

LICENCE AREA PLAN

Southern NSW Analog Television

October 2003

Made under the
Broadcasting Services Act 1992

This compilation was prepared by the Australian Communications and Media Authority on 29 July 2013 taking into account amendments up to *Licence Area Plans – Omnibus Variation 2010*.

LICENCE AREA PLAN - Southern NSW Analog Television – October 2003

DETERMINATION

The Australian Broadcasting Authority hereby makes this plan for television broadcasting services in Southern NSW under subsection 26(1) of the *Broadcasting Services Act 1992*.

One national television broadcasting service is to be available in the area described at Attachment A to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment A are set out Schedule One and Attachments 1.1 to 1.46 to this Determination

One national television broadcasting service is to be available in the area described at Attachment A to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment A are set out in the Schedule One and Attachments 2.1 to 2.46 to this Determination.

One commercial television broadcasting service is to be available in the area described at Attachment A to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment A are set out in Schedule One and Attachments 3.1 to 3.46 to this Determination

One commercial television broadcasting service is to be available in the area described at Attachment A to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment A are set out in Schedule One and Attachments 4.1 to 4.46 to this Determination.

One commercial television broadcasting service is to be available in the area described at Attachment A to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment A are set out in Schedule One and Attachments 5.1 to 5.46 to this Determination.

One open narrowcasting television service is to be available in the area described at Attachment A to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment A are set out in Schedule One and Attachment 6.26 to this Determination.

(Determined by the Australian Broadcasting Authority on 23 October 2003)

SCHEDULE

The Schedule sets out:

- the category of each of the services that are to be available in that area (column one);
- the assignee of the service (column two) does not form part of the licence area plan decision and is included for reference only, and is accurate as at date of publication.
- the status of the service (column three) does not form part of the licence area plan decision and is included for reference only;
- the channel for each transmitter (column four) does not form part of the licence area plan decision and is included for reference only;
- the service licence number which has been allocated to the service, if appropriate (column five); N/A = Not Applicable, as the Broadcasting Services Act 1992 only requires service licences for Commercial and Community services;
- the transmitter specification number which has been allocated to each transmitter (column six);
- the identifying number of the attachment where the technical specifications for each transmitter are described (column seven); and
- the general area served by each transmitter (column eight).

STATUS COLUMN

Licensed: service is already licensed

Available: new licence available for allocation

Proposed: transmitter for existing broadcasting service licence

Alternative: alternative channel proposed for licensed service

Reserved: capacity reserved for a national or community service in accordance with Ministerial notification.

ATTACHMENT NUMBERS

Not all licensees serve all areas covered by this licence area plan. Therefore, for administrative convenience, attachment numbers do not always run in sequence at Schedule One so that attachment numbers for a particular area will have the same number after the decimal point for each licensee.

For example, as the SBS, CBN, CTC and WIN all operate services at “Bega” this licence area plan has attachments 2.6, 3.6, 4.6 and 5.6. As ABC does not operate a service at “Bega” there is no attachment 1.6.

SCHEDULE ONE

LICENCE AREA PLAN : Southern NSW Analog Television

Licence Area : Southern NSW TV1

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
National	ABC	Licensed Reserved	56	N/A	TS5076004	1.2	Araluen
National	ABC	Licensed Reserved	9	N/A	TS5076001	1.3	Batemans Bay/ Moruya
National	ABC	Licensed Reserved	6	N/A	TS3002	1.4	Bathurst
National	ABC	Licensed Reserved	8	N/A	TS12001	1.5	Bega/Cooma
National	ABC	Licensed Reserved	33	N/A	TS15006	1.8	Bowral/Mittagong
National	ABC	Licensed Reserved	57	N/A	TS2141001	1.9	Braidwood
National	ABC	Licensed Reserved	9	N/A	TS1601	1.10	Canberra
National	ABC	Licensed Reserved	1	N/A	TS3001	1.12	Central Tablelands
National	ABC	Licensed Reserved	11	N/A	TS10001	1.13	Central Western Slopes
National	ABC	Licensed Reserved	65	N/A	TS3674001	1.15	Condobolin
National	ABC	Licensed Reserved	56	N/A	TS10003	1.16	Coolah
National	ABC	Licensed Reserved	56	N/A	TS12802	1.17	Cooma Town
National	ABC	Licensed Reserved	0	N/A	TS12002	1.17.1	Cooma Town
National	ABC	Licensed Reserved	48	N/A	TS10008305	1.19	Cowra
National	ABC	Alternative Reserved	63	N/A	TS10011996	1.19.1	Cowra
National	ABC	Licensed Reserved	57	N/A	TS923001	1.20	Dubbo
National	ABC	Licensed Reserved	40	N/A	TS10007134	1.21	East Grove
National	ABC	Licensed Reserved	1	N/A	TS12003	1.22	Eden
National	ABC	Licensed Reserved	56	N/A	TS10003093	1.23	Fraser
National	ABC	Alternative Reserved	51	N/A	TS10012012	1.23.1	Fraser
National	ABC	Licensed Reserved	55	N/A	TS6530001	1.24	Goulburn

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
National	ABC	Licensed Reserved	56	N/A	TS15001	1.25	Illawarra
National	ABC	Licensed Reserved	60	N/A	TS12004	1.26	Jindabyne
National	ABC	Licensed Reserved	60	N/A	TS10007036	1.27	Kandos
National	ABC	Licensed Reserved	55	N/A	TS2103002	1.28	Lithgow East
National	ABC	Licensed Reserved	32	N/A	TS2103001	1.29	Lithgow
National	ABC	Licensed Reserved	55	N/A	TS913001	1.30	Mudgee
National	ABC	Licensed Reserved	0	N/A	TS5076002	1.31	Narooma
National	ABC	Licensed Reserved	32	N/A	TS15008	1.32	Nowra North
National	ABC	Licensed Reserved	3	N/A	TS265001	1.33	Nyngan
National	ABC	Licensed Reserved	57	N/A	TS10008603	1.34	Oberon
National	ABC	Licensed Reserved	57	N/A	TS2185001	1.35	Portland/ Wallerawang
National	ABC	Licensed Reserved	33	N/A	TS15007	1.36	Stanwell Park
National	ABC	Licensed Reserved	0	N/A	TS9001	1.37	SW Slopes/ E Riverina
National	ABC	Licensed Reserved	34	N/A	TS12005	1.38	Thredbo
National	ABC	Licensed Reserved	60	N/A	TS1604	1.39	Tuggeranong
National	ABC	Licensed Reserved	57	N/A	TS9005	1.40	Tumut
National	ABC	Licensed Reserved	33	N/A	TS15005	1.42	Ulladulla
National	ABC	Licensed Reserved	56	N/A	TS2136001	1.43	Wagga Wagga
National	ABC	Licensed Reserved	55	N/A	TS1602	1.44	Weston Creek/ Woden
National	ABC	Licensed Reserved	30	N/A	TS10010050	1.45	Wollongong
National	ABC	Licensed Reserved	11	N/A	TS9003	1.46	Young
National	SBS	Licensed Reserved	55	N/A	TS744001	2.3	Batemans Bay/ Moruya
National	SBS	Licensed Reserved	46	N/A	TS7522001	2.4	Bathurst

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
National	SBS	Licensed Reserved	43	N/A	TS1277001	2.6	Bega
National	SBS	Licensed Reserved	30	N/A	TS2233004	2.8	Bowral/Mittagong
National	SBS	Licensed Reserved	54	N/A	TS5326001	2.9	Braidwood
National	SBS	Alternative Reserved	69	N/A	TS5331001	2.9.1	Braidwood
National	SBS	Licensed Reserved	28	N/A	TS135001	2.10	Canberra
National	SBS	Licensed Reserved	30	N/A	TS10008315	2.12	Central Tablelands
National	SBS	Licensed Reserved	29	N/A	TS1383001	2.13	Central Western Slopes
National	SBS	Licensed Reserved	53	N/A	TS929001	2.16	Coolah
National	SBS	Licensed Reserved	53	N/A	TS219001	2.17	Cooma Town
National	SBS	Alternative Reserved	68	N/A	TS2162001	2.17.1	Cooma Town
National	SBS	Available Reserved	36	N/A	TS10011690	2.18	Cooma/Monaro
National	SBS	Licensed Reserved	45	N/A	TS10008304	2.19	Cowra
National	SBS	Alternative Reserved	60	N/A	TS10011995	2.19.1	Cowra
National	SBS	Licensed Reserved	54	N/A	TS10009950	2.20	Dubbo
National	SBS	Licensed Reserved	43	N/A	TS10007167	2.21	East Grove
National	SBS	Licensed Reserved	69	N/A	TS762001	2.22	Eden
National	SBS	Licensed Reserved	53	N/A	TS10003094	2.23	Fraser
National	SBS	Alternative Reserved	48	N/A	TS10012011	2.23.1	Fraser
National	SBS	Licensed Reserved	58	N/A	TS232601	2.24	Goulburn
National	SBS	Licensed Reserved	53	N/A	TS2233001	2.25	Illawarra
National	SBS	Licensed Reserved	69	N/A	TS10012362	2.26	Jindabyne
National	SBS	Licensed Reserved	52	N/A	TS10008268	2.28	Lithgow East
National	SBS	Licensed Reserved	29	N/A	TS10008264	2.29	Lithgow

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
National	SBS	Available Reserved	58	N/A	TS10012844	2.30	Mudgee
National	SBS	Licensed Reserved	47	N/A	TS754001	2.31	Narooma
National	SBS	Licensed Reserved	29	N/A	TS2233006	2.32	Nowra North
National	SBS	Alternative Reserved	47	N/A	TS10011156	2.32.1	Nowra North
National	SBS	Licensed Reserved	54	N/A	TS10008267	2.35	Portland/ Wallerawang
National	SBS	Licensed Reserved	48	N/A	TS10010051	2.36	Stanwell Park
National	SBS	Licensed Reserved	29	N/A	TS1254001	2.37	SW Slopes/ E Riverina
National	SBS	Licensed Reserved	54	N/A	TS135004	2.39	Tuggeranong
National	SBS	Available Reserved	54	N/A	TS10012847	2.40	Tumut
National	SBS	Licensed Reserved	30	N/A	TS2233003	2.42	Ulladulla
National	SBS	Licensed Reserved	53	N/A	TS3710003	2.43	Wagga Wagga
National	SBS	Licensed Reserved	58	N/A	TS135602	2.44	Weston Creek/ Woden
National	SBS	Licensed Reserved	32	N/A	TS2233002	2.45	Wollongong
National	SBS	Available Reserved	58	N/A	TS10012848	2.46	Young
Commercial	CBN	Licensed	64	SL90	TS90025	3.3	Batemans Bay/ Moruya
Commercial	CBN	Licensed	11	SL90	TS90002	3.4	Bathurst
Commercial	CBN	Alternative	11	SL90	TS10013036	3.4.1	Bathurst
Commercial	CBN	Licensed	40	SL90	TS90026	3.6	Bega
Commercial	CBN	Licensed	64	SL90	TS90010	3.7	Bombala
Commercial	CBN	Licensed	45	SL90	TS90027	3.8	Bowral/Mittagong
Commercial	CBN	Licensed	66	SL90	TS90017	3.9	Braidwood
Commercial	CBN	Licensed	34	SL90	TS90009	3.10	Canberra
Commercial	CBN	Licensed	8	SL90	TS90001	3.12	Central Tablelands
Commercial	CBN	Licensed	6	SL90	TS90018	3.13	Central Western Slopes
Commercial	CBN	Licensed	10	SL90	TS90020	3.14	Cobar
Commercial	CBN	Licensed	68	SL90	TS90003	3.15	Condobolin
Commercial	CBN	Licensed	59	SL90	TS90023	3.16	Coolah
Commercial	CBN	Licensed	65	SL90	TS90016	3.17	Cooma Town

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
Commercial	CBN	Licensed	42	SL90	TS90011	3.18	Cooma/Monaro
Commercial	CBN	Licensed	51	SL90	TS90042	3.19	Cowra
Commercial	CBN	Alternative	66	SL90	TS10011997	3.19.1	Cowra
Commercial	CBN	Licensed	60	SL90	TS90022	3.20	Dubbo
Commercial	CBN	Licensed	66	SL90	TS90028	3.22	Eden
Commercial	CBN	Licensed	64	SL90	TS90012	3.24	Goulburn
Commercial	CBN	Licensed	65	SL90	TS90024	3.25	Illawarra
Commercial	CBN	Licensed	63	SL90	TS90013	3.26	Jindabyne
Commercial	CBN	Licensed	10	SL90	TS90004	3.27	Kandos
Commercial	CBN	Licensed	58	SL90	TS90007	3.28	Lithgow East
Commercial	CBN	Licensed	6	SL90	TS90006	3.29	Lithgow
Commercial	CBN	Licensed	9	SL90	TS90019	3.30	Mudgee
Commercial	CBN	Licensed	44	SL90	TS90029	3.31	Narooma
Commercial	CBN	Licensed	44	SL90	TS90033	3.32	Nowra North
Commercial	CBN	Licensed	66	SL90	TS1501001	3.33	Nyngan
Commercial	CBN	Licensed	60	SL90	TS90005	3.35	Portland/ Wallerawang
Commercial	CBN	Licensed	45	SL90	TS90030	3.36	Stanwell Park
Commercial	CBN	Licensed	2	SL90	TS90035	3.37	SW Slopes/ E Riverina
Commercial	CBN	Licensed	46	SL90	TS90014	3.38	Thredbo
Commercial	CBN	Licensed	69	SL90	TS90015	3.39	Tuggeranong
Commercial	CBN	Licensed	60	SL90	TS90039	3.40	Tumut
Commercial	CBN	Licensed	69	SL90	TS90038	3.41	Tumbarumba
Commercial	CBN	Licensed	48	SL90	TS90031	3.42	Ulladulla
Commercial	CBN	Licensed	59	SL90	TS90037	3.43	Wagga Wagga
Commercial	CBN	Licensed	64	SL90	TS90034	3.44	Weston Creek/ Woden
Commercial	CBN	Licensed	47	SL90	TS90032	3.45	Wollongong
Commercial	CBN	Licensed	6	SL90	TS90036	3.46	Young
Commercial	CTC	Licensed	64	SL85	TS85044	4.1	Adelong
Commercial	CTC	Licensed	61	SL85	TS85029	4.3	Batemans Bay/ Moruya
Commercial	CTC	Licensed	49	SL85	TS85013	4.4	Bathurst
Commercial	CTC	Licensed	34	SL85	TS85028	4.6	Bega
Commercial	CTC	Licensed	2	SL85	TS85002	4.7	Bombala
Commercial	CTC	Licensed	42	SL85	TS85031	4.8	Bowral/Mittagong
Commercial	CTC	Licensed	60	SL85	TS85009	4.9	Braidwood
Commercial	CTC	Licensed	7	SL85	TS85001	4.10	Canberra
Commercial	CTC	Licensed	58	SL85	TS85010	4.11	Captains Flat
Commercial	CTC	Licensed	33	SL85	TS85012	4.12	Central Tablelands

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
Commercial	CTC	Licensed	35	SL85	TS85019	4.13	Central Western Slopes
Commercial	CTC	Licensed	59	SL85	TS85014	4.15	Condobolin
Commercial	CTC	Licensed	65	SL85	TS85038	4.16	Coolah
Commercial	CTC	Licensed	59	SL85	TS85011	4.17	Cooma Town
Commercial	CTC	Licensed	10	SL85	TS85003	4.18	Cooma/Monaro
Commercial	CTC	Licensed	54	SL85	TS85042	4.19	Cowra
Commercial	CTC	Licensed	66	SL85	TS85023	4.20	Dubbo
Commercial	CTC	Licensed	63	SL85	TS85026	4.22	Eden
Commercial	CTC	Alternative	49	SL85	TS10011630	4.22.1	Eden
Commercial	CTC	Licensed	10	SL85	TS85004	4.24	Goulburn
Commercial	CTC	Licensed	62	SL85	TS85024	4.25	Illawarra
Commercial	CTC	Licensed	66	SL85	TS85006	4.26	Jindabyne
Commercial	CTC	Licensed	63	SL85	TS85015	4.27	Kandos
Commercial	CTC	Licensed	61	SL85	TS85018	4.28	Lithgow East
Commercial	CTC	Licensed	41	SL85	TS85017	4.29	Lithgow
Commercial	CTC	Licensed	64	SL85	TS85020	4.30	Mudgee
Commercial	CTC	Licensed	41	SL85	TS85027	4.31	Narooma
Commercial	CTC	Licensed	41	SL85	TS85037	4.32	Nowra North
Commercial	CTC	Licensed	63	SL85	TS85016	4.35	Portland/ Wallerawang
Commercial	CTC	Licensed	42	SL85	TS85030	4.36	Stanwell Park
Commercial	CTC	Licensed	35	SL85	TS85033	4.37	SW Slopes/ E Riverina
Commercial	CTC	Licensed	40	SL85	TS85007	4.38	Thredbo
Commercial	CTC	Licensed	63	SL85	TS85008	4.39	Tuggeranong
Commercial	CTC	Licensed	66	SL85	TS85039	4.40	Tumut
Commercial	CTC	Licensed	45	SL85	TS85032	4.42	Ulladulla
Commercial	CTC	Licensed	65	SL85	TS85635	4.43	Wagga Wagga
Commercial	CTC	Licensed Reserved	67	SL85	TS10005578	4.44	Weston Creek/ Woden
Commercial	CTC	Licensed	44	SL85	TS85025	4.45	Wollongong
Commercial	CTC	Licensed	64	SL85	TS85034	4.46	Young
Commercial	WIN	Licensed	61	SL99	TS99045	5.1	Adelong
Commercial	WIN	Licensed	11	SL99	TS99006	5.3	Batemans Bay/ Moruya
Commercial	WIN	Alternative	11	SL99	TS10011646	5.3.1	Batemans Bay/ Moruya
Commercial	WIN	Licensed	52	SL99	TS99020	5.4	Bathurst
Commercial	WIN	Licensed	6	SL99	TS99005	5.6	Bega
Commercial	WIN	Licensed	61	SL99	TS99012	5.7	Bombala

Service Category	Assignee	Status	Channel	Service Licence No	Transmitter Specification No	Attach No	Area Served
Commercial	WIN	Licensed	39	SL99	TS99009	5.8	Bowral/Mittagong
Commercial	WIN	Licensed	63	SL99	TS99035	5.9	Braidwood
Commercial	WIN	Licensed	31	SL99	TS99011	5.10	Canberra
Commercial	WIN	Licensed	39	SL99	TS99019	5.12	Central Tablelands
Commercial	WIN	Licensed	32	SL99	TS99026	5.13	Central Western Slopes
Commercial	WIN	Licensed	62	SL99	TS99021	5.15	Condobolin
Commercial	WIN	Licensed	62	SL99	TS99037	5.16	Coolah
Commercial	WIN	Licensed	62	SL99	TS99018	5.17	Cooma Town
Commercial	WIN	Licensed	39	SL99	TS99013	5.18	Cooma/Monaro
Commercial	WIN	Licensed	57	SL99	TS99043	5.19	Cowra
Commercial	WIN	Licensed	63	SL99	TS99030	5.20	Dubbo
Commercial	WIN	Licensed	60	SL99	TS10009588	5.22	Eden
Commercial	WIN	Licensed	61	SL99	TS99014	5.24	Goulburn
Commercial	WIN	Licensed	59	SL99	TS99001	5.25	Illawarra
Commercial	WIN	Licensed	57	SL99	TS99015	5.26	Jindabyne
Commercial	WIN	Licensed	66	SL99	TS99022	5.27	Kandos
Commercial	WIN	Licensed	64	SL99	TS99025	5.28	Lithgow East
Commercial	WIN	Licensed	44	SL99	TS99024	5.29	Lithgow
Commercial	WIN	Licensed	61	SL99	TS99027	5.30	Mudgee
Commercial	WIN	Licensed	3	SL99	TS99004	5.31	Narooma
Commercial	WIN	Licensed	35	SL99	TS99036	5.32	Nowra North
Commercial	WIN	Alternative	60	SL99	TS10011158	5.32.1	Nowra North
Commercial	WIN	Licensed	60	SL99	TS99029	5.33	Nyngan
Commercial	WIN	Licensed	66	SL99	TS99023	5.35	Portland/ Wallerawang
Commercial	WIN	Licensed	39	SL99	TS99007	5.36	Stanwell Park
Commercial	WIN	Licensed	32	SL99	TS99031	5.37	SW Slopes/ E Riverina
Commercial	WIN	Licensed	43	SL99	TS99016	5.38	Thredbo
Commercial	WIN	Licensed	66	SL99	TS99017	5.39	Tuggeranong
Commercial	WIN	Licensed	63	SL99	TS99039	5.40	Tumut
Commercial	WIN	Licensed	42	SL99	TS99010	5.42	Ulladulla
Commercial	WIN	Licensed	62	SL99	TS99033	5.43	Wagga Wagga
Commercial	WIN	Licensed	61	SL99	TS99038	5.44	Weston Creek/ Woden
Commercial	WIN	Licensed	3	SL99	TS99002	5.45	Wollongong
Commercial	WIN	Licensed	41	SL99	TS99602	5.45.1	Wollongong
Commercial	WIN	Licensed	61	SL99	TS99032	5.46	Young
Open Narrowcasting		Proposed	48	N/A	TS10011199	6.26	Jindabyne

Attachment A

LICENCE AREA – SOUTHERN NSW TV1

LICENCE AREA FOR SERVICE LICENCE NOS: SL85, SL90 and SL99

COMMERCIAL TELEVISION

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 5 August 2001, is:

Area Description	Area Description	Area Description
Ainslie	Forrest	Narromine (A)
Aranda	Fraser	Ngunnawal
Australian Capital Territory - Bal	Fyshwick	Oaks Estate
Banks	Garran	O'Connor
Bathurst (C)	Gilgandra (A)	O'Malley
Bega Valley (A)	Gilmore	Orange (C)
Blayney (A)	Giralang	Oxley
Bombala (A)	Gordon	Page
Bonython	Goulburn (C)	Palmerston
Boorowa (A)	Gowrie	Parkes (A)
Braddon	Griffith	Pearce
Bruce	Gundagai (A)	Phillip
Cabonne (A)	Gunning (A)	Pialligo
Calwell	Hackett	Queanbeyan (C)
Campbell	Hall	Red Hill
Chapman	Harden (A)	Reid
Charnwood	Harman	Richardson
Chifley	Hawker	Rivett
Chisholm	Higgins	Russell
City	Holder	Scullin
Conder	Holt	Shoalhaven (C)
Cook	Hughes	Snowy River (A)
Coolah (A)	Hume	Spence
Coolamon (A)	Isaacs	Stirling
Cooma-Monaro (A)	Isabella Plains	Stromlo
Coonabarabran (A)	Jerrabomberra	Symonston
Coonamble (A)	Jervis Bay Territory	Temora (A)
Cootamundra (A)	Junea (A)	Theodore
Cowra (A)	Kaleen	Torrens
Curtin	Kambah	Tuggeranong - SSD Bal
Deakin	Kiama (A)	Tumut (A)
Dickson	Kingston	Turner
Downer	Kowen	Wagga Wagga (C) - Pt B
Dubbo (C)	Latham	Wanniassa
Duffy	Lockhart (A)	Waramanga
Dunlop	Lyneham	Watson
Duntroon	Lyons	Weddin (A)
Eurobodalla (A)	Macarthur	Weetangera
Evans (A)	Macgregor	Wellington (A)
Evatt	Macquarie	Weston
Fadden	Majura	Weston Creek-Stromlo - SSD
Farrer	Mawson	Bal
Fisher	Melba	Yarrowlumla (A)
Florey	Mitchell	Yass (A)
Flynn	Monash	Young (A)
Forbes (A)	Narrabundah	ACT CD 8010102

Area Description	Area Description	Area Description
ACT CD 8010103	NSW CD 1030303	NSW CD 1032808
ACT CD 8010110	NSW CD 1030304	NSW CD 1032809
ACT CD 8010502	NSW CD 1030305	NSW CD 1130208
ACT CD 8010510	NSW CD 1030306	NSW CD 1142001
ACT CD 8010512	NSW CD 1030401	NSW CD 1142002
ACT CD 8010513	NSW CD 1030402	NSW CD 1142003
ACT CD 8010514	NSW CD 1030403	NSW CD 1142004
ACT CD 8010524	NSW CD 1030404	NSW CD 1142005
ACT CD 8010525	NSW CD 1030405	NSW CD 1142006
ACT CD 8010528	NSW CD 1030406	NSW CD 1142007
ACT CD 8010529	NSW CD 1031401	NSW CD 1142010
ACT CD 8010530	NSW CD 1031403	NSW CD 1142011
ACT CD 8010701	NSW CD 1031404	NSW CD 1142101
ACT CD 8010702	NSW CD 1031405	NSW CD 1142102
ACT CD 8010703	NSW CD 1031501	NSW CD 1142103
ACT CD 8010704	NSW CD 1031502	NSW CD 1142104
ACT CD 8012302	NSW CD 1031503	NSW CD 1142105
ACT CD 8012303	NSW CD 1031504	NSW CD 1142108
ACT CD 8012304	NSW CD 1031505	NSW CD 1142109
ACT CD 8012305	NSW CD 1031506	NSW CD 1142201
ACT CD 8012306	NSW CD 1031507	NSW CD 1142202
ACT CD 8012307	NSW CD 1032401	NSW CD 1142204
ACT CD 8014001	NSW CD 1032402	NSW CD 1142205
ACT CD 8014101	NSW CD 1032403	NSW CD 1142207
ACT CD 8014102	NSW CD 1032404	NSW CD 1142208
ACT CD 8014103	NSW CD 1032405	NSW CD 1142209
ACT CD 8014104	NSW CD 1032406	NSW CD 1142210
ACT CD 8014105	NSW CD 1032407	NSW CD 1142211
ACT CD 8014201	NSW CD 1032408	NSW CD 1142212
ACT CD 8024201	NSW CD 1032409	NSW CD 1142301
ACT CD 8024202	NSW CD 1032501	NSW CD 1142302
NSW CD 1012001	NSW CD 1032502	NSW CD 1142303
NSW CD 1012002	NSW CD 1032503	NSW CD 1142304
NSW CD 1012003	NSW CD 1032504	NSW CD 1142305
NSW CD 1012004	NSW CD 1032505	NSW CD 1142306
NSW CD 1012005	NSW CD 1032506	NSW CD 1142307
NSW CD 1012006	NSW CD 1032507	NSW CD 1142308
NSW CD 1012007	NSW CD 1032508	NSW CD 1142309
NSW CD 1012008	NSW CD 1032509	NSW CD 1142310
NSW CD 1012009	NSW CD 1032510	NSW CD 1142311
NSW CD 1012101	NSW CD 1032511	NSW CD 1142312
NSW CD 1012102	NSW CD 1032512	NSW CD 1142313
NSW CD 1012104	NSW CD 1032513	NSW CD 1142401
NSW CD 1012105	NSW CD 1032514	NSW CD 1142402
NSW CD 1012106	NSW CD 1032515	NSW CD 1142403
NSW CD 1021201	NSW CD 1032516	NSW CD 1142404
NSW CD 1021203	NSW CD 1032601	NSW CD 1142405
NSW CD 1021204	NSW CD 1032604	NSW CD 1142406
NSW CD 1021205	NSW CD 1032605	NSW CD 1142407
NSW CD 1021206	NSW CD 1032608	NSW CD 1142408
NSW CD 1021207	NSW CD 1032609	NSW CD 1142409
NSW CD 1021208	NSW CD 1032801	NSW CD 1142410
NSW CD 1021209	NSW CD 1032802	NSW CD 1142411
NSW CD 1030102	NSW CD 1032803	NSW CD 1142504
NSW CD 1030103	NSW CD 1032804	NSW CD 1142507
NSW CD 1030109	NSW CD 1032805	NSW CD 1142508
NSW CD 1030110	NSW CD 1032806	NSW CD 1142509
NSW CD 1030205	NSW CD 1032807	NSW CD 1142510

Area Description	Area Description	Area Description
NSW CD 1142511	NSW CD 1161604	NSW CD 1162105
NSW CD 1142512	NSW CD 1161605	NSW CD 1162106
NSW CD 1142513	NSW CD 1161606	NSW CD 1162107
NSW CD 1150104	NSW CD 1161607	NSW CD 1162108
NSW CD 1150106	NSW CD 1161608	NSW CD 1162109
NSW CD 1150107	NSW CD 1161609	NSW CD 1162111
NSW CD 1150201	NSW CD 1161610	NSW CD 1162112
NSW CD 1150202	NSW CD 1161611	NSW CD 1162113
NSW CD 1150203	NSW CD 1161701	NSW CD 1162114
NSW CD 1150204	NSW CD 1161702	NSW CD 1162115
NSW CD 1150205	NSW CD 1161703	NSW CD 1162204
NSW CD 1150206	NSW CD 1161704	NSW CD 1162205
NSW CD 1150301	NSW CD 1161705	NSW CD 1162212
NSW CD 1150302	NSW CD 1161706	NSW CD 1162213
NSW CD 1150303	NSW CD 1161707	NSW CD 1162215
NSW CD 1150304	NSW CD 1161708	NSW CD 1170701
NSW CD 1150305	NSW CD 1161709	NSW CD 1170702
NSW CD 1150306	NSW CD 1161710	NSW CD 1170703
NSW CD 1150307	NSW CD 1161711	NSW CD 1170704
NSW CD 1150308	NSW CD 1161801	NSW CD 1170708
NSW CD 1150309	NSW CD 1161802	NSW CD 1170709
NSW CD 1150310	NSW CD 1161803	NSW CD 1190101
NSW CD 1151901	NSW CD 1161804	NSW CD 1190102
NSW CD 1151902	NSW CD 1161805	NSW CD 1190103
NSW CD 1151903	NSW CD 1161806	NSW CD 1190104
NSW CD 1151904	NSW CD 1161807	NSW CD 1190105
NSW CD 1151906	NSW CD 1161808	NSW CD 1190106
NSW CD 1151907	NSW CD 1161809	NSW CD 1190107
NSW CD 1151908	NSW CD 1161810	NSW CD 1190108
NSW CD 1152801	NSW CD 1161811	NSW CD 1190109
NSW CD 1152802	NSW CD 1161812	NSW CD 1190110
NSW CD 1152901	NSW CD 1161901	NSW CD 1190111
NSW CD 1152902	NSW CD 1161902	NSW CD 1190112
NSW CD 1152903	NSW CD 1161903	NSW CD 1190113
NSW CD 1160102	NSW CD 1161904	NSW CD 1190201
NSW CD 1160108	NSW CD 1161905	NSW CD 1190202
NSW CD 1161405	NSW CD 1161906	NSW CD 1190203
NSW CD 1161408	NSW CD 1161907	NSW CD 1190204
NSW CD 1161409	NSW CD 1161908	NSW CD 1190205
NSW CD 1161410	NSW CD 1161909	NSW CD 1190206
NSW CD 1161411	NSW CD 1161910	NSW CD 1190207
NSW CD 1161412	NSW CD 1161911	NSW CD 1190208
NSW CD 1161413	NSW CD 1161912	NSW CD 1190209
NSW CD 1161501	NSW CD 1161913	NSW CD 1190210
NSW CD 1161502	NSW CD 1162001	NSW CD 1190211
NSW CD 1161503	NSW CD 1162002	NSW CD 1190301
NSW CD 1161504	NSW CD 1162003	NSW CD 1190302
NSW CD 1161505	NSW CD 1162004	NSW CD 1190303
NSW CD 1161506	NSW CD 1162005	NSW CD 1190304
NSW CD 1161507	NSW CD 1162006	NSW CD 1190305
NSW CD 1161508	NSW CD 1162007	NSW CD 1190306
NSW CD 1161509	NSW CD 1162008	NSW CD 1190307
NSW CD 1161510	NSW CD 1162009	NSW CD 1190308
NSW CD 1161511	NSW CD 1162010	NSW CD 1190309
NSW CD 1161512	NSW CD 1162101	NSW CD 1190310
NSW CD 1161601	NSW CD 1162102	NSW CD 1190311
NSW CD 1161602	NSW CD 1162103	NSW CD 1190312
NSW CD 1161603	NSW CD 1162104	NSW CD 1190401

Area Description	Area Description	Area Description
NSW CD 1190402	NSW CD 1190808	NSW CD 1191303
NSW CD 1190403	NSW CD 1190809	NSW CD 1191304
NSW CD 1190404	NSW CD 1190810	NSW CD 1191305
NSW CD 1190405	NSW CD 1190811	NSW CD 1191306
NSW CD 1190406	NSW CD 1190812	NSW CD 1191307
NSW CD 1190407	NSW CD 1190901	NSW CD 1191308
NSW CD 1190408	NSW CD 1190902	NSW CD 1191309
NSW CD 1190409	NSW CD 1190903	NSW CD 1191310
NSW CD 1190410	NSW CD 1190904	NSW CD 1191311
NSW CD 1190411	NSW CD 1190905	NSW CD 1191312
NSW CD 1190412	NSW CD 1190906	NSW CD 1191313
NSW CD 1190501	NSW CD 1190907	NSW CD 1191401
NSW CD 1190502	NSW CD 1190908	NSW CD 1191402
NSW CD 1190503	NSW CD 1190909	NSW CD 1191403
NSW CD 1190504	NSW CD 1190910	NSW CD 1191404
NSW CD 1190505	NSW CD 1190911	NSW CD 1191405
NSW CD 1190506	NSW CD 1190912	NSW CD 1191406
NSW CD 1190507	NSW CD 1191001	NSW CD 1191407
NSW CD 1190508	NSW CD 1191002	NSW CD 1191408
NSW CD 1190509	NSW CD 1191003	NSW CD 1191409
NSW CD 1190510	NSW CD 1191004	NSW CD 1191410
NSW CD 1190511	NSW CD 1191005	NSW CD 1191501
NSW CD 1190512	NSW CD 1191006	NSW CD 1191502
NSW CD 1190513	NSW CD 1191007	NSW CD 1191503
NSW CD 1190514	NSW CD 1191008	NSW CD 1191504
NSW CD 1190601	NSW CD 1191009	NSW CD 1191505
NSW CD 1190602	NSW CD 1191010	NSW CD 1191506
NSW CD 1190603	NSW CD 1191011	NSW CD 1191507
NSW CD 1190604	NSW CD 1191012	NSW CD 1191508
NSW CD 1190605	NSW CD 1191101	NSW CD 1191509
NSW CD 1190606	NSW CD 1191102	NSW CD 1191510
NSW CD 1190607	NSW CD 1191103	NSW CD 1191601
NSW CD 1190608	NSW CD 1191104	NSW CD 1191602
NSW CD 1190609	NSW CD 1191105	NSW CD 1191603
NSW CD 1190610	NSW CD 1191106	NSW CD 1191604
NSW CD 1190611	NSW CD 1191107	NSW CD 1191605
NSW CD 1190612	NSW CD 1191108	NSW CD 1191606
NSW CD 1190701	NSW CD 1191109	NSW CD 1191607
NSW CD 1190702	NSW CD 1191110	NSW CD 1191608
NSW CD 1190703	NSW CD 1191111	NSW CD 1191609
NSW CD 1190704	NSW CD 1191112	NSW CD 1191610
NSW CD 1190705	NSW CD 1191113	NSW CD 1191611
NSW CD 1190706	NSW CD 1191114	NSW CD 1191612
NSW CD 1190707	NSW CD 1191201	NSW CD 1191613
NSW CD 1190708	NSW CD 1191202	NSW CD 1191614
NSW CD 1190709	NSW CD 1191203	NSW CD 1191701
NSW CD 1190710	NSW CD 1191204	NSW CD 1191702
NSW CD 1190711	NSW CD 1191205	NSW CD 1191703
NSW CD 1190712	NSW CD 1191206	NSW CD 1191704
NSW CD 1190713	NSW CD 1191207	NSW CD 1191705
NSW CD 1190714	NSW CD 1191208	NSW CD 1191706
NSW CD 1190801	NSW CD 1191209	NSW CD 1191707
NSW CD 1190802	NSW CD 1191210	NSW CD 1191708
NSW CD 1190803	NSW CD 1191211	NSW CD 1191709
NSW CD 1190804	NSW CD 1191213	NSW CD 1191710
NSW CD 1190805	NSW CD 1191214	NSW CD 1191711
NSW CD 1190806	NSW CD 1191301	NSW CD 1191712
NSW CD 1190807	NSW CD 1191302	NSW CD 1191713

Area Description	Area Description	Area Description
NSW CD 1191714	NSW CD 1192210	NSW CD 1192706
NSW CD 1191801	NSW CD 1192211	NSW CD 1192707
NSW CD 1191802	NSW CD 1192212	NSW CD 1192708
NSW CD 1191803	NSW CD 1192301	NSW CD 1192709
NSW CD 1191804	NSW CD 1192302	NSW CD 1192710
NSW CD 1191805	NSW CD 1192303	NSW CD 1192711
NSW CD 1191806	NSW CD 1192304	NSW CD 1192712
NSW CD 1191807	NSW CD 1192305	NSW CD 1192801
NSW CD 1191808	NSW CD 1192306	NSW CD 1192802
NSW CD 1191809	NSW CD 1192307	NSW CD 1192803
NSW CD 1191810	NSW CD 1192308	NSW CD 1192804
NSW CD 1191811	NSW CD 1192309	NSW CD 1192805
NSW CD 1191901	NSW CD 1192310	NSW CD 1192806
NSW CD 1191902	NSW CD 1192311	NSW CD 1192807
NSW CD 1191903	NSW CD 1192312	NSW CD 1192808
NSW CD 1191904	NSW CD 1192313	NSW CD 1192809
NSW CD 1191905	NSW CD 1192401	NSW CD 1192810
NSW CD 1191906	NSW CD 1192402	NSW CD 1192811
NSW CD 1191907	NSW CD 1192403	NSW CD 1192812
NSW CD 1191908	NSW CD 1192404	NSW CD 1192813
NSW CD 1191909	NSW CD 1192405	NSW CD 1192901
NSW CD 1191910	NSW CD 1192406	NSW CD 1192902
NSW CD 1191911	NSW CD 1192407	NSW CD 1192903
NSW CD 1191912	NSW CD 1192408	NSW CD 1192904
NSW CD 1192001	NSW CD 1192409	NSW CD 1192905
NSW CD 1192002	NSW CD 1192410	NSW CD 1192906
NSW CD 1192003	NSW CD 1192411	NSW CD 1192907
NSW CD 1192004	NSW CD 1192412	NSW CD 1192908
NSW CD 1192005	NSW CD 1192413	NSW CD 1192909
NSW CD 1192006	NSW CD 1192414	NSW CD 1192910
NSW CD 1192007	NSW CD 1192501	NSW CD 1192911
NSW CD 1192008	NSW CD 1192502	NSW CD 1192912
NSW CD 1192009	NSW CD 1192503	NSW CD 1193001
NSW CD 1192010	NSW CD 1192504	NSW CD 1193002
NSW CD 1192011	NSW CD 1192505	NSW CD 1193003
NSW CD 1192012	NSW CD 1192506	NSW CD 1193004
NSW CD 1192013	NSW CD 1192507	NSW CD 1193005
NSW CD 1192101	NSW CD 1192508	NSW CD 1193006
NSW CD 1192102	NSW CD 1192509	NSW CD 1193007
NSW CD 1192103	NSW CD 1192510	NSW CD 1193008
NSW CD 1192104	NSW CD 1192511	NSW CD 1193009
NSW CD 1192105	NSW CD 1192601	NSW CD 1193010
NSW CD 1192106	NSW CD 1192602	NSW CD 1193101
NSW CD 1192107	NSW CD 1192603	NSW CD 1193102
NSW CD 1192108	NSW CD 1192604	NSW CD 1193103
NSW CD 1192109	NSW CD 1192605	NSW CD 1193104
NSW CD 1192110	NSW CD 1192606	NSW CD 1193105
NSW CD 1192111	NSW CD 1192607	NSW CD 1193106
NSW CD 1192113	NSW CD 1192608	NSW CD 1193107
NSW CD 1192201	NSW CD 1192609	NSW CD 1193108
NSW CD 1192202	NSW CD 1192611	NSW CD 1193109
NSW CD 1192203	NSW CD 1192612	NSW CD 1193110
NSW CD 1192204	NSW CD 1192613	NSW CD 1193111
NSW CD 1192205	NSW CD 1192701	NSW CD 1193201
NSW CD 1192206	NSW CD 1192702	NSW CD 1193202
NSW CD 1192207	NSW CD 1192703	NSW CD 1193203
NSW CD 1192208	NSW CD 1192704	NSW CD 1193204
NSW CD 1192209	NSW CD 1192705	NSW CD 1193205

Area Description	Area Description	Area Description
NSW CD 1193206	NSW CD 1200705	NSW CD 1200905
NSW CD 1193207	NSW CD 1200706	NSW CD 1200906
NSW CD 1193208	NSW CD 1200707	NSW CD 1200907
NSW CD 1193209	NSW CD 1200708	NSW CD 1200908
NSW CD 1193210	NSW CD 1200709	NSW CD 1200909
NSW CD 1193211	NSW CD 1200710	NSW CD 1201001
NSW CD 1193212	NSW CD 1200711	NSW CD 1201002
NSW CD 1193213	NSW CD 1200712	NSW CD 1201003
NSW CD 1200101	NSW CD 1200713	NSW CD 1201004
NSW CD 1200102	NSW CD 1200714	NSW CD 1201005
NSW CD 1200103	NSW CD 1200715	NSW CD 1201006
NSW CD 1200105	NSW CD 1200801	NSW CD 1201007
NSW CD 1200106	NSW CD 1200802	NSW CD 1201008
NSW CD 1200107	NSW CD 1200803	NSW CD 1201009
NSW CD 1200108	NSW CD 1200804	NSW CD 1201010
NSW CD 1200207	NSW CD 1200805	NSW CD 1201011
NSW CD 1200208	NSW CD 1200806	NSW CD 1201012
NSW CD 1200601	NSW CD 1200807	NSW CD 1201013
NSW CD 1200602	NSW CD 1200808	NSW CD 1201014
NSW CD 1200605	NSW CD 1200809	NSW CD 1201101
NSW CD 1200606	NSW CD 1200810	NSW CD 1201102
NSW CD 1200607	NSW CD 1200811	NSW CD 1201103
NSW CD 1200608	NSW CD 1200812	NSW CD 1201104
NSW CD 1200609	NSW CD 1200813	NSW CD 1201105
NSW CD 1200610	NSW CD 1200814	NSW CD 1201106
NSW CD 1200611	NSW CD 1200815	NSW CD 1201107
NSW CD 1200612	NSW CD 1200816	NSW CD 1201108
NSW CD 1200613	NSW CD 1200817	NSW CD 1201109
NSW CD 1200614	NSW CD 1200901	NSW CD 1201110
NSW CD 1200701	NSW CD 1200902	NSW CD 1201111
NSW CD 1200702	NSW CD 1200903	NSW CD 1201112
NSW CD 1200704	NSW CD 1200904	

Note:

Standard terminology used by the Australian Bureau of Statistics:

- (C) = City
- (CD) = Collection District
- (A) = NSW Local Government Area (excluding Cities)

Attachment 1.2

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Araluen (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS5076004

Transmitter Site :-

Nominal location : Shellharbour Hill 4km SW of ARALUEN
Australian Map Grid : Zone Easting Northing
Reference 55 751048 6049449
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 723.224 MHz (Ch.56)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	25 W
15°T - 170°T	100 W
170°T - 360°T	25 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.3

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Batemans Bay/Moruya (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS5076001

Transmitter Site :-

Nominal location : South Site MT WANDERA
Australian Map Grid : Zone Easting Northing
Reference 56 229280 6034340
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 196.2396 MHz (Ch.9)
Polarisation : Horizontal
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 10°T	200 W
10°T - 25°T	500 W
25°T - 40°T	1 kW
40°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 205°T	2 kW
205°T - 220°T	1 kW
220°T - 235°T	500 W
235°T - 360°T	200 W

Attachment 1.4

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Bathurst (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS3002

Transmitter Site :-

Nominal location : Broadcast Site MOUNT PANORAMA
Australian Map Grid : Zone Easting Northing
Reference 55 736663 6294802
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 175.25 MHz (Ch.6)
Polarisation : Vertical
Maximum antenna height : 38 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	505 W
90°T - 346°T	100 W
346°T - 360°T	505 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 1.5

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Bega/Cooma (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS12001

Transmitter Site :-

Nominal location : NTA Site BROWN MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 713160 5946872
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 189.24 MHz (Ch.8)
Polarisation : Vertical
Maximum antenna height : 143 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 kW

Attachment 1.8

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Bowral/Mittagong (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS15006

Transmitter Site :-

Nominal location : Council/Television Tower 100 Metres North of
Gibraltar Trig Point Mount Gibraltar via
MITTAGONG

Australian Map Grid : Zone Easting Northing
Reference 56 263670 6183150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 562.25 MHz (Ch.33)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 155°T	2 kW
155°T - 275°T	4 kW
275°T - 290°T	2 kW
290°T - 330°T	1 kW
330°T - 360°T	2 kW

Attachment 1.9

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Braidwood (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2141001

Transmitter Site :-

Nominal location : NTA Site MT GILLAMATONG
Australian Map Grid : Zone Easting Northing
Reference 55 751400 6072800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.198 MHz (Ch.57)
Polarisation : Vertical
Maximum antenna height : 28 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	480 W

Attachment 1.10

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Canberra (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS1601

Transmitter Site :-

Nominal location : Telecom Tower BLACK MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 690683 6094201
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 196.2604 MHz (Ch.9)
Polarisation : Vertical
Maximum antenna height : 164 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	160 kW

Attachment 1.12

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Central Tablelands (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS3001

Transmitter Site :-

Nominal location : MT CANOBOLAS
Australian Map Grid : Zone Easting Northing
Reference 55 684500 6308800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 57.258 MHz (Ch.1)
Polarisation : Vertical
Maximum antenna height : 148 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	160 kW

Attachment 1.13

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Central Western Slopes (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10001

Transmitter Site :-

Nominal location : MT CENN CRUAICH
Australian Map Grid : Zone Easting Northing
Reference 55 692298 6530496
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 216.25 MHz (Ch.11)
Polarisation : Vertical
Maximum antenna height : 140 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	200 kW
15°T - 135°T	63 kW
135°T - 180°T	200 kW
180°T - 330°T	400 kW
330°T - 360°T	200 kW

Attachment 1.15

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Condobolin (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS3674001

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill 1km NE of
CONDOBLIN

Australian Map Grid : Zone Easting Northing
Reference 55 514500 6339800

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 786.224 MHz (Ch.65)
Polarisation : Vertical
Maximum antenna height : 39 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	100 W
130°T - 290°T	200 W
290°T - 360°T	100 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.16

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Coolah (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003

Transmitter Site :-

Nominal location : Prime Television Site Queensborough Near COOLAH
Australian Map Grid : Zone Easting Northing
Reference 55 758100 6481000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 723.224 MHz (Ch.56)
Polarisation : Horizontal
Maximum antenna height : 13 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 145°T	120 W
145°T - 215°T	240 W
215°T - 230°T	120 W
230°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.17

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cooma Town (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS12802

Transmitter Site :-

Nominal location : Radio Terminal COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692434 5987661
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 723.198 MHz (Ch.56)
Polarisation : Vertical
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.17.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cooma Town (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS12002

Transmitter Site :-

Nominal location : Nanny Goat Hill COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 690500 5987700
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 46.24 MHz (Ch.0)
Polarisation : Mixed
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 25°T	10 W
25°T - 245°T	40 W
245°T - 360°T	10 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 1.19

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cowra (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008305

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 667.198 MHz (Ch.48)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011996 in the event of unacceptable interference from SW Slopes/E Riverina SBS48 digital television service.

Attachment 1.19.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cowra (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011996

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.198 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Special Conditions :-

This technical specification will replace the technical specification TS10008305 in the event of unacceptable interference from SW Slopes/E Riverina SBS48 digital television service.

Attachment 1.20

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Dubbo (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS923001

Transmitter Site :-

Nominal location : Dubbo City Council Hut Buninyong Hill Near DUBBO
Australian Map Grid : Zone Easting Northing
Reference 55 658000 6431900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.25 MHz (Ch.57)
Polarisation : Horizontal
Maximum antenna height : 26 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	2.5 kW
210°T - 225°T	5 kW
225°T - 295°T	10 kW
295°T - 310°T	5 kW
310°T - 360°T	2.5 kW

Attachment 1.21

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : East Grove (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10007134

Transmitter Site :-

Nominal location : Baxters Shoe Water Tower GOULBURN
Australian Map Grid : Zone Easting Northing
Reference 55 748660 6149900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 611.25 MHz (Ch.40)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.22

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Eden (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS12003

Transmitter Site :-

Nominal location : BIMMIL HILL
Australian Map Grid : Zone Easting Northing
Reference 55 757040 5899790
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 57.24 MHz (Ch.1)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	79 W
15°T - 150°T	40 W
150°T - 210°T	79 W
210°T - 315°T	40 W
315°T - 360°T	79 W

Attachment 1.23

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Fraser (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003093

Transmitter Site :-

Nominal location : Hill 1 CSIRO Ginninderra Experiment Stn
Australian Map Grid : Zone Easting Northing
Reference 55 686658 6104503
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 723.25 MHz (Ch.56)
Polarisation : Horizontal
Maximum antenna height : 7 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	2 W
135°T - 150°T	5 W
150°T - 165°T	10 W
165°T - 235°T	20 W
235°T - 250°T	10 W
250°T - 265°T	5 W
265°T - 360°T	2 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

This technical specification will be replaced by the technical specification TS10012012 in the event of unacceptable interference from Tuggeranong unassigned channel 56 and Weston Creek/Woden unassigned channel 56 digital television services.

Attachment 1.23.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Fraser (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10012012

Transmitter Site :-

Nominal location : Hill 1 CSIRO Ginninderra Experiment Stn
Australian Map Grid : Zone Easting Northing
Reference 55 686658 6104503
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 688.25 MHz (Ch.51)
Polarisation : Horizontal
Maximum antenna height : 7 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	2 W
135°T - 150°T	5 W
150°T - 165°T	10 W
165°T - 235°T	20 W
235°T - 250°T	10 W
250°T - 265°T	5 W
265°T - 360°T	2 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

This technical specification will replace the technical specification TS10003093 in the event of unacceptable interference from Tuggeranong unassigned channel 56 and Weston Creek/Woden unassigned channel 56 digital television services.

Attachment 1.24

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Goulburn (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS6530001

Transmitter Site :-

Nominal location : Telstra Site MT GRAY
Australian Map Grid : Zone Easting Northing
Reference 55 752849 6150221
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 716.25 MHz (Ch.55)
Polarisation : Vertical
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 240°T	100 W
240°T - 350°T	1 kW
350°T - 360°T	100 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.25

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Illawarra (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS15001

Transmitter Site :-

Nominal location : Broadcast Australia Analog Television Mast
KNIGHTS HILL

Australian Map Grid : Zone Easting Northing
Reference 56 288510 6166150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 723.224 MHz (Ch.56)
Polarisation : Horizontal
Maximum antenna height : 188 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	960 kW
90°T - 160°T	480 kW
160°T - 270°T	960 kW
270°T - 340°T	480 kW
340°T - 360°T	960 kW

Attachment 1.26

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Jindabyne (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS12004

Transmitter Site :-

Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.224 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 220°T	200 W
220°T - 355°T	400 W
355°T - 360°T	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.27

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Kandos (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10007036

Transmitter Site :-

Nominal location : Broadcast Site BALDY PEAK
Australian Map Grid : Zone Easting Northing
Reference 55 779619 6358771
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.198 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	300 W
15°T - 30°T	150 W
30°T - 255°T	60 W
255°T - 270°T	150 W
270°T - 285°T	300 W
285°T - 360°T	600 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.28

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Lithgow East (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2103002

Transmitter Site :-

Nominal location : Morts Estate LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 236200 6292800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 716.198 MHz (Ch.55)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	50 W
50°T - 70°T	100 W
70°T - 220°T	200 W
220°T - 240°T	100 W
240°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.29

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Lithgow (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2103001

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 234740 6290100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 555.198 MHz (Ch.32)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	300 W
135°T - 220°T	150 W
220°T - 360°T	300 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 72 dBuV/m against interference from other broadcasting services.

Attachment 1.30

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Mudgee (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS913001

Transmitter Site :-

Nominal location : Translator Site Endicott Hill (Lower Mount Misery)
Near MUDGEE

Australian Map Grid : Zone Easting Northing
Reference 55 740615 6388856

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 716.25 MHz (Ch.55)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	125 W
100°T - 340°T	12.5 W
340°T - 360°T	125 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.31

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Narooma (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS5076002

Transmitter Site :-

Nominal location : NTA Site BUCKERIDGE LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 56 237700 5990300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 46.24 MHz (Ch.0)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	250 W
15°T - 30°T	500 W
30°T - 80°T	1 kW
80°T - 210°T	400 W
210°T - 235°T	250 W
235°T - 360°T	100 W

Attachment 1.32

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Nowra North (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS15008

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 555.198 MHz (Ch.32)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 65°T	640 W
65°T - 95°T	3.2 kW
95°T - 135°T	1.6 kW
135°T - 360°T	640 W

Attachment 1.33

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Nyngan (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS265001

Transmitter Site :-

Nominal location : Broadcast tower 3km S of NYNGAN
Australian Map Grid : Zone Easting Northing
Reference 55 517100 6505000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band II - TV
Carrier Frequency : 86.25 MHz (Ch.3)
Polarisation : Vertical
Maximum antenna height : 38 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 45°T	20 W
45°T - 345°T	5 W
345°T - 360°T	20 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 1.34

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Oberon (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008603

Transmitter Site :-

Nominal location : Translator and GSM Tower FALLS HILL Rockley Road OBERON

Australian Map Grid : Zone Easting Northing
Reference 55 763025 6266975

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.198 MHz (Ch.57)
Polarisation : Horizontal
Maximum antenna height : 17 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	20 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.35

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Portland/Wallerawang (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2185001

Transmitter Site :-

Nominal location : Broadcast Site GARLANDS HILL
Australian Map Grid : Zone Easting Northing
Reference 55 774349 6299544
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.224 MHz (Ch.57)
Polarisation : Vertical
Maximum antenna height : 29 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	4 kW
145°T - 160°T	2 kW
160°T - 175°T	1 kW
175°T - 325°T	200 W
325°T - 340°T	1 kW
340°T - 355°T	2 kW
355°T - 360°T	4 kW

Attachment 1.36

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Stanwell Park (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS15007

Transmitter Site :-

Nominal location : Bald Hill STANWELL TOPS
Australian Map Grid : Zone Easting Northing
Reference 56 315190 6211040
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 562.224 MHz (Ch.33)
Polarisation : Horizontal
Maximum antenna height : 9 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	4 W
180°T - 195°T	20 W
195°T - 265°T	40 W
265°T - 280°T	20 W
280°T - 360°T	4 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 72 dBuV/m against interference from other broadcasting services.

Attachment 1.37

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : SW Slopes/E Riverina (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS9001

Transmitter Site :-

Nominal location : TV Transmitter MT ULANDRA
Australian Map Grid : Zone Easting Northing
Reference 55 582311 6146329
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 46.24 MHz (Ch.0)
Polarisation : Horizontal
Maximum antenna height : 106 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 kW

Attachment 1.38

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Thredbo (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS12005

Transmitter Site :-

Nominal location : Eagles Nest Restaurant MT CRACKENBACK
Australian Map Grid : Zone Easting Northing
Reference 55 615200 5960400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 569.25 MHz (Ch.34)
Polarisation : Horizontal
Maximum antenna height : 4 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 93°T	20 W
93°T - 108°T	40 W
108°T - 178°T	80 W
178°T - 193°T	40 W
193°T - 360°T	20 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 72 dBuV/m against interference from other broadcasting services.

Attachment 1.39

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Tuggeranong (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS1604

Transmitter Site :-

Nominal location : Broadcast Site TUGGERANONG HILL
Australian Map Grid : Zone Easting Northing
Reference 55 691180 6074450
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.25 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 5°T	640 W
5°T - 50°T	160 W
50°T - 275°T	200 W
275°T - 320°T	160 W
320°T - 360°T	640 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.40

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Tumut (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS9005

Transmitter Site :-

Nominal location : Television Translator Webbs Hill TUMUT
Australian Map Grid : Zone Easting Northing
Reference 55 613300 6093600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.224 MHz (Ch.57)
Polarisation : Horizontal
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	60 W
145°T - 305°T	130 W
305°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.42

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Ulladulla (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS15005

Transmitter Site :-

Nominal location : Little Forest Trig MILTON
Australian Map Grid : Zone Easting Northing
Reference 56 258200 6092200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 562.198 MHz (Ch.33)
Polarisation : Vertical
Maximum antenna height : 26 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	20 kW
15°T - 30°T	40 kW
30°T - 200°T	80 kW
200°T - 215°T	40 kW
215°T - 230°T	20 kW
230°T - 360°T	8 kW

Attachment 1.43

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Wagga Wagga (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2136001

Transmitter Site :-

Nominal location : Capital TV Site Willans Hill WAGGA WAGGA
Australian Map Grid : Zone Easting Northing
Reference 55 533770 6112000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 723.224 MHz (Ch.56)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.44

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Weston Creek/Woden (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS1602

Transmitter Site :-

Nominal location : Summit MT TAYLOR
Australian Map Grid : Zone Easting Northing
Reference 55 688500 6083500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 716.198 MHz (Ch.55)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 340°T	20 W
340°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 1.45

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Wollongong (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10010050

Transmitter Site :-

Nominal location : Broadcast Site Escarpment Road BROKERS NOSE
Australian Map Grid : Zone Easting Northing
Reference 56 304558 6194922
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 541.224 MHz (Ch.30)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	500 W
15°T - 150°T	5 kW
150°T - 230°T	2 kW
230°T - 360°T	500 W

Attachment 1.46

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Young (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS9003

Transmitter Site :-

Nominal location : NTA Site Reservoir Hill YOUNG
Australian Map Grid : Zone Easting Northing
Reference 55 620100 6203900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 216.24 MHz (Ch.11)
Polarisation : Horizontal
Maximum antenna height : 38 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 140°T	50 W
140°T - 310°T	100 W
310°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 2.3

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Batemans Bay/Moruya (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS744001

Transmitter Site :-

Nominal location : South Site MT WANDERA
Australian Map Grid : Zone Easting Northing
Reference 56 229280 6034340
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 716.198 MHz (Ch.55)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 30°T	2.5 kW
30°T - 100°T	10 kW
100°T - 150°T	4 kW
150°T - 205°T	10 kW
205°T - 360°T	2.5 kW

Attachment 2.4

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Bathurst (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS7522001

Transmitter Site :-

Nominal location : Broadcast Site MOUNT PANORAMA
Australian Map Grid : Zone Easting Northing
Reference 55 736663 6294802
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 653.224 MHz (Ch.46)
Polarisation : Vertical
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 340°T	800 W
340°T - 360°T	2 kW

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.6

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Bega (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS1277001

Transmitter Site :-

Nominal location : MUMBULLA MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 756450 5951600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 632.25 MHz (Ch.43)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	6 kW
60°T - 330°T	10 kW
330°T - 360°T	6 kW

Attachment 2.8

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Bowral/Mittagong (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2233004

Transmitter Site :-

Nominal location : Council/Television Tower 100 Metres North of
Gibraltar Trig Point Mount Gibraltar via
MITTAGONG

Australian Map Grid : Zone Easting Northing
Reference 56 263670 6183150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 541.25 MHz (Ch.30)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 155°T	2 kW
155°T - 275°T	4 kW
275°T - 290°T	2 kW
290°T - 330°T	1 kW
330°T - 360°T	2 kW

Attachment 2.9

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Braidwood (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS5326001

Transmitter Site :-

Nominal location : NTA Site MT GILLAMATONG
Australian Map Grid : Zone Easting Northing
Reference 55 751400 6072800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 709.198 MHz (Ch.54)
Polarisation : Vertical
Maximum antenna height : 28 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	480 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS5331001 in the event of unacceptable interference from Bega/Cooma unassigned channel 54 digital television service.

Attachment 2.9.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Braidwood (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS5331001

Transmitter Site :-

Nominal location : NTA Site MT GILLAMATONG
Australian Map Grid : Zone Easting Northing
Reference 55 751400 6072800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 814.198 MHz (Ch.69)
Polarisation : Vertical
Maximum antenna height : 28 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	480 W

Special Conditions :-

This technical specification will replace the technical specification TS5326001 in the event of unacceptable interference from Bega/Cooma unassigned channel 54 digital television service.

Attachment 2.10

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Canberra (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS135001

Transmitter Site :-

Nominal location : Telecom Tower BLACK MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 690683 6094201
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 527.26 MHz (Ch.28)
Polarisation : Horizontal
Maximum antenna height : 188 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	600 kW

Attachment 2.12

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Central Tablelands (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008315

Transmitter Site :-

Nominal location : MT CANOBOLAS
Australian Map Grid : Zone Easting Northing
Reference 55 684500 6308800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 541.224 MHz (Ch.30)
Polarisation : Horizontal
Maximum antenna height : 171 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 30°T	2 MW
30°T - 190°T	600 kW
190°T - 240°T	2 MW
240°T - 340°T	2 MW
340°T - 360°T	2 MW

Attachment 2.13

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Central Western Slopes (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS1383001

Transmitter Site :-

Nominal location : MT CENN CRUAICH
Australian Map Grid : Zone Easting Northing
Reference 55 692298 6530496
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 534.198 MHz (Ch.29)
Polarisation : Horizontal
Maximum antenna height : 152 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	300 kW
130°T - 270°T	1 MW
270°T - 360°T	300 kW

Attachment 2.16

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Coolah (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS929001

Transmitter Site :-

Nominal location : Prime Television Site Queensborough Near COOLAH
Australian Map Grid : Zone Easting Northing
Reference 55 758100 6481000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 702.224 MHz (Ch.53)
Polarisation : Horizontal
Maximum antenna height : 13 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	240 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.17

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cooma Town (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS219001

Transmitter Site :-

Nominal location : Radio Terminal COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692434 5987661
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 702.198 MHz (Ch.53)
Polarisation : Vertical
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

This technical specification will be replaced by the technical specification TS2162001 in the event of unacceptable interference from Bega/Cooma unassigned channel 54 and Cooma Town unassigned channel 53 digital television services.

Attachment 2.17.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cooma Town (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2162001

Transmitter Site :-

Nominal location : Radio Terminal COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692434 5987661
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 807.198 MHz (Ch.68)
Polarisation : Vertical
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

This technical specification will replace the technical specification TS219001 in the event of unacceptable interference from Bega/Cooma unassigned channel 54 and Cooma Town unassigned channel 53 digital television services.

Attachment 2.18

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cooma/Monaro (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011690

Transmitter Site :-

Nominal location : Ten Capital Broadcasting Site MT ROBERTS
Australian Map Grid : Zone Easting Northing
Reference 55 682510 6015830
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 583.25 MHz (Ch.36)
Polarisation : Vertical
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 115°T	20 kW
115°T - 130°T	50 kW
130°T - 145°T	100 kW
145°T - 215°T	200 kW
215°T - 230°T	100 kW
230°T - 245°T	50 kW
245°T - 360°T	20 kW

Attachment 2.19

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cowra (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008304

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 646.198 MHz (Ch.45)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011995 in the event of unacceptable interference from SW Slopes/E Riverina unassigned channel 45 digital television service.

Attachment 2.19.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Cowra (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011995

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.198 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Special Conditions :-

This technical specification will replace the technical specification TS10008304 in the event of unacceptable interference from SW Slopes/E Riverina unassigned channel 45 digital television service.

Attachment 2.20

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Dubbo (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10009950

Transmitter Site :-

Nominal location : Dubbo City Council Hut Buninyong Hill Near DUBBO
Australian Map Grid : Zone Easting Northing
Reference 55 658000 6431900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 709.25 MHz (Ch.54)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	2.5 kW
210°T - 225°T	5 kW
225°T - 295°T	10 kW
295°T - 310°T	5 kW
310°T - 360°T	2.5 kW

Attachment 2.21

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : East Grove (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10007167

Transmitter Site :-

Nominal location : Baxters Shoe Water Tower GOULBURN
Australian Map Grid : Zone Easting Northing
Reference 55 748660 6149900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 632.25 MHz (Ch.43)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.22

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Eden (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS762001

Transmitter Site :-

Nominal location : BIMMIL HILL
Australian Map Grid : Zone Easting Northing
Reference 55 757040 5899790
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 814.25 MHz (Ch.69)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 150°T	4 kW
150°T - 210°T	2 kW
210°T - 315°T	1 kW
315°T - 360°T	4 kW

Attachment 2.23

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Fraser (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003094

Transmitter Site :-

Nominal location : Hill 1 CSIRO Ginninderra Experiment Stn
Australian Map Grid : Zone Easting Northing
Reference 55 686658 6104503
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 702.25 MHz (Ch.53)
Polarisation : Horizontal
Maximum antenna height : 7 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	2 W
135°T - 150°T	5 W
150°T - 165°T	10 W
165°T - 235°T	20 W
235°T - 250°T	10 W
250°T - 265°T	5 W
265°T - 360°T	2 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

This technical specification will be replaced by the technical specification TS10012011 in the event of unacceptable interference from Tuggeranong unassigned channel 53 and Weston Creek/Woden unassigned channel 53 digital television services.

Attachment 2.23.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Fraser (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10012011

Transmitter Site :-

Nominal location : Hill 1 CSIRO Ginninderra Experiment Stn
Australian Map Grid : Zone Easting Northing
Reference 55 686658 6104503
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 667.25 MHz (Ch.48)
Polarisation : Horizontal
Maximum antenna height : 7 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	2 W
135°T - 150°T	5 W
150°T - 165°T	10 W
165°T - 235°T	20 W
235°T - 250°T	10 W
250°T - 265°T	5 W
265°T - 360°T	2 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

This technical specification will replace the technical specification TS10003094 in the event of unacceptable interference from Tuggeranong unassigned channel 53 and Weston Creek/Woden unassigned channel 53 digital television services.

Attachment 2.24

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Goulburn (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS232601

Transmitter Site :-

Nominal location : Telstra Site MT GRAY
Australian Map Grid : Zone Easting Northing
Reference 55 752849 6150221
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 737.25 MHz (Ch.58)
Polarisation : Vertical
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 240°T	100 W
240°T - 350°T	1 kW
350°T - 360°T	100 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.25

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Illawarra (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2233001

Transmitter Site :-

Nominal location : Broadcast Australia Analog Television Mast
KNIGHTS HILL

Australian Map Grid : Zone Easting Northing
Reference 56 288510 6166150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 702.224 MHz (Ch.53)
Polarisation : Horizontal
Maximum antenna height : 188 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	960 kW
90°T - 160°T	480 kW
160°T - 270°T	960 kW
270°T - 340°T	480 kW
340°T - 360°T	960 kW

Attachment 2.26

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Jindabyne (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10012362

Transmitter Site :-

Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 814.224 MHz (Ch.69)
Polarisation : Horizontal
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 220°T	200 W
220°T - 355°T	400 W
355°T - 360°T	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.28

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Lithgow East (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008268

Transmitter Site :-

Nominal location : Morts Estate LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 236200 6292800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 695.198 MHz (Ch.52)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	50 W
50°T - 70°T	100 W
70°T - 220°T	200 W
220°T - 240°T	100 W
240°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.29

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Lithgow (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008264

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 234740 6290100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 534.198 MHz (Ch.29)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	300 W
135°T - 220°T	150 W
220°T - 360°T	300 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 72 dBuV/m against interference from other broadcasting services.

Attachment 2.30

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Mudgee (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10012844

Transmitter Site :-

Nominal location : Translator Site Endicott Hill (Lower Mount Misery)
Near MUDGEE

Australian Map Grid : Zone Easting Northing
Reference 55 740615 6388856

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 737.25 MHz (Ch.58)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	130 W
100°T - 340°T	65 W
340°T - 360°T	130 W

Attachment 2.31

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Narooma (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS754001

Transmitter Site :-

Nominal location : NTA Site BUCKERIDGE LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 56 237700 5990300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 660.25 MHz (Ch.47)
Polarisation : Horizontal
Maximum antenna height : 49 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	1 kW
210°T - 340°T	4 kW
340°T - 360°T	1 kW

Attachment 2.32

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Nowra North (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2233006

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 534.198 MHz (Ch.29)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 65°T	640 W
65°T - 95°T	3.2 kW
95°T - 135°T	1.6 kW
135°T - 360°T	640 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011156 in the event of unacceptable interference from Sydney unassigned channel 29 digital television service.

Attachment 2.32.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Nowra North (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011156

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 660.224 MHz (Ch.47)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	400 W
40°T - 50°T	1 kW
50°T - 65°T	2 kW
65°T - 125°T	4 kW
125°T - 140°T	2 kW
140°T - 245°T	1 kW
245°T - 360°T	400 W

Special Conditions :-

This technical specification will replace the technical specification TS2233006 in the event of unacceptable interference from Sydney unassigned channel 29 digital television service.

Attachment 2.35

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Portland/Wallerawang (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10008267

Transmitter Site :-

Nominal location : Broadcast Site GARLANDS HILL
Australian Map Grid : Zone Easting Northing
Reference 55 774349 6299544
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 709.224 MHz (Ch.54)
Polarisation : Vertical
Maximum antenna height : 29 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	4 kW
145°T - 160°T	2 kW
160°T - 175°T	1 kW
175°T - 325°T	200 W
325°T - 340°T	1 kW
340°T - 355°T	2 kW
355°T - 360°T	4 kW

Attachment 2.36

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Stanwell Park (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10010051

Transmitter Site :-

Nominal location : Bald Hill STANWELL TOPS
Australian Map Grid : Zone Easting Northing
Reference 56 315190 6211040
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 667.224 MHz (Ch.48)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	4 W
210°T - 250°T	40 W
250°T - 360°T	4 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.37

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : SW Slopes/E Riverina (NSW)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS1254001

Transmitter Site :-

Nominal location : TV Transmitter MT ULANDRA
Australian Map Grid : Zone Easting Northing
Reference 55 582311 6146329
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 534.25 MHz (Ch.29)
Polarisation : Horizontal
Maximum antenna height : 180 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1.6 MW

Attachment 2.39

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Tuggeranong (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS135004

Transmitter Site :-

Nominal location : Broadcast Site TUGGERANONG HILL
Australian Map Grid : Zone Easting Northing
Reference 55 691180 6074450
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 709.25 MHz (Ch.54)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	640 W
50°T - 275°T	200 W
275°T - 360°T	640 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.40

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Tumut (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10012847

Transmitter Site :-

Nominal location : Television Translator Webbs Hill TUMUT
Australian Map Grid : Zone Easting Northing
Reference 55 613300 6093600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 709.224 MHz (Ch.54)
Polarisation : Horizontal
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	60 W
145°T - 305°T	130 W
305°T - 360°T	60 W

Attachment 2.42

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Ulladulla (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2233003

Transmitter Site :-

Nominal location : Little Forest Trig MILTON
Australian Map Grid : Zone Easting Northing
Reference 56 258200 6092200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 541.198 MHz (Ch.30)
Polarisation : Vertical
Maximum antenna height : 26 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	20 kW
15°T - 30°T	40 kW
30°T - 200°T	80 kW
200°T - 215°T	40 kW
215°T - 230°T	20 kW
230°T - 360°T	8 kW

Attachment 2.43

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Wagga Wagga (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS3710003

Transmitter Site :-

Nominal location : Capital TV Site Willans Hill WAGGA WAGGA
Australian Map Grid : Zone Easting Northing
Reference 55 533770 6112000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 702.224 MHz (Ch.53)
Polarisation : Horizontal

Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.44

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Weston Creek/Woden (ACT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS135602

Transmitter Site :-

Nominal location : Summit MT TAYLOR
Australian Map Grid : Zone Easting Northing
Reference 55 688500 6083500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 737.198 MHz (Ch.58)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 340°T	20 W
340°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 2.45

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Wollongong (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS2233002

Transmitter Site :-

Nominal location : Broadcast Site Escarpment Road BROKERS NOSE
Australian Map Grid : Zone Easting Northing
Reference 56 304558 6194922
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 555.224 MHz (Ch.32)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	2 kW
15°T - 150°T	5 kW
150°T - 230°T	2 kW
230°T - 360°T	500 W

Attachment 2.46

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : National
General Area Served : Young (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10012848

Transmitter Site :-

Nominal location : NTA Site Reservoir Hill YOUNG
Australian Map Grid : Zone Easting Northing
Reference 55 620100 6203900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 737.224 MHz (Ch.58)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 140°T	200 W
140°T - 310°T	400 W
310°T - 360°T	200 W

Attachment 3.3

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Batemans Bay/Moruya (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90025

Transmitter Site :-

Nominal location : South Site MT WANDERA
Australian Map Grid : Zone Easting Northing
Reference 56 229280 6034340
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.198 MHz (Ch.64)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 30°T	2.5 kW
30°T - 100°T	10 kW
100°T - 150°T	4 kW
150°T - 205°T	10 kW
205°T - 360°T	2.5 kW

Attachment 3.4

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bathurst (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90002

Transmitter Site :-

Nominal location : Broadcast Site MOUNT PANORAMA
Australian Map Grid : Zone Easting Northing
Reference 55 736663 6294802
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 216.24 MHz (Ch.11)
Polarisation : Vertical
Maximum antenna height : 38 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	400 W
90°T - 346°T	100 W
346°T - 360°T	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

This technical specification will be replaced by the technical specification TS10013036 in the event of unacceptable interference from Bathurst CBN10 digital television service.

Attachment 3.4.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bathurst (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS10013036

Transmitter Site :-

Nominal location : Broadcast Site MOUNT PANORAMA
Australian Map Grid : Zone Easting Northing
Reference 55 736663 6294802
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 217.24 MHz (Ch.11)
Polarisation : Vertical
Maximum antenna height : 38 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	400 W
90°T - 346°T	100 W
346°T - 360°T	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

This technical specification will replace the technical specification TS90002 in the event of unacceptable interference from Bathurst CBN10 digital television service.

Attachment 3.6

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bega (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90026

Transmitter Site :-

Nominal location : MUMBULLA MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 756450 5951600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 611.25 MHz (Ch.40)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	6 kW
60°T - 150°T	10 kW
150°T - 265°T	10 kW
265°T - 330°T	10 kW
330°T - 360°T	6 kW

Attachment 3.7

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bombala (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90010

Transmitter Site :-

Nominal location : 7km NNW of BOMBALA
Australian Map Grid : Zone Easting Northing
Reference 55 697500 5919300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.25 MHz (Ch.64)
Polarisation : Vertical
Maximum antenna height : 25 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	4 kW
60°T - 270°T	12 kW
270°T - 360°T	4 kW

Attachment 3.8

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bowral/Mittagong (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90027

Transmitter Site :-

Nominal location : Council/Television Tower 100 Metres North of
Gibraltar Trig Point Mount Gibraltar via
MITTAGONG

Australian Map Grid : Zone Easting Northing
Reference 56 263670 6183150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 646.25 MHz (Ch.45)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 155°T	2 kW
155°T - 275°T	4 kW
275°T - 290°T	2 kW
290°T - 330°T	1 kW
330°T - 360°T	2 kW

Attachment 3.9

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Braidwood (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90017

Transmitter Site :-

Nominal location : NTA Site MT GILLAMATONG
Australian Map Grid : Zone Easting Northing
Reference 55 751400 6072800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.198 MHz (Ch.66)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	480 W

Attachment 3.10

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Canberra (ACT)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90009

Transmitter Site :-

Nominal location : Telecom Tower BLACK MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 690683 6094201
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 569.198 MHz (Ch.34)
Polarisation : Horizontal
Maximum antenna height : 177 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	600 kW

Attachment 3.12

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Central Tablelands (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90001

Transmitter Site :-

Nominal location : Prime TV Tower MT CANOBOLAS
Australian Map Grid : Zone Easting Northing
Reference 55 684410 6308825
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 189.258 MHz (Ch.8)
Polarisation : Vertical
Maximum antenna height : 112 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 kW

Attachment 3.13

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Central Western Slopes (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90018

Transmitter Site :-

Nominal location : MT CENN CRUAICH
Australian Map Grid : Zone Easting Northing
Reference 55 692298 6530496
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 175.26 MHz (Ch.6)
Polarisation : Vertical
Maximum antenna height : 140 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	200 kW
15°T - 125°T	100 kW
125°T - 160°T	200 kW
160°T - 330°T	400 kW
330°T - 360°T	200 kW

Attachment 3.14

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cobar (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90020

Transmitter Site :-

Nominal location : FORT BOURKE
Australian Map Grid : Zone Easting Northing
Reference 55 391300 6512450
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 209.25 MHz (Ch.10)
Polarisation : Vertical
Maximum antenna height : 17 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 2°T	25 W
2°T - 262°T	13 W
262°T - 277°T	25 W
277°T - 347°T	50 W
347°T - 360°T	25 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 3.15

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Condobolin (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90003

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill 1km NE of
CONDOBLIN

Australian Map Grid : Zone Easting Northing
Reference 55 514500 6339800

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 807.224 MHz (Ch.68)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	100 W
130°T - 290°T	200 W
290°T - 360°T	100 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.16

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial

General Area Served : Coolah (NSW)

Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90023

Transmitter Site :-

Nominal location : Prime Television Site Queensborough Near COOLAH

Australian Map Grid : Reference	Zone 55	Easting 758100	Northing 6481000
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Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV

Carrier Frequency : 744.224 MHz (Ch.59)

Polarisation : Horizontal

Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 145°T	120 W
145°T - 215°T	240 W
215°T - 230°T	120 W
230°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.17

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cooma Town (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90016

Transmitter Site :-

Nominal location : Radio Terminal COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692434 5987661
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 786.198 MHz (Ch.65)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.18

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cooma/Monaro (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90011

Transmitter Site :-

Nominal location : Ten Capital Broadcasting Site MT ROBERTS
Australian Map Grid : Zone Easting Northing
Reference 55 682510 6015830
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 625.25 MHz (Ch.42)
Polarisation : Vertical
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 115°T	20 kW
115°T - 130°T	50 kW
130°T - 145°T	100 kW
145°T - 215°T	200 kW
215°T - 230°T	100 kW
230°T - 245°T	50 kW
245°T - 360°T	20 kW

Attachment 3.19

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cowra (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90042

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 688.198 MHz (Ch.51)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011997 in the event of unacceptable interference from SW Slopes/E Riverina CTC51 digital television service.

Attachment 3.19.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cowra (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011997

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.198 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Special Conditions :-

This technical specification will replace the technical specification TS90042 in the event of unacceptable interference from SW Slopes/E Riverina CTC51 digital television service.

Attachment 3.20

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Dubbo (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90022

Transmitter Site :-

Nominal location : Dubbo City Council Hut Buninyong Hill Near DUBBO
Australian Map Grid : Zone Easting Northing
Reference 55 658000 6431900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.25 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	2.5 kW
210°T - 225°T	5 kW
225°T - 295°T	10 kW
295°T - 310°T	5 kW
310°T - 360°T	2.5 kW

Attachment 3.22

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Eden (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90028

Transmitter Site :-

Nominal location : BIMMIL HILL
Australian Map Grid : Zone Easting Northing
Reference 55 757040 5899790
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.198 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	4 kW
20°T - 35°T	2 kW
35°T - 50°T	1 kW
50°T - 130°T	400 W
130°T - 145°T	1 kW
145°T - 215°T	2 kW
215°T - 230°T	1 kW
230°T - 280°T	500 W
280°T - 295°T	1 kW
295°T - 310°T	2 kW
310°T - 360°T	4 kW

Attachment 3.24

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Goulburn (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90012

Transmitter Site :-

Nominal location : Win TV Tower MT Gray via GOULBURN
Australian Map Grid : Zone Easting Northing
Reference 55 752800 6150200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.25 MHz (Ch.64)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 240°T	500 W
240°T - 350°T	1 kW
350°T - 360°T	500 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.25

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Illawarra (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90024

Transmitter Site :-

Nominal location : Broadcast Australia Analog Television Mast
KNIGHTS HILL

Australian Map Grid : Zone Easting Northing
Reference 56 288510 6166150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 786.198 MHz (Ch.65)
Polarisation : Horizontal
Maximum antenna height : 189 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	950 kW
90°T - 160°T	480 kW
160°T - 270°T	950 kW
270°T - 340°T	480 kW
340°T - 360°T	950 kW

Attachment 3.26

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Jindabyne (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90013

Transmitter Site :-

Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.224 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 220°T	200 W
220°T - 355°T	400 W
355°T - 360°T	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.27

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Kandos (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90004

Transmitter Site :-

Nominal location : Broadcast Site BALDY PEAK
Australian Map Grid : Zone Easting Northing
Reference 55 779619 6358771
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 209.25 MHz (Ch.10)
Polarisation : Vertical
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	20 W
15°T - 275°T	10 W
275°T - 290°T	20 W
290°T - 360°T	40 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 3.28

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Lithgow East (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90007

Transmitter Site :-

Nominal location : Morts Estate LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 236200 6292800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 737.224 MHz (Ch.58)
Polarisation : Horizontal
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	50 W
50°T - 70°T	100 W
70°T - 220°T	200 W
220°T - 240°T	100 W
240°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.29

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Lithgow (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90006

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 234740 6290100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 175.25 MHz (Ch.6)
Polarisation : Vertical
Maximum antenna height : 12 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 25°T	30 W
25°T - 120°T	30 W
120°T - 235°T	15 W
235°T - 325°T	30 W
325°T - 360°T	30 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 3.30

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Mudgee (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90019

Transmitter Site :-

Nominal location : Translator Site Endicott Hill (Lower Mount Misery)
Near MUDGEE

Australian Map Grid : Zone Easting Northing
Reference 55 740615 6388856

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 196.26 MHz (Ch.9)
Polarisation : Vertical
Maximum antenna height : 16 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 5°T	5 W
5°T - 20°T	10 W
20°T - 90°T	20 W
90°T - 105°T	10 W
105°T - 360°T	5 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 3.31

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Narooma (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90029

Transmitter Site :-

Nominal location : NTA Site BUCKERIDGE LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 56 237700 5990300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 639.25 MHz (Ch.44)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	4 kW

Attachment 3.32

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Nowra North (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90033

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 639.224 MHz (Ch.44)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 10°T	320 W
10°T - 25°T	800 W
25°T - 40°T	1.6 kW
40°T - 95°T	3.2 kW
95°T - 135°T	1.6 kW
135°T - 245°T	630 W
245°T - 360°T	320 W

Attachment 3.33

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Nyngan (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS1501001

Transmitter Site :-

Nominal location : Broadcast tower 3km S of NYNGAN
Australian Map Grid : Zone Easting Northing
Reference 55 517100 6505000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.25 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 60 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	160 W
50°T - 65°T	80 W
65°T - 80°T	40 W
80°T - 310°T	20 W
310°T - 325°T	40 W
325°T - 340°T	80 W
340°T - 360°T	160 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.35

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Portland/Wallerawang (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90005

Transmitter Site :-

Nominal location : GARLANDS HILL
Australian Map Grid : Zone Easting Northing
Reference 55 774040 6299740
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.25 MHz (Ch.60)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	2 kW
20°T - 125°T	4 kW
125°T - 360°T	2 kW

Attachment 3.36

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Stanwell Park (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90030

Transmitter Site :-

Nominal location : Bald Hill STANWELL TOPS
Australian Map Grid : Zone Easting Northing
Reference 56 315190 6211040
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 646.224 MHz (Ch.45)
Polarisation : Horizontal
Maximum antenna height : 9 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	4 W
180°T - 195°T	20 W
195°T - 265°T	40 W
265°T - 280°T	20 W
280°T - 360°T	4 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.37

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : SW Slopes/E Riverina (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90035

Transmitter Site :-

Nominal location : TV Transmitter MT ULANDRA
Australian Map Grid : Zone Easting Northing
Reference 55 582311 6146329
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 64.26 MHz (Ch.2)
Polarisation : Horizontal
Maximum antenna height : 168 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 kW

Attachment 3.38

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Thredbo (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90014

Transmitter Site :-

Nominal location : Eagles Nest Restaurant MT CRACKENBACK
Australian Map Grid : Zone Easting Northing
Reference 55 615200 5960400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 653.198 MHz (Ch.46)
Polarisation : Horizontal
Maximum antenna height : 5 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 93°T	20 W
93°T - 108°T	40 W
108°T - 178°T	80 W
178°T - 193°T	40 W
193°T - 360°T	20 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.39

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tuggeranong (ACT)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90015

Transmitter Site :-

Nominal location : Broadcast Site TUGGERANONG HILL
Australian Map Grid : Zone Easting Northing
Reference 55 691180 6074450
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 814.25 MHz (Ch.69)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	640 W
50°T - 275°T	200 W
275°T - 360°T	640 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.40

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tumut (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90039

Transmitter Site :-

Nominal location : Television Translator Webbs Hill TUMUT
Australian Map Grid : Zone Easting Northing
Reference 55 613300 6093600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.224 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	60 W
145°T - 305°T	130 W
305°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.41

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tumbarumba (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90038

Transmitter Site :-

Nominal location : Television Translator Power St TUMBARUMBA
Australian Map Grid : Zone Easting Northing
Reference 55 592200 6040200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 814.25 MHz (Ch.69)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	4 W
180°T - 210°T	6.3 W
210°T - 330°T	13 W
330°T - 360°T	6.3 W

Attachment 3.42

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Ulladulla (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90031

Transmitter Site :-

Nominal location : Little Forest Trig MILTON
Australian Map Grid : Zone Easting Northing
Reference 56 258200 6092200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 667.198 MHz (Ch.48)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	20 kW
15°T - 30°T	40 kW
30°T - 200°T	80 kW
200°T - 215°T	40 kW
215°T - 230°T	20 kW
230°T - 360°T	8 kW

Attachment 3.43

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wagga Wagga (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90037

Transmitter Site :-

Nominal location : Capital TV Site Willans Hill WAGGA WAGGA
Australian Map Grid : Zone Easting Northing
Reference 55 533770 6112000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 744.224 MHz (Ch.59)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	400 W
50°T - 160°T	390 W
160°T - 180°T	200 W
180°T - 290°T	390 W
290°T - 360°T	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.44

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Weston Creek/Woden (ACT)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90034

Transmitter Site :-

Nominal location : Summit MT TAYLOR
Australian Map Grid : Zone Easting Northing
Reference 55 688500 6083500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.198 MHz (Ch.64)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 340°T	20 W
340°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 3.45

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wollongong (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90032

Transmitter Site :-

Nominal location : Broadcast Site Escarpment Road BROKERS NOSE
Australian Map Grid : Zone Easting Northing
Reference 56 304558 6194922
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 660.198 MHz (Ch.47)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	2 kW
15°T - 150°T	5 kW
150°T - 230°T	2 kW
230°T - 360°T	500 W

Attachment 3.46

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Young (NSW)
Service Licence Number : SL90

TECHNICAL SPECIFICATION - Television

Specification Number : TS90036

Transmitter Site :-

Nominal location : NTA Site Reservoir Hill YOUNG
Australian Map Grid : Zone Easting Northing
Reference 55 620100 6203900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 175.25 MHz (Ch.6)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 140°T	50 W
140°T - 310°T	100 W
310°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 4.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Adelong (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85044

Transmitter Site :-

Nominal location : 3km ENE of ADELONG
Australian Map Grid : Zone Easting Northing
Reference 55 599400 6092400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.198 MHz (Ch.64)
Polarisation : Horizontal
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 208°T	25 W
208°T - 223°T	50 W
223°T - 293°T	100 W
293°T - 308°T	50 W
308°T - 360°T	25 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.3

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Batemans Bay/Moruya (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85029

Transmitter Site :-

Nominal location : South Site MT WANDERA
Australian Map Grid : Zone Easting Northing
Reference 56 229280 6034340
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.198 MHz (Ch.61)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 30°T	2.5 kW
30°T - 100°T	10 kW
100°T - 150°T	4 kW
150°T - 205°T	10 kW
205°T - 360°T	2.5 kW

Attachment 4.4

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bathurst (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85013

Transmitter Site :-

Nominal location : Broadcast Site MOUNT PANORAMA
Australian Map Grid : Zone Easting Northing
Reference 55 736663 6294802
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 674.224 MHz (Ch.49)
Polarisation : Vertical
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 340°T	800 W
340°T - 360°T	2 kW

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.6

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bega (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85028

Transmitter Site :-

Nominal location : MUMBULLA MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 756450 5951600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 569.25 MHz (Ch.34)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	6 kW
60°T - 150°T	10 kW
150°T - 265°T	10 kW
265°T - 330°T	10 kW
330°T - 360°T	6 kW

Attachment 4.7

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bombala (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85002

Transmitter Site :-

Nominal location : 7 km NNW of BOMBALA
Australian Map Grid : Zone Easting Northing
Reference 55 697500 5919200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band I - TV
Carrier Frequency : 64.252 MHz (Ch.2)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	3.2 kW

Attachment 4.8

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bowral/Mittagong (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85031

Transmitter Site :-

Nominal location : Council/Television Tower 100 Metres North of
Gibraltar Trig Point Mount Gibraltar via
MITTAGONG

Australian Map Grid : Zone Easting Northing
Reference 56 263670 6183150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 625.25 MHz (Ch.42)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 155°T	2 kW
155°T - 275°T	4 kW
275°T - 290°T	2 kW
290°T - 330°T	1 kW
330°T - 360°T	2 kW

Attachment 4.9

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Braidwood (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85009

Transmitter Site :-

Nominal location : NTA Site MT GILLAMATONG
Australian Map Grid : Zone Easting Northing
Reference 55 751400 6072800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.198 MHz (Ch.60)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	480 W

Attachment 4.10

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Canberra (ACT)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85001

Transmitter Site :-

Nominal location : Telecom Tower BLACK MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 690683 6094201
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 182.258 MHz (Ch.7)
Polarisation : Vertical
Maximum antenna height : 160 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 kW

Attachment 4.11

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Captains Flat (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85010

Transmitter Site :-

Nominal location : Broadcast Site Water Reservoir Old Mines Road
CAPTAINS FLAT

Australian Map Grid : Zone Easting Northing
Reference 55 721086 6057749

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 737.224 MHz (Ch.58)
Polarisation : Vertical
Maximum antenna height : 10 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	6 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.12

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Central Tablelands (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85012

Transmitter Site :-

Nominal location : MT CANOBOLAS
Australian Map Grid : Zone Easting Northing
Reference 55 684500 6308800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 562.224 MHz (Ch.33)
Polarisation : Horizontal
Maximum antenna height : 171 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 30°T	2 MW
30°T - 190°T	600 kW
190°T - 240°T	2 MW
240°T - 340°T	2 MW
340°T - 360°T	2 MW

Attachment 4.13

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Central Western Slopes (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85019

Transmitter Site :-

Nominal location : MT CENN CRUAICH
Australian Map Grid : Zone Easting Northing
Reference 55 692298 6530496
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 576.198 MHz (Ch.35)
Polarisation : Horizontal
Maximum antenna height : 150 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	300 kW
130°T - 270°T	1 MW
270°T - 360°T	300 kW

Attachment 4.15

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Condobolin (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85014

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill 1km NE of
CONDOBLIN

Australian Map Grid : Zone Easting Northing
Reference 55 514500 6339800

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 744.224 MHz (Ch.59)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	100 W
130°T - 290°T	200 W
290°T - 360°T	100 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.16

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Coolah (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85038

Transmitter Site :-

Nominal location : Prime Television Site Queensborough Near COOLAH
Australian Map Grid : Zone Easting Northing
Reference 55 758100 6481000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 786.224 MHz (Ch.65)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 145°T	120 W
145°T - 215°T	240 W
215°T - 230°T	120 W
230°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.17

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cooma Town (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85011

Transmitter Site :-

Nominal location : Radio Terminal COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692434 5987661
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 744.198 MHz (Ch.59)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.18

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cooma/Monaro (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85003

Transmitter Site :-

Nominal location : Ten Capital Broadcasting Site MT ROBERTS
Australian Map Grid : Zone Easting Northing
Reference 55 682510 6015830
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 209.26 MHz (Ch.10)
Polarisation : Vertical
Maximum antenna height : 40 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 131°T	13 kW
131°T - 146°T	25 kW
146°T - 216°T	50 kW
216°T - 231°T	25 kW
231°T - 360°T	13 kW

Attachment 4.19

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cowra (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85042

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 709.198 MHz (Ch.54)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Attachment 4.20

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Dubbo (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85023

Transmitter Site :-

Nominal location : Dubbo City Council Hut Buninyong Hill Near DUBBO
Australian Map Grid : Zone Easting Northing
Reference 55 658000 6431900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.25 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	2.5 kW
210°T - 225°T	5 kW
225°T - 295°T	10 kW
295°T - 310°T	5 kW
310°T - 360°T	2.5 kW

Attachment 4.22

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Eden (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85026

Transmitter Site :-

Nominal location : BIMMIL HILL
Australian Map Grid : Zone Easting Northing
Reference 55 757040 5899790
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.198 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	4 kW
20°T - 35°T	2 kW
35°T - 50°T	1 kW
50°T - 130°T	400 W
130°T - 145°T	1 kW
145°T - 215°T	2 kW
215°T - 230°T	1 kW
230°T - 280°T	500 W
280°T - 295°T	1 kW
295°T - 310°T	2 kW
310°T - 360°T	4 kW

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011630 in the event of unacceptable interference from Batemans Bay/Moruya CTC63 digital television service.

Attachment 4.22.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Eden (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011630

Transmitter Site :-

Nominal location : BIMMIL HILL
Australian Map Grid : Zone Easting Northing
Reference 55 757040 5899790
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 674.198 MHz (Ch.49)
Polarisation : Horizontal
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	4 kW
20°T - 35°T	2 kW
35°T - 50°T	1 kW
50°T - 130°T	400 W
130°T - 145°T	1 kW
145°T - 215°T	2 kW
215°T - 230°T	1 kW
230°T - 280°T	400 W
280°T - 295°T	1 kW
295°T - 310°T	2 kW
310°T - 360°T	4 kW

Special Conditions :-

This technical specification will replace the technical specification TS85026 in the event of unacceptable interference from Batemans Bay/Moruya CTC63 digital television service.

Attachment 4.24

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Goulburn (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85004

Transmitter Site :-

Nominal location : Telstra Site MT GRAY
Australian Map Grid : Zone Easting Northing
Reference 55 752849 6150221
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 209.24 MHz (Ch.10)
Polarisation : Vertical
Maximum antenna height : 25 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 240°T	80 W
240°T - 340°T	160 W
340°T - 360°T	80 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 65 dBuV/m against interference from other broadcasting services.

Attachment 4.25

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Illawarra (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85024

Transmitter Site :-

Nominal location : Broadcast Australia Analog Television Mast
KNIGHTS HILL

Australian Map Grid : Zone Easting Northing
Reference 56 288510 6166150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 765.198 MHz (Ch.62)
Polarisation : Horizontal
Maximum antenna height : 189 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	950 kW
90°T - 160°T	480 kW
160°T - 270°T	950 kW
270°T - 340°T	480 kW
340°T - 360°T	950 kW

Attachment 4.26

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Jindabyne (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85006

Transmitter Site :-

Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.224 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 220°T	200 W
220°T - 355°T	400 W
355°T - 360°T	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.27

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Kandos (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85015

Transmitter Site :-

Nominal location : Broadcast Site BALDY PEAK
Australian Map Grid : Zone Easting Northing
Reference 55 779619 6358771
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.198 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	300 W
15°T - 30°T	150 W
30°T - 255°T	60 W
255°T - 270°T	150 W
270°T - 285°T	300 W
285°T - 360°T	600 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.28

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Lithgow East (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85018

Transmitter Site :-

Nominal location : Morts Estate LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 236200 6292800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.224 MHz (Ch.61)
Polarisation : Horizontal
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	50 W
50°T - 70°T	100 W
70°T - 220°T	200 W
220°T - 240°T	100 W
240°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.29

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Lithgow (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85017

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 234740 6290100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 618.198 MHz (Ch.41)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	300 W
135°T - 220°T	150 W
220°T - 360°T	300 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.30

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Mudgee (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85020

Transmitter Site :-

Nominal location : Translator Site Endicott Hill (Lower Mount Misery)
Near MUDGEE

Australian Map Grid : Zone Easting Northing
Reference 55 740615 6388856

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.25 MHz (Ch.64)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	130 W
100°T - 340°T	65 W
340°T - 360°T	130 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.31

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Narooma (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85027

Transmitter Site :-

Nominal location : NTA Site BUCKERIDGE LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 56 237700 5990300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 618.25 MHz (Ch.41)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	4 kW

Attachment 4.32

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Nowra North (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85037

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 618.198 MHz (Ch.41)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 10°T	320 W
10°T - 25°T	800 W
25°T - 40°T	1.6 kW
40°T - 95°T	3.2 kW
95°T - 135°T	1.6 kW
135°T - 245°T	630 W
245°T - 360°T	320 W

Attachment 4.35

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Portland/Wallerawang (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85016

Transmitter Site :-

Nominal location : GARLANDS HILL
Australian Map Grid : Zone Easting Northing
Reference 55 774040 6299740
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.25 MHz (Ch.63)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	2 kW
20°T - 125°T	4 kW
125°T - 360°T	2 kW

Attachment 4.36

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Stanwell Park (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85030

Transmitter Site :-

Nominal location : Bald Hill STANWELL TOPS
Australian Map Grid : Zone Easting Northing
Reference 56 315190 6211040
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 625.224 MHz (Ch.42)
Polarisation : Horizontal
Maximum antenna height : 9 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	4 W
180°T - 195°T	20 W
195°T - 265°T	40 W
265°T - 280°T	20 W
280°T - 360°T	4 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.37

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : SW Slopes/E Riverina (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85033

Transmitter Site :-

Nominal location : TV Transmitter MT ULANDRA
Australian Map Grid : Zone Easting Northing
Reference 55 582311 6146329
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 576.25 MHz (Ch.35)
Polarisation : Horizontal
Maximum antenna height : 165 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1.6 MW

Attachment 4.38

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Thredbo (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85007

Transmitter Site :-

Nominal location : Eagles Nest Restaurant MT CRACKENBACK
Australian Map Grid : Zone Easting Northing
Reference 55 615200 5960400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 611.25 MHz (Ch.40)
Polarisation : Horizontal
Maximum antenna height : 5 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 93°T	20 W
93°T - 108°T	40 W
108°T - 178°T	80 W
178°T - 193°T	40 W
193°T - 360°T	20 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.39

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tuggeranong (ACT)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85008

Transmitter Site :-

Nominal location : Broadcast Site TUGGERANONG HILL
Australian Map Grid : Zone Easting Northing
Reference 55 691180 6074450
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.25 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	640 W
50°T - 275°T	200 W
275°T - 360°T	640 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.40

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tumut (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85039

Transmitter Site :-

Nominal location : Television Translator Webbs Hill TUMUT
Australian Map Grid : Zone Easting Northing
Reference 55 613300 6093600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.224 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	60 W
145°T - 305°T	130 W
305°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.42

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Ulladulla (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85032

Transmitter Site :-

Nominal location : Little Forest Trig MILTON
Australian Map Grid : Zone Easting Northing
Reference 56 258200 6092200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 646.198 MHz (Ch.45)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	20 kW
15°T - 30°T	40 kW
30°T - 200°T	80 kW
200°T - 215°T	40 kW
215°T - 230°T	20 kW
230°T - 360°T	8 kW

Attachment 4.43

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wagga Wagga (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85635

Transmitter Site :-

Nominal location : Capital TV Site Willans Hill WAGGA WAGGA
Australian Map Grid : Zone Easting Northing
Reference 55 533770 6112000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 786.224 MHz (Ch.65)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	400 W
50°T - 160°T	390 W
160°T - 180°T	200 W
180°T - 290°T	390 W
290°T - 360°T	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.44

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Weston Creek/Woden (ACT)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS10005578

Transmitter Site :-

Nominal location : Summit MT TAYLOR
Australian Map Grid : Zone Easting Northing
Reference 55 688500 6083500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 800.198 MHz (Ch.67)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 340°T	20 W
340°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 4.45

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wollongong (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85025

Transmitter Site :-

Nominal location : Broadcast Site Escarpment Road BROKERS NOSE
Australian Map Grid : Zone Easting Northing
Reference 56 304558 6194922
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 639.198 MHz (Ch.44)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	2 kW
15°T - 150°T	5 kW
150°T - 230°T	2 kW
230°T - 360°T	500 W

Attachment 4.46

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Young (NSW)
Service Licence Number : SL85

TECHNICAL SPECIFICATION - Television

Specification Number : TS85034

Transmitter Site :-

Nominal location : NTA Site Reservoir Hill YOUNG
Australian Map Grid : Zone Easting Northing
Reference 55 620100 6203900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.224 MHz (Ch.64)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 140°T	200 W
140°T - 310°T	400 W
310°T - 360°T	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Adelong (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99045

Transmitter Site :-

Nominal location : 3km ENE of ADELONG
Australian Map Grid : Zone Easting Northing
Reference 55 599400 6092400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.198 MHz (Ch.61)
Polarisation : Horizontal
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 208°T	25 W
208°T - 223°T	50 W
223°T - 293°T	100 W
293°T - 308°T	50 W
308°T - 360°T	25 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.3

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Batemans Bay/Moruya (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99006

Transmitter Site :-

Nominal location : South Site MT WANDERA
Australian Map Grid : Zone Easting Northing
Reference 56 229280 6034340
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 216.25 MHz (Ch.11)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 10°T	200 W
10°T - 25°T	500 W
25°T - 40°T	1 kW
40°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 205°T	2 kW
205°T - 220°T	1 kW
220°T - 235°T	500 W
235°T - 360°T	200 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011646 in the event of unacceptable interference from Batemans Bay/Moruya WIN10 digital television service.

Attachment 5.3.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Batemans Bay/Moruya (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011646

Transmitter Site :-

Nominal location : South Site MT WANDERA
Australian Map Grid : Zone Easting Northing
Reference 56 229280 6034340
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 217.25 MHz (Ch.11)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 10°T	200 W
10°T - 25°T	500 W
25°T - 40°T	1 kW
40°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 205°T	2 kW
205°T - 220°T	1 kW
220°T - 235°T	500 W
235°T - 360°T	200 W

Special Conditions :-

This technical specification will replace the technical specification TS99006 in the event of unacceptable interference from Batemans Bay/Moruya WIN10 digital television service.

Attachment 5.4

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bathurst (NSW)

Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99020

Transmitter Site :-

Nominal location : Broadcast Site MOUNT PANORAMA
Australian Map Grid : Zone Easting Northing
Reference 55 736663 6294802
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 695.224 MHz (Ch.52)
Polarisation : Vertical
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 340°T	800 W
340°T - 360°T	2 kW

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.6

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bega (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99005

Transmitter Site :-

Nominal location : MUMBULLA MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 756450 5951600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band III - TV
Carrier Frequency : 175.25 MHz (Ch.6)
Polarisation : Horizontal
Maximum antenna height : 27 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 56°T	790 W
56°T - 170°T	600 W
115°T - 115°T	480 W
170°T - 263°T	1.3 kW
210°T - 210°T	1.2 kW
263°T - 330°T	600 W
330°T - 360°T	790 W

Attachment 5.7

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bombala (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99012

Transmitter Site :-

Nominal location : 7km NNW of BOMBALA
Australian Map Grid : Zone Easting Northing
Reference 55 697500 5919300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.25 MHz (Ch.61)
Polarisation : Vertical
Maximum antenna height : 25 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	4 kW
60°T - 270°T	12 kW
270°T - 360°T	4 kW

Attachment 5.8

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Bowral/Mittagong (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99009

Transmitter Site :-

Nominal location : Council/Television Tower 100 Metres North of
Gibraltar Trig Point Mount Gibraltar via
MITTAGONG

Australian Map Grid : Zone Easting Northing
Reference 56 263670 6183150

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 604.25 MHz (Ch.39)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 140°T	1 kW
140°T - 155°T	2 kW
155°T - 275°T	4 kW
275°T - 290°T	2 kW
290°T - 330°T	1 kW
330°T - 360°T	2 kW

Attachment 5.9

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Braidwood (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99035

Transmitter Site :-

Nominal location : NTA Site MT GILLAMATONG
Australian Map Grid : Zone Easting Northing
Reference 55 751400 6072800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.198 MHz (Ch.63)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	480 W

Attachment 5.10

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Canberra (ACT)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99011

Transmitter Site :-

Nominal location : Telecom Tower BLACK MOUNTAIN
Australian Map Grid : Zone Easting Northing
Reference 55 690683 6094201
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 548.198 MHz (Ch.31)
Polarisation : Horizontal
Maximum antenna height : 177 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	600 kW

Attachment 5.12

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Central Tablelands (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99019

Transmitter Site :-

Nominal location : MT CANOBOLAS
Australian Map Grid : Zone Easting Northing
Reference 55 684500 6308800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 604.224 MHz (Ch.39)
Polarisation : Horizontal
Maximum antenna height : 171 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 30°T	2 MW
30°T - 190°T	600 kW
190°T - 240°T	2 MW
240°T - 340°T	2 MW
340°T - 360°T	2 MW

Attachment 5.13

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Central Western Slopes (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99026

Transmitter Site :-

Nominal location : MT CENN CRUAICH
Australian Map Grid : Zone Easting Northing
Reference 55 692298 6530496
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 555.198 MHz (Ch.32)
Polarisation : Horizontal
Maximum antenna height : 150 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	300 kW
130°T - 270°T	1 MW
270°T - 360°T	300 kW

Attachment 5.15

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Condobolin (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99021

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill 1km NE of
CONDOBLIN

Australian Map Grid : Zone Easting Northing
Reference 55 514500 6339800

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 765.224 MHz (Ch.62)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	100 W
130°T - 290°T	200 W
290°T - 360°T	100 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.16

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Coolah (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99037

Transmitter Site :-

Nominal location : Prime Television Site Queensborough Near COOLAH
Australian Map Grid : Zone Easting Northing
Reference 55 758100 6481000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 765.224 MHz (Ch.62)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 145°T	120 W
145°T - 215°T	240 W
215°T - 230°T	120 W
230°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.17

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cooma Town (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99018

Transmitter Site :-

Nominal location : Radio Terminal COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692434 5987661
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 765.198 MHz (Ch.62)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.18

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cooma/Monaro (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99013

Transmitter Site :-

Nominal location : Ten Capital Broadcasting Site MT ROBERTS
Australian Map Grid : Zone Easting Northing
Reference 55 682510 6015830
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 604.25 MHz (Ch.39)
Polarisation : Vertical
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 115°T	20 kW
115°T - 130°T	50 kW
130°T - 145°T	100 kW
145°T - 215°T	200 kW
215°T - 230°T	100 kW
230°T - 245°T	50 kW
245°T - 360°T	20 kW

Attachment 5.19

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Cowra (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99043

Transmitter Site :-

Nominal location : BELLEVUE HILL LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 55 656700 6255302
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.198 MHz (Ch.57)
Polarisation : Horizontal
Maximum antenna height : 31 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	60 W
20°T - 90°T	15 W
90°T - 360°T	60 W

Attachment 5.20

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Dubbo (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99030

Transmitter Site :-

Nominal location : Dubbo City Council Hut Buninyong Hill Near DUBBO
Australian Map Grid : Zone Easting Northing
Reference 55 658000 6431900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.25 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 210°T	2.5 kW
210°T - 225°T	5 kW
225°T - 295°T	10 kW
295°T - 310°T	5 kW
310°T - 360°T	2.5 kW

Attachment 5.22

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Eden (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS10009588

Transmitter Site :-

Nominal location : BIMMIL HILL
Australian Map Grid : Zone Easting Northing
Reference 55 757040 5899790
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.198 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	4 kW
20°T - 35°T	2 kW
35°T - 50°T	1 kW
50°T - 130°T	400 W
130°T - 145°T	1 kW
145°T - 215°T	2 kW
215°T - 230°T	1 kW
230°T - 280°T	500 W
280°T - 295°T	1 kW
295°T - 310°T	2 kW
310°T - 360°T	4 kW

Attachment 5.24

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Goulburn (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99014

Transmitter Site :-

Nominal location : Win TV Tower MT Gray via GOULBURN
Australian Map Grid : Zone Easting Northing
Reference 55 752800 6150200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.25 MHz (Ch.61)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 240°T	500 W
240°T - 350°T	1 kW
350°T - 360°T	500 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.25

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Illawarra (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99001

Transmitter Site :-

Nominal location : WIN Television Site KNIGHTS HILL
Australian Map Grid : Zone Easting Northing
Reference 56 288780 6166690
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 744.198 MHz (Ch.59)
Polarisation : Horizontal
Maximum antenna height : 90 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 90°T	950 kW
90°T - 160°T	480 kW
160°T - 270°T	950 kW
270°T - 340°T	480 kW
340°T - 360°T	950 kW

Attachment 5.26

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Jindabyne (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99015

Transmitter Site :-

Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 730.224 MHz (Ch.57)
Polarisation : Horizontal
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 220°T	200 W
220°T - 355°T	400 W
355°T - 360°T	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.27

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Kandos (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99022

Transmitter Site :-

Nominal location : Broadcast Site BALDY PEAK
Australian Map Grid : Zone Easting Northing
Reference 55 779619 6358771
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.198 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	300 W
15°T - 30°T	150 W
30°T - 255°T	60 W
255°T - 270°T	150 W
270°T - 285°T	300 W
285°T - 360°T	600 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.28

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Lithgow East (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99025

Transmitter Site :-

Nominal location : Morts Estate LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 236200 6292800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 779.224 MHz (Ch.64)
Polarisation : Horizontal
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	50 W
50°T - 70°T	100 W
70°T - 220°T	200 W
220°T - 240°T	100 W
240°T - 360°T	50 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.29

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Lithgow (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99024

Transmitter Site :-

Nominal location : Broadcast Site Reservoir Hill LITHGOW
Australian Map Grid : Zone Easting Northing
Reference 56 234740 6290100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 639.198 MHz (Ch.44)
Polarisation : Horizontal
Maximum antenna height : 18 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 135°T	300 W
135°T - 220°T	150 W
220°T - 360°T	300 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.30

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Mudgee (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99027

Transmitter Site :-

Nominal location : Translator Site Endicott Hill (Lower Mount Misery)
Near MUDGEE

Australian Map Grid : Zone Easting Northing
Reference 55 740615 6388856

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.25 MHz (Ch.61)
Polarisation : Vertical
Maximum antenna height : 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	130 W
100°T - 340°T	65 W
340°T - 360°T	130 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.31

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Narooma (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99004

Transmitter Site :-

Nominal location : NTA Site BUCKERIDGE LOOKOUT
Australian Map Grid : Zone Easting Northing
Reference 56 237700 5990300
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band II - TV
Carrier Frequency : 86.26 MHz (Ch.3)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	250 W
15°T - 30°T	500 W
30°T - 80°T	1 kW
80°T - 210°T	400 W
210°T - 235°T	250 W
235°T - 360°T	100 W

Attachment 5.32

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Nowra North (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99036

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 576.198 MHz (Ch.35)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 65°T	320 W
65°T - 95°T	3.2 kW
95°T - 135°T	1.6 kW
135°T - 245°T	630 W
245°T - 360°T	320 W

Special Conditions :-

This technical specification will be replaced by the technical specification TS10011158 in the event of unacceptable interference from Sydney unassigned channel 35 digital television service.

Attachment 5.32.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Nowra North (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011158

Transmitter Site :-

Nominal location : Cambewarra Lookout Cambewarra Mountain via
BOMADERRY

Australian Map Grid : Zone Easting Northing
Reference 56 278250 6146240

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.198 MHz (Ch.60)
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	400 W
40°T - 50°T	1 kW
50°T - 65°T	2 kW
65°T - 125°T	4 kW
125°T - 140°T	2 kW
140°T - 245°T	1 kW
245°T - 360°T	400 W

Special Conditions :-

This technical specification will replace the technical specification TS99036 in the event of unacceptable interference from Sydney unassigned channel 35 digital television service.

Attachment 5.33

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Nyngan (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99029

Transmitter Site :-

Nominal location : Broadcast tower 3km S of NYNGAN
Australian Map Grid : Zone Easting Northing
Reference 55 517100 6505000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.25 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 60 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 35°T	160 W
35°T - 45°T	80 W
45°T - 345°T	40 W
345°T - 355°T	80 W
355°T - 360°T	160 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.35

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Portland/Wallerawang (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99023

Transmitter Site :-

Nominal location : GARLANDS HILL
Australian Map Grid : Zone Easting Northing
Reference 55 774040 6299740
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.25 MHz (Ch.66)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 20°T	2 kW
20°T - 125°T	4 kW
125°T - 360°T	2 kW

Attachment 5.36

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Stanwell Park (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99007

Transmitter Site :-

Nominal location : Bald Hill STANWELL TOPS
Australian Map Grid : Zone Easting Northing
Reference 56 315190 6211040
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 604.224 MHz (Ch.39)
Polarisation : Horizontal
Maximum antenna height : 9 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	4 W
180°T - 195°T	20 W
195°T - 265°T	40 W
265°T - 280°T	20 W
280°T - 360°T	4 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.37

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : SW Slopes/E Riverina (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99031

Transmitter Site :-

Nominal location : TV Transmitter MT ULANDRA
Australian Map Grid : Zone Easting Northing
Reference 55 582311 6146329
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band IV - TV
Carrier Frequency : 555.25 MHz (Ch.32)
Polarisation : Horizontal
Maximum antenna height : 165 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1.6 MW

Attachment 5.38

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Thredbo (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99016

Transmitter Site :-

Nominal location : Eagles Nest Restaurant MT CRACKENBACK
Australian Map Grid : Zone Easting Northing
Reference 55 615200 5960400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 632.198 MHz (Ch.43)
Polarisation : Horizontal
Maximum antenna height : 5 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 93°T	20 W
93°T - 108°T	40 W
108°T - 178°T	80 W
178°T - 193°T	40 W
193°T - 360°T	20 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.39

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tuggeranong (ACT)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99017

Transmitter Site :-

Nominal location : Broadcast Site TUGGERANONG HILL
Australian Map Grid : Zone Easting Northing
Reference 55 691180 6074450
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 793.25 MHz (Ch.66)
Polarisation : Horizontal
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	640 W
50°T - 275°T	200 W
275°T - 360°T	640 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.40

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Tumut (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99039

Transmitter Site :-

Nominal location : Television Translator Webbs Hill TUMUT
Australian Map Grid : Zone Easting Northing
Reference 55 613300 6093600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.224 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 23 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	60 W
145°T - 305°T	130 W
305°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.42

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Ulladulla (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99010

Transmitter Site :-

Nominal location : Little Forest Trig MILTON
Australian Map Grid : Zone Easting Northing
Reference 56 258200 6092200
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 625.198 MHz (Ch.42)
Polarisation : Vertical
Maximum antenna height : 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	20 kW
15°T - 30°T	40 kW
30°T - 200°T	80 kW
200°T - 215°T	40 kW
215°T - 230°T	20 kW
230°T - 360°T	8 kW

Attachment 5.43

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wagga Wagga (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99033

Transmitter Site :-

Nominal location : Capital TV Site Willans Hill WAGGA WAGGA
Australian Map Grid : Zone Easting Northing
Reference 55 533770 6112000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 765.224 MHz (Ch.62)
Polarisation : Horizontal
Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	400 W
50°T - 160°T	390 W
160°T - 180°T	200 W
180°T - 290°T	390 W
290°T - 360°T	400 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.44

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Weston Creek/Woden (ACT)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99038

Transmitter Site :-

Nominal location : Summit MT TAYLOR
Australian Map Grid : Zone Easting Northing
Reference 55 688500 6083500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.198 MHz (Ch.61)
Polarisation : Horizontal
Maximum antenna height : 22 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	60 W
130°T - 340°T	20 W
340°T - 360°T	60 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 5.45

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wollongong (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99002

Transmitter Site :-

Nominal location : Broadcast Site Escarpment Road BROKERS NOSE
Australian Map Grid : Zone Easting Northing
Reference 56 304558 6194922
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF Band II - TV
Carrier Frequency : 86.26 MHz (Ch.3)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 145°T	500 W
145°T - 165°T	2 kW
165°T - 250°T	8 kW
250°T - 270°T	2 kW
270°T - 360°T	500 W

Attachment 5.45.1

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Wollongong (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99602

Transmitter Site :-

Nominal location : Broadcast Site Escarpment Road BROKERS NOSE
Australian Map Grid : Zone Easting Northing
Reference 56 304558 6194922
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 618.224 MHz (Ch.41)
Polarisation : Horizontal
Maximum antenna height : 45 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 15°T	2 kW
15°T - 150°T	5 kW
150°T - 230°T	2 kW
230°T - 360°T	500 W

Attachment 5.46

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Commercial
General Area Served : Young (NSW)
Service Licence Number : SL99

TECHNICAL SPECIFICATION - Television

Specification Number : TS99032

Transmitter Site :-

Nominal location : NTA Site Reservoir Hill YOUNG
Australian Map Grid : Zone Easting Northing
Reference 55 620100 6203900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 758.224 MHz (Ch.61)
Polarisation : Horizontal

Maximum antenna height : 35 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 140°T	200 W
140°T - 310°T	400 W
310°T - 360°T	200 W

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Attachment 6.26

LICENCE AREA PLAN : Southern NSW Analog Television - October 2003

Category : Open Narrowcasting
General Area Served : Jindabyne (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10011199

Transmitter Site :-

Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 751.224 MHz (Ch.60)
Polarisation : Horizontal
Maximum antenna height : 50 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 220°T	100 W
220°T - 355°T	200 W
355°T - 360°T	100 W

Special Conditions :-

The 'coverage radius' of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 649200; Northing: 5970100. This point is the same as the nominal transmitter site.

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 76 dBuV/m against interference from other broadcasting services.

Notes to Licence Area – Southern NSW Analog Television – October 2003

Note 1

The *Licence Area Plan – Southern NSW Analog Television – October 2003* (in force under the *Broadcasting Services Act 1992*) as shown in this compilation comprises the principal instrument amended as indicated in the Tables below.

Table of Instruments

Year	Date of notification in Gazette or registration	Date of commencement	Application, saving or transitional provisions
Licence Area Plan – Southern NSW Analog Television – October 2003	06/07/2005 F2005B01595	23/10/2003	
Licence Area Plans – Omnibus Variation 2010	04/01/2011 F2011L00012	05/01/2011	

Table of Amendments

ad. = added or inserted am. = amended rep. = repealed rs. = repealed and
substituted

Provision affected	How affected
Attachment A	am. var. 2010.