

Variation to Licence Area Plan – Atherton Radio – No.1 of 2012

1. Enabling legislation

The Australian Communications and Media Authority makes this instrument under subsection 26(2) of the *Broadcasting Services Act 1992*.

2. Name of Instrument

This instrument is the *Variation to Licence Area Plan – Atherton Radio – No.1 of 2012*.

3. Commencement

This instrument commences the day after it is registered.

Note: An instrument is registered when it is recorded on the Federal Register of Legislative Instruments (FRLI) in electronic form: see the *Legislative Instruments Act 2003*, s4 (definition of register). The FRLI may be accessed at <http://www.comlaw.gov.au>

4. Variation

The *Licence Area Plan – Atherton Radio – November 1997* determined by the Australian Broadcasting Authority on 27 November 1997 is varied as follows:

- (a) rename the instrument as “Licence Area Plan – Atherton Radio”;
- (b) amend the heading on the title page so that it reads “Licence Area Plan – Atherton Radio”;
- (c) on page one:
 - (i) amend the heading so that it reads “Licence Area Plan – Atherton Radio”; and
 - (ii) omit the sub-heading “Determination”;
 - (iii) omit the three paragraphs of text and substitute the following clauses:
 - “(1) This plan for radio broadcasting services in the Atherton area of northern Queensland is made under subsection 26(1) of the *Broadcasting Services Act 1992*.
 - (2) Eight national radio broadcasting services, two commercial radio broadcasting services and two open narrowcasting radio services are to be available in the Atherton area described at

Attachment 1.1 to this plan 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 1.1 are set out in the Schedule and Attachments 1.2 - 1.17 to this plan.

- (3) One community service is to be available in the Mareeba area described at Attachment 2.1 to this plan with the use of the broadcasting services bands. The characteristics, including technical specifications, of the service that is to be available in the area described at Attachment 2.1 are set out in the Schedule and Attachment 2.2 to this plan.
 - (4) A reference in this plan to a schedule or an attachment includes reference to a schedule or attachment as amended from time to time.”
- (d) immediately before Schedule One:
- (i) omit the heading “SCHEDULE”; and
 - (ii) omit the words “The Schedule sets out” and all six paragraphs marked with dot points that follow;
- (e) omit all Schedules and substitute all Schedules of this instrument;
- (f) omit all Attachments and substitute all Attachments of this instrument.

The Common Seal of the Australian
Communications and Media Authority
was affixed to this document in the
presence of:

[signed]

Signature of Member

RICHARD LANCELOT BEAN

Name (Please Print)

[signed]

Signature of Member/General
Manager

GILES TANNER

Name (Please Print)

Dated this 20th day of April 2012.

Schedule One

Licence Area Plan : Atherton Radio

Licence Area : ATHERTON RA1

Service Category	Channel/ Frequency	Service Licence No	Transmitter Specification No	Attach No	Area Served
National	720 kHz	N/A	TS10007490	1.6	Atherton
National	93.3 MHz	N/A	TS10007493	1.7	Dimbulah
National	91.7 MHz	N/A	TS10007494	1.8	Dimbulah
National	93.1 MHz	N/A	TS10007495	1.9	Herberton
National	97.3 MHz	N/A	TS10007496	1.10	Mount Molloy
National	95.7 MHz	N/A	TS10007502	1.11	Mount Molloy
National	93.7 MHz	N/A	TS10007505	1.12	Ravenshoe
National	92.9 MHz	N/A	TS10007506	1.13	Ravenshoe
Commercial	558 kHz	SL4167	TS10007491	1.2	Atherton
	1422 kHz	SL4167	TS10007492	1.3	Port Douglas
	91.3 MHz	SL4167	TS1133574	1.17	Ravenshoe
Commercial	97.9 MHz	SL1150016	TS10007503	1.4	Atherton
	93.3 MHz	SL1150016	TS10007504	1.5	Mossman
	92.1 MHz	SL1150016	TS10013397	1.16	Ravenshoe
Open Narrowcasting	88.7 MHz	N/A	TS10007660	1.14	Atherton
Open Narrowcasting	99.1 MHz	N/A	TS10007733	1.15	Atherton

Schedule Two

Licence Area Plan : Atherton Radio

Licence Area : MAREEBA RA1

Service Category	Channel/ Frequency	Service Licence No	Transmitter Specification No	Attach No	Area Served
Community	92.3 MHz	SL1150031	TS10008122	2.2	Mareeba

Licence Area - ATHERTON RA1**Licence Area ID - 445****Commercial Radio Service Licence numbers: SL4167, SL1150016**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the census of 8 August 2006, is:

Area Description	Area Description
Atherton (S) (LGA)	QLD CD 030210
QLD CD 010805	QLD CD 030301
QLD CD 010806	QLD CD 030305
QLD CD 010901	QLD CD 030306
QLD CD 010902	QLD CD 030307
QLD CD 010903	QLD CD 030308
QLD CD 010904	QLD CD 030309
QLD CD 010905	QLD CD 030310
QLD CD 010906	QLD CD 030315
QLD CD 010907	QLD CD 030319
QLD CD 010909	QLD CD 030320
QLD CD 010910	QLD CD 030321
QLD CD 010911	QLD CD 030322
QLD CD 010912	QLD CD 030323
QLD CD 010913	QLD CD 030401
QLD CD 010914	QLD CD 030402
QLD CD 010915	QLD CD 030403
QLD CD 010916	QLD CD 030404
QLD CD 010918	QLD CD 030405
QLD CD 010919	QLD CD 030406
QLD CD 010920	QLD CD 030407
QLD CD 010921	QLD CD 030408
QLD CD 010922	QLD CD 030409
QLD CD 010923	QLD CD 030410
QLD CD 010924	QLD CD 030411
QLD CD 010925	QLD CD 030412
QLD CD 012001	QLD CD 030701
QLD CD 012009	QLD CD 030702
QLD CD 012010	QLD CD 030703
QLD CD 030202	QLD CD 030705
QLD CD 030203	QLD CD 030706
QLD CD 030204	QLD CD 030707
QLD CD 030207	QLD CD 030709
QLD CD 030208	QLD CD 030711
QLD CD 030209	QLD CD 030712

Area Description
QLD CD 030713
QLD CD 030714
QLD CD 030715
QLD CD 030716
QLD CD 030717
QLD CD 030801
QLD CD 030802
QLD CD 030803

Area Description
QLD CD 030806
QLD CD 030807
QLD CD 030809
QLD CD 030810
QLD CD 030811
QLD CD 030812
QLD CD 030813

Note:

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(CD) = Collection District

(S) = Shire

LICENCE AREA PLAN : Atherton Radio

Category : Commercial

General Area Served : Atherton (QLD)

Service Licence Number : SL4167

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10007491

Transmitter Site :-

Nominal location : Broadcast Site Cobra Creek 6 km SE of MAREEBA

Australian Map Grid : Zone Easting Northing
Reference 55 337902 8116998

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode MF-AM

Carrier Frequency : 558 kHz

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Elevation	Maximum CMF
0°T - 0°T	0	1.03 kV
10°T - 10°T	0	780 V
20°T - 20°T	0	425 V
30°T - 30°T	0	135 V
40°T - 40°T	0	390 V
50°T - 50°T	0	660 V
60°T - 60°T	0	850 V
70°T - 70°T	0	960 V
80°T - 80°T	0	1.015 kV
90°T - 90°T	0	1.03 kV
100°T - 100°T	0	1.015 kV
110°T - 110°T	0	960 V
120°T - 120°T	0	850 V
130°T - 130°T	0	660 V
140°T - 140°T	0	390 V
150°T - 150°T	0	135 V
160°T - 160°T	0	425 V
170°T - 170°T	0	780 V

180°T - 180°T	0	1.03 kV
190°T - 190°T	0	1.11 kV
200°T - 200°T	0	1.02 kV
210°T - 210°T	0	790 V
220°T - 220°T	0	500 V
230°T - 230°T	0	220 V
240°T - 240°T	0	160 V
250°T - 250°T	0	305 V
260°T - 260°T	0	410 V
270°T - 270°T	0	445 V
280°T - 280°T	0	410 V
290°T - 290°T	0	305 V
300°T - 300°T	0	160 V
310°T - 310°T	0	220 V
320°T - 320°T	0	500 V
330°T - 330°T	0	790 V
340°T - 340°T	0	1.02 kV
350°T - 350°T	0	1.11 kV

LICENCE AREA PLAN : Atherton Radio

Category : Commercial

General Area Served : Port Douglas (QLD)

Service Licence Number : SL4167

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10007492

Transmitter Site :-

Nominal location : Broadcast Site ISLAND POINT

Australian Map Grid : Zone Easting Northing
Reference 55 336301 8176898

Site Tolerance : Refer to *Broadcasting Services
(Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode MF-AM

Carrier Frequency : 1422 kHz

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Elevation	Maximum CMF
0°T - 0°T	0	140 V
10°T - 10°T	0	100 V
20°T - 20°T	0	75 V
25°T - 65°T	0	65 V
70°T - 70°T	0	75 V
80°T - 80°T	0	100 V
90°T - 90°T	0	140 V
95°T - 95°T	0	160 V
100°T - 100°T	0	190 V
110°T - 110°T	0	240 V
120°T - 120°T	0	300 V
130°T - 130°T	0	340 V
140°T - 140°T	0	375 V
150°T - 185°T	0	410 V
190°T - 200°T	0	390 V
210°T - 240°T	0	365 V
250°T - 250°T	0	380 V
260°T - 260°T	0	390 V
270°T - 270°T	0	405 V

275°T - 300°T	0	410 V
310°T - 310°T	0	375 V
320°T - 320°T	0	340 V
330°T - 330°T	0	295 V
340°T - 340°T	0	240 V
350°T - 350°T	0	190 V

LICENCE AREA PLAN : Atherton Radio

Category : Commercial

General Area Served : Atherton (QLD)

Service Licence Number : SL1150016

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10007503

Transmitter Site :-

Nominal location : Broadcast Site Bones Knob TOLGA

Australian Map Grid :	Zone	Easting	Northing
Reference	55	334500	8095600

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 97.9 MHz

Polarisation Mixed

Maximum antenna height 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	5 kW
180°T - 270°T	1 kW
270°T - 360°T	5 kW

LICENCE AREA PLAN : Atherton Radio

Category : Commercial

General Area Served : Mossman (QLD)

Service Licence Number : SL1150016

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10007504

Transmitter Site :-

Nominal location : Broadcast Site NEWELL BEACH

Australian Map Grid : Zone Easting Northing
Reference 55 327503 8182197

Site Tolerance : Refer to *Broadcasting Services
(Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 93.3 MHz

Polarisation Mixed

Maximum antenna height 40 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1 kW

LICENCE AREA PLAN : Atherton Radio

Category : National

General Area Served : Atherton (QLD)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10007490

Transmitter Site :-

Nominal location : Broadcast Site 3.8 km SW of Yungaburra
ATHERTON

Australian Map Grid : Zone Easting Northing
Reference 55 346400 8085400

Site Tolerance : Refer to *Broadcasting Services
(Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode MF-AM

Carrier Frequency : 720 kHz

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Elevation	Maximum CMF
At all angles of azimuth	0	630 V

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Dimbulah (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007493
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Transmitter Site :-

Nominal location :	Broadcast Site DIMBULAH		
Australian Map Grid : Reference	Zone 55	Easting 294400	Northing 8105200
Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>		

Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	93.3 MHz
Polarisation	Mixed
Maximum antenna height	17 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Dimbulah (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007494
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Transmitter Site :-

Nominal location :	Broadcast Site DIMBULAH		
Australian Map Grid : Reference	Zone 55	Easting 294400	Northing 8105200
Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>		

Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	91.7 MHz
Polarisation	Mixed
Maximum antenna height	17 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Herberton (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007495
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Transmitter Site :-

Nominal location :	Broadcast Site Jane St HERBERTON
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Australian Map Grid :	Zone	Easting	Northing
Reference	55	327800	8077900

Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>
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Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	93.1 MHz
Polarisation	Mixed
Maximum antenna height	48 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Mount Molloy (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007496
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Transmitter Site :-

Nominal location :	Broadcast Site 1km N of MT MOLLOY
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Australian Map Grid :	Zone	Easting	Northing
Reference	55	321074	8157228

Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>
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Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	97.3 MHz
Polarisation	Mixed
Maximum antenna height	70 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Mount Molloy (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007502
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Transmitter Site :-

Nominal location :	Broadcast Site 1km N of MT MOLLOY
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Australian Map Grid :	Zone	Easting	Northing
Reference	55	321074	8157228

Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>
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Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	95.7 MHz
Polarisation	Mixed
Maximum antenna height	70 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Ravenshoe (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007505
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Transmitter Site :-

Nominal location :	Broadcast Site 1km E of BALD ROCK
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Australian Map Grid :	Zone	Easting	Northing
Reference	55	337205	8052196

Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>
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Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	93.7 MHz
Polarisation	Mixed
Maximum antenna height	30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	25 W

LICENCE AREA PLAN : Atherton Radio

Category :	National
General Area Served :	Ravenshoe (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007506
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Transmitter Site :-

Nominal location :	Broadcast Site 1km E of BALD ROCK
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Australian Map Grid :	Zone	Easting	Northing
Reference	55	337205	8052196

Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>
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Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	92.9 MHz
Polarisation	Mixed
Maximum antenna height	30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	25 W

LICENCE AREA PLAN : Atherton Radio

Category :	Open Narrowcasting
General Area Served :	Atherton (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007660
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Transmitter Site :-

Nominal location :	Broadcast Site Bones Knob TOLGA		
Australian Map Grid : Reference	Zone	Easting	Northing
	55	334500	8095600
Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>		

Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	88.7 MHz
Polarisation	Mixed
Maximum antenna height	30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	2 kW
180°T - 270°T	400 W
270°T - 360°T	2 kW

Special Conditions :-

The 'coverage radii' of this transmission are: 5° to 20° 35km, 20° to 70° 25km, 70° to 170° 30km, 170° to 315° 5km, 315° to 340° 40km and 340° to 5° 60km measured from the nominal transmitter location (AMG co-ordinates: Zone 55; Easting 334500; Northing 8095600).

LICENCE AREA PLAN : Atherton Radio

Category :	Open Narrowcasting
General Area Served :	Atherton (QLD)
Service Licence Number :	Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number :	TS10007733
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Transmitter Site :-

Nominal location :	Broadcast Site Bones Knob TOLGA		
Australian Map Grid : Reference	Zone	Easting	Northing
	55	334500	8095600
Site Tolerance :	Refer to <i>Broadcasting Services (Technical Planning) Guidelines 2007</i>		

Emission :-

Frequency Band & Mode	VHF-FM
Carrier Frequency :	99.1 MHz
Polarisation	Mixed
Maximum antenna height	30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	2 kW
180°T - 270°T	400 W
270°T - 360°T	2 kW

Special Conditions :-

The 'coverage radii' of this transmission are: 5° to 20° 35 km, 20° to 70° 25 km, 70° to 170° 30 km, 170° to 315° 5 km, 315° to 340° 40 km and 340° to 5° 60 km measured from the nominal transmitter location (AMG co-ordinates: Zone 55; Easting 334500; Northing 8095600).

LICENCE AREA PLAN : Atherton Radio

Category : Commercial

General Area Served : Ravenshoe (QLD)

Service Licence Number : SL1150016

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10013397

Transmitter Site :-

Nominal location : Broadcast Site 1km E of BALD ROCK

Australian Map Grid :	Zone	Easting	Northing
Reference	55	337205	8052196

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 92.1 MHz

Polarisation Mixed

Maximum antenna height 15 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	250 W

Special Conditions :-

The service is interference limited, only field strength levels of 66dBuV/m and above will be protected from interference.

LICENCE AREA PLAN : Atherton Radio

Category : Commercial

General Area Served : Ravenshoe (QLD)

Service Licence Number : SL4167

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1133574

Transmitter Site :-

Nominal location : Kidner Contracting Pty Ltd Tumolin Road
RAVENSHOE

Australian Map Grid :	Zone	Easting	Northing
Reference	55	339022	8053580

Site Tolerance : Refer to *Broadcasting Services
(Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 91.3 MHz

Polarisation Mixed

Maximum antenna height 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	250 W

Special Conditions :-

The service is interference limited, only field strength levels of 66dBuV/m and above will be protected from interference.

Licence Area - MAREEBA RA1

Licence Area ID - 709

Community Radio Service Licence numbers: SL1150031

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the census of 8 August 2006, is:

Area Description
QLD CD 030401
QLD CD 030402
QLD CD 030403
QLD CD 030404
QLD CD 030405
QLD CD 030406
QLD CD 030407
QLD CD 030408
QLD CD 030409
QLD CD 030410
QLD CD 030411
QLD CD 030412

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

LICENCE AREA PLAN : Atherton Radio

Category : Community

General Area Served : Mareeba (QLD)

Service Licence Number : SL1150031

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008122

Transmitter Site :-

Nominal location : Broadcast Site 163 Byrnes St MAREEBA

Australian Map Grid :	Zone	Easting	Northing
Reference	55	331900	8120200

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 92.3 MHz

Polarisation Mixed

Maximum antenna height 20 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	300 W