# Licence Area Plan – Darwin Television

**1. Name of Instrument**

This instrument is the *Licence Area Plan – Darwin Television*.

**2. 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*](http://www.comlaw.gov.au/)

**3. Determination**

(1) This plan for television broadcasting services in the Darwin area of the Northern Territory is made under subsection 26(1) of the *Broadcasting Services Act 1992*.

(2) Two national television broadcasting services, two commercial television broadcasting services and one open narrowcasting television service are to be available in the 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 Schedule One and Attachments 1.2 to 1.12to this plan.

(3) A reference in this plan to a schedule or an attachment includes a reference to a schedule or attachment as amended from time to time.

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| The Common Seal of the Australian Communications and Media Authority was affixed to this document in the presence of: |  |  |
|  |  |  |
|  |  |  |
| *Chris Chapman* [signed] |  | *Richard Lancelot Bean* [signed] |
| Signature of Member |  | Signature of Member/~~General Manager~~ |
|  |  |  |
|  |  |  |
| Chris Chapman |  |  Richard Lancelot Bean |
| Name (Please Print) |  | Name (Please Print) |
|  |  |  |
|  |  |  |
| Dated this *21st*  day of *June*  2012. |

Schedule One

Licence Area Plan : Darwin Television

Licence Area : DARWIN TV1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service Category | Channel/ Frequency | Service Licence No | Transmitter Specification No | Attach No | Area Served |
| Commercial | 8 | SL10172 | TS10003364 | 1.2 | Darwin |
| 49 | SL10172 | TS1134053 | 1.3 | Darwin |
| 58 | SL10172 | TS10003365 | 1.4 | Darwin North |
| Commercial | 34 | SL10173 | TS10003366 | 1.5 | Darwin |
| 52 | SL10173 | TS10003367 | 1.6 | Darwin North |
| 63 | SL10173 | TS10003401 | 1.7 | Batchelor |
| National | 6 | N/A | TS10003368 | 1.8 | Darwin |
|  | 55 | N/A | TS10003371 | 1.9 | Darwin North |
| National | 28 | N/A | TS10003369 | 1.10 | Darwin |
|  | 61 | N/A | TS10003373 | 1.11 | Darwin North |
| Open Narrowcasting | 35 | N/A | TS1134419 | 1.12 | Darwin |

Attachment 1.1

Licence Area - DARWIN TV1

Licence Area ID - 962

Commercial TV Service Licence numbers: SL10172, SL10173

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

| Area Description |
| --- |
| Darwin (SD) |
| Belyuen (CGC) (LGA) |
| Cox Peninsula (CGC) (LGA) |
| Cox-Finniss (SLA) |
| NT CD 014202 |

Note:

Standard terminology used by the Australian Bureau of Statistics:

 (LGA) = Local Government Area

(SLA) = Statistical Local Area

(CGC) = Community Government Council

 (CD) = Collection District

 (SD) = Statistical Division

Attachment 1.2

LICENCE AREA PLAN : Darwin Television

Category : Commercial

General Area Served : Darwin (NT)

Service Licence Number : SL10172

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003364

Transmitter Site :-

Nominal location : Telstra Comms Site Blake Street DARWIN

Australian Map Grid : Zone Easting Northing
Reference 52 699497 8623000

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

Emission :-

Frequency Band & Mode : VHF Band III - TV

Carrier Frequency : 189.25 MHz (Ch.8)

Polarisation : Horizontal

Maximum antenna height : 76 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 130°T | 10 kW |
| 130°T - 200°T | 40 kW |
| 200°T - 360°T | 10 kW |

Attachment 1.3

LICENCE AREA PLAN : Darwin Television

Category : Commercial

General Area Served : Darwin (NT)

Service Licence Number : SL10172

TECHNICAL SPECIFICATION - Television

Specification Number : TS1134053

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100) Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band V - TV

Carrier Frequency : 674.25 MHz (Ch.49)

Polarisation : Horizontal

Maximum antenna height : 136 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 25°T | 750 W |
| 25°T - 65°T | 15 kW |
| 65°T - 80°T | 35 kW |
| 80°T - 95°T | 75 kW |
| 95°T - 315°T | 150 kW |
| 315°T - 330°T | 75 kW |
| 330°T - 345°T | 35 kW |
| 345°T - 355°T | 15 kW |
| 355°T - 360°T | 750 W |

Attachment 1.4

LICENCE AREA PLAN : Darwin Television

Category : Commercial

General Area Served : Darwin North (NT)

Service Licence Number : SL10172

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003365

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN

Australian Map Grid : Zone Easting Northing
Reference 52 700140 8621160

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

Emission :-

Frequency Band & Mode : UHF Band V - TV

Carrier Frequency : 737.25 MHz (Ch.58)

Polarisation : Horizontal

Maximum antenna height : 53 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 100°T | 2 kW |
| 100°T - 130°T | 1 kW |
| 130°T - 160°T | 500 W |
| 160°T - 240°T | 200 W |
| 240°T - 270°T | 500 W |
| 270°T - 300°T | 1 kW |
| 300°T - 360°T | 2 kW |

Attachment 1.5

LICENCE AREA PLAN : Darwin Television

Category : Commercial

General Area Served : Darwin (NT)

Service Licence Number : SL10173

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003366

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100) Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band IV - TV

Carrier Frequency : 569.25 MHz (Ch.34)

Polarisation : Horizontal

Maximum antenna height : 136 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 25°T | 750 W |
| 25°T - 65°T | 15 kW |
| 65°T - 80°T | 35 kW |
| 80°T - 95°T | 75 kW |
| 95°T - 315°T | 150 kW |
| 315°T - 330°T | 75 kW |
| 330°T - 345°T | 35 kW |
| 345°T - 355°T | 15 kW |
| 355°T - 360°T | 750 W |

Attachment 1.6

LICENCE AREA PLAN : Darwin Television

Category : Commercial

General Area Served : Darwin North (NT)

Service Licence Number : SL10173

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003367

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN

Australian Map Grid : Zone Easting Northing
Reference 52 700140 8621160

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

Emission :-

Frequency Band & Mode : UHF Band V - TV

Carrier Frequency : 695.25 MHz (Ch.52)

Polarisation : Horizontal

Maximum antenna height : 53 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 100°T | 2 kW |
| 100°T - 130°T | 1 kW |
| 130°T - 160°T | 500 W |
| 160°T - 240°T | 200 W |
| 240°T - 270°T | 500 W |
| 270°T - 300°T | 1 kW |
| 300°T - 360°T | 2 kW |

Attachment 1.7

LICENCE AREA PLAN : Darwin Television

Category : Commercial

General Area Served : Batchelor (NT)

Service Licence Number : SL10173

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003401

Transmitter Site :-

Nominal location : Broadcast Site Mardango Crescent BATCHELOR

Australian Map Grid : Zone Easting Northing
Reference 52 719776 8556935

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

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 |
| At all angles of azimuth | 50 W |

Attachment 1.8

LICENCE AREA PLAN : Darwin Television

Category : National

General Area Served : Darwin (NT)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003368

Transmitter Site :-

Nominal location : Telstra Comms Site Blake Street DARWIN

Australian Map Grid : Zone Easting Northing
Reference 52 699497 8623000

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

Emission :-

Frequency Band & Mode : VHF Band III - TV

Carrier Frequency : 175.25 MHz (Ch.6)

Polarisation : Horizontal

Maximum antenna height : 70 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 130°T | 30 kW |
| 130°T - 200°T | 85 kW |
| 200°T - 360°T | 30 kW |

Attachment 1.9

LICENCE AREA PLAN : Darwin Television

Category : National

General Area Served : Darwin North (NT)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003371

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN

Australian Map Grid : Zone Easting Northing
Reference 52 700140 8621160

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

Emission :-

Frequency Band & Mode : UHF Band V - TV

Carrier Frequency : 716.25 MHz (Ch.55)

Polarisation : Horizontal

Maximum antenna height : 53 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 100°T | 2 kW |
| 100°T - 130°T | 1 kW |
| 130°T - 160°T | 500 W |
| 160°T - 240°T | 200 W |
| 240°T - 270°T | 500 W |
| 270°T - 300°T | 1 kW |
| 300°T - 360°T | 2 kW |

 Attachment 1.10

LICENCE AREA PLAN : Darwin Television

Category : National

General Area Served : Darwin (NT)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003369

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100) Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band IV - TV

Carrier Frequency : 527.25 MHz (Ch.28)

Polarisation : Horizontal

Maximum antenna height : 136 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 25°T | 750 W |
| 25°T - 65°T | 15 kW |
| 65°T - 80°T | 35 kW |
| 80°T - 95°T | 75 kW |
| 95°T - 315°T | 150 kW |
| 315°T - 330°T | 75 kW |
| 330°T - 345°T | 35 kW |
| 345°T - 355°T | 15 kW |
| 355°T - 360°T | 750 W |

Attachment 1.11

LICENCE AREA PLAN : Darwin Television

Category : National

General Area Served : Darwin North (NT)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003373

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN

Australian Map Grid : Zone Easting Northing
Reference 52 700140 8621160

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

Emission :-

Frequency Band & Mode : UHF Band V - TV

Carrier Frequency : 758.25 MHz (Ch.61)

Polarisation : Horizontal

Maximum antenna height : 53 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 100°T | 2 kW |
| 100°T - 130°T | 1 kW |
| 130°T - 160°T | 500 W |
| 160°T - 240°T | 200 W |
| 240°T - 270°T | 500 W |
| 270°T - 300°T | 1 kW |
| 300°T - 360°T | 2 kW |

Attachment 1.12

LICENCE AREA PLAN : Darwin Television

Category : Open Narrowcasting

General Area Served : Darwin (NT)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION – Digital Television

Specification Number : TS1134419

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100) Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band V - TV

Centre Frequency : 578.5 MHz (Ch.35)

Polarisation : Horizontal

Nominal antenna height : 136 m

Output Radiation Pattern :-

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 25°T | 425 W |
| 25°T - 65°T | 8.5 kW |
| 65°T - 80°T | 20 kW |
| 80°T - 95°T | 42.5 kW |
| 95°T - 315°T | 85 kW |
| 315°T - 330°T | 42.5 kW |
| 330°T - 345°T | 20 kW |
| 345°T - 360°T | 8.5 kW |