

Variation to Licence Area Plan – Taree Radio – 2020 (No.1)

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

Dated: 13 November 2020

James Cameron

[signed]

Member

Cathy Rainsford

[signed]

~~Member~~/General Manager

Australian Communications and Media Authority

1 Name

 This is the *Variation to Licence Area Plan – Taree Radio – 2020 (No.1)*.

2 Commencement

 This instrument commences at the start of the day after the day it is registered on the Federal Register of Legislation.

Note: The Federal Register of Legislation may be accessed free of charge at [www.legislation.gov.au](http://www.legislation.gov.au).

3 Authority

 This instrument is made under subsection 26(2) of the *Broadcasting Services Act 1992*.

4 Variation

The *Licence Area Plan – Taree (Radio) – October 1998* (F2005B00630), is varied as follows:

1. rename the instrument as the “Licence Area Plan – Taree Radio”;
2. amend the heading on the title page so that it reads “Licence Area Plan – Taree Radio”;
3. immediately before the first paragraph of the instrument, omit the heading, substitute:

**LICENCE AREA PLAN – TAREE RADIO**

1. number the clauses of the instrument sequentially as clauses (1), (2), (3), (4) and (5);
2. omit clauses (1), (2), (3), (4) and (5), substitute:
3. This plan for broadcasting services in the Taree area of New South Wales is made under subsection 26(1) of the *Broadcasting Services Act 1992*.
4. Eight national radio broadcasting services, two commercial radio broadcasting services and two open narrowcasting radio services 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 1.15 to this plan.
5. Two community radio broadcasting services are to be available in the area described at Attachment 2.1 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 2.1 are set out in Schedule Two and Attachments 2.2 and 2.3 to this plan.
6. Two community radio broadcasting services are to be available in the area described at Attachment 3.1 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 3.1 are set out in Schedule Three and Attachments 3.2 and 3.3 to this plan.
7. One community radio broadcasting service is to be available in the area described at Attachment 4.1 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 4.1 are set out in Schedule Four and Attachment 4.2 to this plan.
8. after clause (5), omit “(Determined by the Australian Broadcasting Authority on 8 October 1998)”, insert:
9. One community broadcasting service is to be available in the area described at Attachment 5.1 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 5.1 are set out in Schedule Five and Attachment 5.2 to this plan.
10. In this plan, unless the contrary intention, appears:
11. a reference to a schedule or an attachment is a reference to a schedule or an attachment to this plan;
12. a reference to the *Broadcasting Services (Technical Planning) Guidelines 2017* is a reference to that instrument as in force from time to time;
13. a reference to any other legislative instrument is a reference to that other instrument as in force from time to time; and
14. a reference to any other kind of instrument or writing is a reference to that other kind of instrument or writing as in force or in existence at the time the reference was included in this plan.

Note1: For references to Commonwealth Acts, see section 10 of the *Acts Interpretation Act 1901;* and see also subsection 13(1) of the *Legislation Act 2003* for the application of the *Acts Interpretation Act 1901* to legislative instruments.

Note 2: All Commonwealth Acts and legislative instruments are registered on the Federal Register of Legislation.

1. omit all the text on the page with the heading “SCHEDULES”;
2. omit all Schedules, substitute with Schedules One, Two, Three, Four and Five at Schedule 1 to this instrument;
3. omit all of the text that appears below Schedule Four but before Attachment 1.1;
4. omit all Attachments, substitute with Attachments 1.1 to 5.2 at Schedule 2 to this instrument.

**Schedule 1**

(paragraph 4(h))

**SCHEDULE ONELicence Area Plan: Taree Radio**

**Licence Area - TAREE RA1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Service Category**  | **Frequency**  | **Service Licence No** | **Technical Specification No** | **Attach No** | **Area Served** |
| National  | 756 kHz | N/A | TS4020001 | 1.2 | Taree |
| National  | 95.5 MHz | N/A | TS2044002 | 1.3 | Manning River |
| National  | 96.3 MHz | N/A | TS7360001 | 1.4 | Manning River |
| National  | 97.1 MHz | N/A | TS6300001 | 1.5 | Manning River |
| National  | 98.7 MHz | N/A | TS3102601 | 1.6 | Manning River |
| National  | 94.7 MHz | N/A | TS1131098 | 1.6A | Manning River |
| National  | 100.9 MHz | N/A | TS5045002 | 1.7 | Gloucester |
| National  | 102.5 MHz | N/A | TS6300002 | 1.8 | Gloucester |
| Commercial  | 1557 kHz | SL4131 | TS4131001 | 1.9 | Taree |
|  | 88.9 MHz | SL4131 | TS12000136 | 1.9A | Taree |
|  | 100.3 MHz | SL4131 | TS4131003 | 1.10 | Forster |
|  | 100.1 MHz100.3 MHz | SL4131SL4131 | TS4131002TS12000748 | 1.111.11A | GloucesterHannam Vale |
| Commercial  | 107.3 MHz | SL10326 | TS10004938 | 1.12 | Taree |
|  | 103.3 MHz101.1 MHz | SL10326SL10326 | TS10004971TS12000765 | 1.131.13A | GloucesterHannam Vale |
| Open Narrowcasting  | 105.7 MHz | N/A | TS10007773 | 1.14 | Taree |
| Open Narrowcasting  | 99.3 MHz | N/A | TS10008591 | 1.15 | Gloucester |

SCHEDULE TWO

**Licence Area Plan: Taree Radio**

**Licence Area - TAREE RA2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service Category | Frequency | Service Licence No | Transmitter Specification No | Attach No | Area Served |
| Community | 104.7 MHz | SL1823 | TS10008623 | 2.2 | Taree |
| Community | 101.3 MHz | SL1823 | TS10008658 | 2.3 | Elands |

SCHEDULE THREE

**Licence Area Plan: Taree Radio**

**Licence Area: TAREE RA3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service Category  | Frequency | Service Licence No | Transmitter Specification No | Attach No | Area Served |
| Community  | 103.3 MHz | SL1150314 | TS10007771 | 3.2 | Taree |
| Community | 106.5 MHz | SL1180026 | TS12000591 | 3.3 | Taree |

SCHEDULE FOUR

**Licence Area Plan: Taree Radio**

**Licence Area: FORSTER RA1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service Category  | Frequency | Service Licence No | Transmitter Specification No | Attach No | Area Served |
| Community  | 101.5 MHz | SL1583 | TS1583001 | 4.2 | Forster |

**SCHEDULE FIVE**

**Licence Area Plan: Taree Radio**

**Licence Area: GLOUCESTER RA1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Service Category**  | **Frequency** | **Service Licence No** | **Transmitter Specification No** | **Attach No** | **Area Served** |
| Community | 104.1 MHz | SL1180030 | TS12000675 | 5.2 | Gloucester |

**Schedule 2**

(paragraph 4(j))

**Attachment 1.1**

Licence Area – TAREE RA1

**Commercial Radio Service Licence numbers: SL4131 and SL10326**

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

| Area Description |
| --- |
| NSW CD 1092602 |
| NSW CD 1092601 |
| NSW CD 1091304 |
| NSW CD 1091103 |
| NSW CD 1091306 |
| NSW CD 1092608 |
| NSW CD 1091101 |
| NSW CD 1091407 |
| NSW CD 1091211 |
| NSW CD 1091803 |
| NSW CD 1091104 |
| NSW CD 1091410 |
| NSW CD 1091302 |
| NSW CD 1091107 |
| NSW CD 1091603 |
| NSW CD 1110112 |
| NSW CD 1091409 |
| NSW CD 1091102 |
| NSW CD 1091509 |
| NSW CD 1092302 |
| NSW CD 1091610 |
| NSW CD 1110109 |
| NSW CD 1092307 |
| NSW CD 1091609 |
| NSW CD 1091602 |
| NSW CD 1092606 |
| NSW CD 1091805 |
| NSW CD 1091210 |
| NSW CD 1091802 |
| NSW CD 1091202 |
| NSW CD 1091503 |
| NSW CD 1091203 |
| NSW CD 1090910 |
| NSW CD 1091204 |
| NSW CD 1091611 |
| NSW CD 1091301 |
| NSW CD 1091510 |
| NSW CD 1091601 |
| NSW CD 1090905 |
| NSW CD 1091208 |
| NSW CD 1091112 |
| NSW CD 1091005 |
| NSW CD 1091106 |
| NSW CD 1092309 |
| NSW CD 1091303 |
| NSW CD 1091406 |
| NSW CD 1110111 |
| NSW CD 1092306 |
| NSW CD 1092404 |
| NSW CD 1091508 |
| NSW CD 1110110 |
| NSW CD 1092305 |
| NSW CD 1091111 |
| NSW CD 1091408 |
| NSW CD 1091808 |
| NSW CD 1091001 |
| NSW CD 1091512 |
| NSW CD 1091307 |
| NSW CD 1091110 |
| NSW CD 1091109 |
| NSW CD 1092304 |
| NSW CD 1091507 |
| NSW CD 1092407 |
| NSW CD 1090911 |
| NSW CD 1090913 |
| NSW CD 1091806 |
| NSW CD 1091305 |
| NSW CD 1092605 |
| NSW CD 1091801 |
| NSW CD 1091201 |
| NSW CD 1091809 |
| NSW CD 1091405 |
| NSW CD 1091105 |
| NSW CD 1092406 |
| NSW CD 1092308 |
| NSW CD 1091207 |
| NSW CD 1092604 |
| NSW CD 1110106 |
| NSW CD 1091012 |
| NSW CD 1091008 |
| NSW CD 1091206 |
| NSW CD 1091205 |
| NSW CD 1092609 |
| NSW CD 1091010 |
| NSW CD 1091811 |
| NSW CD 1091606 |
| NSW CD 1092603 |
| NSW CD 1091411 |
| NSW CD 1091004 |
| NSW CD 1092303 |
| NSW CD 1090908 |
| NSW CD 1090909 |
| NSW CD 1091009 |
| NSW CD 1091403 |
| NSW CD 1091505 |
| NSW CD 1092607 |
| NSW CD 1090906 |
| NSW CD 1091810 |
| NSW CD 1091212 |
| NSW CD 1091213 |
| NSW CD 1091502 |
| NSW CD 1091701 |
| NSW CD 1091707 |
| NSW CD 1090912 |
| NSW CD 1091710 |
| NSW CD 1091108 |
| NSW CD 1091708 |
| NSW CD 1091608 |
| NSW CD 1091007 |
| NSW CD 1091506 |
| NSW CD 1091807 |
| NSW CD 1091404 |
| NSW CD 1092610 |
| NSW CD 1091604 |
| NSW CD 1091704 |
| NSW CD 1091402 |
| NSW CD 1090903 |
| NSW CD 1090902 |
| NSW CD 1092301 |
| NSW CD 1090904 |
| NSW CD 1091002 |
| NSW CD 1091209 |
| NSW CD 1091607 |
| NSW CD 1091511 |
| NSW CD 1092402 |
| NSW CD 1091709 |
| NSW CD 1092403 |
| NSW CD 1091006 |
| NSW CD 1091804 |
| NSW CD 1091605 |
| NSW CD 1091401 |
| NSW CD 1091706 |
| NSW CD 1091703 |
| NSW CD 1091705 |
| NSW CD 1091702 |
| NSW CD 1090907 |
| NSW CD 1091011 |
| NSW CD 1092310 |
| NSW CD 1110107 |
| NSW CD 1092411 |
| NSW CD 1091501 |
| NSW CD 1091504 |
| NSW CD 1091013 |
| NSW CD 1091003 |
| NSW CD 1092401 |

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

**Attachment 1.2**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Taree (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number: TS4020001

***Transmitter Site:-***

Nominal Location: Broadcast Australia Site 760 Cedar Party Rd
 CEDAR PARTY

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.821664 152.414471

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: MF-AM

Carrier Frequency: 756 kHz

***Output Radiation Pattern:-***

| **Bearing or Sector (Clockwise direction)** | **Elevation** | **Maximum CMF** |
| --- | --- | --- |
| 0°T | 0 | 385 V |
| 10°T | 0 | 545 V |
| 20°T | 0 | 645 V |
| 30°T | 0 | 675 V |
| 40°T | 0 | 635 V |
| 50°T | 0 | 540 V |
| 60°T | 0 | 530 V |
| 70°T | 0 | 315 V |
| 80°T | 0 | 225 V |
| 90°T | 0 | 165 V |
| 100°T | 0 | 140 V |
| 110°T | 0 | 150 V |
| 120°T | 0 | 195 V |
| 130°T | 0 | 275 V |
| 140°T | 0 | 380 V |
| 150°T | 0 | 500 V |
| 160°T | 0 | 600 V |
| 170°T | 0 | 665 V |
| 180°T | 0 | 665 V |
| 190°T | 0 | 595 V |
| 200°T | 0 | 455 V |
| 210°T | 0 | 270 V |
| 220°T | 0 | 95 V |
| 230°T | 0 | 160 V |
| 240°T | 0 | 305 V |
| 250°T | 0 | 420 V |
| 260°T | 0 | 495 V |
| 270°T | 0 | 540 V |
| 280°T | 0 | 555 V |
| 290°T | 0 | 545 V |
| 300°T | 0 | 515 V |
| 310°T | 0 | 455 V |
| 320°T | 0 | 355 V |
| 330°T | 0 | 220 V |
| 340°T | 0 | 80 V |
| 350°T | 0 | 195 V |

***Special Condition :-***

The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

**Attachment 1.3**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Manning River (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS2044002

***Transmitter Site:-***

Nominal Location: Main Broadcast Tower
 MIDDLE BROTHER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.702108 152.678673

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 95.5 MHz

Polarisation: Mixed

Maximum antenna height: 94 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 90°T | 26 kW |
| 90°T - 150°T | 13 kW |
| 150°T - 280°T | 26 kW |
| 280°T - 320°T | 13 kW |
| 320°T - 360°T | 26 kW |

**Attachment 1.4**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Manning River (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS7360001

***Transmitter Site:-***

Nominal Location: Main Broadcast Tower
 MIDDLE BROTHER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.702108 152.678673

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency : 96.3 MHz

Polarisation : Mixed

Maximum antenna height : 94 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 90°T | 100 kW |
| 90°T - 150°T | 50 kW |
| 150°T - 280°T | 100 kW |
| 280°T - 320°T | 50 kW |
| 320°T - 360°T | 100 kW |

**Attachment 1.5**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Manning River (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS6300001

***Transmitter Site:-***

Nominal Location: Main Broadcast Tower
 MIDDLE BROTHER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.702108 152.678673

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 97.1 MHz

Polarisation: Mixed

Maximum antenna height: 94 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 90°T | 100 kW |
| 90°T - 150°T | 50 kW |
| 150°T - 280°T | 100 kW |
| 280°T - 320°T | 50 kW |
| 320°T - 360°T | 100 kW |

**Attachment 1.6**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Manning River (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS3102601

***Transmitter Site:-***

Nominal Location: Main Broadcast Tower
 MIDDLE BROTHER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.702108 152.678673

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 98.7 MHz

Polarisation: Mixed

Maximum antenna height: 94 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 90°T | 100 kW |
| 90°T - 150°T | 50 kW |
| 150°T - 280°T | 100 kW |
| 280°T - 320°T | 50 kW |
| 320°T - 360°T | 100 kW |

**Attachment 1.6A**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Manning River (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS1131098

***Transmitter Site:-***

Nominal Location: Main Broadcast Tower
 MIDDLE BROTHER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.702108 152.678673

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 94.7 MHz

Polarisation: Mixed

Maximum antenna height: 94 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| At all angles of azimuth | 5 kW |

***Advisory Note :-***

This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBµV/m against interference from other broadcasting services.

**Attachment 1.7**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Gloucester (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS5045002

***Transmitter Site:-***

Nominal Location: Broadcast Australia Site Kia Ora Lookout
 GLOUCESTER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.962463 151.946969

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 100.9 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

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

**Attachment 1.8**

**LICENCE AREA PLAN: Taree Radio**

Category: National

General Area Served: Gloucester (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS6300002

***Transmitter Site:-***

Nominal Location: Broadcast Australia Site Kia Ora Lookout
 GLOUCESTER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.962463 151.946969

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 102.5 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

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

**Attachment 1.9**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Taree (NSW)

Service Licence Number: SL4131

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number: TS4131001

***Transmitter Site:-***

Nominal Location: Broadcast Site Manning River Drive
 TAREE

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.925323 152.465510

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: MF-AM

Carrier Frequency: 1557 kHz

***Output Radiation Pattern:-***

|  |  |  |
| --- | --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Elevation** | **Maximum CMF** |
| At all angles of azimuth | 0 | 585 V |

***Special Condition:-***

The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

***Availability of TS4131001:-***

The transmitter with the specification number TS4131001 ceases to be available for SL4131 28 days after the first day on which the service provided under SL4131 is transmitted by the transmitter with the specification number TS12000136, in accordance with the specifications set out at Attachment 1.9A.

**Attachment 1.9A**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Taree (NSW)

Service Licence Number: SL4131

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS12000136

***Transmitter Site:-***

Nominal Location: Broadcast Site Mount Ganghat Somerset Rd
 KIMBRIKI

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.922189 152.181738

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 88.9 MHz

Polarisation: Mixed

Maximum antenna height: 60 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 10°T | 5 kW |
| 10°T - 210°T | 10 kW |
| 210°T - 240°T | 5 kW |
| 240°T - 270°T | 2.5 kW |
| 270°T - 325°T | 1 kW |
| 325°T - 340°T | 2.5 kW |
| 340°T - 360°T | 5 kW |

**Attachment 1.10**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Forster (NSW)

Service Licence Number: SL4131

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS4131003

***Transmitter Site:-***

Nominal Location: Broadcast Site Hillcrest Rd MINIMBAH

Nominal Co-ordinates Latitude Longitude
(GDA94): -32.157936 152.376233

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 100.3 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| At all angles of azimuth | 1.6 kW |

**Attachment 1.11**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Gloucester (NSW)

Service Licence Number: SL4131

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS4131002

***Transmitter Site:-***

Nominal Location: Broadcast Site Kia Ora Lookout
 GLOUCESTER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.962388 151.946567

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 100.1 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 160°T | 20 W |
| 160°T - 210°T | 80 W |
| 210°T - 360°T | 20 W |

**Attachment 1.11A**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Hannam Vale (NSW)

Service Licence Number: SL4131

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS12000748

***Transmitter Site:-***

Nominal Location: NBN Co Site 114 Waitui Road
 HANNAM VALE

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.7076269 152.573436

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 100.3 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 65°T | 100 W |
| 65°T - 100°T | 300 W |
| 100°T - 290°T | 500 W |
| 290°T - 325°T | 300 W |
| 325°T - 360°T | 100 W |

***Advisory Note :-***

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBµV/m against interference from other broadcasting services.

**Attachment 1.12**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Taree (NSW)

Service Licence Number: SL10326

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10004938

***Transmitter Site:-***

Nominal Location: Broadcast Site Mount Ganghat Somerset Rd
 KIMBRIKI

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.922189 152.181738

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.3 MHz

Polarisation: Mixed

Maximum antenna height: 60 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 10°T | 5 kW |
| 10°T - 210°T | 10 kW |
| 210°T - 240°T | 5 kW |
| 240°T - 270°T | 2.5 kW |
| 270°T - 325°T | 1 kW |
| 325°T - 340°T | 2.5 kW |
| 340°T - 360°T | 5 kW |

**Attachment 1.13**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Gloucester (NSW)

Service Licence Number: SL10326

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10004971

***Transmitter Site:-***

Nominal Location: Broadcast Site Kia Ora Lookout
 GLOUCESTER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.962388 151.946567

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 103.3 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 160°T | 20 W |
| 160°T - 210°T | 80 W |
| 210°T - 360°T | 20 W |

**Attachment 1.13A**

**LICENCE AREA PLAN: Taree Radio**

Category: Commercial

General Area Served: Hannam Vale (NSW)

Service Licence Number: SL10326

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS12000765

***Transmitter Site:-***

Nominal Location: NBN Co Site 114 Waitui Road
 HANNAM VALE

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.7076269 152.573436

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 101.1 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 65°T | 100 W |
| 65°T - 100°T | 300 W |
| 100°T - 290°T | 500 W |
| 290°T - 325°T | 300 W |
| 325°T - 360°T | 100 W |

***Advisory Note:-***

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBµV/m against interference from other broadcasting services.

**Attachment 1.14**

**LICENCE AREA PLAN: Taree Radio**

Category: Open Narrowcasting

General Area Served: Taree (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10007773

***Transmitter Site:-***

Nominal Location: Nominal Planning Site
 CAREYS MOUNTAIN

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.857609 152.407002

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 105.7 MHz

Polarisation: Mixed

Maximum antenna height: 40 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| At all angles of azimuth | 5 kW |

***Advisory Note:-***

The coverage area of this transmission is a circle of radius 20 km measured from a point with the following GDA94 co-ordinates: -31.857609, 152.407002. This point is the same as the nominal transmitter location.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBµV/m against interference from other broadcasting services.

**Attachment 1.15**

**LICENCE AREA PLAN: Taree Radio**

Category: Open Narrowcasting

General Area Served: Gloucester (NSW)

Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10008591

***Transmitter Site:-***

Nominal Location: Nominal Planning Site Kiaora Lookout
 GLOUCESTER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.962915 151.947112

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 99.3 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| At all angles of azimuth | 100 W |

***Advisory Note:-***

The coverage area of this transmission is a circle of radius 10 km measured from a point with the following GDA94 co-ordinates: -31.962915, 151.947112. This point is the same as the nominal transmitter location.

**Attachment 2.1**

**Licence Area - TAREE RA2**

**Community Radio Service Licence number: SL1823**

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

| Area Description |
| --- |
| NSW CD 1091304 |
| NSW CD 1091103 |
| NSW CD 1091306 |
| NSW CD 1091101 |
| NSW CD 1091407 |
| NSW CD 1091211 |
| NSW CD 1091104 |
| NSW CD 1091410 |
| NSW CD 1091302 |
| NSW CD 1091107 |
| NSW CD 1091409 |
| NSW CD 1091102 |
| NSW CD 1091509 |
| NSW CD 1092302 |
| NSW CD 1092307 |
| NSW CD 1091210 |
| NSW CD 1091202 |
| NSW CD 1091503 |
| NSW CD 1091203 |
| NSW CD 1090910 |
| NSW CD 1091204 |
| NSW CD 1091301 |
| NSW CD 1091510 |
| NSW CD 1090905 |
| NSW CD 1091208 |
| NSW CD 1091112 |
| NSW CD 1091005 |
| NSW CD 1091106 |
| NSW CD 1092309 |
| NSW CD 1091303 |
| NSW CD 1091406 |
| NSW CD 1092306 |
| NSW CD 1091508 |
| NSW CD 1092305 |
| NSW CD 1091111 |
| NSW CD 1091408 |
| NSW CD 1091001 |
| NSW CD 1091512 |
| NSW CD 1091307 |
| NSW CD 1091110 |
| NSW CD 1091109 |
| NSW CD 1092304 |
| NSW CD 1091507 |
| NSW CD 1090911 |
| NSW CD 1090913 |
| NSW CD 1091305 |
| NSW CD 1091201 |
| NSW CD 1091405 |
| NSW CD 1091105 |
| NSW CD 1092308 |
| NSW CD 1091207 |
| NSW CD 1091012 |
| NSW CD 1091008 |
| NSW CD 1091206 |
| NSW CD 1091205 |
| NSW CD 1091010 |
| NSW CD 1091411 |
| NSW CD 1091004 |
| NSW CD 1092303 |
| NSW CD 1090908 |
| NSW CD 1090909 |
| NSW CD 1091009 |
| NSW CD 1091403 |
| NSW CD 1091505 |
| NSW CD 1090906 |
| NSW CD 1091212 |
| NSW CD 1091213 |
| NSW CD 1091502 |
| NSW CD 1090912 |
| NSW CD 1091108 |
| NSW CD 1091007 |
| NSW CD 1091506 |
| NSW CD 1091404 |
| NSW CD 1091402 |
| NSW CD 1090903 |
| NSW CD 1090902 |
| NSW CD 1092301 |
| NSW CD 1090904 |
| NSW CD 1091002 |
| NSW CD 1091209 |
| NSW CD 1091511 |
| NSW CD 1091006 |
| NSW CD 1091401 |
| NSW CD 1090907 |
| NSW CD 1091011 |
| NSW CD 1092310 |
| NSW CD 1091501 |
| NSW CD 1091504 |
| NSW CD 1091013 |
| NSW CD 1091003 |

Note:

Standard terminology used by the Australian Bureau of Statistics:

 (CD) = Collection District

**Attachment 2.2**

**LICENCE AREA PLAN:** **Taree Radio**

Category: Community

General Area Served: Taree (NSW)

Service Licence Number: SL1823

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10008623

***Transmitter Site:-***

Nominal Location: Council Telecoms and Broadcast Site
 CAREYS MOUNTAIN

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.857175 152.406899

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 104.7 MHz

Polarisation: Mixed

Maximum antenna height: 40 m

***Output Radiation Pattern:*-**

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| At all angles of azimuth | 5 kW |

**Attachment 2.3**

**LICENCE AREA PLAN: Taree Radio**

Category: Community

General Area Served: Elands (NSW)

Service Licence Number: SL1823

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10008658

***Transmitter Site:-***

Nominal Location: Broadcast Site ELANDS

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.627977 152.304104

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 101.3 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

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

***Advisory Note :-***

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBµV/m against interference from other broadcasting services.

**Attachment 3.1**

**Licence Area - TAREE RA3**

**Community Radio Service Licence numbers: SL1150314 and SL1180026**

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

| **Area Description** |
| --- |
| NSW CD 1091304 |
| NSW CD 1091103 |
| NSW CD 1091306 |
| NSW CD 1091101 |
| NSW CD 1091407 |
| NSW CD 1091211 |
| NSW CD 1091104 |
| NSW CD 1091410 |
| NSW CD 1091302 |
| NSW CD 1091107 |
| NSW CD 1091409 |
| NSW CD 1091102 |
| NSW CD 1091509 |
| NSW CD 1092302 |
| NSW CD 1092307 |
| NSW CD 1091210 |
| NSW CD 1091202 |
| NSW CD 1091503 |
| NSW CD 1091203 |
| NSW CD 1090910 |
| NSW CD 1091204 |
| NSW CD 1091301 |
| NSW CD 1091510 |
| NSW CD 1090905 |
| NSW CD 1091208 |
| NSW CD 1091112 |
| NSW CD 1091005 |
| NSW CD 1091106 |
| NSW CD 1092309 |
| NSW CD 1091303 |
| NSW CD 1091406 |
| NSW CD 1092306 |
| NSW CD 1091508 |
| NSW CD 1092305 |
| NSW CD 1091111 |
| NSW CD 1091408 |
| NSW CD 1091512 |
| NSW CD 1091307 |
| NSW CD 1091110 |
| NSW CD 1091109 |
| NSW CD 1092304 |
| NSW CD 1091507 |
| NSW CD 1090911 |
| NSW CD 1090913 |
| NSW CD 1091305 |
| NSW CD 1091201 |
| NSW CD 1091405 |
| NSW CD 1091105 |
| NSW CD 1092308 |
| NSW CD 1091207 |
| NSW CD 1091012 |
| NSW CD 1091008 |
| NSW CD 1091206 |
| NSW CD 1091205 |
| NSW CD 1091010 |
| NSW CD 1091411 |
| NSW CD 1091004 |
| NSW CD 1092303 |
| NSW CD 1090908 |
| NSW CD 1090909 |
| NSW CD 1091009 |
| NSW CD 1091403 |
| NSW CD 1090906 |
| NSW CD 1091212 |
| NSW CD 1091213 |
| NSW CD 1091502 |
| NSW CD 1091108 |
| NSW CD 1091404 |
| NSW CD 1091402 |
| NSW CD 1090903 |
| NSW CD 1092301 |
| NSW CD 1090904 |
| NSW CD 1091209 |
| NSW CD 1091006 |
| NSW CD 1091401 |
| NSW CD 1090907 |
| NSW CD 1091011 |
| NSW CD 1092310 |
| NSW CD 1091501 |
| NSW CD 1091504 |
| NSW CD 1091003 |

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

**Attachment 3.2**

**LICENCE AREA PLAN: Taree Radio**

Category: Community

General Area Served: Taree (NSW)

Service Licence Number: SL1150314

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10007771

***Transmitter Site:-***

Nominal Location: Council Telecoms and Broadcast Site
 CAREYS MOUNTAIN

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.857175 152.406899

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 103.3 MHz

Polarisation: Mixed

Maximum antenna height: 40 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| **Bearing or Sector (Clockwise direction)** | **Maximum ERP** |
| 0°T - 240°T | 3 kW |
| 240°T - 250°T | 150 W |
| 250°T - 360°T | 3 kW |

***Advisory Note :-***

The siting of this service is critical as it has the potential to cause co-channel interference to 2MVB Gloucester.

**Attachment 3.3**

**LICENCE AREA PLAN: Taree Radio**

Category: Community

General Area Served: Taree (NSW)

Service Licence Number: SL1180026

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS12000591

***Transmitter Site:-***

Nominal Location: Council Telecoms and Broadcast Site
 CAREYS MOUNTAIN

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.857175 152.406899

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.5 MHz

Polarisation: Mixed

Maximum antenna height: 40 m

***Output Radiation Pattern:-***

|  |  |  |
| --- | --- | --- |
| Bearing or Sector (Clockwise direction) |  | Maximum ERP |
| At all angles of azimuth |  | 3 kW |

***Advisory Note:-***

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 60 dBµV/m against interference from other broadcasting services.

**Attachment 4.1**

**Licence Area – FORSTER RA1**

**Community Radio Service Licence numbers: SL1583**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 6 August 1996, is:

| **Area Description** |
| --- |
|  |

Great Lakes (A)

Note:

Standard terminology used by the Australian Bureau of Statistics:

(A) = Statistical Local Area

**Attachment 4.2**

**LICENCE AREA PLAN: Taree Radio**

Category: Community

General Area Served: Forster (NSW)

Service Licence Number: SL1583

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS1583001

***Transmitter Site:-***

Nominal Location: FM Site Cabbage Tree Mountain UPPER MYALL

Nominal Co-ordinates Latitude Longitude
(GDA94): -32.257395 152.120465

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 101.5 MHz

Polarisation: Mixed

Maximum antenna height: 30 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 45°T | 500 W |
| 45°T - 170°T | 10 kW |
| 170°T - 360°T | 500 W |

**Attachment 5.1**

**Licence Area – GLOUCESTER RA1**

**Community Radio Service Licence numbers: SL1180030**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 9 August 2016, is:

| **Area Description** |
| --- |
| 1116701 (SA1) |
| 1116702 (SA1) |
| 1116703 (SA1) |
| 1116704 (SA1) |
| 1116705 (SA1) |
| 1116706 (SA1) |
| 1116707 (SA1) |
| 1116708 (SA1) |
| 1116713 (SA1) |
| 1116714 (SA1) |

Note:

Standard terminology used by the Australian Bureau of Statistics:

(SA1) = Statistical Local Area

**Attachment 5.2**

**LICENCE AREA PLAN: Taree Radio**

Category: Community

General Area Served: Gloucester (NSW)

Service Licence Number: SL1180030

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS12000675

***Transmitter Site:-***

Nominal Location: Broadcast Site Kia Ora Lookout GLOUCESTER

Nominal Co-ordinates Latitude Longitude
(GDA94): -31.9623879 151.9465667

Site Tolerance: Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission:-***

Frequency Band & Mode: VHF-FM

Carrier Frequency: 104.1 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

***Output Radiation Pattern:-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| At all angles of azimuth | 100 W |

***Advisory Note:-***

This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBµV/m against interference from other broadcasting services.