



## **Variation to Licence Area Plan – Tamworth Radio – 2023 (No. 1)**

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

Dated:

Member

Member/General Manager

Australian Communications and Media Authority

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## **1 Name**

This is the *Variation to Licence Area Plan – Tamworth Radio – 2023 (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 Amendments**

The instrument that is specified in Schedule 1 is amended as set out in the applicable items in that Schedule.

## Schedule 1—Amendments

(section 4)

### *Licence Area Plan Tamworth (Radio) – August 1998* (F2005B00629)

#### 1 Name of instrument

Rename the instrument as the “Licence Area Plan – Tamworth Radio”.

#### 2 Title page

Omit the title page, substitute:

#### **Licence Area Plan – Tamworth Radio**

#### 3 Determination (including the heading)

Repeal the three paragraphs, substitute:

- (1) This plan for broadcasting services in the Tamworth area of New South Wales is made under subsection 26(1) of the *Broadcasting Services Act 1992*.
- (2) Five national radio broadcasting services, two commercial radio broadcasting services and one open narrowcasting radio 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 - 1.8 to this plan.
- (3) 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 Attachment 2.2 - 2.4 to this plan.
- (4) In this plan, unless the contrary intention appears:
  - (a) a reference to a schedule or an attachment is a reference to a schedule or an attachment to this plan;
  - (b) a reference to a legislative instrument is a reference to that instrument as in force from time to time;
  - (c) 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.

Note 1: 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.

#### 4 Determination

Omit “(Determined by the Australian Broadcasting Authority on 27 August 1998)”.

## 5 Schedule

Repeal the schedule, including the heading.

## 6 Schedule One

Repeal the schedule, substitute:

### Licence Area Plan - Tamworth Radio

Licence Area : TAMWORTH RA1

Service Category	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
National	103.1 MHz	N/A	TS10007718	1.2	Tamworth
	94.7 MHz	N/A	TS10007940	1.3	Tamworth
	93.9 MHz	N/A	TS10005068	1.4	Tamworth
	91.7 MHz	N/A	TS1131089	1.4A	Tamworth
	648 kHz	N/A	TS4019001	1.5	Tamworth
Commercial	92.9 MHz	SL4865	TS4865001	1.6	Tamworth
	106.1 MHz	SL4865	TS12001022	1.6A	Barraba
	107.7 MHz	SL4865	TS12001020	1.6B	Manilla
Commercial	1287 kHz	SL4134	TS4134001	1.7	Tamworth
	95.5 MHz	SL4134	TS12000843	1.7A	Tamworth
	105.3 MHz	SL4134	TS12001021	1.7B	Barraba
	104.5 MHz	SL4134	TS12001019	1.7C	Manilla
Open Narrowcasting	90.5 MHz	N/A	TS12001065	1.8	Tamworth

## 7 Schedule Two

Repeal the schedule, substitute:

### Licence Area Plan - Tamworth Radio

Licence Area : TAMWORTH RA2

Service Category	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
Community	88.9 MHz	SL3061	TS12001062	2.2	Tamworth
	99.5 MHz	SL3061	TS12001082	2.3	Quirindi
Community	89.7 MHz	SL1150048	TS12001064	2.4	Tamworth

## 8 Attachments

Repeal all the attachments, and substitute the following attachments:

**Licence Area: TAMWORTH RA1****Commercial Radio Service Licence Numbers SL4865 and SL4134**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 6 August 1991, is:

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**Area Description**


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Tamworth (C)  
 Parry (S)  
 Manilla (S)  
 Nundle (S)  
 NSW CD 1042803  
 NSW CD 1042307  
 NSW CD 1042802  
 NSW CD 1042108  
 NSW CD 1042109  
 NSW CD 1042805  
 NSW CD 1042804  
 NSW CD 1042308  
 NSW CD 1042705  
 NSW CD 1042110  
 NSW CD 1042302  
 NSW CD 1042806  
 NSW CD 1042704  
 NSW CD 1042706  
 NSW CD 1130105  
 NSW CD 1042304  
 NSW CD 1042703  
 NSW CD 1042707  
 NSW CD 1042306  
 NSW CD 1130104  
 NSW CD 1042106  
 NSW CD 1042305  
 NSW CD 1042708  
 NSW CD 1042303  
 NSW CD 1042801  
 NSW CD 1042709  
 NSW CD 1042310

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(C) = City  
 (CD) = Collection District  
 (S) = Shire

**Attachment 1.2****LICENCE AREA PLAN : Tamworth Radio**

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

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007718

**Transmitter Site :-**

Nominal location : Prime Site SOMA MOUNTAIN  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.321423 150.749793  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 103.1 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 70 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
At all angles of azimuth	10 kW

**Attachment 1.3****LICENCE AREA PLAN : Tamworth Radio**

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

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007940

**Transmitter Site :-**

Nominal location : Prime Site SOMA MOUNTAIN  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.321423 150.749793  
 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 : 70 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
At all angles of azimuth	10 kW

**LICENCE AREA PLAN : Tamworth Radio**

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

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10005068

**Transmitter Site :-**

Nominal location : Prime Site SOMA MOUNTAIN  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.321423 150.749793  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 93.9 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 70 m

**Output Radiation Pattern :-**

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



**Attachment 1.4A****LICENCE AREA PLAN : Tamworth Radio**

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

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1131089

**Transmitter Site :-**

Nominal location : Prime Site SOMA MOUNTAIN  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.321423 150.749793  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 91.7 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 65 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
At all angles of azimuth	10 kW

**Attachment 1.5****LICENCE AREA PLAN : Tamworth Radio**

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

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS4019001

**Transmitter Site :-**

Nominal location : Broadcast Australia Site Fossickers Wy  
 4.5km SSE of MANILLA

Nominal Co-ordinates : Latitude Longitude  
 (GDA94) : -30.781249 150.744463

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

**Emission :-**

Frequency Band & Mode : MF-AM

Carrier Frequency : 648 kHz

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Elevation</b>	<b>Maximum CMF</b>
At all angles of azimuth	0	1.205 kV

**Special Condition :-**

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

**LICENCE AREA PLAN : Tamworth Radio**

Category : Commercial  
 General Area Served : Tamworth (NSW)  
 Service Licence Number : SL4865

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS4865001

**Transmitter Site :-**

Nominal location : Broadcast Operations Tower Soma Mountain  
 WERRIS CREEK

Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.321261 150.750291

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

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 92.9 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 46 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 70°T	20 kW
70°T - 90°T	15.8 kW
90°T - 115°T	12.5 kW
115°T - 160°T	10 kW
160°T - 265°T	5 kW
265°T - 295°T	10 kW
295°T - 360°T	20 kW

**Attachment 1.6A****LICENCE AREA PLAN : Tamworth Radio**

Category : Commercial  
 General Area Served : Barraba (NSW)  
 Service Licence Number : SL4865

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12001022

**Transmitter Site :-**

Nominal location : Broadcast Site 21 Range St BARRABA  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -30.393426 150.606593  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 106.1 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 20 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
0°T - 100°T	100 W
100°T - 130°T	50 W
130°T - 230°T	25 W
230°T - 260°T	50 W
260°T - 360°T	100 W

**Attachment 1.6B****LICENCE AREA PLAN : Tamworth Radio**

Category : Commercial  
 General Area Served : Manilla (NSW)  
 Service Licence Number : SL4865

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12001020

**Transmitter Site :-**

Nominal location : Broadcast site 9 Reservoir Rd MANILLA  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -30.752328 150.739026  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 107.7 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 20 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
0°T - 10°T	100 W
10°T - 40°T	50 W
40°T - 140°T	25 W
140°T - 170°T	50 W
170°T - 360°T	100 W

**Attachment 1.7**

Category : Commercial  
 General Area Served : Tamworth (NSW)  
 Service Licence Number : SL4134

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS4134001

**Transmitter Site :-**

Nominal location : Broadcast Site New England Hwy 8 km S of  
TAMWORTH

Nominal Co-ordinates (GDA94) :	Latitude	Longitude
	-31.165621	150.921621

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

**Emission :-**

Frequency Band & Mode : MF-AM

Carrier Frequency : 1287 kHz

**Output Radiation Pattern :-**

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

**Special Conditions :-**

1. The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.
2. TS4134001 ceases to be available for SL4134 28 days after the commencement of a service provided under SL4134 and transmitted by transmitter TS12000843 in accordance with the specifications set out at Attachment 1.7A.

**Attachment 1.7A****LICENCE AREA PLAN : Tamworth Radio**

Category : Commercial  
 General Area Served : Tamworth (NSW)  
 Service Licence Number : SL4134

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12000843

**Transmitter Site :-**

Nominal location : Broadcast Operations Tower Soma Mountain  
 WERRIS CREEK

Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.321261 150.750291

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 : 46 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 70°T	20 kW
70°T - 90°T	15.8 kW
90°T - 115°T	12.5 kW
115°T - 160°T	10 kW
160°T - 265°T	5 kW
265°T - 295°T	10 kW
295°T - 360°T	20 kW

**Attachment 1.7B****LICENCE AREA PLAN : Tamworth Radio**

Category : Commercial  
 General Area Served : Barraba (NSW)  
 Service Licence Number : SL4134

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12001021

**Transmitter Site :-**

Nominal location : Broadcast Site 21 Range St BARRABA  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -30.393426 150.606593  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 105.3 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 20 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
0°T - 100°T	100 W
100°T - 130°T	50 W
130°T - 230°T	25 W
230°T - 260°T	50 W
260°T - 360°T	100 W



**Attachment 1.7C****LICENCE AREA PLAN : Tamworth Radio**

Category : Commercial  
 General Area Served : Manilla (NSW)  
 Service Licence Number : SL4134

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12001019

**Transmitter Site :-**

Nominal location : Broadcast site 9 Reservoir Rd MANILLA

Nominal Co-ordinates (GDA94) :	Latitude	Longitude
	-30.752328	150.739026

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

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 104.5 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 20 m

**Output Radiation Pattern :-**

<b>Bearing or Sector (Clockwise direction)</b>	<b>Maximum ERP</b>
0°T - 10°T	100 W
10°T - 40°T	50 W
40°T - 140°T	25 W
140°T - 170°T	50 W
170°T - 360°T	100 W

**LICENCE AREA PLAN : Tamworth Radio**

Category : Open Narrowcasting  
 General Area Served : Tamworth (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS 12001065

**Transmitter Site :-**

Nominal location : Country Energy Site Bald Hill TAMWORTH  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.075531 150.958535  
 Site Tolerance : Refer to Broadcasting Services  
 (Technical Planning) Guidelines 2017

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 90.5 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 15 m

**Output Radiation Pattern :-**

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

**Special Conditions :-**

The 'coverage radius' of this transmission is 25 kilometres measured from a point with the following AMG co-ordinates: GDA94; Latitude: -31.137866; Longitude: 150.882335. This is NOT the same as the nominal transmitter site.

## Attachment 2.1

### Licence Area -TAMWORTH RA2

#### Community Radio Service Licence Numbers SL3061 and SL1150048

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 6 August 1991, is:

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#### Area Description

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Tamworth (C)  
NSW CD 1050814  
NSW CD 1050810  
NSW CD 1050812  
NSW CD 1050907  
NSW CD 1050808  
NSW CD 1050904  
NSW CD 1050905  
NSW CD 1050811  
NSW CD 1050816  
NSW CD 1050807  
NSW CD 1050902  
NSW CD 1050805  
NSW CD 1050813  
NSW CD 1050806  
NSW CD 1050809  
NSW CD 1050906  
NSW CD 1050901  
NSW CD 1050903  
NSW CD 1050908  
NSW CD 1042706  
NSW CD 1042801  
NSW CD 1042802  
NSW CD 1042803  
NSW CD 1042804  
NSW CD 1042806  
NSW CD 1050910  
NSW CD 1050911  
NSW CD 1050912  
NSW CD 1051401  
NSW CD 1051404  
NSW CD 1042203  
NSW CD 1042205  
NSW CD 1042206  
NSW CD 1042207  
NSW CD 1042208

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(C) = City

(CD) = Collection District

**LICENCE AREA PLAN : Tamworth Radio**

Category : Community  
 General Area Served : Tamworth (NSW)  
 Service Licence Number : SL3061

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12001062

**Transmitter Site :-**

Nominal location : Country Energy Site Bald Hill TAMWORTH  
 Nominal Co-ordinates (GDA94) : Latitude Longitude  
 -31.075531 150.958535  
 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 : 15 m

**Output Radiation Pattern :-**

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

**LICENCE AREA PLAN : Tamworth Radio**

Category :	Community
General Area Served :	Quirindi (NSW)
Service Licence Number :	SL3061

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number :	TS12001082
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**Transmitter Site :-**

Nominal location :	Council Site Who-Da-Thought-It Lookout, QUIRINDI
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Nominal Co-ordinates (GDA94) :	Latitude	Longitude
	-31.514657	150.666371

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

Frequency Band & Mode :	VHF-FM
Carrier Frequency :	99.5 MHz
Polarisation :	Mixed
Maximum antenna height :	30 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	150 W

**Note :-**

This specification is 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.

***Special Condition :-***

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 dB $\mu$ V/m against interference from other broadcasting services.

**LICENCE AREA PLAN : Tamworth Radio**

Category : Community  
 General Area Served : Tamworth (NSW)  
 Service Licence Number : SL1150048

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12001064

**Transmitter Site :-**

Nominal location : Country Energy Site Bald Hill TAMWORTH

Nominal Co-ordinates (GDA94) :	Latitude	Longitude
	-31.075531	150.958535

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

**Emission :-**

Frequency Band & Mode : VHF-FM  
 Carrier Frequency : 89.7 MHz  
 Polarisation : Mixed  
 Maximum antenna height : 15 m

**Output Radiation Pattern :-**

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