VARIATION TO LICENCE AREA PLAN

Innisfail Radio

No. 1 of 2008
Variation to Licence Area Plan for Innisfail Radio – No. 1 of 2008

Pursuant to subsection 26(2) of the Broadcasting Services Act 1992 (the BSA), the Australian Communications and Media Authority varies the Licence Area Plan for Innisfail Radio determined on 12 November 1997 (the principal instrument) in the manner set out below:

(1) The Determination in the principal instrument is varied to:

(a) number each of the paragraphs in the determination consecutively as clauses (1) and (2);

(b) in clause (1), omit the word “section” and substitute the word “subsection”;

(c) in clause (2), omit the numbers “1.2 – 1.19” and substitute the numbers “1.2 – 1.23”; and

(d) insert the following clause after clause (2);

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

(2) Immediately following the determination, the principal instrument is varied to:

(a) omit the heading “Schedule”;

(b) omit the words “The Schedule sets out:”; and

(c) omit all six paragraphs marked with dot points.

(3) The schedule to the principal instrument is varied to:

(a) omit Schedule One of the principal instrument and substitute Schedule One of this instrument.

(4) Attachments to the principal instrument are varied to:

(a) omit Attachment 1.1 of the principal instrument and substitute Attachment 1.1 of this instrument;
(b) omit Attachment 1.2 of the principal instrument and substitute Attachment 1.2 of this instrument;

(c) omit Attachment 1.5 of the principal instrument and substitute Attachment 1.5 of this instrument;

(d) omit Attachment 1.7 of the principal instrument and substitute Attachment 1.7 of this instrument;

(e) omit Attachment 1.10 of the principal instrument and substitute Attachment 1.10 of this instrument;

(f) omit Attachment 1.11 of the principal instrument and substitute Attachment 1.11 of this instrument;

(g) omit Attachment 1.16 of the principal instrument and substitute Attachment 1.16 of this instrument;

(h) omit Attachment 1.18 of the principal instrument and substitute Attachment 1.18 of this instrument;

(i) insert Attachment 1.20 of this instrument;

(j) insert Attachment 1.21 of this instrument;

(k) insert Attachment 1.22 of this instrument;

(l) insert Attachment 1.23 of this instrument;

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

Marcus Bezzi (signed) Lyn Maddock (signed)
Signature of General Manager Signature of Member

Marcus Bezzi Lyn Maddock
Name (Please Print) Name (Please Print)

Dated this 20th day of March 2008.
# Schedule One

**Licence Area Plan : Innisfail - March 2008**

*Licence Area : INNISFAIL RA1*

<table>
<thead>
<tr>
<th>Service Category</th>
<th>Channel/ Frequency</th>
<th>Service Licence No</th>
<th>Transmitter Specification No</th>
<th>Attach No</th>
<th>Area Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>National</td>
<td>94.1 MHz</td>
<td>N/A</td>
<td>TS10007526</td>
<td>1.10</td>
<td>Babinda</td>
</tr>
<tr>
<td>National</td>
<td>95.7 MHz</td>
<td>N/A</td>
<td>TS10007527</td>
<td>1.11</td>
<td>Babinda</td>
</tr>
<tr>
<td>National</td>
<td>90.9 MHz</td>
<td>N/A</td>
<td>TS10007528</td>
<td>1.12</td>
<td>Mission Beach</td>
</tr>
<tr>
<td>National</td>
<td>89.3 MHz</td>
<td>N/A</td>
<td>TS10007529</td>
<td>1.13</td>
<td>Mission Beach</td>
</tr>
<tr>
<td>National</td>
<td>95.5 MHz</td>
<td>N/A</td>
<td>TS10005285</td>
<td>1.14</td>
<td>Tully</td>
</tr>
<tr>
<td>National</td>
<td>96.3 MHz</td>
<td>N/A</td>
<td>TS10005286</td>
<td>1.15</td>
<td>Tully</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>873 kHz</td>
<td>N/A</td>
<td>TS10007592</td>
<td>1.16</td>
<td>Innisfail</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>97.3 MHz</td>
<td>N/A</td>
<td>TS10008093</td>
<td>1.17</td>
<td>Innisfail</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>92.7 MHz</td>
<td>N/A</td>
<td>TS10014772</td>
<td>1.18</td>
<td>Tully</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>93.9 MHz</td>
<td>N/A</td>
<td>TS10008094</td>
<td>1.19</td>
<td>Tully</td>
</tr>
<tr>
<td>Commercial</td>
<td>94.7 MHz</td>
<td>SL4177</td>
<td>TS10012914</td>
<td>1.2</td>
<td>Cardwell</td>
</tr>
<tr>
<td></td>
<td>531 kHz</td>
<td>SL4177</td>
<td>TS10007530</td>
<td>1.3</td>
<td>Innisfail</td>
</tr>
<tr>
<td></td>
<td>88.5 MHz</td>
<td>SL4177</td>
<td>TS10007541</td>
<td>1.4</td>
<td>Mission Beach</td>
</tr>
<tr>
<td></td>
<td>693 kHz</td>
<td>SL4177</td>
<td>TS4177002</td>
<td>1.5</td>
<td>Tully</td>
</tr>
<tr>
<td></td>
<td>97.7 MHz</td>
<td>SL4177</td>
<td>TS10014640</td>
<td>1.20</td>
<td>Hinchinbrook</td>
</tr>
<tr>
<td></td>
<td>92.3 MHz</td>
<td>SL4177</td>
<td>TS10012925</td>
<td>1.21</td>
<td>Murray Falls</td>
</tr>
<tr>
<td></td>
<td>102.5 MHz</td>
<td>SL4177</td>
<td>TS10009179</td>
<td>1.23</td>
<td>East Palmerston</td>
</tr>
<tr>
<td>Commercial</td>
<td>94.9 MHz</td>
<td>SL10319</td>
<td>TS10007532</td>
<td>1.6</td>
<td>Babinda</td>
</tr>
<tr>
<td></td>
<td>90.3 MHz</td>
<td>SL10319</td>
<td>TS1132461</td>
<td>1.7</td>
<td>Tully</td>
</tr>
<tr>
<td></td>
<td>91.9 MHz</td>
<td>SL10319</td>
<td>TS10007590</td>
<td>1.8</td>
<td>Cardwell</td>
</tr>
<tr>
<td></td>
<td>98.3 MHz</td>
<td>SL10319</td>
<td>TS10007531</td>
<td>1.9</td>
<td>Innisfail</td>
</tr>
<tr>
<td></td>
<td>103.3 MHz</td>
<td>SL10319</td>
<td>TS10011970</td>
<td>1.22</td>
<td>East Palmerston</td>
</tr>
</tbody>
</table>
LICENCE AREA - INNISFAIL RA1

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

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Johnstone (S)</td>
</tr>
<tr>
<td>Cardwell (S)</td>
</tr>
<tr>
<td>QLD CD 3012309</td>
</tr>
<tr>
<td>QLD CD 3012305</td>
</tr>
<tr>
<td>QLD CD 3012307</td>
</tr>
<tr>
<td>QLD CD 3012303</td>
</tr>
<tr>
<td>QLD CD 3012304</td>
</tr>
<tr>
<td>QLD CD 3012306</td>
</tr>
<tr>
<td>QLD CD 3012311</td>
</tr>
<tr>
<td>QLD CD 3012308</td>
</tr>
<tr>
<td>QLD CD 3012310</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

(S) = Shire
LICENCE AREA PLAN : Innisfail – July 2003

Category : Commercial
General Area Served : Cardwell (QLD)
Service Licence Number : SL4177

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10012914

Transmitter Site :-
Nominal location : Telstra Site, Mulleys Hill, CARDWELL
Australian Map Grid : Zone Easting Northing
Reference  55 393300 7981900
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 94.7 MHz
Polarisation : Mixed
Maximum antenna height : 15 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>300 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Innisfail – July 2003

Category : Commercial
General Area Served : Tully (QLD)
Service Licence Number : SL4177

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS4177002

Transmitter Site :-
Nominal location : Euramo 7 km S of TULLY
Australian Map Grid : Zone Easting Northing
Reference 55 387502 8009895
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 693 kHz
Polarisation :

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>220 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Innisfail – March 2008

Category: Commercial

General Area Served: Tully (QLD)

Service Licence Number: SL10319

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1132461

Transmitter Site:
Nominal location: Broadcast Site Euramo 7 km S of TULLY

Australian Map Grid: Zone Easting Northing
Reference 55 387502 8009895

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

Emission:
Frequency Band & Mode: VHF-FM

Carrier Frequency: 90.3 MHz

Polarisation: Mixed

Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>300 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Innisfail - March 2008

Category: National

General Area Served: Babinda (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10007526

Transmitter Site:-

Nominal location: Police Hut GRAHAM RANGE

Australian Map Grid: Zone Easting Northing
Reference 55 394029 8077622

Site Tolerance: Refer to Technical Planning Guidelines

Emission:-

Frequency Band & Mode: VHF-FM

Carrier Frequency: 94.1 MHz

Polarisation: Mixed

Maximum antenna height: 33 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 170°T</td>
<td>200 W</td>
</tr>
<tr>
<td>170°T - 335°T</td>
<td>400 W</td>
</tr>
<tr>
<td>335°T - 360°T</td>
<td>200 W</td>
</tr>
</tbody>
</table>

Special Conditions:-

Note: The antenna height of this national service has been changed from 20 to 33 metres. Refer to file 1998/5261.
LICENCE AREA PLAN: Innisfail - March 2008

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

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10007527

Transmitter Site:
Nominal location: Police Hut GRAHAM RANGE
Australian Map Grid: Zone Easting Northing
Reference: 55 394029 8077622
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.7 MHz
Polarisation: Mixed
Maximum antenna height: 33 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 170°T</td>
<td>200 W</td>
</tr>
<tr>
<td>170°T - 335°T</td>
<td>400 W</td>
</tr>
<tr>
<td>335°T - 360°T</td>
<td>200 W</td>
</tr>
</tbody>
</table>

Special Conditions:
Note: The antenna height of this national service has been changed from 20 to 33 metres. Refer to file 1998/5261.
LICENCE AREA PLAN: Innisfail - October 1998

Category: Open Narrowcasting

General Area Served: Innisfail (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10007592

Transmitter Site:

Nominal location: 3km East of INNISFAIL

Australian Map Grid Reference:

Zone: 55
Easting: 399400
Northing: 8061400

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

Emission:

Frequency Band & Mode: MF-AM

Carrier Frequency: 873 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>460 V</td>
</tr>
</tbody>
</table>

Special Conditions:

The ‘2.5mV/m contour radius’ of this transmission is 25 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 399400; Northing 8061400. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN : Innisfail – March 2008

Category : Open Narrowcasting

General Area Served : Tully (QLD)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10014772

Transmitter Site :-

Nominal location : Broadcast Site Euramo 7 km S of TULLY

Australian Map Grid : Zone Easting Northing Reference 55 387502 8009895

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

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 92.7 MHz

Polarisation Mixed

Maximum antenna height 40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>300 W</td>
</tr>
</tbody>
</table>

Special Conditions :-

The '54 dBuV/m contour radius' of this transmission is 15 kilometres measured from a point with the following AMG co-ordinates: Zone: 55, Easting: 387502, Northing: 8009895. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN : Innisfail - March 2008

Category : Commercial

General Area Served : Hinchinbrook (QLD)

Service Licence Number : SL4177

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10014640

Transmitter Site :-
Nominal location : Broadcast Site Casual Cassowary Tea House Bruce Hwy HINCHINBROOK

Australian Map Grid : Zone Easting Northing
Reference 55 413000 7955700

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

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 97.7 MHz
Polarisation Vertical
Maxmum antenna height 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 80°T</td>
<td>50 W</td>
</tr>
<tr>
<td>80°T - 90°T</td>
<td>25 W</td>
</tr>
<tr>
<td>90°T - 110°T</td>
<td>12 W</td>
</tr>
<tr>
<td>110°T - 240°T</td>
<td>5 W</td>
</tr>
<tr>
<td>240°T - 260°T</td>
<td>12 W</td>
</tr>
<tr>
<td>260°T - 280°T</td>
<td>25 W</td>
</tr>
<tr>
<td>280°T - 360°T</td>
<td>50 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
The broadcaster is required to comply with "Start up Procedures" of the Broadcasting Services (Technical Planning) Guidelines 2007.
**Licence Area Plan - Innisfail Radio**

**Attachment 1.21**

**LICENCE AREA PLAN : Innisfail – July 2003**

- **Category:** Commercial
- **General Area Served:** Murray Falls (QLD)
- **Service Licence Number:** SL4177

**TECHNICAL SPECIFICATION - FM Radio**

- **Specification Number:** TS10012925

*Transmitter Site :*

- **Nominal location:** Council Water Treatment Plant MURRAY FALLS
- **Australian Map Grid Reference:** Zone 55, Easting 373000, Northing 7995500
- **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:** 30 m

*Output Radiation Pattern :*

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Innisfail - March 2008

Category : Commercial

General Area Served : East Palmerston (QLD)

Service Licence Number : SL10319

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10011970

Transmitter Site :-
Nominal location : Broadcast Site Palmerston Highway East PALMERSTON
Australian Map Grid : Zone Easting Northing
Reference 55 377500 8052600

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 103.3 MHz
Polarisation Mixed
Maximum antenna height 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment 1.23

LICENCE AREA PLAN : Innisfail – March 2008
Category : Commercial
General Area Served : Babinda (QLD)
Service Licence Number : SL4177

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10009179

Transmitter Site :-
Nominal location : TV Site GRAHAM RANGE
Australian Map Grid : Zone Easting Northing
Reference 55 393968 8077612
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 102.5 MHz
Polarisation Vertical
Maximum antenna height 15 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>400 W</td>
</tr>
</tbody>
</table>