Radio Licence Area Plan
Charters Towers
(Radio)

October 1997

Made under the
Broadcasting Services Act 1992

This compilation was prepared by the Australian Communications and Media Authority on 4 July 2013 taking into account amendments up to Licence Area Plan – Charters Towers Radio - Variation No. 1 of 2008.
Licence Area Plan: Charters Towers

DETERMINATION

(1) The Australian Broadcasting Authority hereby makes this plan for radio broadcasting services in the Charters Towers area of Queensland, under subsection 26(1) of the Broadcasting Services Act 1992.

(2) Two commercial radio broadcasting services, three national radio broadcasting services and two open narrowcasting radio broadcasting services are to be made available in the Charters Towers area described at Attachment 1.1 to this determination 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 - 1.9 to this Determination.

(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

(Determined by the Australian Broadcasting Authority on 30 October 1997)
## Schedule One

**Licence Area Plan : Charters Towers Radio**

*Licence Area : CHARTERS TOWERS 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>97.5 MHz</td>
<td>N/A</td>
<td>TS1326001</td>
<td>1.5</td>
<td>Charters Towers</td>
</tr>
<tr>
<td>National</td>
<td>107.5 MHz</td>
<td>N/A</td>
<td>TS1323001</td>
<td>1.6</td>
<td>Hughenden</td>
</tr>
<tr>
<td>National</td>
<td>1485 kHz</td>
<td>N/A</td>
<td>TS4034001</td>
<td>1.7</td>
<td>Hughenden</td>
</tr>
<tr>
<td>Commercial</td>
<td>828 kHz</td>
<td>SL4172</td>
<td>TS4172001</td>
<td>1.2</td>
<td>Charters Towers</td>
</tr>
<tr>
<td></td>
<td>765 kHz</td>
<td>SL4172</td>
<td>TS4172002</td>
<td>1.3</td>
<td>Hughenden</td>
</tr>
<tr>
<td>Commercial</td>
<td>95.9 MHz</td>
<td>SL10325</td>
<td>TS10004899</td>
<td>1.4</td>
<td>Charters Towers</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>99.1 MHz</td>
<td>N/A</td>
<td>TS1131002</td>
<td>1.8</td>
<td>Charters Towers</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>96.7 MHz</td>
<td>N/A</td>
<td>TS10008145</td>
<td>1.9</td>
<td>Charters Towers</td>
</tr>
</tbody>
</table>
Attachment 1.1

Licence Area - CHARTERS TOWERS RA1
Licence Area ID - 448

Commercial Radio Service Licence numbers: SL4172, SL10325

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>Charters Towers (C) (LGA)</td>
</tr>
<tr>
<td>QLD CD 031001</td>
</tr>
<tr>
<td>QLD CD 031002</td>
</tr>
<tr>
<td>QLD CD 031003</td>
</tr>
<tr>
<td>QLD CD 031004</td>
</tr>
<tr>
<td>QLD CD 031005</td>
</tr>
<tr>
<td>QLD CD 031006</td>
</tr>
<tr>
<td>QLD CD 031007</td>
</tr>
<tr>
<td>QLD CD 031101</td>
</tr>
<tr>
<td>QLD CD 031102</td>
</tr>
<tr>
<td>QLD CD 031103</td>
</tr>
<tr>
<td>QLD CD 031104</td>
</tr>
<tr>
<td>QLD CD 031201</td>
</tr>
<tr>
<td>QLD CD 031203</td>
</tr>
<tr>
<td>QLD CD 031205</td>
</tr>
<tr>
<td>QLD CD 031301</td>
</tr>
<tr>
<td>QLD CD 031305</td>
</tr>
<tr>
<td>QLD CD 031309</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(C) = City

(LGA) = Local Government Area

(CD) = Collection District
LICENCE AREA PLAN : Charters Towers
Category : Commercial
General Area Served : Charters Towers (QLD)
Service Licence Number : SL4172

TECHNICAL SPECIFICATION - AM Radio
Specification Number : TS4172001

Transmitter Site :-
Nominal location : New Queens Road 3km NE of Charters Towers
Australian Map Grid : Zone Easting Northing
Reference 55 425600 7780900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 828 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>315 V</td>
</tr>
</tbody>
</table>

Notes :-
The CMF at all elevations is not to exceed the specified CMF at 0 degrees elevation for all angles of azimuth.
LICENCE AREA PLAN : Charters Towers
Category : Commercial
General Area Served : Hughenden (QLD)
Service Licence Number : SL4172

TECHNICAL SPECIFICATION - AM Radio
Specification Number : TS4172002

Transmitter Site :-
Nominal location : 2.5 km West of Hughenden
Australian Map Grid : Zone Easting Northing
Reference 55 206018 7691864
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 765 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>215 V</td>
</tr>
</tbody>
</table>

Notes :-
The CMF at all elevations is not to exceed the specified CMF at 0 degrees elevation for all angles of azimuth.
LICENCE AREA PLAN: Charters Towers

Category: Commercial

General Area Served: Charters Towers (QLD)

Service Licence Number: SL10325

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004899

Transmitter Site:
Nominal location: Pages Site Towers Hill CHARTERS TOWERS

Australian Map Grid: Zone Easting Northing
Reference 55 421728 7778305

Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.9 MHz
Polarisation: Vertical
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>1.5 kW</td>
</tr>
</tbody>
</table>

Federal Register of Legislative Instruments F2013C000489
LICENCE AREA PLAN: Charters Towers
Category: National
General Area Served: Charters Towers (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS1326001

Transmitter Site:—
Nominal location: Charters Towers
Australian Map Grid: Zone Easting Northing
Reference 55 421600 7778200
Site Tolerance: Refer to Technical Planning Guidelines

Emission:—
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.5 MHz
Polarisation: Mixed
Maximum antenna height: 18 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>
LICENCE AREA PLAN: Charters Towers

Category: National

General Area Served: Hughenden (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1323001

Transmitter Site:
Nominal location: 1 km West of Hughenden

Australian Map Grid: Zone Easting Northing Reference 55 207000 7692300

Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.5 MHz

Polarisation: Mixed

Maximum antenna height: 45 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>
LICENCE AREA PLAN : Charters Towers
Category : National
General Area Served : Hughenden (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio
Specification Number : TS4034001

Transmitter Site :-
Nominal location : Flinders Hwy Hughenden
Australian Map Grid : Zone Easting Northing
Reference : 55 206852 7692400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 1485 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>70 V</td>
</tr>
</tbody>
</table>

Notes :-
The CMF at all elevations is not to exceed the specified CMF at 0 degrees elevation for all angles of azimuth.
LICENCE AREA PLAN: Charters Towers

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1131002

Transmitter Site:
Nominal location: Broadcast Site Towers Hill CHARTERS TOWERS

Australian Map Grid: Zone Easting Northing
Reference 55 421735 7778245

Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.1 MHz
Polarisation: Mixed
Maximum antenna height: 18 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>

Special Conditions:
The 'coverage radius' of this transmission is 15 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 421735; Northing 7778245. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Charters Towers

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008145

Transmitter Site:
Nominal location: Charters Towers
Australian Map Grid:
Reference: Zone 55 Easting 421600 Northing 7778200
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 96.7 MHz
Polarisation: Mixed
Maximum antenna height: 18 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>

Special Conditions:
The 'coverage radius' of this transmission is 15 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 421600; Northing 7778200. This point is the same as the nominal transmitter location.
Notes to the Licence Area Plan for Charters Towers Radio

Note 1

The Licence Area Plan - Charters Towers (Radio) – October 1997 (in force under the Broadcasting Services Act 1992) as shown in this compilation comprises the principal instrument amended as indicated in the Tables below.

Table of Instruments

<table>
<thead>
<tr>
<th>Year</th>
<th>Date of notification in Gazette or registration</th>
<th>Date of commencement</th>
<th>Application, saving or transitional provisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Licence Area Plan - Charters Towers Radio - Variation No.1 of 2008</td>
<td>01/12/2008 F2008L04436</td>
<td>02/12/2008</td>
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</tr>
</tbody>
</table>

Table of Amendments

<table>
<thead>
<tr>
<th>Provision affected</th>
<th>How affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clause (1)</td>
<td>am. No.1 of 2008.</td>
</tr>
<tr>
<td>Clause (2)</td>
<td>am. No.1 of 2008.</td>
</tr>
<tr>
<td>Clause (3)</td>
<td>ad. No.1 of 2008.</td>
</tr>
<tr>
<td>Schedule 1</td>
<td>rs. No.1 of 2008.</td>
</tr>
<tr>
<td>Attachment 1.1</td>
<td>rs. No.1 of 2008.</td>
</tr>
<tr>
<td>Attachment 1.8</td>
<td>rs. No.1 of 2008.</td>
</tr>
</tbody>
</table>