Radiocommunications (Digital Radio Channels — Queensland) Plan 2007

Radiocommunications Act 1992

The AUSTRALIAN COMMUNICATIONS AND MEDIA AUTHORITY makes this Plan under subsection 44A (1) of the *Radiocommunications Act 1992*.

Dated *6 December* 2007

Chris Chapman
[signed]
Member

Lyn Maddock
[signed]
Member

Australian Communications and Media Authority

1 Name of Plan

This Plan is the *Radiocommunications (Digital Radio Channels — Queensland) Plan 2007*.

2 Commencement

This Plan commences on the day after it is registered.

3 Definitions

In this Plan:

Act means the *Radiocommunications Act 1992*.

category means a category of digital radio multiplex transmitter licence described in section 5 of the Act.

DAB means digital audio broadcasting.

designated BSA radio area means:

(a) the BSA licence area (within the meaning of the *Broadcasting Services Act 1992*) of a commercial radio broadcasting licence; or

(b) the BSA licence area of a community radio broadcasting licence, where that BSA licence area is the same (or is deemed to be the same) as the BSA licence area of a commercial radio broadcasting licence.

frequency block means a frequency channel of 1.536 MHz bandwidth.

maximum antenna height means the maximum permitted height above ground level of the electrical centre of an antenna.

technical planning guidelines means the guidelines made under section 33 of the *Broadcasting Services Act 1992*, as in force from time to time.

4 Digital radio channel plans

(1) For subsection 44A (1) of the Act, each Schedule is a digital radio channel plan for the designated BSA radio area specified in that Schedule.

(2) The digital radio channel plan specified in a Schedule:

(a) allots a frequency block or blocks in relation to the designated BSA radio area for use by digital radio multiplex transmitter licensees; and

(b) reserves a frequency block for a category 3 digital radio multiplex transmitter licence for the designated BSA radio area to be issued in accordance with subsection 102E (2) of the Act; and

(c) determines which of the following types of licences, or which combination of the following types of licences, are to be issued for the designated BSA radio area:

(i) category 1 digital radio multiplex transmitter licence;

(ii) category 2 digital radio multiplex transmitter licence; and

(d) if a particular type of licence mentioned in paragraph (c) is to be issued for the designated BSA radio area — determines whether:

(i) a single licence of that type is to be issued for the designated BSA radio area; or

(ii) 2 or more licences of that type are to be issued for the designated BSA radio area; and

(e) determines technical specifications of multiplex transmitters operated under digital radio multiplex transmitter licences for the designated BSA radio area.

Note The relevant technical specifications are set out in each Schedule as "attachments".

Schedule 1 Brisbane RA1

(subsection 4 (1))

Designated BSA radio area

Brisbane RA1

Table 1 Frequency channels

Column 1 Multiplex Name	Column 2 Frequency block	Column 3 Reserved frequency block	Column 4 Centre frequency (MHz)	Column 5 Category	Column 6 Technical Specification Number	Column 7 Technical Specifications (Attachment number)
Brisbane 1	9A	No	202.928	1	TS1132479	1.1
Brisbane 2	9B	No	204.640	1	TS1132480	1.2
Brisbane 3	9C	Yes	206.352	3	TS1132481	1.3

Table 2 Number of licences to be issued

Column 1 Licence Category	Column 2 Number of licences
Category 1	2
Category 2	0
Category 3	1

Attachment 1.1 Multiplex Brisbane 1

Column 1 Technical specification	Column 2 Details		
Category	1		
General Area Served	Brisbane		
Mode	DAB		
Specification Number	TS1132479		
Transmitter Site			
Nominal Location	Channel 2 Site MOUNT COOT-THA		
Australian Map Grid Reference 1966	***Zone***	***Easting***	***Northing***
	56	494700	6961920
Site Tolerance	Refer to technical planning guidelines		
Emission			
Frequency Band	VHF		
Centre Frequency	202.928 MHz (Frequency Block 9A)		
Polarisation	Vertical		
Maximum antenna height	161 m		

Output Radiation Pattern

Bearing or Sector (Clockwise direction)	***Maximum ERP***
0° T – 5° T	1.6 kW
5° T – 208° T	12.5 kW
208° T – 244° T	6.2 kW
244° T – 317° T	12.5 kW
317° T – 360° T	1.6 kW

Additional technical specification

The radiated signal characteristics of the transmitter must comply with the spectrum mask for VHF transmitters in critical areas for adjacent channel interference as specified in clause 15.4 of standard ETSI EN 300 401 V1.4.1, issued by the European Telecommunications Standard Institute.

Attachment 1.2 Multiplex Brisbane 2

Column 1 Technical specification	Column 2 Details		
Category	1		
General Area Served	Brisbane		
Mode	DAB		
Specification Number	TS1132480		
Transmitter Site			
Nominal Location	Channel 2 Site MOUNT COOT-THA		
Australian Map Grid Reference 1966	***Zone***	***Easting***	***Northing***
	56	494700	6961920
Site Tolerance	Refer to technical planning guidelines		
Emission			
Frequency Band	VHF		
Centre Frequency	204.640 MHz (Frequency Block 9B)		
Polarisation	Vertical		
Maximum antenna height	161 m		
Output Radiation Pattern			

Bearing or Sector (Clockwise direction)	***Maximum ERP***
0° T – 5° T	1.6 kW
5° T – 208° T	12.5 kW
208° T – 244° T	6.2 kW
244° T – 317° T	12.5 kW
317° T – 360° T	1.6 kW

Attachment 1.3 Multiplex Brisbane 3

Column 1 **Technical specification**	**Column 2** **Details**		
Category	3		
General Area Served	Brisbane		
Mode	DAB		
Specification Number	TS1132481		
Transmitter Site			
Nominal Location	Channel 2 Site MOUNT COOT-THA		
Australian Map Grid Reference 1966	***Zone***	***Easting***	***Northing***
	56	494700	6961920
Site Tolerance	Refer to technical planning guidelines		
Emission			
Frequency Band	VHF		
Centre Frequency	206.352 MHz (Frequency Block 9C)		
Polarisation	Vertical		
Maximum antenna height	161 m		

Output Radiation Pattern

Bearing or Sector (Clockwise direction)	***Maximum ERP***
0° T – 5° T	1.6 kW
5° T – 208° T	12.5 kW
208° T – 244° T	6.2 kW
244° T – 317° T	12.5 kW
317° T – 360° T	1.6 kW