

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	1146864
Licensee	National DAB Licence Company Limited
Trading name	Gavin Bowman
Licensee address	GPO Box 9994, SYDNEY, NSW 2007

Licence details

Licence service	Broadcasting - Cat 3 DRMT
Licence number	1911855/2
Date of issue	26/08/2019
Date of effect	26/08/2019
Date of expiry	24/06/2024

Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

Rights of appeal

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the address listed below. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

Important

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

Telephone: 1300 850 115
Email: info@acma.gov.au

ACMA website: www.acma.gov.au

Special Conditions applying to licence no.: 1911855/2

The licensee is subject to section 4 of Part 1, and Parts 2, 3 and 4 of the Radiocommunications Licence Conditions (Apparatus Licence) Determination 2003, as in force from time to time. For this special condition, the reference to paragraph 107(1)(f) of the Radiocommunications Act 1992 in Part 2 of the determination should be read as a reference to paragraph 109B(1)(t) of that Act. A copy of the determination is available from ACMA (www.acma.gov.au) or the Federal Register of Legislative Instruments (www.frli.gov.au).

Advisory Notes applying to licence no.: 1911855/2

Licensees should note that additional transmitters issued under this licence are subject to the start up procedure conditions specified in Part 1 of the Broadcasting Services (Technical Planning) Guidelines 2007 (the TPGs). Licensees are also subject to conditions specified in Part 8 of the TPGs relating to the management of interference, including but not limited to, interference to an analog television service, digital television service, or digital radio broadcasting service. This includes unacceptable interference to a service on the unassigned sixth channel (VHF Channel 10). In addition, under Part 8 of the TPGs licensees are subject to the condition that a licensee must, in consultation with affected parties, resolve complaints of interference to other services provided by radiocommunications licensees if that interference is caused by operation of the digital radio multiplex transmitter.

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Station 1:

Site details

Site ID	4045
Site address	TXA Artarmon Site Tower, 192-196 Hampden Road, ARTARMON NSW 2064
Co-ordinates (GDA94)	Latitude: -33.805516 Longitude: 151.180760

Transmitter details

General Area Served	Sydney
Technical specification no.	1132985
Assigned frequency	206.352 MHz
Freq. assign. ID	0001497024
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	196

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 360	50 000.0

Special Conditions applying to Station 1

In addition to complying with the above radiation pattern, the licensee shall limit the service ERP at or above a dividing line defined by the depression angle as follows: Start angle: 10 degrees, Stop angle: 40 degrees, Depression angle: 0.3 degrees, Max. ERP at or above dividing line: 12.5 kW. Start angle: 210 degrees, Stop angle: 256 degrees, Depression angle: -0.1 degrees, Max. ERP at or above dividing line: 12.5 kW. Start angle: 273 degrees, Stop angle: 298 degrees, Depression angle: -0.3 degrees, Max. ERP at or above dividing line: 15 kW.

Station 2:

Site details

Site ID	4129
Site address	TXA Willoughby Site Tower, 15 Richmond Avenue, WILLOUGHBY NSW 2068
Co-ordinates (GDA94)	Latitude: -33.811691 Longitude: 151.195969

Transmitter details

General Area Served	Sydney
Technical specification no.	1132985
Assigned frequency	206.352 MHz
Freq. assign. ID	0001497025
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	170

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 360	50 000.0

Special Conditions applying to Station 2

In addition to complying with the above radiation pattern, the licensee shall limit the service ERP at or above a dividing line defined by the depression angle as follows: Start angle: 10 degrees, Stop angle: 40 degrees, Depression angle: 0.3 degrees, Max. ERP at or above dividing line: 12.5 kW. Start angle: 210 degrees, Stop angle: 256 degrees, Depression angle: -0.1 degrees, Max. ERP at or above dividing line: 12.5 kW. Start angle: 273 degrees, Stop angle: 298 degrees, Depression angle: -0.3 degrees, Max. ERP at or above dividing line: 15 kW.

Station 3:

Site details

Site ID	198392
Site address	Crown Castle Site, Badgelly Hill off Badgally Rd, GREGORY HILLS NSW 2567
Co-ordinates (GDA94)	Latitude: -34.042615 Longitude: 150.784089

Transmitter details

General Area Served	Campbelltown
Technical specification no.	1137044
Assigned frequency	206.352 MHz
Freq. assign. ID	0001497026
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	42

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 25	250.0
25 - 245	500.0
245 - 285	250.0
285 - 345	125.0
345 - 360	250.0

Advisory Notes applying to Station 3

This service may be operating with a lower effective radiated power (ERP) than permitted by this apparatus licence.

Special Conditions applying to Station 3

This specification authorises the use of a 'repeater multiplex transmitter'.

Station 4:

Site details

Site ID	55315
Site address	Broadcast/Comms Monopole Crown Castle Site, Plateau Park off Blandford St, COLLARROY PLATEAU NSW 2097
Co-ordinates (GDA94)	Latitude: -33.729434 Longitude: 151.292333

Transmitter details

General Area Served	Collaroy Plateau
Technical specification no.	1137047
Assigned frequency	206.352 MHz
Freq. assign. ID	0001497027
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	32

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 60	300.0
60 - 75	150.0
75 - 90	75.0
90 - 290	30.0
290 - 305	75.0
305 - 320	150.0
320 - 360	300.0

Advisory Notes applying to Station 4

This service may be operating with a lower effective radiated power (ERP) than permitted by this apparatus licence.

Special Conditions applying to Station 4

This specification authorises the use of a 'repeater multiplex transmitter'.

Station 5:

Site details

Site ID	153007
Site address	Broadcast Monopole Aust Radio Network Site, 754-768 Hawkesbury Rd, HAWKESBURY HEIGHTS NSW 2777
Co-ordinates (GDA94)	Latitude: -33.667434 Longitude: 150.639753

Transmitter details

General Area Served	Penrith
Technical specification no.	1137057
Assigned frequency	206.352 MHz
Freq. assign. ID	0001497028
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	42

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 0	150.0
0 - 220	300.0
220 - 260	150.0
260 - 320	75.0
320 - 360	150.0

Advisory Notes applying to Station 5

This service may be operating with a lower effective radiated power (ERP) than permitted by this apparatus licence.

Special Conditions applying to Station 5

This specification authorises the use of a 'repeater multiplex transmitter'.

Station 6:

Site details

Site ID	3397		
Site address	Broadcast/Comms Tower Sydney Tower, Westfield Centrepont 100 Market Street, SYDNEY NSW 2000		
Co-ordinates (GDA94)	Latitude: -33.870447	Longitude:	151.208787

Transmitter details

General Area Served	Sydney City		
Technical specification no.	1137038		
Assigned frequency	206.352 MHz		
Freq. assign. ID	0001497029		
Emission designator	1M53G7W		
Antenna Polarisation	V - Vertical linear		
Antenna height (m)	311		

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 360	300.0

Advisory Notes applying to Station 6

This service may be operating with a lower effective radiated power (ERP) than permitted by this apparatus licence.

Special Conditions applying to Station 6

This specification authorises the use of a 'repeater multiplex transmitter'.

Station 7:

Site details

Site ID	3453		
Site address	Broadcast/Comms Tower Rooftop, Tower 1 GCA Building 1 Lawson Square, REDFERN NSW 2016		
Co-ordinates (GDA94)	Latitude: -33.892182	Longitude:	151.199736

Transmitter details

General Area Served	Sydney Inner South		
Technical specification no.	1136863		
Assigned frequency	206.352 MHz		
Freq. assign. ID	0001497030		
Emission designator	1M53G7W		
Antenna Polarisation	V - Vertical linear		
Antenna height (m)	58		

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 155	300.0
155 - 195	150.0
195 - 255	75.0
255 - 295	150.0
295 - 360	300.0

Advisory Notes applying to Station 7

This service may be operating with a lower effective radiated power (ERP) than permitted by this apparatus licence.

Special Conditions applying to Station 7

This specification authorises the use of a 'repeater multiplex transmitter'.

Station 8:

Site details

Site ID	53537
Site address	Broadcast/Comms (Optus) Tower Sydney Water Board Site, off Plateau Rd, BILGOLA PLATEAU NSW 2107
Co-ordinates (GDA94)	Latitude: -33.643327 Longitude: 151.314316

Transmitter details

General Area Served	Sydney Northern Beaches
Technical specification no.	1137039
Assigned frequency	206.352 MHz
Freq. assign. ID	0001497031
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	37

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 40	75.0
40 - 80	150.0
80 - 300	300.0
300 - 340	150.0
340 - 360	75.0

Advisory Notes applying to Station 8

This service may be operating with a lower effective radiated power (ERP) than permitted by this apparatus licence.

Special Conditions applying to Station 8

This specification authorises the use of a 'repeater multiplex transmitter'.

Station 9:

Site details

Site ID	131097		
Site address	Vodafone-Optus-Telstra Site Jannali Reserve off, Coolgardi Place, BONNET BAY NSW 2232		
Co-ordinates (GDA94)	Latitude: -34.018410	Longitude:	151.054406

Transmitter details

General Area Served	Sutherland
Technical specification no.	12000670
Assigned frequency	206.352 MHz
Freq. assign. ID	0002445966
Emission designator	1M53G7W
Antenna Polarisation	V - Vertical linear
Antenna height (m)	32

Radiation pattern details

Bearing or Sector (°T)	Maximum ERP (W)
0 - 210	300.0
210 - 250	150.0
250 - 310	75.0
310 - 350	150.0
350 - 360	300.0

Special Conditions applying to Station 9

This specification authorises the use of a 'repeater multiplex transmitter'.