



Radiocommunications (Digital Radio Channels — NSW/ACT) Plan Variation 2015 (No. 1)

Radiocommunications Act 1992

The AUSTRALIAN COMMUNICATIONS AND MEDIA AUTHORITY makes this Plan Variation under subsection 44A (6) of the *Radiocommunications Act 1992*.

Dated 5th May 2015

Chris Chapman
[signed]
Member

Richard Bean
[signed]
Member/~~General Manager~~

Australian Communications and Media Authority

1 Name of Plan Variation

This Plan Variation is the *Radiocommunications (Digital Radio Channels — NSW/ACT) Plan Variation 2015 (No. 1)*.

2 Commencement

This Plan Variation commences on the day after it is registered.

Note All legislative instruments and compilations are registered on the Federal Register of Legislative Instruments kept under the *Legislative Instruments Act 2003*. See <http://www.comlaw.gov.au>.

3 Amendment of Radiocommunications (Digital Radio Channels — NSW/ACT) Plan 2007

Schedule 1 amends the *Radiocommunications (Digital Radio Channels — NSW/ACT) Plan 2007* [F2009C00073].

Schedule 1 Amendments

(section 3)

[1] After section 5

insert

6 Co-channel transmitters

The technical specifications for a co-channel transmitter licensed under a relevant digital radio multiplex transmitter licence are those determined by the technical planning guidelines.

Note As at the date of the commencement of this section, the technical specifications for a co-channel transmitter licensed under a relevant digital radio multiplex transmitter are set out in Division 8 of Part 8 of the *Broadcasting Services (Technical Planning) Guidelines 2007*.

[2] Schedule 1, after Attachment 1.3

insert

Attachment 1.4 Multiplex Penrith 1

| Column 1 Technical specification | Column 2 Details | | |
|--|---|---------------------------|---------------------|
| Category | 1 | | |
| General Area Served | Penrith | | |
| Mode | DAB | | |
| Specification number | TS1137041 | | |
| <i>Transmitter Site</i> | | | |
| Nominal Location | Broadcast Monopole Aust Radio Network Site 754-768 Hawkesbury Rd HAWKESBURY HEIGHTS | | |
| Australian Map Grid Reference 1966 | Zone Easting Northing 56 281062 6272028 | | |
| Site Tolerance | Refer to technical planning guidelines | | |
| <i>Emission</i> | | | |
| Frequency Band | VHF | | |
| Centre Frequency | 202.928 MHz (Frequency Block 9A) | | |
| Polarisation | Vertical | | |
| Maximum antenna height | 42 m | | |
| <i>Output Radiation Pattern</i> | | | |
| Bearing or sector (clockwise direction) | Depression angle | Maximum ERP | |
| | | At or above dividing line | Below dividing line |
| 0 °T – 220 °T | All angles | 300 W | |
| 220 °T – 260 °T | All angles | 150 W | |
| 260 °T – 320 °T | All angles | 75 W | |
| 320 °T – 360 °T | All angles | 150 W | |

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.

Advisory Note

This technical specification has been included in this plan because the transmission site is outside the Sydney RA1 licence area.

Attachment 1.5 Multiplex Penrith 2

| Column 1 Technical specification | Column 2 Details | |
|--|---|-------|
| Category | 1 | |
| General Area Served | Penrith | |
| Mode | DAB | |
| Specification number | TS1137056 | |
| <i>Transmitter Site</i> | | |
| Nominal Location | Broadcast Monopole Aust Radio Network Site 754-768 Hawkesbury Rd HAWKESBURY HEIGHTS | |
| Australian Map Grid Reference 1966 | Zone Easting Northing 56 281062 6272028 | |
| Site Tolerance | Refer to technical planning guidelines | |
| <i>Emission</i> | | |
| Frequency Band | VHF | |
| Centre Frequency | 204.640 MHz (Frequency Block 9B) | |
| Polarisation | Vertical | |
| Maximum antenna height | 42 m | |
| Bearing or sector (clockwise direction) | Depression angle | |
| | Maximum ERP | |
| | At or above dividing line Below dividing line | |
| 0 °T – 220 °T | All angles | 300 W |
| 220 °T – 260 °T | All angles | 150 W |
| 260 °T – 320 °T | All angles | 75 W |
| 320 °T – 360 °T | All angles | 150 W |

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.

Advisory Note

This technical specification has been included in this plan because the transmission site is outside the Sydney RA1 licence area.

Attachment 1.6 Multiplex Penrith 3

| Column 1 Technical specification | Column 2 Details | |
|--|---|-------|
| Category | 3 | |
| General Area Served | Penrith | |
| Mode | DAB | |
| Specification number | TS1137057 | |
| <i>Transmitter Site</i> | | |
| Nominal Location | Broadcast Monopole Aust Radio Network Site 754-768 Hawkesbury Rd HAWKESBURY HEIGHTS | |
| Australian Map Grid Reference 1966 | Zone Easting Northing 56 281062 6272028 | |
| Site Tolerance | Refer to technical planning guidelines | |
| <i>Emission</i> | | |
| Frequency Band | VHF | |
| Centre Frequency | 206.352 MHz (Frequency Block 9C) | |
| Polarisation | Vertical | |
| Maximum antenna height | 42 m | |
| Bearing or sector (clockwise direction) | Depression angle | |
| | Maximum ERP | |
| | At or above dividing line Below dividing line | |
| 0 °T – 220 °T | All angles | 300 W |
| 220 °T – 260 °T | All angles | 150 W |
| 260 °T – 320 °T | All angles | 75 W |
| 320 °T – 360 °T | All angles | 150 W |

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.

Advisory Note

This technical specification has been included in this plan because the transmission site is outside the Sydney RA1 licence area.