



## **Radiocommunications (Television Outside Broadcasting) (2010–2110 MHz and 2200–2300 MHz) Frequency Band Plan 2022**

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The Australian Communications and Media Authority makes the following frequency band plan under subsection 32(1) of the *Radiocommunications Act 1992*.

Dated: 23 June 2022

James Cameron  
[signed]  
Member

Cathy Rainsford  
[signed]  
~~Member~~/General Manager

Australian Communications and Media Authority

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## 1 Name

This is the *Radiocommunications (Television Outside Broadcasting) (2010–2110 MHz and 2200–2300 MHz) Frequency Band Plan 2022*.

## 2 Commencement

This instrument commences at the start of the day after the day it is registered on the Federal Register of Legislation.

Note: The Federal Register of Legislation may be accessed, free of charge, at [www.legislation.gov.au](http://www.legislation.gov.au).

## 3 Revocation

The *Television Outside Broadcast Service (1980–2110 MHz and 2170–2300 MHz) Frequency Band Plan 2012* (F2012L00731) is revoked.

## 4 Authority

This instrument is made under subsection 32(1) of the Act.

## 5 Interpretation

(1) In this instrument:

***airborne television outside broadcast station*** means a television outside broadcast station that is on board an aircraft.

***fixed licence (point to point station)*** means a fixed licence authorising the holder to operate a point to point station.

***fixed service (point to point)*** means radiocommunications made by the operation of a radiocommunications transmitter authorised by a fixed licence (point to point station).

***GDA94*** means the geodetic datum designated as the “Geocentric Datum of Australia (GDA)”, gazetted in the Commonwealth of Australia *Gazette* No. GN 35, on 6 September 1995, as existing on that date.

Note 1: The Commonwealth of Australia *Gazette* No. GN 35 is available, free of charge, from the Federal Register of Legislation at [www.legislation.gov.au](http://www.legislation.gov.au).

Note 2: More information on GDA94 can be obtained, free of charge, from Geoscience Australia at [www.ga.gov.au](http://www.ga.gov.au) and from the Intergovernmental Committee on Surveying and Mapping at [www.icsm.gov.au](http://www.icsm.gov.au).

***television outside broadcast service*** means radiocommunications made by the operation of a television outside broadcast station.

Note 1: A number of other expressions used in this instrument are defined in the Act, including the following:

- aircraft;
- frequency band;
- operate;
- radiocommunication;
- radiocommunications transmitter;
- spectrum plan.

Note 2: A number of other expressions used in this instrument may be defined in a determination made under section 64 of the *Australian Communications and Media Authority Act 2005*. At the time this instrument was made, the following expressions were defined in such a determination:

- Act;

- earth station;
  - earth receive station;
  - fixed licence;
  - point to point station;
  - television outside broadcast station.
- (2) In this instrument, unless otherwise specified, a reference to a frequency band, or a part of a frequency band, includes all frequencies that are greater than but not including the lower frequency, up to and including the higher frequency.
- Note: This subsection means the lower number in the reference to a frequency band, or a part of the frequency band, is not included in the frequency band or part.
- (3) In this instrument, geographic coordinates describing a point do so with reference to GDA94.
- (4) In this instrument, unless the contrary intention appears, where an area (**first area**) overlaps a second area, the first area is taken to be part of the second area.

## 6 References to other instruments

In this instrument, unless the contrary intention appears:

- (a) a reference to any other legislative instrument is a reference to that other legislative instrument as in force from time to time; and
- (b) a reference to any other kind of instrument or writing is a reference to that other instrument or writing as in force or existing from time to time.

Note 1: For references to Commonwealth Acts, see section 10 of the *Acts Interpretation Act 1901*; and see also subsection 13(1) of the *Legislation Act 2003* for the application of the *Acts Interpretation Act 1901* to legislative instruments.

Note 2: All Commonwealth Acts and legislative instruments are registered on the Federal Register of Legislation.

Note 3: See section 314A of the Act.

## 7 Purposes of 2010–2110 MHz and 2200–2300 MHz frequency bands

- (1) The 2010 MHz to 2110 MHz frequency band may be used for the following purposes:
- (a) a television outside broadcast service;
  - (b) subject to section 8, a fixed service (point to point);
  - (c) subject to section 9, the operation of an earth station in the 2025 MHz to 2110 MHz frequency band;
  - (d) if column 2 of the Table of Frequency Band Allocations in Part 2 of the spectrum plan mentions another service for the entire frequency band – subject to this instrument, that service; and
  - (e) if column 2 of the Table of Frequency Band Allocations in Part 2 of the spectrum plan mentions another service for a part of the frequency band – subject to this instrument, that service in that part of the frequency band.
- (2) The 2200 MHz to 2300 MHz frequency band may be used for the following purposes:
- (a) a television outside broadcast service, other than a service involving the operation of an airborne television outside broadcast station;
  - (b) subject to section 8, a fixed service (point to point);
  - (c) subject to section 9, the operation of an earth receive station;
  - (d) if column 2 of the Table of Frequency Band Allocations in Part 2 of the spectrum plan mentions another service for the entire frequency band – subject to this instrument, that service; and

- (e) if column 2 of the Table of Frequency Band Allocations in Part 2 of the spectrum plan mentions another service for a part of the frequency band – subject to this instrument, that service in that part of the frequency band.

### **8 Fixed service (point to point)**

- (1) A frequency band specified in section 7 must only be used for the purposes of a fixed service (point to point) in accordance with this section.
- (2) The 2010 MHz to 2110 MHz frequency band must not be used for the purposes of a fixed service (point to point) in an area described in item 1 of Schedule 1.
- (3) If the 2010 MHz to 2110 MHz frequency band is used for the purposes of a fixed service (point to point) in the area described in item 1 of Schedule 2, the service is operated as a **secondary service** for the purposes of the spectrum plan.

Note: See section 6 of the spectrum plan.

- (4) The 2200 MHz to 2300 MHz frequency band must not be used for the purposes of a fixed service (point to point) in an area described in item 2 of Schedule 1.

### **9 Use of earth stations and earth receive stations**

- (1) A frequency band specified in section 7 must only be used for the purposes of operating an earth station or earth receive station in accordance with this section.
- (2) The part of the 2010 MHz to 2110 MHz frequency band above 2025 MHz must not be used for the purposes of operating an earth station in the Perth area.
- (3) The 2200 MHz to 2300 MHz frequency band must not be used for the purposes of operating an earth receive station in the Perth area.
- (4) In this section, **Perth area** means the area described by a circle with a radius of 15 kilometres whose centre is located at latitude 31.802522 South and longitude 115.885160 East.

## Schedule 1 Areas not for fixed service (point to point)

(subsections 8(2) and (4))

### 1 Areas not for fixed service (point to point) – 2010 MHz to 2110 MHz

Each circle:

- (a) centred at a point with the latitude in an item in column 1 and the longitude in the corresponding item in column 2; and
  - (b) with a radius of 150 kilometres;
- is an area described in this item for the purposes of subsection 8(2).

Item	Column 1	Column 2
	Latitude	Longitude
1	37.814048° S	144.971860° E
2	37.838770° S	144.996027° E
3	37.834878° S	145.348522° E
4	37.818493° S	144.957138° E
5	37.880993° S	144.999082° E
6	37.828212° S	145.353244° E
7	33.819533° S	151.185321° E
8	33.810644° S	151.196709° E
9	33.781756° S	151.070600° E
10	33.868699° S	151.209488° E
11	33.934533° S	151.156990° E
12	33.805366° S	151.181432° E
13	32.890085° S	151.538640° E
14	27.463138° S	152.948007° E
15	27.472304° S	153.025227° E
16	27.969524° S	153.213562° E
17	26.789806° S	152.918280° E
18	28.001189° S	153.426614° E
19	35.269830° S	149.158148° E
20	35.275386° S	149.097593° E
21	42.897395° S	147.236091° E
22	34.979923° S	138.707189° E
23	34.887980° S	138.613856° E

Schedule 1

24	34.924647° S	138.598579° E
25	31.950754° S	115.872040° E
26	31.953254° S	115.855373° E
27	32.012419° S	116.061762° E
28	32.008252° S	116.083985° E
29	31.878253° S	115.859817° E
30	32.057978° S	115.751210° E
31	12.463580° S	130.835066° E
32	12.464135° S	130.844233° E
33	12.448302° S	130.836455° E

**2 Areas not for fixed service (point to point) – 2200 MHz to 2300 MHz**

Each circle:

- (a) centred at a point with the latitude in an item in column 1 and the longitude in the corresponding item in column 2; and
  - (b) with a radius of 150 kilometres;
- is an area described in this item for the purposes of subsection 8(4).

Item	Column 1	Column 2
	Latitude	Longitude
1	37.814048° S	144.971860° E
2	37.838770° S	144.996027° E
3	37.834878° S	145.348522° E
4	37.818493° S	144.957138° E
5	37.880993° S	144.999082° E
6	37.828212° S	145.353244° E
7	33.819533° S	151.185321° E
8	33.810644° S	151.196709° E
9	33.781756° S	151.070600° E
10	33.868699° S	151.209488° E
11	33.934533° S	151.156990° E
12	33.805366° S	151.181432° E
13	32.890085° S	151.538640° E
14	27.463138° S	152.948007° E
15	27.472304° S	153.025227° E

## Schedule 1

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16	27.969524° S	153.213562° E
17	26.789806° S	152.918280° E
18	28.001189° S	153.426614° E
19	35.269830° S	149.158148° E
20	35.275386° S	149.097593° E
21	42.897395° S	147.236091° E
22	34.979923° S	138.707189° E
23	34.887980° S	138.613856° E
24	34.924647° S	138.598579° E
25	31.950754° S	115.872040° E
26	31.953254° S	115.855373° E
27	32.012419° S	116.061762° E
28	32.008252° S	116.083985° E
29	31.878253° S	115.859817° E
30	32.057978° S	115.751210° E

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## Schedule 2 Area for fixed service (point to point) – where secondary service

(subsection 8(3))

### 1 Area for fixed service (point to point) – where secondary service

The area bounded by the polygon:

- (a) starting at the point with the latitude in column 1 of item 1 and the longitude in column 2 of item 1 (*starting point*); and
  - (b) moving sequentially through each point (after the starting point) with the latitude in an item in column 1 and the longitude in the corresponding item in column 2; and
  - (c) after the last point, returning to the starting point;
- but excluding each area described in item 2, is the area described in this item for the purposes of subsection 8(3).

Item	Column 1	Column 2
	Latitude	Longitude
1	31.998556° S	136.001359° E
2	31.998546° S	137.001345° E
3	31.998537° S	138.001335° E
4	31.998521° S	139.001320° E
5	31.998513° S	140.001305° E
6	31.998499° S	141.001291° E
7	32.998503° S	141.001301° E
8	32.998492° S	142.001289° E
9	32.998484° S	143.001274° E
10	33.998489° S	143.001286° E
11	33.998479° S	144.001273° E
12	33.998470° S	145.001258° E
13	33.998459° S	146.001242° E
14	33.998450° S	147.001227° E
15	32.998449° S	147.001211° E
16	32.998441° S	148.001196° E
17	31.998441° S	148.001188° E
18	30.998441° S	148.001176° E
19	30.998435° S	149.001159° E
20	29.998435° S	149.001149° E
21	28.998437° S	149.001143° E

*Radiocommunications (Television Outside Broadcasting) (2010–2110 MHz and 2200–2300 MHz) Frequency Band Plan 2022*



Schedule 2

22	28.998431° S	150.001125° E
23	27.998425° S	150.001112° E
24	26.998429° S	150.001100° E
25	25.998434° S	150.001089° E
26	24.998427° S	150.001086° E
27	24.998425° S	151.001070° E
28	24.998429° S	152.001054° E
29	24.998417° S	153.001040° E
30	24.998402° S	154.001025° E
31	25.998401° S	154.001033° E
32	26.998397° S	154.001041° E
33	27.998398° S	154.001049° E
34	28.998397° S	154.001059° E
35	29.998395° S	154.001068° E
36	30.998395° S	154.001078° E
37	31.998395° S	154.001088° E
38	31.998405° S	153.001103° E
39	32.998404° S	153.001116° E
40	32.998415° S	152.001132° E
41	33.998414° S	152.001145° E
42	34.998416° S	152.001158° E
43	34.998426° S	151.001172° E
44	35.998427° S	151.001188° E
45	36.998431° S	151.001203° E
46	37.998434° S	151.001218° E
47	37.998444° S	150.001236° E
48	37.998457° S	149.001255° E
49	38.998459° S	149.001268° E
50	39.998464° S	149.001286° E
51	40.998469° S	149.001304° E
52	41.998475° S	149.001323° E
53	42.998481° S	149.001343° E
54	43.998488° S	149.001364° E

## Schedule 2

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55	43.998499° S	148.001382° E
56	43.998511° S	147.001401° E
57	43.998522° S	146.001418° E
58	43.998534° S	145.001436° E
59	42.998527° S	145.001413° E
60	41.998522° S	145.001384° E
61	41.998531° S	144.001408° E
62	40.998524° S	144.001387° E
63	40.998536° S	143.001403° E
64	39.998529° S	143.001383° E
65	38.998522° S	143.001358° E
66	38.998534° S	142.001379° E
67	38.998546° S	141.001393° E
68	38.998557° S	140.001407° E
69	37.998545° S	140.001384° E
70	37.998562° S	139.001401° E
71	36.998554° S	139.001381° E
72	36.998567° S	138.001396° E
73	36.998578° S	137.001408° E
74	36.998590° S	136.001420° E
75	35.998576° S	136.001402° E
76	34.998562° S	136.001392° E
77	33.998560° S	136.001384° E
78	32.998557° S	136.001369° E
79	31.998556° S	136.001359° E

## 2 Areas excluded from the area in item 1

For item 1, each circle:

- (a) centred at a point with the latitude in an item in column 1 and the longitude in the corresponding item in column 2; and
  - (b) with a radius of 150 kilometres;
- is an area described in this item.

Schedule 2

<b>Item</b>	<b>Column 1</b>	<b>Column 2</b>
	<b>Latitude</b>	<b>Longitude</b>
1	37.814048° S	144.971860° E
2	37.838770° S	144.996027° E
3	37.834878° S	145.348522° E
4	37.818493° S	144.957138° E
5	37.880993° S	144.999082° E
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9	33.781756° S	151.070600° E
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11	33.934533° S	151.156990° E
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20	35.275386° S	149.097593° E
21	42.897395° S	147.236091° E
22	34.979923° S	138.707189° E
23	34.887980° S	138.613856° E
24	34.924647° S	138.598579° E