

**RADIO SPECTRUM
MANAGEMENT**



Crown Management Right Band Plans (PIB 24)

Issue 2.2 | November 2023



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HĪKINA WHAKATUTUKI

[New Zealand Government](#)

Table of Contents

1. Introduction	1
1.1 Contents	1
1.2 Disclaimer	1
1.3 Changes	1
1.4 Clarification and corrections	1
1.5 Amendment history	2
1.6 Abbreviations and terminology	2
2. Medium Frequency - Amplitude Modulated Broadcasting (AM)	3
2.1 MF-AM Band 0.521 - 1.612 MHz	3
2.2 MF-AM Channels	4
2.3 MF-AM Channel Plan	6
3. Very High Frequency - Frequency Modulated Broadcasting (FM)	7
3.1 VHF-FM Band 87.5-108 MHz	7
3.2 VHF-FM Channels	8
3.3 VHF-FM Channel Plan	10
4. Digital Television Broadcasting (DTV)	11
5.1 DTV Band 510 - 606 MHz	11
5.2 DTV Channels	12
5 Appendix	13
Reference documents	

1. Introduction

1.1 Contents

This Public Information Brochure (PIB 24) is intended as a convenient reference guide to the Management Rights managed by the Crown. It details the frequencies, band plans and channelling for Broadcasting services.

The inclusion of a band plan, or a particular channel in any band plan, does not necessarily mean that the band or channel is available for licensing.

1.2 Disclaimer

The Ministry of Business, Innovation and Employment (the Ministry) makes no warranty, express or implied, nor assumes any liability for any loss suffered, whether arising directly, or indirectly, due to the sole reliance on the accuracy or contents of this Public Information Brochure (PIB 24).

1.3 Changes

Radio Spectrum Management (RSM) may change, delete or add to or otherwise amend information contained in this PIB from time to time to reflect evolving policies. Changes to this document will be notified through the 'Radio Spectrum Management Business Update' newsletter that is emailed to those who subscribe. The changes are also notified in the News section on the RSM website www.rsm.govt.nz.

1.4. Clarification and corrections

RSM will provide clarification of the information contained in this document when requested and would appreciate receiving suggestions for its improvement or advice relating to inaccuracies or ambiguities. Such matters may be emailed to radio.spectrum@mbie.govt.nz. Correspondence received will be acknowledged, investigated and appropriate action taken.

1.5 Amendment history

Issue	Date of effect	Description of amendment	Authorised by
1	February 2015	Information collated into Issue 1	Len Starling
1.1	June 2016	Reformatted headers, footers and content to align with PIB 21. Moved ISSN number from cover page to Introduction page. Updated table of contents	Len Starling
2	August 2018	Update of FM channel plan Addition of Land Mobile Radio band	Len Starling

Issue	Date of effect	Description of amendment	Authorised by
2.1	March 2022	Changes to DTV Management Right number and upper frequency limit	Dan O'Grady
2.2	November 2023	Update of FM channel plan. Deletion of expired management right	Dan O'Grady

1.6 Abbreviations and terminology

Abbreviation	Meaning
AM	Amplitude Modulation
DTV	Digital Television
FM	Frequency Modulation
MBIE	Ministry of Business, Innovation and Employment (the Ministry)
MF	Medium Frequency (0.3 - 3 MHz)
PIB	Public Information Brochure
RSM	Radio Spectrum Management
VHF	Very High Frequency (30 - 300 MHz)
UHF	Ultra High Frequency (300 - 3000 MHz)

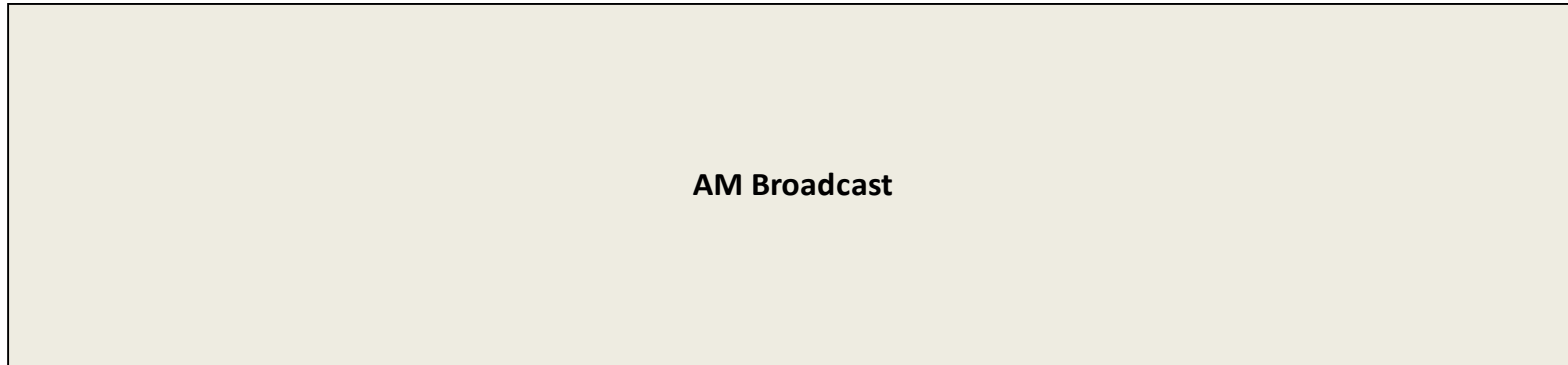
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2. Medium Frequency - Amplitude Modulated Broadcasting (AM)

2.1. MF-AM Band 0.521 - 1.612 MHz

0.521 MHz

1.612 MHz

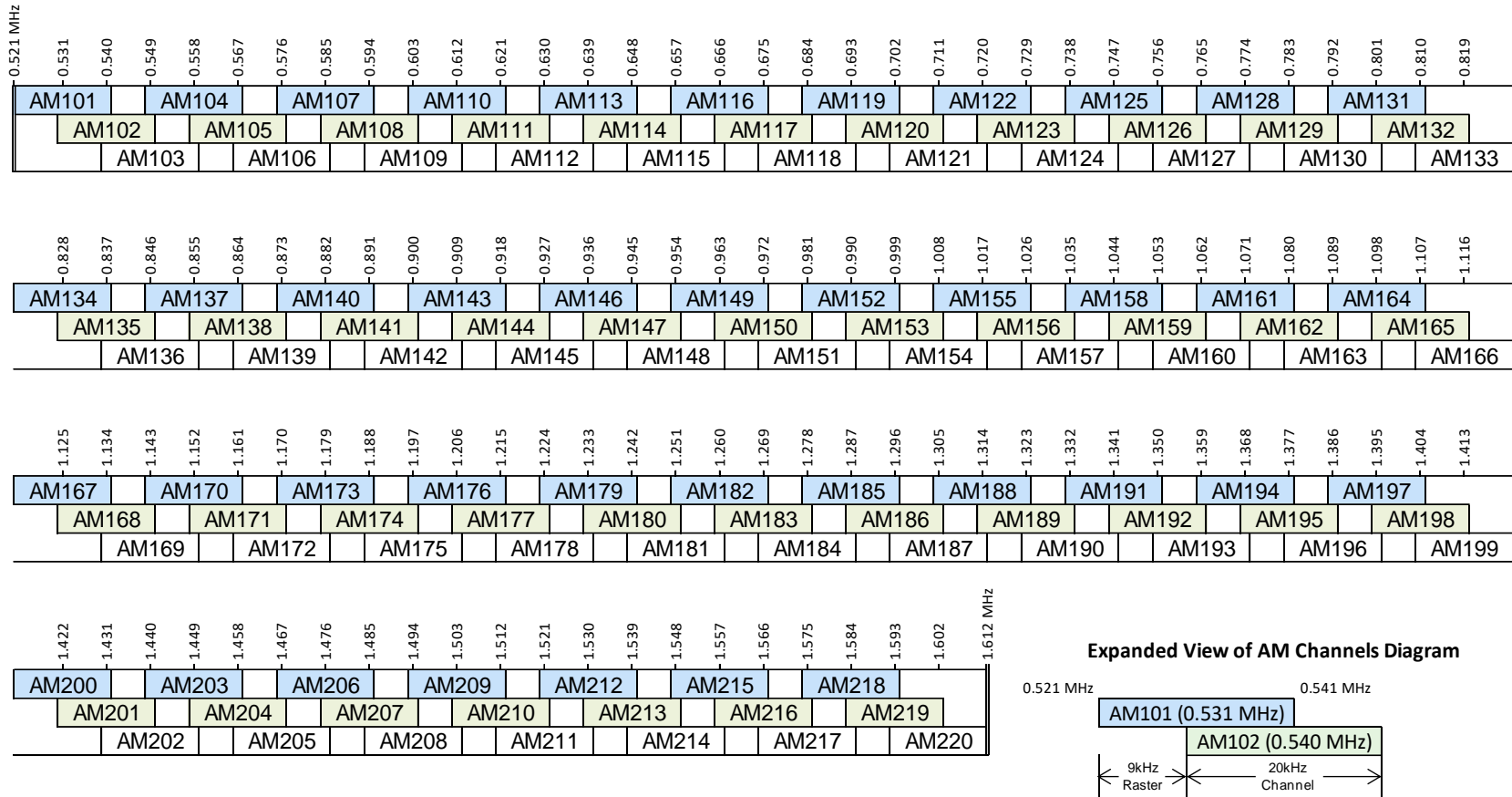


2.2 MF-AM Channels

MF-AM		20 kHz Channels 9 kHz Spaced		20 kHz Channels 9 kHz Spaced	
Channel	Ref.Frequency (MHz)	Channel	Ref.Frequency (MHz)	Channel	Ref.Frequency (MHz)
AM101	0.531	AM143	0.909		
AM102	0.540	AM144	0.918		
AM103	0.549	AM145	0.927		
AM104	0.558	AM146	0.936		
AM105	0.567	AM147	0.945		
AM106	0.576	AM148	0.954		
AM107	0.585	AM149	0.963		
AM108	0.594	AM150	0.972		
AM109	0.603	AM151	0.981		
AM110	0.612	AM152	0.990		
AM111	0.621	AM153	0.999		
AM112	0.630	AM154	1.008		
AM113	0.639	AM155	1.017		
AM114	0.648	AM156	1.026		
AM115	0.657	AM157	1.035		
AM116	0.666	AM158	1.044		
AM117	0.675	AM159	1.053		
AM118	0.684	AM160	1.062		
AM119	0.693	AM161	1.071		
AM120	0.702	AM162	1.080		
AM121	0.711	AM163	1.089		
AM122	0.720	AM164	1.098		
AM123	0.729	AM165	1.107		
AM124	0.738	AM166	1.116		
AM125	0.747	AM167	1.125		
AM126	0.756	AM168	1.134		
AM127	0.765	AM169	1.143		
AM128	0.774	AM170	1.152		
AM129	0.783	AM171	1.161		
AM130	0.792	AM172	1.170		
AM131	0.801	AM173	1.179		
AM132	0.810	AM174	1.188		
AM133	0.819	AM175	1.197		
AM134	0.828	AM176	1.206		
AM135	0.837	AM177	1.215		
AM136	0.846	AM178	1.224		
AM137	0.855	AM179	1.233		
AM138	0.864	AM180	1.242		
AM139	0.873	AM181	1.251		
AM140	0.882	AM182	1.260		
AM141	0.891	AM183	1.269		
AM142	0.900	AM184	1.278		

MF-AM			
20 kHz Channels 9 kHz Spaced		20 kHz Channels 9 kHz Spaced	
Channel	Ref.Frequency (MHz)	Channel	Ref.Frequency (MHz)
AM185	1.287	AM203	1.449
AM186	1.296	AM204	1.458
AM187	1.305	AM205	1.467
AM188	1.314	AM206	1.476
AM189	1.323	AM207	1.485
AM190	1.332	AM208	1.494
AM191	1.341	AM209	1.503
AM192	1.350	AM210	1.512
AM193	1.359	AM211	1.521
AM194	1.368	AM212	1.530
AM195	1.377	AM213	1.539
AM196	1.386	AM214	1.548
AM197	1.395	AM215	1.557
AM198	1.404	AM216	1.566
AM199	1.413	AM217	1.575
AM200	1.422	AM218	1.584
AM201	1.431	AM219	1.593
AM202	1.440	AM220	1.602

2.3 MF-AM Channel Plan



3. Very High Frequency - Frequency Modulated Broadcasting (FM)

3.1 VHF-FM Band 87.5-108 MHz

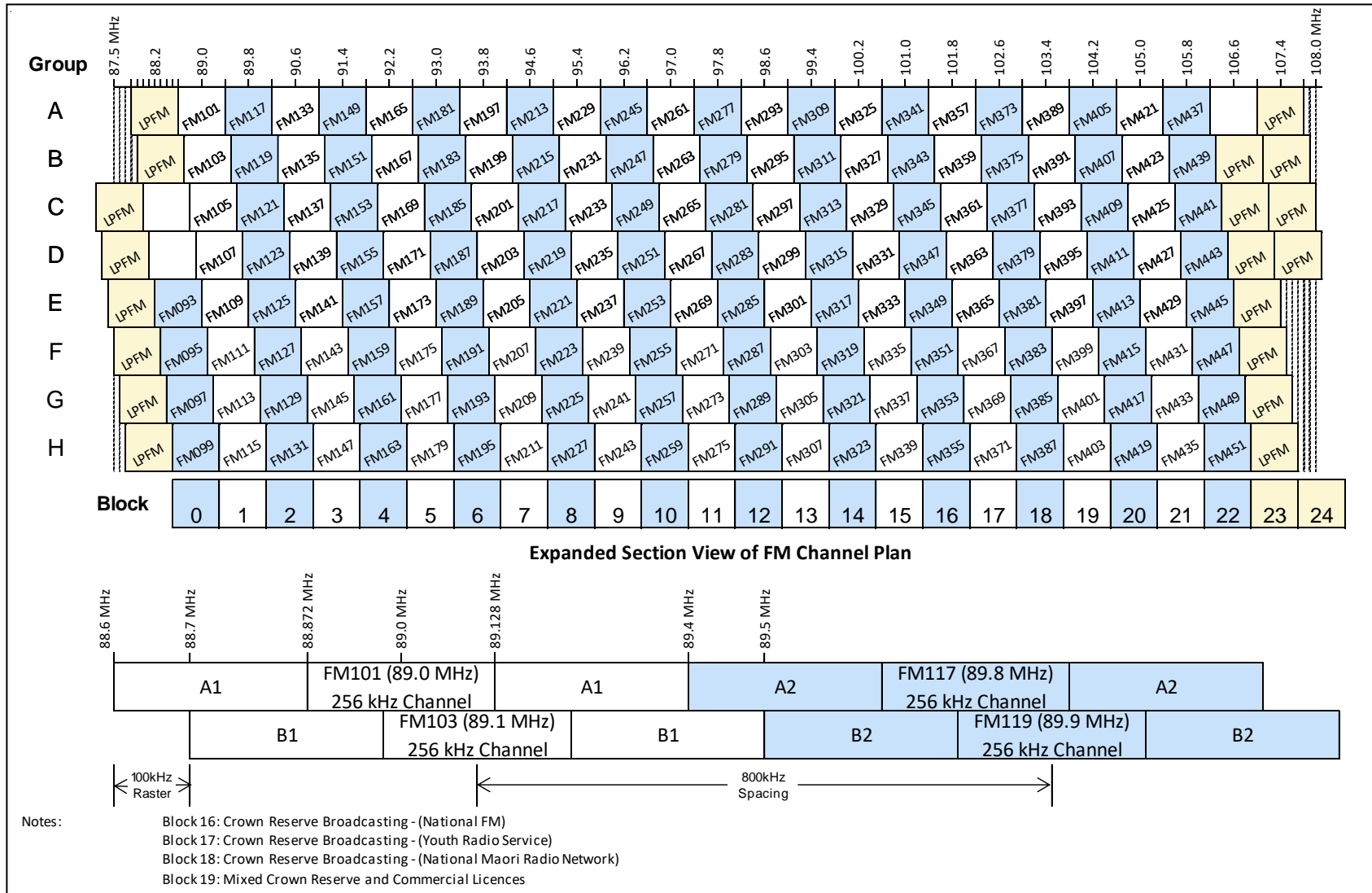


3.2 VHF-FM Channels

Frequency Modulated Broadcasting			
256 kHz Channels 100 kHz Spaced		256 kHz Channels 100 kHz Spaced	
Channel	Ref.Frequency (MHz)	Channel	Ref.Frequency (MHz)
FM093	88.600	FM177	92.800
FM095	88.700	FM179	92.900
FM097	88.800	FM181	93.000
FM099	88.900	FM183	93.100
FM101	89.000	FM185	93.200
FM103	89.100	FM191	93.500
FM105	89.200	FM193	93.600
FM107	89.300	FM195	93.700
FM109	89.400	FM197	93.800
FM111	89.500	FM199	93.900
FM113	89.600	FM201	94.000
FM115	89.700	FM203	94.100
FM117	89.800	FM205	94.200
FM119	89.900	FM207	94.300
FM121	90.000	FM209	94.400
FM123	90.100	FM211	94.500
FM125	90.200	FM213	94.600
FM127	90.300	FM215	94.700
FM129	90.400	FM217	94.800
FM131	90.500	FM219	94.900
FM133	90.600	FM221	95.000
FM135	90.700	FM223	95.100
FM137	90.800	FM225	95.200
FM139	90.900	FM227	95.300
FM141	91.000	FM229	95.400
FM143	91.100	FM231	95.500
FM145	91.200	FM233	95.600
FM147	91.300	FM235	95.700
FM149	91.400	FM237	95.800
FM151	91.500	FM239	95.900
FM153	91.600	FM241	96.000
FM155	91.700	FM243	96.100
FM157	91.800	FM245	96.200
FM159	91.900	FM247	96.300
FM161	92.000	FM249	96.400
FM163	92.100	FM251	96.500
FM165	92.200	FM253	96.600
FM167	92.300	FM255	96.700
FM169	92.400	FM257	96.800
FM171	92.500	FM259	96.900
FM173	92.600	FM261	97.000
FM175	92.700	FM263	97.100

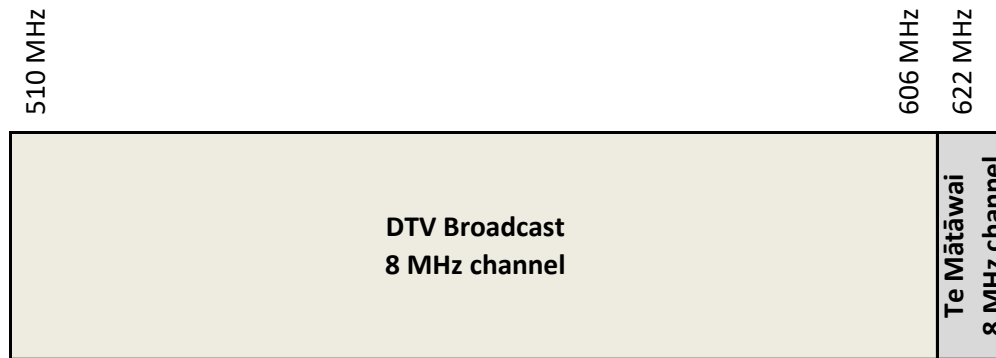
Frequency Modulated Broadcasting			
256 kHz Channels 100 kHz Spaced		256 kHz Channels 100 kHz Spaced	
Channel	Ref.Frequency (MHz)	Channel	Ref.Frequency (MHz)
FM265	97.200	FM359	101.900
FM267	97.300	FM361	102.000
FM269	97.400	FM363	102.100
FM271	97.500	FM365	102.200
FM273	97.600	FM367	102.300
FM275	97.700	FM369	102.400
FM277	97.800	FM371	102.500
FM279	97.900	FM373	102.600
FM281	98.000	FM375	102.700
FM283	98.100	FM377	102.800
FM285	98.200	FM379	102.900
FM287	98.300	FM381	103.000
FM289	98.400	FM383	103.100
FM291	98.500	FM385	103.200
FM293	98.600	FM387	103.300
FM295	98.700	FM389	103.400
FM297	98.800	FM391	103.500
FM299	98.900	FM393	103.600
FM301	99.000	FM395	103.700
FM303	99.100	FM397	103.800
FM305	99.200	FM399	103.900
FM307	99.300	FM401	104.000
FM309	99.400	FM403	104.100
FM311	99.500	FM405	104.200
FM313	99.600	FM407	104.300
FM315	99.700	FM409	104.400
FM317	99.800	FM411	104.500
FM319	99.900	FM413	104.600
FM321	100.000	FM415	104.700
FM323	100.100	FM417	104.800
FM325	100.200	FM419	104.900
FM327	100.300	FM421	105.000
FM329	100.400	FM423	105.100
FM331	100.500	FM425	105.200
FM333	100.600	FM427	105.300
FM335	100.700	FM429	105.400
FM337	100.800	FM431	105.500
FM339	100.900	FM433	105.600
FM341	101.000	FM435	105.700
FM343	101.100	FM437	105.800
FM345	101.200	FM439	105.900
FM347	101.300	FM441	106.000
FM349	101.400	FM443	106.100
FM351	101.500	FM445	106.200
FM353	101.600	FM447	106.300
FM355	101.700	FM449	106.400
FM357	101.800	FM451	106.500

3.3 VHF-FM Channel Plan



4. Digital Television Broadcasting (DTV)

4.1 DTV Band 510 - 622 MHz



Note: Te Mātāwai (Maori Television Service Amendment Act 2013)

4.2 DTV Channels

DTV Broadcasting		
8 MHz Channels 8 MHz Spaced		Management Right/MR Number
Channel	Ref. frequency (MHz)	
DTV26	514	Crown/364
DTV27	522	Crown/364
DTV28	530	Crown/364
DTV29	538	Crown/364
DTV30	546	Crown/364
DTV31	554	Crown/364
DTV32	562	Crown/364
DTV33	570	Crown/364
DTV34	578	Crown/364
DTV35	586	Crown/364
DTV36	594	Crown/364
DTV37	602	Crown/364
DTV38	610	Te Mātāwai/369
DTV39	618	Te Mātāwai/369

5 Appendix

Reference Documents

- PIB 21 Table of Radio Spectrum Usage in New Zealand
- PIB 39 Spectrum Licence Certification Rules for Crown Management Rights
- PIB 59 Policy Rules for Crown Spectrum Management Rights
- ITU-R International Radio Regulations (IRR)
- Radiocommunications Act 1989 (the Act)
- Radiocommunications Regulations 2001 (the Regulations)
- ITU-R Reports and Recommendations