

NZ 2 m Band Plan 2022 FINAL V2.5

Band plan to assist operators to quickly see where they should use their radios.

144.025 to 144.035	Earth-Moon-Earth (EME) All modes (Region-3)
144.000 to 144.100	Earth-Moon-Earth (EME) All modes (Oceania)
144.100	Oceania (External to NZ) SSB & CW Calling.
144.120	JT65, MSK144, Q65, FT4, FT8. Narrow Weak signal DX (All Regions)
144.174	FT8 Narrow Mode Weak Signal DX (Region-3)
144.200	New Zealand (Internal to NZ) SSB & CW Calling.
144.230	Meteor Scatter. All modes.
144.250 to 144.300	Beacons (Geographical Plan - 1 kHz spacing) (Horizontal Polarisation)
144.300 to 144.335	WSPR, FTx, JTx, CW non geographic beacons. Narrow, 200 Hz or less.
144.350	Rotorua Linear Repeater Output.
144.400	Legacy modes. AM, RTTY & Experimental. (Note-1)
144.450	Linear Repeater output Spare for future use. (Note-1)
144.489	WSPR Narrow Mode Weak Signal DX (Region-3) (Note-1)
144.500	FM Calling frequency. (Note-1)
144.550	Narrow Digital mode. (Note-1)
144.575	APRS and Simplex Data. (Note-1)
144.600 to 144.700	Digital Voice (DV) Modes Simplex. (Note-1)
144.625	Digipeaters Licenced in some regions. (Note-2)
144.650	Packet radio, Digipeaters and other legacy data modes
144.725 to 145.200	Repeater Inputs.
145.225	FM Simplex Experimental modes.
145.250	Narrow Band Picture Modes (SSTV, Fax, Hellschreiber etc)
145.275 to 145.300	FM Simplex Experimental modes.
145.325 to 145.775	Repeater Outputs.
145.800 to 146.000	Satellite Operations (Region-3 & International allocation)
145.825	Satellite APRS (Region-3)
146.025 to 146.400	Repeater Inputs.
146.425 to 146.600	FM Simplex General use.
146.625 to 147.375	Repeater Outputs.
147.400 to 147.450	DV Hotspots.
147.475 to 147.600	FM Simplex General use.
147.625 to 147.975	Repeater Inputs.

2 m VHF Notes

Note-1: Australian Beacons operate from 144.400 to 144.600. QRM could be caused to operators listening for Australian beacons.

Note-2: DV Users should give way to Licenced Digipeater traffic.

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430.000 to 431.950	Repeater links and Repeater 7 MHz offset Inputs (See Note-3)
431.950 to 432.000	Earth-Moon-Earth (EME) All modes Guard Band (Oceania)
431.900 to 432.240	Earth-Moon-Earth (EME) All modes (Region-3)
432.065	JT65, MSK144, Q65, FT4, FT8. Narrow weak signal DX (All Regions)
432.100 to 432.300	Narrow Band modes (Bandwidth 6 kHz or less)
432.100	Oceania (External to NZ) SSB & CW Calling
432.174	FT8 Narrow weak signal DX (Region-3)
432.200	New Zealand (Internal to NZ) SSB & CW Calling
432.230	Meteor Scatter. All modes.
432.250 to 432.300	Beacons (Geographical Plan - 1 kHz spacing) (Horizontal Polarisation)
432.300	WSPR Oceania frequency.
432.300 to 432.312	WSPR, FTx, JTx, CW non geographic beacons. Narrow, 200 Hz or less.
432.325 to 432.375	FM Simplex General use.
432.400	Legacy modes. AM, RTTY & Experimental
432.425 to 432.475	FM Simplex Experimental modes.
432.500	FM Calling frequency.
432.525	Legacy modes. AM, RTTY & Experimental
432.550	Narrow Digital modes.
432.575	APRS and Simplex Data.
432.600	Digital Voice (DV) Modes Simplex.
432.625 to 432.675	FM digital modes.
432.650	Packet radio, Digipeaters and other legacy data modes
432.675	Packet radio, Digipeaters (Secondary allocation)
432.700	VOIP FM Simplex.
432.725 to 432.800	Digital Voice (DV) Modes Simplex.
432.825 to 432.975	FM Simplex General use.
433.000 to 434.975	Repeater Inputs / Outputs (See Note-1)
434.800 to 435.000	National System Repeaters Network (See Note-1)
435.000 to 438.000	Satellite Operations (Region-3 & International allocation)
438.000 to 439.775	Repeater Inputs / Outputs (See Note-1) (See Note-2)
438.325 to 438.375	DV Hotspots.
439.800 to 440.000	National System Repeaters Network (See Note-1)

70 cm UHF

Note-1: Repeaters in this band are either Positive or Negative 5 MHz offset but where there are problems with SRD / LIPD devices on the repeater input a suitable offset repeater frequency pair can be obtained from ELG.

Note-2: Repeaters in this band are historically using a negative receive 5 MHz offset, however where avoidance of SRD / LIPD devices may be required, the frequency pairs may be reversed. This is not recommended where the repeater is located in a built up area. Alternatively a 7 MHz negative receive offset can be used where appropriate. See Note-3

Note-3: Used for repeater input links and repeaters with outputs in the 438.000 to 438.950 range. These repeaters are treated on a case by case basis where they may be unable to operate using the standard 5 MHz negative offset due to SRD / LIPD interference.

Note-4: Australian Beacons operate from 432.400 to 432.600. QRM could be caused to operators listening for Australian beacons.

Change Notes:

V1.0 - Added DV Hotspots & Repeater 7 MHz Offset Inputs to Repeater Links.

Added - JT65, FT8 and WSPR (Region-3) Allocations.

V1.1 - Added 144.200 that was missed in first version.

V1.2 - Added (Region-3 & International allocation) in Satellite Operations.

V1.3 - Removed specific DV Modes in favour of DV Modes Simplex frequency range.

V1.4 - Added 2m & 70cm (Region 3) EME and updated EME (Oceania) 70 cm EME (Oceania) guard band. - Added Australian

Beacon Guard band notifications. - Added 2 m DV Hotspot allocation.

V1.5 - Added Positive and Negative Offsets to National System, "legacy" removed. Typo fixed 145.225. AREC removed and now reads FM Simplex General use. Changed 432.300 to 432.375 FM Simplex General use. Added 432.400 Legacy modes. AM, RTTY & Experimental.

V1.6 - Changed 432.700 VOIP FM Simplex. Changed 432.725 to 432.800 Digital Voice (DV) Modes Simplex. Changed 432.575 APRS and Simplex Data (same convention as 2m)

V1.7 - Removed "Hotspots" from other than specified allocation. Removed "Hotspots" from Note-3. Changed to 147.500 to 147.600 FM Simplex General use. Added 147.400 - 147.450 DV hotspots.

Changed to 438.400 to 439.800 Repeater Inputs /

Outputs (See Note-1) (See Note-2) Added 438.325 to 438.375 DV Hotspots.

V1.8 - Changed 432.625 to 432.800 FM digital modes (5 kHz or less deviation) to 432.625 to 432.675 FM digital modes. Changed 432.100 - 432.600 to 432.100 to 432.300 Narrow modes. 432.550 to match 144.550 i.e. 432.550 Narrow Digital modes. Changed 438.000 to 439.800 Repeater Inputs / Outputs (See Note-1)

(See Note-2) to 438.400 to 439.775 Repeater Inputs / Outputs (See Note-1) (See Note-2)

V1.9 - Changed 147.500 to 147.600 FM Simplex General use to 147.475 to 147.600 FM Simplex General use. Changed 438.400 to 439.775 Repeater Inputs / Outputs (See Note-1) (See Note-2) to 438.000 to 439.775 Repeater Inputs / Outputs (See Note-1) (See Note-2)

V2.0 - Clarity changes to Notes sections.

V2.1 - Correction to Note-3 frequency 438.800 to 439.775 now reads 438.000 to 439.775

V2.2 - Added missing weak signal modes, Meteor Scatter (MS) and WSPR 70cm allocation.

Changed 70cm FM Simplex from 432.300 to 432.375 to 432.325 to 432.375.

Clarification of weak signal mode regional use.

Weak signal Software WSJT-X and JTDX use preset easy to select 144.120 and 432.065. Frequency's such as those used for FT8 and WSPR can vary depending on region or legacy use.

V2.3 - Correction to Note-3 typo regarding 7 MHz offset repeaters. Applicable to 438.000 to 438.950. Repeater links within 430.000 to 431.950. 7 MHz offset pair inputs within 431.000 to 431.950.

V2.4 - 70cm WSPR Frequency wording "Legacy" removed. Added WSPR non geographic beacon allocation 144.300 to 144.335 and 432.300 to 432.312. Narrow modes 200 Hz or less. i.e CW, FT8, JT65 WSPR etc.

V2.5 - Added 144.625 as it is a Licenced Digipeater in some regions. 2 m (Note-1) added to frequency listing for clarity.