

# ZL AMATEUR RADIO BEACONS

1<sup>st</sup> March 2025

# On Air - Not Active or Under Construction by Frequency Listing

Station Name	Freq MHz	Station Call-sign	Map Name	Grid Map	Branch Number	Status	Comment
Manawatu WSPR	3.5686	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 100ppm 0.2 -1W 488m ASL
Manawatu WSPR	7.0386	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50 Hz 0.2 -1W 488m ASL
Manawatu WSPR	14.0956	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50 Hz 0.2 -1W 488m ASL
NCDXF 20m	14.100	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
NCDXF 17m	18.110	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
Manawatu WSPR	21.0956	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50 Hz 0.2 -1W 488m ASL
NCDXF 15m	21.150	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
NCDXF 12m	24.930	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
Manawatu WSPR	28.0956	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50 Hz 0.2 -1W 488m ASL
NCDXF 10m	28.200	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
Christchurch 10m	28.228	ZL3TEN	Aylesbury	RE66DL	5	On	20W
Upper Hutt 10m	28.229	ZL2MHF	Upper Hutt Club Rooms	RE78MU	63	On	10W Horizontal end feed wire - FSK-CW
Manawatu 6m	50.024	ZL2SUX	Wharite	RE79VR	Private	On	29W
Christchurch 6m	50.040	ZL3SIX	Aylesbury	RE66DL	5	On	20W
Auckland 6m	50.043	ZL1VHF	Howick	RF73MB	66	On	20W Vertical
Upper Hutt 6m	52.275	ZL2MHF	Upper Hutt Club Rooms	RE78MU	63	Under Construction	10W Vertical Whip - FSK (Unknown on air date)
Blenheim 6m FSK	50.054	ZL2SIX	Wither Hills	RE68XK	22	On	10W Vertical - FSK (28 mins On, 2 mins Off)
Blenheim 6m WSPR	50.294	ZL2SIX	Wither Hills	RE68XK	22	On	40dBm Vertical - WSPR (2 mins every 30 mins)
Auckland 2m	144.253	ZL1VHF	Nihotupu	RE74GB	66	On	5W JT4D + CW
Waikato 2m	144.260	ZL1VHW	Hamilton City	RE72OF	81	Off	10W Omni Horizontal
Manawatu 2m	144.271	ZL2WHO	Wharite	RE79VR	Private	On	29W
Hawkins Hill 2m	144.275	ZL2UHF	Hawkins Hill	RE78IQ	74	Off	12W Horizontal JT4D + FSK-CW
Christchurch 2m	144.285	ZL3VHF	University Building	RE66GL	5	On	25W Phased Turnstiles
Auckland 70cm	432.253	ZL1UHF	Nihotupu	RE74GB	66	On	5W JT4D + CW
Manawatu 70m	432.271	ZL2WHO	Wharite	RE79VR	Private	On	100W Horizontal JT4D + CW
Hawkins Hill 70cm	432.275	ZL2UHF	Hawkins Hill	RE78IQ	74	Off	15W Horizontal JT4D + FSK-CW
Christchurch 70cm	432.285	ZL3VHF	University Building	RE66GL	5	On	25W Phased Turnstiles
Colonial Knob 32cm	925.275	ZL2WA	Colonial Knob	RE78JU	74	Off	5W FM AFSK
Auckland 23cm	1296.253	ZL1UHF	Mt Otau, Nihotupu	RF73GB	66	On	10W JD4D + CW
Manawatu 23m	1296.271	ZL2WHO	Wharite	RE79VR	Private	On	12W Horizontal JT4F + CW
Hawkins Hill 23cm	1296.275	ZL2UHF	Hawkins Hill	RE78IQ	74	Off	6W Horizontal JT4F + FSK-CW
Waikato 12cm	2424.260	ZL1VHW	Takaurunga	RE72XC	81	On	1W Cloverleaf Horizontal
Colonial Knob 9cm	3400.275	ZL2SHF	Colonial Knob	RE78JU	74	Off	Unknown status
Muriwai 5cm	5765.000	ZL1SHF	Muriwai	RE78NU	74	On	0.5W 2x15dBi Horiz.180/270deg true 210mASL
Mt Climie 3cm	10368.275	ZL2VHX	Mt Climie	RE78NU	63	On	8W Horizontal 10dB Omni GPS locked JT4G/CW

Private = Privately owned and operated and not a club beacon.

# ZL AMATEUR RADIO BEACONS

1<sup>st</sup> March 2025

On Air - Not Active or Under Construction by area location

Station Name	Freq MHz	Station Call-sign	Location	Grid Map	Branch Number	Status	Comment
NCDXF 20m	14.100	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
NCDXF 17m	18.110	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
NCDXF 15m	21.150	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
NCDXF 12m	24.930	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
NCDXF 10m	28.200	ZL6B	Masterton	RE79TA	46	On	20W <a href="https://www.ncdxf.org/beacon/">https://www.ncdxf.org/beacon/</a>
Muriwai 5cm	5765.000	ZL1SHF	Muriwai	RE73FD	74	On	0.5W 2x15dBi Horiz.180/270deg true 210mASL
Auckland 6m	50.043	ZL1VHF	Howick	RF73MB	66	On	20W Vertical
Auckland 2m	144.240	ZL1VHF	Nihotupu	RE73GB	66	On	5W Under Construction JT4D + CW
Auckland 70cm	432.240	ZL1UHF	Nihotupu	RE73GB	66	On	5W Under Construction JT4D + CW
Auckland 23cm	1296.253	ZL1UHF	Mt Otau, Nihotupu	RF73GB	66	On	10W JD4D + CW
Waikato 2m	144.260	ZL1VHW	Hamilton City	RE72OF	81	Off	10W Omni Horizontal
Waikato 12cm	2424.260	ZL1VHW	Takaurunga	RE72XC	81	On	1W Cloverleaf Horizontal
Manawatu WSPR	3.5686	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 100ppm 0.2 -1W 488m ASL
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Manawatu WSPR	14.0956	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50Hz 0.2 -1W 488m ASL
Manawatu WSPR	21.0946	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50Hz 0.2 -1W 488m ASL
Manawatu WSPR	28.1246	ZL2KO	Pahiatua Track	RE79VO	20	On	WSPR [+/-] 50Hz 0.2 -1W 488m ASL
Manawatu 6m	50.024	ZL2SUX	Wharite	RE78VR	Private	On	29W
Manawatu 2m	144.271	ZL2WHO	Wharite	RE78VR	Private	On	24W
Manawatu 70cm	432.271	ZL2WHO	Wharite	RE78VR	Private	On	100W Horizontal JT4D + CW
Manawatu 23cm	1296.271	ZL2WHO	Wharite	RE78VR	Private	On	12W Horizontal JT4F + CW
Hawkins Hill 2m	144.275	ZL2UHF	Hawkins Hill	RE78IQ	74	Off	12W Horizontal JT4D + FSK-CW
Hawkins Hill 70cm	432.275	ZL2UHF	Hawkins Hill	RE78IQ	74	Off	6W Horizontal JT4F + FSK-CW
Hawkins Hill 23cm	1296.275	ZL2UHF	Hawkins Hill	RE78IQ	74	Off	8W Horizontal FSK/AFSK
Upper Hutt 10m	28.229	ZL2MHF	Upper Hutt	RE78MU	63	On	10W Horizontal end feed wire - FSK-CW
Upper Hutt 6m	52.275	ZL2MHF	Upper Hutt	RE78MU	63	Under construction	10W Vertical Whip - FSK (Unknown on air date)
Mt Climie 3cm	10368.275	ZL2VHX	Mt Climie	RE78NU	63	On	8W Horizontal 10dB Omni GPS locked JT4G/CW
Colonial Knob 32cm	925.275	ZL2WA	Colonial Knob	RE78JU	74	Off	5W FM AFSK
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Blenheim 6m FSK	50.054	ZL2SIX	Wither Hills	RE68XK	22	On	10W Vertical - FSK (28 mins On, 2 mins Off)
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Christchurch 6m	50.040	ZL3SIX	Aylesbury	RE66DL	5	On	20W
Christchurch 10m	28.228	ZL3TEN	Aylesbury	RE66DL	5	On	20W
Christchurch 2m	144.285	ZL3VHF	University Building	RE66GL	5	On	25W Phased Turnstiles
Christchurch 70cm	432.285	ZL3UHF	University Building	RE66GL	5	On	25W Phased Turnstiles

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## Repeaters with Beacon or IRLP / Echo link key up function

Startion Name	Carrier Freq-MHz	Callsign	Grid	Comment
Mt Climie 1292	1292.000	ZL2VH	RE78NU	Beacons every 15 mins AFSK
Mt Climie 395	53.950	ZL2VH	RE78NU	Beacons every 30 mins AFSK

Repeaters that can be keyed up via the Internet

Mt Climie 730	147.300	ZL2VH	RE78NU	IRLP key up node 6713
Mt Climie 5425	145.425	ZL2VH	RE78NU	Key up via ZL2VH C
Mt Climie 860	438.600	ZL2VH	RE78NU	Key up via ZL2VH B
Mt Grey 675	146.750	ZL3AC	RE66GV	Key up via Canterbury-YSF
Cass Peak 850	438.500	ZL3AC	RE66HI	Key up via Echo Link.

Example of how to use repeaters as beacons.

Stations in Whangarei who have seen the Hepburn index

[http://www.dxinfocentre.com/tropo\\_au.html](http://www.dxinfocentre.com/tropo_au.html)

can key up node 6713 that will activate the Mt Climie 730 repeater.

Using a hand held to access via node 6095 on the ZL1AM 870 UHF repeater.

TX into 870 and listen for carrier in either USB, CW or FM.

If 730 Wellington is heard then the band is open on VHF.

The same applies to Echo Link, D-Star and YSF