

WWARA 2m Band Usage

Band Segment	Existing (Wide)	Revised (Narrow)	Use	Notes
144.0000 - 144.3000			Weak Signal	
144.0000 - 144.0500			EME (CW)	
144.0500 - 144.1000			General CW and Weak Signals	
144.1000 - 144.2000			EME and Weak Signal SSB	
144.2000 - 144.2750			General SSB Operation	
144.2750 - 144.3000			Propagation Beacons	
144.3000 - 144.5000			New OSCAR subband (Satellite)	
144.5000 - 144.6000			FM Repeater/Linear Translator Inputs	1) WWARA coordination recommended 2) Adjoining areas use 20 kHz spacing between repeater channels
	144.5100	144.5000	FM Repeater/Linear Translator Inputs	
		144.5125	FM Repeater/Linear Translator Inputs	
	144.5300	144.5250	FM Repeater/Linear Translator Inputs	145.1250/144.2750 is a Shared Non-Protected Repeater Pair
		144.5375	FM Repeater/Linear Translator Inputs	
	144.5500	144.5500	FM Repeater/Linear Translator Inputs	
		144.5625	FM Repeater/Linear Translator Inputs	
	144.5700	144.5750	FM Repeater/Linear Translator Inputs	
		144.5875	FM Repeater/Linear Translator Inputs	
	144.5900	144.5875	FM Repeater/Linear Translator Inputs	
144.6000 - 144.9000		144.6000	FM Repeater Inputs	1) WWARA coordination recommended 2) Adjoining areas use 20 kHz spacing between repeater channels
	144.6100	144.6125	FM Repeater Inputs	
		144.6250	FM Repeater Inputs	
	144.6300	144.6375	FM Repeater Inputs	
		144.6500	FM Repeater Inputs	
	144.6500	144.6625	FM Repeater Inputs	
		144.6700	FM Repeater Inputs	
	144.6700	144.6750	FM Repeater Inputs	
		144.6875	FM Repeater Inputs	
	144.6900	144.7000	FM Repeater Inputs	
		144.7100	FM Repeater Inputs	145.2875/144.7125 is a Shared Non-Protected (SNP) Repeater Pair
		144.7125	FM Repeater Inputs	
		144.7250	FM Repeater Inputs	
	144.7300	144.7375	FM Repeater Inputs	
	144.7500	144.7500	FM Repeater Inputs	
	144.7700	144.7625	FM Repeater Inputs	
		144.7750	FM Repeater Inputs	
	144.7900	144.7875	FM Repeater Inputs	
		144.8000	FM Repeater Inputs	
	144.8100	144.8125	FM Repeater Inputs	

		144.8250	FM Repeater Inputs	
	144.8300	144.8375	FM Repeater Inputs	
	144.8500	144.8500	FM Repeater Inputs	
		144.8625	FM Repeater Inputs	
	144.8700	144.8750	FM Repeater Inputs	
		144.8875	FM Repeater Inputs	
	144.8900		FM Repeater Inputs	
144.9000 - 145.1000	144.9100		Packet Radio/Digital	
	144.9300		Packet Radio/Digital	
	144.9500		Packet Radio/Digital	
	144.9700		Packet Radio/Digital	
	144.9900		Packet Radio/Digital	
	145.0100		Packet Radio/Digital	
	145.0300		Packet Radio/Digital	
	145.0500		Packet Radio/Digital	
	145.0700		Packet Radio/Digital	
	145.0900		Packet Radio/Digital	This channel could experience adjacent channel issues
145.1000 - 145.2000		145.1000	FM Repeater/Linear Translator Outputs	This channel could experience adjacent channel issues
	145.1100	145.1125	FM Repeater/Linear Translator Outputs	
	145.1300	145.1250	FM Repeater/Linear Translator Outputs	145.1250/144.2750 is a Shared Non-Protected Repeater Pair
		145.1375	FM Repeater/Linear Translator Outputs	
	145.1500	145.1500	FM Repeater/Linear Translator Outputs	
	145.1700	145.1625	FM Repeater/Linear Translator Outputs	
		145.1750	FM Repeater/Linear Translator Outputs	
	145.1900	145.1875	FM Repeater/Linear Translator Outputs	
145.2000 - 145.4900		145.2000	FM Repeater Outputs	
	145.2100	145.2125	FM Repeater Outputs	
	145.2300	145.2250	FM Repeater Outputs	
		145.2375	FM Repeater Outputs	
	145.2500	145.2500	FM Repeater Outputs	
		145.2625	FM Repeater Outputs	
	145.2700	145.2750	FM Repeater Outputs	
	145.2900	145.2875	FM Repeater Outputs	145.2875/144.7125 is a Shared Non-Protected (SNP) Repeater Pair
		145.3000	FM Repeater Outputs	
	145.3100	145.3125	FM Repeater Outputs	
	145.3300	145.3250	FM Repeater Outputs	
		145.3375	FM Repeater Outputs	
	145.3500	145.3500	FM Repeater Outputs	
		145.3625	FM Repeater Outputs	

	145.3700	145.3750	FM Repeater Outputs	
	145.3900	145.3875	FM Repeater Outputs	
		145.4000	FM Repeater Outputs	
	145.4100	145.4125	FM Repeater Outputs	
	145.4300	145.4250	FM Repeater Outputs	
		145.4375	FM Repeater Outputs	
	145.4500	145.4500	FM Repeater Outputs	
		145.4625	FM Repeater Outputs	
	145.4700	145.4750	FM Repeater Outputs	
		145.4875	FM Repeater Outputs	
	145.4900			
	145.5000 - 145.8000		Miscellaneous and Experimental Modes	
	145.8000 - 146.0000		OSCAR Subband (Satellite)	
	146.0100 - 146.4000		Repeater Inputs	1) WWARA coordination recommended 2) Adjoining areas use 20 kHz spacing between repeater channels
	146.0200	146.0250	Repeater Inputs	
	146.0400	146.0375	Repeater Inputs	
		146.0500	Repeater Inputs	
	146.0600	146.0625	Repeater Inputs	
	146.0800	146.0750	Repeater Inputs	
		146.0875	Repeater Inputs	
	146.1000	146.1000	Repeater Inputs	
		146.1125	Repeater Inputs	
	146.1200	146.1250	Repeater Inputs	
	146.1400	146.1375	Repeater Inputs	
		146.1500	Repeater Inputs	
	146.1600	146.1625	Repeater Inputs	
	146.1800	146.1750	Repeater Inputs	
		146.1875	Repeater Inputs	
	146.2000	146.2000	Repeater Inputs	
		146.2125	Repeater Inputs	
	146.2200	146.2250	Repeater Inputs	
	146.2400	146.2375	Repeater Inputs	
		146.2500	Repeater Inputs	
	146.2600	146.2625	Repeater Inputs	
	146.2800	146.2750	Repeater Inputs	
		146.2875	Repeater Inputs	
	146.3000	146.3000	Repeater Inputs	
		146.3125	Repeater Inputs	

	146.3200	146.3250	Repeater Inputs	
	146.3400	146.3375	Repeater Inputs	
	146.3400	146.3500	Repeater Inputs	
	146.3600	146.3625	Repeater Inputs	
	146.3800	146.3750	Repeater Inputs	
		146.3875	Repeater Inputs	
146.4000 - 146.5000			Ultra/Narrowband Repeater Outputs	1) WWARA coordination recommended 5) 12.5 kHz steps, 8 channels to 146.5000, + 1 MHz offset; NBD, UNBD
		146.4125	Ultra/Narrowband Repeater Outputs	
		146.4250	Ultra/Narrowband Repeater Outputs	
		146.4375	Ultra/Narrowband Repeater Outputs	
		146.4500	Ultra/Narrowband Repeater Outputs	
		146.4625	Ultra/Narrowband Repeater Outputs	
		146.4750	Ultra/Narrowband Repeater Outputs	
		146.4875	Ultra/Narrowband Repeater Outputs	
		146.5000	Ultra/Narrowband Repeater Outputs	
146.5200 - 146.5800			FM Simplex	
	146.5200		National FM Simplex Call Channel	
	146.5400		FM Simplex	
	146.5600		FM Simplex	
	146.5800		FM Simplex	
146.6000	146.6000	146.6000	FM cross-band linking frequency	Must use Tone/DCS
146.6200 - 147.3800			Repeater Outputs	1) WWARA coordination recommended 2) Adjoining areas use 20 kHz spacing between repeater channels
	146.6200	146.6250	Repeater Outputs	
	146.6400	146.6375	Repeater Outputs	
		146.6500	Repeater Outputs	
	146.6600	146.6625	Repeater Outputs	
	146.6800	146.6750	Repeater Outputs	
		146.6875	Repeater Outputs	
	146.7000	146.7000	Repeater Outputs	
		146.7125	Repeater Outputs	
	146.7200	146.7250	Repeater Outputs	
		146.7375	Repeater Outputs	
	146.7400	146.7500	Repeater Outputs	
		146.7625	Repeater Outputs	
	146.7600	146.7750	Repeater Outputs	
		146.7875	Repeater Outputs	
	146.7800	146.7875	Repeater Outputs	
	146.8000	146.8000	Repeater Outputs	

		146.8125	Repeater Outputs	
	146.8200	146.8250	Repeater Outputs	
		146.8375	Repeater Outputs	
	146.8400	146.8500	Repeater Outputs	
		146.8625	Repeater Outputs	
	146.8600	146.8750	Repeater Outputs	
		146.8875	Repeater Outputs	
	146.8800	146.9000	Repeater Outputs	
		146.9125	Repeater Outputs	
	146.9200	146.9250	Repeater Outputs	
		146.9375	Repeater Outputs	
	146.9400	146.9500	Repeater Outputs	
		146.9625	Repeater Outputs	
	146.9600	146.9750	Repeater Outputs	
		146.9875	Repeater Outputs	
	146.9800	147.0000	Repeater Outputs	
		147.0125	Repeater Outputs	
	147.0200	147.0250	Repeater Outputs	
		147.0375	Repeater Outputs	
	147.0400	147.0500	Repeater Outputs	
		147.0625	Repeater Outputs	
	147.0600	147.0750	Repeater Outputs	
		147.0875	Repeater Outputs	
	147.0800	147.1000	Repeater Outputs	
		147.1125	Repeater Outputs	
	147.1200	147.1250	Repeater Outputs	
		147.1375	Repeater Outputs	
	147.1400	147.1500	Repeater Outputs	
		147.1625	Repeater Outputs	
	147.1600	147.1750	Repeater Outputs	
		147.1875	Repeater Outputs	
	147.1800	147.2000	Repeater Outputs	
		147.2125	Repeater Outputs	
	147.2200	147.2250	Repeater Outputs	
		147.2375	Repeater Outputs	
	147.2400	147.2500	Repeater Outputs	
		147.2625	Repeater Outputs	
	147.2600	147.2750	Repeater Outputs	
		147.2875	Repeater Outputs	
	147.2800			

	147.3000	147.3000	Repeater Outputs	
		147.3125	Repeater Outputs	
	147.3200	147.3250	Repeater Outputs	
		147.3375	Repeater Outputs	
	147.3400	147.3500	Repeater Outputs	
	147.3600	147.3625	Repeater Outputs	
		147.3750	Repeater Outputs	
	147.3800	147.3875	Repeater Outputs	
147.3950		147.3950	Special Ultra-Narrowband Rpt Input	1) WWARA coordination recommended 6) Two Special UNBD channels, 6.25 kHz bandwidth only
147.4000 - 147.5000			Ultra/Narrowband Repeater Inputs	1) WWARA coordination recommended 5) 12.5 kHz steps, 8 channels to 146.5000, + 1 MHz offset; NBD, UNBD
		147.4125	Ultra/Narrowband Repeater Inputs	
		147.4250	Ultra/Narrowband Repeater Inputs	
		147.4375	Ultra/Narrowband Repeater Inputs	
		147.4500	Ultra/Narrowband Repeater Inputs	
		147.4625	Ultra/Narrowband Repeater Inputs	
		147.4750	Ultra/Narrowband Repeater Inputs	
		147.4875	Ultra/Narrowband Repeater Inputs	
		147.5000	Ultra/Narrowband Repeater Inputs	
147.5200 - 147.6000		147.5125	FM Simplex	Narrowbanding recommended
	147.5200	147.5250	FM Simplex	Narrowbanding recommended
	147.5400	147.5375	FM Simplex	Narrowbanding recommended
		147.5500	FM Simplex	Narrowbanding recommended
	147.5600	147.5625	FM Simplex	Narrowbanding recommended
	147.5800	147.5750	FM Simplex	Narrowbanding recommended
		147.5875	FM Simplex	Narrowbanding recommended
	147.6000	147.6000	FM Simplex	Narrowbanding recommended
147.6100 - 147.9900			Repeater Inputs	1) WWARA coordination recommended 2) Adjoining areas use 20 kHz spacing between repeater channels
	147.6200	147.6125	Repeater Inputs	
		147.6250	Repeater Inputs	
	147.6400	147.6375	Repeater Inputs	
		147.6500	Repeater Inputs	
	147.6600	147.6625	Repeater Inputs	
	147.6800	147.6750	Repeater Inputs	
		147.6875	Repeater Inputs	
	147.7000	147.7000	Repeater Inputs	
		147.7125	Repeater Inputs	

	147.7200	147.7250	Repeater Inputs	
	147.7400	147.7375	Repeater Inputs	
		147.7500	Repeater Inputs	
	147.7600	147.7625	Repeater Inputs	
	147.7800	147.7750	Repeater Inputs	
		147.7875	Repeater Inputs	
	147.8000	147.8000	Repeater Inputs	
		147.8125	Repeater Inputs	
	147.8200	147.8250	Repeater Inputs	
		147.8375	Repeater Inputs	
	147.8400	147.8500	Repeater Inputs	
		147.8625	Repeater Inputs	
	147.8600	147.8750	Repeater Inputs	
		147.8875	Repeater Inputs	
	147.8800	147.9000	Repeater Inputs	
		147.9125	Repeater Inputs	
	147.9200	147.9250	Repeater Inputs	
		147.9375	Repeater Inputs	
	147.9400	147.9500	Repeater Inputs	
		147.9625	Repeater Inputs	
	147.9600	147.9750	Repeater Inputs	
		147.9875	Repeater Inputs	
	147.9800			
	147.9950	147.9950	Special Ultra-Narrowband Rpt Output	
	148.0000	148.0000	Band Edge	

Legend

Weak Signal
OSCAR Subband (Satellite)
FM Repeater
FM Simplex
FM Cross-Band Linking
Ultra/Narrowband Repeaters
Miscellaneous and Experimental Modes
Packet Radio/Digital

Notes

This representation of the wideband vs. narrowband channels is not to scale
Clicking the + to the left of the first column will expand the range to individual channels
NBD - Narrow Band Digital (12.5kHz occupied bandwidth)
UBND - Ultra Narrow Band Digital (6.25kHz occupied bandwidth)

145.1250/144.2750 and 145.2875/144.7125 are Shared Non-Protected Repeater Pairs, meaning they can be registered but not coordinated and are intended for temporary or intermittent use