

KEY:
propagation beacons
radio remote control
radio remote control, surface-to-air
Repeaters, standard 20 kHz spacing
Digital/Packet
uncoordinated activity

NESMC 6m BANDPLAN

12/12/2004

50		51		52		53	
50.000 CW Only*	50.500	51.000	51.500	rptra in	rptra in	rptra out	rptra out
50.060 CW Beacons	all modes	Pacific DX Window	51.520 51.540 FM Simplex 51.560 51.580	52.010 52.030 52.050 52.070 52.090	52.550 52.570 52.590	53.010 53.030 53.050 53.070 53.090	53.550 53.570 53.590
50.080		52.100	51.600	52.110 52.130 52.150 52.170 52.190	52.610 52.630 52.650 52.670 52.690	53.100 53.110 53.130 53.150 53.170 53.190	53.600 53.610 53.630 53.650 53.670 53.690
50.100 DX Window 50.125**	50.600 50.620* non-voice	51.120 51.140 51.160 51.180	51.620 51.640 51.660 51.680	51.200 51.220 51.240 51.260 51.280 51.300 51.320	51.700 51.720 51.740 51.760 51.780 51.800 51.820	52.200 52.210 52.230 52.250 52.270 52.290	52.700 52.710 52.730 52.750 52.770 52.790
CW/SSB	all modes	51.340	51.840	52.210 52.230 52.250 52.270 52.290	52.710 52.730 52.750 52.770 52.790	53.200 53.210 53.230 53.250 53.270 53.290	53.700 53.710 53.730 53.750 53.770 53.790
		51.360	51.860	52.310	52.810	53.300 53.310	53.800 53.810
		51.380	51.880	52.330	52.830	53.330	53.830
		51.400	51.900	52.350	52.850	53.350	53.850
		51.420	51.920	52.370	52.870	53.370	53.870
		51.440	51.940	52.390	52.890	53.390	53.890
		51.460	51.960	52.410	52.910	53.400	53.910
		51.480*	51.980*	52.430	52.930	53.410 53.430	53.910 53.930
		rptra in	rptra out	52.450 52.470	52.950 52.970	53.450 53.470	53.950 53.970
				52.490 52.510 52.525* 52.540	52.990	53.490 53.500 53.510 53.530	53.990

* 50.0-50.1 is restricted to CW emission only by FCC Part 97

** SSB Calling * Digital/Packet Calling

* FM Calling

NESMC 2m BANDPLAN

9/7/2007

KEY:
PB = propagation beacons (uncoordinated)
Repeaters, 20 or 15 KHz spacing, 600 KHz offset[e]
Narrow Bandwidth Repeaters, 10 KHz spacing[f]
FM Simplex and Digital (Mixed Use, uncoordinated)
Digital/Packet (uncoordinated)
other uncoordinated activity

	144			145			146			147		
	rptr in[d]	digital	rptr out[d]	digital & fm	splx / sat	rptr in[d]	fm splx	rptr out[d]	rptr out[d]	fm splx	rptr in[d]	
144.000	144.510	144.910	145.110	145.510	145.710	146.010	146.400	146.610	147.000	147.405	147.600	
CW Only[a]	144.520		145.120			146.025	146.415	146.625	147.015	147.420	147.615	
144.100	144.530	144.930	145.130	145.530	145.730	146.040	146.430	146.640	147.030	147.435	147.630	
Weak Signal	144.540		145.140			146.055	146.445	146.655	147.045	147.450	147.645	
	144.550	144.950	145.150	145.550	145.750	146.070	146.460	146.670	147.060	147.465	147.660	
	144.560		145.160			146.085	146.475	146.685	147.075	147.480	147.675	
	144.570	144.970	145.170	145.570	145.770	146.100	146.490	146.700	147.090	147.495	147.690	
	144.580		145.180			146.115	146.505	146.715	147.105	147.510	147.705	
144.275	144.590	144.990	145.190	145.590	145.790	146.130	146.520[c]	146.730	147.120	147.525	147.720	
144.300	144.600		145.200			146.145	146.535	146.745	147.135	147.540	147.735	
144.300	144.610	145.010	145.210	145.610		146.160	146.550	146.760	147.150	147.555	147.750	
	144.620		145.220			146.175	146.565	146.775	147.165	147.570	147.765	
	144.630	145.030	145.230	145.630		146.190	146.580	146.790	147.180	147.585	147.780	
	144.640		145.240			146.205	146.595	146.805	147.195		147.795	
	144.650	145.050	145.250	145.650		146.220		146.820	147.210		147.810	
	144.660		145.260			146.235		146.835	147.225		147.825	
	144.670	145.070	145.270	145.670		146.250		146.850	147.240		147.840	
	144.680		145.280			146.265		146.865	147.255		147.855	
	SATELLITE	144.690	145.090	145.290	145.690		146.280		146.880	147.270		147.870
		144.700		145.300			146.295		146.895	147.285		147.885
		144.710		145.310			146.310		146.910	147.300		147.900
		144.720		145.320			146.325		146.925	147.315		147.915
		144.730		145.330			146.340		146.940	147.330		147.930
		144.740		145.340			146.355		146.955	147.345		147.945
		144.750		145.350			146.370		146.970	147.360		147.960
		144.760		145.360			146.385		146.985	147.375		147.975
		144.770		145.370						147.390		147.990
		144.780		145.380								
	144.390[b]	144.790		145.390								
		144.800		145.400								
	144.810		145.410									
	144.820		145.420									
	144.830		145.430									
SATELLITE	144.840		145.440									
	144.850		145.450									
	144.860		145.460									
	144.870		145.470									
	144.880		145.480									
144.500	144.890		145.490			146.000						

[a] 144.0-144.1 is restricted to CW emission only by FCC Part 97

[b] National APRS frequency

[c] National FM Simplex Calling Frequency

[d] Repeater operation is restricted to 144.5 -145.5 and 146-148 by FCC Part 97

[e] Narrow bandwidth systems may also be coordinated here

[f] Minimum 50 mile separation to adjacent standard bandwidth systems

KEY:
FCC restricted digital
digital/packet
mixed use: links/digital/packet
Repeaters, 20 KHz spacing, -1.6 Mhz offset
uncoordinated activity

NESMC 222 BANDPLAN

12/12/2004

		repeater inputs		repeater outputs		
219.000	222.000	222.160	222.780	223.400	223.760	224.380
		222.180	222.800	223.420	223.780	224.400
Data Backbones*	Weak Signal	222.200	222.820	...	223.800	224.420
		222.220	222.840	FM Simplex	223.820	224.440
		222.240	222.860	...	223.840	224.460
		222.260	222.880	223.500	223.860	224.480
220.000	222.150	222.280	222.900	223.520	223.880	224.500
		222.300	222.920	223.540	223.900	224.520
		222.320	222.940	223.560	223.920	224.540
		222.340	222.960	223.580	223.940	224.560
		222.360	222.980	223.600	223.960	224.580
		222.380	223.000	223.620	223.980	224.600
		222.400	223.020	223.640	224.000	224.620
		222.420	223.040	223.660	224.020	224.640
		222.440	223.060	223.680	224.040	224.660
		222.460	223.080	223.700	224.060	224.680
		222.480	223.100	223.720	224.080	224.700
		222.500	223.120	223.740	224.100	224.720
		222.520	223.140		224.120	224.740
		222.540**	223.160		224.140**	224.760
		222.560	223.180		224.160	224.780
		222.580	223.200		224.180	224.800
		222.600	223.220		224.200	224.820
		222.620	223.240		224.220	224.840
		222.640	223.260		224.240	224.860
		222.660	223.280		224.260	224.880
		222.680	223.300		224.280	224.900
		222.700	223.320		224.300	224.920
		222.720	223.340		224.320	224.940
		222.740	223.360		224.340	224.960
		222.760	223.380		224.360	224.980

*Operation in this band is restricted by the FCC to forwarding stations in point-to-point fixed digital message forwarding systems. Operation is secondary to the Automated Marine Telecommunications Systems service. You must meet a number of conditions before you begin transmitting, see Part 97.303.

** Itinerant/Test Pair

KEY:
wideband data
PB = propagation beacons
LBRB = links, data backbones, remote bases
Repeaters, 25 KHz spacing, 5MHz offset
Repeaters, "splitter" 12.5 KHz spacing, 5 MHz offset
USAF LP Restricted
USAF Banned
uncoordinated activity

NESMC 440 BANDPLAN

12/12/2004

420 - 429	430	431 - 432	433	434	435-437	438	439	440	441	442	443	444	445	446	447	448	449
	ATV	431.000 431.025	EME/WS 433.025	434.000 434.025		Satellite 438.025	439.000 439.025	440.000 440.025	441.000 441.025	442.000 442.025	443.000 443.025	444.000 444.025	FM Simplex 445.025	446.000*	447.000 447.025	448.000 448.025	449.000 449.025
		430.050 430.075 430.100 430.125 430.150 430.175	433.050 433.075 433.100 433.125 433.150 433.175	434.050 434.075 434.100 434.125 434.150 434.175		438.050 438.075 438.100 438.125 438.150 438.175	439.050 439.075 439.100 439.125 439.150 439.175	440.050 440.075 440.100 440.125 440.150 440.175	441.050 441.075 441.100 441.125 ...	442.050 442.075 442.100 442.125 442.150 442.175	443.050 443.075 443.100 443.125 443.150 443.175	444.050 444.075 444.100 444.125 444.150 444.175	445.050 445.075 445.100 445.125 445.150 445.175	FM Simplex 446.000*	447.050 447.075 447.100 447.125 447.150 447.175	448.050 448.075 448.100 448.125 448.150 448.175	449.050 449.075 449.100 449.125 449.150 449.175
		430.200 430.225 430.250 430.275	433.200 433.225 433.250 433.275	434.200 434.225 434.250 434.275		438.200 438.225 438.250 438.275	439.200 439.225 439.250 439.275	440.200 440.225 440.250 440.275	441.2625 441.2750 441.300 441.325	442.200 442.225 442.250 442.275	443.200 443.225 443.250 443.275	444.200 444.225 444.250 444.275	445.200 445.225 445.250 445.275	446.2625 446.2750 446.300 446.325	447.200 447.225 447.250 447.275	448.200 448.225 448.250 448.275	449.200 449.225 449.250 449.275
		430.300 430.325 430.350 430.375 430.400	433.300 433.325 433.350 433.375 433.400	434.300 434.325 434.350 434.375 434.400		438.300 438.325 438.350 438.375 438.400	439.300 439.325 439.350 439.375 439.400	440.300 440.325 440.350 440.375 440.400	441.350 441.375 441.400 441.4250 441.4375	442.300 442.325 442.350 442.375 442.400	443.300 443.325 443.350 443.375 443.400	444.300 444.325 444.350 444.375 444.400	445.300 445.325 445.350 445.375 445.400	446.350 446.375 446.400 446.4250 446.4375	447.300 447.325 447.350 447.375 447.400	448.300 448.325 448.350 448.375 448.400	449.300 449.325 449.350 449.375 449.400
	ATV	430.425 430.450 430.475 430.500 430.525 430.550 430.575 430.600 430.625 430.650 430.675 430.700 430.725 430.750 430.775 430.800 430.825 430.850 430.875 430.900 430.925 430.950 430.975	433.425 433.450 433.475 433.500 433.525 433.550 433.575 433.600 433.625 433.650 433.675 433.700 433.725 433.750 433.775 433.800 433.825 433.850 433.875 433.900 433.925 433.950 433.975	434.425 434.450 434.475 434.500 434.525 434.550 434.575 434.600 434.625 434.650 434.675 434.700 434.725 434.750 434.775 434.800 434.825 434.850 434.875 434.900 434.925 434.950 434.975		Satellite 438.425 438.450 438.475 438.500 438.525 438.550 438.575 438.600 438.625 438.650 438.675 438.700 438.725 438.750 438.775 438.800 438.825 438.850 438.875 438.900 438.925 438.950 438.975	439.425 439.450 439.475 439.500 439.525 439.550 439.575 439.600 439.625 439.650 439.675 439.700 439.725 439.750 439.775 439.800 439.825 439.850 439.875 439.900 439.925 439.950 439.975	440.425 440.450 440.475 440.500 440.525 440.550 440.575 440.600 440.625 440.650 440.675 440.700 440.725 440.750 440.775 440.800 440.825 440.850 440.875 440.900 440.925 440.950 440.975	441.4500 441.4625 441.4750 441.500 441.525 441.550 441.575 441.600 441.625 441.650 441.675 441.700 441.725 441.750 441.775 441.800 441.825 441.850 441.875 441.900 441.925 441.950 441.975	442.425 442.450 442.475 442.500 442.525 442.550 442.575 442.600 442.625 442.650 442.675 442.700 442.725 442.750 442.775 442.800 442.825 442.850 442.875 442.900 442.925 442.950 442.975	443.425 443.450 443.475 443.500 443.525 443.550 443.575 443.600 443.625 443.650 443.675 443.700 443.725 443.750 443.775 443.800 443.825 443.850 443.875 443.900 443.925 443.950 443.975	444.425 444.450 444.475 444.500 444.525 444.550 444.575 444.600 444.625 444.650 444.675 444.700 444.725 444.750 444.775 444.800 444.825 444.850 444.875 444.900 444.925 444.950 444.975	445.425 445.450 445.475 445.500 445.525 445.550 445.575 445.600 445.625 445.650 445.675 445.700 445.725 445.750 445.775 445.800 445.825 445.850 445.875 445.900 445.925 445.950 445.975	446.4500 446.4625 446.4750 446.500 446.525 446.550 446.575 446.600 446.625 446.650 446.675 446.700 446.725 446.750 446.775 446.800 446.825 446.850 446.875 446.900 446.925 446.950 446.975	447.425 447.450 447.475 447.500 447.525 447.550 447.575 447.600 447.625 447.650 447.675 447.700 447.725 447.750 447.775 447.800 447.825 447.850 447.875 447.900 447.925 447.950 447.975	448.425 448.450 448.475 448.500 448.525 448.550 448.575 448.600 448.625 448.650 448.675 448.700 448.725 448.750 448.775 448.800 448.825 448.850 448.875 448.900 448.925 448.950 448.975	449.425 449.450 449.475 449.500 449.525 449.550 449.575 449.600 449.625 449.650 449.675 449.700 449.725 449.750 449.775 449.800 449.825 449.850 449.875 449.900 449.925 449.950 449.975

- 44x.x00 TX-LO
- 44x.x125 TX-LO
- 44x.x250 TX-HI
- 44x.x375 TX-HI
- 44x.x500 TX-LO
- 44x.x625 TX-LO
- 44x.x750 TX-HI
- 44x.x875 TX-HI

*National Calling Frequency

Repeaters on splits with a thousandths digit of 0 or 2 are TX-LOW (input + 5 MHz). Others are TX-HIGH (input - 5 MHz).

The amateur allocation on this band is secondary to military/government users. Amateur operations must not cause, and must accept interference from, these primary allocants.

NESMC 902 BANDPLAN

11/7/2009

902.xxx repeater inputs outputs +25	903.xxx	904.0-907.0	907.xxx	908.xxx	909.0 - 915.0	915.0 - 916.0	916.0-919.0	919.xxx	920.xxx	921.0-927.0	927.xxx FM simplex & rptr outs (inputs -25)				
			repeater inputs, (outputs +12)				repeater outputs, (inputs -12)								
902.000	903.000		907.000 907.025	908.000 908.025	909 see note (a) 910	915.0 ISM		919.000 919.025	920.000 920.025	921 see note (a) 922	927.0125 927.0250				
902.0375(b) 902.0500(b) 902.0625(b) 902.0750(b)			907.050 907.075 907.100	908.050 908.075 908.100					919.050 919.075 919.100		920.050 920.075 920.100		927.0375(b) 927.0500(b) 927.0625(b) 927.0750(b)		
902.100 CW Calling 902.250 SSB Calling	903.100 CW Calling 902.250 SSB Calling				910.25 NTSC Video Carrier			922.25 NTSC Video Carrier	927.1000 927.1125	
902.300 Beacons 902.375	903.300 Beacons 903.350		907.350 907.375	908.350 908.375							919.350 919.375	920.350 920.375			927.3375 927.3500 927.3625 927.3750 927.3875
902.400	903.400		907.400	908.400							919.400	920.400			927.4000
902.4125 902.4250 902.4375 902.4500 902.4625 902.4750			907.425 907.450 907.475	908.425 908.450 908.475							919.425 919.450 919.475	920.425 920.450 920.475			927.4125 927.4250 927.4375 927.4500 927.4625 927.4750
902.4875 927.5 - Simplex	Mixed Use: Digital, Links, Experimental		907.500	908.500				ATV #1	Mixed Use: Digital, Links, Wide Band Data, Experimental		919.500	920.500		ATV #2	927.4875 927.5 - Simplex
902.5125 902.5250 902.5375 902.5500 902.5625 902.5750 902.5875 902.6000 902.6125 902.6250 902.6375 902.6500 902.6625 902.6750 902.6875 902.7000 902.7125 902.7250 902.7375 902.7500 902.7625 902.7750 902.7875 902.8000 902.8125 902.8250 902.8375 902.8500 902.8625 902.8750			907.525 907.550 907.575 907.600 907.625 907.650 907.675 907.700 907.725 907.750 907.775 907.800 907.825 907.850 907.875	908.525 908.550 908.575 908.600 908.625 908.650 908.675 908.700 908.725 908.750 908.775 908.800 908.825 908.850 908.875							919.525 919.550 919.575 919.600 919.625 919.650 919.675 919.700 919.725 919.750 919.775 919.800 919.825 919.850 919.875	920.525 920.550 920.575 920.600 920.625 920.650 920.675 920.700 920.725 920.750 920.775 920.800 920.825 920.850 920.875			927.5125 927.5250 927.5375 927.5500 927.5625 927.5750 927.5875 927.6000 927.6125 927.6250 927.6375 927.6500 927.6625 927.6750 927.6875 927.7000 927.7125 927.7250 927.7375 927.7500 927.7625 927.7750 927.7875 927.8000 927.8125 927.8250 927.8375 927.8500 927.8625 927.8750
Weak Signal			907.900 907.925 907.950 907.975	908.900 908.925 908.950 908.975							919.900 919.925 919.950 919.975	920.900 920.925 920.950 920.975			Weak Signal

The amateur allocation on this band is secondary to military/government users. Amateur operations must not cause, and must accept interference from, these primary allocants.

- (a) There are six existing FM repeaters with inputs at 909-910 and outputs at 921-922 MHz. These repeaters must share their spectrum with ATV. No new coordinations for FM repeaters will be made in these subbands.
- (b) These four repeater pairs are assigned as a last resort for systems that have:
 - (1) demonstrated severe interference in the 927.4-927.9 segment.
 - (2) demonstrated that this interference is significantly reduced on one of these channels.
 As a further condition of coordination in this segment, automatically transmitters shall not be used on the repeater inputs.

NESMC 13cm (2.3Ghz) Bandplan 12/12/2004

13 CENTIMETERS (2300 - 2310 and 2390 - 2450 MHz):	
2300.0 - 2303.0	high-rate data
2303.0 - 2303.5	packet
2303.5 - 2303.8	TTY packet
2303.9 - 2303.9	packet, TTY, CW, EME
2303.9 - 2304.1	CW, EME
2304.1	calling frequency
2304.1 - 2304.2	CW, EME, SSB
2304.2 - 2304.3	SSB, SSTV, FAX, Packet AM, Amtor
2304.30 - 2304.32	propagation beacon network
2304.32 - 2304.40	general propagation beacons
2304.4 - 2304.5	SSB, SSTV, ACSSB, FAX, Packet AM, AMTOR experimental
2304.5 - 2304.7	crossband linear translator input
2304.7 - 2304.9	crossband linear translator output
3204.9 - 2305.0	experimental beacons
2305.0 - 2306.0	FM simplex (25 kHz spacing) 2305.2 FM simplex calling frequency
2306.0 - 2309.0	FM repeaters (25 kHz) input
2309.0 - 2310.0	control and auxiliary links
2390.0 - 2396.0	fast-scan TV
2396.0 - 2399.0	high-rate data
2399.0 - 2399.5	packet
2399.5 - 2400.0	control and auxiliary links
2400.0 - 2403.0	satellite
2403.0 - 2408.0	satellite high-rate data
2408.0 - 2410.0	satellite
2410.0 - 2413.0	FM repeaters (25 kHz) output
2413.0 - 2418.0	high-rate data
2418.0 - 2430.0	fast-scan TV
2430.0 - 2433.0	satellite
2433.0 - 2438.0	satellite high-rate data
2438.0 - 2450.0	WB FM, FSTV, FMTV, SS experimental