

HAWAII REPEATER BAND PLAN USED AS A GUIDE revised 7/21

§97.205 Repeater station.

(a) Any amateur station licensed to a holder of a Technician, General, Advanced or Amateur Extra Class operator license may be a repeater. A holder of a Technician, General, Advanced or Amateur Extra Class operator license may be the control operator of a repeater , subject to the privileges of the class of operator license held.

(b) A repeater may receive and retransmit only on the 10 m and shorter wavelength frequency bands except the 28.0-29.5 MHz, 50.0-51.0 MHz, 144.0-144.5 MHz, 145.5-146.0 MHz, 222.00-222.15 MHz, 431.0-433.0 MHz and 435.0-438.0 MHz segments.

(c) Where the transmissions of a repeater cause harmful interference to another repeater, the two station licensees are equally and fully responsible for resolving the interference unless the operation of one station is recommended by a frequency coordinator and the operation of the other station is not. In that case, the licensee of the noncoordinated repeater has primary responsibility to resolve the interference.

(d) A repeater may be automatically controlled.

(e) Ancillary functions of a repeater that are available to users on the input channel are not considered remotely controlled functions of the station. Limiting the use of a repeater to only certain user stations is permissible.

97.205(b) A repeater may receive and retransmit only on the 10 m band except the 28.0-29.5 MHz

ch	Input	Output	
1	29.5200	29.6200	100khz split with 20 khz channel spacing channel 1
2	29.5400	29.6400	100khz split with 20 khz channel spacing channel 2
3	29.5600	29.6600	100khz split with 20 khz channel spacing channel 3
4	29.5800	29.6800	100khz split with 20 khz channel spacing channel 4

97.205(b) A repeater may receive and retransmit only on the 6 m band except the 50.0-51.0 MHz

East coast using 1mhz split on 6m, ARRL band plan is 500khz

HSRAC using 500khz split , optional dual allocations for 1mhz split

Any current coordination of odd splits are grandfathered until uncoordinated

ch	Input	Output	MODE
1	51.1200	51.6200	500khz split with 20khz channel spacing
2	51.1400	51.6400	500khz split with 20khz channel spacing
3	51.1600	51.6600	500khz split with 20khz channel spacing
4	51.1800	51.6800	500khz split with 20khz channel spacing
5	51.2000	51.7000	500khz split with 20khz channel spacing

6	51.2200	51.7200	500khz split with 20khz channel spacing
7	51.2400	51.7400	500khz split with 20khz channel spacing
8	51.2600	51.7600	500khz split with 20khz channel spacing
9	51.2800	51.7800	500khz split with 20khz channel spacing
10	51.3000	51.8000	500khz split with 20khz channel spacing
11	51.3200	51.8200	500khz split with 20khz channel spacing
12	51.3400	51.8400	500khz split with 20khz channel spacing
13	51.3600	51.8600	500khz split with 20khz channel spacing
14	51.3800	51.8800	500khz split with 20khz channel spacing
15	51.4000	51.9000	500khz split with 20khz channel spacing
16	51.4200	51.9200	500khz split with 20khz channel spacing
17	51.4400	51.9400	500khz split with 20khz channel spacing
18	51.4600	51.9600	500khz split with 20khz channel spacing
19	51.4800	51.9800	500khz split with 20khz channel spacing
20	51.5000	52.0000	500khz split with 20khz channel spacing
21	51.5200	52.0200	500khz split with 20khz channel spacing
22	51.5400	52.0400	500khz split with 20khz channel spacing
23	51.5600	52.0600	500khz split with 20khz channel spacing
24	51.5800	52.0800	500khz split with 20khz channel spacing
25	51.6000	52.1000	500khz split with 20khz channel spacing
26	51.6200	52.1200	500khz split with 20khz channel spacing
27	51.6400	52.1400	500khz split with 20khz channel spacing
28	51.6600	52.1600	500khz split with 20khz channel spacing
29	51.6800	52.1800	500khz split with 20khz channel spacing
30	51.7000	52.2000	500khz split with 20khz channel spacing
31	51.7200	52.2200	500khz split with 20khz channel spacing
32	51.7400	52.2400	500khz split with 20khz channel spacing
33	51.7600	52.2600	500khz split with 20khz channel spacing
34	51.7800	52.2800	500khz split with 20khz channel spacing
35	51.8000	52.3000	500khz split with 20khz channel spacing
36	51.8200	52.3200	500khz split with 20khz channel spacing
37	51.8400	52.3400	500khz split with 20khz channel spacing
38	51.8600	52.3600	500khz split with 20khz channel spacing
39	51.8800	52.3800	500khz split with 20khz channel spacing
40	51.9000	52.4000	500khz split with 20khz channel spacing
41	51.9200	52.4200	500khz split with 20khz channel spacing
42	51.9400	52.4400	500khz split with 20khz channel spacing
43	51.9600	52.4600	500khz split with 20khz channel spacing

97.205(b)

(b) A repeater may receive and retransmit only on the 10 m and shorter wavelength frequency bands except the 28.0-29.5 MHz, 50.0-51.0 MHz, 144.0-144.5 MHz, 145.5-146.0 MHz, 222.00-222.15 MHz, 431.0-433.0 MHz and 435.0-438.0 MHz segments.

144.390 National APRS digital channel

HSRAC future plans include the following guidelines for future coordinations as a general reconfiguration plan to streamline whos where.

1) repeaters with characteristics of low power, short range, low usage, non stationary and/or closed system to be located in channels 1-20

2) repeaters with characteristics of open, high power, wide area coverage
 or private closed high power, wide area coverage but open for emergencies
 to be located in channels 21 thru 60

3) repeaters with characteristics of open, public access, high power, wide area coverage
 to be located in channels 21-44

4) Shared Non Allocated (SNA) pair 144.65/145.25 open to portable public service
 or experimenters. This is a NON protected pair

ch	Input	Output	MODE
1	144.5100	145.1100	600khz - split with 20khz channel spacing
2	144.5300	145.1300	600khz - split with 20khz channel spacing
3	144.5500	145.1500	600khz - split with 20khz channel spacing
4	144.5700	145.1700	600khz - split with 20khz channel spacing
5	144.5900	145.1900	600khz - split with 20khz channel spacing
6	144.6100	145.2100	600khz - split with 20khz channel spacing
7	144.6300	145.2300	600khz - split with 20khz channel spacing
8	144.6500	145.2500	600khz - split with 20khz channel spacing Shared NON Allocated Channel
9	144.6700	145.2700	600khz - split with 20khz channel spacing
10	144.6900	145.2900	600khz - split with 20khz channel spacing
11	144.7100	145.3100	600khz - split with 20khz channel spacing
12	144.7300	145.3300	600khz - split with 20khz channel spacing
13	144.7500	145.3500	600khz - split with 20khz channel spacing
14	144.7700	145.3700	600khz - split with 20khz channel spacing
15	144.7900	145.3900	600khz - split with 20khz channel spacing
16	144.8100	145.4100	600khz - split with 20khz channel spacing
17	144.8300	145.4300	600khz - split with 20khz channel spacing
18	144.8500	145.4500	600khz - split with 20khz channel spacing
19	144.8700	145.4700	600khz - split with 20khz channel spacing
20	144.8900	145.4900	600khz - split with 20khz channel spacing

(b) A repeater may receive and retransmit only on the 10 m and shorter wavelength
 frequency bands except the 28.0-29.5 MHz, 50.0-51.0 MHz, 144.0-144.5 MHz,
 145.5-146.0 MHz, 222.00-222.15 MHz, 431.0-433.0 MHz and 435.0-438.0 MHz segments.

145.800 - 146.000 Satellite/Space Only

Ch	Input	Output	
22	146.0200	146.6200	600khz - split with 20khz channel spacing
23	146.0400	146.6400	600khz - split with 20khz channel spacing
24	146.0600	146.6600	600khz - split with 20khz channel spacing
25	146.0800	146.6800	600khz - split with 20khz channel spacing
26	146.1000	146.7000	600khz - split with 20khz channel spacing
27	146.1200	146.7200	600khz - split with 20khz channel spacing
28	146.1400	146.7400	600khz - split with 20khz channel spacing
29	146.1600	146.7600	600khz - split with 20khz channel spacing
30	146.1800	146.7800	600khz - split with 20khz channel spacing
31	146.2000	146.8000	600khz - split with 20khz channel spacing

32	146.2200	146.8200	600khz - split with 20khz channel spacing
33	146.2400	146.8400	600khz - split with 20khz channel spacing
34	146.2600	146.8600	600khz - split with 20khz channel spacing
35	146.2800	146.8800	600khz - split with 20khz channel spacing
36	146.3000	146.9000	600khz - split with 20khz channel spacing
37	146.3200	146.9200	600khz - split with 20khz channel spacing
38	146.3400	146.9400	600khz - split with 20khz channel spacing
39	146.3600	146.9600	600khz - split with 20khz channel spacing
40	146.3800	146.9800	600khz - split with 20khz channel spacing
41	147.6000	147.0000	600khz + split with 20khz channel spacing
42	147.6200	147.0200	600khz + split with 20khz channel spacing
43	147.6400	147.0400	600khz + split with 20khz channel spacing
44	147.6600	147.0600	600khz + split with 20khz channel spacing
45	147.6800	147.0800	600khz + split with 20khz channel spacing
46	147.7000	147.1000	600khz + split with 20khz channel spacing
47	147.7200	147.1200	600khz + split with 20khz channel spacing
48	147.7400	147.1400	600khz + split with 20khz channel spacing
49	147.7600	147.1600	600khz + split with 20khz channel spacing
50	147.7800	147.1800	600khz + split with 20khz channel spacing
51	147.8000	147.2000	600khz + split with 20khz channel spacing
52	147.8200	147.2200	600khz + split with 20khz channel spacing
53	147.8400	147.2400	600khz + split with 20khz channel spacing
54	147.8600	147.2600	600khz + split with 20khz channel spacing
55	147.8800	147.2800	600khz + split with 20khz channel spacing
56	147.9000	147.3000	600khz + split with 20khz channel spacing
57	147.9200	147.3200	600khz + split with 20khz channel spacing
58	147.9400	147.3400	600khz + split with 20khz channel spacing
59	147.9600	147.3600	600khz + split with 20khz channel spacing
60	147.9800	147.3800	600khz + split with 20khz channel spacing

(b) A repeater may receive and retransmit only on the 10 m and shorter wavelength frequency bands except the 28.0-29.5 MHz, 50.0-51.0 MHz, 144.0-144.5 MHz, 145.5-146.0 MHz, 222.00-222.15 MHz, 431.0-433.0 MHz and 435.0-438.0 MHz segments.

ch	Input	Output	MODE
1	222.2400	223.8400	1.6 mhz - split with 20khz channel spacing
2	222.2600	223.8600	1.6 mhz - split with 20khz channel spacing
3	222.2800	223.8800	1.6 mhz - split with 20khz channel spacing
4	222.3000	223.9000	1.6 mhz - split with 20khz channel spacing
5	222.3200	223.9200	1.6 mhz - split with 20khz channel spacing
6	222.3400	223.9400	1.6 mhz - split with 20khz channel spacing
7	222.3600	223.9600	1.6 mhz - split with 20khz channel spacing
8	222.3800	223.9800	1.6 mhz - split with 20khz channel spacing
9	222.4000	224.0000	1.6 mhz - split with 20khz channel spacing
10	222.4200	224.0200	1.6 mhz - split with 20khz channel spacing
11	222.4400	224.0400	1.6 mhz - split with 20khz channel spacing

12	222.4600	224.0600	1.6 mhz - split with 20khz channel spacing
13	222.4800	224.0800	1.6 mhz - split with 20khz channel spacing
14	222.5000	224.1000	1.6 mhz - split with 20khz channel spacing
15	222.5200	224.1200	1.6 mhz - split with 20khz channel spacing
16	222.5400	224.1400	1.6 mhz - split with 20khz channel spacing
17	222.5600	224.1600	1.6 mhz - split with 20khz channel spacing
18	222.5800	224.1800	1.6 mhz - split with 20khz channel spacing
19	222.6000	224.2000	1.6 mhz - split with 20khz channel spacing
20	222.6200	224.2200	1.6 mhz - split with 20khz channel spacing
21	222.6400	224.2400	1.6 mhz - split with 20khz channel spacing
22	222.6600	224.2600	1.6 mhz - split with 20khz channel spacing
23	222.6800	224.2800	1.6 mhz - split with 20khz channel spacing
24	222.7000	224.3000	1.6 mhz - split with 20khz channel spacing
25	222.7200	224.3200	1.6 mhz - split with 20khz channel spacing
26	222.7400	224.3400	1.6 mhz - split with 20khz channel spacing
27	222.7600	224.3600	1.6 mhz - split with 20khz channel spacing
28	222.7800	224.3800	1.6 mhz - split with 20khz channel spacing
29	222.8000	224.4000	1.6 mhz - split with 20khz channel spacing
30	222.8200	224.4200	1.6 mhz - split with 20khz channel spacing
31	222.8400	224.4400	1.6 mhz - split with 20khz channel spacing
32	222.8600	224.4600	1.6 mhz - split with 20khz channel spacing
33	222.8800	224.4800	1.6 mhz - split with 20khz channel spacing
34	222.9000	224.5000	1.6 mhz - split with 20khz channel spacing
35	222.9200	224.5200	1.6 mhz - split with 20khz channel spacing
36	222.9400	224.5400	1.6 mhz - split with 20khz channel spacing
37	222.9600	224.5600	1.6 mhz - split with 20khz channel spacing
38	222.9800	224.5800	1.6 mhz - split with 20khz channel spacing
39	223.0000	224.6000	1.6 mhz - split with 20khz channel spacing
40	223.0200	224.6200	1.6 mhz - split with 20khz channel spacing
41	223.0400	224.6400	1.6 mhz - split with 20khz channel spacing
42	223.0600	224.6600	1.6 mhz - split with 20khz channel spacing
43	223.0800	224.6800	1.6 mhz - split with 20khz channel spacing
44	223.1000	224.7000	1.6 mhz - split with 20khz channel spacing
45	223.1200	224.7200	1.6 mhz - split with 20khz channel spacing
46	223.1400	224.7400	1.6 mhz - split with 20khz channel spacing
47	223.1600	224.7600	1.6 mhz - split with 20khz channel spacing
48	223.1800	224.7800	1.6 mhz - split with 20khz channel spacing
49	223.2000	224.8000	1.6 mhz - split with 20khz channel spacing
50	223.2200	224.8200	1.6 mhz - split with 20khz channel spacing
51	223.2400	224.8400	1.6 mhz - split with 20khz channel spacing
52	223.2600	224.8600	1.6 mhz - split with 20khz channel spacing
53	223.2800	224.8800	1.6 mhz - split with 20khz channel spacing
54	223.3000	224.9000	1.6 mhz - split with 20khz channel spacing
55	223.3200	224.9200	1.6 mhz - split with 20khz channel spacing
56	223.3400	224.9400	1.6 mhz - split with 20khz channel spacing
57	223.3600	224.9600	1.6 mhz - split with 20khz channel spacing

97.205(b) A repeater may receive and retransmit only on the 70cm band **except 431.0-433.0 Mhz, and 435.0-438.0 Mhz**

ch	Input	Output	MODE
1	447.0000	442.0000	5mhz + split with 25khz channel spacing
2	447.0250	442.0250	5mhz + split with 25khz channel spacing
3	447.0500	442.0500	5mhz + split with 25khz channel spacing
4	447.0750	442.0750	5mhz + split with 25khz channel spacing
5	447.1000	442.1000	5mhz + split with 25khz channel spacing
6	447.1250	442.1250	5mhz + split with 25khz channel spacing
7	447.1500	442.1500	5mhz + split with 25khz channel spacing
8	447.1750	442.1750	5mhz + split with 25khz channel spacing
9	447.2000	442.2000	5mhz + split with 25khz channel spacing
10	447.2250	442.2250	5mhz + split with 25khz channel spacing
11	447.2500	442.2500	5mhz + split with 25khz channel spacing
12	447.2750	442.2750	5mhz + split with 25khz channel spacing
13	447.3000	442.3000	5mhz + split with 25khz channel spacing
14	447.3250	442.3250	5mhz + split with 25khz channel spacing
15	447.3500	442.3500	5mhz + split with 25khz channel spacing
16	447.3750	442.3750	5mhz + split with 25khz channel spacing
17	447.4000	442.4000	5mhz + split with 25khz channel spacing
18	447.4250	442.4250	5mhz + split with 25khz channel spacing
19	447.4500	442.4500	5mhz + split with 25khz channel spacing
20	447.4750	442.4750	5mhz + split with 25khz channel spacing
21	447.5000	442.5000	5mhz + split with 25khz channel spacing
22	447.5250	442.5250	5mhz + split with 25khz channel spacing
23	447.5500	442.5500	5mhz + split with 25khz channel spacing
24	447.5750	442.5750	5mhz + split with 25khz channel spacing
25	447.6000	442.6000	5mhz + split with 25khz channel spacing
26	447.6250	442.6250	5mhz + split with 25khz channel spacing
27	447.6500	442.6500	5mhz + split with 25khz channel spacing
28	447.6750	442.6750	5mhz + split with 25khz channel spacing
29	447.7000	442.7000	5mhz + split with 25khz channel spacing
30	447.7250	442.7250	5mhz + split with 25khz channel spacing
31	447.7500	442.7500	5mhz + split with 25khz channel spacing
32	447.7750	442.7750	5mhz + split with 25khz channel spacing
33	447.8000	442.8000	5mhz + split with 25khz channel spacing
34	447.8250	442.8250	5mhz + split with 25khz channel spacing
35	447.8500	442.8500	5mhz + split with 25khz channel spacing
36	447.8750	442.8750	5mhz + split with 25khz channel spacing
37	447.9000	442.9000	5mhz + split with 25khz channel spacing
38	447.9250	442.9250	5mhz + split with 25khz channel spacing
39	447.9500	442.9500	5mhz + split with 25khz channel spacing
40	447.9750	442.9750	5mhz + split with 25khz channel spacing
41	448.0000	443.0000	5mhz + split with 25khz channel spacing
42	448.0250	443.0250	5mhz + split with 25khz channel spacing
43	448.0500	443.0500	5mhz + split with 25khz channel spacing
44	448.0750	443.0750	5mhz + split with 25khz channel spacing
45	448.1000	443.1000	5mhz + split with 25khz channel spacing
46	448.1250	443.1250	5mhz + split with 25khz channel spacing
47	448.1500	443.1500	5mhz + split with 25khz channel spacing
48	448.1750	443.1750	5mhz + split with 25khz channel spacing

49	448.2000	443.2000	5mhz + split with 25khz channel spacing
50	448.2250	443.2250	5mhz + split with 25khz channel spacing
51	448.2500	443.2500	5mhz + split with 25khz channel spacing
52	448.2750	443.2750	5mhz + split with 25khz channel spacing
53	448.3000	443.3000	5mhz + split with 25khz channel spacing
54	448.3250	443.3250	5mhz + split with 25khz channel spacing
55	448.3500	443.3500	5mhz + split with 25khz channel spacing
56	448.3750	443.3750	5mhz + split with 25khz channel spacing
57	448.4000	443.4000	5mhz + split with 25khz channel spacing
58	448.4250	443.4250	5mhz + split with 25khz channel spacing
59	448.4500	443.4500	5mhz + split with 25khz channel spacing
60	448.4750	443.4750	5mhz + split with 25khz channel spacing
61	448.5000	443.5000	5mhz + split with 25khz channel spacing
62	448.5250	443.5250	5mhz + split with 25khz channel spacing
63	448.5500	443.5500	5mhz + split with 25khz channel spacing
64	448.5750	443.5750	5mhz + split with 25khz channel spacing
65	448.6000	443.6000	5mhz + split with 25khz channel spacing
66	448.6250	443.6250	5mhz + split with 25khz channel spacing
67	448.6500	443.6500	5mhz + split with 25khz channel spacing
68	448.6750	443.6750	5mhz + split with 25khz channel spacing
69	448.7000	443.7000	5mhz + split with 25khz channel spacing
70	448.7250	443.7250	5mhz + split with 25khz channel spacing
71	448.7500	443.7500	5mhz + split with 25khz channel spacing
72	448.7750	443.7750	5mhz + split with 25khz channel spacing
73	448.8000	443.8000	5mhz + split with 25khz channel spacing
74	448.8250	443.8250	5mhz + split with 25khz channel spacing
75	448.8500	443.8500	5mhz + split with 25khz channel spacing
76	448.8750	443.8750	5mhz + split with 25khz channel spacing
77	448.9000	443.9000	5mhz + split with 25khz channel spacing
78	448.9250	443.9250	5mhz + split with 25khz channel spacing
79	448.9500	443.9500	5mhz + split with 25khz channel spacing
80	448.9750	443.9750	5mhz + split with 25khz channel spacing
81	449.0000	444.0000	5mhz + split with 25khz channel spacing
82	449.0250	444.0250	5mhz + split with 25khz channel spacing
83	449.0500	444.0500	5mhz + split with 25khz channel spacing
84	449.0750	444.0750	5mhz + split with 25khz channel spacing
85	449.1000	444.1000	5mhz + split with 25khz channel spacing
86	449.1250	444.1250	5mhz + split with 25khz channel spacing
87	449.1500	444.1500	5mhz + split with 25khz channel spacing
88	449.1750	444.1750	5mhz + split with 25khz channel spacing
89	449.2000	444.2000	5mhz + split with 25khz channel spacing
90	449.2250	444.2250	5mhz + split with 25khz channel spacing
91	449.2500	444.2500	5mhz + split with 25khz channel spacing
92	449.2750	444.2750	5mhz + split with 25khz channel spacing
93	449.3000	444.3000	5mhz + split with 25khz channel spacing
94	449.3250	444.3250	5mhz + split with 25khz channel spacing
95	449.3500	444.3500	5mhz + split with 25khz channel spacing
96	449.3750	444.3750	5mhz + split with 25khz channel spacing
97	449.4000	444.4000	5mhz + split with 25khz channel spacing
98	449.4250	444.4250	5mhz + split with 25khz channel spacing

99	449.4500	444.4500	5mhz + split with 25khz channel spacing
100	449.4750	444.4750	5mhz + split with 25khz channel spacing
101	449.5000	444.5000	5mhz + split with 25khz channel spacing
102	449.5250	444.5250	5mhz + split with 25khz channel spacing
103	449.5500	444.5500	5mhz + split with 25khz channel spacing
104	449.5750	444.5750	5mhz + split with 25khz channel spacing
105	449.6000	444.6000	5mhz + split with 25khz channel spacing
106	449.6250	444.6250	5mhz + split with 25khz channel spacing
107	449.6500	444.6500	5mhz + split with 25khz channel spacing
108	449.6750	444.6750	5mhz + split with 25khz channel spacing
109	449.7000	444.7000	5mhz + split with 25khz channel spacing
110	449.7250	444.7250	5mhz + split with 25khz channel spacing
111	449.7500	444.7500	5mhz + split with 25khz channel spacing
112	449.7750	444.7750	5mhz + split with 25khz channel spacing
113	449.8000	444.8000	5mhz + split with 25khz channel spacing
114	449.8250	444.8250	5mhz + split with 25khz channel spacing
115	449.8500	444.8500	5mhz + split with 25khz channel spacing
116	449.8750	444.8750	5mhz + split with 25khz channel spacing
117	449.9000	444.9000	5mhz + split with 25khz channel spacing
118	449.9250	444.9250	5mhz + split with 25khz channel spacing
119	449.9500	444.9500	5mhz + split with 25khz channel spacing
120	449.9750	444.9750	5mhz + split with 25khz channel spacing

ch	Input	Output	MODE
1	902.1125	927.1125	25mhz split with 12.5khz channel spacing
2	902.1375	927.1375	25mhz split with 12.5khz channel spacing
3	902.1625	927.1625	25mhz split with 12.5khz channel spacing
4	902.1875	927.1875	25mhz split with 12.5khz channel spacing
5	902.2125	927.2125	25mhz split with 12.5khz channel spacing
6	902.2375	927.2375	25mhz split with 12.5khz channel spacing
7	902.2625	927.2625	25mhz split with 12.5khz channel spacing
8	902.2875	927.2875	25mhz split with 12.5khz channel spacing
9	902.3125	927.3125	25mhz split with 12.5khz channel spacing
10	902.3375	927.3375	25mhz split with 12.5khz channel spacing
11	902.3625	927.3625	25mhz split with 12.5khz channel spacing
12	902.3875	927.3875	25mhz split with 12.5khz channel spacing
13	902.4125	927.4125	25mhz split with 12.5khz channel spacing
14	902.4375	927.4375	25mhz split with 12.5khz channel spacing
15	902.4625	927.4625	25mhz split with 12.5khz channel spacing
16	902.4875	927.4875	25mhz split with 12.5khz channel spacing
17	902.5125	927.5125	25mhz split with 12.5khz channel spacing
18	902.5375	927.5375	25mhz split with 12.5khz channel spacing
19	902.5625	927.5625	25mhz split with 12.5khz channel spacing
20	902.5875	927.5875	25mhz split with 12.5khz channel spacing
21	902.6125	927.6125	25mhz split with 12.5khz channel spacing
22	902.6375	927.6375	25mhz split with 12.5khz channel spacing
23	902.6625	927.6625	25mhz split with 12.5khz channel spacing
24	902.6875	927.6875	25mhz split with 12.5khz channel spacing

25	902.7125	927.7125	25mhz split with 12.5khz channel spacing
26	902.7375	927.7375	25mhz split with 12.5khz channel spacing
27	902.7625	927.7625	25mhz split with 12.5khz channel spacing
28	902.7875	927.7875	25mhz split with 12.5khz channel spacing
29	902.8125	927.8125	25mhz split with 12.5khz channel spacing
30	902.8375	927.8375	25mhz split with 12.5khz channel spacing
31	902.8625	927.8625	25mhz split with 12.5khz channel spacing
32	902.8875	927.8875	25mhz split with 12.5khz channel spacing
33	902.9125	927.9125	25mhz split with 12.5khz channel spacing
34	902.9375	927.9375	25mhz split with 12.5khz channel spacing
35	902.9625	927.9625	25mhz split with 12.5khz channel spacing
36	902.9875	927.9875	25mhz split with 12.5khz channel spacing

1	1270.0000	1282.0000	12mhz split 25khz channel spacing
2	1270.0250	1282.0250	12mhz split 25khz channel spacing
3	1270.0500	1282.0500	12mhz split 25khz channel spacing
4	1270.0750	1282.0750	12mhz split 25khz channel spacing
5	1270.1000	1282.1000	12mhz split 25khz channel spacing
6	1270.1250	1282.1250	12mhz split 25khz channel spacing
7	1270.1500	1282.1500	12mhz split 25khz channel spacing
8	1270.1750	1282.1750	12mhz split 25khz channel spacing
9	1270.2000	1282.2000	12mhz split 25khz channel spacing
10	1270.2250	1282.2250	12mhz split 25khz channel spacing
11	1270.2500	1282.2500	12mhz split 25khz channel spacing
12	1270.2750	1282.2750	12mhz split 25khz channel spacing
13	1270.3000	1282.3000	12mhz split 25khz channel spacing
14	1270.3250	1282.3250	12mhz split 25khz channel spacing
15	1270.3500	1282.3500	12mhz split 25khz channel spacing
16	1270.3750	1282.3750	12mhz split 25khz channel spacing
17	1270.4000	1282.4000	12mhz split 25khz channel spacing
18	1270.4250	1282.4250	12mhz split 25khz channel spacing
19	1270.4500	1282.4500	12mhz split 25khz channel spacing
20	1270.4750	1282.4750	12mhz split 25khz channel spacing
21	1270.5000	1282.5000	12mhz split 25khz channel spacing
22	1270.5250	1282.5250	12mhz split 25khz channel spacing
23	1270.5500	1282.5500	12mhz split 25khz channel spacing
24	1270.5750	1282.5750	12mhz split 25khz channel spacing
25	1270.6000	1282.6000	12mhz split 25khz channel spacing
26	1270.6250	1282.6250	12mhz split 25khz channel spacing
27	1270.6500	1282.6500	12mhz split 25khz channel spacing
28	1270.6750	1282.6750	12mhz split 25khz channel spacing
29	1270.7000	1282.7000	12mhz split 25khz channel spacing
30	1270.7250	1282.7250	12mhz split 25khz channel spacing
31	1270.7500	1282.7500	12mhz split 25khz channel spacing
32	1270.7750	1282.7750	12mhz split 25khz channel spacing
33	1270.8000	1282.8000	12mhz split 25khz channel spacing
34	1270.8250	1282.8250	12mhz split 25khz channel spacing
35	1270.8500	1282.8500	12mhz split 25khz channel spacing
36	1270.8750	1282.8750	12mhz split 25khz channel spacing
37	1270.9000	1282.9000	12mhz split 25khz channel spacing

38	1270.9250	1282.9250	12mhz split 25khz channel spacing
39	1270.9500	1282.9500	12mhz split 25khz channel spacing
40	1270.9750	1282.9750	12mhz split 25khz channel spacing
41	1271.0000	1283.0000	12mhz split 25khz channel spacing
42	1271.0250	1283.0250	12mhz split 25khz channel spacing
43	1271.0500	1283.0500	12mhz split 25khz channel spacing
44	1271.0750	1283.0750	12mhz split 25khz channel spacing
45	1271.1000	1283.1000	12mhz split 25khz channel spacing
46	1271.1250	1283.1250	12mhz split 25khz channel spacing
47	1271.1500	1283.1500	12mhz split 25khz channel spacing
48	1271.1750	1283.1750	12mhz split 25khz channel spacing
49	1271.2000	1283.2000	12mhz split 25khz channel spacing
50	1271.2250	1283.2250	12mhz split 25khz channel spacing
51	1271.2500	1283.2500	12mhz split 25khz channel spacing
52	1271.2750	1283.2750	12mhz split 25khz channel spacing
53	1271.3000	1283.3000	12mhz split 25khz channel spacing
54	1271.3250	1283.3250	12mhz split 25khz channel spacing
55	1271.3500	1283.3500	12mhz split 25khz channel spacing
56	1271.3750	1283.3750	12mhz split 25khz channel spacing
57	1271.4000	1283.4000	12mhz split 25khz channel spacing
58	1271.4250	1283.4250	12mhz split 25khz channel spacing
59	1271.4500	1283.4500	12mhz split 25khz channel spacing
60	1271.4750	1283.4750	12mhz split 25khz channel spacing
61	1271.5000	1283.5000	12mhz split 25khz channel spacing
62	1271.5250	1283.5250	12mhz split 25khz channel spacing
63	1271.5500	1283.5500	12mhz split 25khz channel spacing
64	1271.5750	1283.5750	12mhz split 25khz channel spacing
65	1271.6000	1283.6000	12mhz split 25khz channel spacing
66	1271.6250	1283.6250	12mhz split 25khz channel spacing
67	1271.6500	1283.6500	12mhz split 25khz channel spacing
68	1271.6750	1283.6750	12mhz split 25khz channel spacing
69	1271.7000	1283.7000	12mhz split 25khz channel spacing
70	1271.7250	1283.7250	12mhz split 25khz channel spacing
71	1271.7500	1283.7500	12mhz split 25khz channel spacing
72	1271.7750	1283.7750	12mhz split 25khz channel spacing
73	1271.8000	1283.8000	12mhz split 25khz channel spacing
74	1271.8250	1283.8250	12mhz split 25khz channel spacing
75	1271.8500	1283.8500	12mhz split 25khz channel spacing
76	1271.8750	1283.8750	12mhz split 25khz channel spacing
77	1271.9000	1283.9000	12mhz split 25khz channel spacing
78	1271.9250	1283.9250	12mhz split 25khz channel spacing
79	1271.9500	1283.9500	12mhz split 25khz channel spacing
80	1271.9750	1283.9750	12mhz split 25khz channel spacing
81	1272.0000	1284.0000	12mhz split 25khz channel spacing
82	1272.0250	1284.0250	12mhz split 25khz channel spacing
83	1272.0500	1284.0500	12mhz split 25khz channel spacing
84	1272.0750	1284.0750	12mhz split 25khz channel spacing
85	1272.1000	1284.1000	12mhz split 25khz channel spacing
86	1272.1250	1284.1250	12mhz split 25khz channel spacing
87	1272.1500	1284.1500	12mhz split 25khz channel spacing

88	1272.1750	1284.1750	12mhz split 25khz channel spacing
89	1272.2000	1284.2000	12mhz split 25khz channel spacing
90	1272.2250	1284.2250	12mhz split 25khz channel spacing
91	1272.2500	1284.2500	12mhz split 25khz channel spacing
92	1272.2750	1284.2750	12mhz split 25khz channel spacing
93	1272.3000	1284.3000	12mhz split 25khz channel spacing
94	1272.3250	1284.3250	12mhz split 25khz channel spacing
95	1272.3500	1284.3500	12mhz split 25khz channel spacing
96	1272.3750	1284.3750	12mhz split 25khz channel spacing
97	1272.4000	1284.4000	12mhz split 25khz channel spacing
98	1272.4250	1284.4250	12mhz split 25khz channel spacing
99	1272.4500	1284.4500	12mhz split 25khz channel spacing
100	1272.4750	1284.4750	12mhz split 25khz channel spacing
101	1272.5000	1284.5000	12mhz split 25khz channel spacing
102	1272.5250	1284.5250	12mhz split 25khz channel spacing
103	1272.5500	1284.5500	12mhz split 25khz channel spacing
104	1272.5750	1284.5750	12mhz split 25khz channel spacing
105	1272.6000	1284.6000	12mhz split 25khz channel spacing
106	1272.6250	1284.6250	12mhz split 25khz channel spacing
107	1272.6500	1284.6500	12mhz split 25khz channel spacing
108	1272.6750	1284.6750	12mhz split 25khz channel spacing
109	1272.7000	1284.7000	12mhz split 25khz channel spacing
110	1272.7250	1284.7250	12mhz split 25khz channel spacing
111	1272.7500	1284.7500	12mhz split 25khz channel spacing
112	1272.7750	1284.7750	12mhz split 25khz channel spacing
113	1272.8000	1284.8000	12mhz split 25khz channel spacing
114	1272.8250	1284.8250	12mhz split 25khz channel spacing
115	1272.8500	1284.8500	12mhz split 25khz channel spacing
116	1272.8750	1284.8750	12mhz split 25khz channel spacing
117	1272.9000	1284.9000	12mhz split 25khz channel spacing
118	1272.9250	1284.9250	12mhz split 25khz channel spacing
119	1272.9500	1284.9500	12mhz split 25khz channel spacing
120	1272.9750	1284.9750	12mhz split 25khz channel spacing
121	1273.0000	1293.0000	20mhz split 25khz channel spacing
122	1273.0250	1293.0250	20mhz split 25khz channel spacing
123	1273.0500	1293.0500	20mhz split 25khz channel spacing
124	1273.0750	1293.0750	20mhz split 25khz channel spacing
125	1273.1000	1293.1000	20mhz split 25khz channel spacing
126	1273.1250	1293.1250	20mhz split 25khz channel spacing
127	1273.1500	1293.1500	20mhz split 25khz channel spacing
128	1273.1750	1293.1750	20mhz split 25khz channel spacing
129	1273.2000	1293.2000	20mhz split 25khz channel spacing
130	1273.2250	1293.2250	20mhz split 25khz channel spacing
131	1273.2500	1293.2500	20mhz split 25khz channel spacing
132	1273.2750	1293.2750	20mhz split 25khz channel spacing
133	1273.3000	1293.3000	20mhz split 25khz channel spacing
134	1273.3250	1293.3250	20mhz split 25khz channel spacing
135	1273.3500	1293.3500	20mhz split 25khz channel spacing
136	1273.3750	1293.3750	20mhz split 25khz channel spacing
137	1273.4000	1293.4000	20mhz split 25khz channel spacing

138	1273.4250	1293.4250	20mhz split 25khz channel spacing
139	1273.4500	1293.4500	20mhz split 25khz channel spacing
140	1273.4750	1293.4750	20mhz split 25khz channel spacing
141	1273.5000	1293.5000	20mhz split 25khz channel spacing
142	1273.5250	1293.5250	20mhz split 25khz channel spacing
143	1273.5500	1293.5500	20mhz split 25khz channel spacing
144	1273.5750	1293.5750	20mhz split 25khz channel spacing
145	1273.6000	1293.6000	20mhz split 25khz channel spacing
146	1273.6250	1293.6250	20mhz split 25khz channel spacing
147	1273.6500	1293.6500	20mhz split 25khz channel spacing
148	1273.6750	1293.6750	20mhz split 25khz channel spacing
149	1273.7000	1293.7000	20mhz split 25khz channel spacing
150	1273.7250	1293.7250	20mhz split 25khz channel spacing
151	1273.7500	1293.7500	20mhz split 25khz channel spacing
152	1273.7750	1293.7750	20mhz split 25khz channel spacing
153	1273.8000	1293.8000	20mhz split 25khz channel spacing
154	1273.8250	1293.8250	20mhz split 25khz channel spacing
155	1273.8500	1293.8500	20mhz split 25khz channel spacing
156	1273.8750	1293.8750	20mhz split 25khz channel spacing
157	1273.9000	1293.9000	20mhz split 25khz channel spacing
158	1273.9250	1293.9250	20mhz split 25khz channel spacing
159	1273.9500	1293.9500	20mhz split 25khz channel spacing
160	1273.9750	1293.9750	20mhz split 25khz channel spacing
161	1274.0000	1286.0000	12mhz split 25khz channel spacing
162	1274.0250	1286.0250	12mhz split 25khz channel spacing
163	1274.0500	1286.0500	12mhz split 25khz channel spacing
164	1274.0750	1286.0750	12mhz split 25khz channel spacing
165	1274.1000	1286.1000	12mhz split 25khz channel spacing
166	1274.1250	1286.1250	12mhz split 25khz channel spacing
167	1274.1500	1286.1500	12mhz split 25khz channel spacing
168	1274.1750	1286.1750	12mhz split 25khz channel spacing
169	1274.2000	1286.2000	12mhz split 25khz channel spacing
170	1274.2250	1286.2250	12mhz split 25khz channel spacing
171	1274.2500	1286.2500	12mhz split 25khz channel spacing
172	1274.2750	1286.2750	12mhz split 25khz channel spacing
173	1274.3000	1286.3000	12mhz split 25khz channel spacing
174	1274.3250	1286.3250	12mhz split 25khz channel spacing
175	1274.3500	1286.3500	12mhz split 25khz channel spacing
176	1274.3750	1286.3750	12mhz split 25khz channel spacing
177	1274.4000	1286.4000	12mhz split 25khz channel spacing
178	1274.4250	1286.4250	12mhz split 25khz channel spacing
179	1274.4500	1286.4500	12mhz split 25khz channel spacing
180	1274.4750	1286.4750	12mhz split 25khz channel spacing
181	1274.5000	1286.5000	12mhz split 25khz channel spacing
182	1274.5250	1286.5250	12mhz split 25khz channel spacing
183	1274.5500	1286.5500	12mhz split 25khz channel spacing
184	1274.5750	1286.5750	12mhz split 25khz channel spacing
185	1274.6000	1286.6000	12mhz split 25khz channel spacing
186	1274.6250	1286.6250	12mhz split 25khz channel spacing
187	1274.6500	1286.6500	12mhz split 25khz channel spacing

188	1274.6750	1286.6750	12mhz split 25khz channel spacing
189	1274.7000	1286.7000	12mhz split 25khz channel spacing
190	1274.7250	1286.7250	12mhz split 25khz channel spacing
191	1274.7500	1286.7500	12mhz split 25khz channel spacing
192	1274.7750	1286.7750	12mhz split 25khz channel spacing
193	1274.8000	1286.8000	12mhz split 25khz channel spacing
194	1274.8250	1286.8250	12mhz split 25khz channel spacing
195	1274.8500	1286.8500	12mhz split 25khz channel spacing
196	1274.8750	1286.8750	12mhz split 25khz channel spacing
197	1274.9000	1286.9000	12mhz split 25khz channel spacing
198	1274.9250	1286.9250	12mhz split 25khz channel spacing
199	1274.9500	1286.9500	12mhz split 25khz channel spacing
200	1274.9750	1286.9750	12mhz split 25khz channel spacing
201	1275.0000	1287.0000	12mhz split 25khz channel spacing
202	1275.0250	1287.0250	12mhz split 25khz channel spacing
203	1275.0500	1287.0500	12mhz split 25khz channel spacing
204	1275.0750	1287.0750	12mhz split 25khz channel spacing
205	1275.1000	1287.1000	12mhz split 25khz channel spacing
206	1275.1250	1287.1250	12mhz split 25khz channel spacing
207	1275.1500	1287.1500	12mhz split 25khz channel spacing
208	1275.1750	1287.1750	12mhz split 25khz channel spacing
209	1275.2000	1287.2000	12mhz split 25khz channel spacing
210	1275.2250	1287.2250	12mhz split 25khz channel spacing
211	1275.2500	1287.2500	12mhz split 25khz channel spacing
212	1275.2750	1287.2750	12mhz split 25khz channel spacing
213	1275.3000	1287.3000	12mhz split 25khz channel spacing
214	1275.3250	1287.3250	12mhz split 25khz channel spacing
215	1275.3500	1287.3500	12mhz split 25khz channel spacing
216	1275.3750	1287.3750	12mhz split 25khz channel spacing
217	1275.4000	1287.4000	12mhz split 25khz channel spacing
218	1275.4250	1287.4250	12mhz split 25khz channel spacing
219	1275.4500	1287.4500	12mhz split 25khz channel spacing
220	1275.4750	1287.4750	12mhz split 25khz channel spacing
221	1275.5000	1287.5000	12mhz split 25khz channel spacing
222	1275.5250	1287.5250	12mhz split 25khz channel spacing
223	1275.5500	1287.5500	12mhz split 25khz channel spacing
224	1275.5750	1287.5750	12mhz split 25khz channel spacing
225	1275.6000	1287.6000	12mhz split 25khz channel spacing
226	1275.6250	1287.6250	12mhz split 25khz channel spacing
227	1275.6500	1287.6500	12mhz split 25khz channel spacing
228	1275.6750	1287.6750	12mhz split 25khz channel spacing
229	1275.7000	1287.7000	12mhz split 25khz channel spacing
230	1275.7250	1287.7250	12mhz split 25khz channel spacing
231	1275.7500	1287.7500	12mhz split 25khz channel spacing
232	1275.7750	1287.7750	12mhz split 25khz channel spacing
233	1275.8000	1287.8000	12mhz split 25khz channel spacing
234	1275.8250	1287.8250	12mhz split 25khz channel spacing
235	1275.8500	1287.8500	12mhz split 25khz channel spacing
236	1275.8750	1287.8750	12mhz split 25khz channel spacing
237	1275.9000	1287.9000	12mhz split 25khz channel spacing

238	1275.9250	1287.9250	12mhz split 25khz channel spacing
239	1275.9500	1287.9500	12mhz split 25khz channel spacing
240	1275.9750	1287.9750	12mhz split 25khz channel spacing
241	1276.0000	1288.0000	12mhz split 25khz channel spacing