



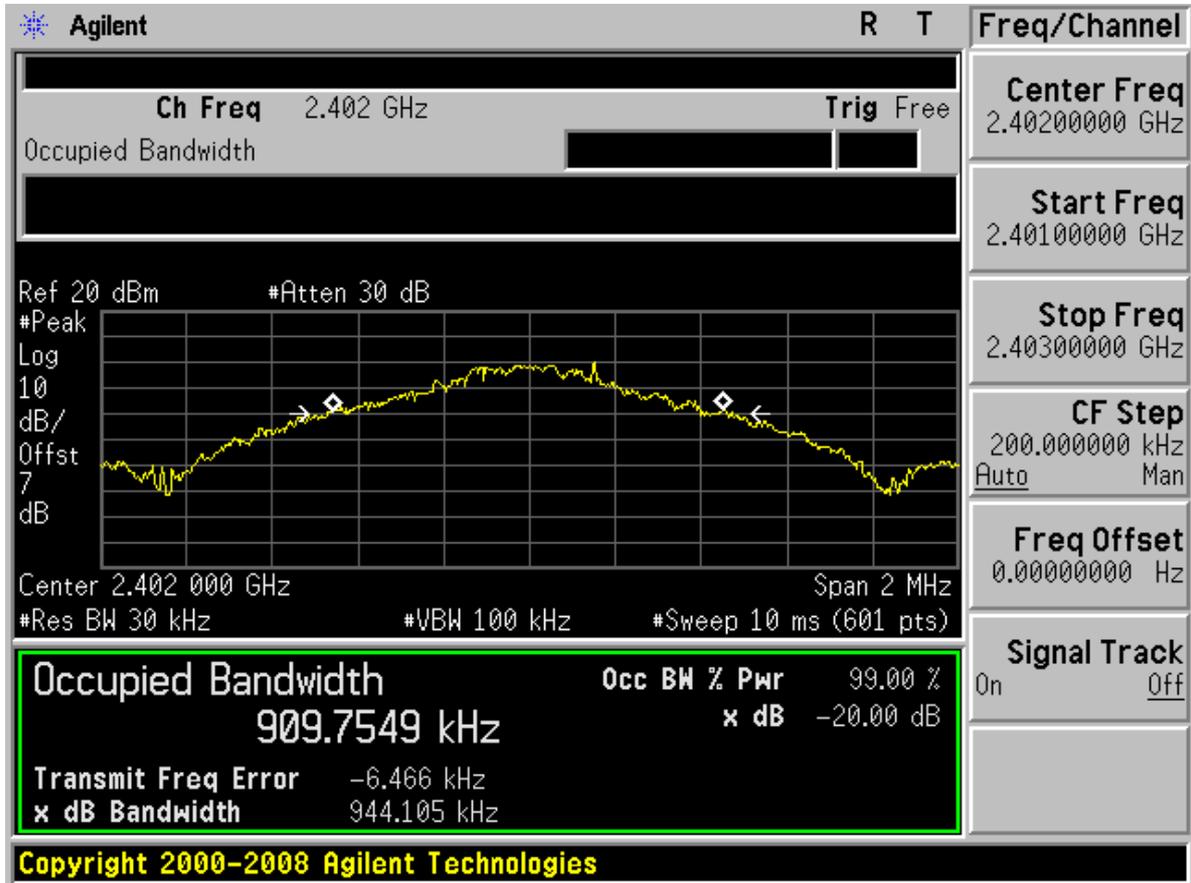
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)



Channel 0 (2402MHz)





Channel 40 (2442MHz)

Agilent
R T

Ch Freq 2.442 GHz **Trig** Free

Occupied Bandwidth

Freq/Channel

Center Freq
2.44200000 GHz

Start Freq
2.44100000 GHz

Stop Freq
2.44300000 GHz

CF Step
200.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Ref 20 dBm #Atten 30 dB

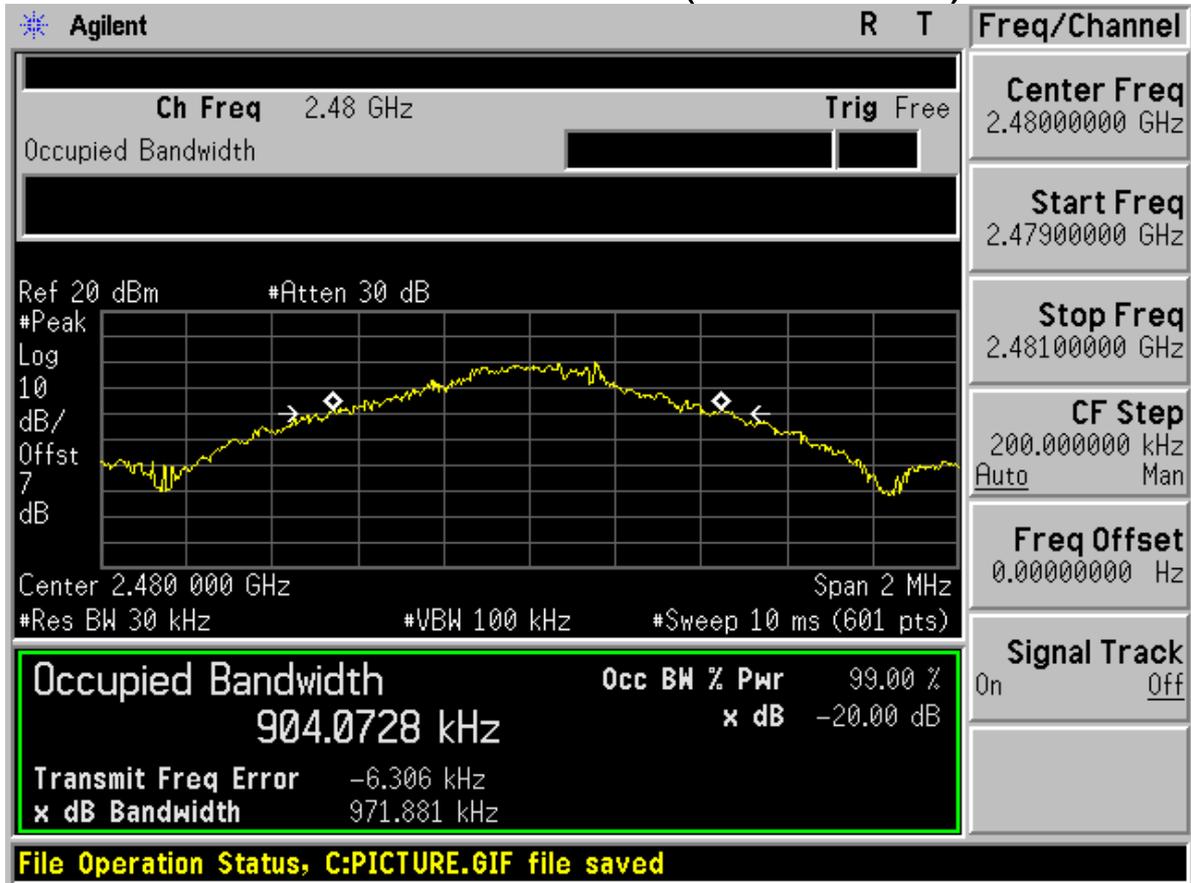
Center 2.442 000 GHz Span 2 MHz
 #Res BW 30 kHz #VBW 100 kHz #Sweep 10 ms (601 pts)

Occupied Bandwidth	Occ BW % Pwr 99.00 %
913.3738 kHz	x dB -20.00 dB
Transmit Freq Error	-8.706 kHz
x dB Bandwidth	951.906 kHz

File Operation Status, C:PICTURE.GIF file saved



Channel 78 (2480MHz)





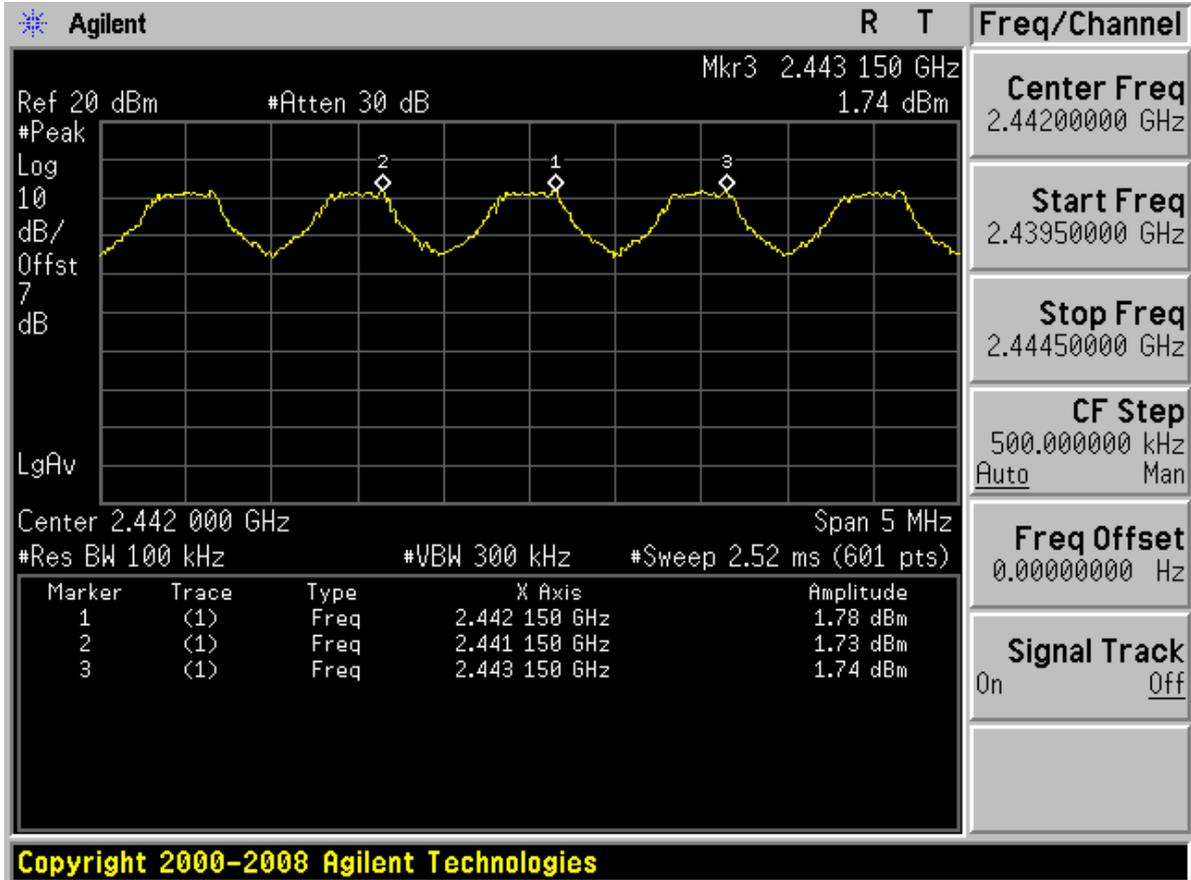
Appendix B

Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



Centred at Channel 40





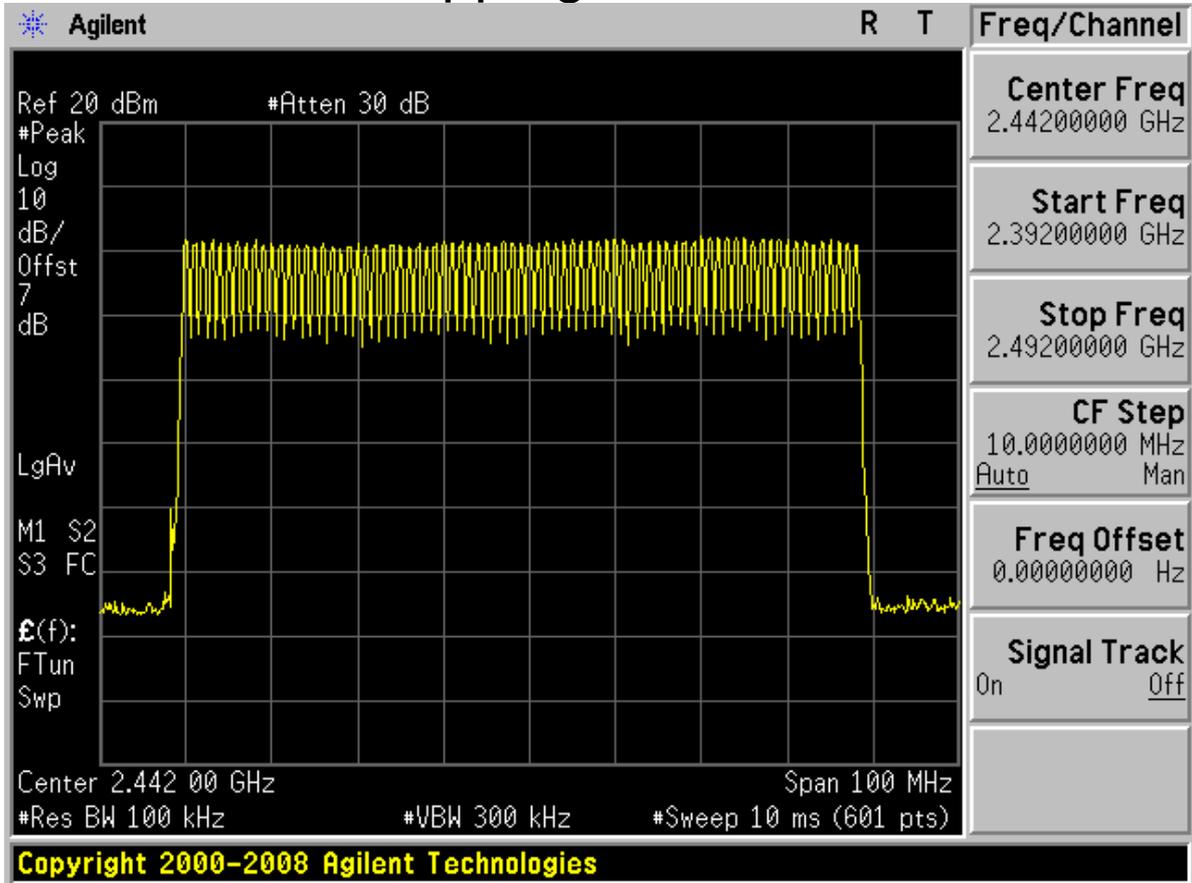
Appendix C

Number of hopping channel

According to FCC Part 15.247 (a) (1) iii



Total hopping channels = 79





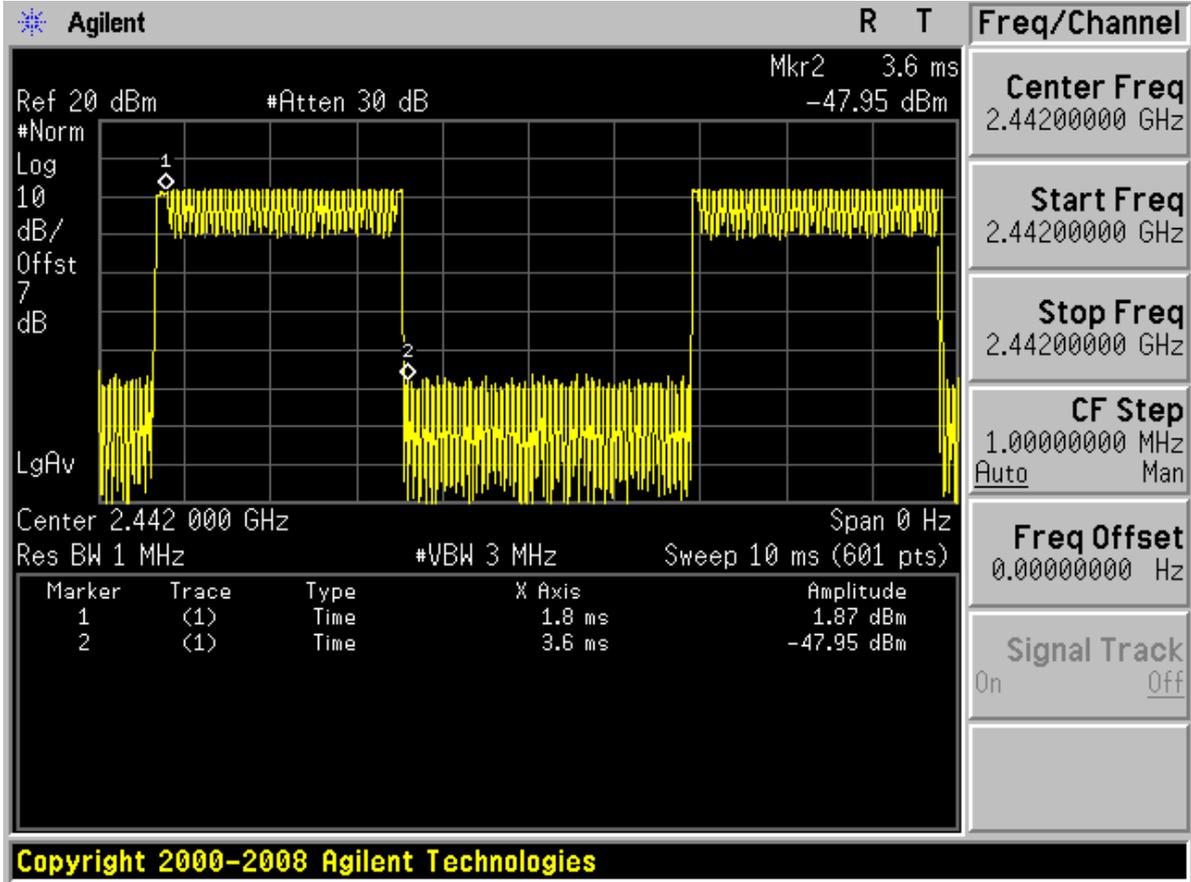
Appendix D

Time of occupancy

According to FCC Part 15.247 (a) (1) iii

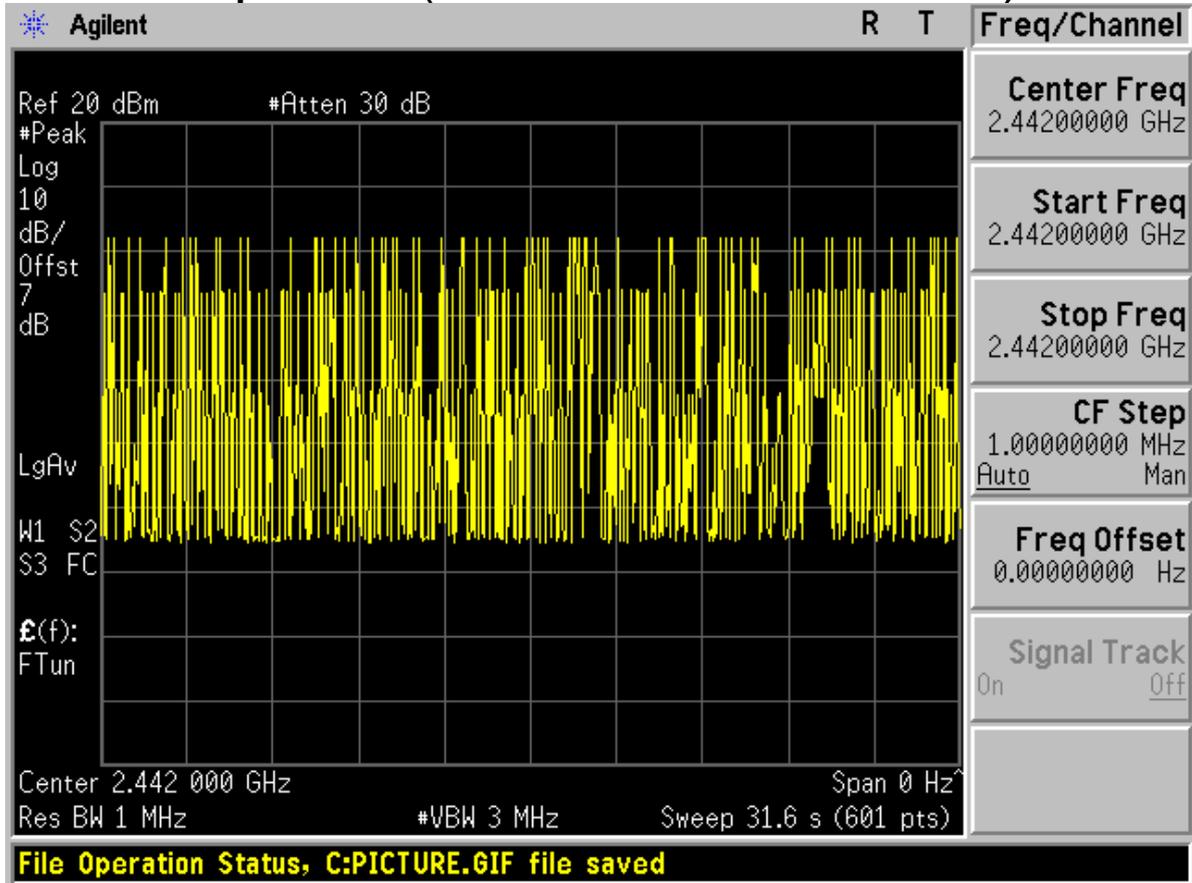


A burst (One time slot)





A period (Less than 106.7 burst)





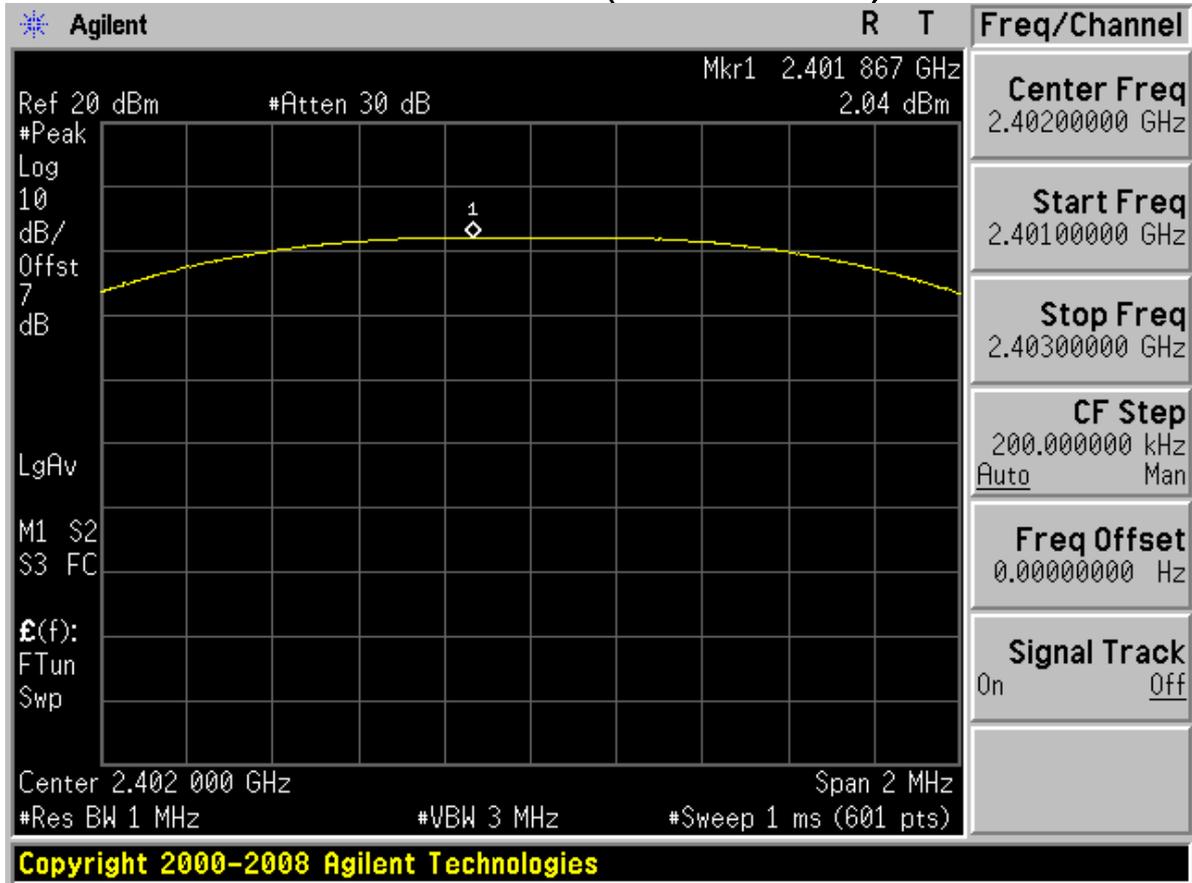
Appendix E

Peak output power

According to FCC Part 15.247 (b) (1)

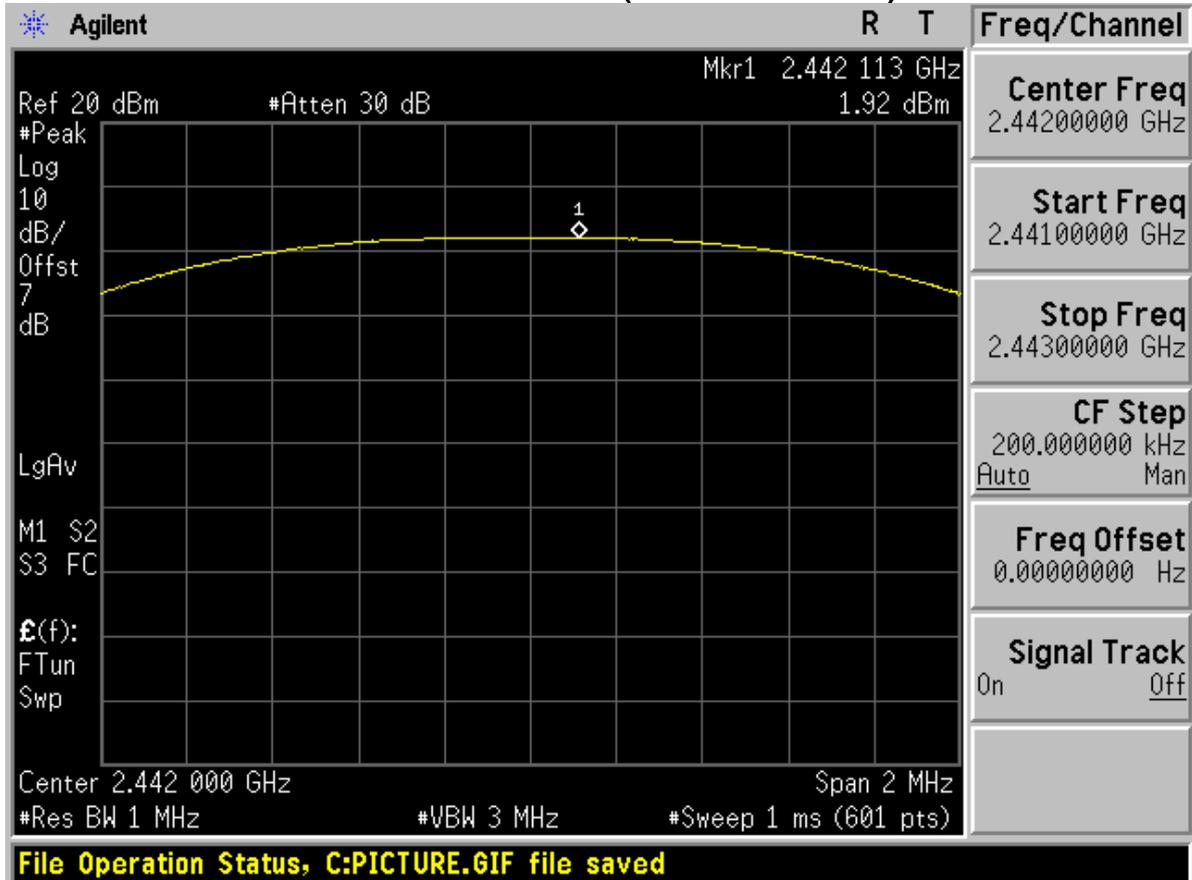


Channel 0 (2402MHz)



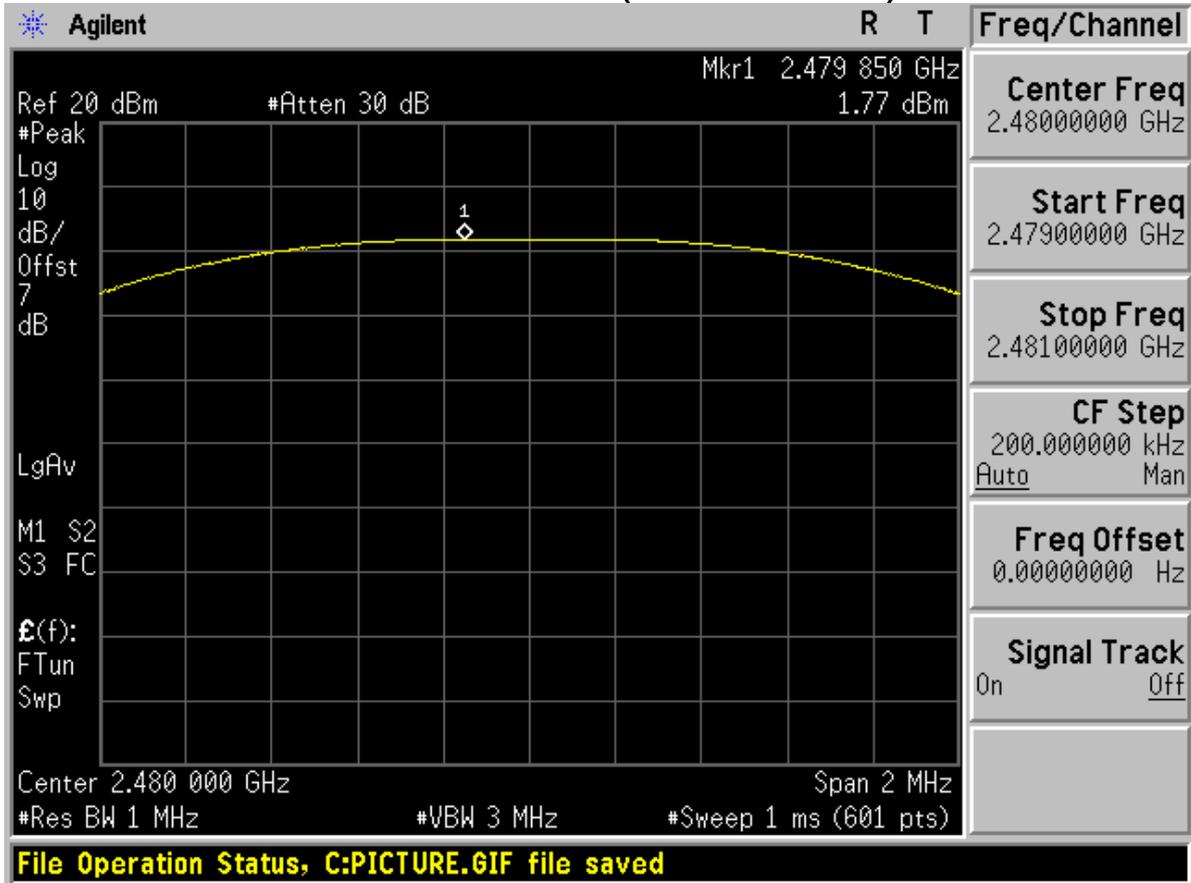


Channel 40 (2442MHz)





Channel 78 (2480MHz)





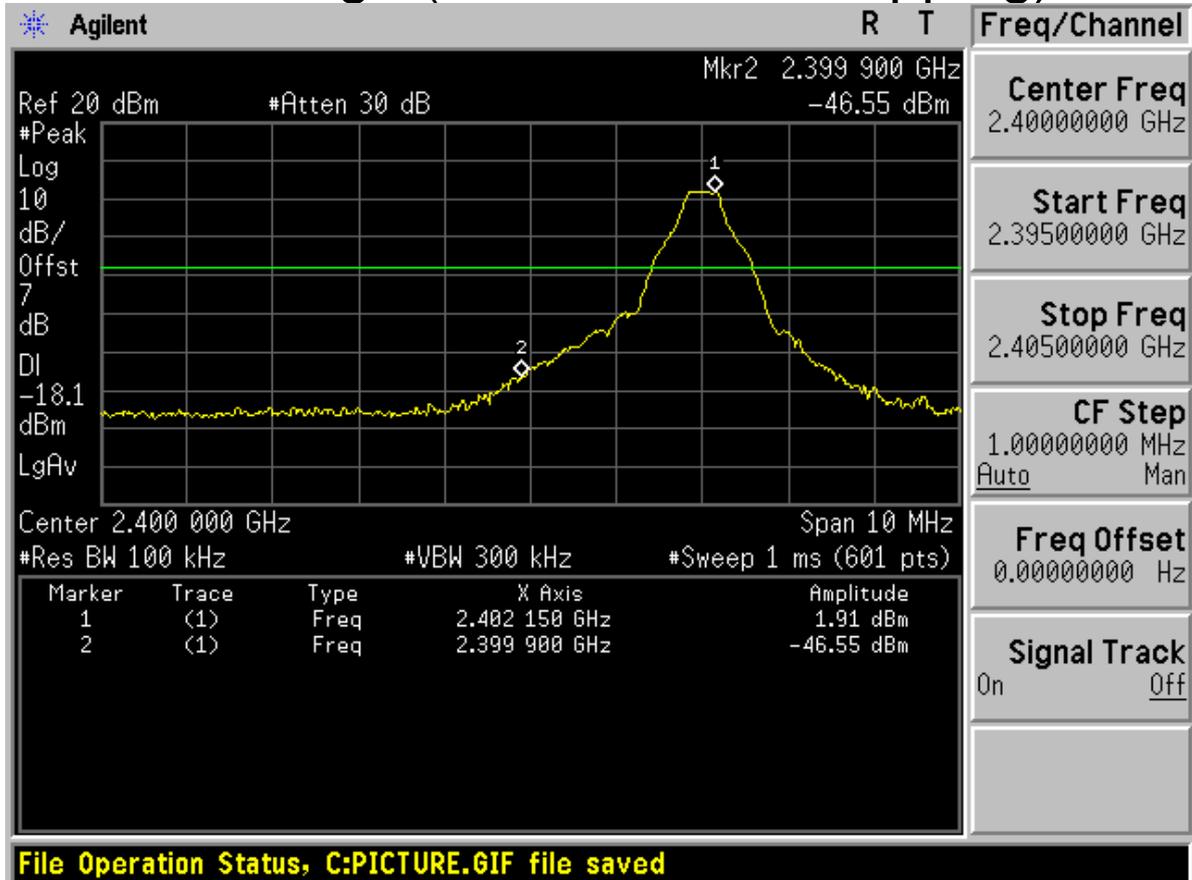
Appendix F

Band edge spurious emission

According to FCC Part 15.247 (d)

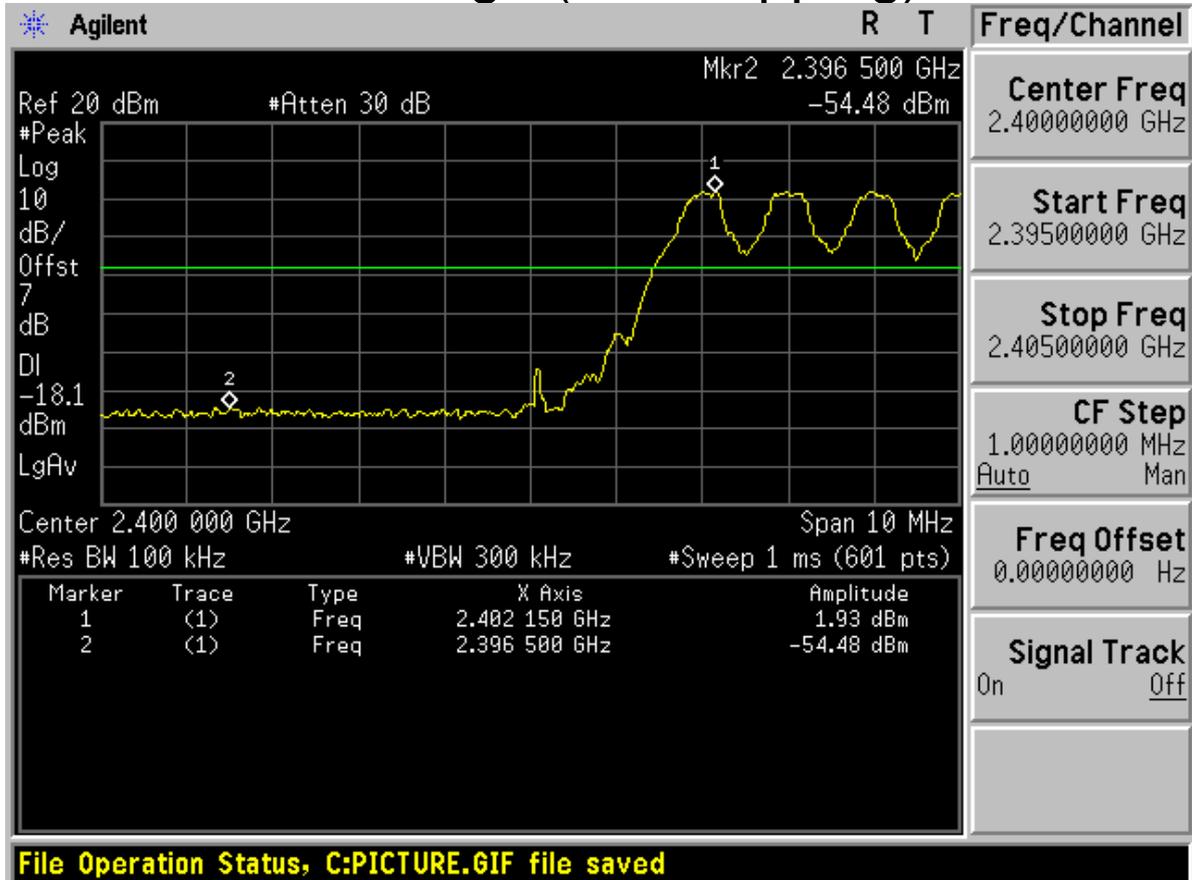


Low edge (Channel 0, no hopping)



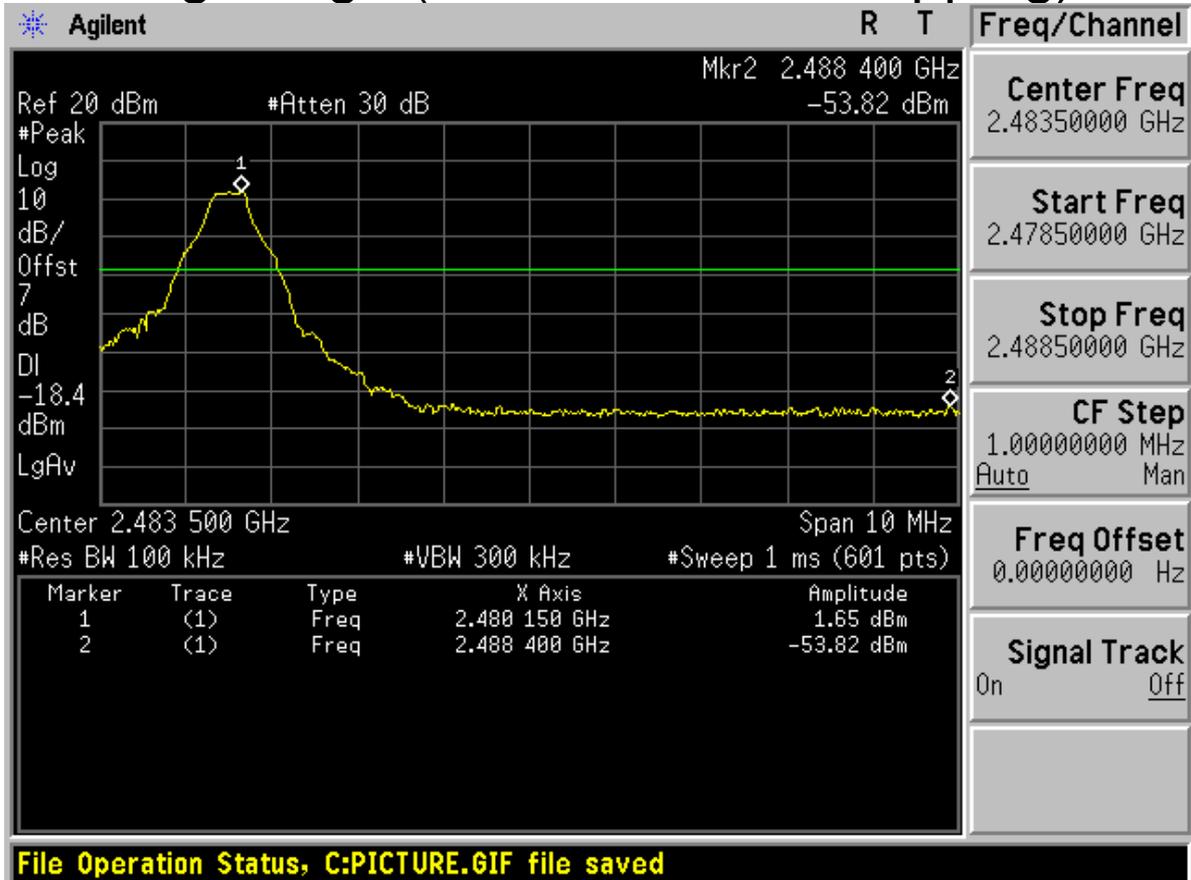


Low edge (with hopping)



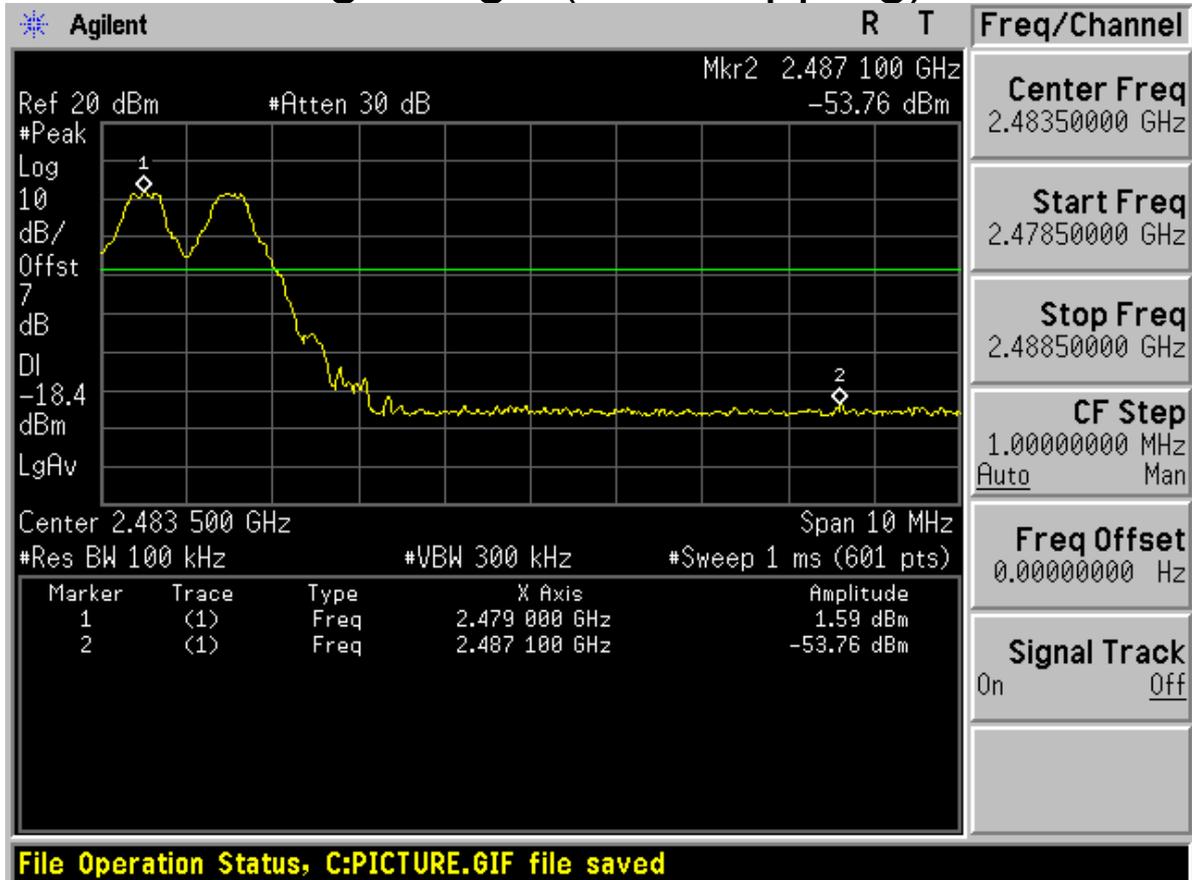


High edge (Channel 78, no hopping)





High edge (with hopping)





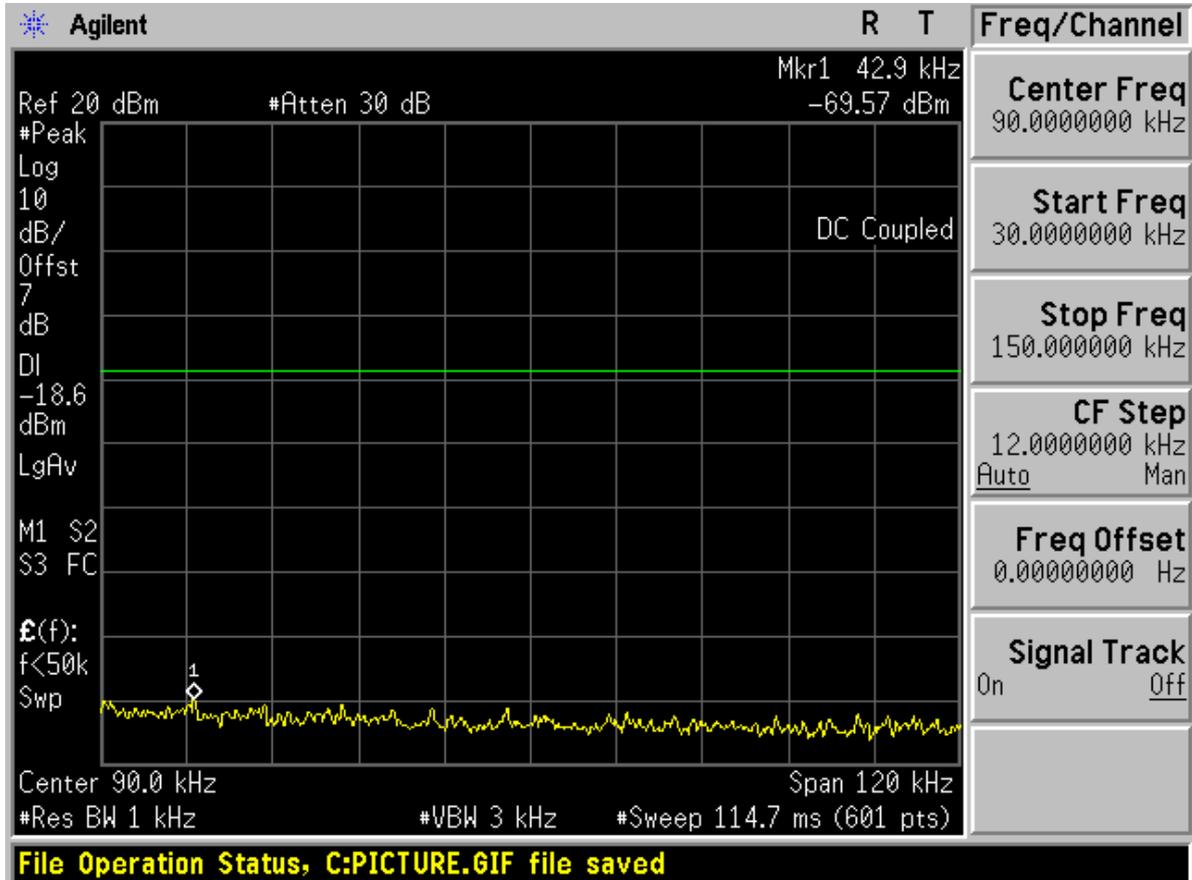
Appendix G

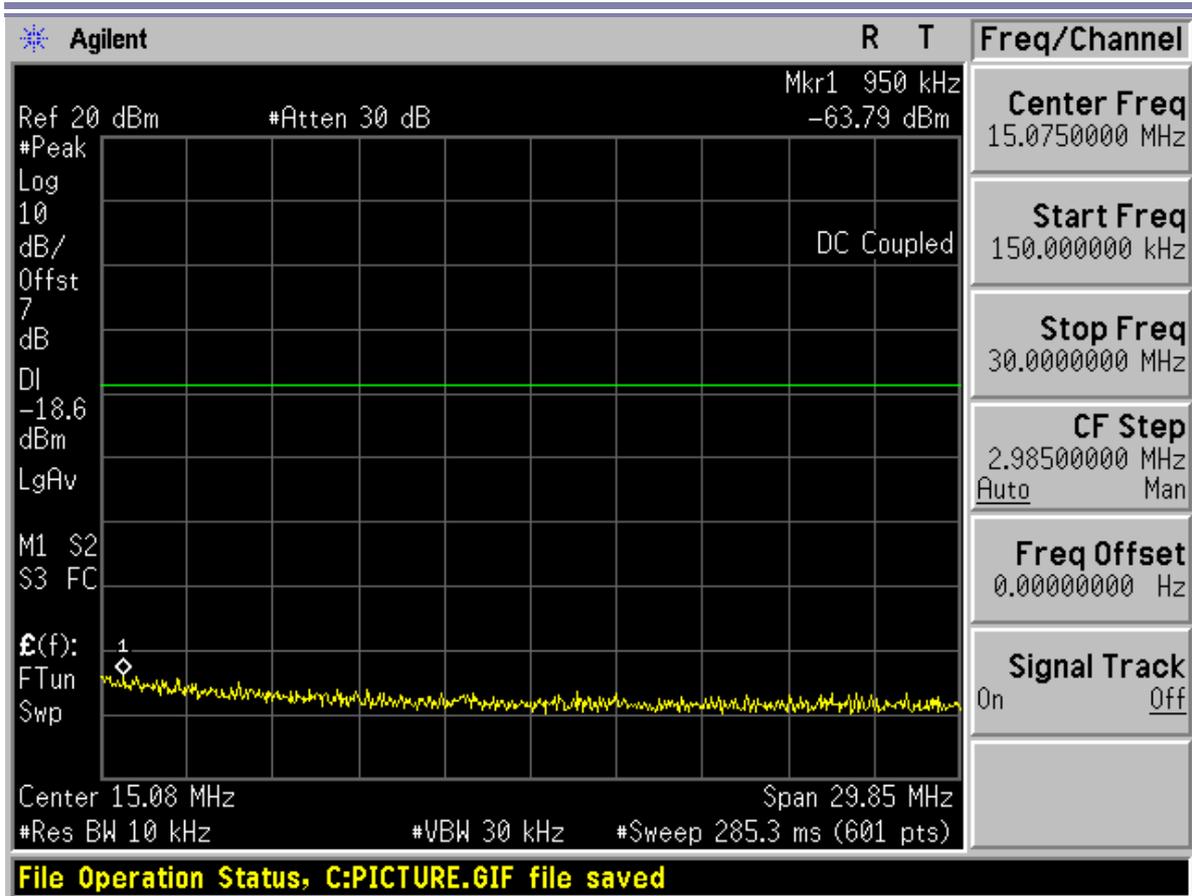
Conducted RF spurious

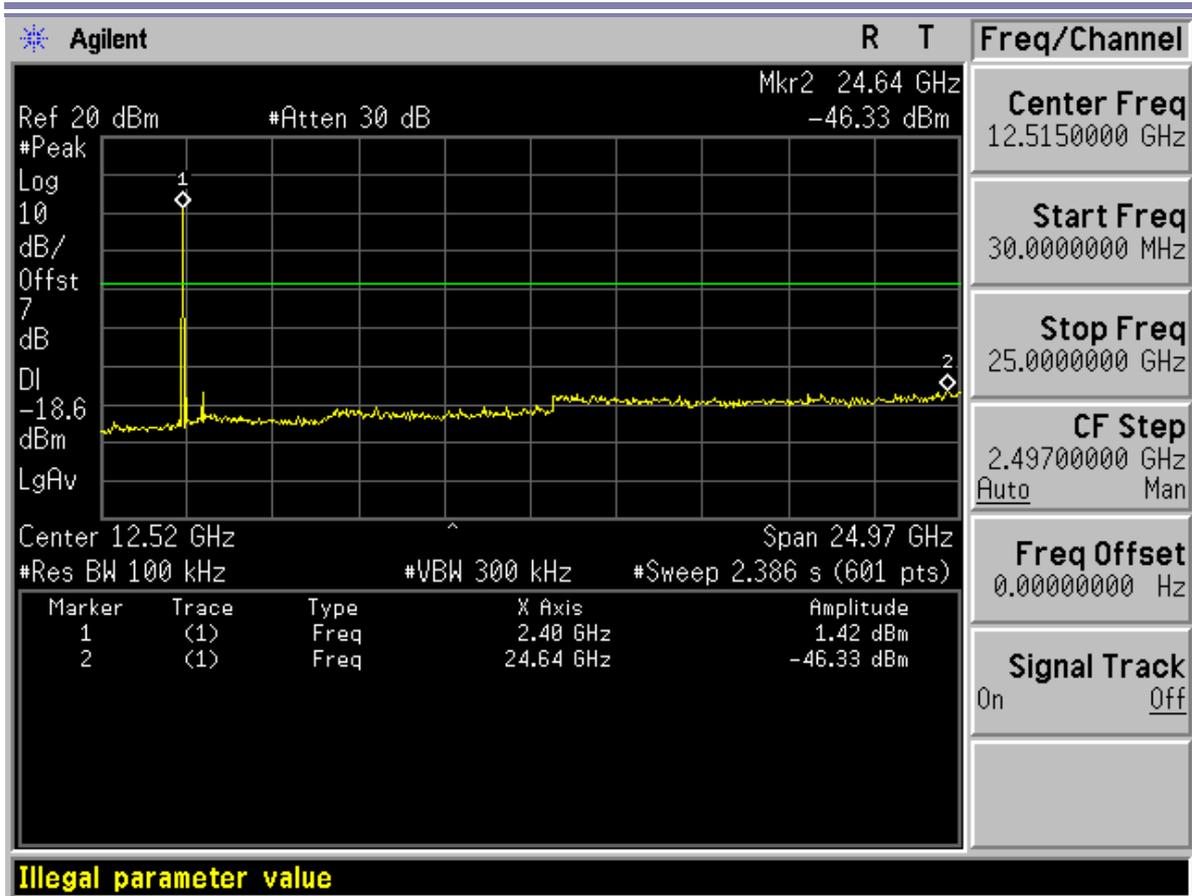
According to FCC Part 15.247 (d)



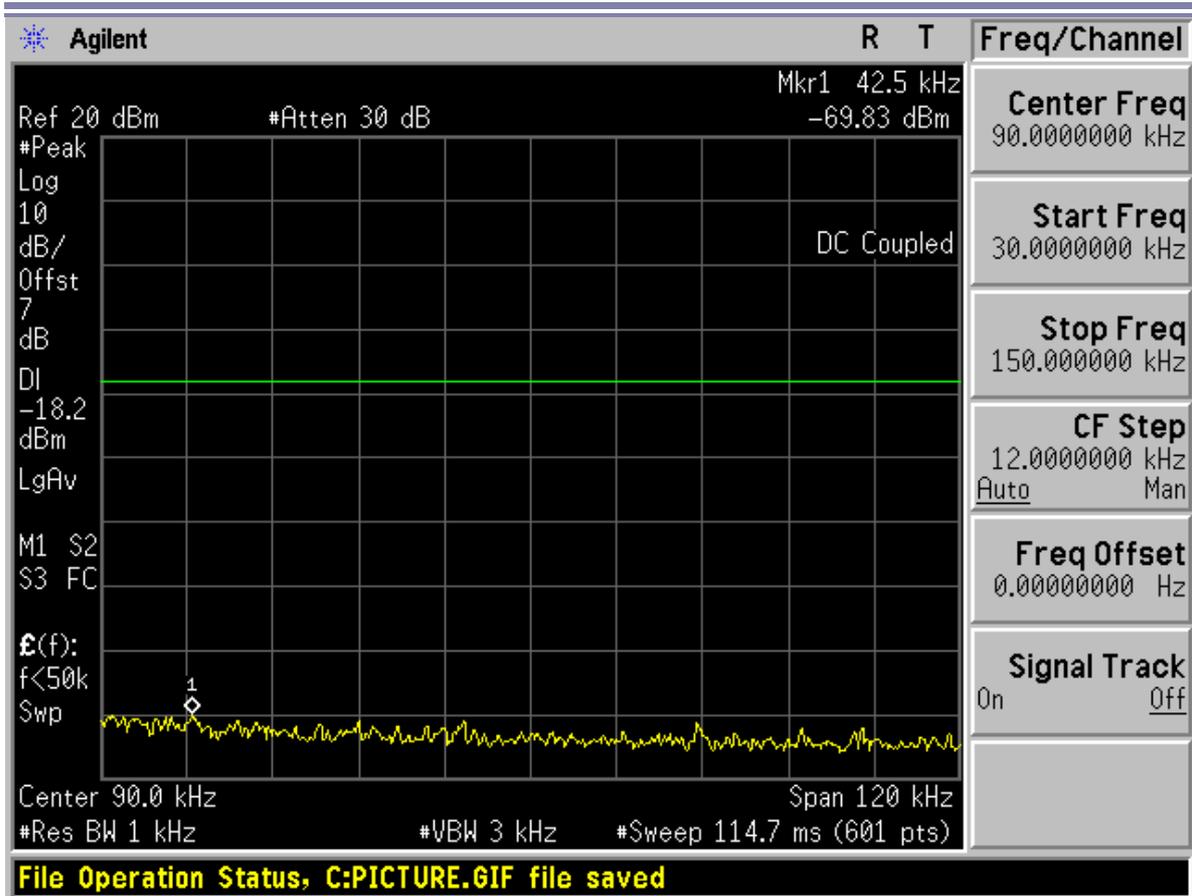
Channel 0

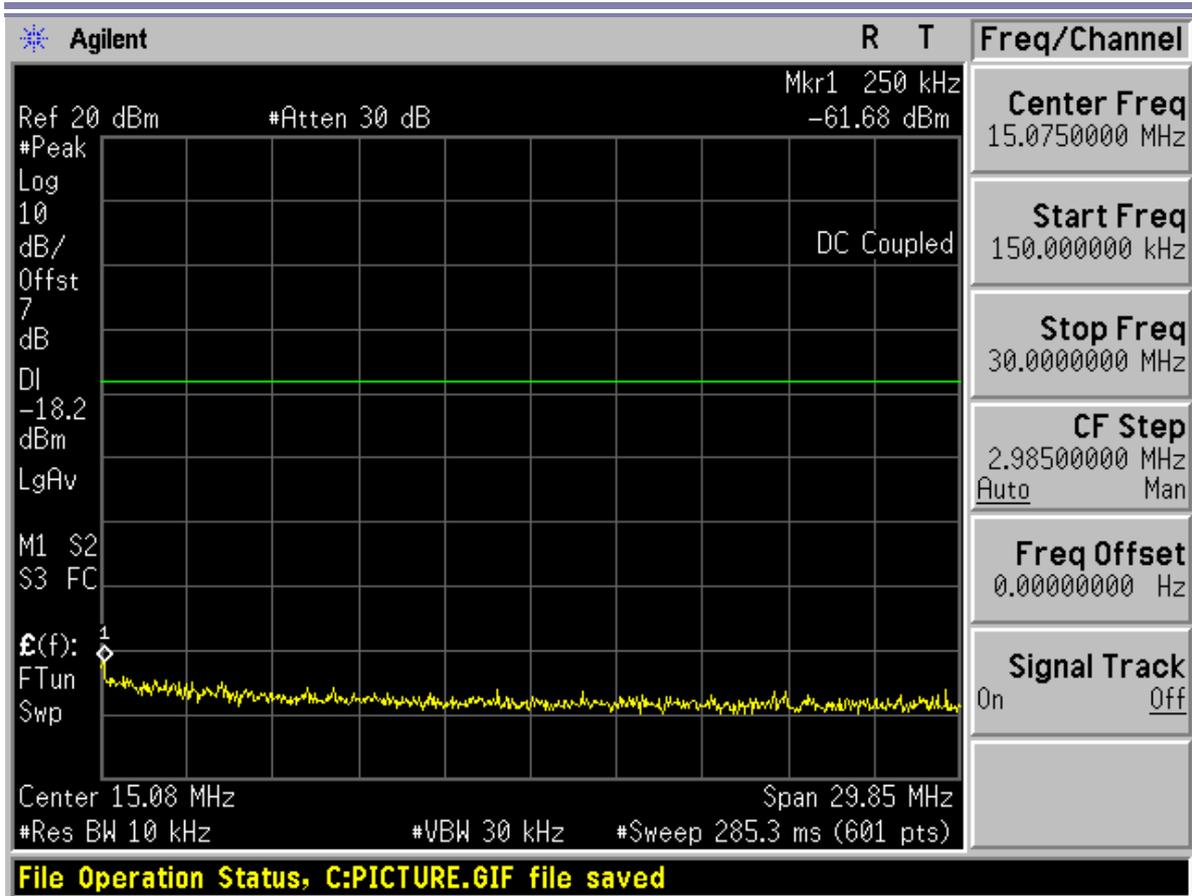


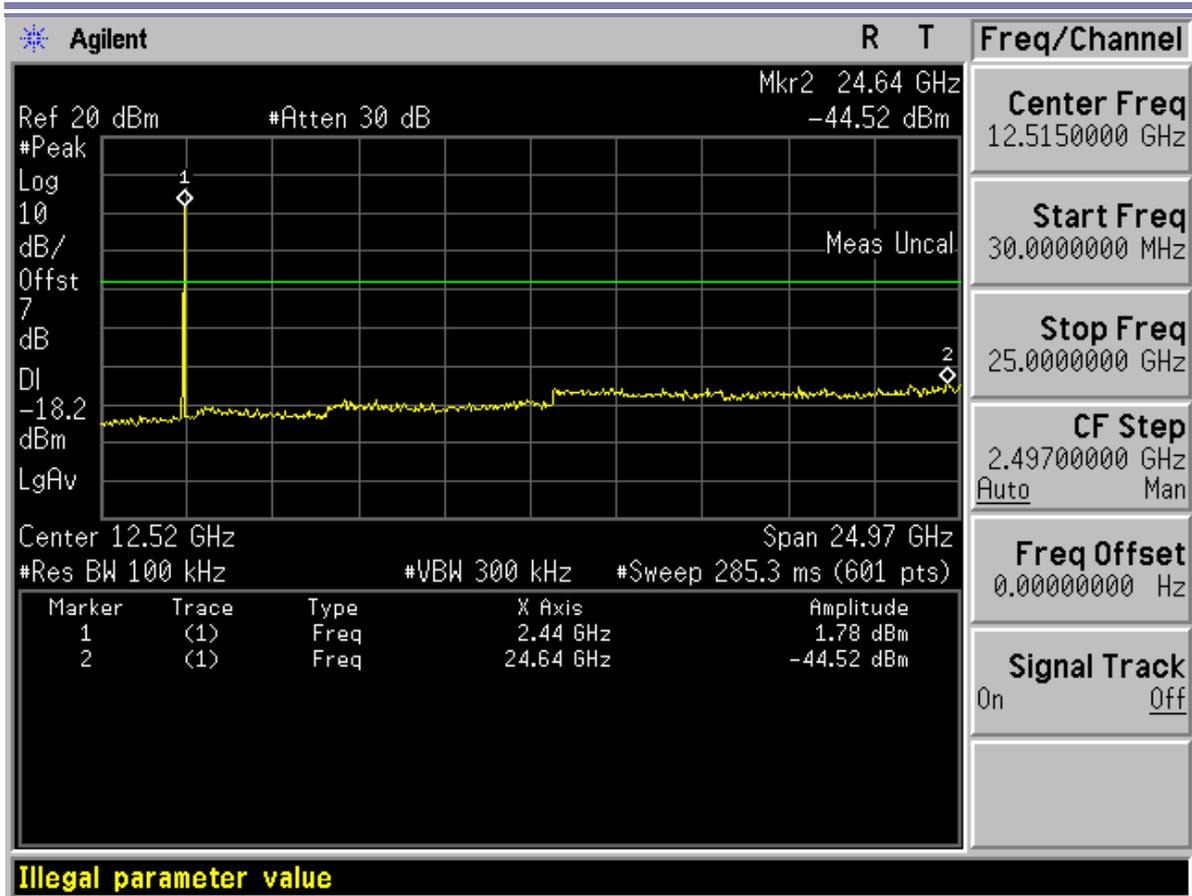




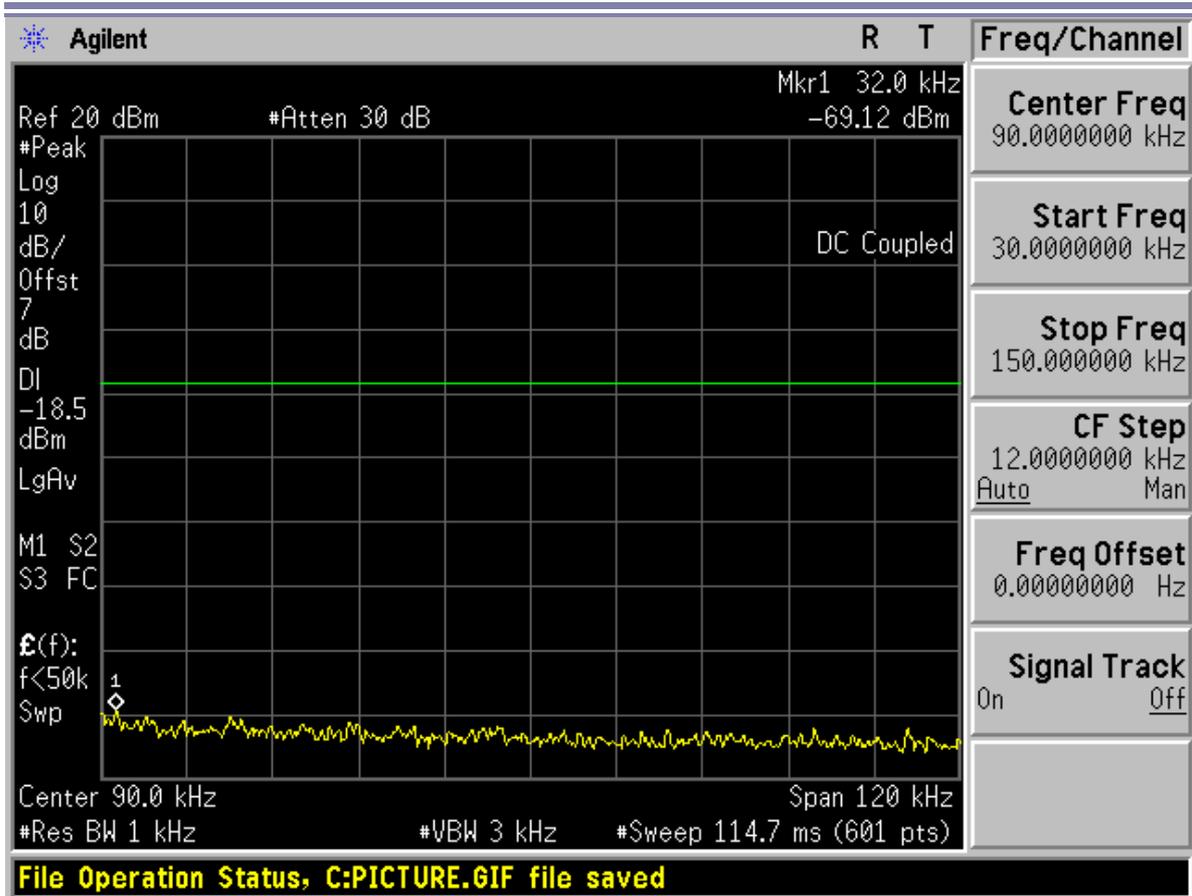
Channel 40

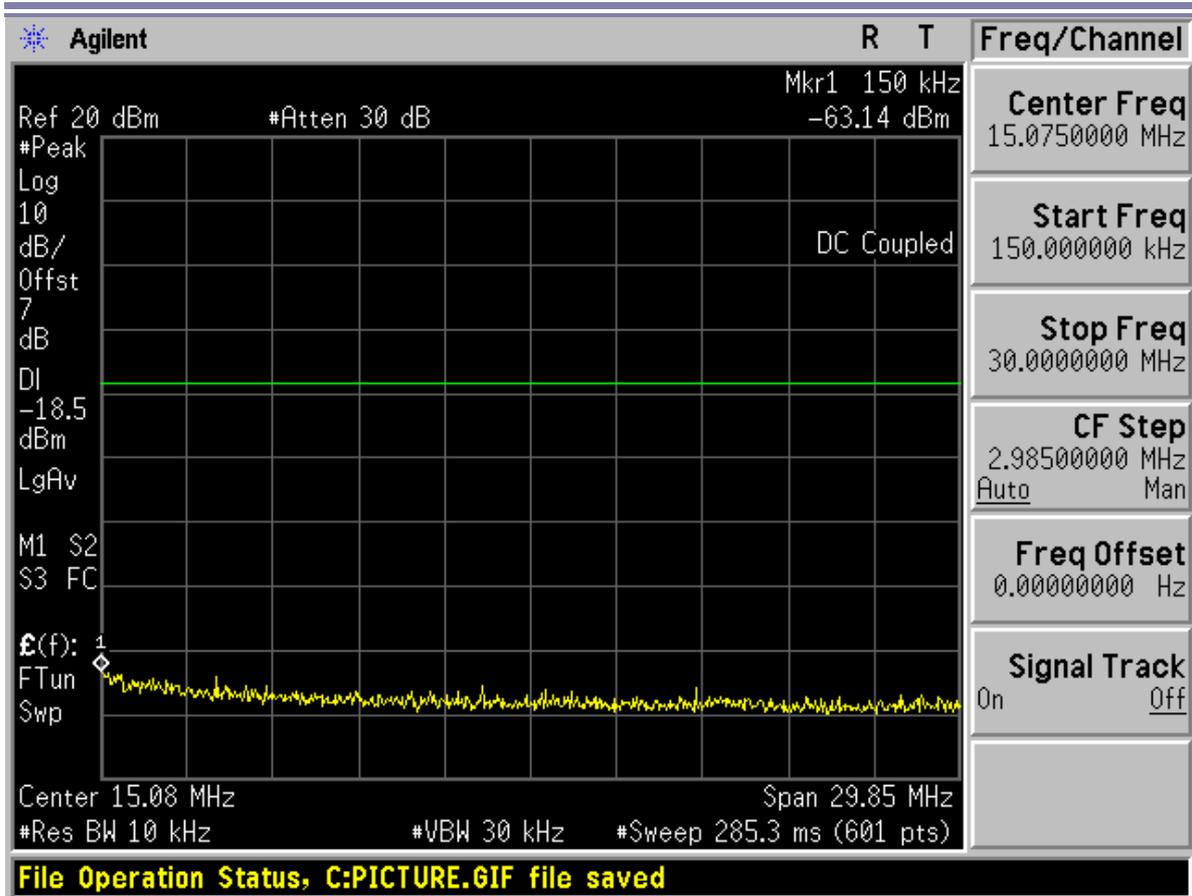


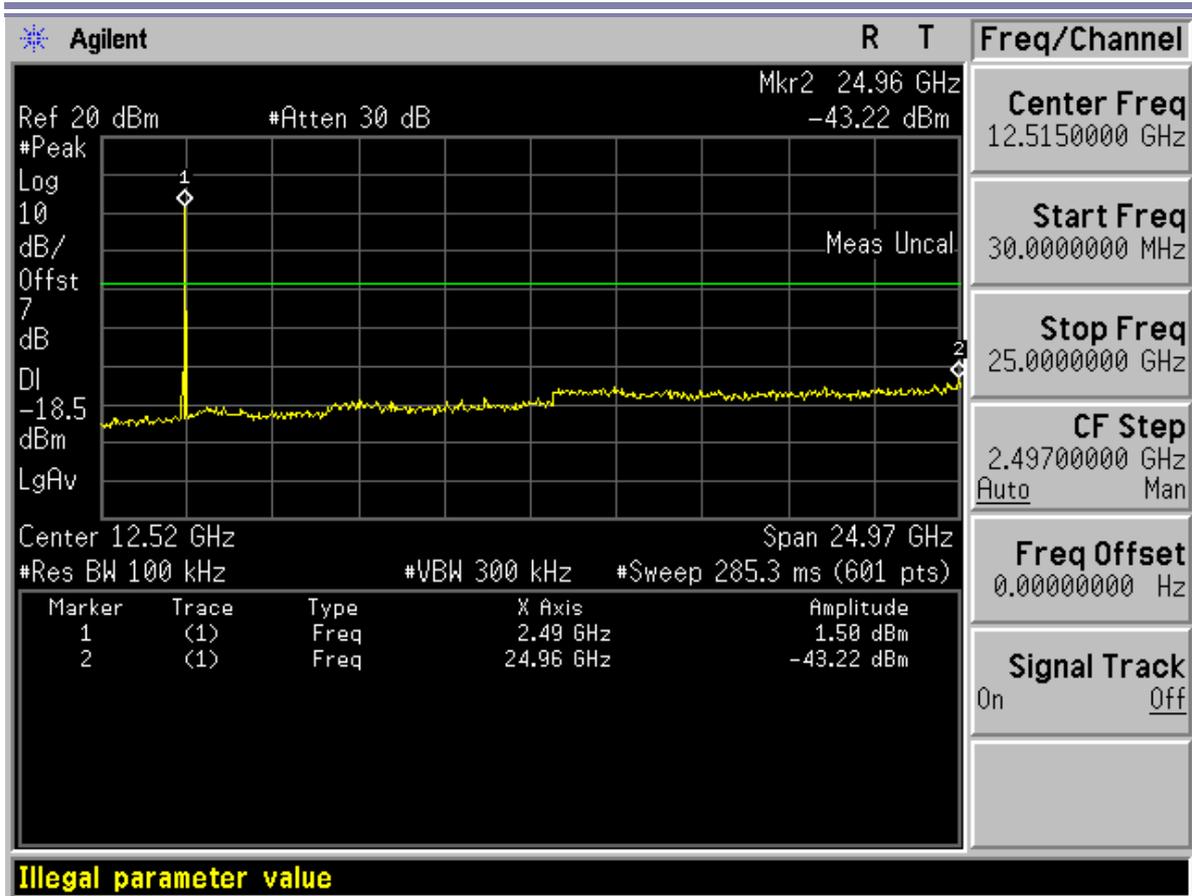




Channel 78









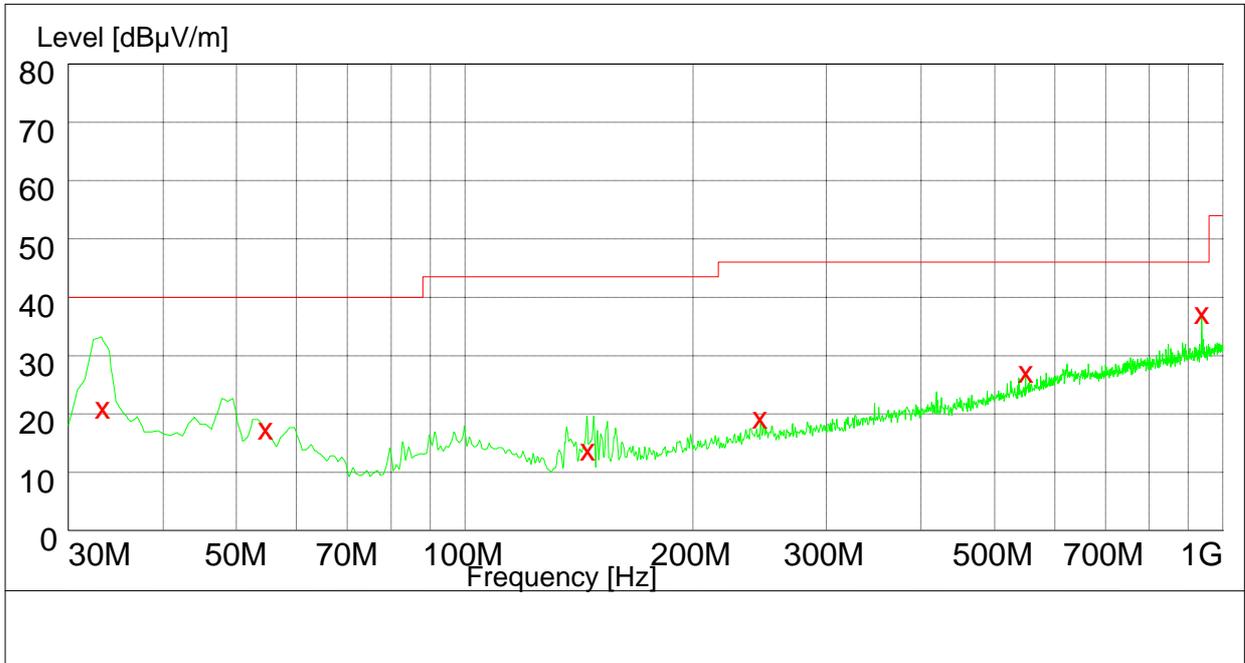
Appendix H

Radiated spurious emission

According to FCC Part 15.247 (d) & 15.205 & 15.209



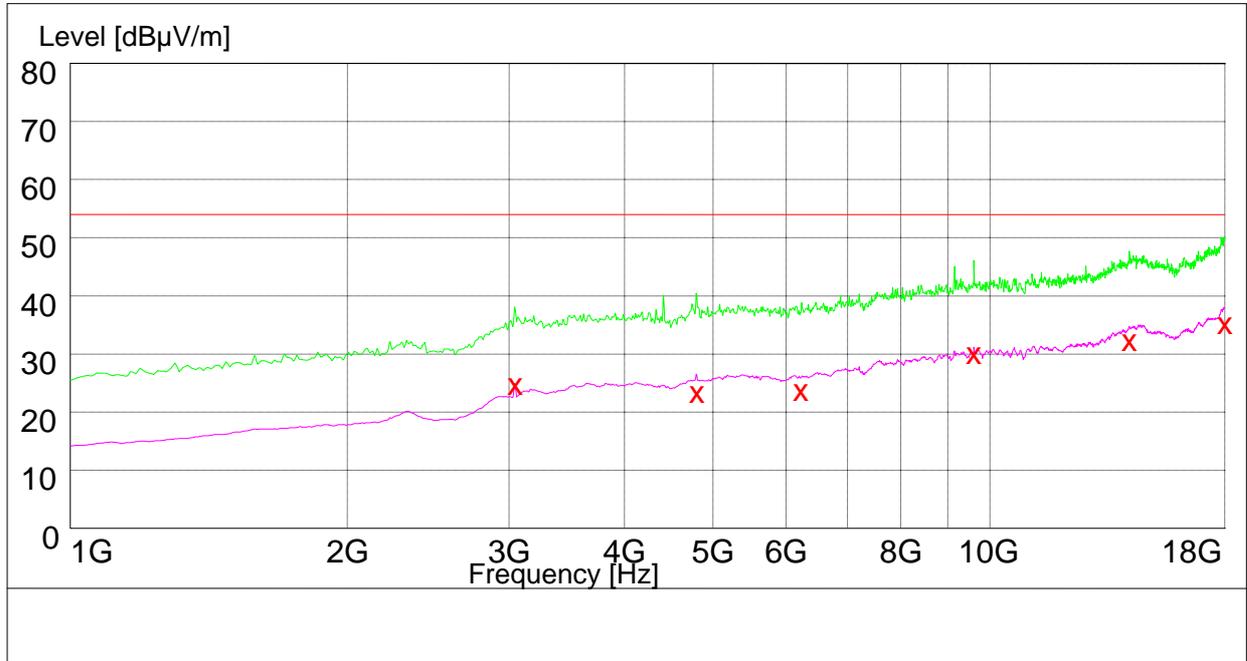
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.300000	22.60	11.7	40.0	17.4	147.0	96.00	VERTICAL
54.600000	19.10	12.7	40.0	20.9	276.0	36.00	VERTICAL
145.320000	15.40	8.9	43.5	28.1	275.0	223.00	VERTICAL
245.220000	20.90	14.1	46.0	25.1	224.0	292.00	HORIZONTAL
549.900000	28.70	21.4	46.0	17.3	236.0	100.00	VERTICAL
938.220000	38.80	26.5	46.0	7.2	149.0	8.00	HORIZONTAL



1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
3046.000000	26.40	-9.0	54.0	27.6	100.0	50.00	HORIZONTAL
4800.500000	25.00	-4.1	54.0	29.0	141.0	319.00	VERTICAL
6230.500000	25.40	-1.4	54.0	28.6	114.0	178.00	VERTICAL
9608.500000	31.80	5.1	54.0	22.2	154.0	25.00	HORIZONTAL
14175.000000	34.00	11.4	54.0	20.0	125.0	315.00	VERTICAL
18000.000000	36.90	17.3	54.0	17.1	178.0	350.00	HORIZONTAL

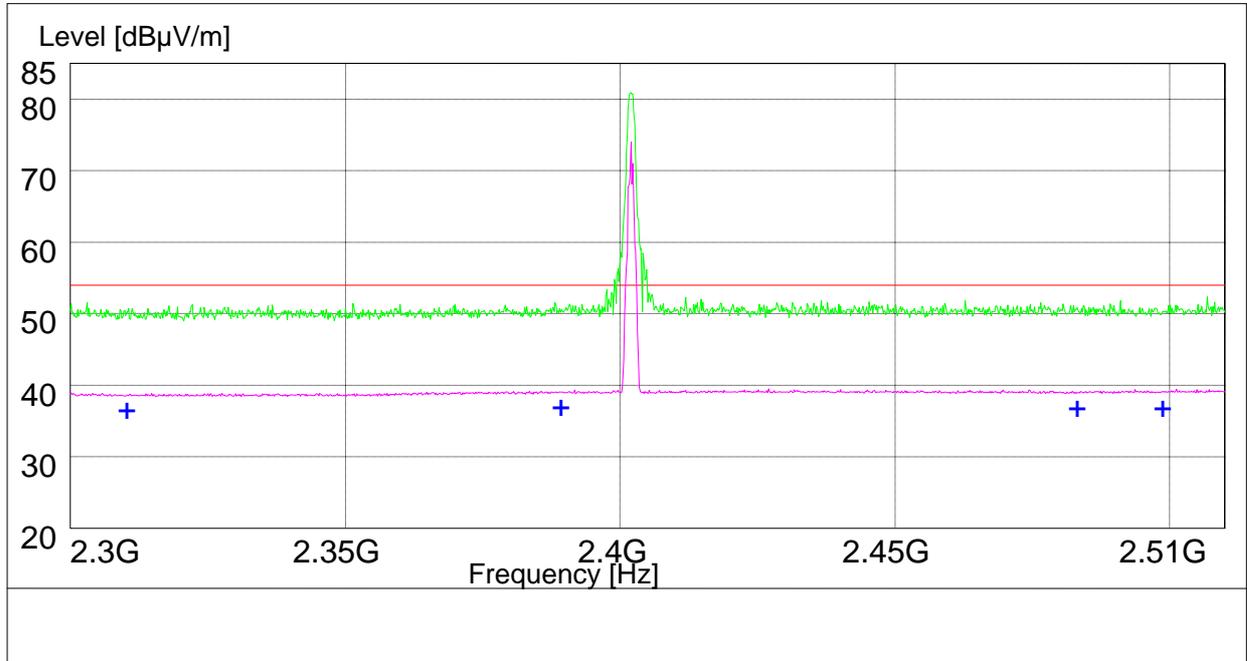


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz

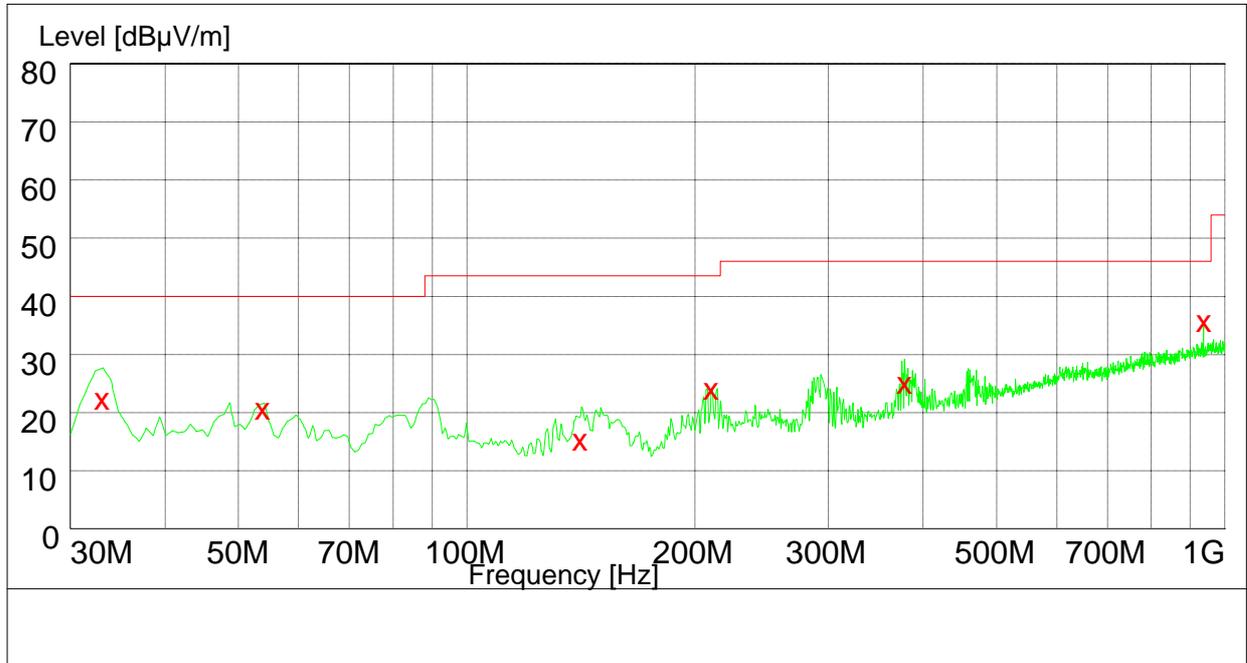


Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.00	33.3	54.0	16.0	200.0	9.00	VERTICAL
2390.000000	38.40	33.5	54.0	15.6	183.0	162.00	VERTICAL
2483.500000	38.30	33.7	54.0	15.7	122.0	144.00	HORIZONTAL
2500.000000	38.30	33.8	54.0	15.7	198.0	132.00	HORIZONTAL



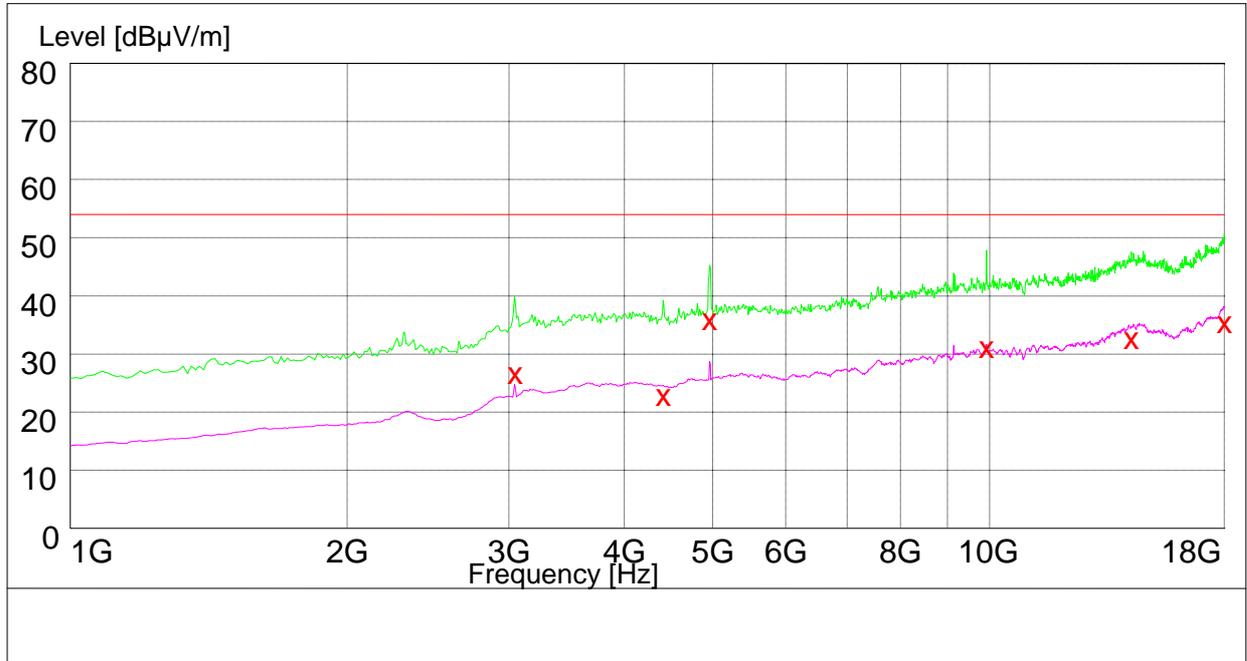
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.000000	22.20	11.7	40.0	17.8	113.0	129.00	VERTICAL
53.760000	20.50	12.7	40.0	19.5	100.0	61.00	VERTICAL
140.880000	16.90	8.7	43.5	26.6	124.0	346.00	VERTICAL
209.940000	24.20	12.5	43.5	19.3	107.0	2.00	VERTICAL
377.940000	25.00	17.6	46.0	21.0	246.0	98.00	HORIZONTAL
938.220000	36.30	26.5	46.0	9.7	140.0	115.00	HORIZONTAL



1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
3046.000000	28.30	-9.0	54.0	25.7	100.0	52.00	HORIZONTAL
4415.500000	24.40	-5.7	54.0	29.6	102.0	38.00	VERTICAL
4960.000000	37.50	-3.8	54.0	16.5	101.0	346.00	VERTICAL
9920.000000	32.80	5.1	54.0	21.2	107.0	315.00	VERTICAL
14264.500000	34.20	11.7	54.0	19.8	133.0	147.00	VERTICAL
17999.500000	37.00	17.3	54.0	17.0	109.0	332.00	VERTICAL

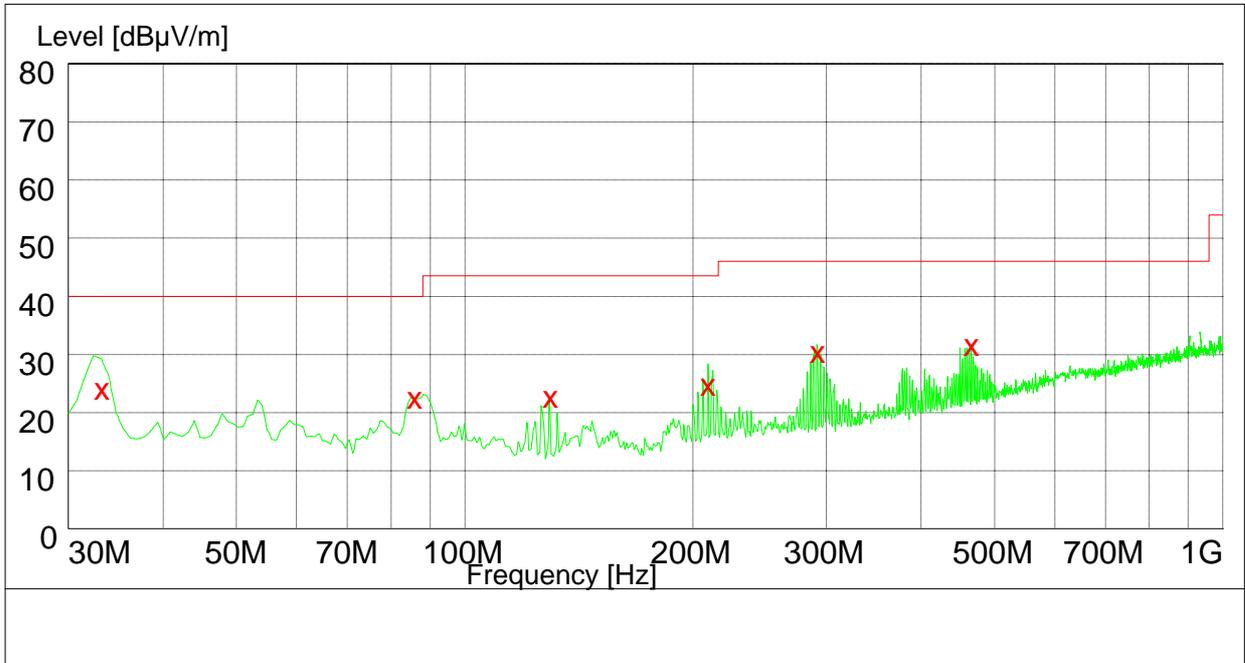


18GHz to 26GHz

Note: No peak found in pre- test.



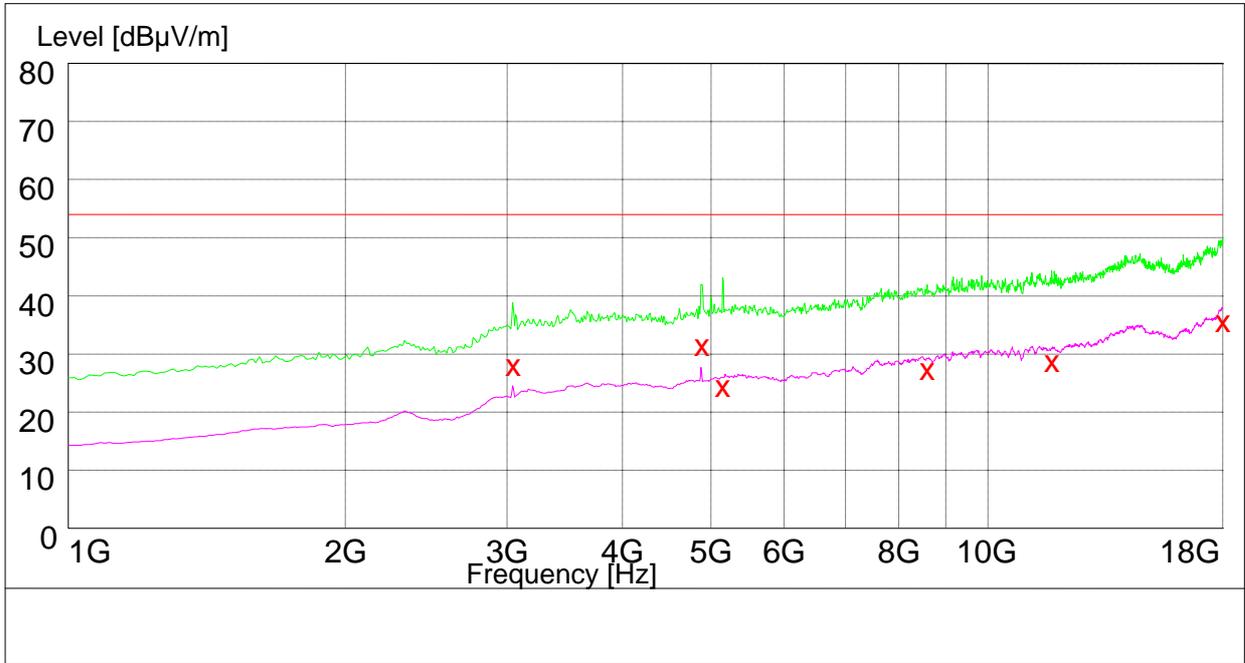
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.180000	24.30	11.7	40.0	15.7	100.0	83.00	VERTICAL
85.980000	22.40	10.5	40.0	17.6	139.0	85.00	VERTICAL
129.780000	22.50	9.3	43.5	21.0	100.0	331.00	VERTICAL
209.460000	24.60	12.5	43.5	18.9	100.0	356.00	VERTICAL
292.020000	30.30	15.3	46.0	15.7	100.0	107.00	HORIZONTAL
466.140000	31.50	19.2	46.0	14.5	109.0	317.00	VERTICAL



1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
3046.500000	29.60	-9.0	54.0	24.4	100.0	50.00	HORIZONTAL
4884.000000	33.10	-3.9	54.0	20.9	125.0	347.00	VERTICAL
5146.000000	26.00	-3.3	54.0	28.0	174.0	359.00	VERTICAL
8594.000000	29.00	3.2	54.0	25.0	124.0	241.00	HORIZONTAL
11724.500000	30.30	7.0	54.0	23.7	100.0	351.00	HORIZONTAL
17988.500000	37.20	17.2	54.0	16.8	100.0	111.00	VERTICAL

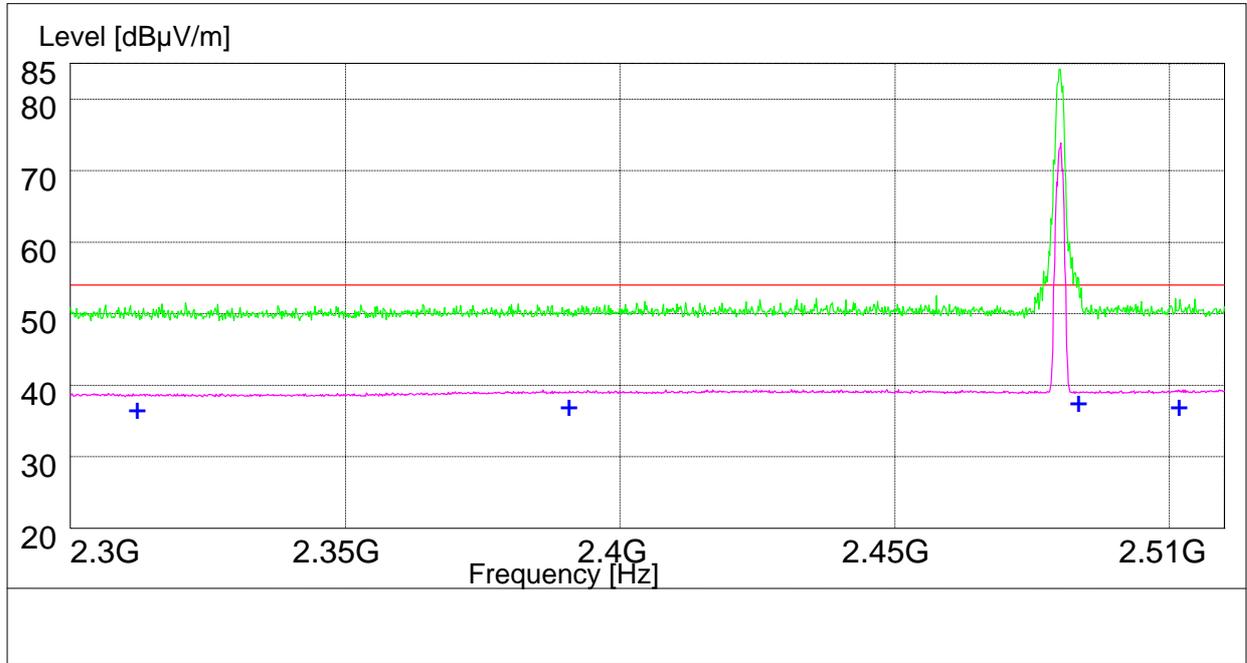


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.00	33.3	54.0	16.0	141.0	296.00	HORIZONTAL
2390.500000	38.40	33.5	54.0	15.6	152.0	351.00	VERTICAL
2483.500000	38.90	33.7	54.0	15.1	100.0	316.00	VERTICAL
2500.000000	38.40	33.8	54.0	15.6	168.0	203.00	HORIZONTAL



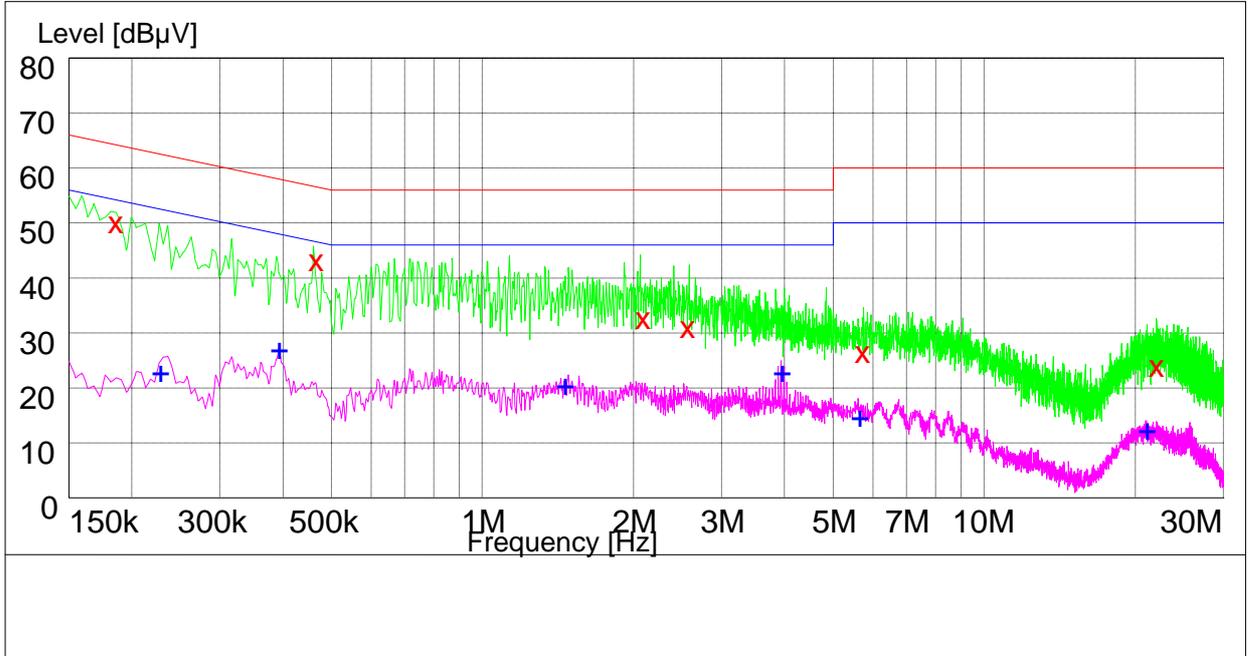
Appendix I

Conducted Emission at Power Port

According to FCC Part 15.207



Channel 40



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.180000	49.80	10.1	64	14.2	N	FLO
0.466000	42.20	10.1	57	14.8	N	FLO
2.086000	32.60	10.1	56	23.4	N	FLO
2.560000	31.00	10.1	56	25.0	N	FLO
5.818000	26.50	10.2	60	33.5	N	FLO
21.060000	24.20	10.4	60	35.8	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.228000	24.70	10.0	52	27.3	N	FLO
0.392000	27.80	10.0	48	20.2	N	FLO
1.456000	20.40	10.1	46	25.6	N	FLO
3.938000	24.60	10.2	46	21.4	N	FLO
5.632000	16.50	10.2	50	33.5	N	FLO
21.004000	12.60	10.4	50	37.4	L1	FLO