



Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)



Channel 0 (2402MHz)



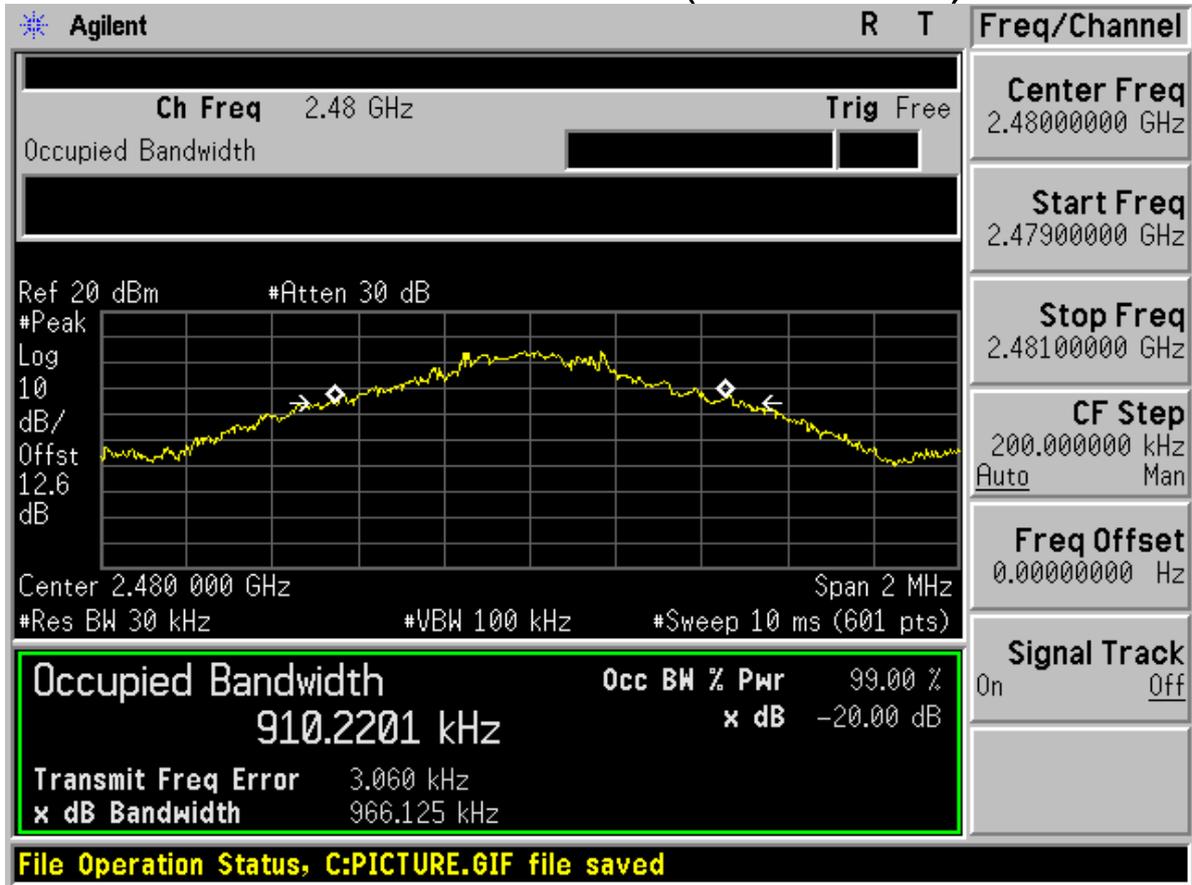


Channel 40 (2442MHz)

Agilent		R	T	Freq/Channel	
Ch Freq 2.442 GHz		Trig Free		Center Freq 2.44200000 GHz	
Occupied Bandwidth				Start Freq 2.44100000 GHz	
Ref 20 dBm #Atten 30 dB				Stop Freq 2.44300000 GHz	
				CF Step 200.000000 kHz Auto Man	
Center 2.442 000 GHz		Span 2 MHz		Freq Offset 0.00000000 Hz	
#Res BW 30 kHz		#VBW 100 kHz		Signal Track On Off	
#Sweep 10 ms (601 pts)					
Occupied Bandwidth 936.9048 kHz		Occ BW % Pwr 99.00 %			
Transmit Freq Error 1.568 kHz		x dB -20.00 dB			
x dB Bandwidth 986.688 kHz					
File Operation Status, C:PICTURE.GIF file saved					



Channel 78 (2480MHz)





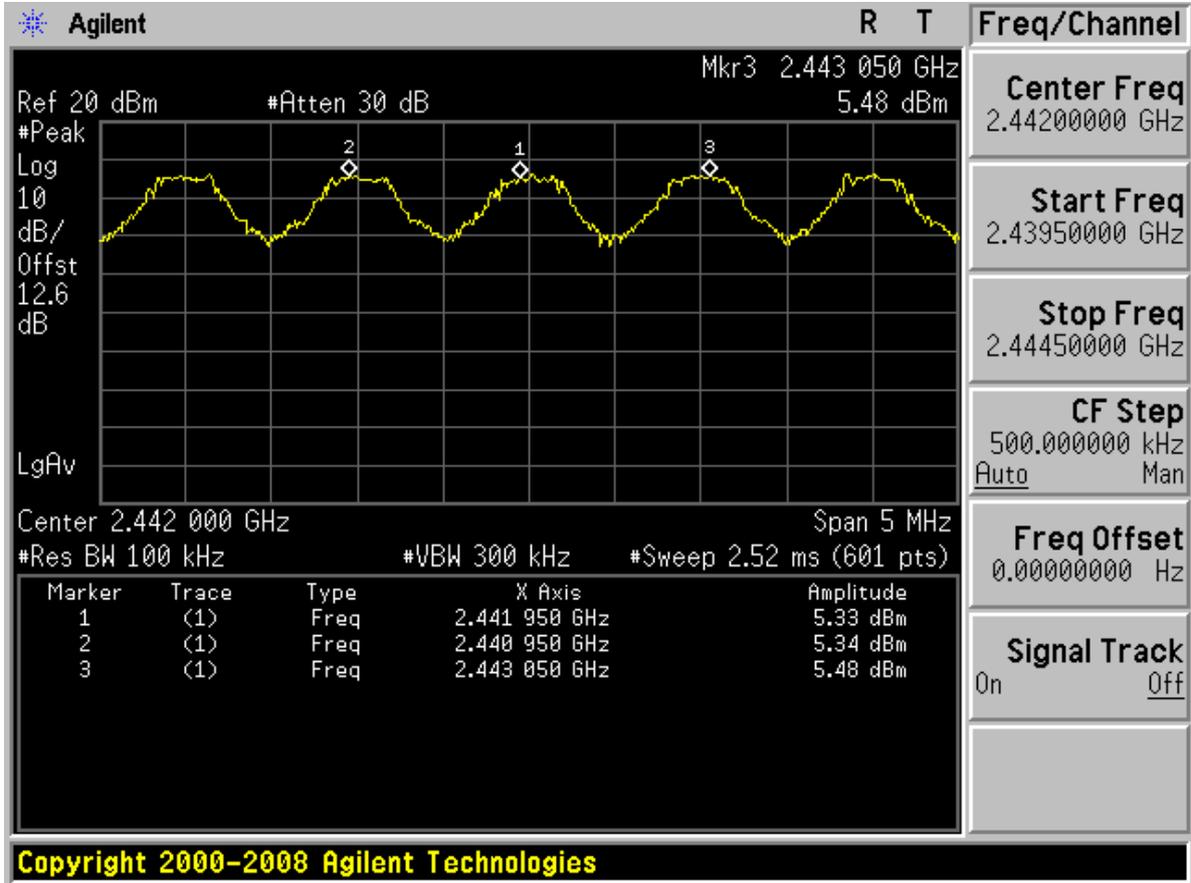
Appendix B

Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



Centred at Channel 40





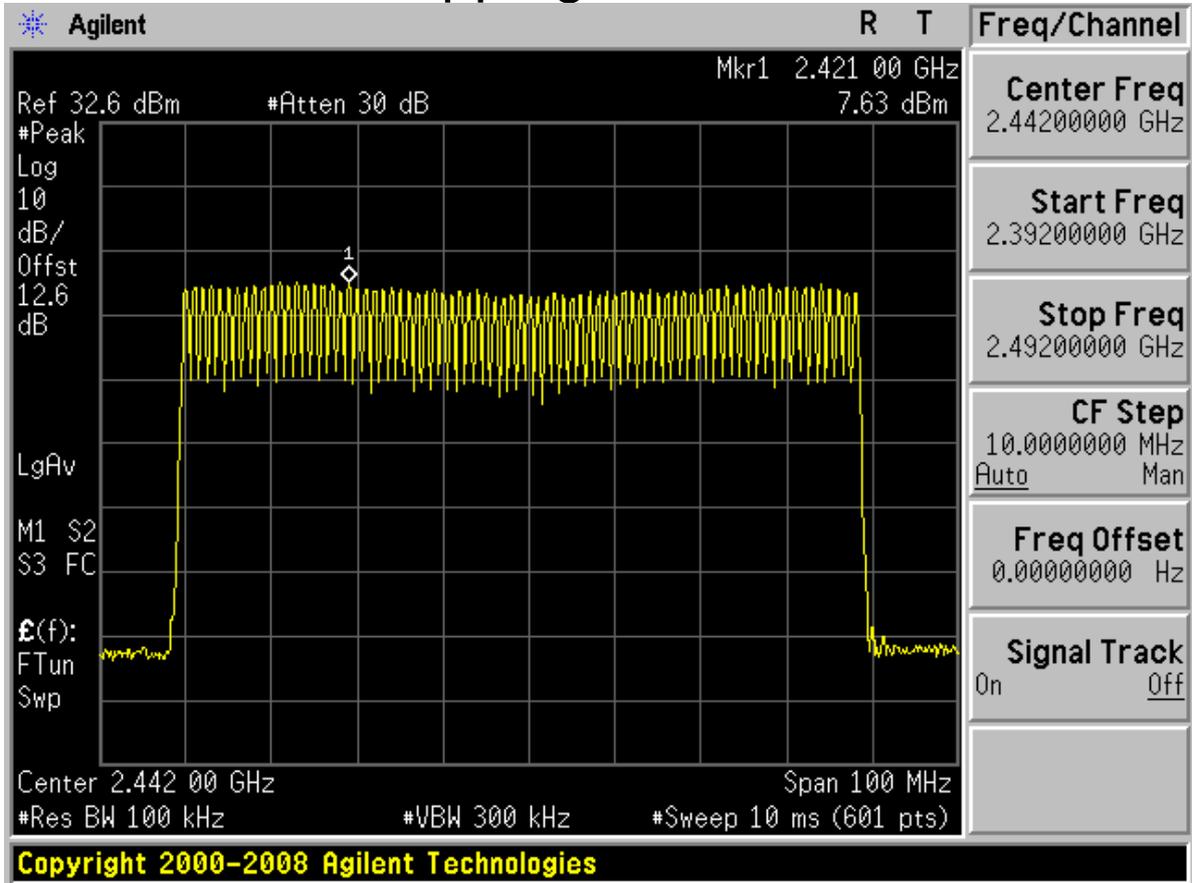
Appendix C

Number of hopping channel

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



Total hopping channels = 79





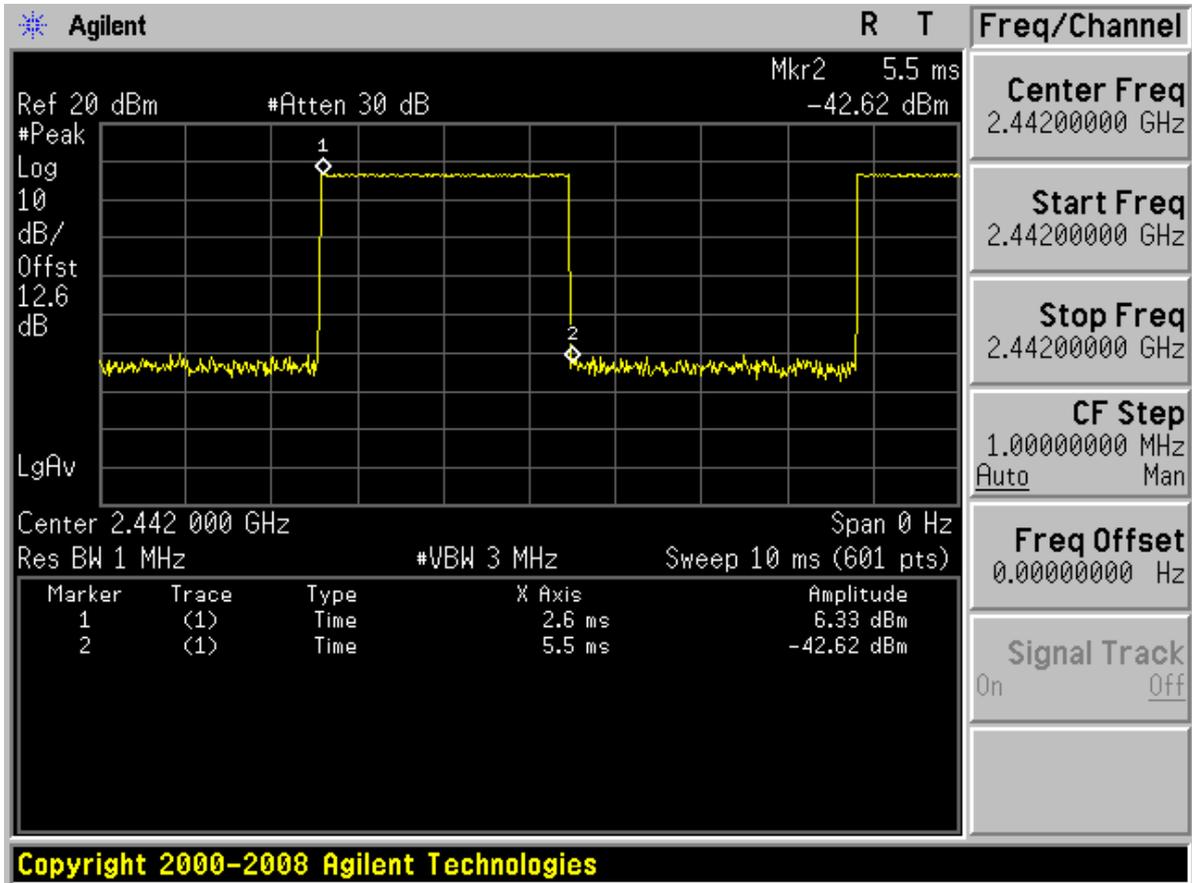
Appendix D

Time of occupancy

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

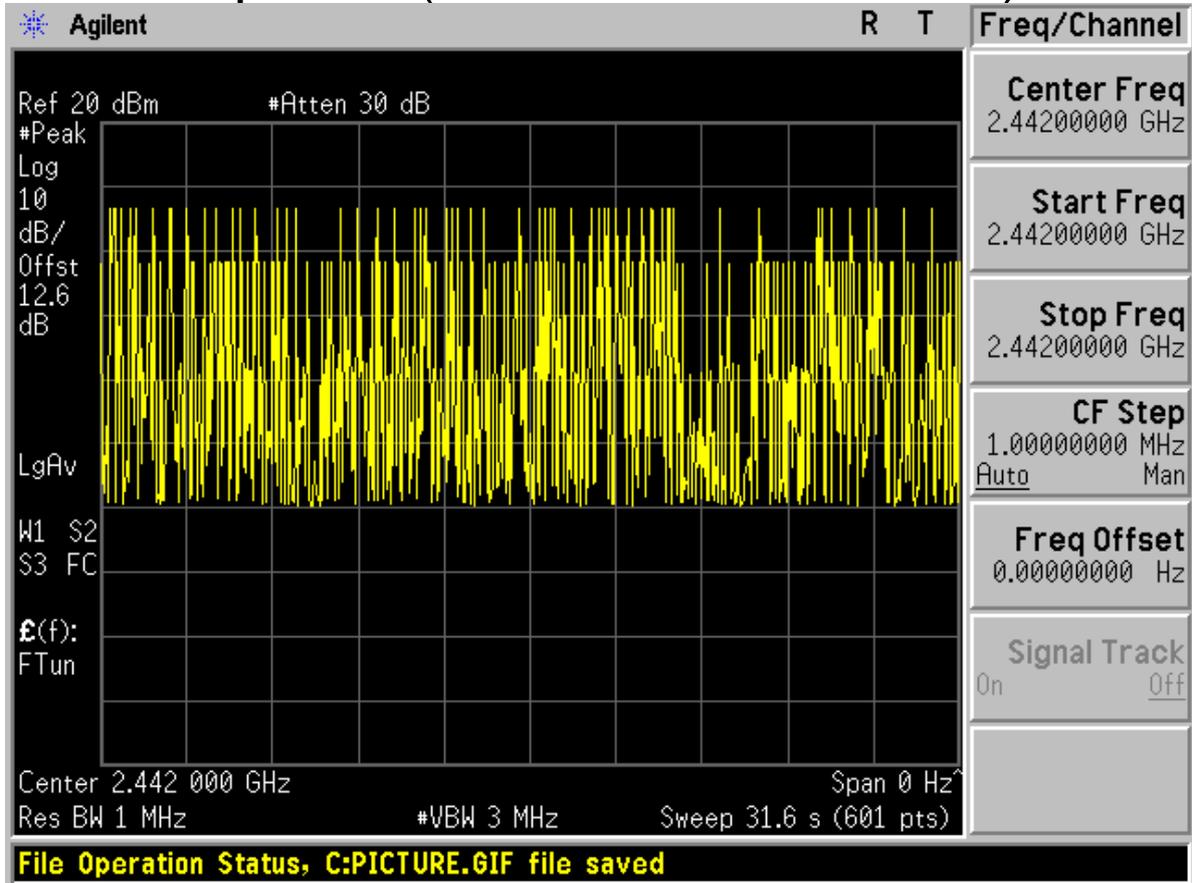


A burst (One time slot)





A period (Less than 106.7 burst)





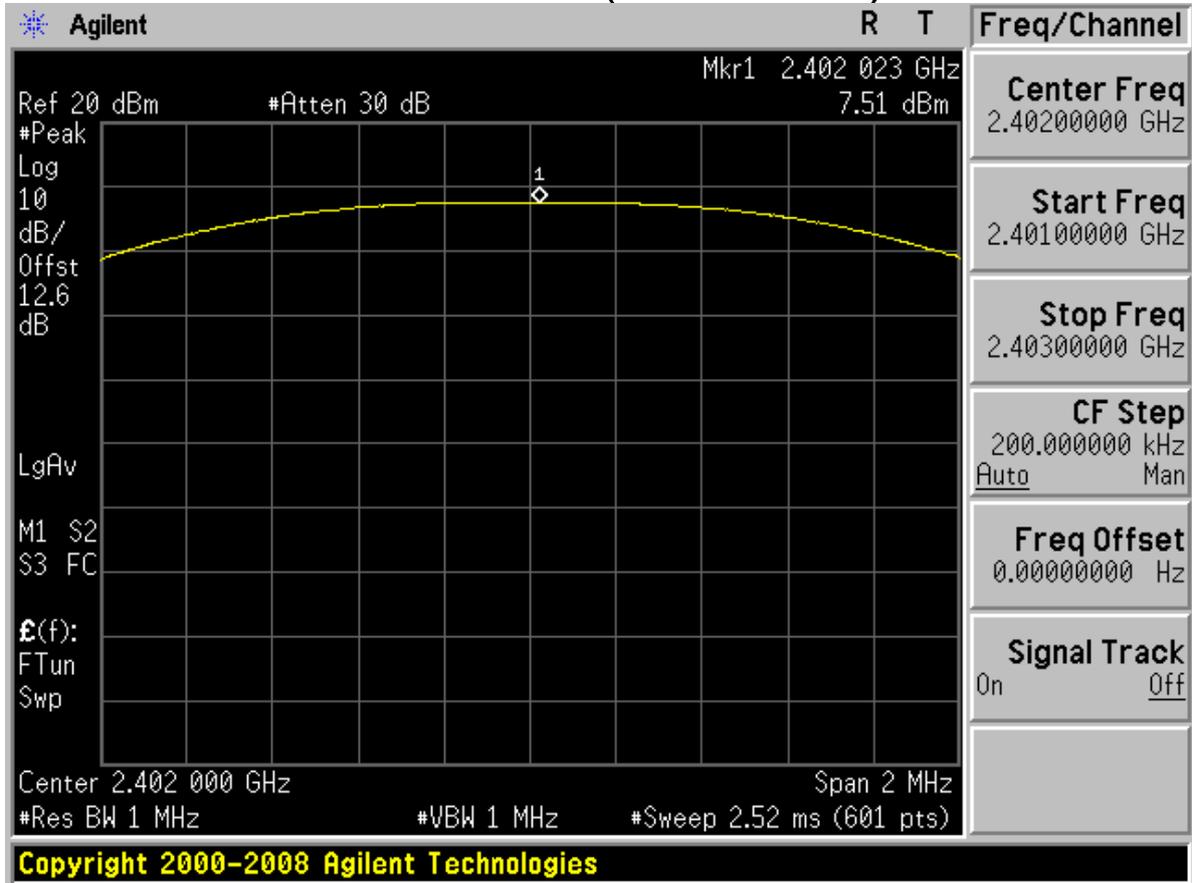
Appendix E

Peak output power

According to FCC Part 15.247 (b) (1)

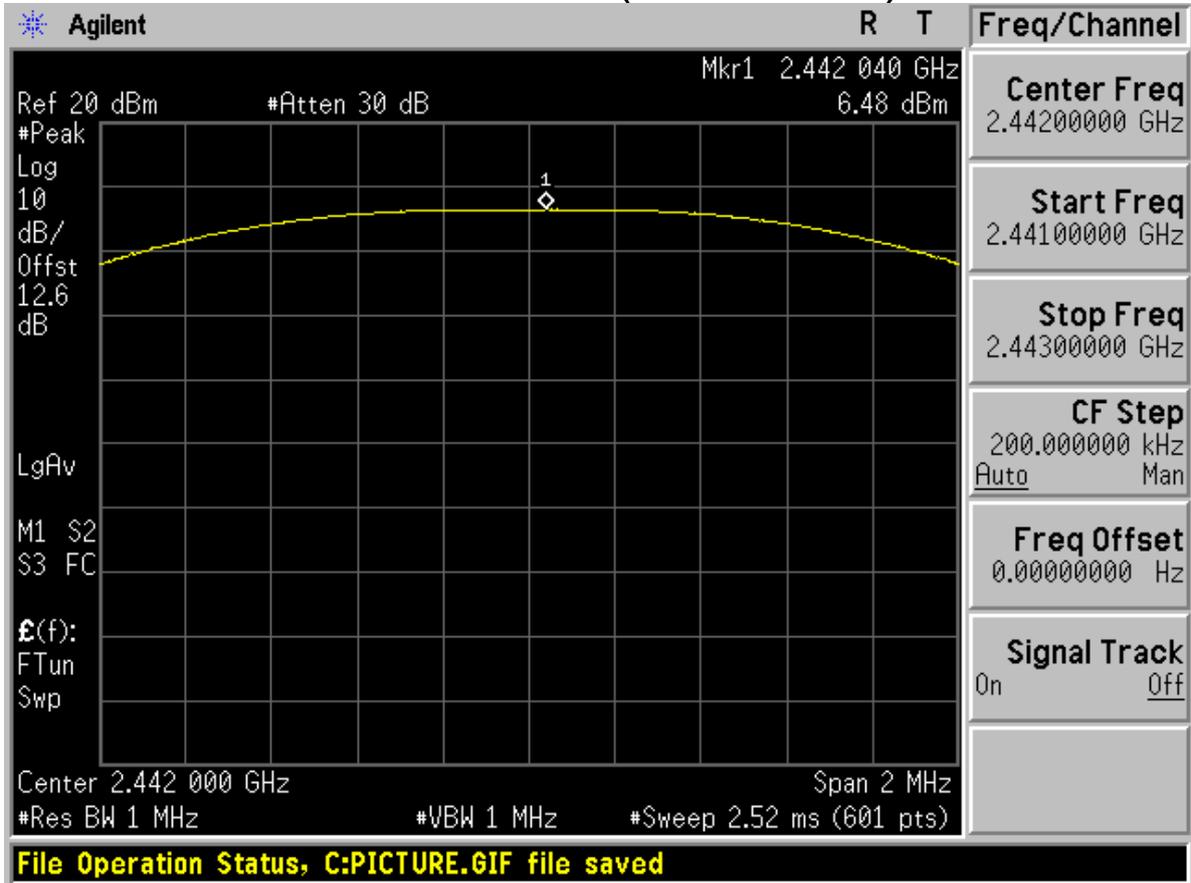


Channel 0 (2402MHz)



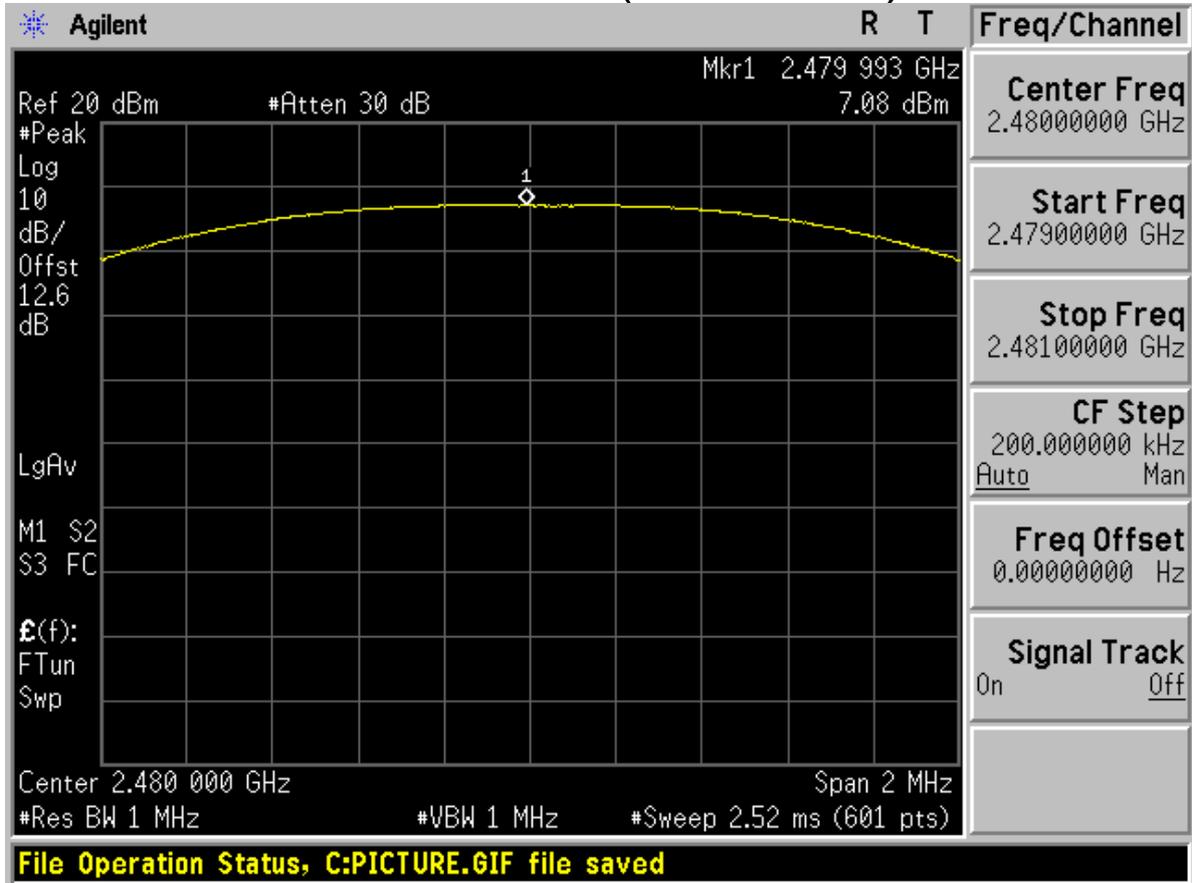


Channel 40 (2442MHz)





Channel 78 (2480MHz)





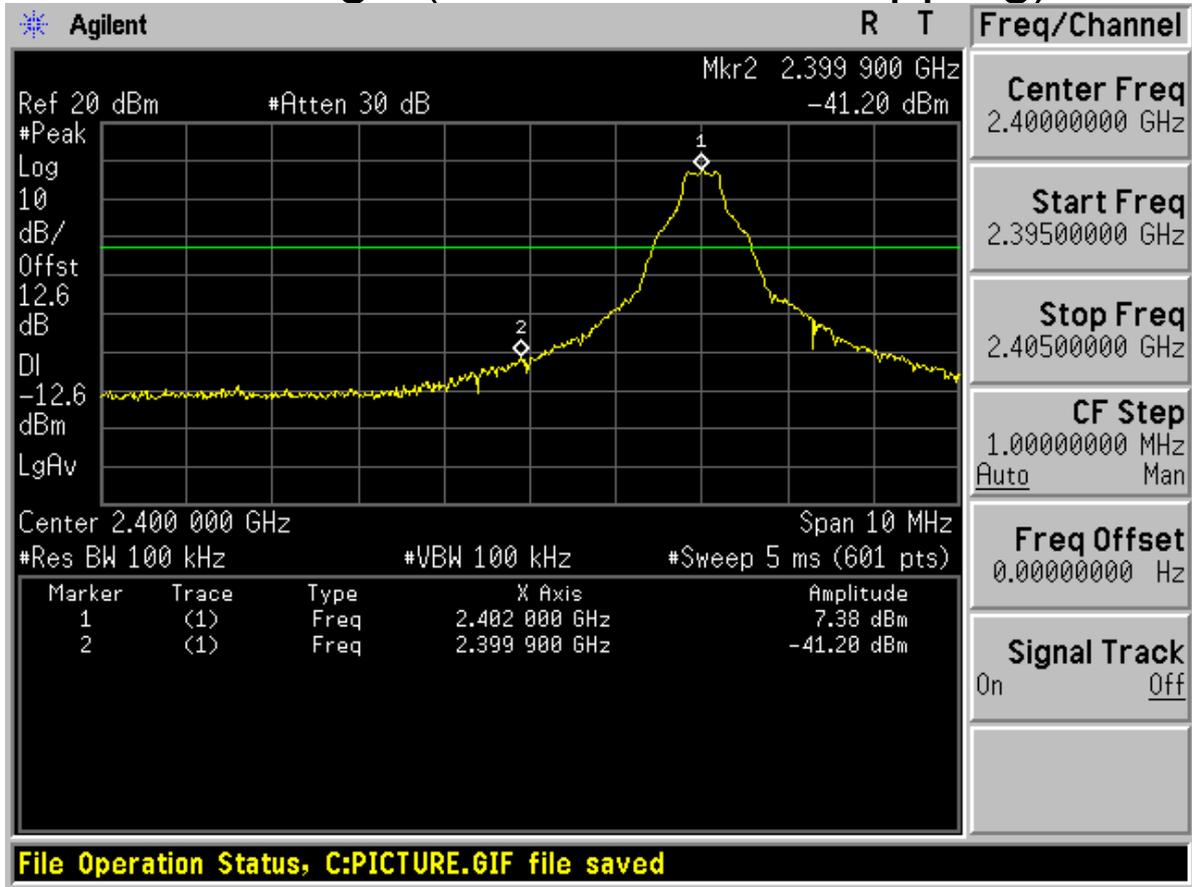
Appendix F

Band edge spurious emission

According to FCC Part 15.247 (d)

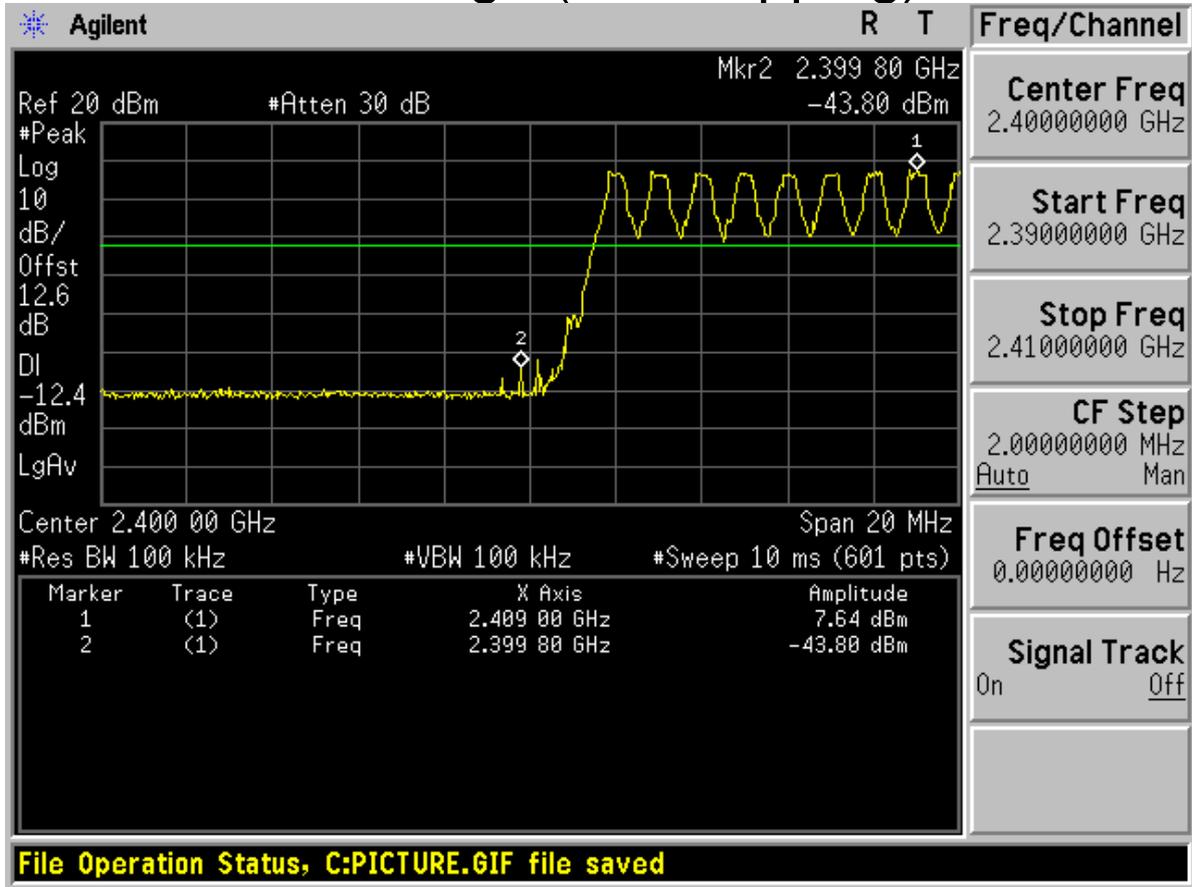


Low edge (Channel 0, no hopping)



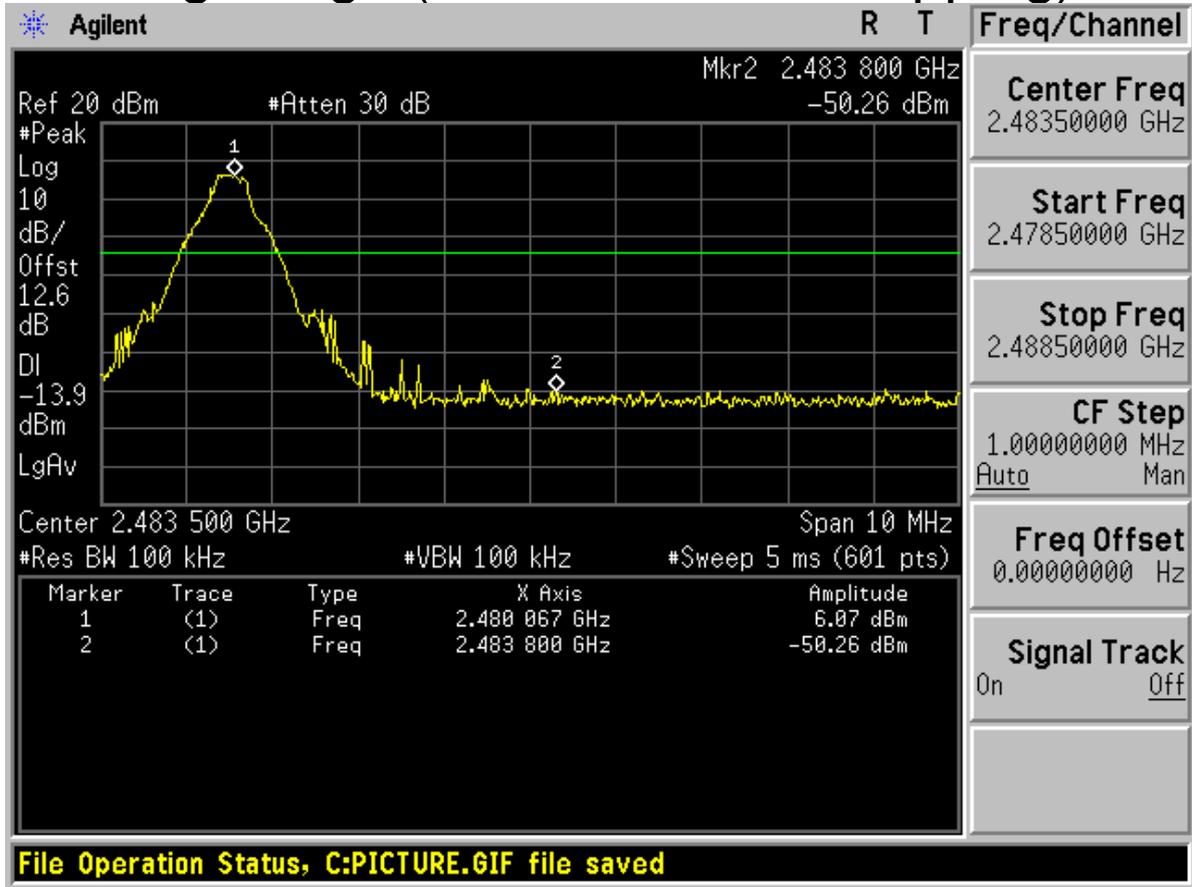


Low edge (with hopping)



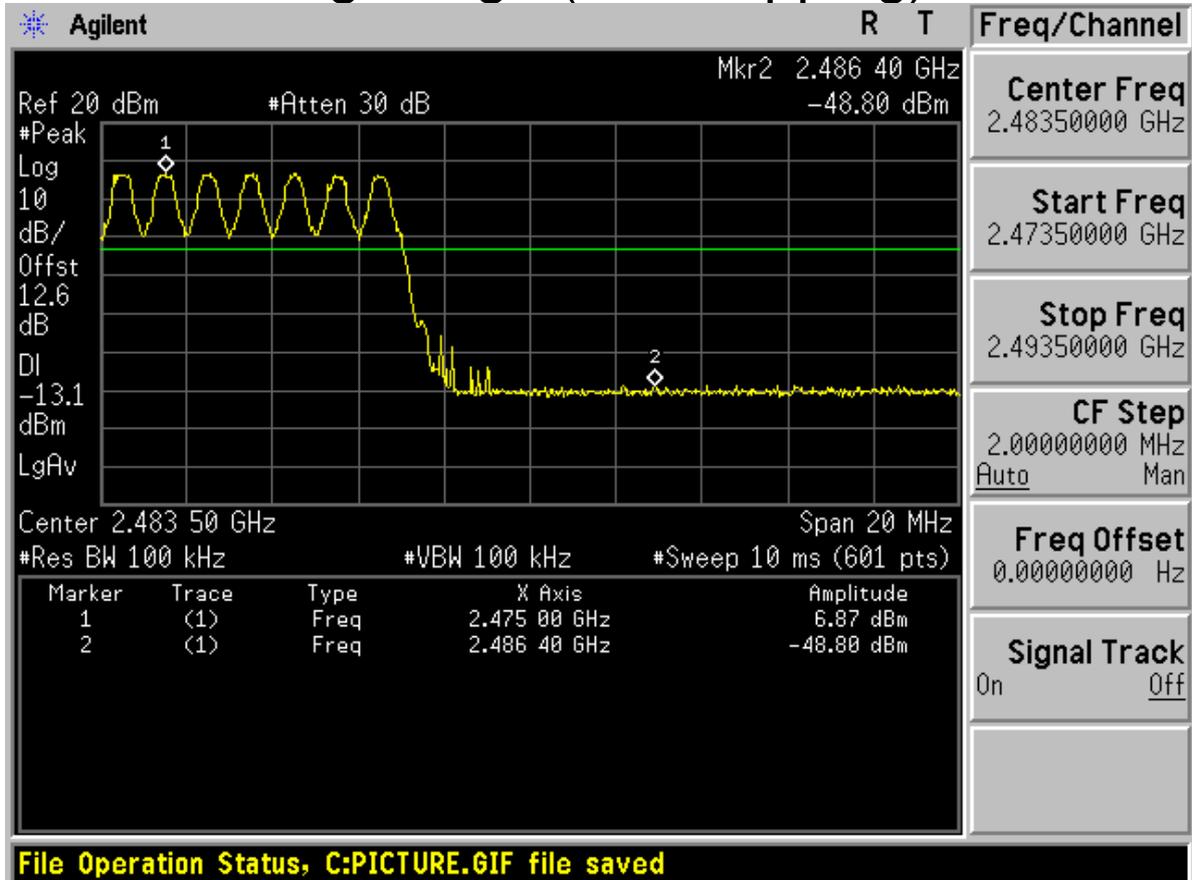


High edge (Channel 78, no hopping)





High edge (with hopping)





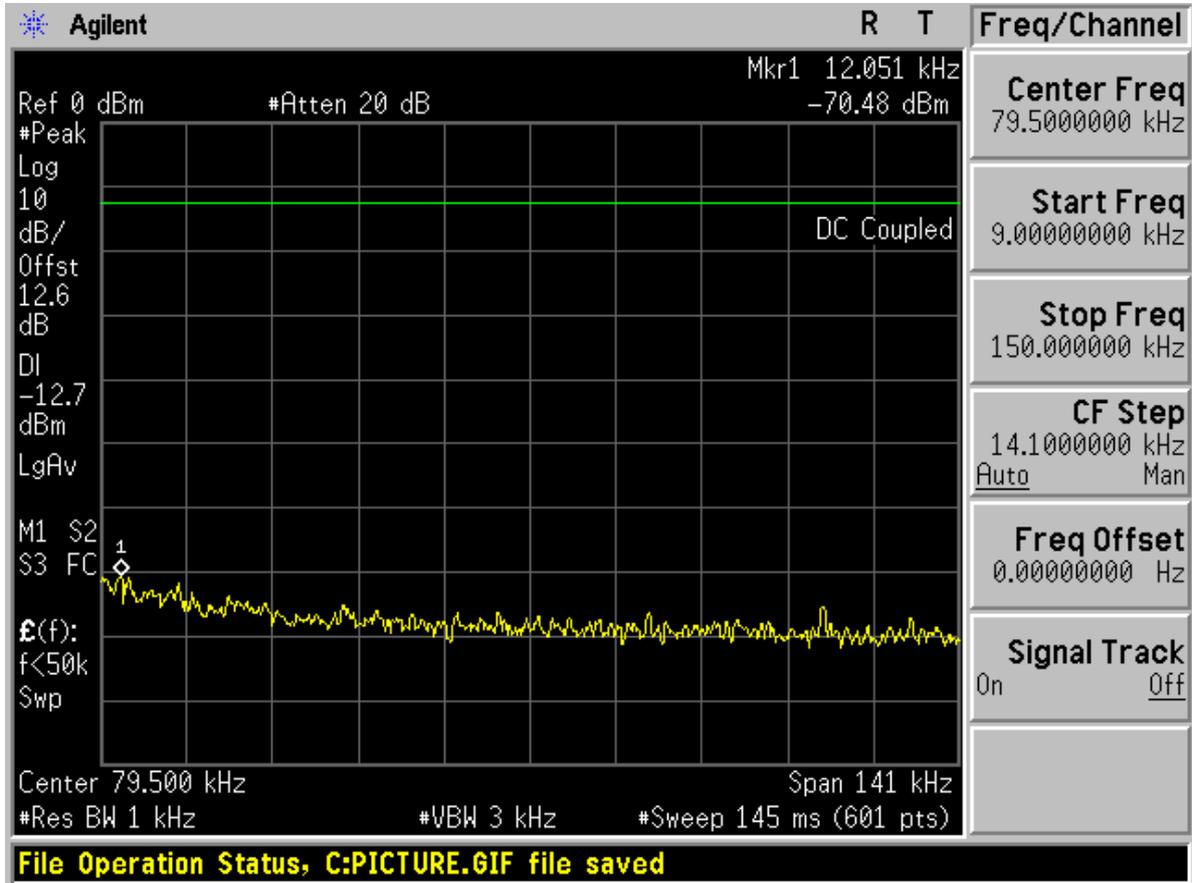
Appendix G

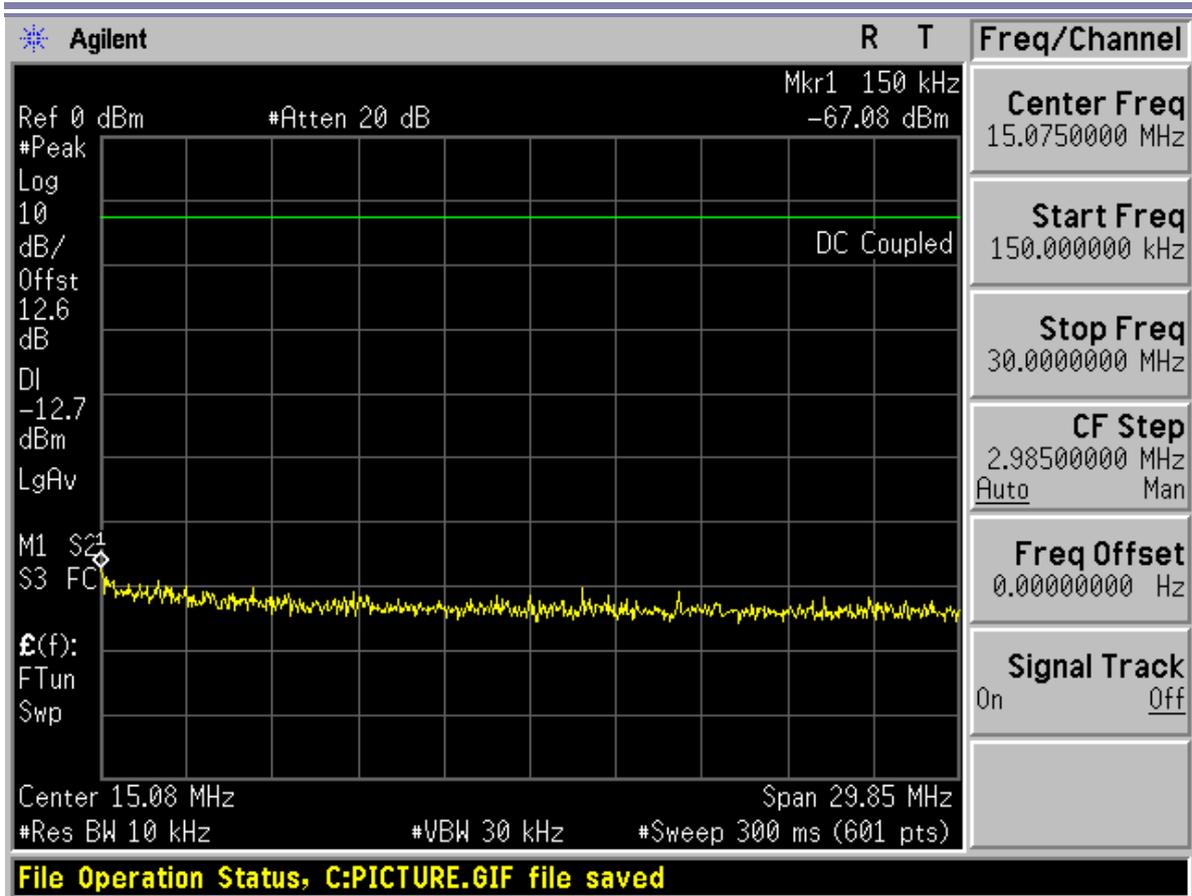
Conducted RF spurious

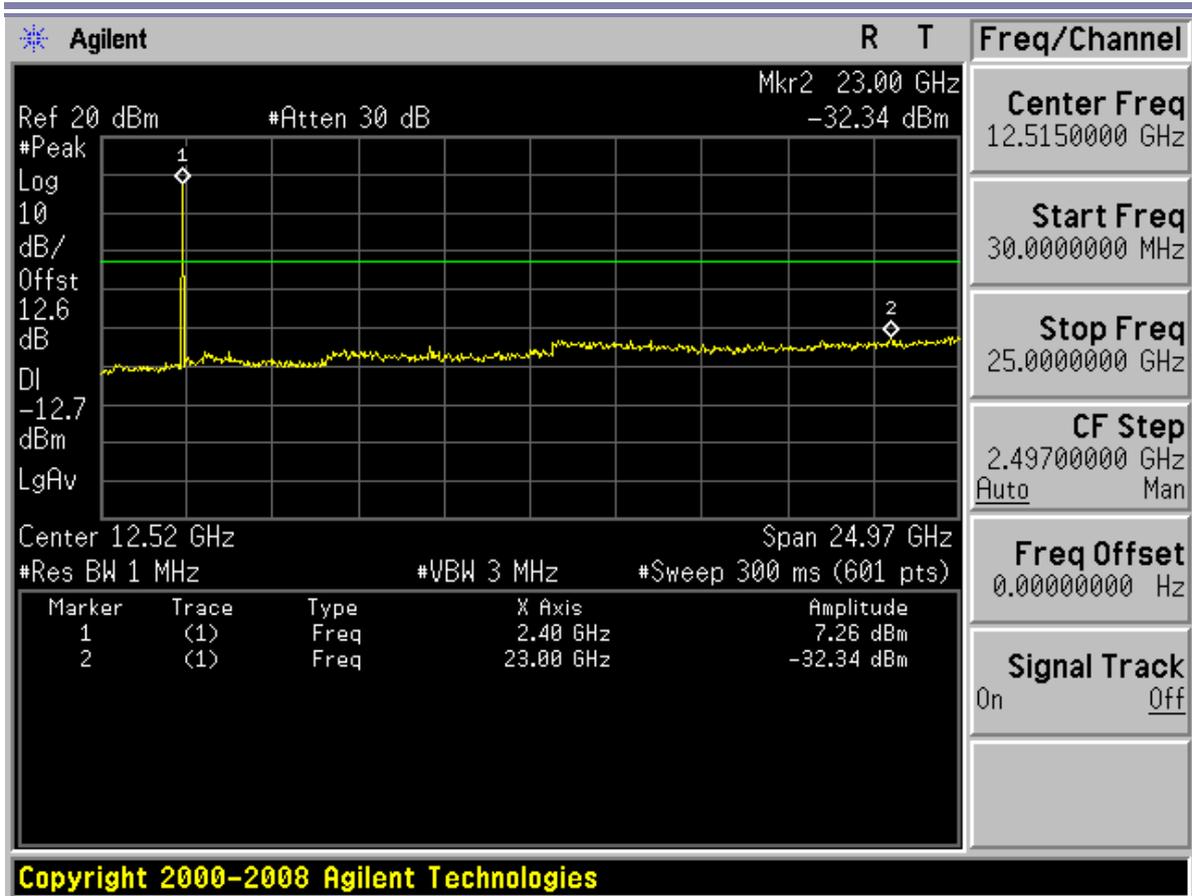
According to FCC Part 15.247 (d)



Channel 0

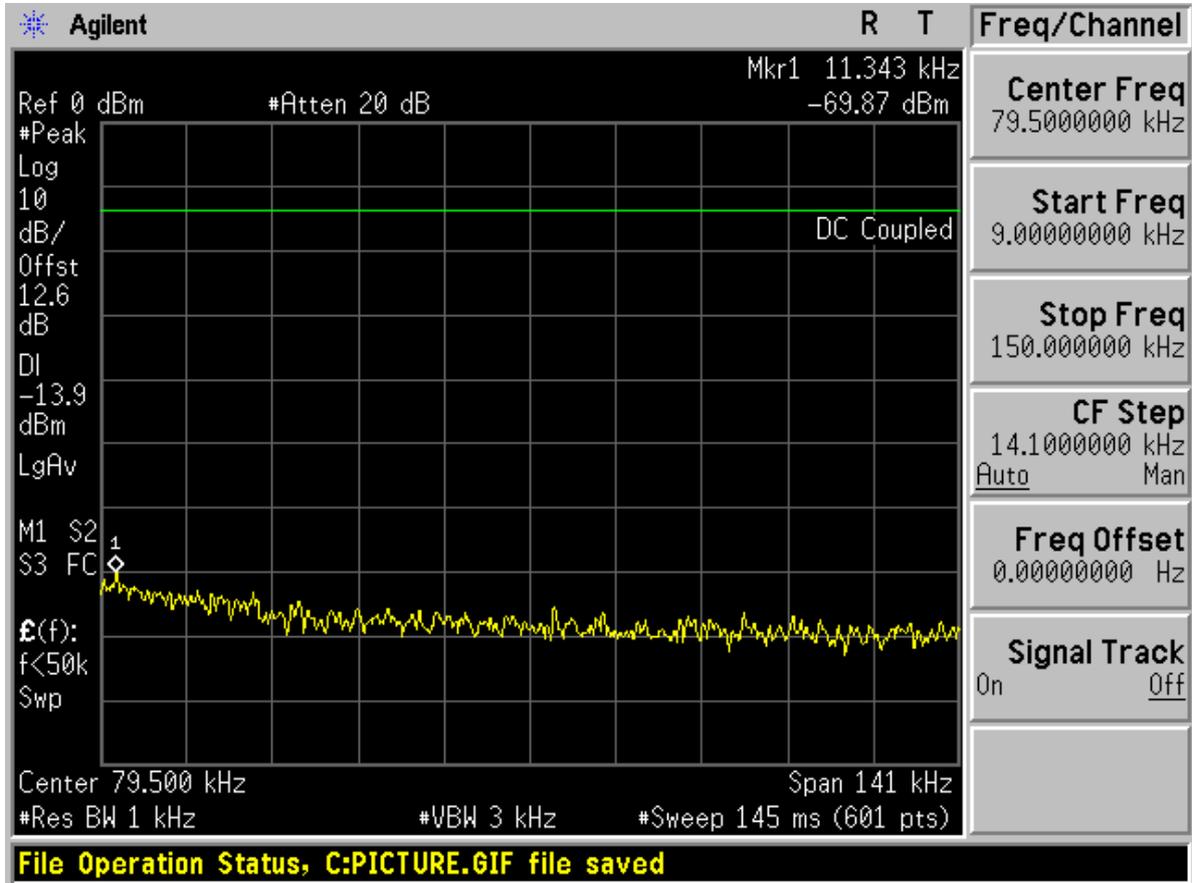


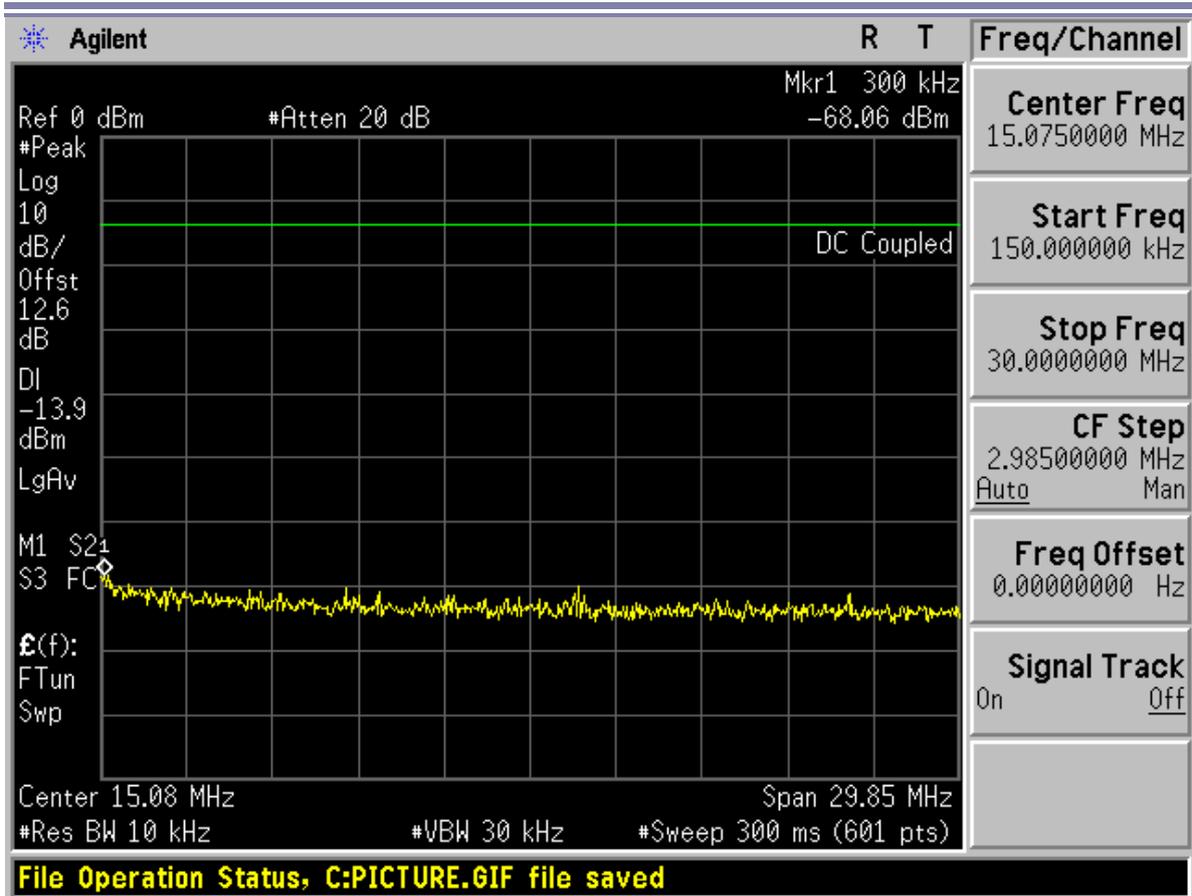


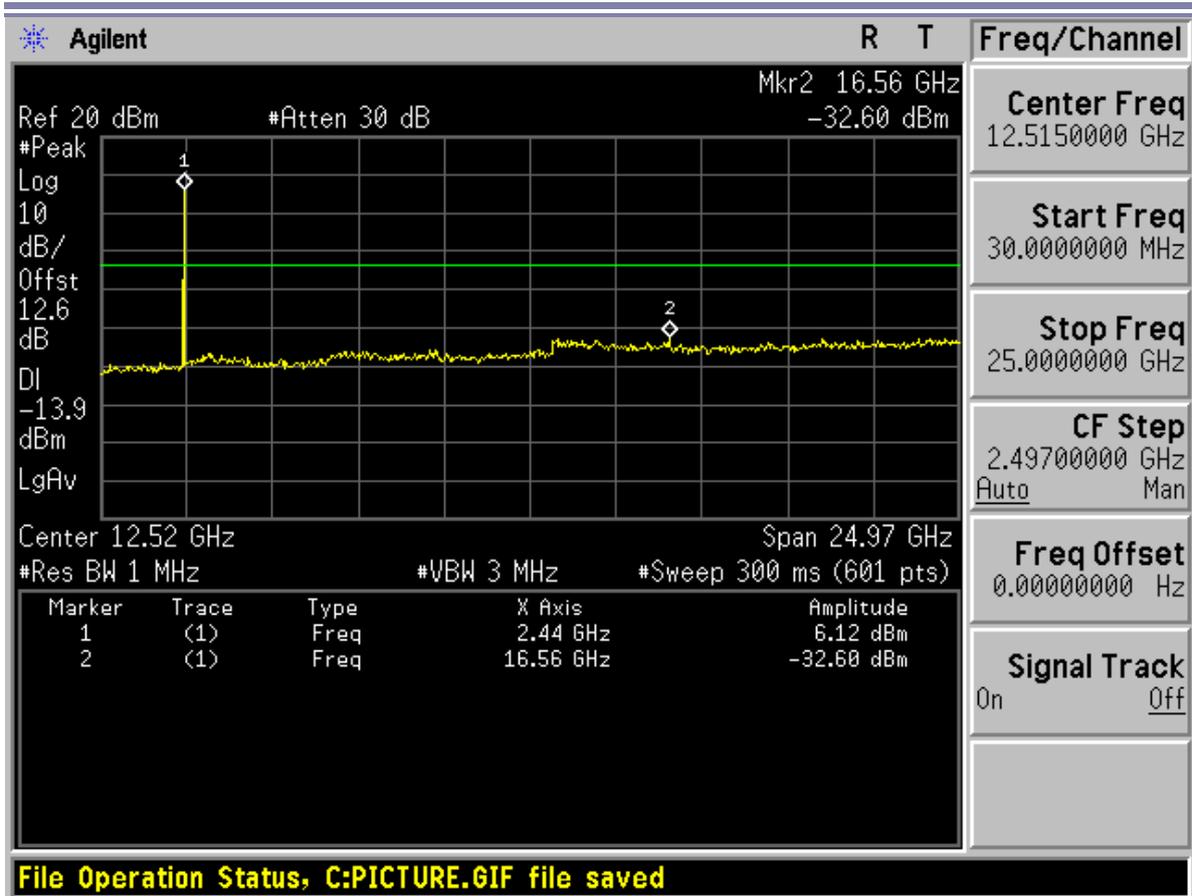




Channel 40

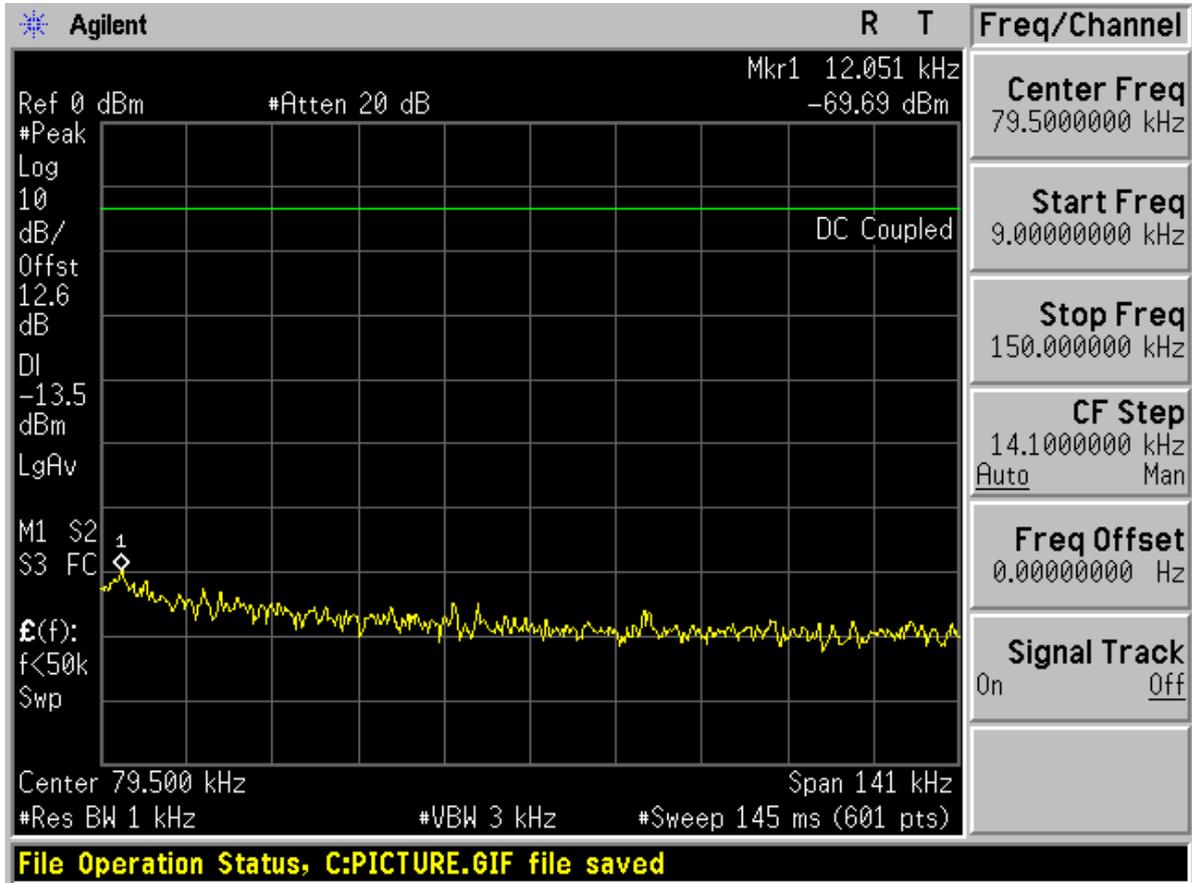


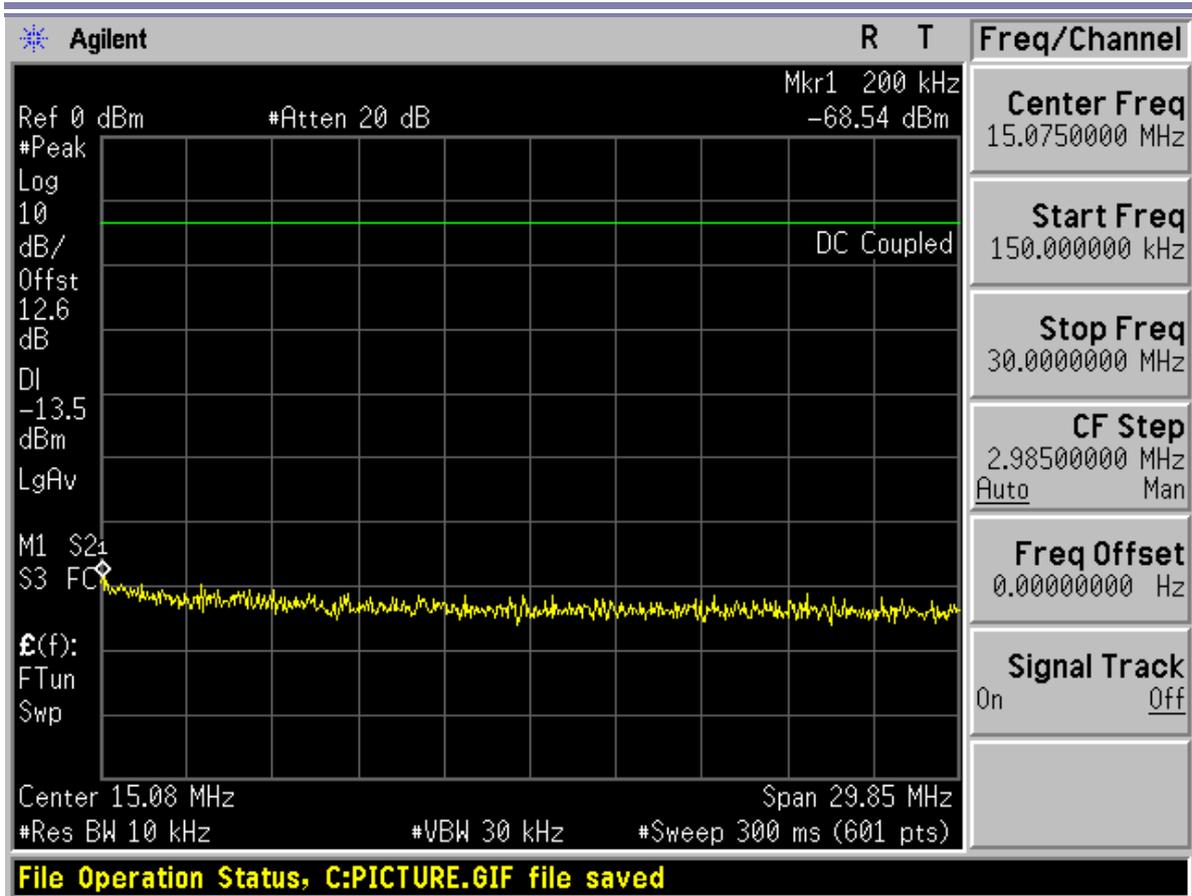


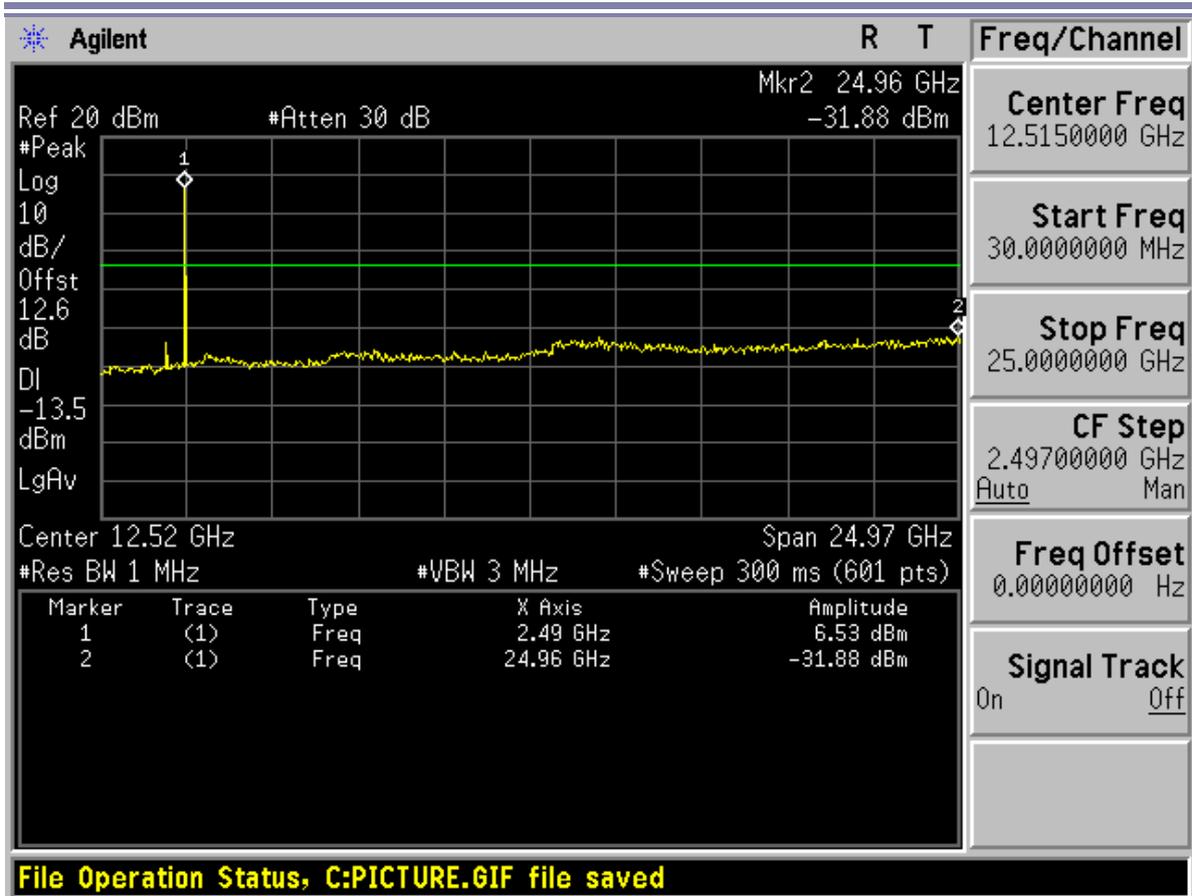




Channel 78









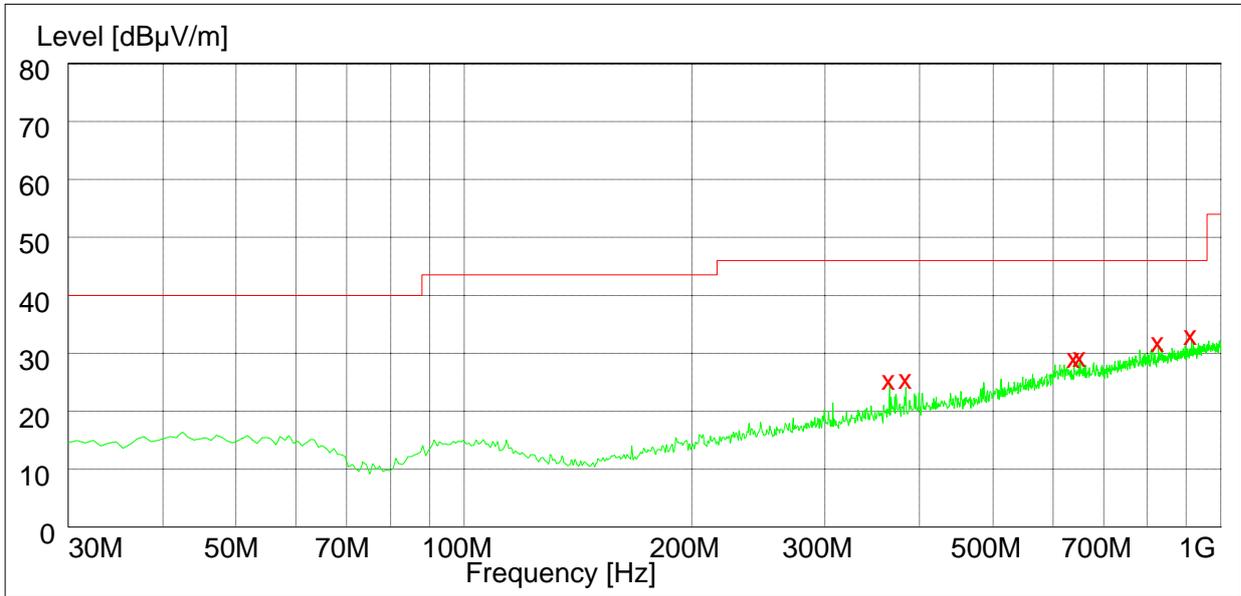
Appendix H

Radiated spurious emission

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



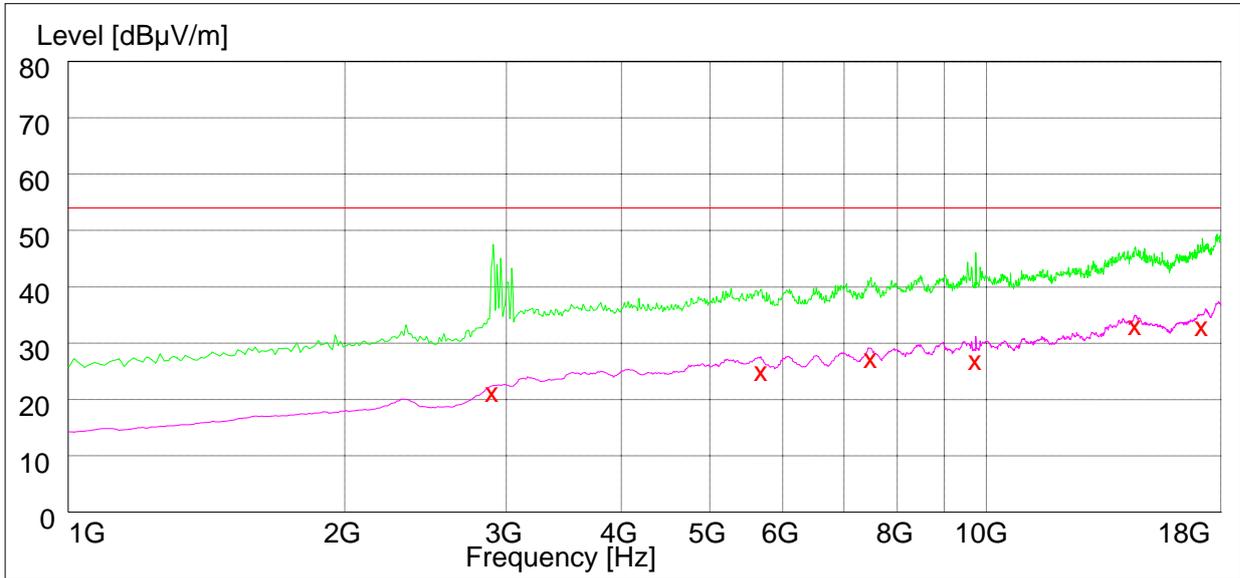
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
364.812000	26.50	17.4	46.0	19.5	101.0	64.00	HORIZONTAL
383.976000	26.70	17.7	46.0	19.3	106.0	242.00	HORIZONTAL
640.296000	30.40	22.8	46.0	15.6	200.0	144.00	VERTICAL
652.172000	30.50	22.9	46.0	15.5	145.0	159.00	VERTICAL
827.492000	33.00	25.2	46.0	13.0	151.0	41.00	HORIZONTAL
913.740000	34.20	26.3	46.0	11.8	200.0	100.00	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
2897.000000	22.50	-9.6	54.0	31.5	100.0	182.00	VERTICAL
5690.500000	26.30	-2.1	54.0	27.7	200.0	93.00	VERTICAL
7486.700000	28.50	1.4	54.0	25.5	100.0	2.00	HORIZONTAL
9740.800000	28.10	5.1	54.0	25.9	191.0	30.00	VERTICAL
14539.000000	34.40	12.3	54.0	19.6	170.0	16.00	VERTICAL
17178.500000	34.30	13.6	54.0	19.7	113.0	96.00	HORIZONTAL

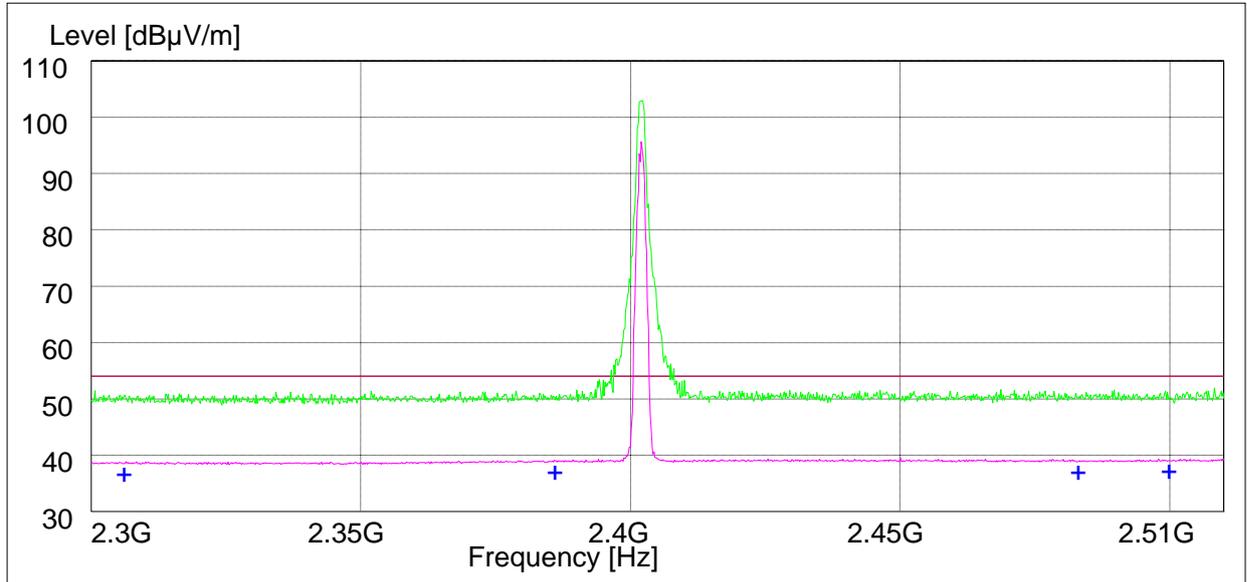


18GHz to 26GHz

Note: No peak found in pre- test.



2.30GHz to 2.51GHz

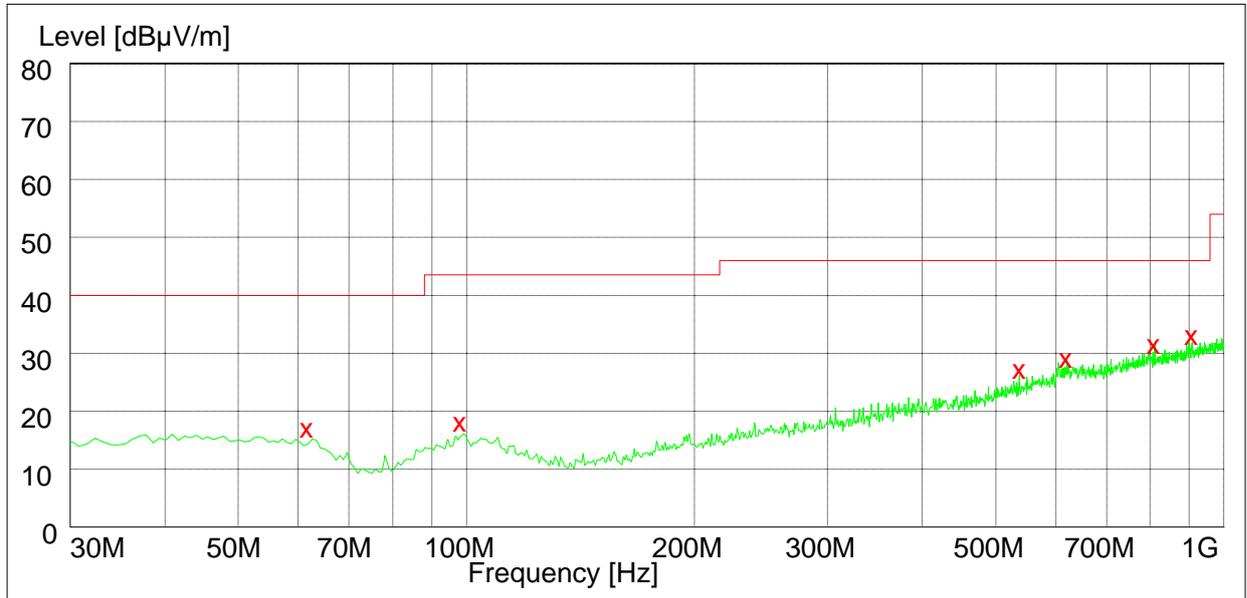


Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.10	33.3	54.0	15.9	188.0	56.00	VERTICAL
2390.000000	38.40	33.5	54.0	15.6	100.0	119.00	VERTICAL
2483.500000	38.40	33.7	54.0	15.6	171.0	193.00	HORIZONTAL
2500.000000	38.50	33.8	54.0	15.5	179.0	209.00	VERTICAL



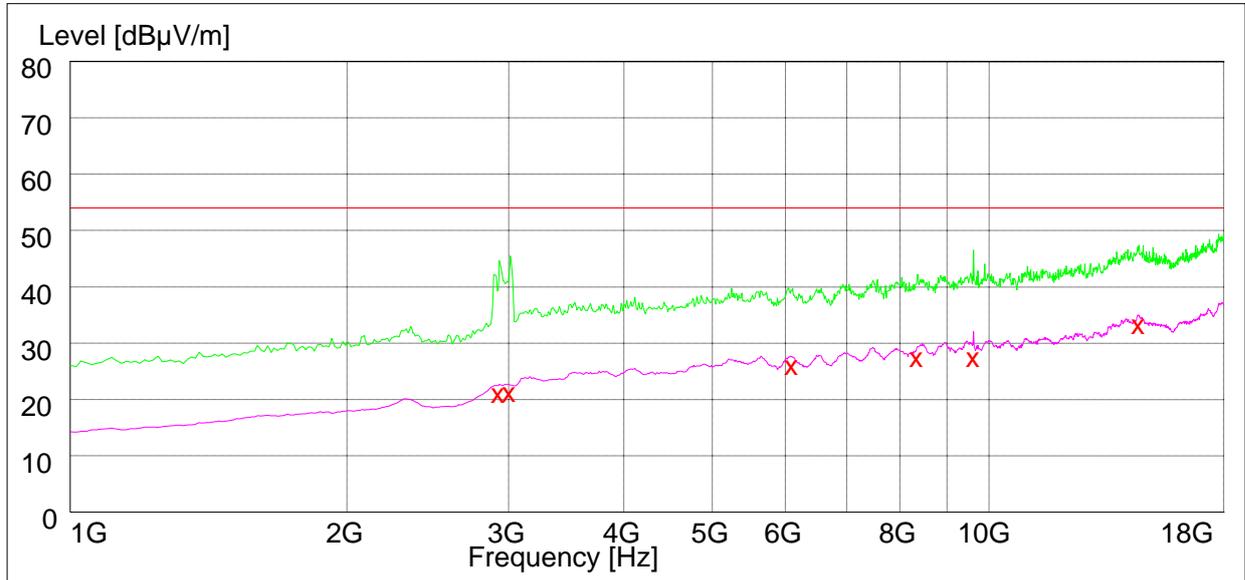
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
61.692000	18.20	11.7	40.0	21.8	100.0	85.00	VERTICAL
98.164000	19.30	13.0	43.5	24.2	174.0	11.00	VERTICAL
538.344000	28.40	21.1	46.0	17.6	104.0	214.00	HORIZONTAL
620.532000	30.40	22.7	46.0	15.6	112.0	146.00	VERTICAL
810.592000	32.70	25.0	46.0	13.3	190.0	98.00	HORIZONTAL
908.368000	34.20	26.2	46.0	11.8	145.0	115.00	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
2925.200000	22.40	-9.5	54.0	31.6	101.0	2.00	HORIZONTAL
3008.300000	22.50	-9.2	54.0	31.5	101.0	17.00	HORIZONTAL
6108.100000	27.30	-1.4	54.0	26.7	100.0	161.00	HORIZONTAL
8356.600000	28.70	2.9	54.0	25.3	163.0	0.00	HORIZONTAL
9623.400000	28.70	5.1	54.0	25.3	101.0	86.00	VERTICAL
14547.600000	34.50	12.3	54.0	19.5	157.0	81.00	HORIZONTAL

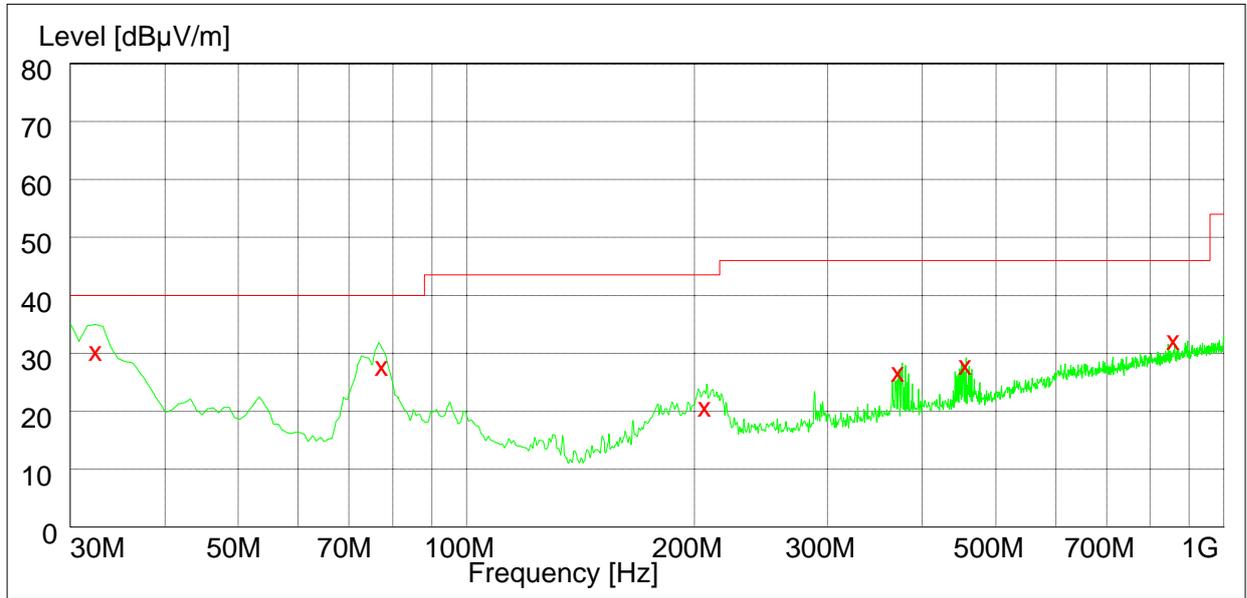


18GHz to 26GHz

Note: No peak found in pre- test.



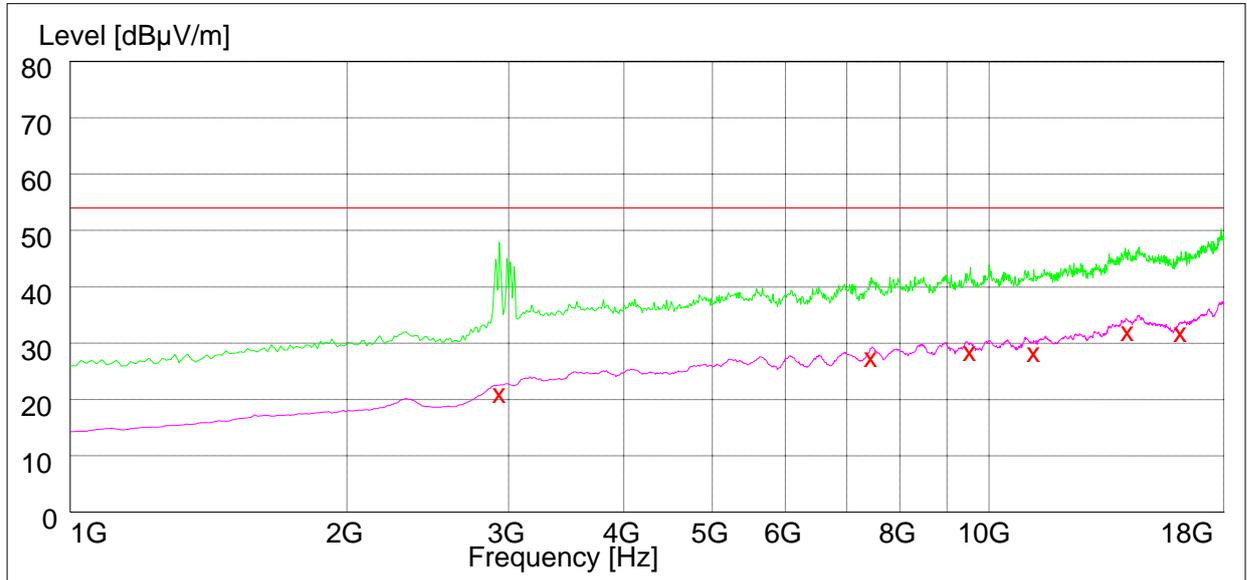
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
32.444000	31.50	11.7	40.0	8.5	100.0	75.00	VERTICAL
77.460000	29.00	8.0	40.0	11.0	134.0	0.00	VERTICAL
206.804000	21.80	12.4	43.5	21.7	105.0	352.00	VERTICAL
372.456000	27.80	17.5	46.0	18.2	100.0	166.00	HORIZONTAL
456.980000	29.10	19.0	46.0	16.9	100.0	203.00	HORIZONTAL
860.556000	33.30	25.7	46.0	12.7	197.0	170.00	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
2933.700000	22.40	-9.4	54.0	31.6	100.0	186.00	VERTICAL
7445.400000	28.80	1.2	54.0	25.2	197.0	358.00	HORIZONTAL
9545.300000	29.80	5.0	54.0	24.2	100.0	359.00	HORIZONTAL
11190.900000	29.60	7.0	54.0	24.4	200.0	340.00	HORIZONTAL
14171.800000	33.40	11.4	54.0	20.6	100.0	169.00	VERTICAL
16183.100000	33.20	11.1	54.0	20.8	124.0	93.00	VERTICAL

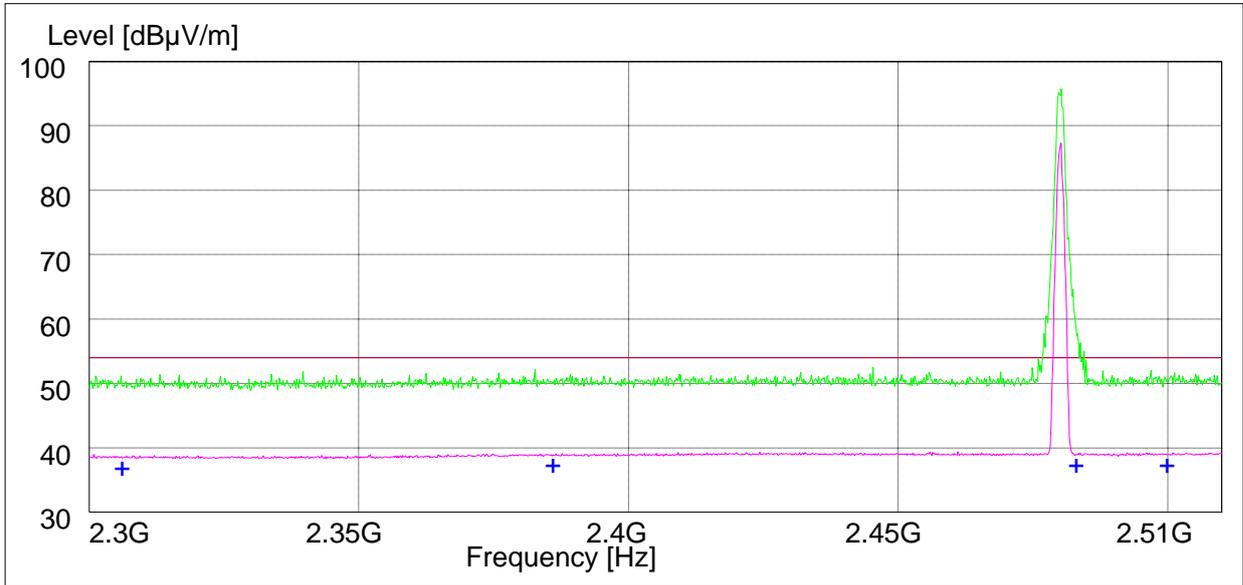


18GHz to 26GHz

Note: No peak found in pre- test.



2.30GHz to 2.51GHz



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	38.10	33.3	54.0	15.9	171.0	293.00	VERTICAL
2390.000000	38.50	33.5	54.0	15.5	161.0	99.00	VERTICAL
2483.500000	38.50	33.7	54.0	15.5	125.0	211.00	VERTICAL
2500.000000	38.50	33.8	54.0	15.5	101.0	219.00	HORIZONTAL



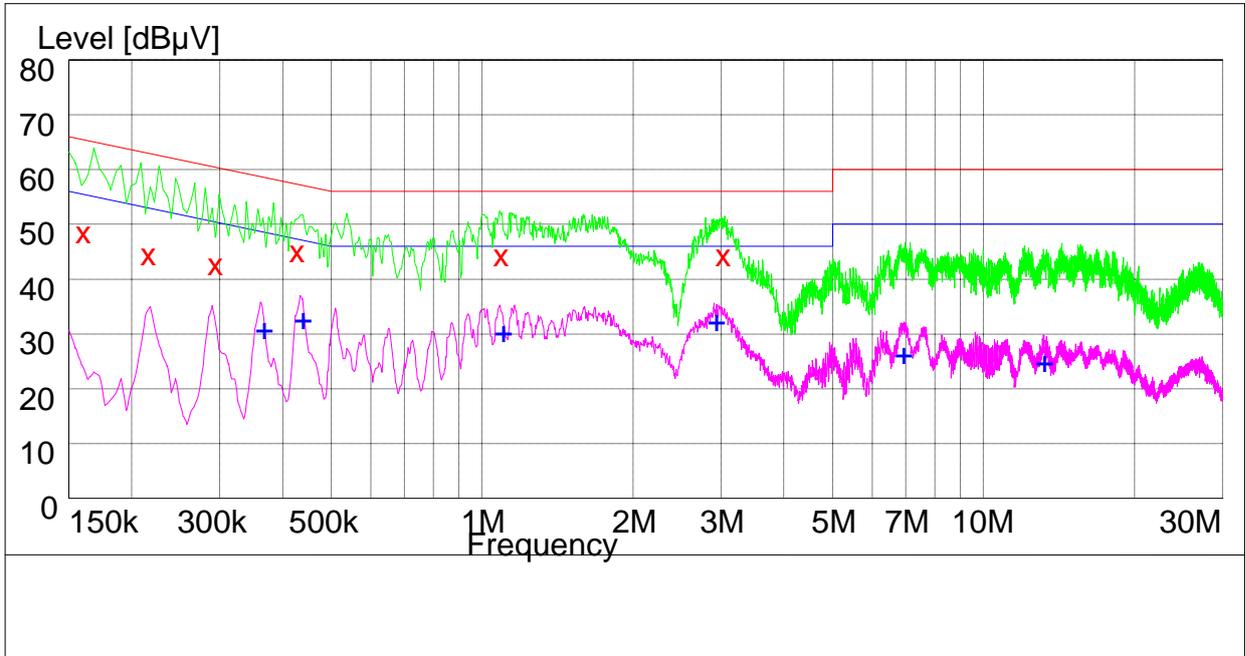
Appendix I

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
0.160000	50.30	10.1	66	15.7	N	FLO
0.216000	46.20	10.0	63	16.8	N	FLO
0.294000	44.50	10.0	60	15.5	N	FLO
0.428000	46.80	10.0	57	10.2	N	FLO
1.090000	46.00	10.1	56	10.0	N	FLO
3.020000	46.00	10.2	56	10.0	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.366000	32.60	10.0	49	16.4	N	FLO
0.438000	34.40	10.1	47	12.6	N	FLO
1.098000	32.00	10.1	46	14.0	N	FLO
2.920000	34.10	10.2	46	11.9	N	FLO
6.902000	28.00	10.2	50	22.0	N	FLO
13.160000	26.60	10.3	50	23.4	N	FLO