



Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)



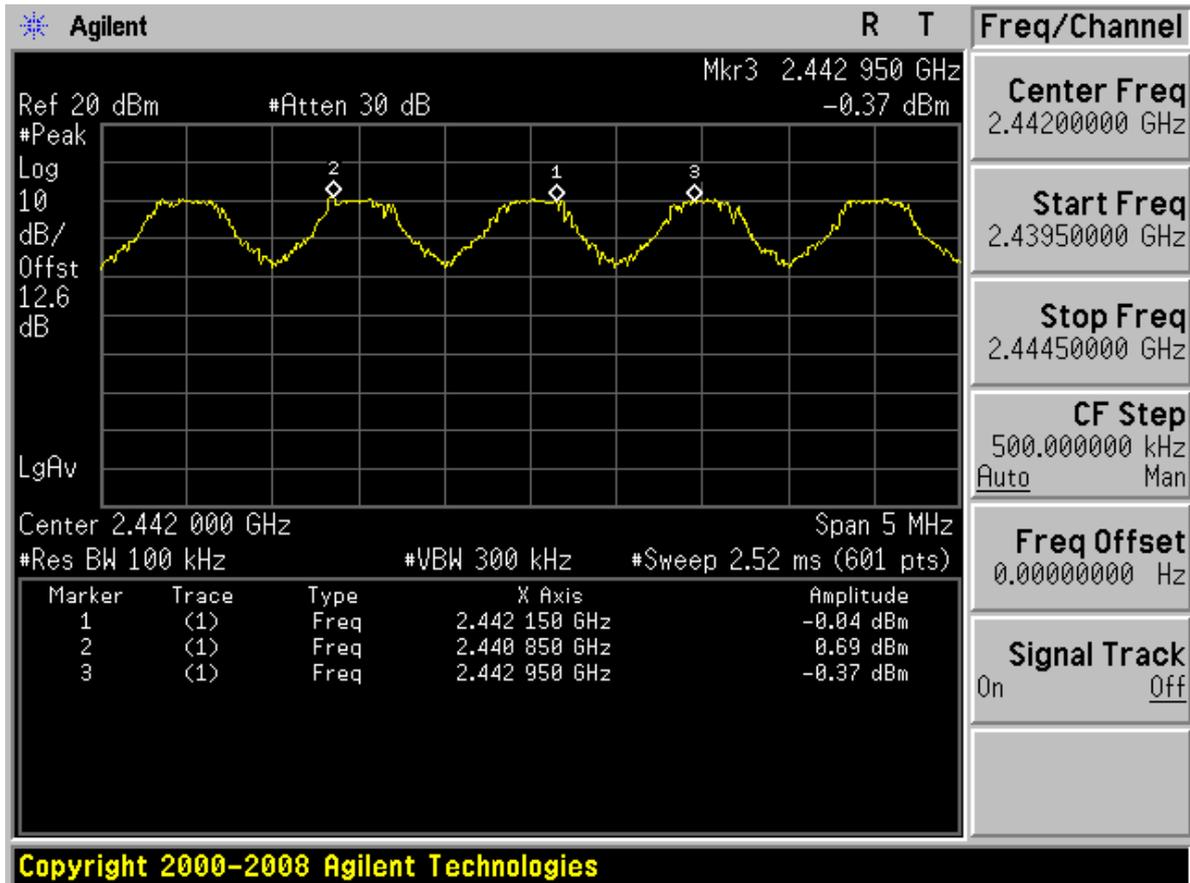
Appendix B

Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)

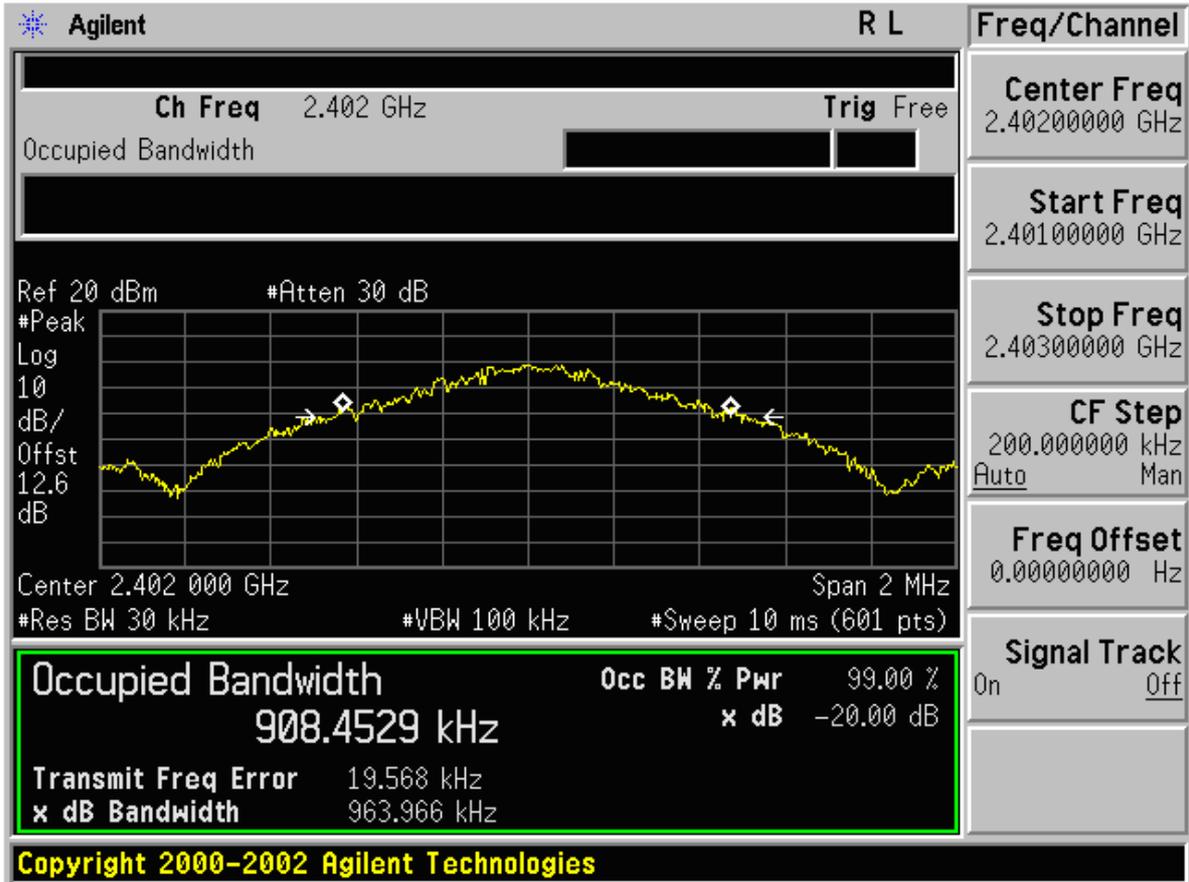


Centred at Channel 40



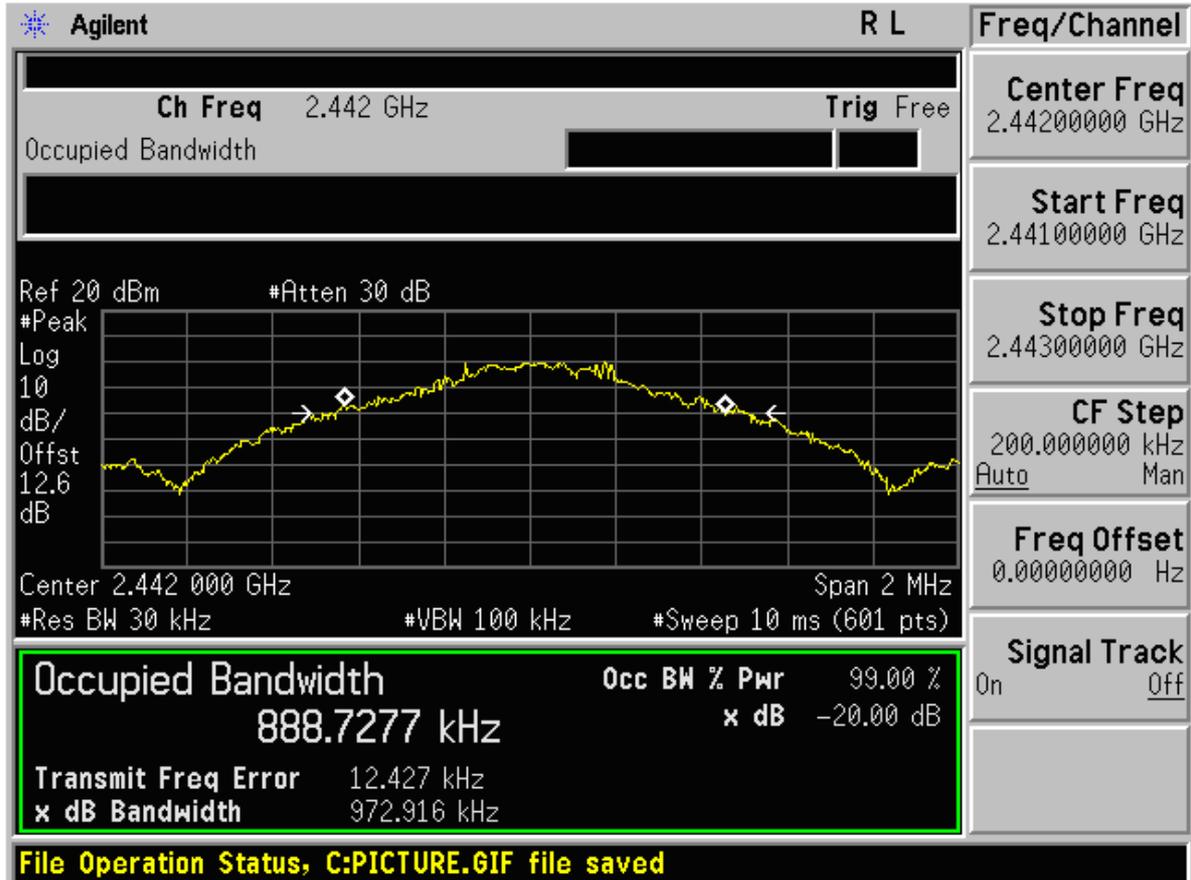


Channel 0 (2402MHz)



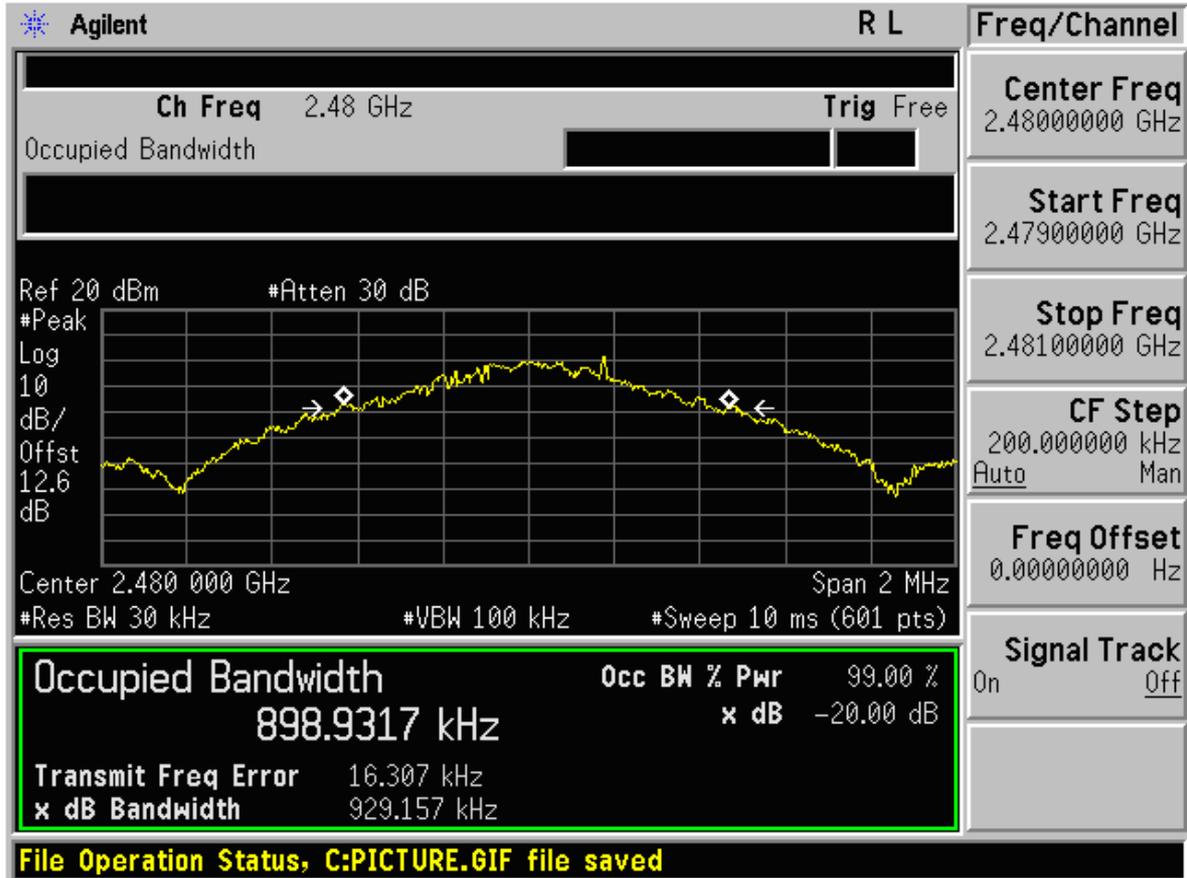


Channel 40 (2442MHz)





Channel 78 (2480MHz)





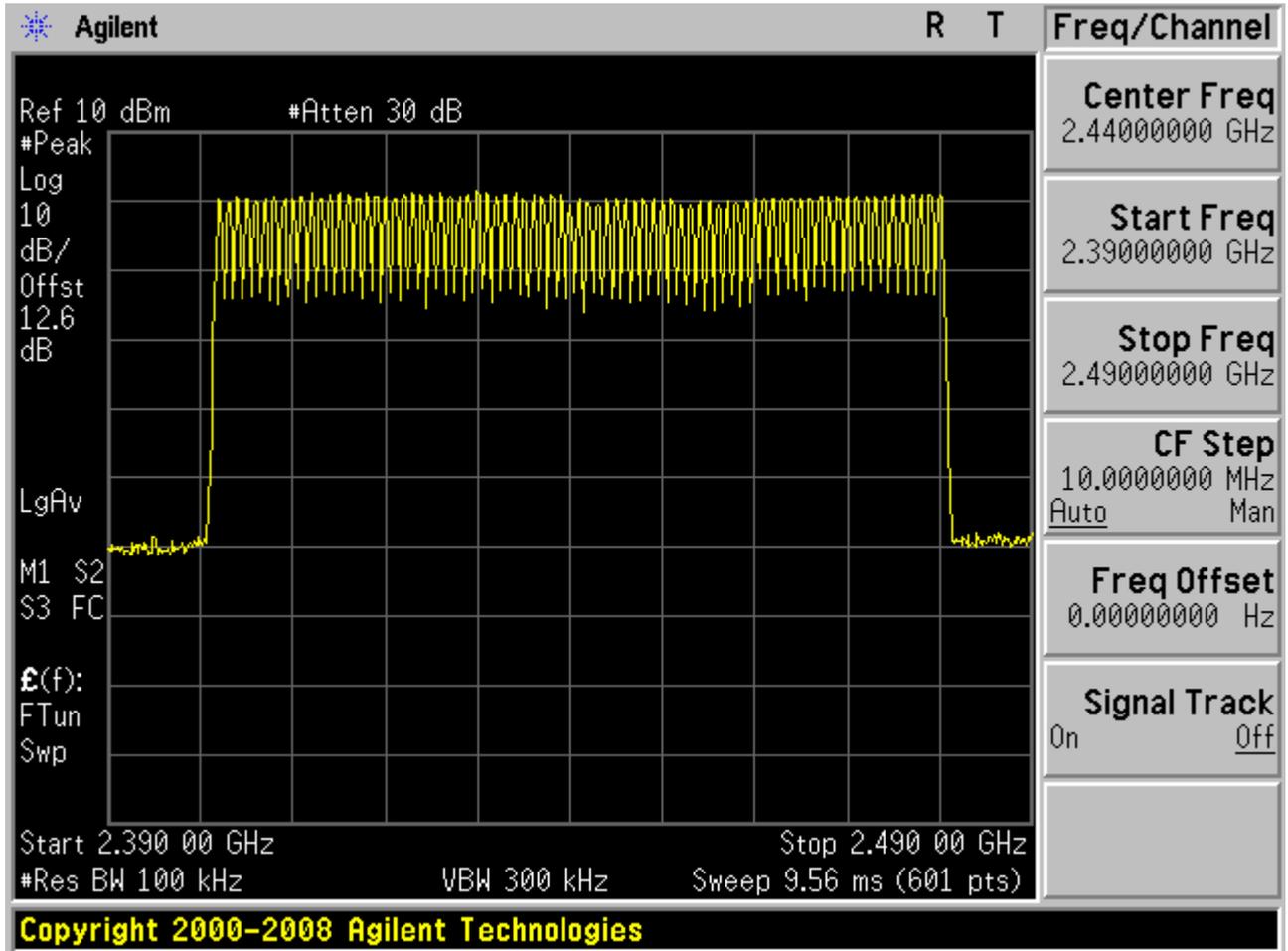
Appendix C

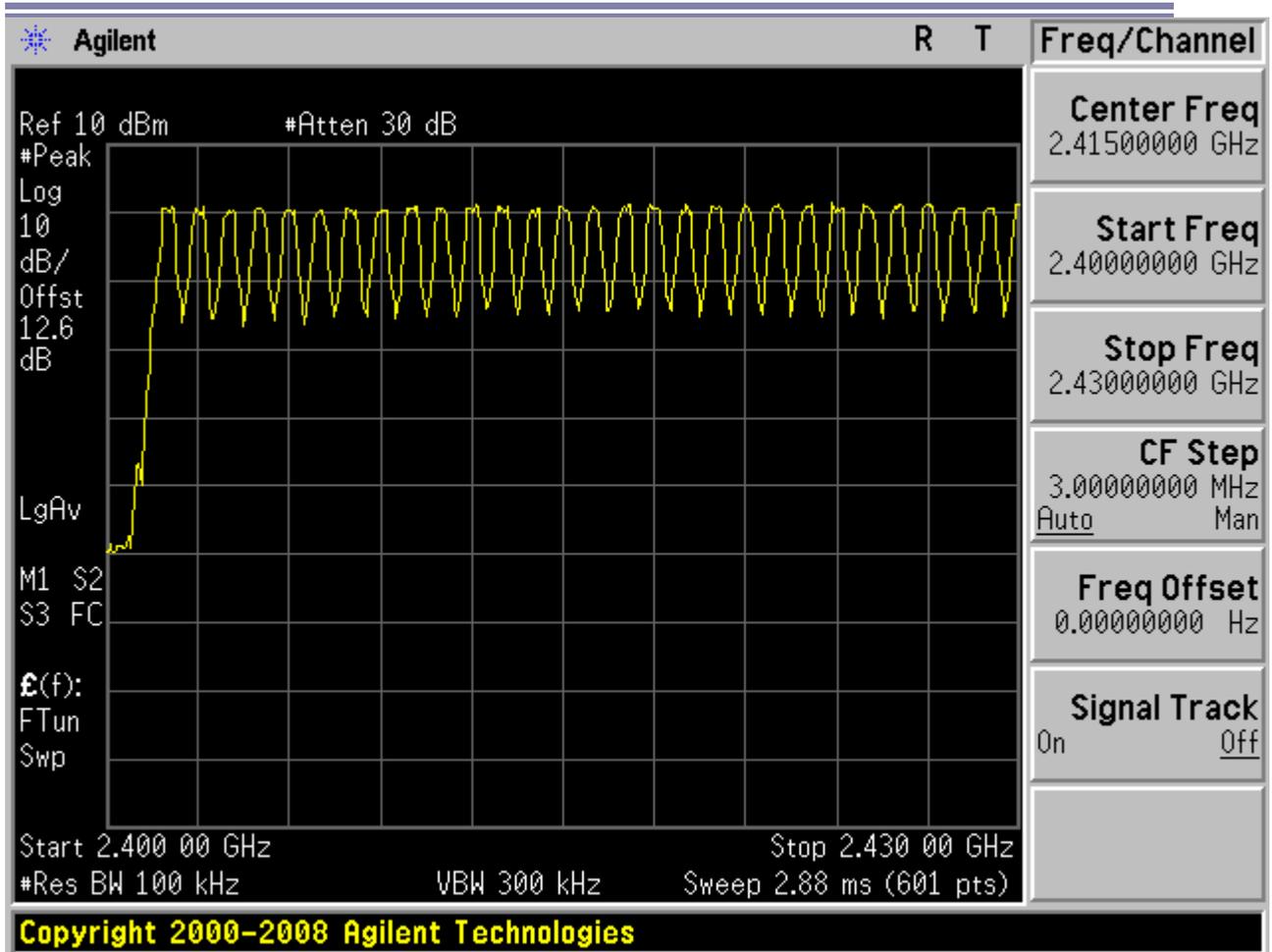
Number of hopping channel

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

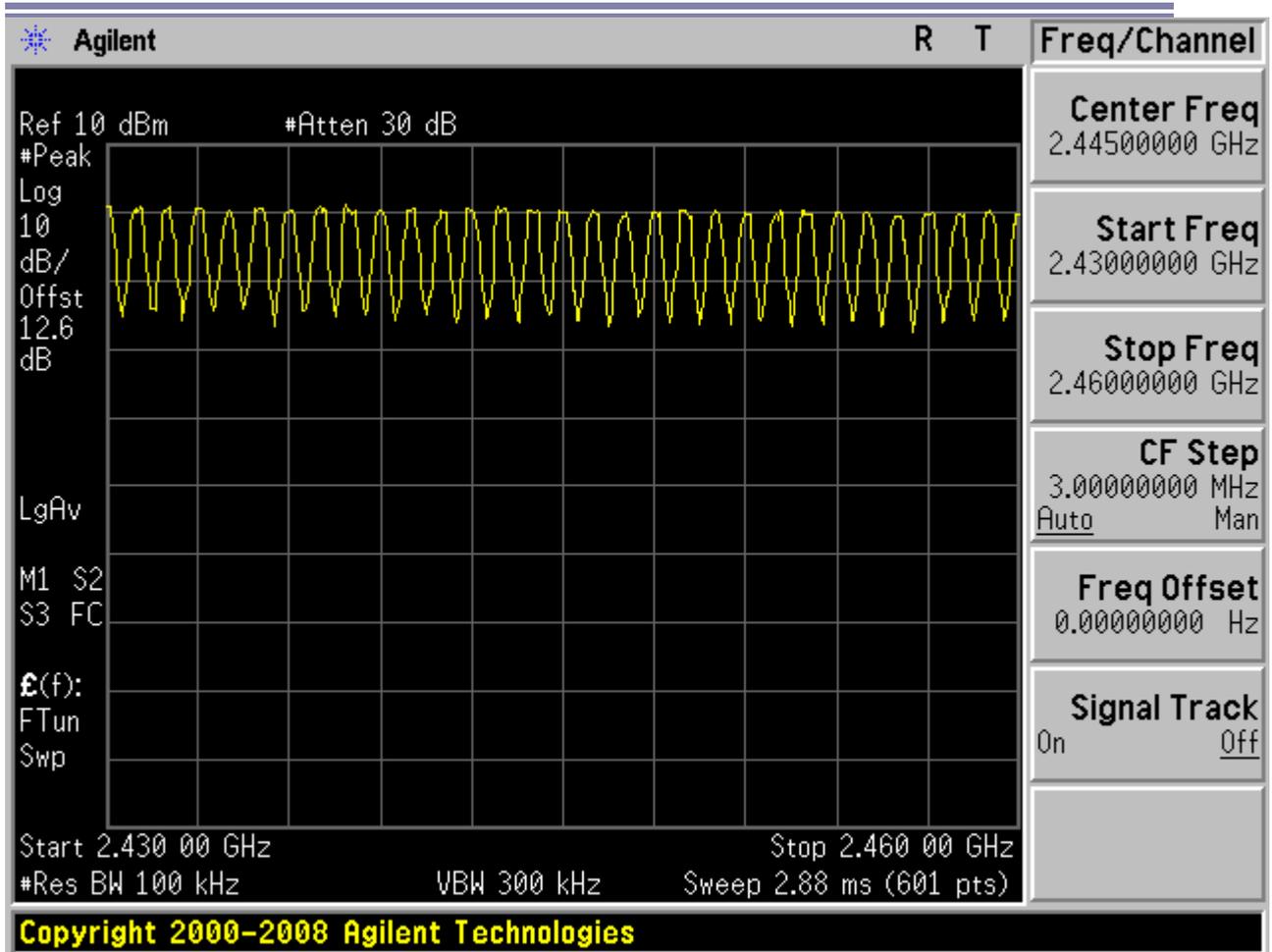


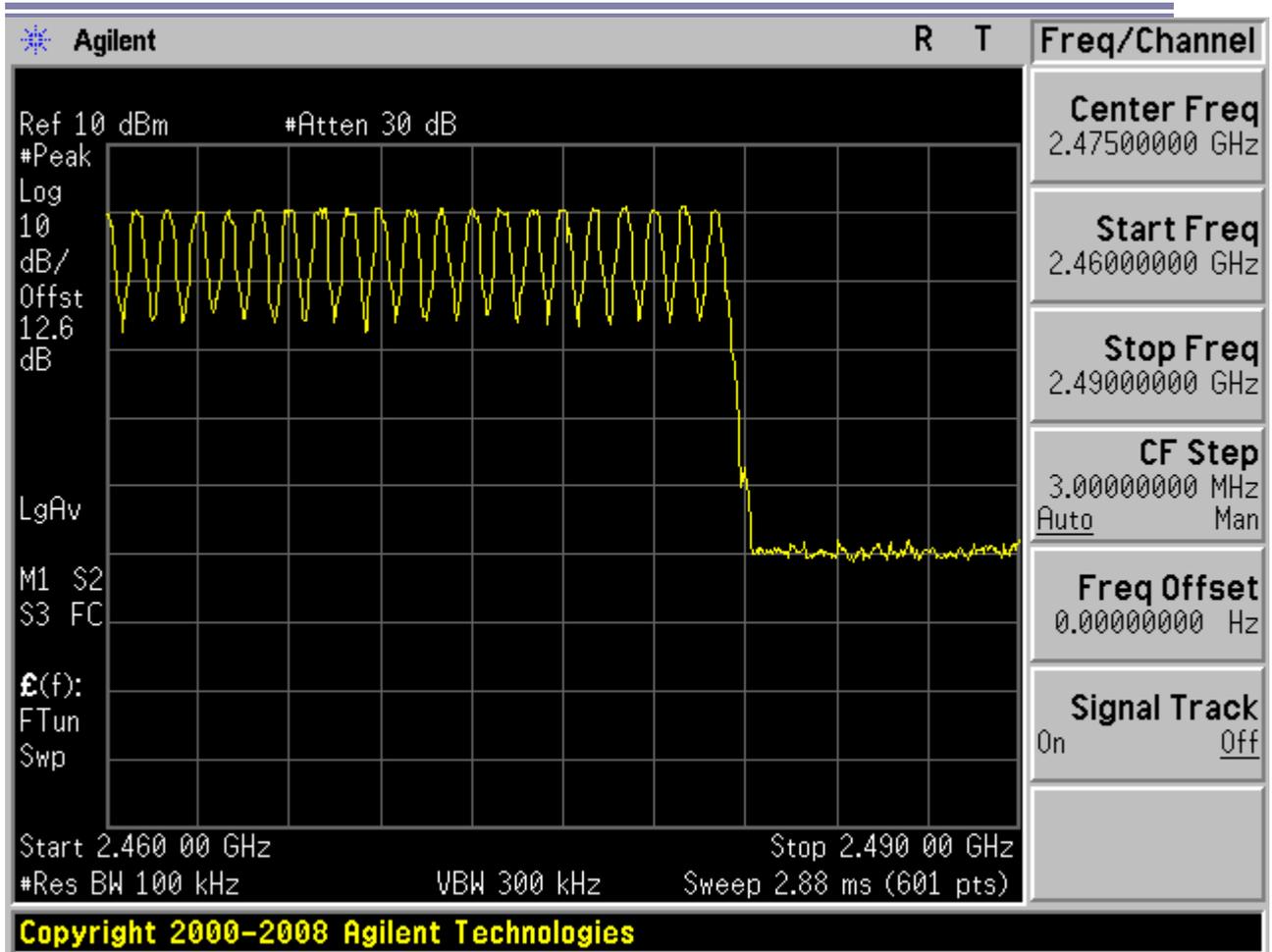
Total hopping channels = 79





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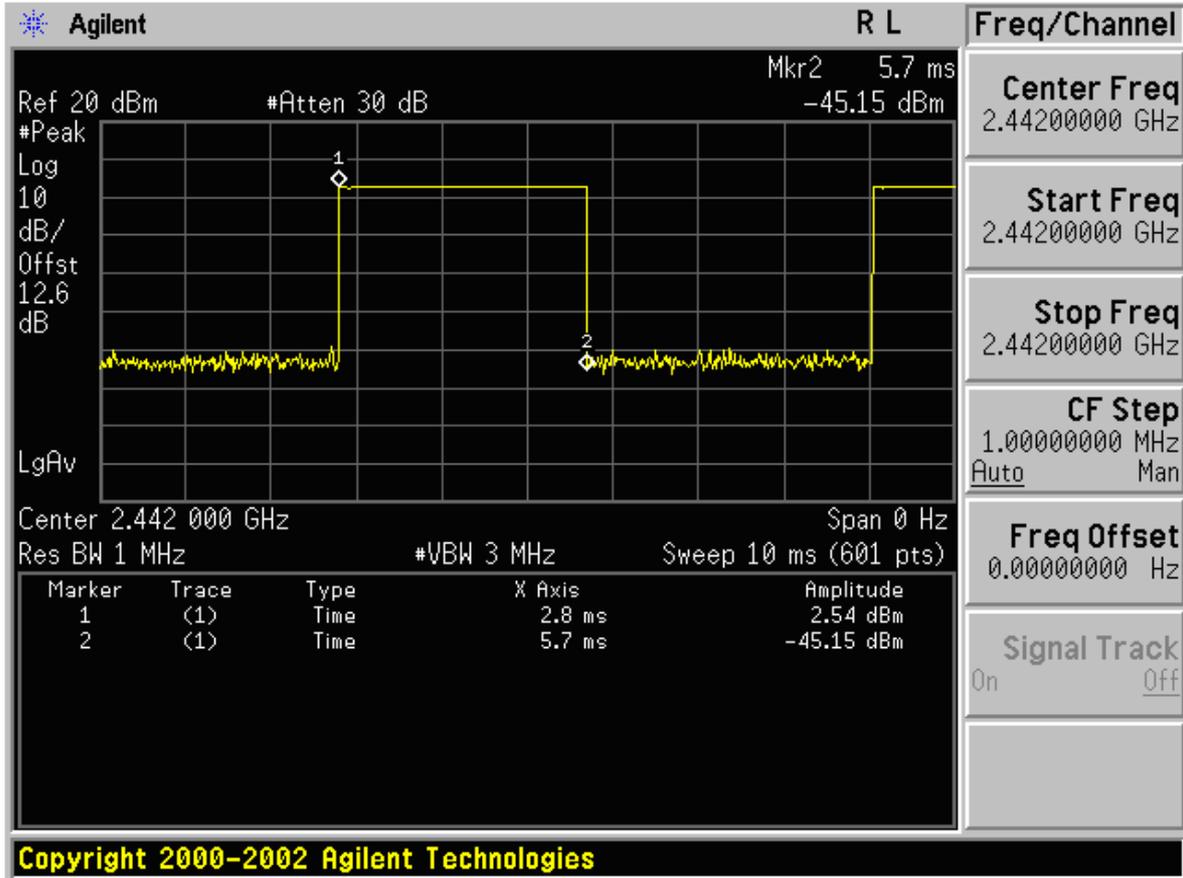
Appendix D

Time of occupancy

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

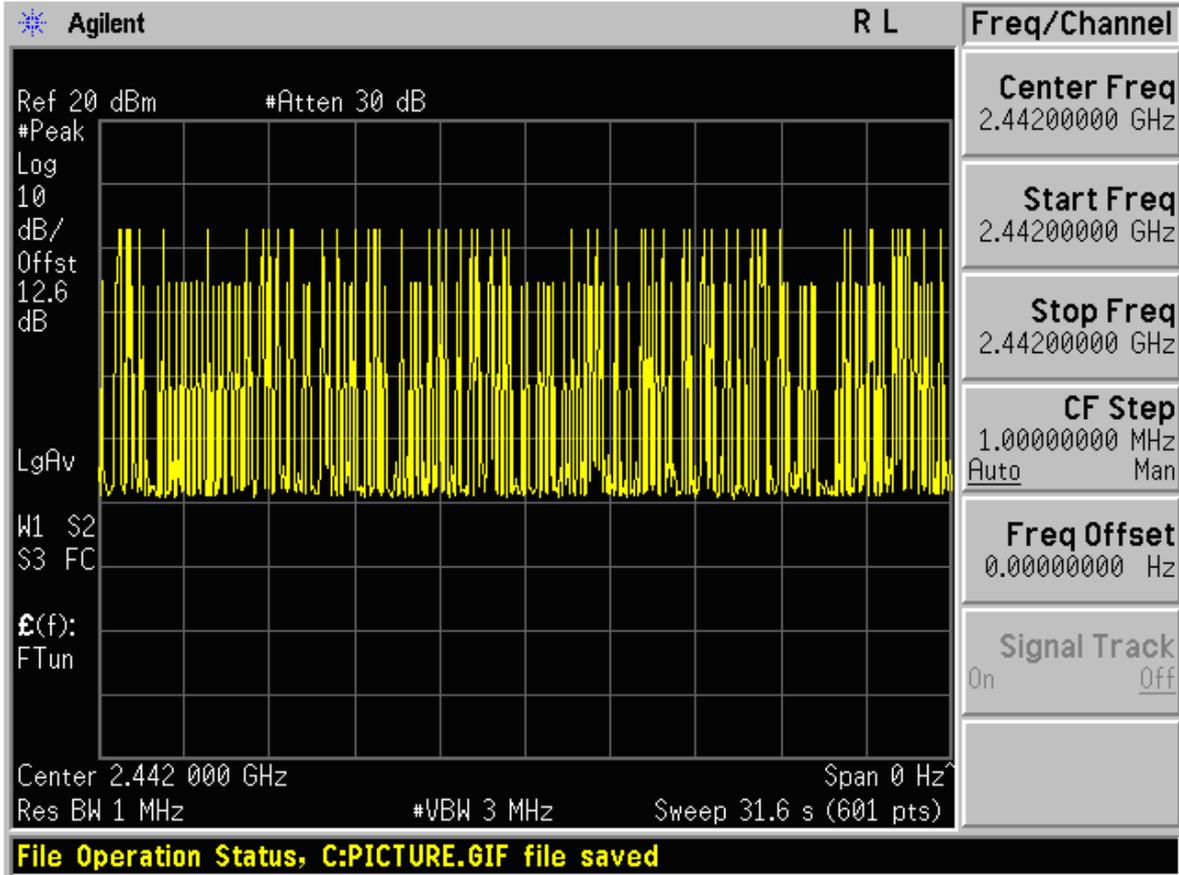


A burst (One time slot)





A period (Less than 106.7 burst)





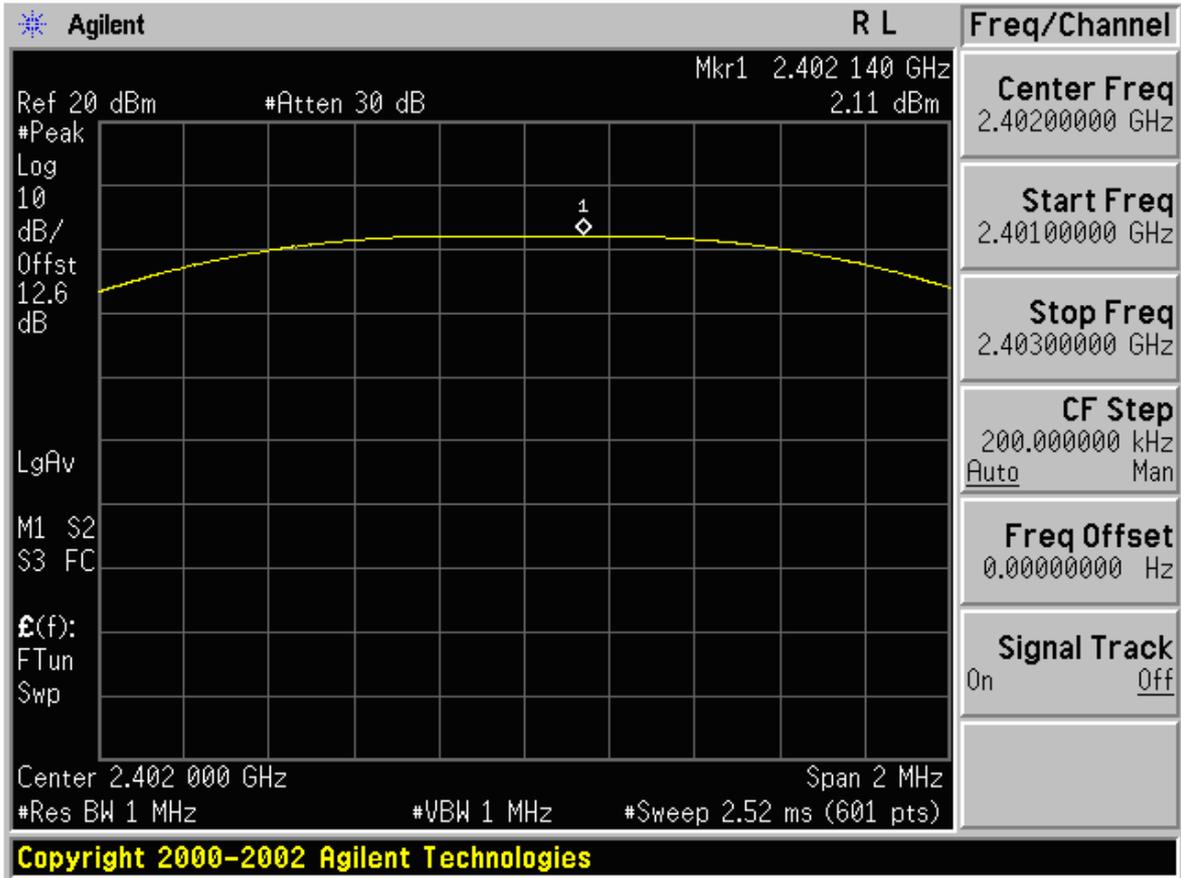
Appendix E

Peak output power

According to FCC Part 15.247 (b) (1)

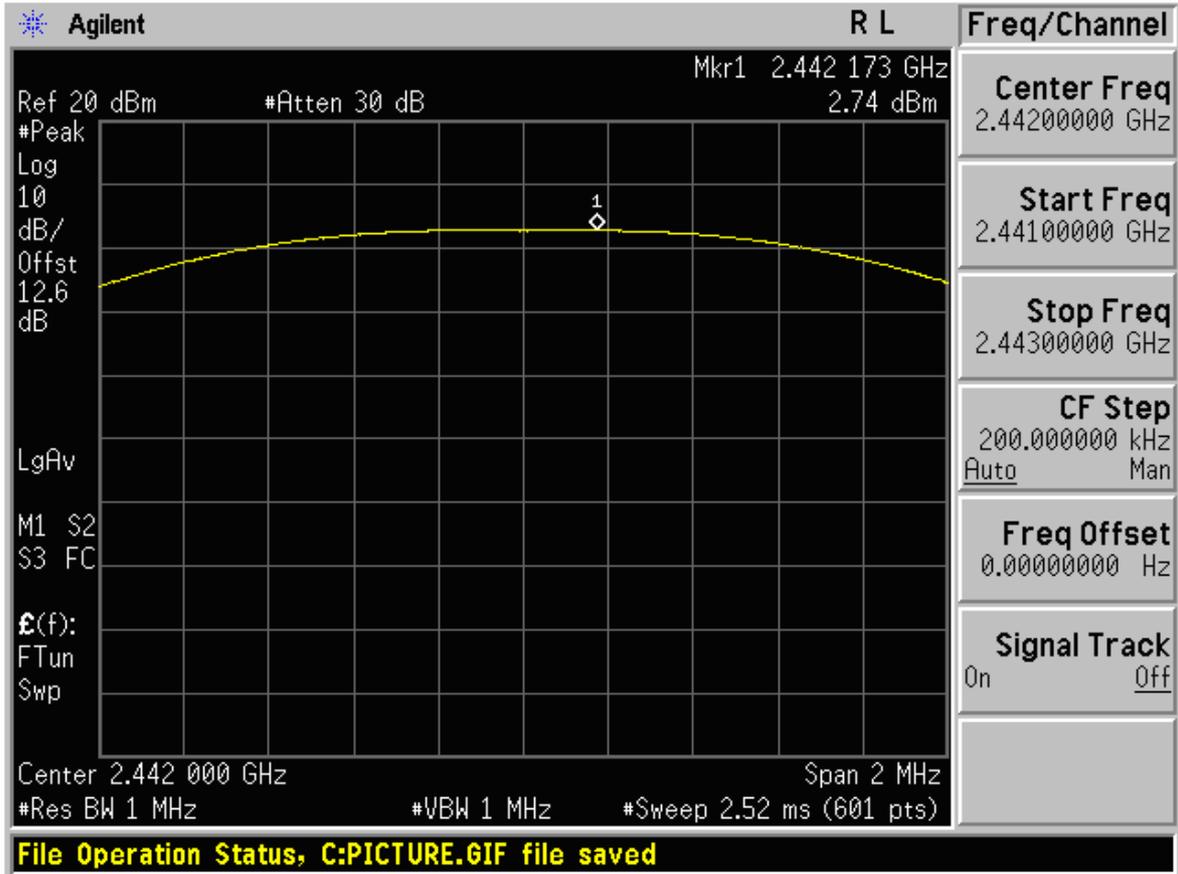


Channel 0 (2402MHz)



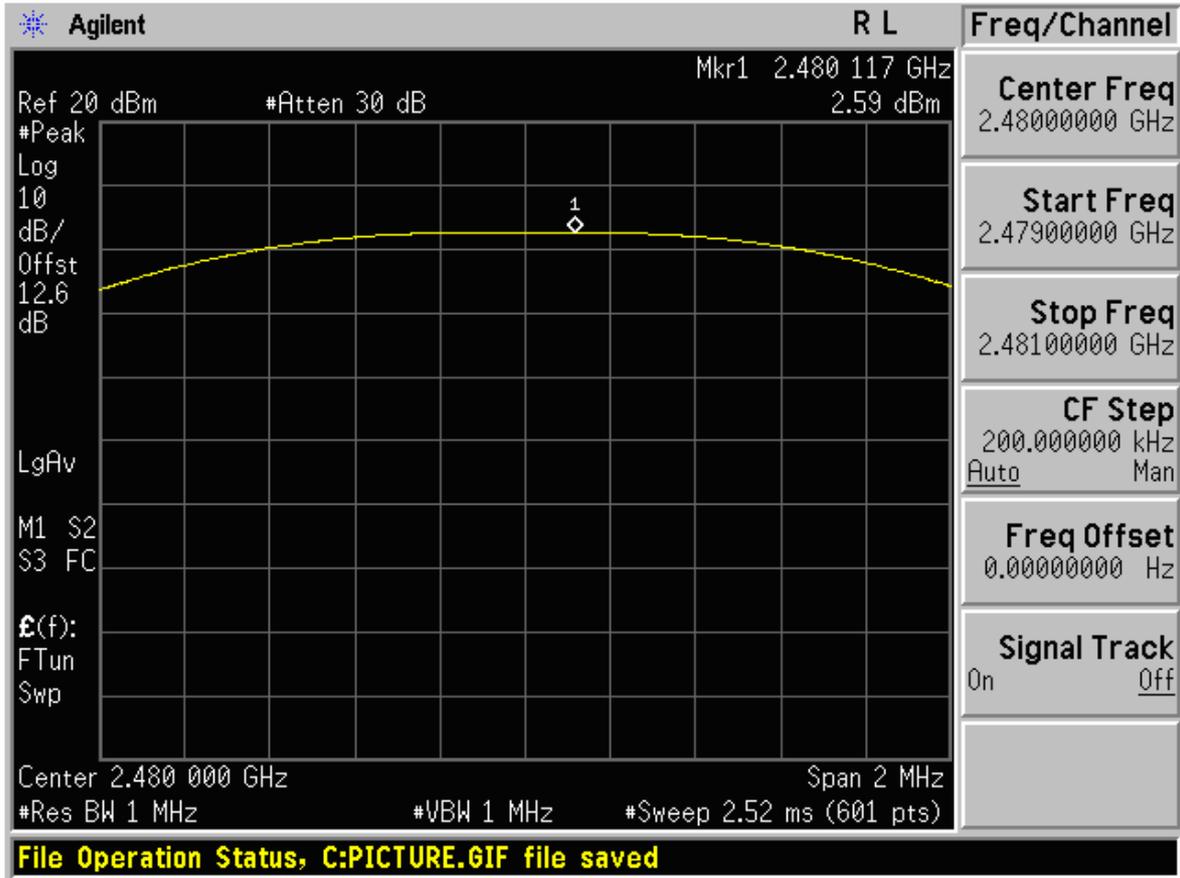


Channel 40 (2442MHz)





Channel 78 (2480MHz)





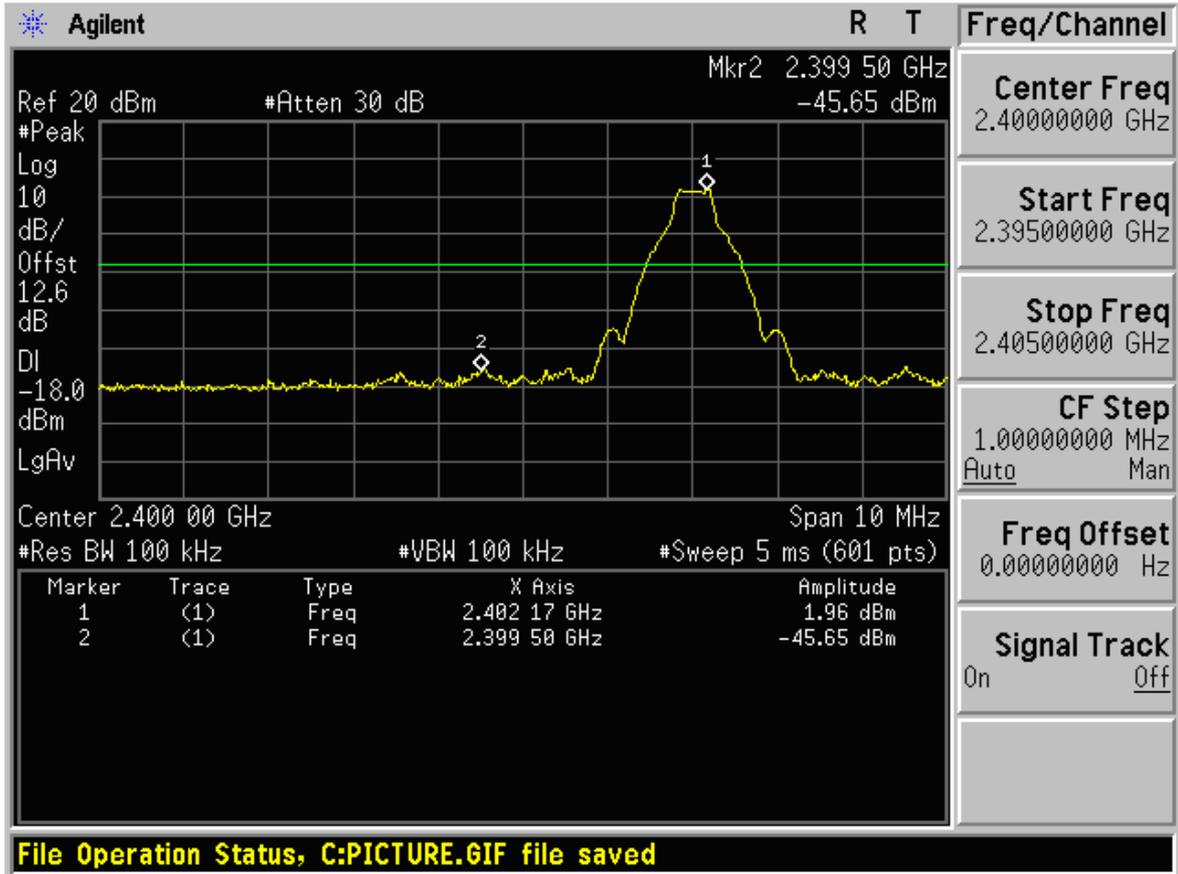
Appendix F

Band edge spurious emission

According to FCC Part 15.247 (d)

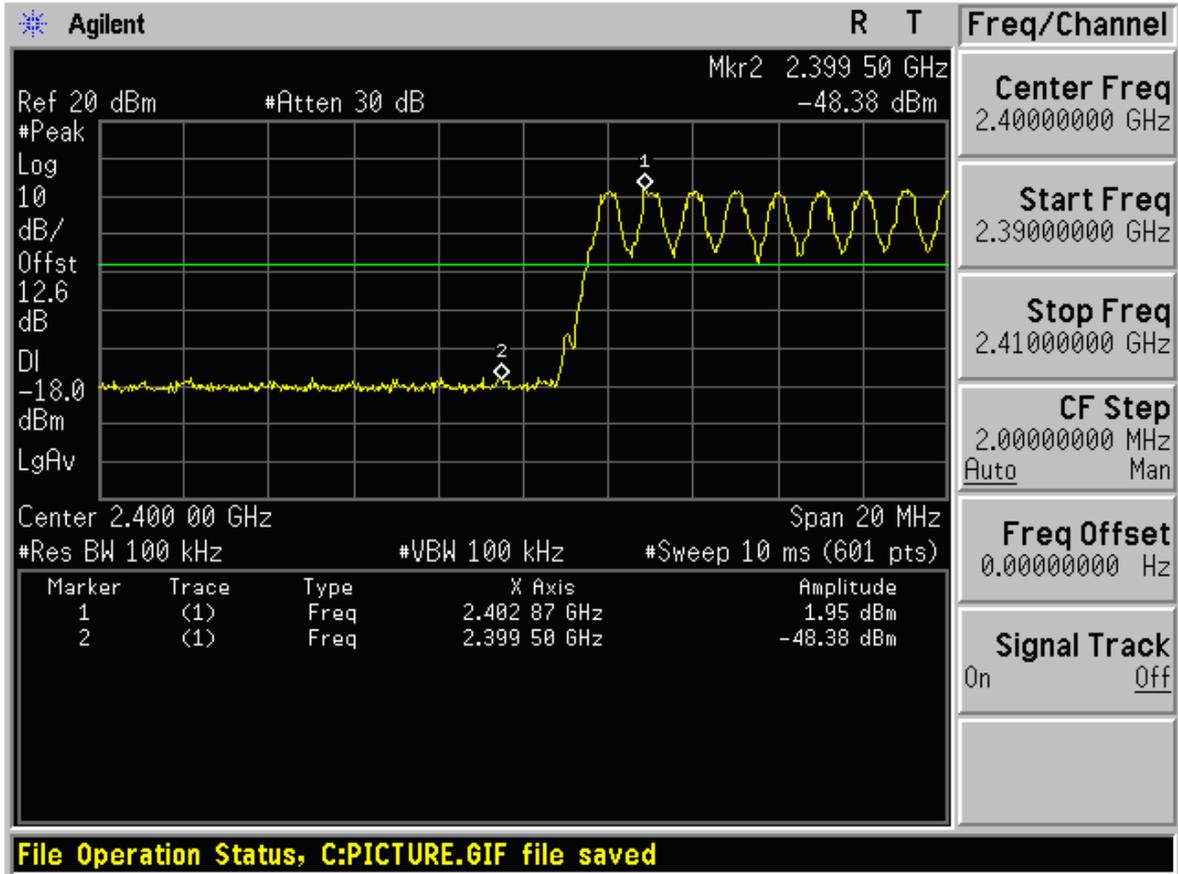


Low edge (Channel 0, no hopping)



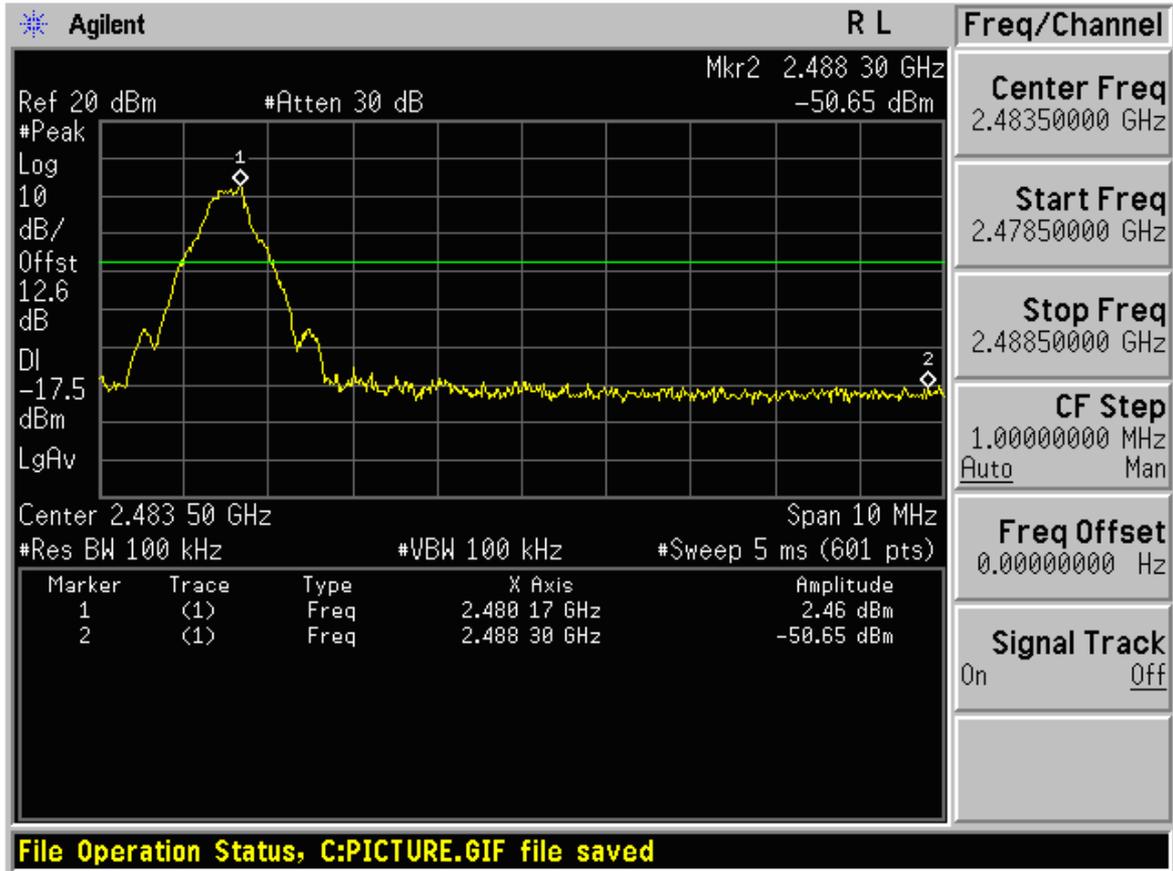


Low edge (with hopping)



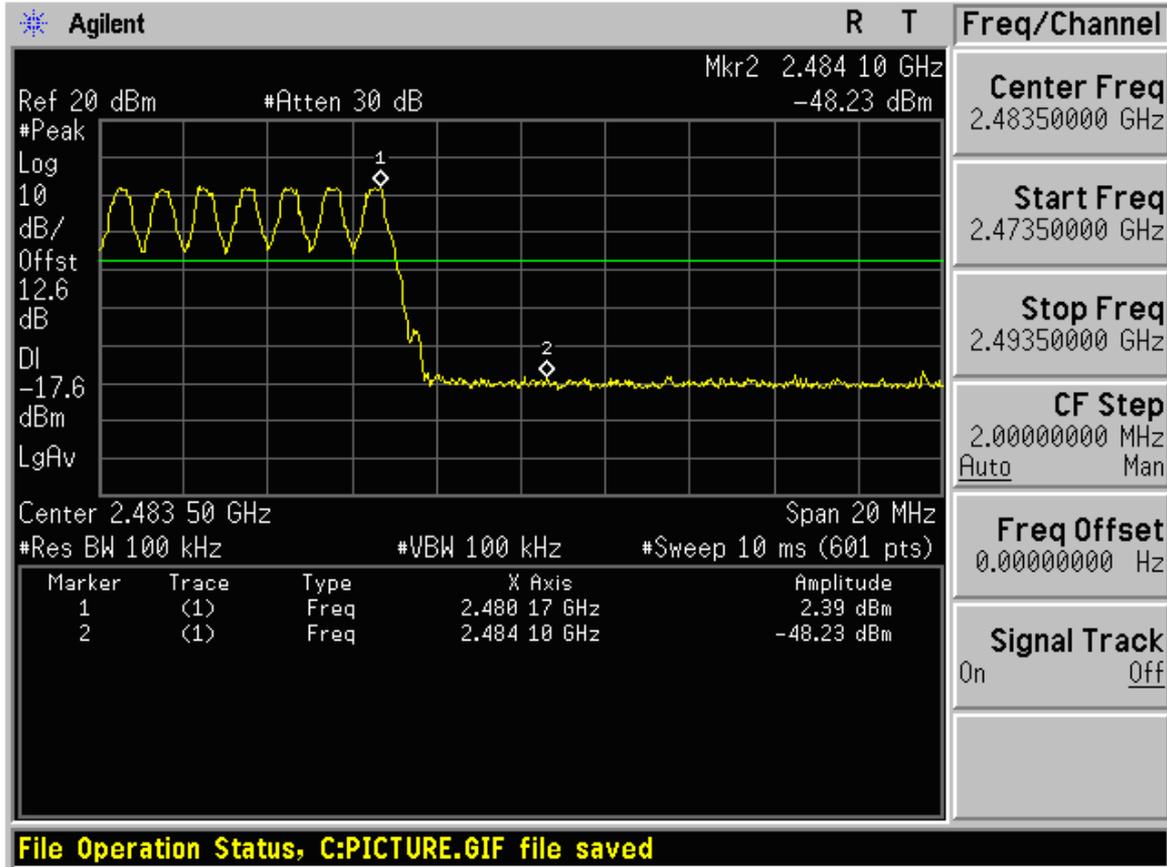


High edge (Channel 78, no hopping)





High edge (with hopping)





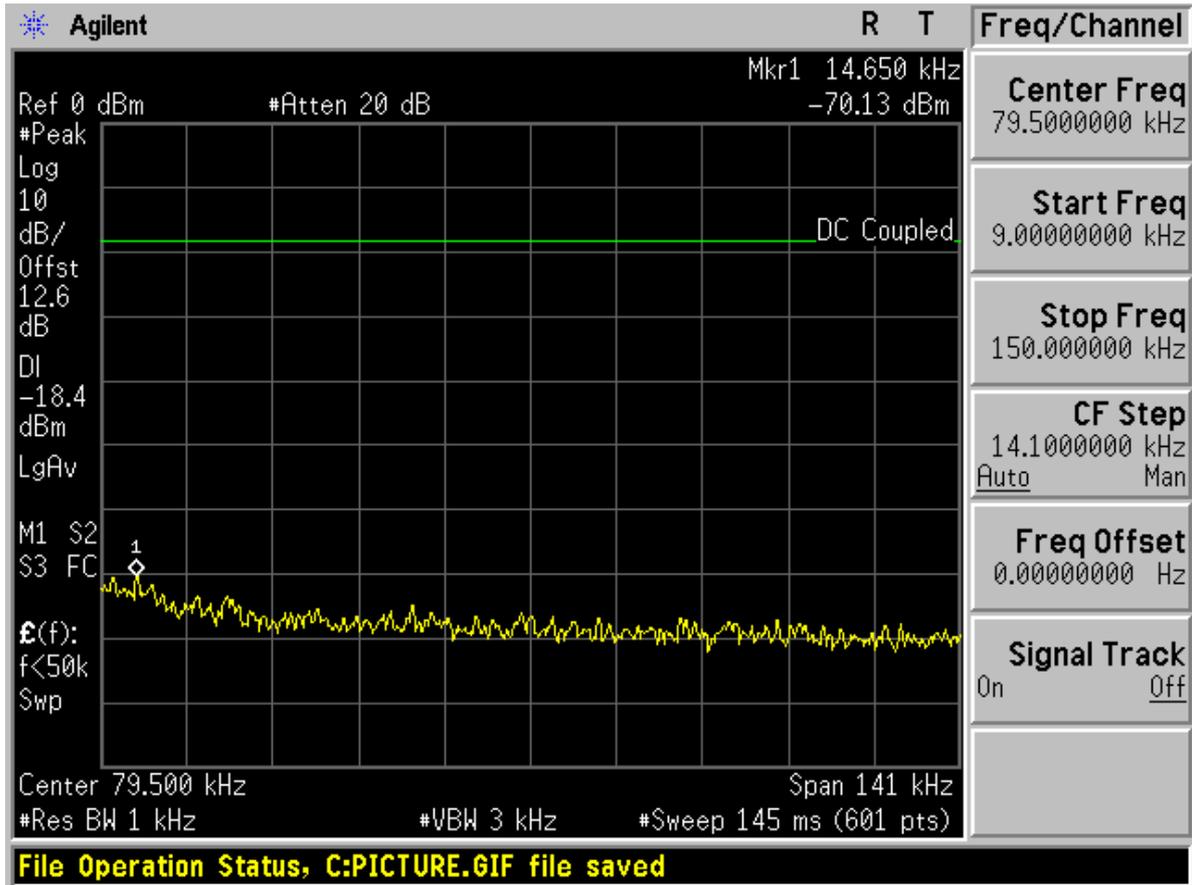
Appendix G

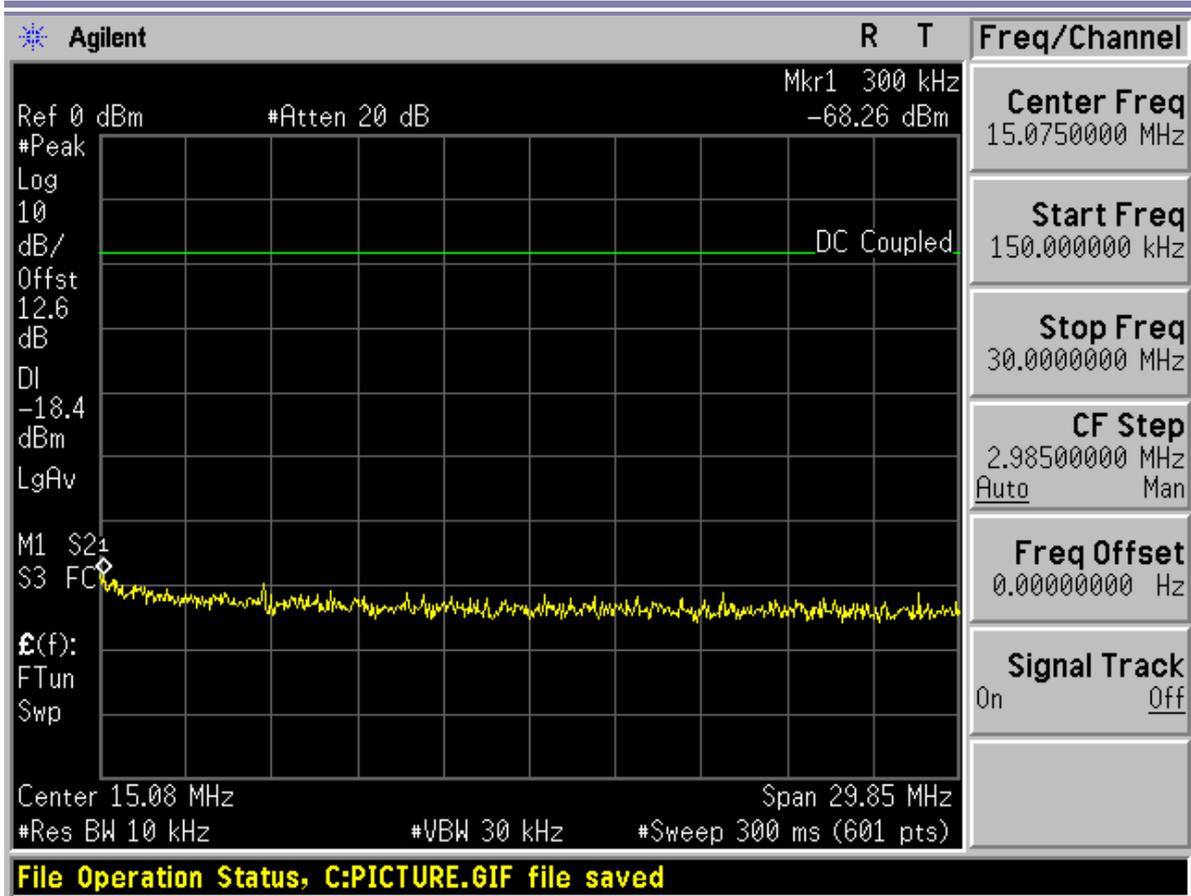
Conducted RF spurious

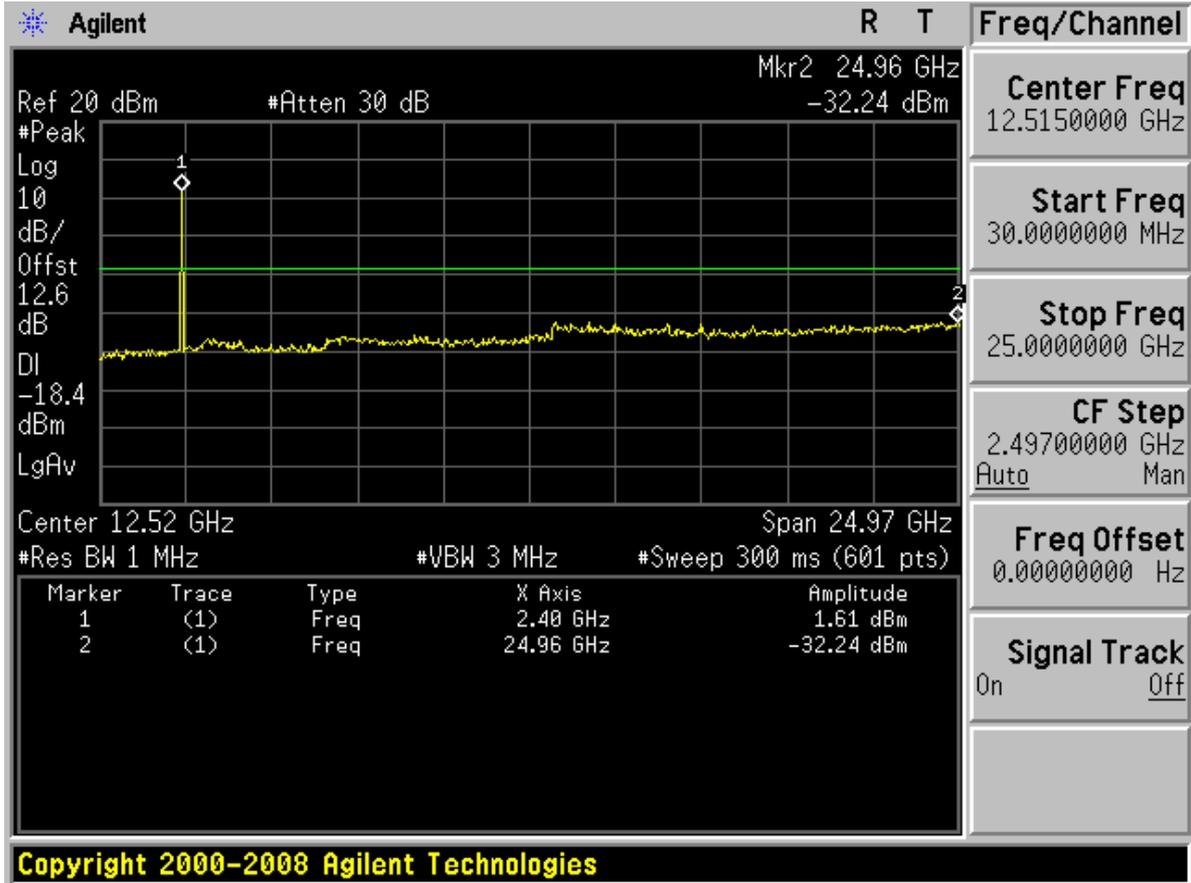
According to FCC Part 15.247 (d)



Channel 0

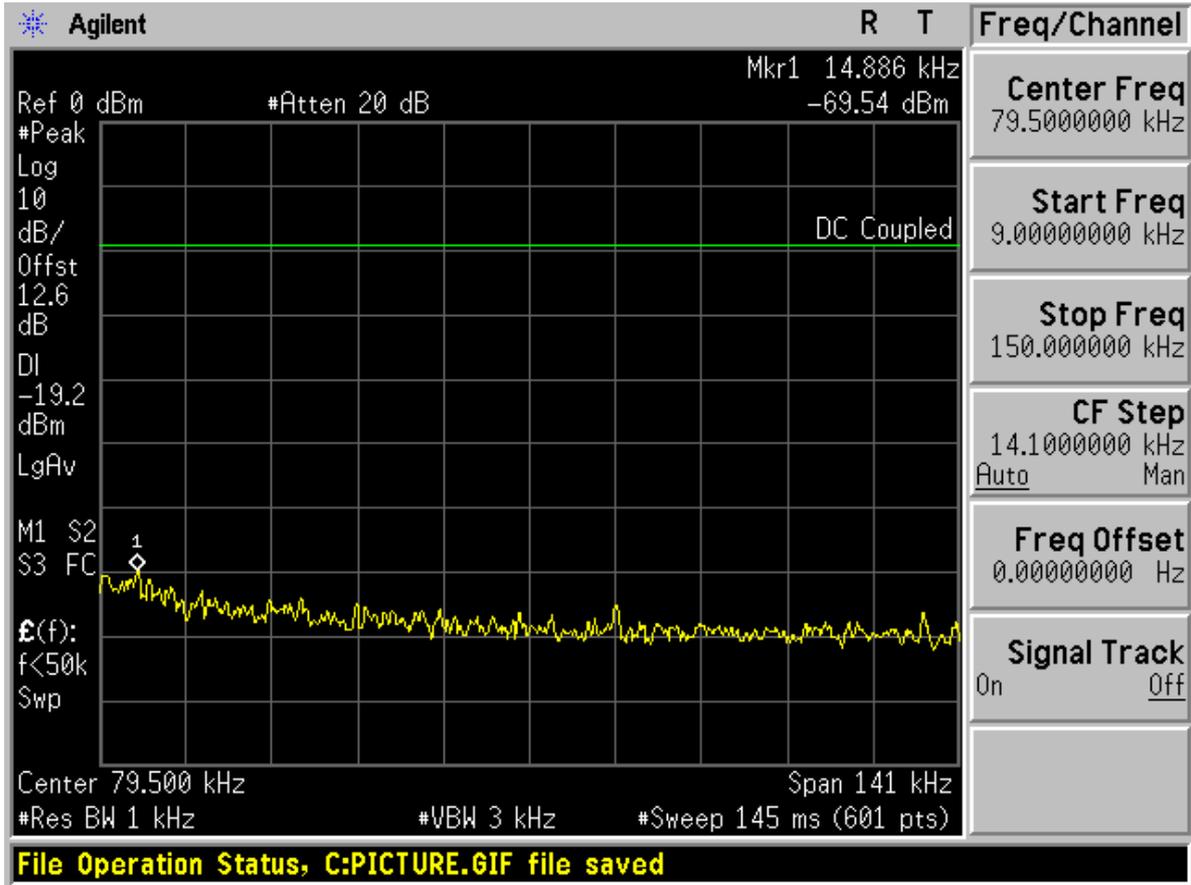


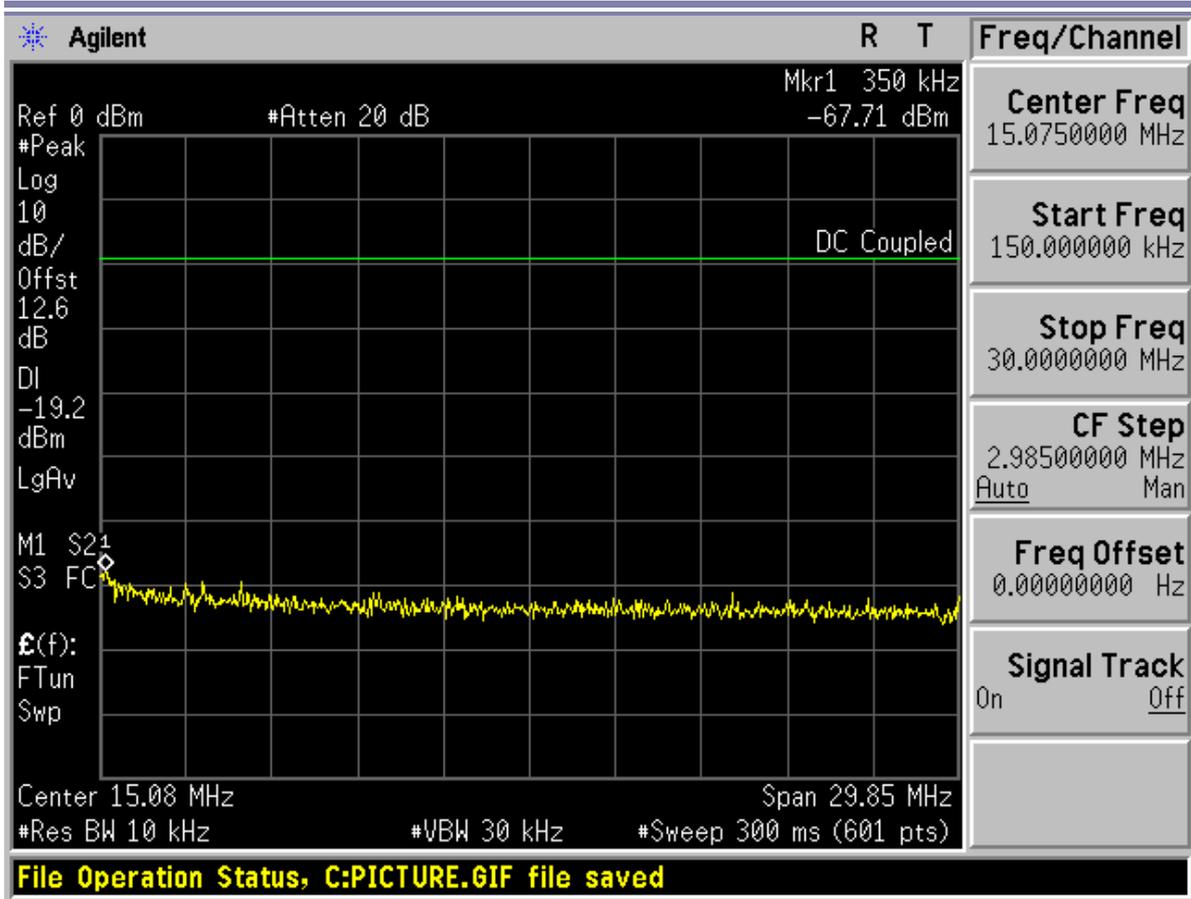


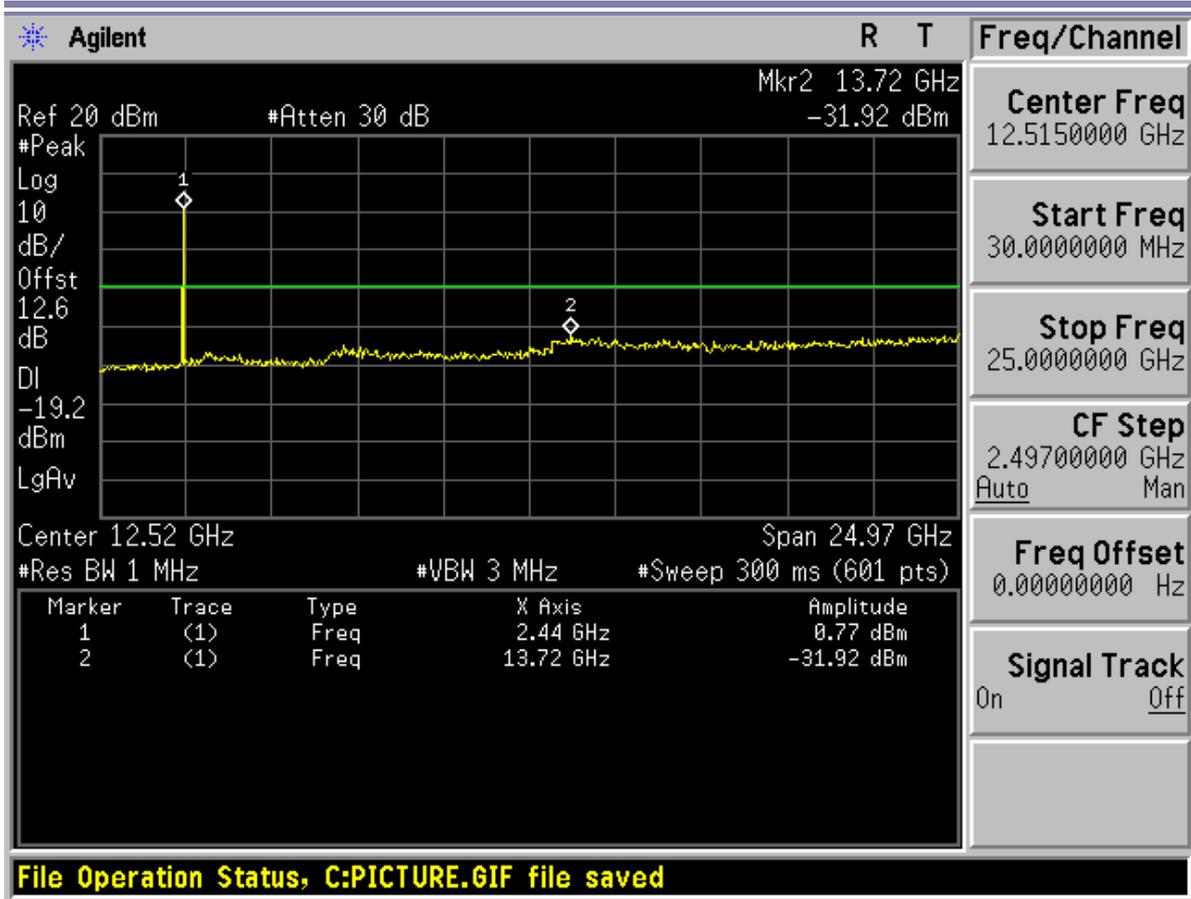




Channel 40

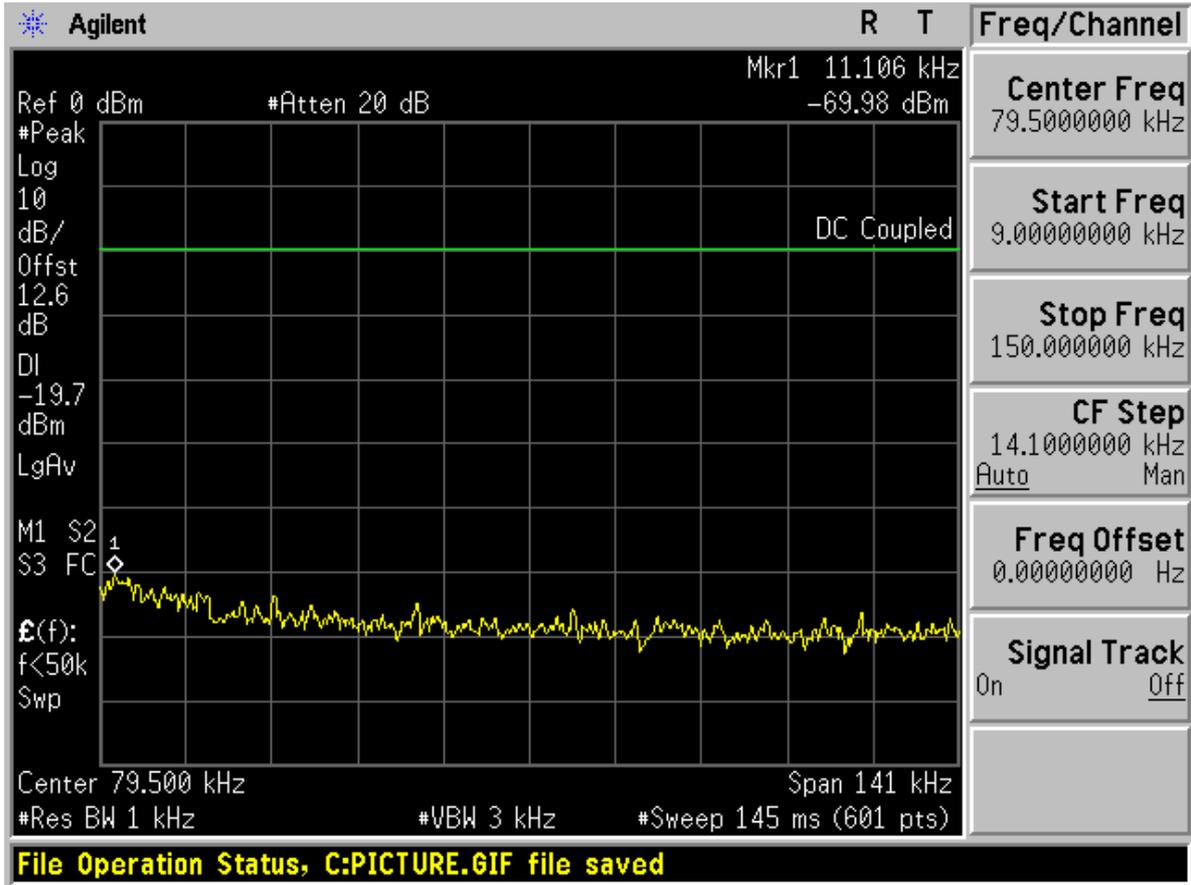


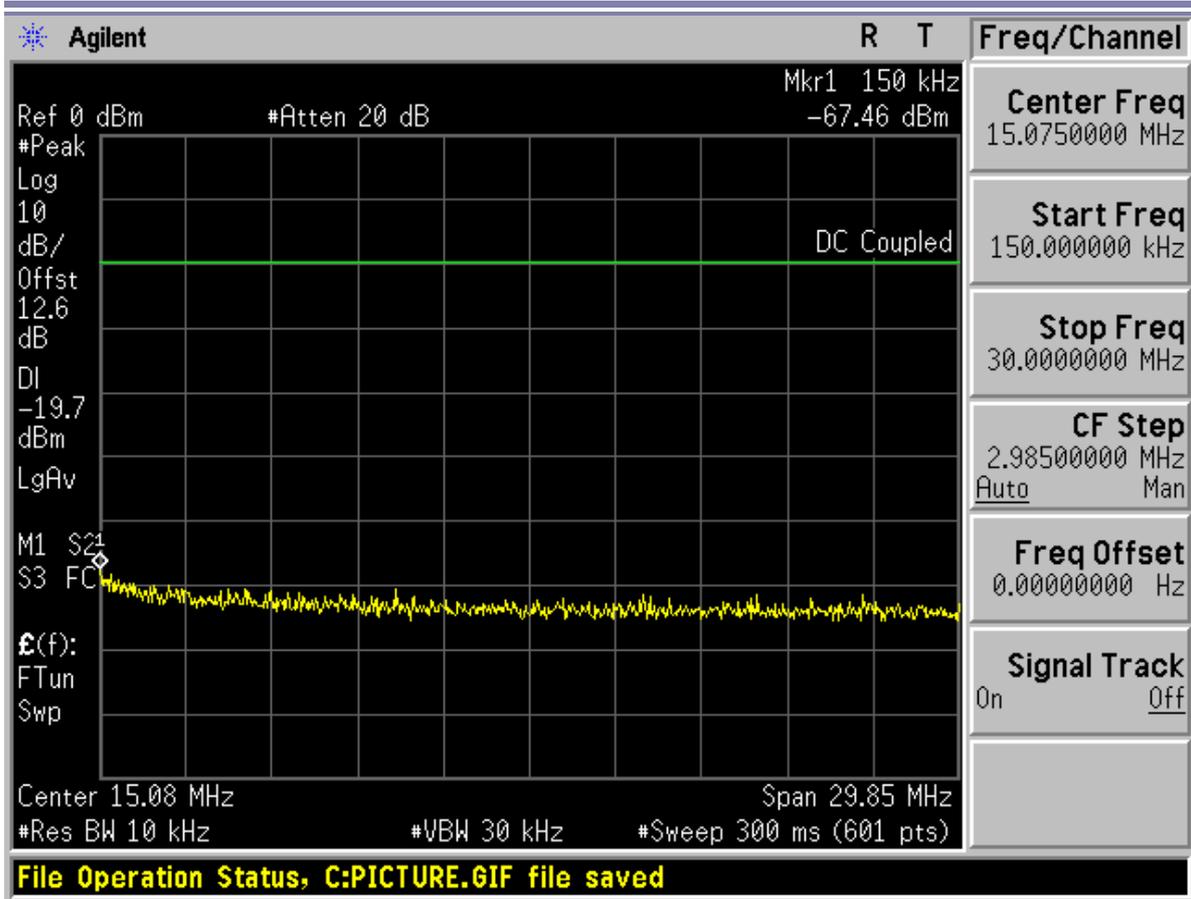


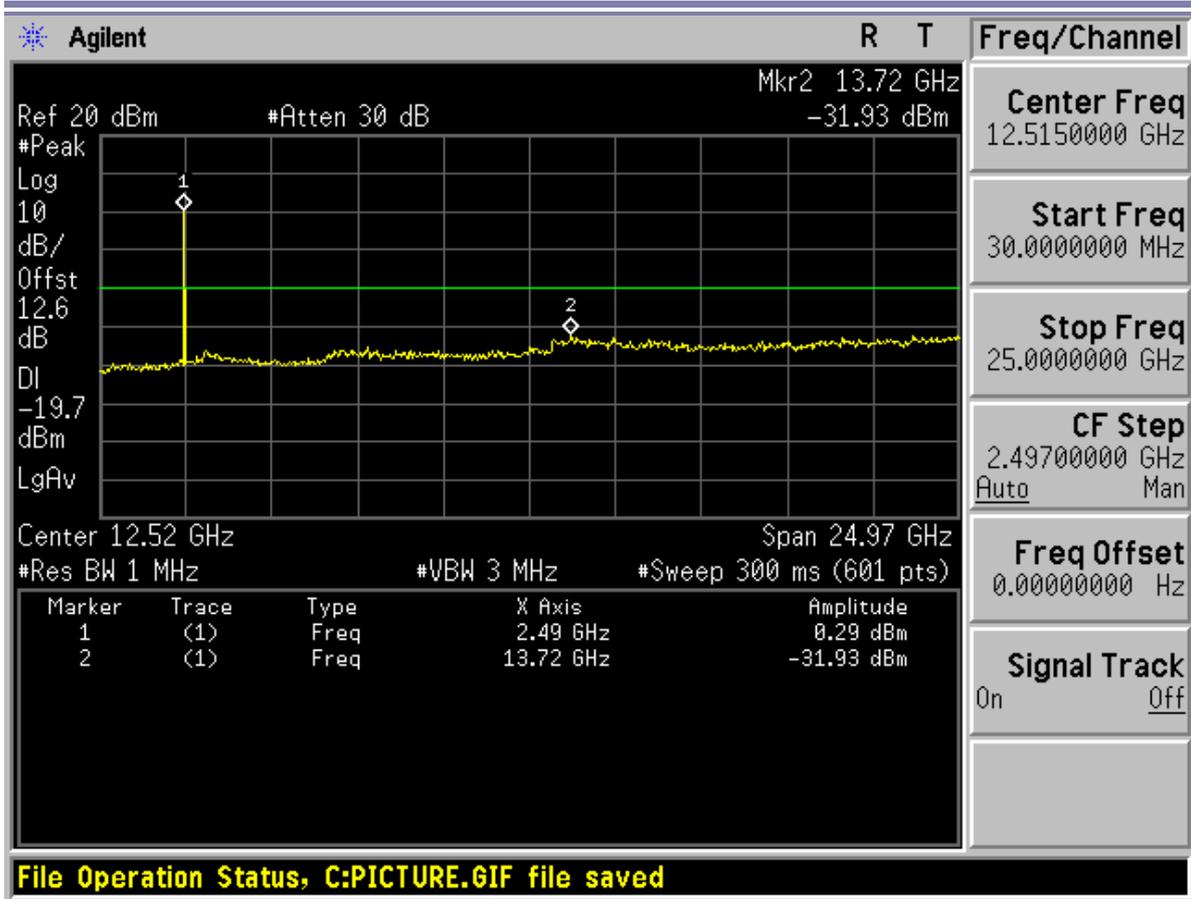




Channel 78









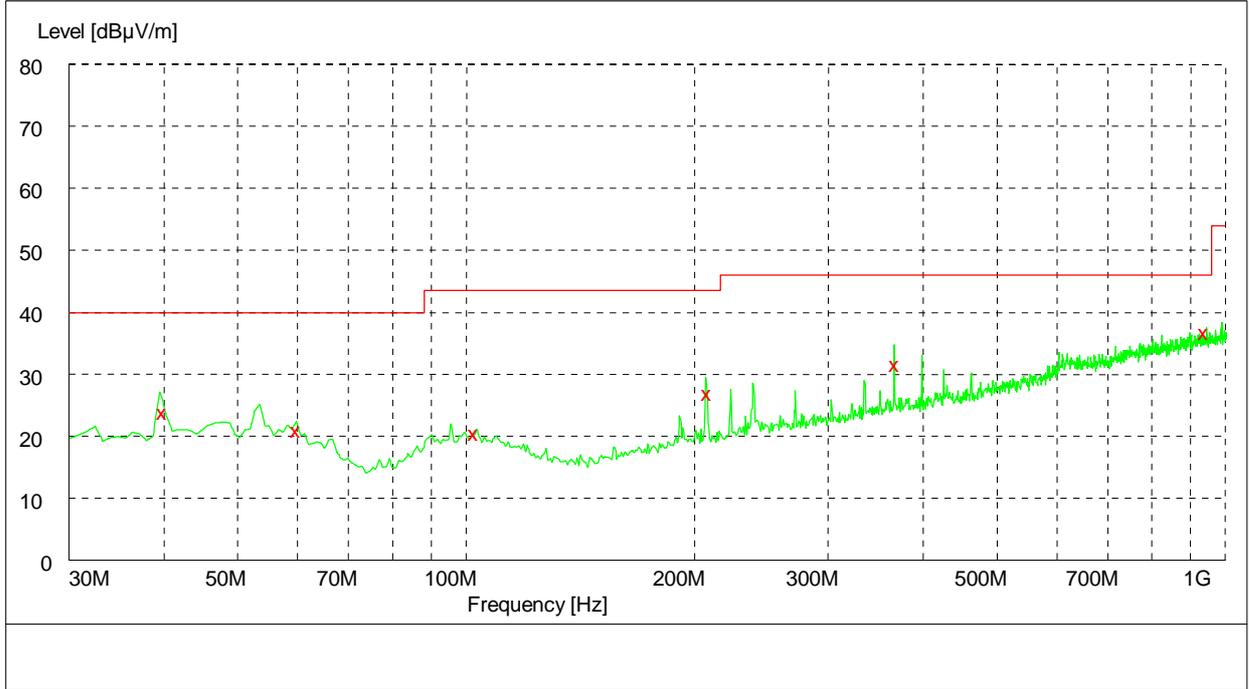
Appendix H

Radiated spurious emission

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



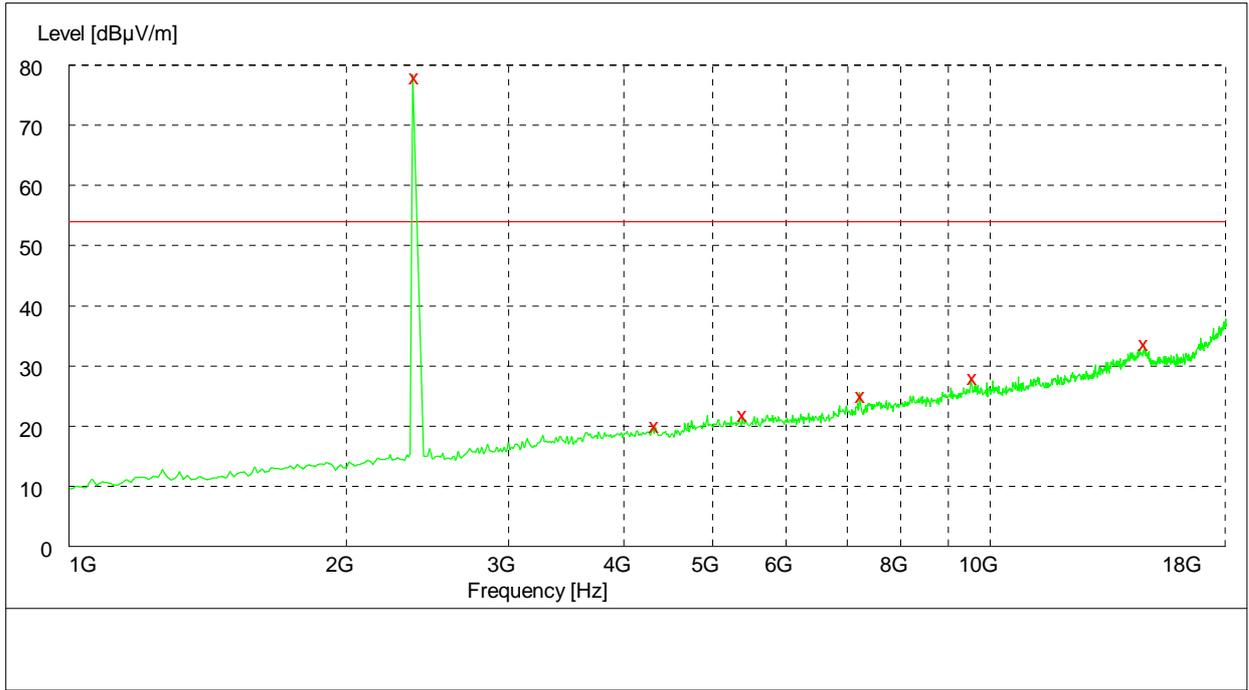
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
40.020000	24.30	13.1	40.0	15.7	281.0	308.00	VERTICAL
60.000000	21.00	12.3	40.0	19.0	149.0	57.00	VERTICAL
102.840000	20.50	12.8	43.5	23.0	162.0	76.00	VERTICAL
206.580000	27.50	12.2	43.5	16.0	268.0	249.00	HORIZONTAL
365.520000	31.40	17.4	46.0	14.6	197.0	227.00	VERTICAL
941.220000	37.60	26.5	46.0	8.4	236.0	6.00	VERTICAL



1GHz to 18GHz

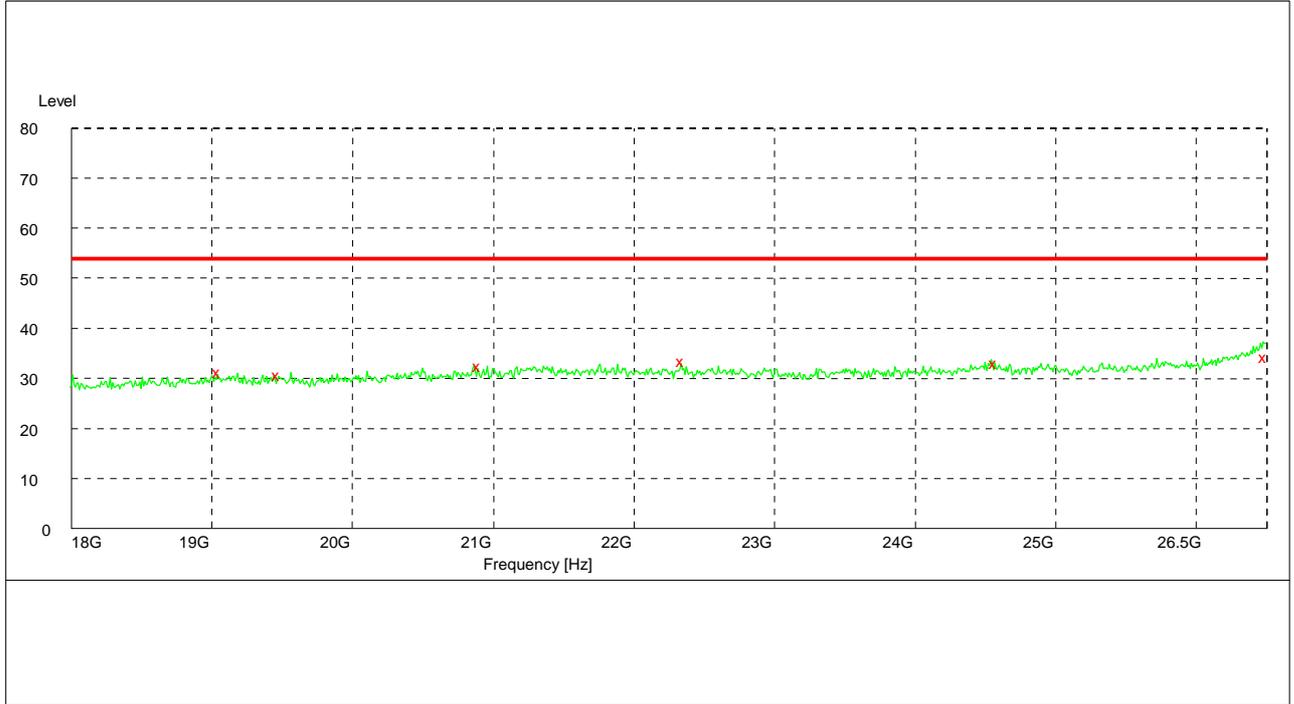


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2402.000000	78.50	-11.5	54.0	-24.5	105.0	242.00	VERTICAL
4312.500000	19.80	-5.3	54.0	34.2	190.0	31.00	HORIZONTAL
5369.500000	22.40	-2.5	54.0	31.6	131.0	348.00	VERTICAL
7165.500000	24.60	0.6	54.0	29.4	165.0	249.00	HORIZONTAL
9504.000000	28.50	5.0	54.0	25.5	130.0	253.00	VERTICAL
14657.000000	33.40	11.9	54.0	20.6	172.0	308.00	VERTICAL



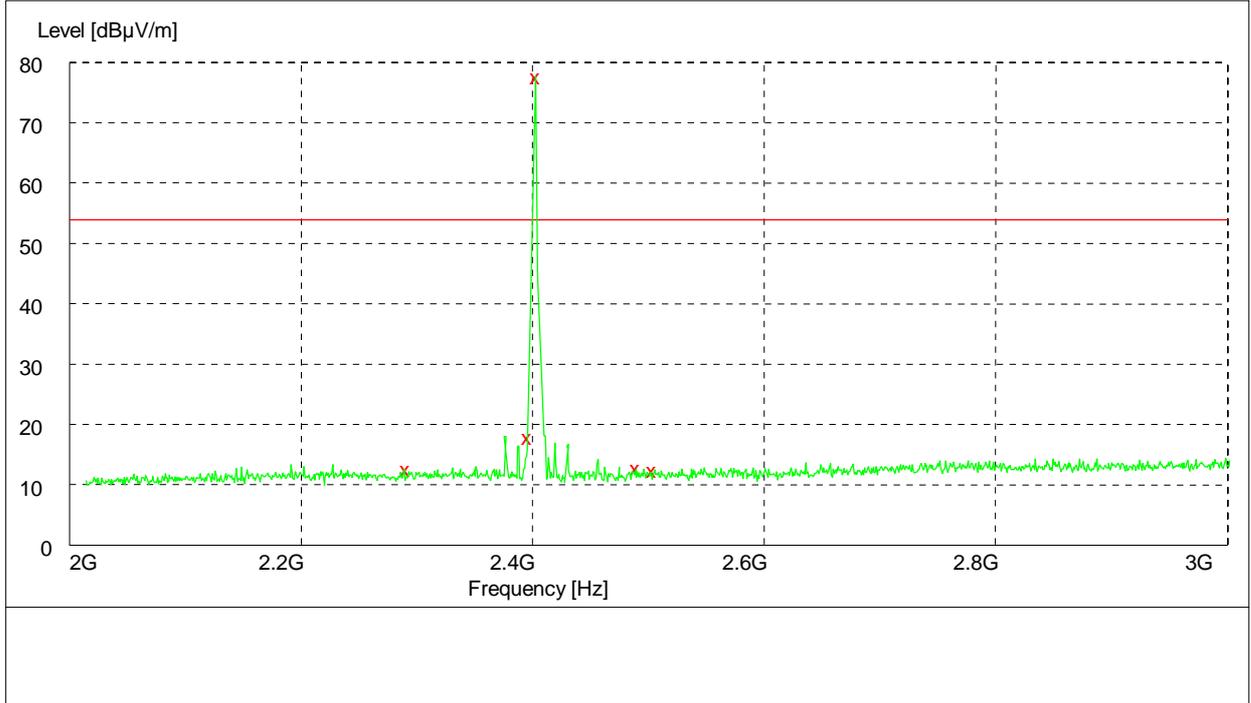
18GHz to 26GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
19024.000000	31.10	18.6	54.0	22.9	124.0	153.00	VERTICAL
19486.000000	30.20	18.9	54.0	23.8	151.0	140.00	VERTICAL
20885.500000	32.00	20.2	54.0	22.0	182.0	92.00	VERTICAL
22452.000000	32.90	20.3	54.0	21.1	135.0	297.00	HORIZONTAL
24587.000000	32.40	22.0	54.0	21.6	117.0	230.00	HORIZONTAL
26497.500000	34.20	27.9	54.0	19.8	131.0	199.00	VERTICAL



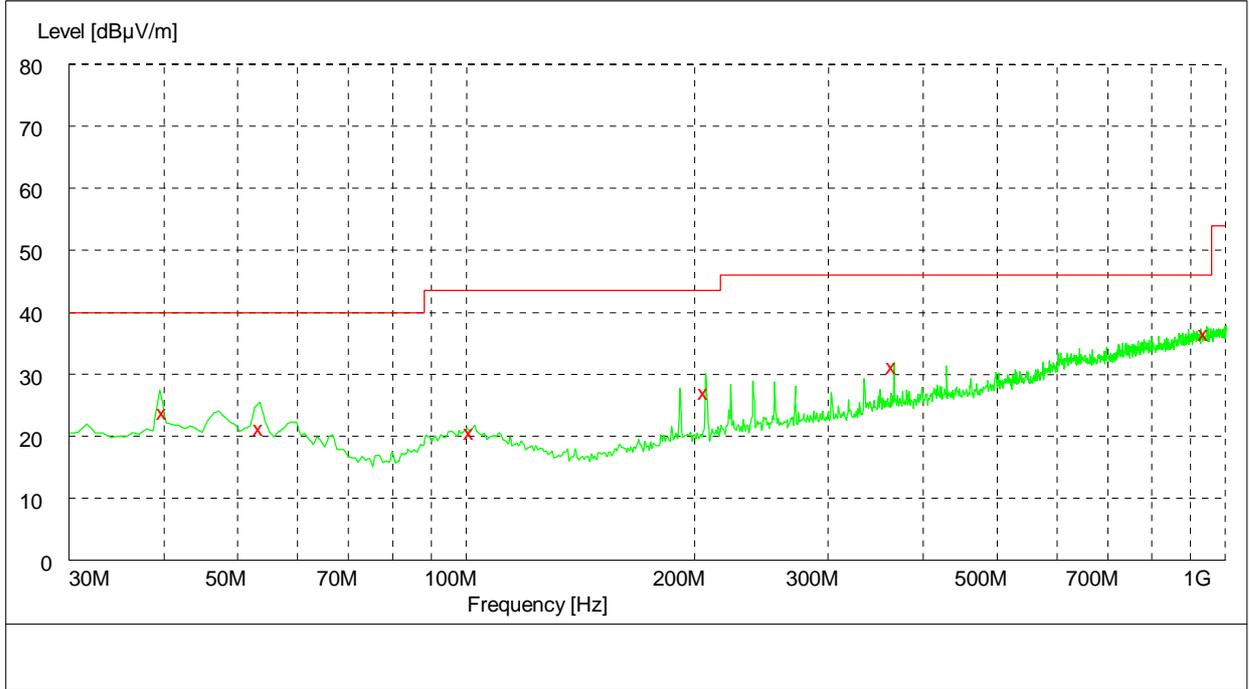
2GHz to 3GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	12.50	-11.9	54.0	41.5	194.0	128.00	VERTICAL
2390.000000	18.50	-11.6	54.0	35.5	184.0	338.00	HORIZONTAL
2402.000000	78.40	-11.5	54.0	-24.4	155.0	188.00	VERTICAL
2483.500000	12.60	-11.3	54.0	41.4	112.0	11.00	HORIZONTAL
2500.000000	12.40	-11.1	54.0	40.6	113.0	312.00	VERTICAL



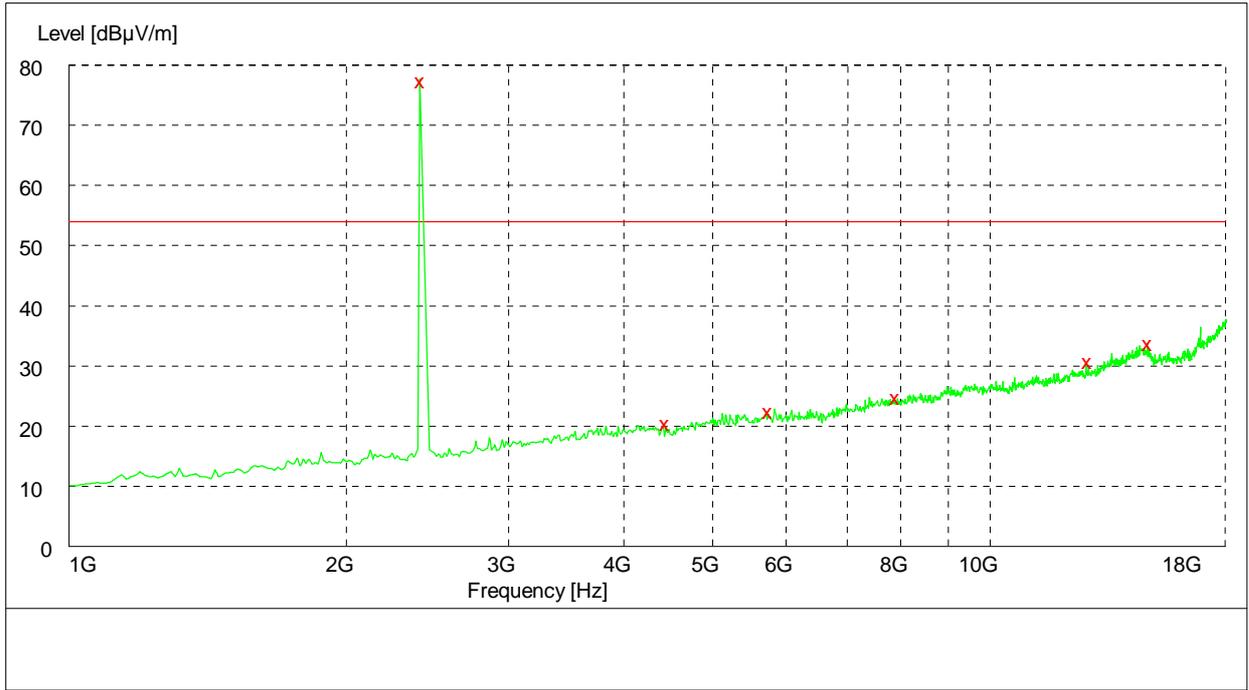
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
40.020000	24.40	13.1	40.0	15.6	284.0	60.00	VERTICAL
53.520000	21.80	12.7	40.0	18.2	252.0	319.00	VERTICAL
101.580000	21.10	13.0	43.5	22.4	242.0	276.00	HORIZONTAL
206.580000	27.70	12.2	43.5	15.8	242.0	77.00	HORIZONTAL
365.520000	31.80	17.4	46.0	14.2	113.0	170.00	HORIZONTAL
941.220000	37.10	26.5	46.0	8.1	205.0	232.00	VERTICAL



1GHz to 18GHz

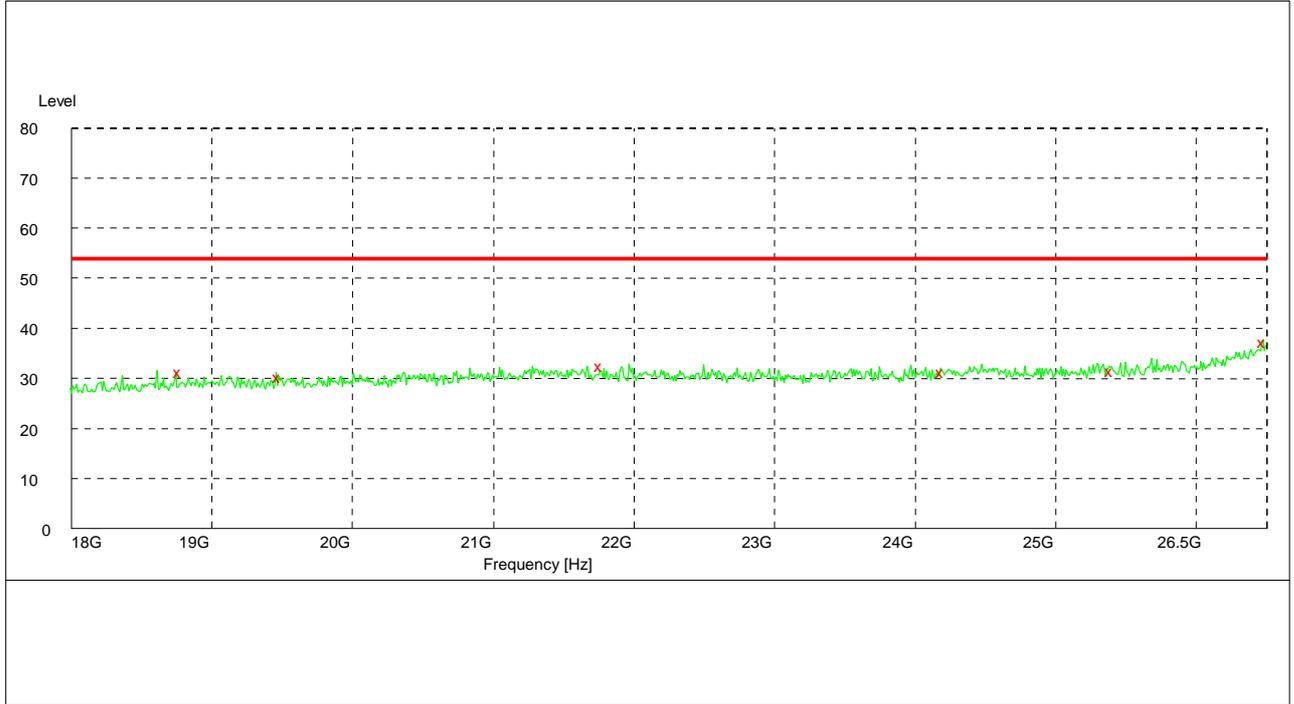


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2442.000000	78.60	-11.4	54.0	-24.6	183.0	86.00	HORIZONTAL
4400.000000	20.10	-5.7	54.0	33.9	171.0	9.00	VERTICAL
5812.000000	21.90	-1.9	54.0	32.1	135.0	151.00	VERTICAL
7915.500000	25.30	1.8	54.0	28.7	104.0	233.00	VERTICAL
12667.000000	30.50	8.3	54.0	23.5	124.0	182.00	HORIZONTAL
14758.500000	34.60	11.5	54.0	19.4	138.0	180.00	VERTICAL



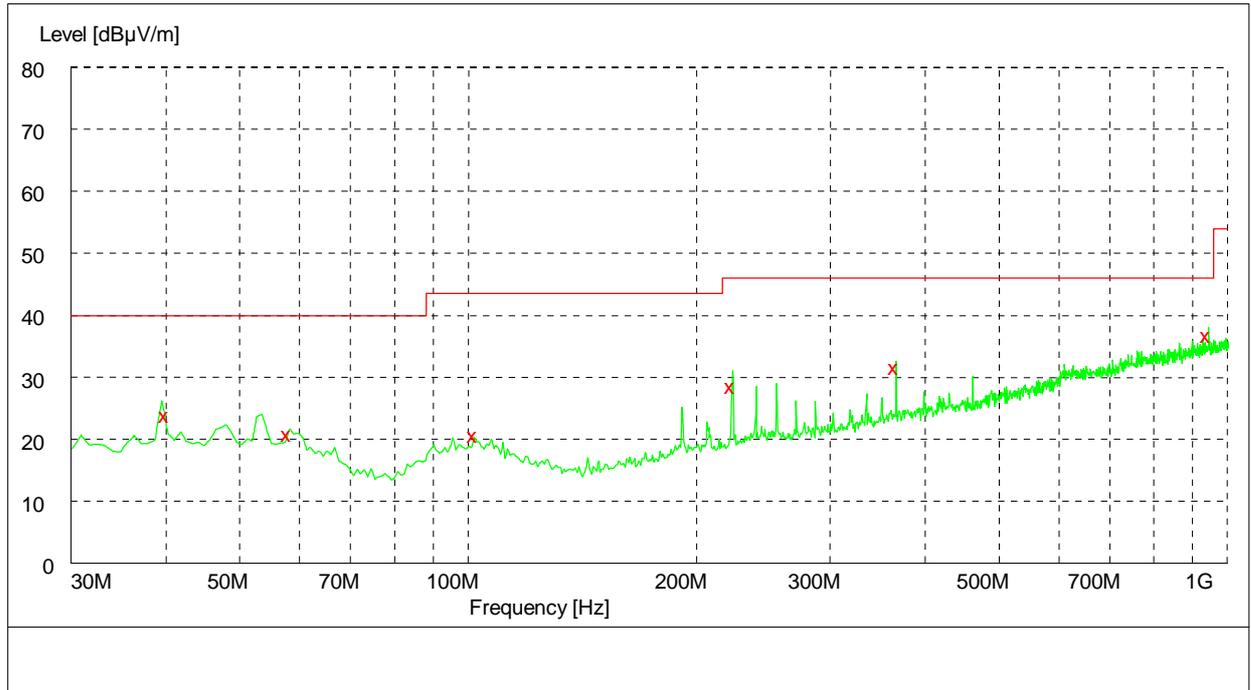
18GHz to 26GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
18776.000000	30.60	18.5	54.0	23.4	183.0	105.00	VERTICAL
19492.000000	30.00	18.9	54.0	24.0	144.0	192.00	HORIZONTAL
21782.000000	32.10	20.5	54.0	21.9	107.0	280.00	VERTICAL
24188.000000	30.90	21.5	54.0	23.1	196.0	128.00	HORIZONTAL
25289.000000	30.80	23.1	54.0	23.2	113.0	171.00	HORIZONTAL
26492.000000	38.30	27.9	54.0	15.7	197.0	300.00	VERTICAL



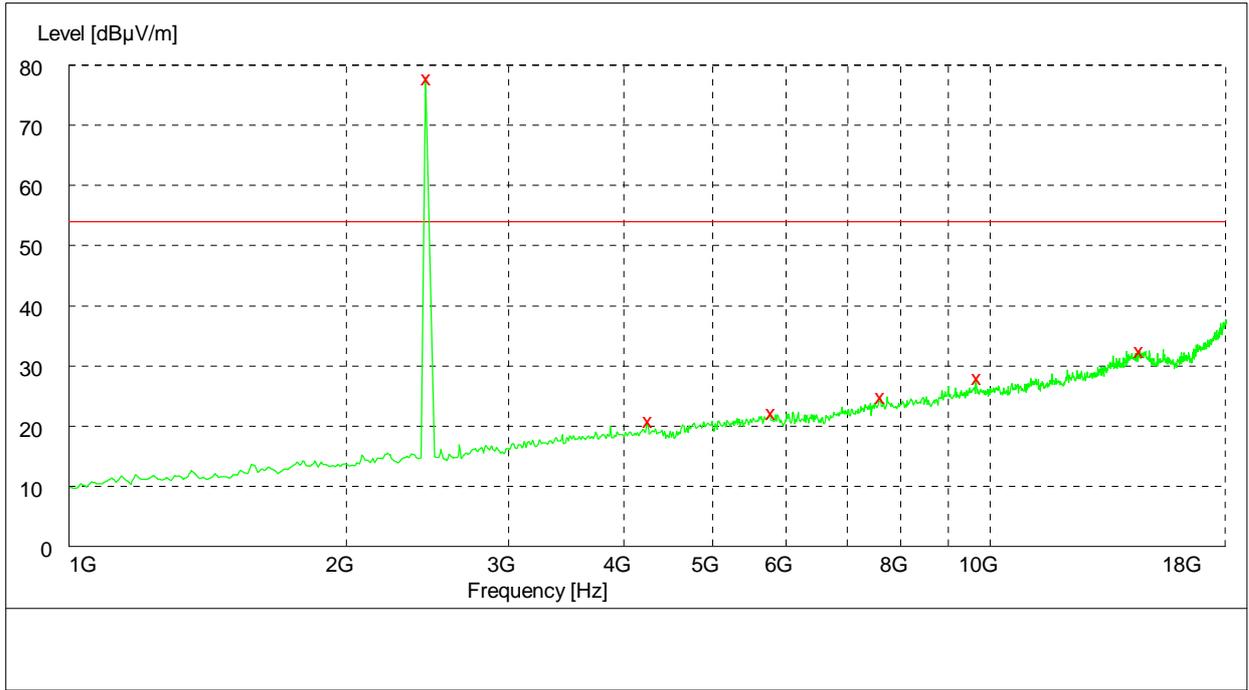
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
40.020000	24.40	13.1	40.0	15.6	288.0	117.00	VERTICAL
58.020000	21.30	12.4	40.0	18.7	174.0	198.00	VERTICAL
101.820000	21.20	12.9	43.5	22.3	165.0	17.00	HORIZONTAL
222.420000	29.20	13.1	46.0	15.8	207.0	148.00	HORIZONTAL
365.400000	31.60	17.4	46.0	14.4	136.0	63.00	HORIZONTAL
941.220000	37.40	26.5	46.0	8.6	265.0	337.00	VERTICAL



1GHz to 18GHz

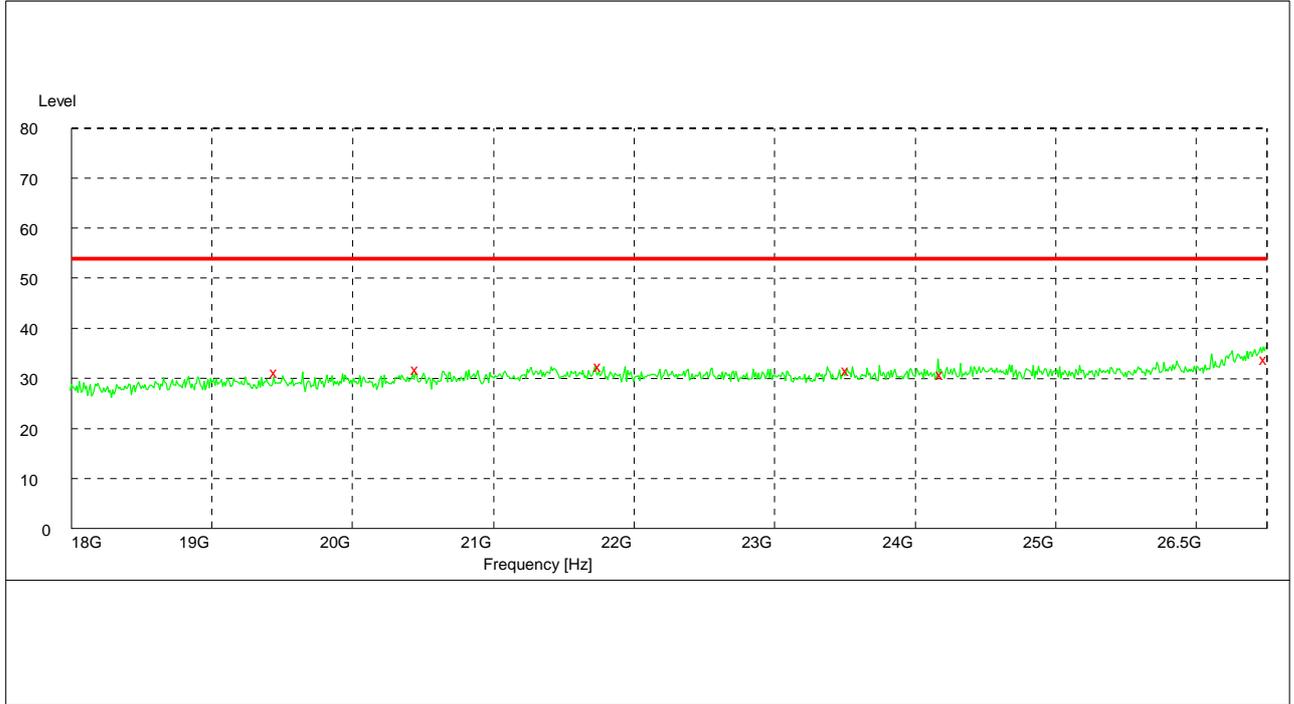


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2480.000000	78.50	-11.3	54.0	-24.5	186.0	113.00	HORIZONTAL
4224.000000	20.20	-5.4	54.0	33.8	113.0	88.00	VERTICAL
5830.500000	21.60	-1.8	54.0	32.4	188.0	252.00	VERTICAL
7704.500000	24.50	1.7	54.0	29.5	122.0	179.00	HORIZONTAL
9625.000000	27.80	5.1	54.0	26.2	160.0	117.00	HORIZONTAL
14523.500000	31.50	12.3	54.0	22.5	115.0	269.00	HORIZONTAL



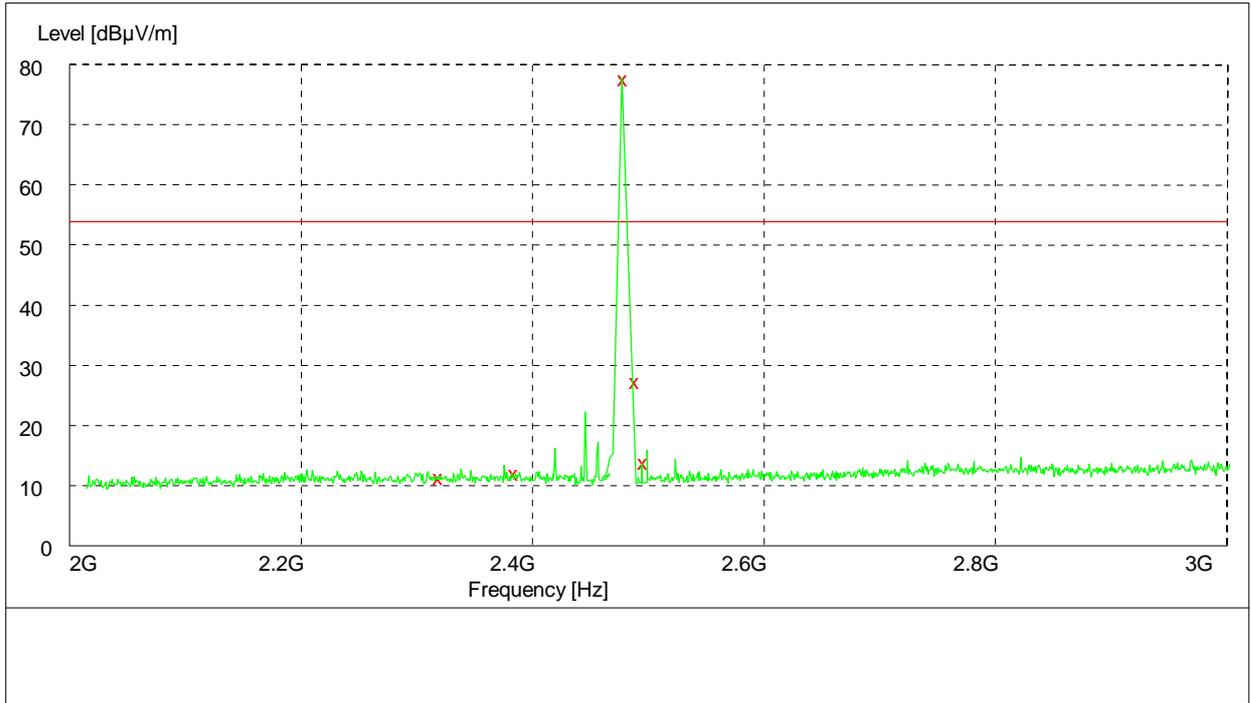
18GHz to 26GHz



Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
19484.000000	30.50	18.9	54.0	23.5	159.0	89.00	HORIZONTAL
20481.000000	30.90	19.7	54.0	23.1	172.0	64.00	HORIZONTAL
21782.000000	31.10	20.5	54.0	22.9	164.0	234.00	HORIZONTAL
23536.000000	30.70	20.5	54.0	23.3	186.0	134.00	VERTICAL
24216.000000	30.30	21.5	54.0	23.7	114.0	227.00	HORIZONTAL
26497.000000	34.30	27.9	54.0	19.7	113.0	108.00	VERTICAL



2GHz to 3GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	11.70	-11.9	54.0	42.3	158.0	262.00	VERTICAL
2390.000000	12.20	-11.6	54.0	41.8	151.0	273.00	VERTICAL
2480.000000	78.70	-11.3	54.0	-24.7	169.0	59.00	HORIZONTAL
2483.500000	28.20	-11.3	54.0	25.8	184.0	301.00	VERTICAL
2500.000000	13.60	-11.1	54.0	40.4	116.0	178.00	HORIZONTAL



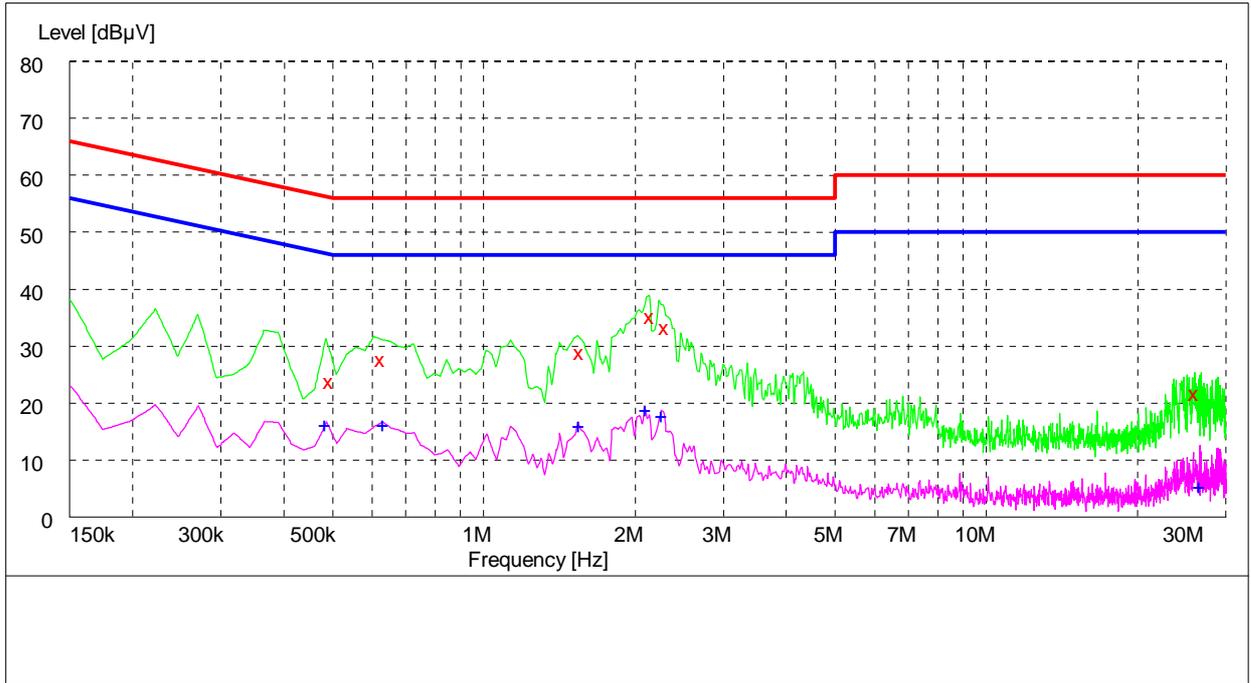
Appendix I

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
0.496500	24.50	10.1	56	31.6	N	FLO
0.623000	27.70	10.1	56	28.3	N	FLO
1.661000	28.30	10.1	56	27.7	N	FLO
2.175500	34.80	10.1	56	21.2	N	FLO
2.333500	33.10	10.1	56	22.9	N	FLO
26.713500	21.60	10.4	60	38.4	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.496500	17.20	10.1	46	28.8	N	FLO
0.625500	17.40	10.1	46	28.6	N	FLO
1.661000	17.70	10.1	46	28.3	N	FLO
2.175500	18.90	10.1	46	27.1	N	FLO
2.333500	17.70	10.1	46	28.3	N	FLO
26.713500	6.00	10.4	50	44.0	N	FLO

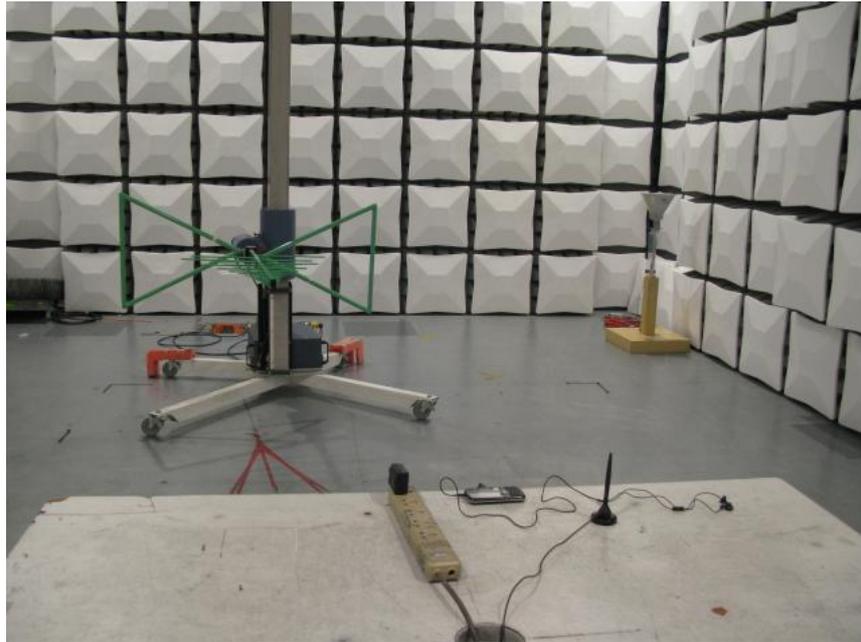


Appendix J

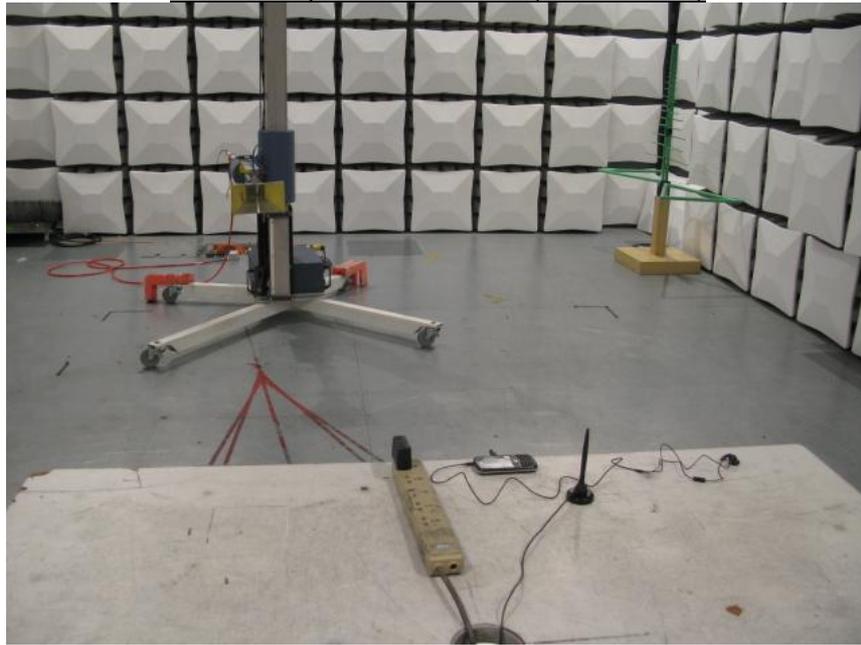
Photos of Test Setup



1 Radiated Spurious Emissions



Radiated Spurious Emission (below 2GHz)



Radiated Spurious Emission (2GHz to18GHz)



Radiated Spurious Emission (above 18GHz)

2 Conducted Emissions



Conducted Emissions for AC Ports