



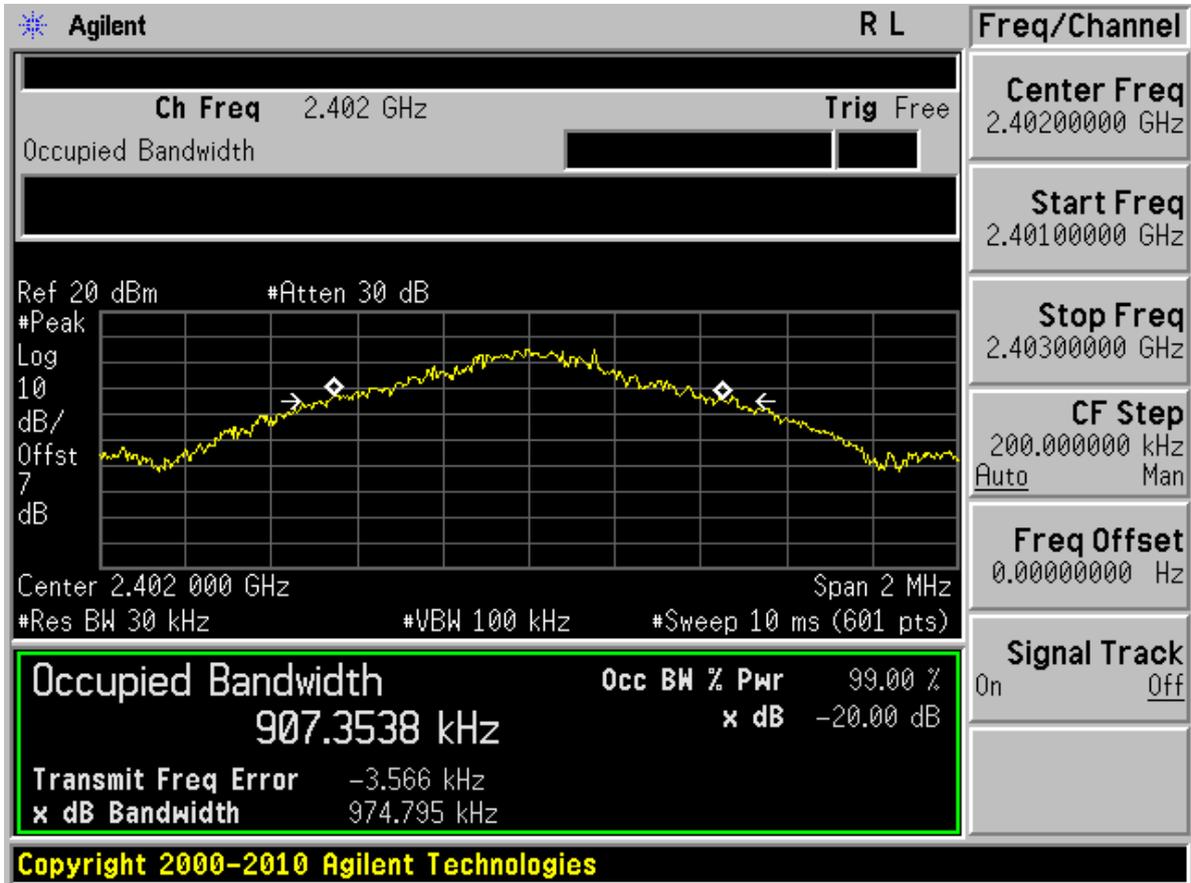
Appendix A

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

Ref 20 dBm #Atten 30 dB

#Peak
Log
10
dB/
Offst
7
dB

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

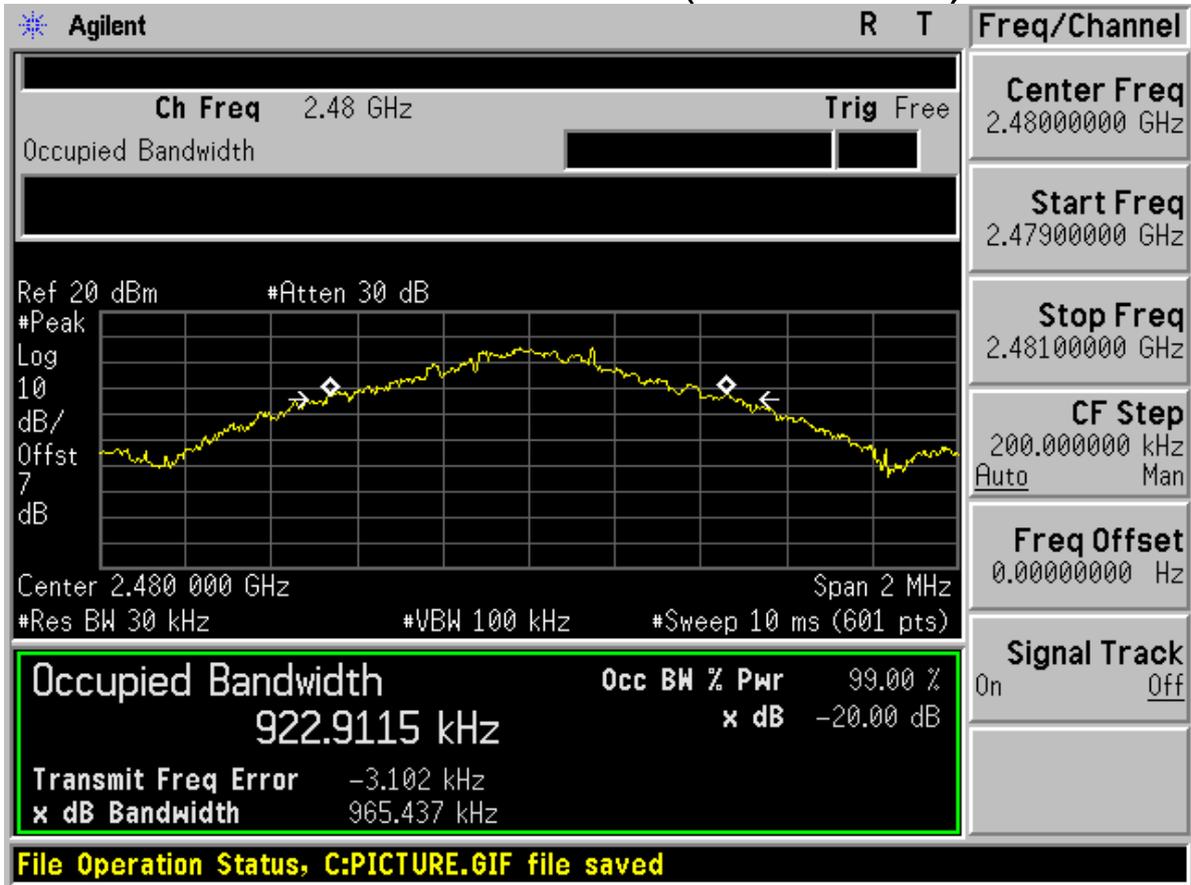
Occupied Bandwidth	Occ BW % Pwr	99.00 %
910.8703 kHz	x dB	-20.00 dB
Transmit Freq Error		-2.714 kHz
x dB Bandwidth		943.472 kHz

File Operation Status, C:PICTURE.GIF file saved

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



Channel 78 (2480MHz)





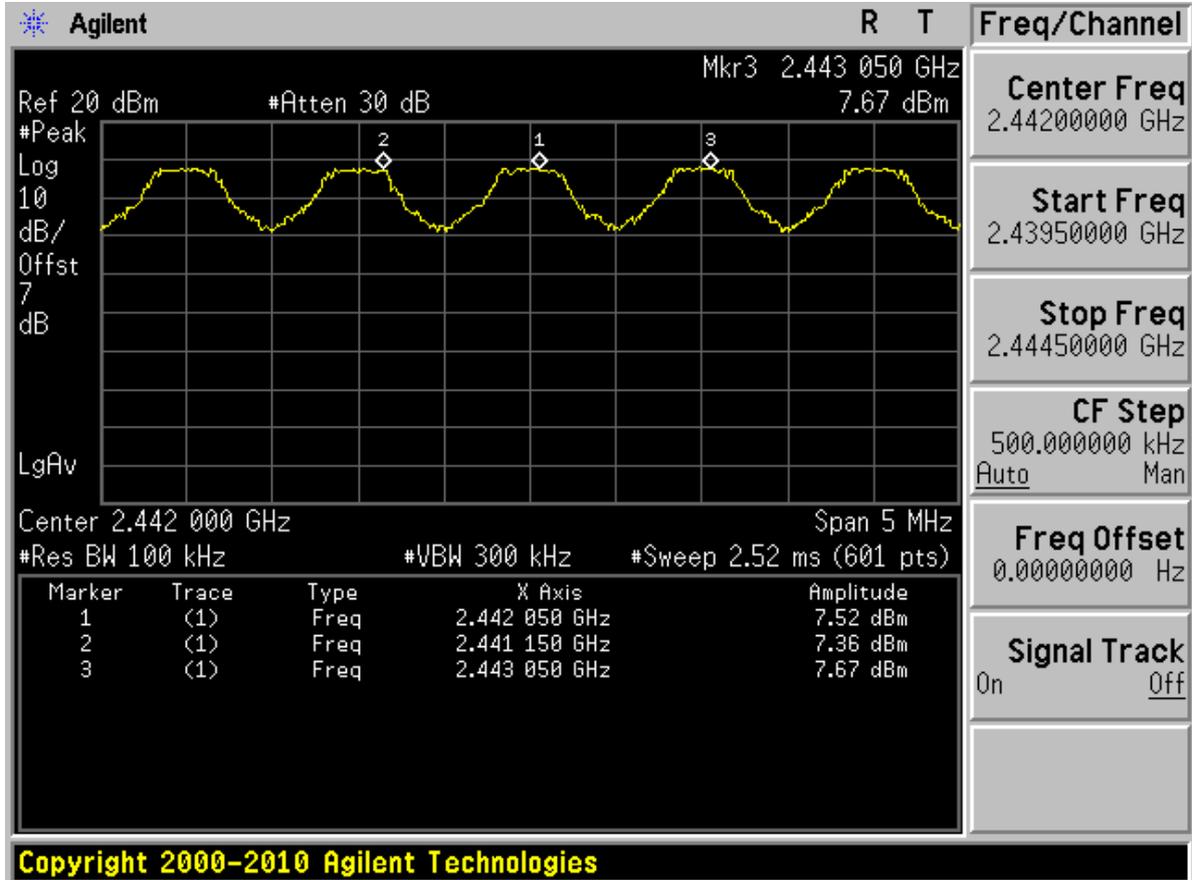
Appendix B

Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



Centred at Channel 40





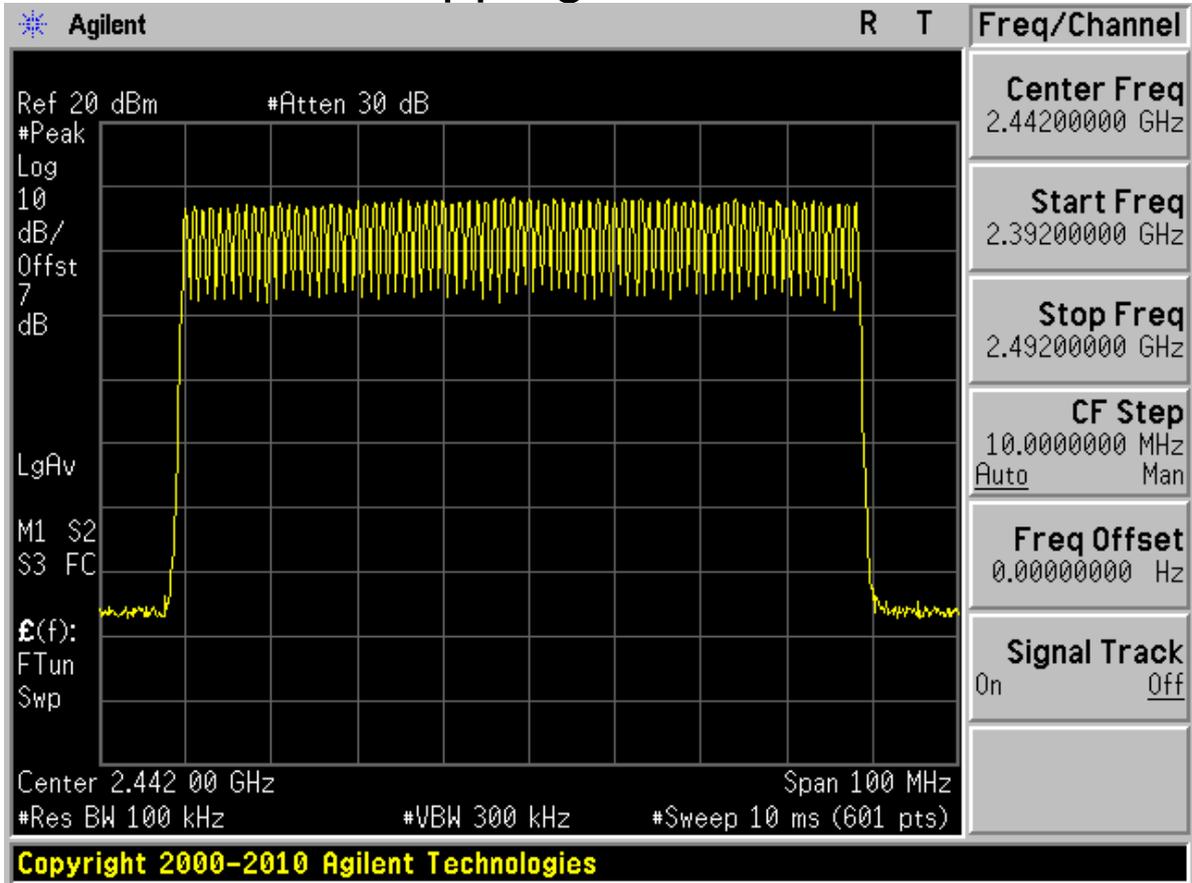
Appendix C

Number of hopping channel

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



Total hopping channels = 79





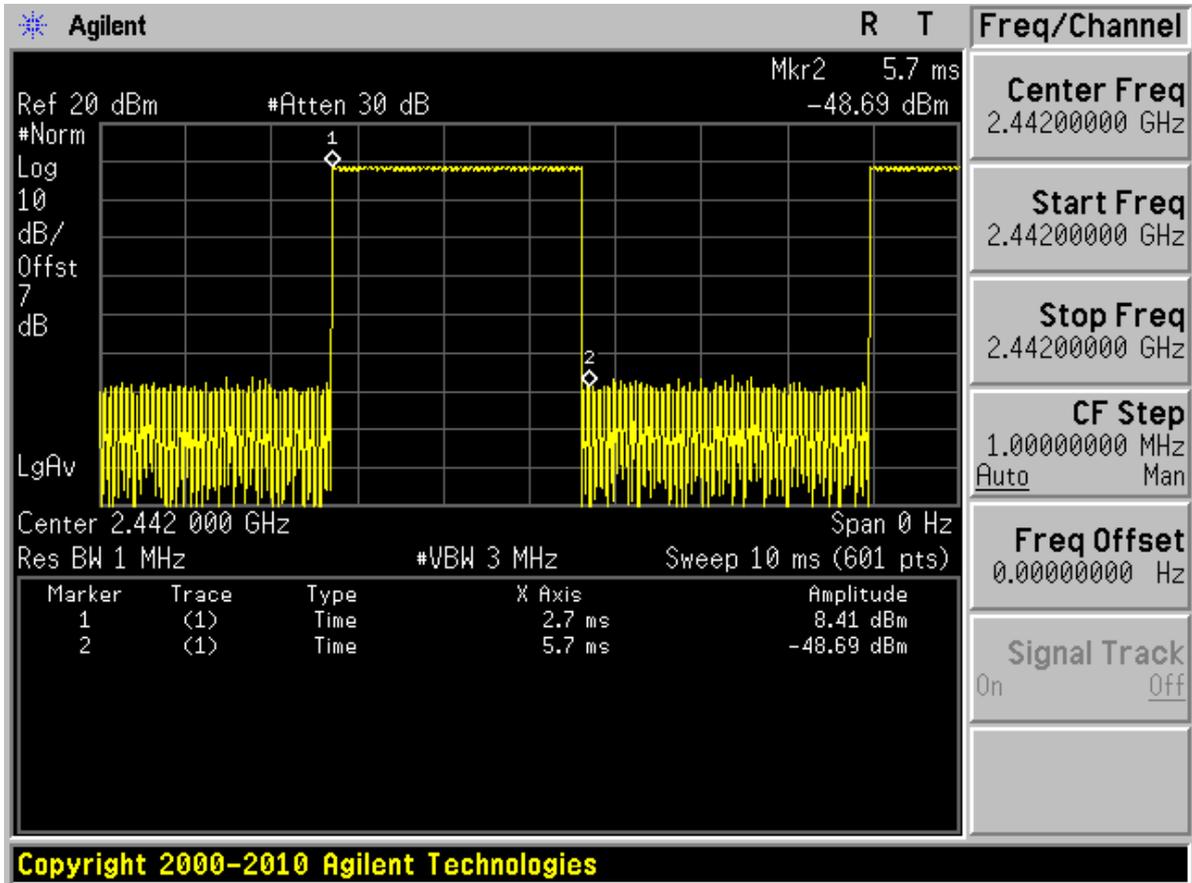
Appendix D

Time of occupancy

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

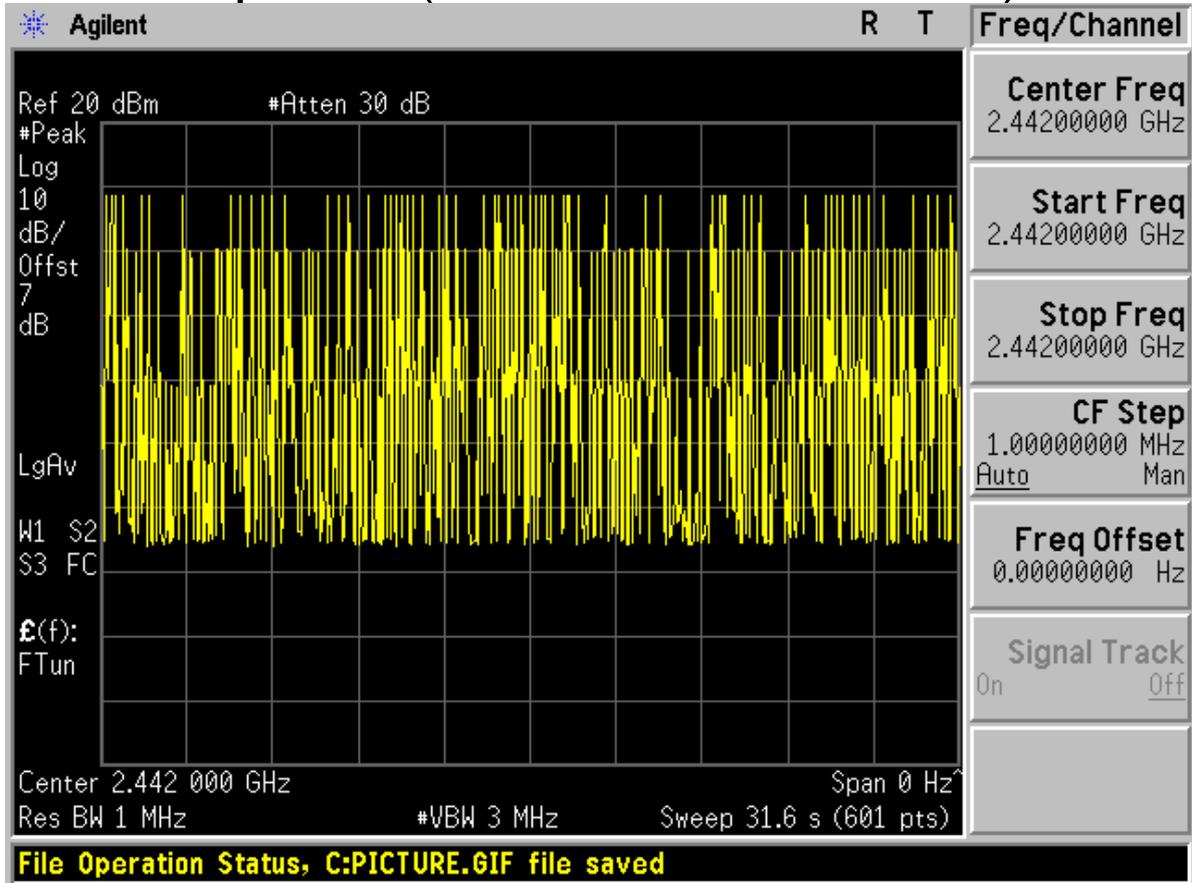


A burst (One time slot)





A period (Less than 106.7 burst)





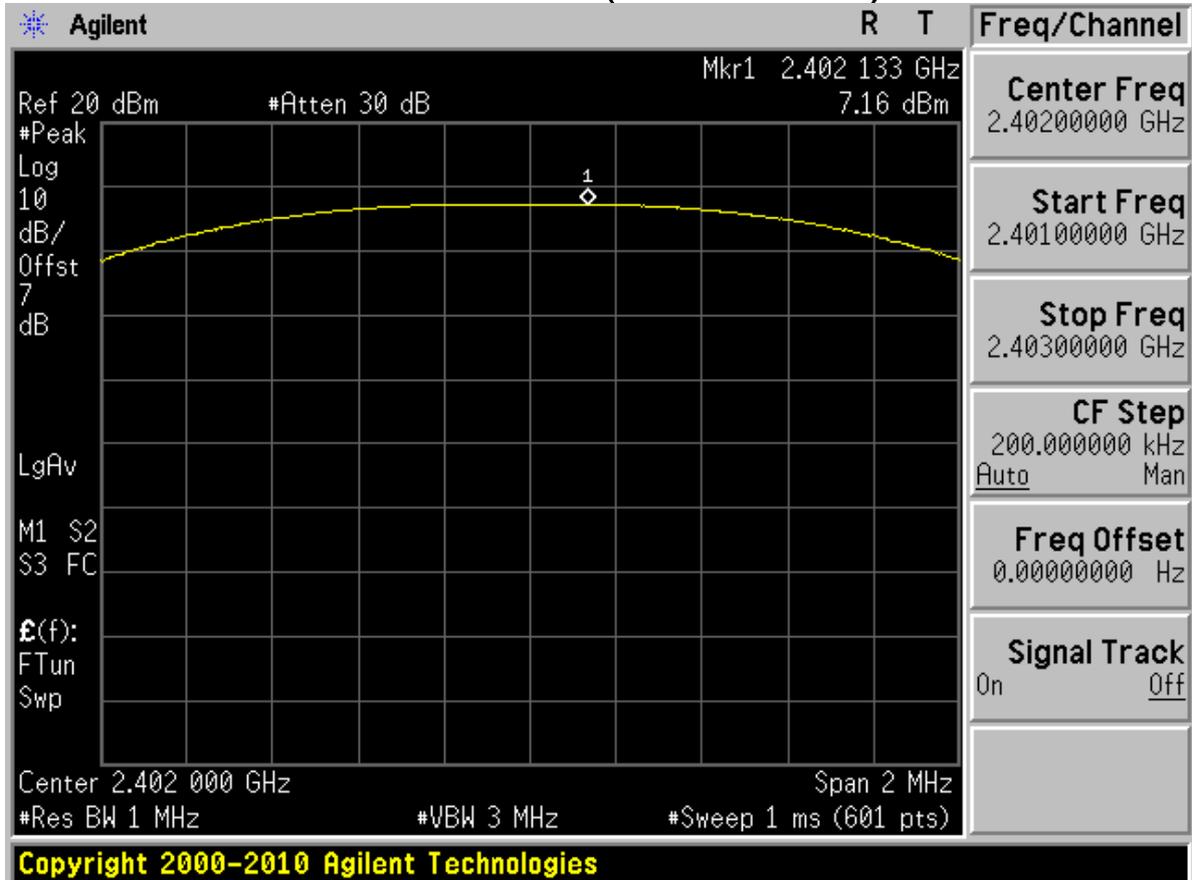
Appendix E

Peak output power

According to FCC Part 15.247 (b) (1)

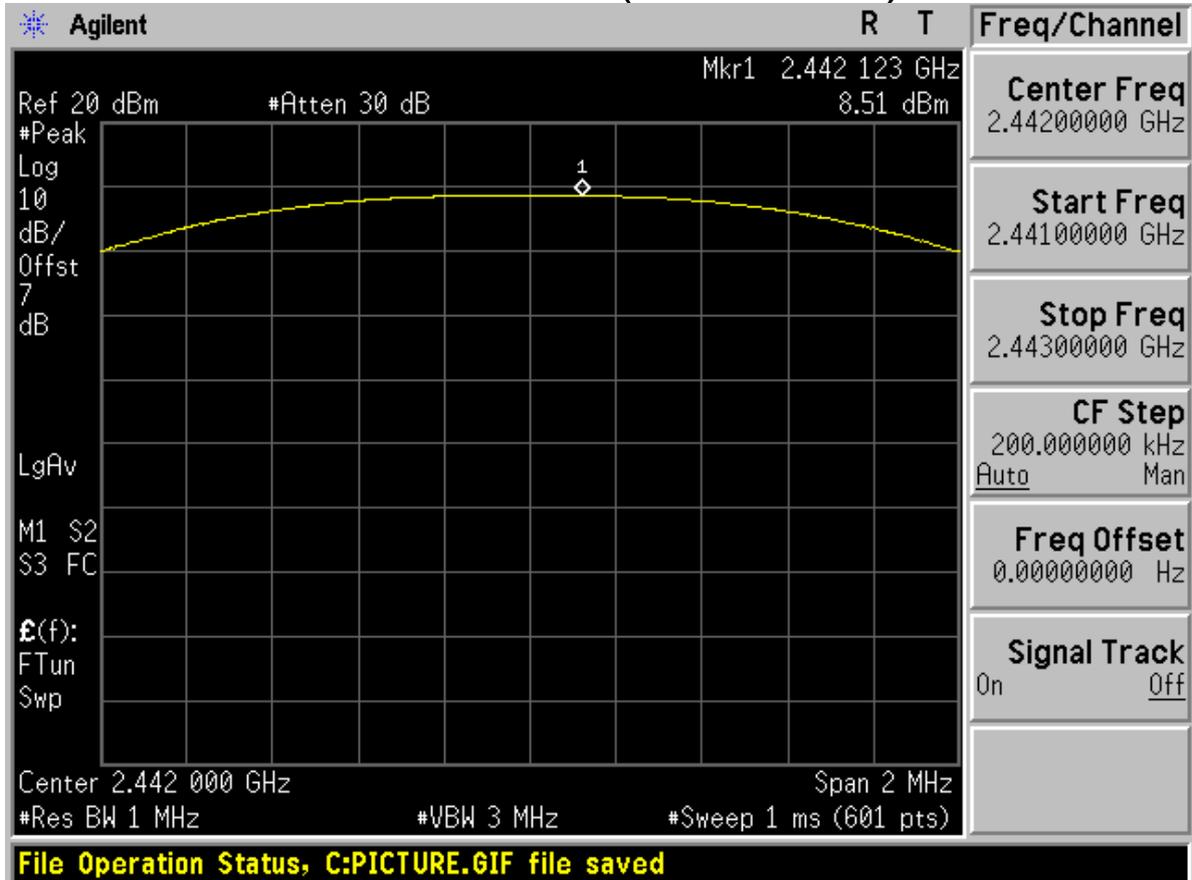


Channel 0 (2402MHz)



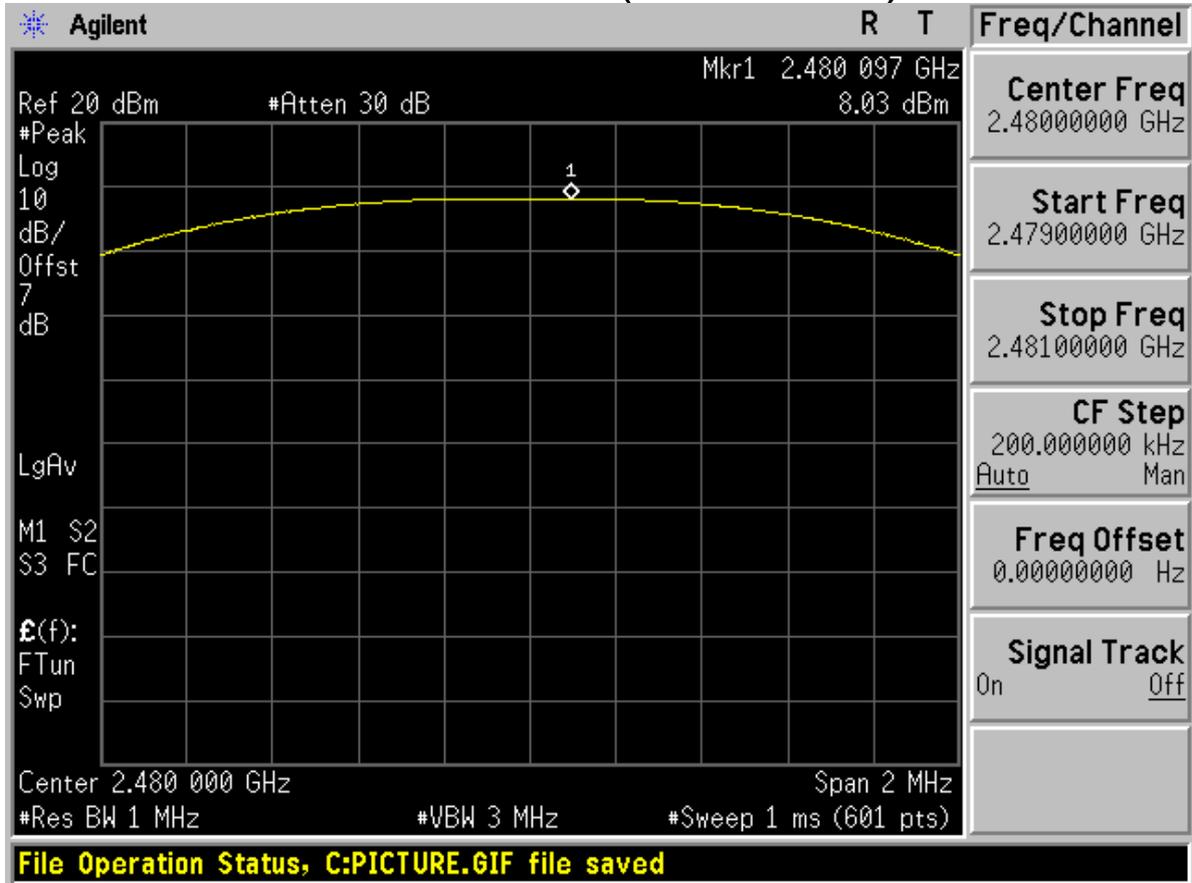


Channel 40 (2442MHz)





Channel 78 (2480MHz)





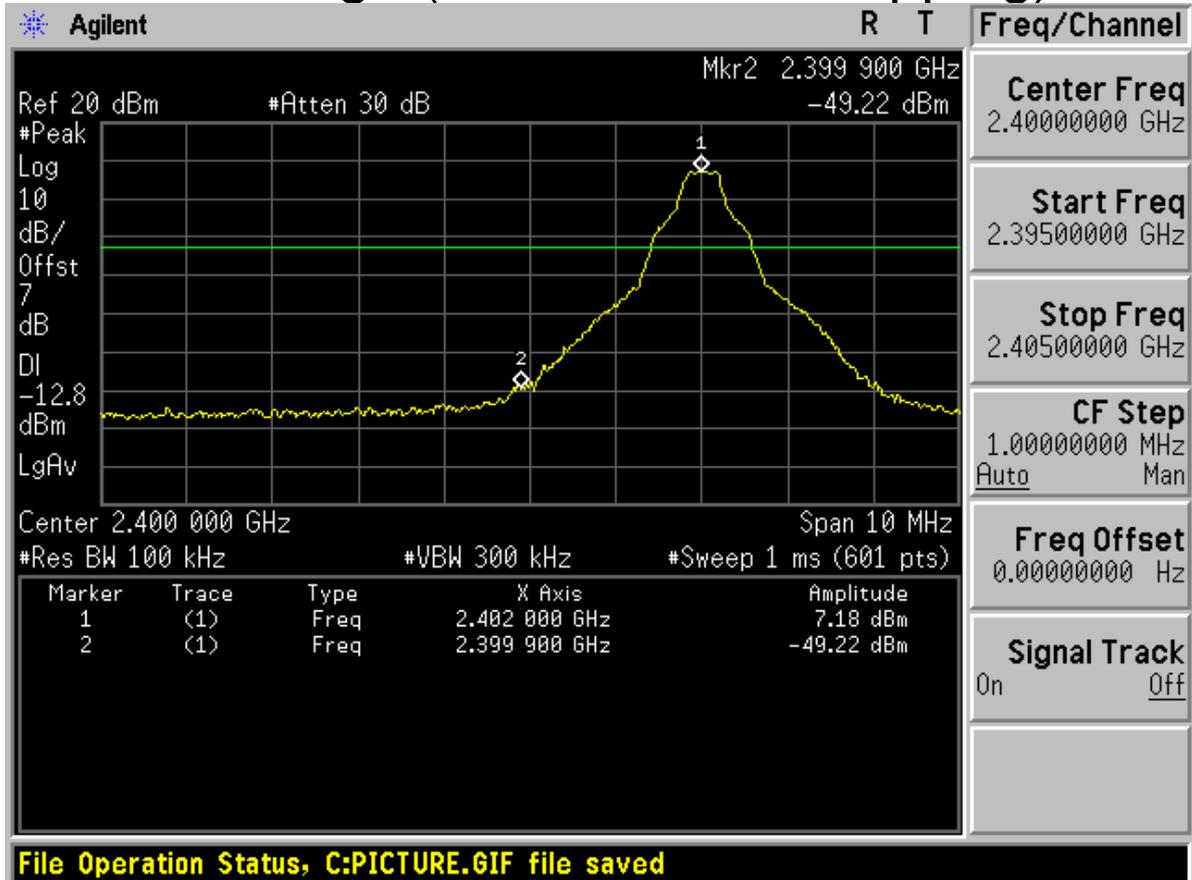
Appendix F

Band edge spurious emission

According to FCC Part 15.247 (d)

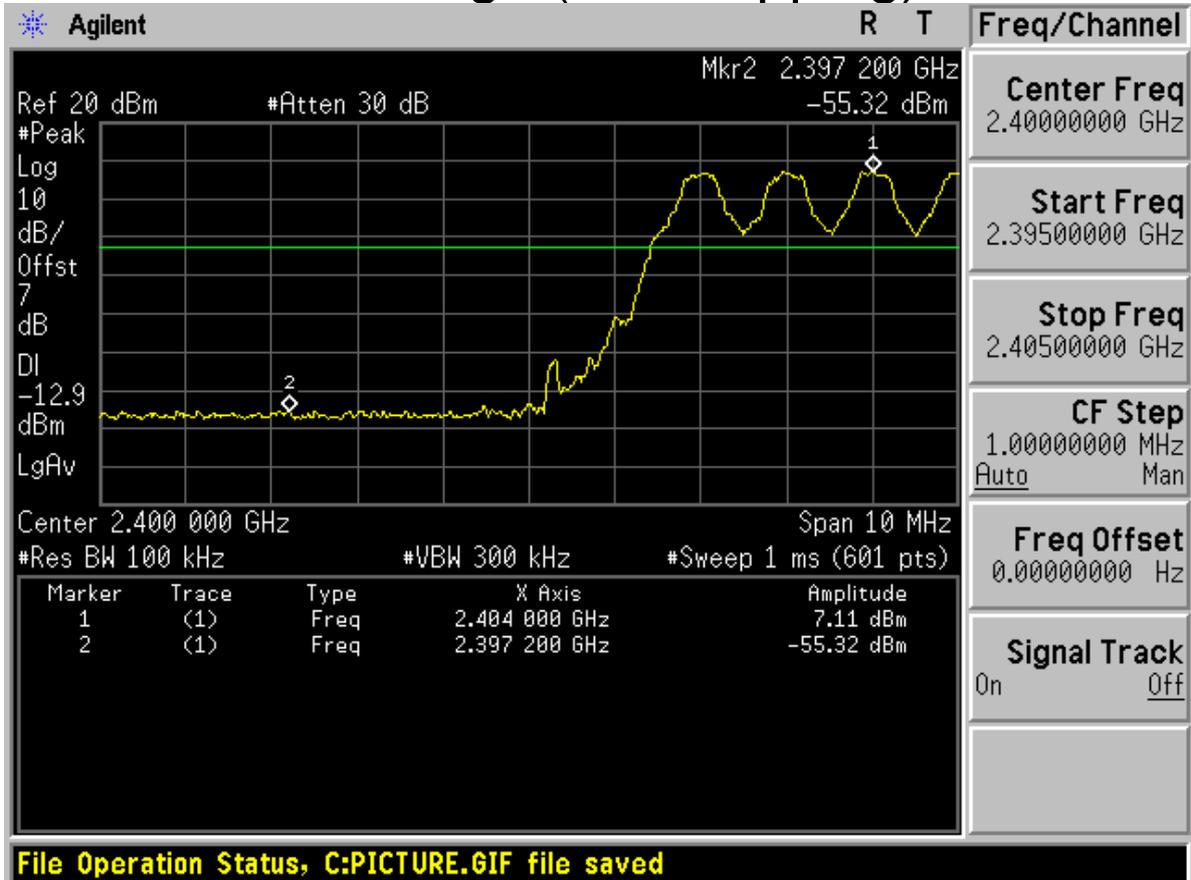


Low edge (Channel 0, no hopping)



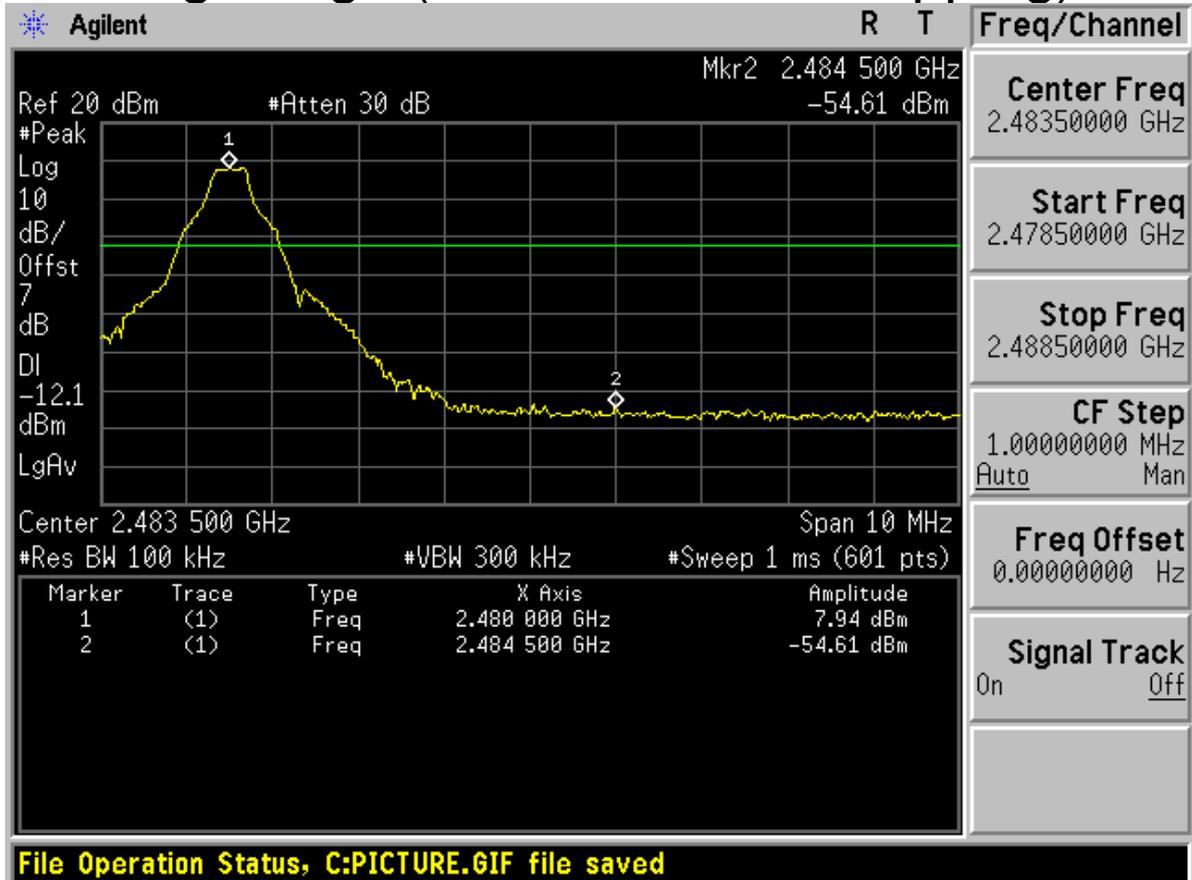


Low edge (with hopping)



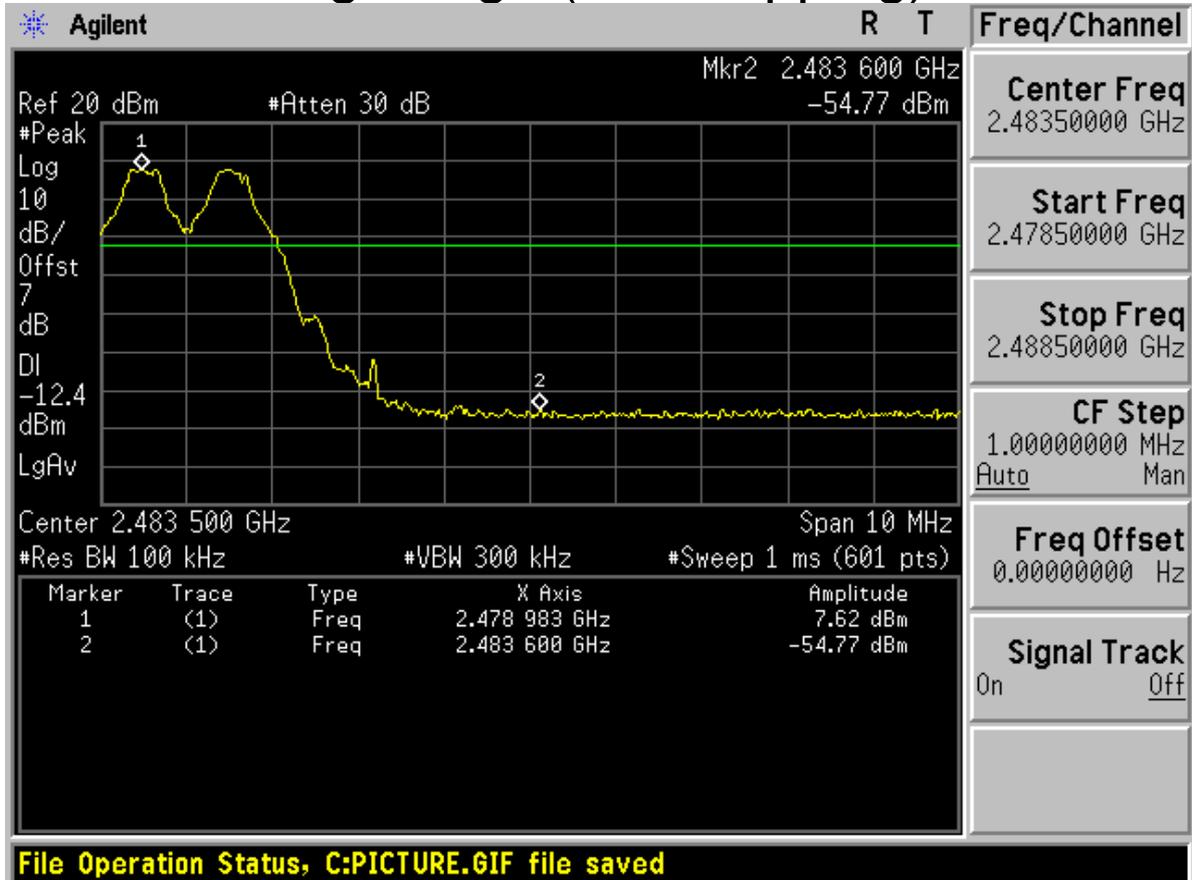


High edge (Channel 78, no hopping)





High edge (with hopping)





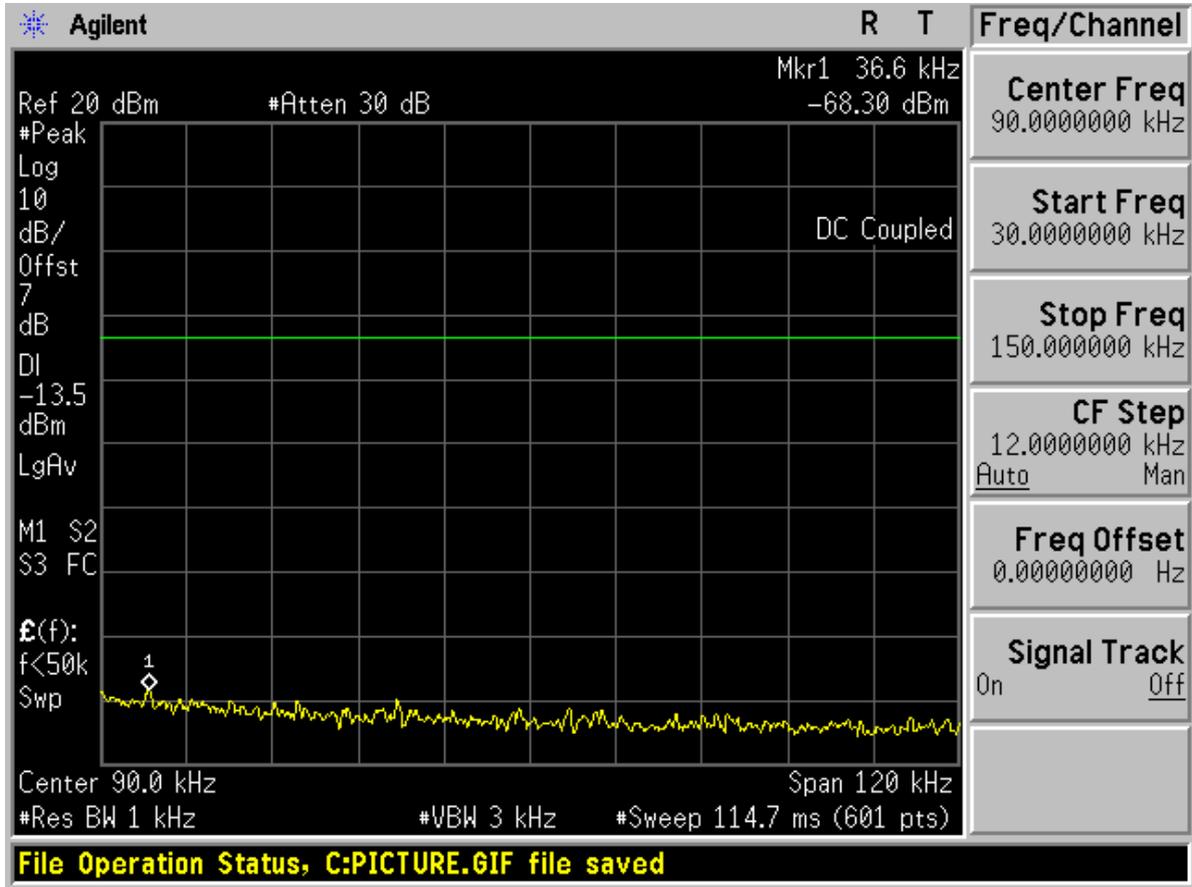
Appendix G

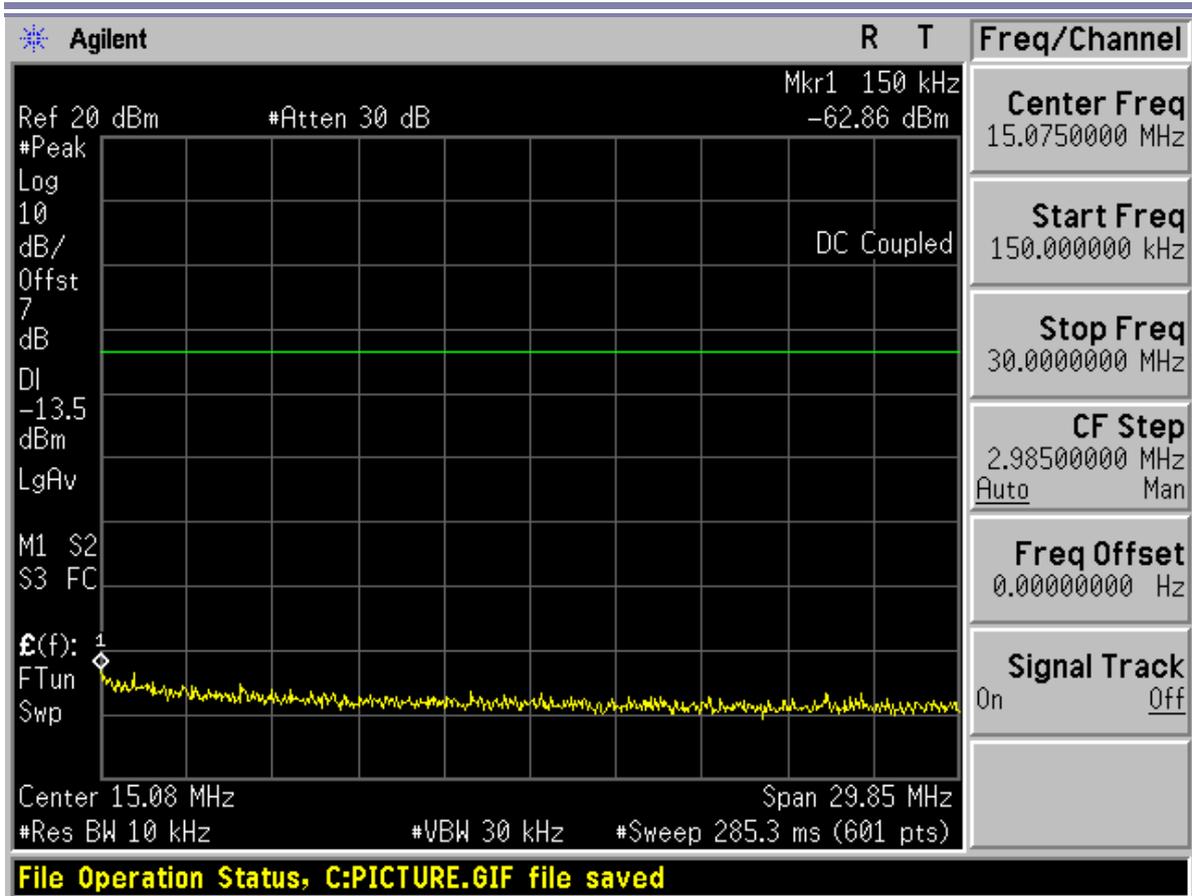
Conducted RF spurious

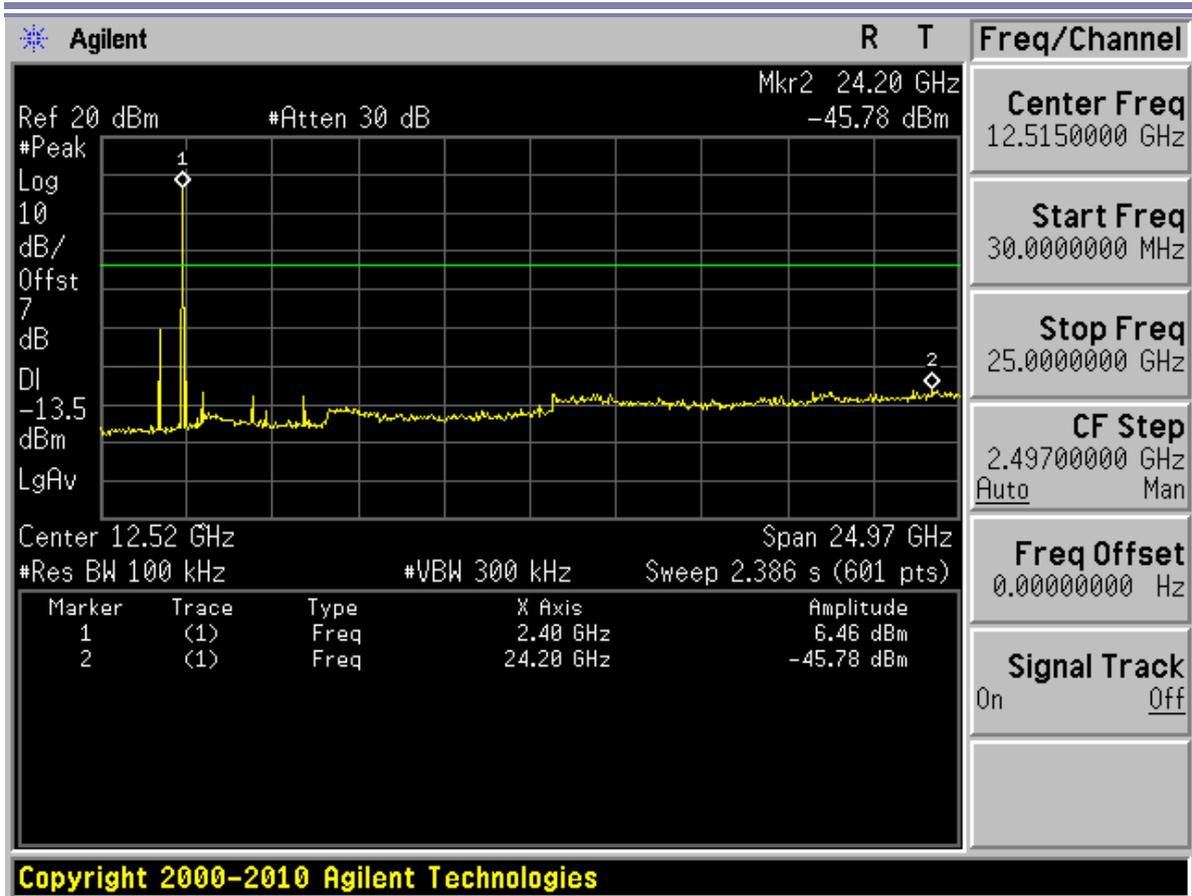
According to FCC Part 15.247 (d)



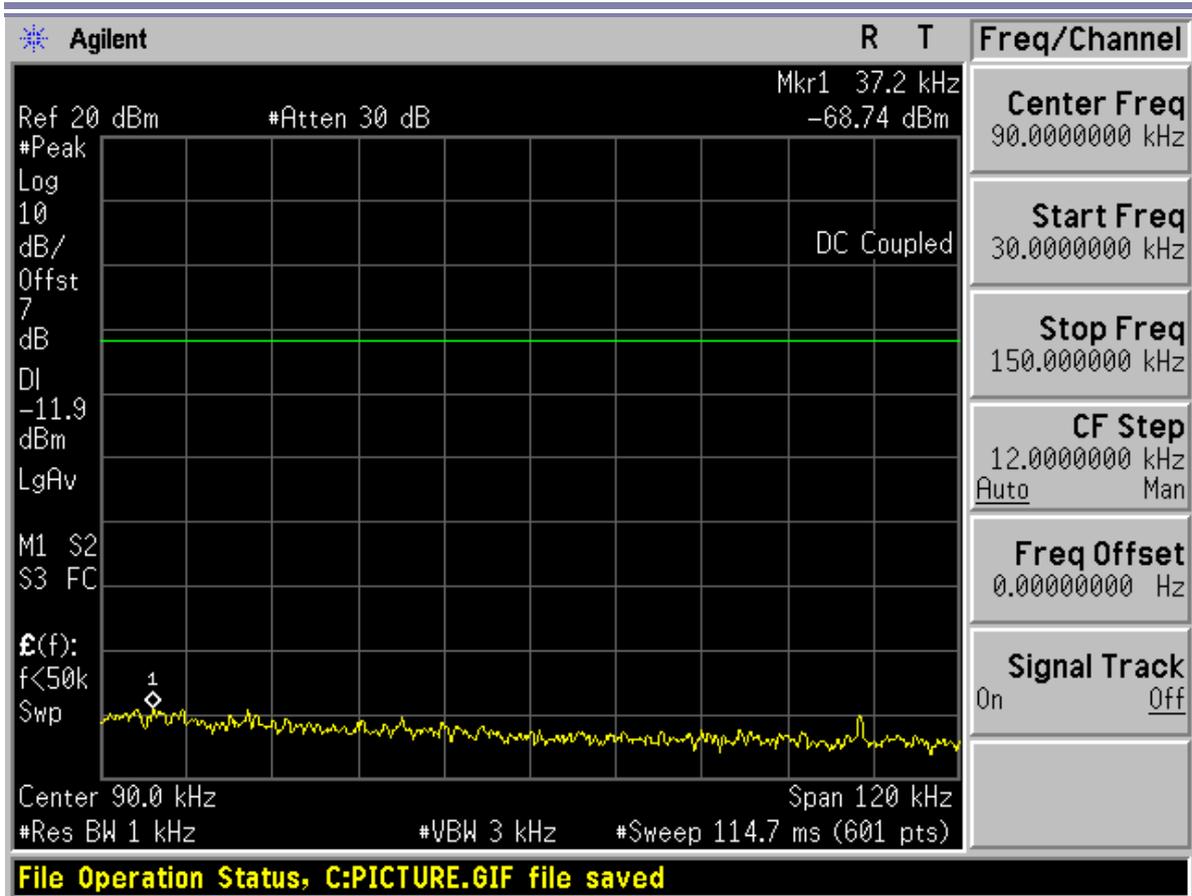
Channel 0

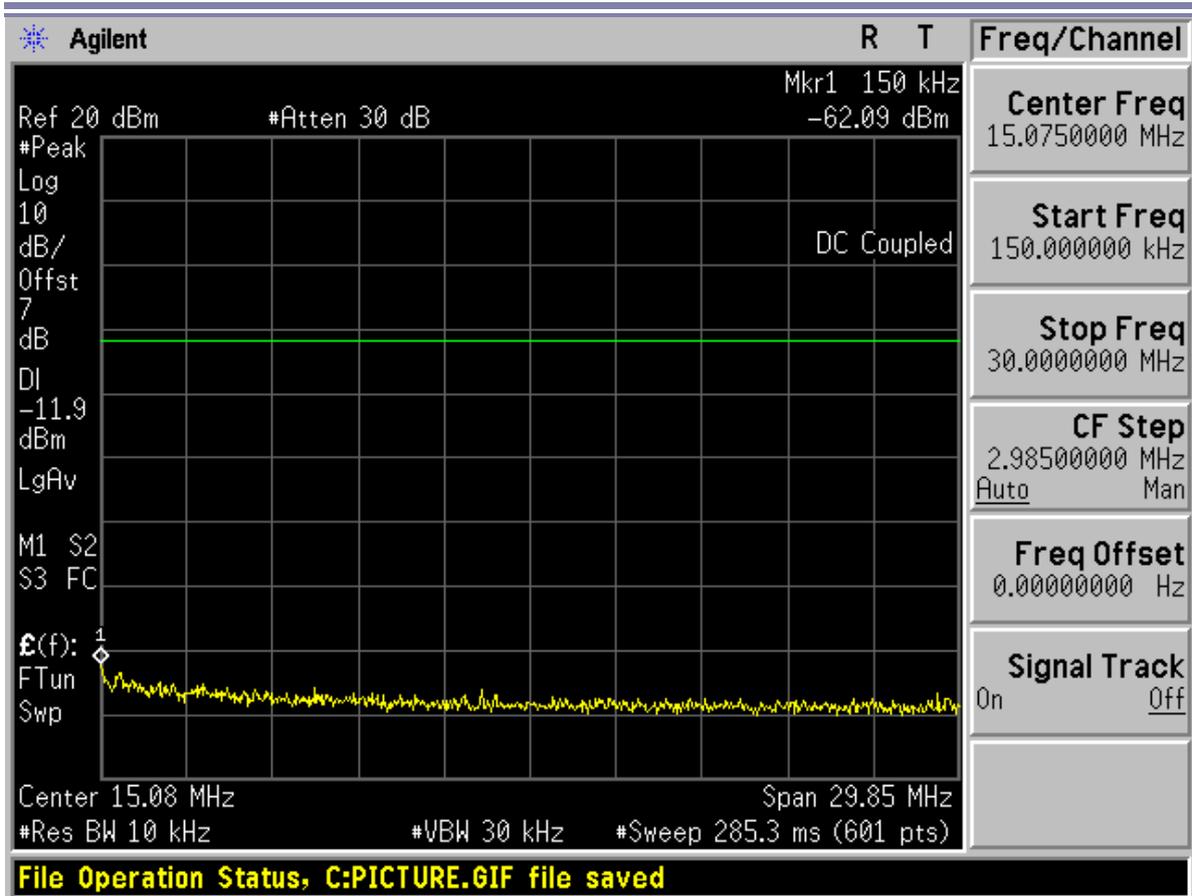


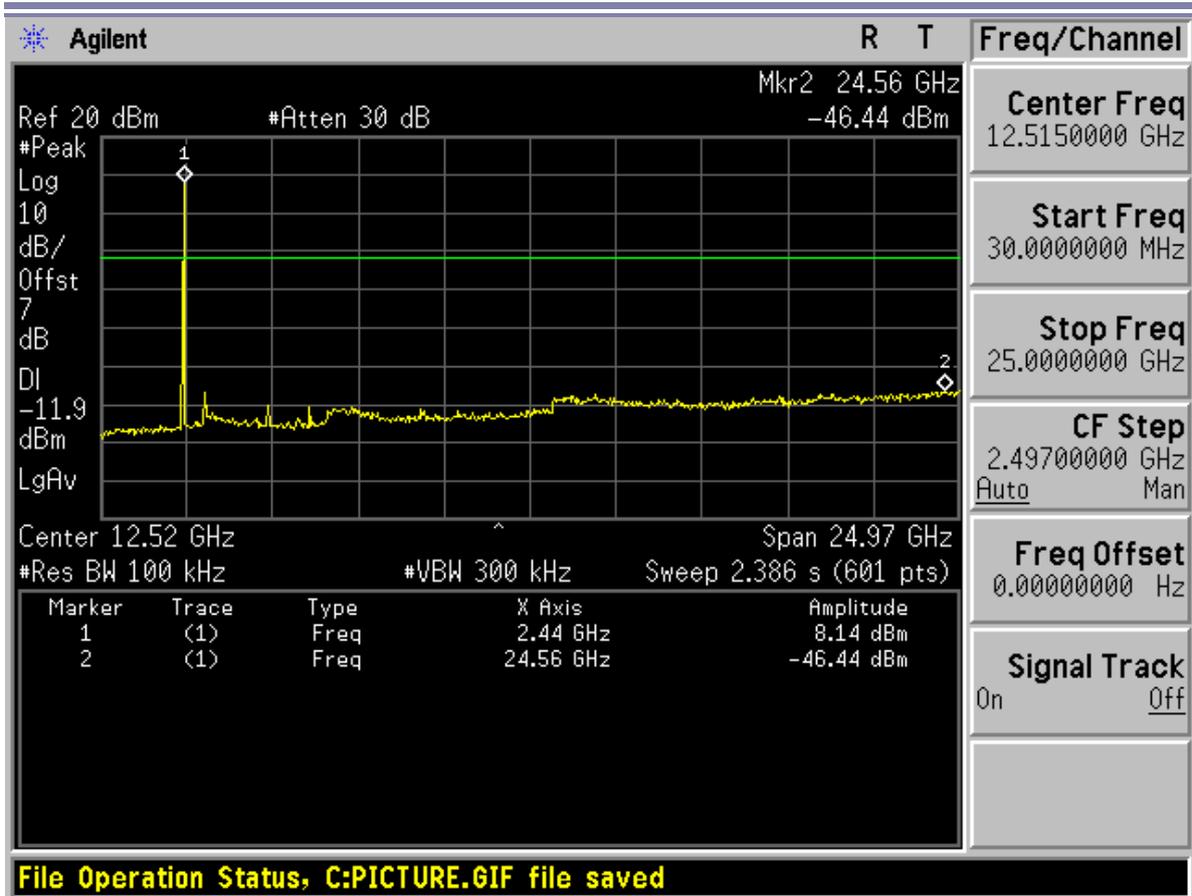




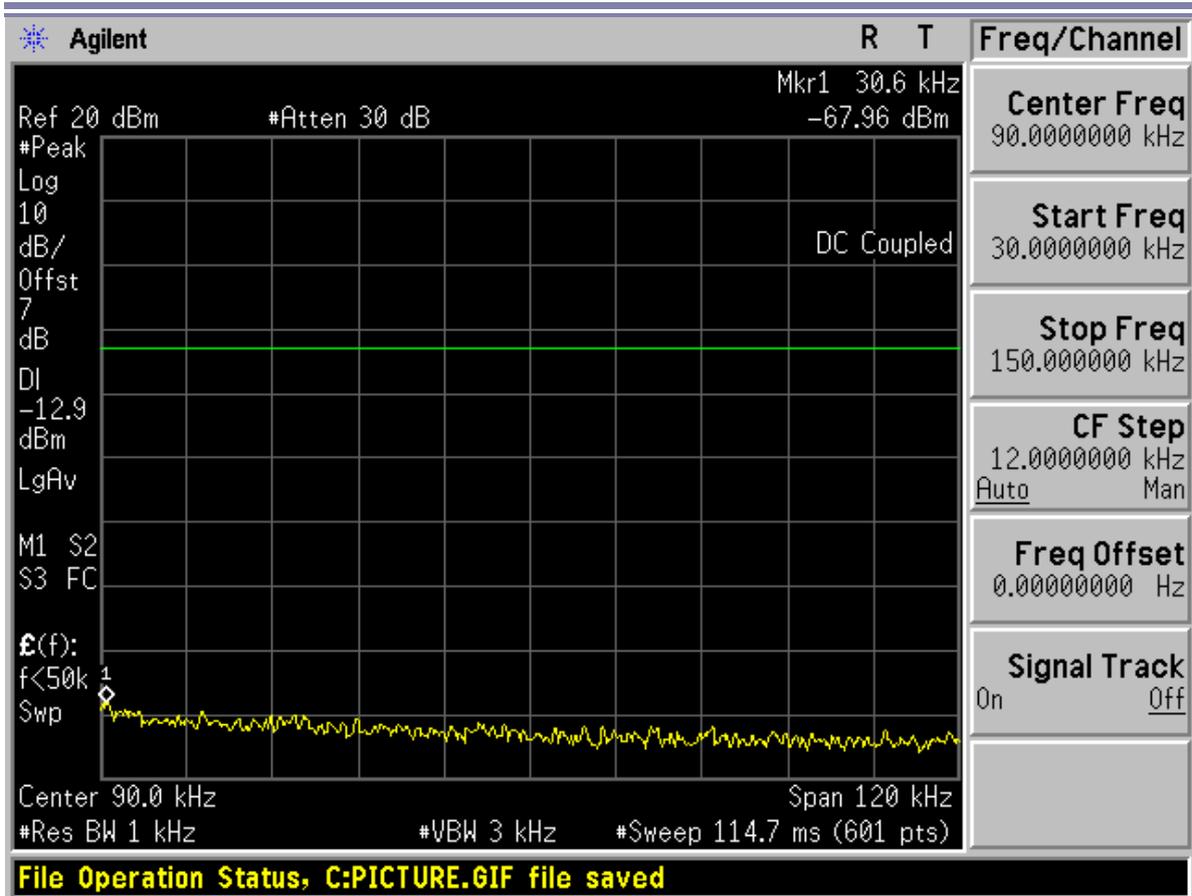
Channel 40

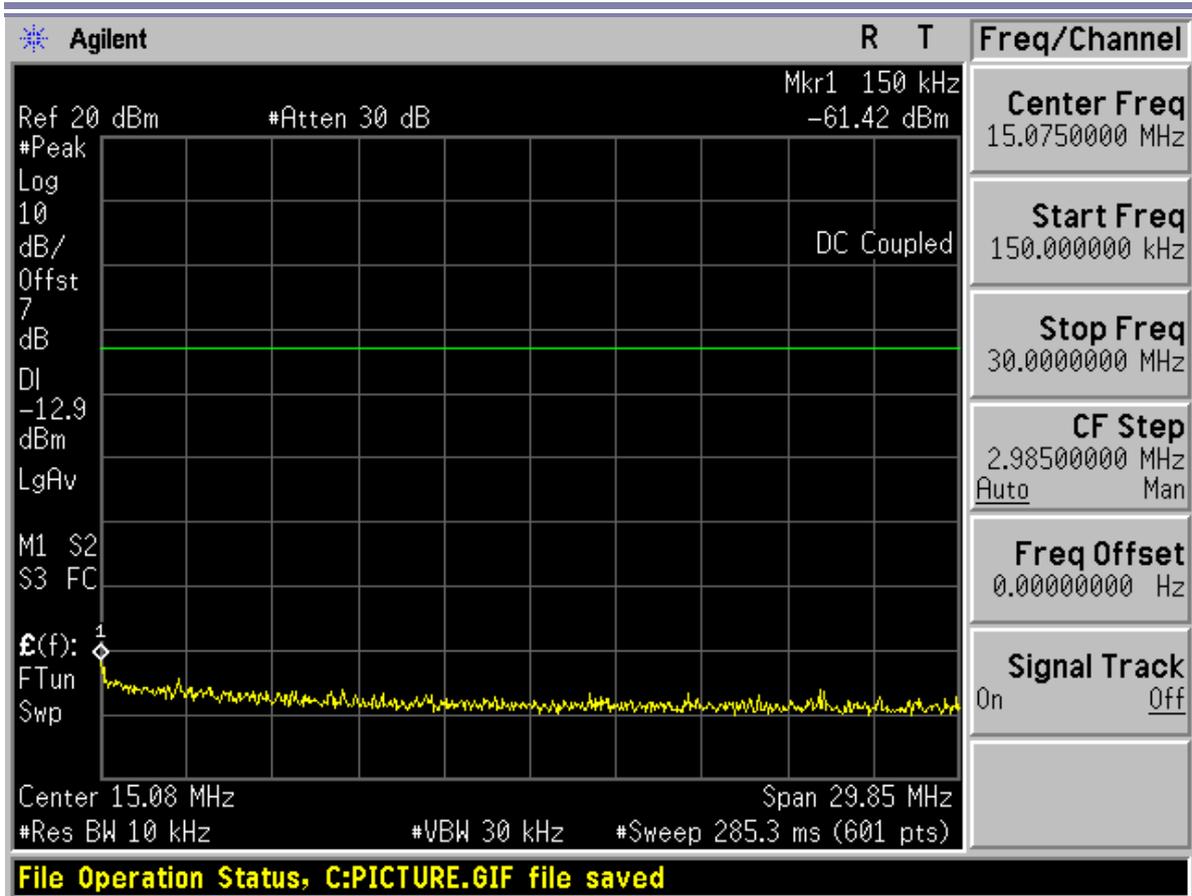


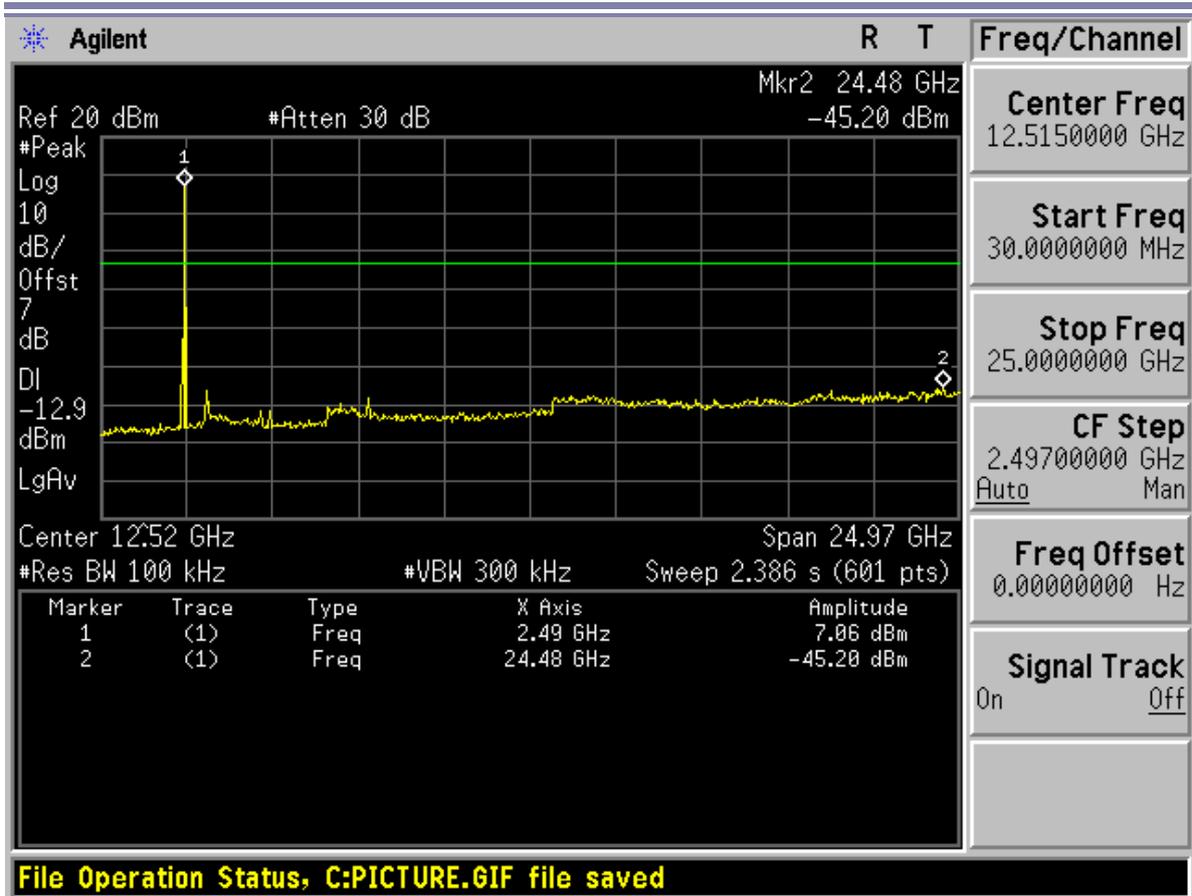




Channel 78









Appendix H

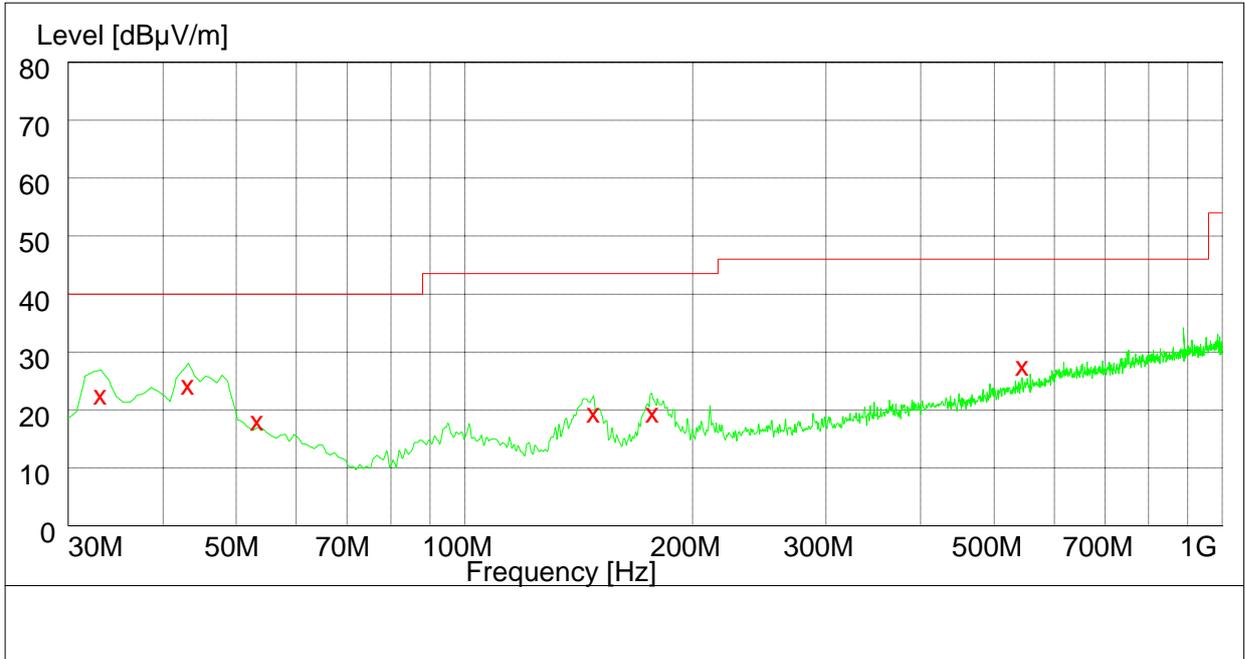
Radiated spurious emission

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



Channel 0

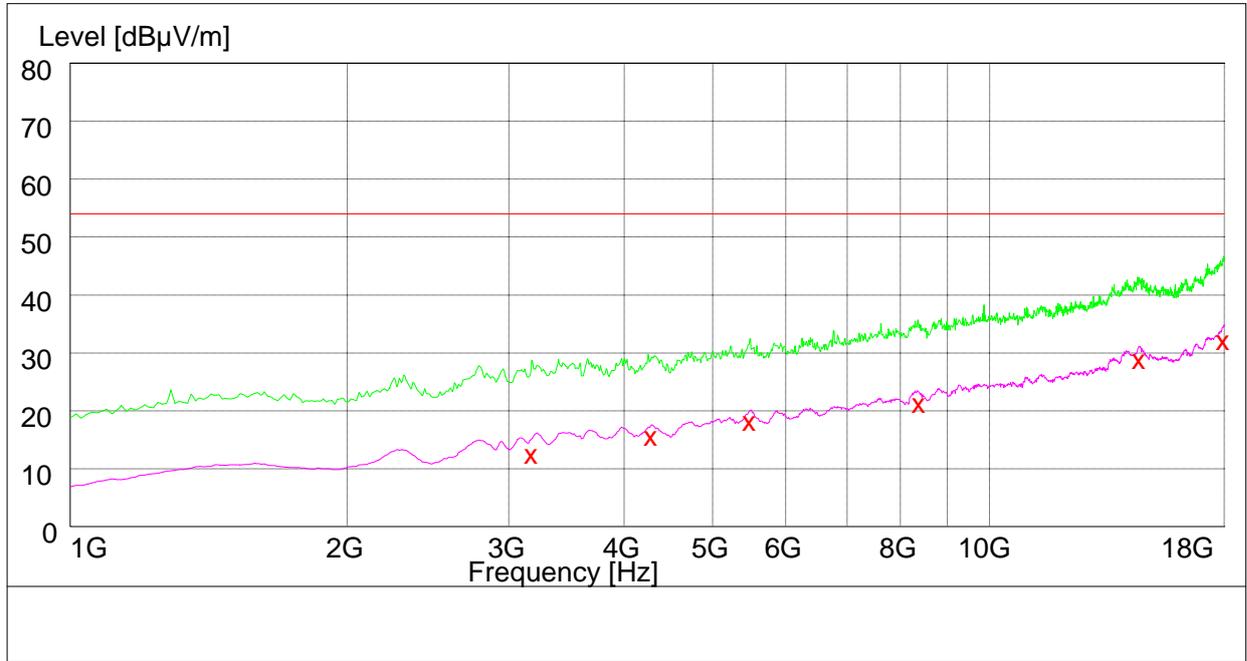
30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.168000	23.80	11.7	40.0	16.2	100.0	167.00	VERTICAL
43.192000	25.40	13.1	40.0	14.6	103.0	343.00	VERTICAL
53.336000	19.30	12.7	40.0	20.7	100.0	76.00	VERTICAL
148.312000	20.60	8.9	43.5	22.9	103.0	340.00	VERTICAL
177.204000	20.60	10.7	43.5	22.9	109.0	359.00	VERTICAL
545.208000	28.70	21.3	46.0	17.3	103.0	274.00	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
3178.500000	13.60	-8.4	54.0	40.4	100.0	130.00	VERTICAL
4284.200000	16.80	-5.1	54.0	37.2	140.0	241.00	HORIZONTAL
5487.000000	19.40	-2.4	54.0	34.6	114.0	315.00	VERTICAL
8388.300000	22.40	2.9	54.0	31.6	100.0	235.00	VERTICAL
14556.700000	30.00	12.2	54.0	24.0	154.0	60.00	VERTICAL
17974.300000	33.30	17.1	54.0	20.7	120.0	264.00	HORIZONTAL

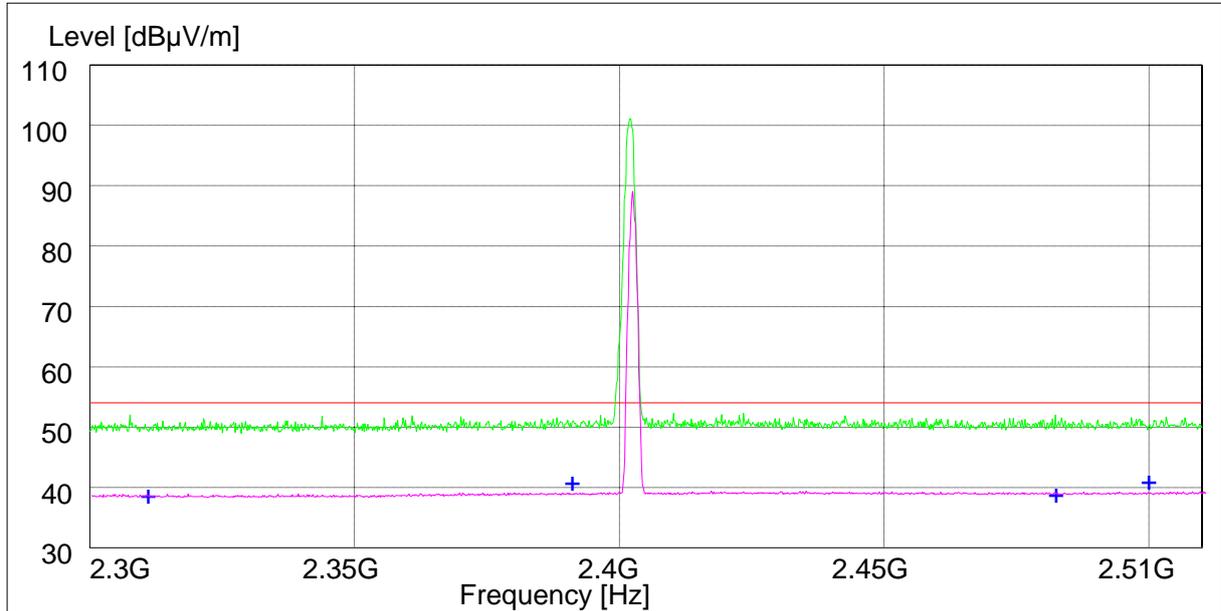


18GHz to 26GHz

Note: No peak found in pre- test.



2.30GHz to 2.51GHz

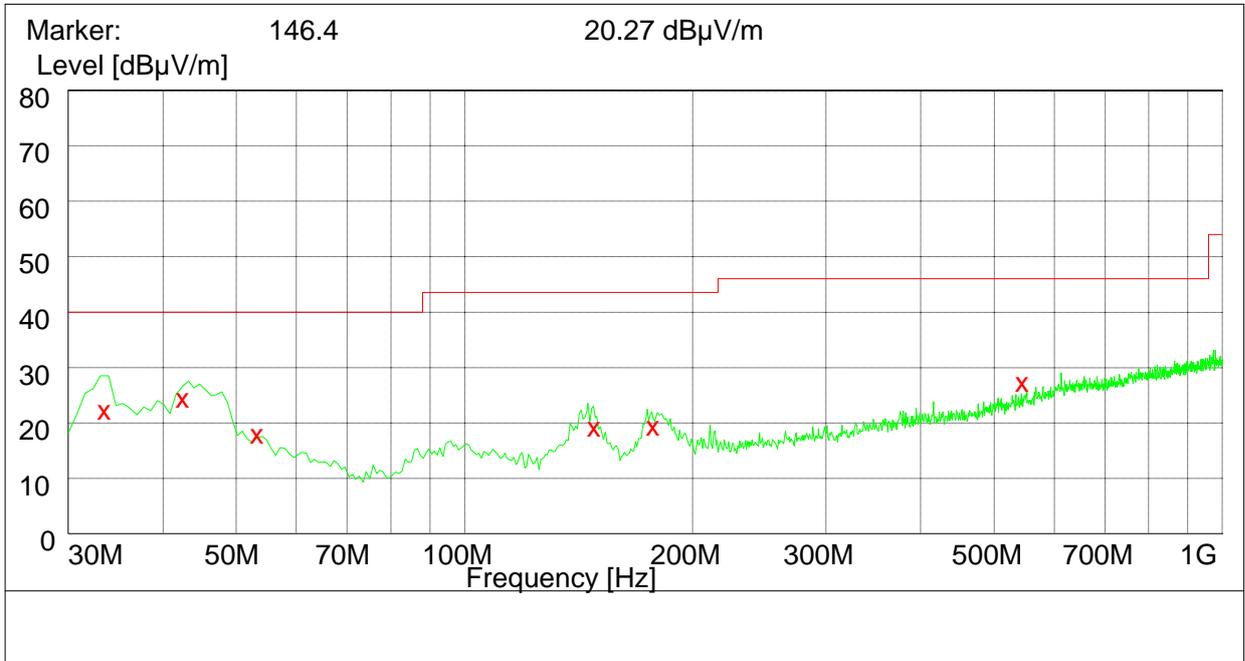


Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	39.50	33.3	54.0	14.5	100.0	345.00	HORIZONTAL
2390.000000	40.50	33.5	54.0	13.5	106.0	218.00	HORIZONTAL
2483.500000	39.80	33.7	54.0	14.2	109.0	195.00	HORIZONTAL
2500.000000	40.80	33.8	54.0	13.2	102.0	58.00	HORIZONTAL



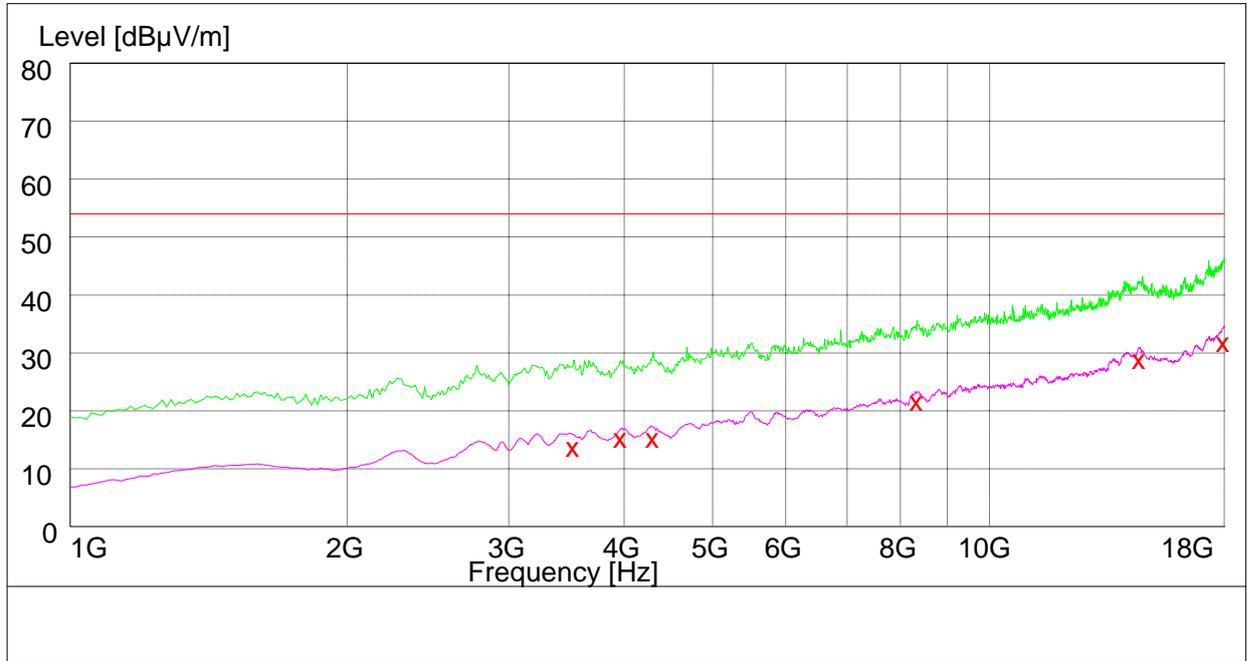
Channel 40 30MHz to 1GHz



Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/	Margin dB	Height cm	Azimuth deg	Polarization
33.124000	23.70	11.7	40.0	16.3	105.0	127.00	VERTICAL
43.252000	25.70	13.1	40.0	14.3	143.0	153.00	VERTICAL
54.216000	19.30	12.7	40.0	20.7	120.0	176.00	VERTICAL
149.011000	20.50	8.9	43.5	23.0	103.0	210.00	VERTICAL
178.215000	20.90	10.7	43.5	22.6	109.0	219.00	VERTICAL
544.248000	28.90	21.3	46.0	17.1	123.0	204.00	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
3526.100000	14.80	-7.3	54.0	39.2	100.0	12.00	VERTICAL
3972.900000	16.40	-5.9	54.0	37.6	121.0	354.00	VERTICAL
4303.300000	16.50	-5.2	54.0	37.5	114.0	354.00	HORIZONTAL
8342.500000	22.70	2.9	54.0	31.3	120.0	6.00	VERTICAL
14550.100000	30.00	12.3	54.0	24.0	120.0	177.00	VERTICAL
17984.900000	33.00	17.2	54.0	21.0	124.0	102.00	HORIZONTAL

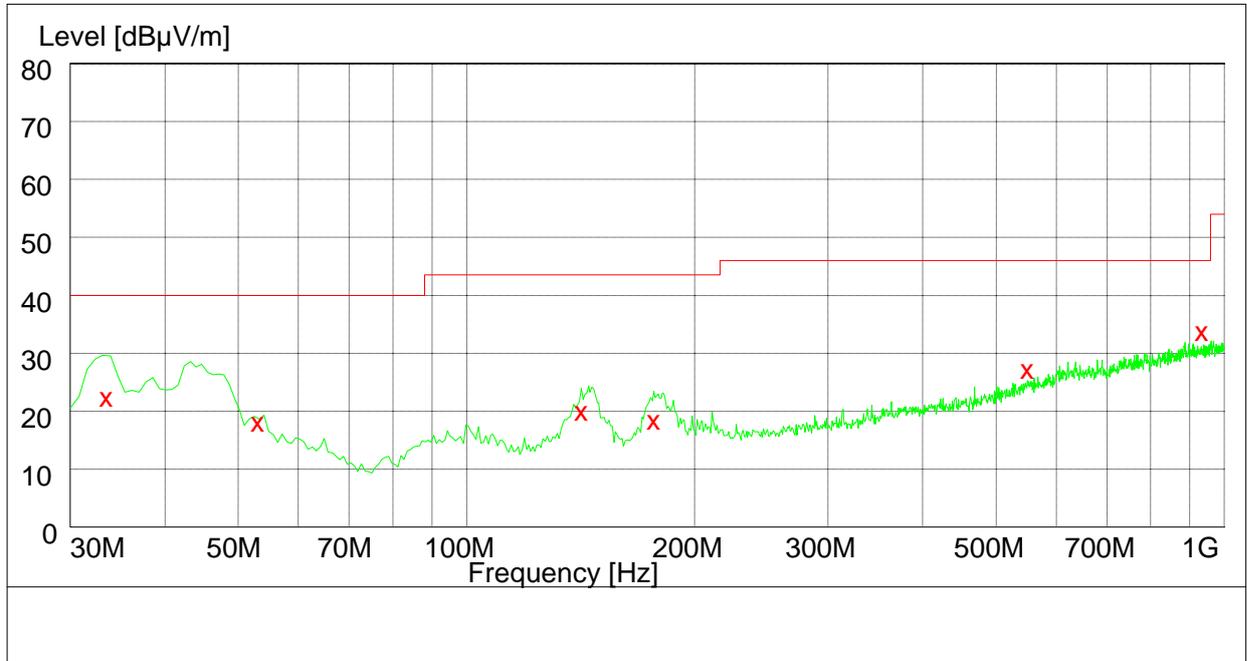


18GHz to 26GHz

Note: No peak found in pre- test.



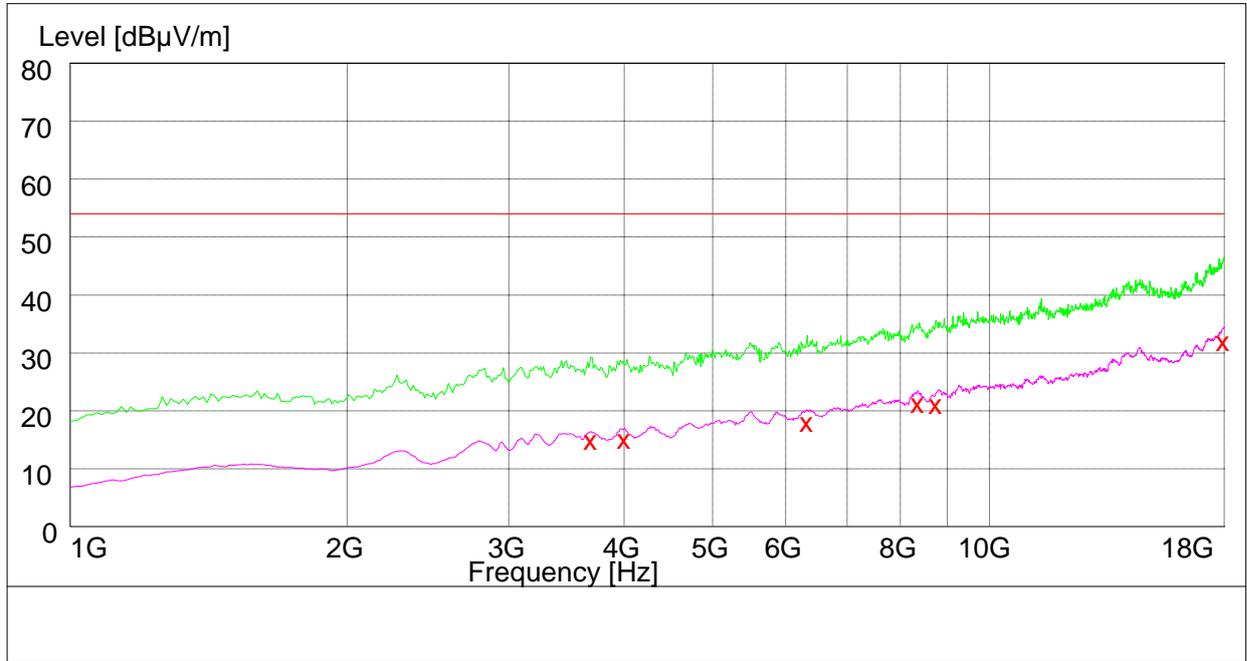
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.500000	23.70	11.7	40.0	16.3	105.0	116.00	HORIZONTAL
53.156000	19.30	12.7	40.0	20.7	147.0	230.00	VERTICAL
142.010000	21.20	8.7	43.5	22.3	105.0	304.00	HORIZONTAL
177.084000	19.60	10.7	43.5	23.9	100.0	359.00	VERTICAL
550.521000	28.40	21.4	46.0	17.6	120.0	224.00	VERTICAL
936.548000	34.90	26.5	46.0	11.1	100.0	42.00	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
3685.200000	16.00	-6.7	54.0	38.0	100.0	220.00	VERTICAL
4009.100000	16.30	-5.8	54.0	37.7	114.0	35.00	HORIZONTAL
6338.700000	19.10	-1.2	54.0	34.9	121.0	177.00	HORIZONTAL
8363.600000	22.50	2.9	54.0	31.5	102.0	111.00	HORIZONTAL
8744.400000	22.20	3.4	54.0	31.8	104.0	137.00	VERTICAL
17981.400000	33.10	17.2	54.0	20.9	120.0	315.00	HORIZONTAL

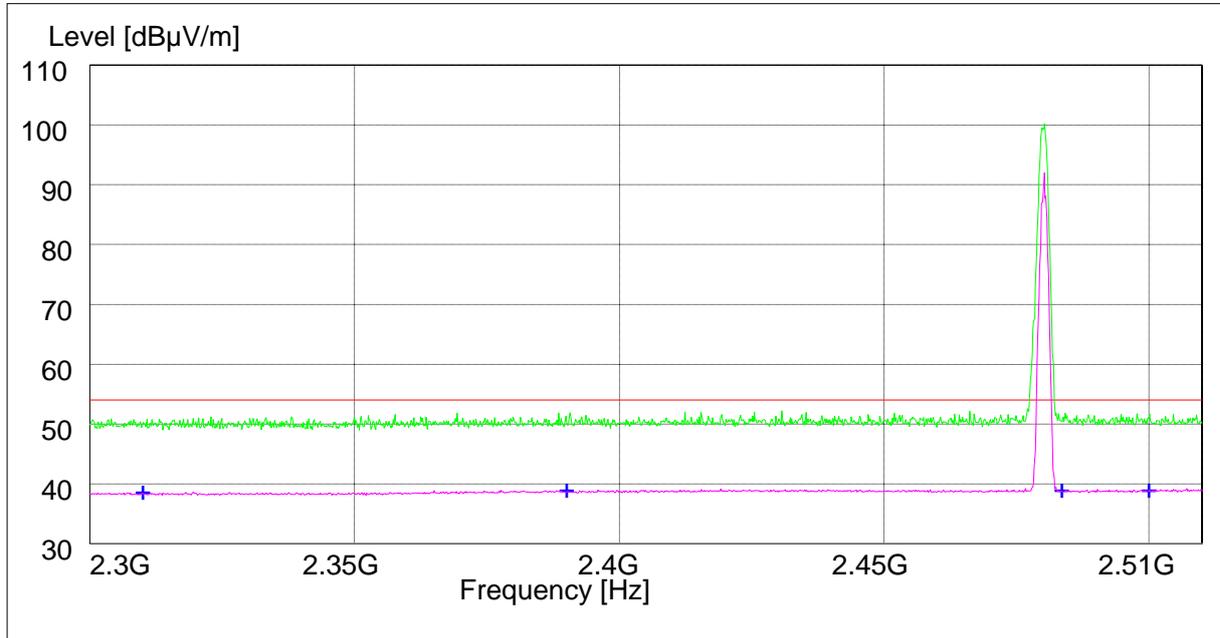


18GHz to 26GHz

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	39.40	33.7	54.0	14.6	152.0	18.00	VERTICAL
2390.000000	39.60	33.7	54.0	14.4	122.0	58.00	VERTICAL
2483.500000	39.80	33.7	54.0	14.2	127.0	158.00	VERTICAL
2500.000000	39.50	33.7	54.0	14.5	125.0	208.00	VERTICAL



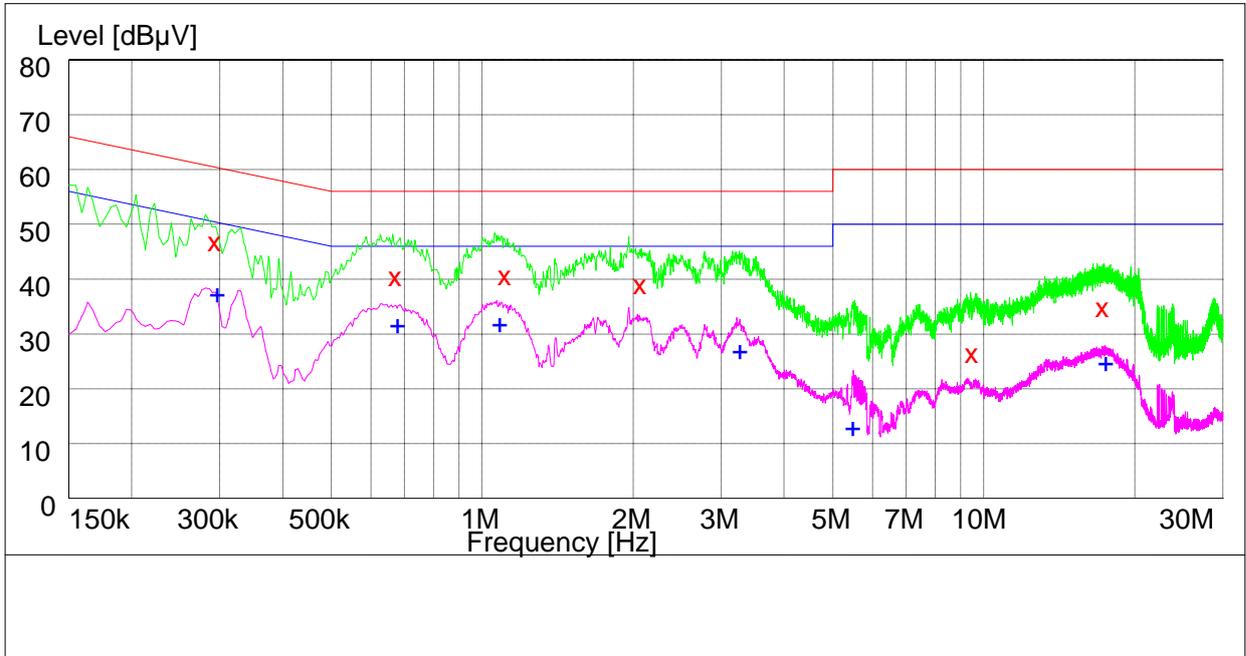
Appendix I

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
0.294000	48.10	10.0	60	11.9	N	GND
0.672000	41.80	10.1	56	14.2	N	GND
1.114000	42.00	10.1	56	14.0	N	GND
2.072000	40.40	10.1	56	15.6	N	GND
9.508000	27.80	10.3	60	32.2	N	GND
17.318000	36.20	10.3	60	23.8	N	GND

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.296000	38.70	10.0	50	11.3	N	GND
0.678000	33.00	10.1	46	13.0	N	GND
1.084000	33.20	10.1	46	12.8	N	GND
3.262000	28.20	10.2	46	17.8	N	GND
5.476000	14.30	10.2	50	35.7	N	GND
17.528000	26.10	10.3	50	23.9	N	GND