



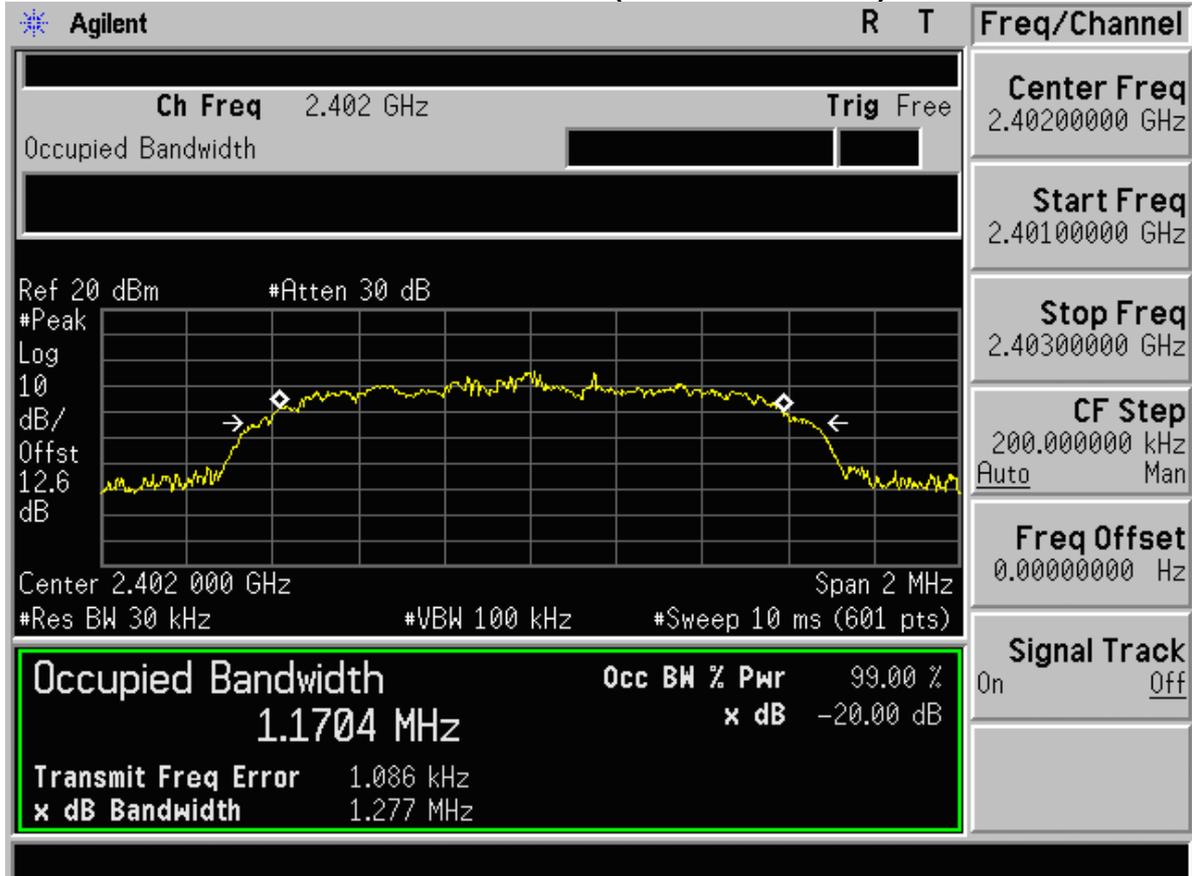
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

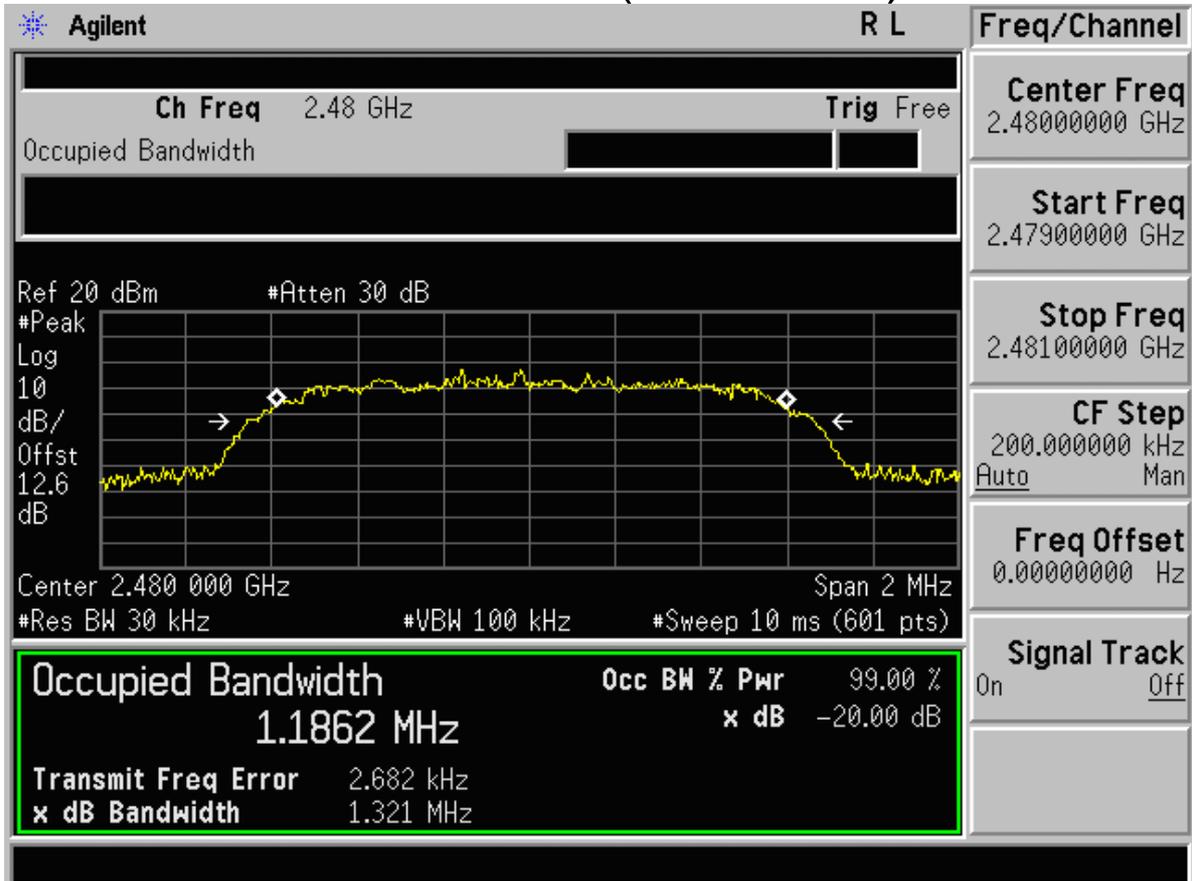


Modulation: $\pi/4$ -DQPSK Channel 0 (2402MHz)



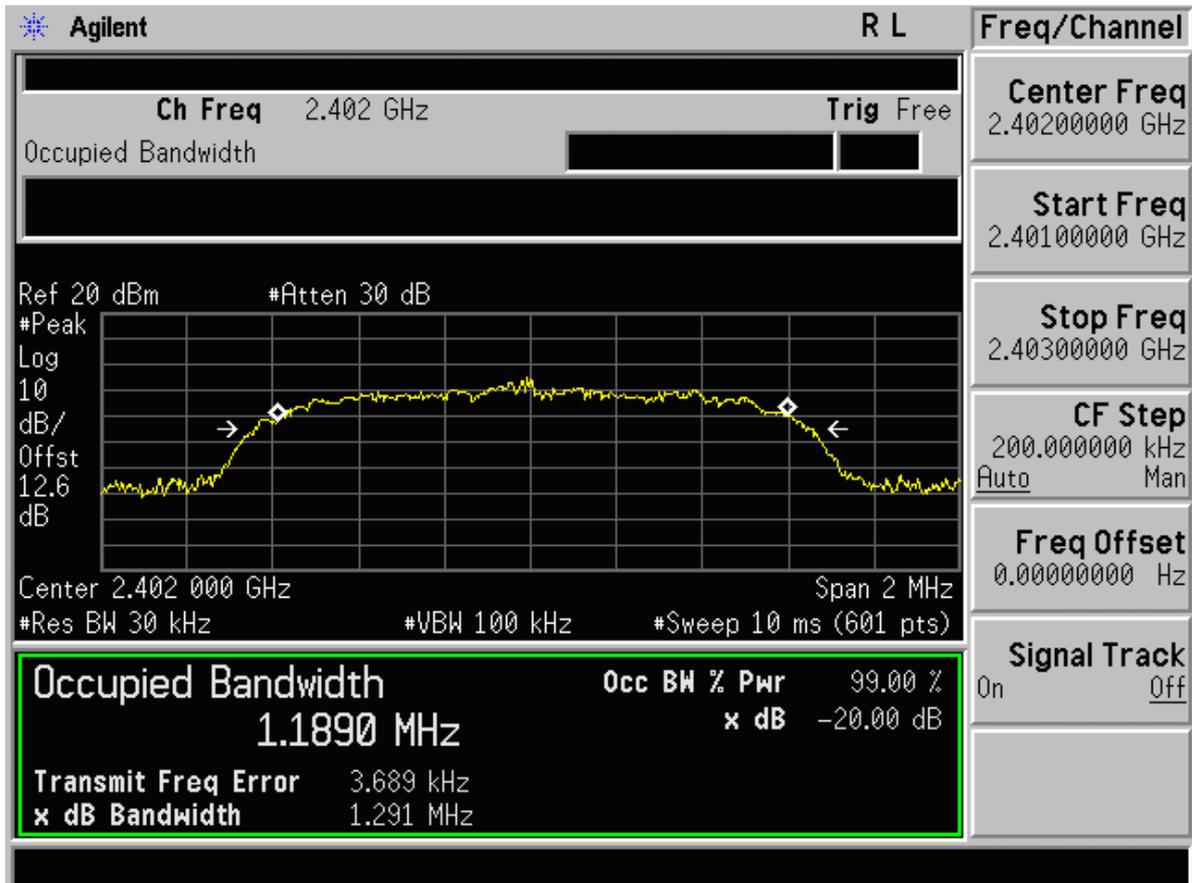


Channel 78 (2480MHz)



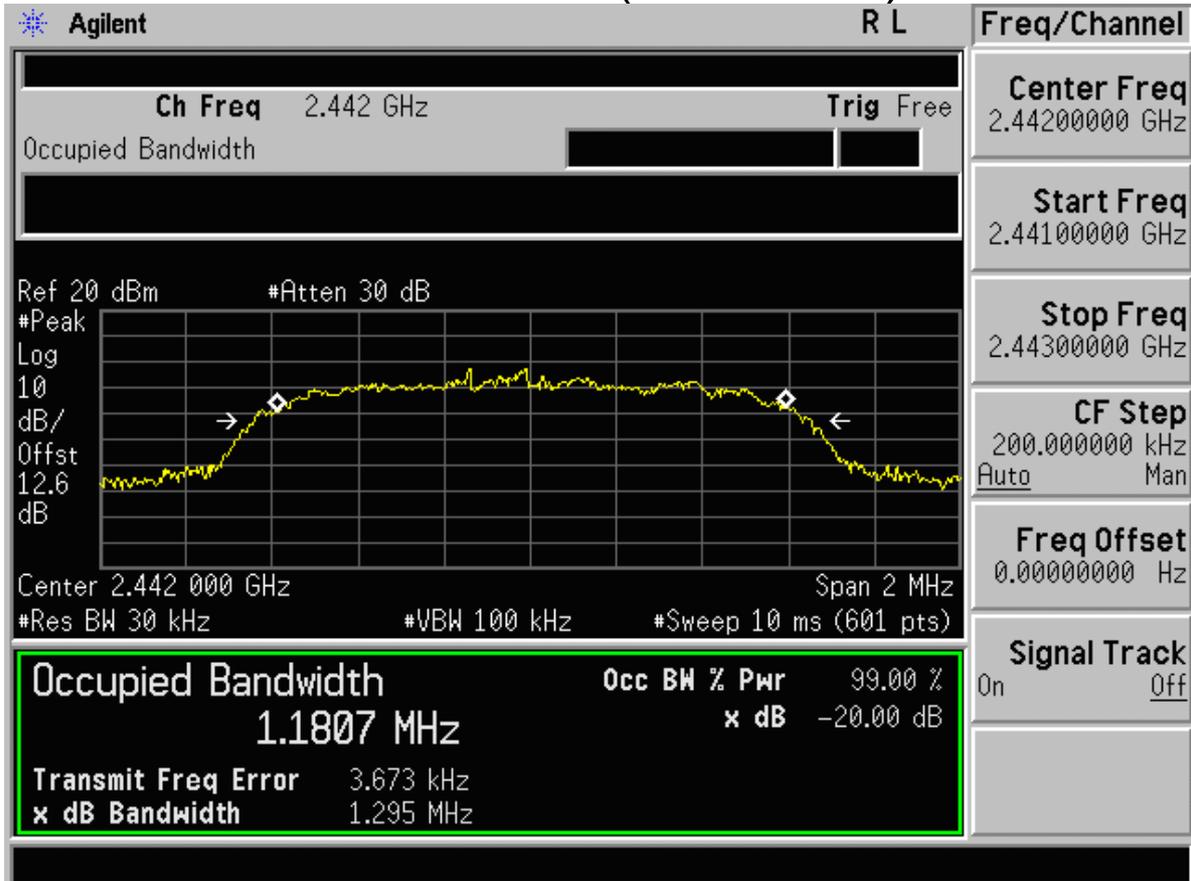


Modulation: 8DPSK Channel 0 (2402MHz)



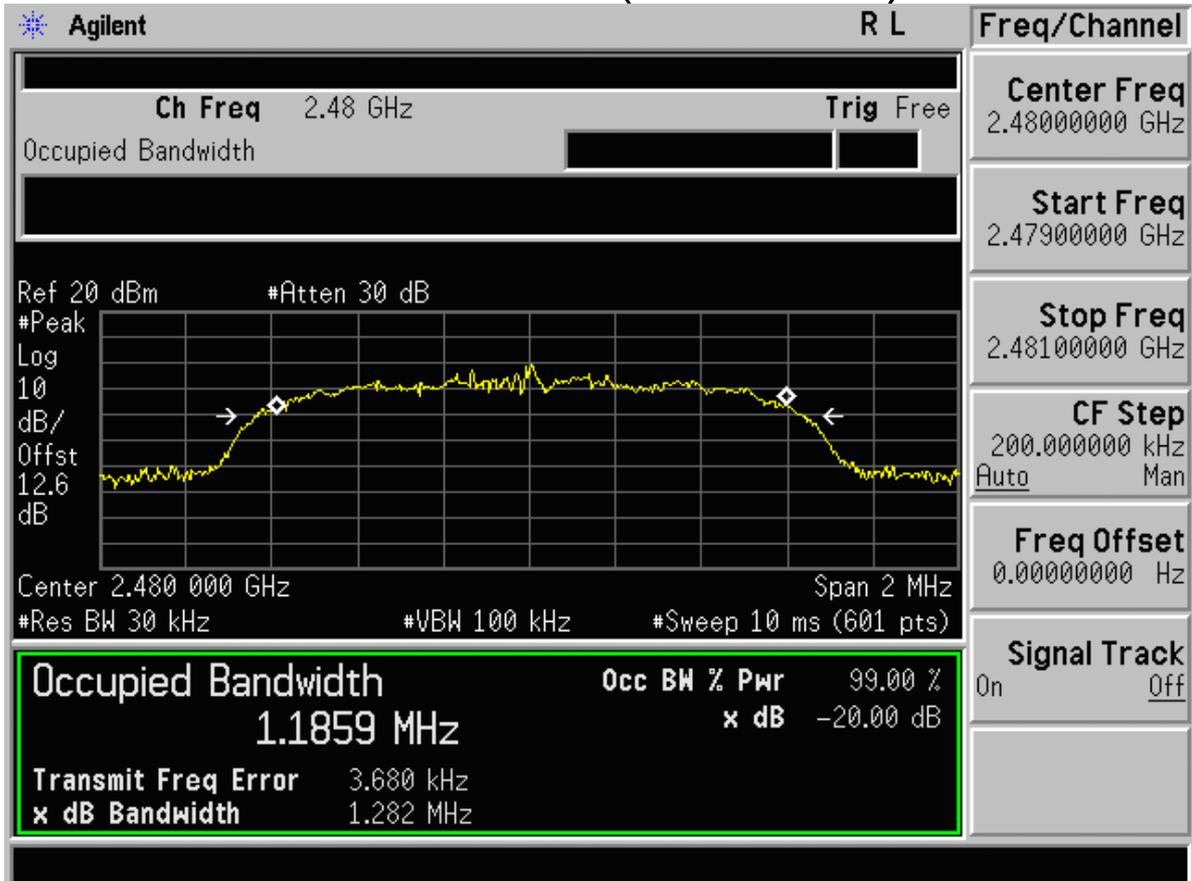


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix B

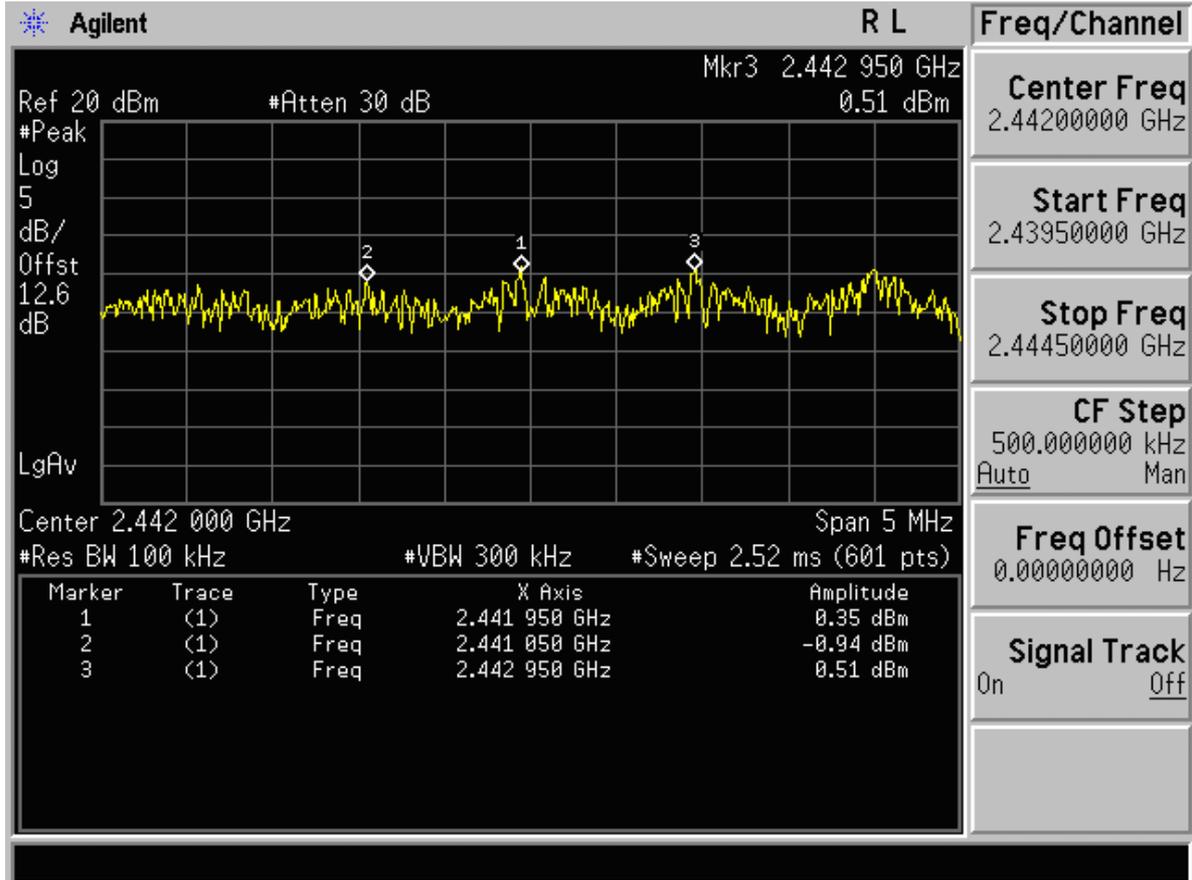
Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



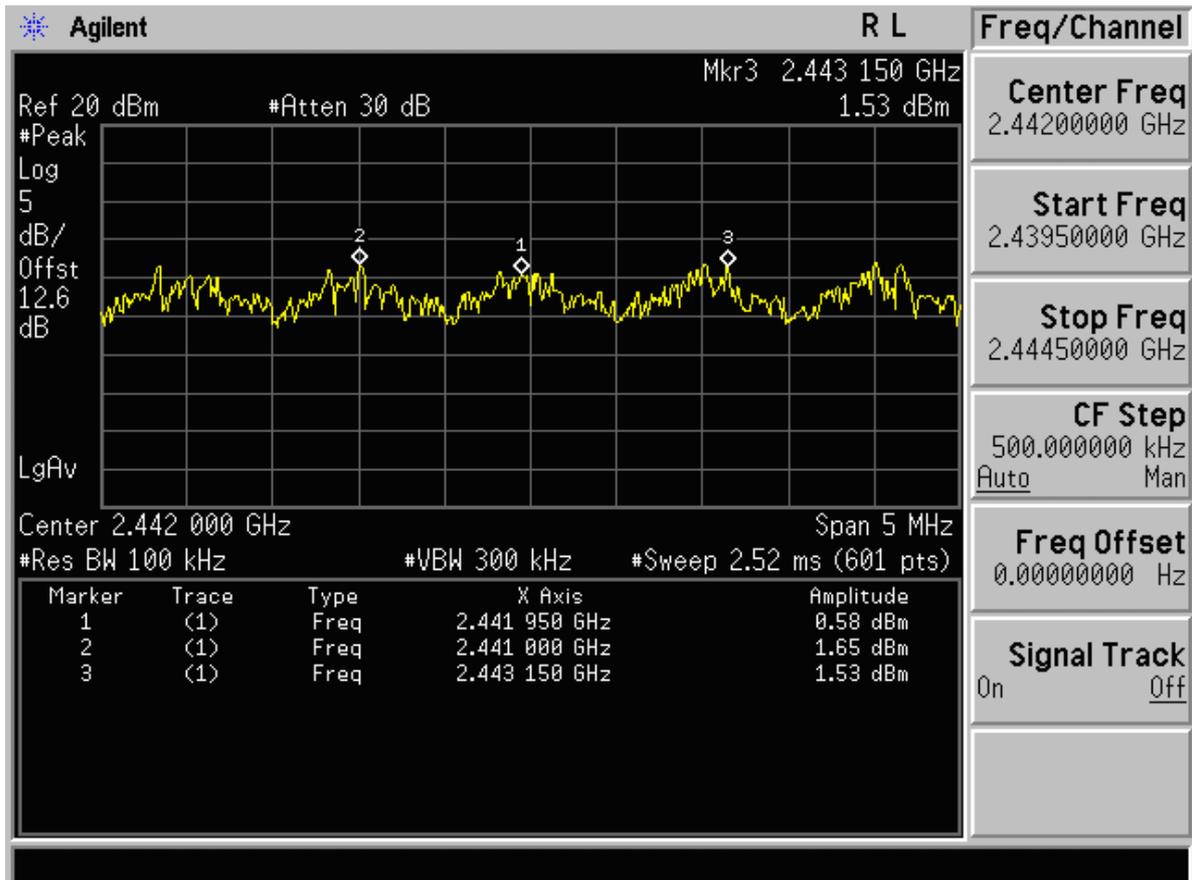
Modulation: $\pi/4$ -DQPSK

Centred at Channel 40





Modulation: 8DPSK Centred at Channel 40





Appendix C

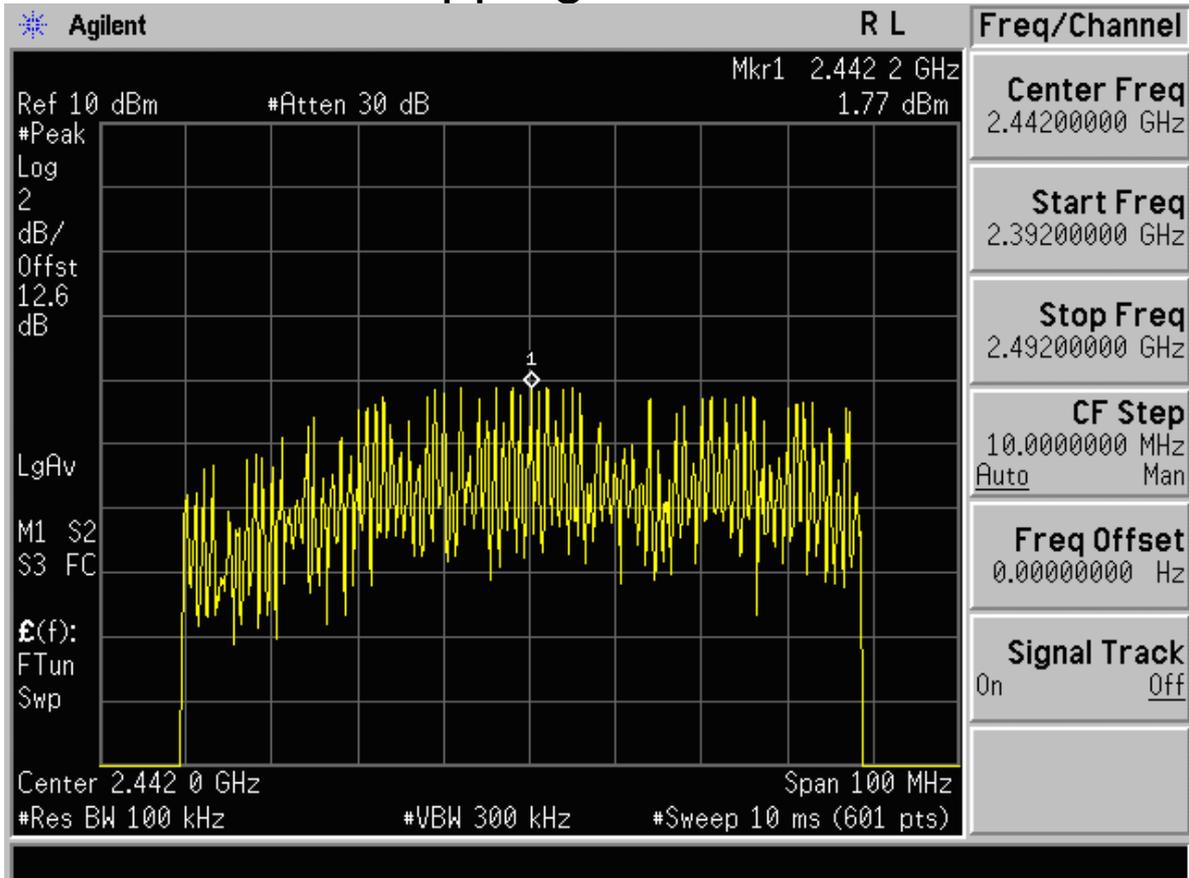
Number of hopping channel

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



Modulation: 8DPSK

Total hopping channels = 79





Appendix D

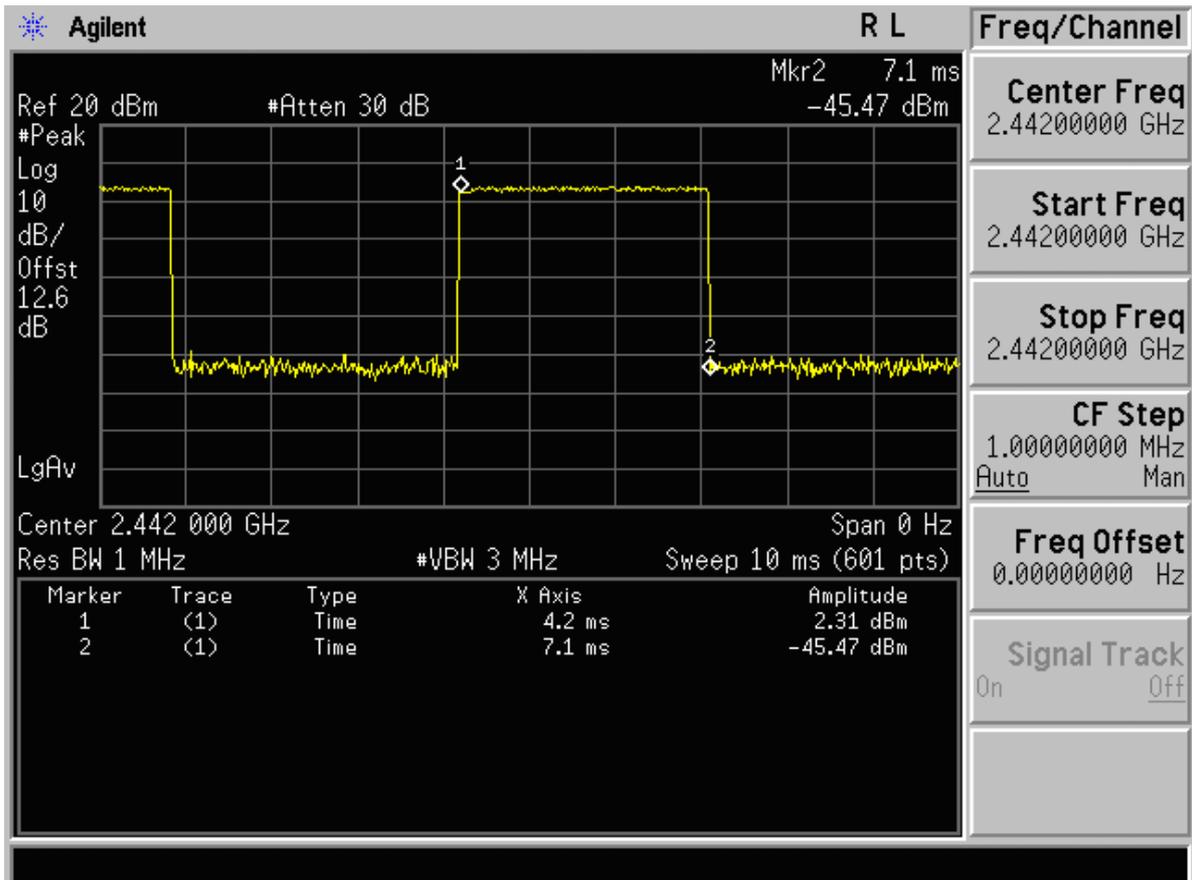
Time of occupancy

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



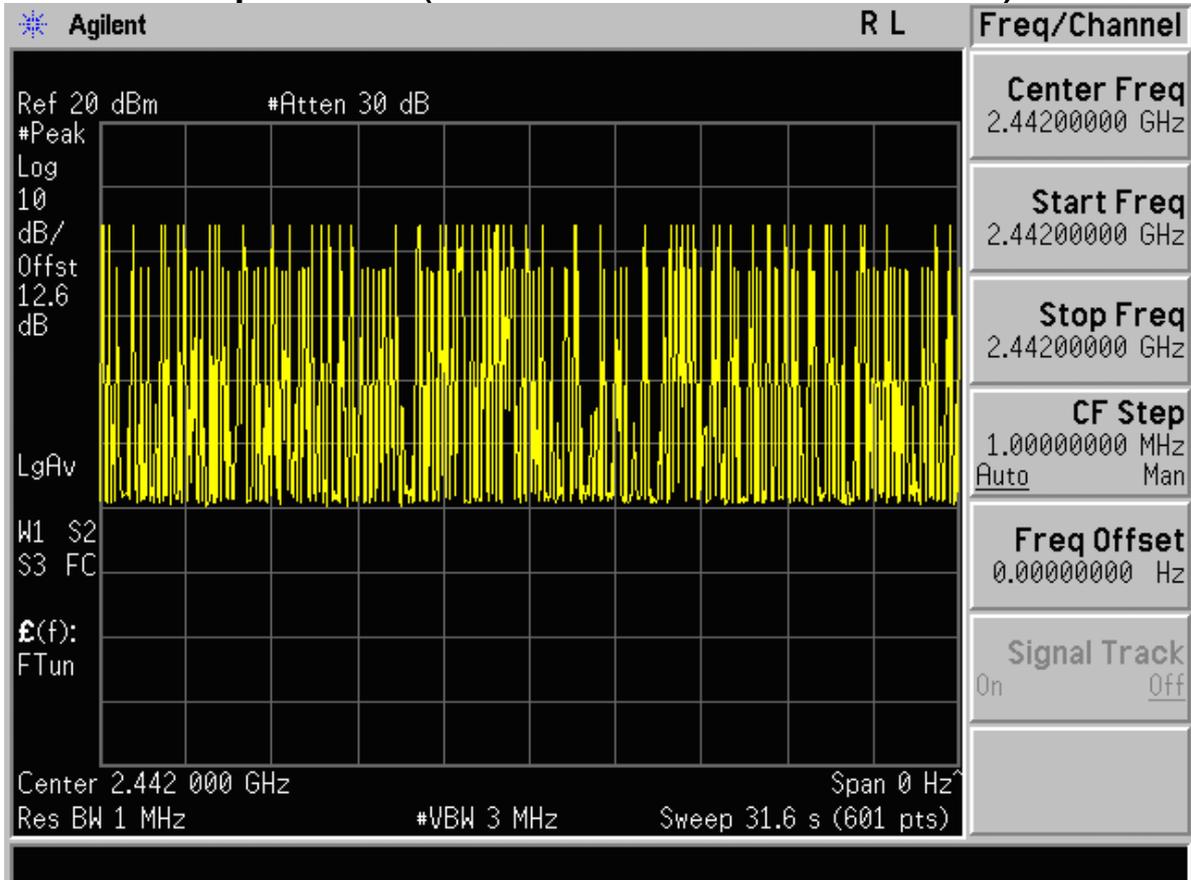
Modulation: $\pi/4$ -DQPSK

A burst (One time slot)





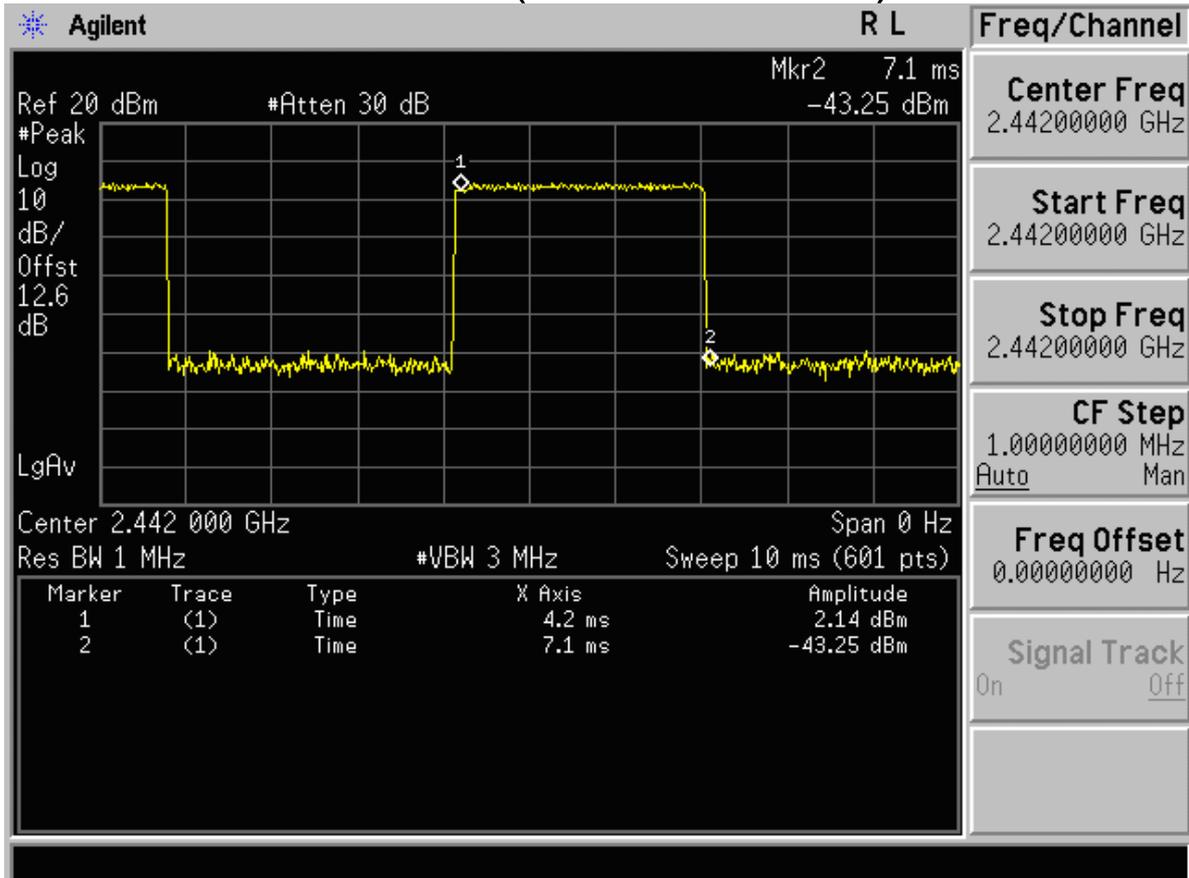
A period (Less than 106.7 burst)





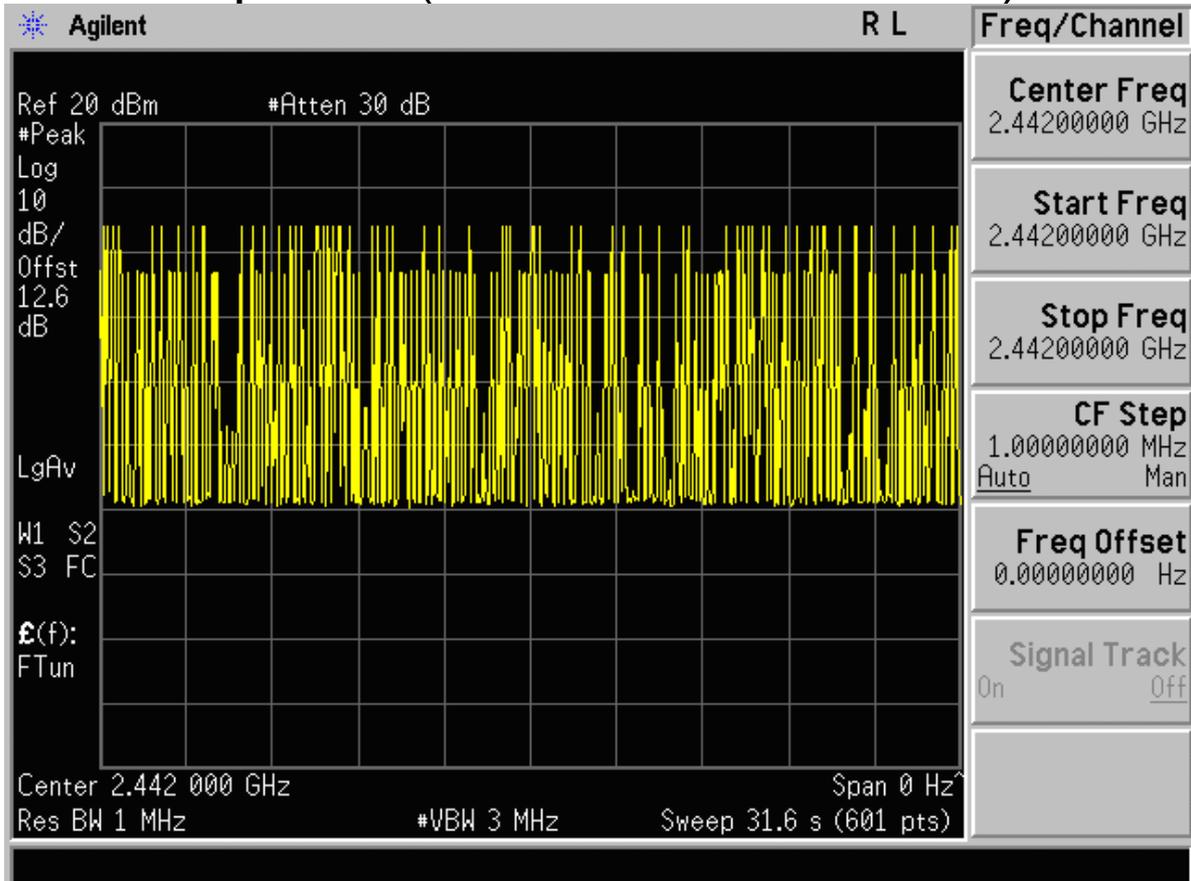
Modulation: 8DPSK

A burst (One time slot)





A period (Less than 106.7 burst)





Appendix E

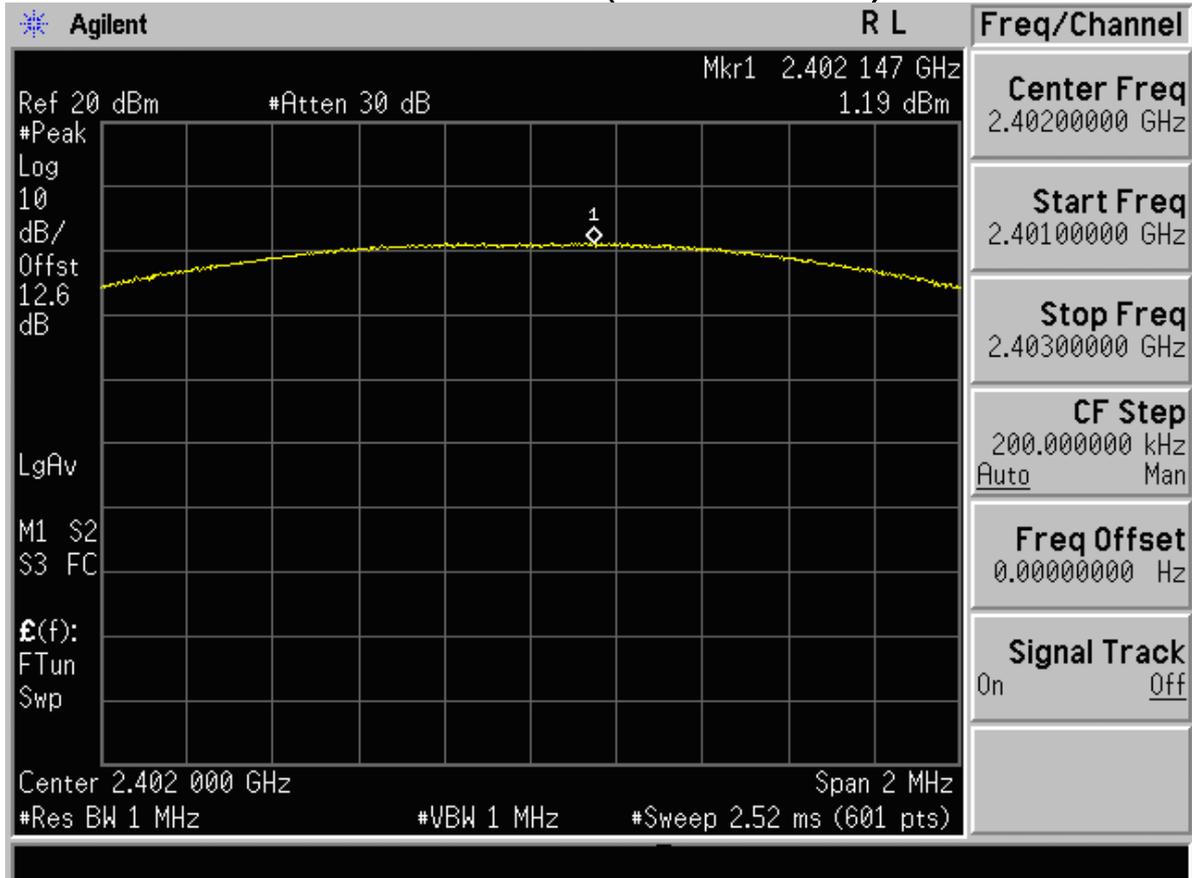
Peak output power

According to FCC Part 15.247 (b) (1)



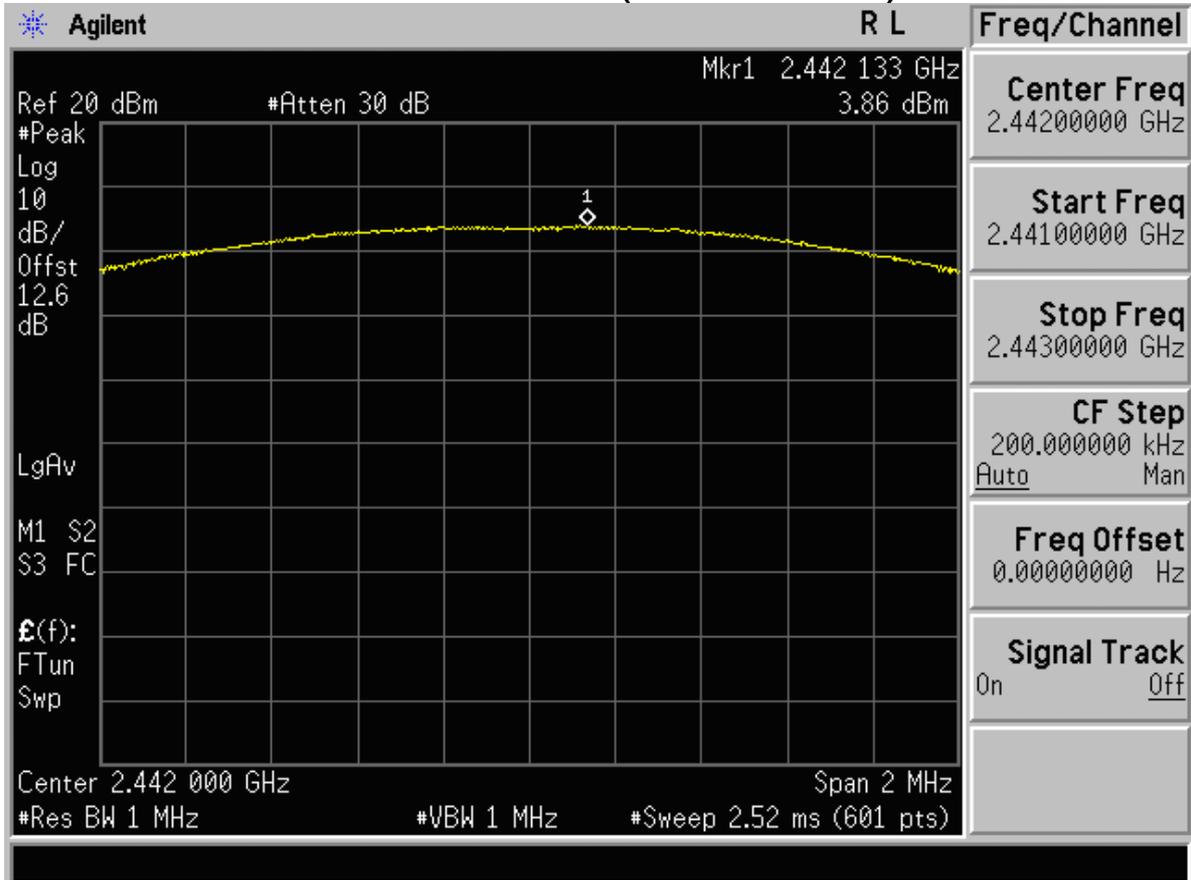
Modulation: $\pi/4$ -DQPSK

Channel 0 (2402MHz)



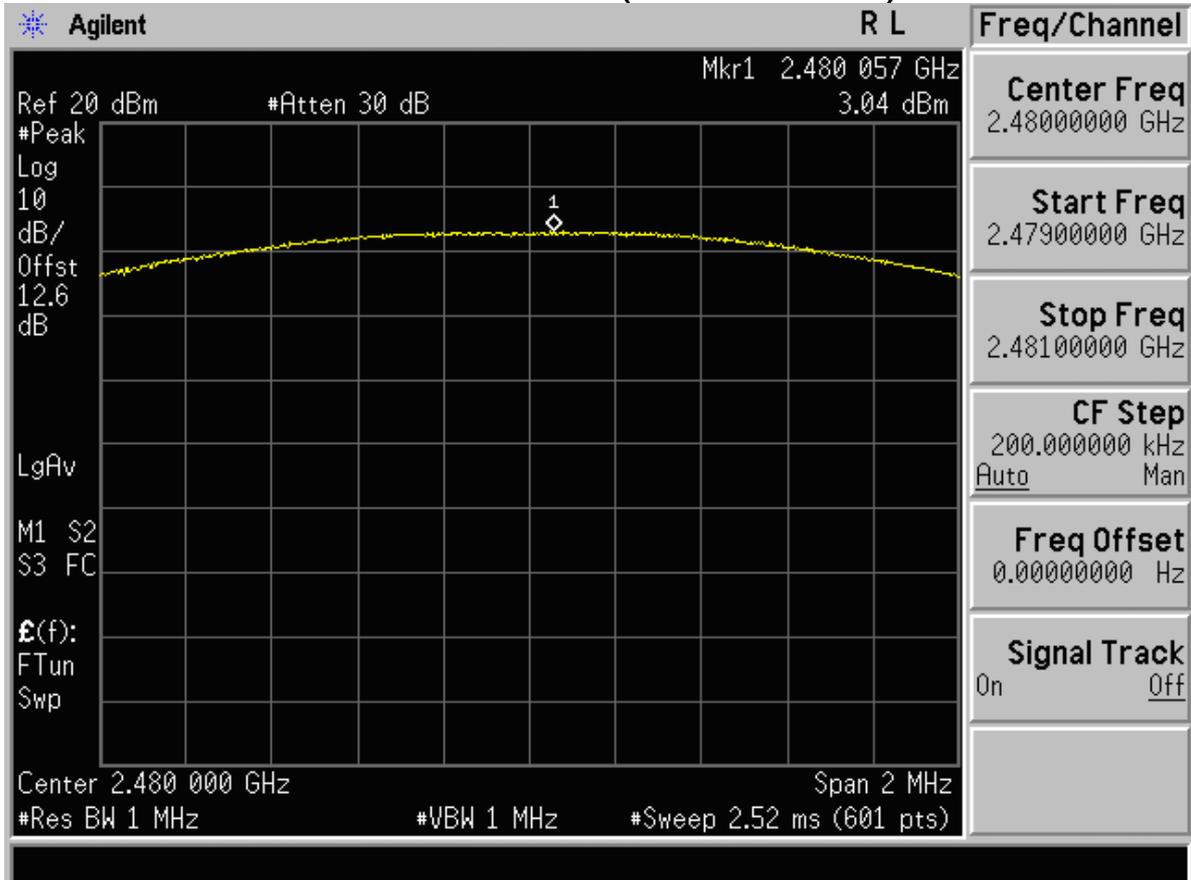


Channel 40 (2442MHz)



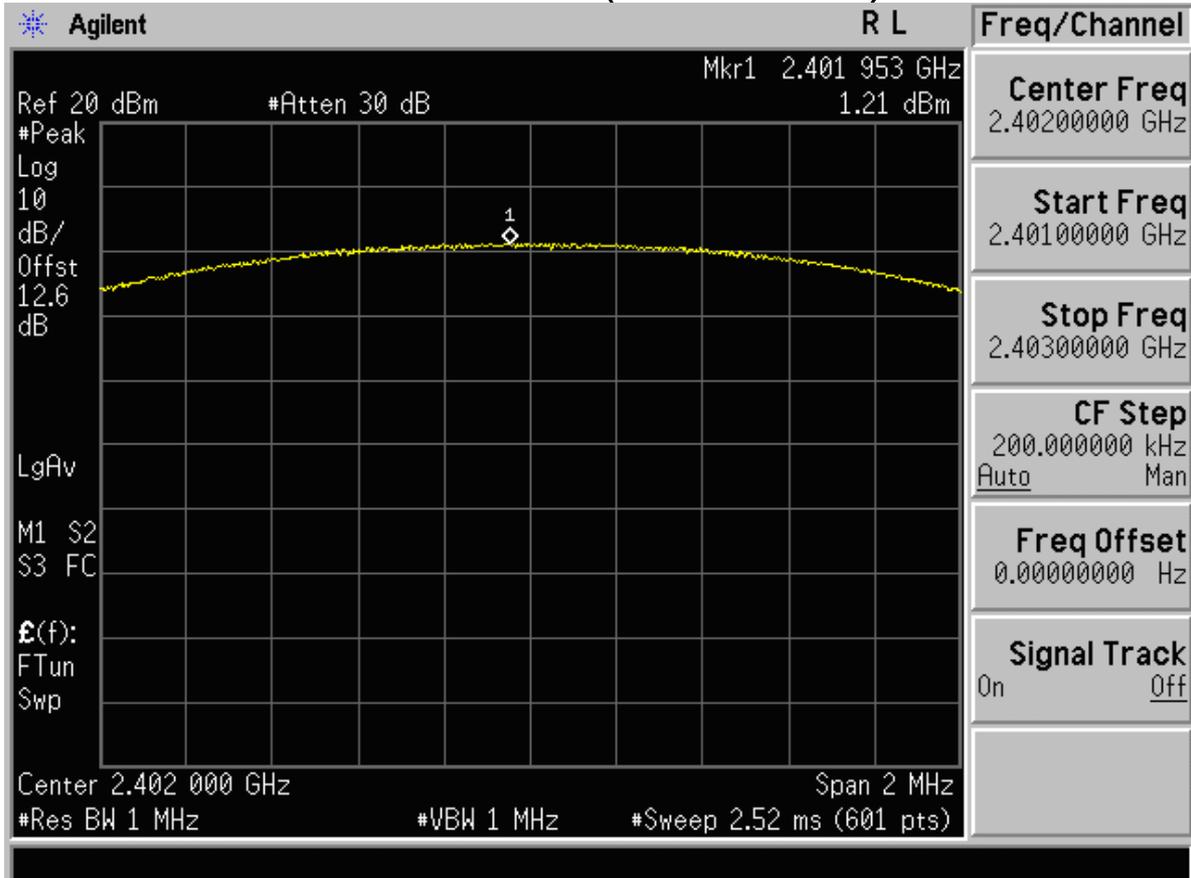


Channel 78 (2480MHz)



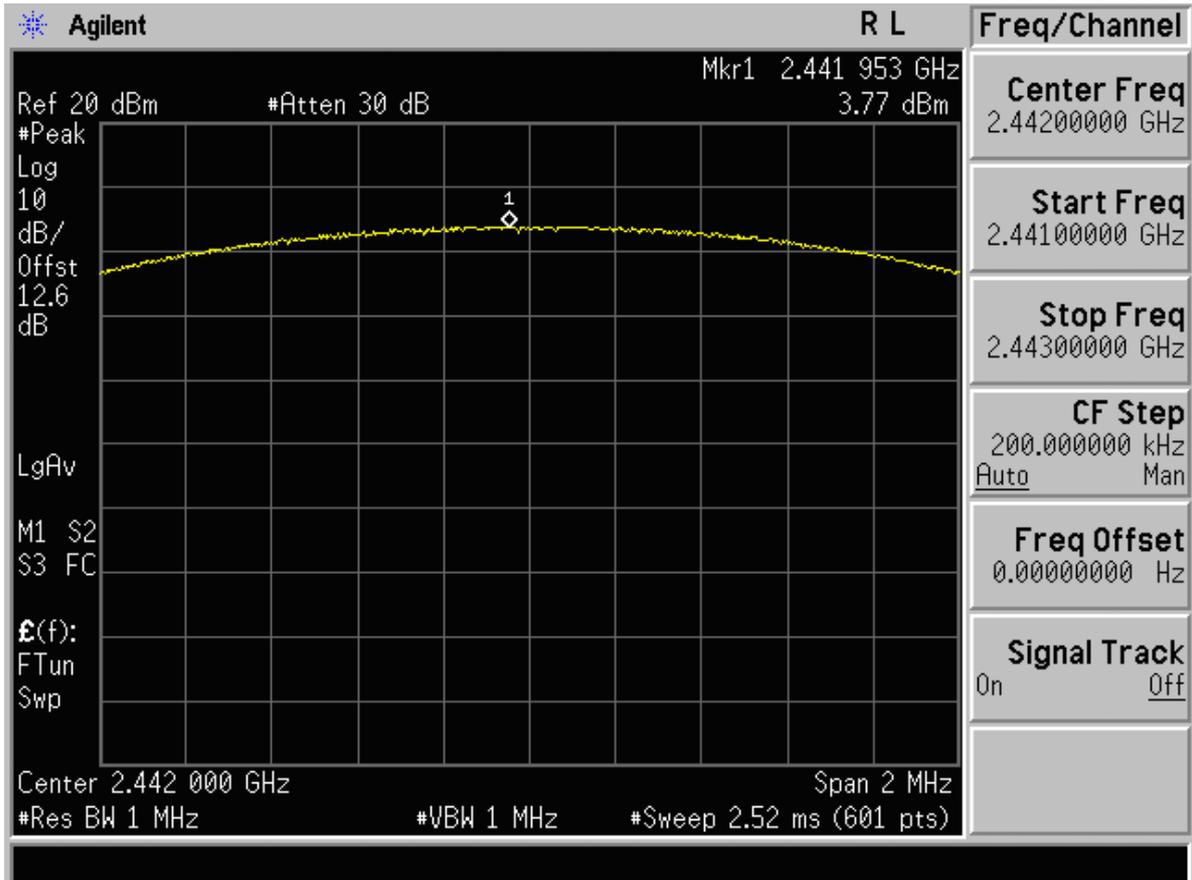


Modulation: 8DPSK Channel 0 (2402MHz)



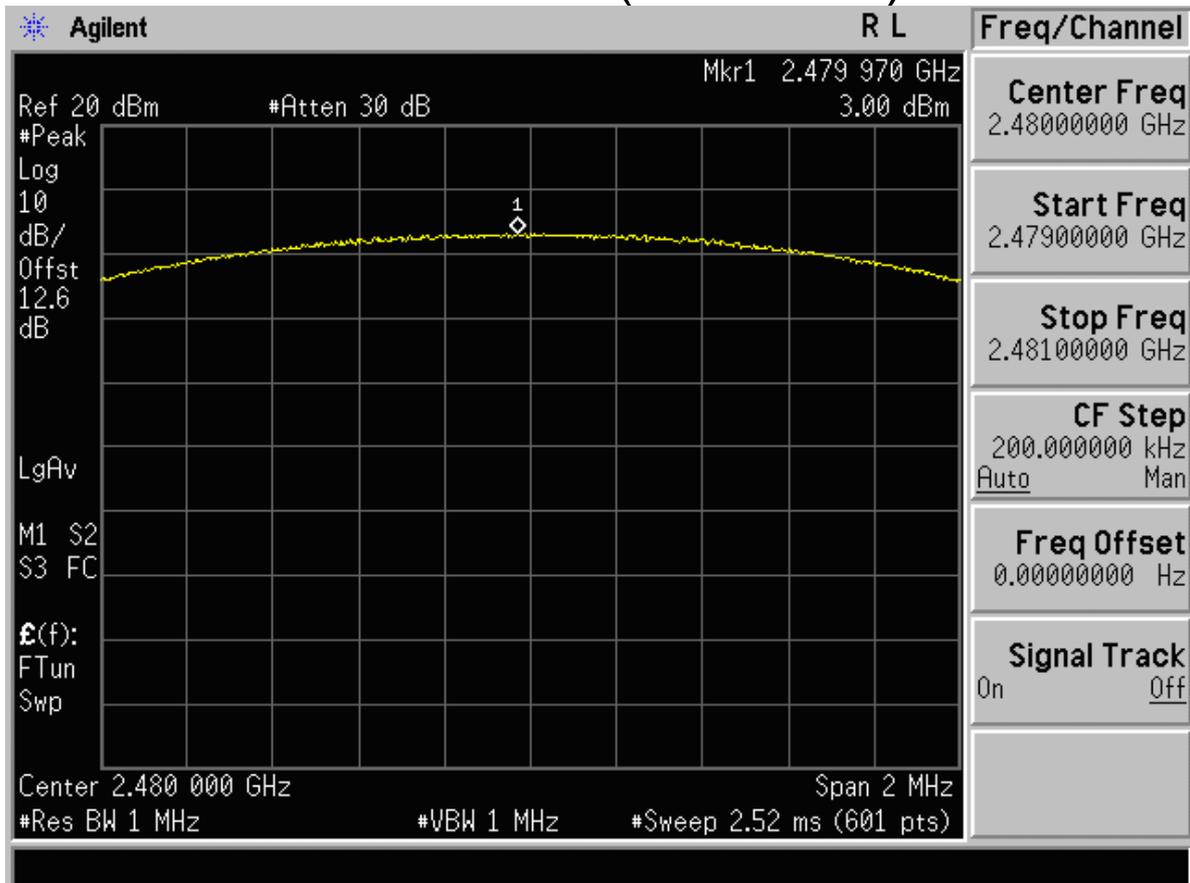


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix F

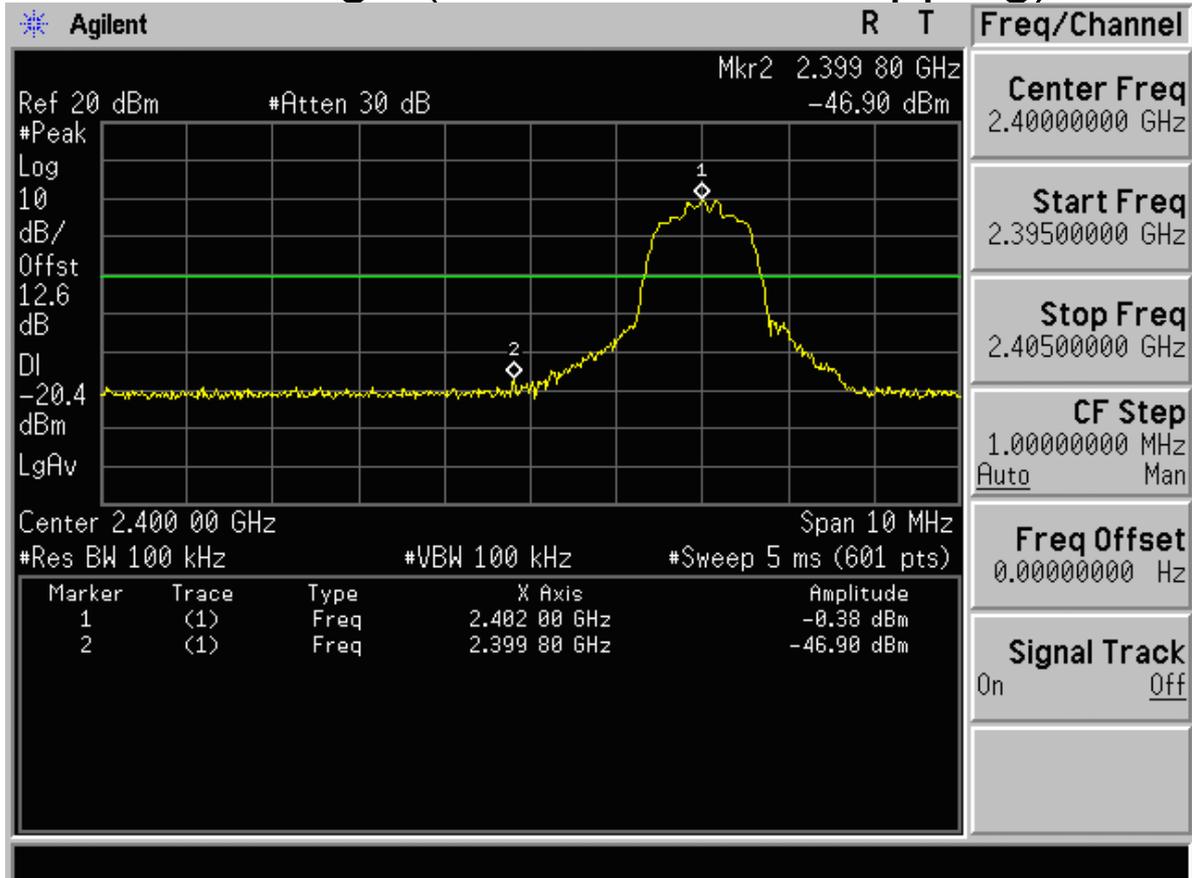
Band edge spurious emission

According to FCC Part 15.247 (d)



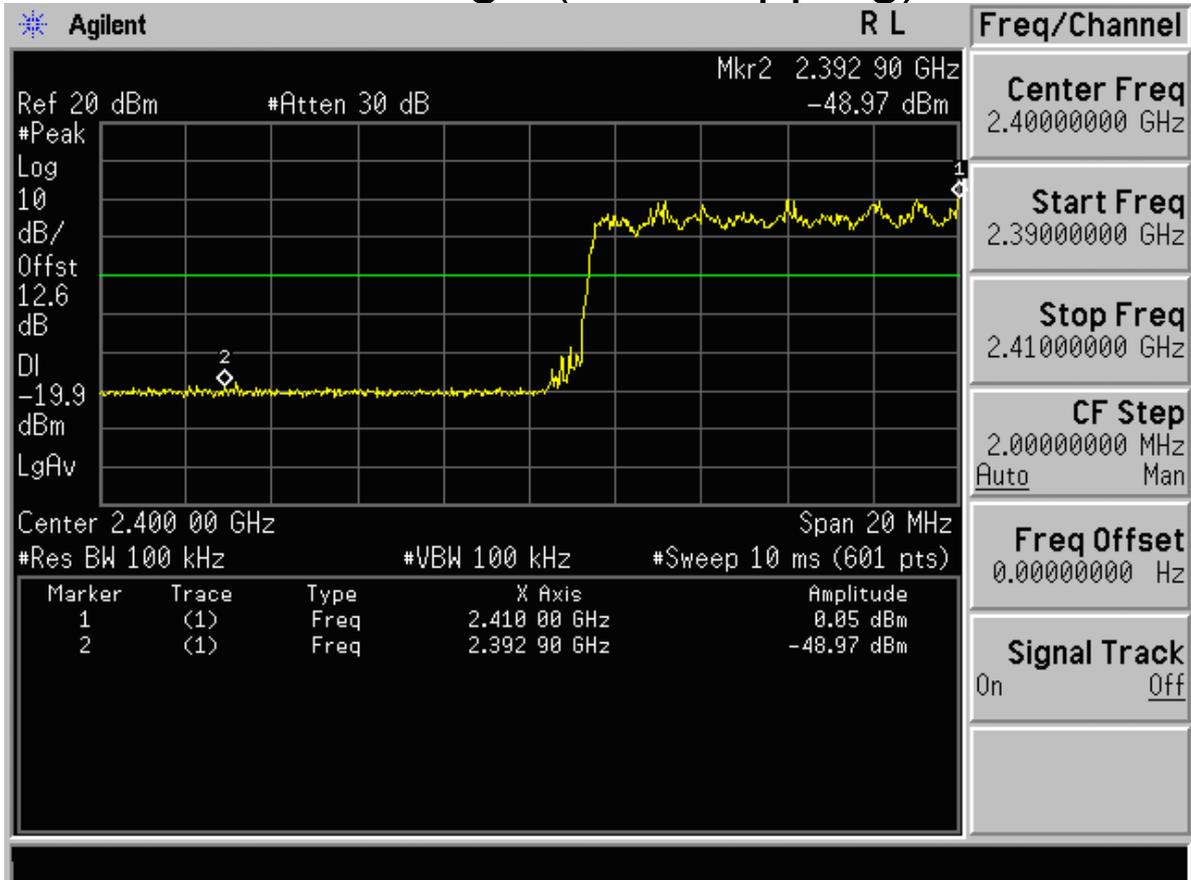
Modulation: $\pi/4$ -DQPSK

Low edge (Channel 0, no hopping)



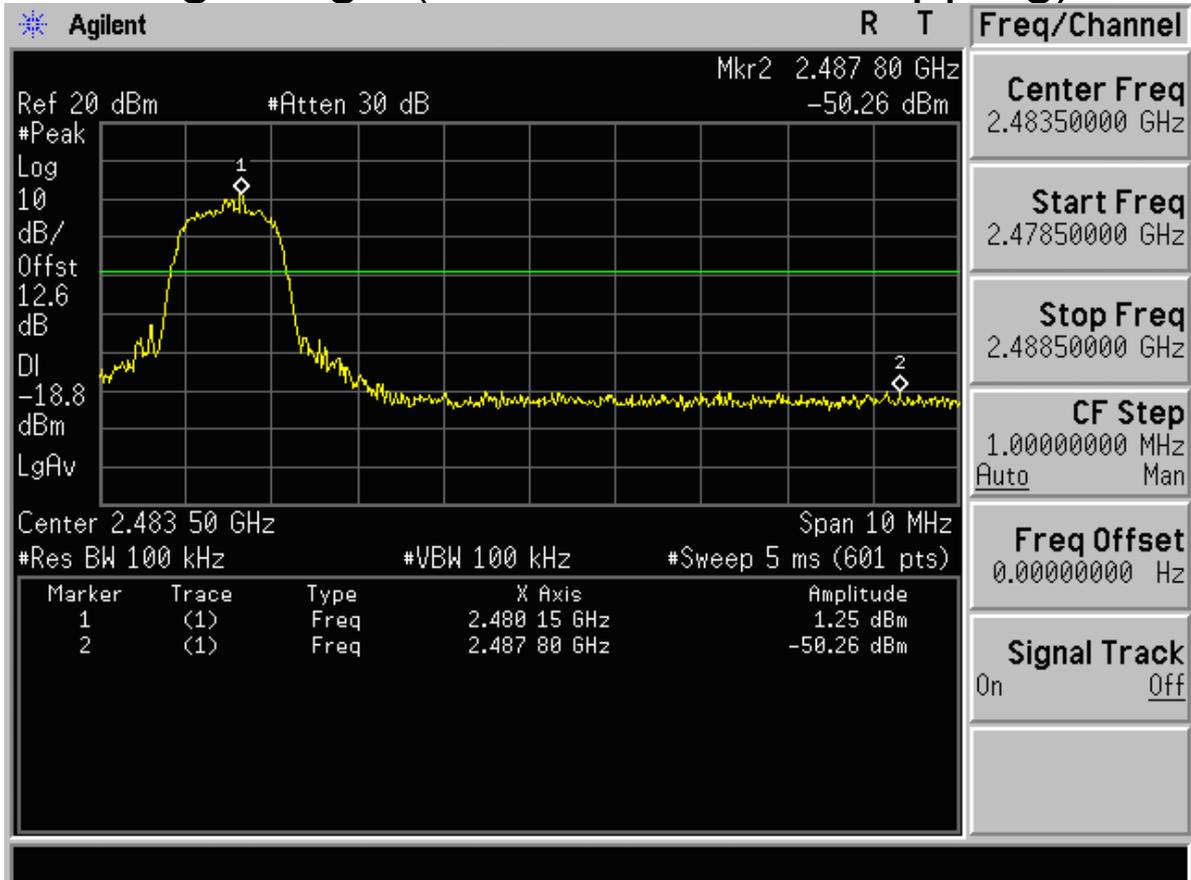


Low edge (with hopping)



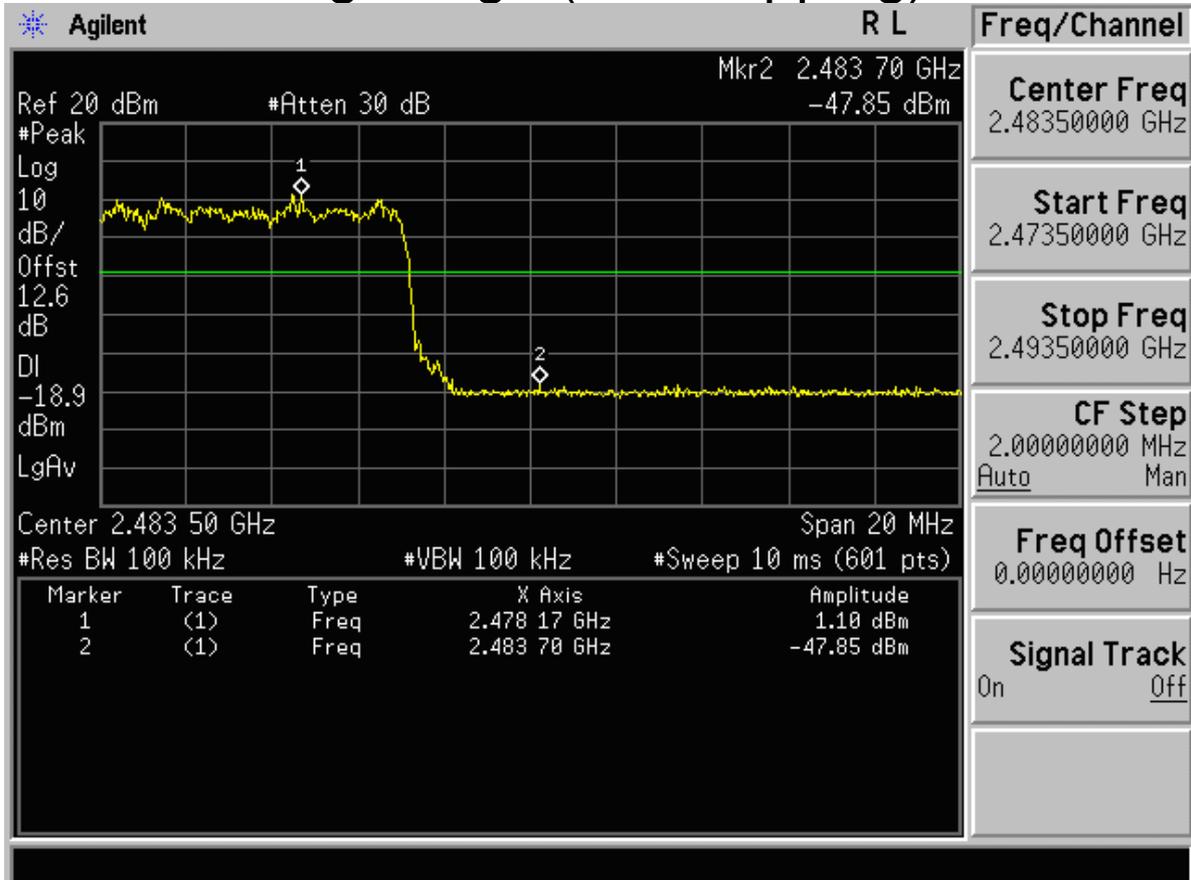


High edge (Channel 78, no hopping)



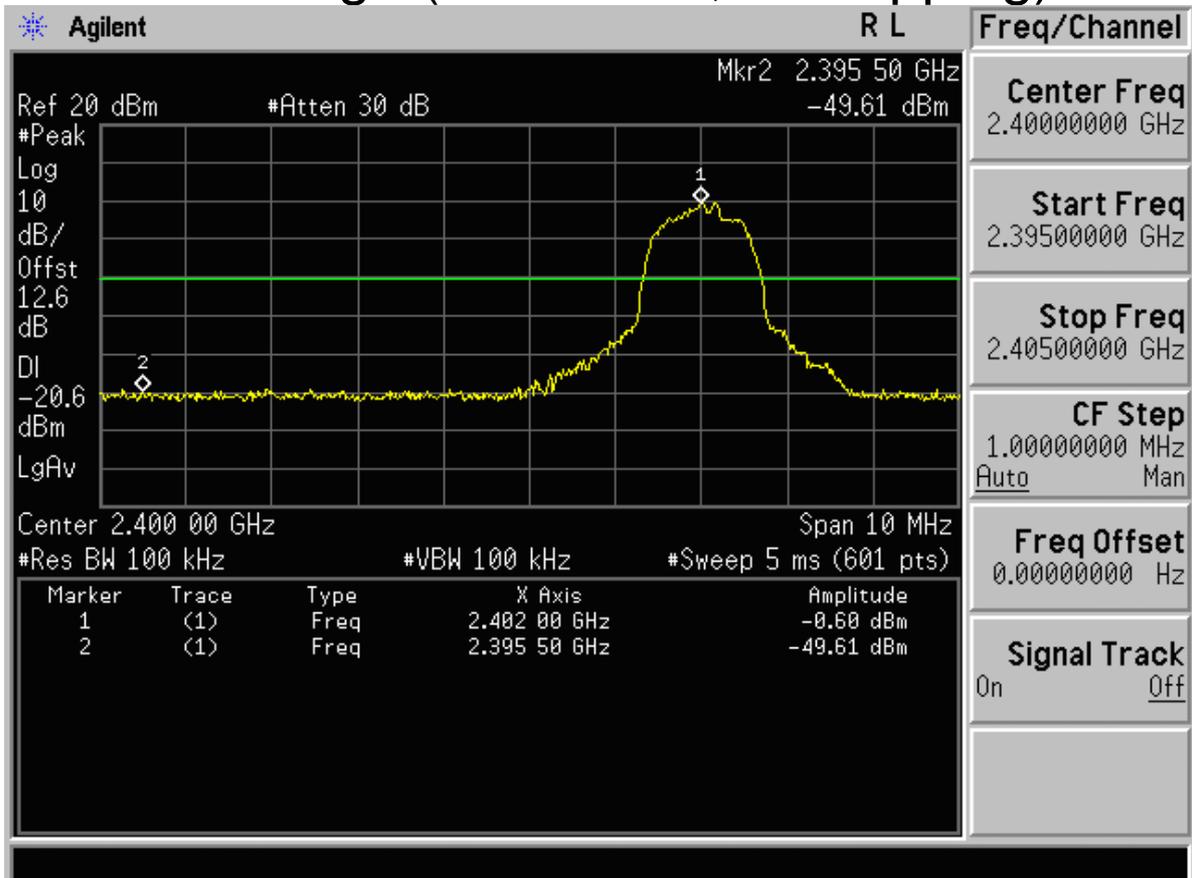


High edge (with hopping)



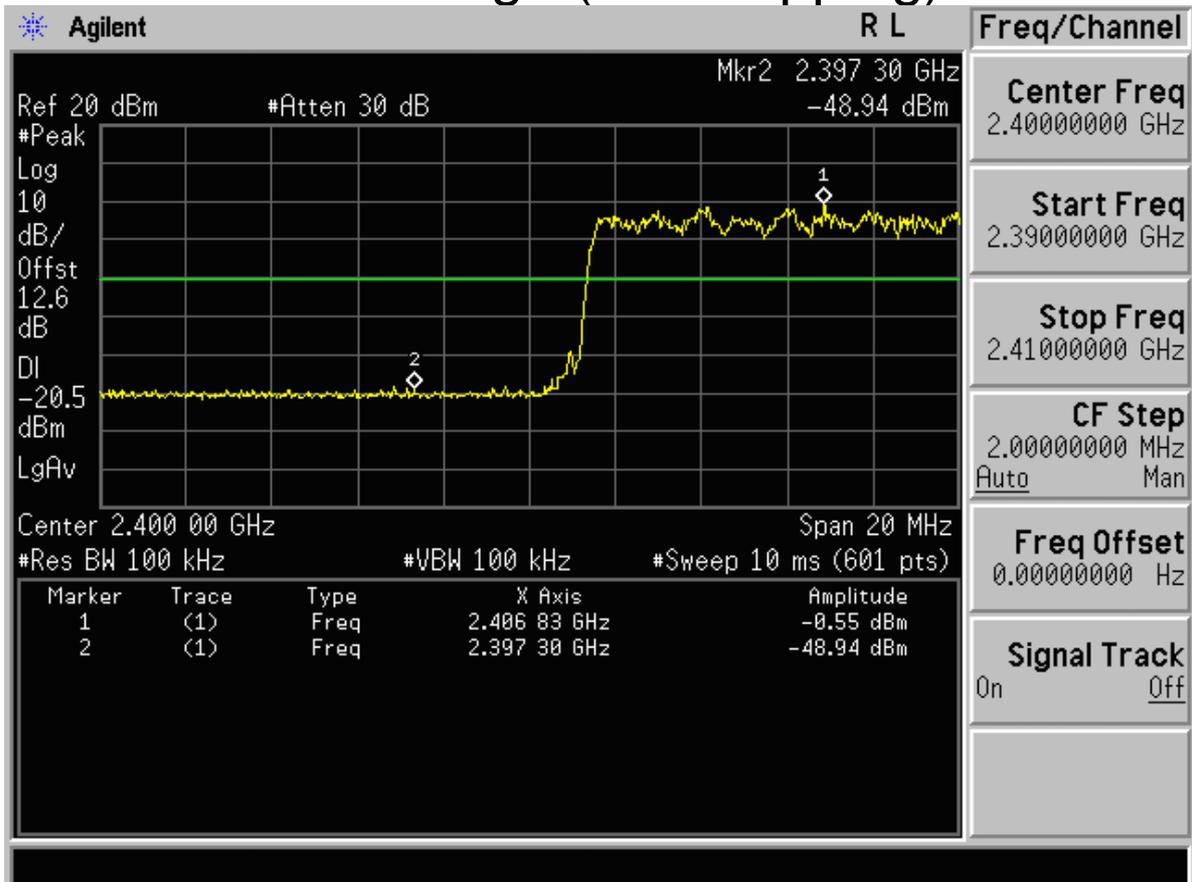


Modulation: 8DPSK Low edge (Channel 0, no hopping)



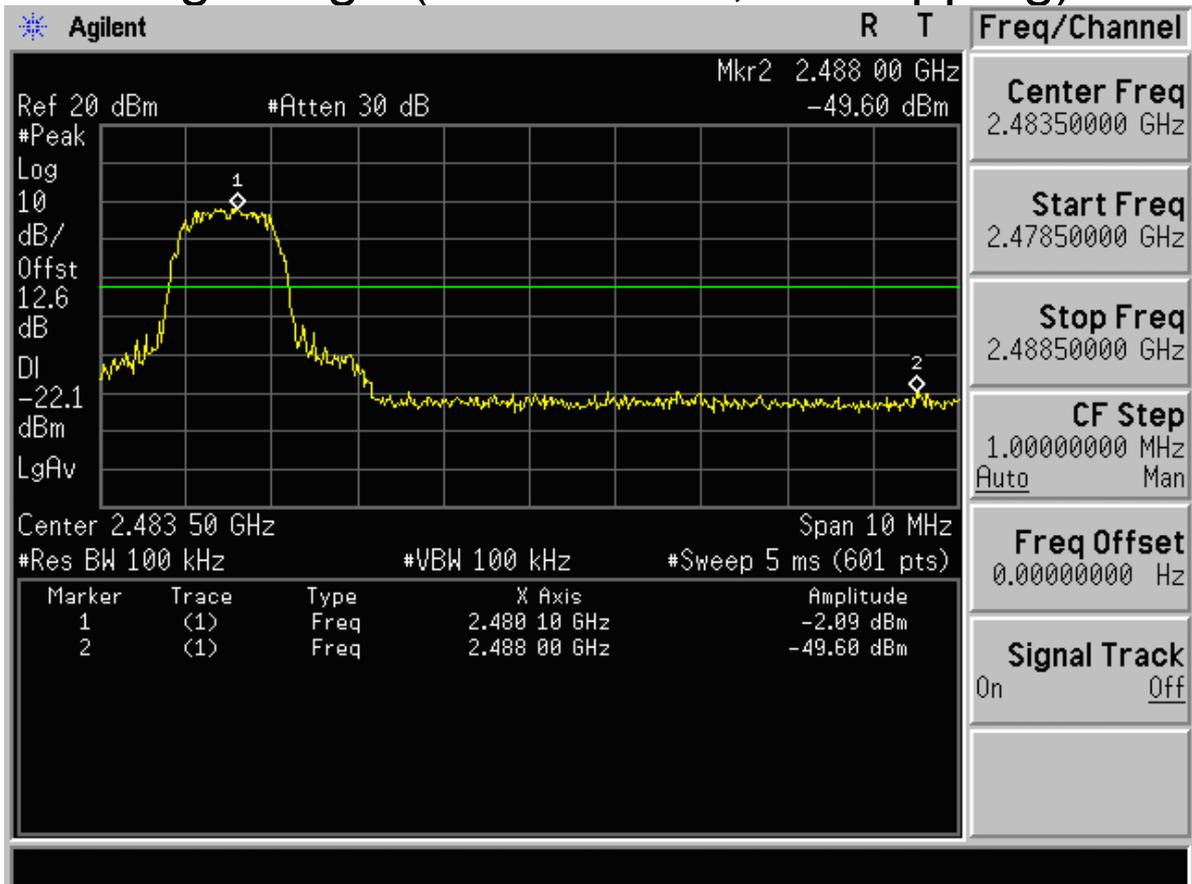


Low edge (with hopping)



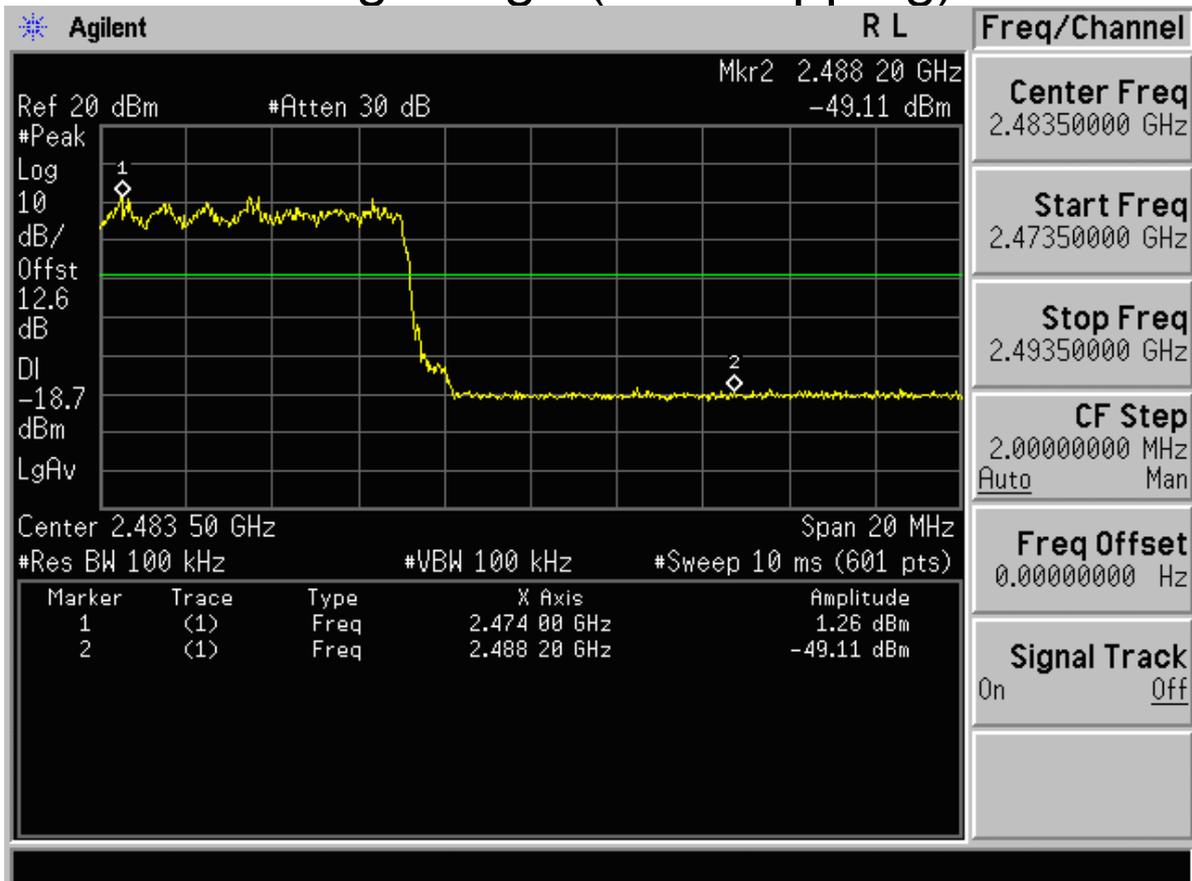


High edge (Channel 78, no hopping)





High edge (with hopping)





Appendix G

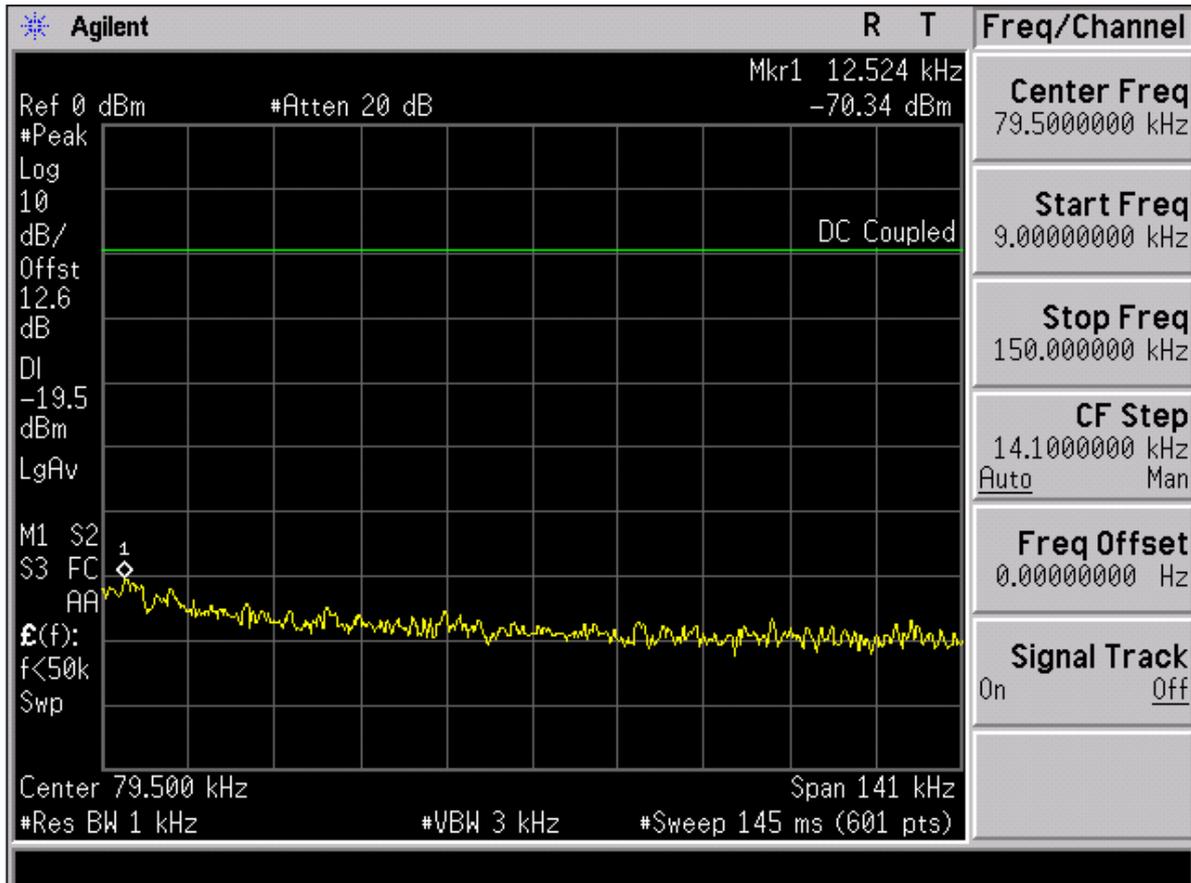
Conducted RF spurious

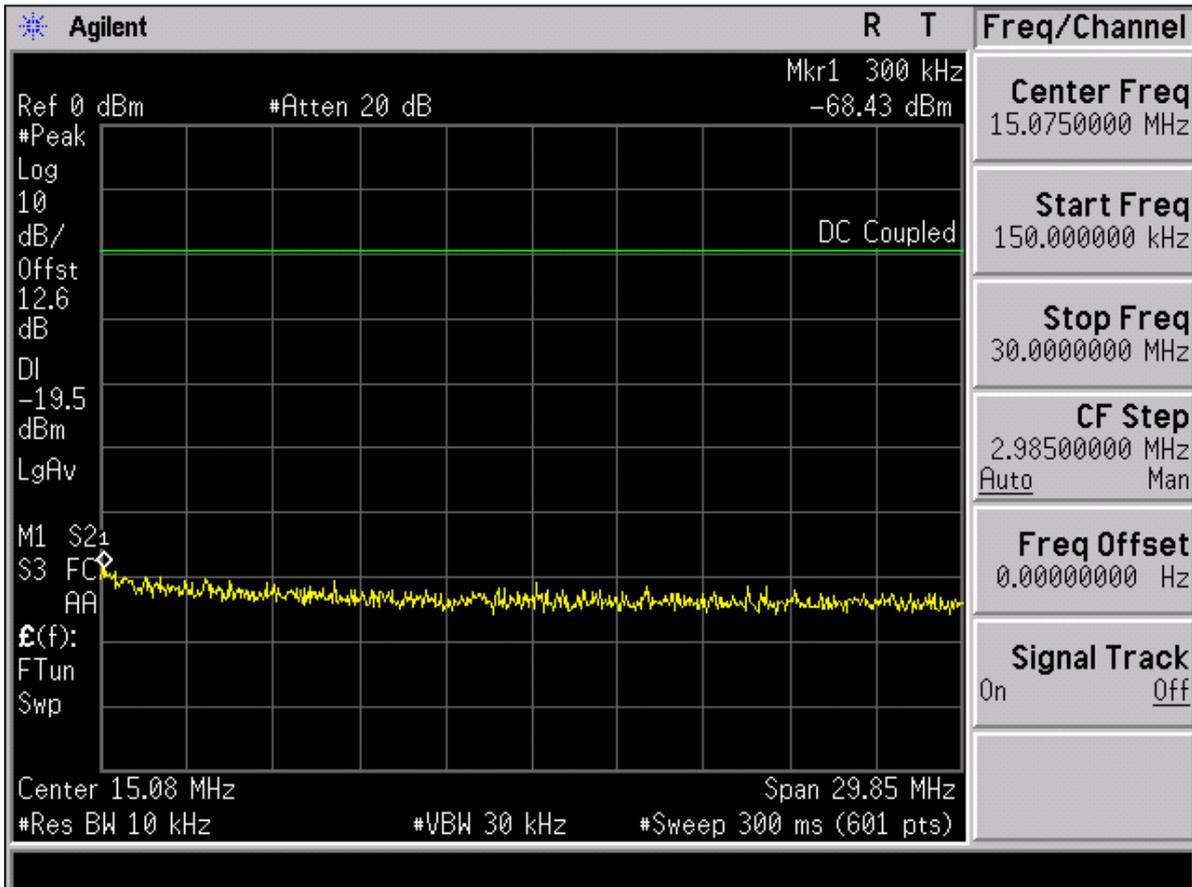
According to FCC Part 15.247 (d)

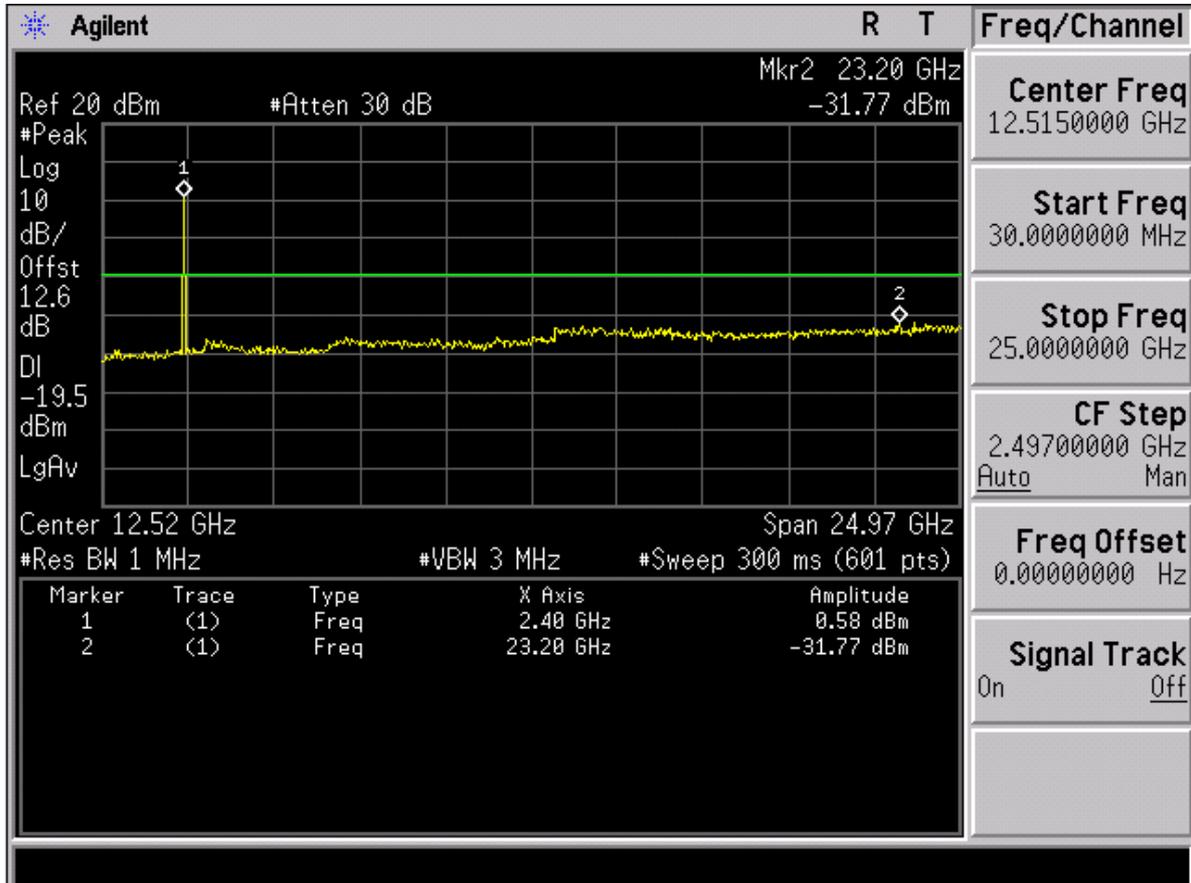


Modulation: $\pi/4$ -DQPSK

Channel 0

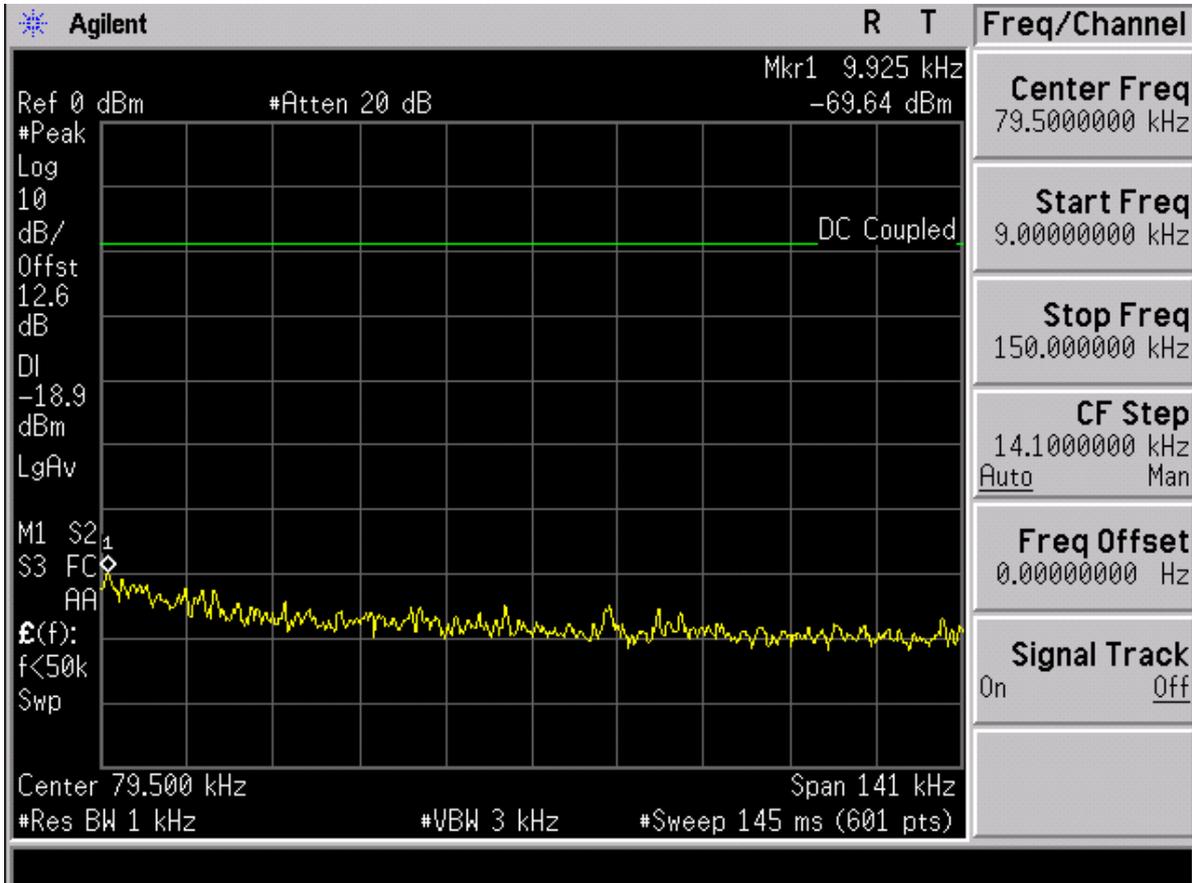


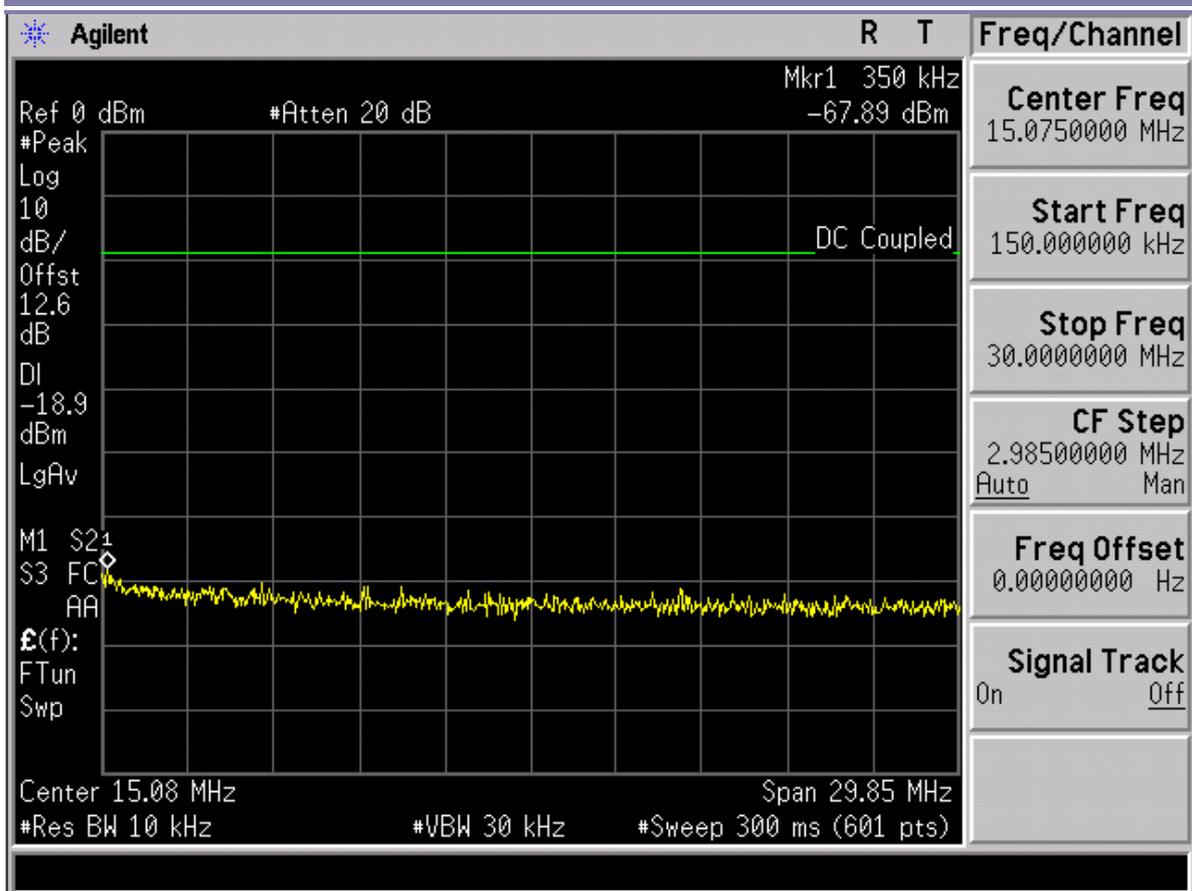


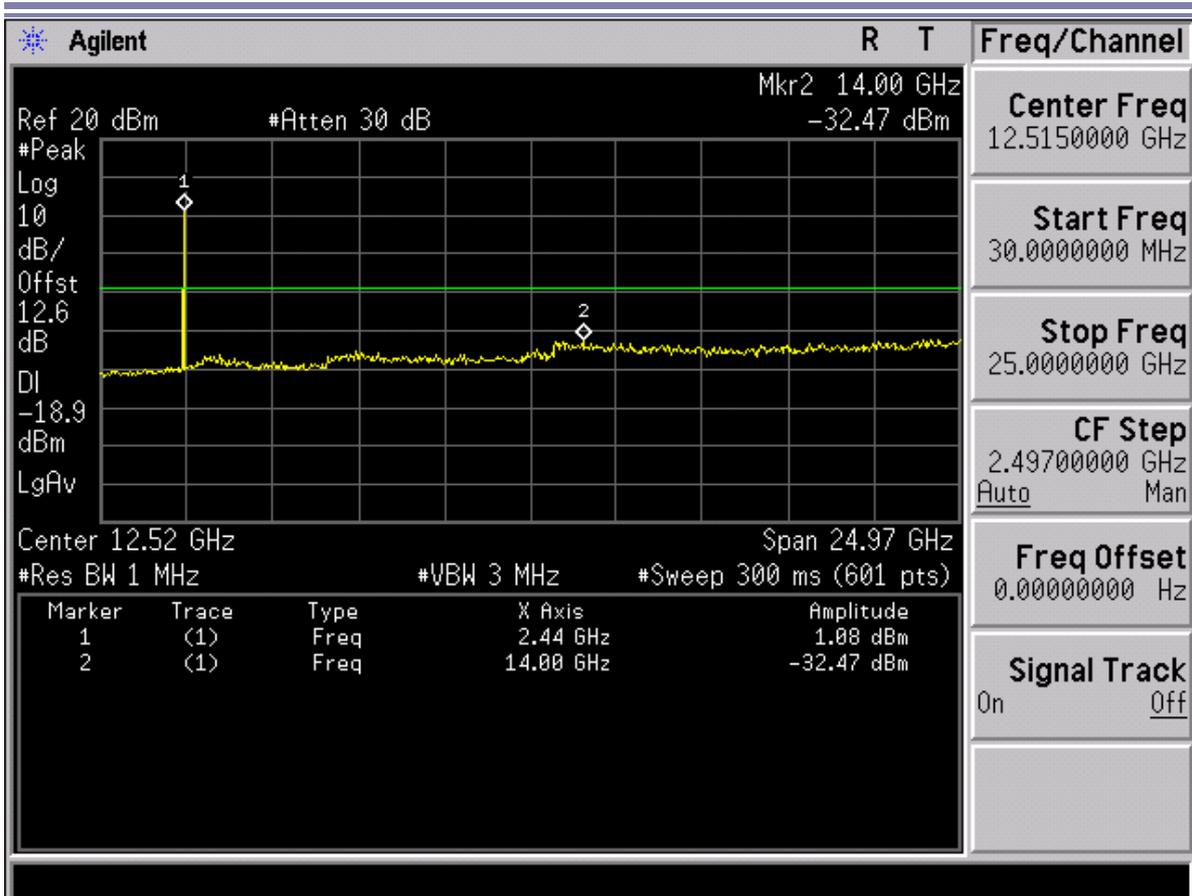




Channel 40

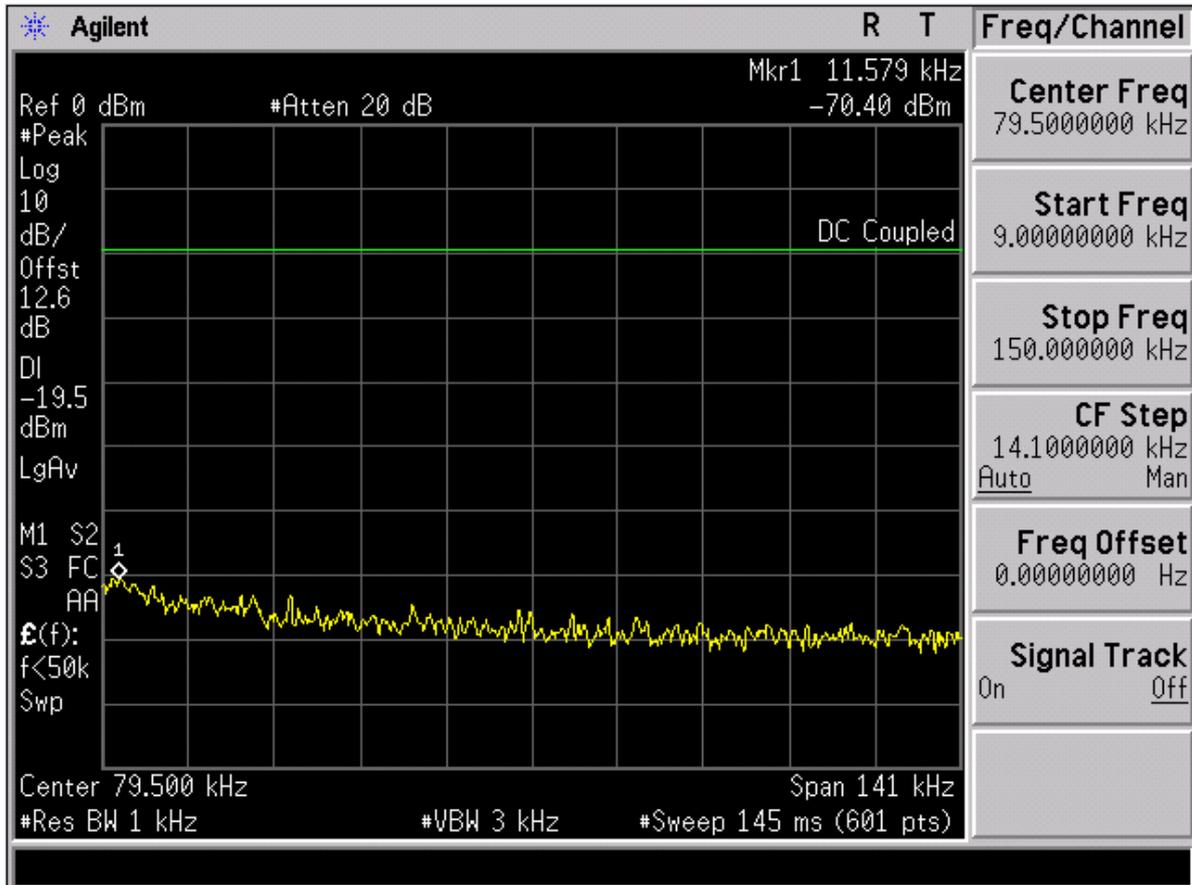


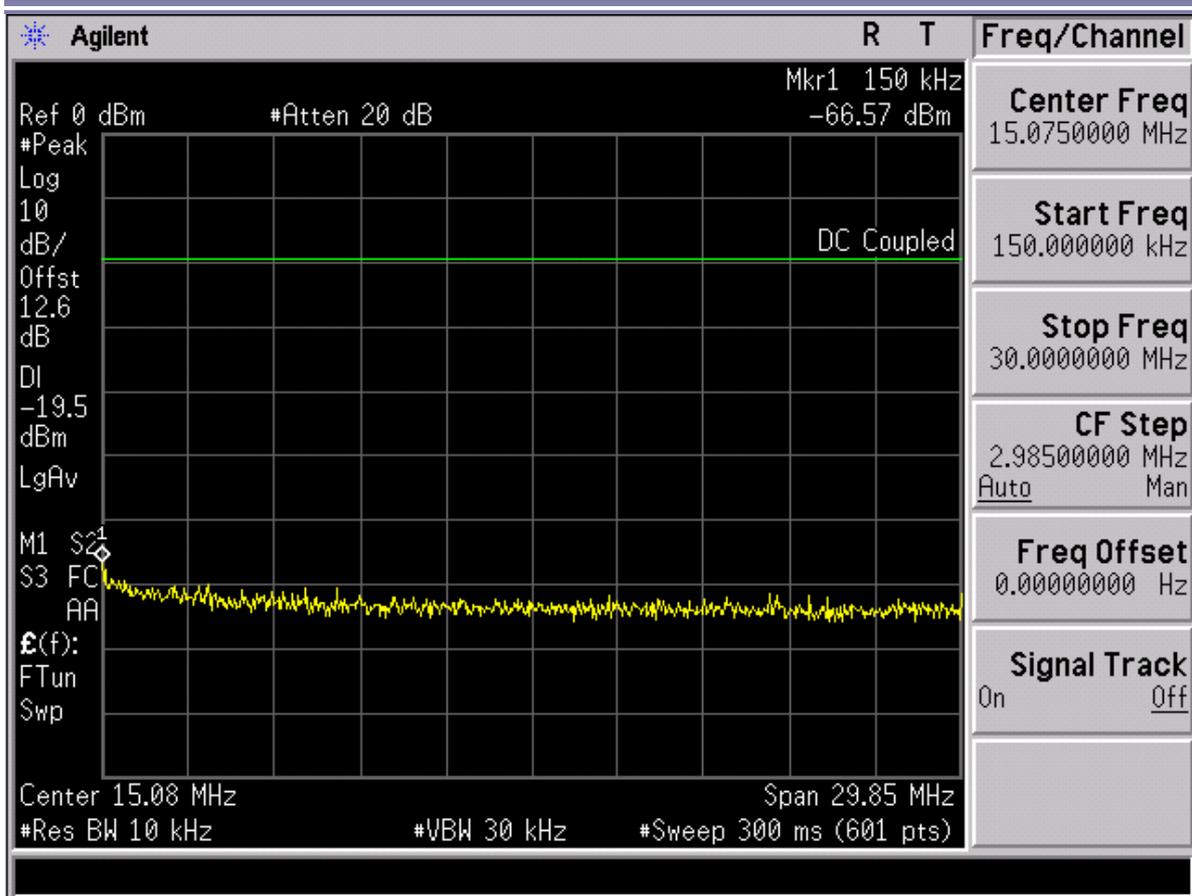


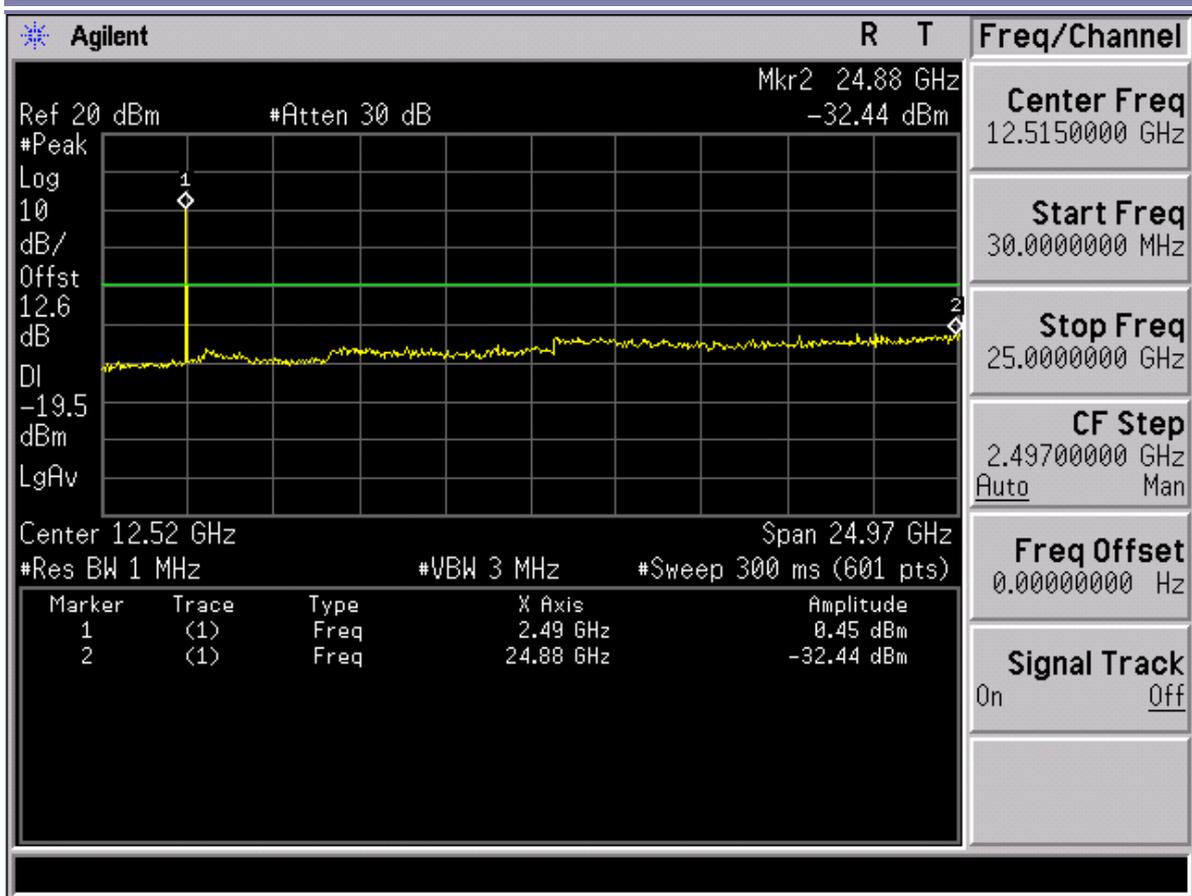




Channel 78

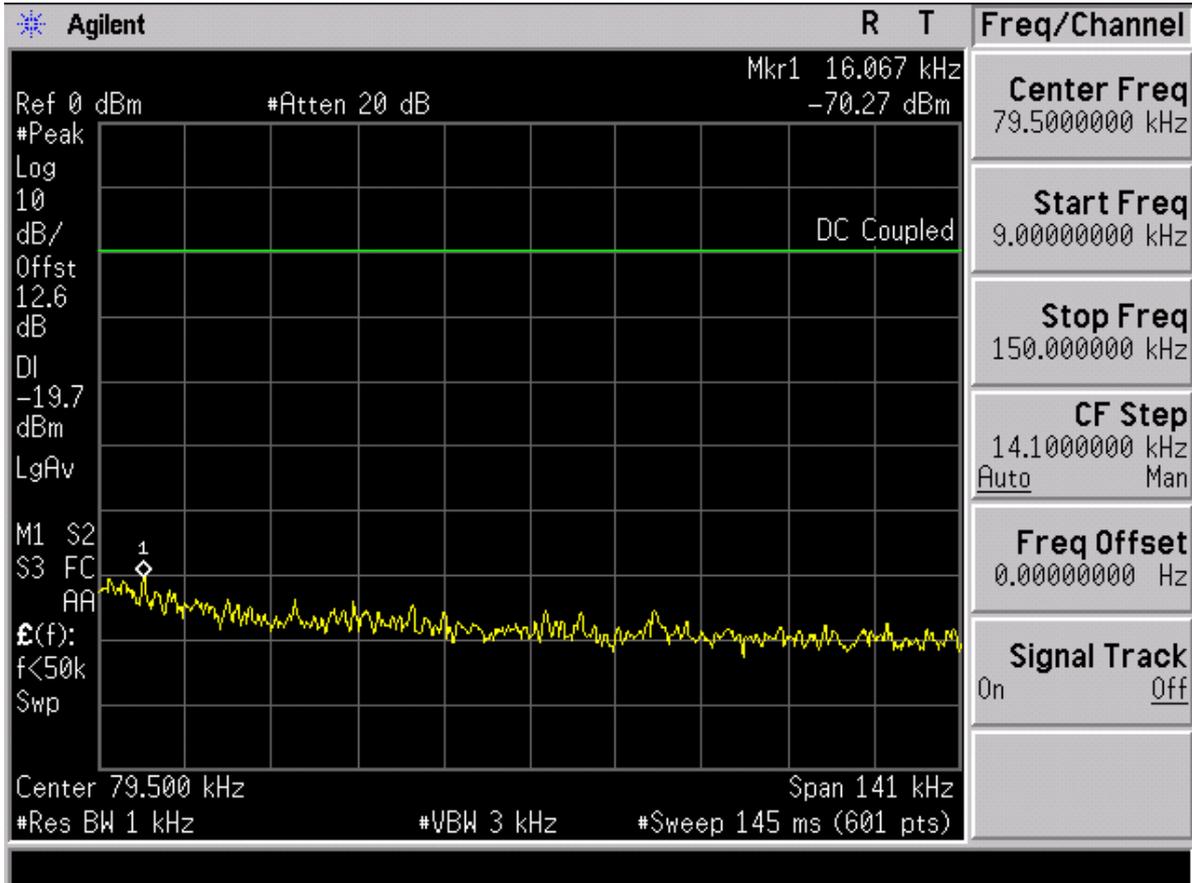


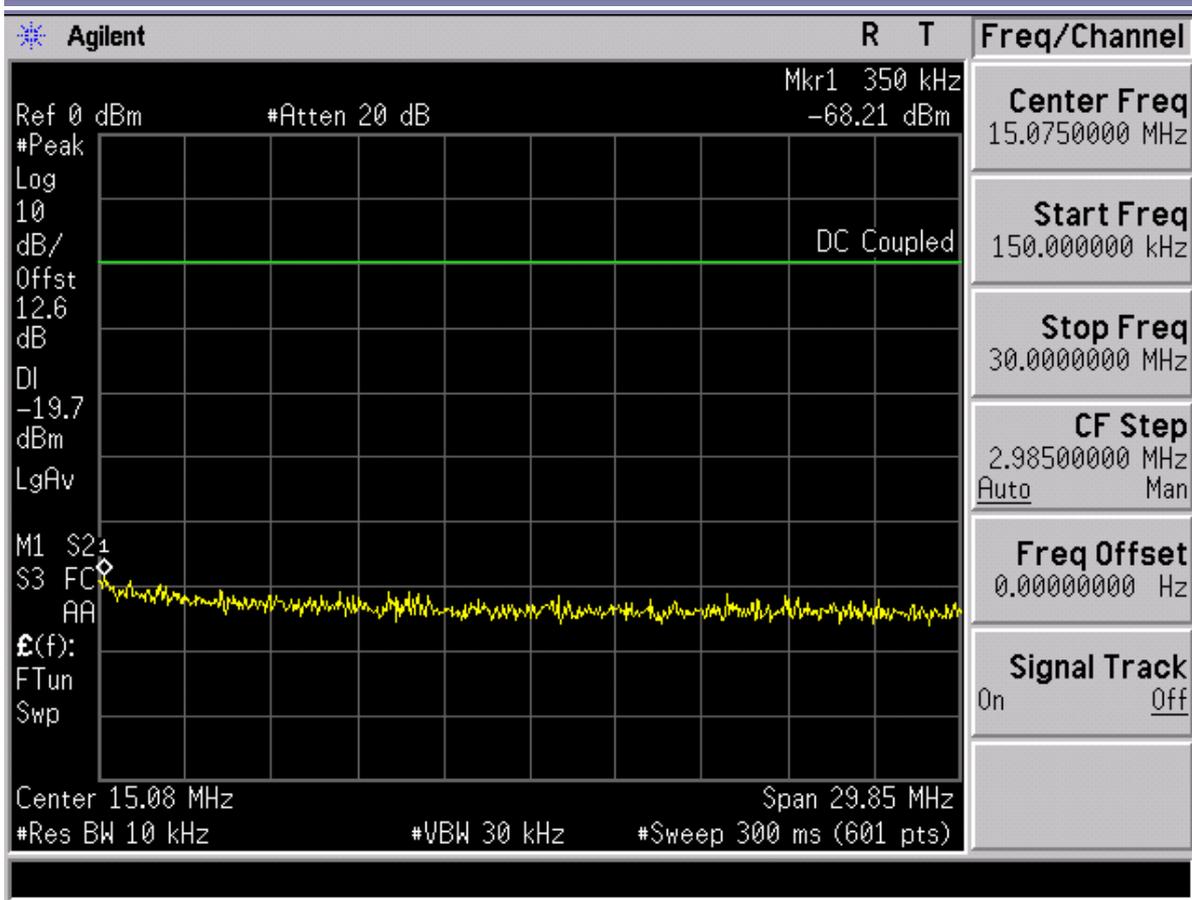


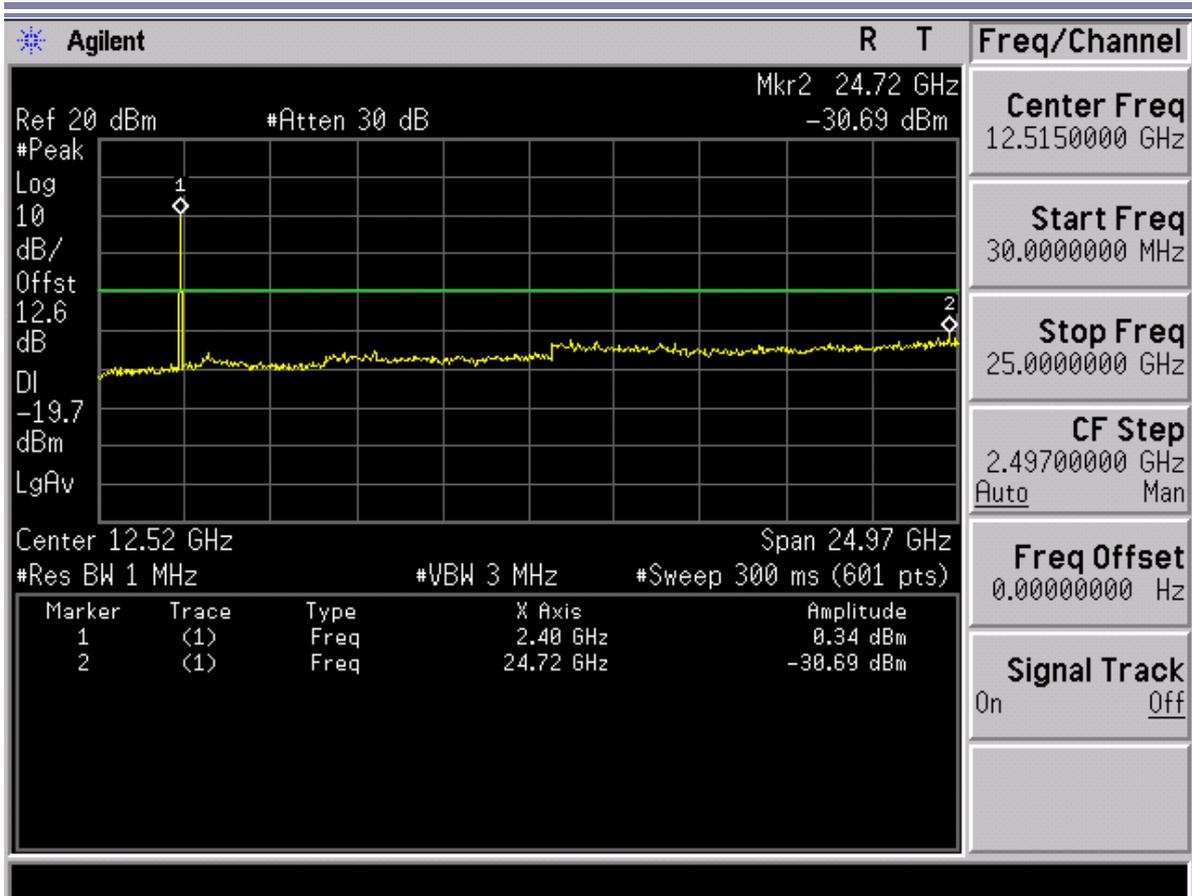




Modulation: 8DPSK Channel 0

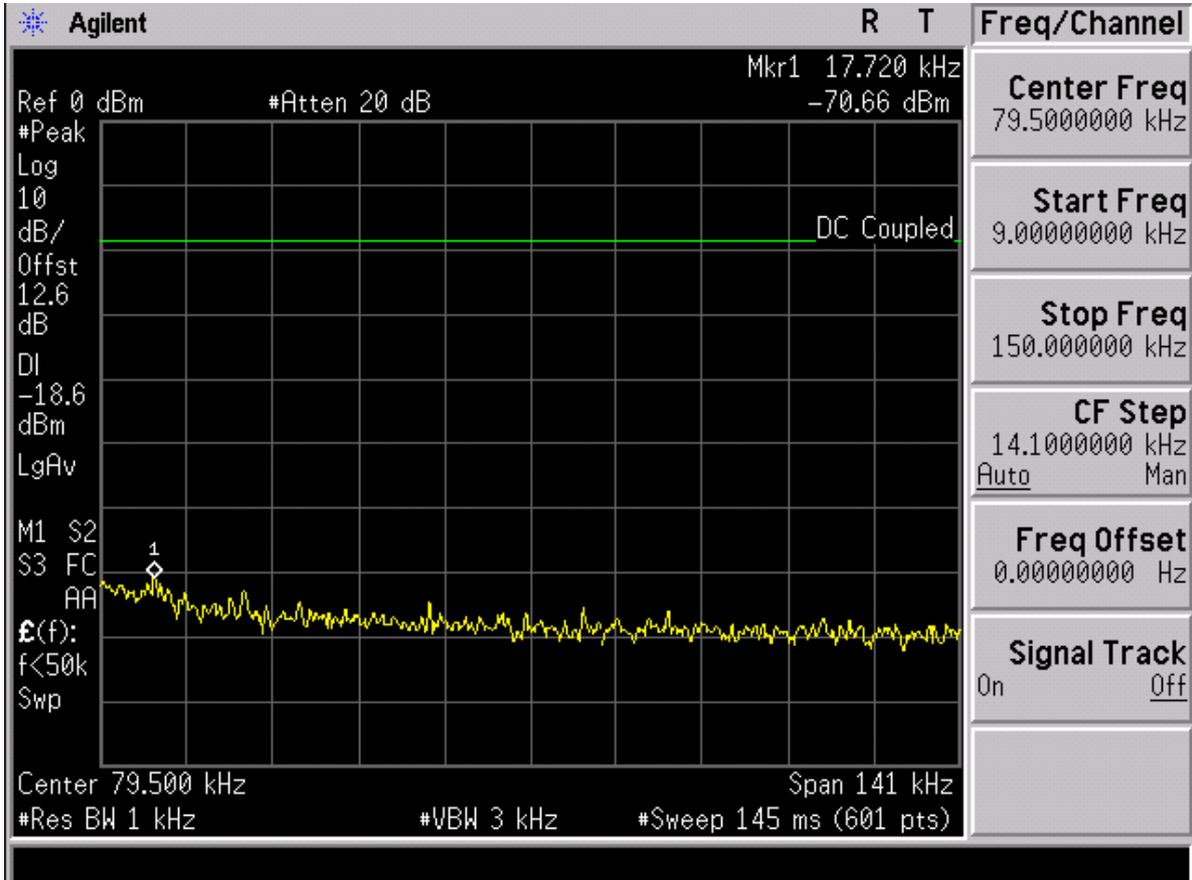


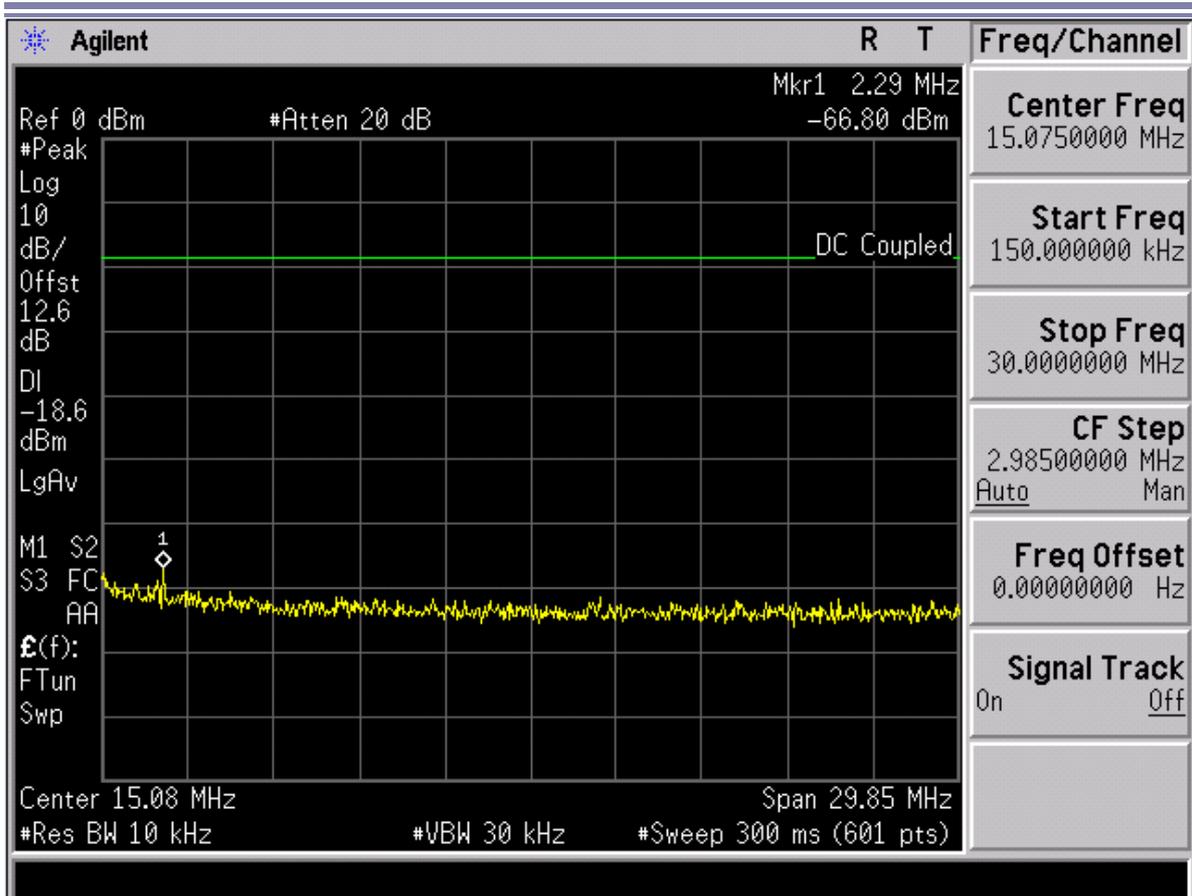


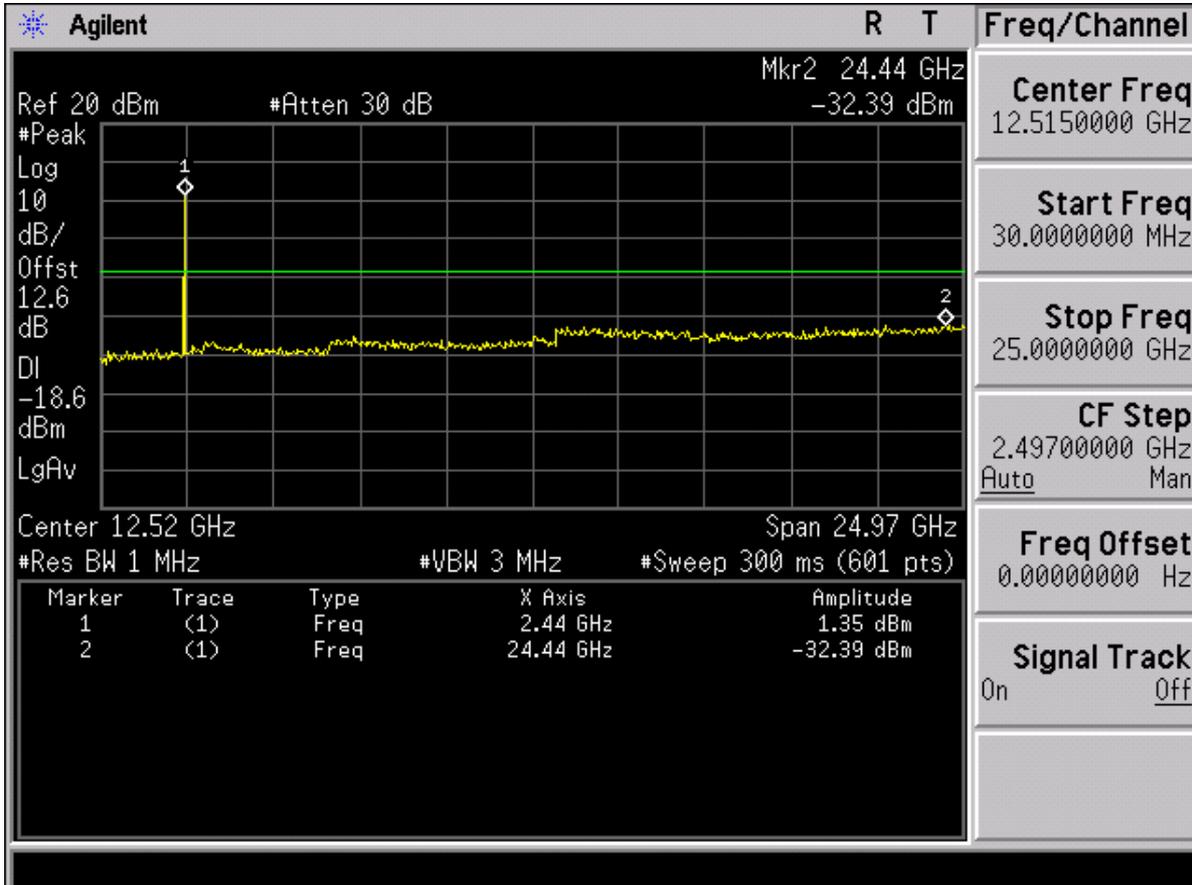




Channel 40

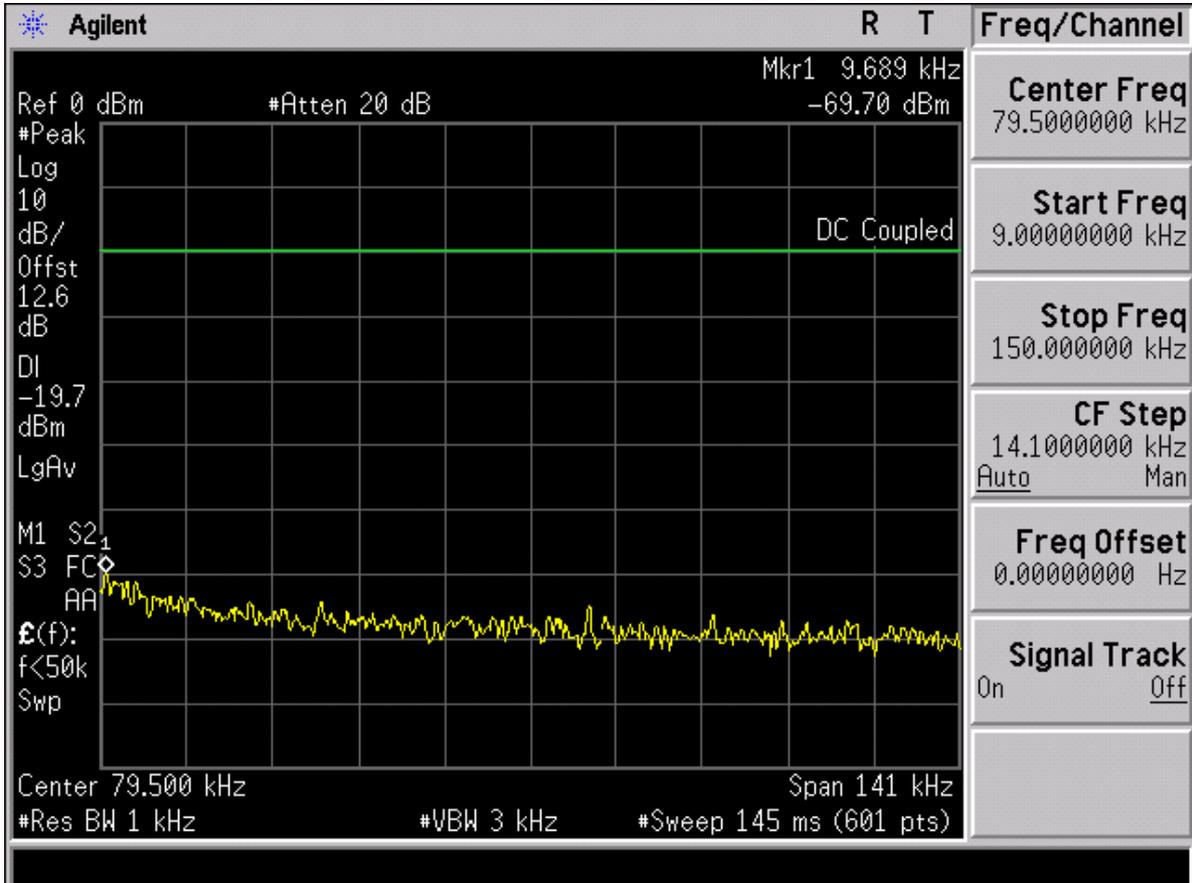


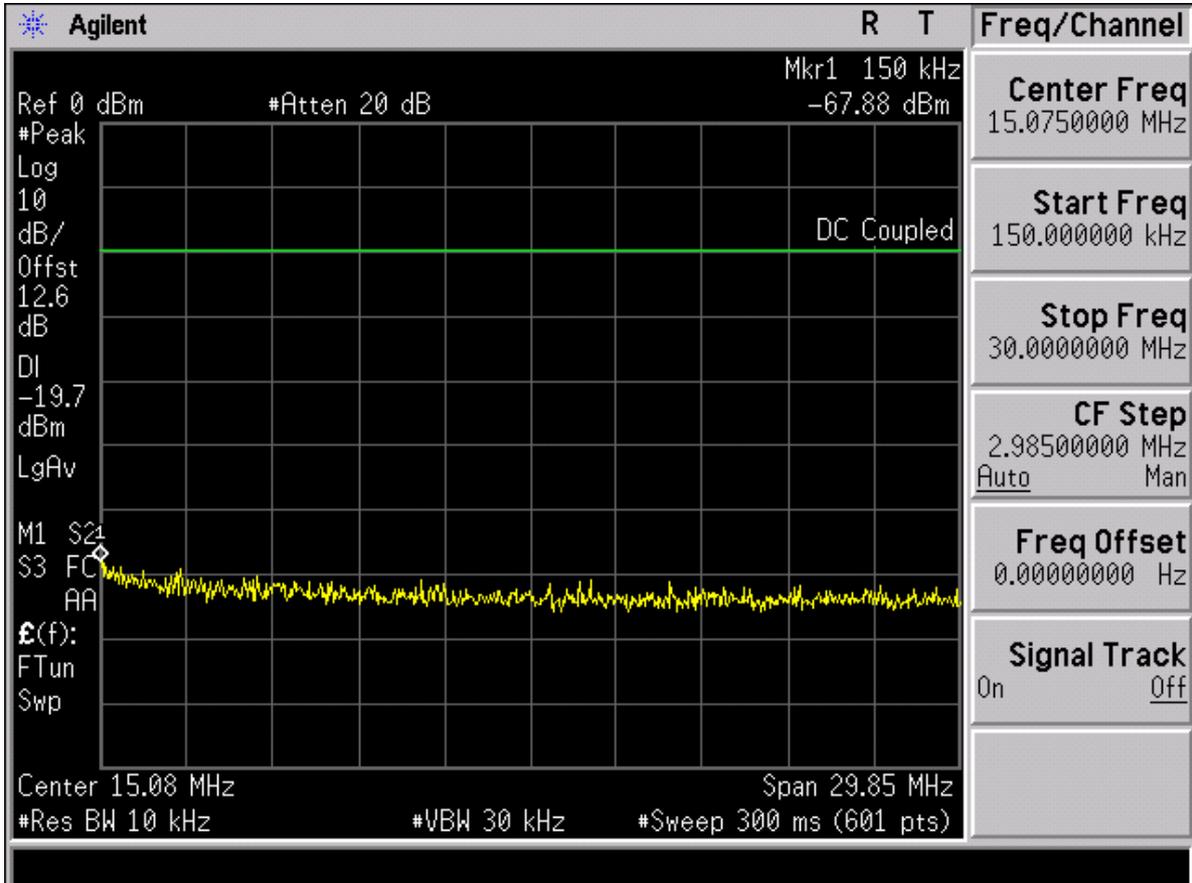


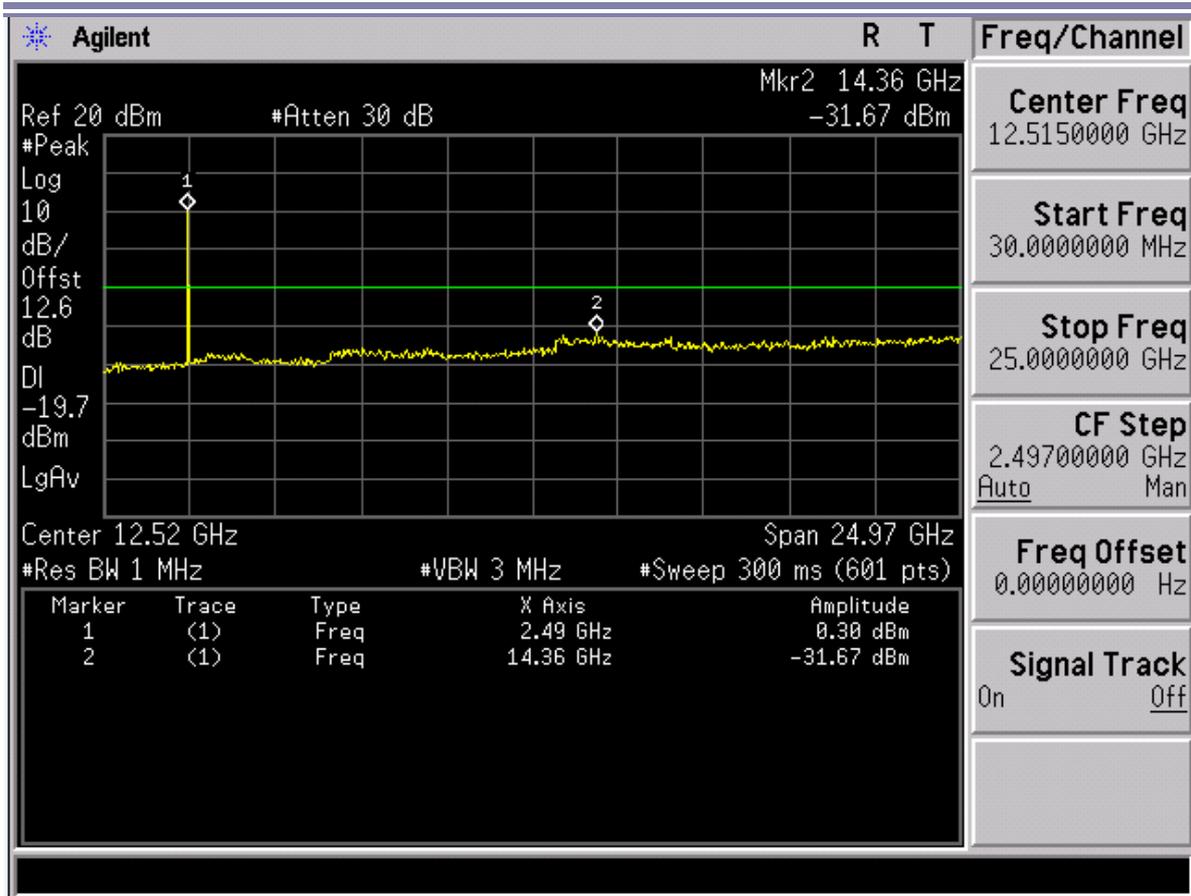




Channel 78









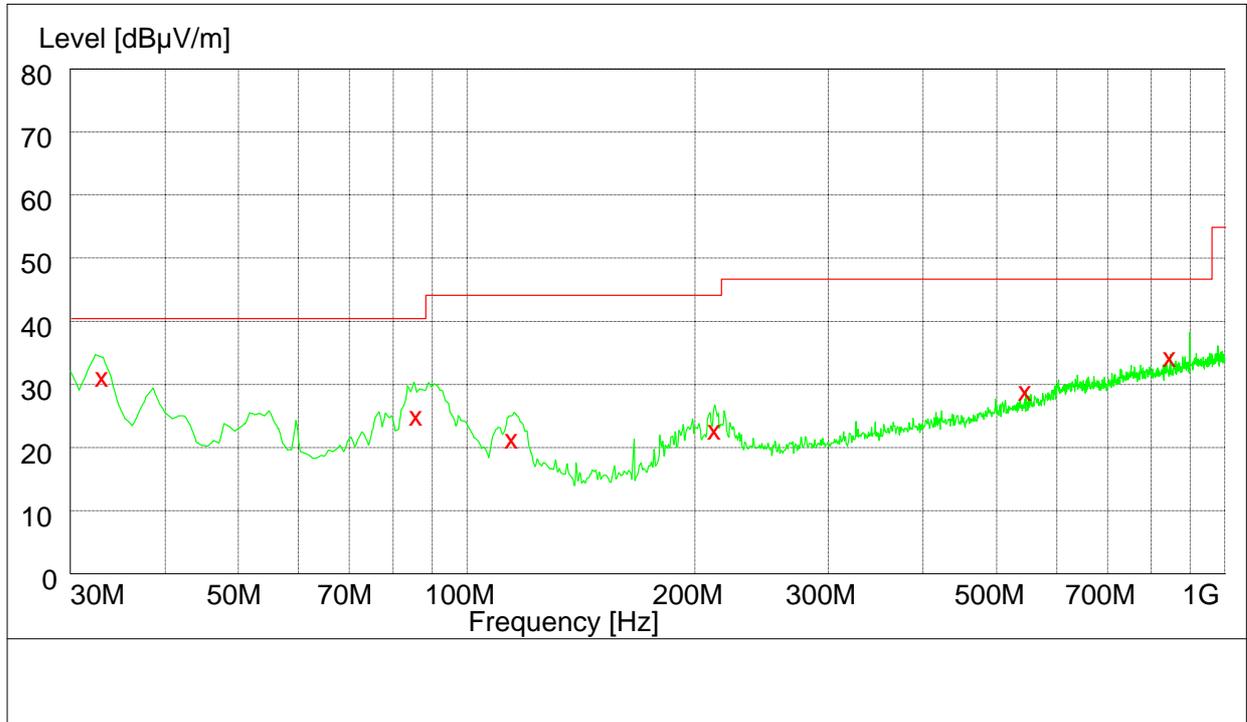
Appendix H

Radiated spurious emission

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



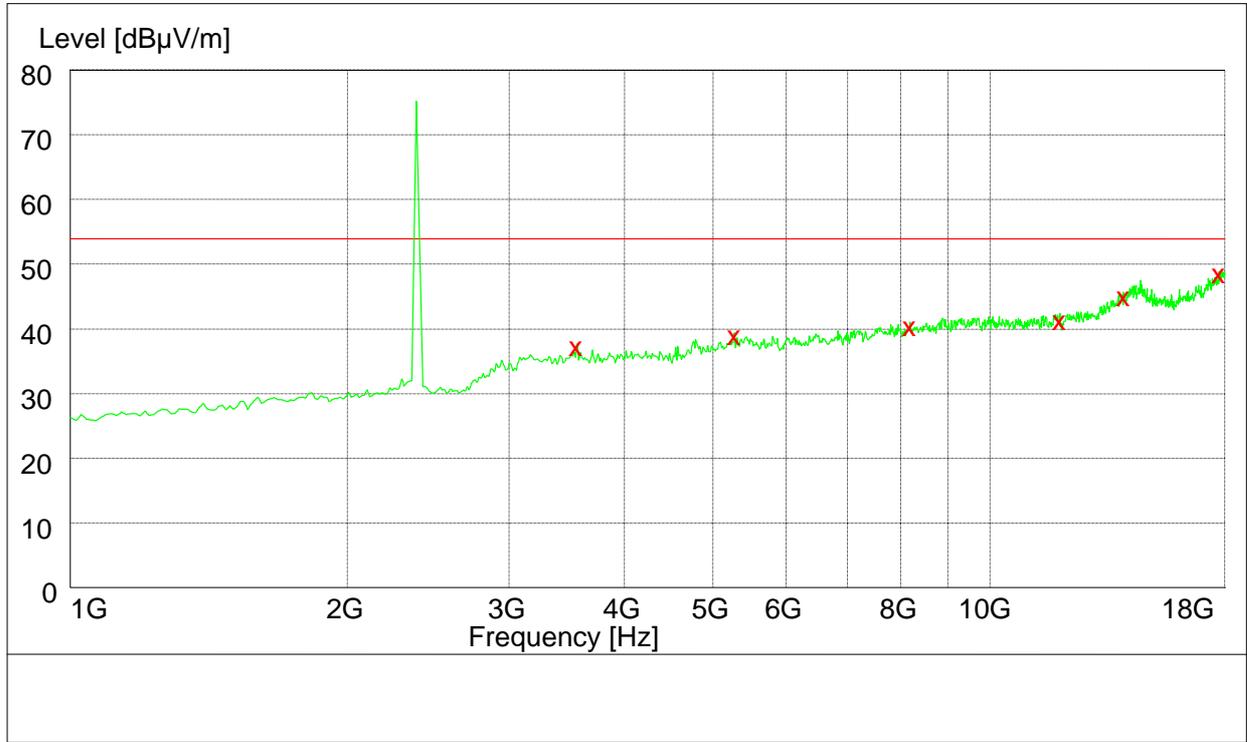
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.060000	30.20	11.7	40.0	9.8	178.0	16.00	VERTICAL
85.920000	24.90	10.5	40.0	15.1	278.0	216.00	HORIZONTAL
114.900000	21.40	11.4	43.5	22.1	219.0	55.00	HORIZONTAL
212.280000	23.20	12.4	43.5	20.3	182.0	189.00	VERTICAL
546.120000	29.70	20.9	46.0	16.3	264.0	143.00	HORIZONTAL
847.440000	34.40	25.5	46.0	11.6	298.0	328.00	HORIZONTAL



1GHz to 18GHz

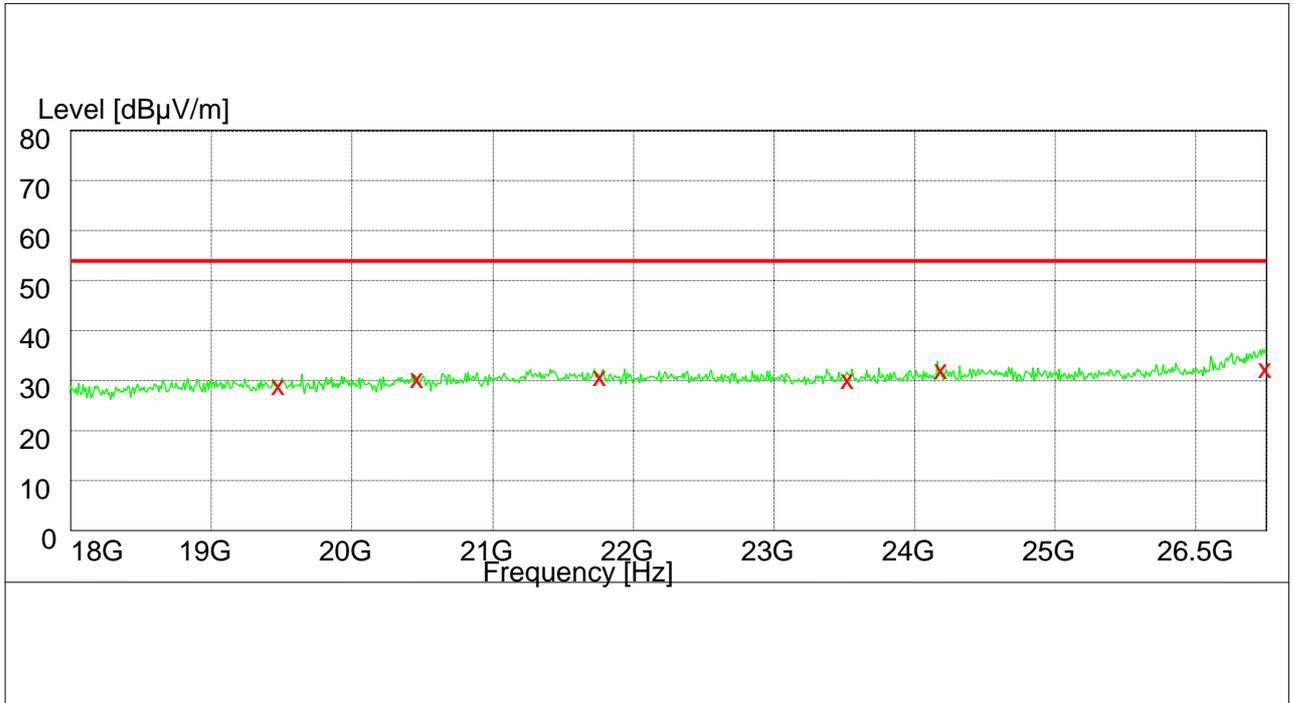


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
3550.500000	37.40	-7.2	54.0	16.6	118.0	10.00	VERTICAL
5276.000000	39.30	-2.8	54.0	14.7	176.0	357.00	VERTICAL
8178.500000	40.10	2.5	54.0	13.9	126.0	87.00	HORIZONTAL
11914.500000	40.80	6.9	54.0	13.2	189.0	277.00	HORIZONTAL
13977.000000	44.80	10.8	54.0	9.2	116.0	72.00	HORIZONTAL
17761.500000	48.60	15.9	54.0	5.4	138.0	169.00	VERTICAL



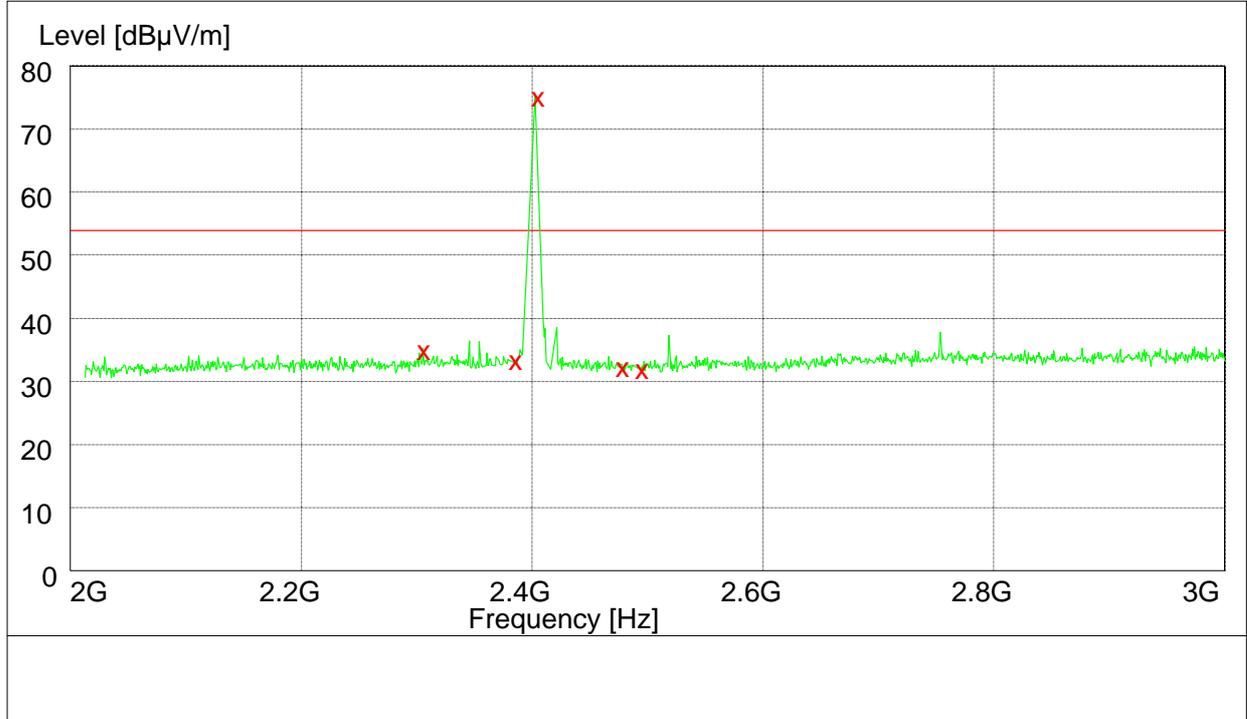
18GHz to 26GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
19490.000000	30.00	18.9	54.0	24.0	183.0	329.00	HORIZONTAL
20489.000000	30.90	19.7	54.0	23.1	200.0	123.00	VERTICAL
21781.000000	31.00	20.5	54.0	23.0	172.0	353.00	HORIZONTAL
23512.000000	30.70	20.5	54.0	23.3	144.0	232.00	VERTICAL
24202.000000	32.10	21.5	54.0	21.9	188.0	222.00	VERTICAL
26497.000000	32.20	27.9	54.0	21.8	104.0	37.00	HORIZONTAL



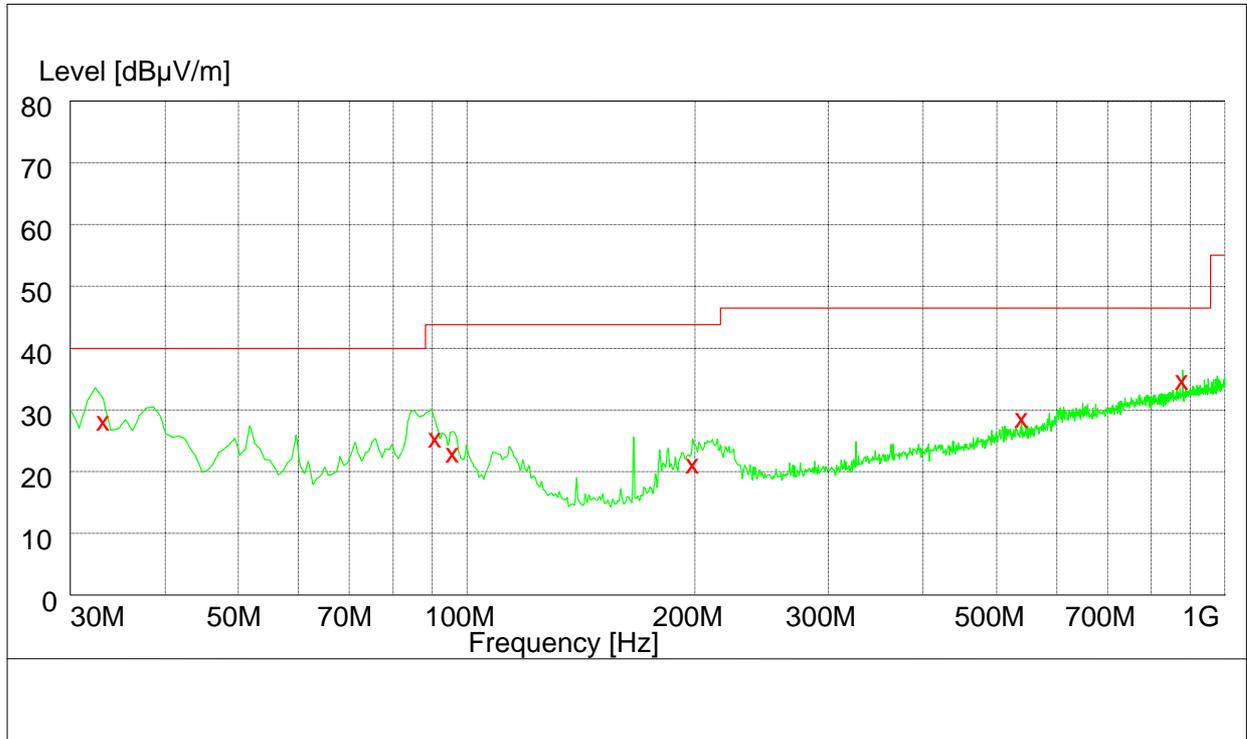
2GHz to 3GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	34.80	-11.9	54.0	19.2	131.0	288.00	HORIZONTAL
2390.000000	32.40	-11.6	54.0	21.6	137.0	77.00	VERTICAL
2402.000000	75.20	-11.5	54.0	-20.2	189.0	145.00	VERTICAL
2483.500000	31.60	-11.3	54.0	22.4	198.0	154.00	HORIZONTAL
2500.000000	31.30	-11.1	54.0	22.7	176.0	138.00	HORIZONTAL



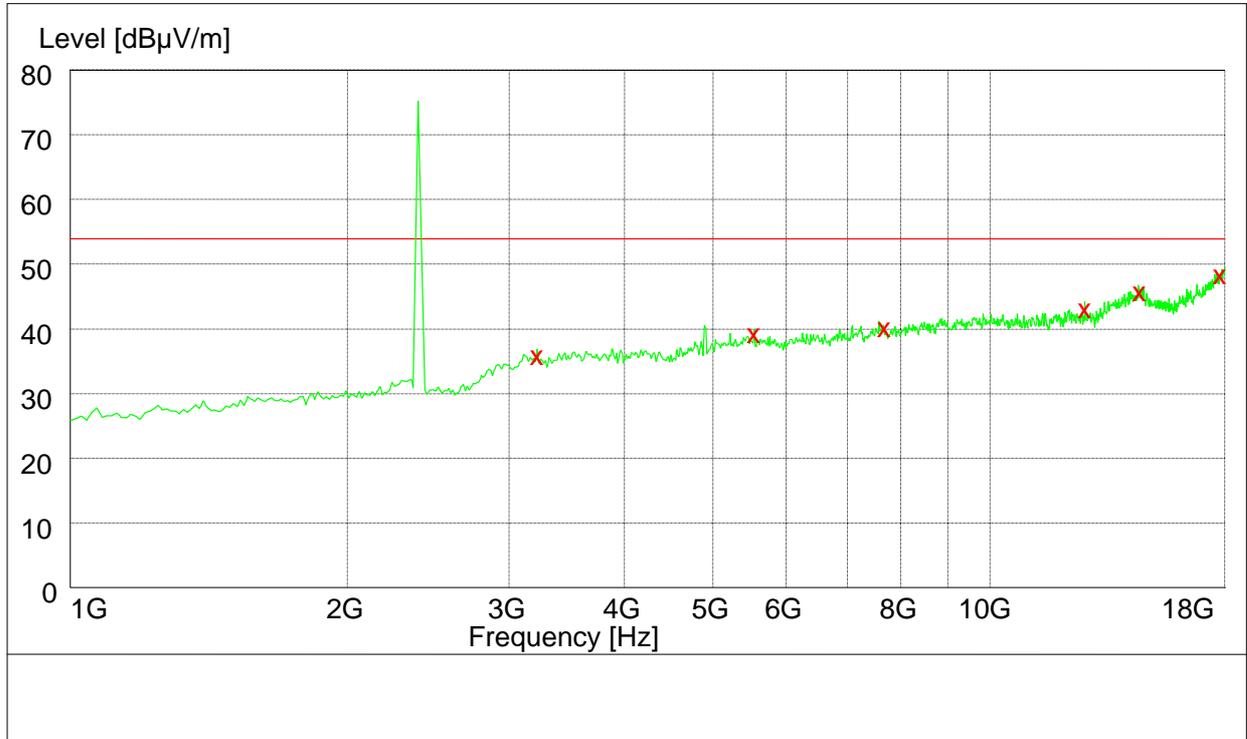
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.180000	28.60	11.7	40.0	11.4	258.0	228.00	VERTICAL
90.360000	25.70	11.8	43.5	17.8	111.0	172.00	HORIZONTAL
95.940000	23.10	12.8	43.5	20.4	254.0	332.00	VERTICAL
199.020000	21.40	12.1	43.5	22.1	181.0	268.00	VERTICAL
539.940000	29.10	20.9	46.0	16.9	185.0	336.00	HORIZONTAL
880.200000	35.40	26.1	46.0	10.6	130.0	18.00	VERTICAL



1GHz to 18GHz

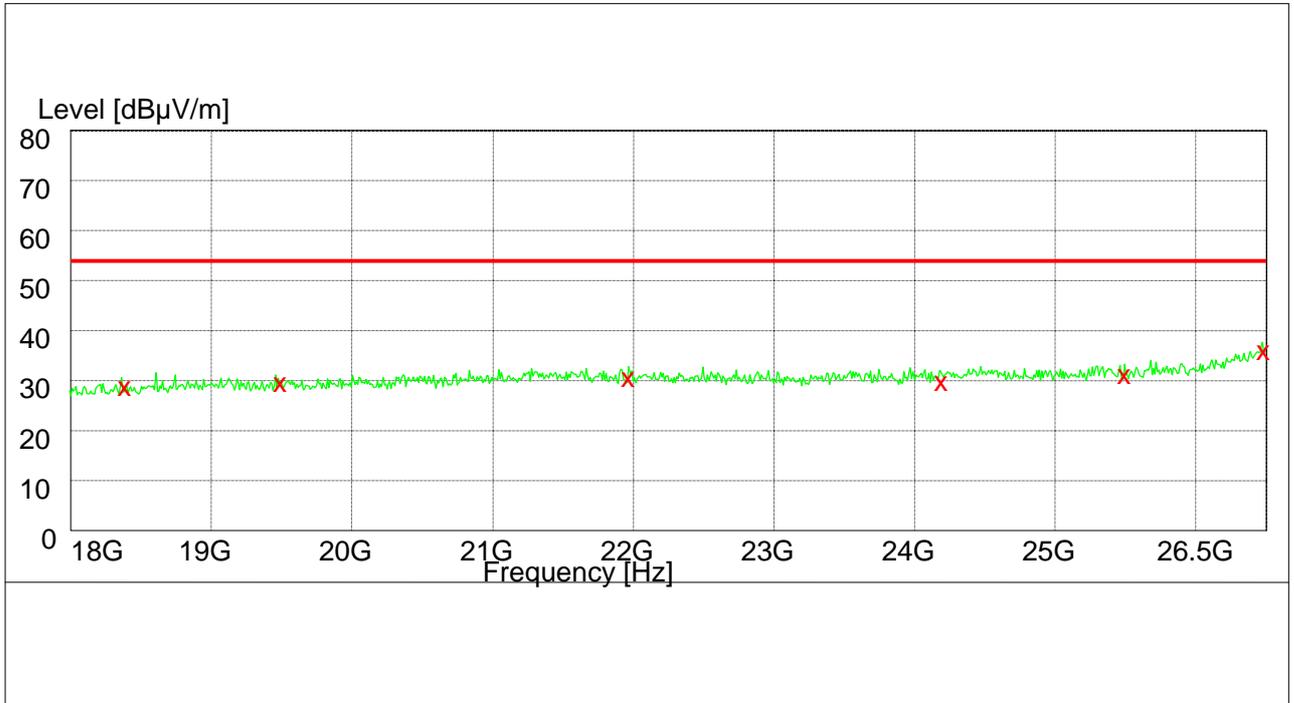


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
3223.500000	36.40	-8.3	54.0	17.6	122.0	15.00	VERTICAL
5540.500000	39.70	-2.3	54.0	14.3	106.0	83.00	VERTICAL
7572.500000	40.20	1.6	54.0	13.8	123.0	63.00	HORIZONTAL
12688.500000	43.70	8.4	54.0	10.3	132.0	264.00	VERTICAL
14475.500000	46.20	12.3	54.0	7.8	184.0	221.00	HORIZONTAL
17985.000000	49.30	17.2	54.0	4.7	185.0	212.00	HORIZONTAL



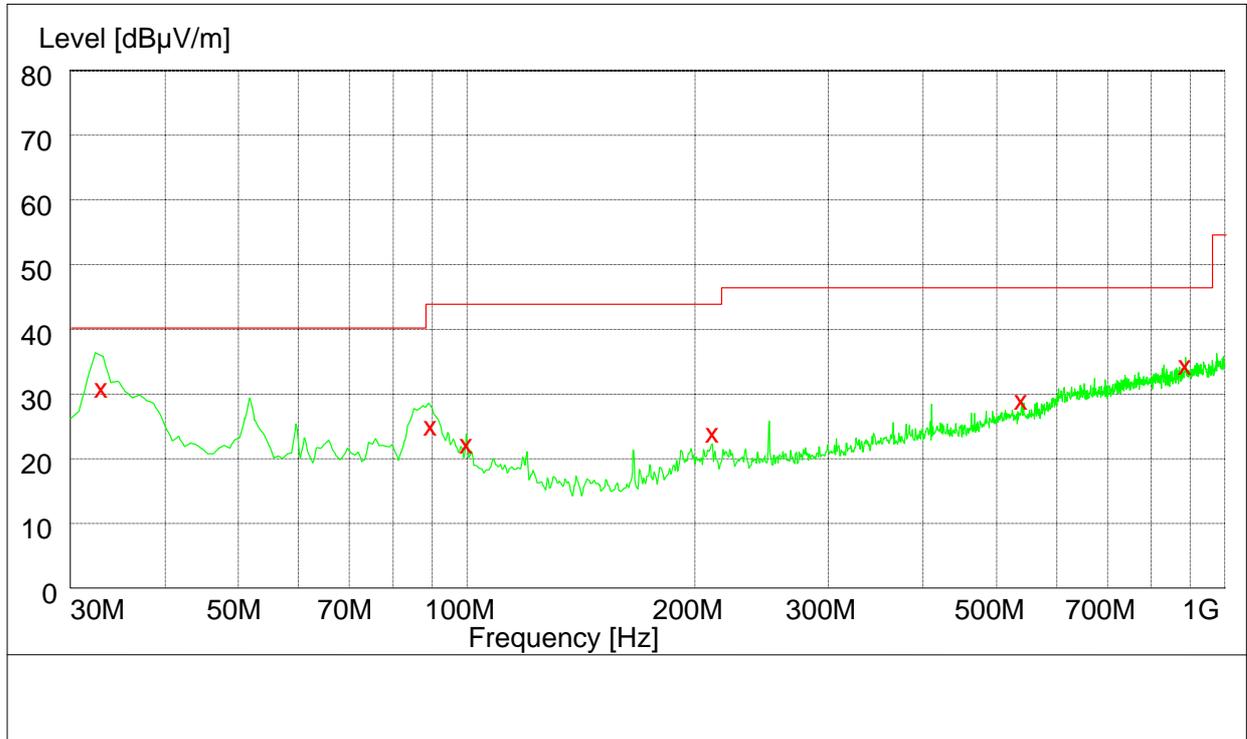
18GHz to 26GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
18455.000000	30.00	16.5	54.0	24.0	181.0	290.00	HORIZONTAL
19505.000000	30.10	18.9	54.0	23.9	199.0	262.00	VERTICAL
21991.000000	31.20	20.8	54.0	22.8	148.0	325.00	HORIZONTAL
24190.000000	30.50	21.5	54.0	23.5	109.0	54.00	HORIZONTAL
25490.000000	31.30	23.3	54.0	22.7	114.0	61.00	VERTICAL
26492.000000	38.60	27.9	54.0	15.4	117.0	130.00	VERTICAL



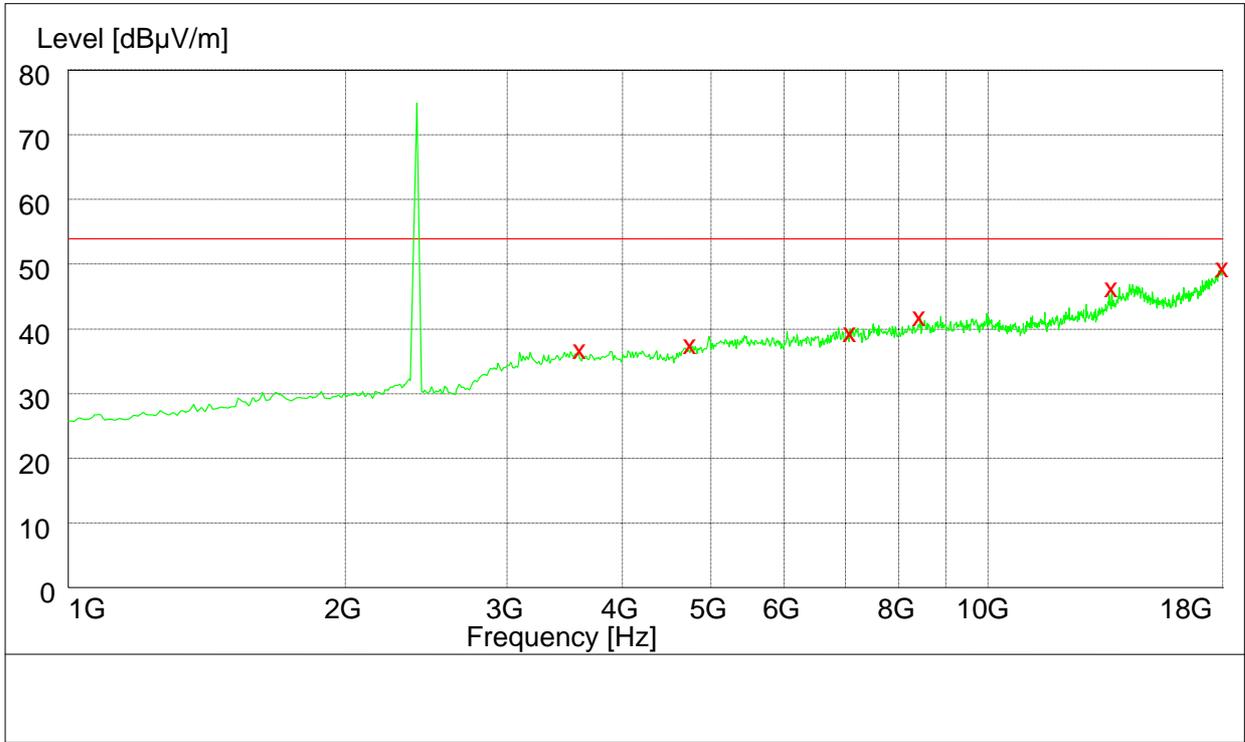
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.000000	30.50	11.7	40.0	9.5	269.0	144.00	HORIZONTAL
89.760000	25.40	11.7	43.5	18.1	138.0	125.00	HORIZONTAL
100.020000	22.10	13.1	43.5	21.4	244.0	42.00	VERTICAL
211.200000	24.10	12.4	43.5	19.4	267.0	190.00	HORIZONTAL
539.760000	29.70	20.9	46.0	18.3	259.0	189.00	HORIZONTAL
888.060000	34.80	26.2	46.0	11.2	115.0	221.00	VERTICAL



1GHz to 18GHz

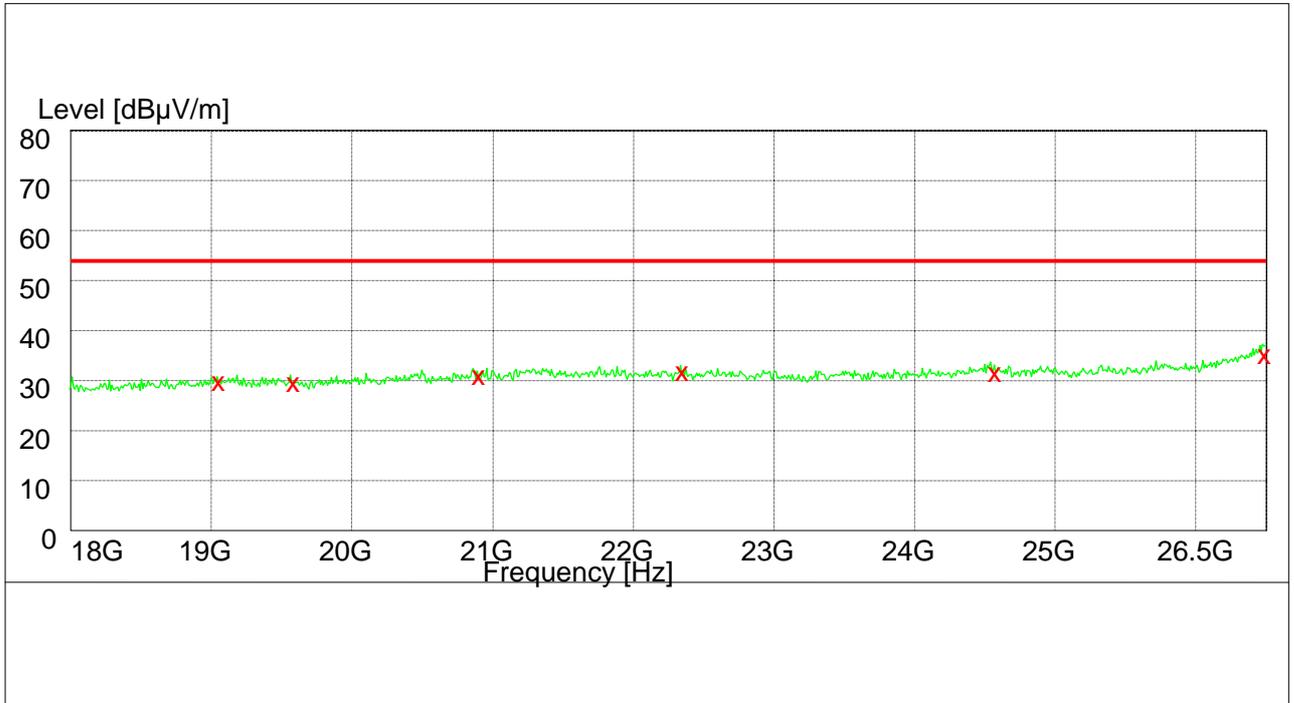


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
3601.500000	36.70	-7.0	54.0	17.3	181.0	272.00	HORIZONTAL
4746.500000	37.40	-4.2	54.0	16.6	115.0	121.00	VERTICAL
7082.000000	39.70	0.4	54.0	14.3	101.0	57.00	VERTICAL
8435.500000	42.10	3.0	54.0	11.9	151.0	328.00	HORIZONTAL
13640.000000	46.50	10.2	54.0	7.5	120.0	66.00	VERTICAL
17987.500000	49.80	17.2	54.0	4.2	188.0	287.00	HORIZONTAL



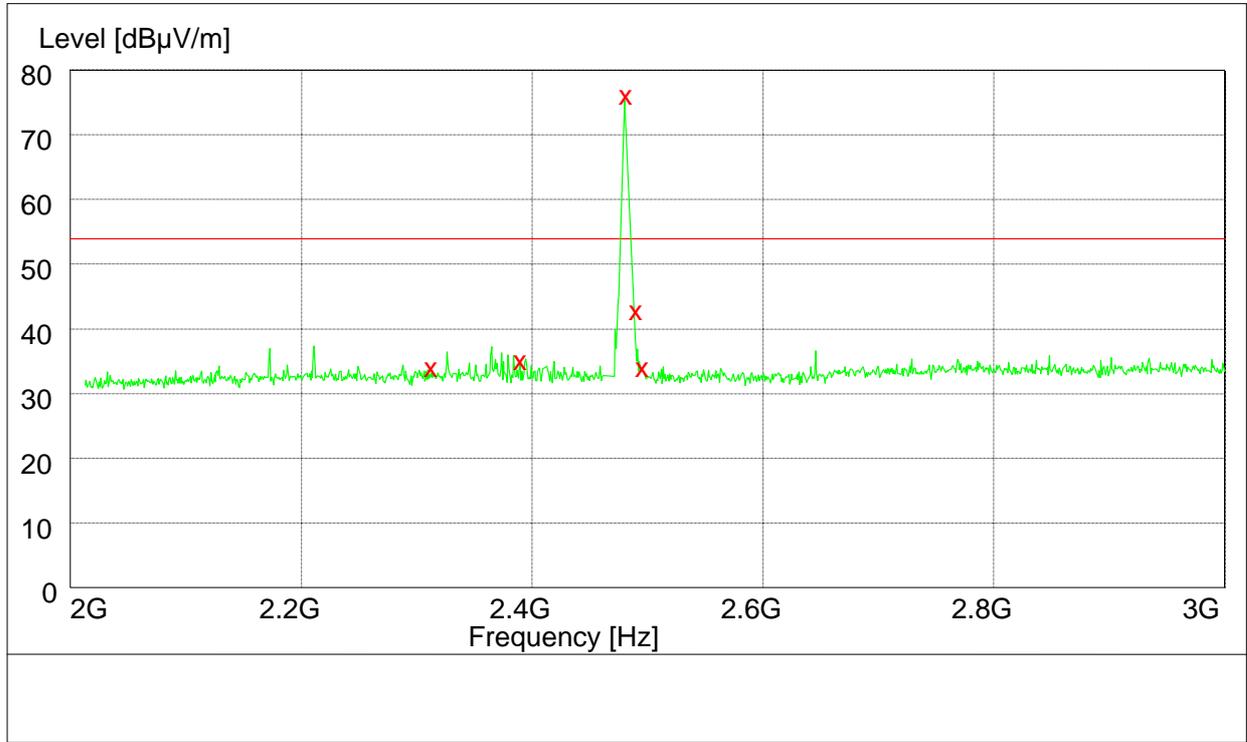
18GHz to 26GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
19010.500000	30.40	18.6	54.0	23.6	159.0	218.00	HORIZONTAL
19541.000000	30.30	19.1	54.0	23.7	127.0	310.00	HORIZONTAL
20889.000000	31.20	20.2	54.0	22.8	112.0	215.00	VERTICAL
22379.000000	32.60	20.3	54.0	21.4	126.0	68.00	VERTICAL
24558.000000	31.90	22.0	54.0	22.1	146.0	248.00	VERTICAL
26494.000000	37.40	27.9	54.0	16.6	112.0	48.00	VERTICAL



2GHz to 3GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	33.40	-11.9	54.0	20.6	161.0	166.00	HORIZONTAL
2390.000000	34.50	-11.6	54.0	19.5	144.0	56.00	VERTICAL
2480.000000	76.30	-11.3	54.0	-22.3	117.0	189.00	HORIZONTAL
2483.500000	42.30	-11.3	54.0	11.7	152.0	198.00	HORIZONTAL
2500.000000	32.90	-11.1	54.0	21.1	132.0	38.00	VERTICAL



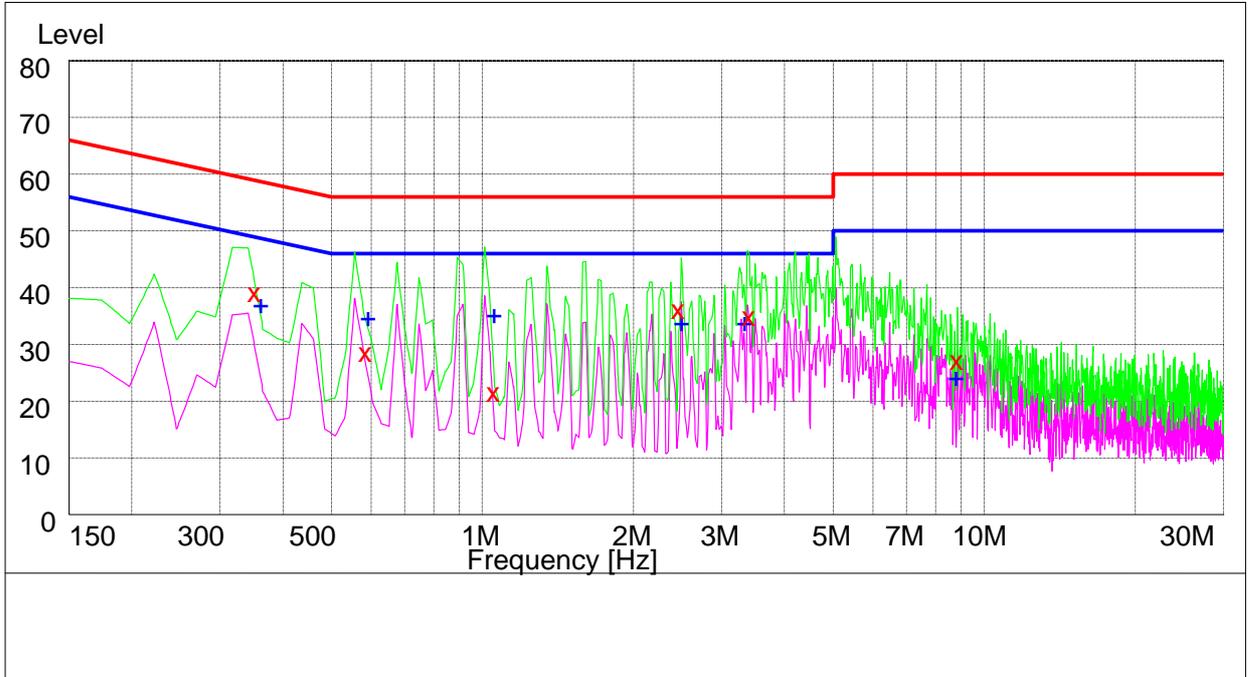
Appendix I

Conducted Emission at Power Port

According to FCC Part 15.207



Channel 40



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level $dB\mu V$	Transd dB	Limit $dB\mu V$	Margin dB	Line	PE
0.352500	40.40	10.0	59	18.6	N	FLO
0.586500	29.80	10.1	56	26.2	N	FLO
1.054500	22.80	10.1	56	33.2	N	FLO
2.463000	37.30	10.1	56	18.7	N	FLO
3.408000	36.10	10.2	56	19.9	N	FLO
8.839500	28.50	10.3	60	31.5	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level $dB\mu V$	Transd dB	Limit $dB\mu V$	Margin dB	Line	PE
0.361500	38.30	10.0	49	10.7	N	FLO
0.591000	35.90	10.1	46	10.1	N	FLO
1.054500	36.40	10.1	46	8.6	L1	FLO
2.490000	35.10	10.1	46	10.9	N	FLO
3.331500	35.10	10.2	46	10.9	N	FLO
8.803500	25.40	10.3	50	24.6	N	FLO

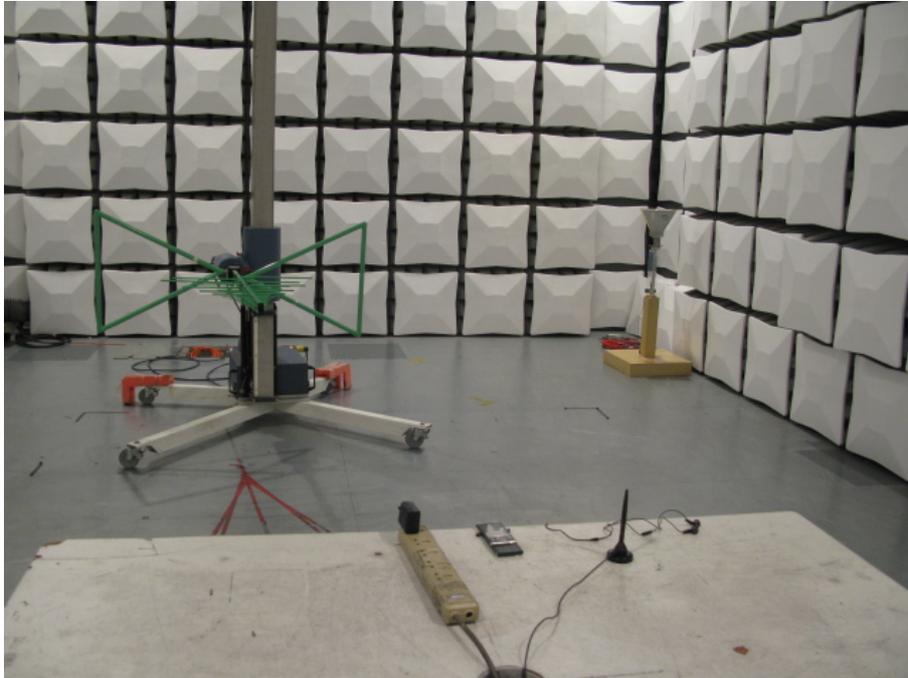


Appendix J

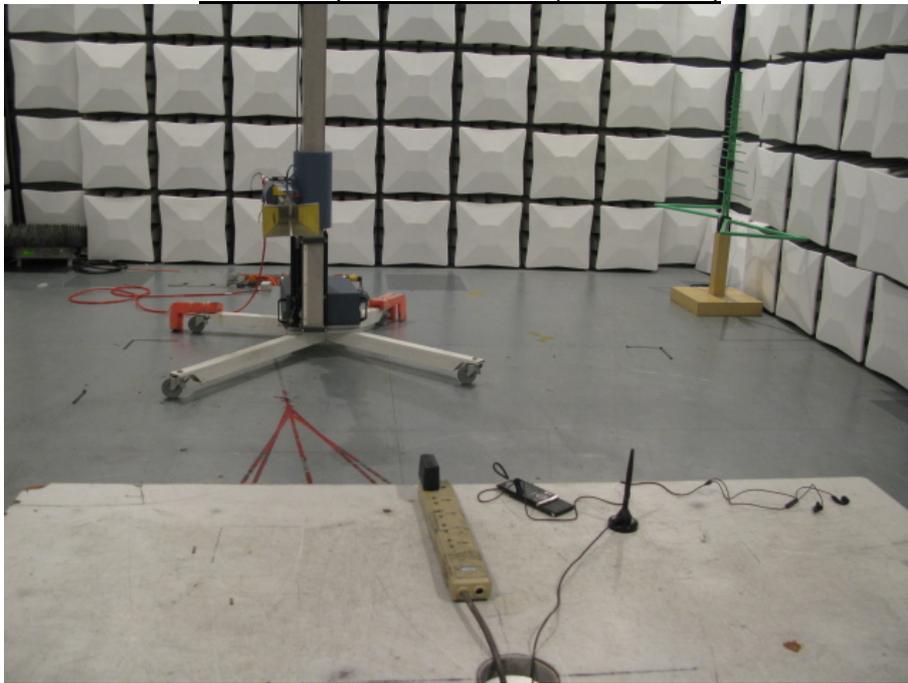
Photos of Test Setup



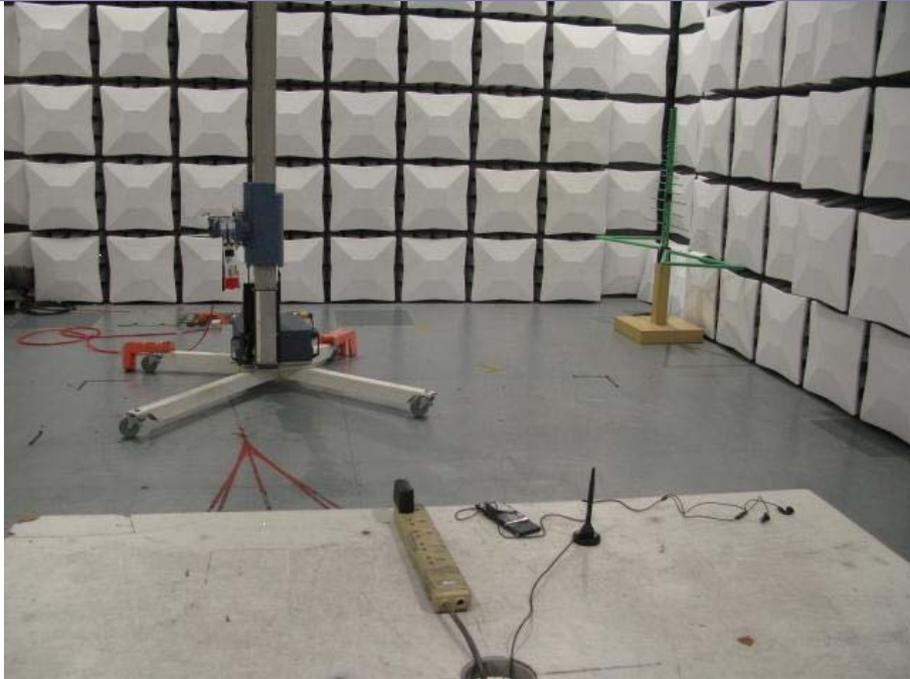
1 Radiated Spurious Emissions



Radiated Spurious Emission (below 2GHz)

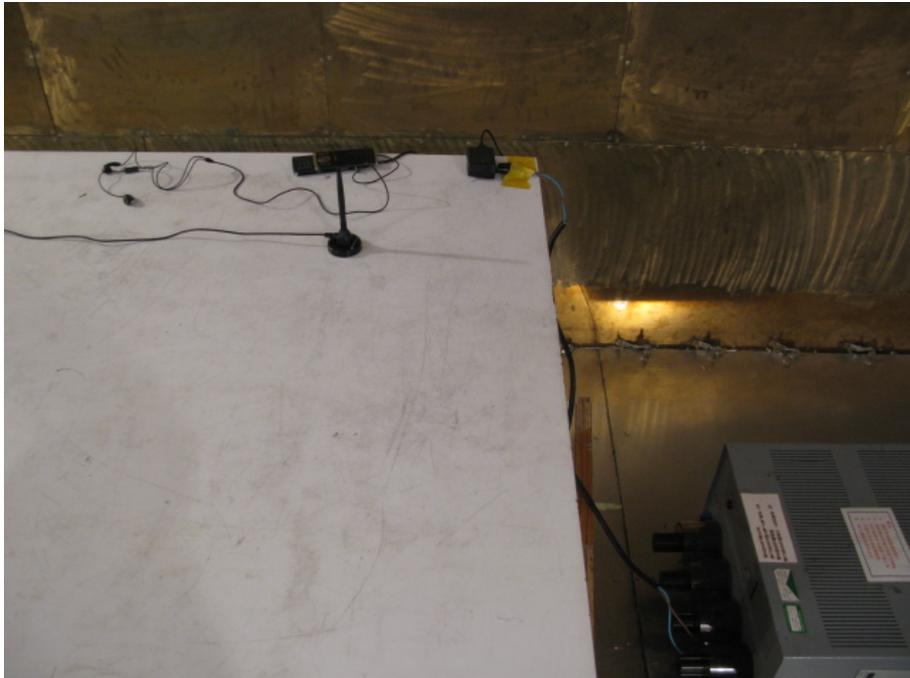


Radiated Spurious Emission (2GHz to18GHz)



Radiated Spurious Emission (above 18GHz)

2 Conducted Emissions



Conducted Emissions for AC Ports