



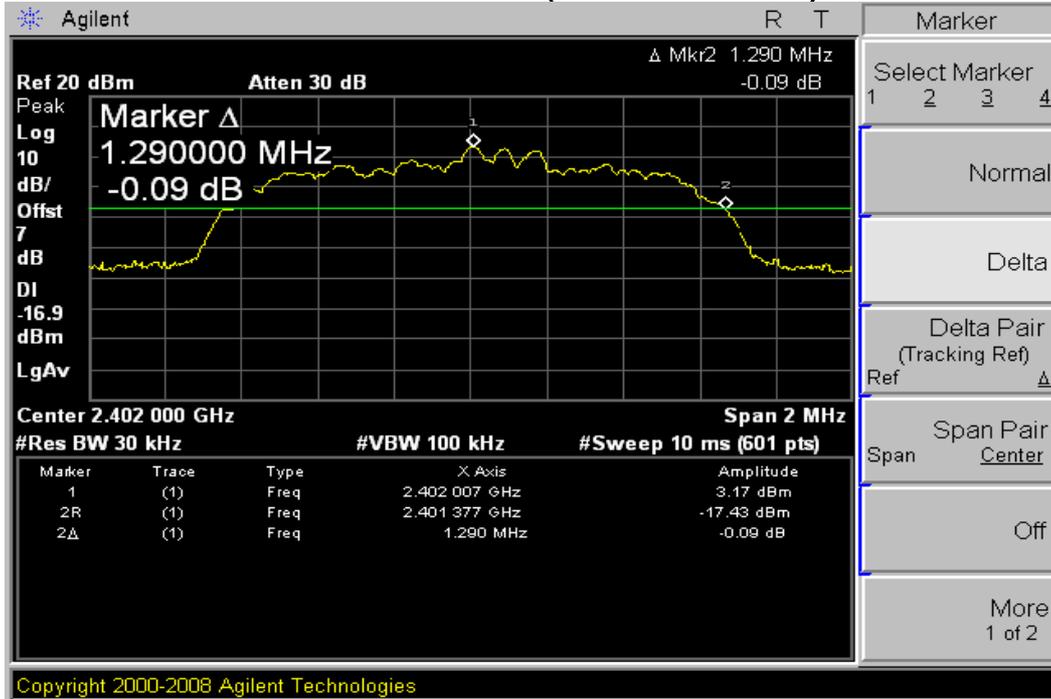
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

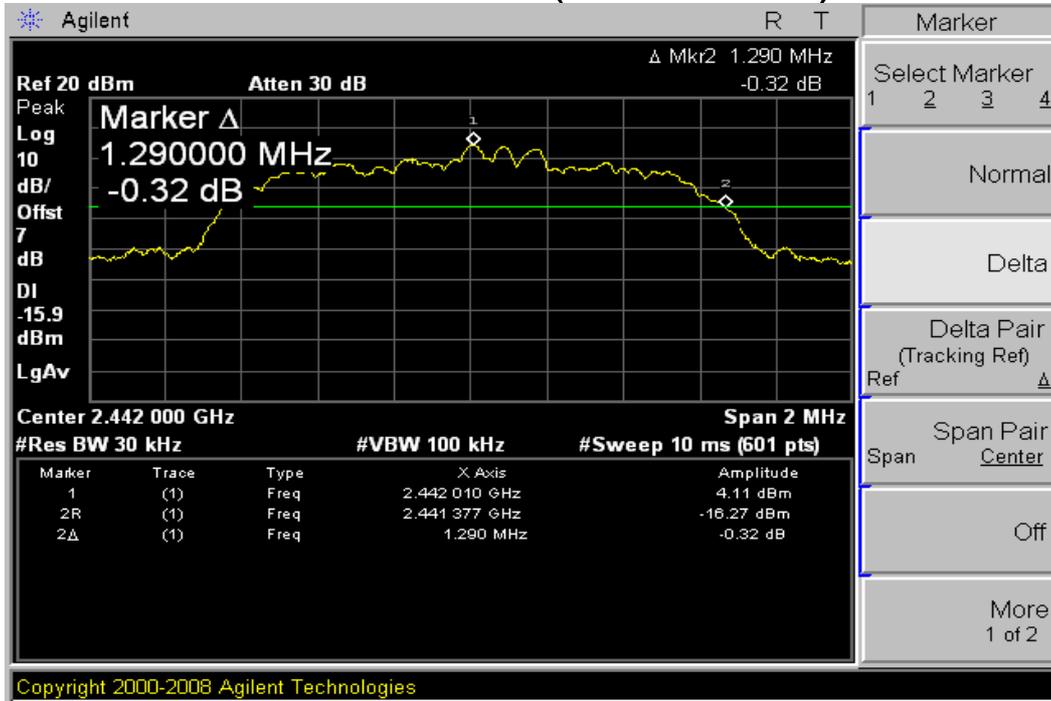


Modulation: $\pi/4$ -DQPSK Channel 0 (2402MHz)



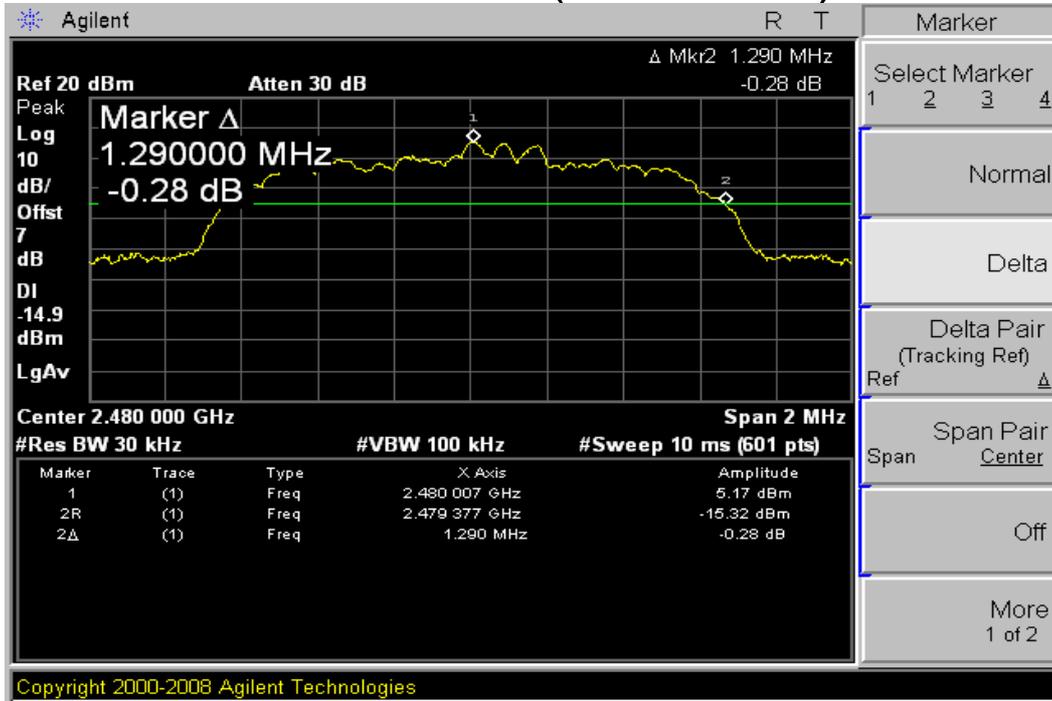


Channel 40 (2442MHz)



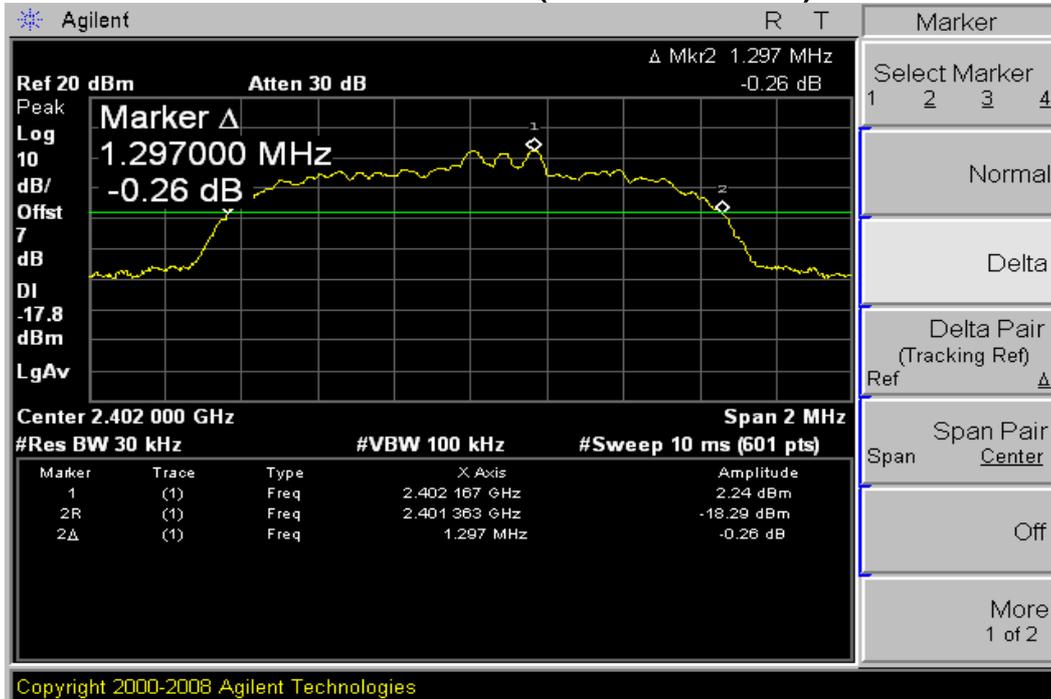


Channel 78 (2480MHz)



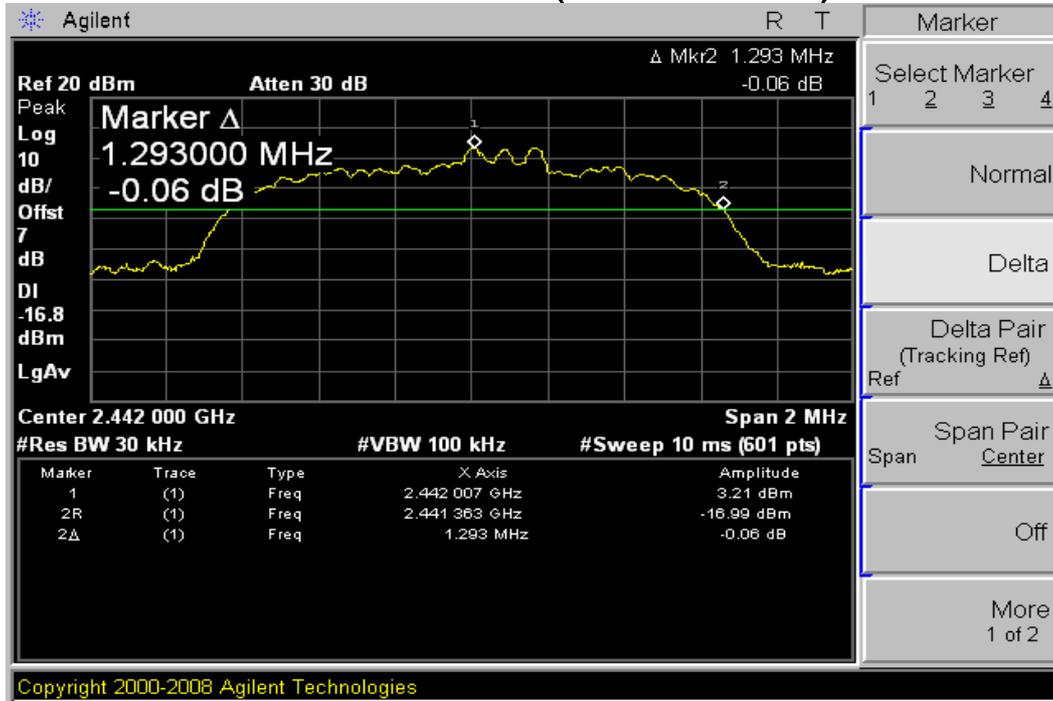


Modulation: 8DPSK Channel 0 (2402MHz)



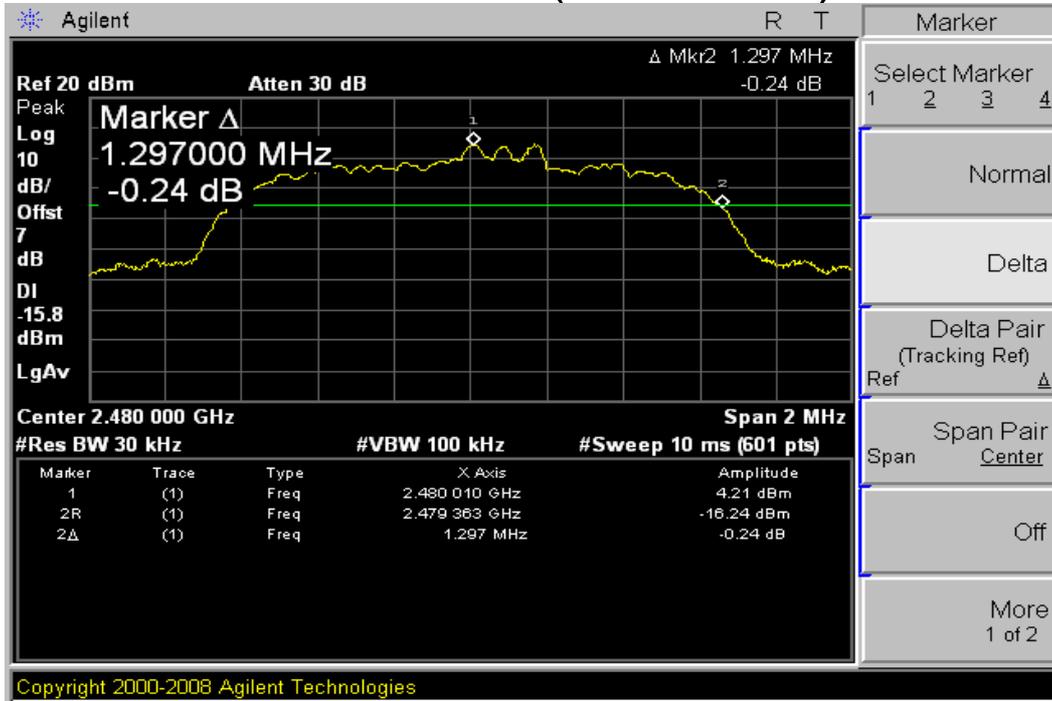


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix B

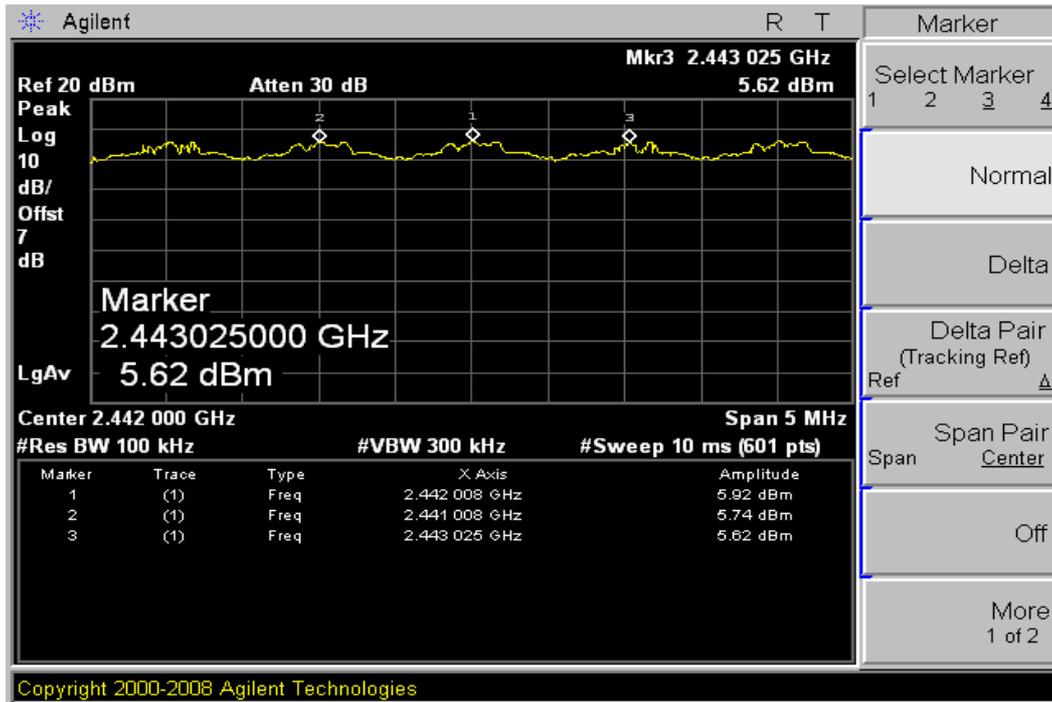
Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



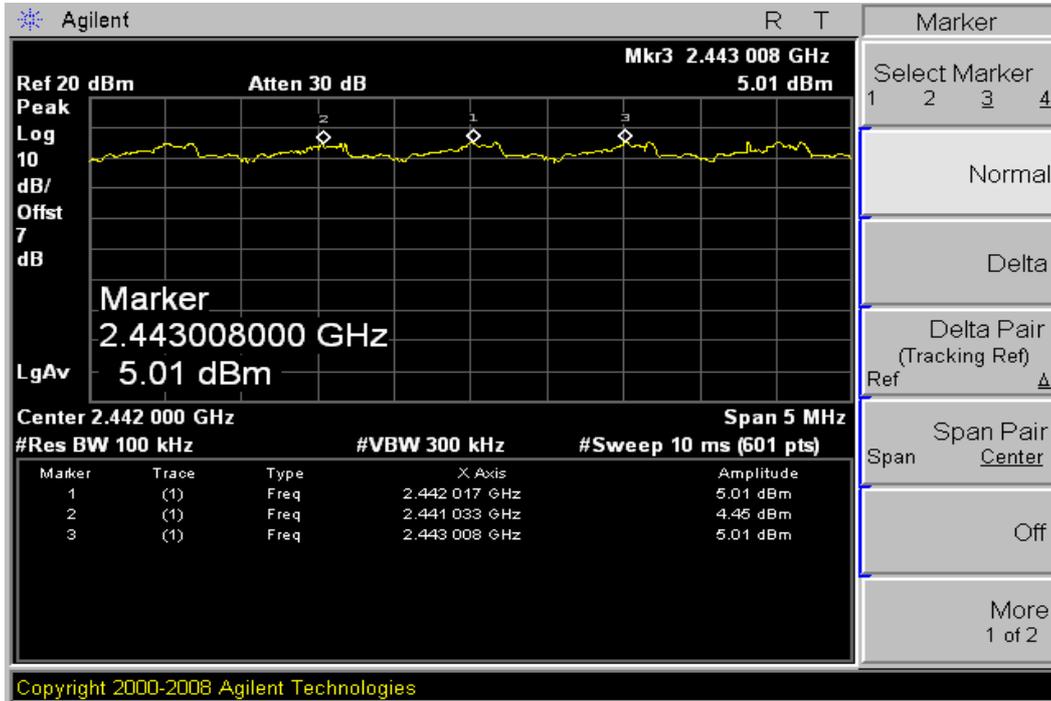
Modulation: $\pi/4$ -DQPSK

Centred at Channel 40





Modulation: 8DPSK Centred at Channel 40





Appendix C

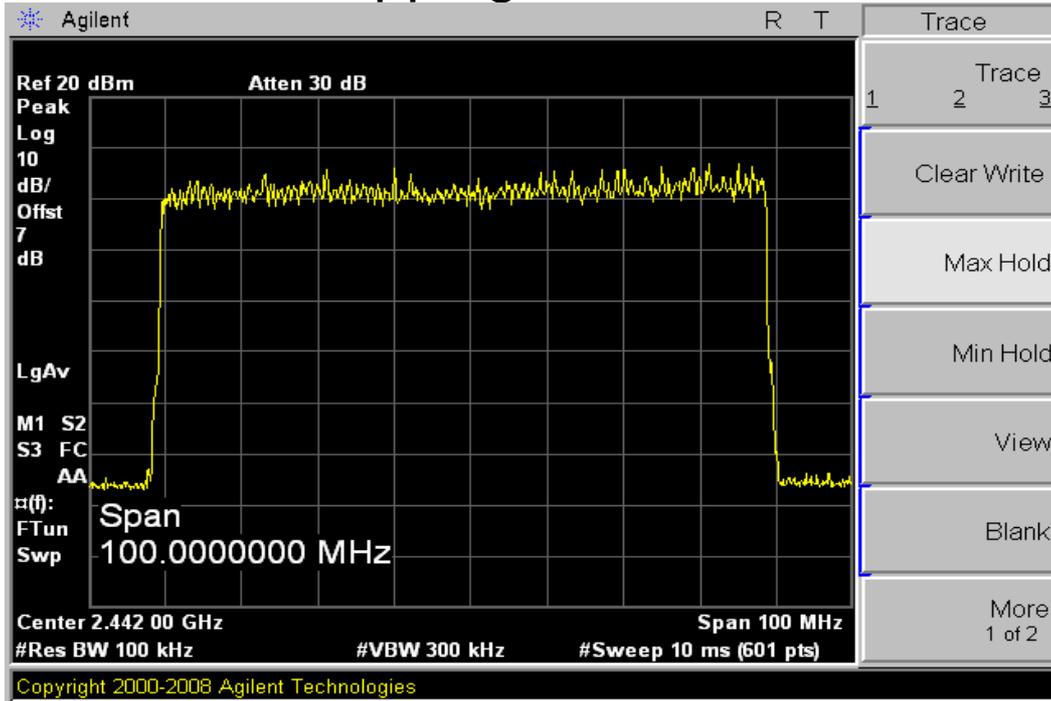
Number of hopping channel

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



Modulation: $\pi/4$ -DQPSK

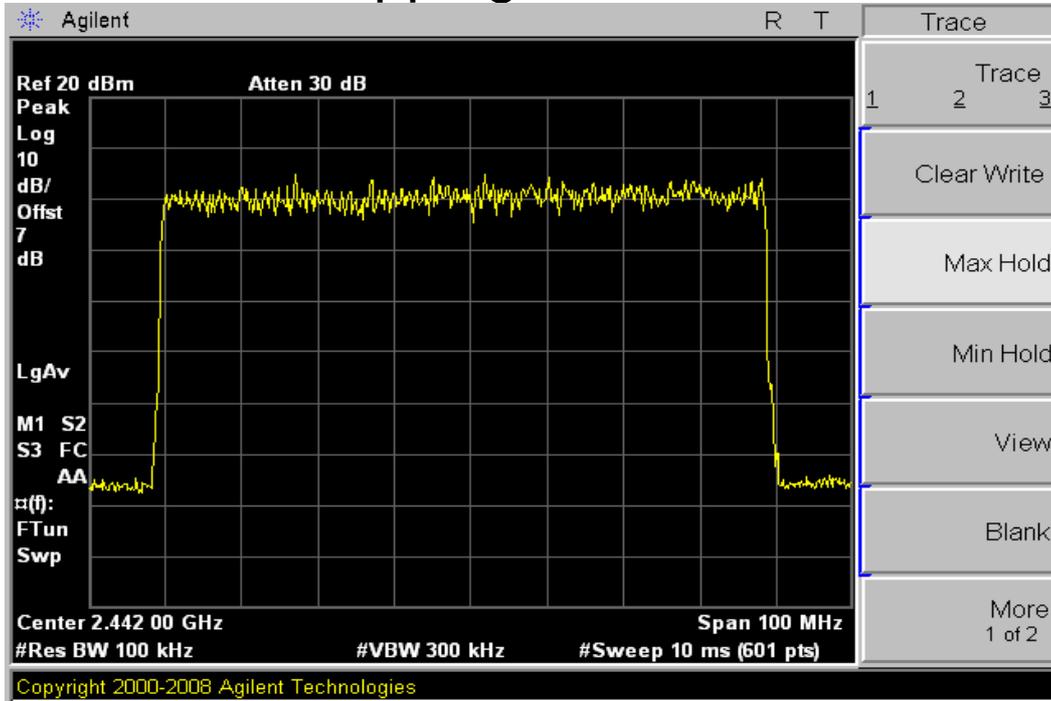
Total hopping channels = 79





Modulation: 8DPSK

Total hopping channels = 79





Appendix D

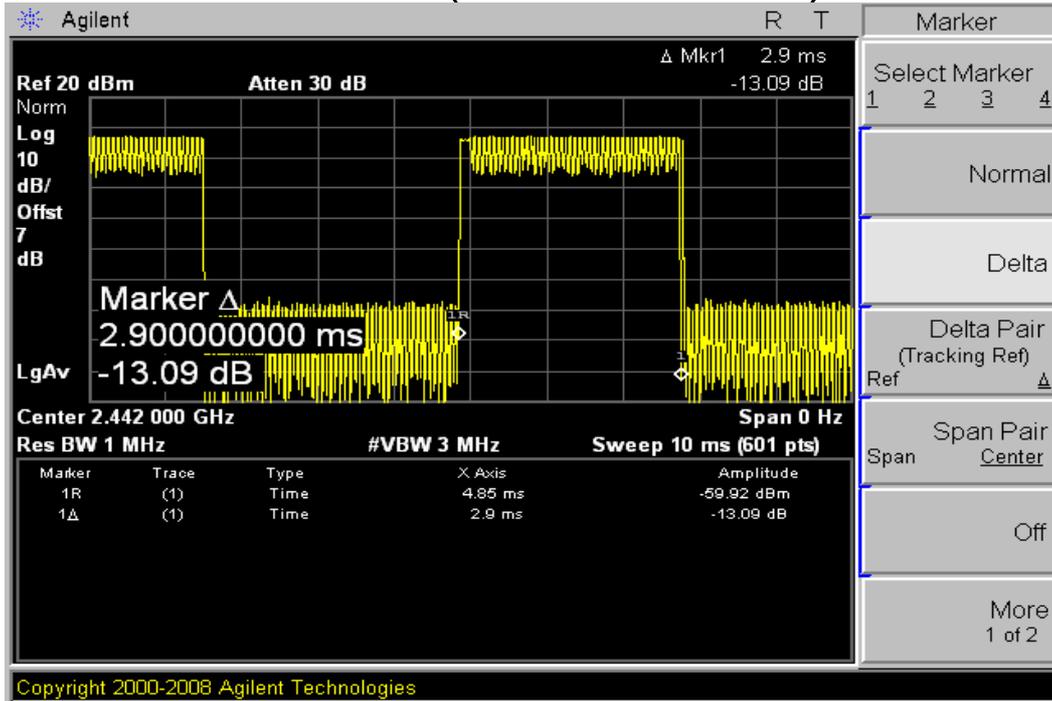
Time of occupancy

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



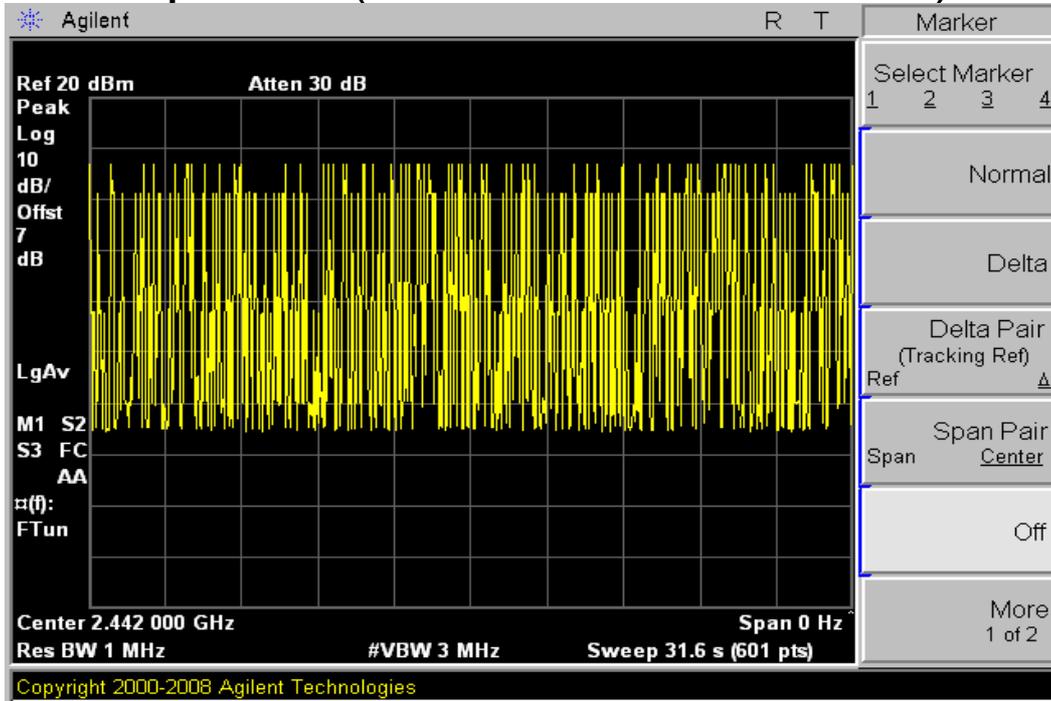
Modulation: $\pi/4$ -DQPSK

A burst (One time slot)





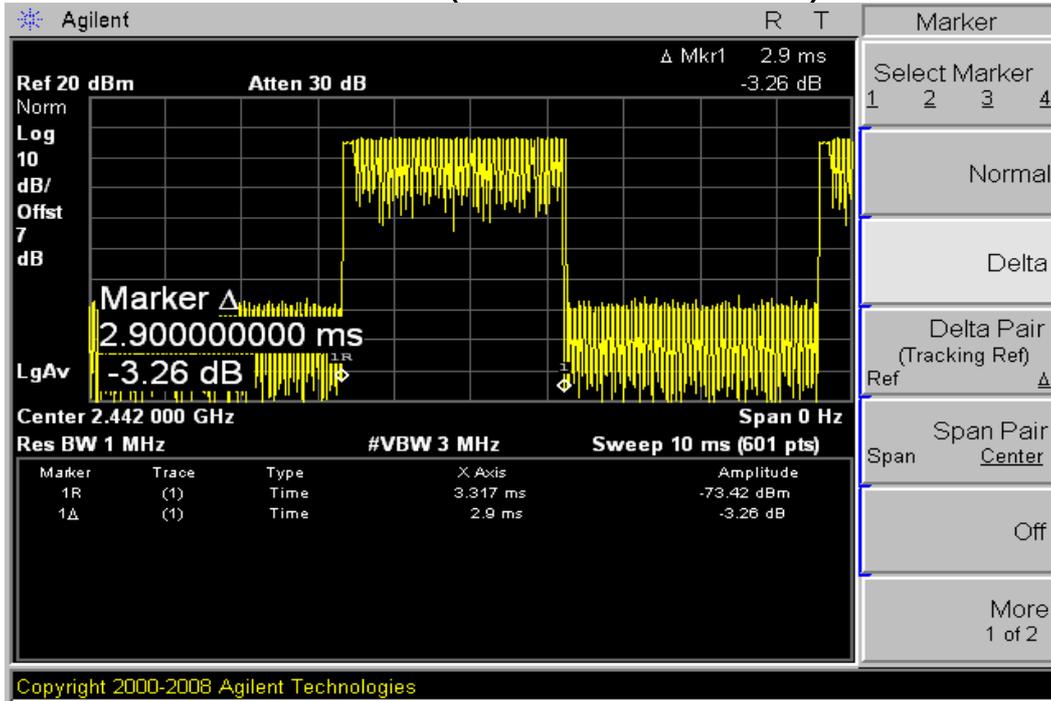
A period (Less than 106.7 burst)





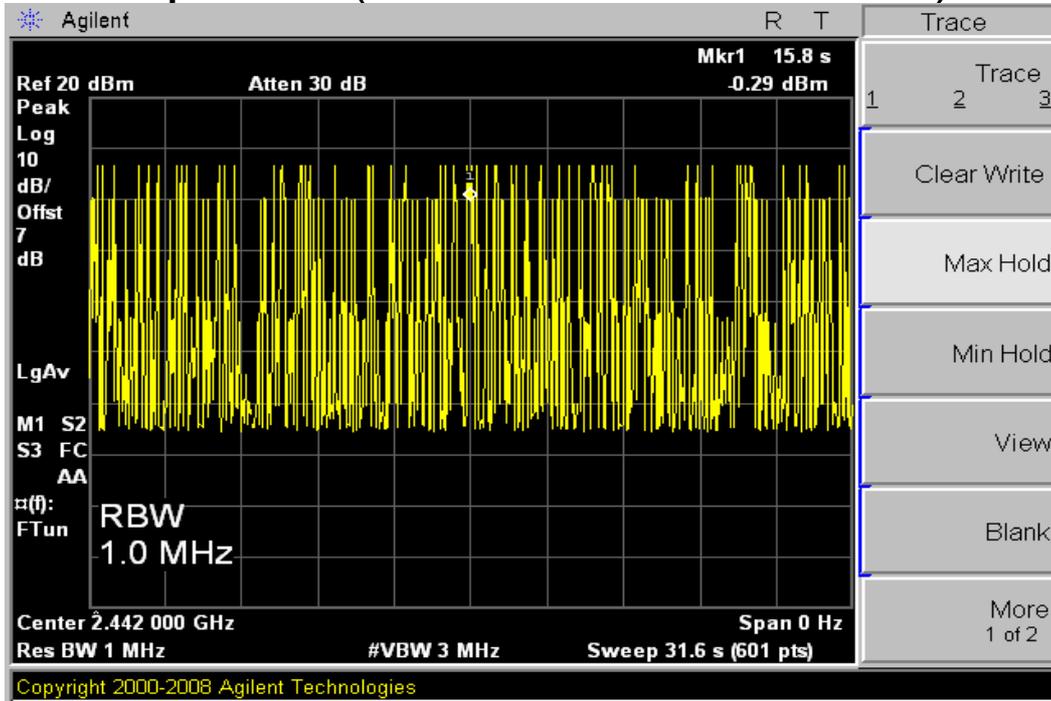
Modulation: 8DPSK

A burst (One time slot)





A period (Less than 106.7 burst)





Appendix E

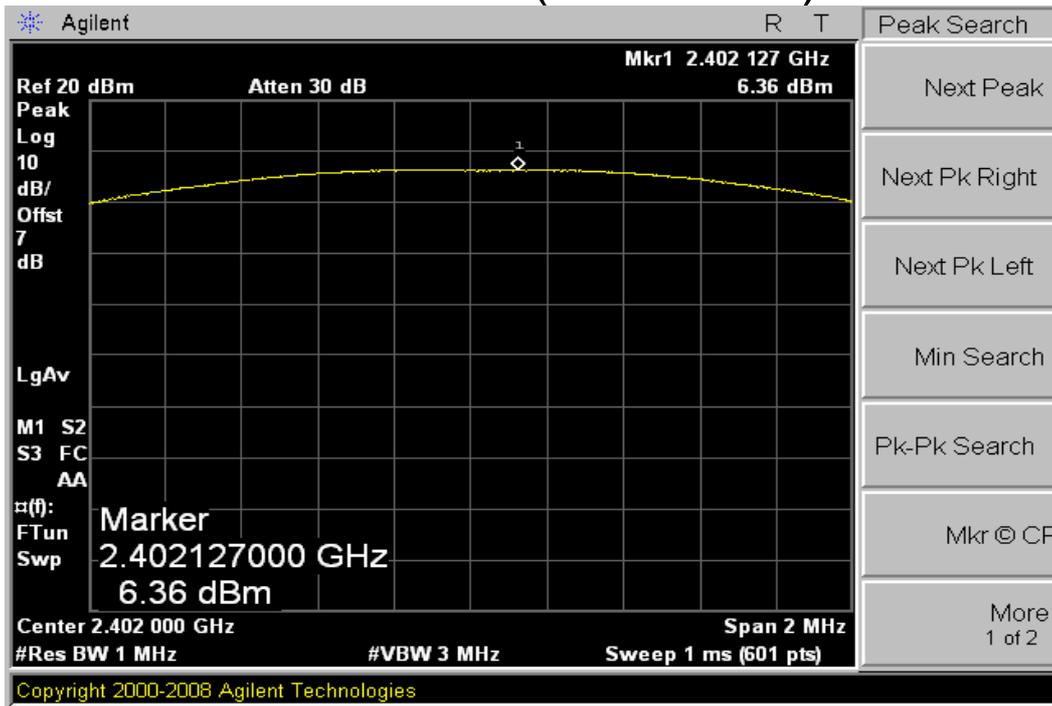
Peak output power

According to FCC Part 15.247 (b) (1)



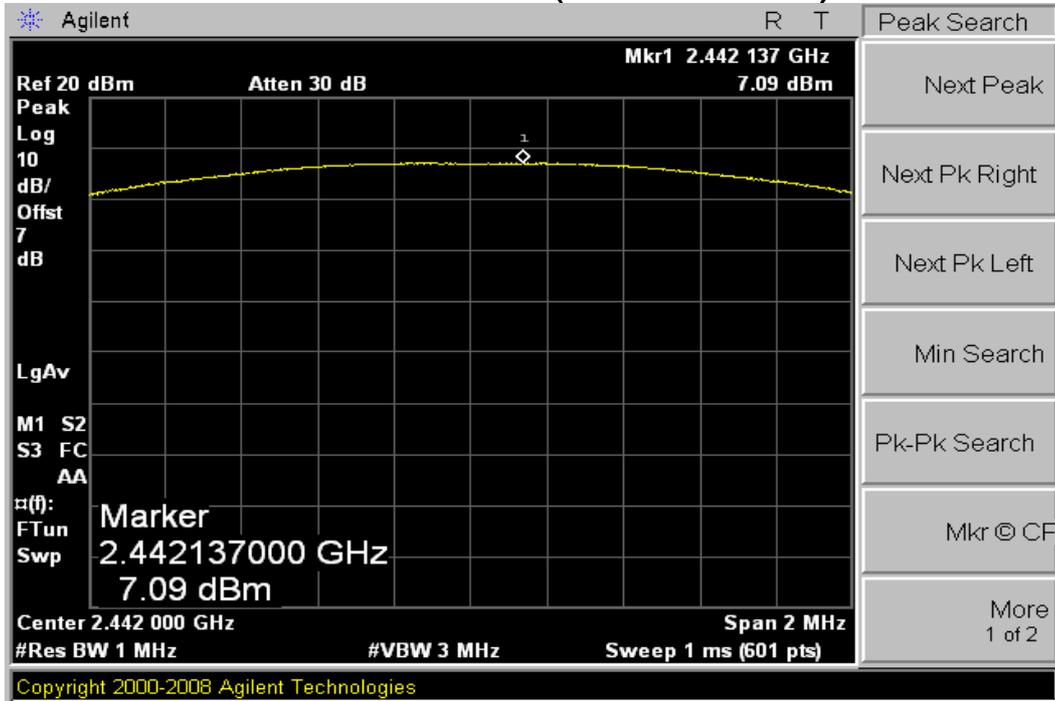
Modulation: $\pi/4$ -DQPSK

Channel 0 (2402MHz)



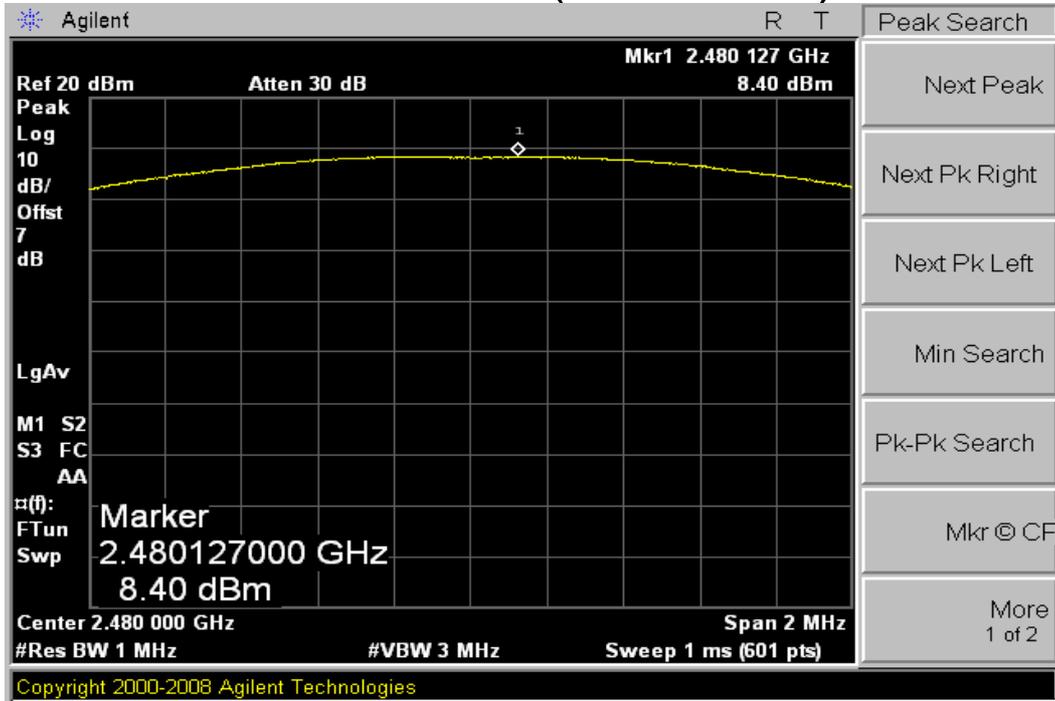


Channel 40 (2442MHz)



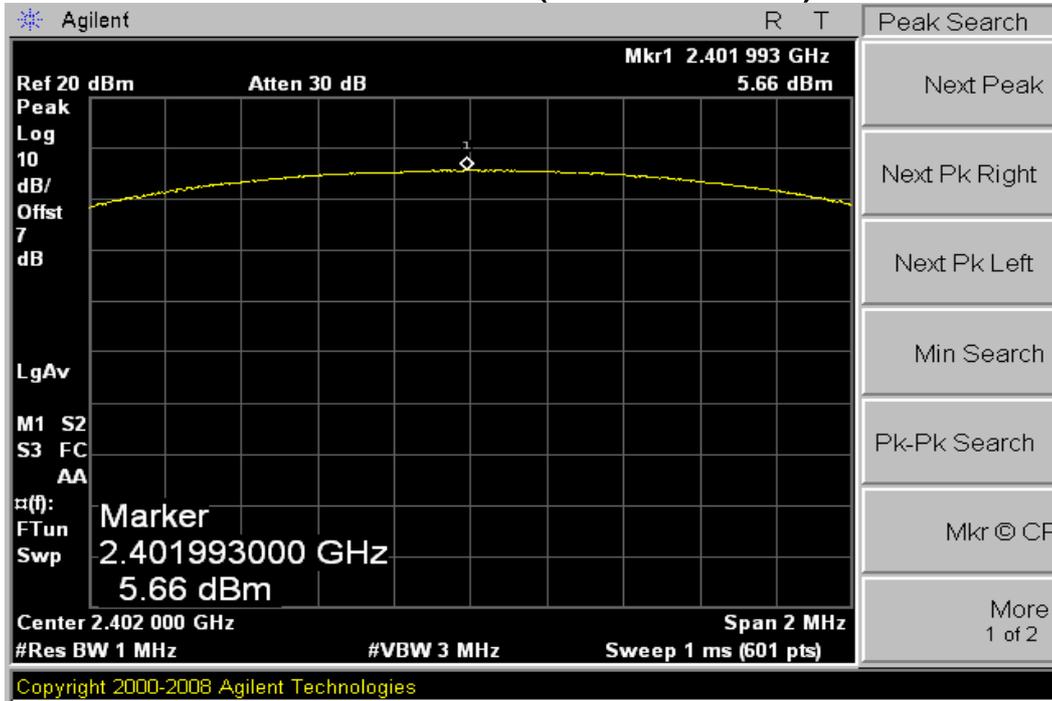


Channel 78 (2480MHz)



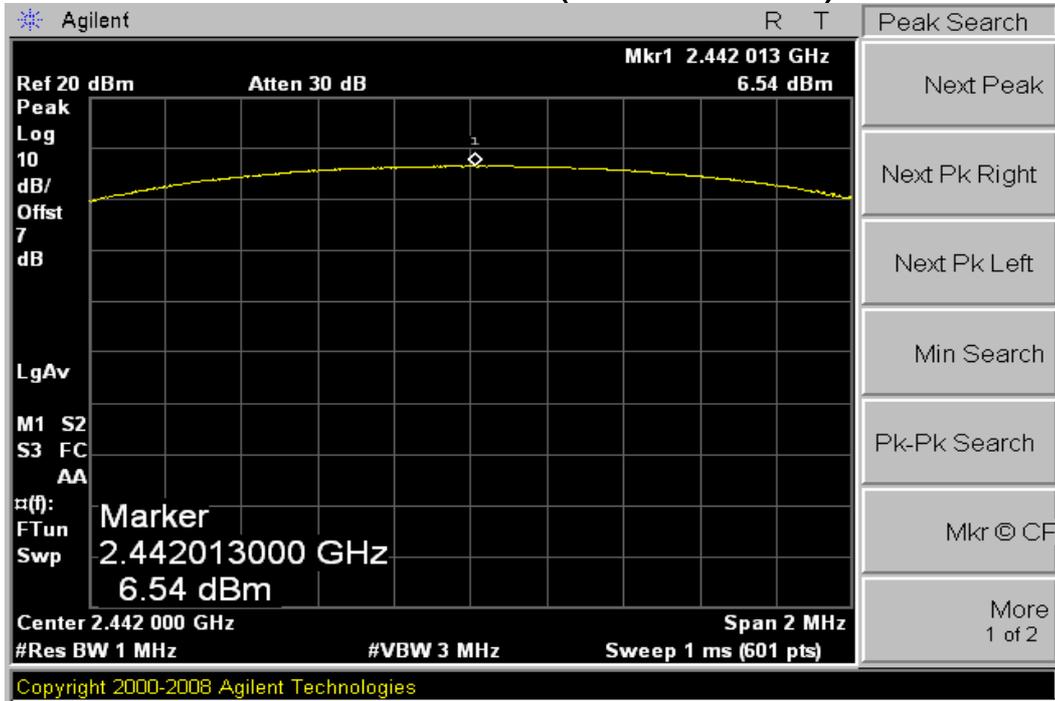


Modulation: 8DPSK Channel 0 (2402MHz)





Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix F

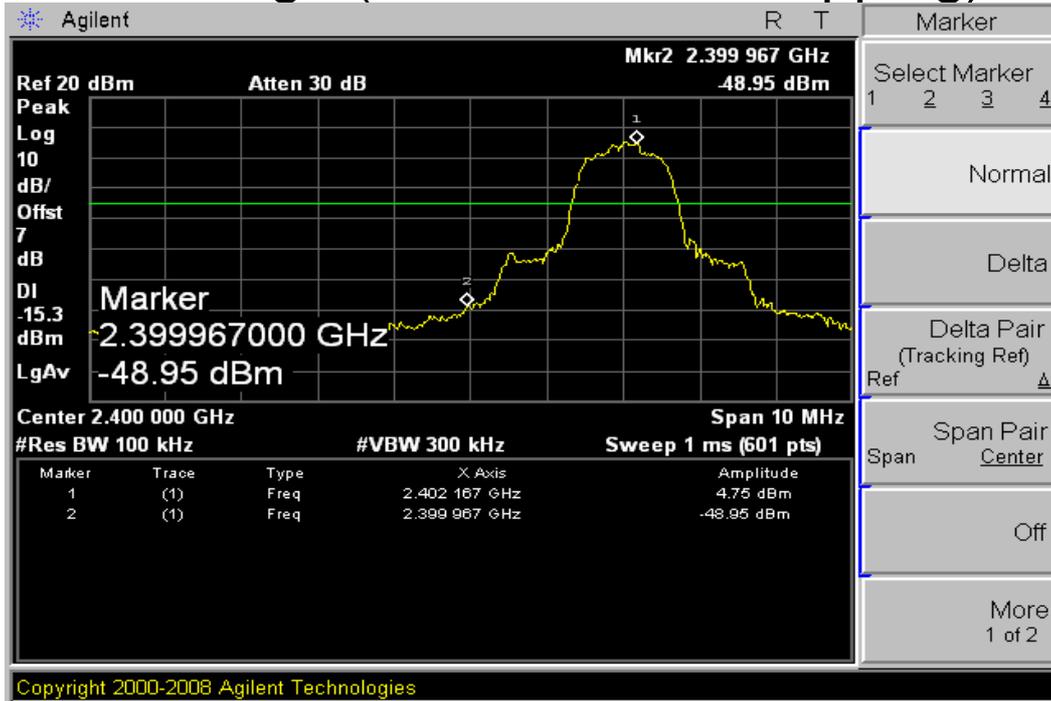
Band edge spurious emission

According to FCC Part 15.247 (d)



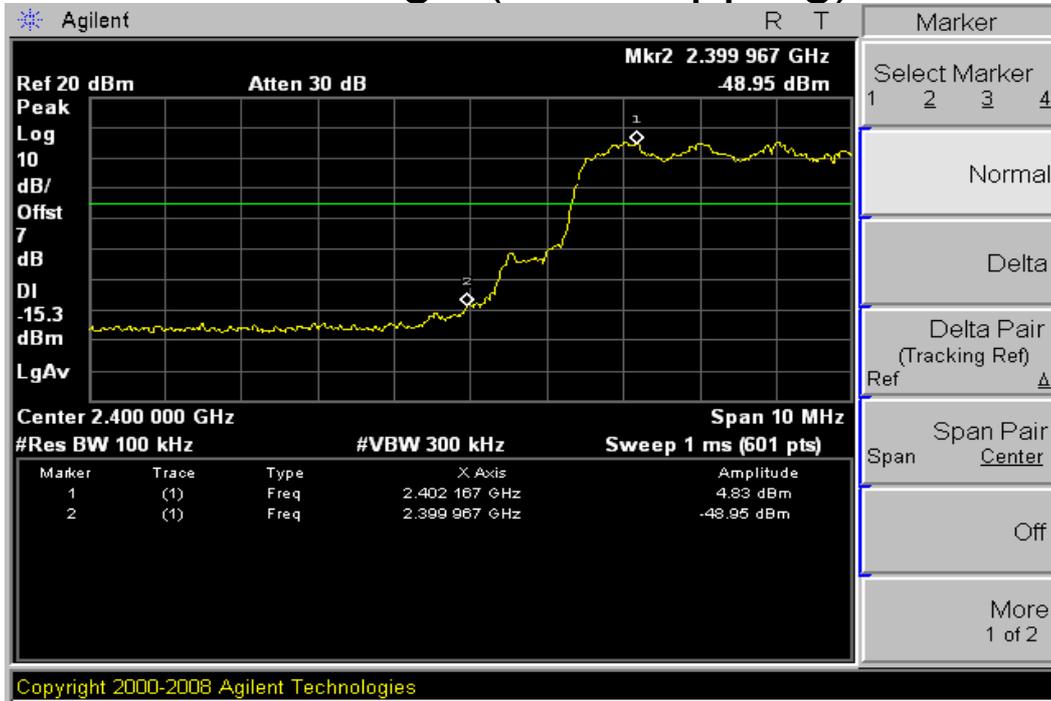
Modulation: $\pi/4$ -DQPSK

Low edge (Channel 0, no hopping)



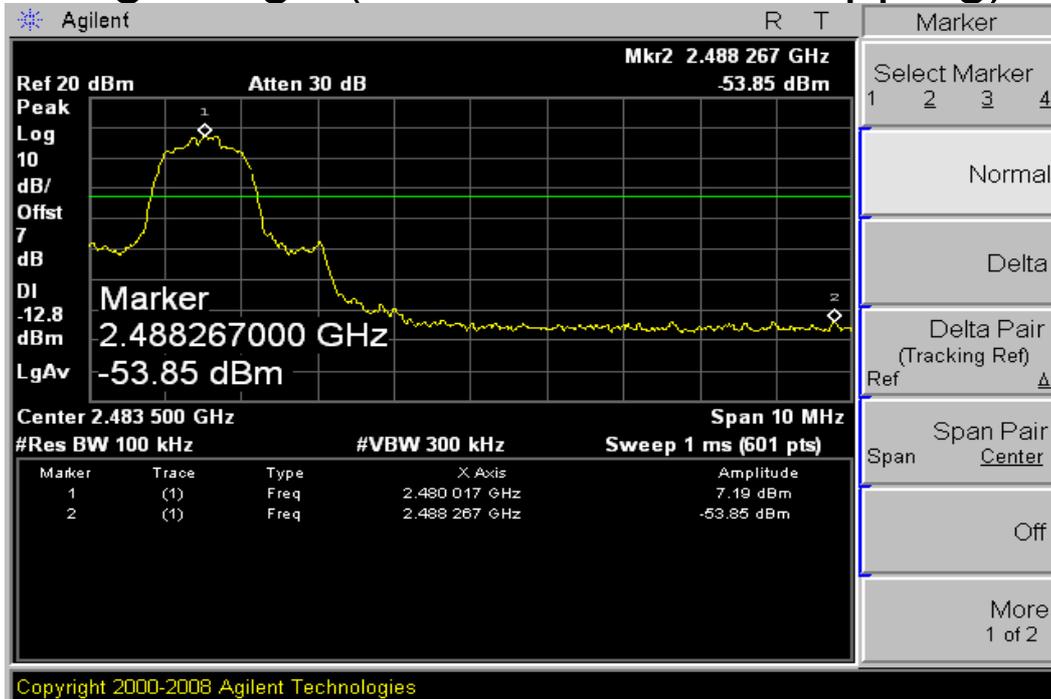


Low edge (with hopping)



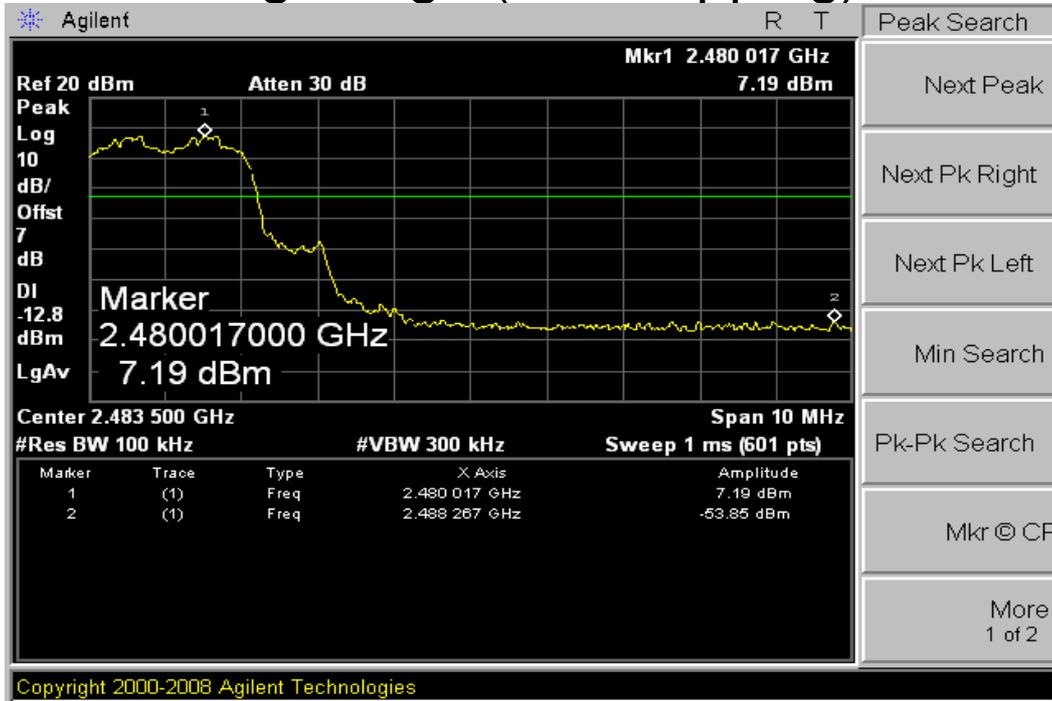


High edge (Channel 78, no hopping)



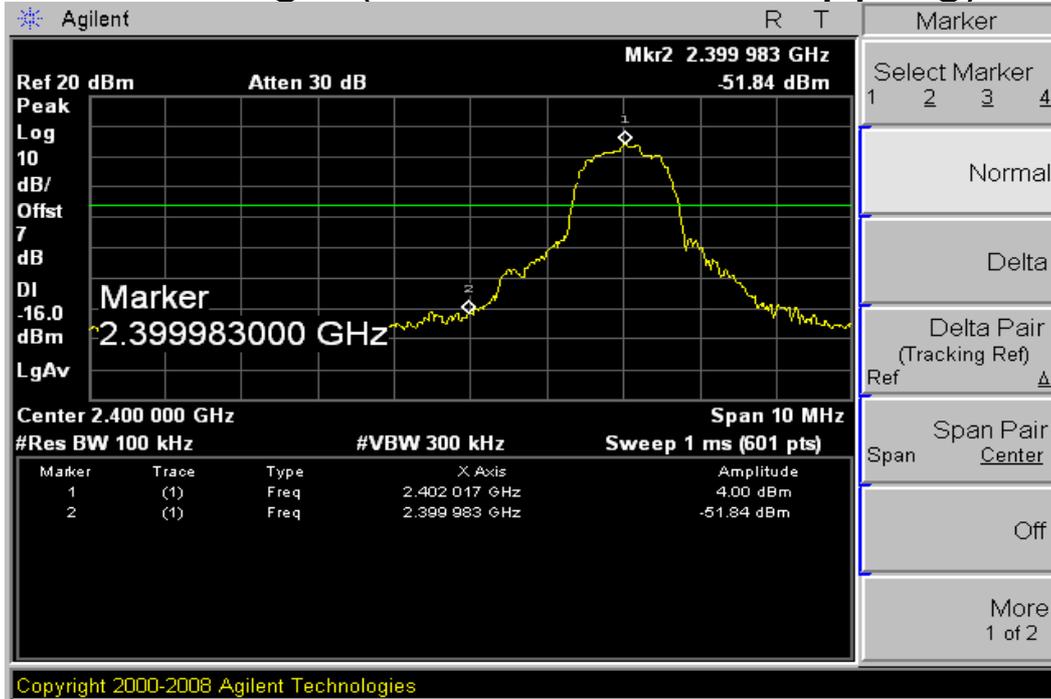


High edge (with hopping)



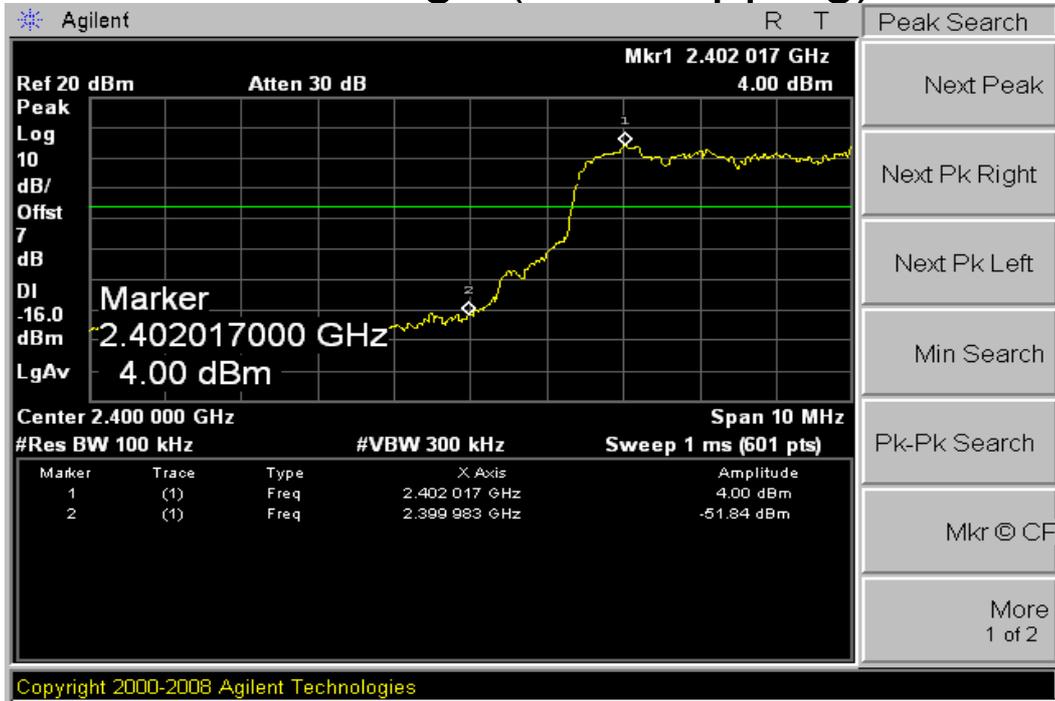


Modulation: 8DPSK Low edge (Channel 0, no hopping)



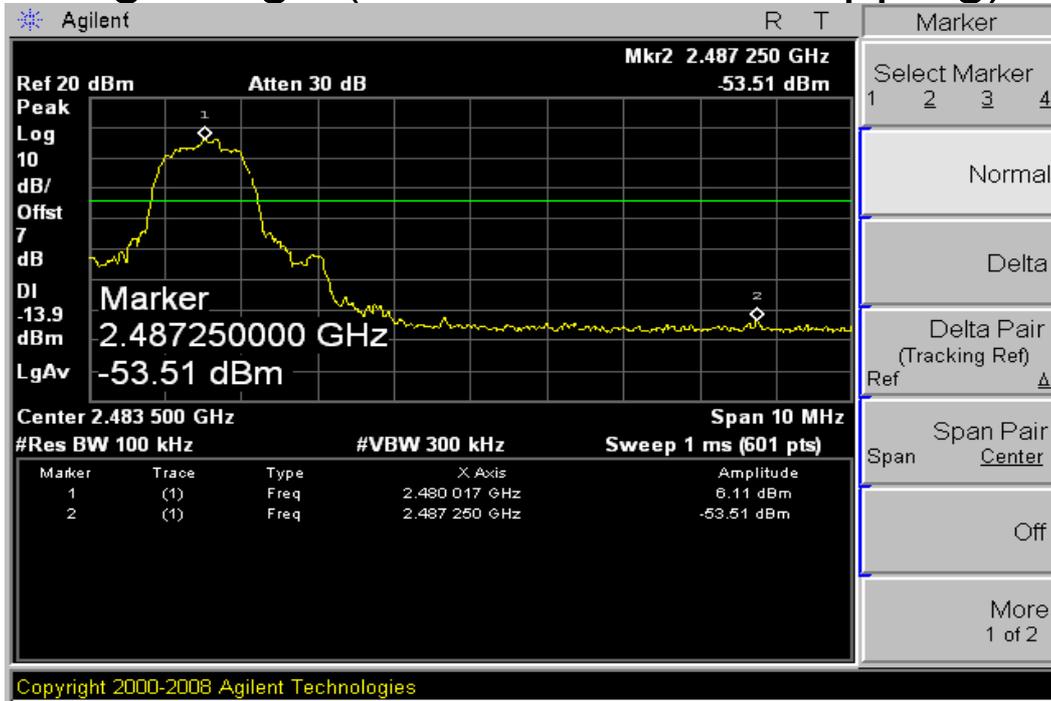


Low edge (with hopping)



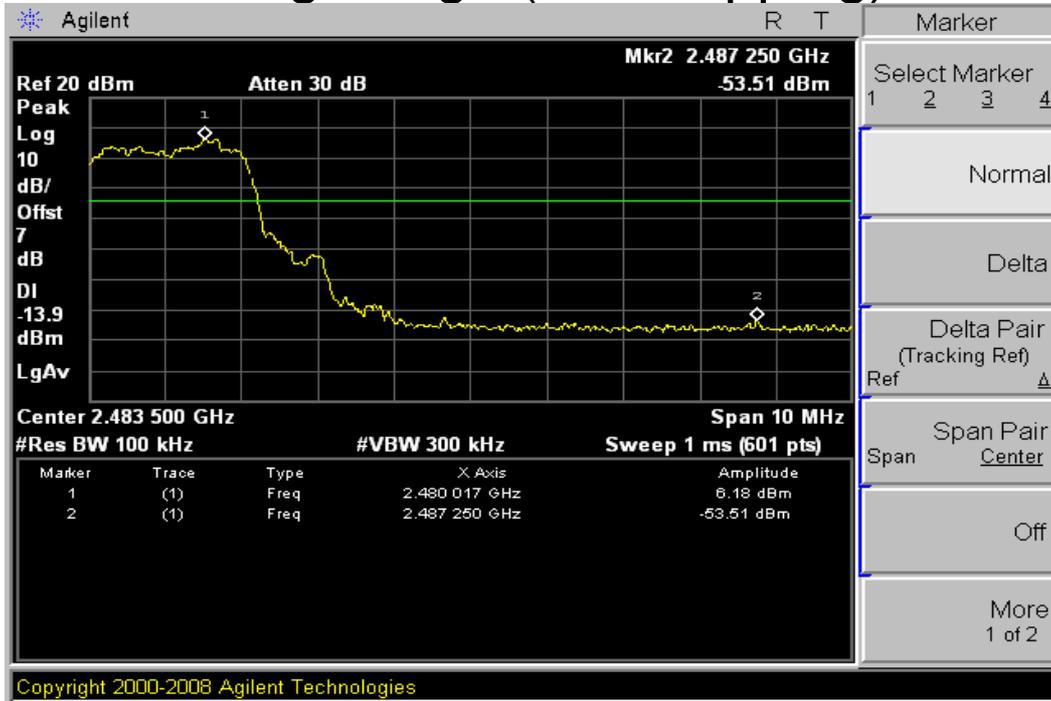


High edge (Channel 78, no hopping)





High edge (with hopping)





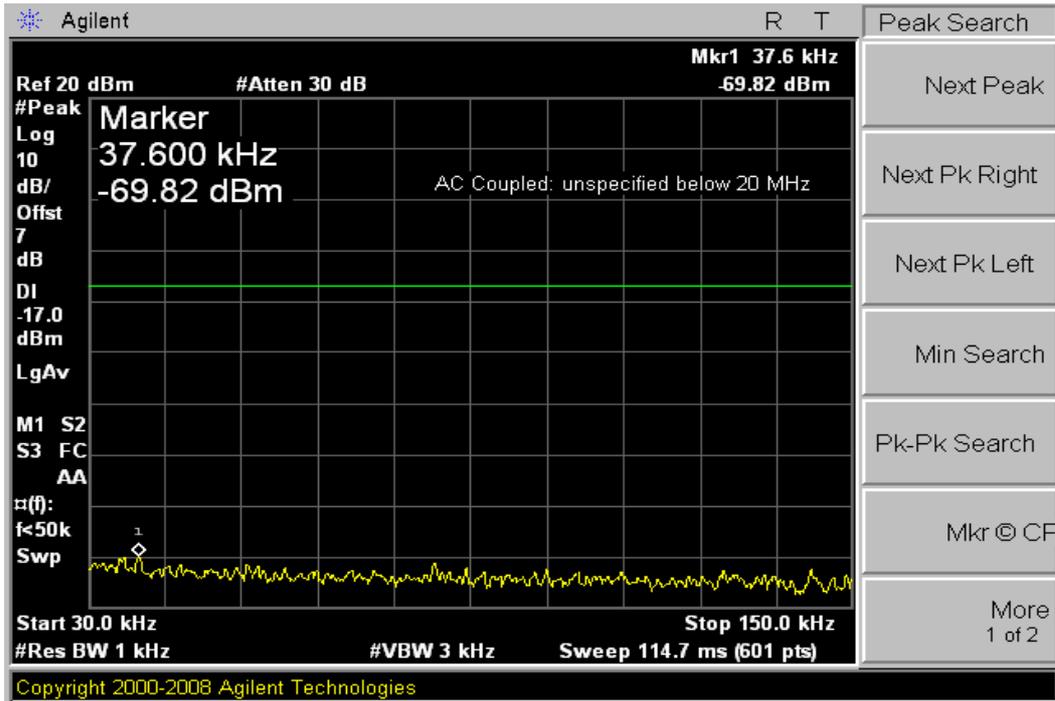
Appendix G

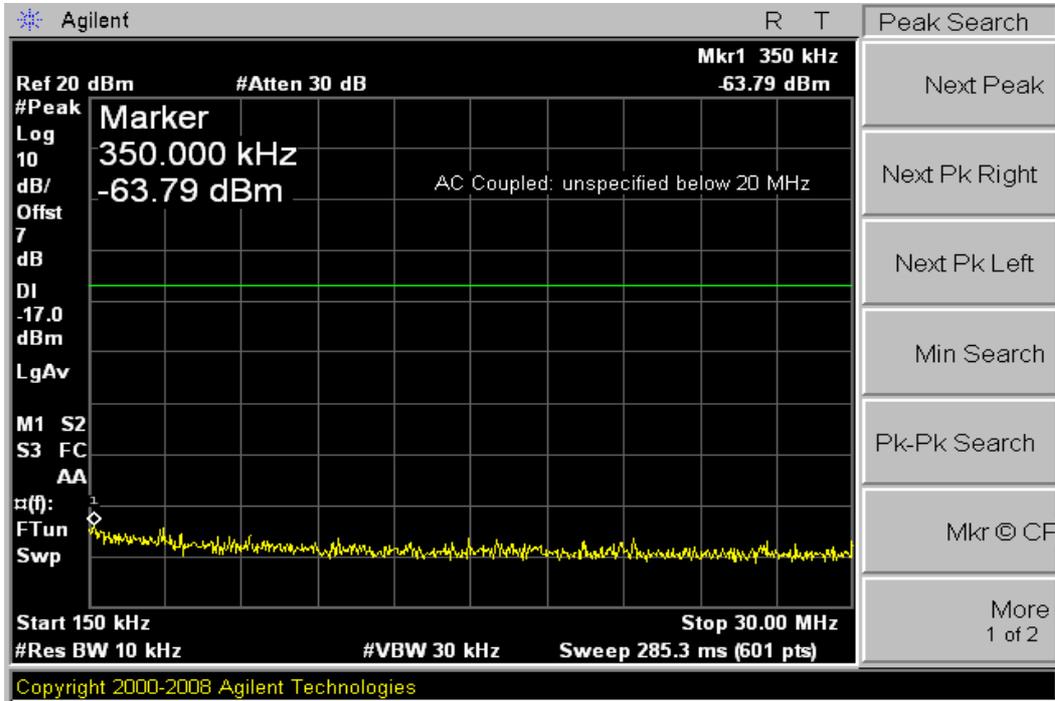
Conducted RF spurious

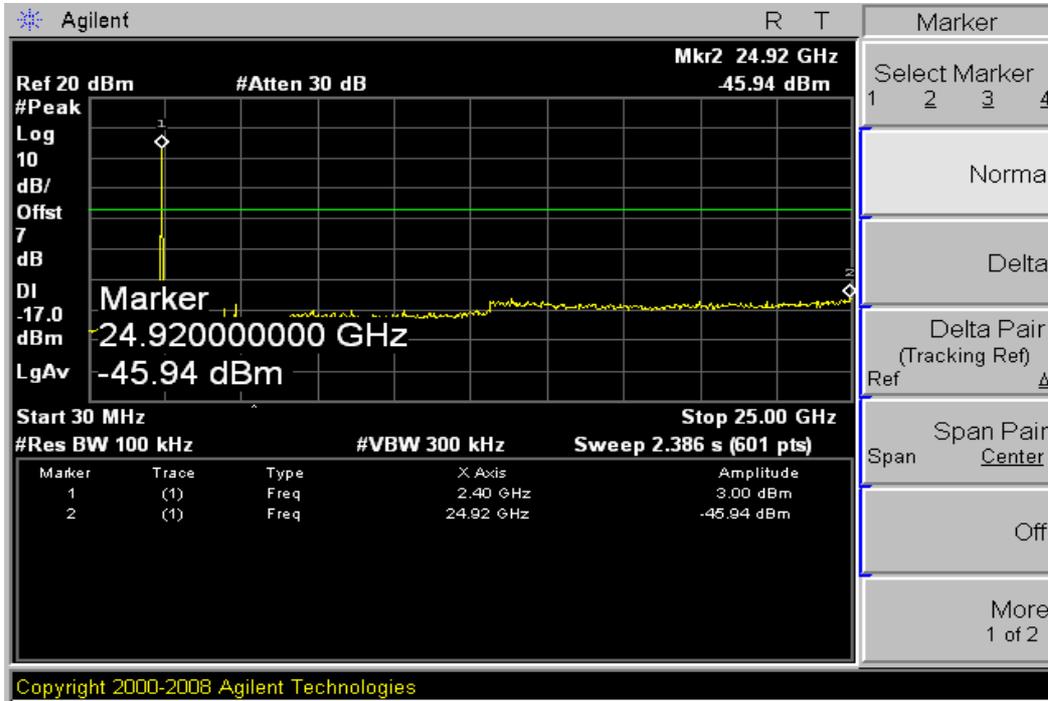
According to FCC Part 15.247 (d)



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

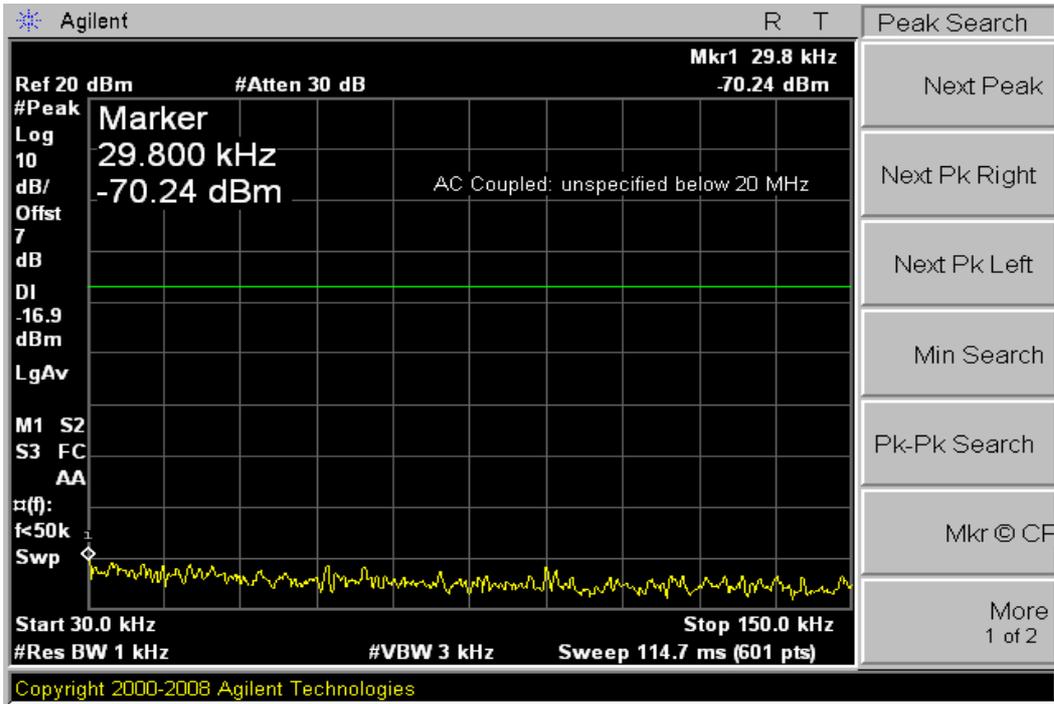


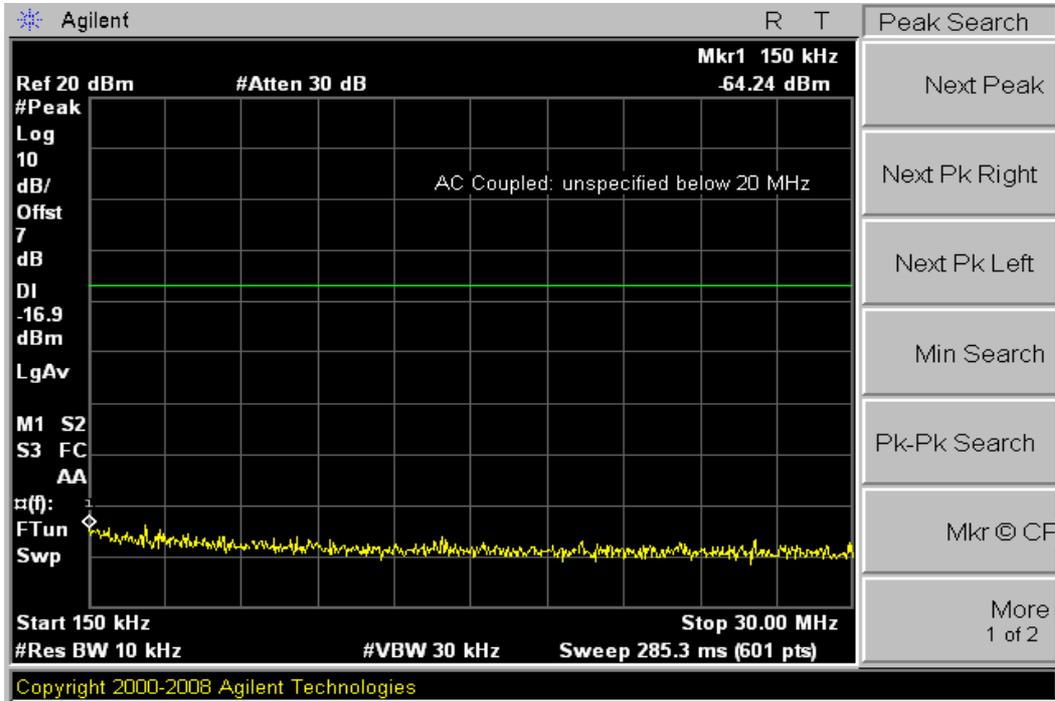


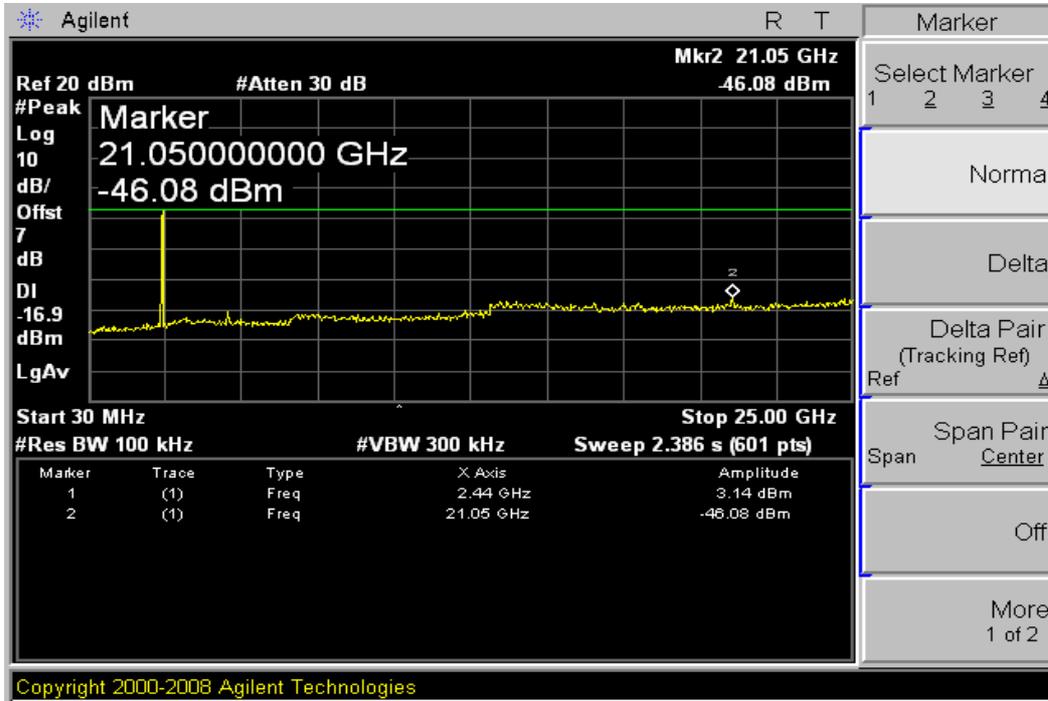




Channel 40

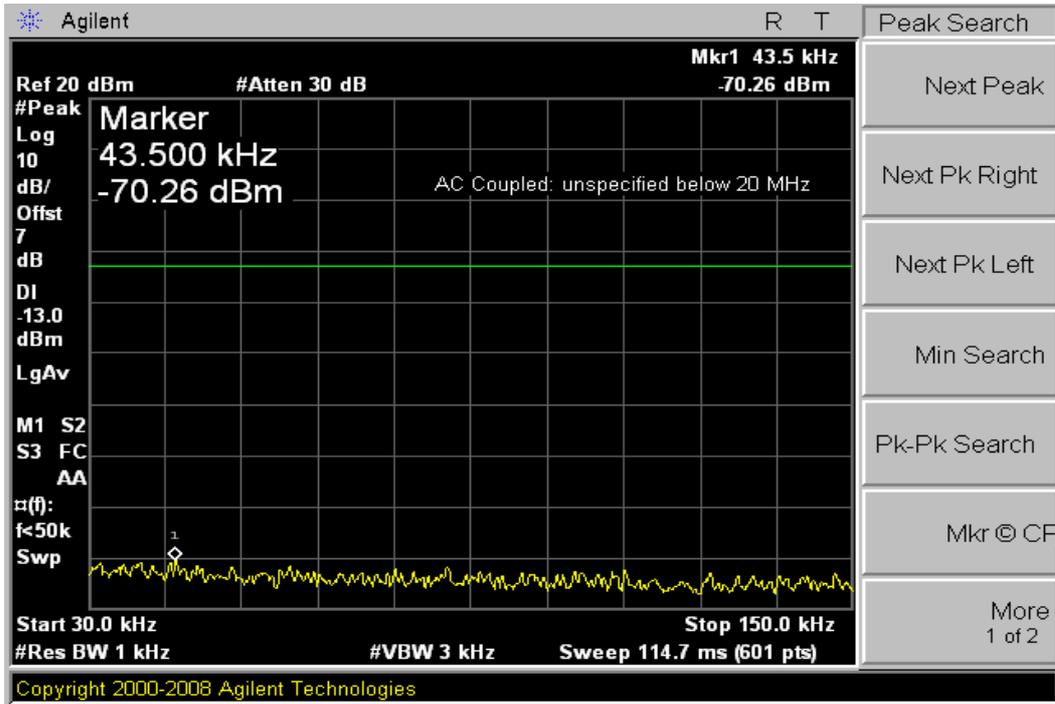


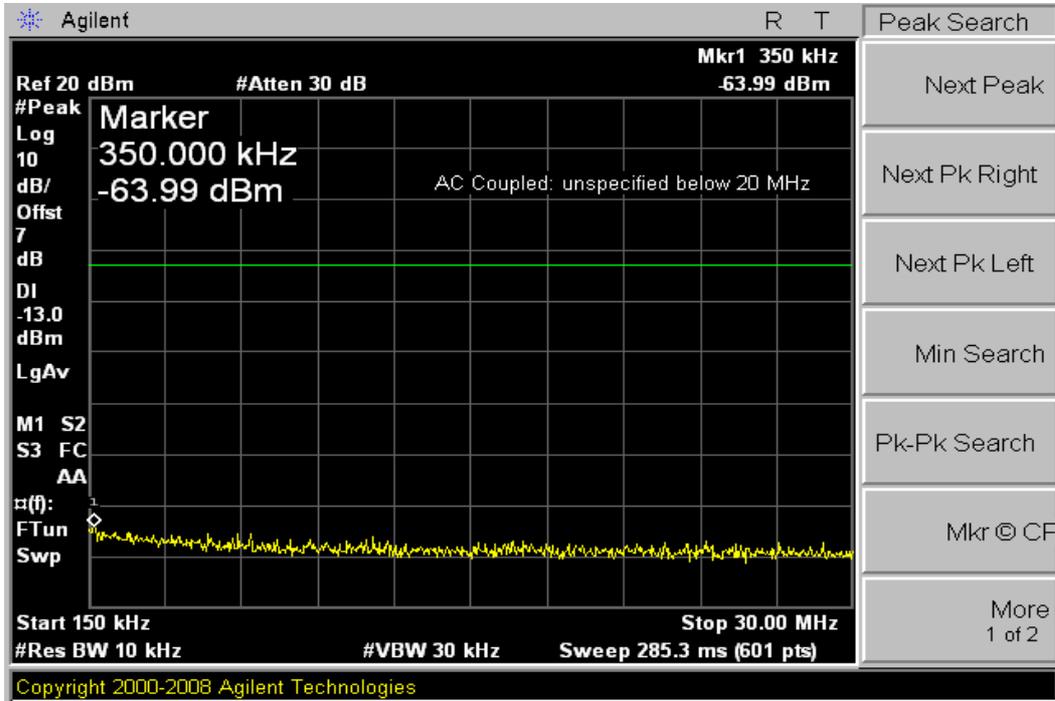


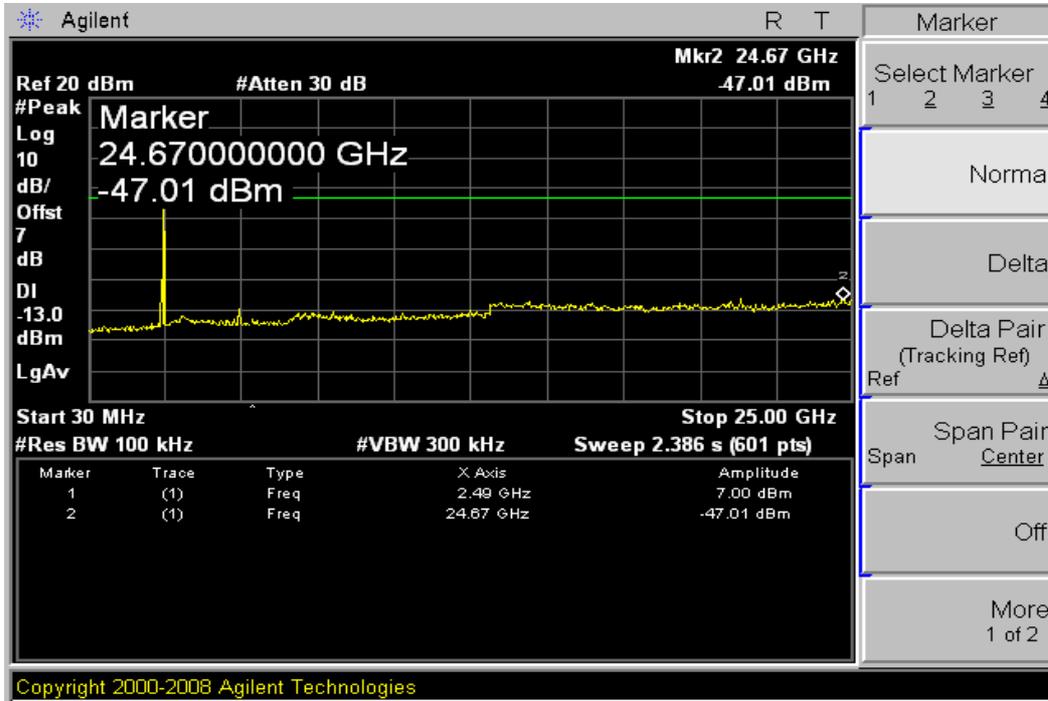




Channel 78



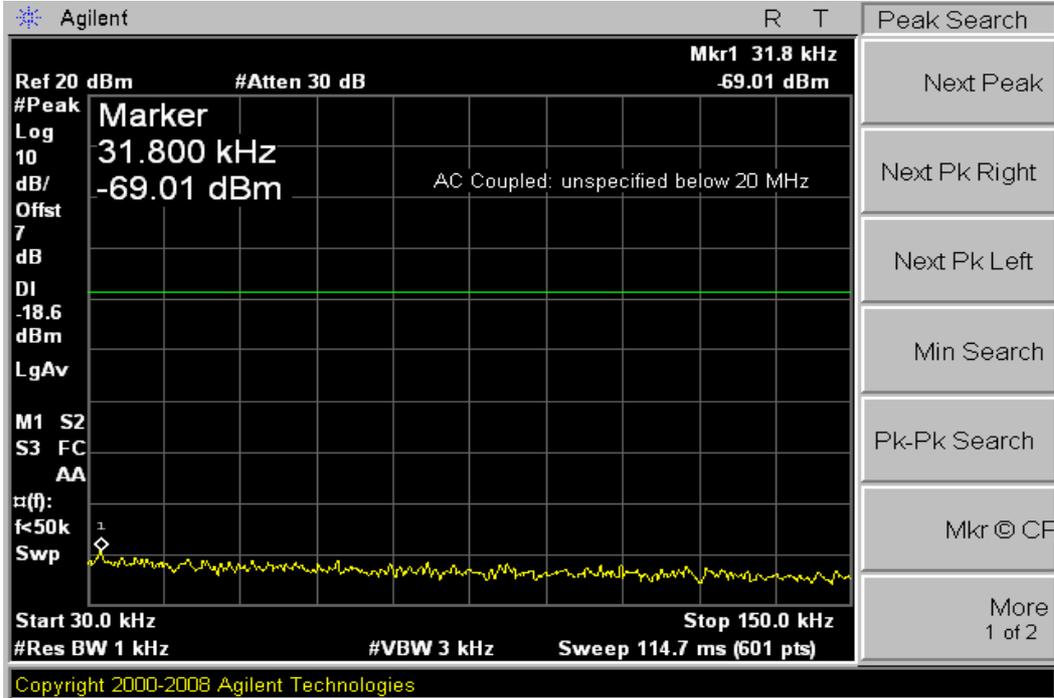


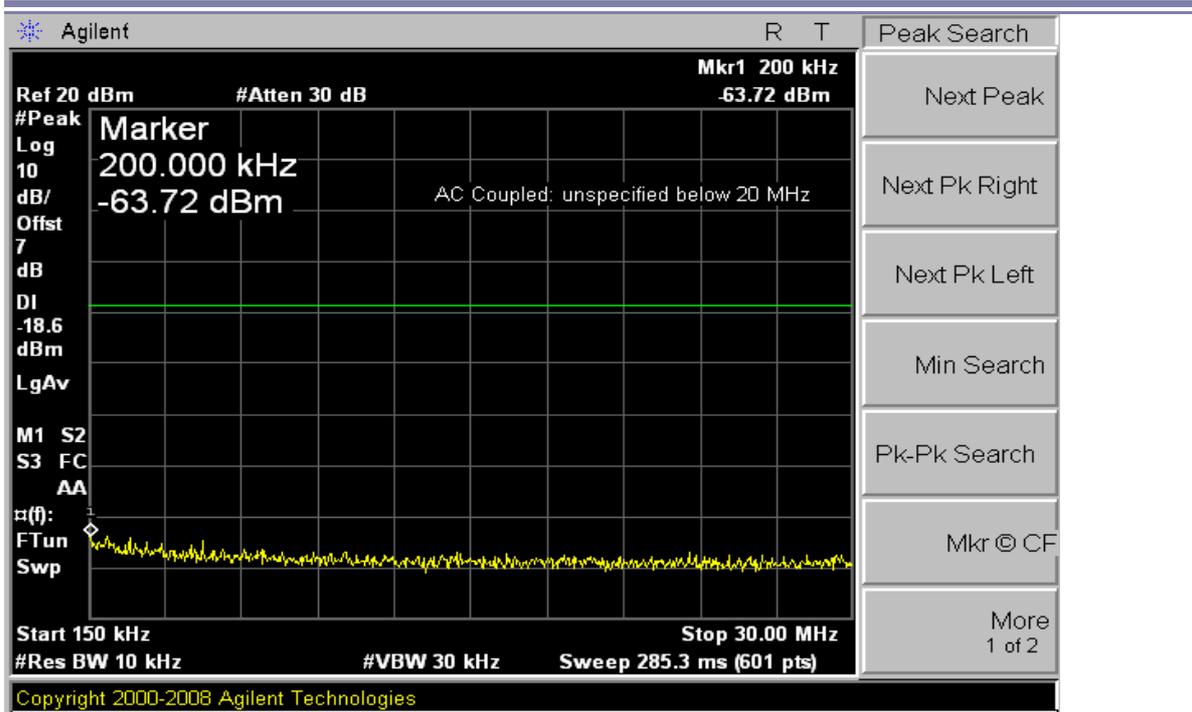


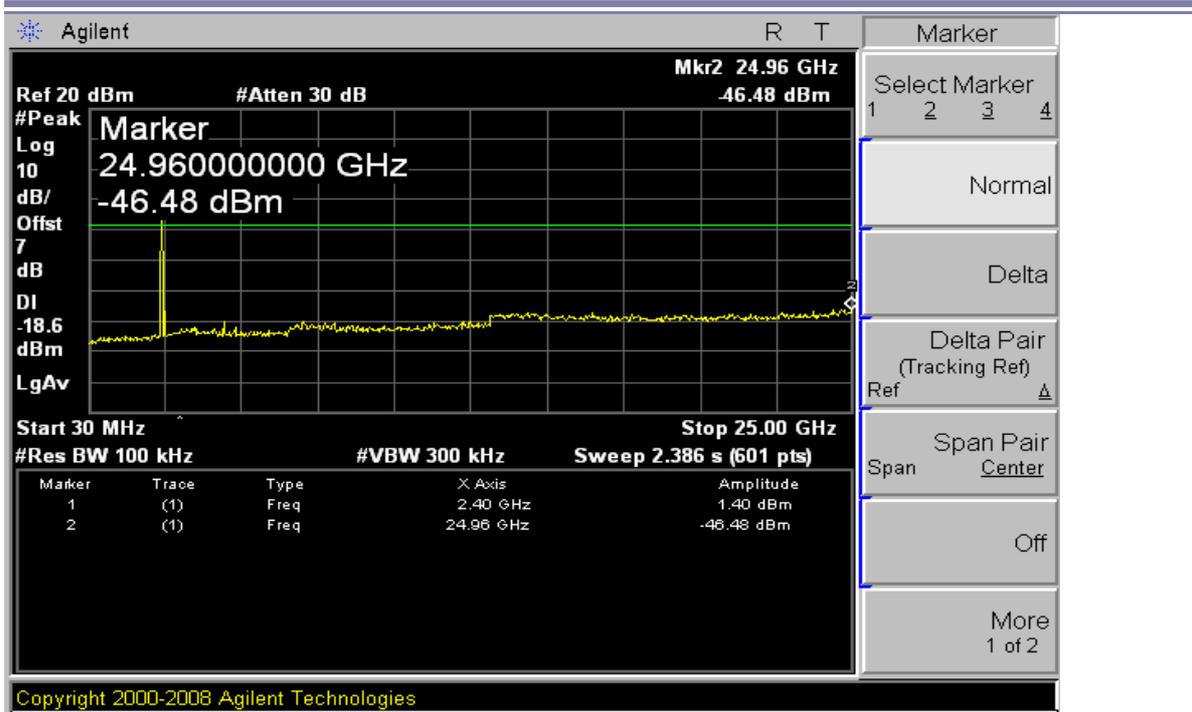
(Modulation: 8DPSK)



Channel 0

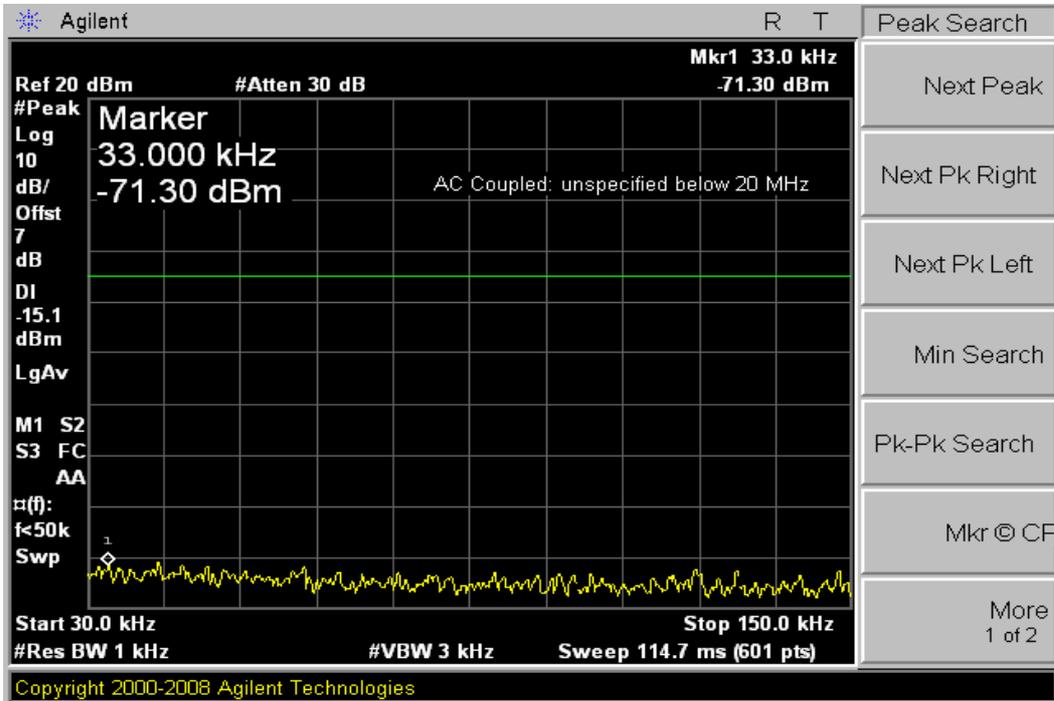


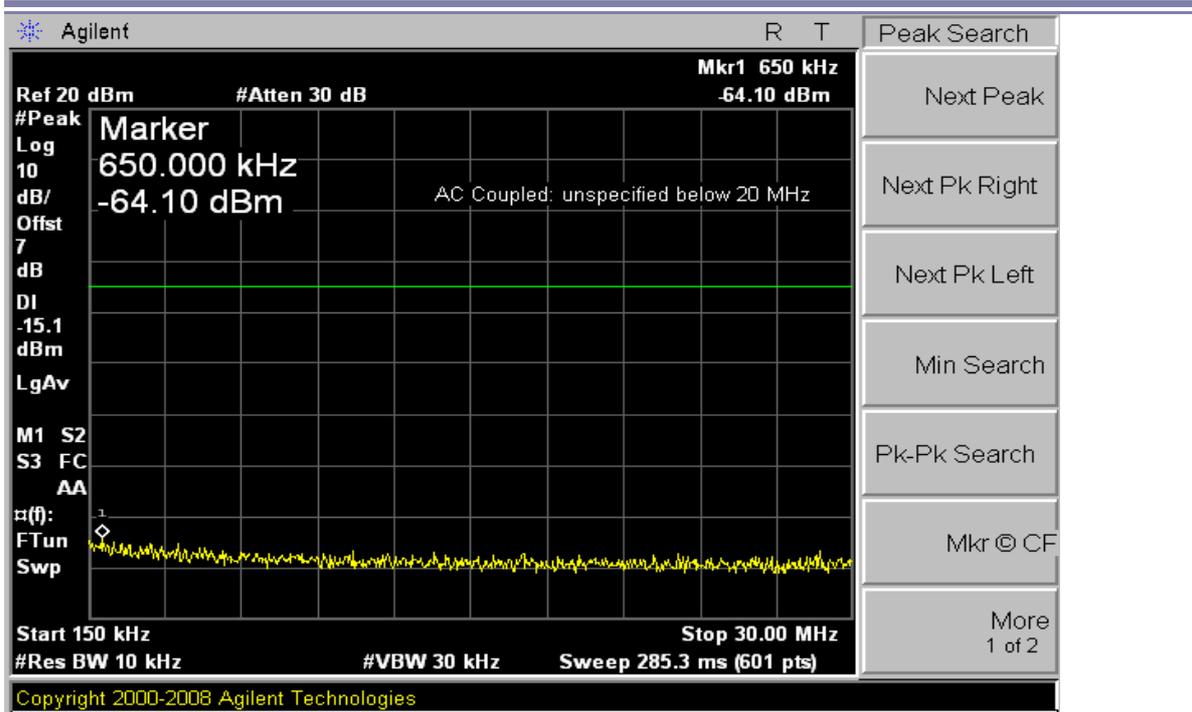


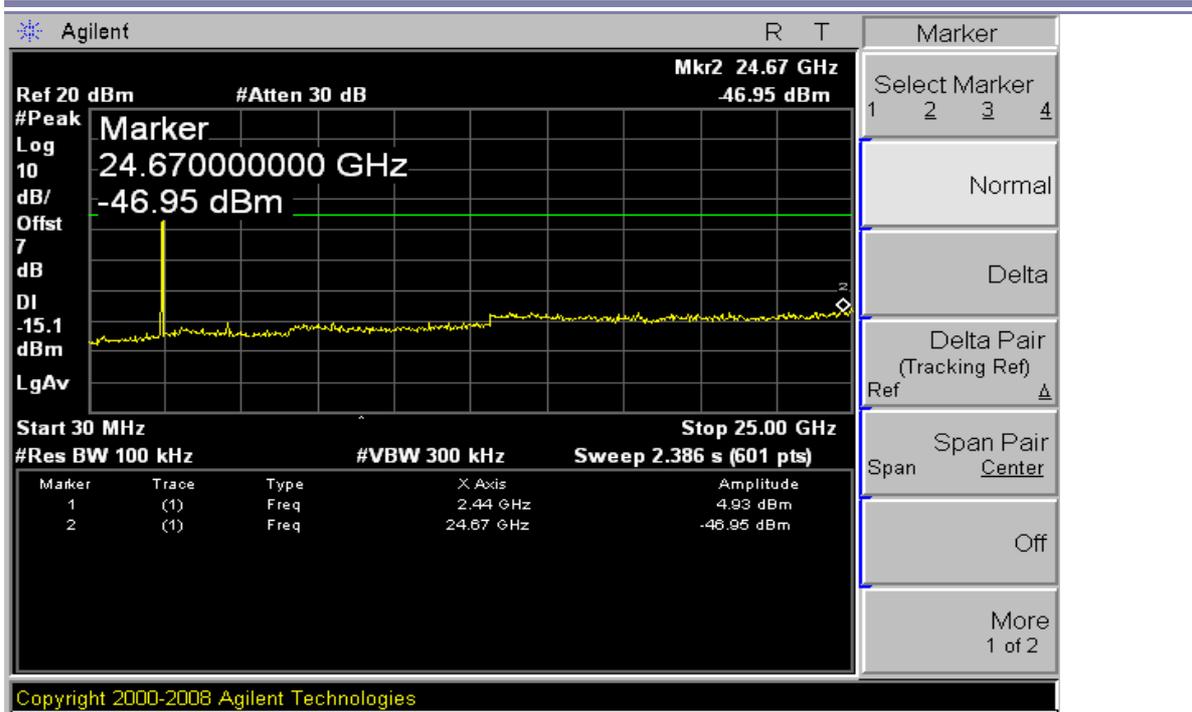




Channel 40

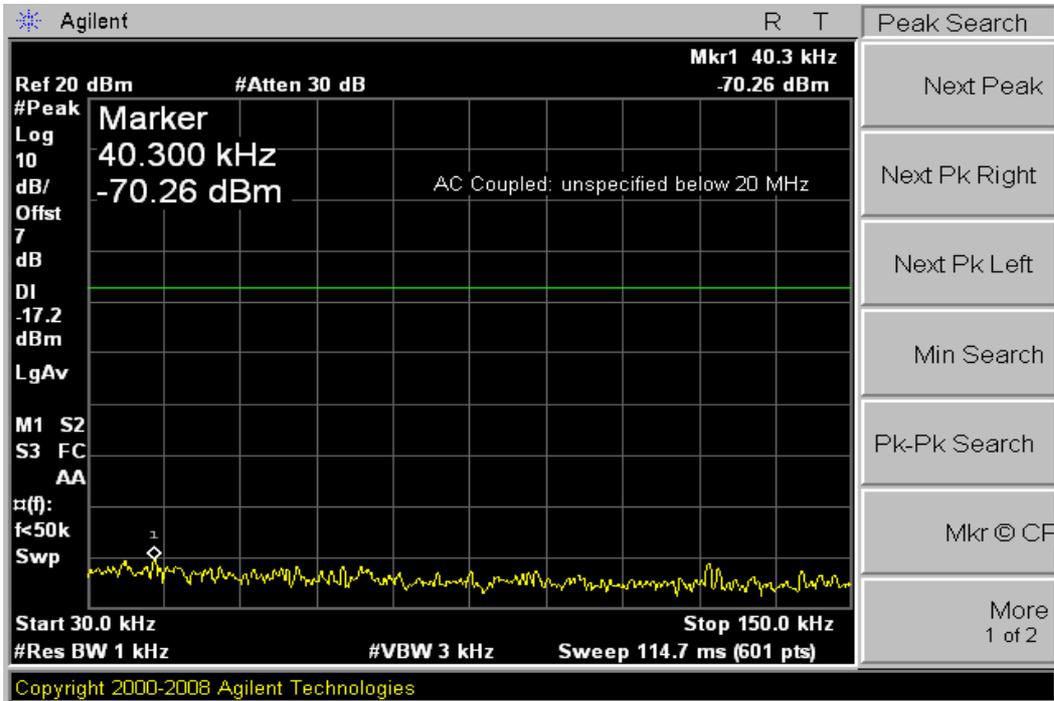


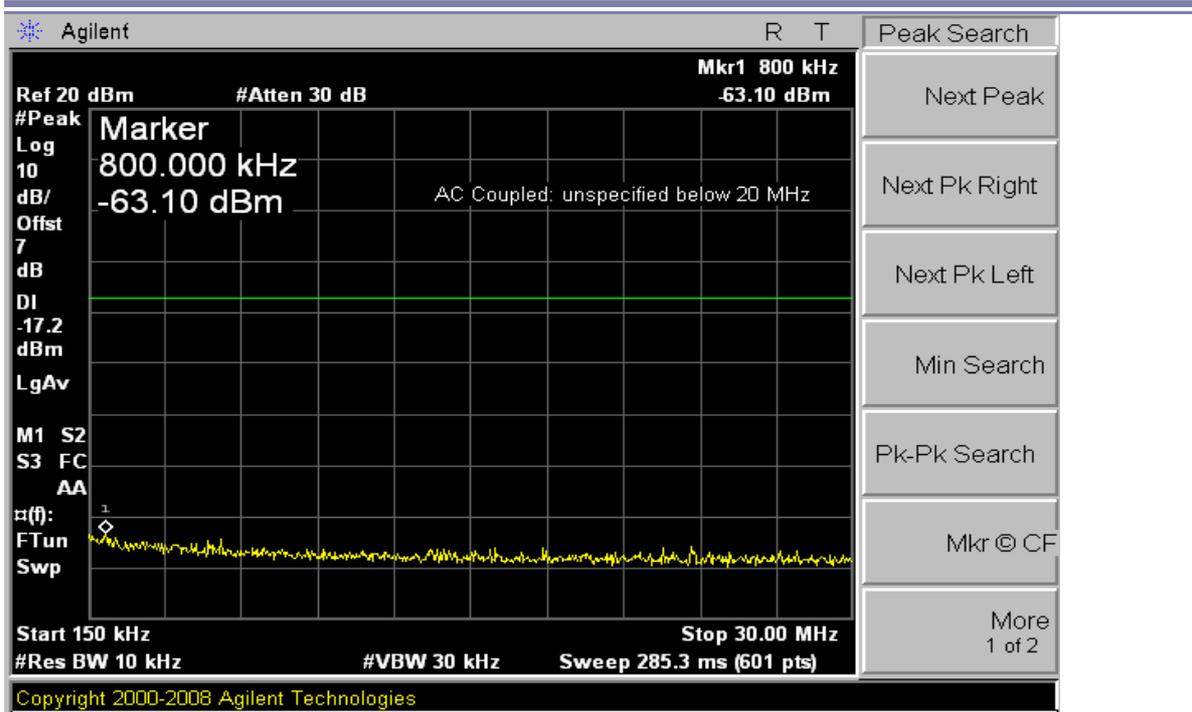


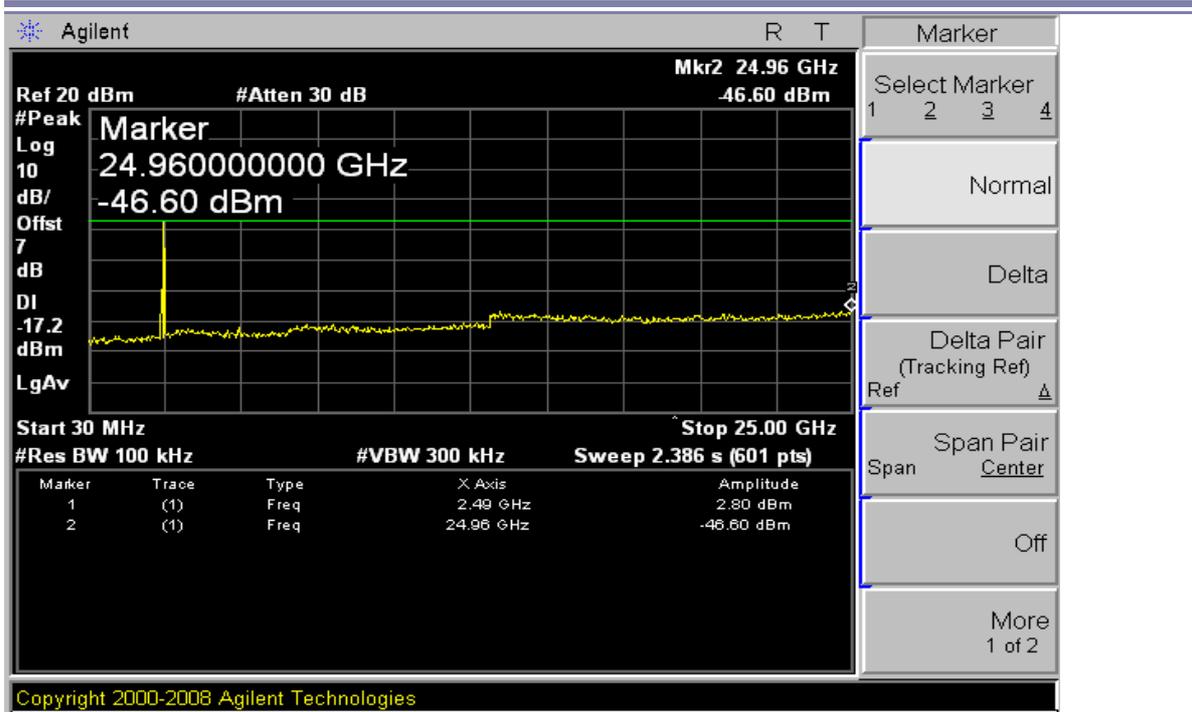




Channel 78









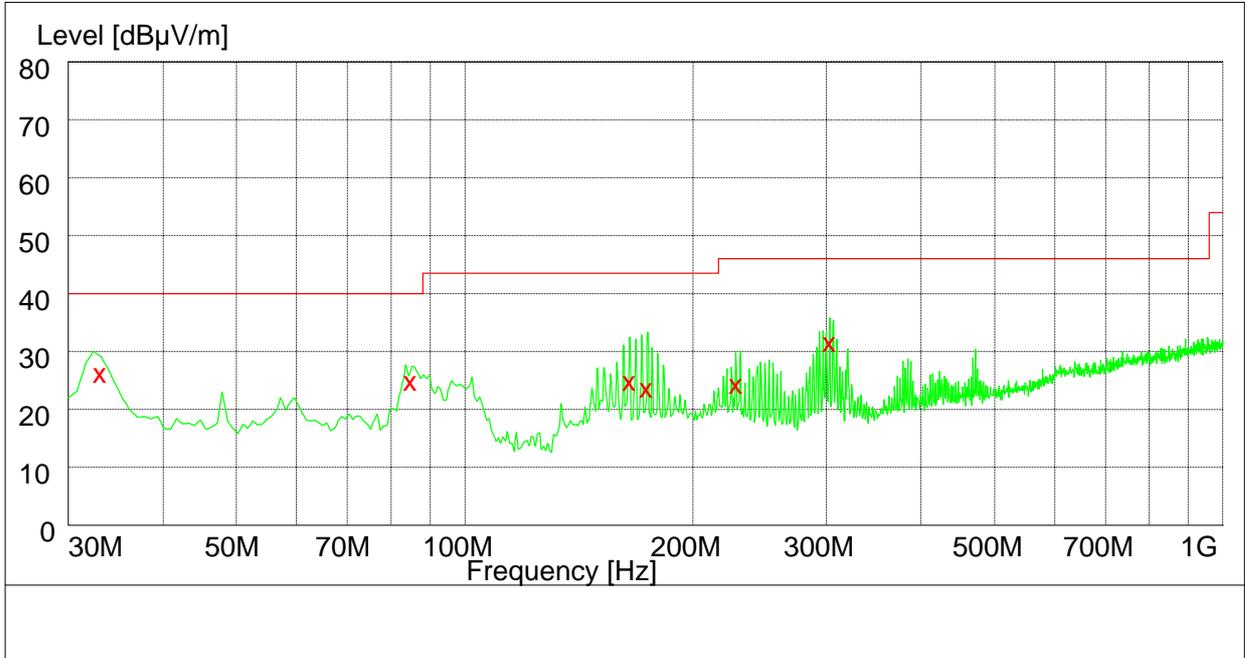
Appendix H

Radiated spurious emission

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



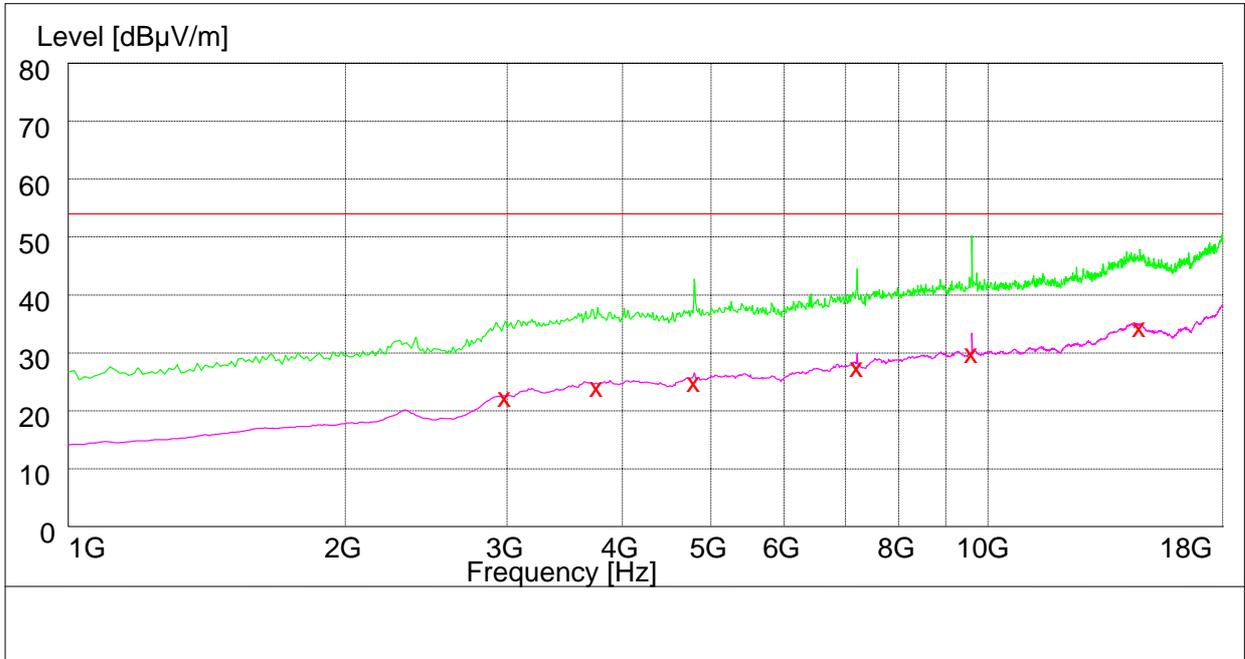
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.060000	26.40	11.7	40.0	13.6	100.0	59.00	VERTICAL
85.020000	25.00	10.2	40.0	15.0	140.0	97.00	VERTICAL
165.120000	25.10	9.8	43.5	18.4	105.0	360.00	VERTICAL
174.180000	23.90	10.5	43.5	19.6	100.0	338.00	VERTICAL
228.180000	24.40	13.4	46.0	21.6	145.0	267.00	HORIZONTAL
303.240000	31.80	15.6	46.0	14.2	100.0	91.00	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
2985.000000	22.40	-9.3	54.0	31.6	140.0	332.00	HORIZONTAL
3753.500000	24.20	-6.5	54.0	29.8	104.0	359.00	VERTICAL
4792.000000	25.00	-4.1	54.0	29.0	114.0	0.00	HORIZONTAL
7204.500000	27.60	0.6	54.0	26.4	163.0	0.00	VERTICAL
9607.500000	30.00	5.1	54.0	24.0	100.0	27.00	VERTICAL
14628.000000	34.50	12.0	54.0	19.5	149.0	323.00	VERTICAL

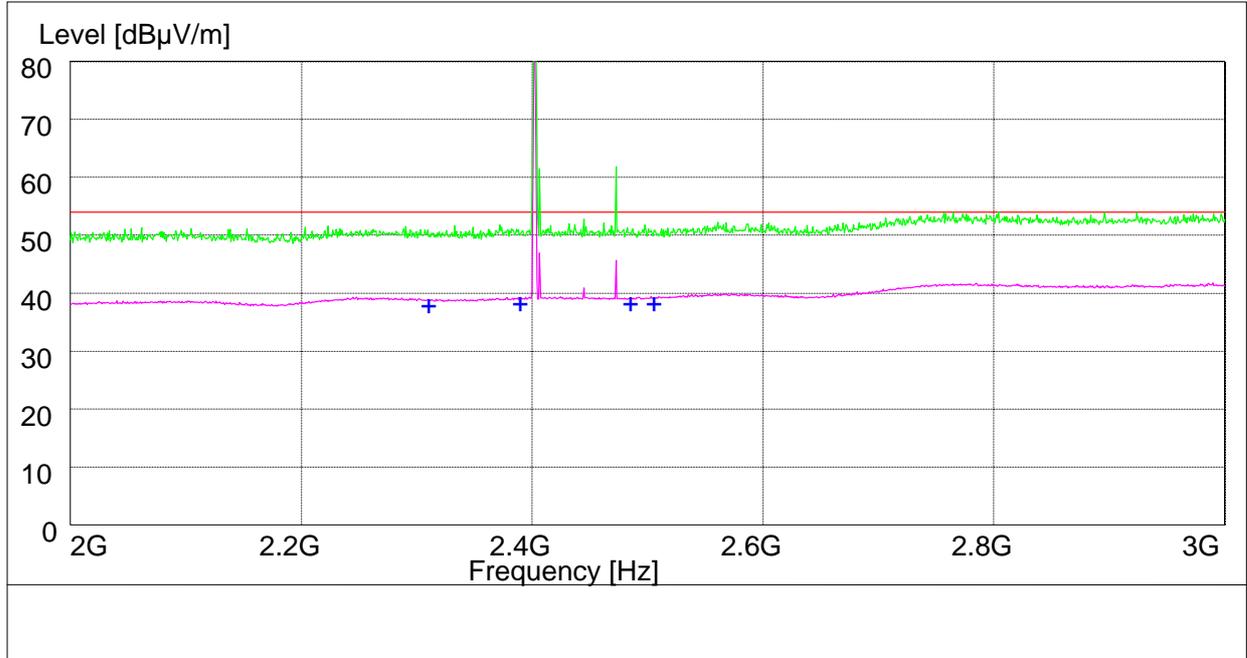


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz

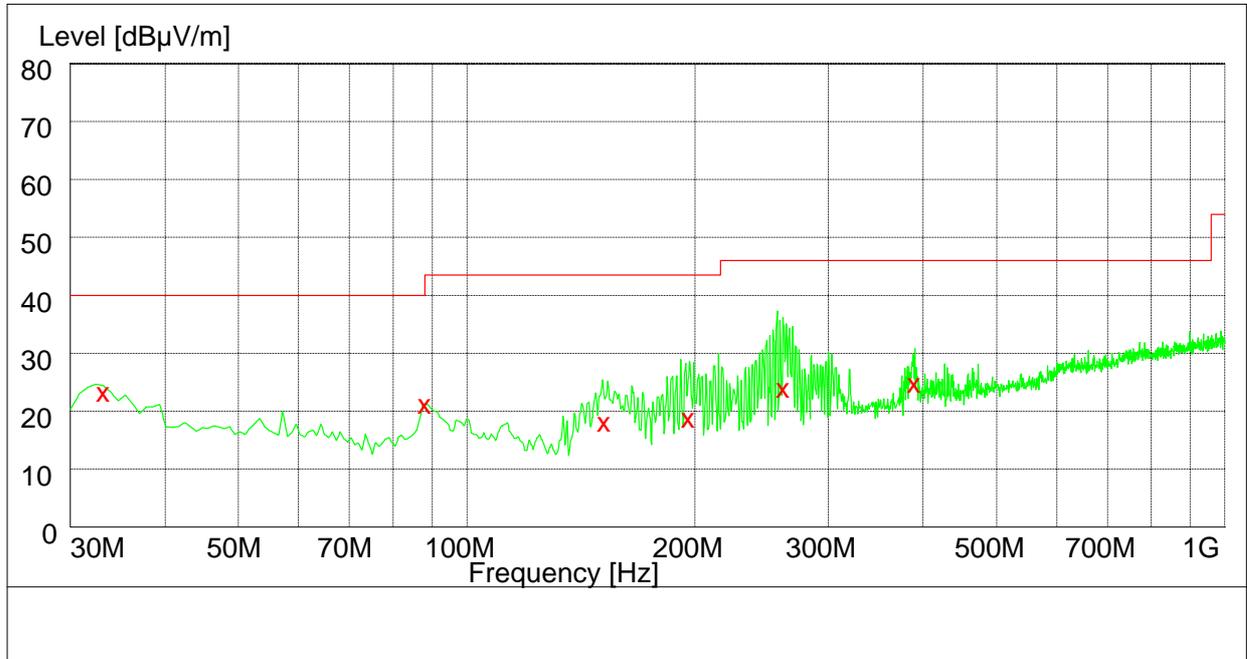


Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.10	33.3	54.0	15.9	117.0	0.00	VERTICAL
2390.000000	38.40	33.5	54.0	15.6	100.0	328.00	HORIZONTAL
2483.500000	38.40	33.7	54.0	15.6	166.0	0.00	VERTICAL
2500.000000	38.50	33.8	54.0	15.5	165.0	36.00	VERTICAL



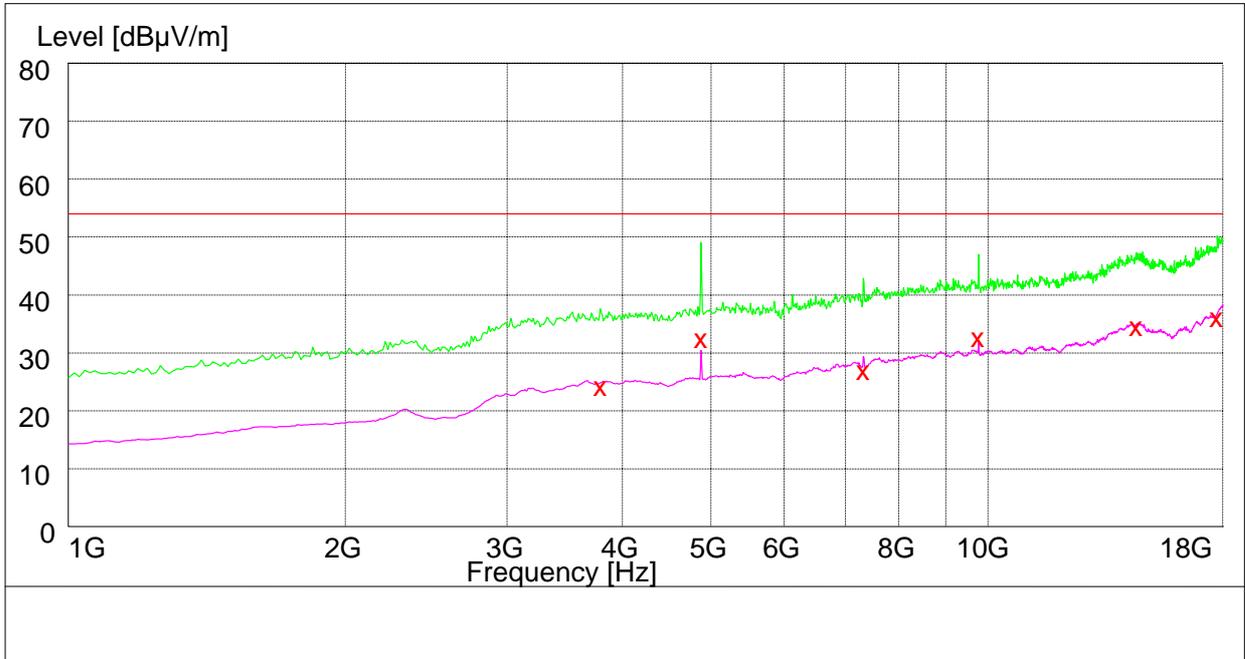
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.180000	23.50	11.7	40.0	16.5	100.0	161.00	VERTICAL
88.260000	21.40	11.2	43.5	22.1	112.0	112.00	VERTICAL
151.860000	18.20	9.1	43.5	25.3	106.0	346.00	VERTICAL
196.200000	18.90	12.0	43.5	24.6	148.0	87.00	HORIZONTAL
261.900000	24.10	14.3	46.0	21.9	100.0	185.00	HORIZONTAL
389.940000	25.00	17.9	46.0	21.0	196.0	184.00	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
3795.000000	24.40	-6.3	54.0	29.6	162.0	81.00	HORIZONTAL
4883.500000	32.60	-3.9	54.0	21.4	117.0	326.00	VERTICAL
7329.500000	27.10	0.7	54.0	26.9	100.0	151.00	VERTICAL
9767.500000	32.70	5.1	54.0	21.3	100.0	32.00	VERTICAL
14503.000000	34.70	12.4	54.0	19.3	100.0	96.00	HORIZONTAL
17750.000000	36.30	15.8	54.0	17.7	140.0	178.00	HORIZONTAL

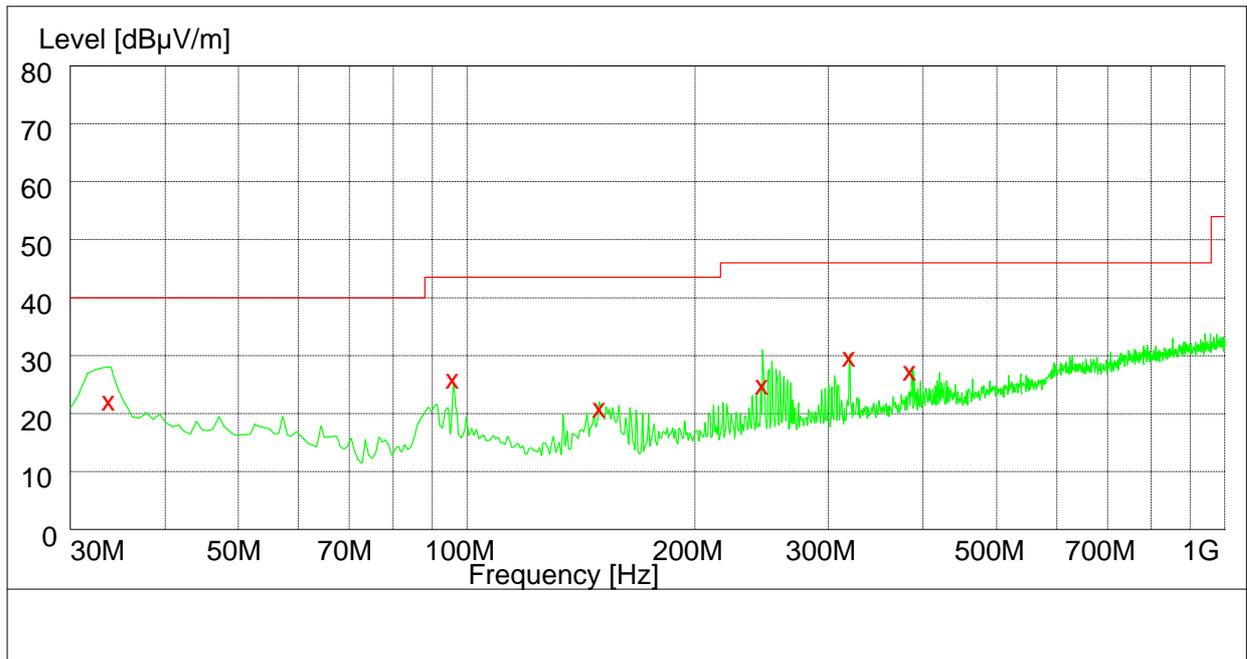


18GHz to 26GHz

Note: No peak found in pre- test.



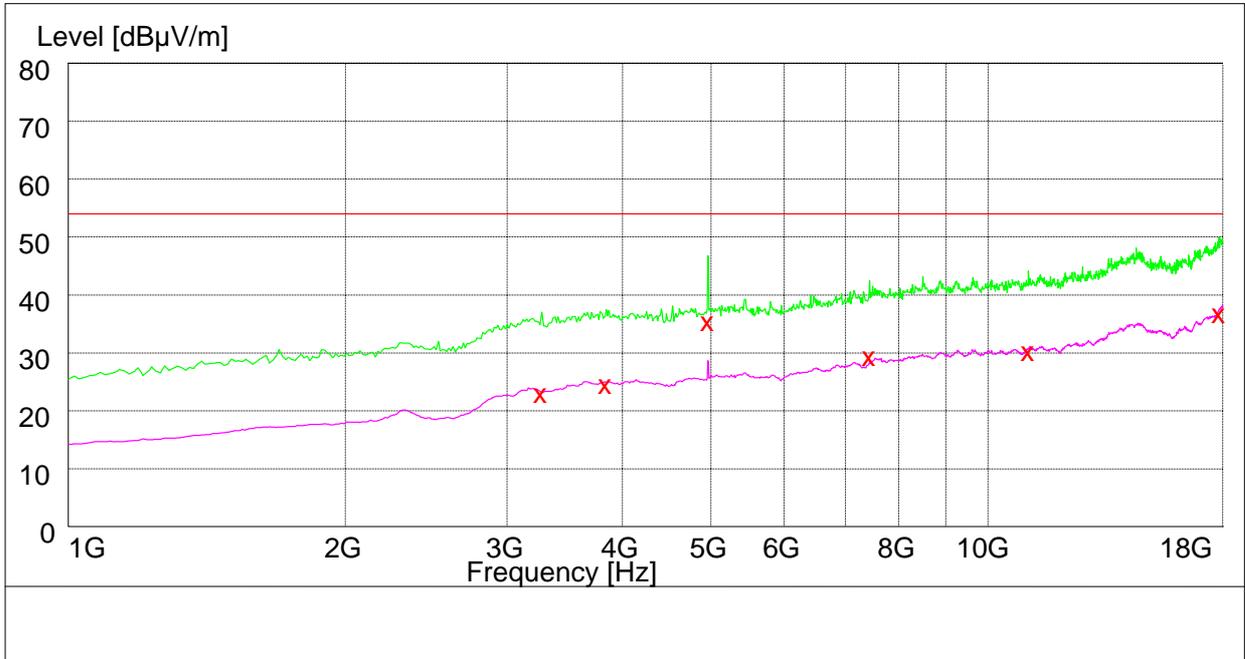
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.780000	22.30	11.7	40.0	17.7	100.0	113.00	VERTICAL
96.000000	26.00	12.8	43.5	17.5	100.0	112.00	VERTICAL
149.940000	21.10	8.9	43.5	22.4	100.0	0.00	VERTICAL
245.700000	25.00	14.1	46.0	21.0	100.0	53.00	HORIZONTAL
319.980000	29.90	16.0	46.0	16.1	124.0	154.00	HORIZONTAL
385.320000	27.50	17.7	46.0	18.5	100.0	325.00	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
3265.000000	23.10	-8.1	54.0	30.9	100.0	131.00	VERTICAL
3837.500000	24.60	-6.2	54.0	29.4	105.0	223.00	VERTICAL
4960.000000	35.60	-3.8	54.0	18.4	100.0	334.00	VERTICAL
7439.500000	29.50	1.2	54.0	24.5	113.0	0.00	VERTICAL
11059.000000	30.40	6.8	54.0	23.6	100.0	131.00	HORIZONTAL
17825.500000	36.90	16.2	54.0	17.1	100.0	352.00	HORIZONTAL

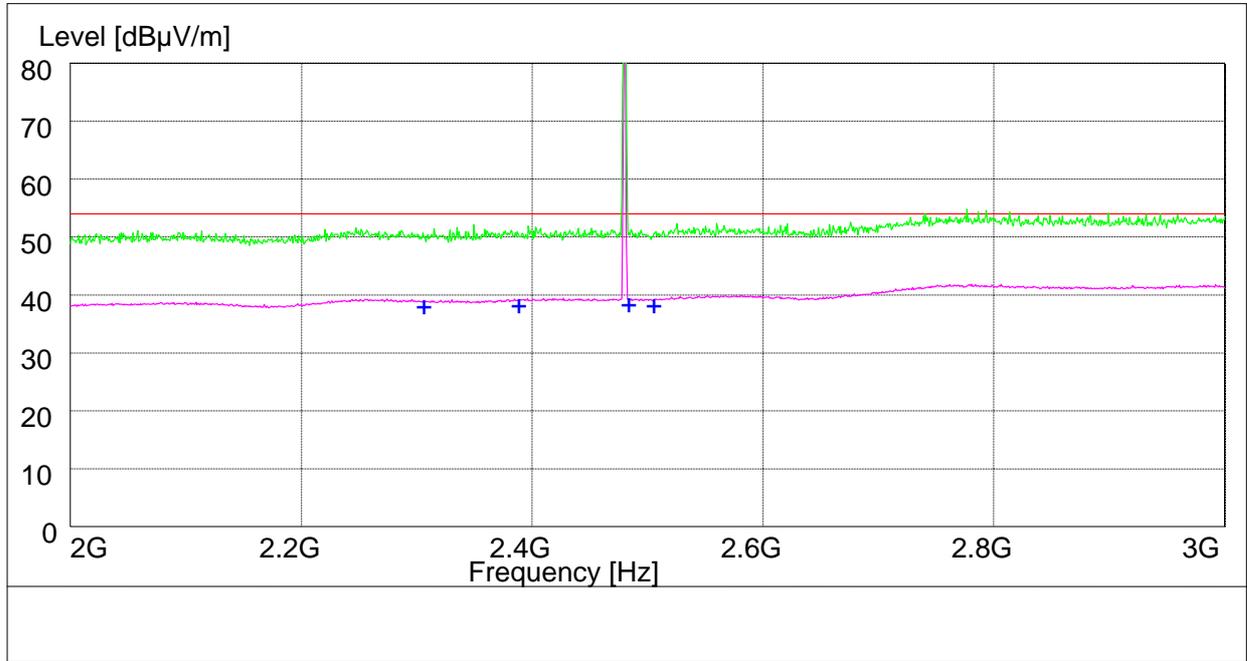


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



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
2310.000000	38.20	33.2	54.0	15.8	111.0	78.00	VERTICAL
2390.000000	38.40	33.5	54.0	15.6	109.0	89.00	VERTICAL
2483.500000	38.60	33.7	54.0	15.4	147.0	336.00	HORIZONTAL
2500.000000	38.50	33.7	54.0	14.5	177.0	285.00	HORIZONTAL



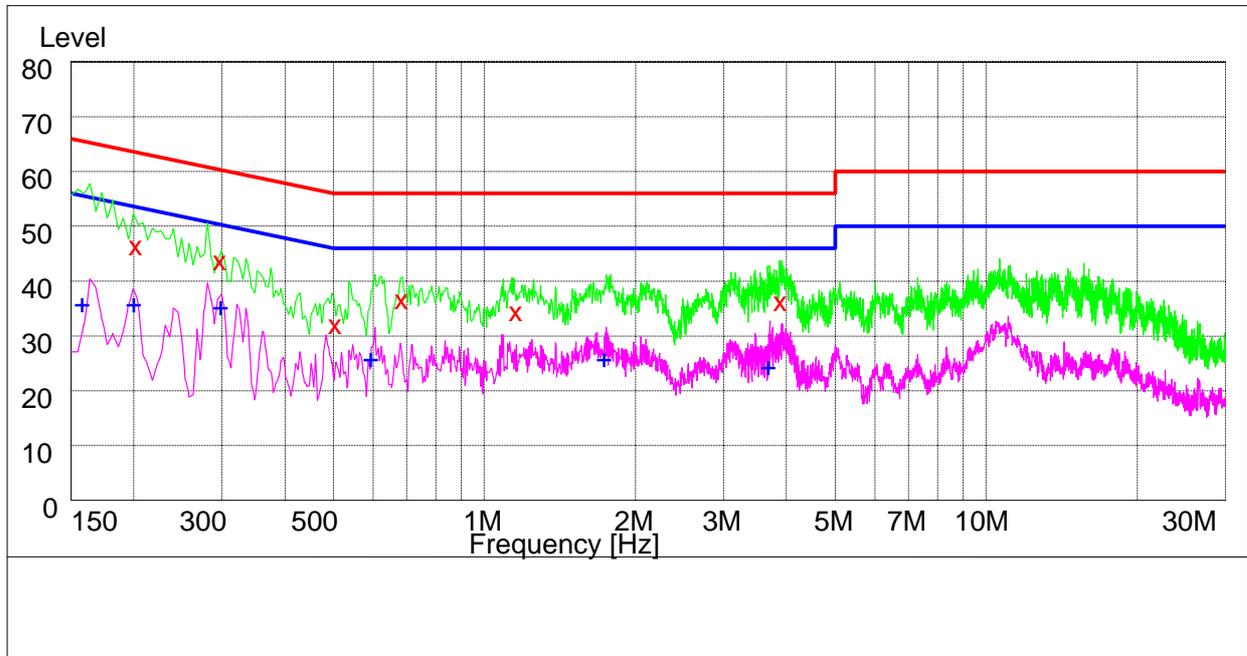
Appendix I

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
0.202000	46.60	10.1	64	17.4	L1	FLO
0.298000	44.00	10.0	60	16.0	N	FLO
0.506000	32.40	10.1	56	23.6	N	FLO
0.686000	36.90	10.1	56	19.1	N	FLO
1.158000	34.70	10.1	56	21.3	N	FLO
3.904000	36.50	10.2	56	19.5	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.158000	37.20	10.1	56	18.8	N	FLO
0.200000	37.30	10.1	56	18.7	N	FLO
0.298000	36.60	10.0	50	13.4	N	FLO
0.594000	27.20	10.1	46	18.8	N	FLO
1.732000	27.20	10.1	46	18.8	L1	FLO
3.684000	25.80	10.2	46	20.2	L1	FLO