



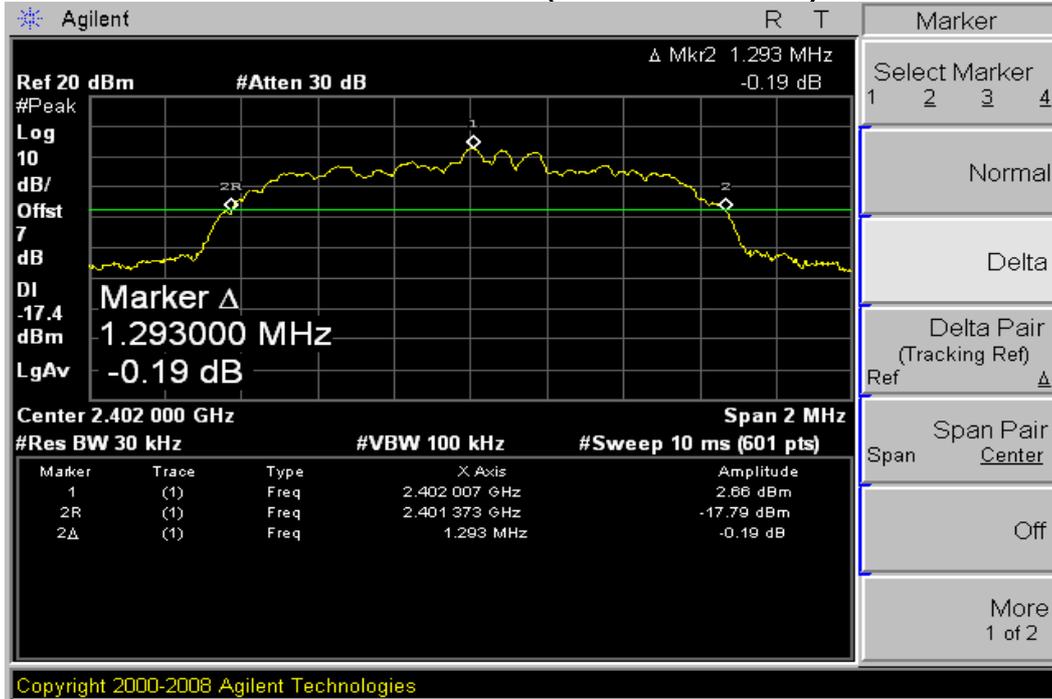
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

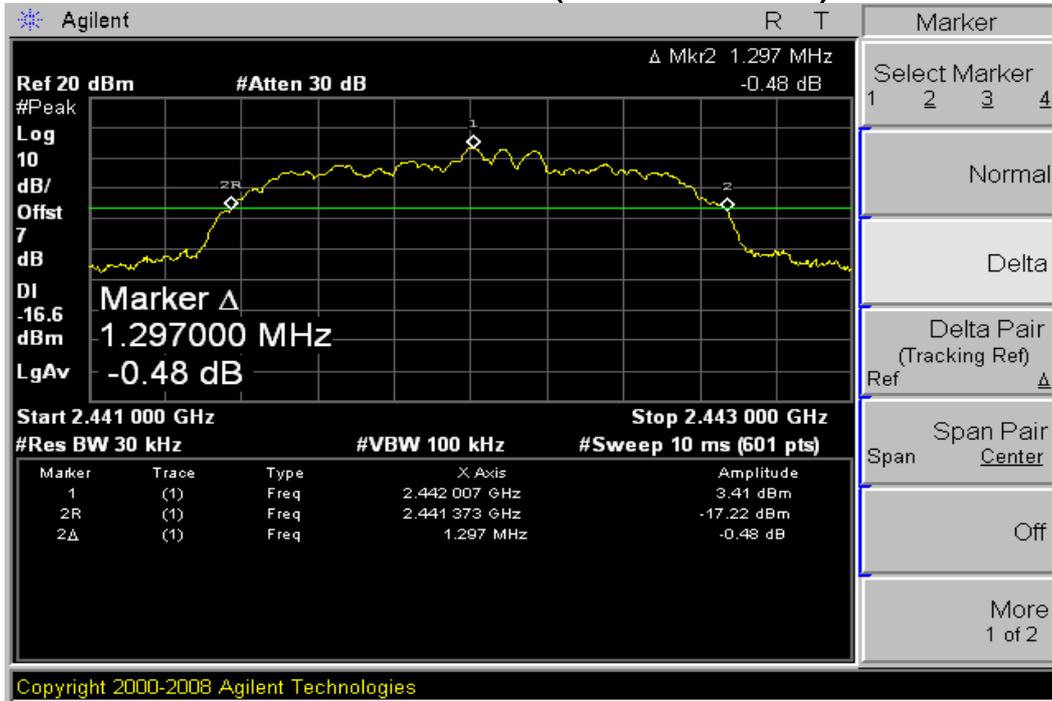


Modulation: $\pi/4$ -DQPSK Channel 0 (2402MHz)



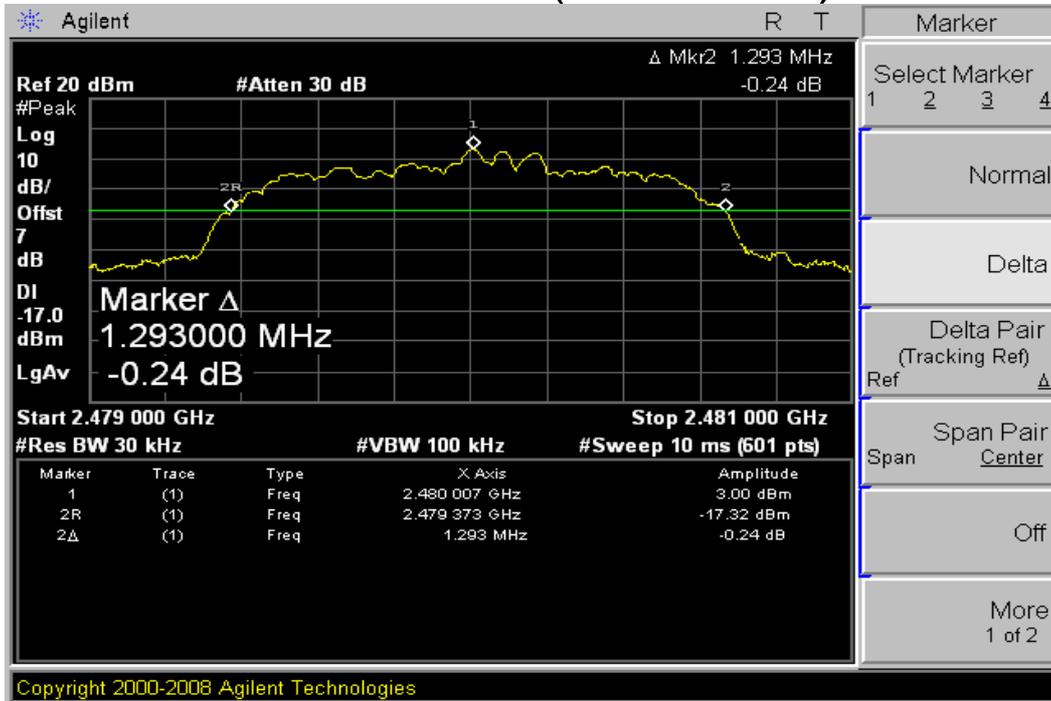


Channel 40 (2442MHz)



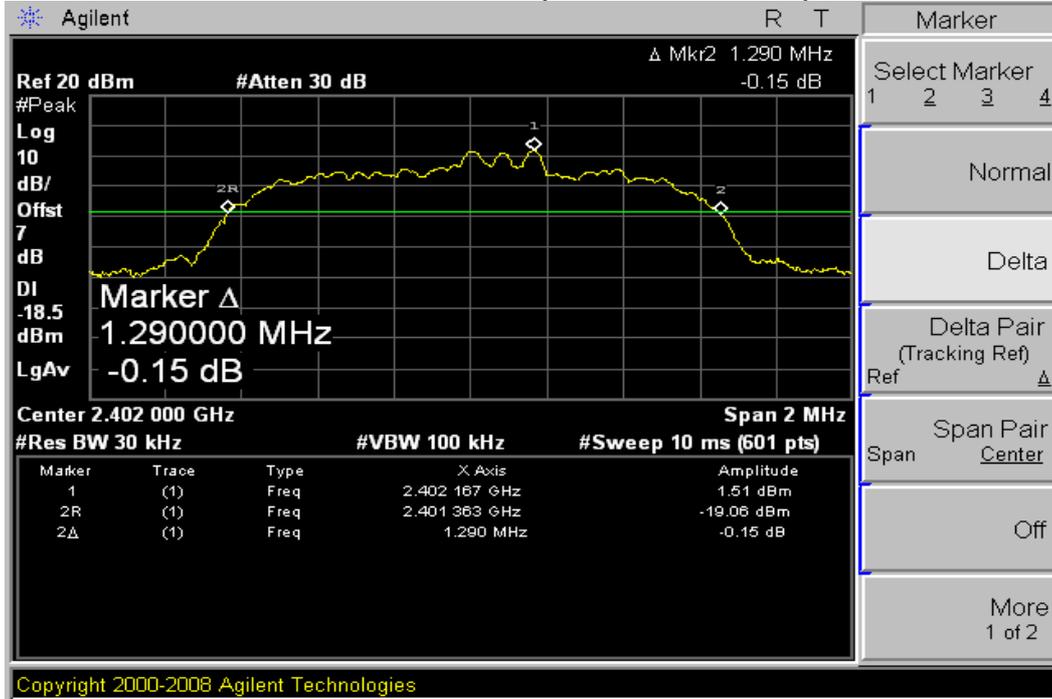


Channel 78 (2480MHz)



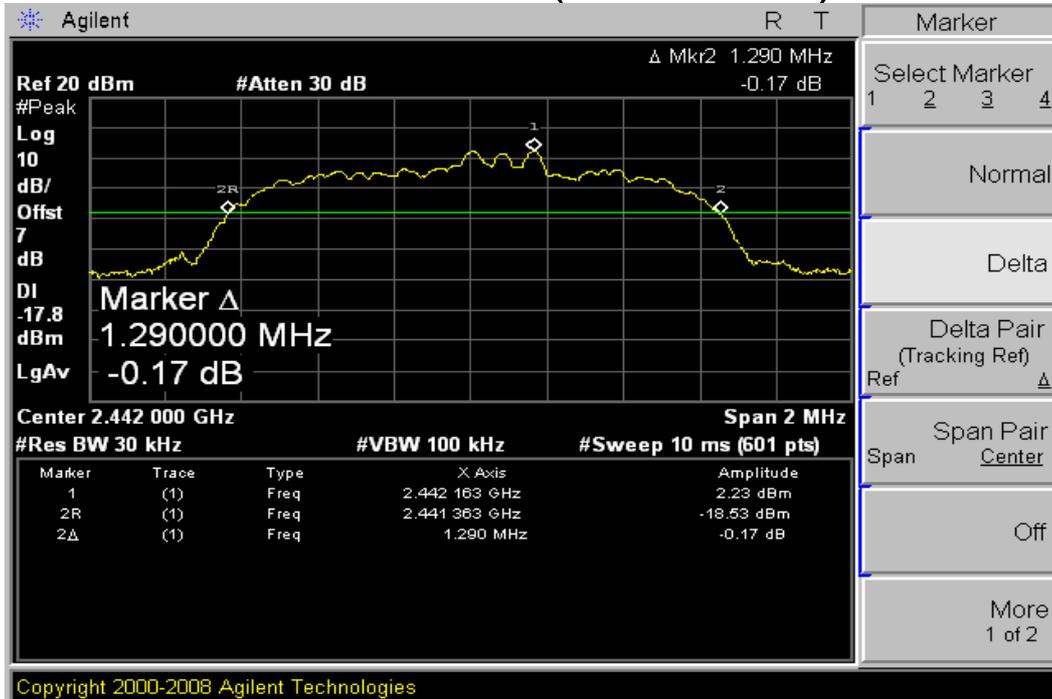


Modulation: 8DPSK Channel 0 (2402MHz)



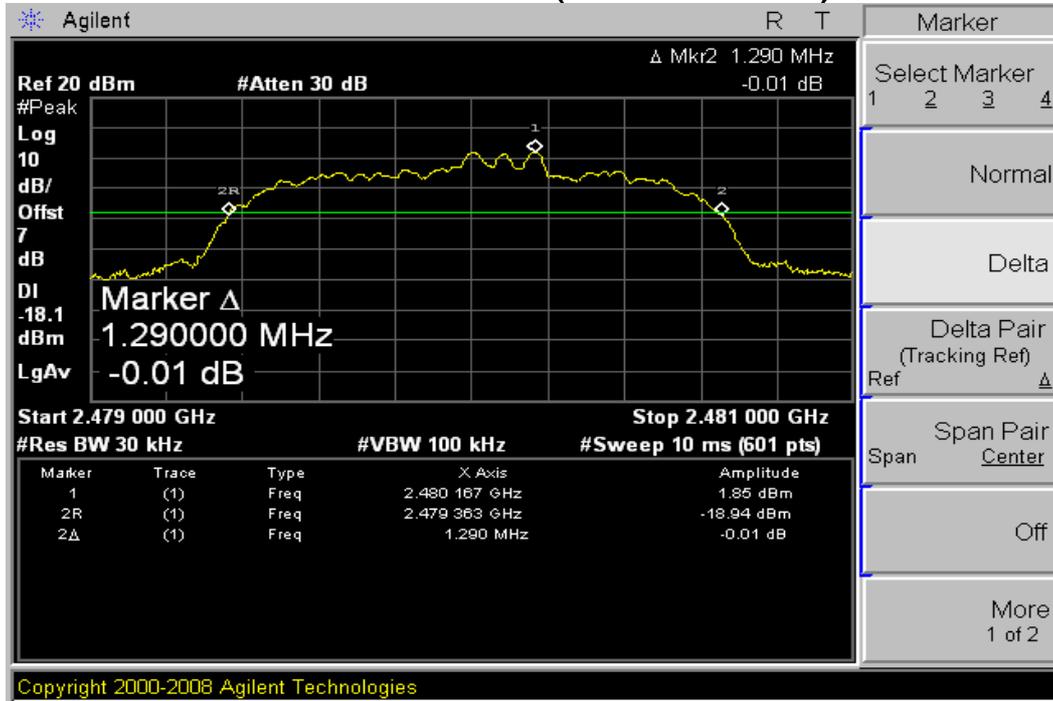


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix B

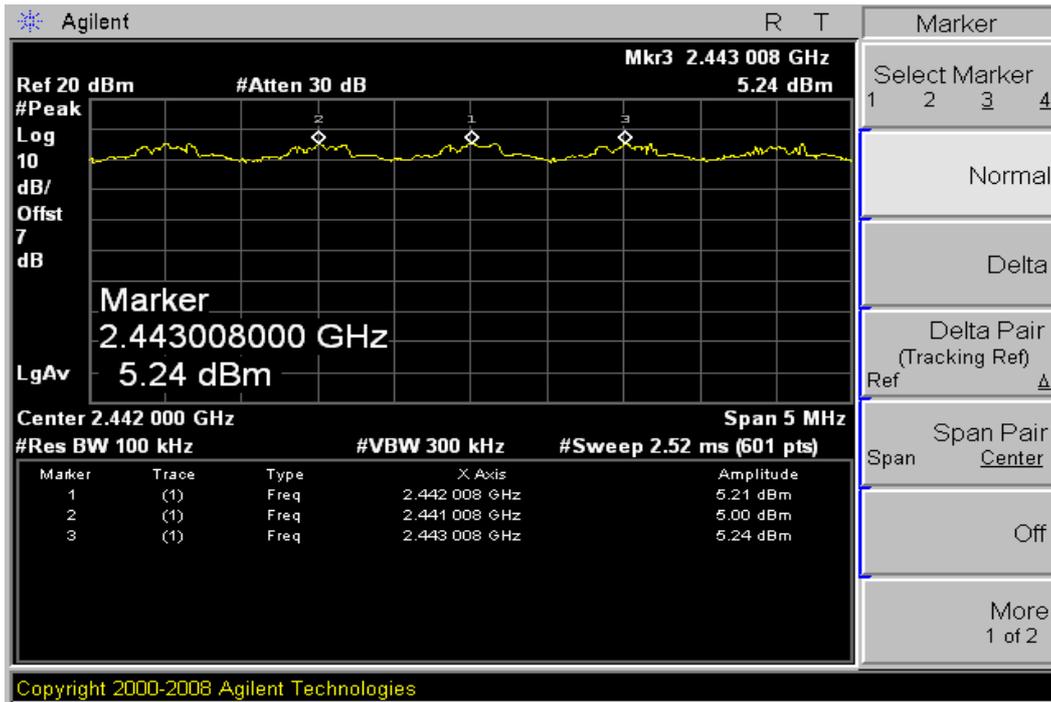
Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



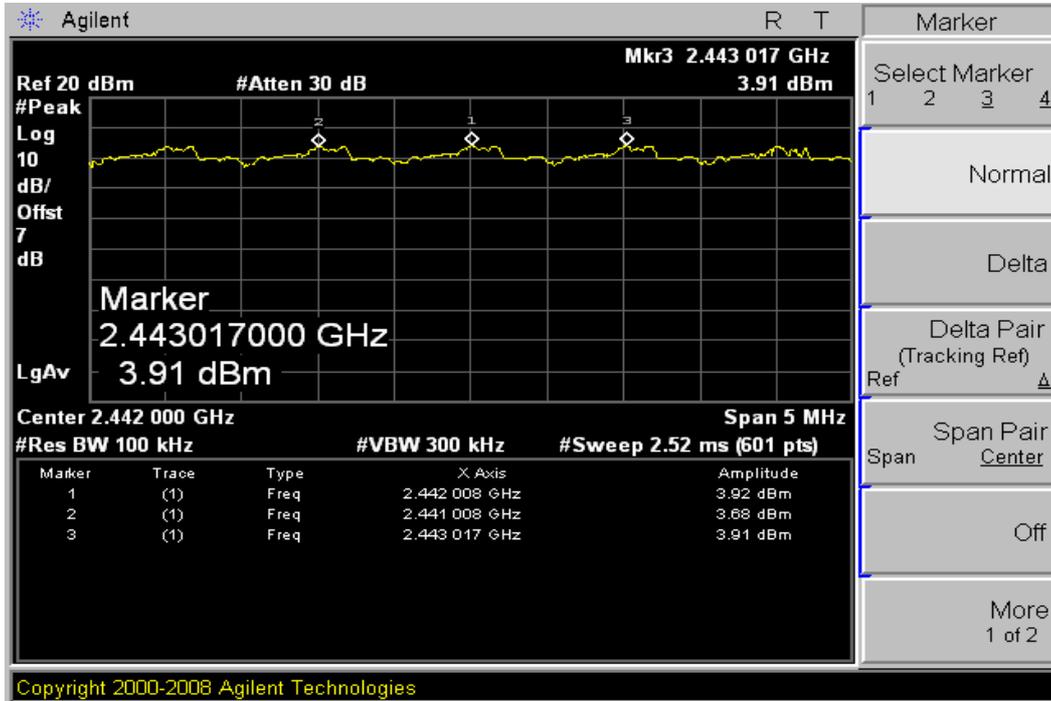
Modulation: $\pi/4$ -DQPSK

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

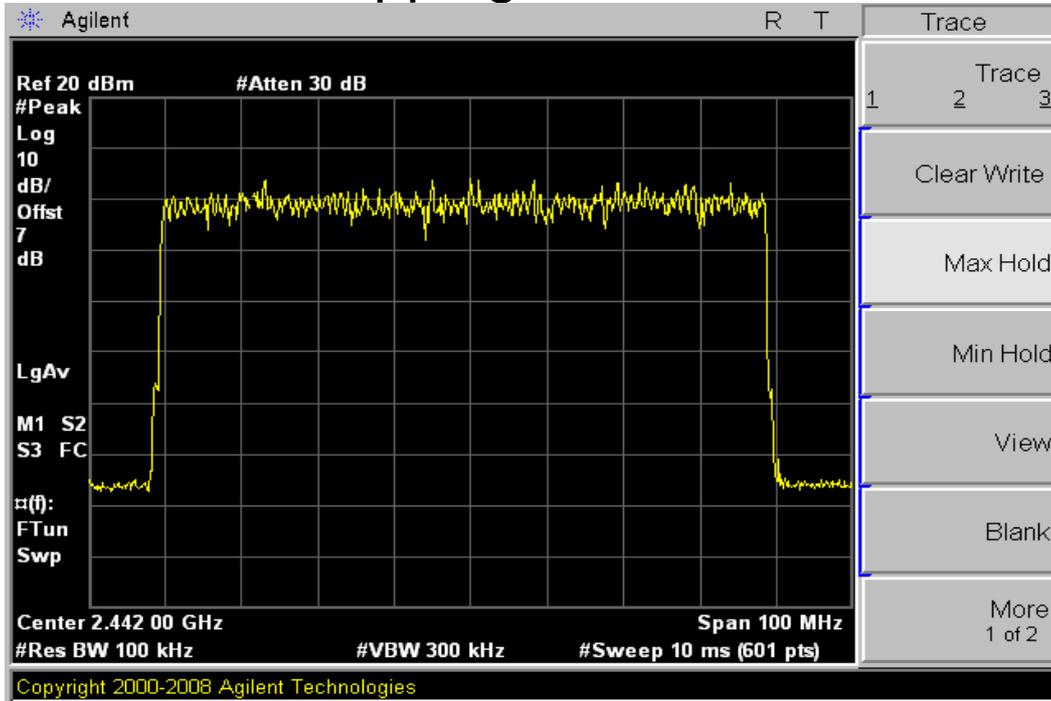
Total hopping channels = 79





Modulation: 8DPSK

Total hopping channels = 79





Appendix D

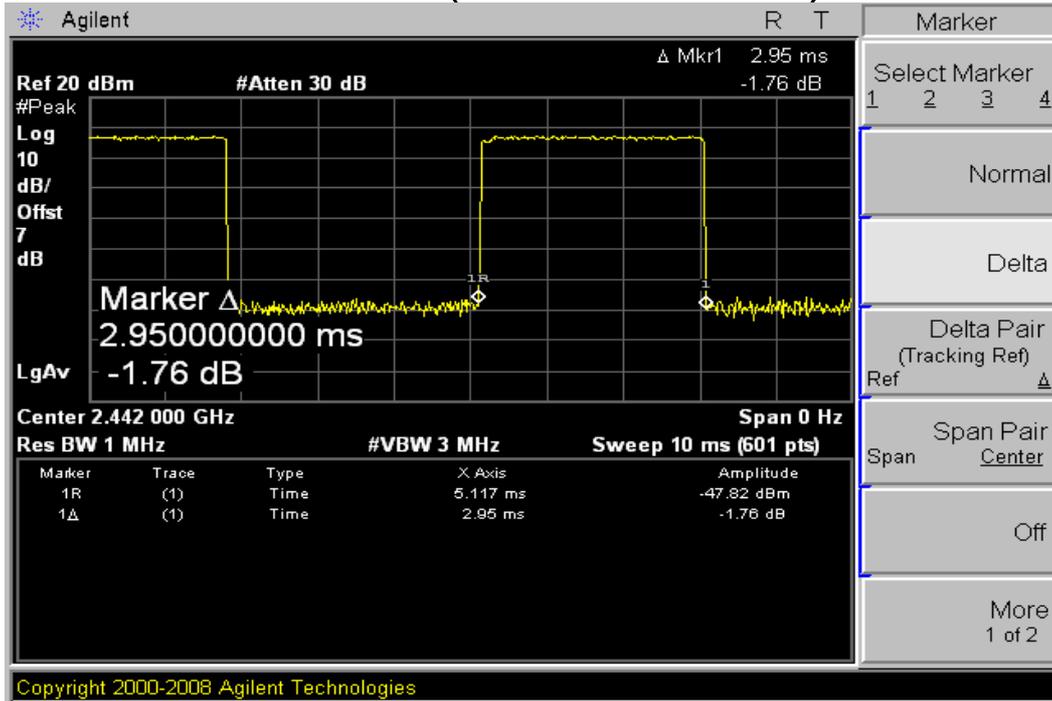
Time of occupancy

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



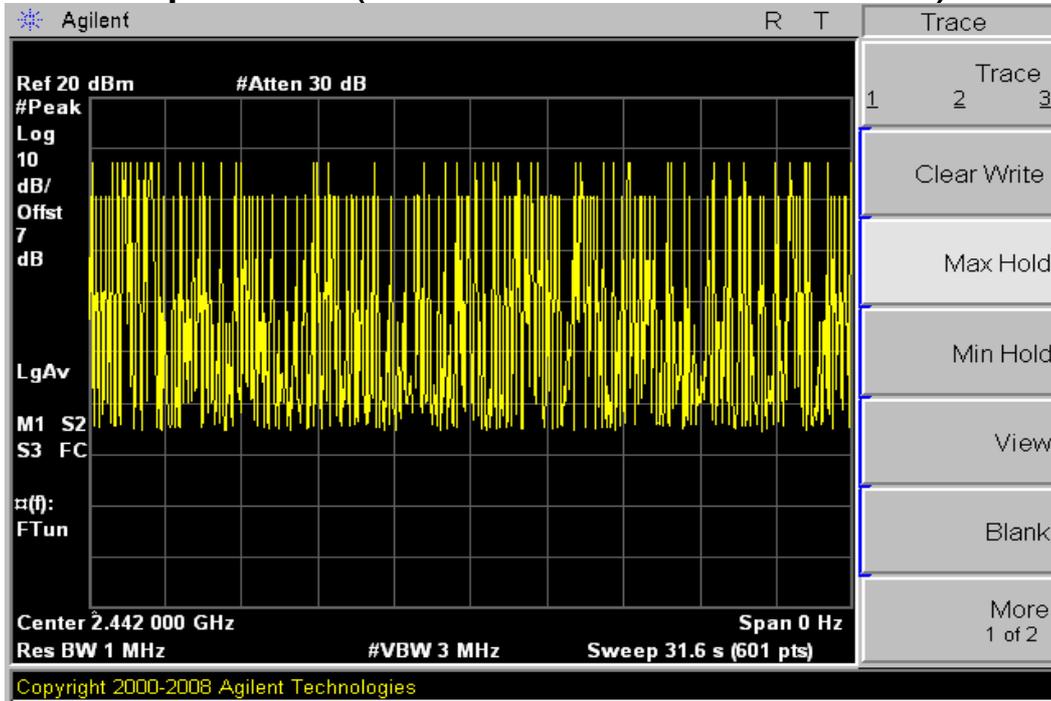
Modulation: $\pi/4$ -DQPSK

A burst (One time slot)





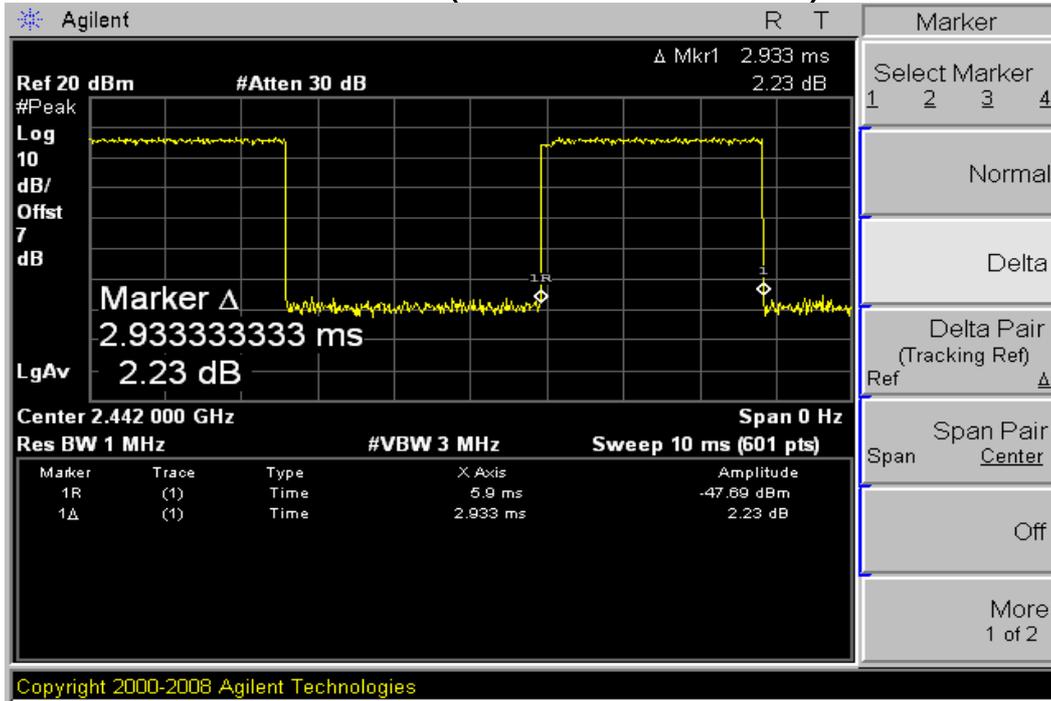
A period (Less than 106.7 burst)





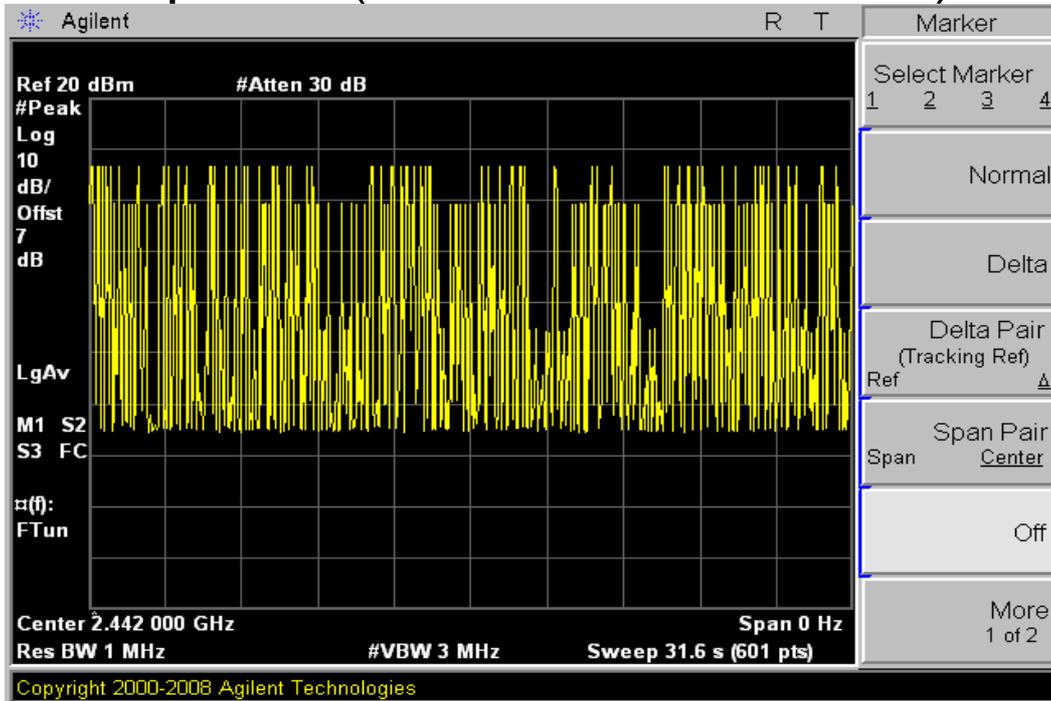
Modulation: 8DPSK

A burst (One time slot)





A period (Less than 106.7 burst)





Appendix E

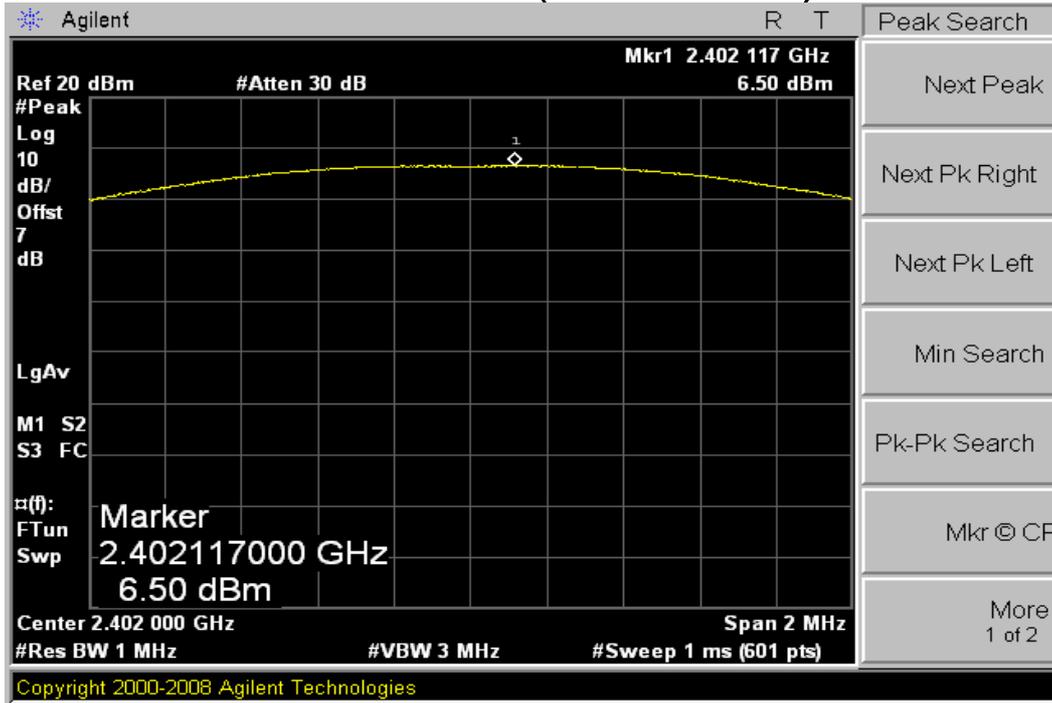
Peak output power

According to FCC Part 15.247 (b) (1)



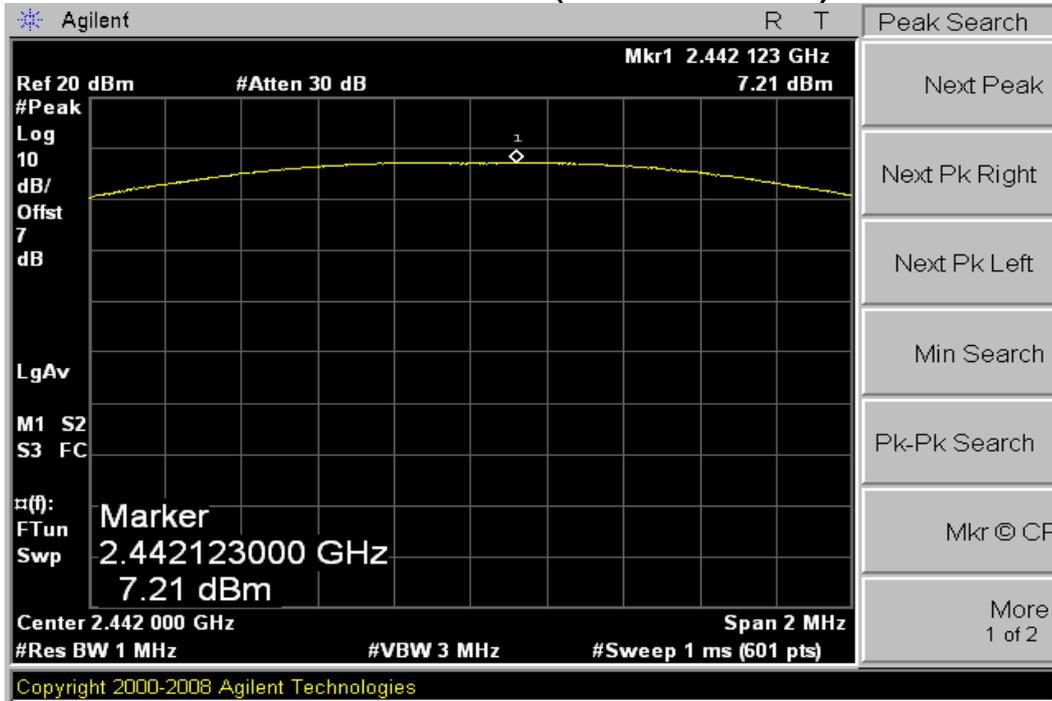
Modulation: $\pi/4$ -DQPSK

Channel 0 (2402MHz)



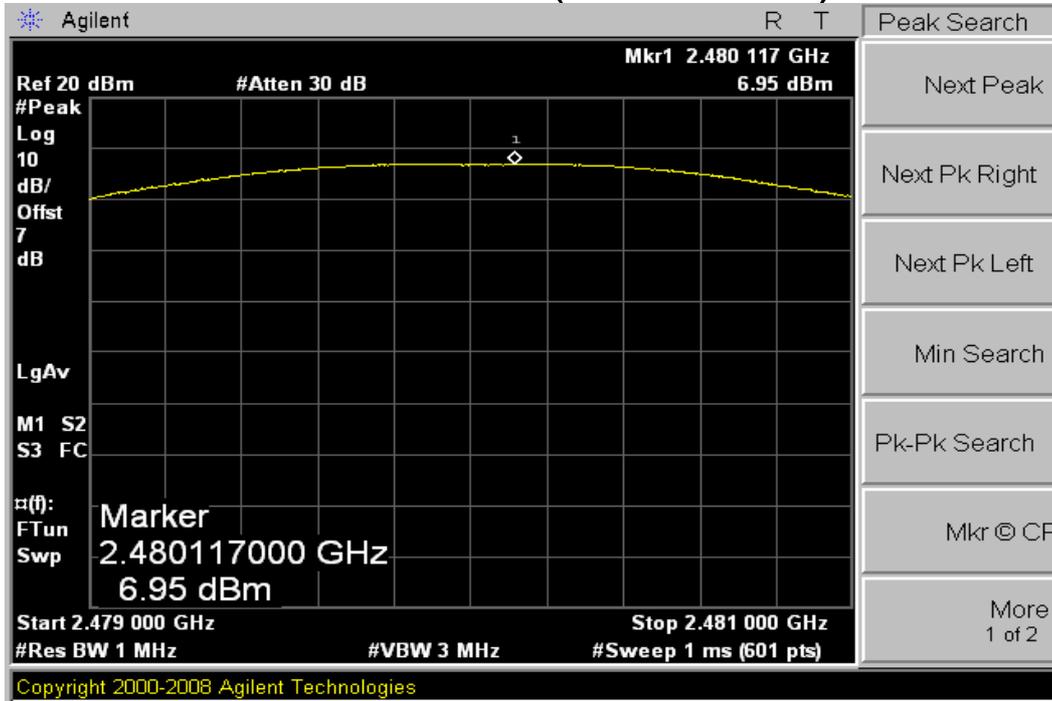


Channel 40 (2442MHz)



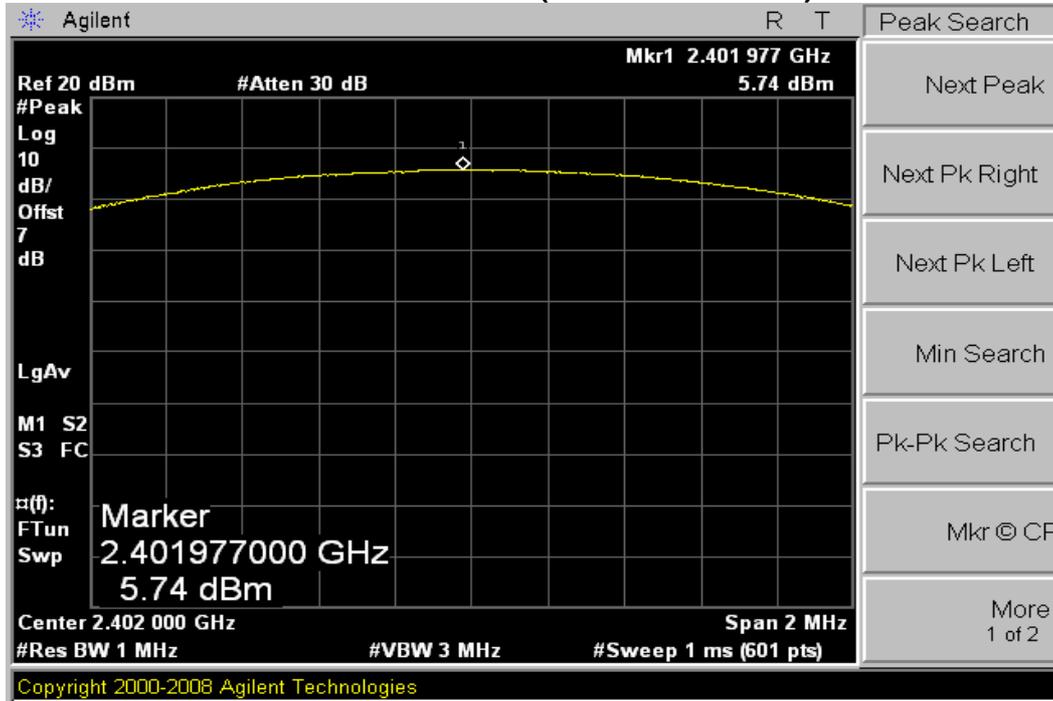


Channel 78 (2480MHz)



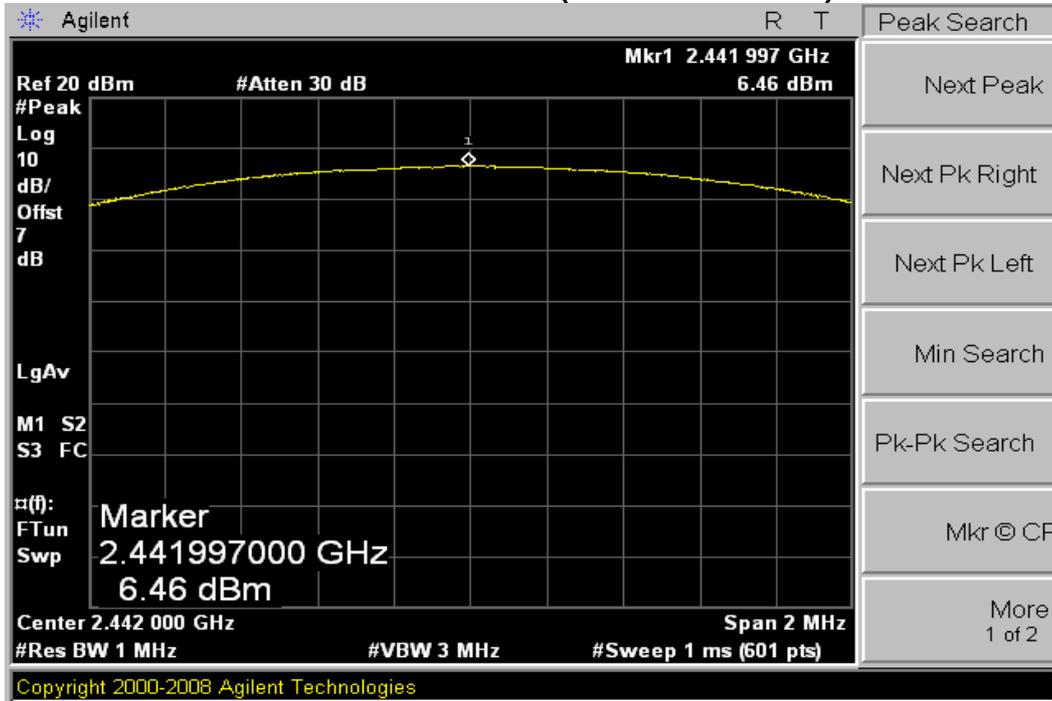


Modulation: 8DPSK Channel 0 (2402MHz)



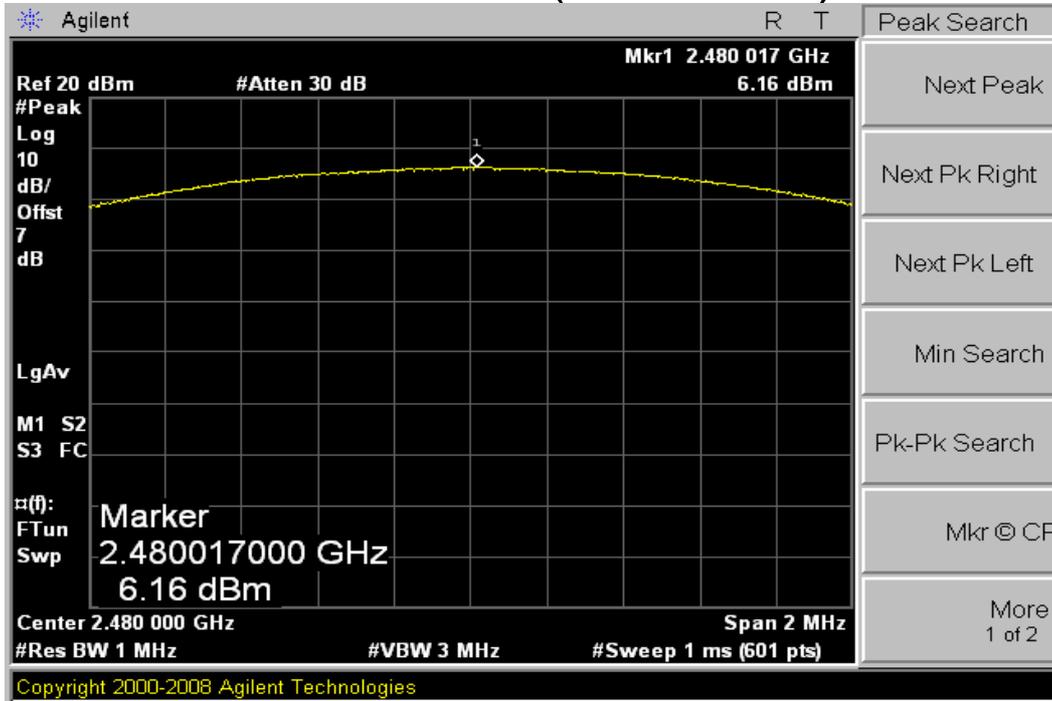


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix F

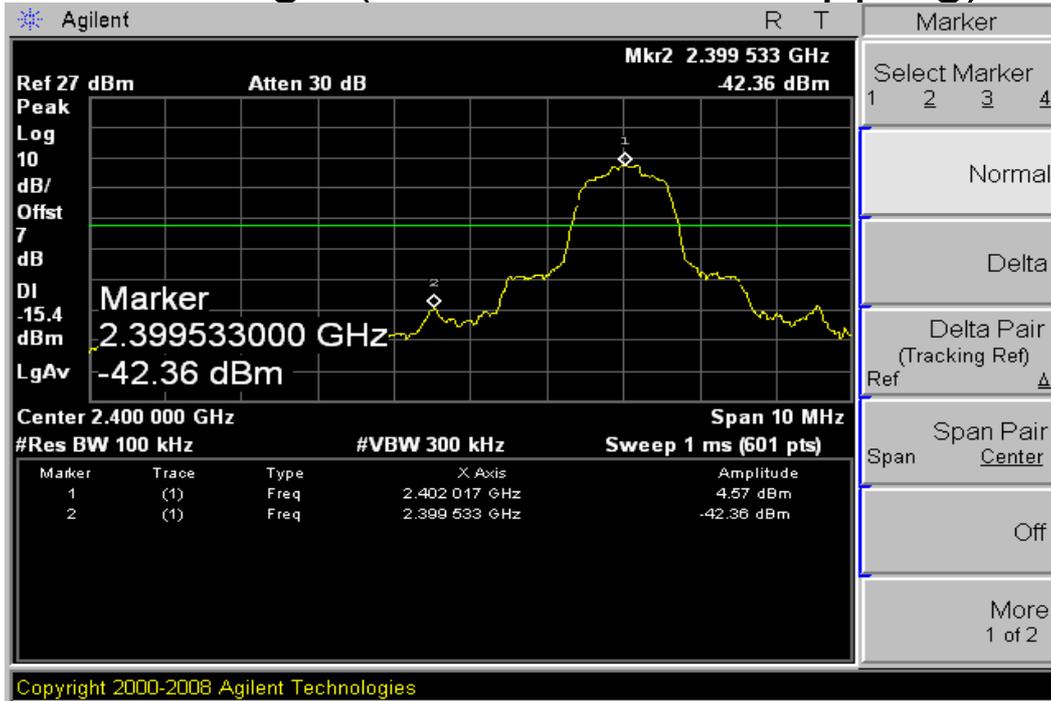
Band edge spurious emission

According to FCC Part 15.247 (d)



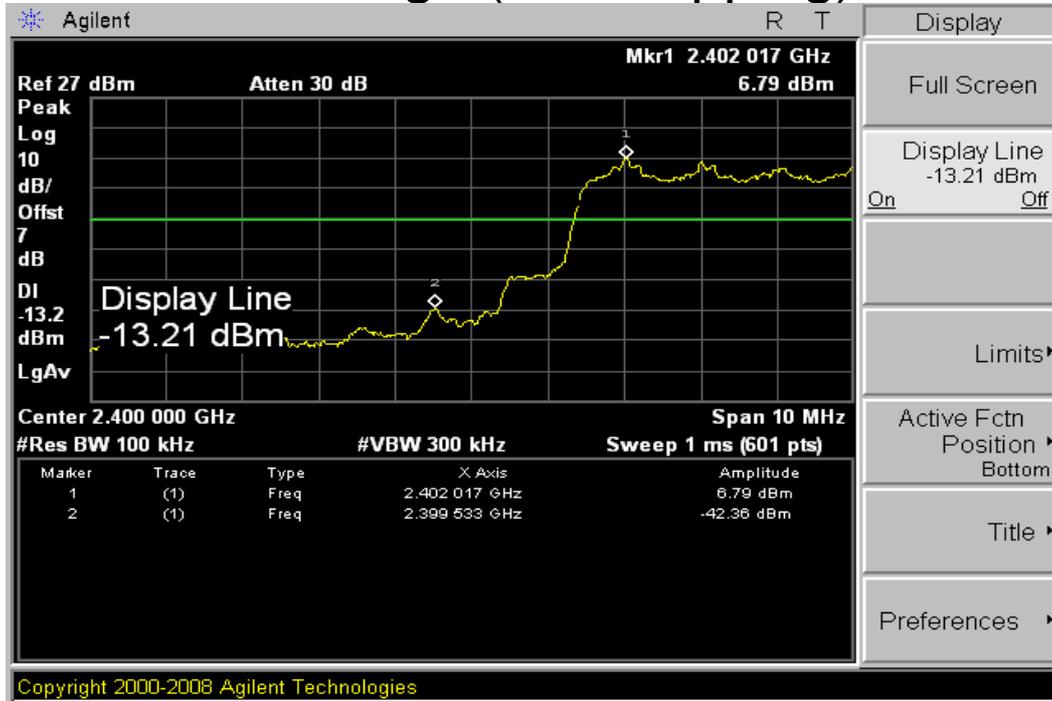
Modulation: $\pi/4$ -DQPSK

Low edge (Channel 0, no hopping)



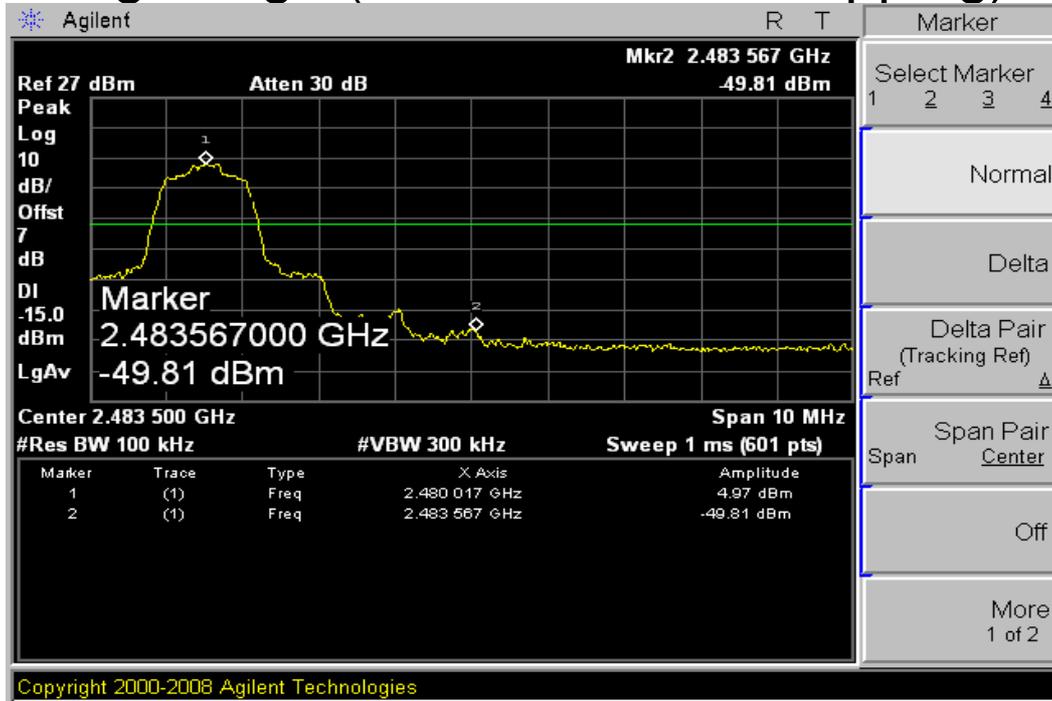


Low edge (with hopping)



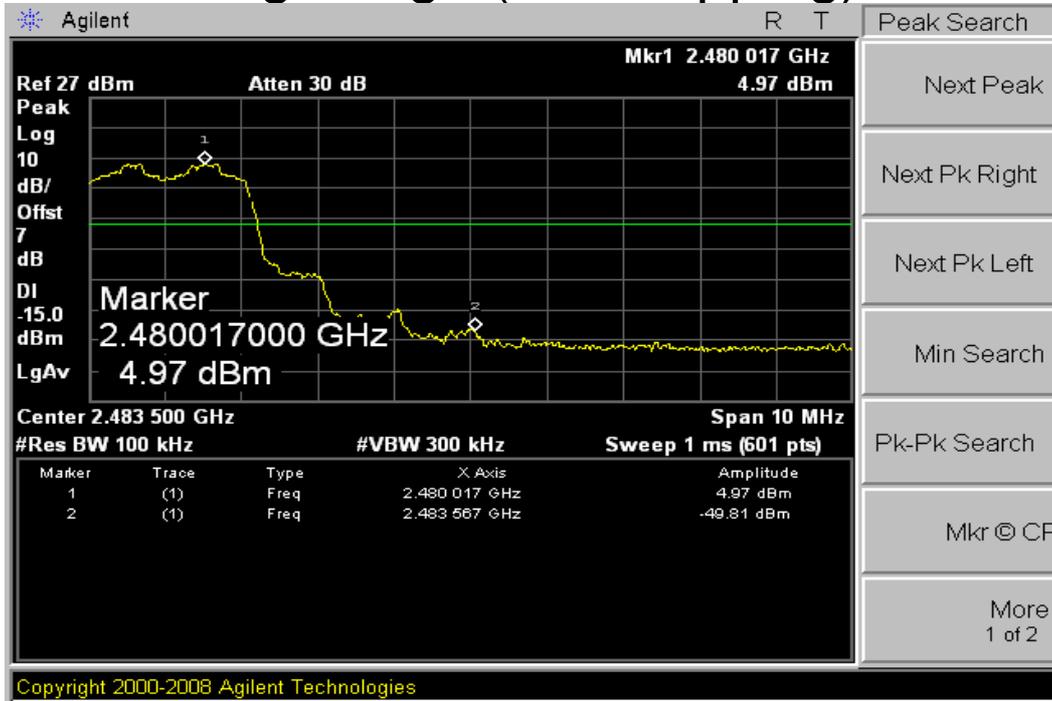


High edge (Channel 78, no hopping)



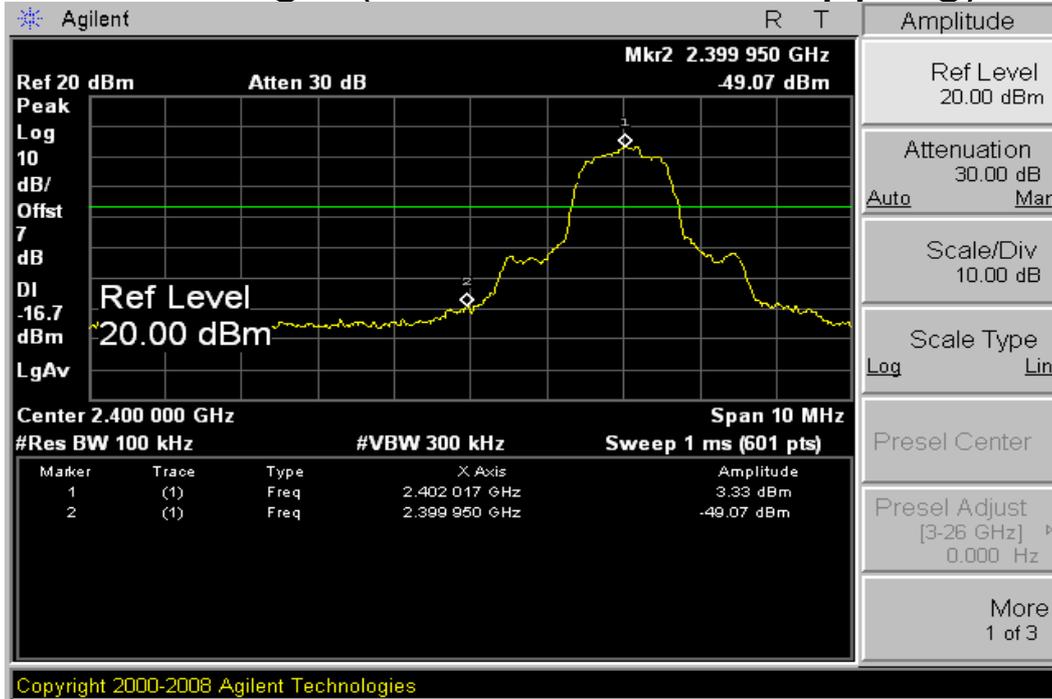


High edge (with hopping)



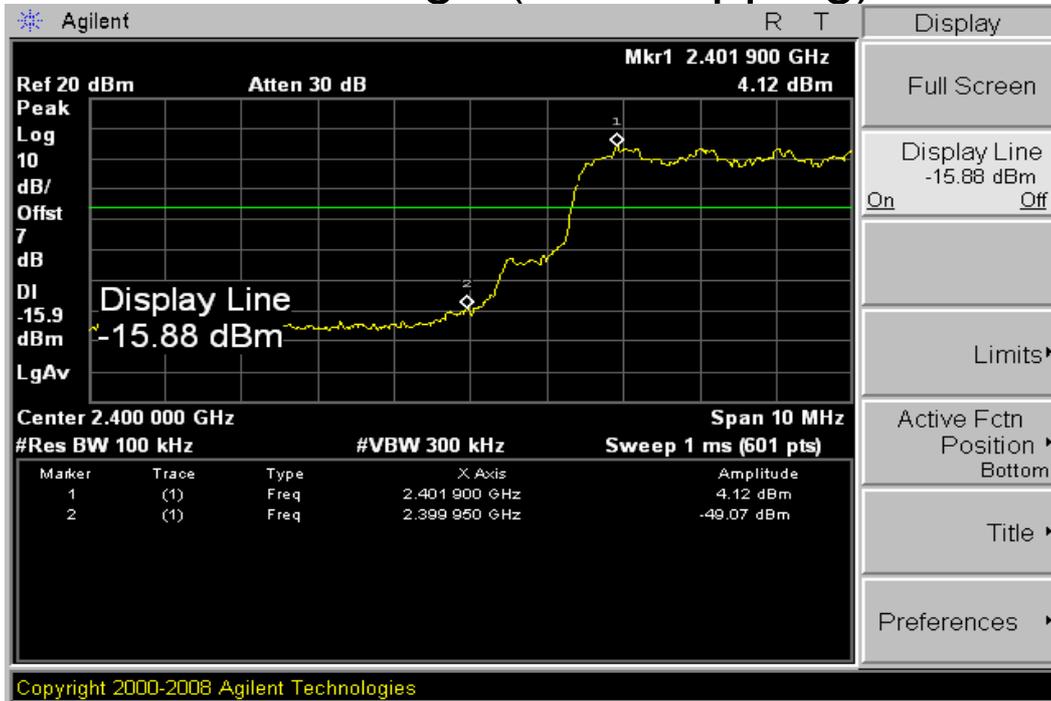


Modulation: 8DPSK Low edge (Channel 0, no hopping)



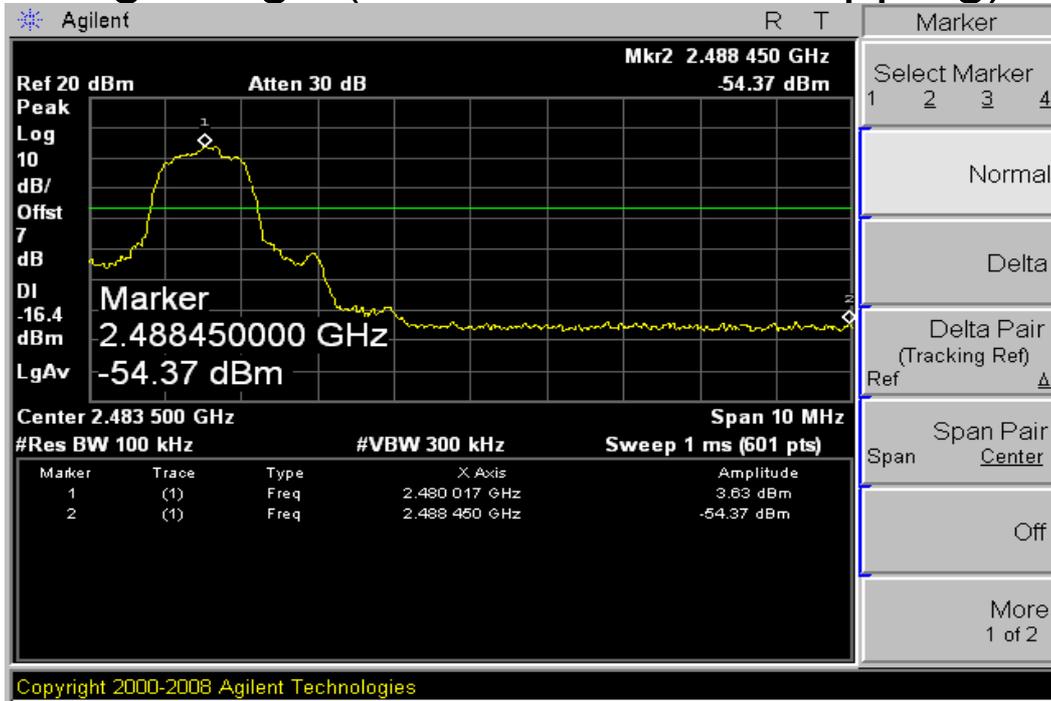


Low edge (with hopping)



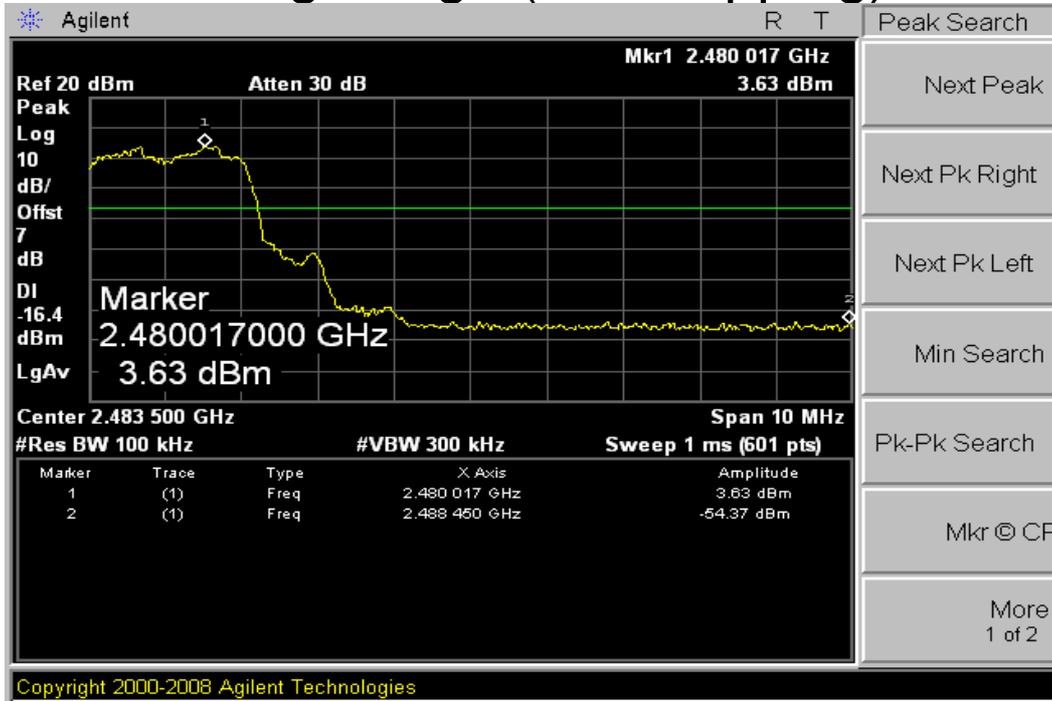


High edge (Channel 78, no hopping)





High edge (with hopping)





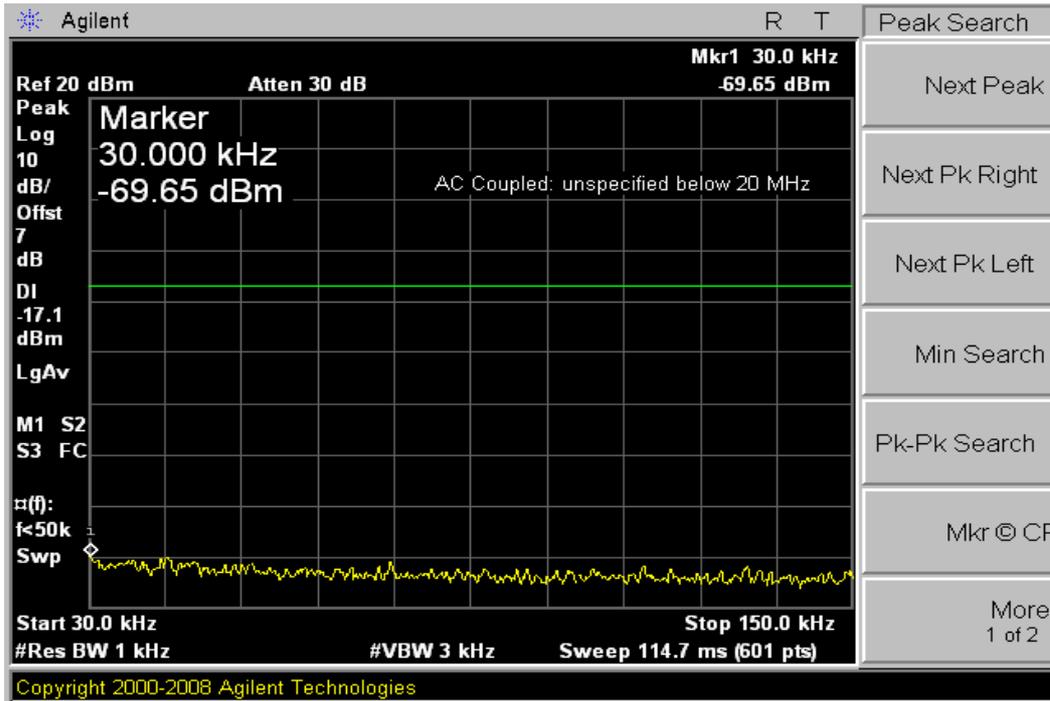
Appendix G

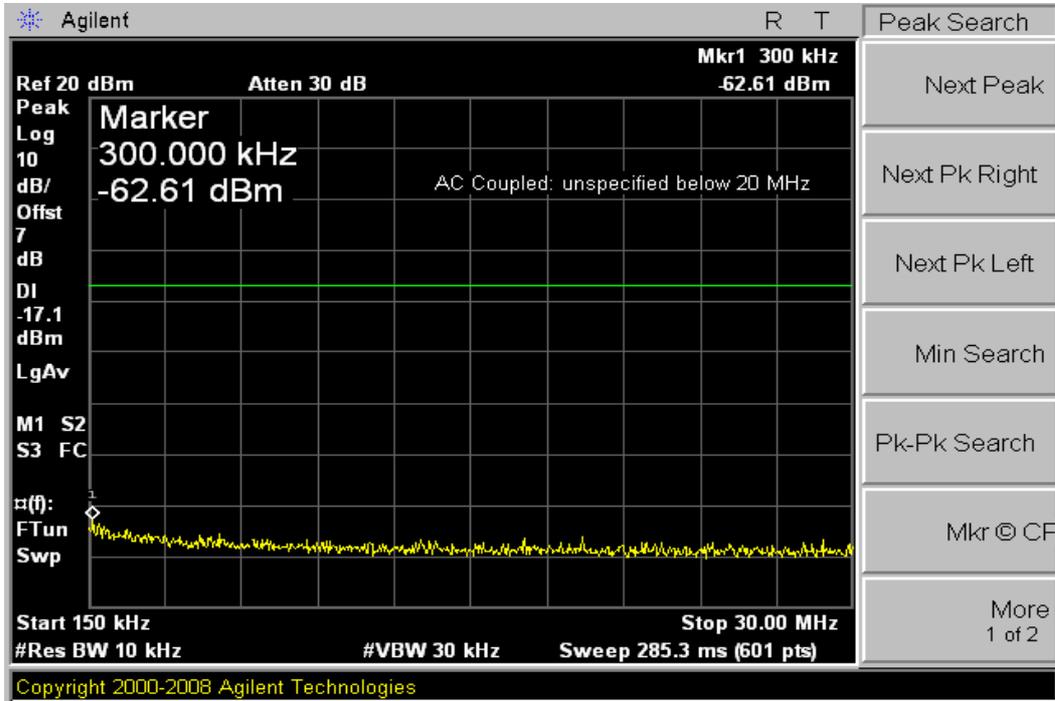
Conducted RF spurious

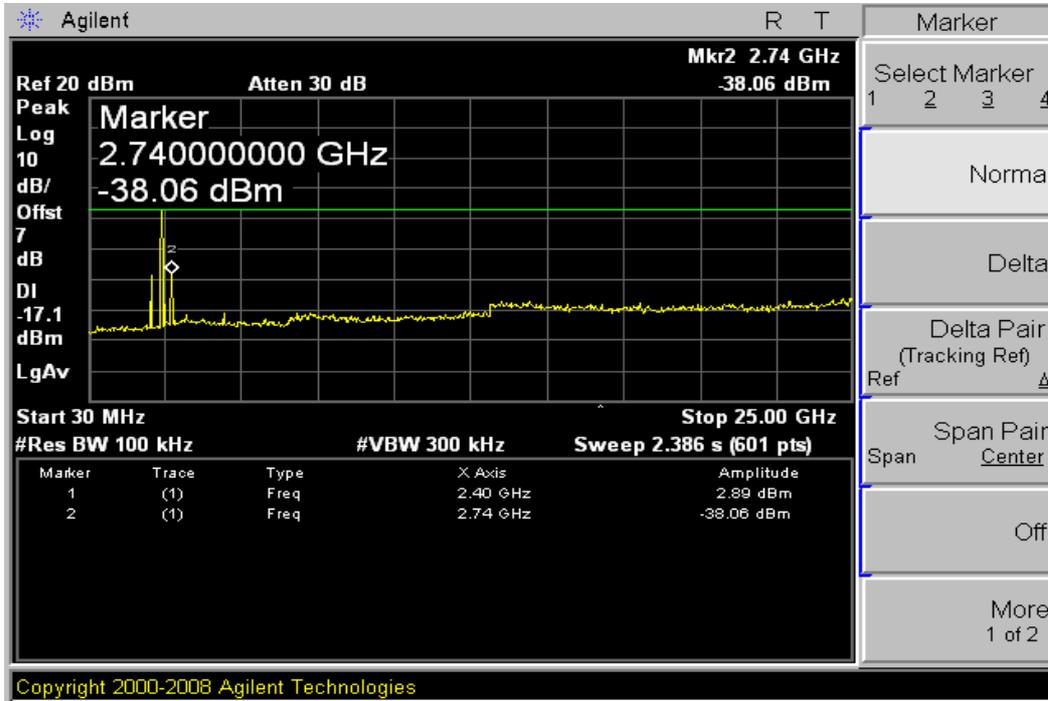
According to FCC Part 15.247 (d)



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

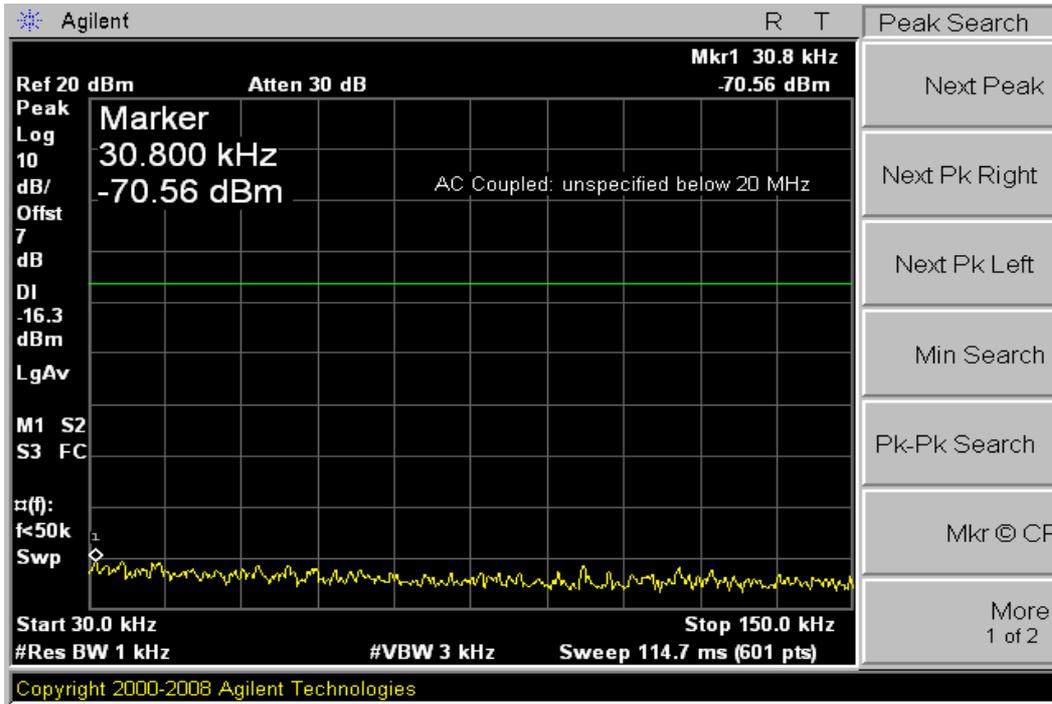


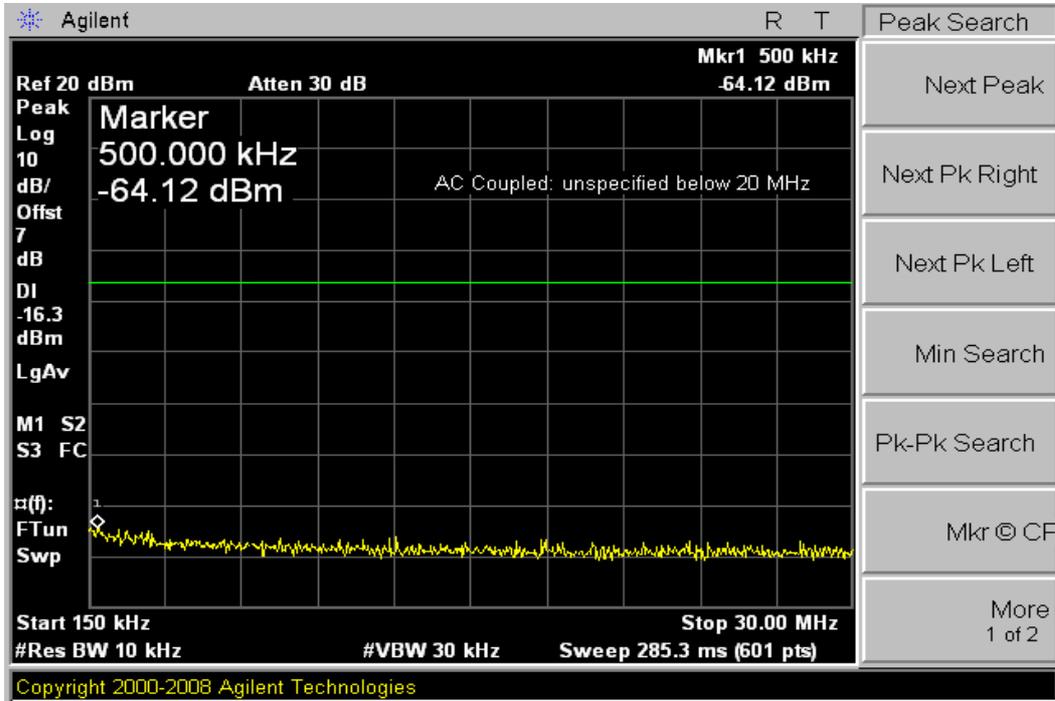


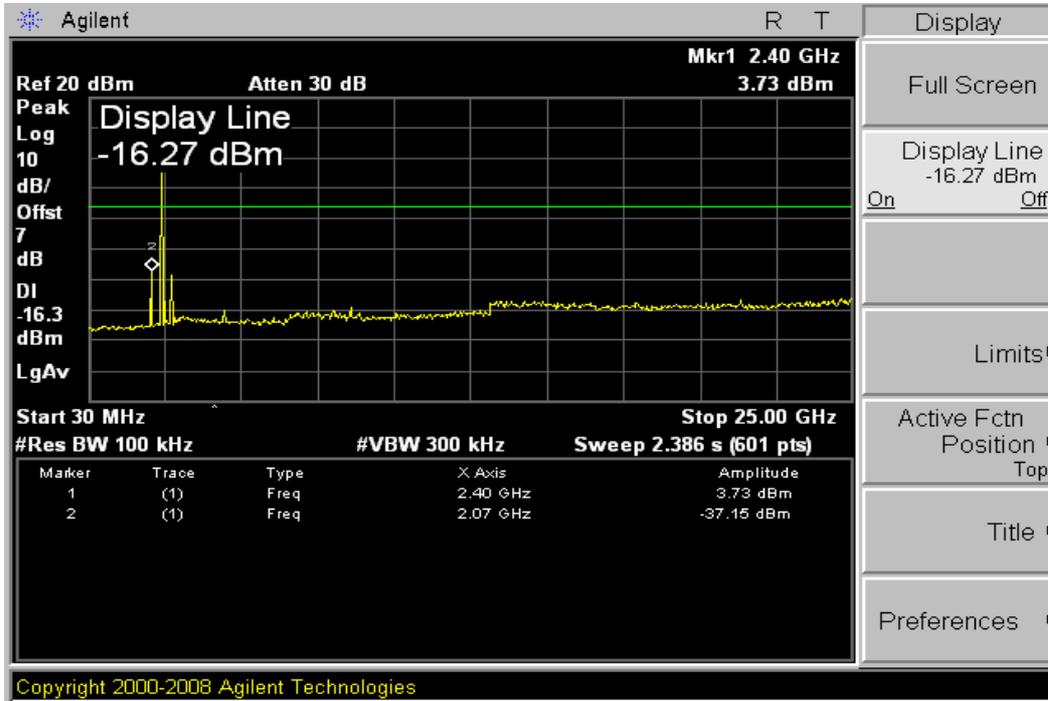




Channel 40

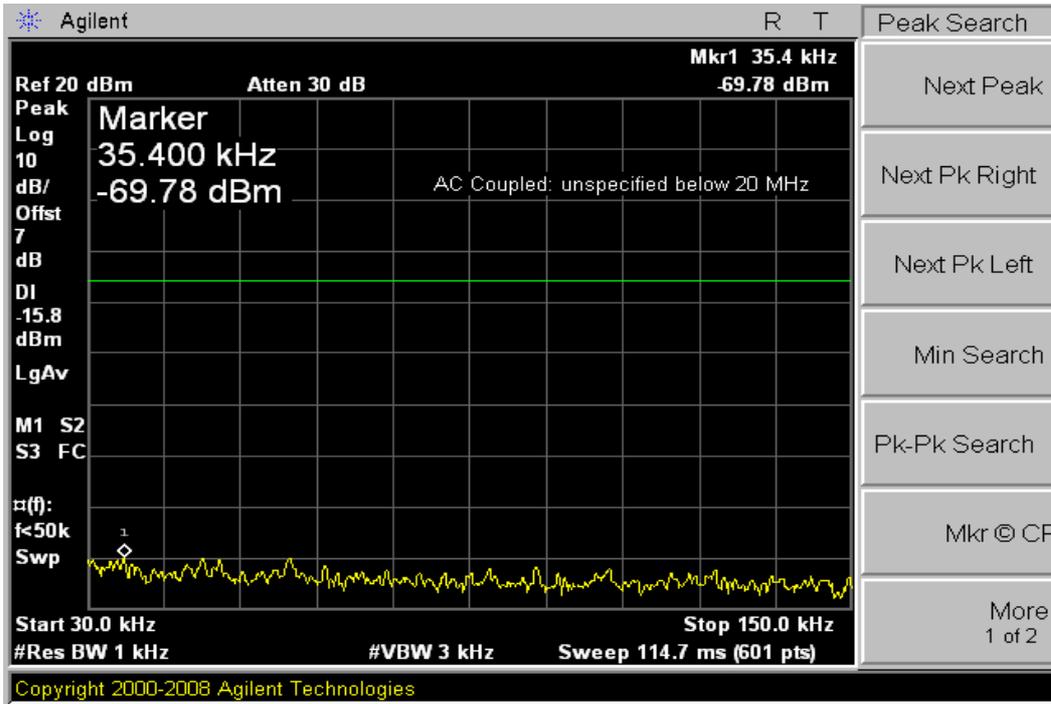


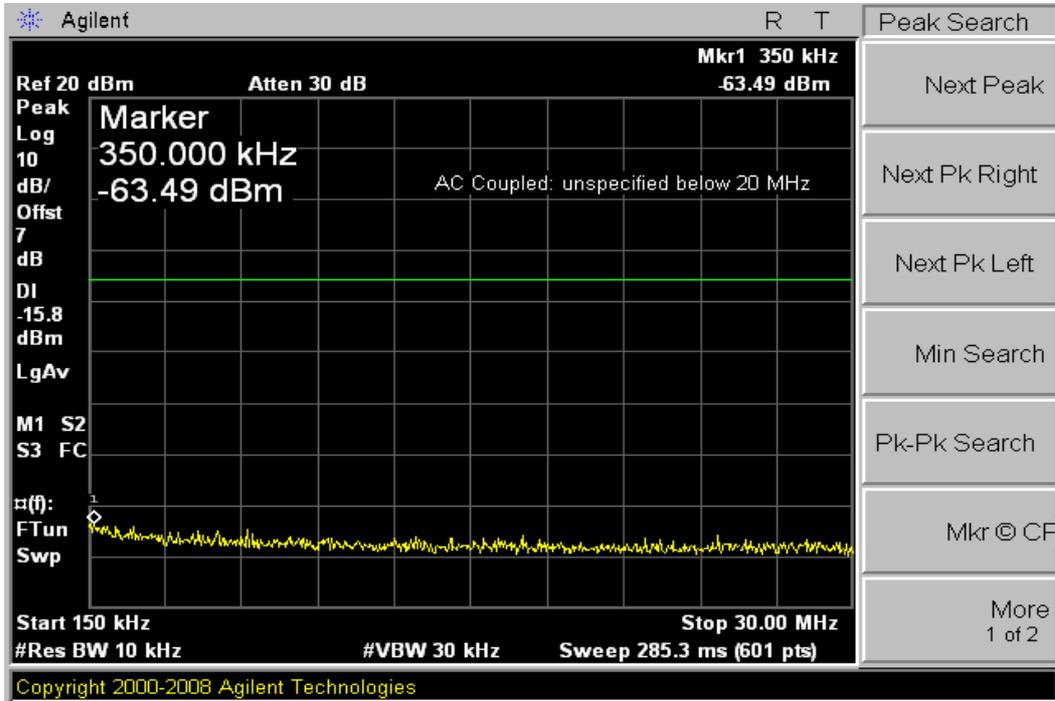


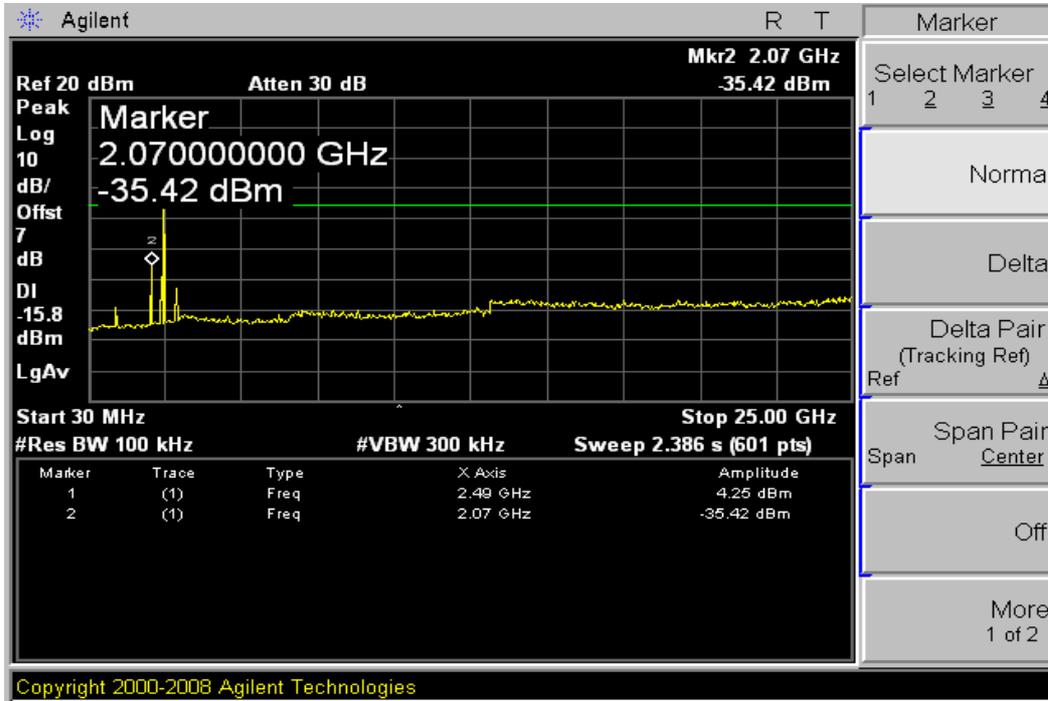




Channel 78

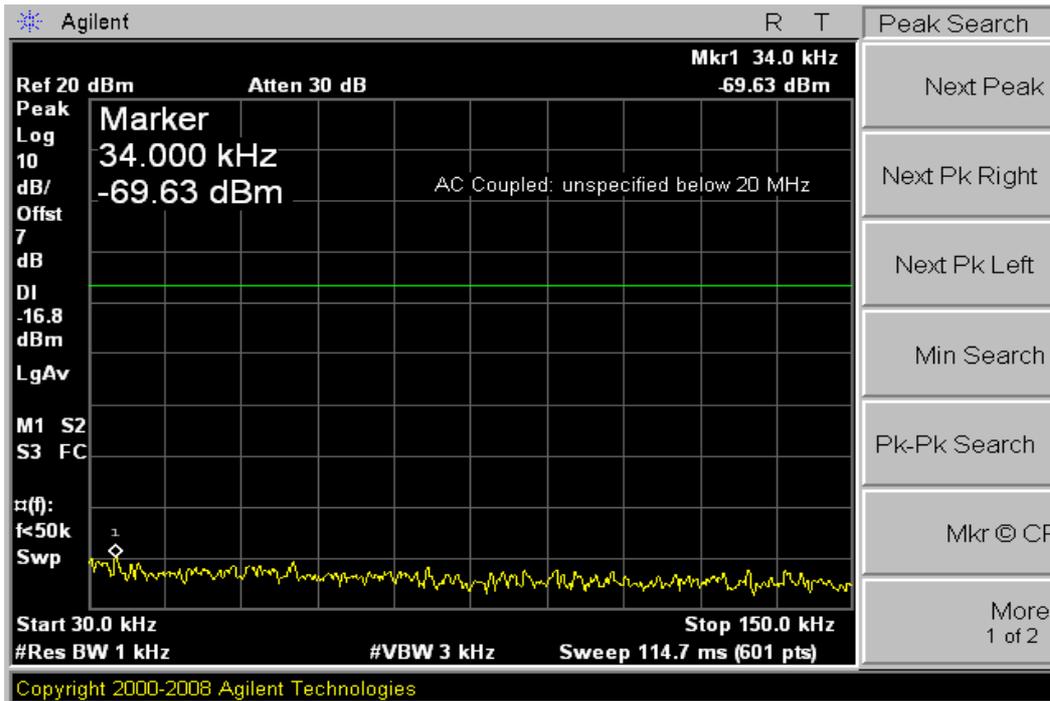


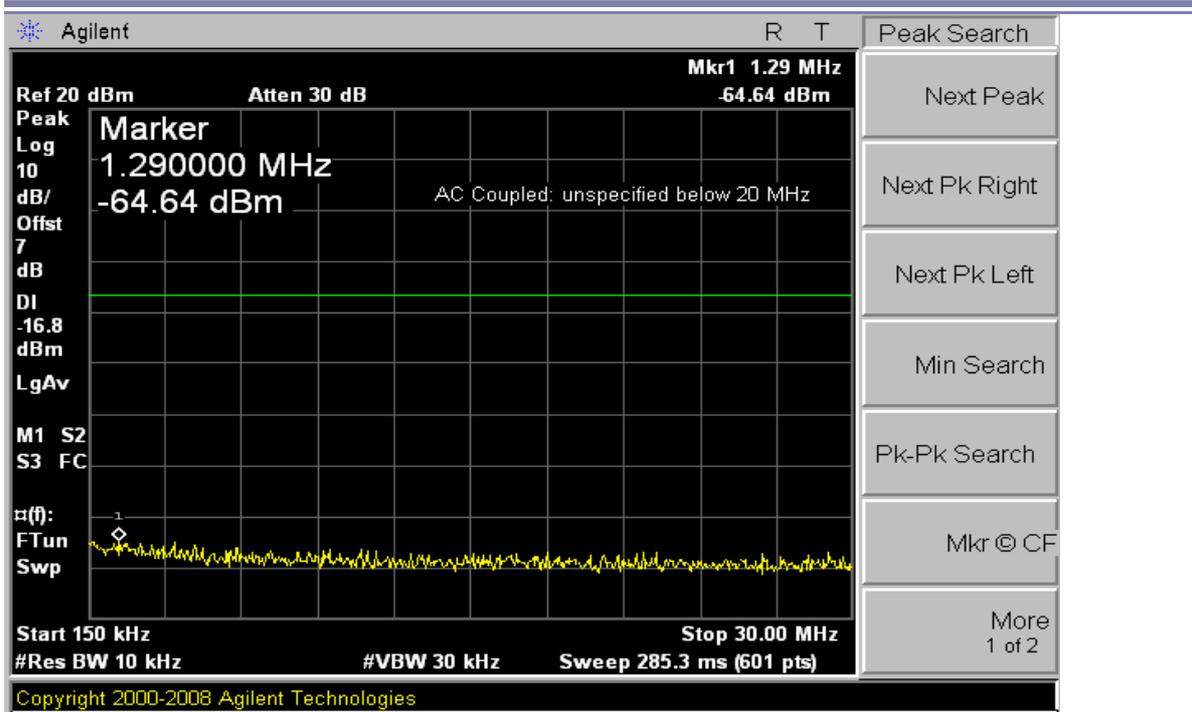


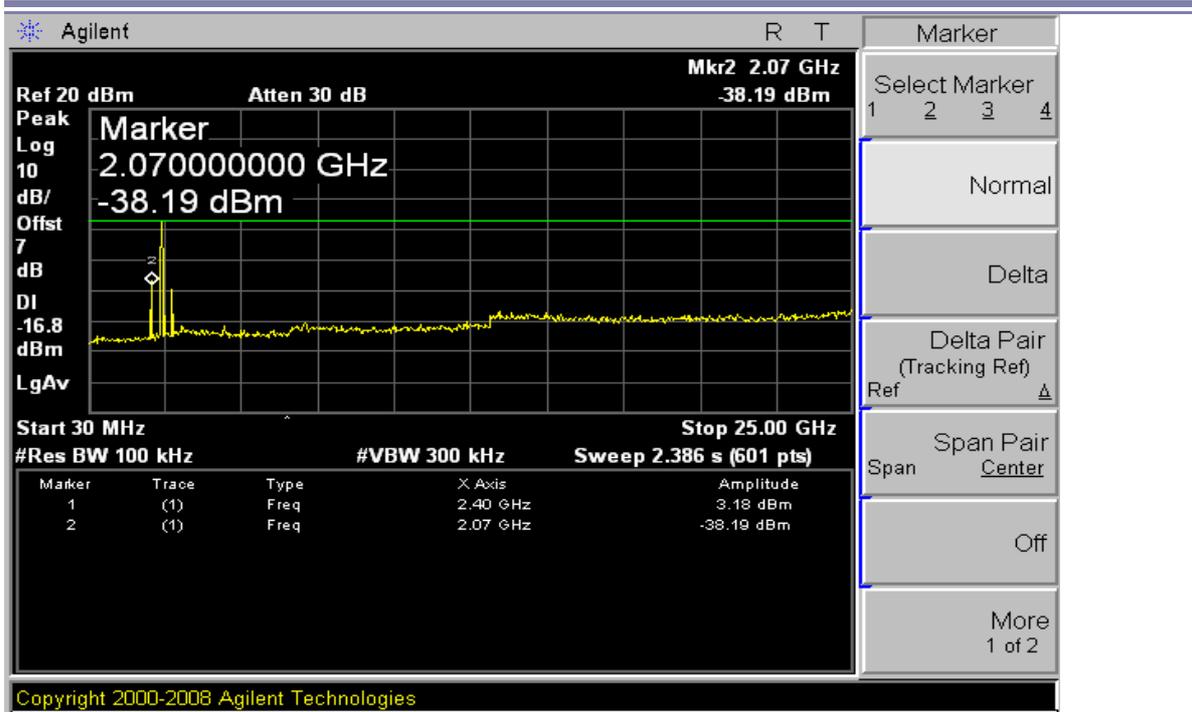




(Modulation: 8DPSK) Channel 0

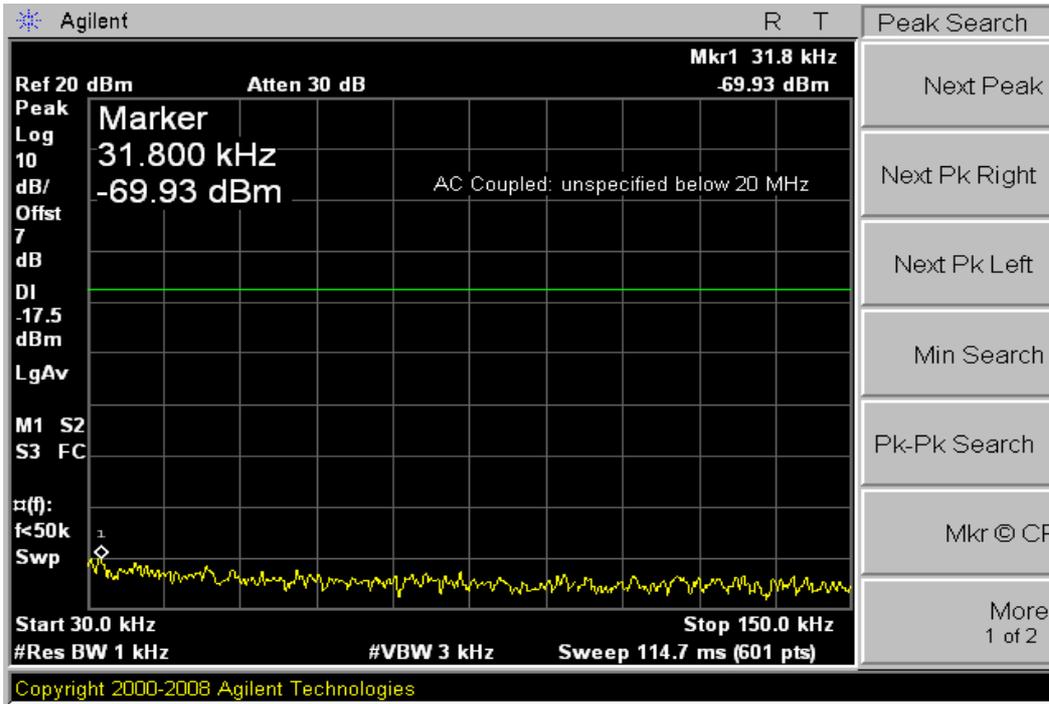


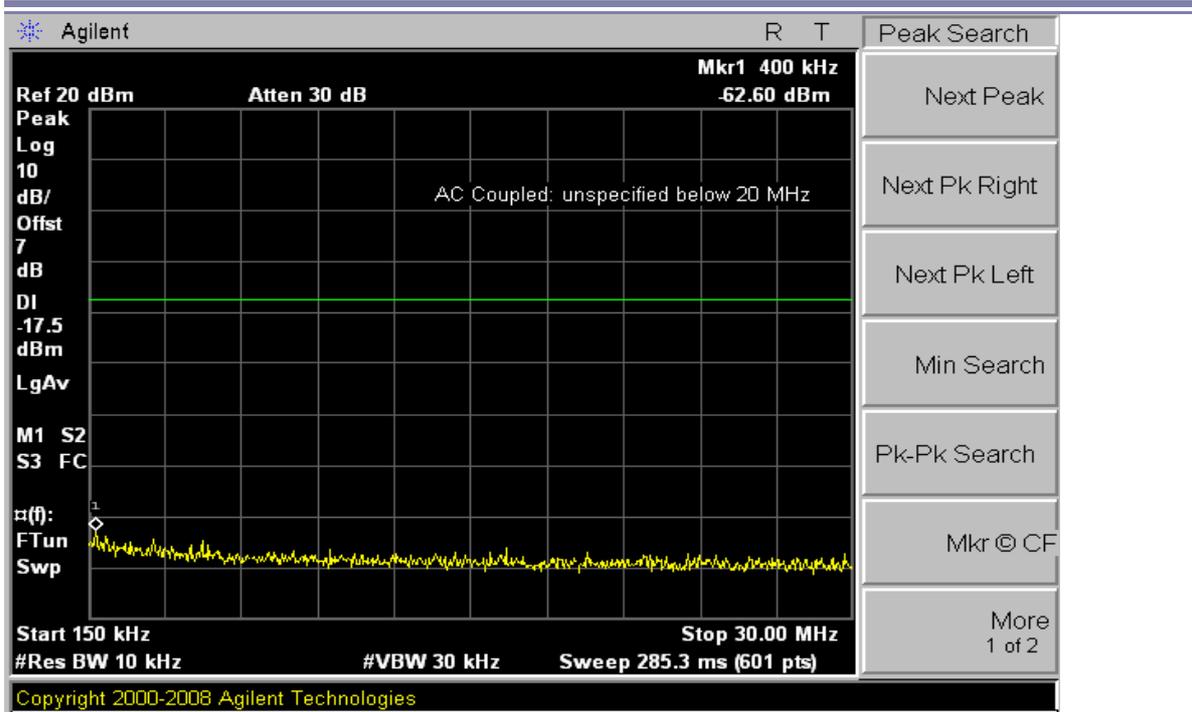


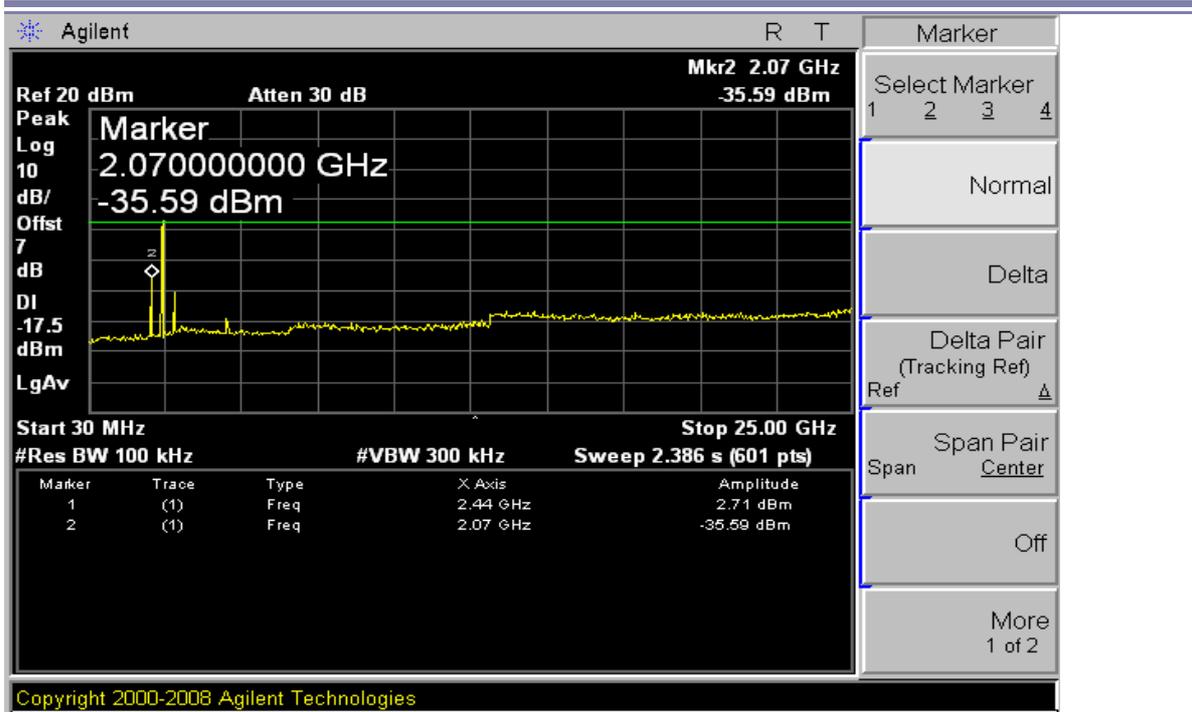




Channel 40

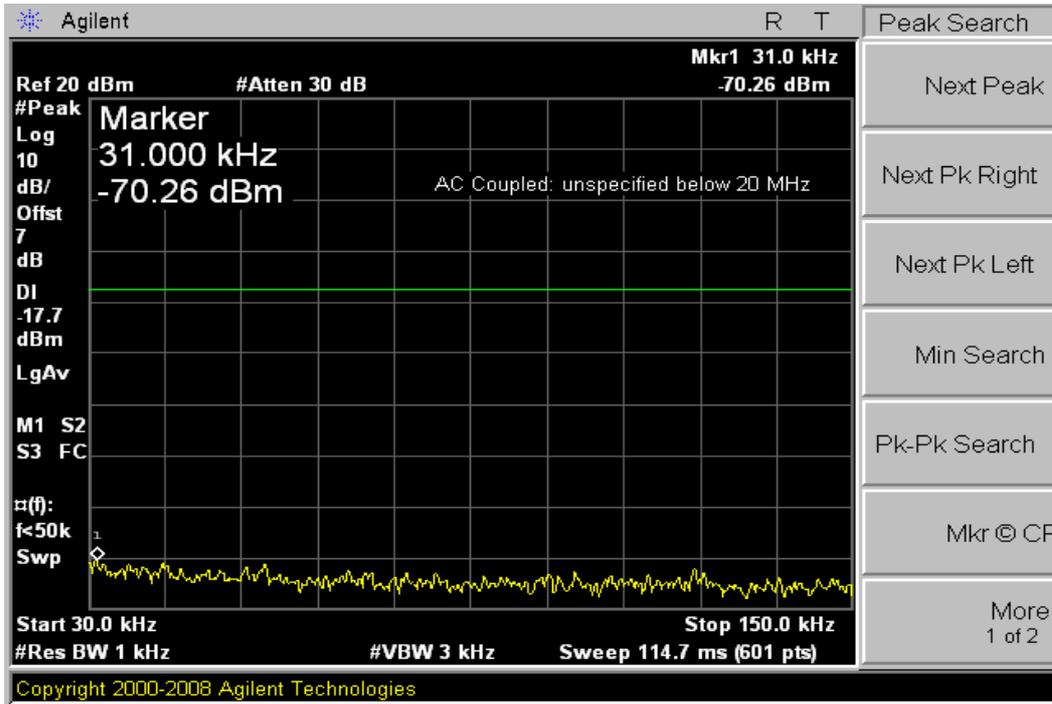


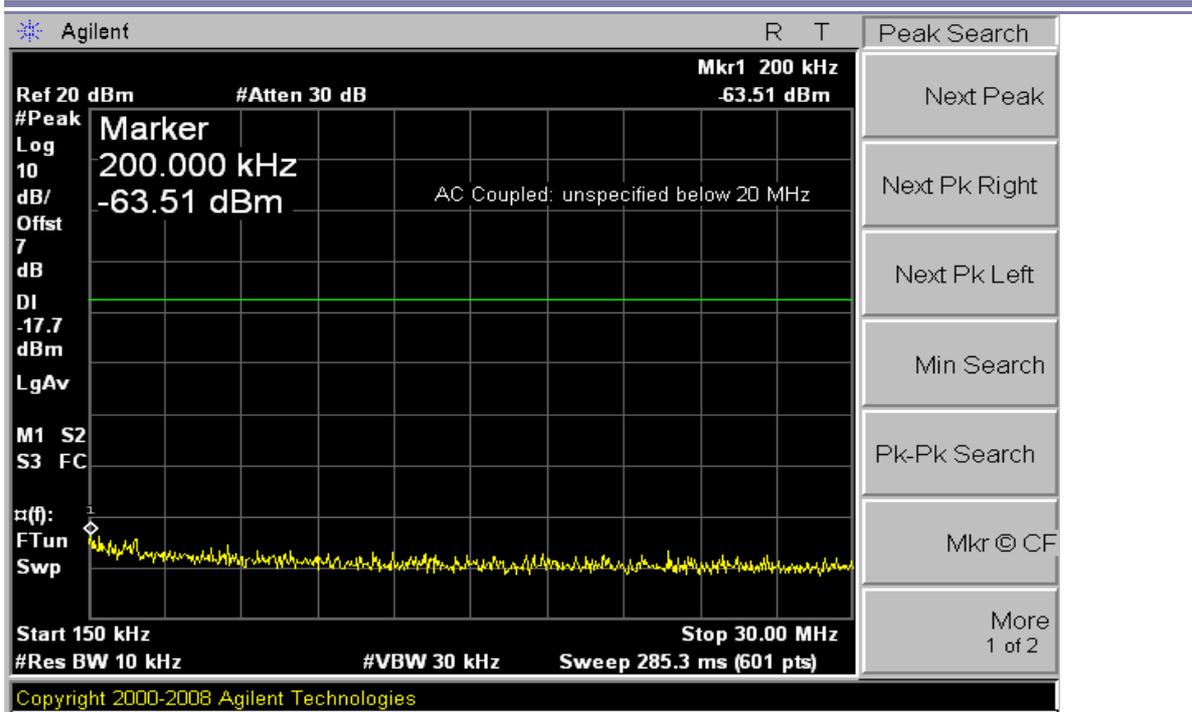


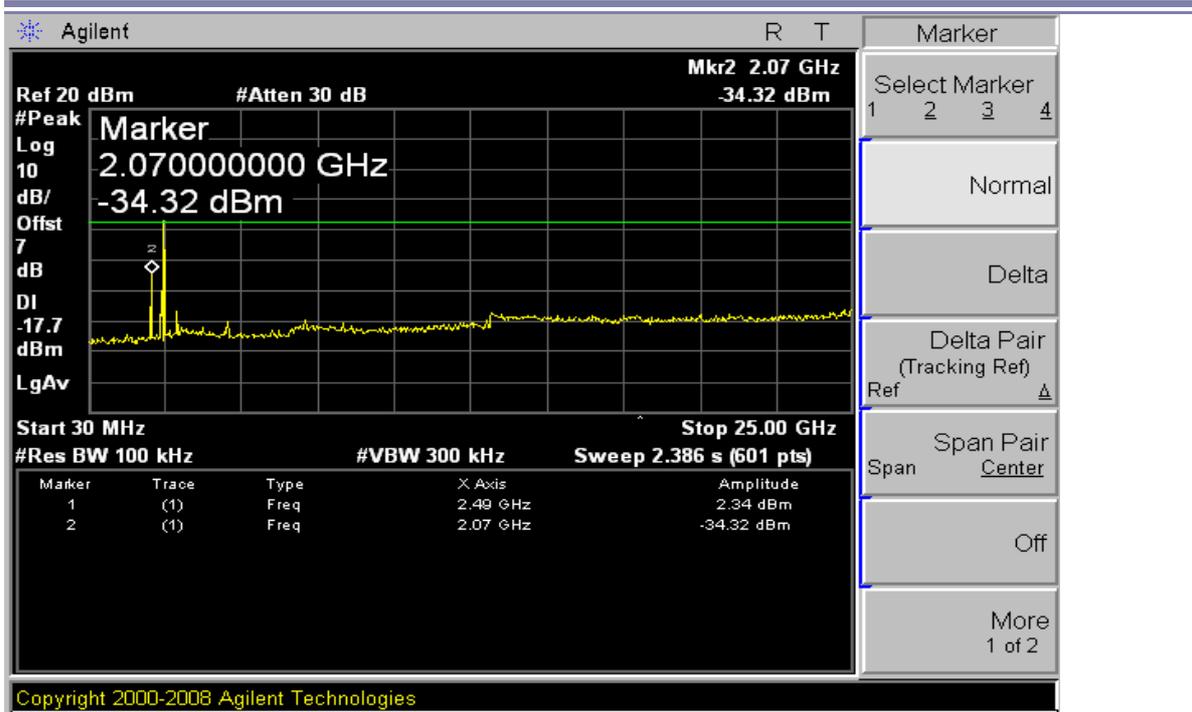




Channel 78









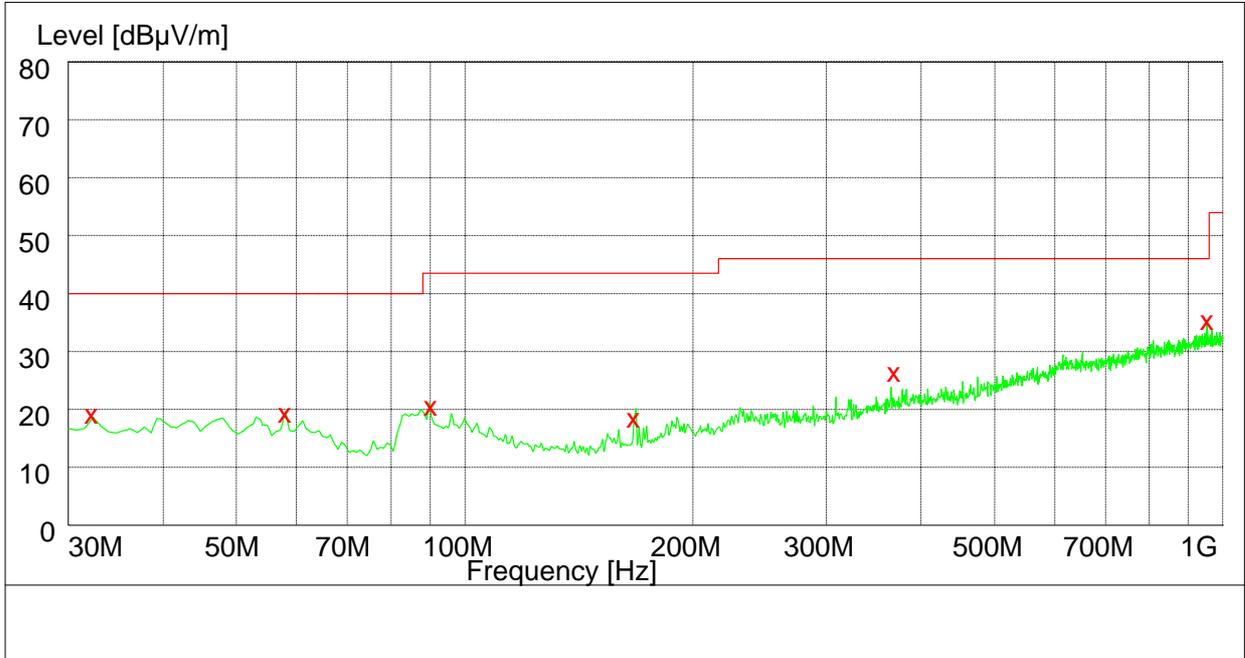
Appendix H

Radiated spurious emission

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



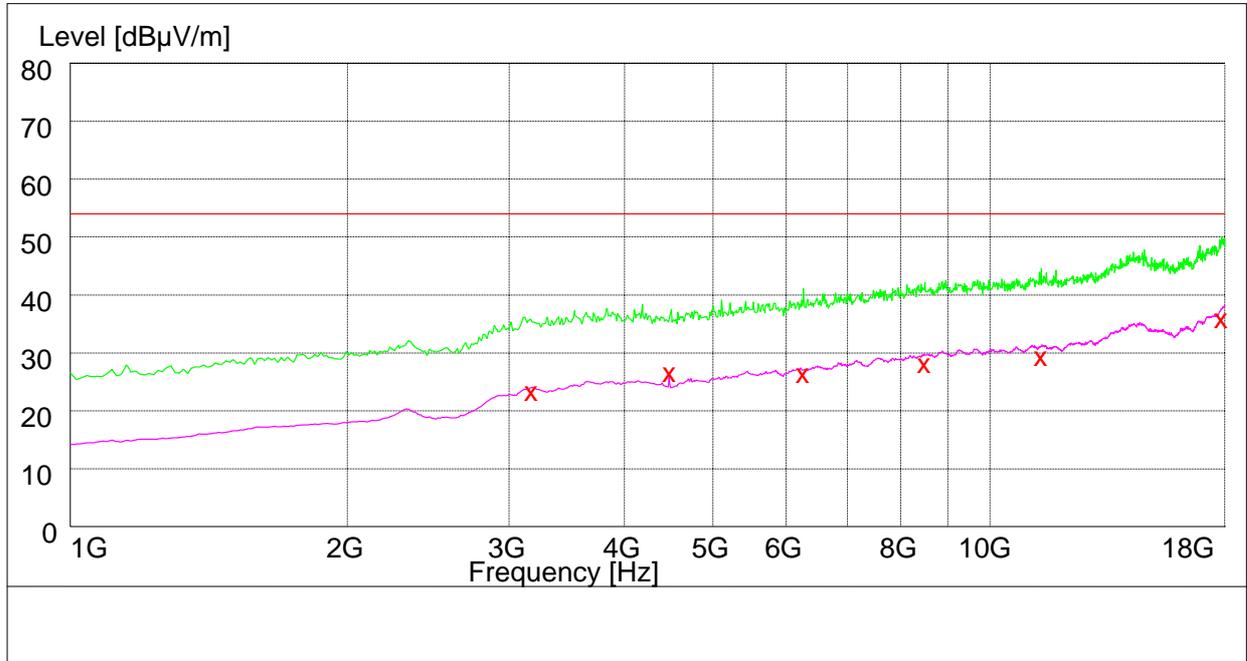
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
32.260000	18.90	11.7	40.0	21.1	176.0	80.00	VERTICAL
58.400000	19.30	12.5	40.0	20.7	257.0	55.00	VERTICAL
89.920000	20.20	11.8	43.5	23.3	115.0	258.00	HORIZONTAL
167.340000	17.70	9.9	43.5	25.8	233.0	291.00	HORIZONTAL
365.500000	26.30	17.4	46.0	19.7	175.0	55.00	VERTICAL
955.920000	35.30	26.7	46.0	10.7	223.0	96.00	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
3140.000000	23.50	-8.2	54.0	30.5	178.0	320.00	HORIZONTAL
4508.000000	27.60	-5.7	54.0	26.4	116.0	220.00	VERTICAL
6275.000000	26.90	-1.3	54.0	27.1	165.0	116.00	VERTICAL
8496.500000	29.30	3.0	54.0	24.7	148.0	263.00	HORIZONTAL
11382.000000	29.80	7.1	54.0	24.2	199.0	12.00	VERTICAL
17894.000000	37.30	16.6	54.0	16.7	180.0	278.00	HORIZONTAL

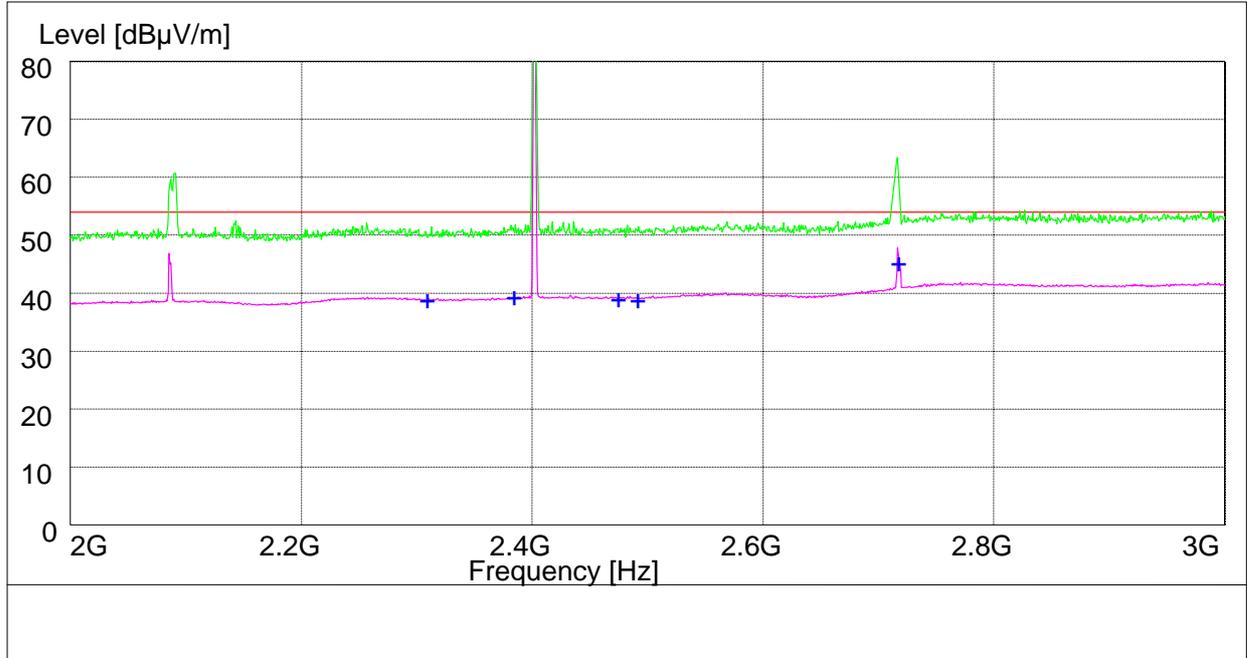


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz

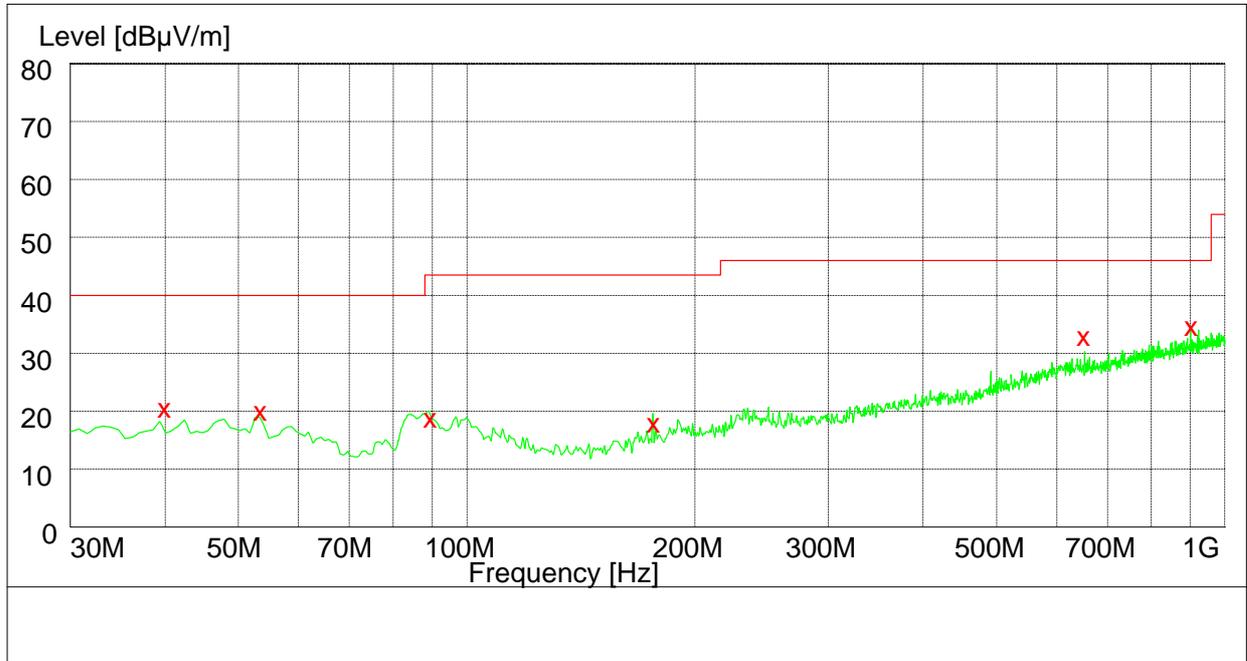


Note: The highest peak exceeds the limit line is carrier frequency.
The bands from 2GHz to 2.2GHz is out of the restricted bands.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	39.20	33.3	54.0	14.8	121.0	328.00	ORIZONTAL
2390.000000	39.40	33.5	54.0	14.6	135.0	352.00	VERTICAL
2483.500000	39.50	33.7	54.0	14.5	170.0	1.00	VERTICAL
2500.000000	39.60	33.8	54.0	14.4	119.0	315.00	VERTICAL
2717.716000	46.50	34.8	54.0	7.5	151.0	271.00	VERTICAL



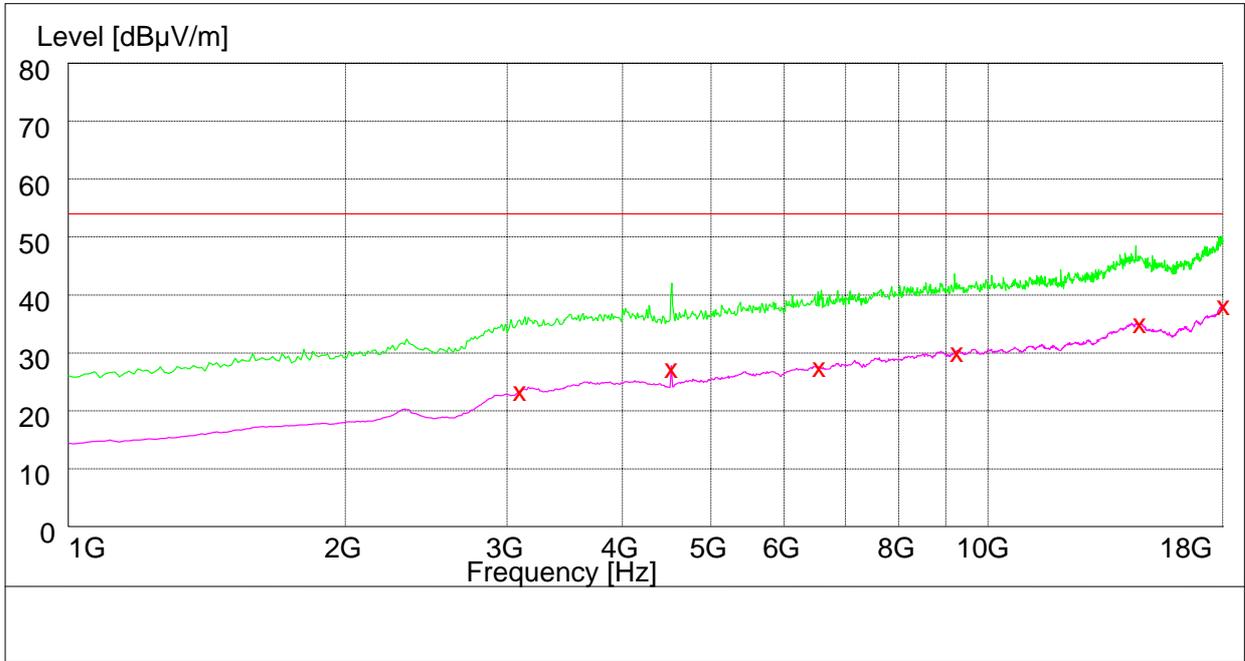
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
40.020000	20.30	13.1	40.0	19.7	287.0	214.00	HORIZONTAL
53.520000	20.10	12.7	40.0	19.9	187.0	249.00	VERTICAL
89.700000	18.60	11.7	43.5	24.9	176.0	230.00	HORIZONTAL
176.500000	17.90	10.5	43.5	25.6	234.0	105.00	HORIZONTAL
656.000000	32.80	24.0	46.0	13.2	103.0	55.00	HORIZONTAL
900.560000	34.20	26.1	46.0	11.8	227.0	342.00	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
3110.000000	23.30	-8.7	54.0	30.7	104.0	284.00	HORIZONTAL
4529.500000	27.00	-5.6	54.0	27.0	196.0	345.00	HORIZONTAL
6548.000000	27.80	-1.0	54.0	26.2	198.0	199.00	VERTICAL
9225.000000	30.00	4.6	54.0	24.0	190.0	193.00	VERTICAL
14643.500000	34.80	12.0	54.0	19.2	127.0	333.00	VERTICAL
17994.000000	37.80	17.6	54.0	16.2	110.0	8.00	VERTICAL

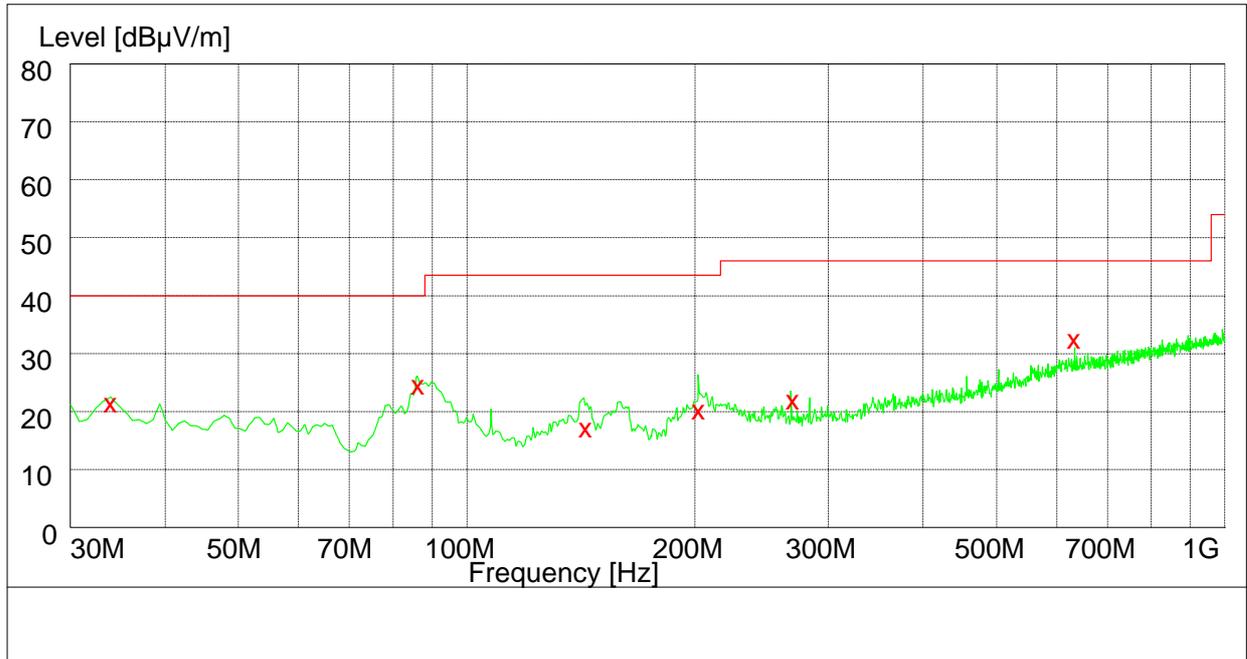


18GHz to 26GHz

Note: No peak found in pre- test.



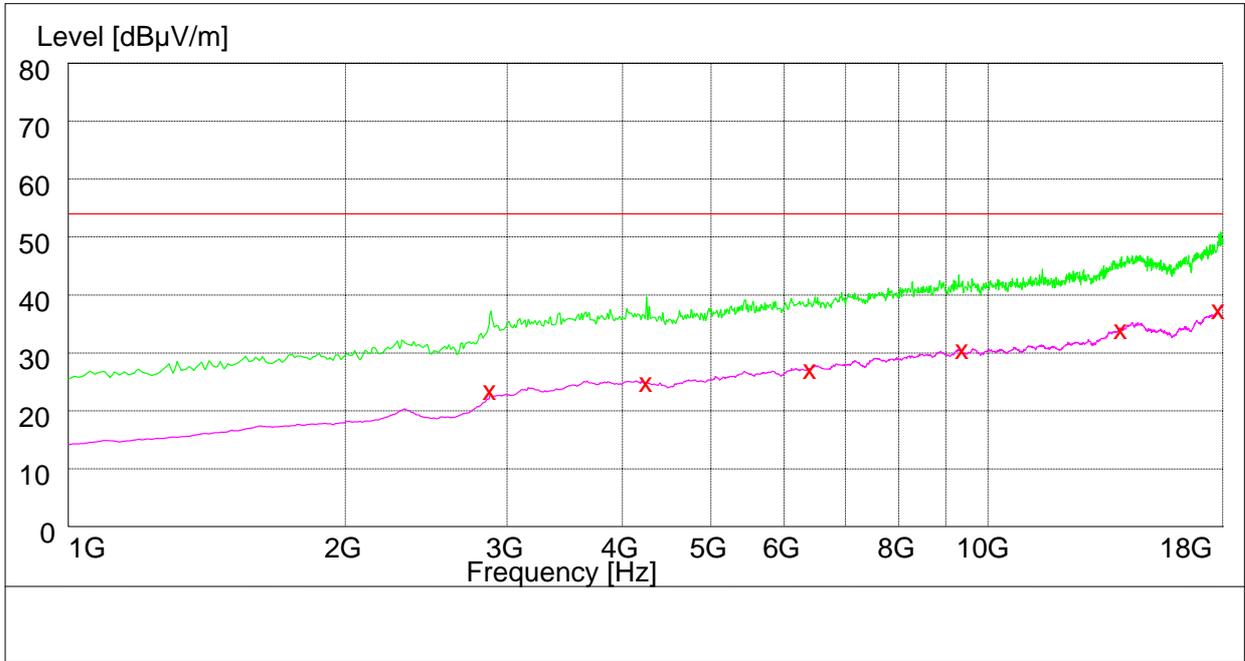
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.7200000	21.20	11.7	40.0	18.8	114.0	339.00	HORIZONTAL
86.340000	23.90	10.6	40.0	16.1	221.0	28.00	HORIZONTAL
144.300000	17.20	8.7	43.5	26.3	170.0	118.00	VERTICAL
202.680000	20.20	12.2	43.5	23.3	245.0	126.00	VERTICAL
274.800000	21.90	14.8	46.0	24.1	181.0	109.00	VERTICAL
633.600000	32.30	22.8	46.0	13.7	241.0	164.00	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
2876.000000	23.50	-9.7	54.0	30.5	174.0	145.00	VERTICAL
4256.000000	24.50	-5.2	54.0	29.5	135.0	255.00	HORIZONTAL
6385.000000	27.10	-0.9	54.0	26.9	162.0	210.00	VERTICAL
9308.000000	30.20	4.6	54.0	23.8	131.0	221.00	VERTICAL
13888.000000	33.60	10.6	54.0	20.4	151.0	113.00	HORIZONTAL
17906.000000	37.20	16.7	54.0	16.8	161.0	8.00	VERTICAL

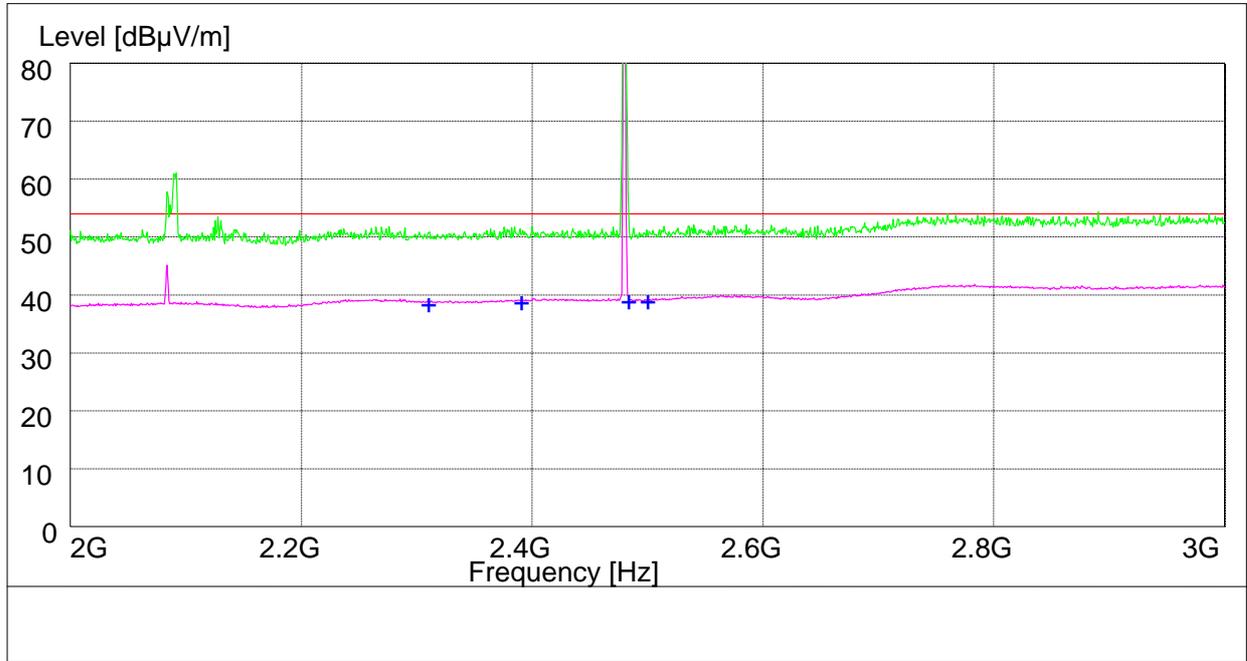


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



Note: The peak exceeds the limit line is carrier frequency.
The bands from 2GHz to 2.2GHz is out of the restricted bands.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.30	33.2	54.0	15.7	195.0	142.00	VERTICAL
2390.000000	38.60	33.5	54.0	15.4	159.0	244.00	VERTICAL
2483.500000	38.60	33.7	54.0	15.4	125.0	177.00	HORIZONTAL
2500.000000	38.70	33.7	54.0	15.3	181.0	0.00	VERTICAL



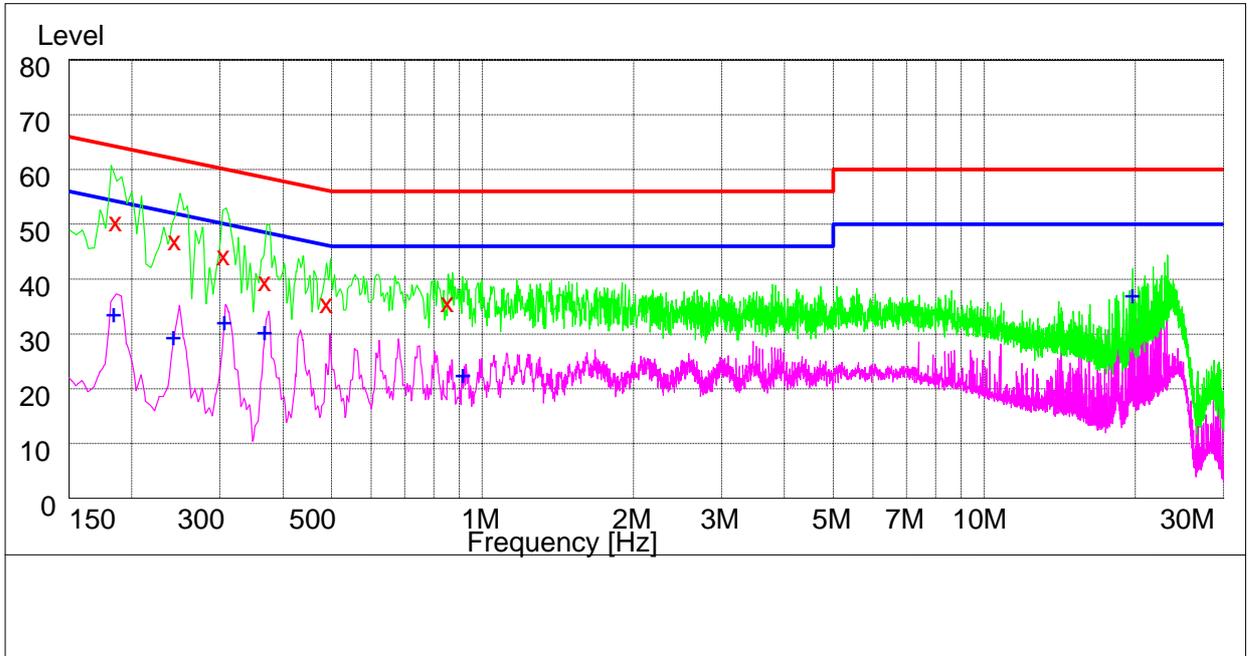
Appendix I

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
0.186000	50.40	10.1	64	13.6	N	FLO
0.244000	46.80	10.0	62	15.2	N	FLO
0.306000	44.10	10.0	60	15.9	N	FLO
0.370000	39.70	10.0	59	19.3	N	FLO
0.490000	35.50	10.1	56	20.5	N	FLO
0.854000	35.70	10.1	56	20.3	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.184000	34.00	10.1	54	20.0	N	FLO
0.242000	29.80	10.0	52	22.2	N	FLO
0.306000	32.50	10.0	50	17.5	N	FLO
0.368000	30.30	10.0	49	18.7	N	FLO
0.914000	22.40	10.1	46	23.6	N	FLO
19.720000	37.10	10.3	50	12.9	L1	FLO