



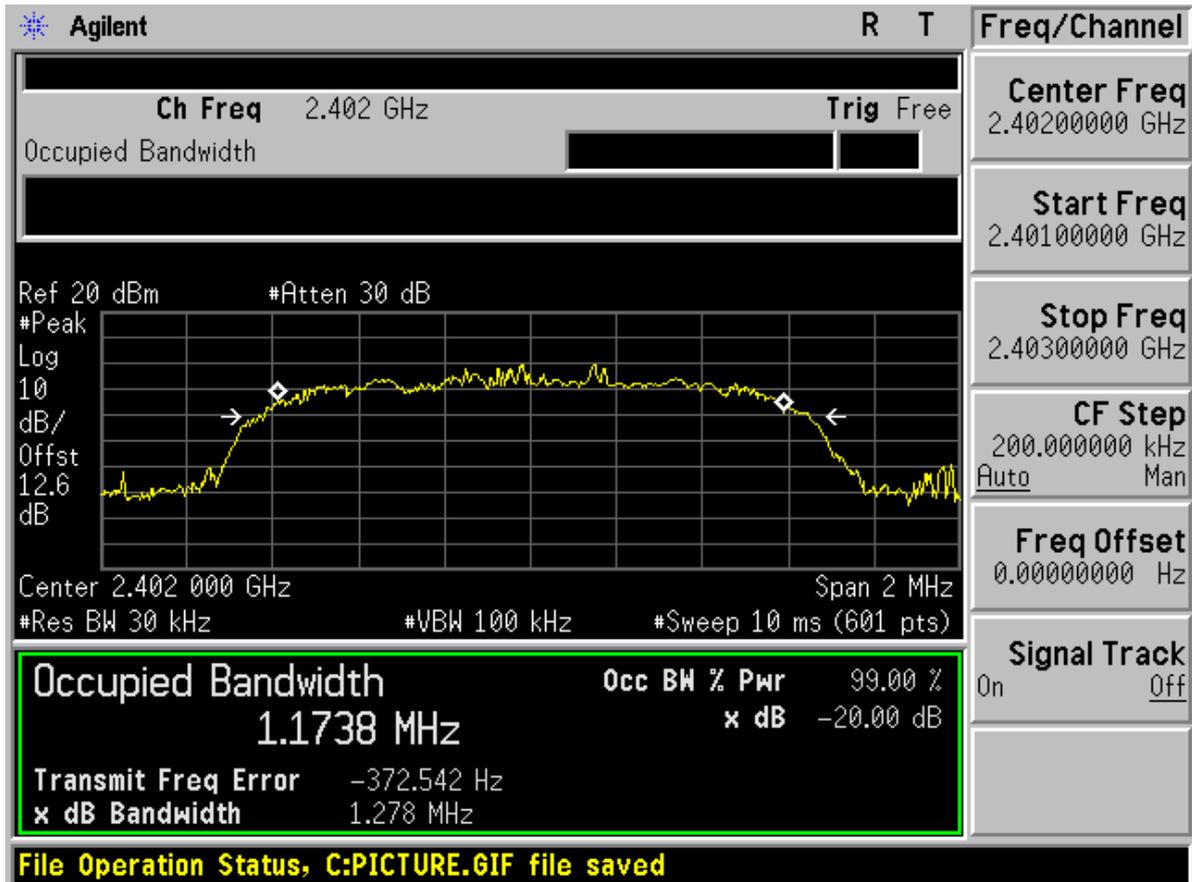
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

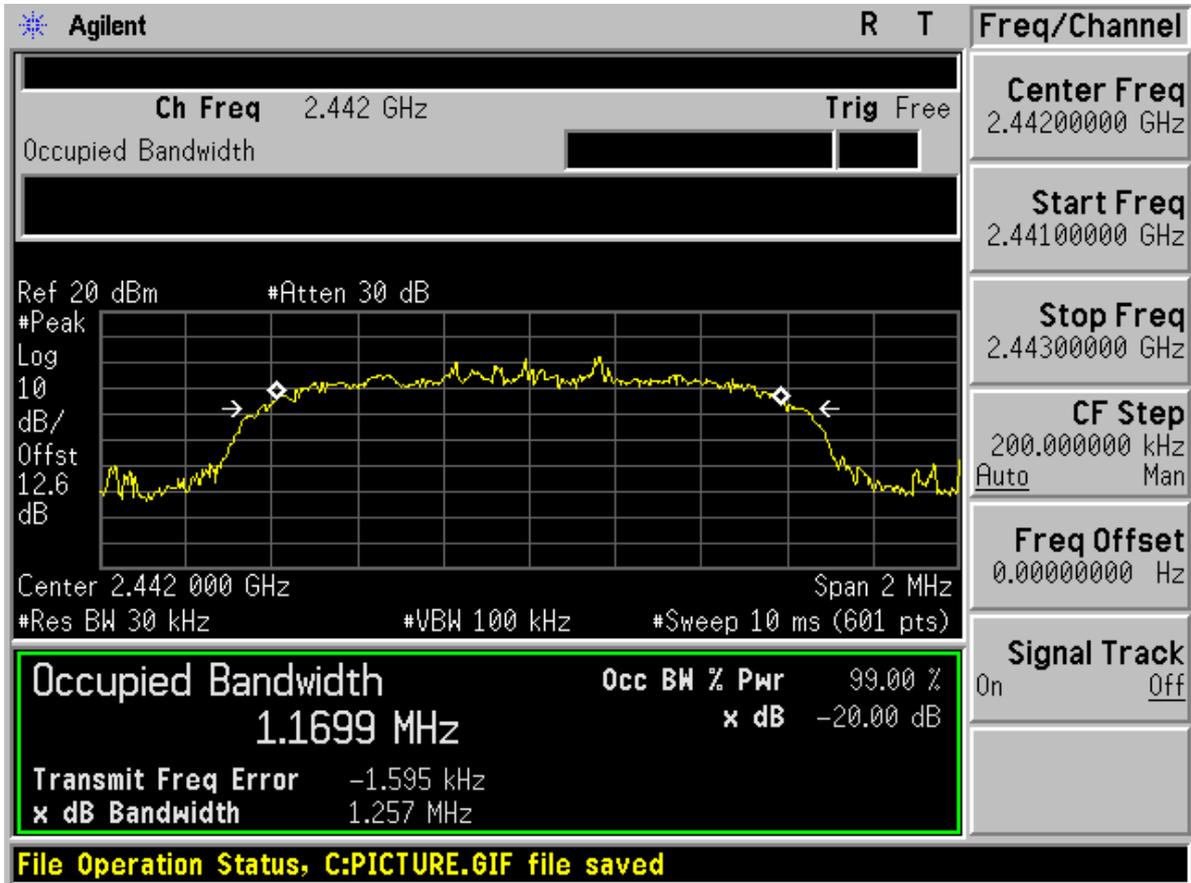


Modulation: $\pi/4$ -DQPSK Channel 0 (2402MHz)



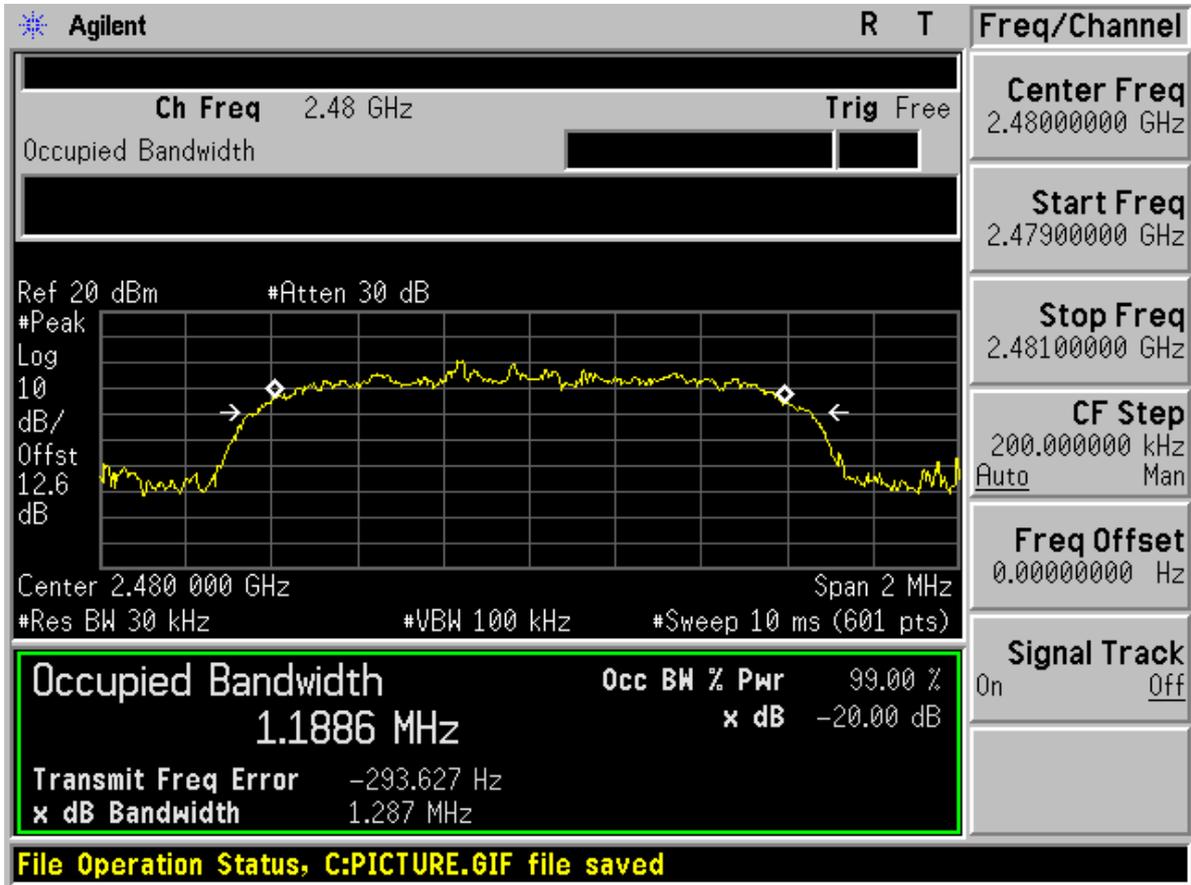


Channel 40 (2442MHz)



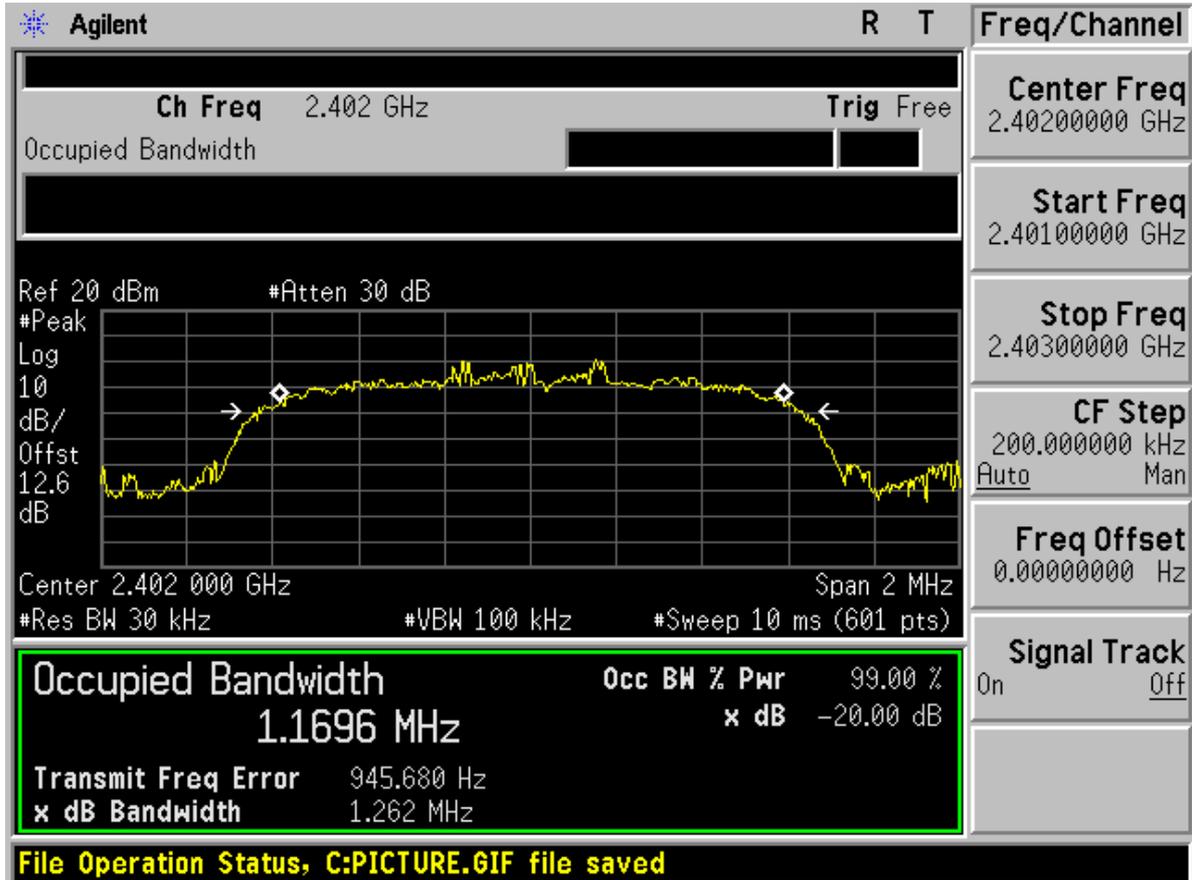


Channel 78 (2480MHz)



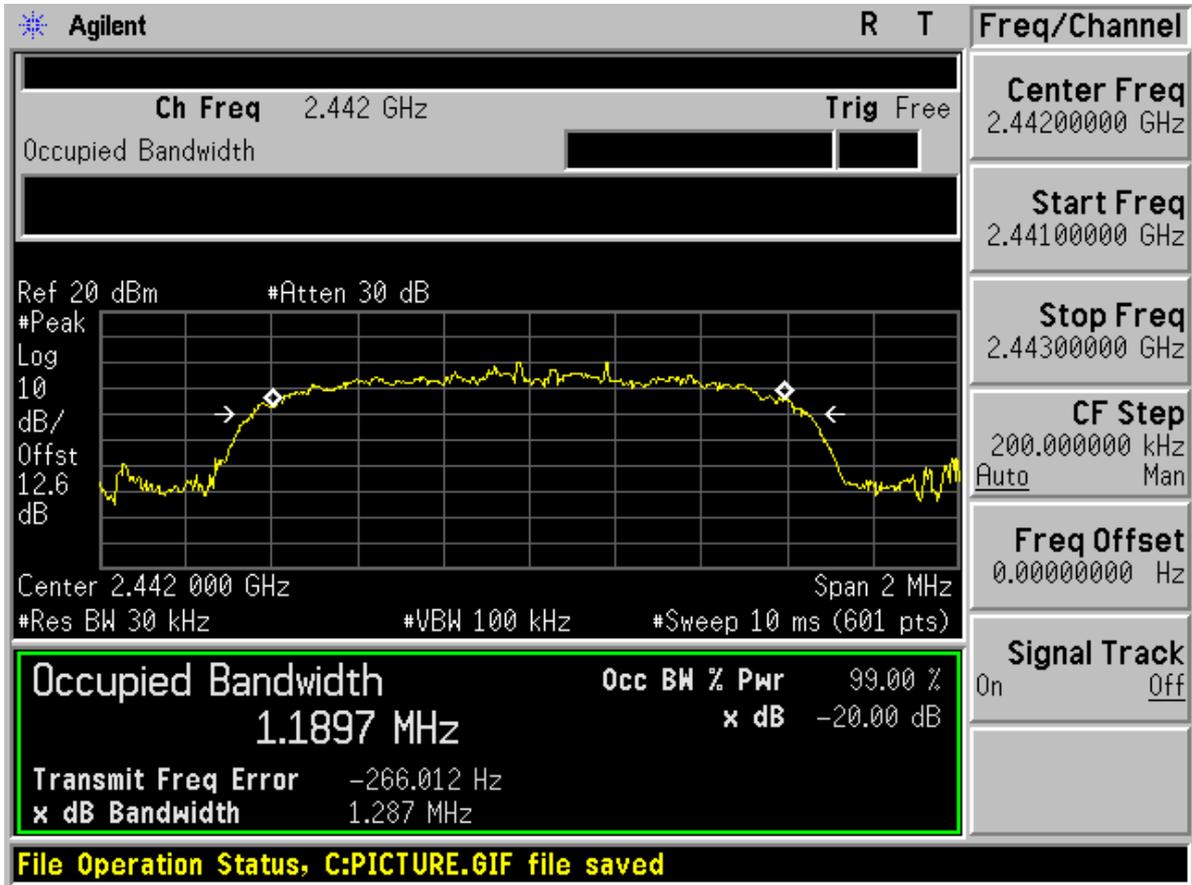


Modulation: 8DPSK Channel 0 (2402MHz)



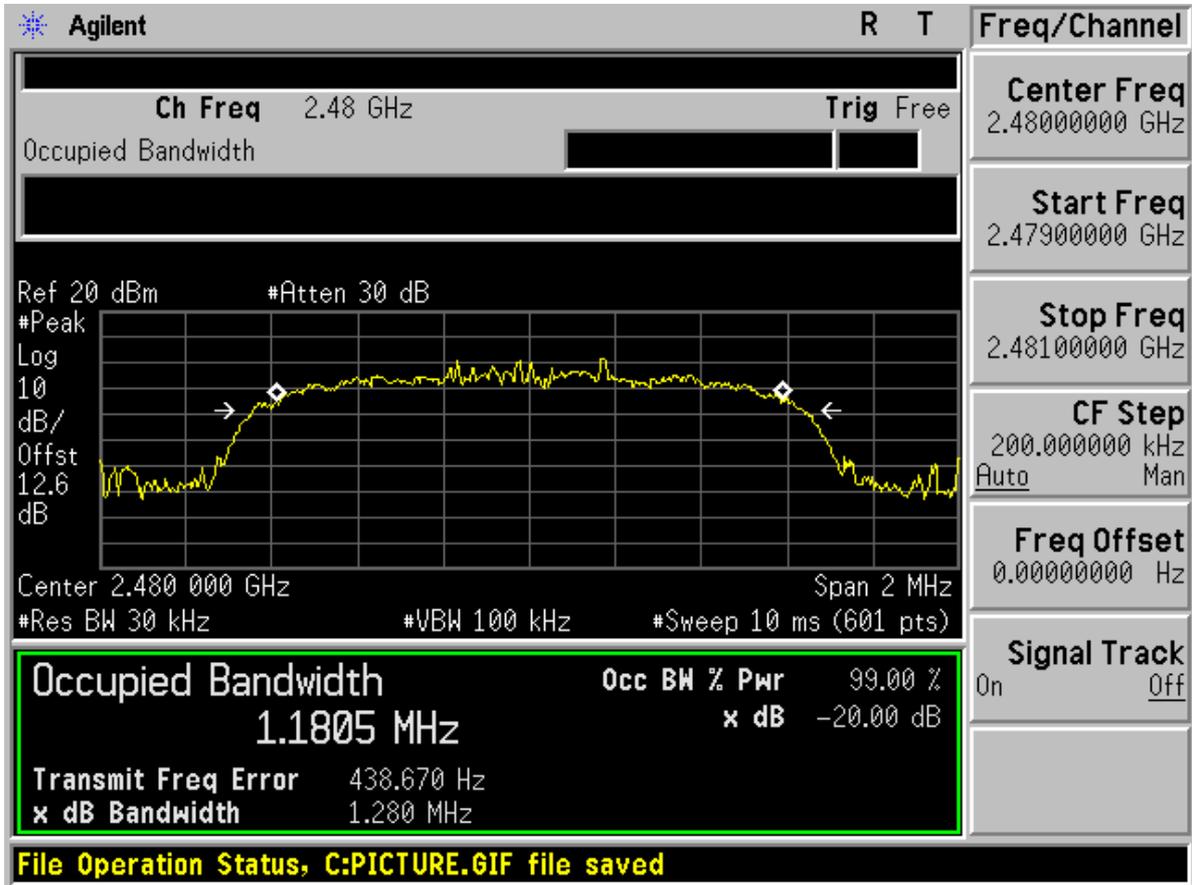


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix B

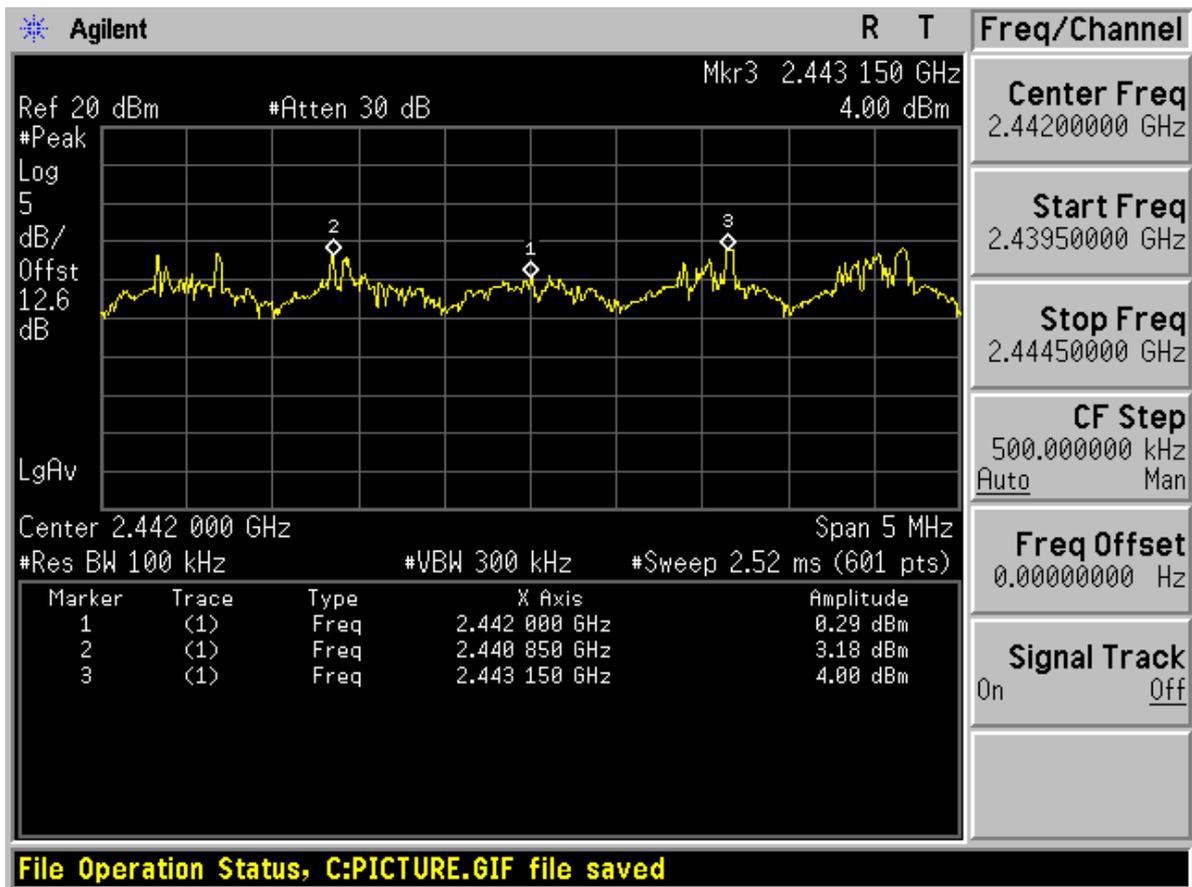
Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



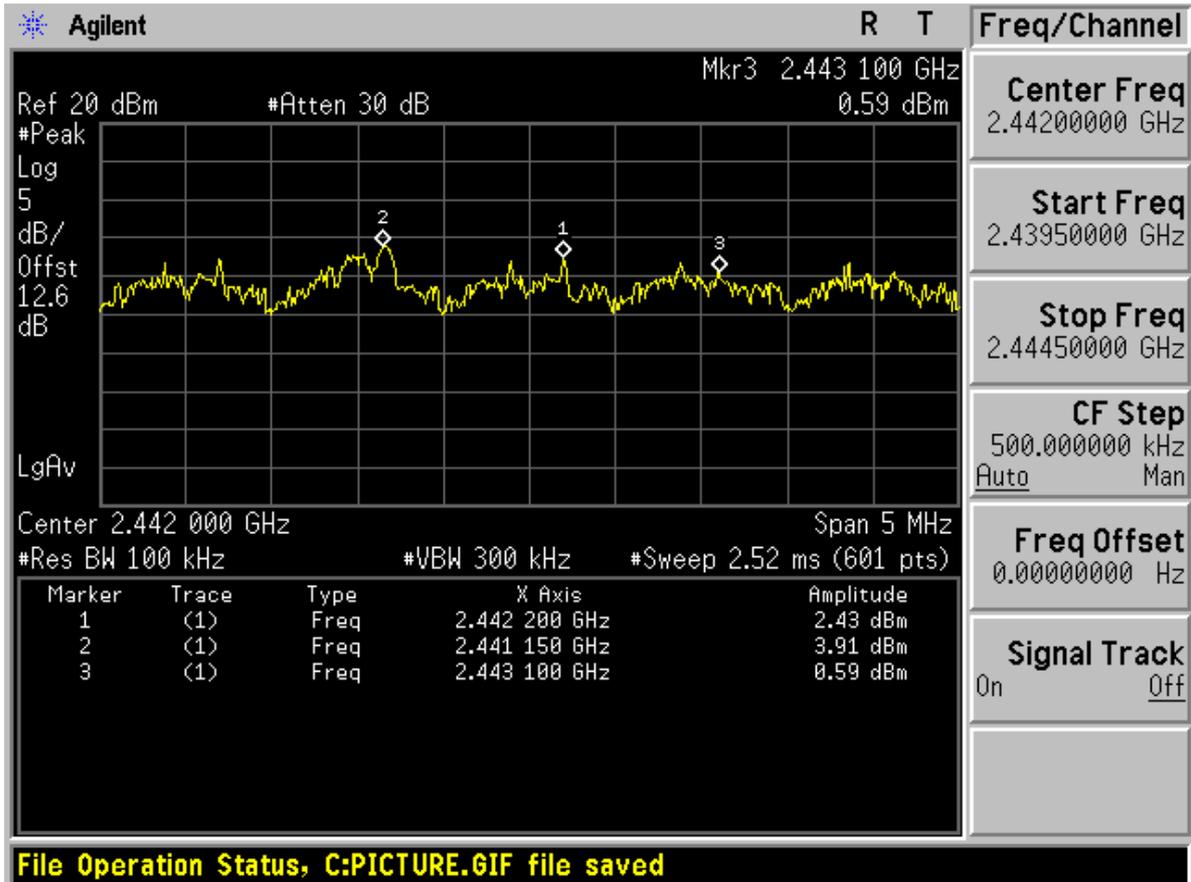
Modulation: $\pi/4$ -DQPSK

Centred at Channel 40





Modulation: 8DPSK Centred at Channel 40





Appendix C

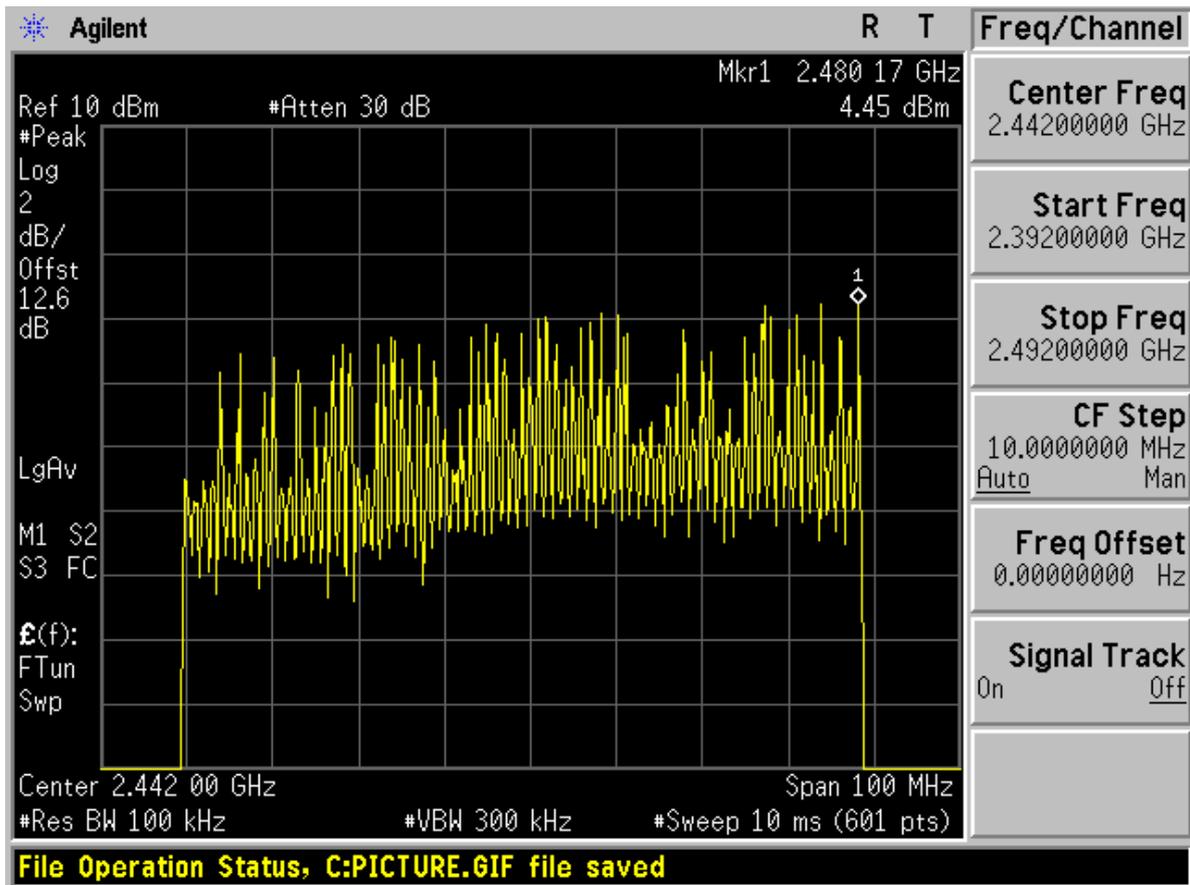
Number of hopping channel

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



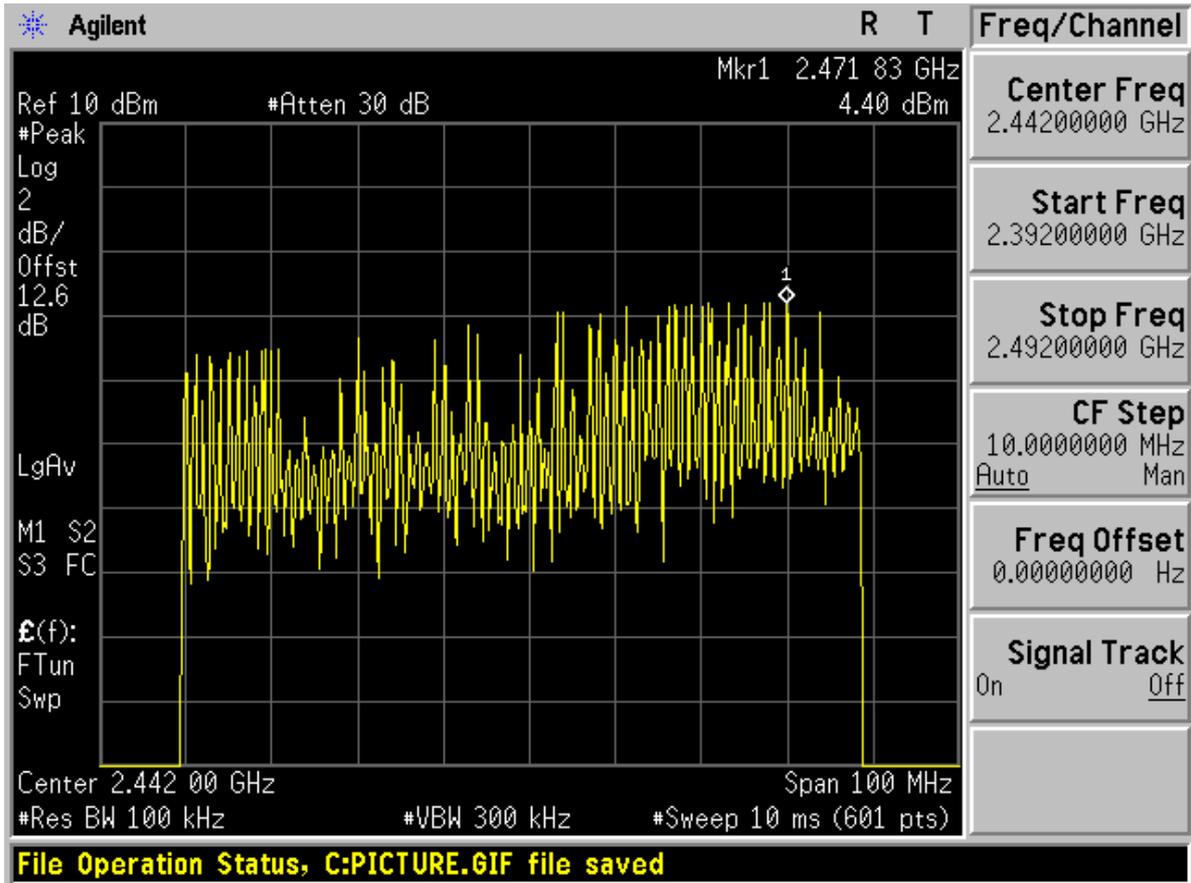
Modulation: $\pi/4$ -DQPSK

Total hopping channels = 79





Modulation: 8DPSK Total hopping channels = 79





Appendix D

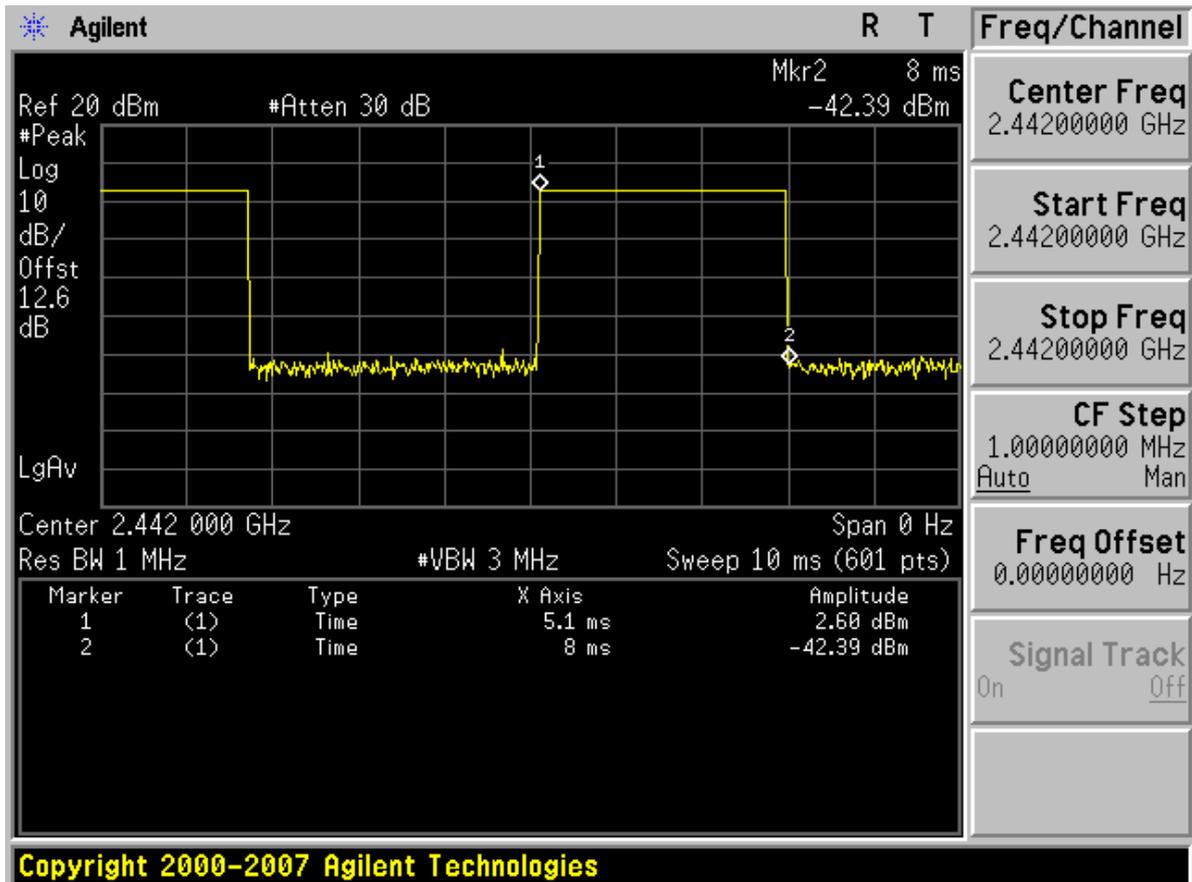
Time of occupancy

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



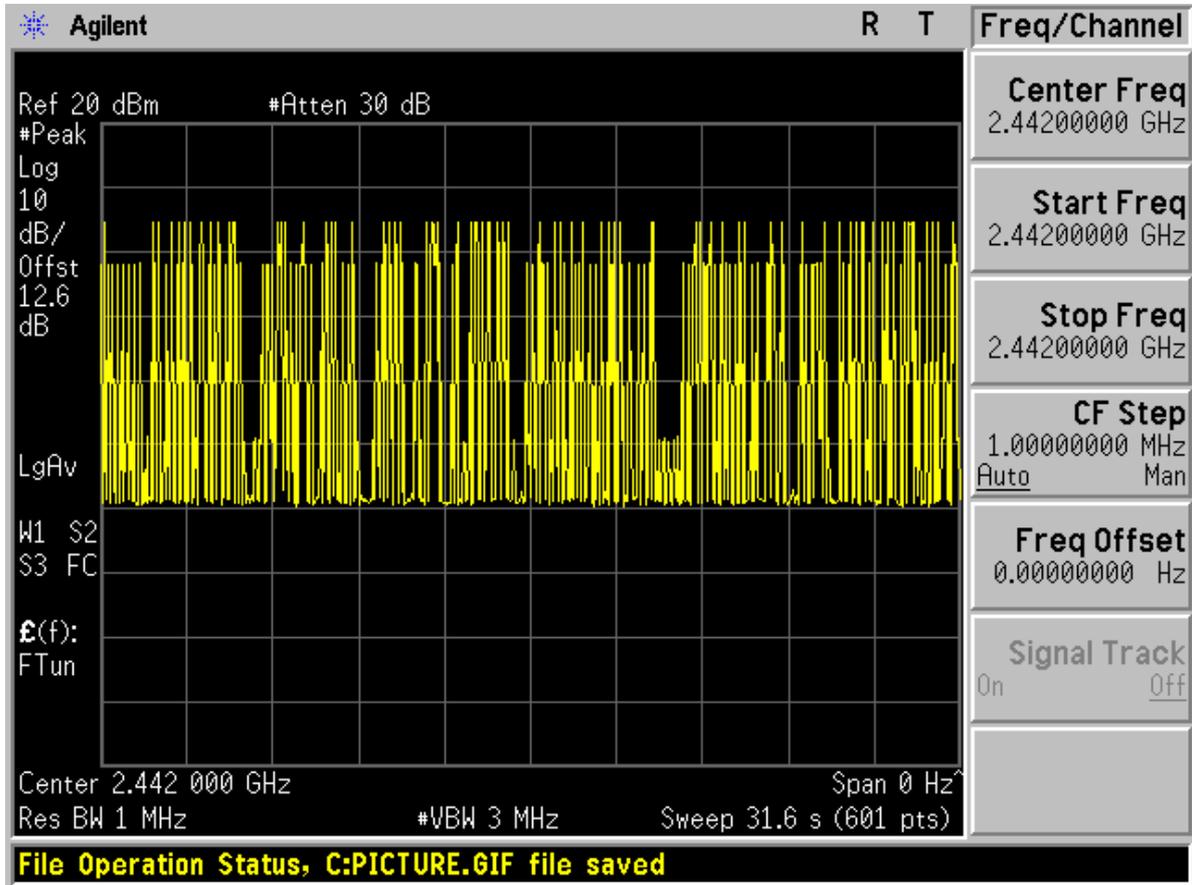
Modulation: $\pi/4$ -DQPSK

A burst (One time slot)





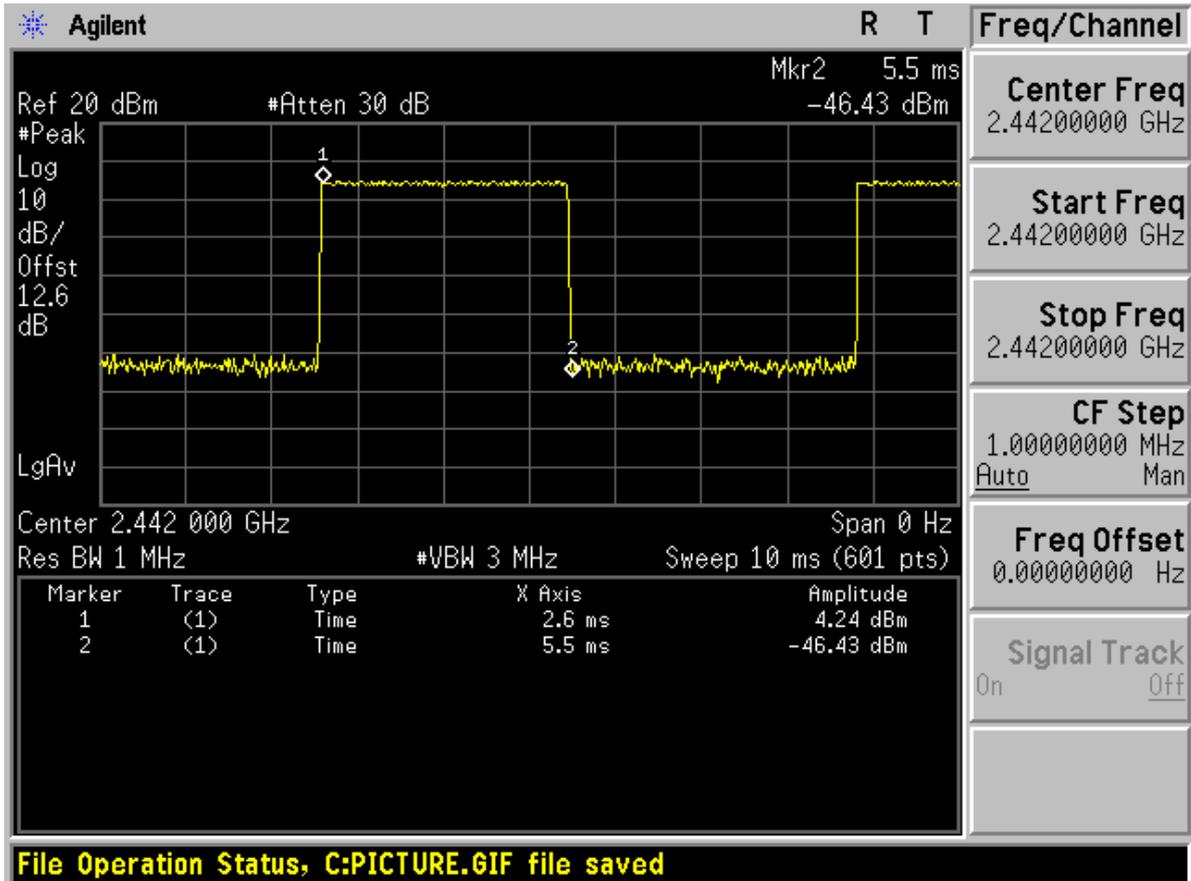
A period (Less than 106.7 burst)





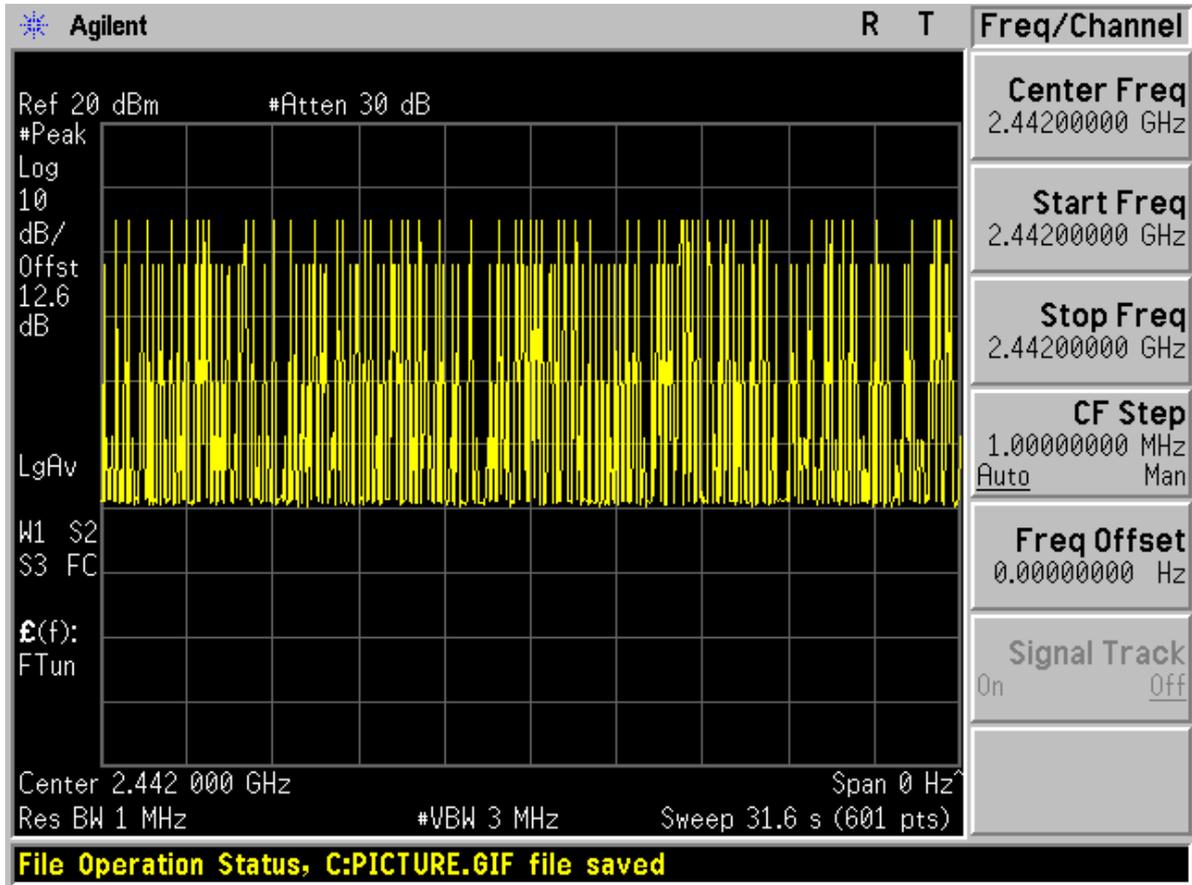
Modulation: 8DPSK

A burst (One time slot)





A period (Less than 106.7 burst)





Appendix E

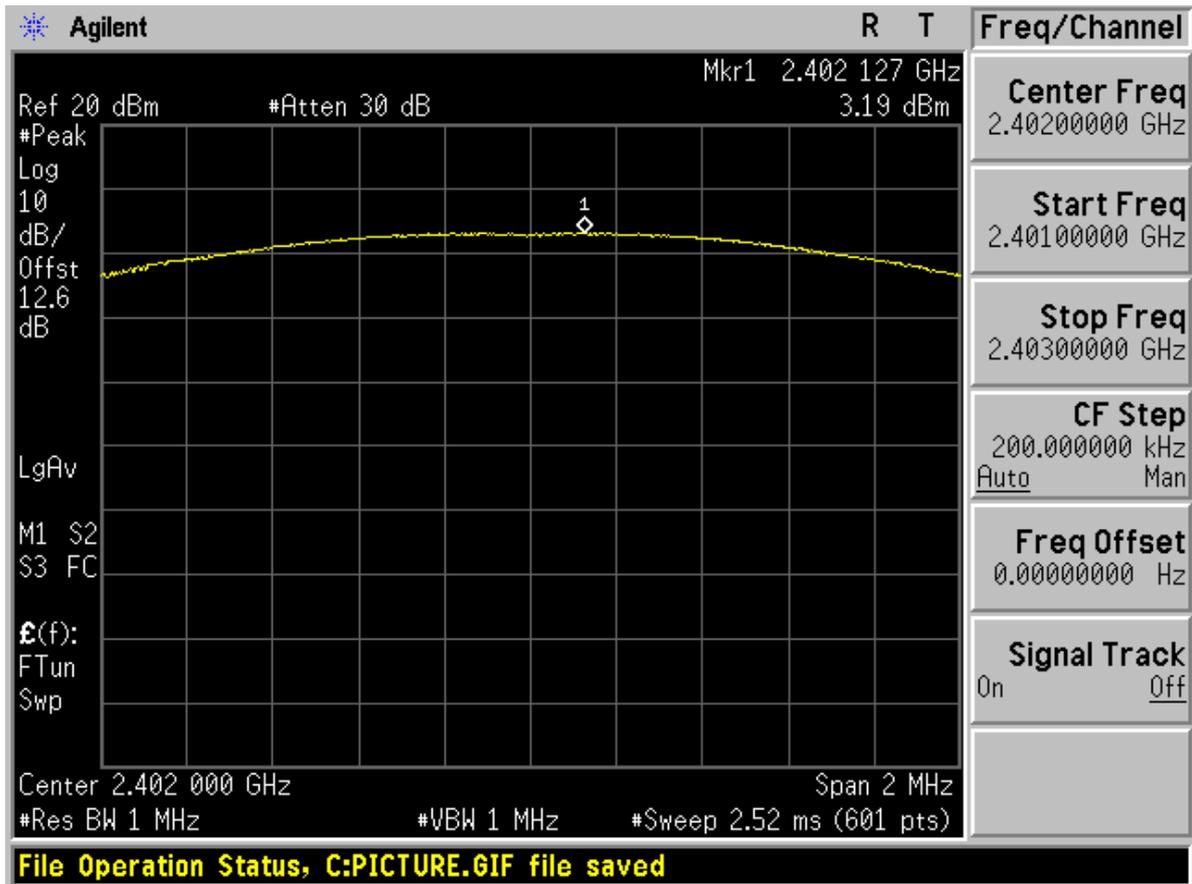
Peak output power

According to FCC Part 15.247 (b) (1)



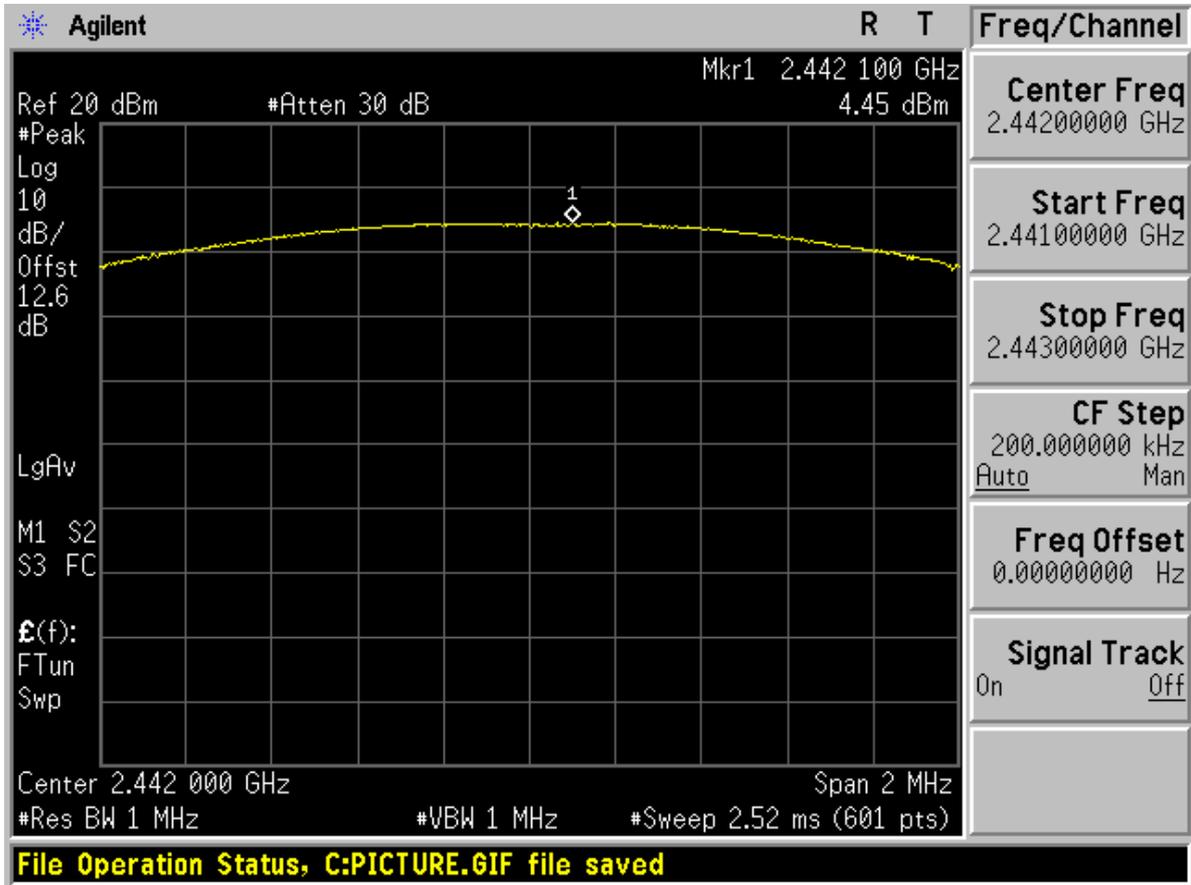
Modulation: $\pi/4$ -DQPSK

Channel 0 (2402MHz)



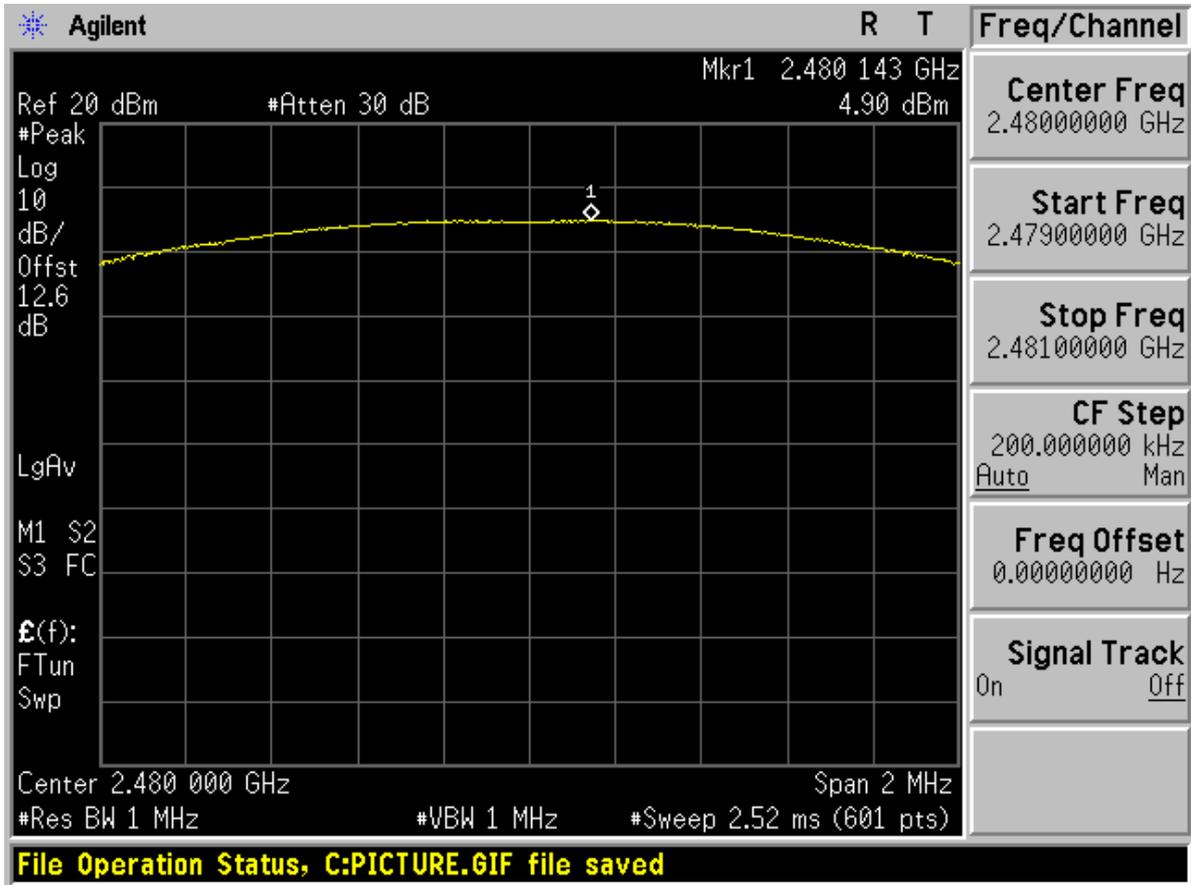


Channel 40 (2442MHz)



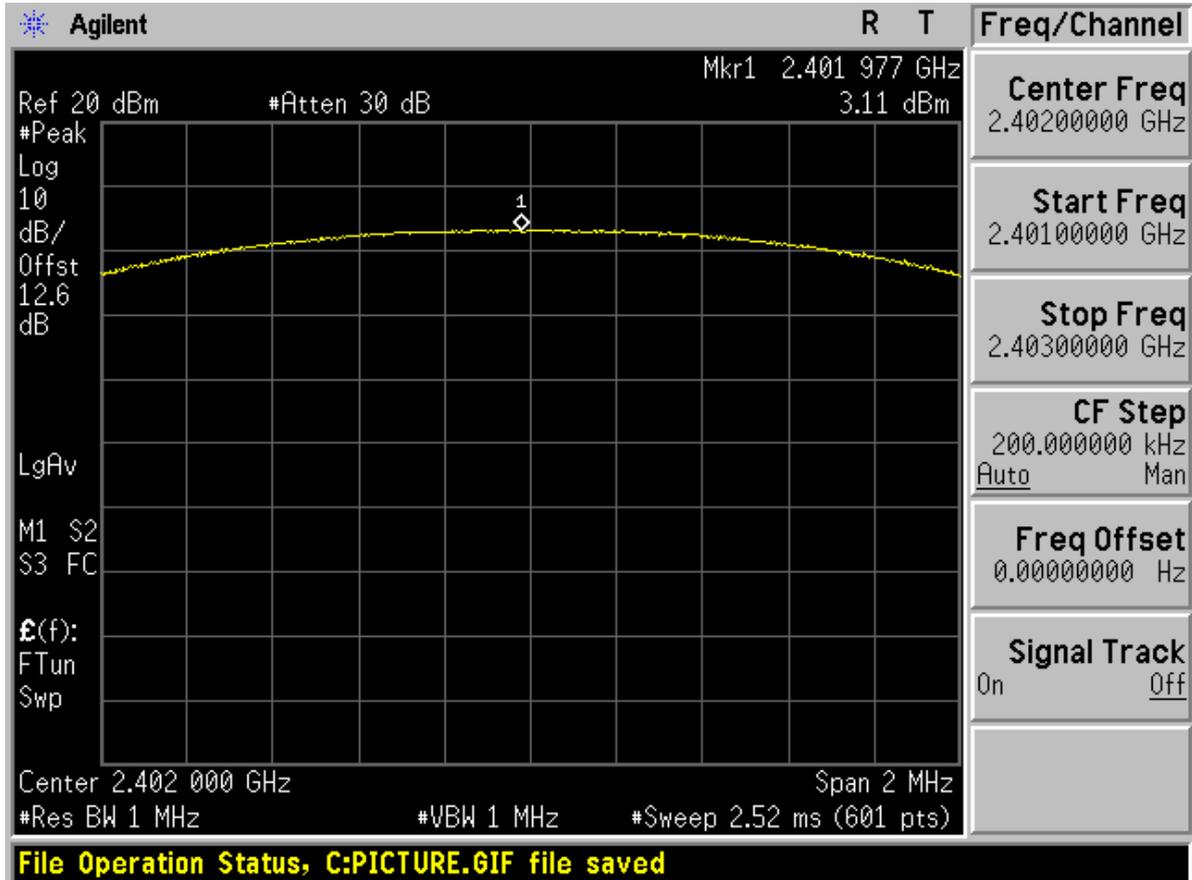


Channel 78 (2480MHz)



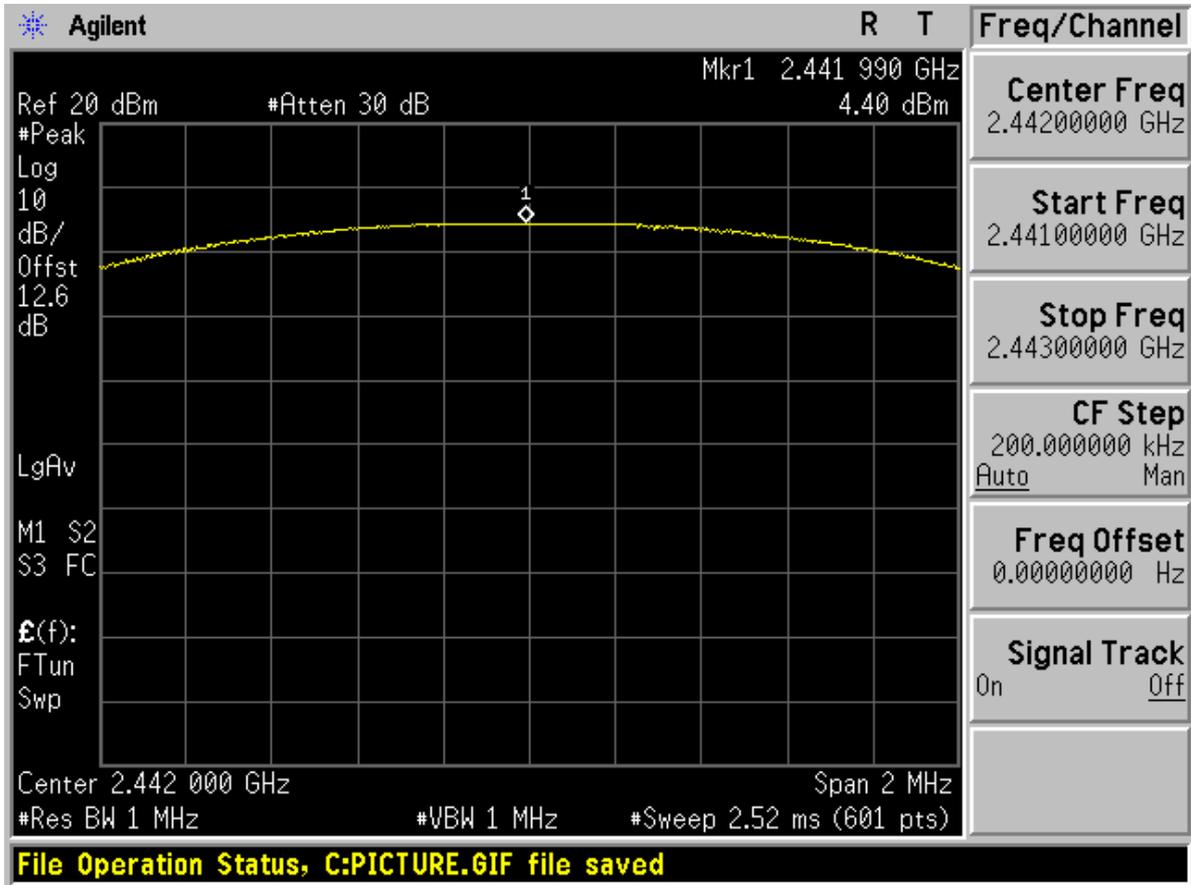


Modulation: 8DPSK Channel 0 (2402MHz)



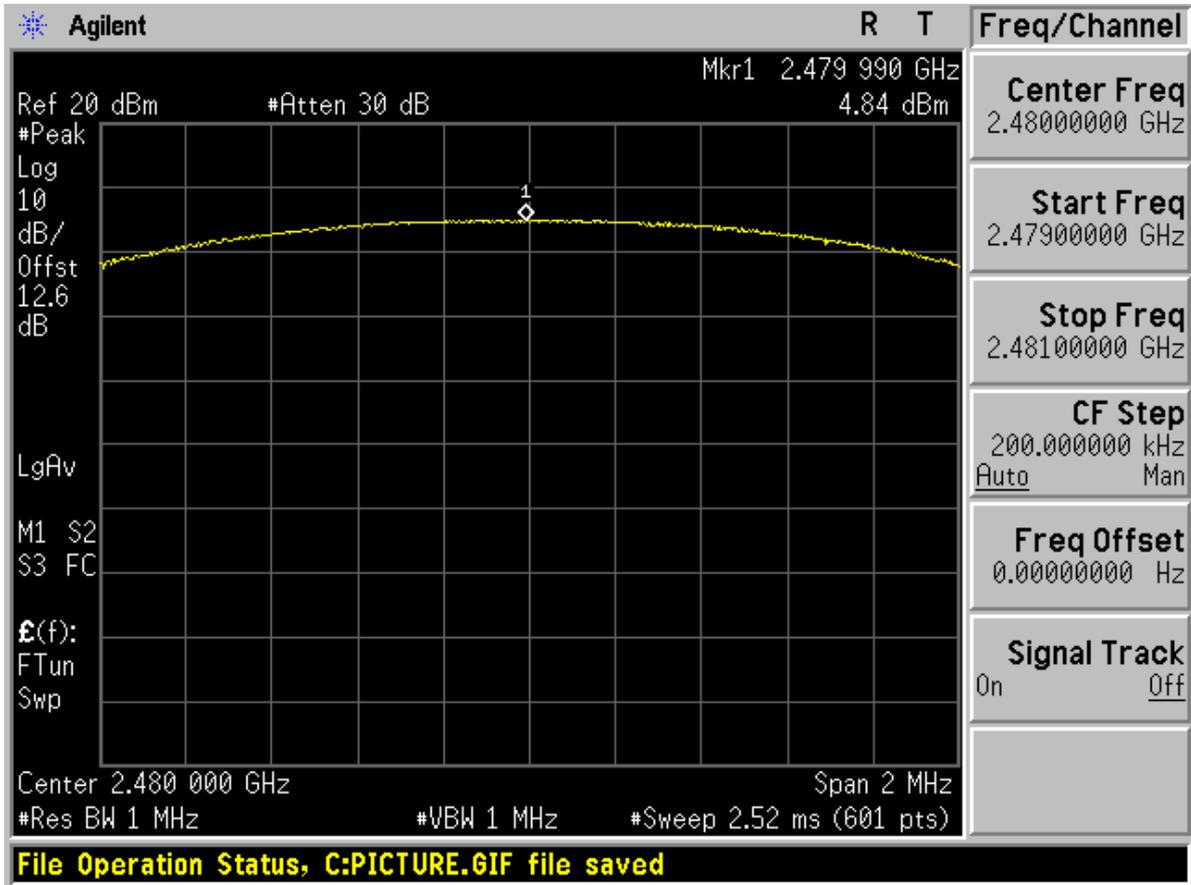


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix F

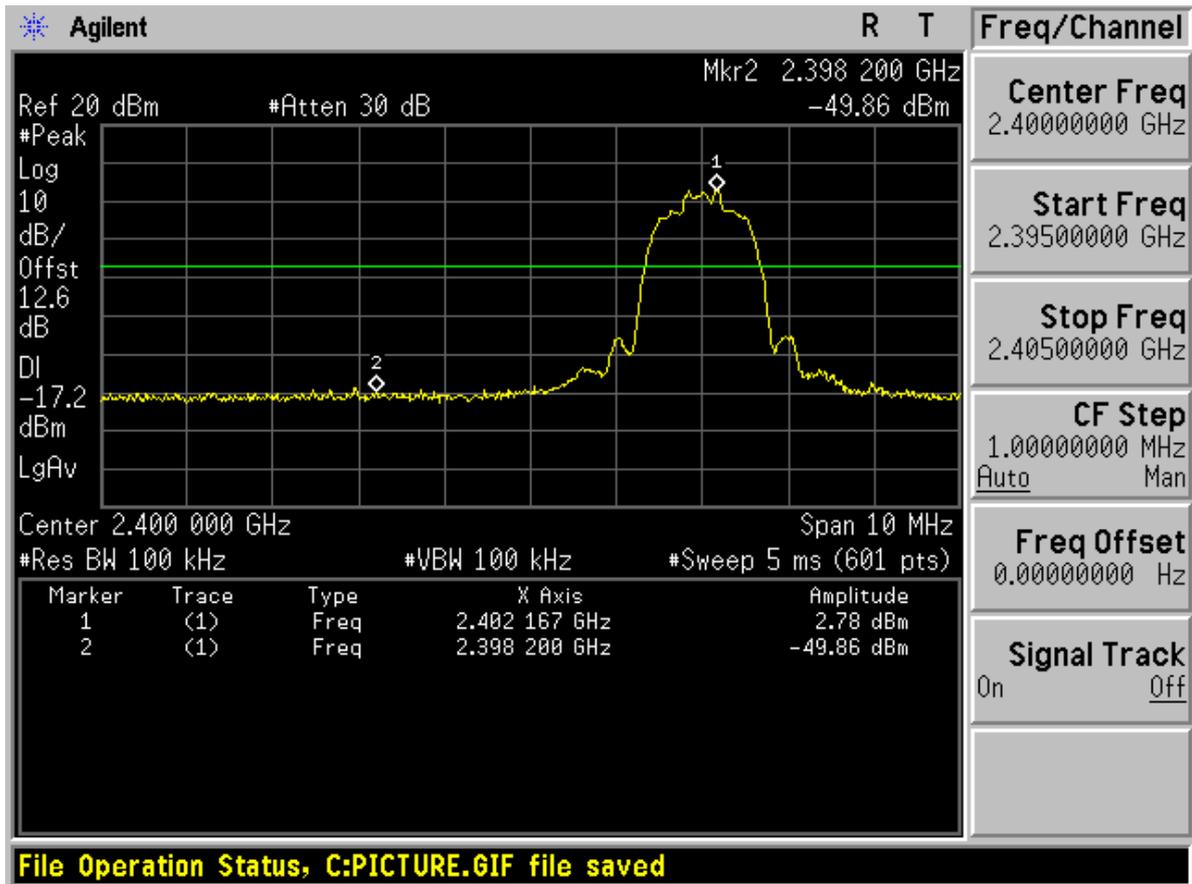
Band edge spurious emission

According to FCC Part 15.247 (d)



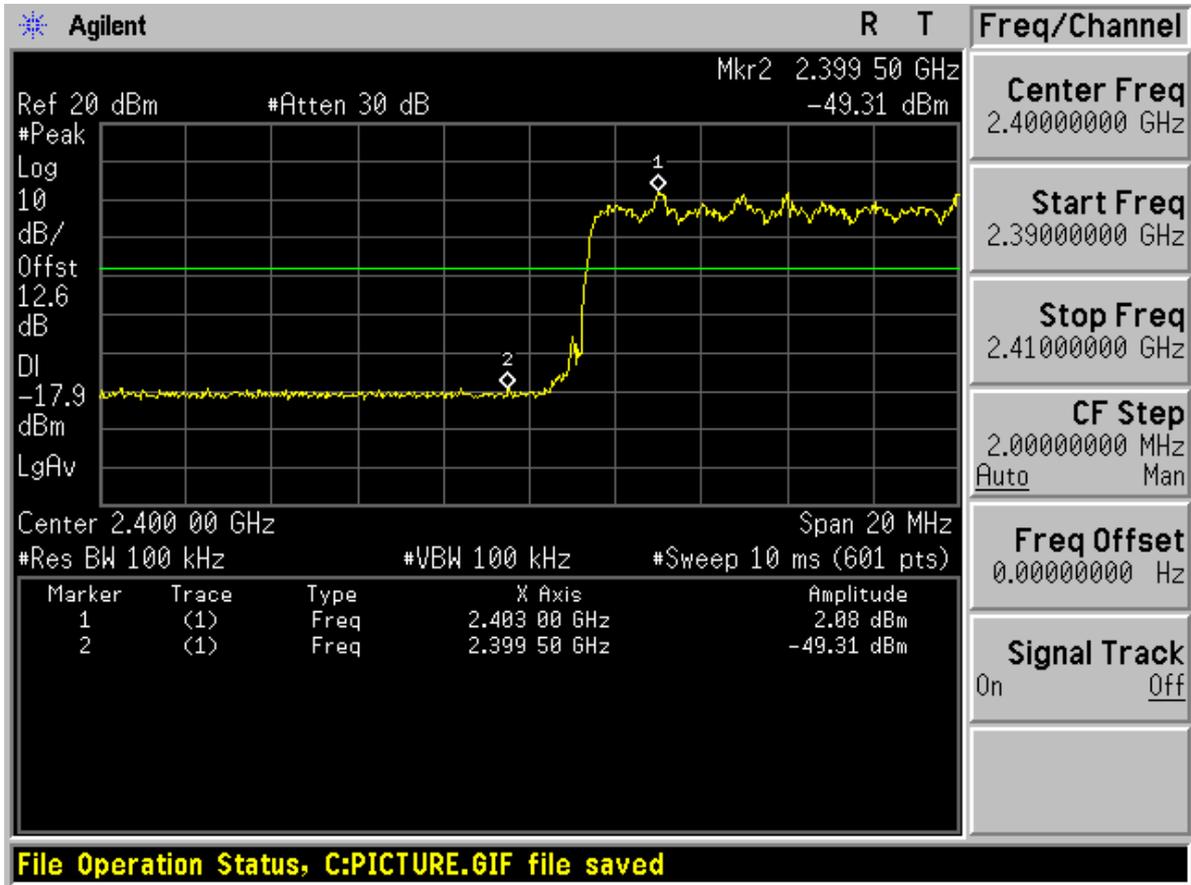
Modulation: $\pi/4$ -DQPSK

Low edge (Channel 0, no hopping)



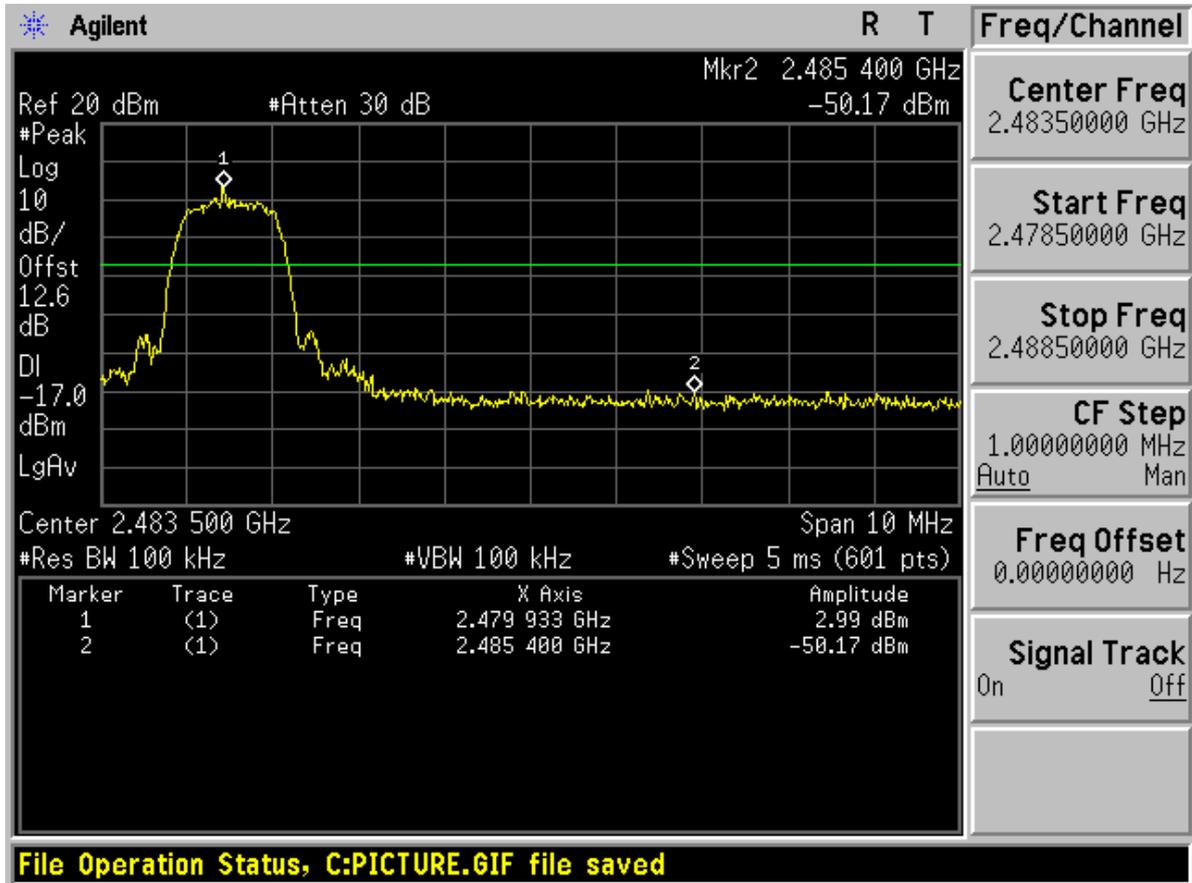


Low edge (with hopping)



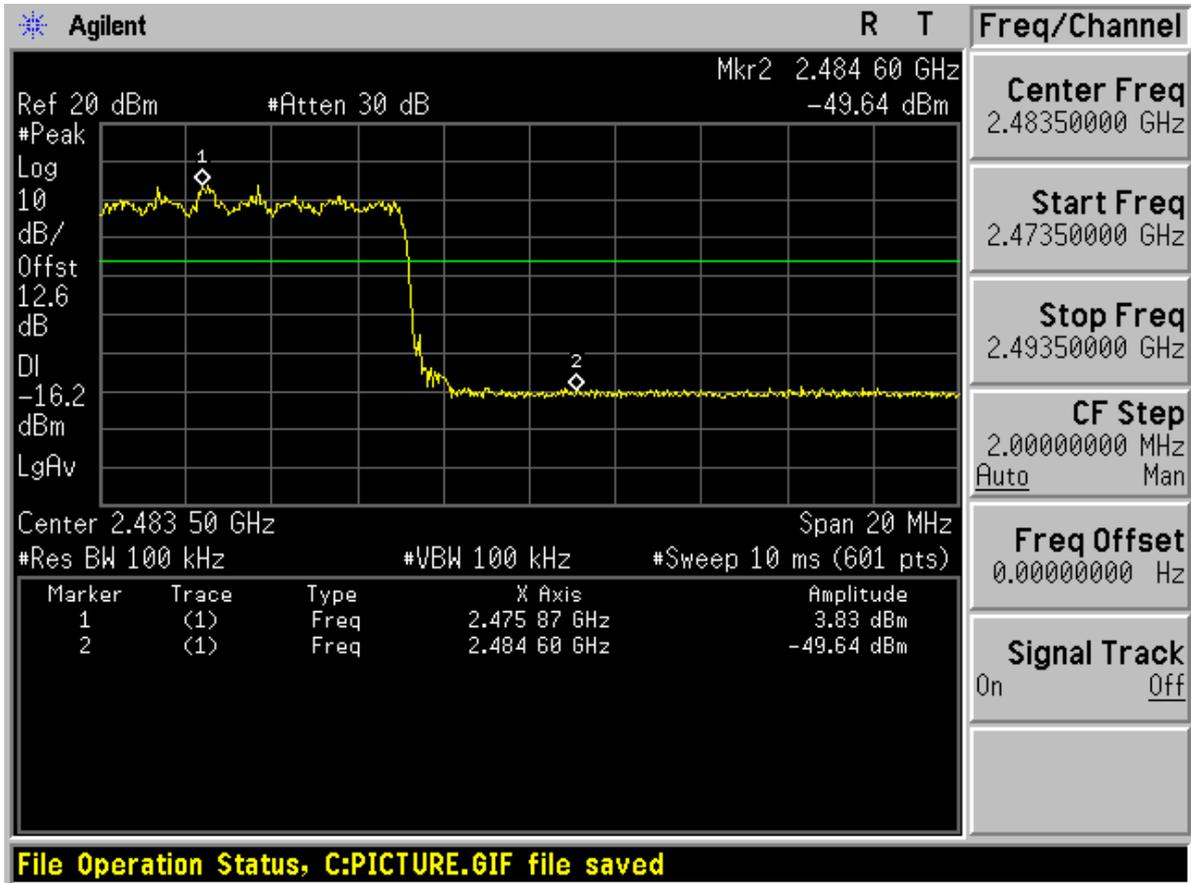


High edge (Channel 78, no hopping)



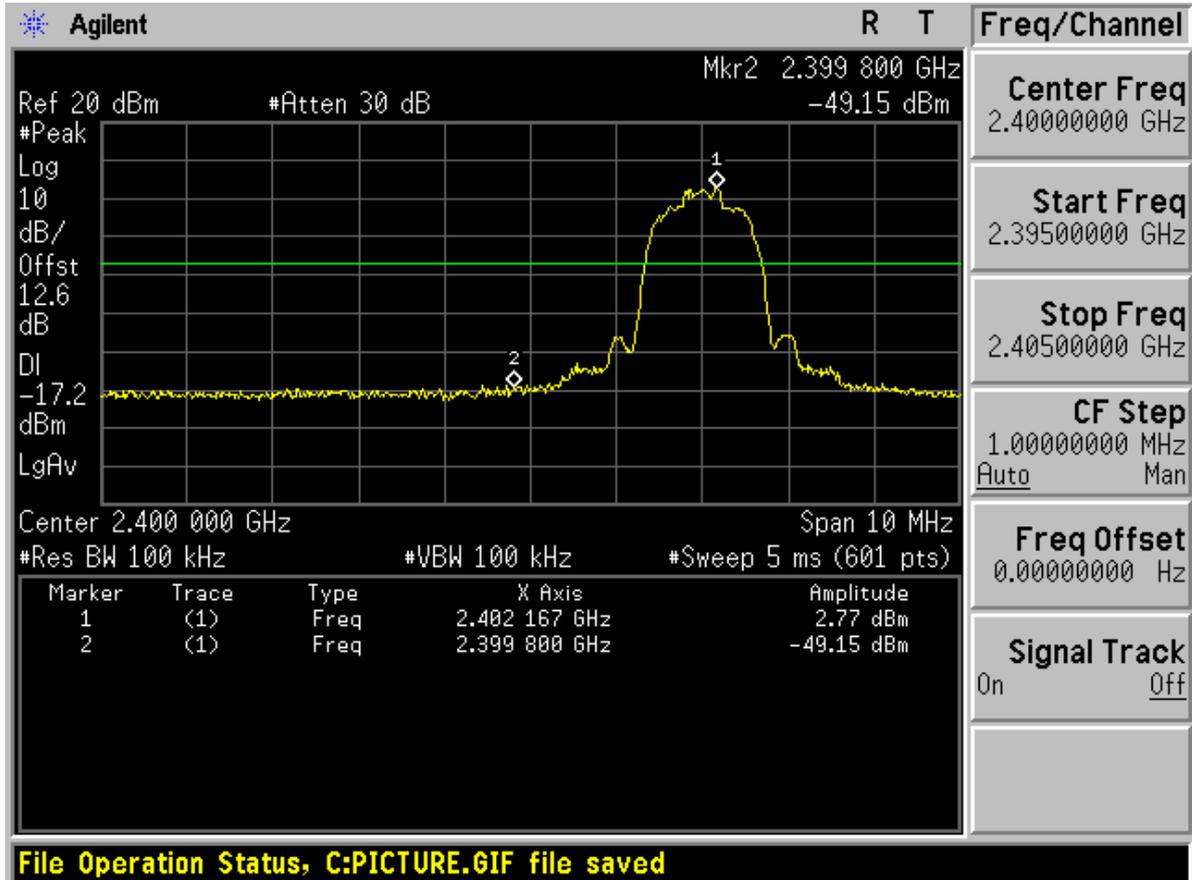


High edge (with hopping)



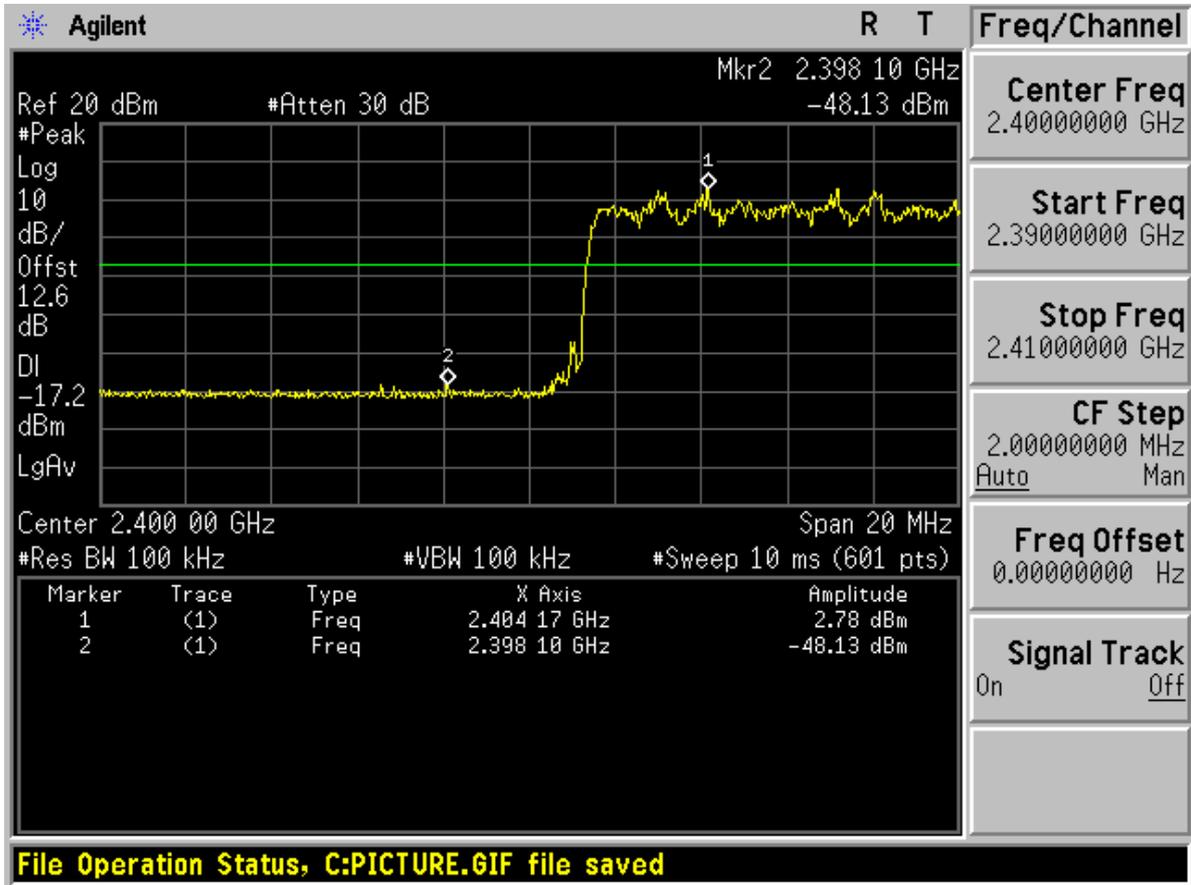


Modulation: 8DPSK Low edge (Channel 0, no hopping)



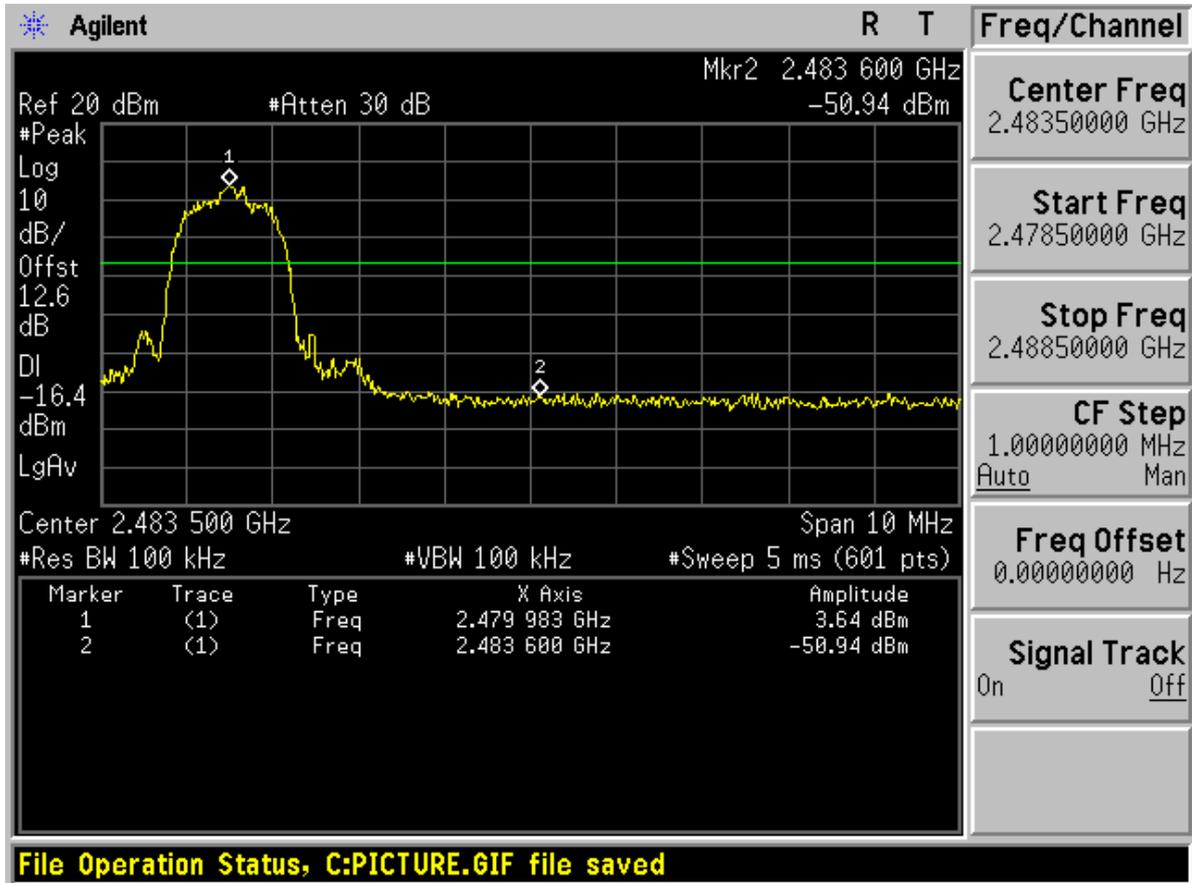


Low edge (with hopping)



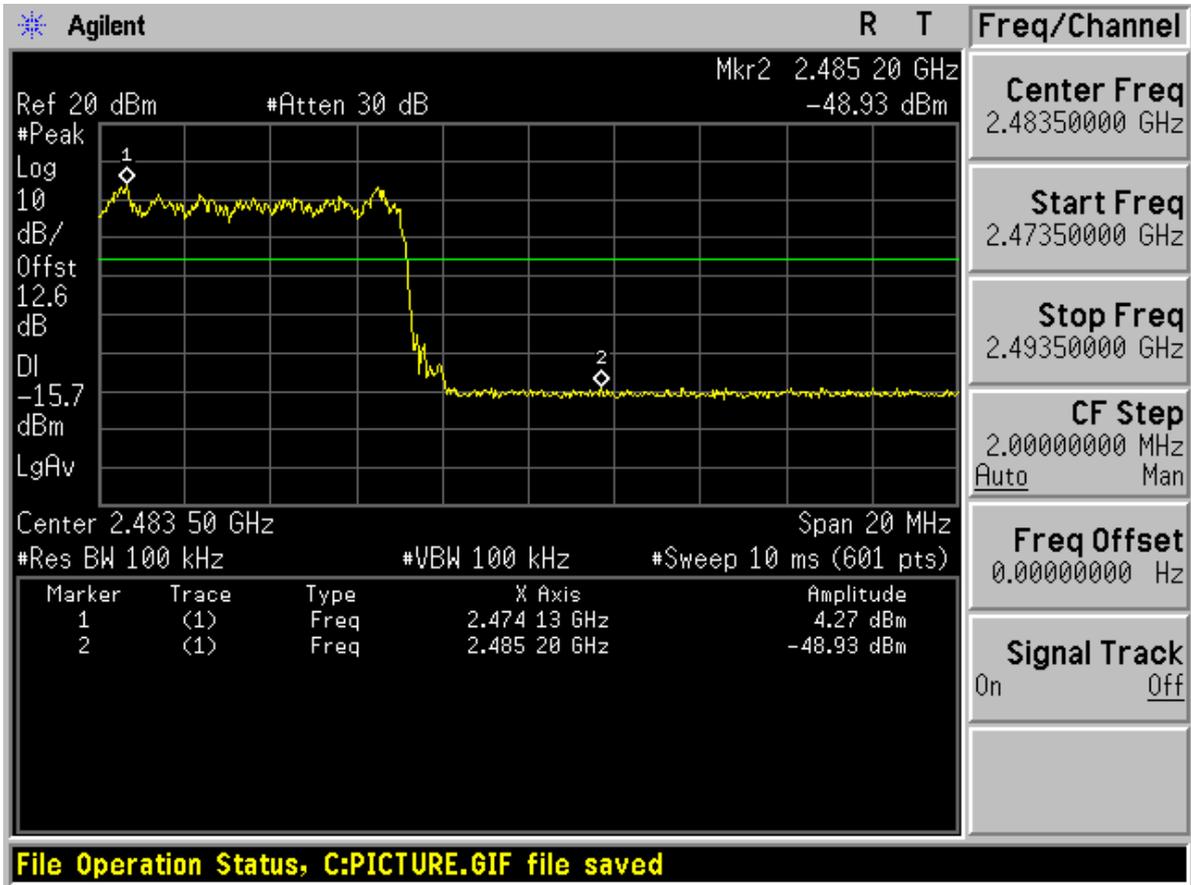


High edge (Channel 78, no hopping)





High edge (with hopping)





Appendix G

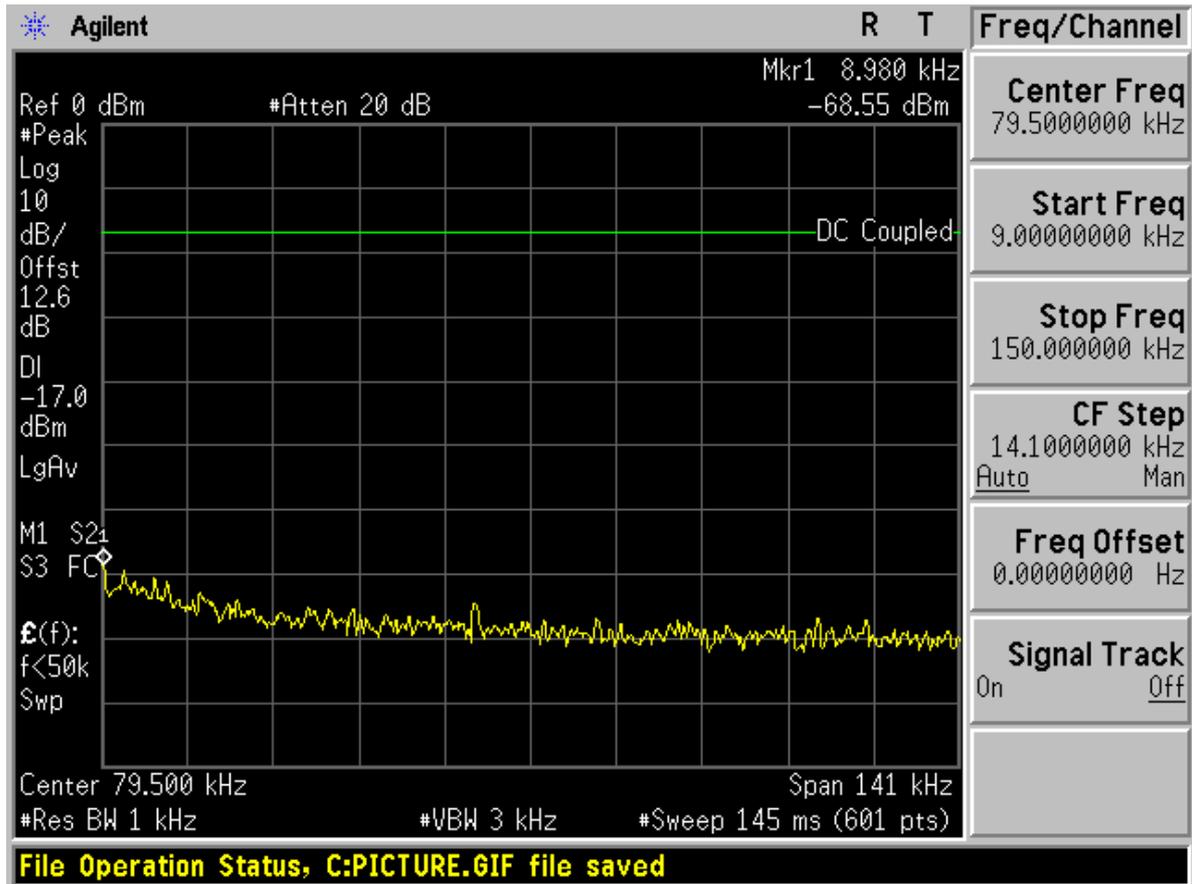
Conducted RF spurious

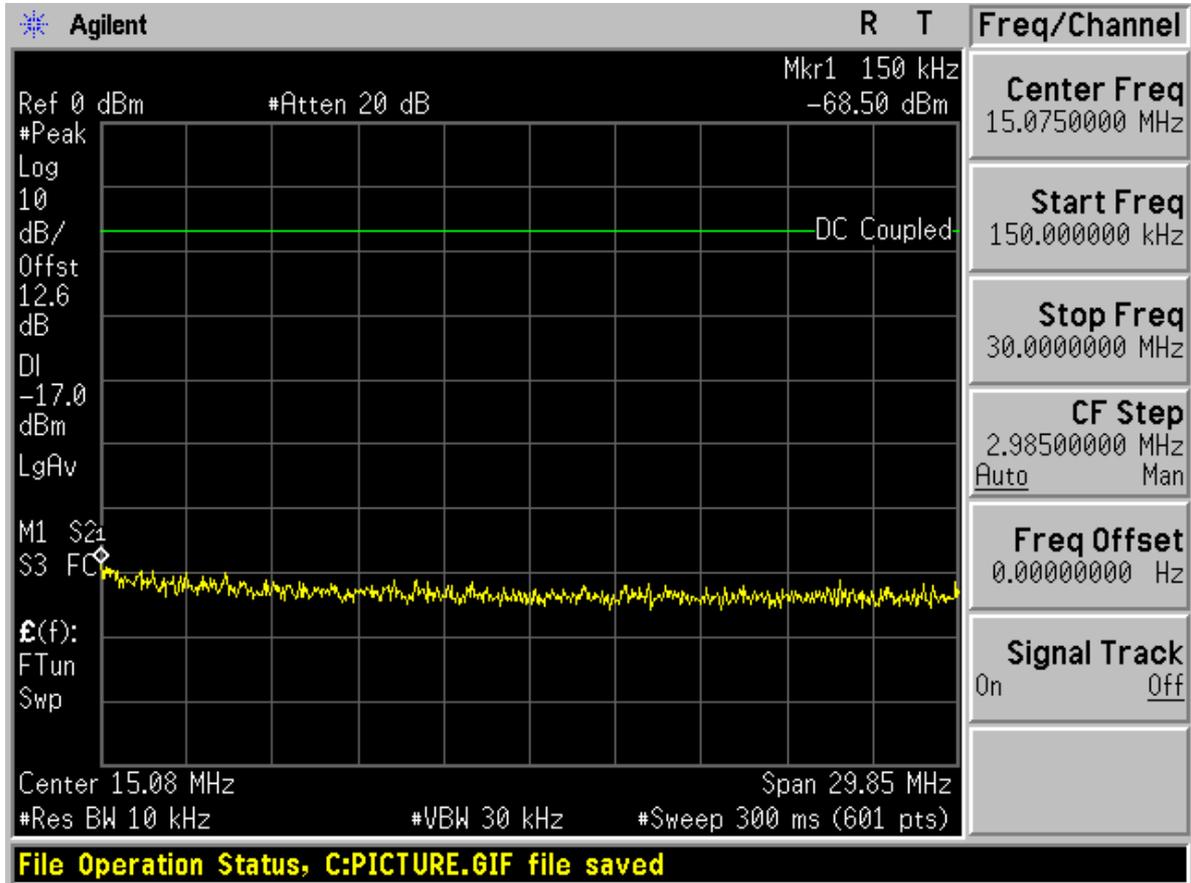
According to FCC Part 15.247 (d)

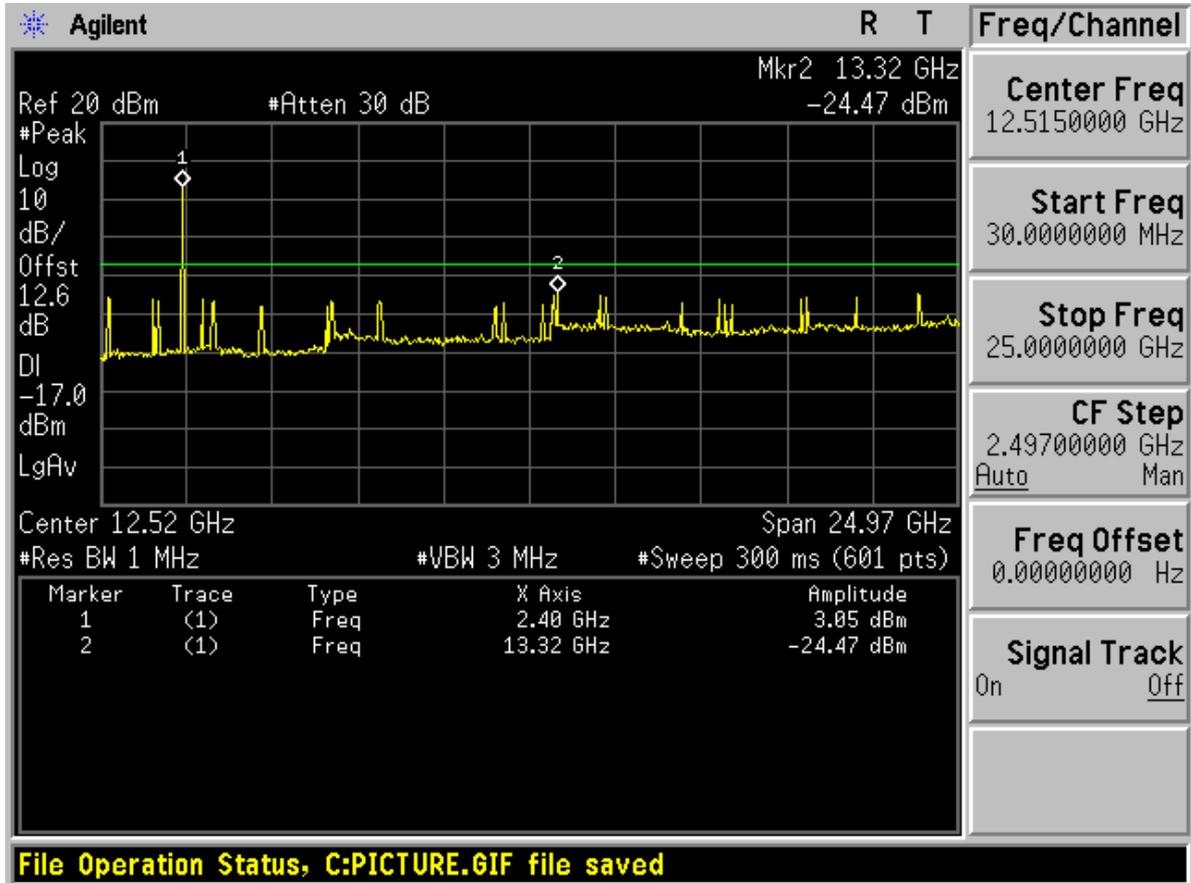


Modulation: $\pi/4$ -DQPSK

Channel 0

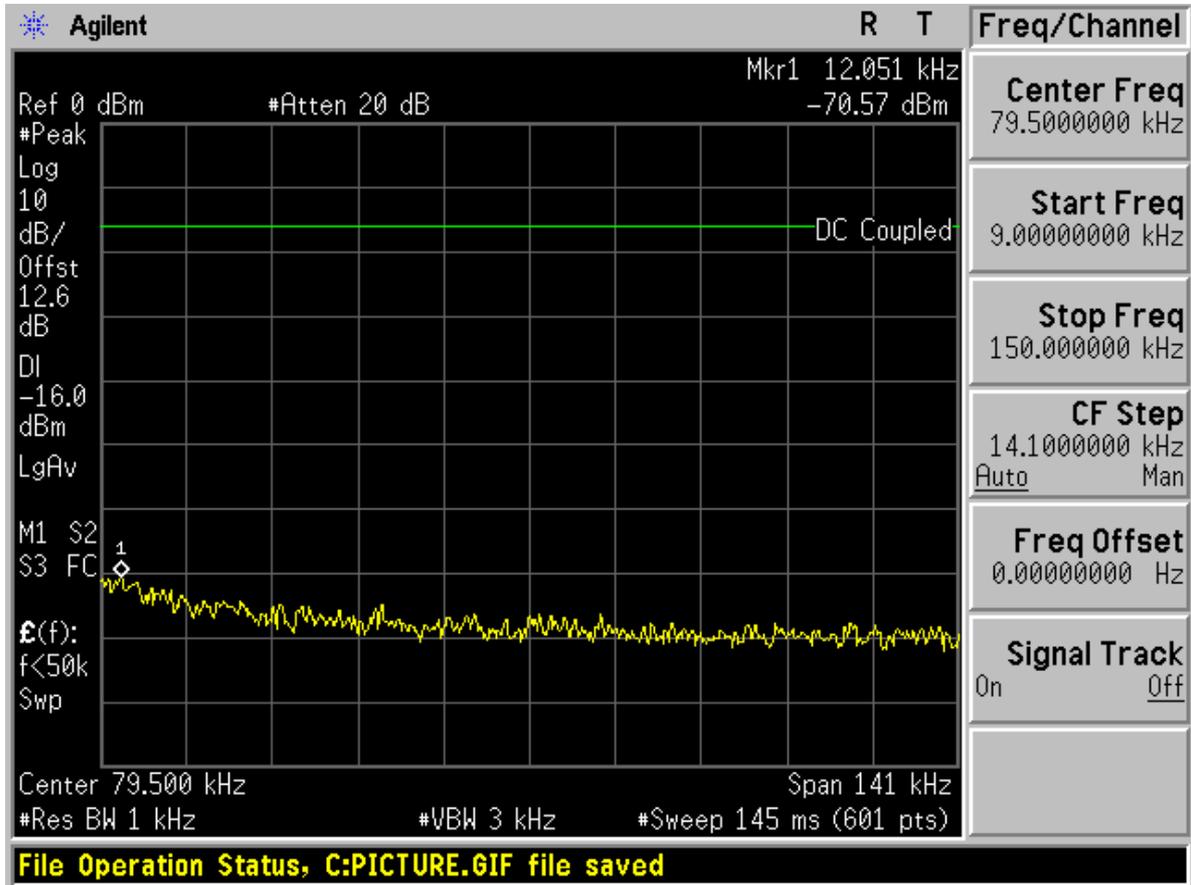


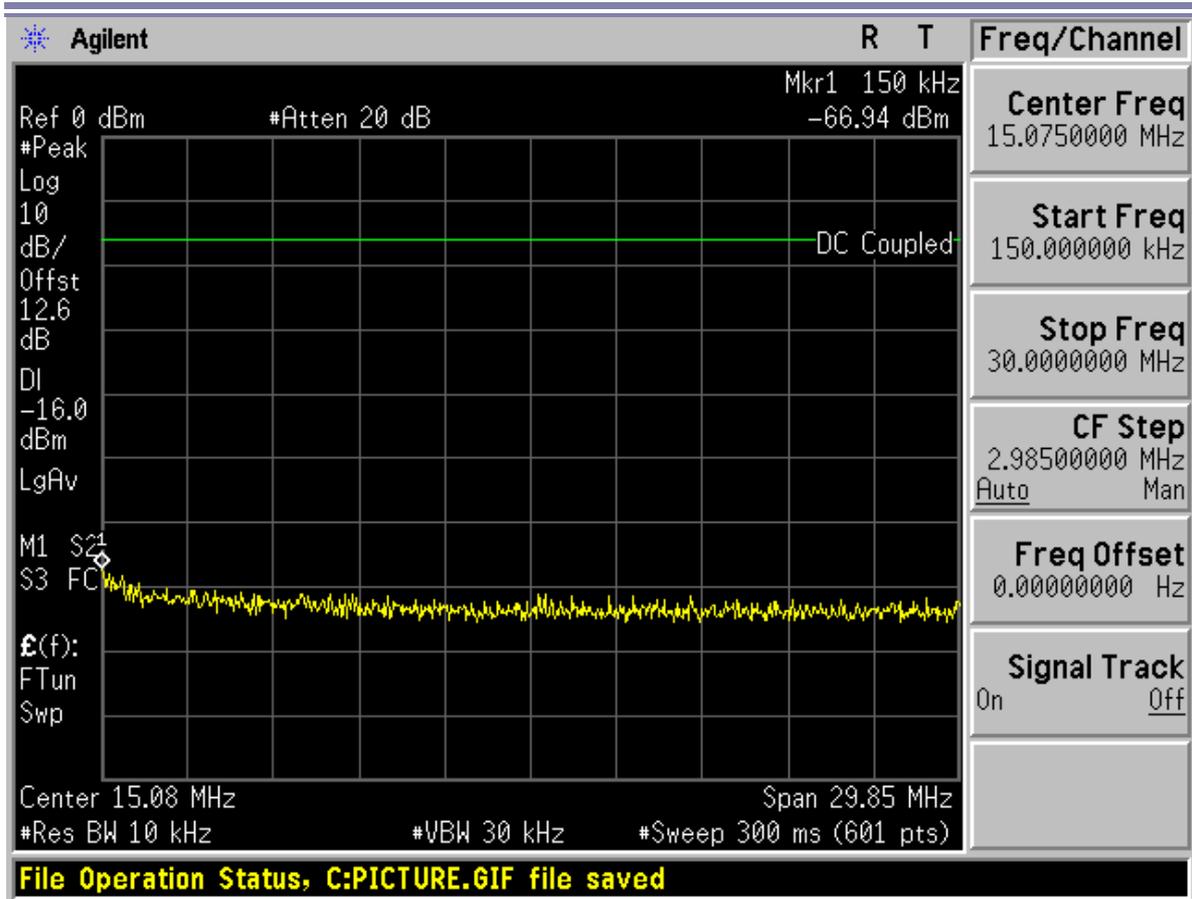


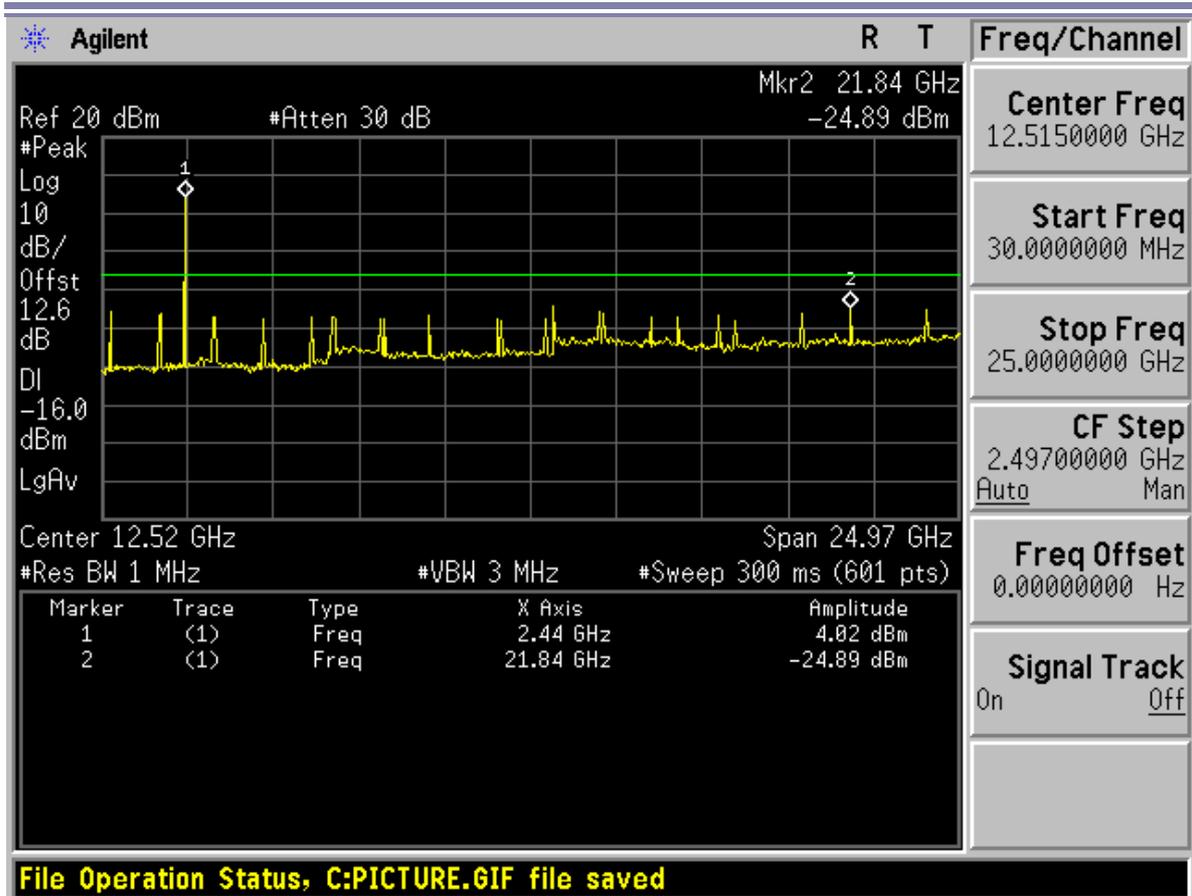




Channel 40

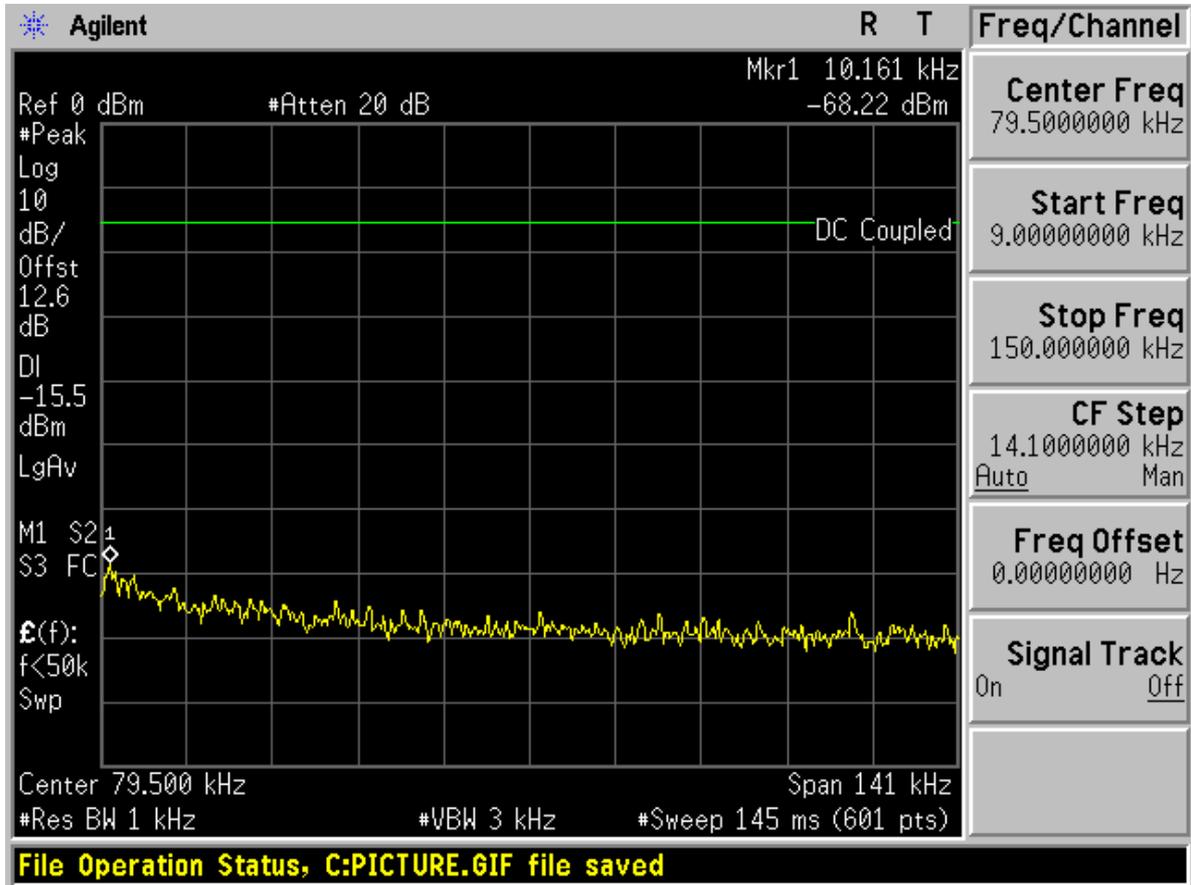


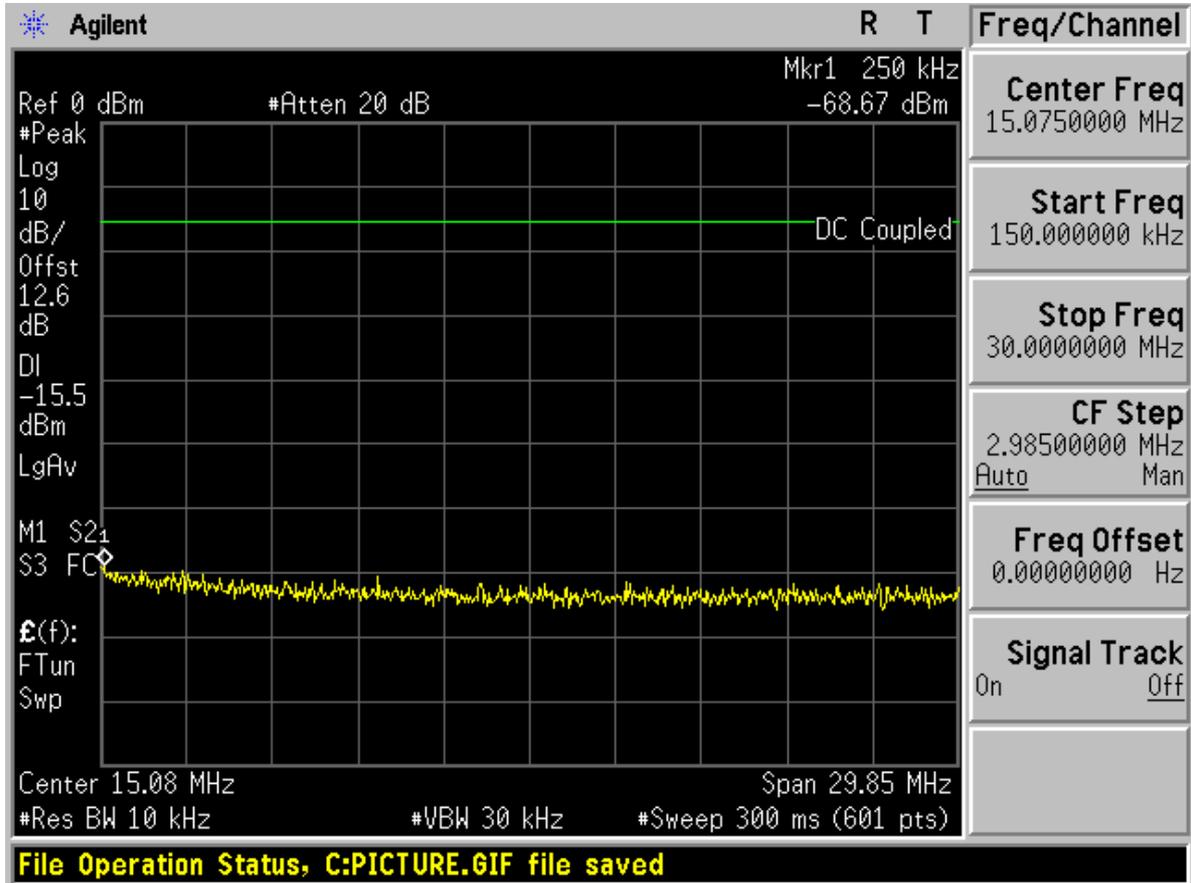


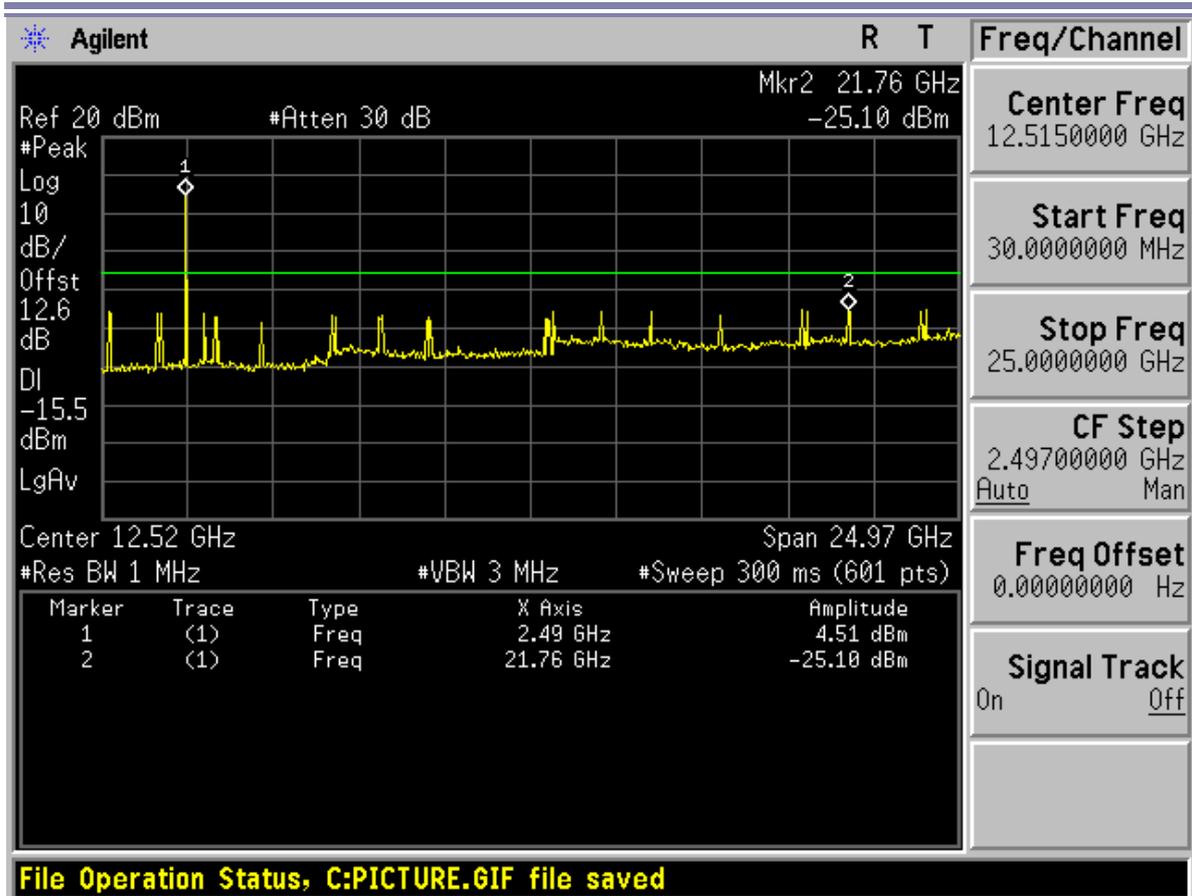




Channel 78

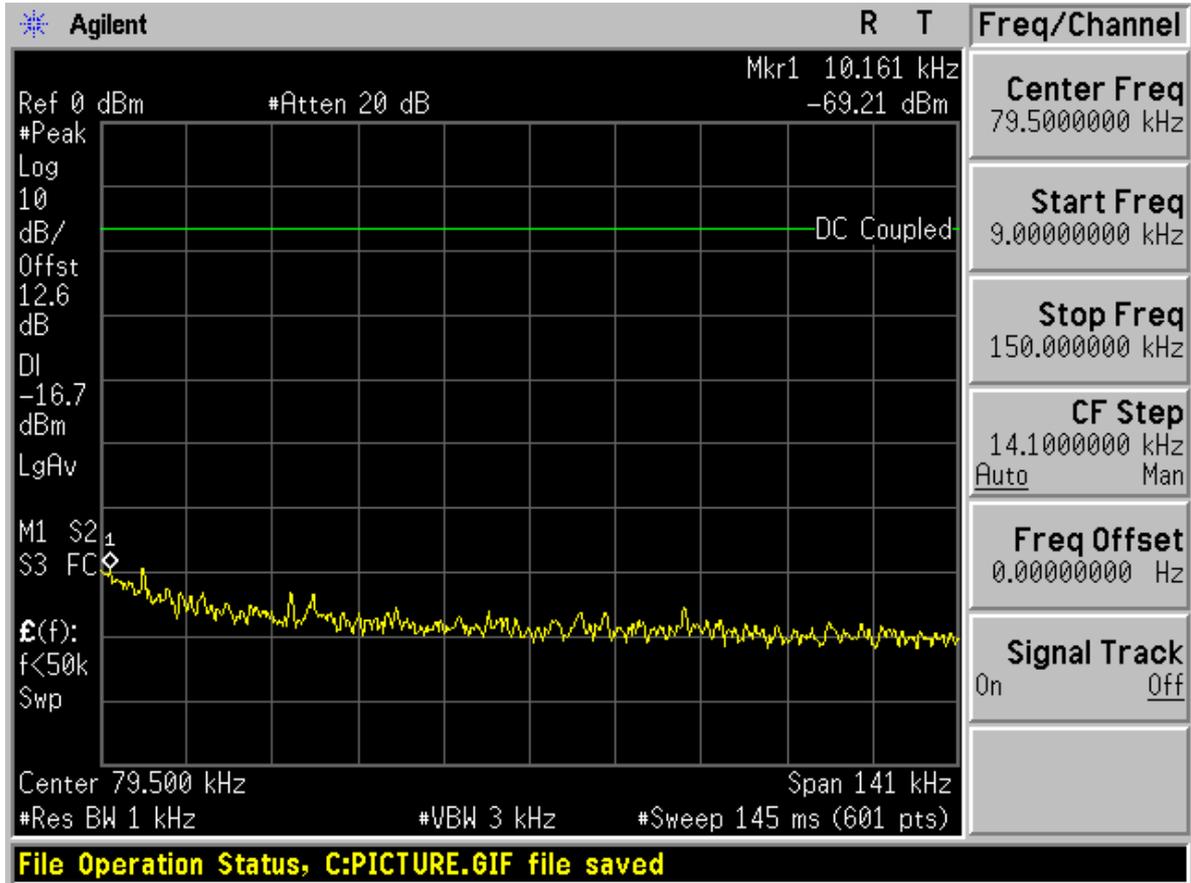


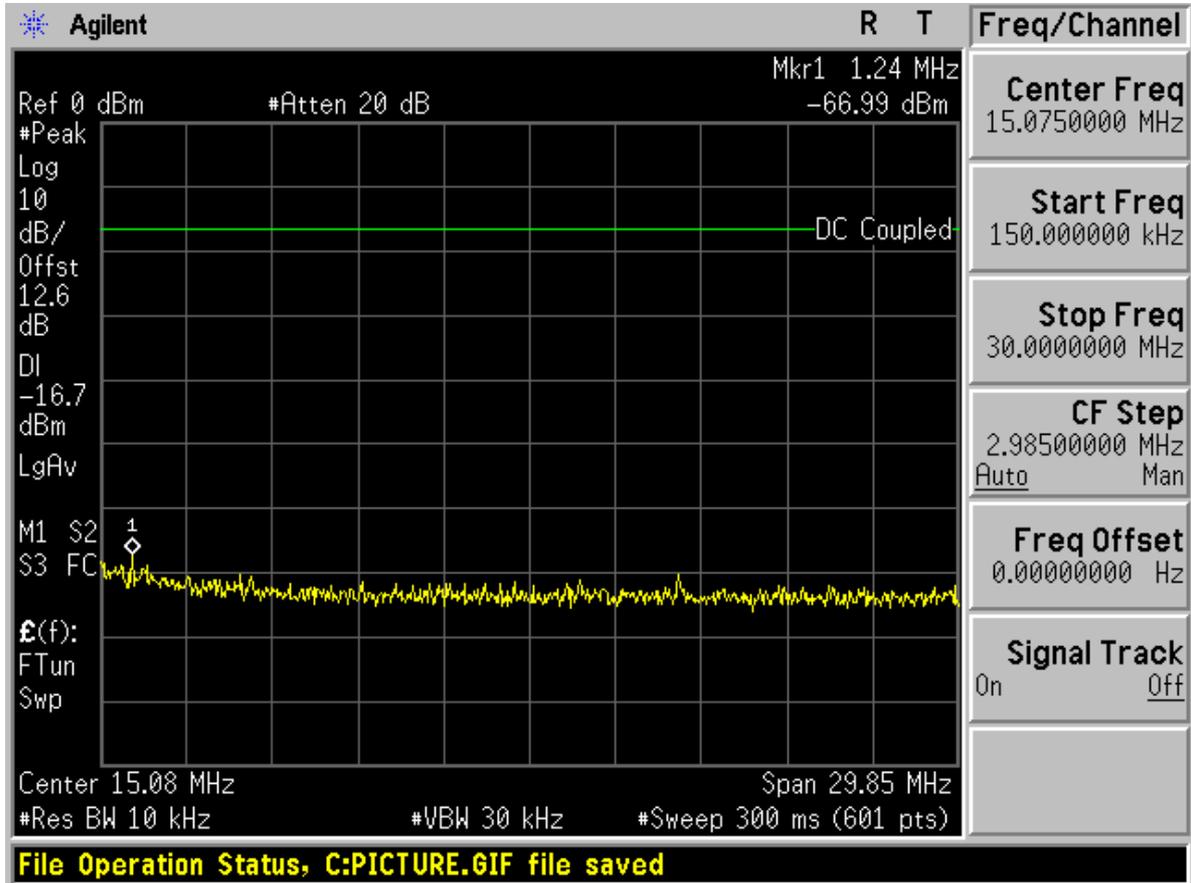


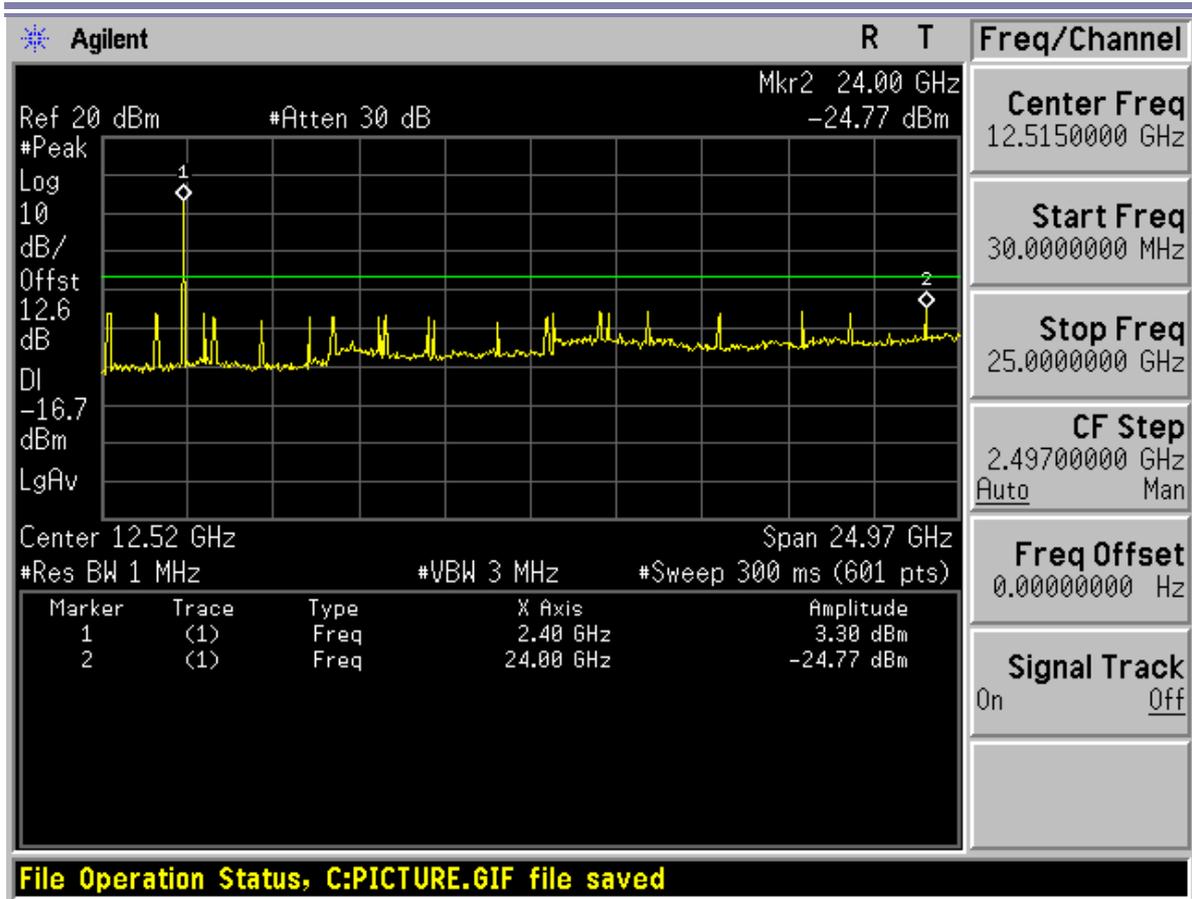




Modulation: 8DPSK Channel 0

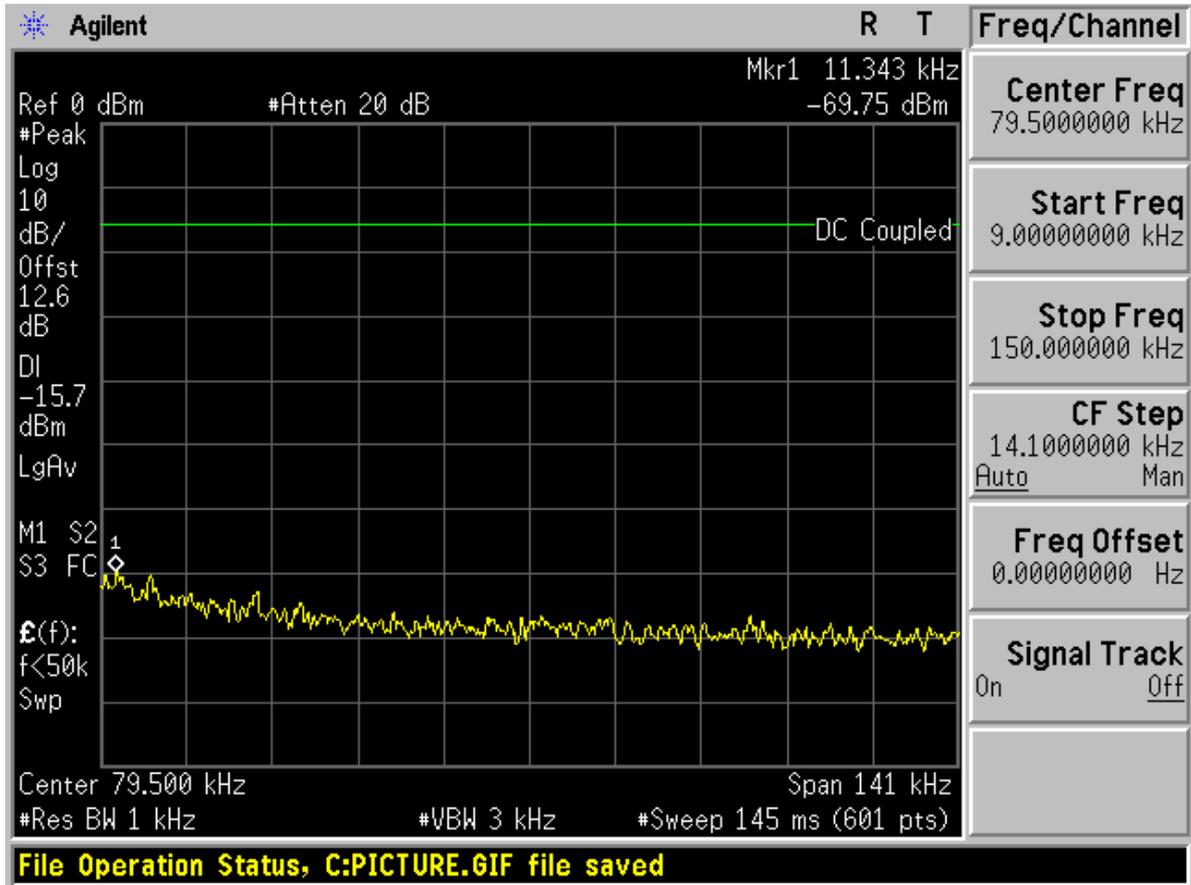


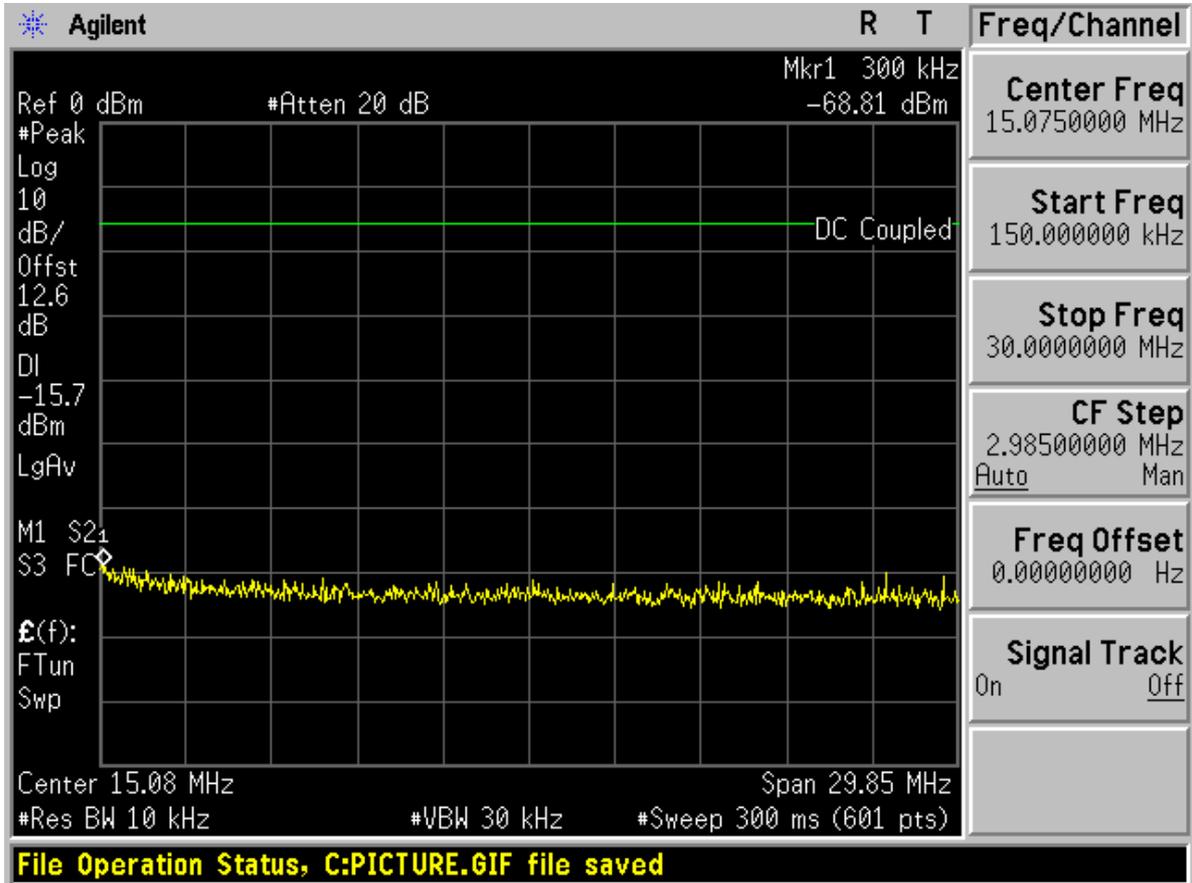


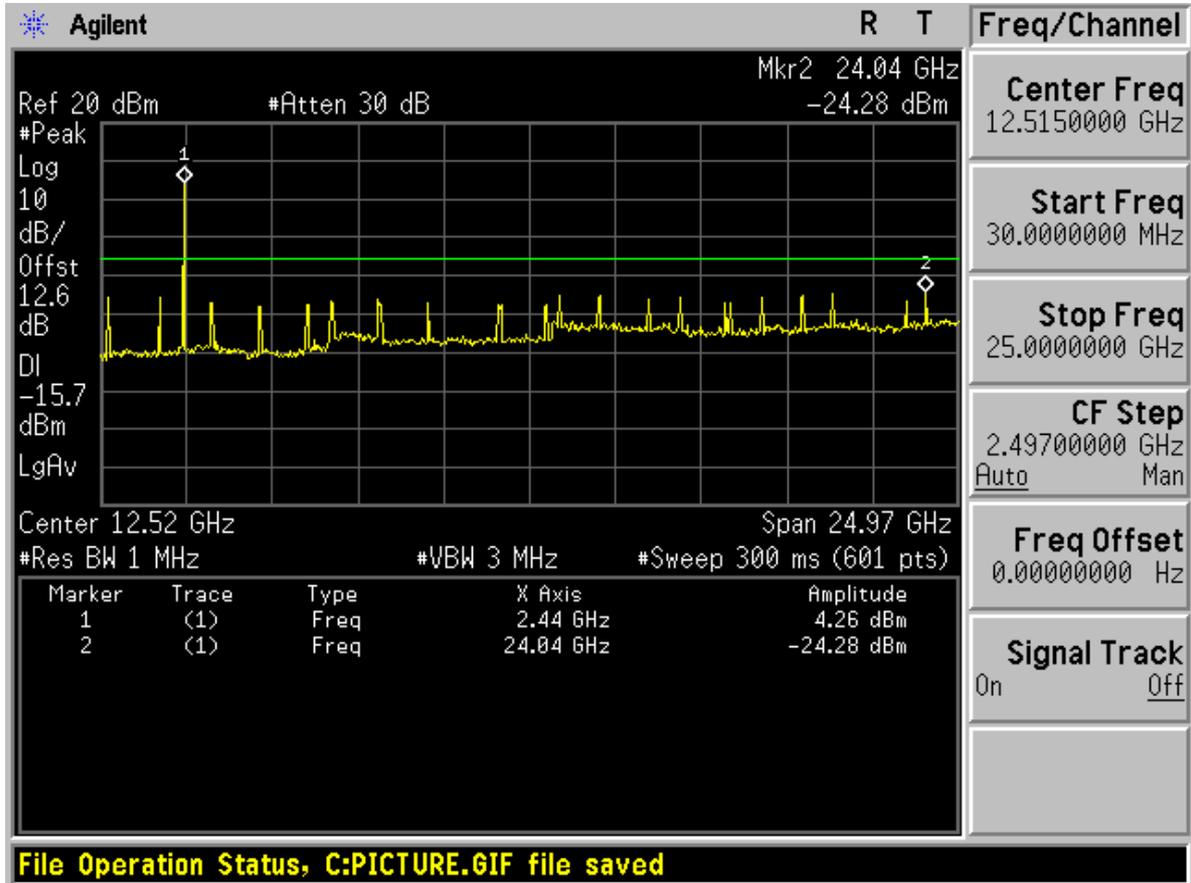




Channel 40

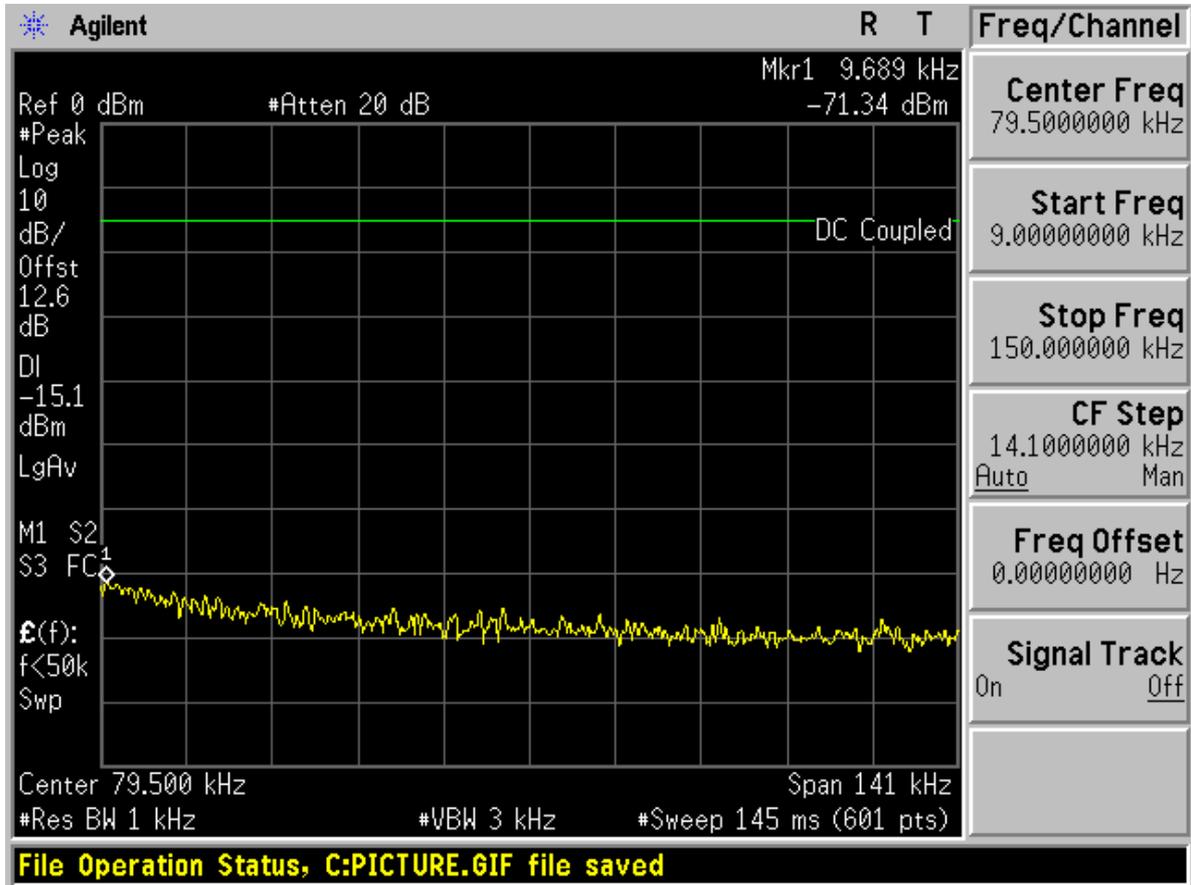


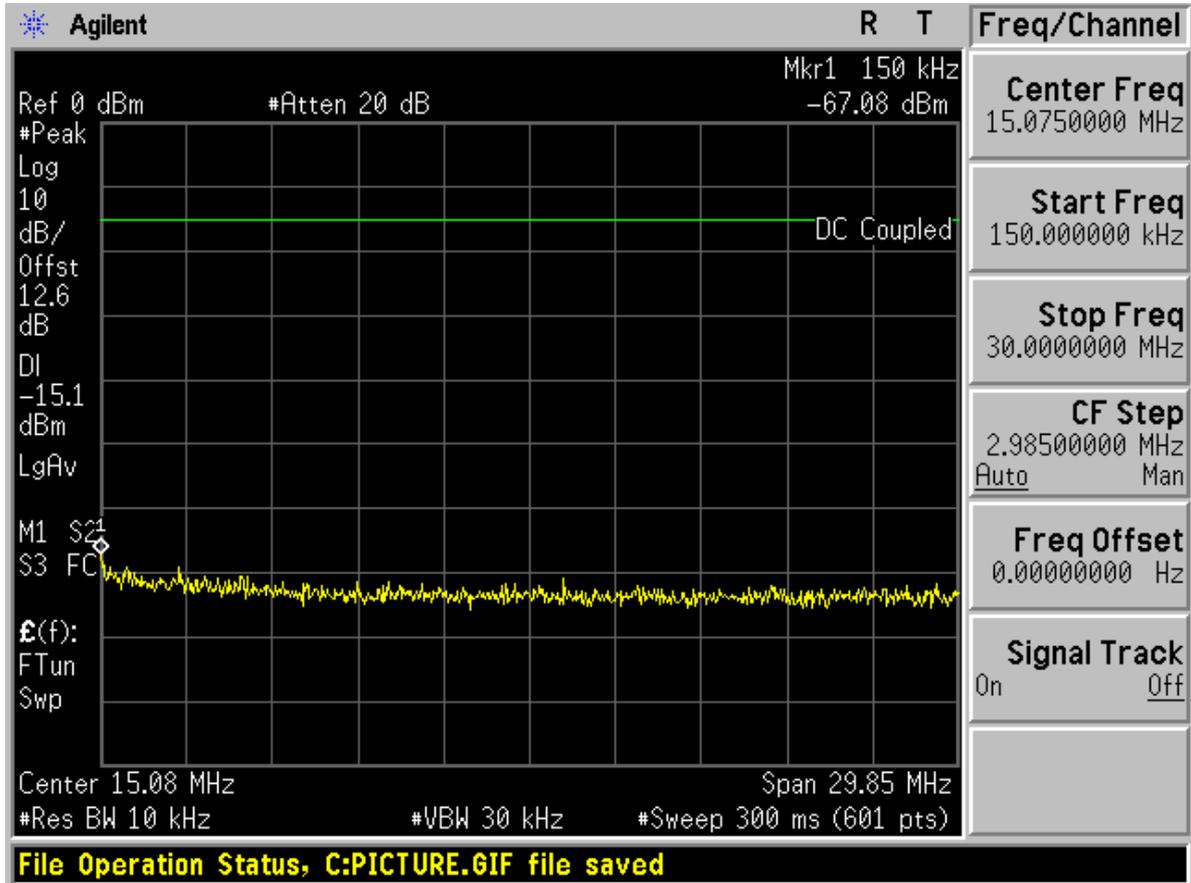


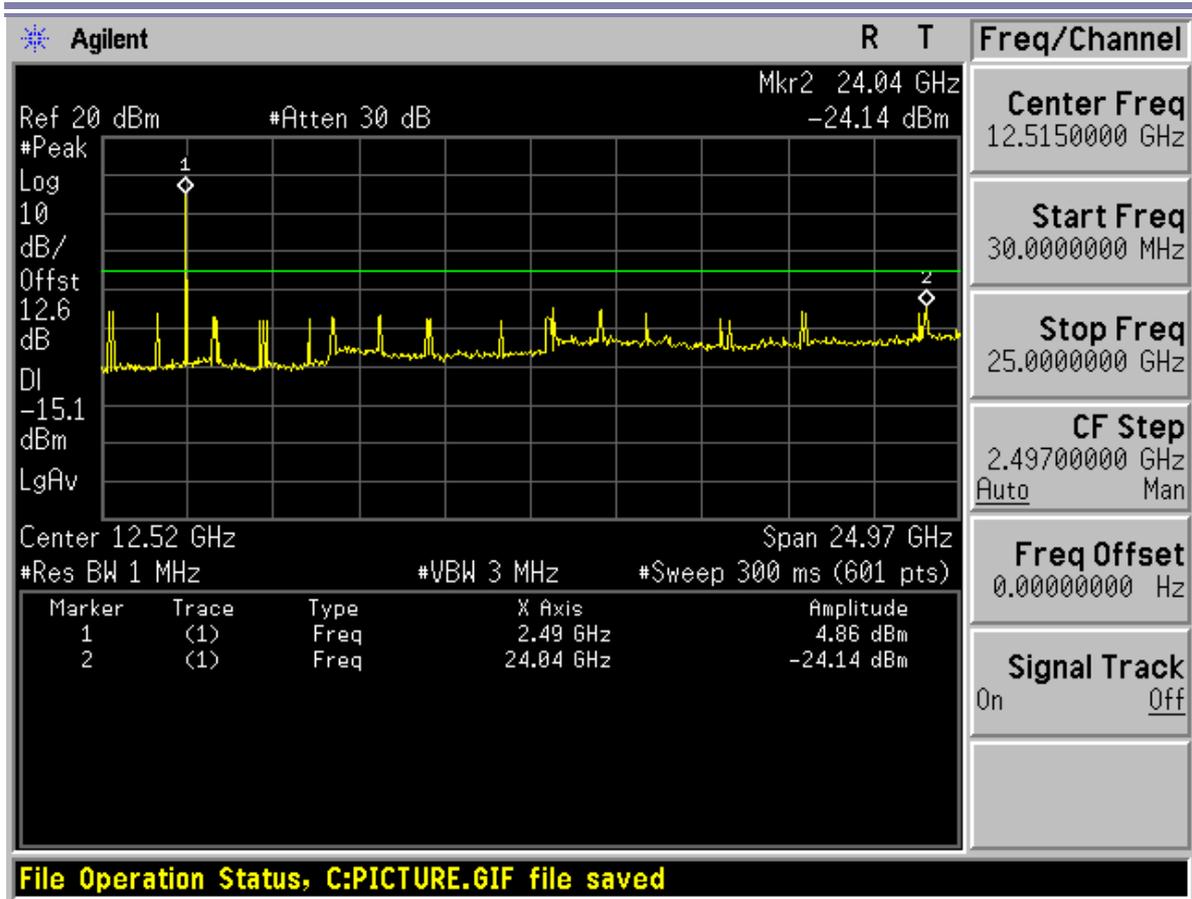




Channel 78









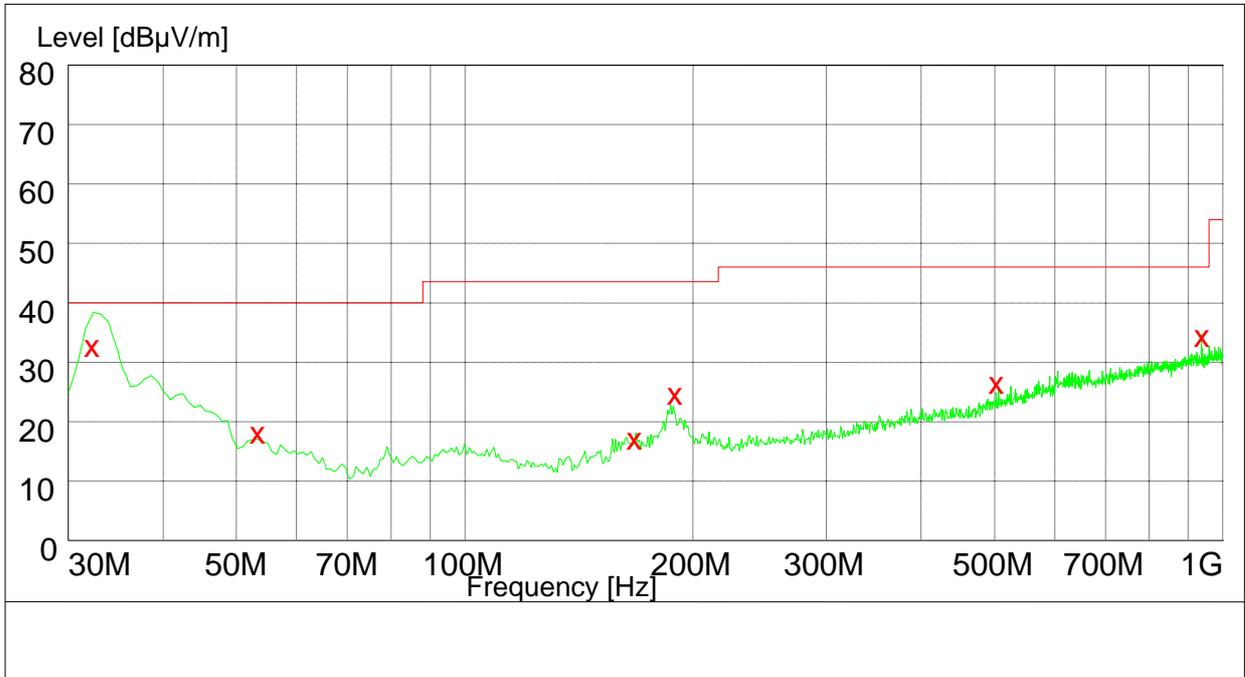
Appendix H

Radiated spurious emission

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



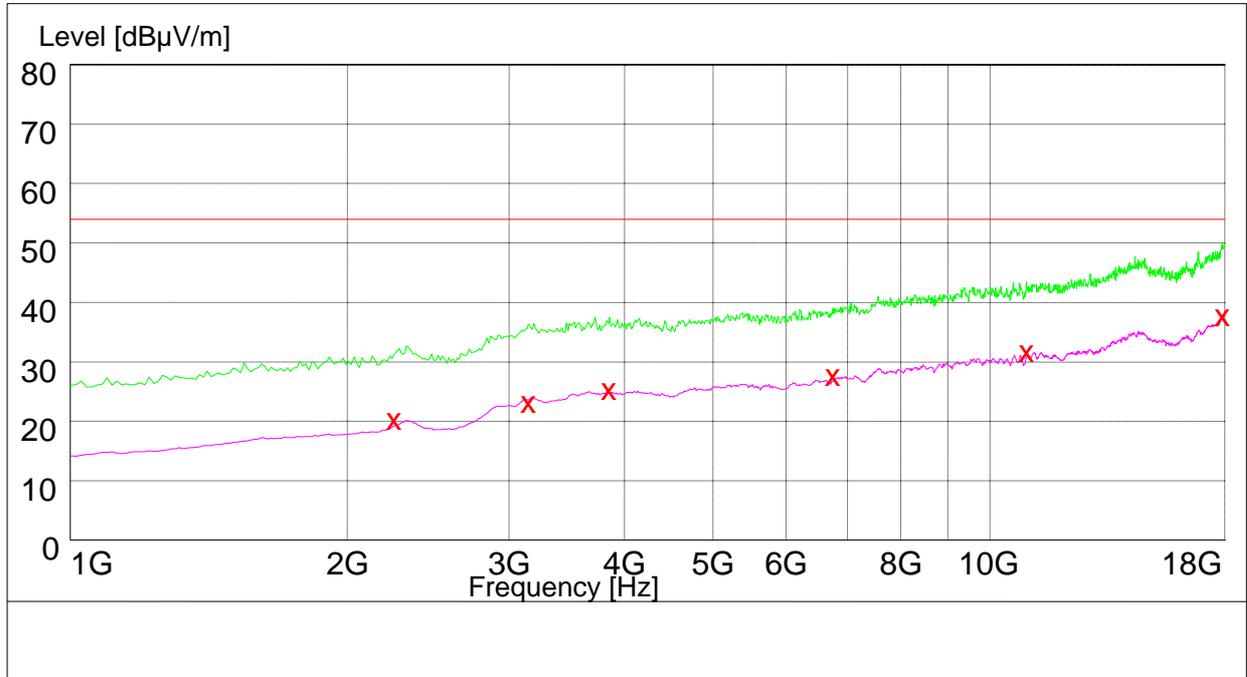
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
32.180000	34.60	11.7	40.0	5.4	159.0	313.00	VERTICAL
53.220000	19.70	12.7	40.0	20.3	142.0	296.00	VERTICAL
167.340000	18.60	9.9	43.5	24.9	114.0	102.00	HORIZONTAL
188.780000	22.70	11.6	43.5	20.8	102.0	107.00	HORIZONTAL
520.300000	27.80	20.8	46.0	18.2	211.0	25.00	VERTICAL
938.220000	35.90	26.5	46.0	10.1	218.0	202.00	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
2331.500000	19.50	-11.7	54.0	34.5	153.0	336.00	VERTICAL
3145.000000	22.80	-8.5	54.0	31.2	106.0	83.00	VERTICAL
3850.500000	24.00	-6.2	54.0	30.0	102.0	51.00	HORIZONTAL
6744.400000	26.40	-0.6	54.0	27.6	156.0	138.00	HORIZONTAL
10968.500000	30.10	6.6	54.0	23.9	138.0	330.00	VERTICAL
17892.500000	36.50	16.5	54.0	17.5	114.0	11.00	VERTICAL

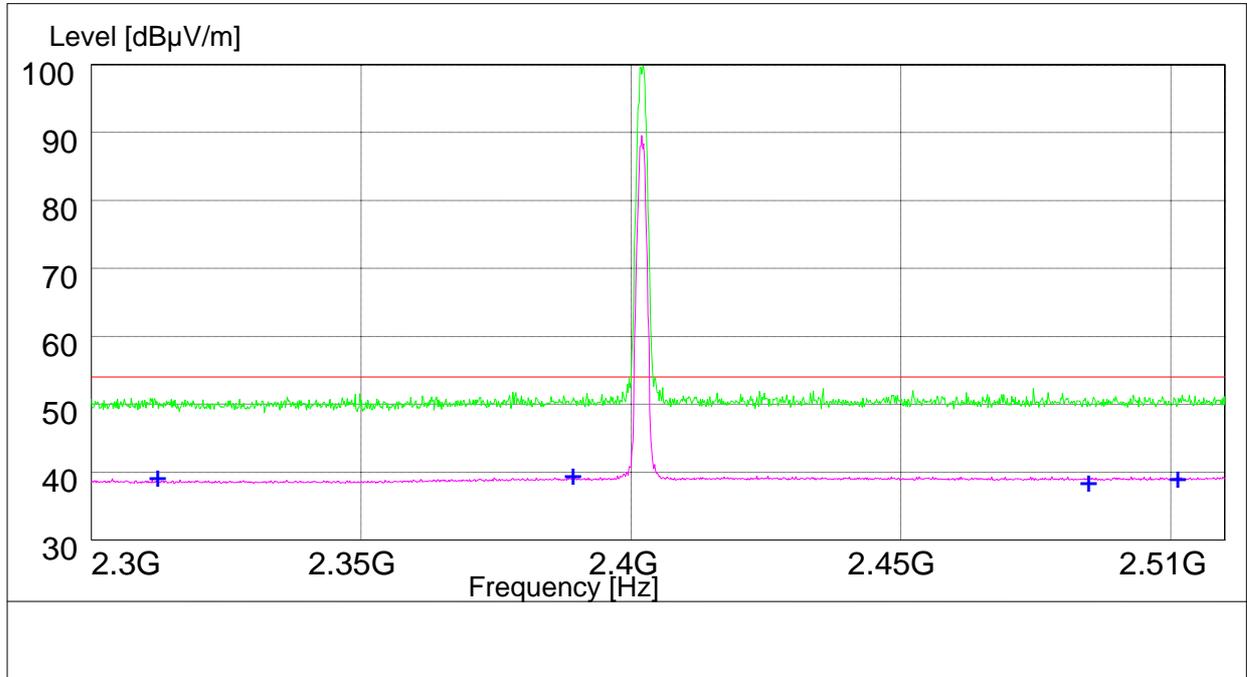


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz

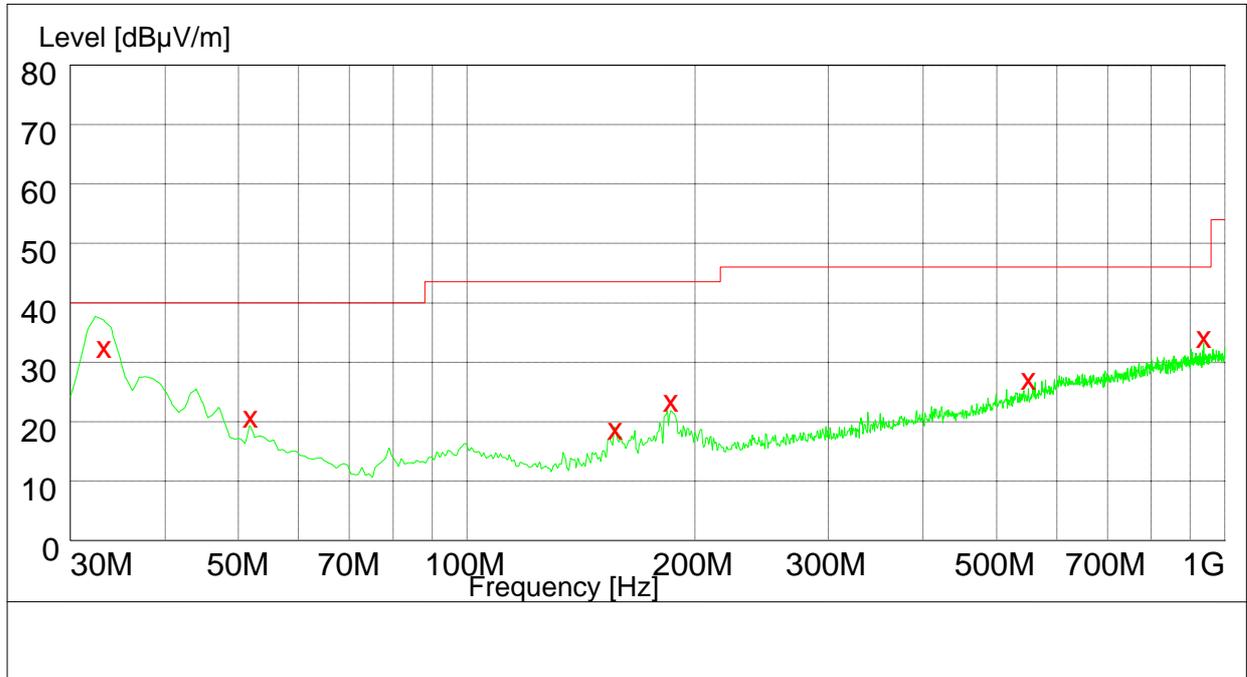


Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.80	33.3	54.0	15.2	114.0	349.00	VERTICAL
2390.000000	38.80	33.5	54.0	15.2	109.0	298.00	VERTICAL
2483.500000	38.50	33.7	54.0	15.5	124.0	298.00	HORIZONTAL
2500.000000	38.70	33.8	54.0	15.3	142.0	102.00	HORIZONTAL



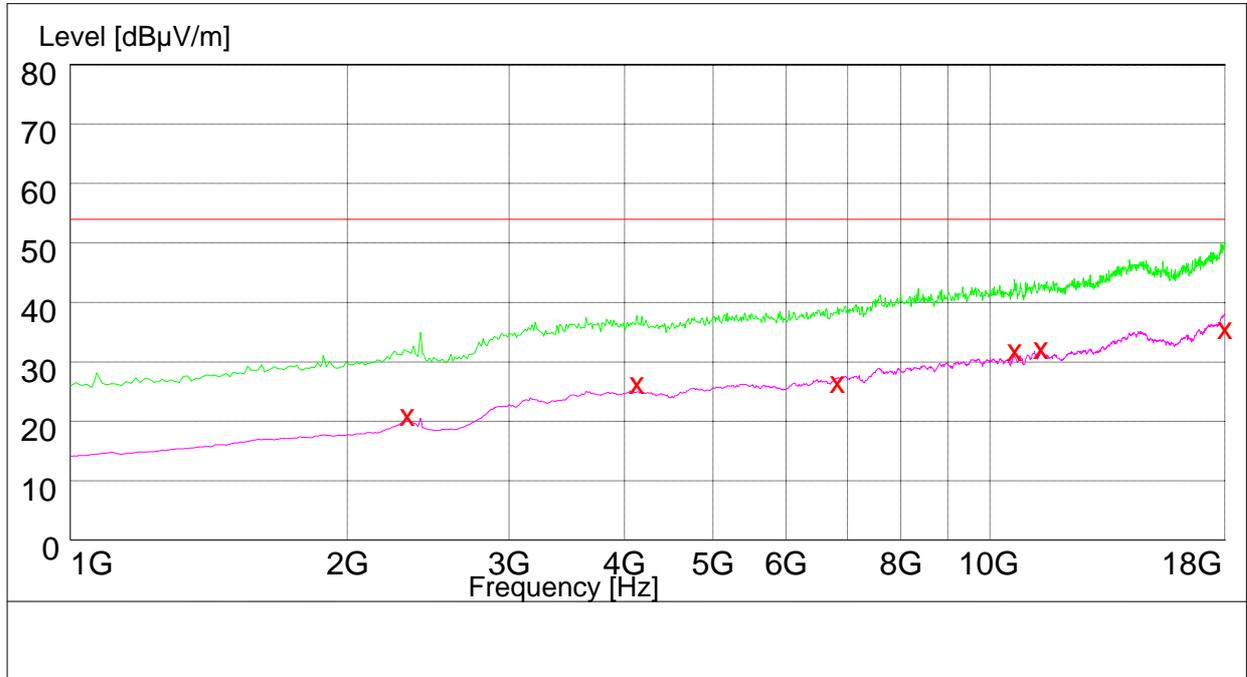
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.180000	34.80	11.7	40.0	5.2	111.0	184.00	VERTICAL
51.060000	20.60	12.7	40.0	19.4	155.0	127.00	HORIZONTAL
156.840000	19.90	9.4	43.5	23.6	153.0	50.00	HORIZONTAL
186.800000	22.60	11.5	43.5	20.9	265.0	153.00	HORIZONTAL
551.040000	28.50	21.4	46.0	17.5	201.0	286.00	HORIZONTAL
938.220000	35.40	26.5	46.0	10.6	101.0	51.00	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
2389.500000	19.90	-11.6	54.0	34.1	150.0	9.00	VERTICAL
4124.800000	24.90	-5.7	54.0	29.1	167.0	320.00	VERTICAL
6824.000000	27.00	-0.3	54.0	27.0	190.0	241.00	HORIZONTAL
10632.000000	30.90	6.1	54.0	23.1	154.0	315.00	VERTICAL
11724.500000	31.70	7.0	54.0	22.3	176.0	193.00	VERTICAL
17993.500000	37.20	17.3	54.0	16.8	153.0	60.00	HORIZONTAL

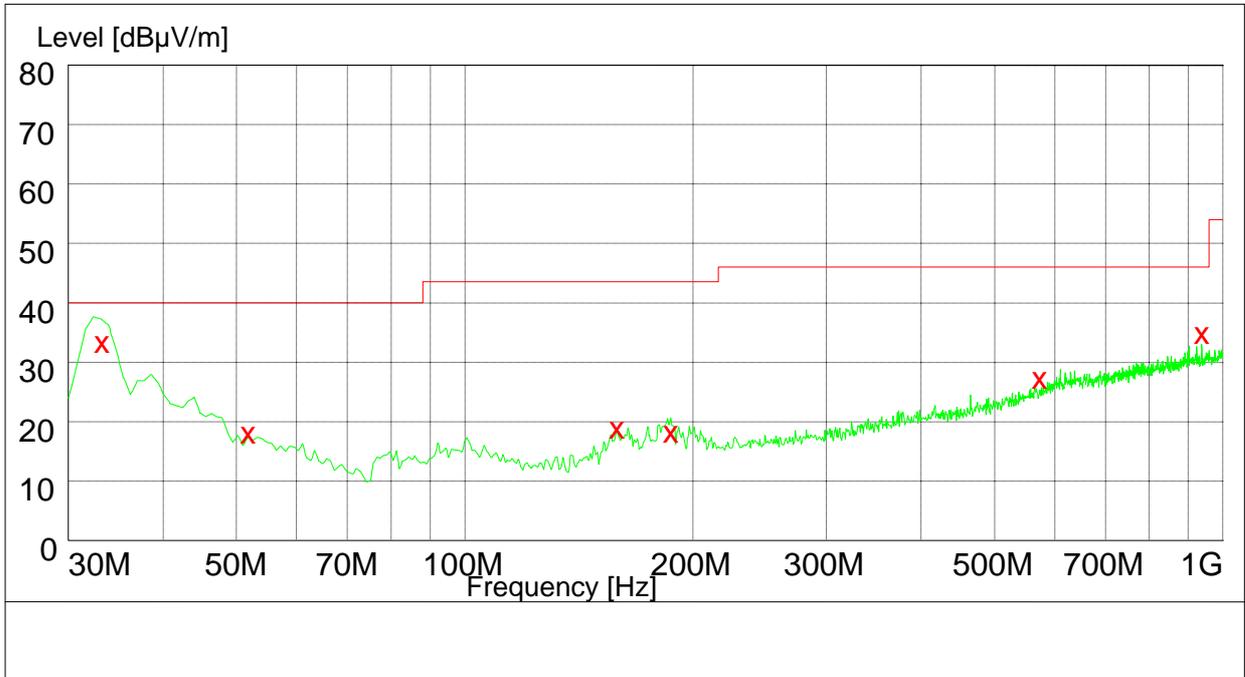


18GHz to 26GHz

Note: No peak found in pre- test.



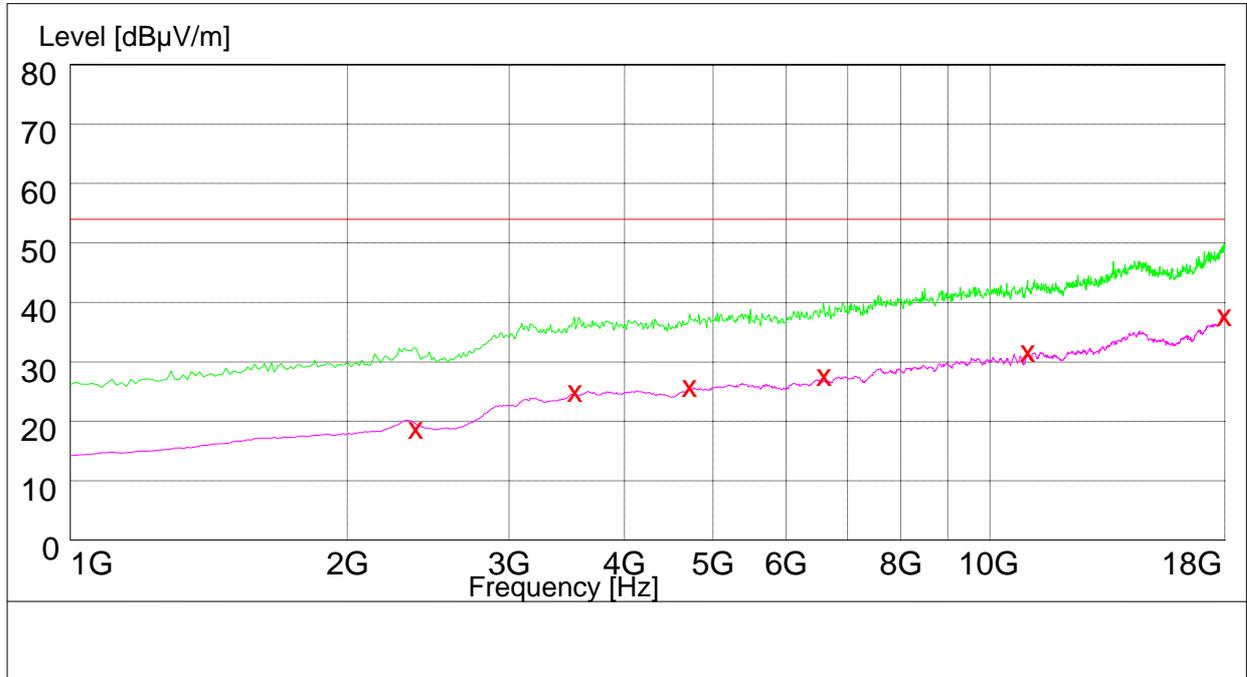
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.180000	34.90	11.7	40.0	5.1	131.0	91.00	HORIZONTAL
51.400000	19.50	12.7	40.0	20.5	129.0	227.00	VERTICAL
160.100000	19.70	9.7	43.5	23.6	226.0	291.00	HORIZONTAL
187.080000	19.80	11.6	43.5	23.7	246.0	209.00	VERTICAL
559.100000	28.70	21.6	46.0	17.3	126.0	30.00	VERTICAL
938.220000	36.50	26.5	46.0	9.5	144.0	77.00	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
2371.500000	19.50	-11.6	54.0	34.5	199.0	194.00	HORIZONTAL
3538.800000	24.30	-7.3	54.0	29.7	143.0	104.00	VERTICAL
4712.700000	25.50	-4.3	54.0	28.5	200.0	64.00	HORIZONTAL
6598.500000	26.50	-0.8	54.0	27.5	143.0	312.00	VERTICAL
10989.000000	30.50	6.7	54.0	23.5	181.0	123.00	VERTICAL
17973.500000	37.40	17.1	54.0	16.6	102.0	281.00	VERTICAL

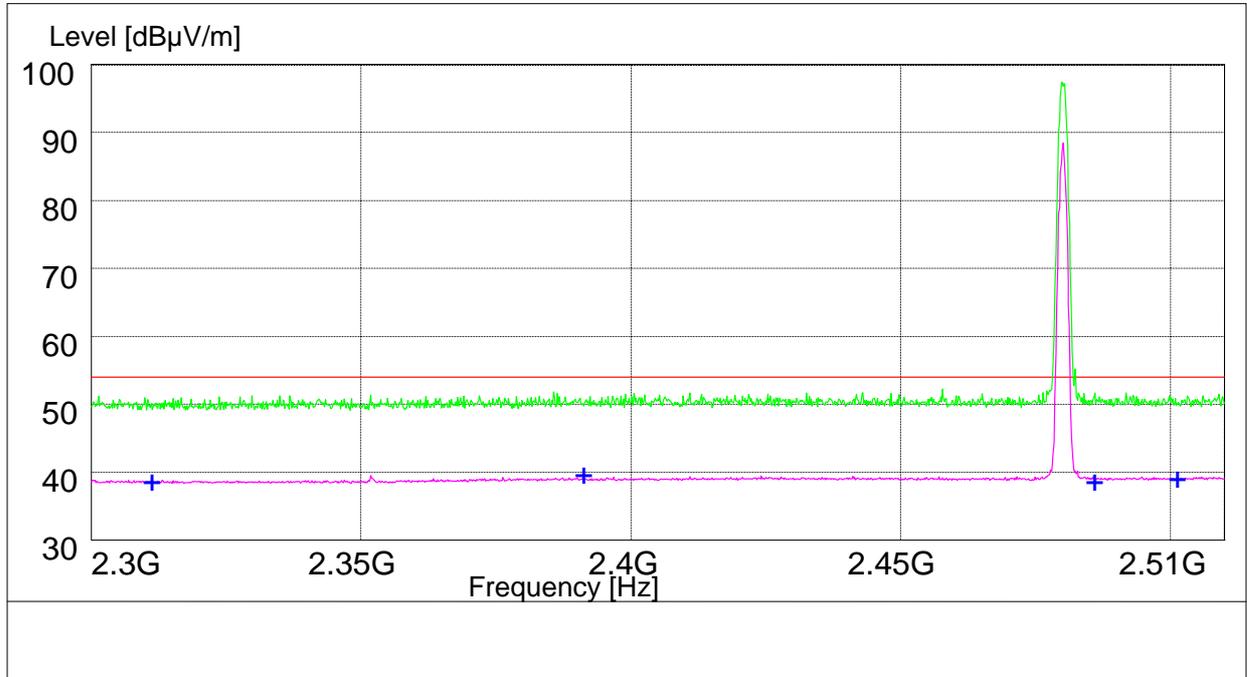


18GHz to 26GHz

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	39.00	33.3	54.0	15.0	101.0	126.00	VERTICAL
2390.000000	39.40	33.5	54.0	14.6	112.0	202.00	HORIZONTAL
2483.500000	39.80	33.7	54.0	14.2	126.0	312.00	HORIZONTAL
2500.000000	39.40	33.8	54.0	14.6	148.0	157.00	VERTICAL



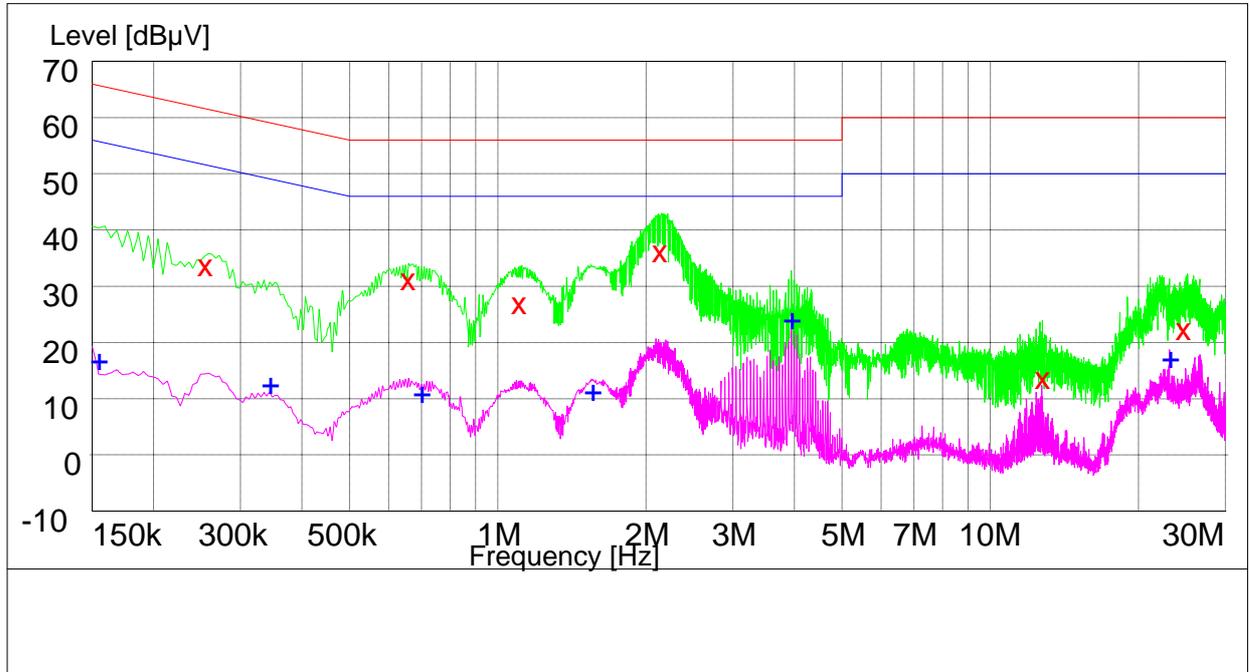
Appendix I

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
0.254000	32.80	10.0	62	29.2	N	FLO
0.656000	31.00	10.1	56	25.0	N	FLO
1.104000	28.60	10.1	56	27.4	N	FLO
2.132000	37.90	10.1	56	18.1	N	FLO
12.766000	15.40	10.3	60	44.6	N	FLO
24.652000	24.00	10.4	60	36.0	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.153000	17.00	10.1	56	39.0	N	FLO
0.344000	13.50	10.0	49	35.5	N	FLO
0.698000	12.60	10.1	46	33.4	N	FLO
1.554000	13.10	10.1	46	32.9	N	FLO
3.940000	25.80	10.2	46	20.2	N	FLO
23.128000	18.90	10.4	50	31.1	N	FLO



Appendix J

Photos of Test Setup



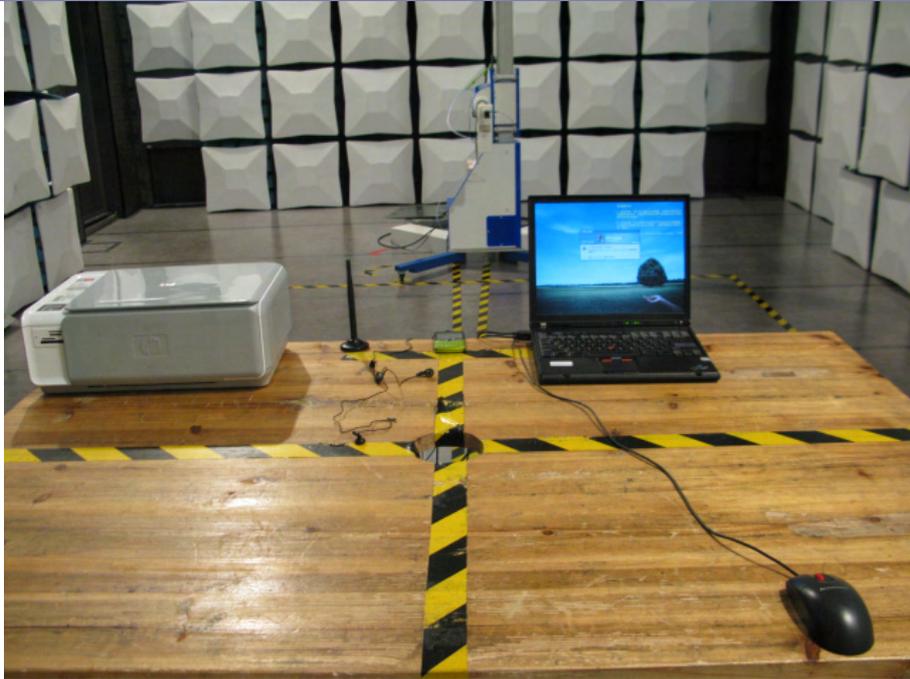
1 Radiated Spurious Emissions



Radiated Spurious Emission (below 2GHz)



Radiated Spurious Emission (2GHz to18GHz)



Radiated Spurious Emission (above 18GHz)

2 Conducted Emissions



Conducted Emissions for AC Ports