



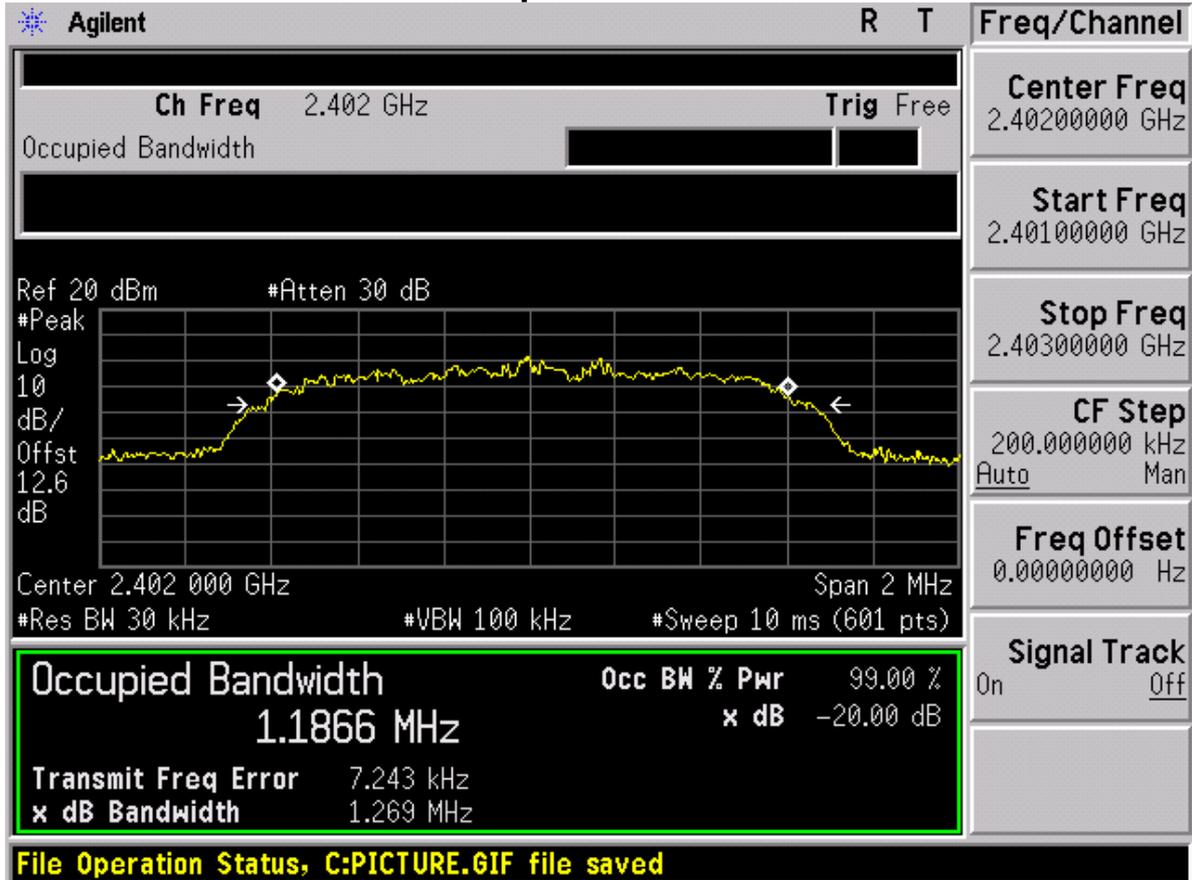
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

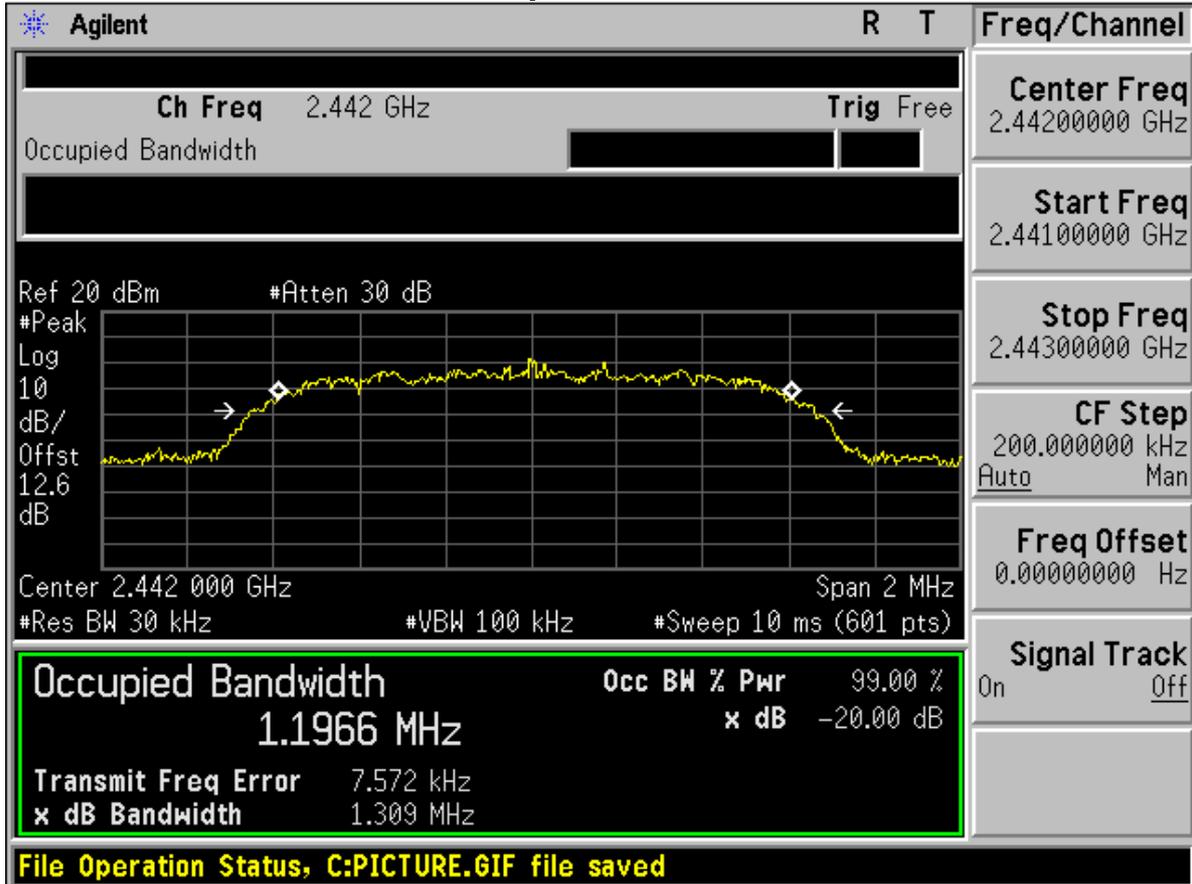


Modulation: $\pi/4$ -DQPSK Channel 0 (2402MHz) Occupied2EDR0



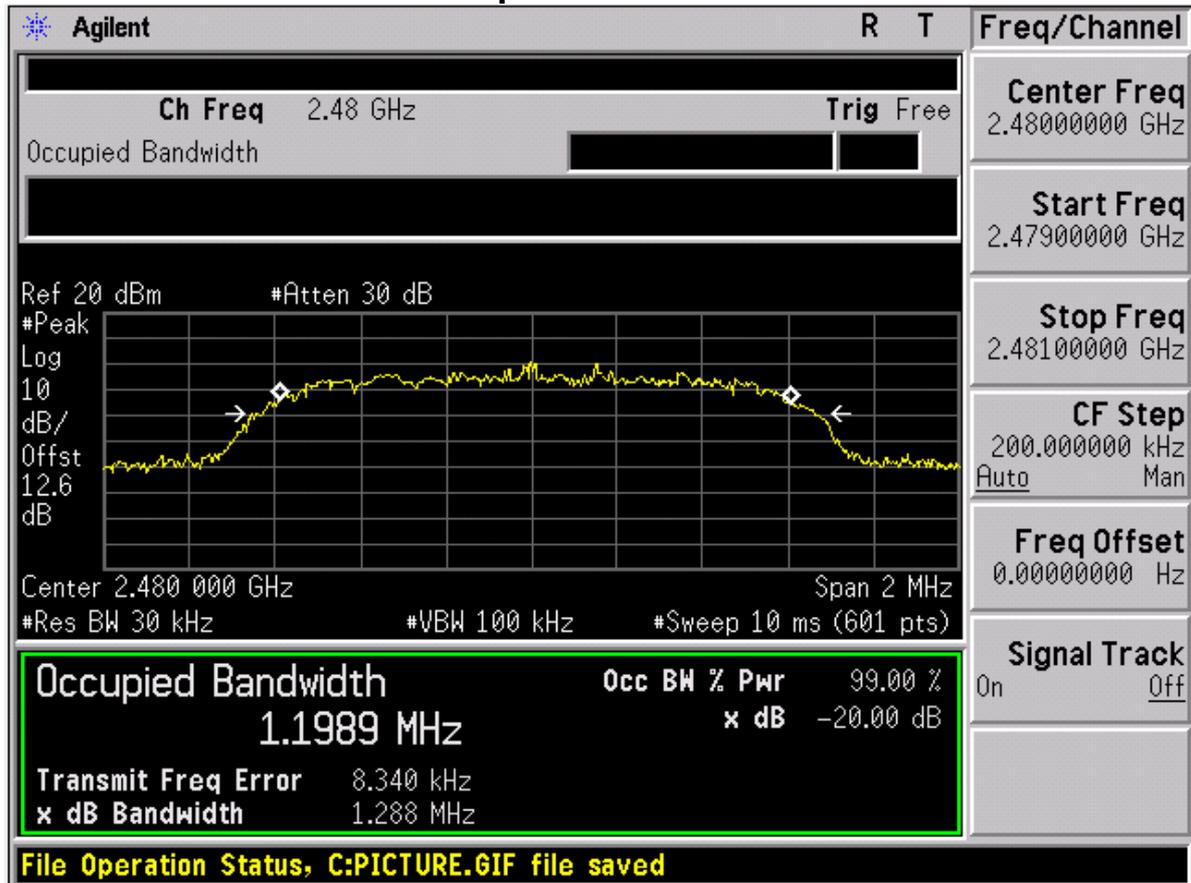


Channel 40 (2442MHz) Occupied2EDR40



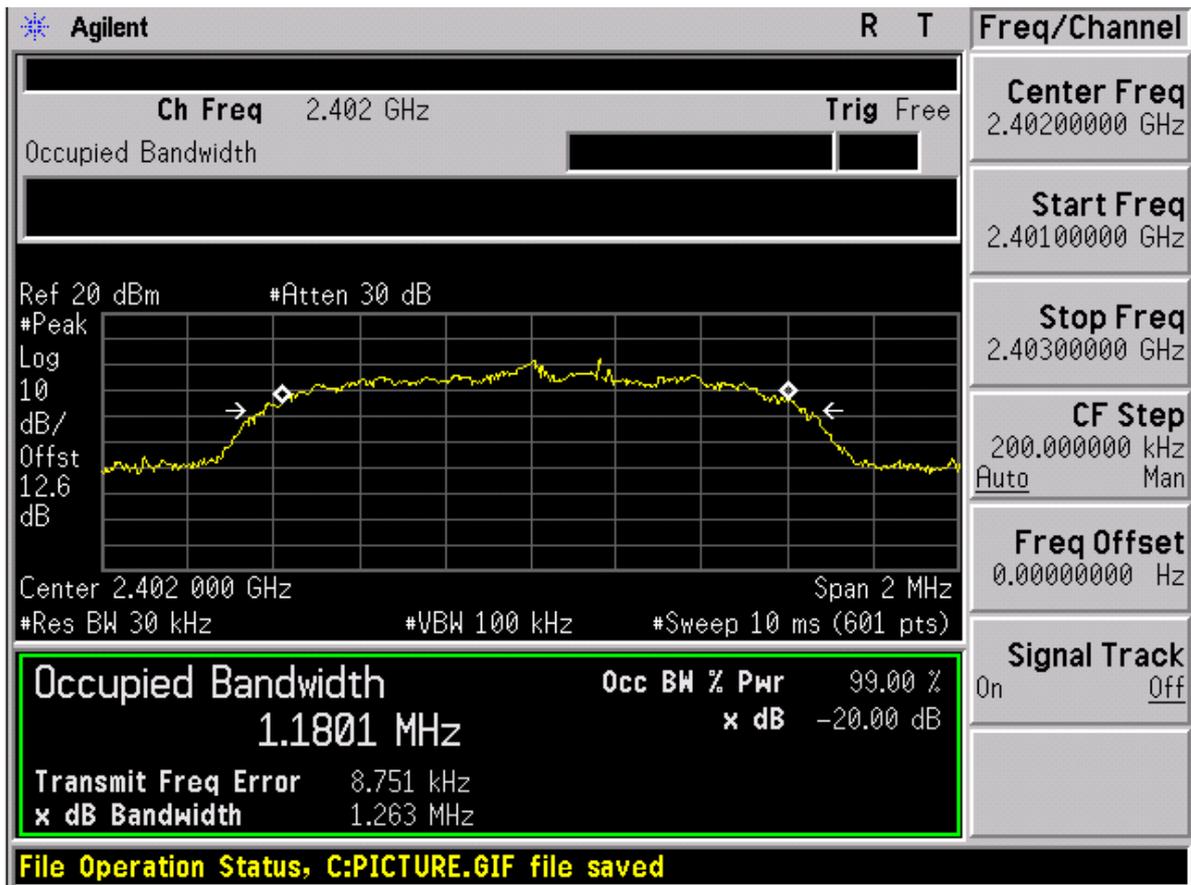


Channel 78 (2480MHz) Occupied2EDR78



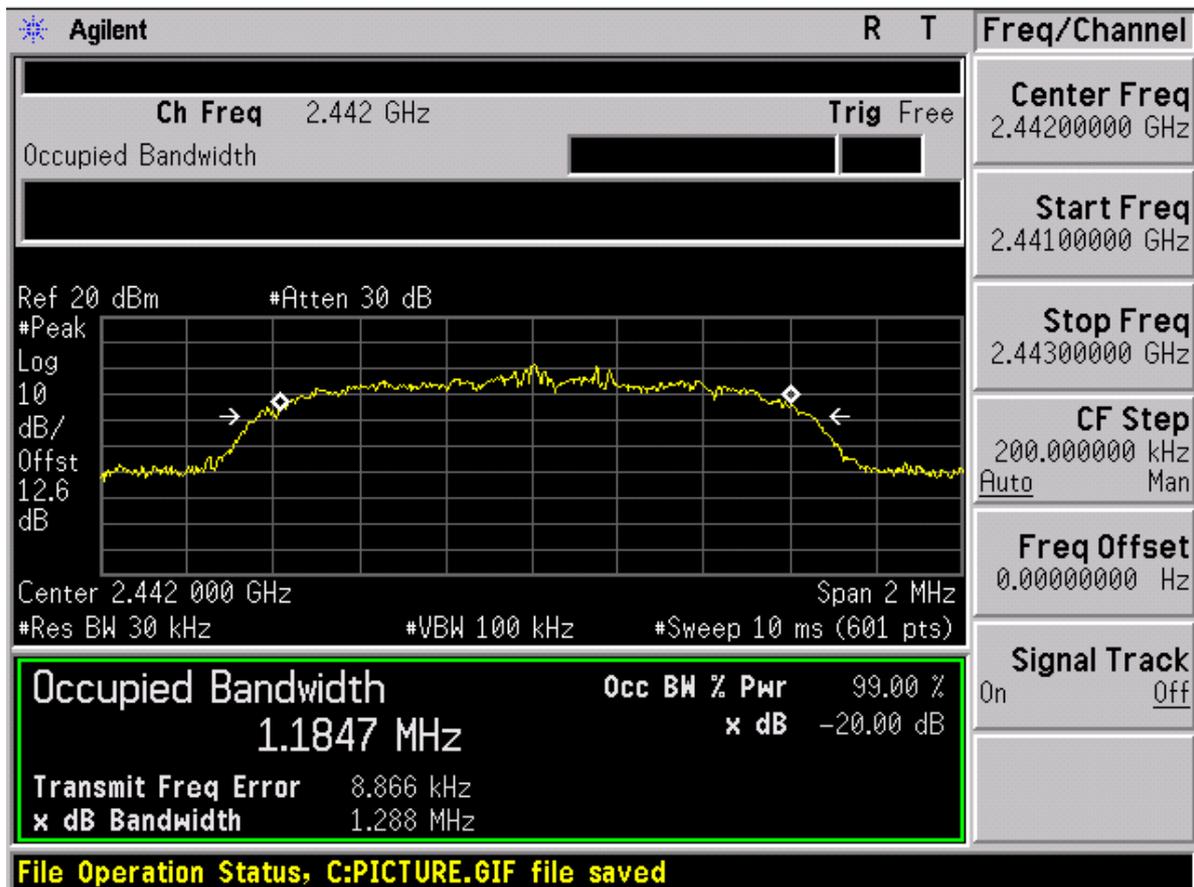


Modulation: 8DPSK Channel 0 (2402MHz) Occupied3EDR0



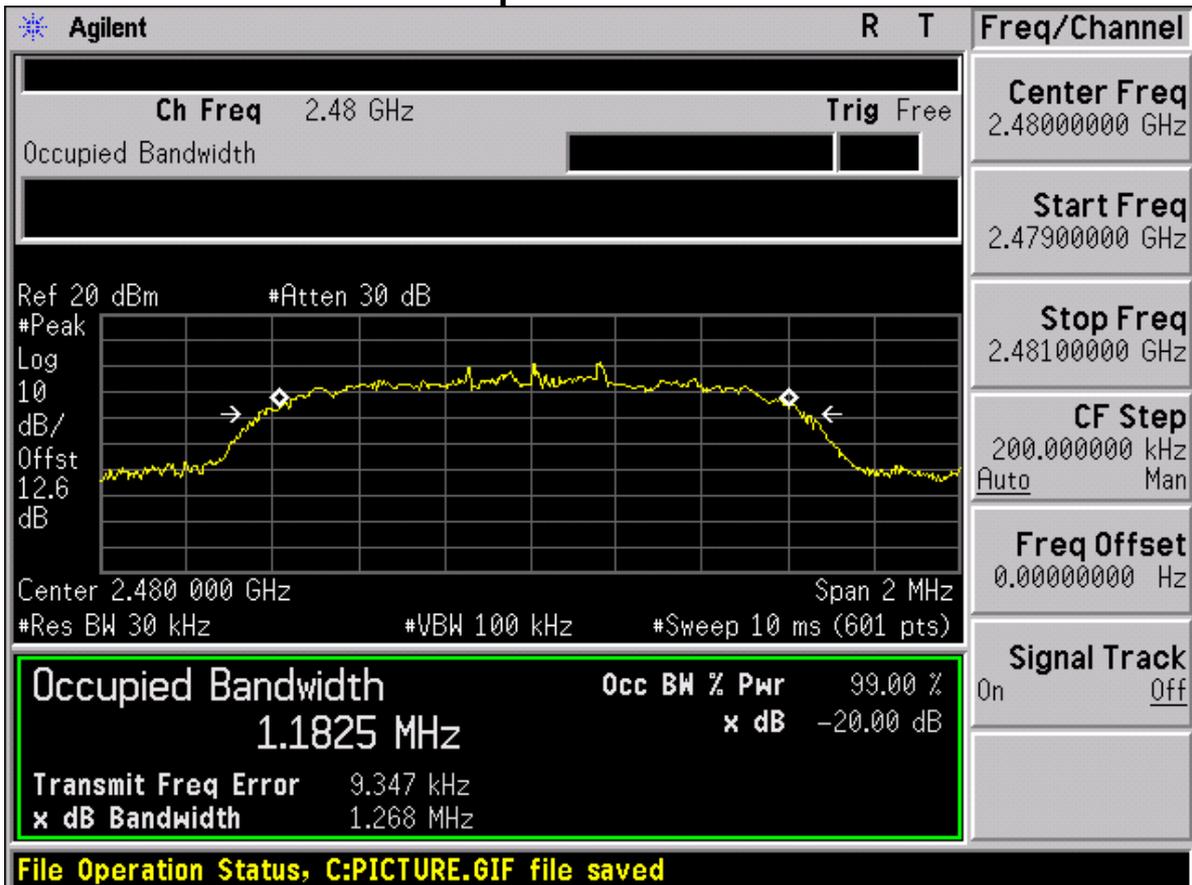


Channel 40 (2442MHz) Occupied3EDR40





Channel 78 (2480MHz) Occupied3EDR78





Appendix B

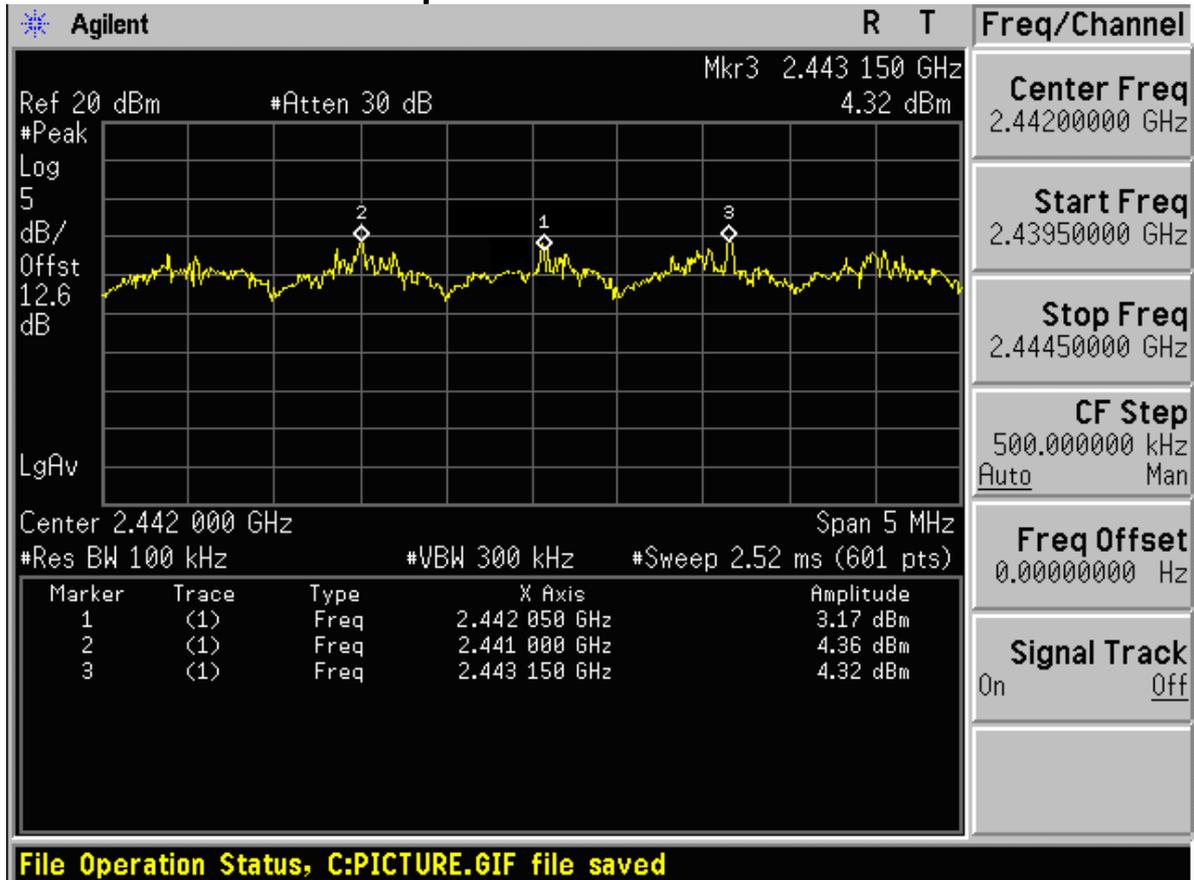
Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



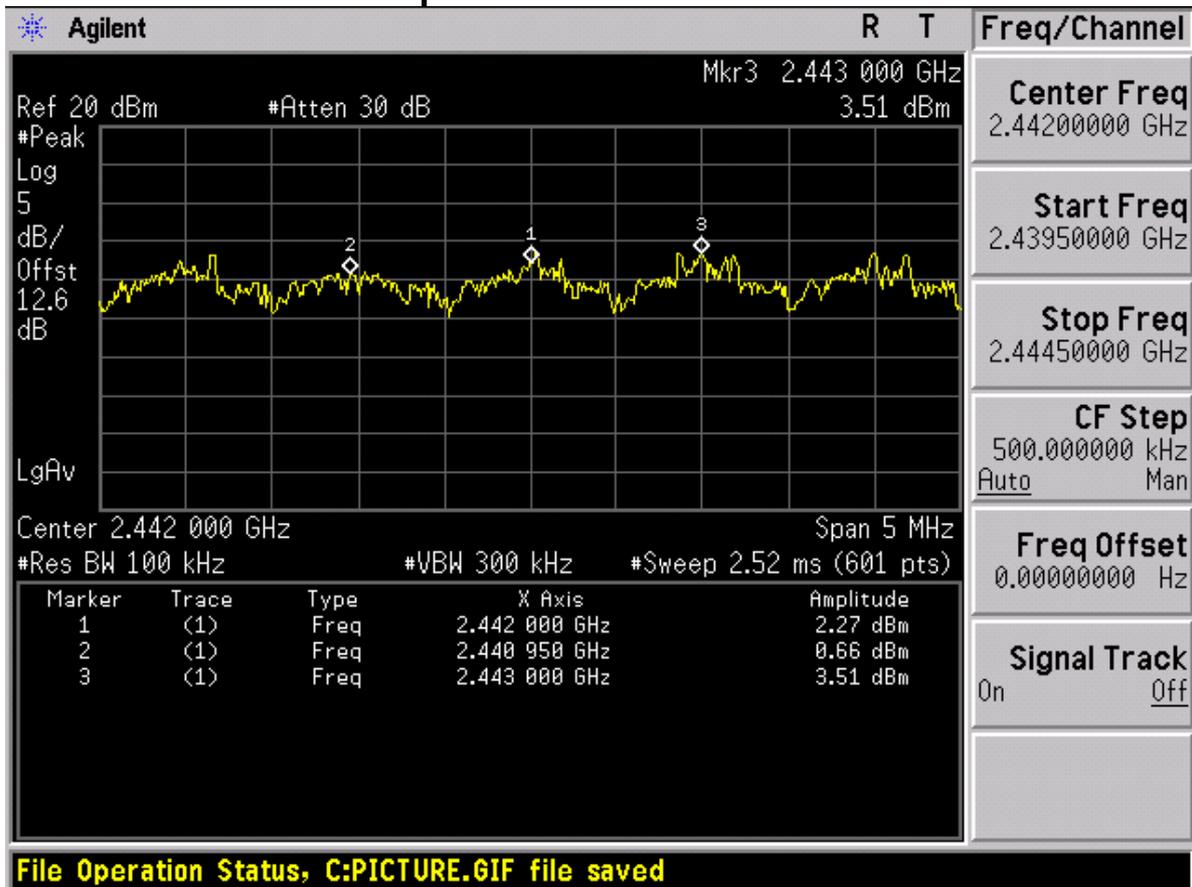
Modulation: $\pi/4$ -DQPSK

Centred at Channel 40
Separation2EDR40





Modulation: 8DPSK Centred at Channel 40 Separation3EDR40





Appendix C

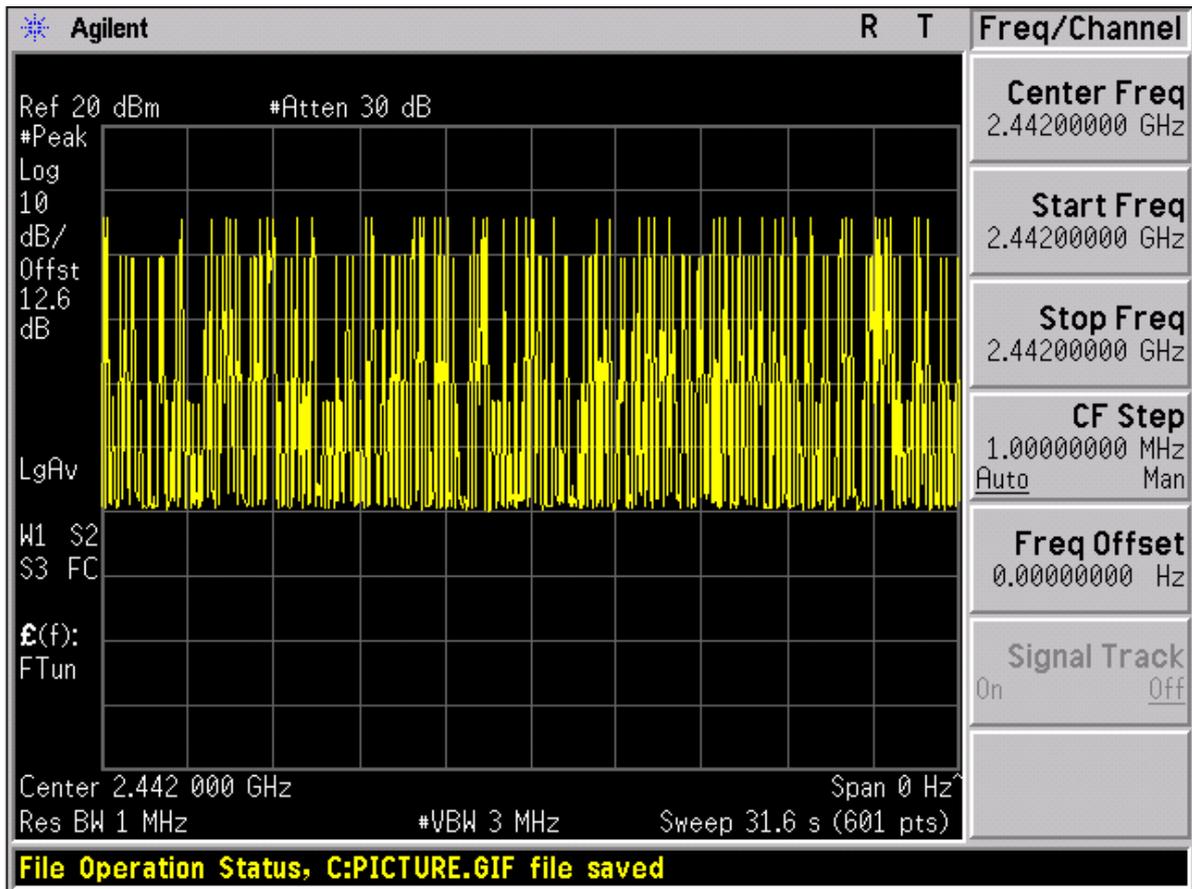
Number of hopping channel

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



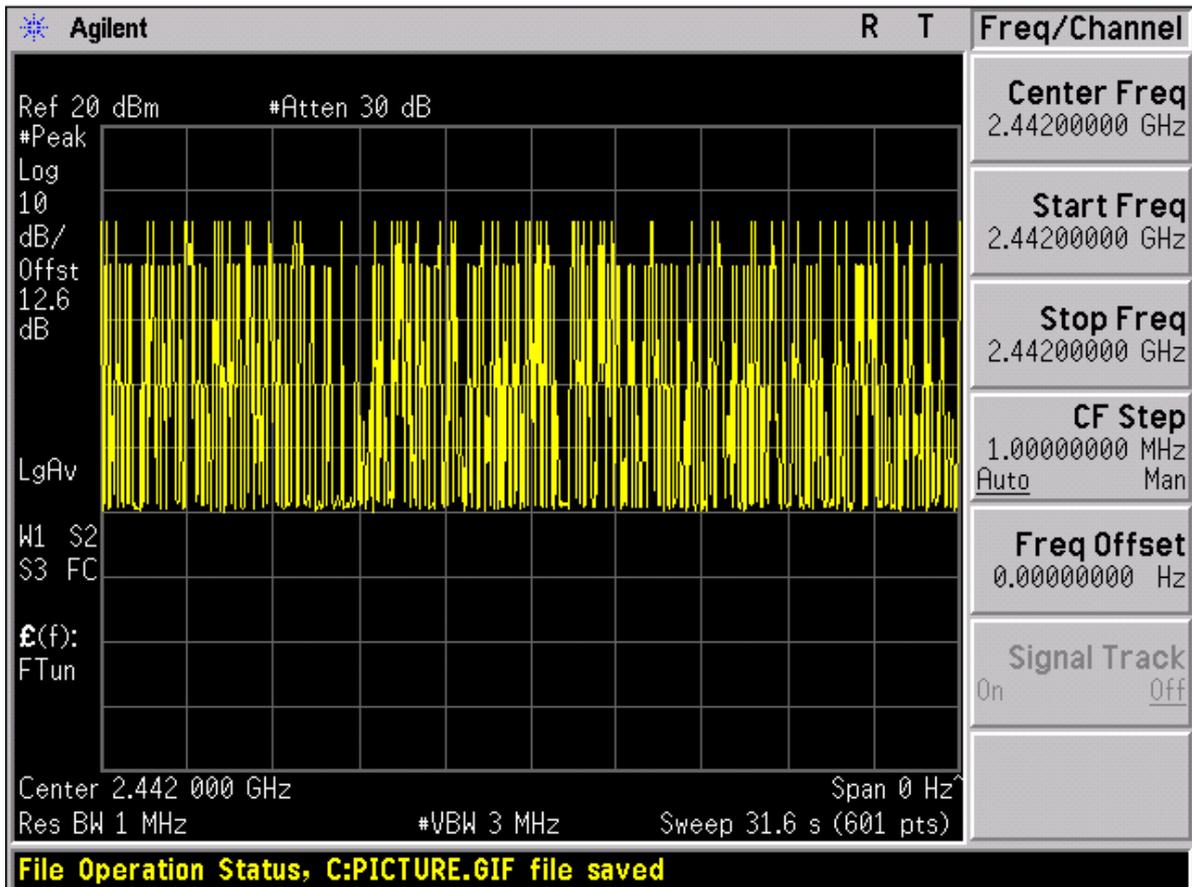
Modulation: $\pi/4$ -DQPSK

Total hopping channels = 79
numberchannel2EDR40





Modulation: 8DPSK
Total hopping channels = 79
numberchannel3EDR40





Appendix D

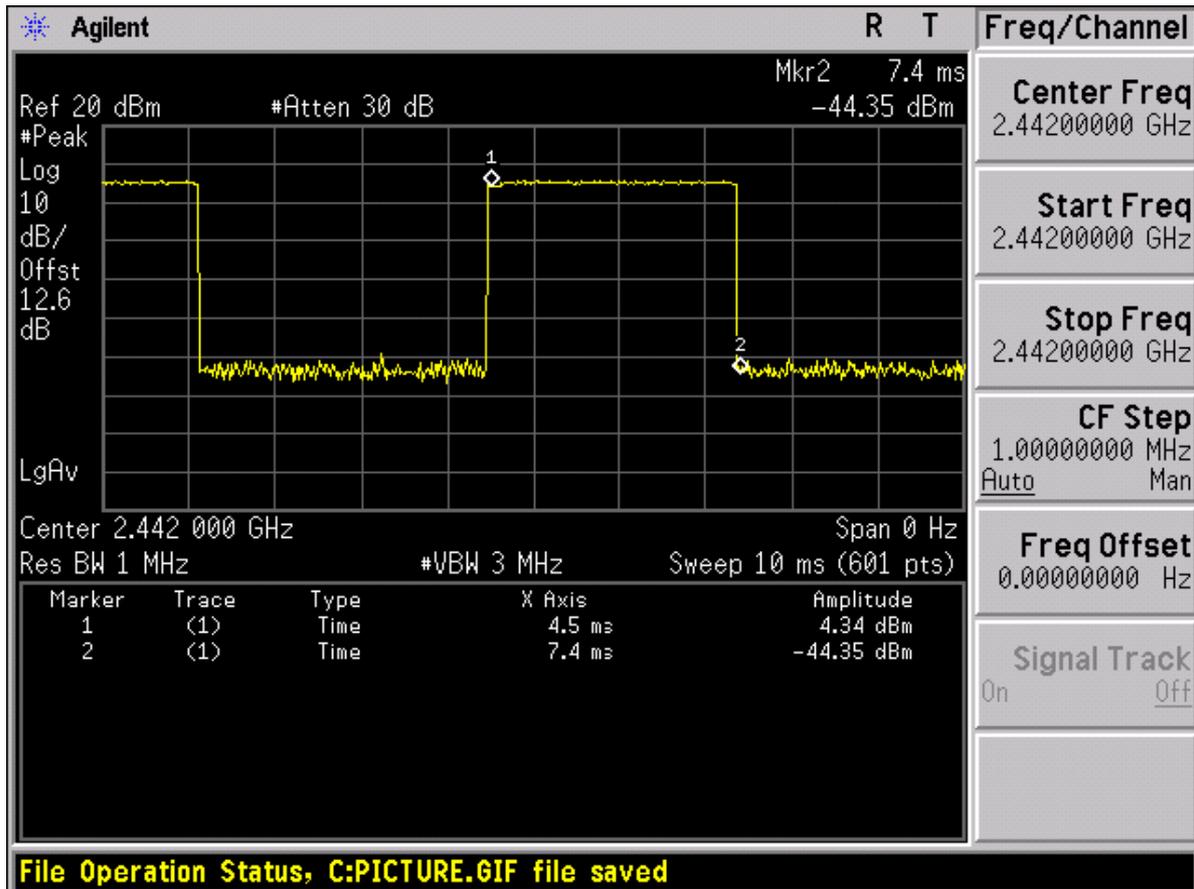
Time of occupancy

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



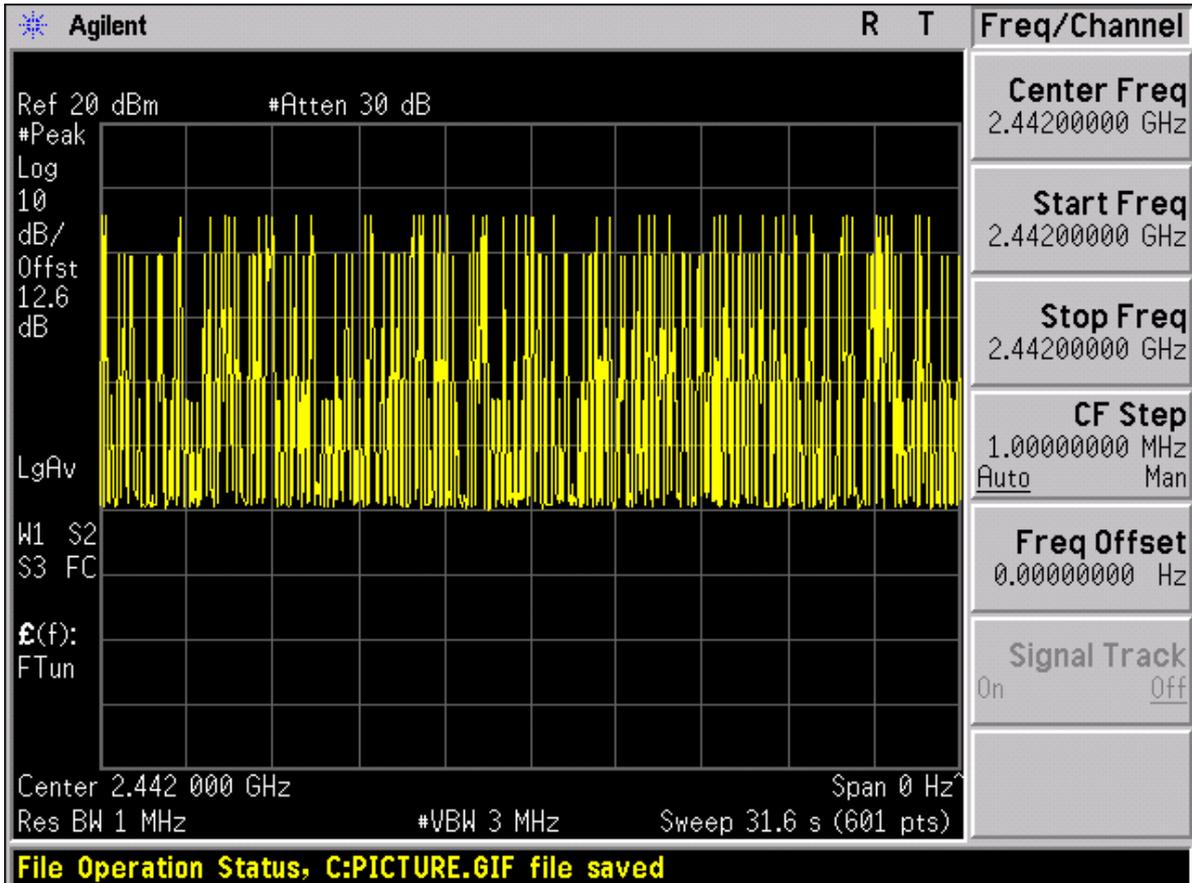
Modulation: $\pi/4$ -DQPSK

A burst (One time slot)
oneburst2EDR40





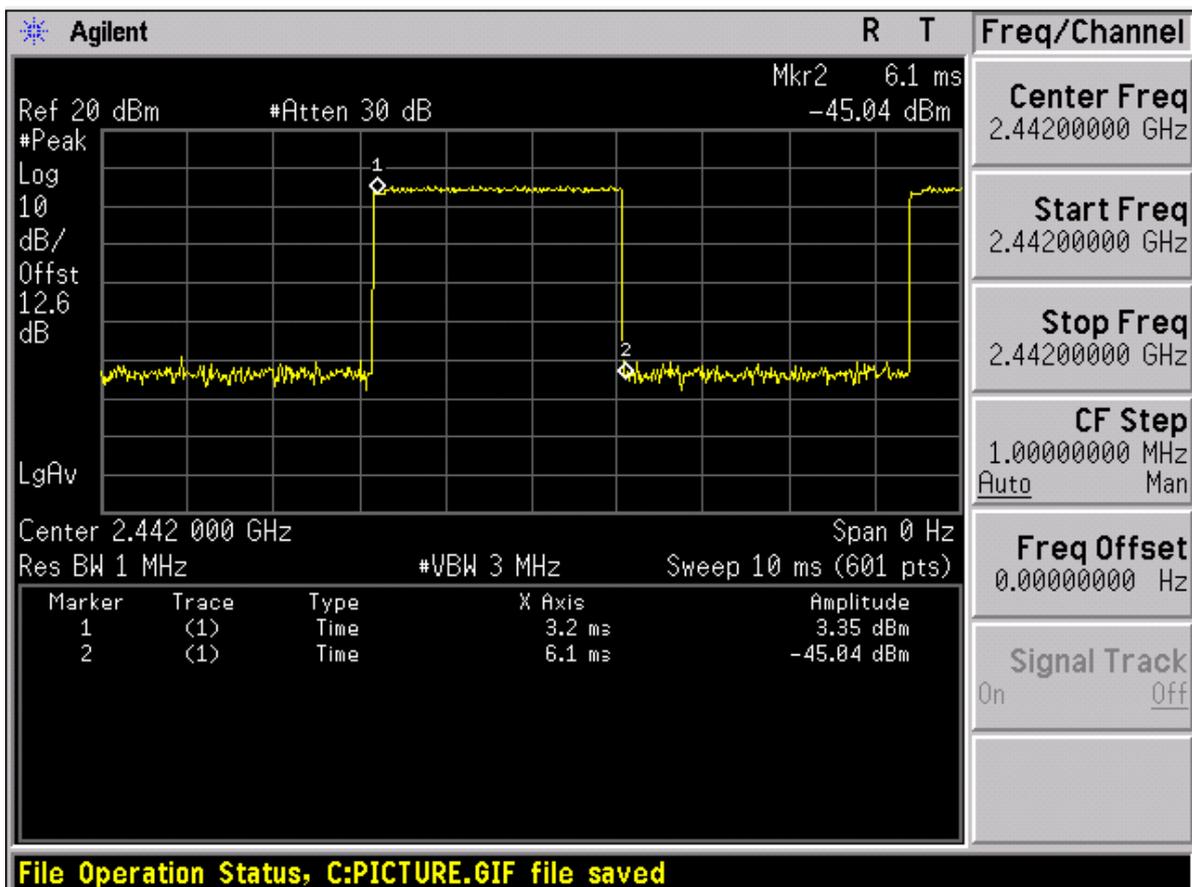
A period (Less than 106.7 burst) numberofperiod2EDR40





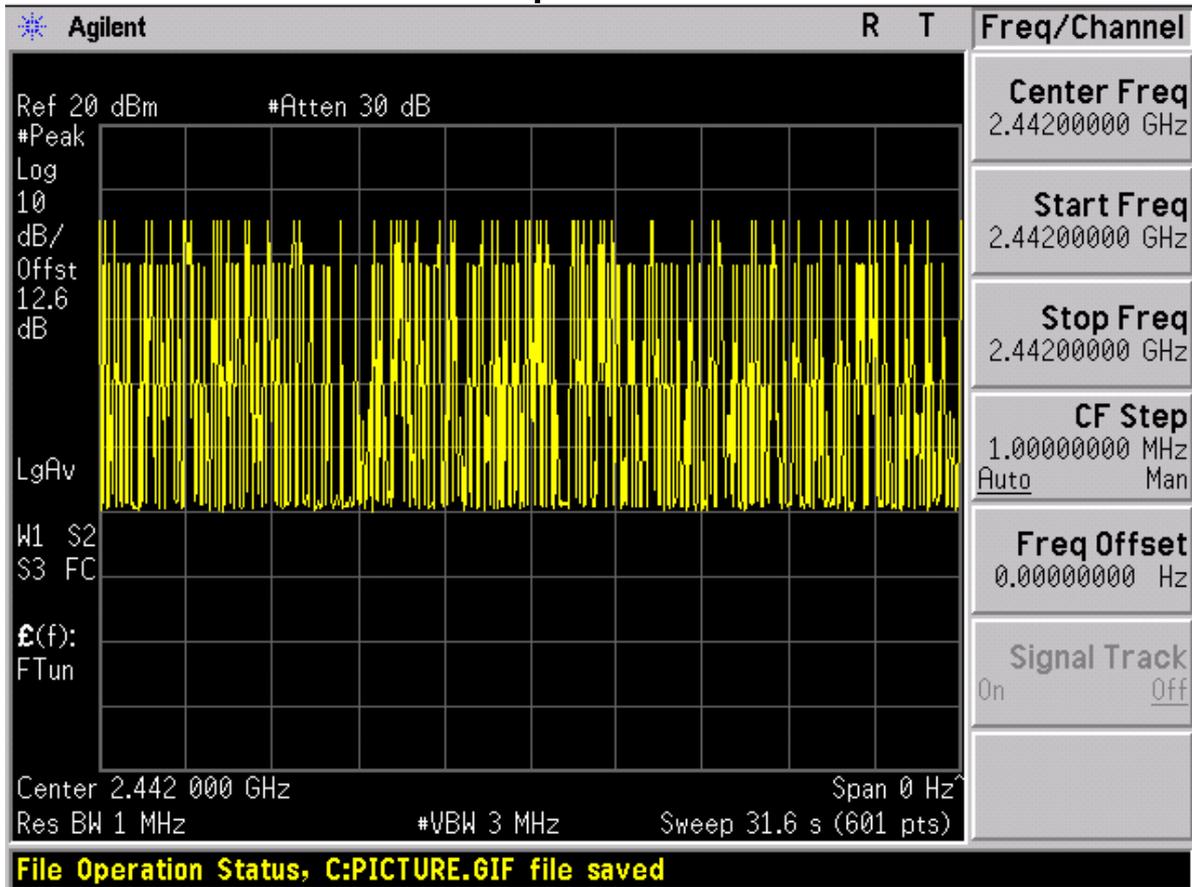
Modulation: 8DPSK

A burst (One time slot)
oneburst3EDR40





A period (Less than 106.7 burst) numberofperiod3EDR40





Appendix E

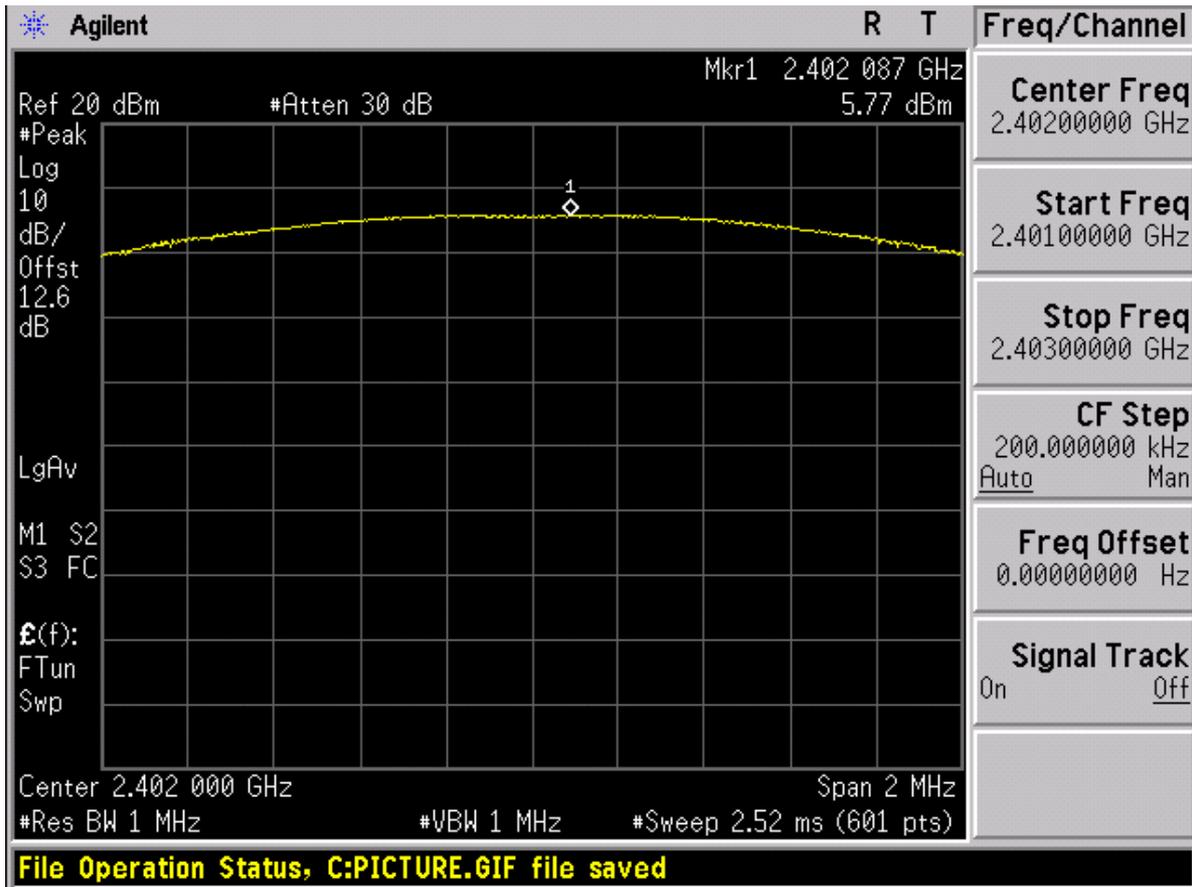
Peak output power

According to FCC Part 15.247 (b) (1)



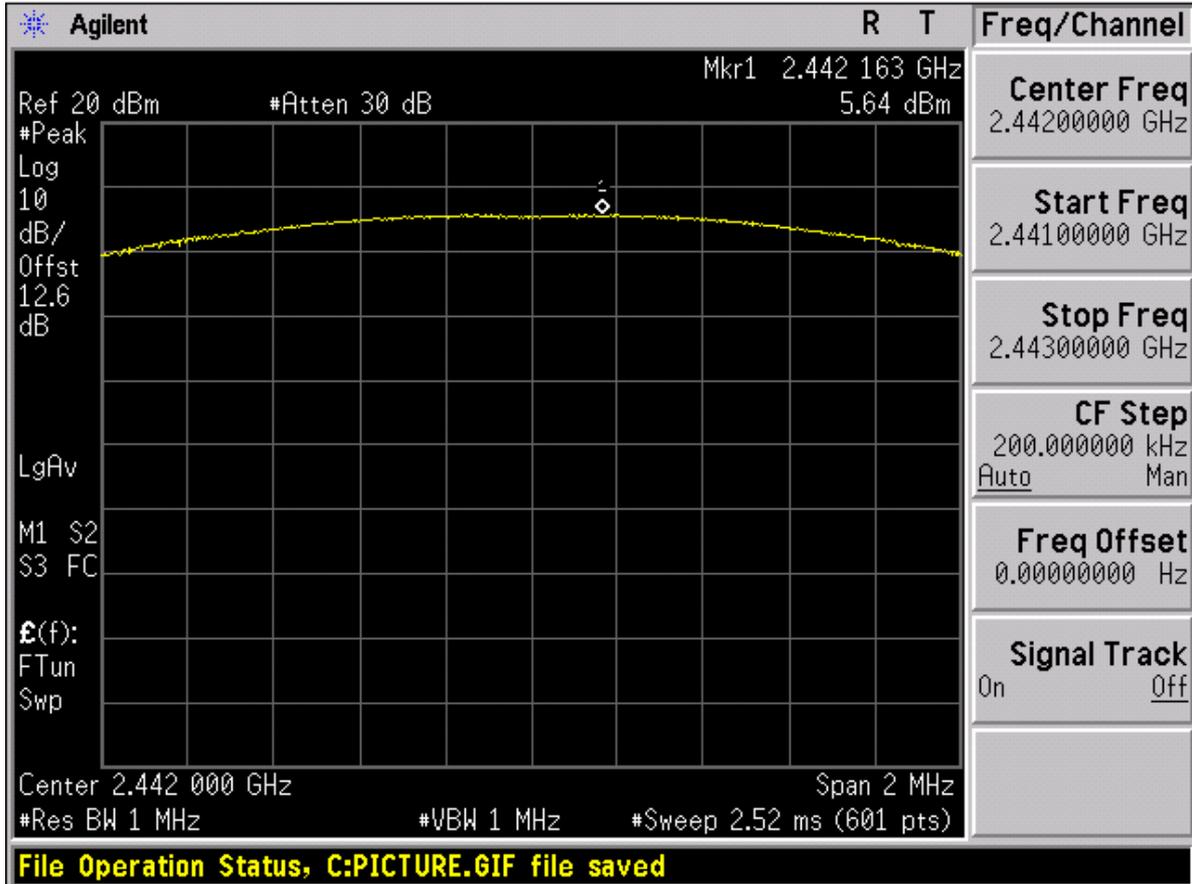
Modulation: $\pi/4$ -DQPSK

Channel 0 (2402MHz) PeakPower2EDR0



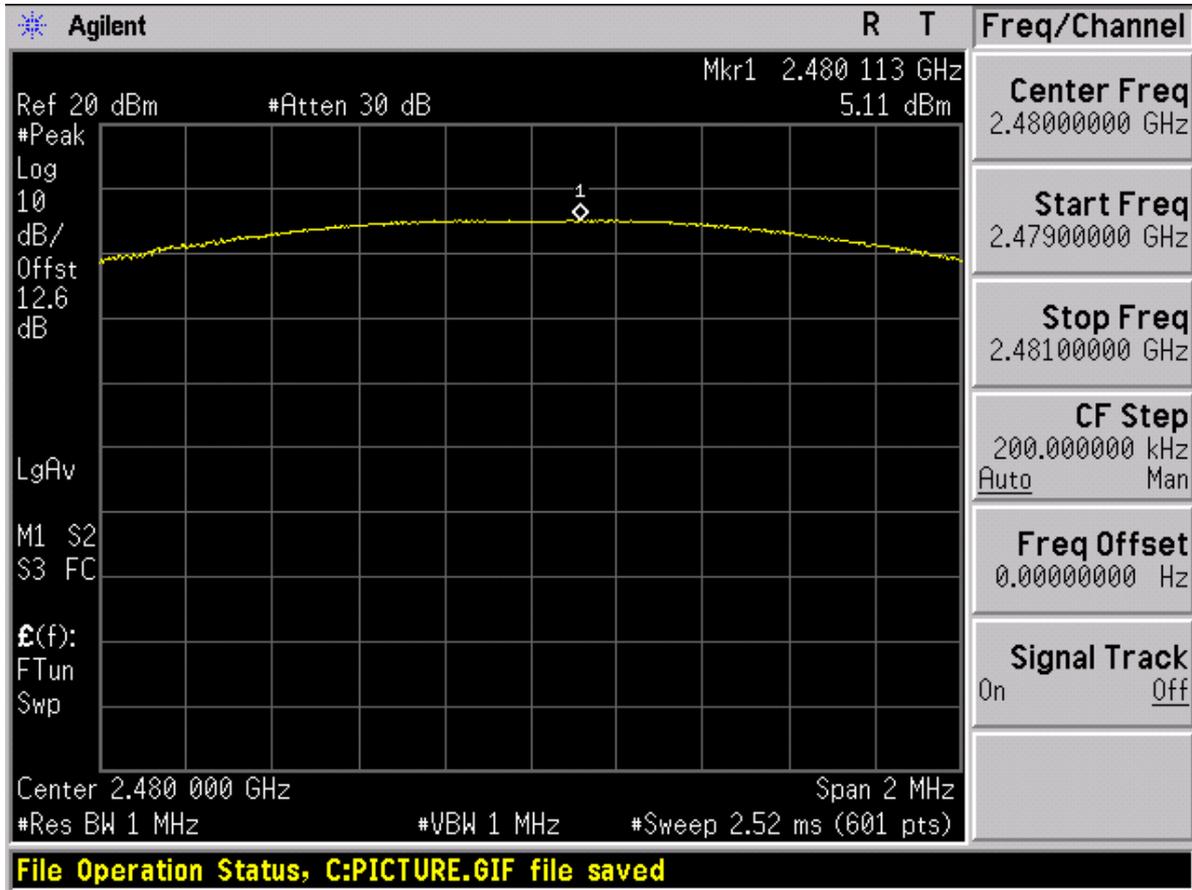


Channel 40 (2442MHz) PeakPower2EDR40



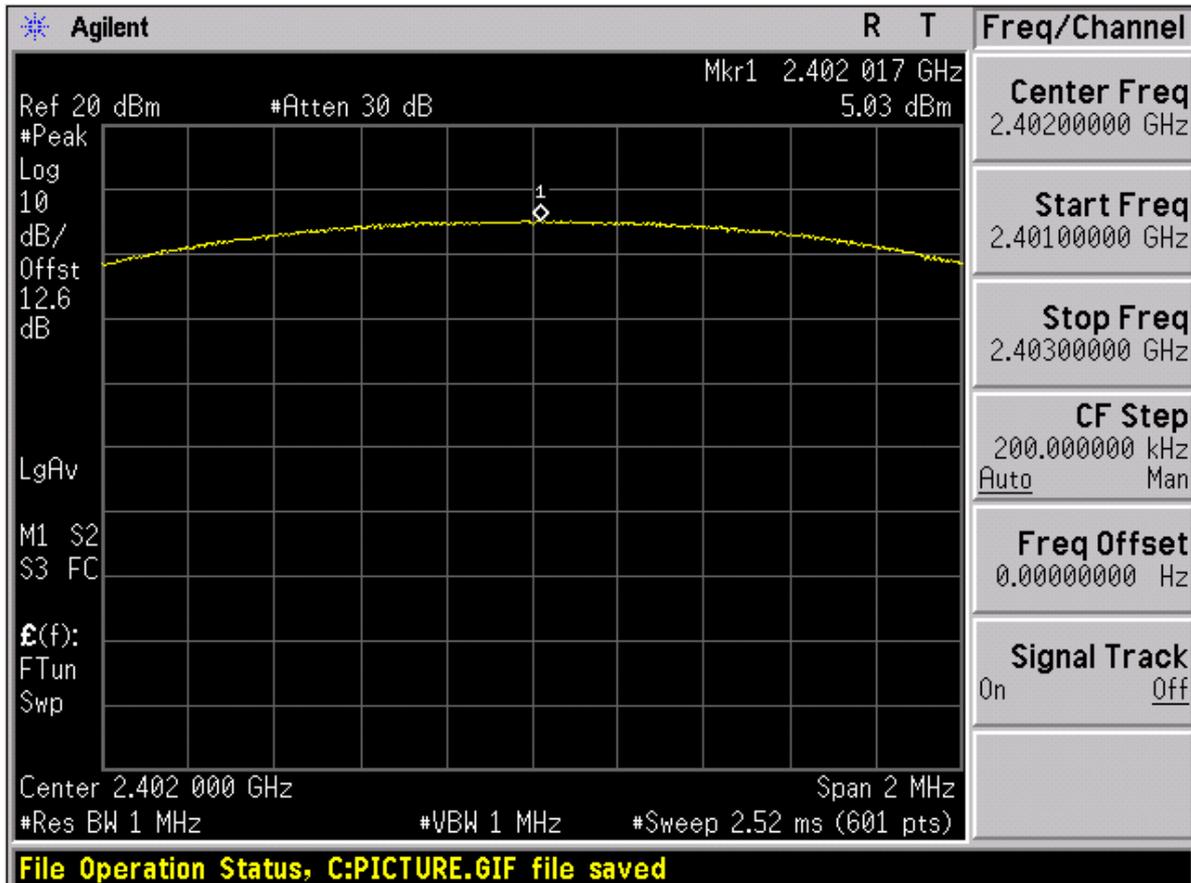


Channel 78 (2480MHz) PeakPower2EDR78



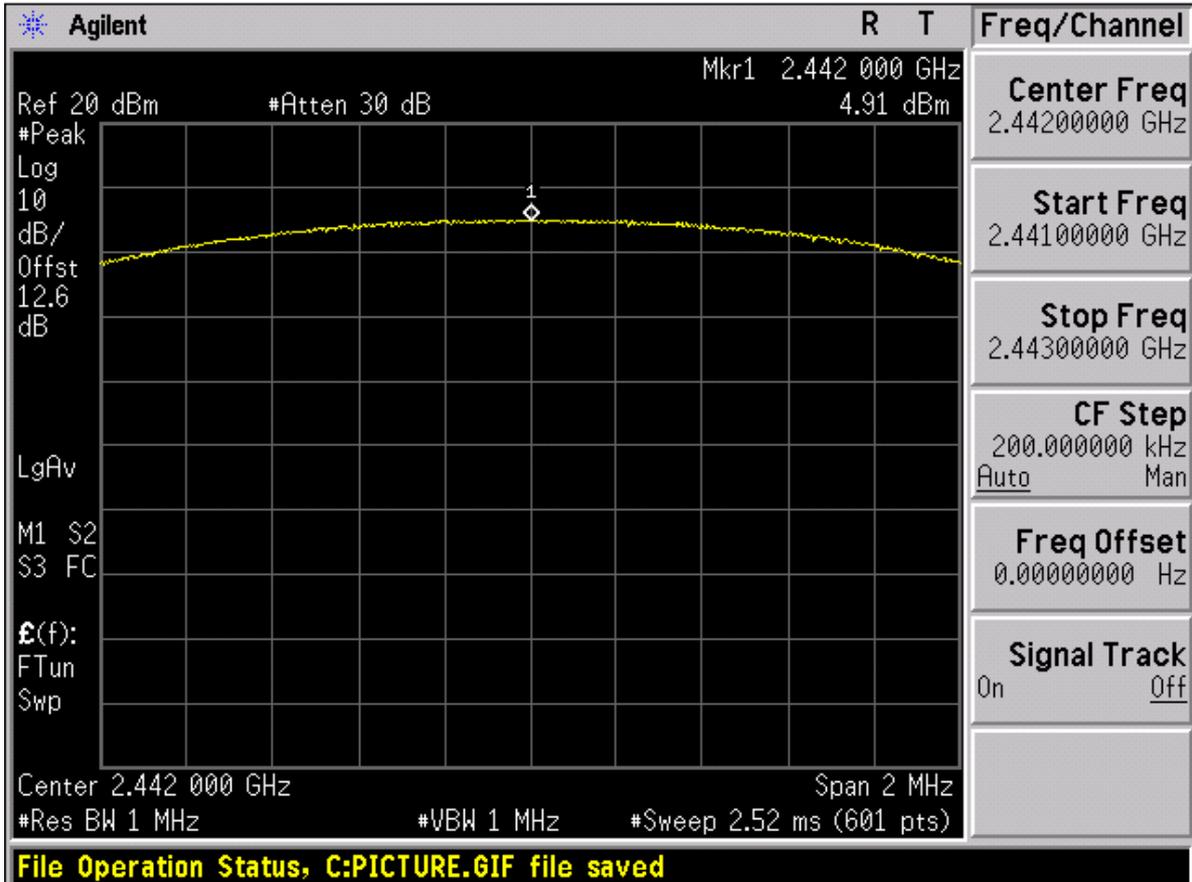


Modulation: 8DPSK Channel 0 (2402MHz) PeakPower3EDR0



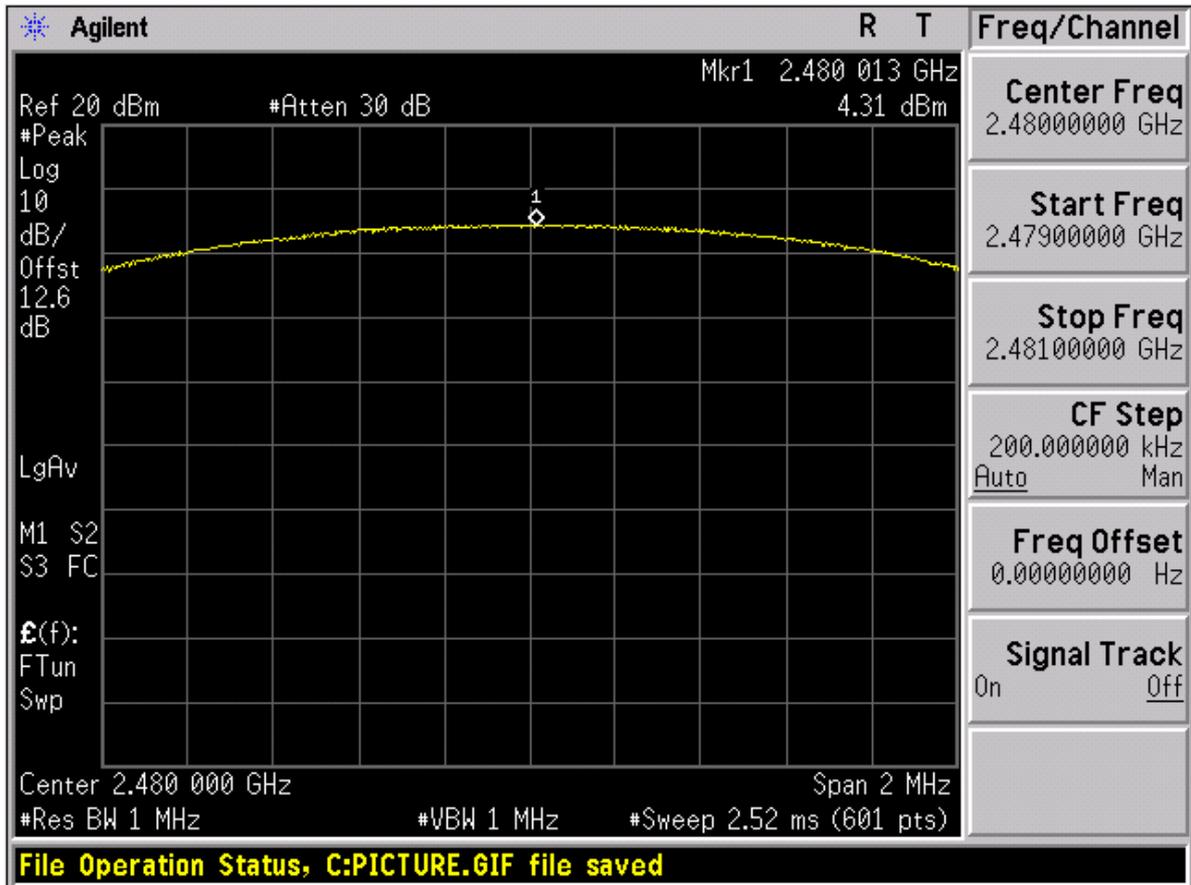


Channel 40 (2442MHz) PeakPower3EDR40





Channel 78 (2480MHz) PeakPower3EDR78





Appendix F

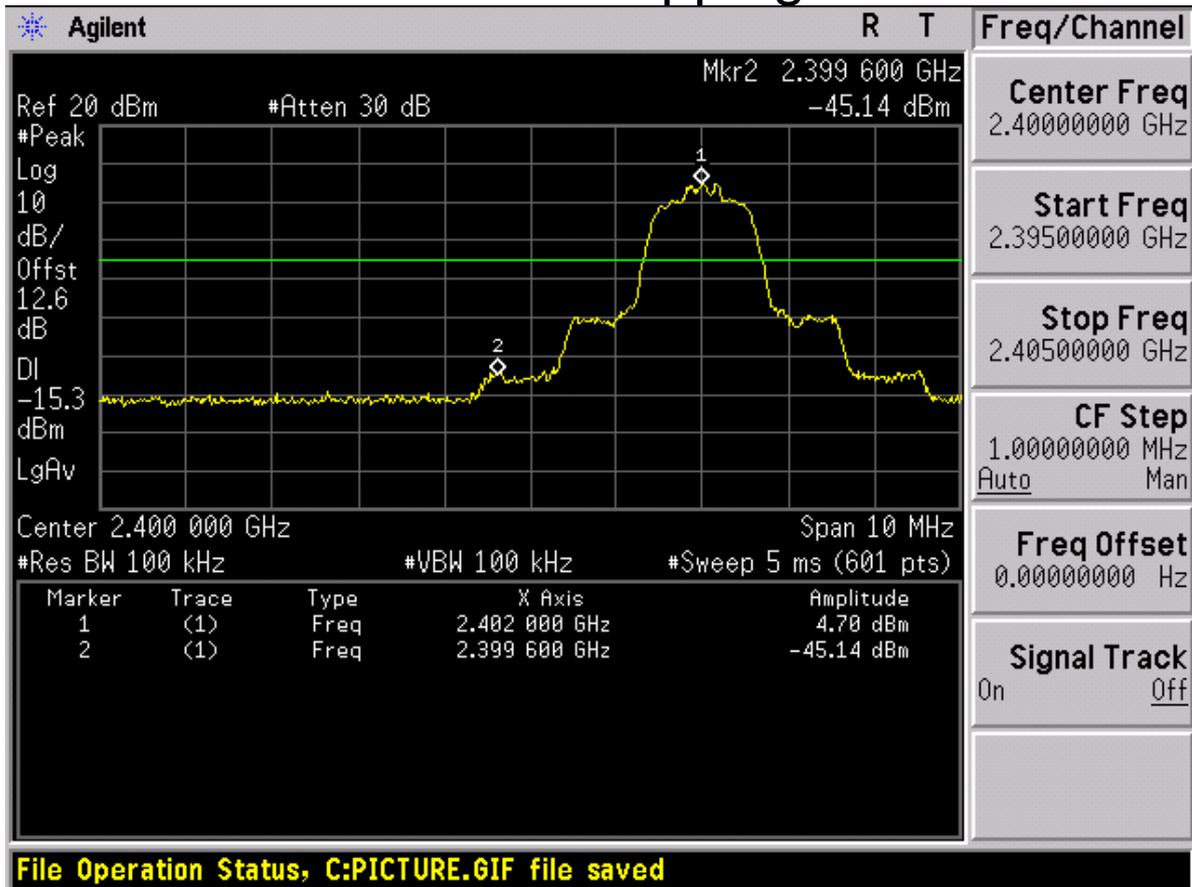
Band edge spurious emission

According to FCC Part 15.247 (d)



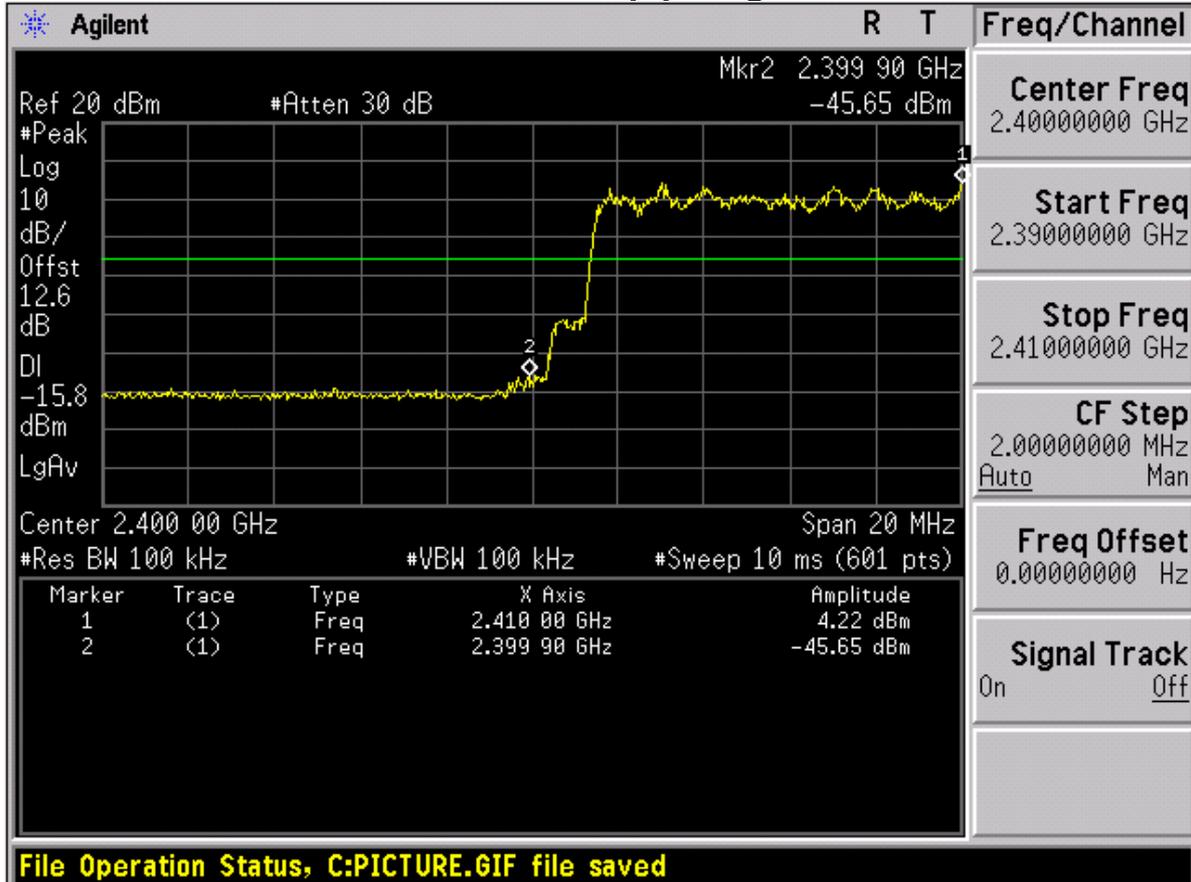
Modulation: $\pi/4$ -DQPSK

Low edge (Channel 0, no hopping)
2EDRNohopping0



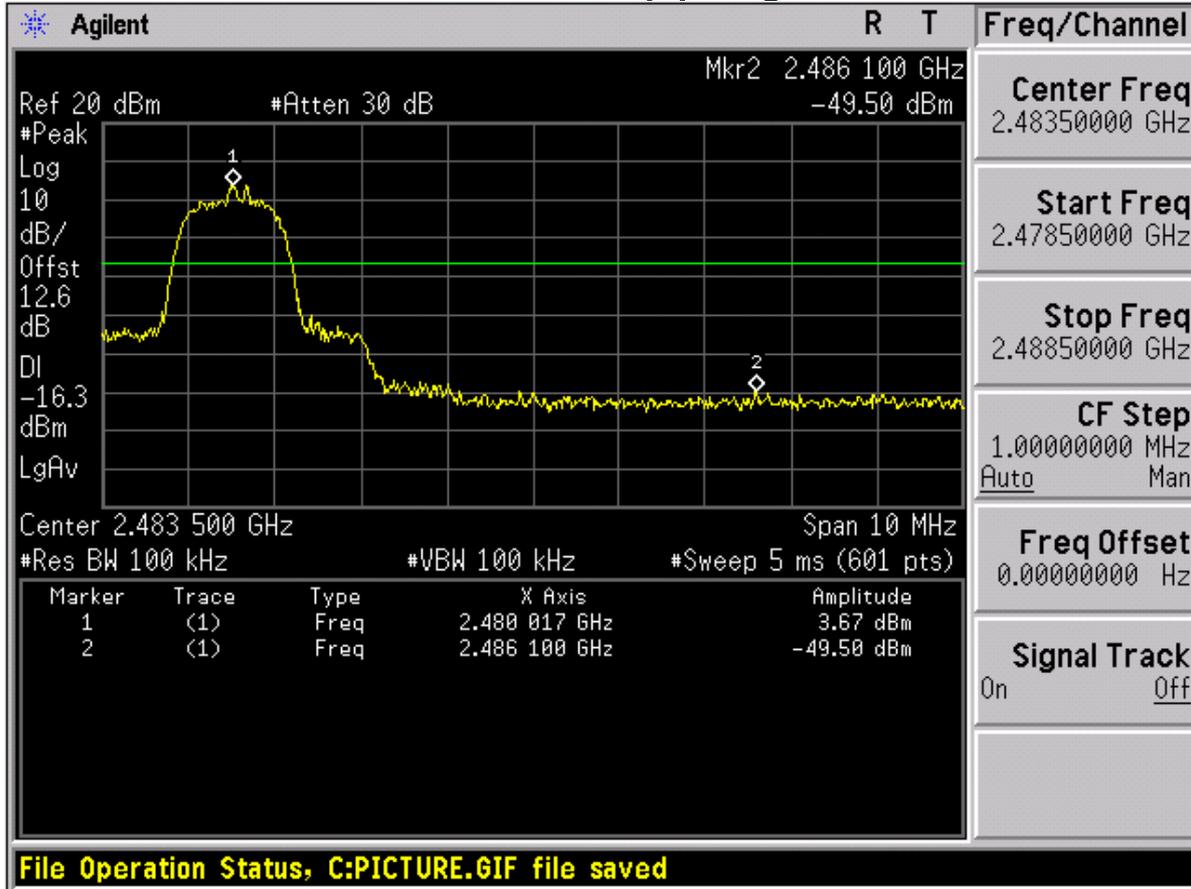


Low edge (with hopping) 2EDRHopping0



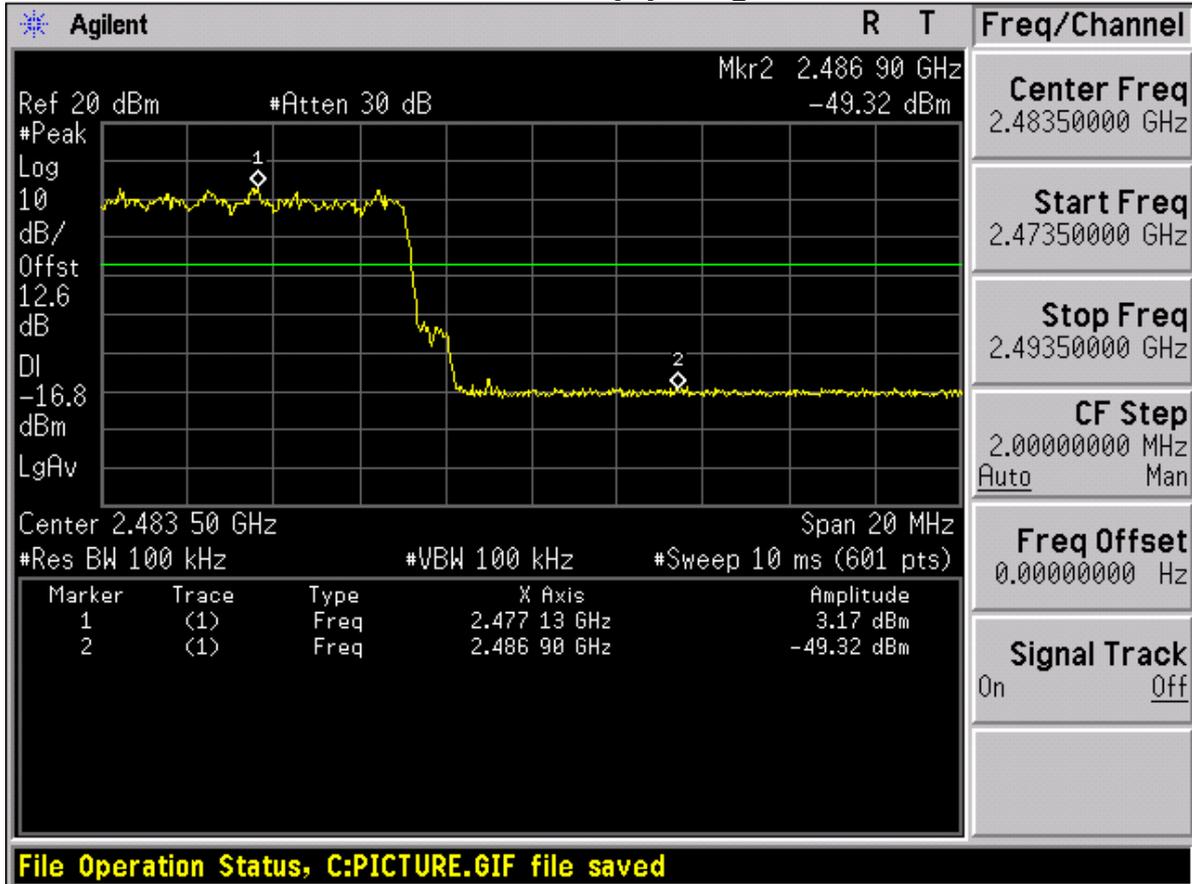


High edge (Channel 78, no hopping) 2EDRNohopping78



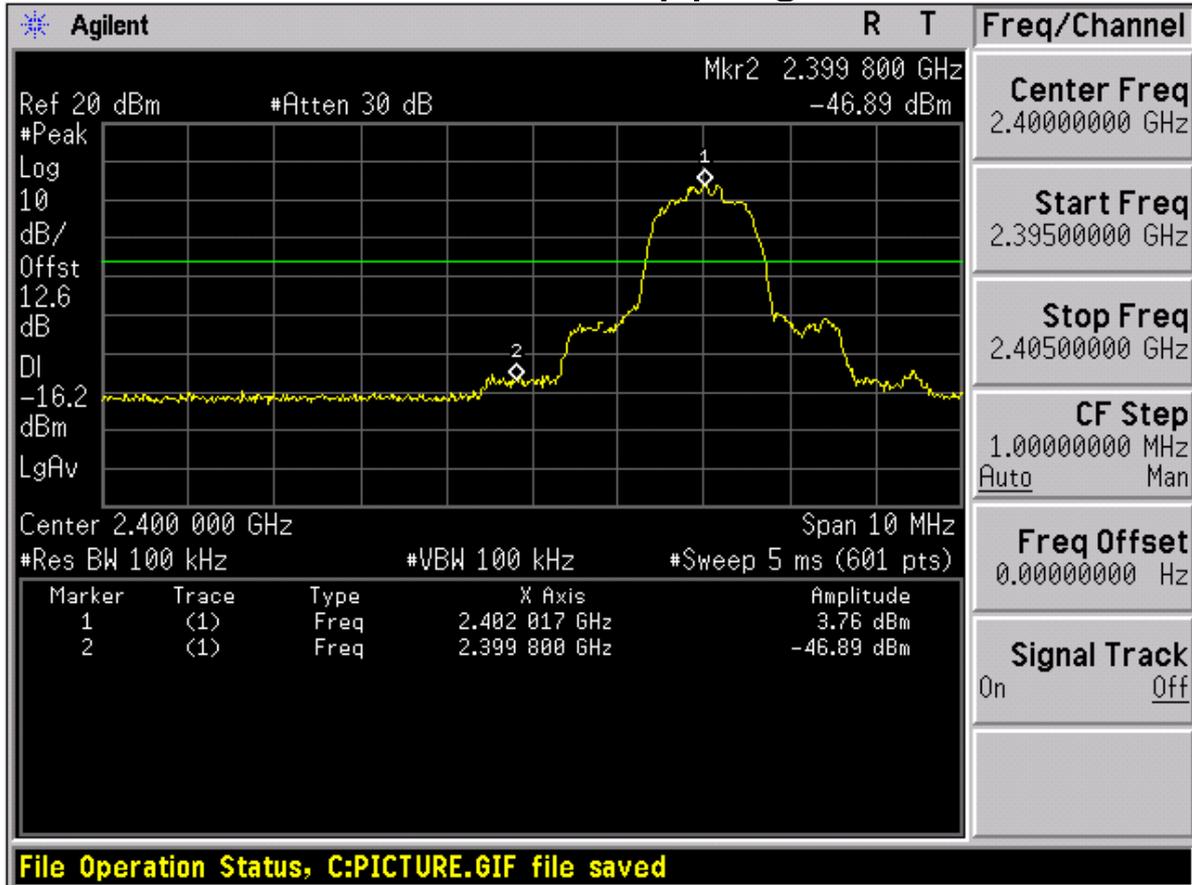


High edge (with hopping) 2EDRHopping78



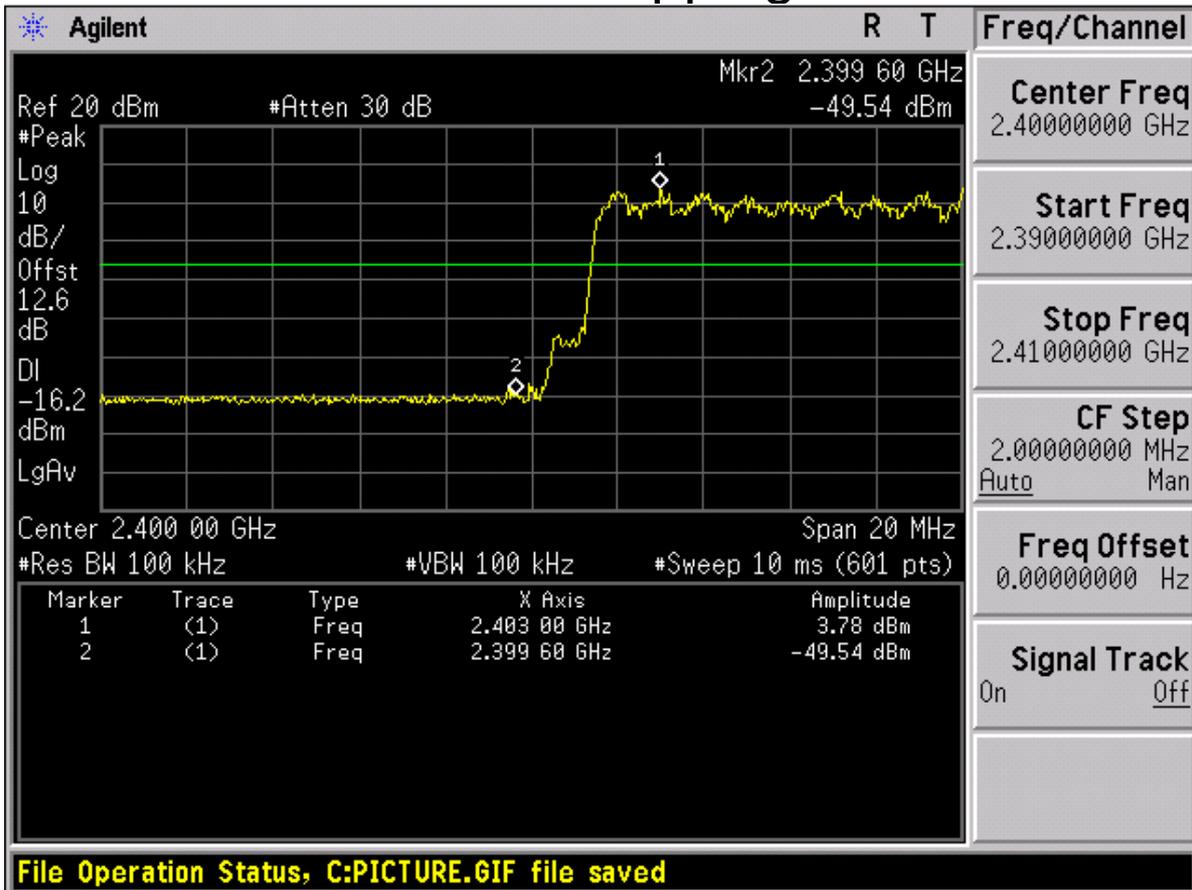


Modulation: 8DPSK Low edge (Channel 0, no hopping) 3EDRNo hopping0



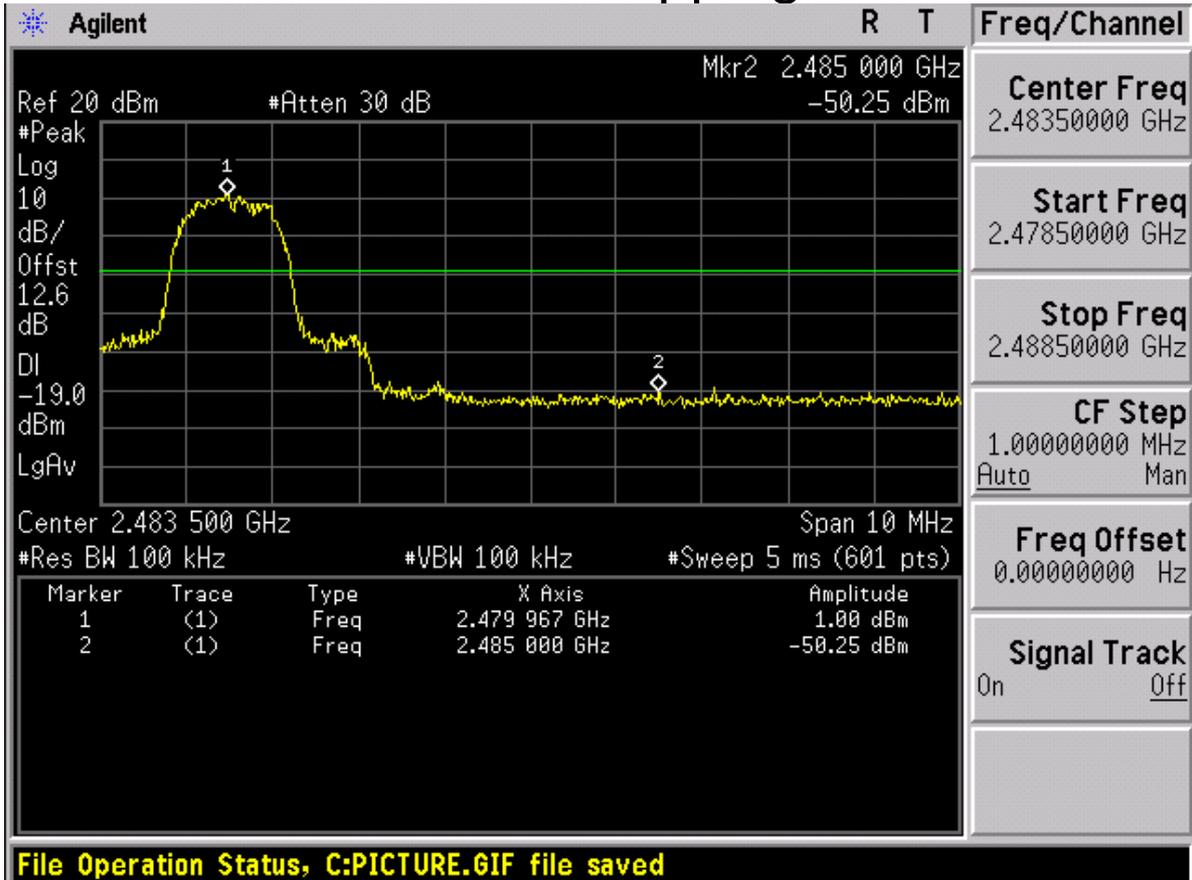


Low edge (with hopping) 3EDRHopping0



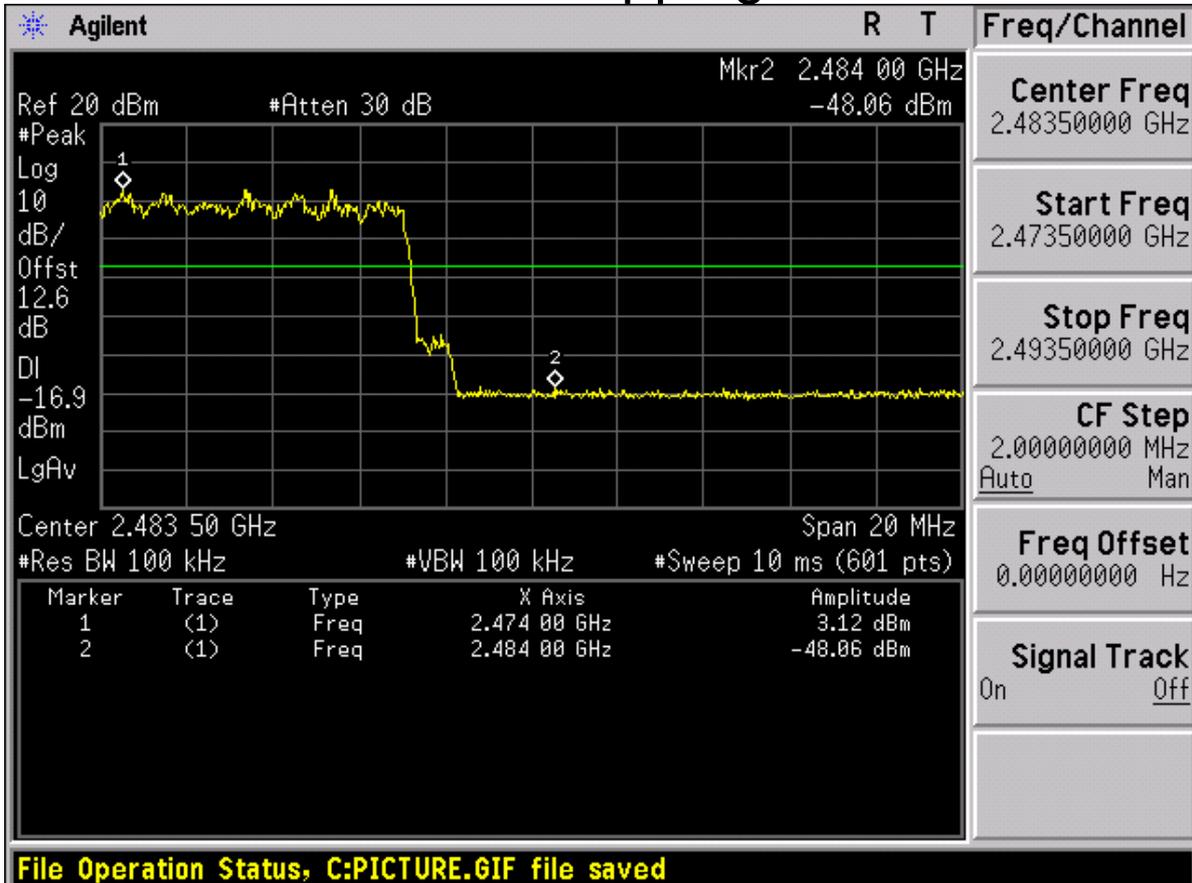


High edge (Channel 78, no hopping) 3EDRNo hopping78





High edge (with hopping) 3EDRHopping78





Appendix G

Conducted RF spurious

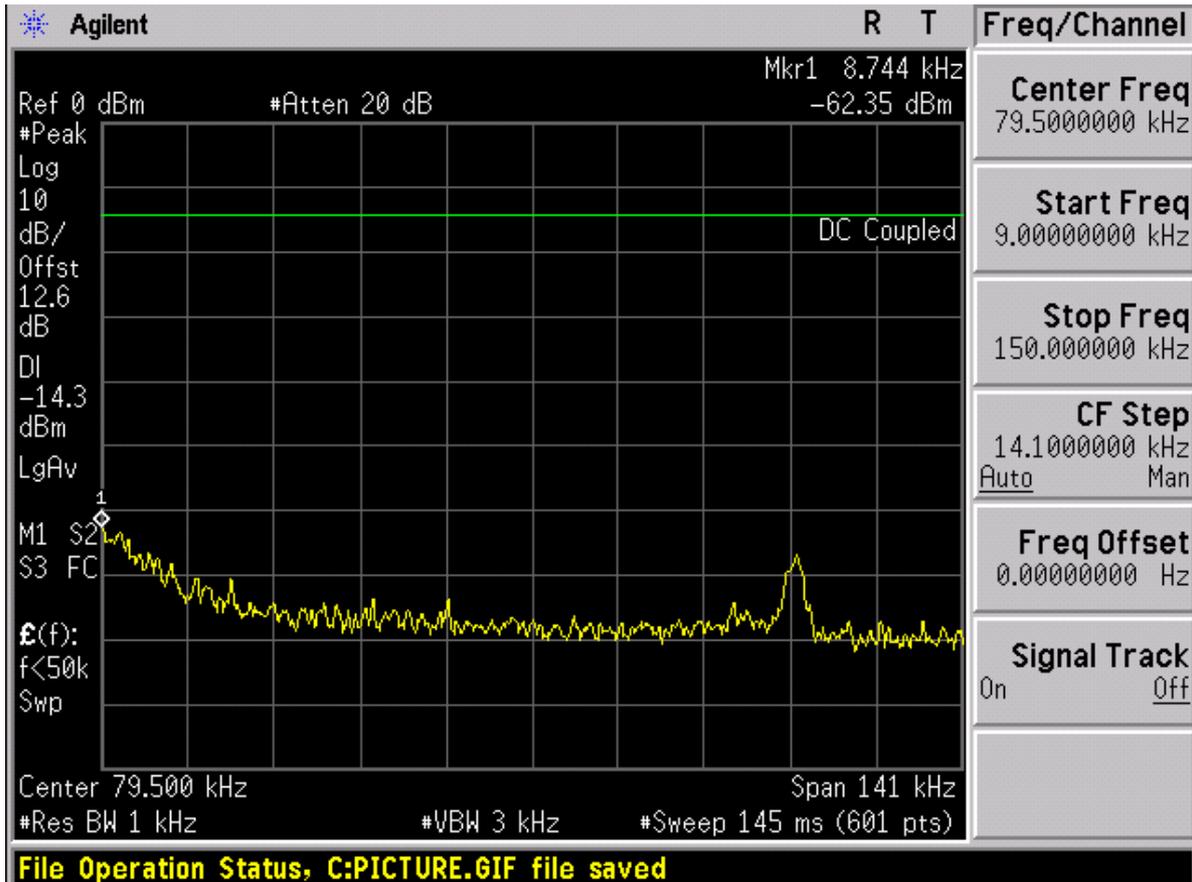
According to FCC Part 15.247 (d)



Modulation: $\pi/4$ -DQPSK

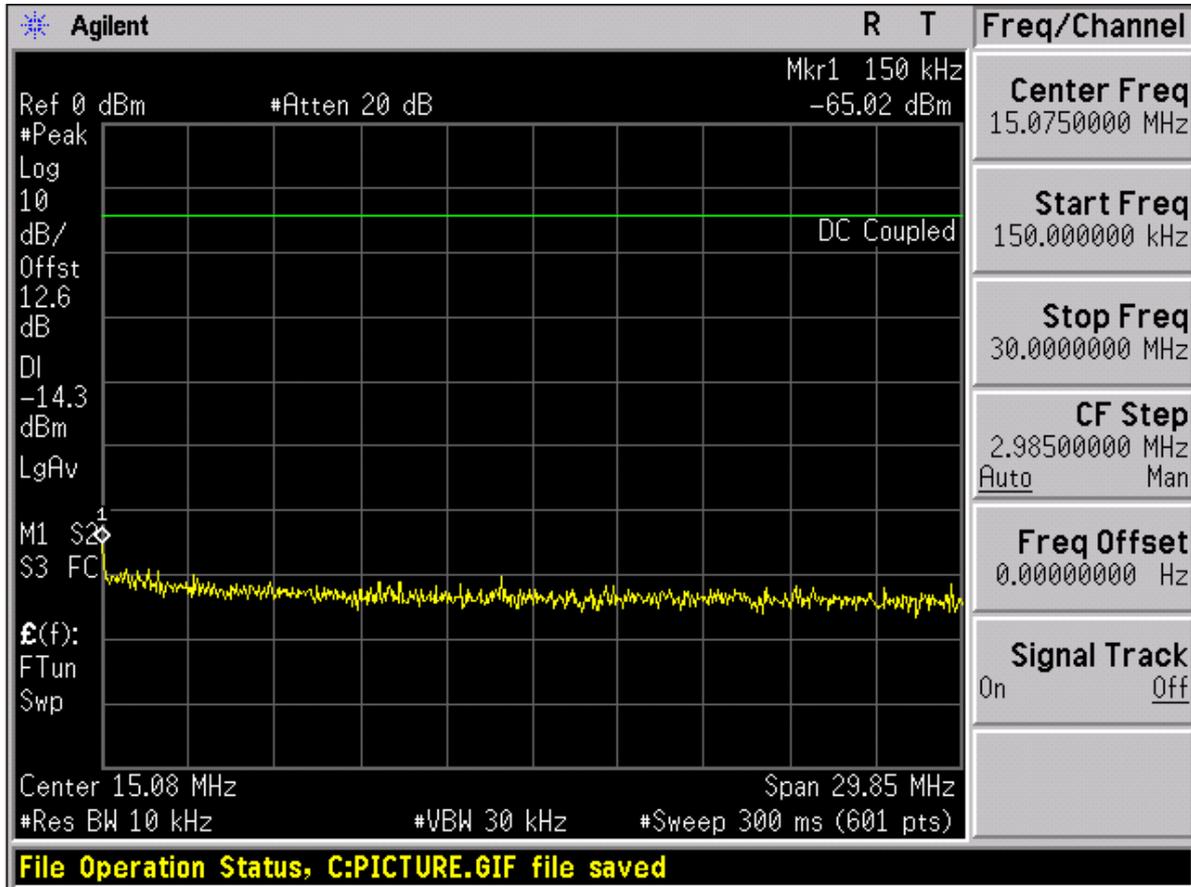
Channel 0

9K~150K2EDR0



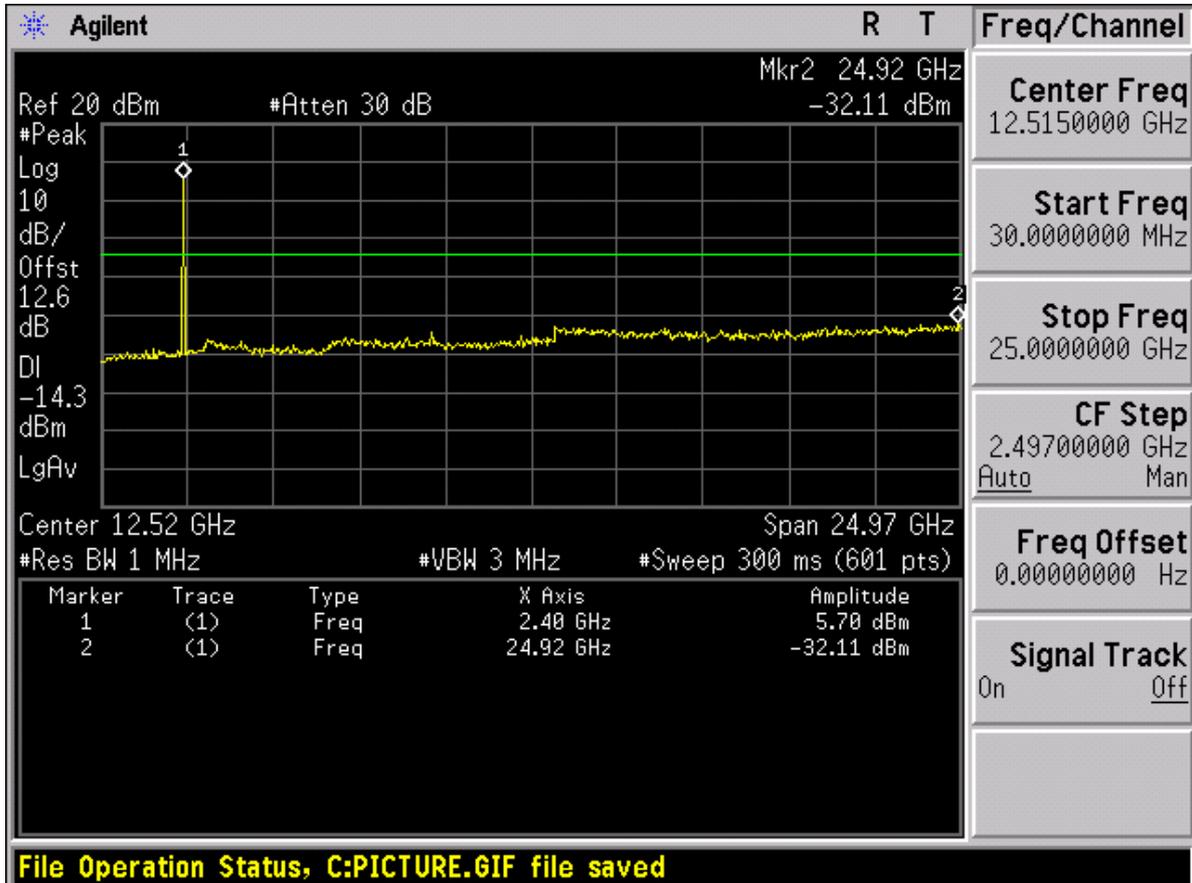


150K~30M2EDR0



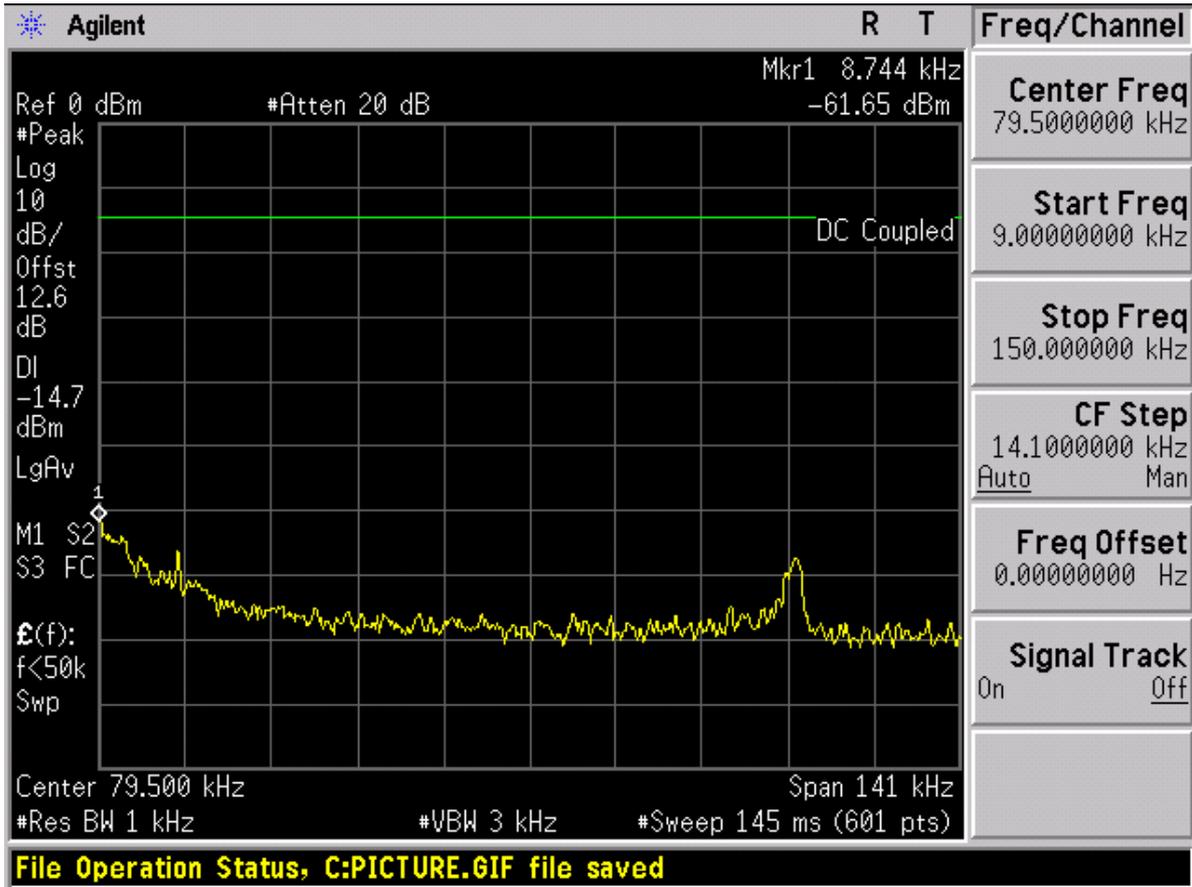


30M~25G2EDR0



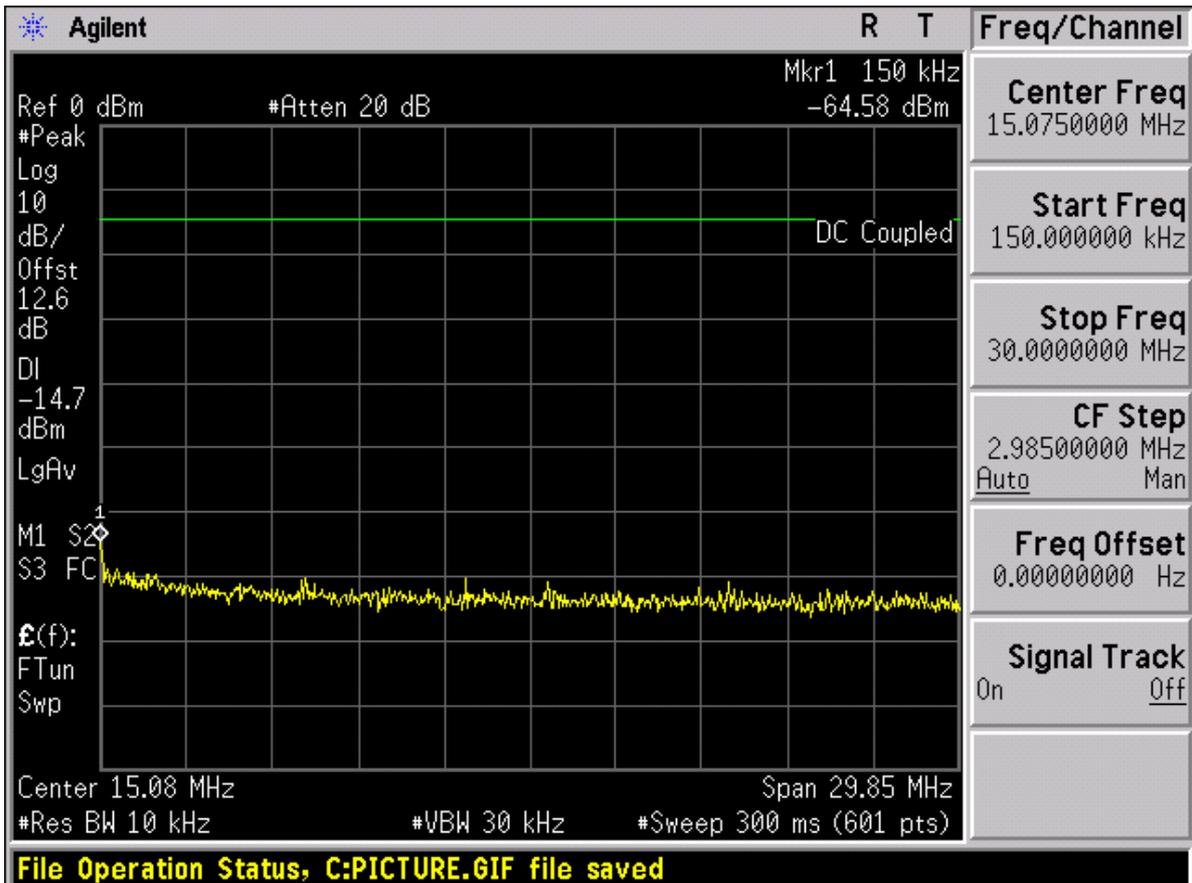


Channel 40 9K~150K2EDR40



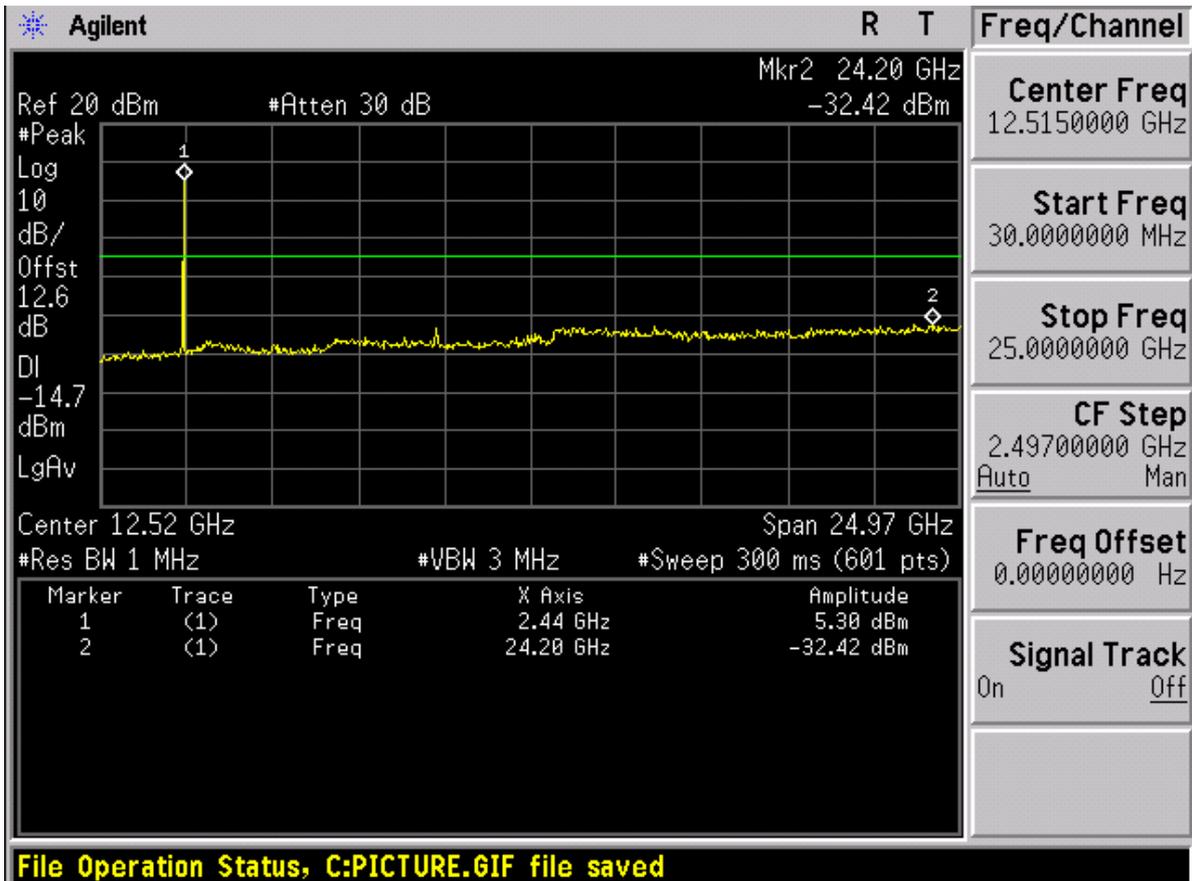


150K~30M2EDR40



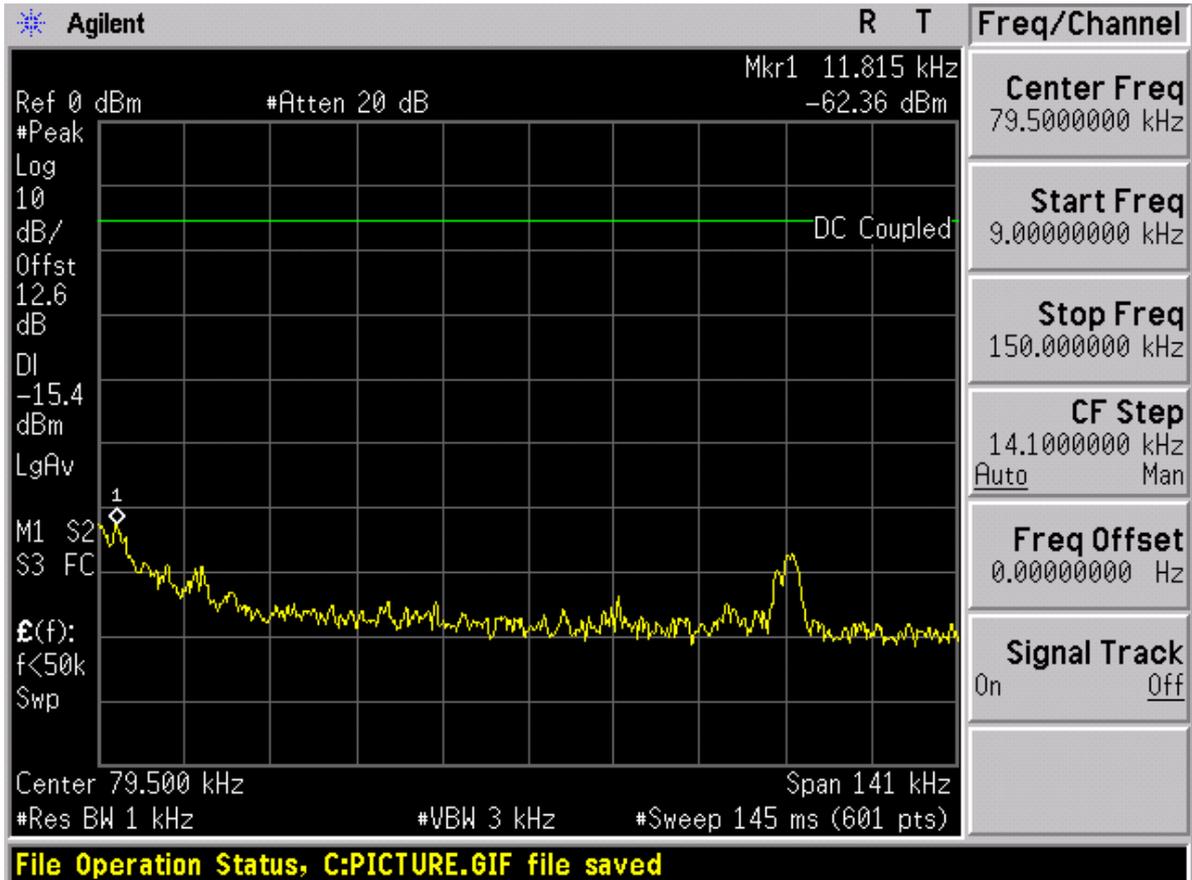


30M~25G2EDR40



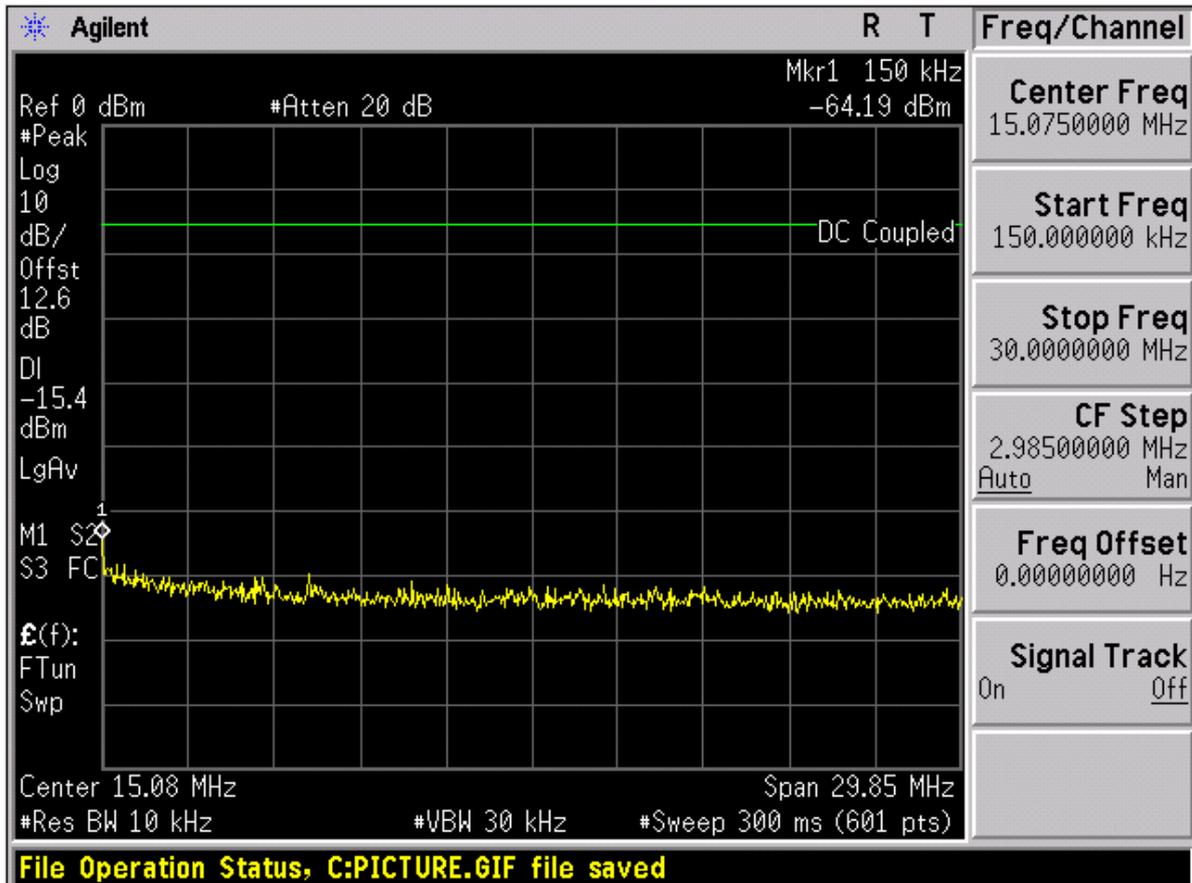


Channel 78 9K~150K2EDR78



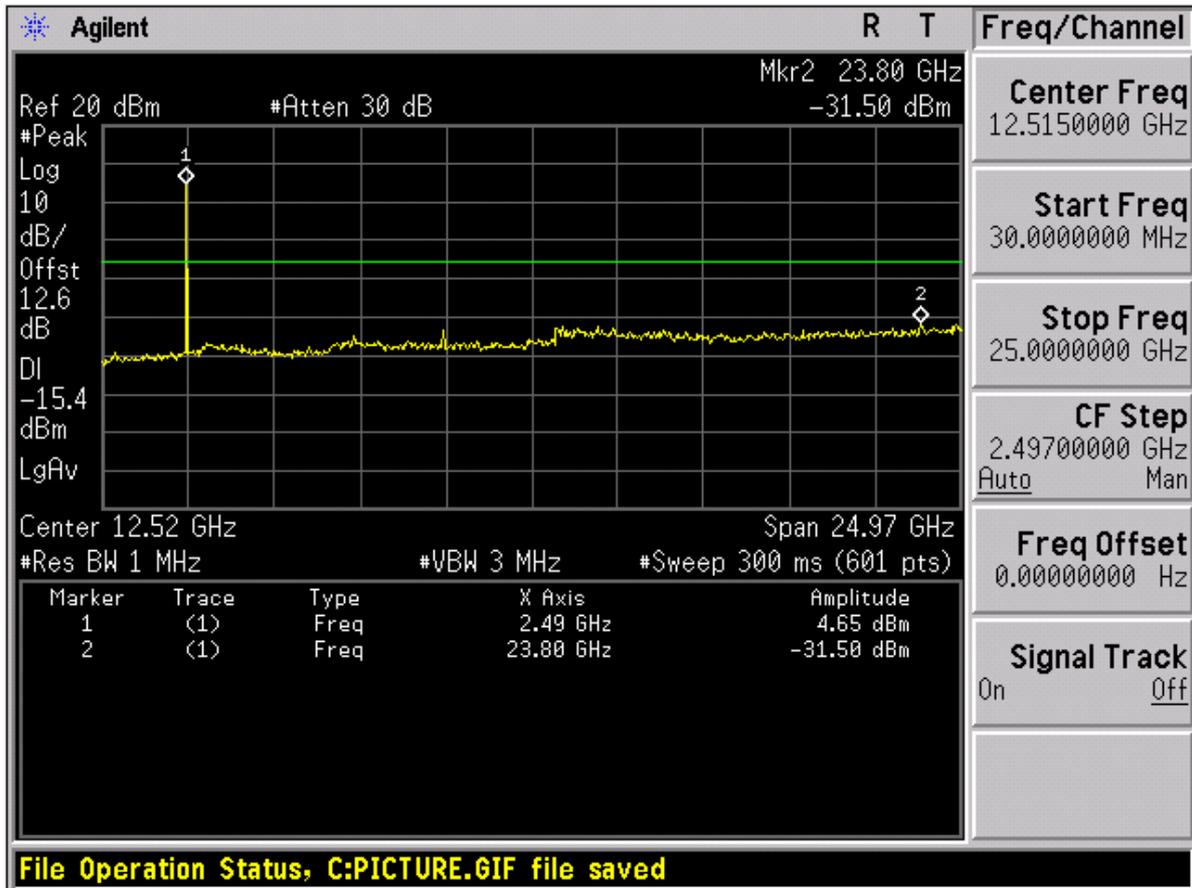


150K~30M2EDR78



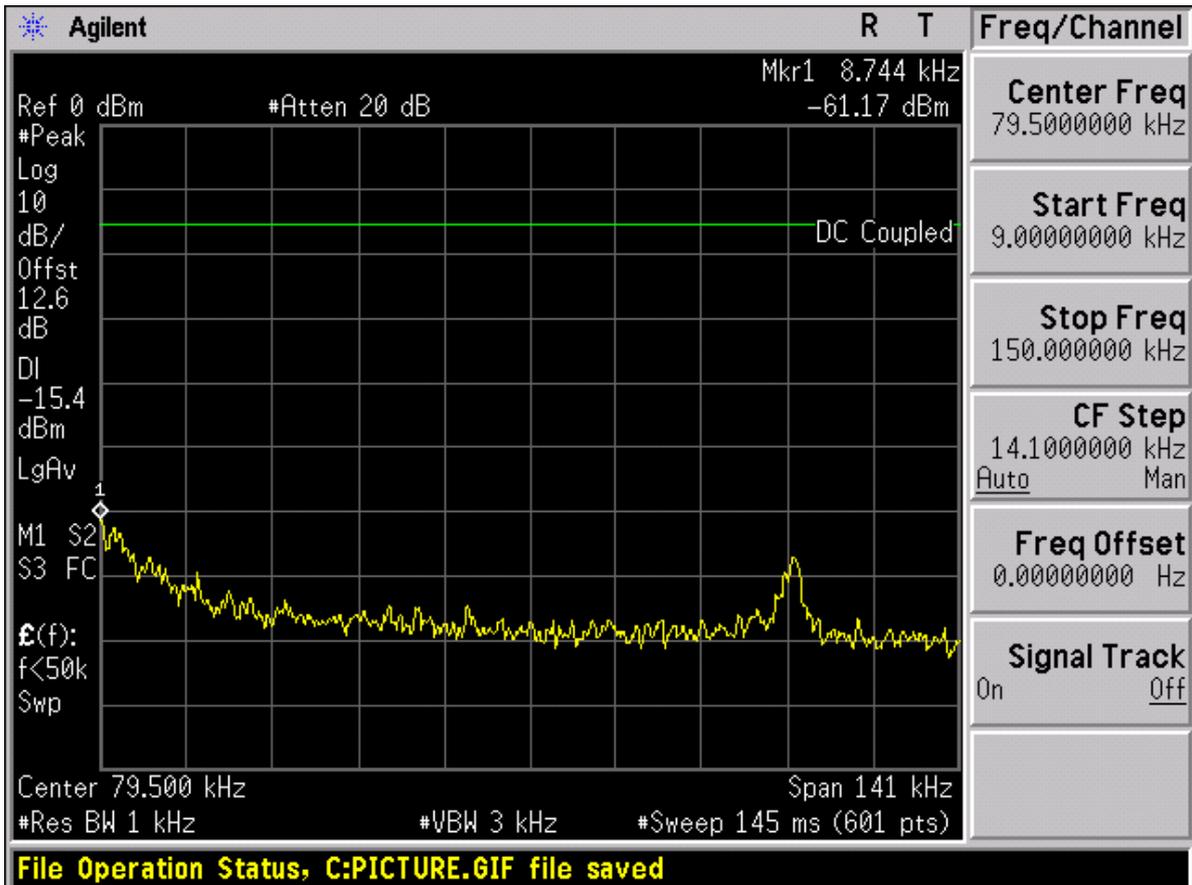


30M~25G2EDR78



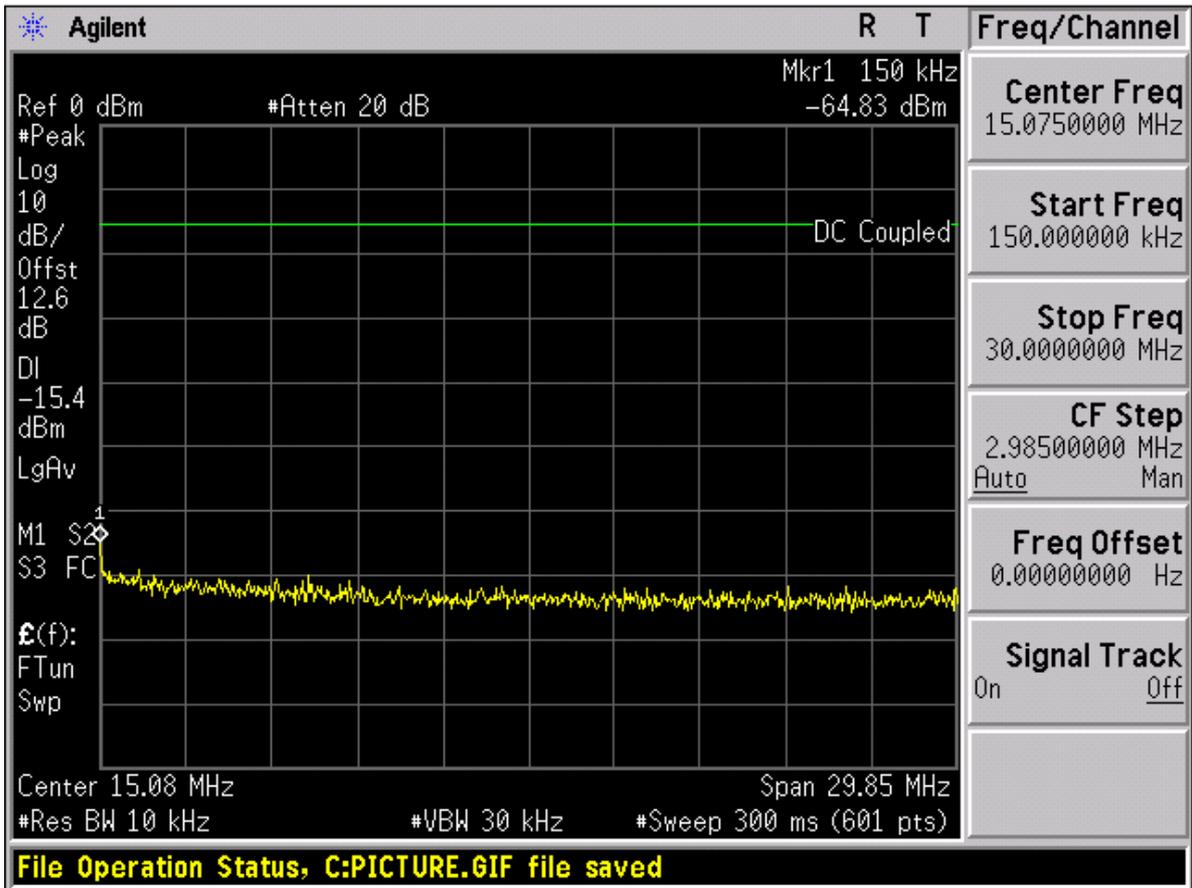


Modulation: 8DPSK Channel 0 9K~150K3EDR0



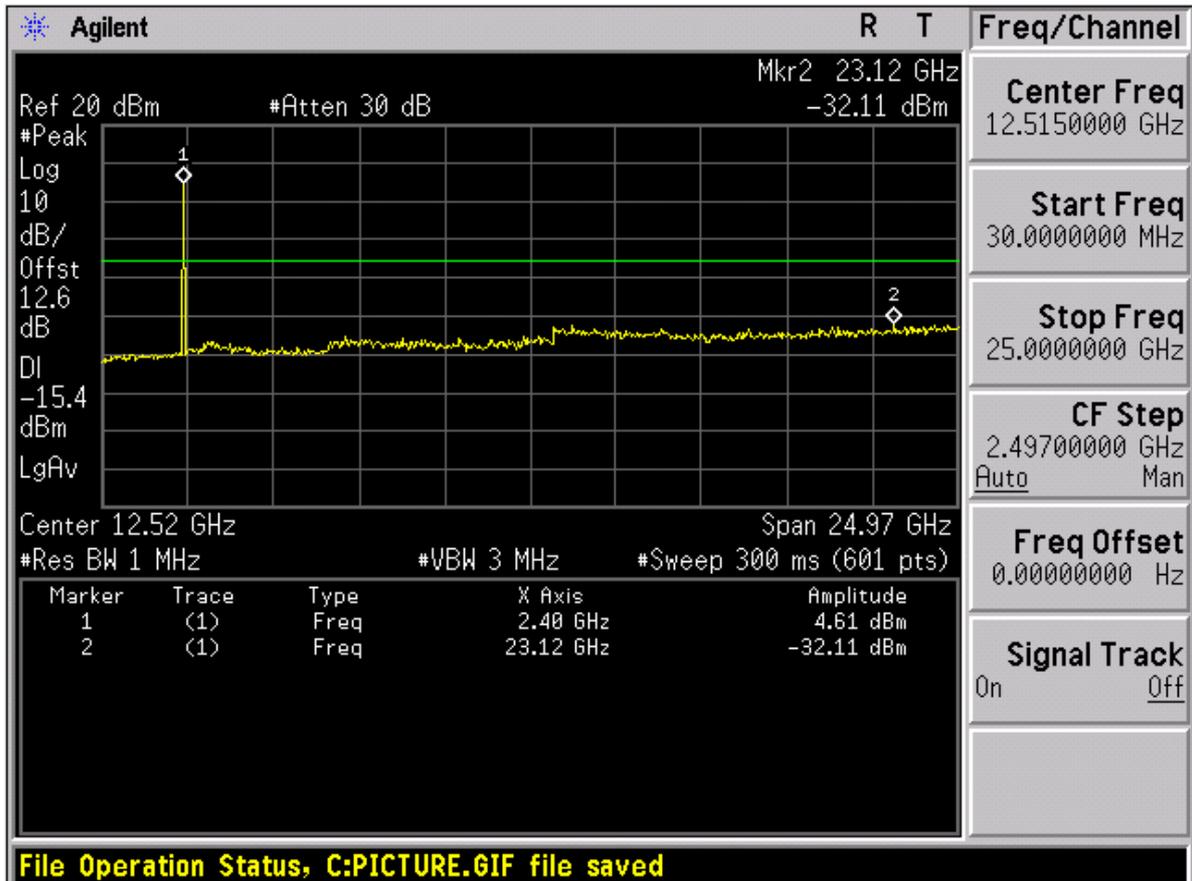


150K~30M3EDR0



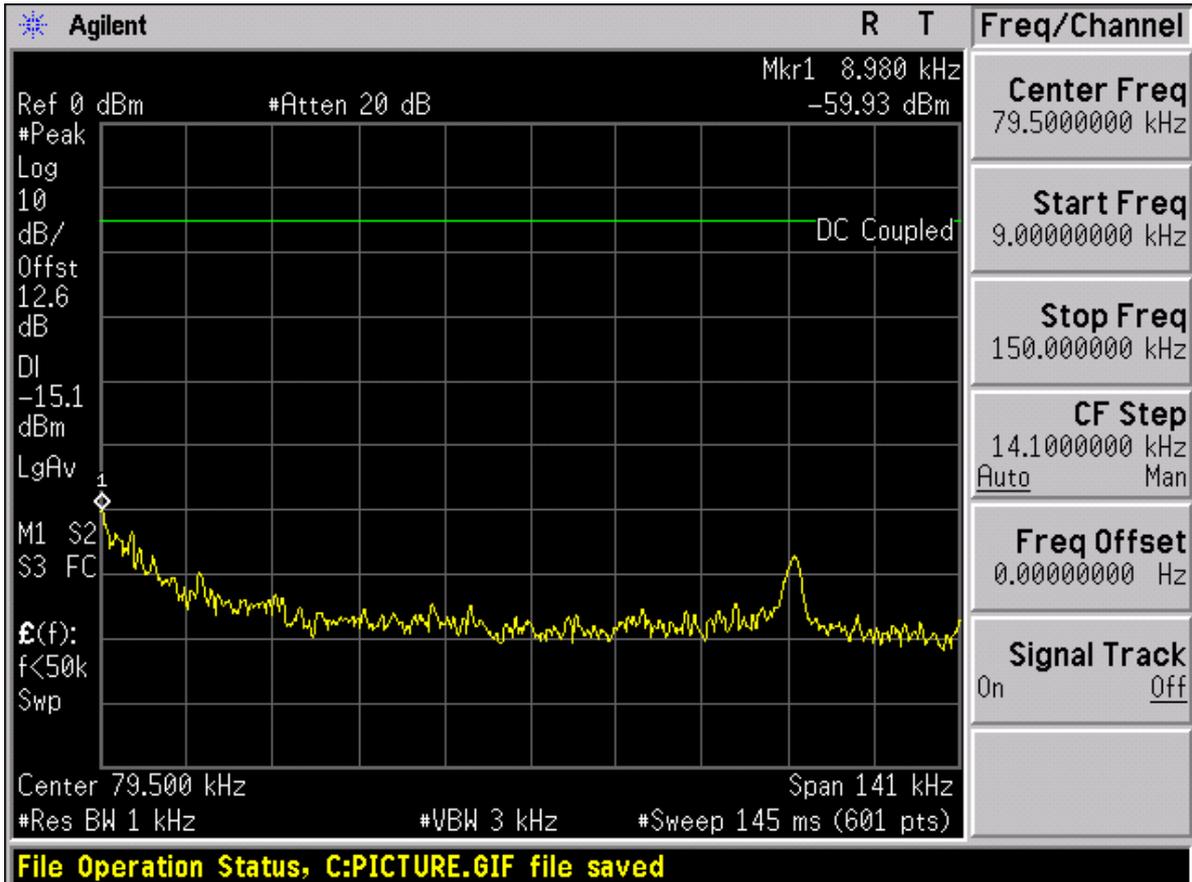


30M~25G3EDR0



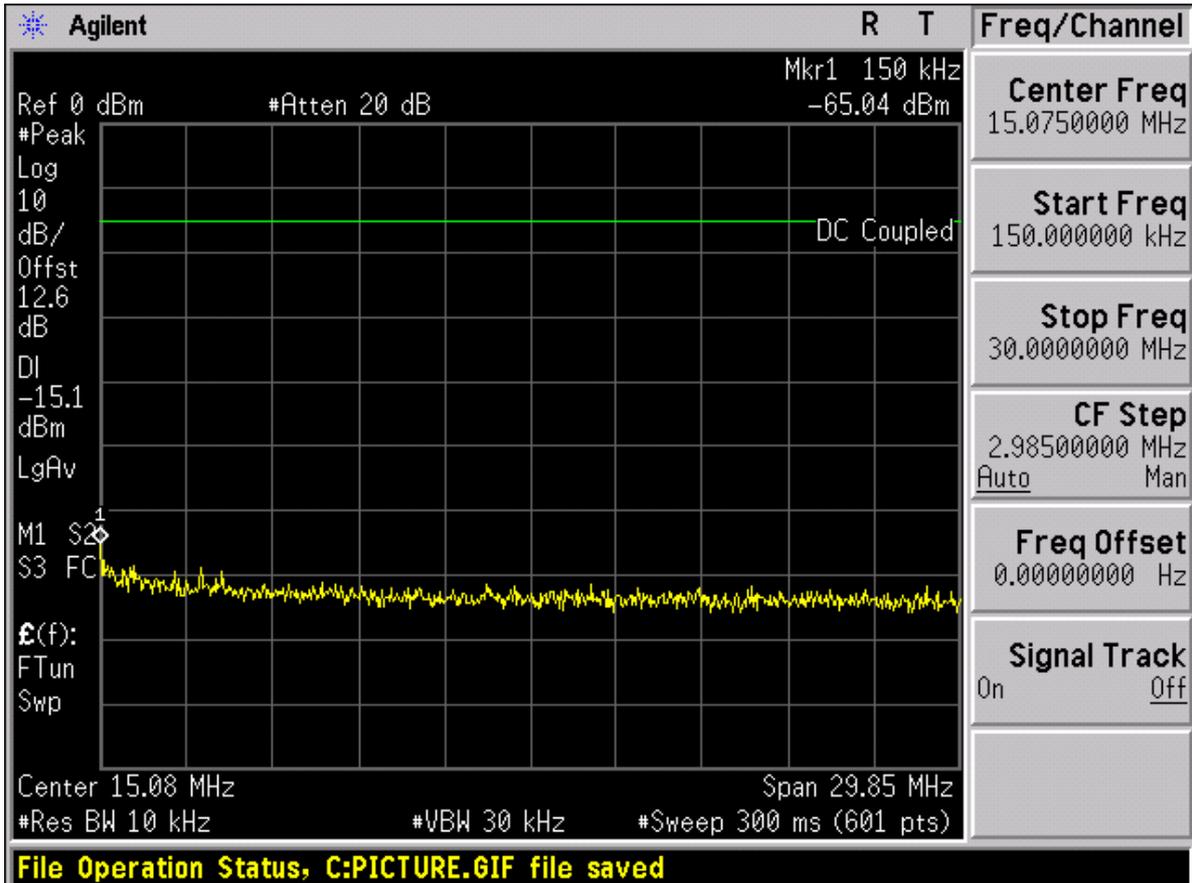


Channel 40 9K~150K3EDR40



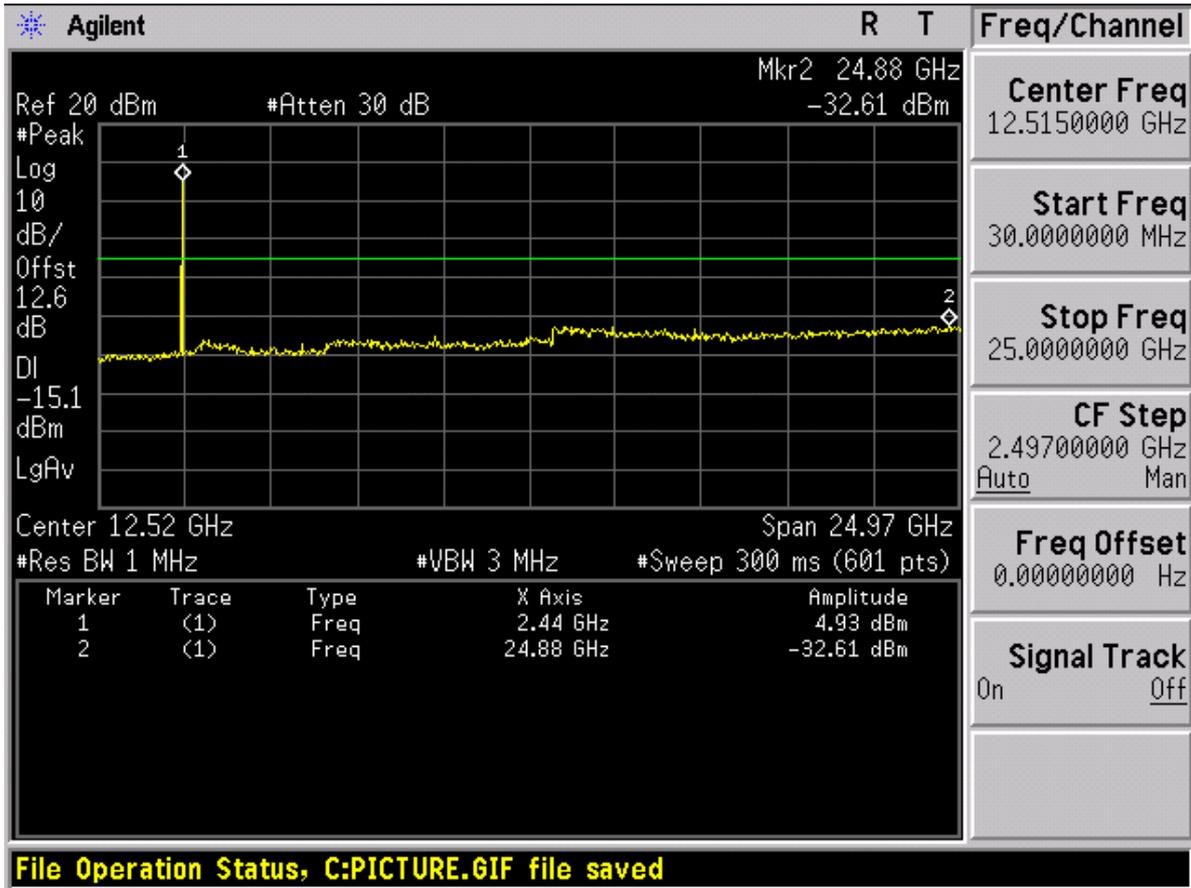


150K~30M3EDR40





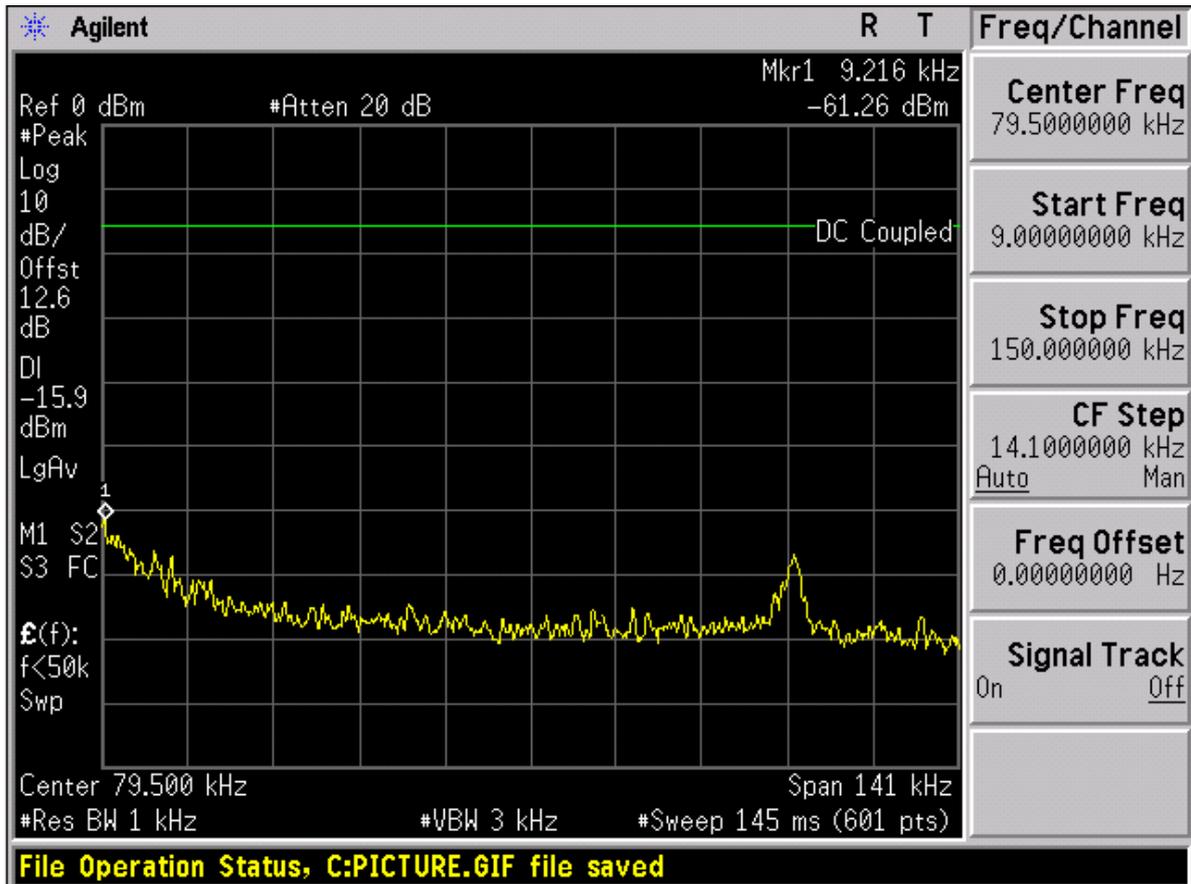
30M~25G3EDR40





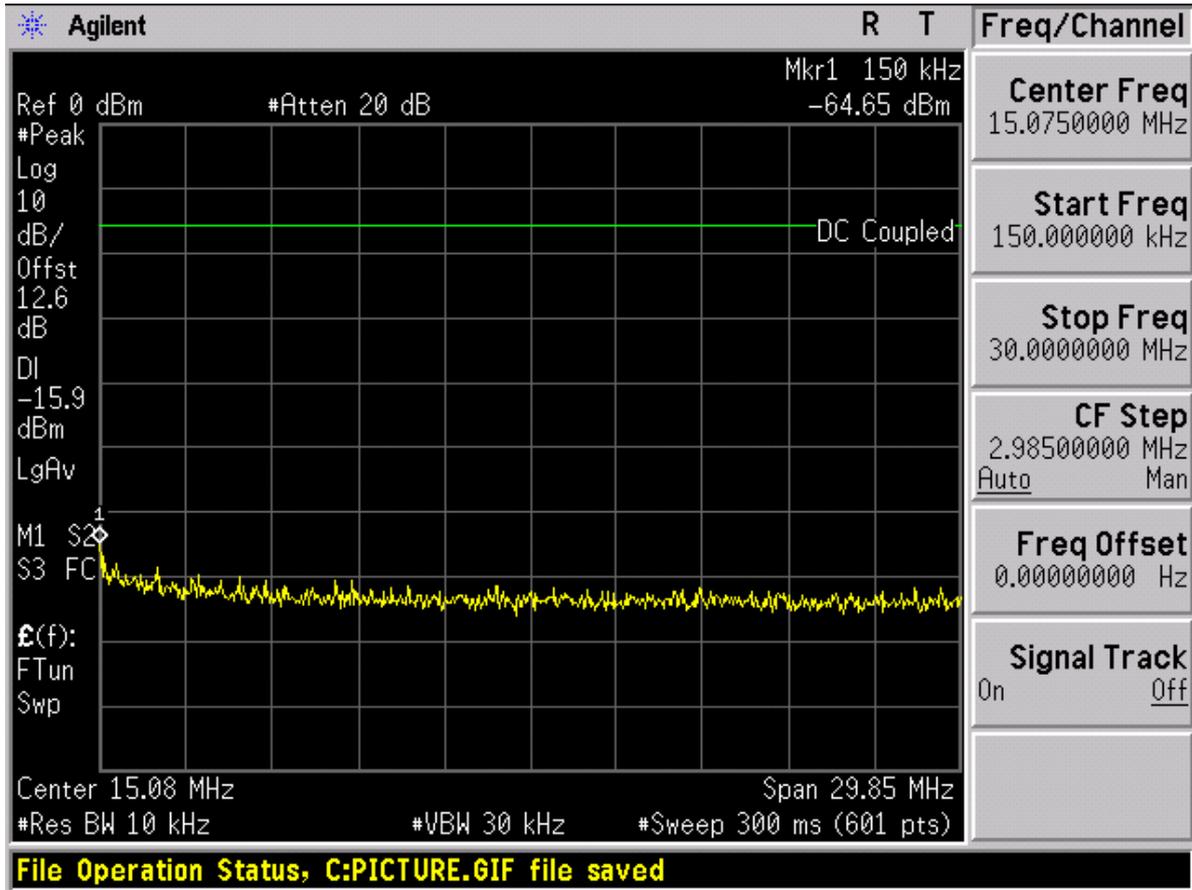
Channel 78

9K~150K3EDR78



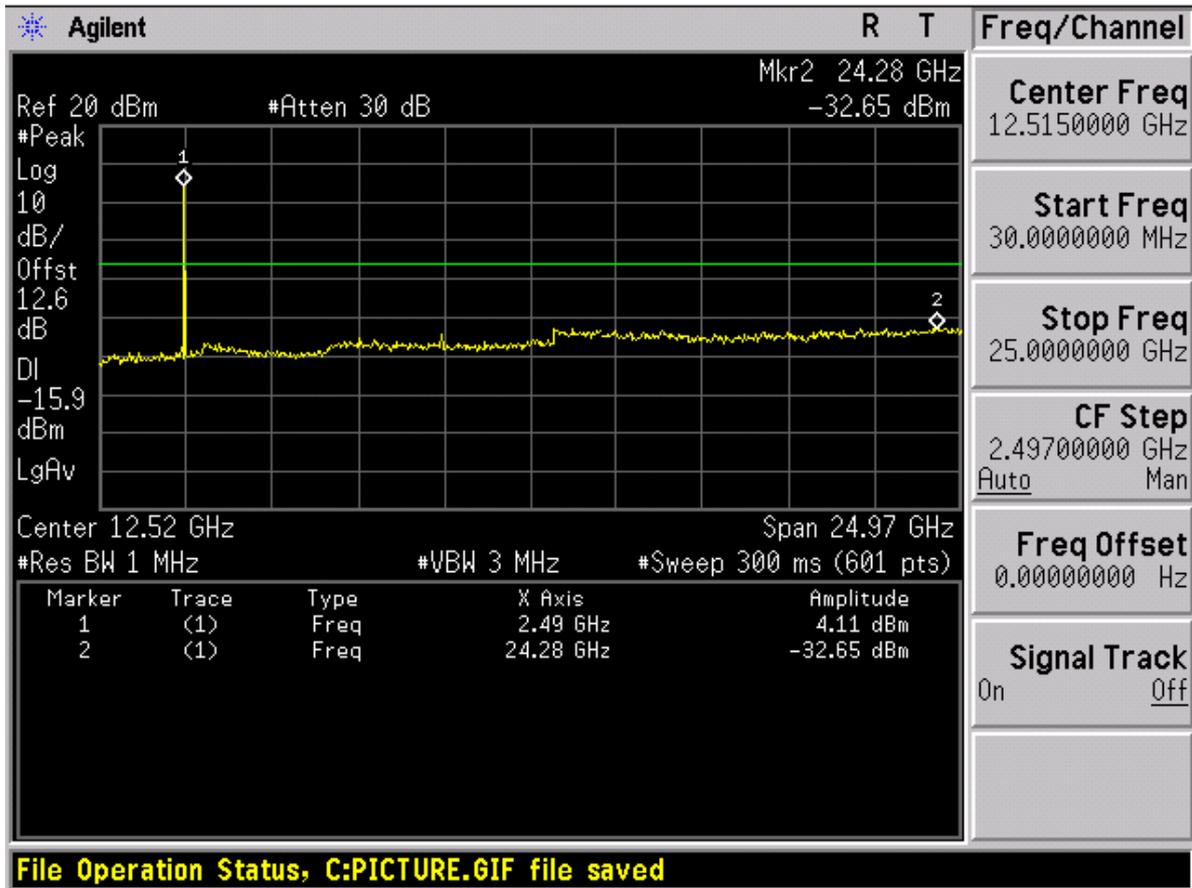


150K~30M3EDR78





30M~25G3EDR78





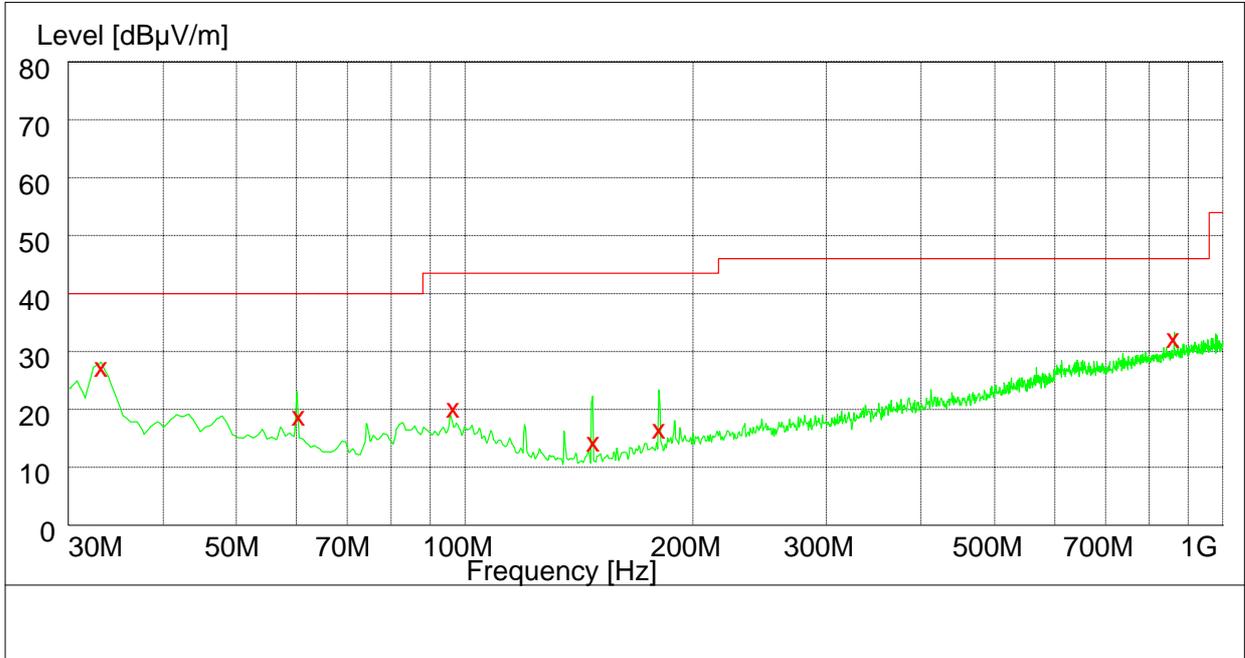
Appendix H

Radiated spurious emission

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



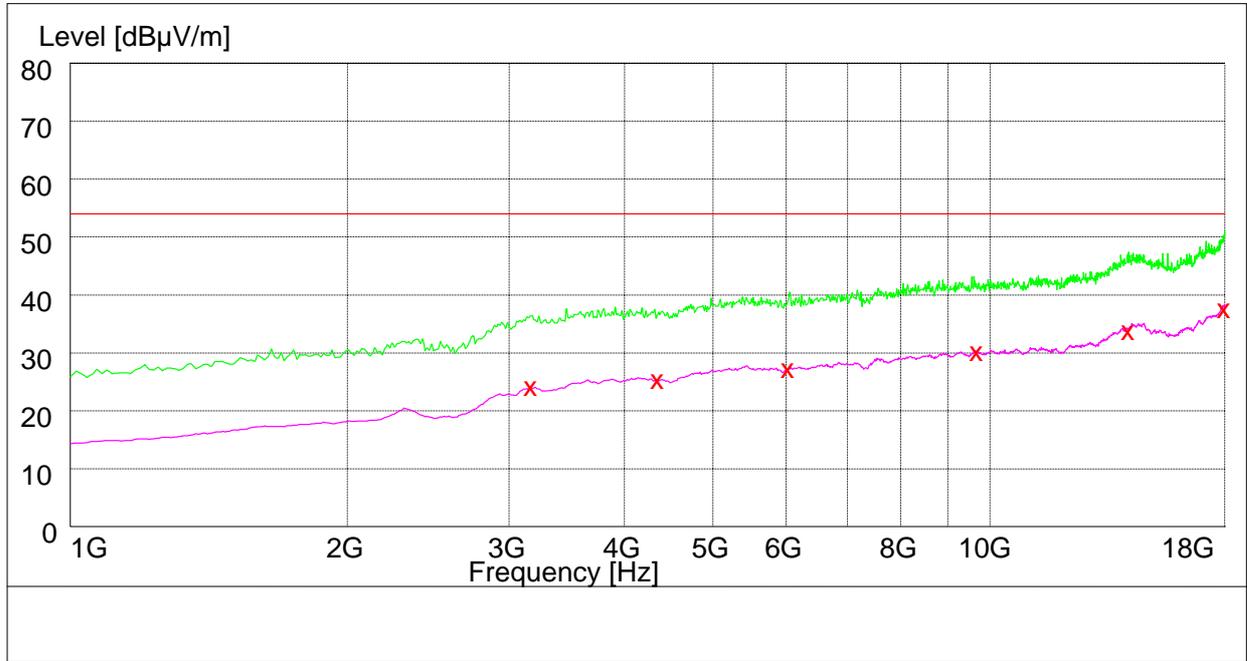
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.180000	28.30	11.7	40.0	11.7	179.0	54.00	VERTICAL
60.050000	19.20	12.4	40.0	20.8	141.0	3.00	HORIZONTAL
96.000000	19.90	12.8	43.5	23.6	207.0	114.00	VERTICAL
147.100000	13.70	8.9	43.5	29.8	239.0	171.00	HORIZONTAL
180.720000	16.50	11.0	43.5	27.0	250.0	41.00	HORIZONTAL
862.560000	32.30	25.7	46.0	13.7	255.0	206.00	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
3164.000000	23.40	-8.4	54.0	30.6	185.0	163.0	VERTICAL
4336.000000	25.40	-5.2	54.0	29.6	176.0	86.0	VERTICAL
6035.000000	27.40	-1.5	54.0	26.6	119.0	305.0	VERTICAL
9687.000000	30.10	5.4	54.0	23.9	130.0	88.0	VERTICAL
14156.500000	33.50	11.3	54.0	20.5	169.0	217.0	HORIZONTAL
17994.000000	37.80	17.3	54.0	16.2	144.0	100.0	VERTICAL

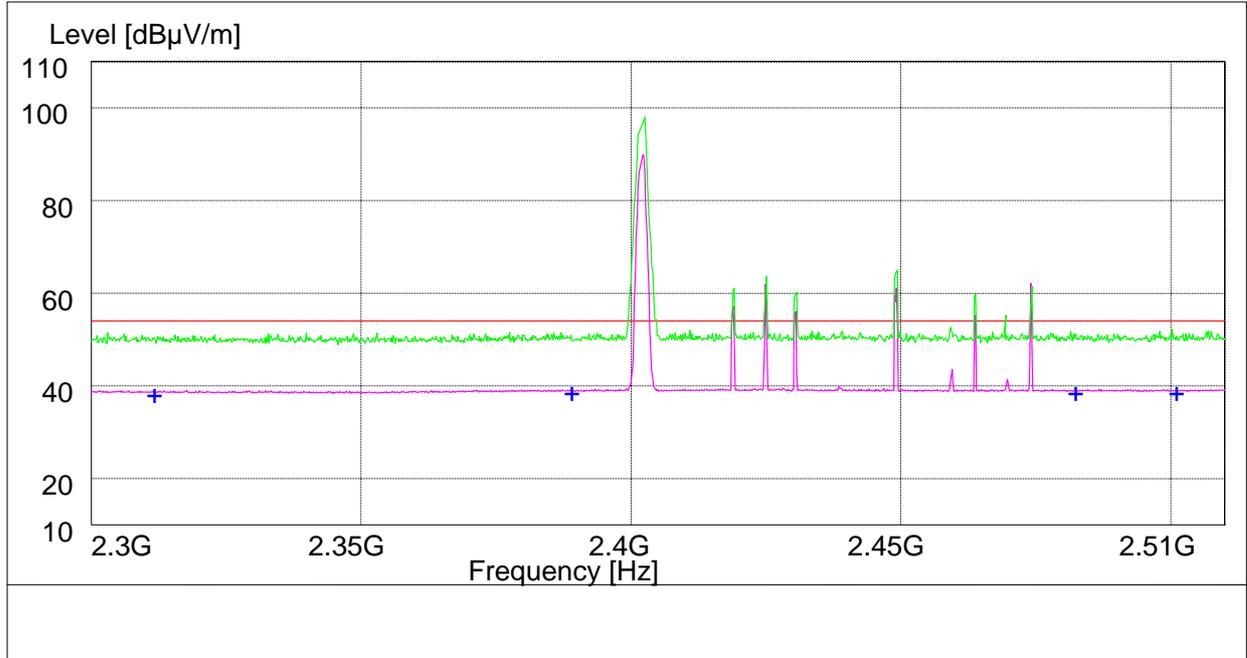


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz

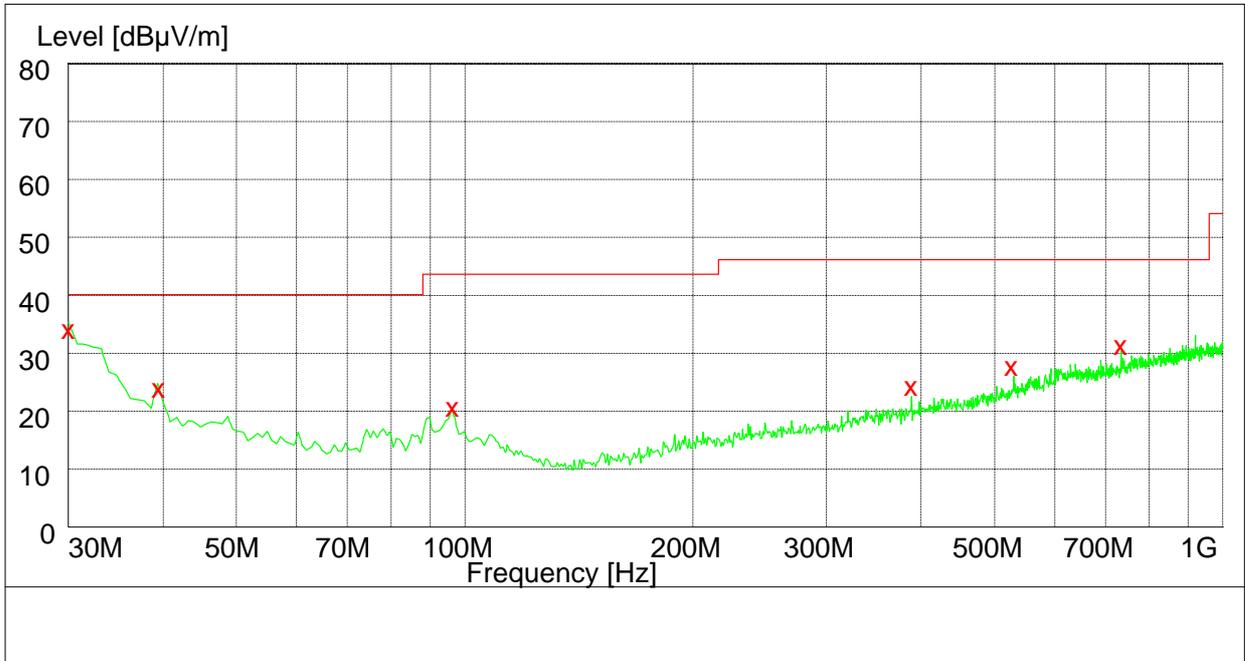


Note: The highest peak exceeds the limit line is carrier frequency.
The bands from 2.39GHz to 2.4835GHz is out of the restricted bands.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.50	33.3	54.0	15.5	105.0	305.00	HORIZONTAL
2390.000000	38.80	33.5	54.0	15.2	126.0	54.00	VERTICAL
2483.500000	38.60	33.7	54.0	15.4	165.0	186.00	HORIZONTAL
2500.000000	38.90	33.8	54.0	15.1	172.0	265.00	VERTICAL



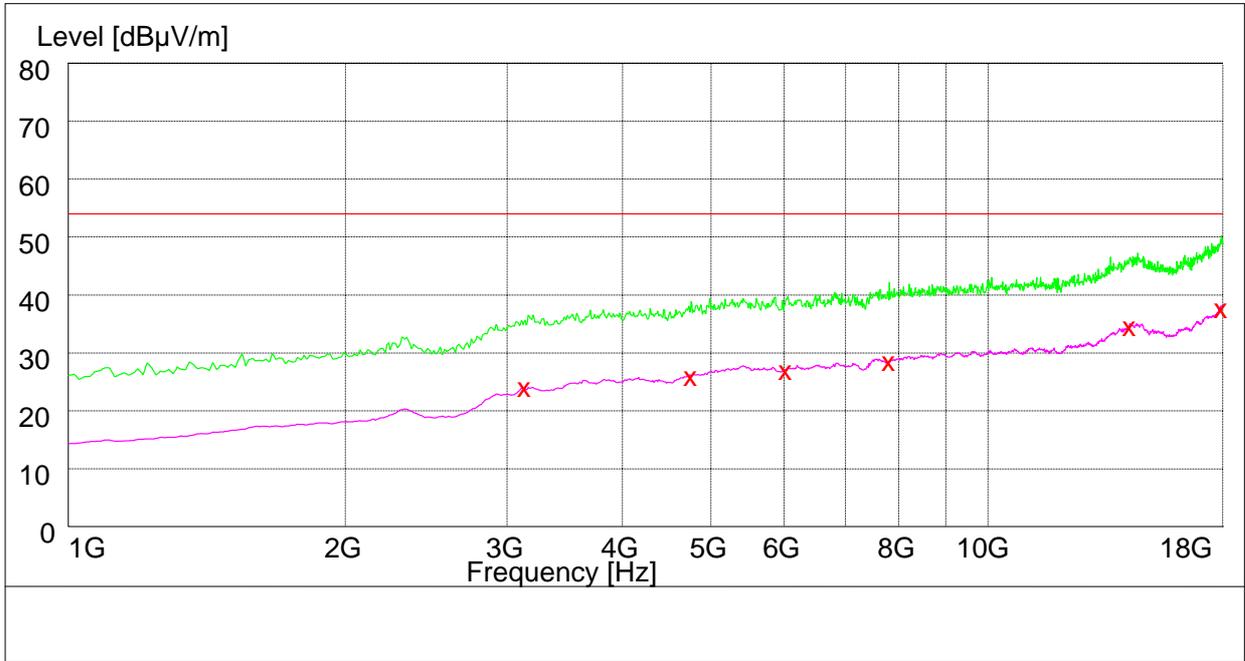
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
30.000000	33.80	11.8	40.0	6.2	206.0	146.0	VERTICAL
39.600000	23.30	13.0	40.0	16.7	176.0	347.0	HORIZONTAL
96.600000	20.40	12.8	43.5	23.1	204.0	73.0	VERTICAL
388.800000	24.00	17.8	46.0	22.0	215.0	83.0	VERTICAL
528.540000	27.80	20.9	46.0	18.2	240.0	261.0	VERTICAL
734.340000	31.00	23.8	46.0	15.0	106.0	0.0	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
3154.000000	23.80	-8.4	54.0	30.2	113.0	59.00	VERTICAL
4754.500000	25.70	-4.2	54.0	28.3	178.0	174.00	VERTICAL
6010.000000	26.80	-1.5	54.0	27.2	142.0	202.00	HORIZONTAL
7838.500000	28.60	1.9	54.0	25.4	180.0	148.00	VERTICAL
14156.500000	33.90	11.3	54.0	20.1	159.0	121.00	VERTICAL
17983.000000	37.70	17.2	54.0	16.3	183.0	266.00	HORIZONTAL

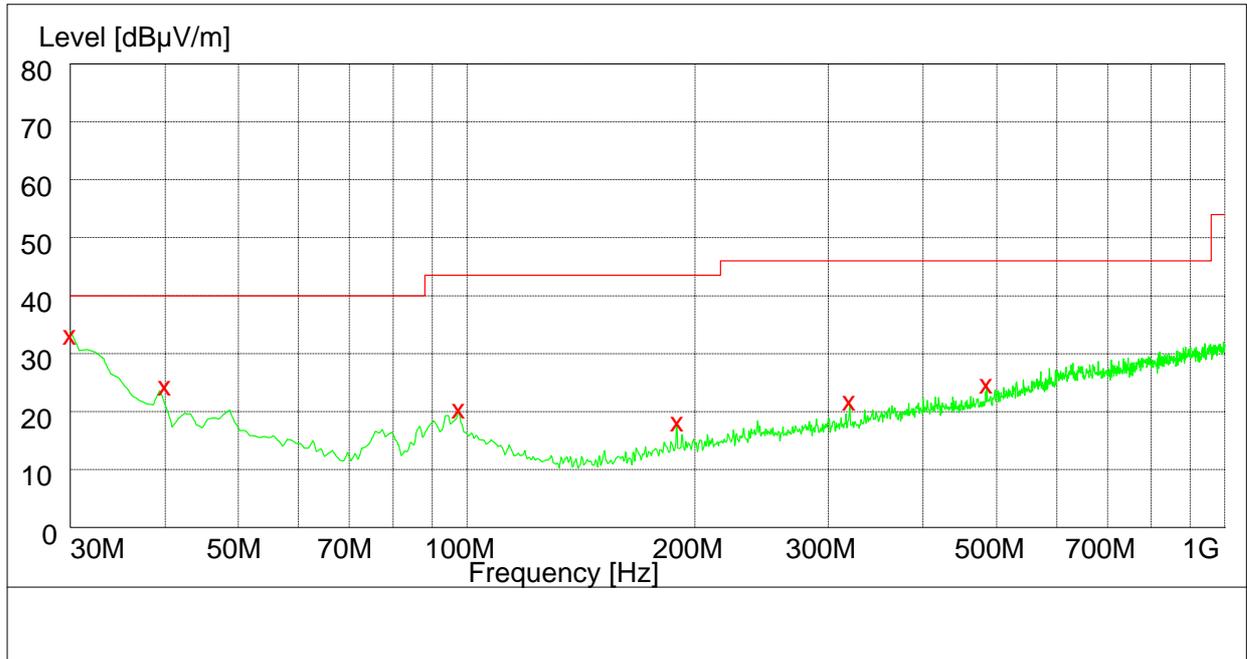


18GHz to 26GHz

Note: No peak found in pre- test.



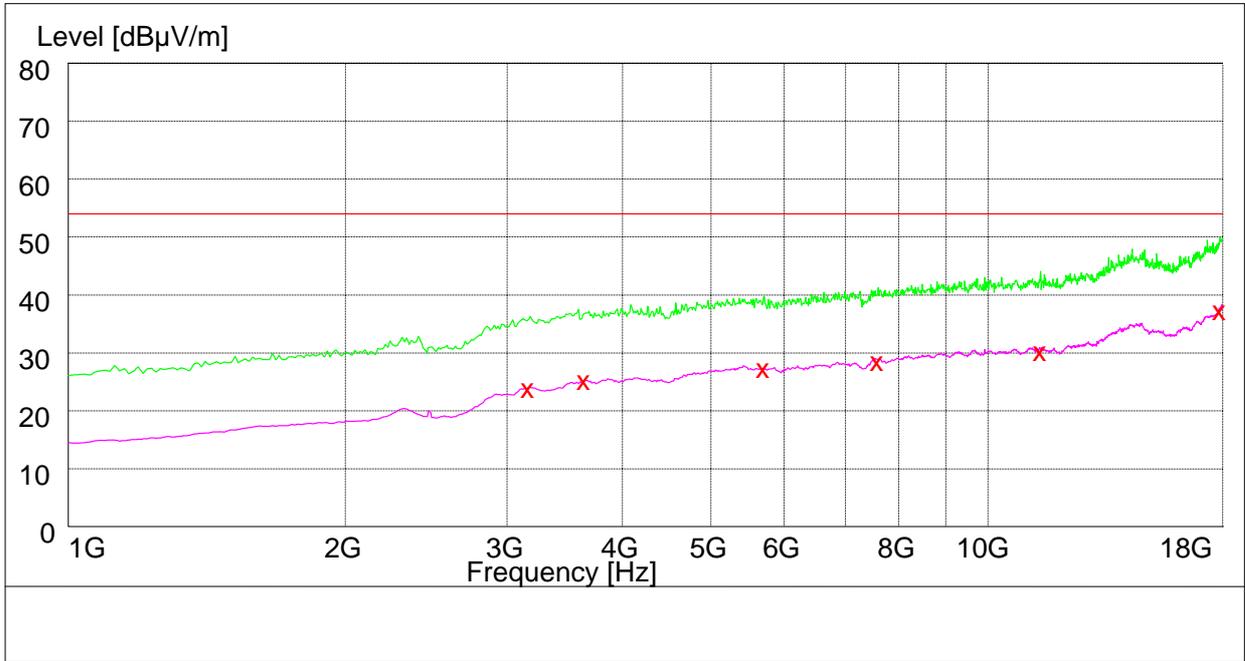
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
30.000000	33.20	11.8	40.0	6.8	144.0	87.00	HORIZONTAL
39.840000	24.30	13.1	40.0	15.7	181.0	241.00	HORIZONTAL
97.910000	20.10	12.9	43.5	23.4	180.0	257.00	HORIZONTAL
189.600000	18.50	11.8	43.5	25.0	272.0	320.00	VERTICAL
319.980000	22.20	16.0	46.0	23.8	264.0	149.00	HORIZONTAL
485.820000	25.10	19.8	46.0	20.9	286.0	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
3171.000000	22.70	-7.8	54.0	31.3	114.0	132.00	VERTICAL
3674.000000	25.20	-6.7	54.0	28.8	178.0	47.00	HORIZONTAL
5710.000000	27.30	-2.1	54.0	26.7	139.0	86.00	HORIZONTAL
7538.500000	28.40	1.3	54.0	25.6	125.0	210.00	HORIZONTAL
11432.000000	30.50	7.1	54.0	23.5	141.0	157.00	VERTICAL
17972.000000	37.60	16.9	54.0	16.4	102.0	146.00	VERTICAL

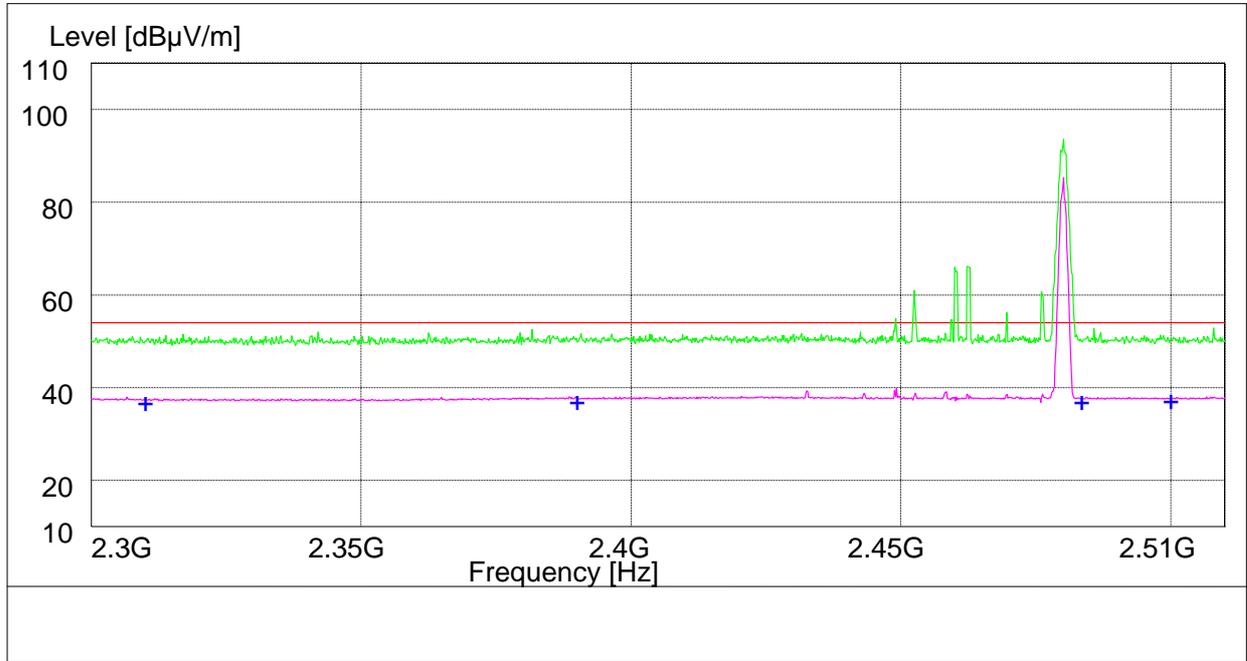


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



Note: The peak exceeds the limit line is carrier frequency.
The bands from 2.39GHz to 2.4835GHz 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	38.20	33.7	54.0	15.8	126.0	125.00	VERTICAL
2390.000000	38.40	33.7	54.0	15.6	175.0	117.00	HORIZONTAL
2483.500000	38.30	33.8	54.0	15.7	131.0	146.00	VERTICAL
2500.000000	38.50	33.8	54.0	15.5	183.0	167.00	HORIZONTAL



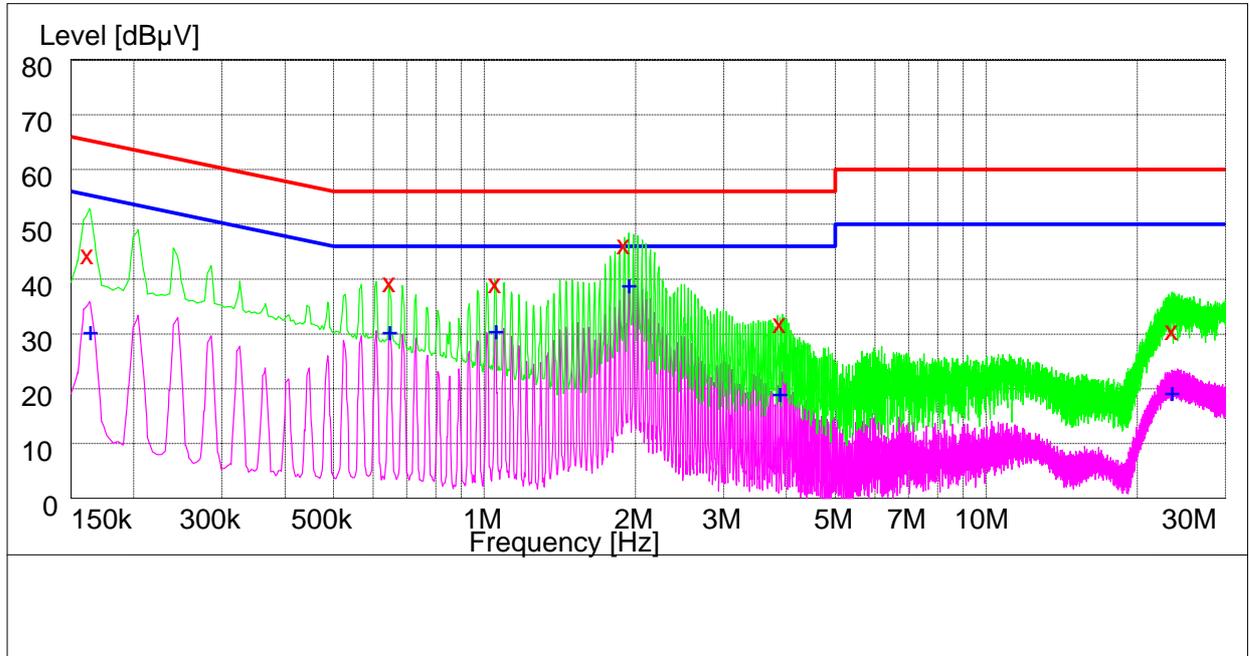
Appendix I

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
0.162000	44.40	10.1	65	20.6	N	FLO
0.648000	39.30	10.1	56	16.7	N	FLO
1.052000	39.00	10.1	56	17.0	N	FLO
1.900000	46.20	10.1	56	9.8	N	FLO
3.886000	31.80	10.2	56	24.2	N	FLO
23.480000	30.60	10.4	60	29.4	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.164000	30.30	10.1	55	24.7	N	FLO
0.648000	30.40	10.1	46	15.6	N	FLO
1.054000	30.60	10.1	46	15.4	N	FLO
1.944000	38.80	10.1	46	7.2	N	FLO
3.888000	19.10	10.2	46	26.9	N	FLO
23.464000	19.30	10.4	50	30.7	N	FLO



Appendix J

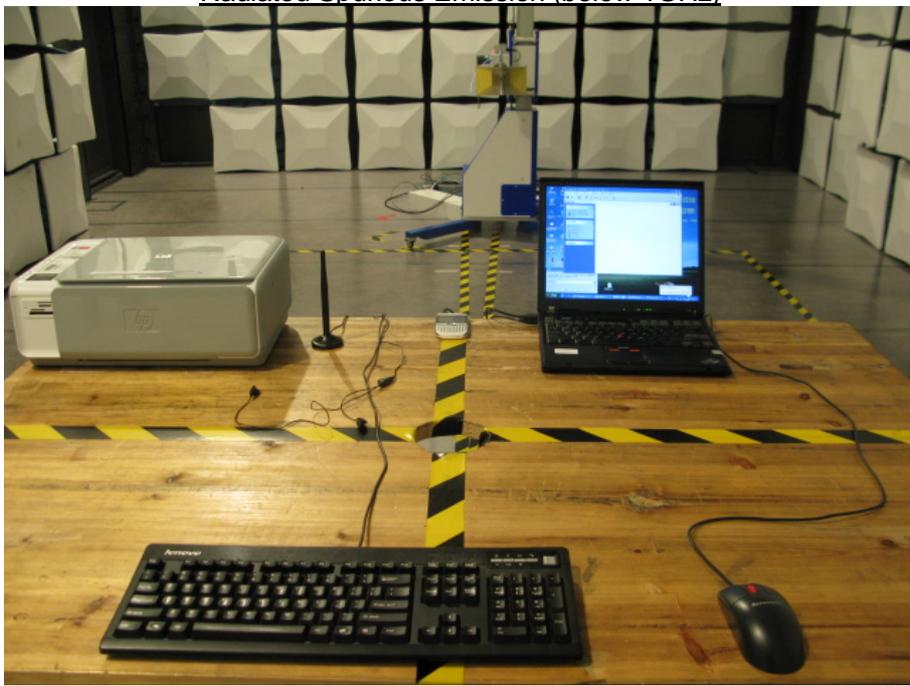
Photos of Test Setup



1 Radiated Spurious Emissions



Radiated Spurious Emission (below 1GHz)

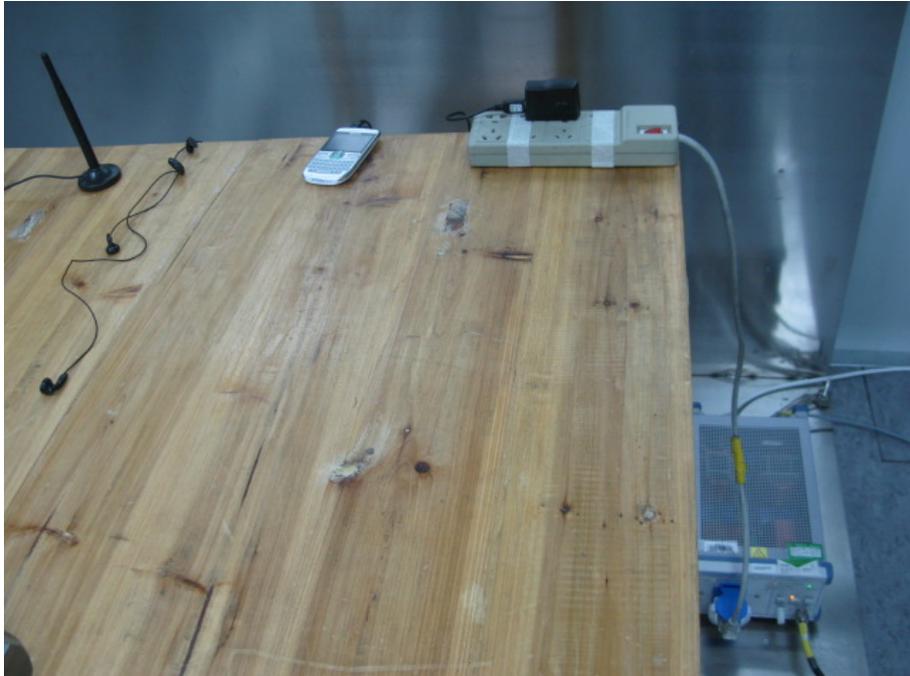


Radiated Spurious Emission (1GHz to18GHz)



Radiated Spurious Emission (above 18GHz)

2 Conducted Emissions



Conducted Emissions for AC Ports