



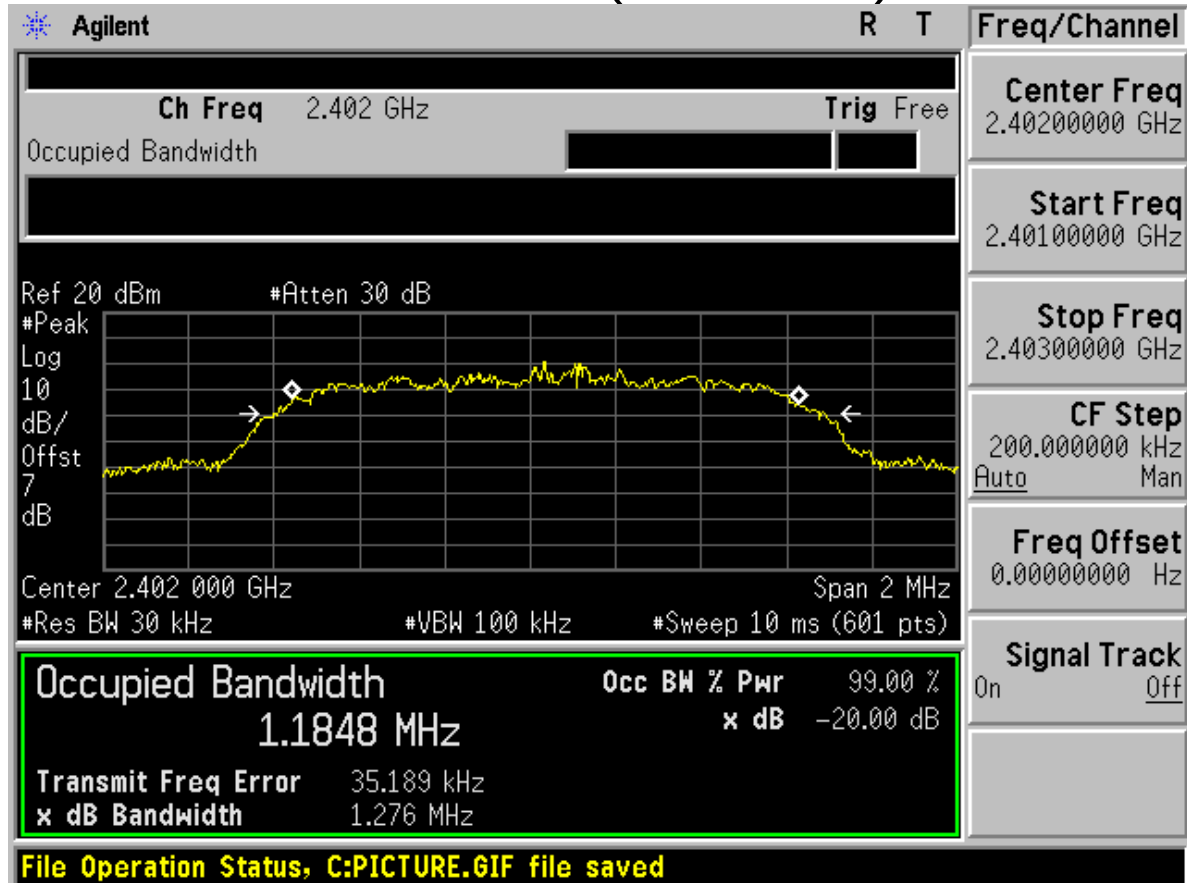
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

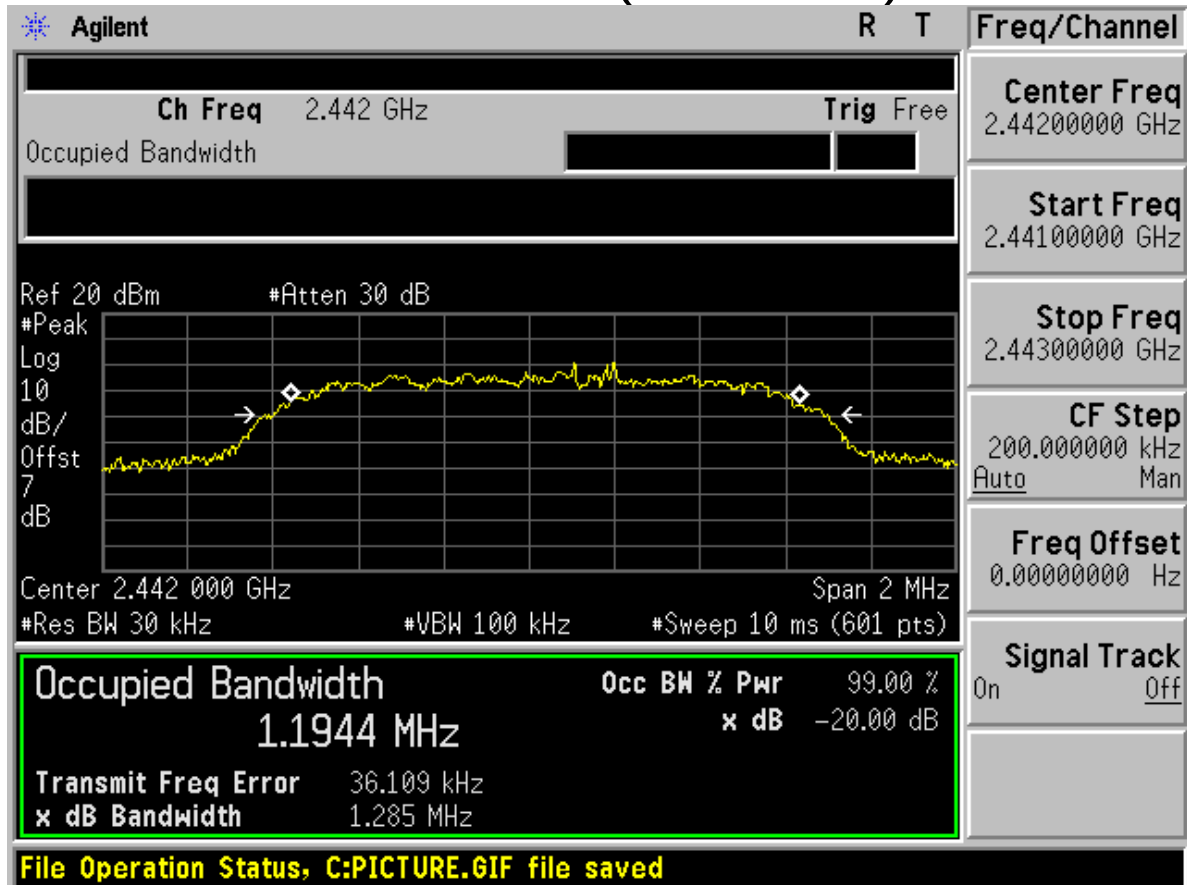


Modulation: $\pi/4$ -DQPSK Channel 0 (2402MHz)



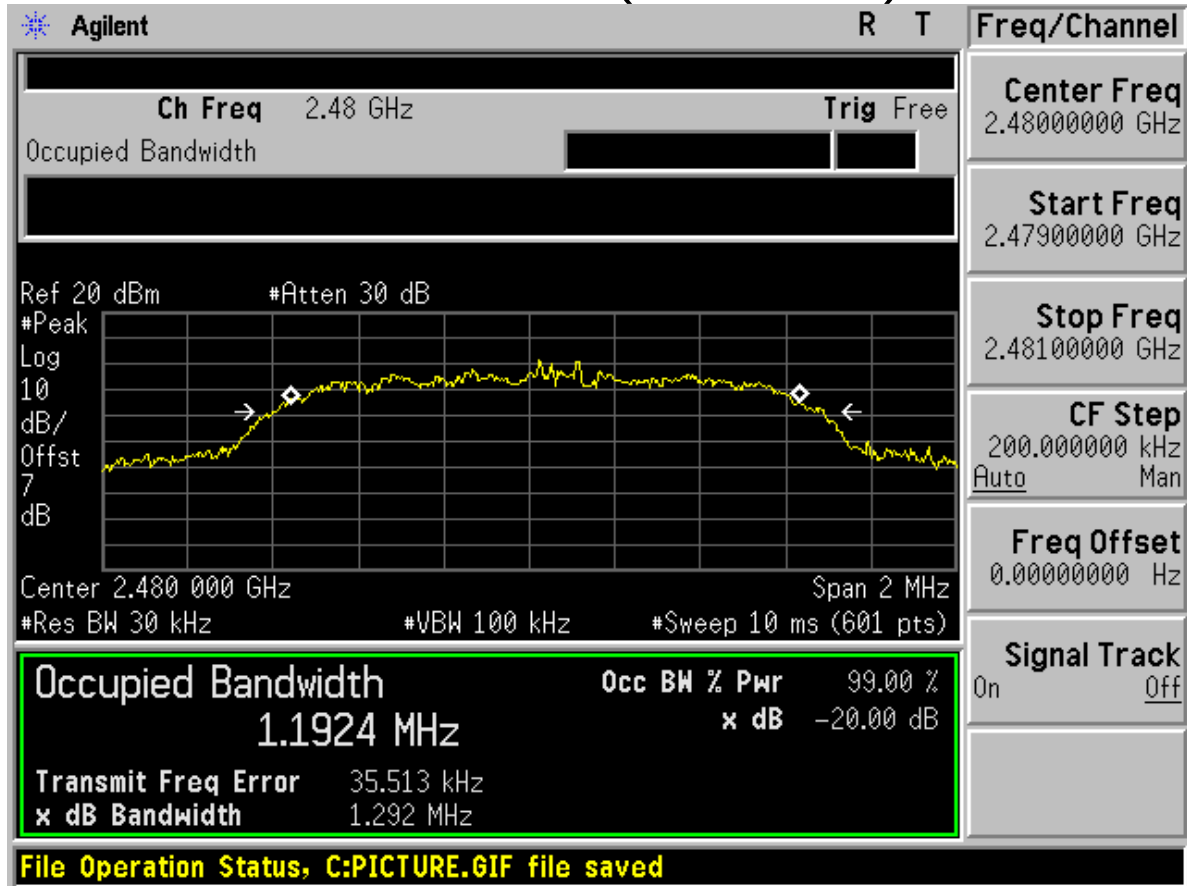


Channel 40 (2442MHz)



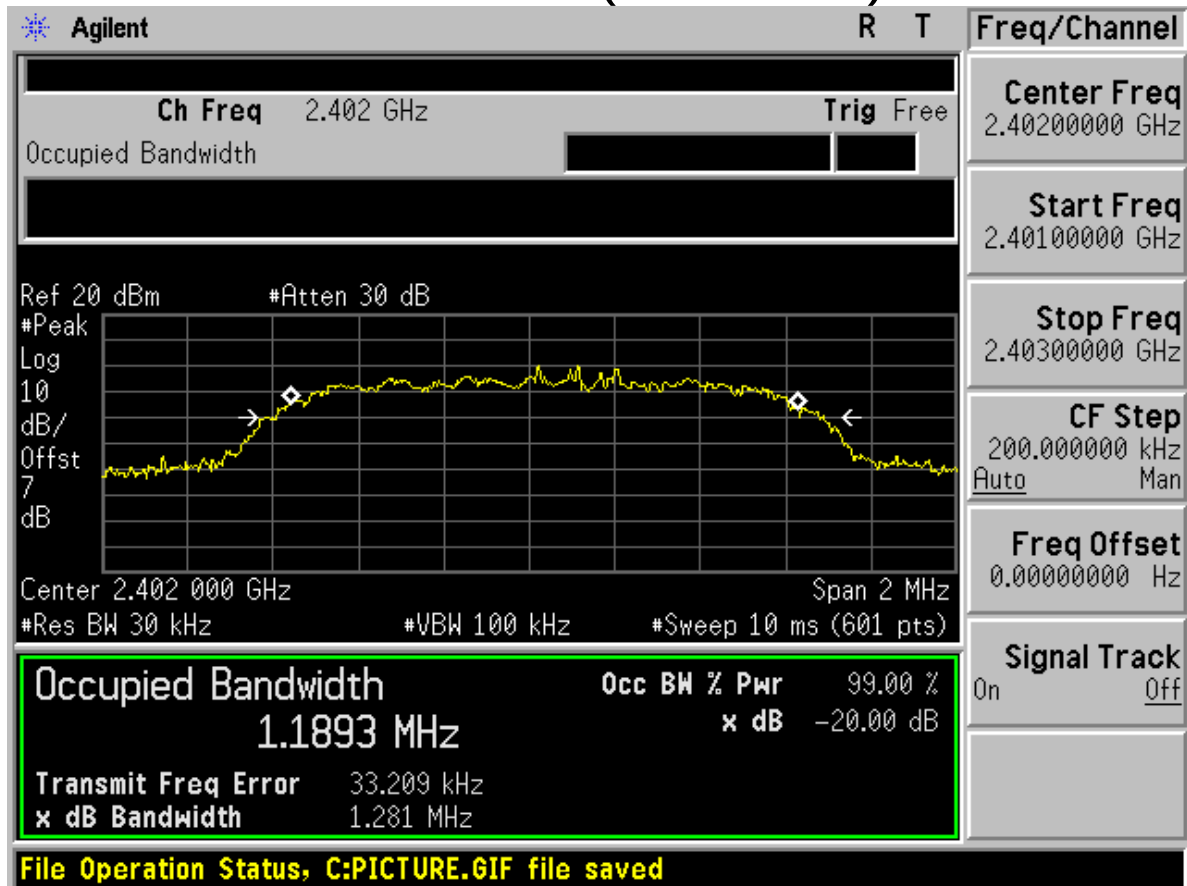


Channel 78 (2480MHz)



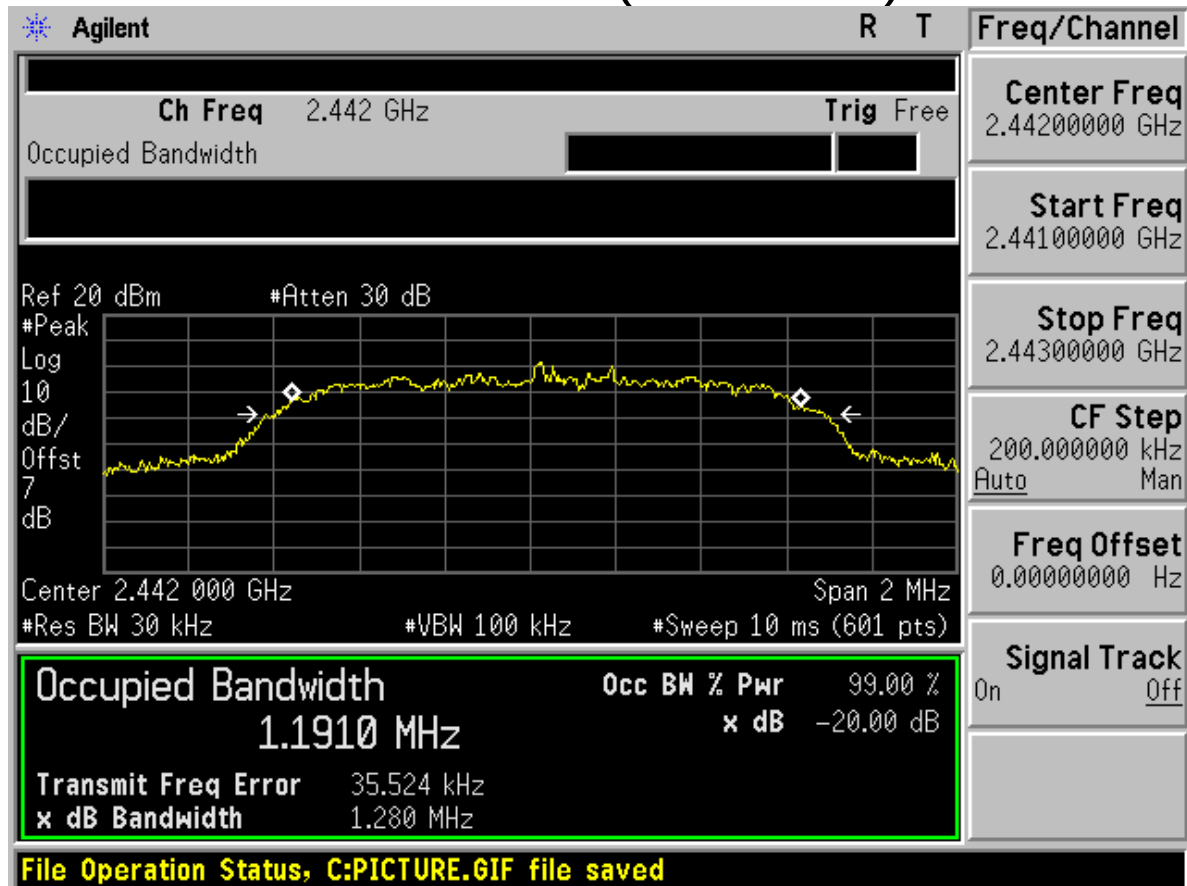


Modulation: 8DPSK Channel 0 (2402MHz)



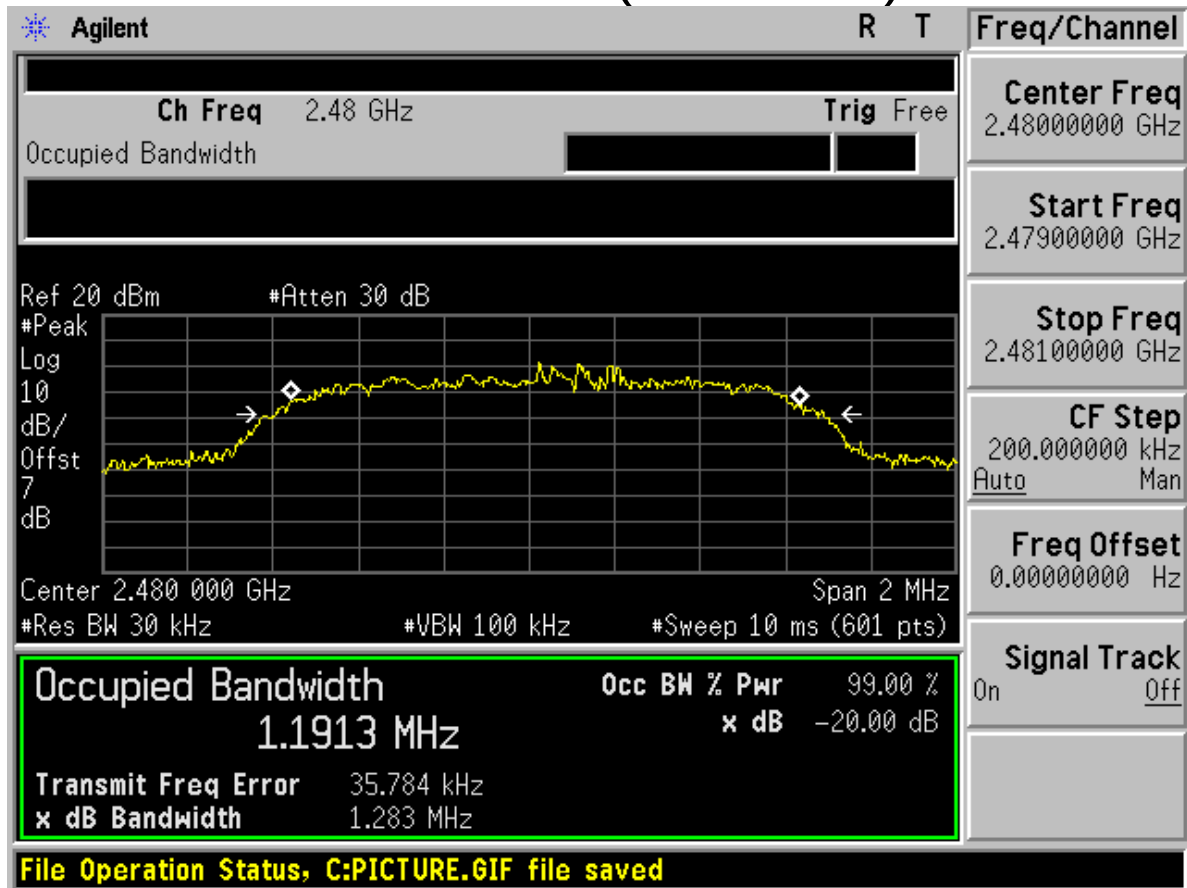


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix B

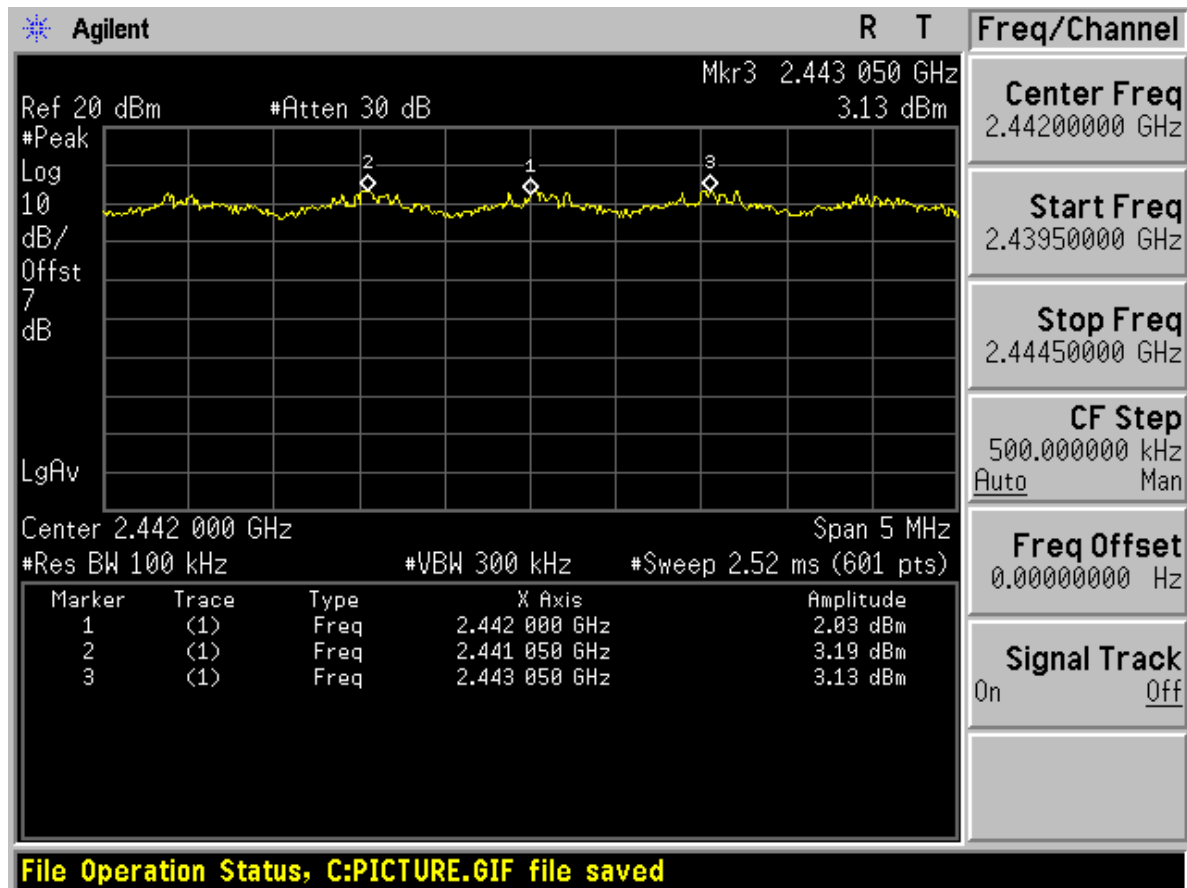
Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



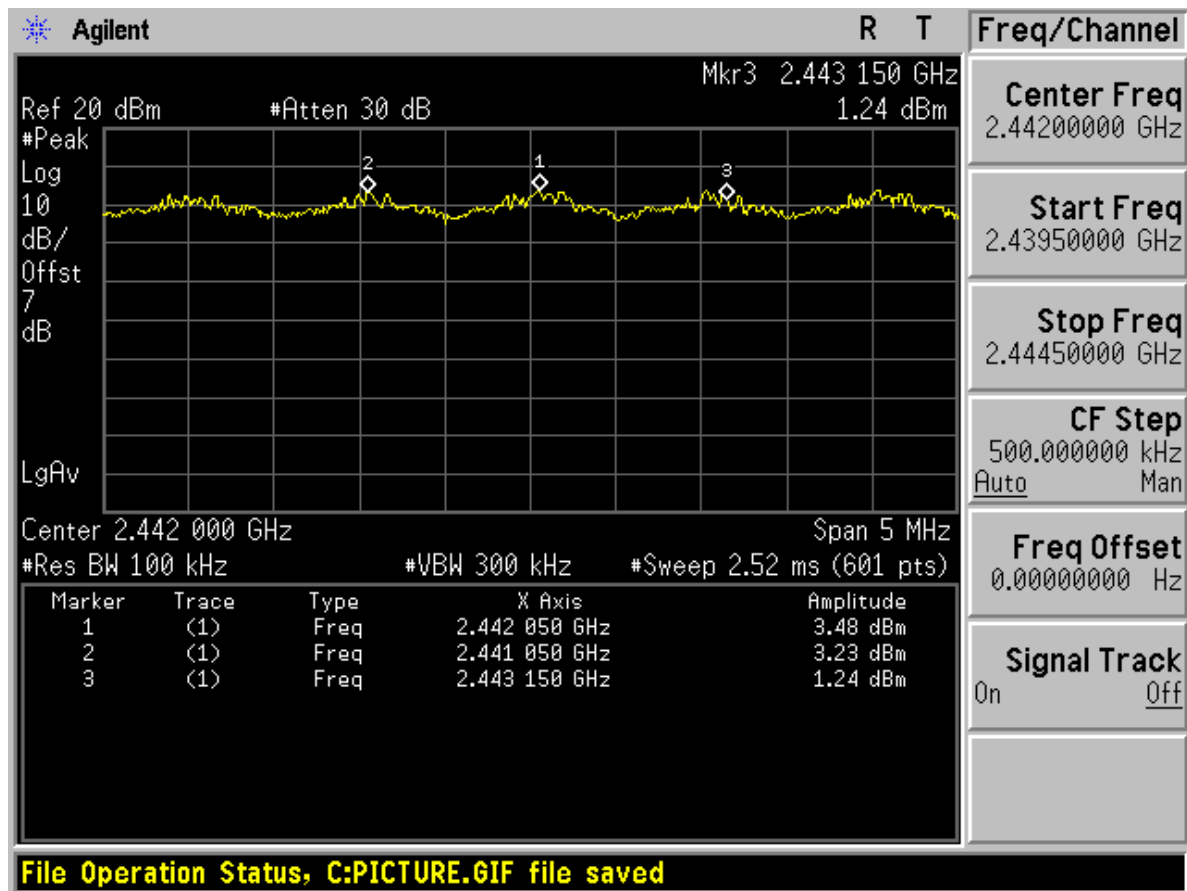
Modulation: $\pi/4$ -DQPSK

Centred at Channel 40





Modulation: 8DPSK Centred at Channel 40





Appendix C

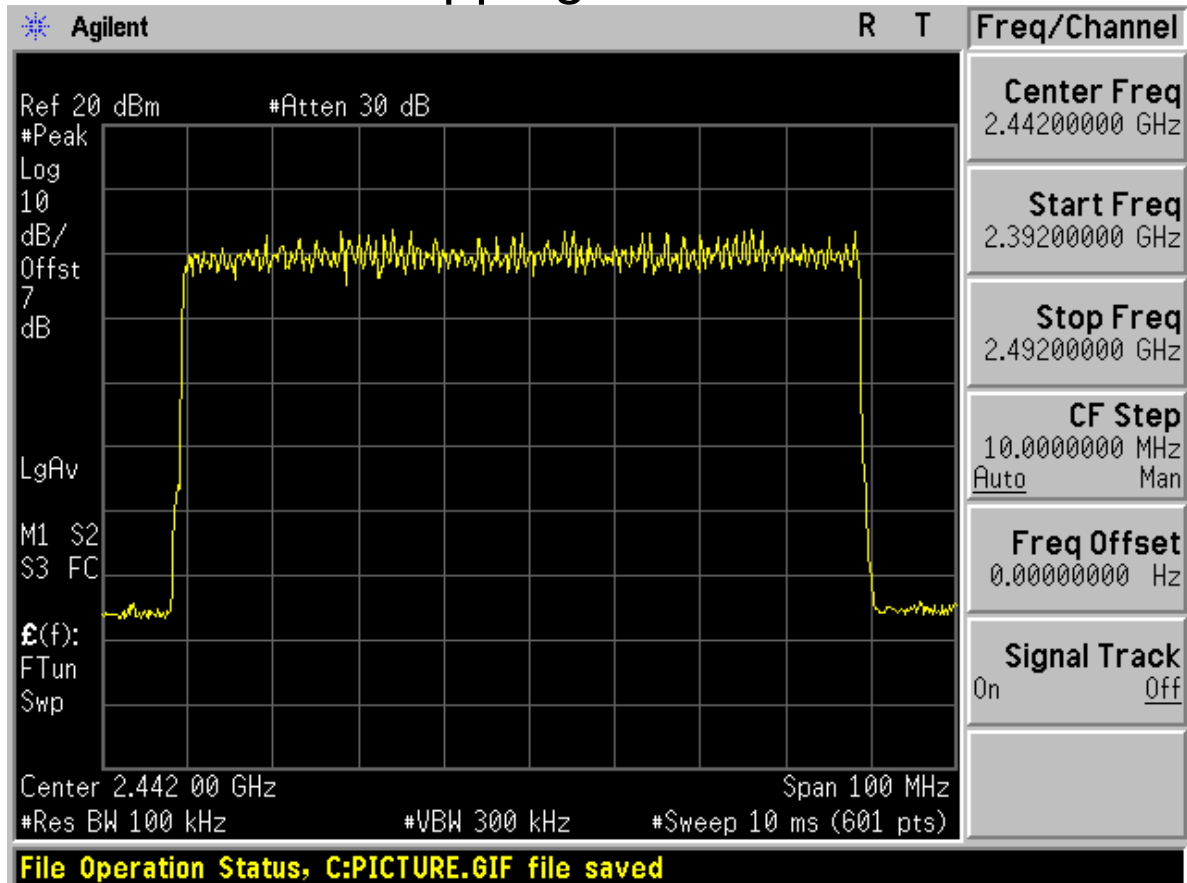
Number of hopping channel

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



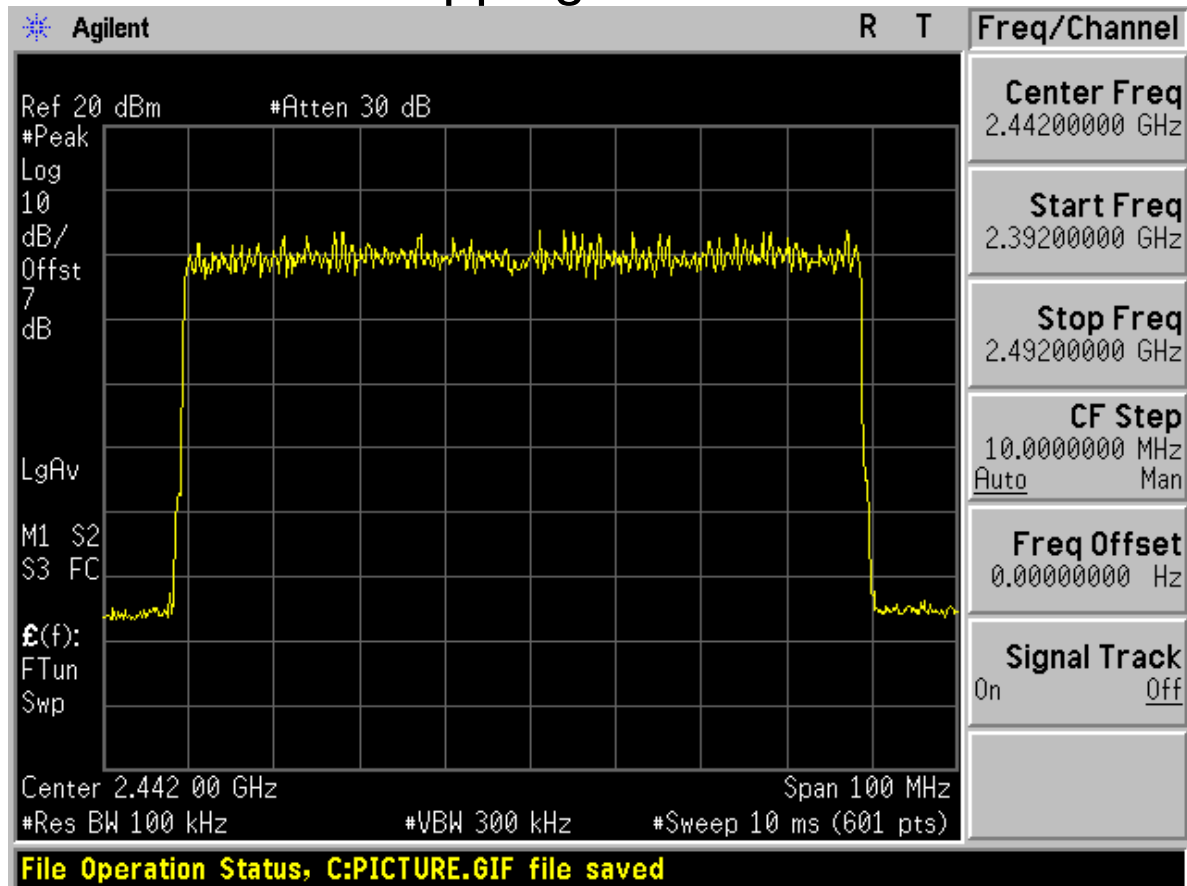
Modulation: $\pi/4$ -DQPSK

Total hopping channels = 79





Modulation: 8DPSK Total hopping channels = 79





Appendix D

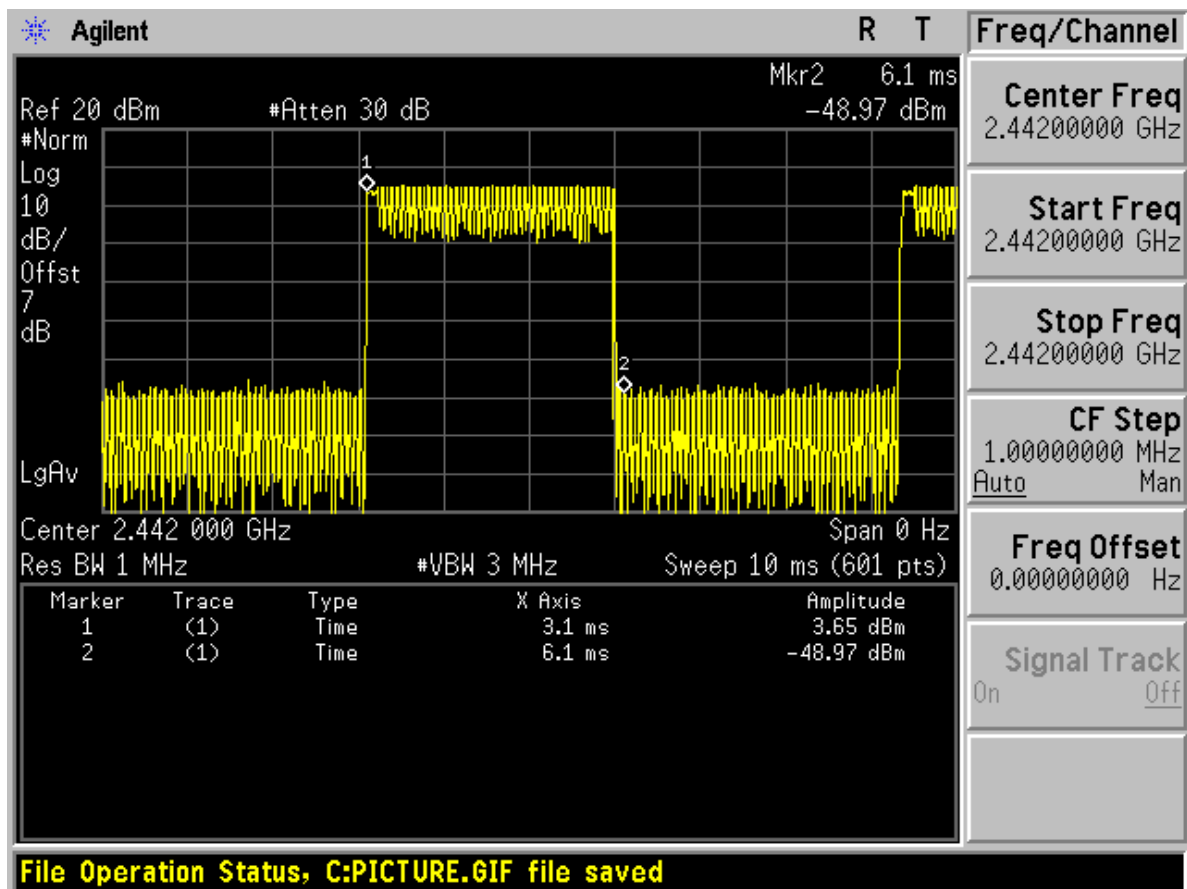
Time of occupancy

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



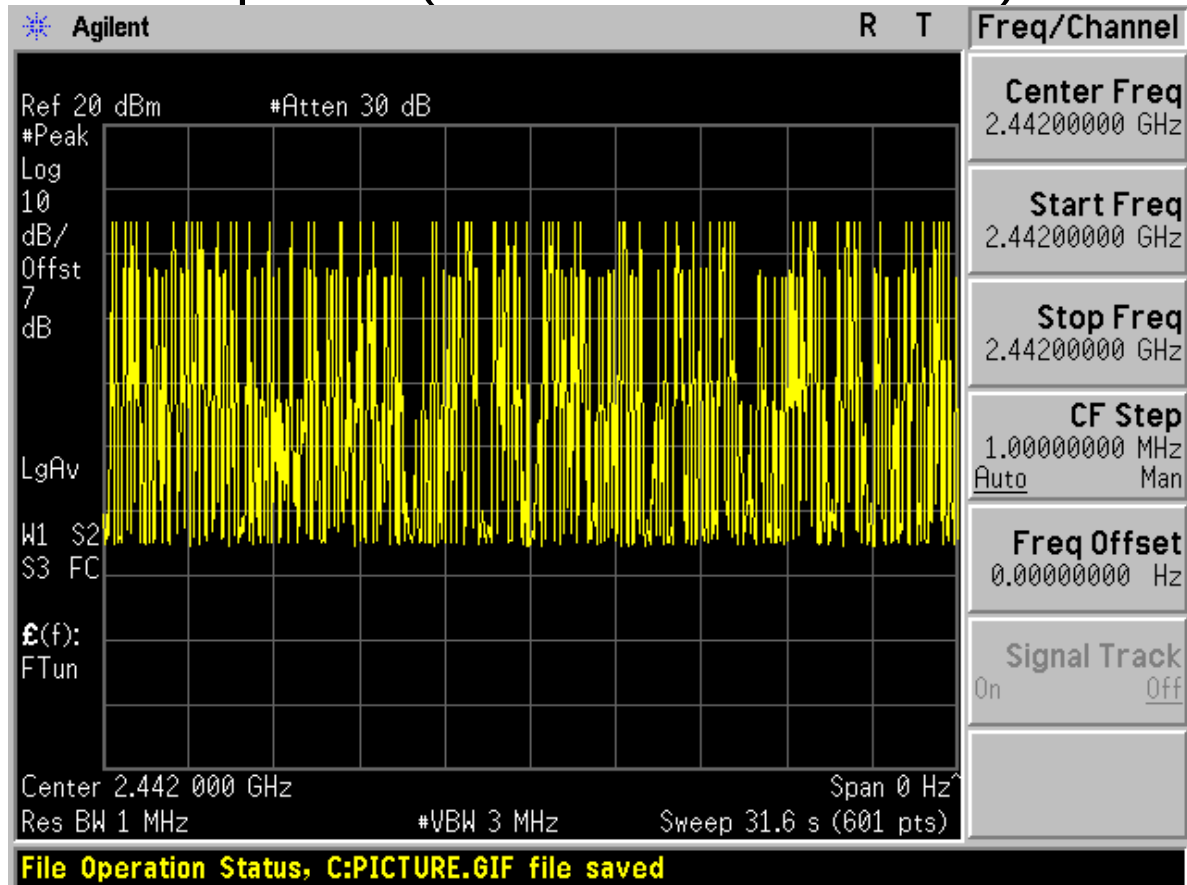
Modulation: $\pi/4$ -DQPSK

A burst (One time slot)





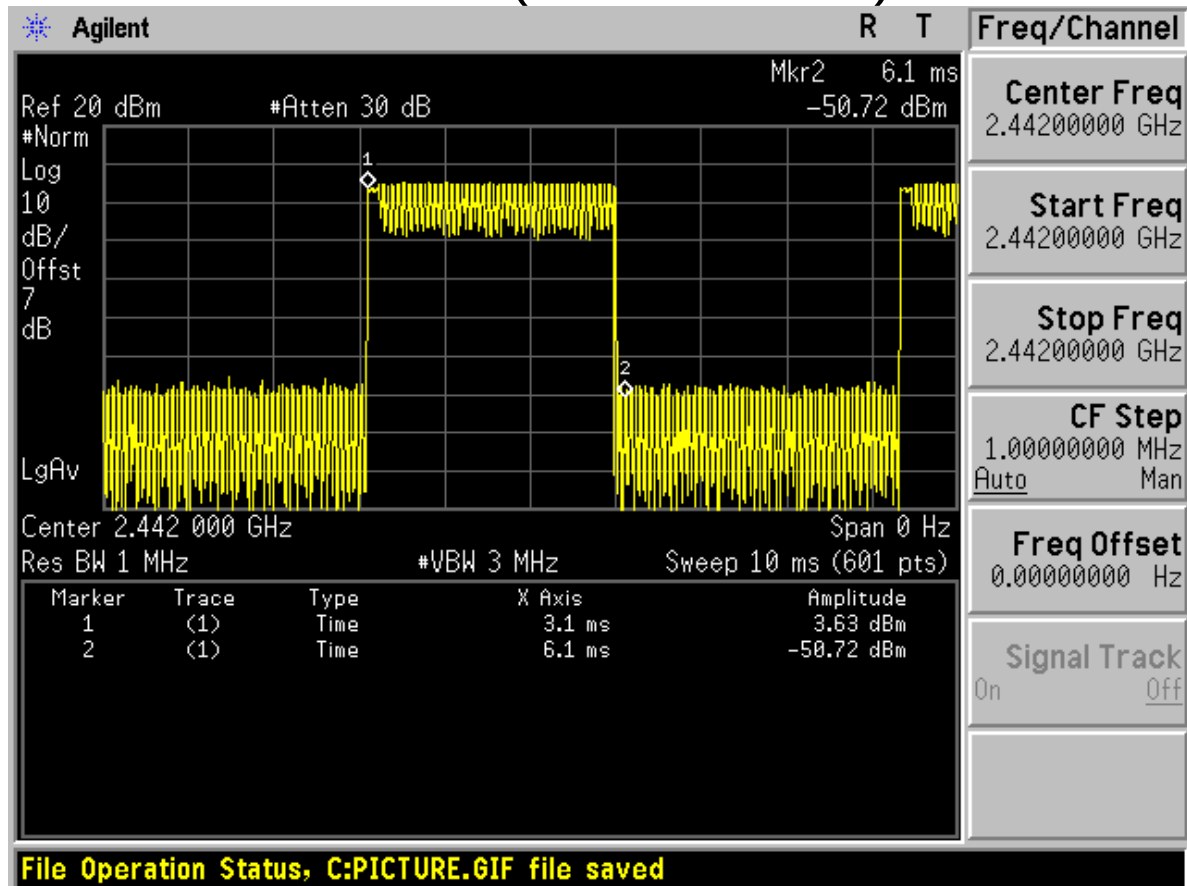
A period (Less than 106.7 burst)





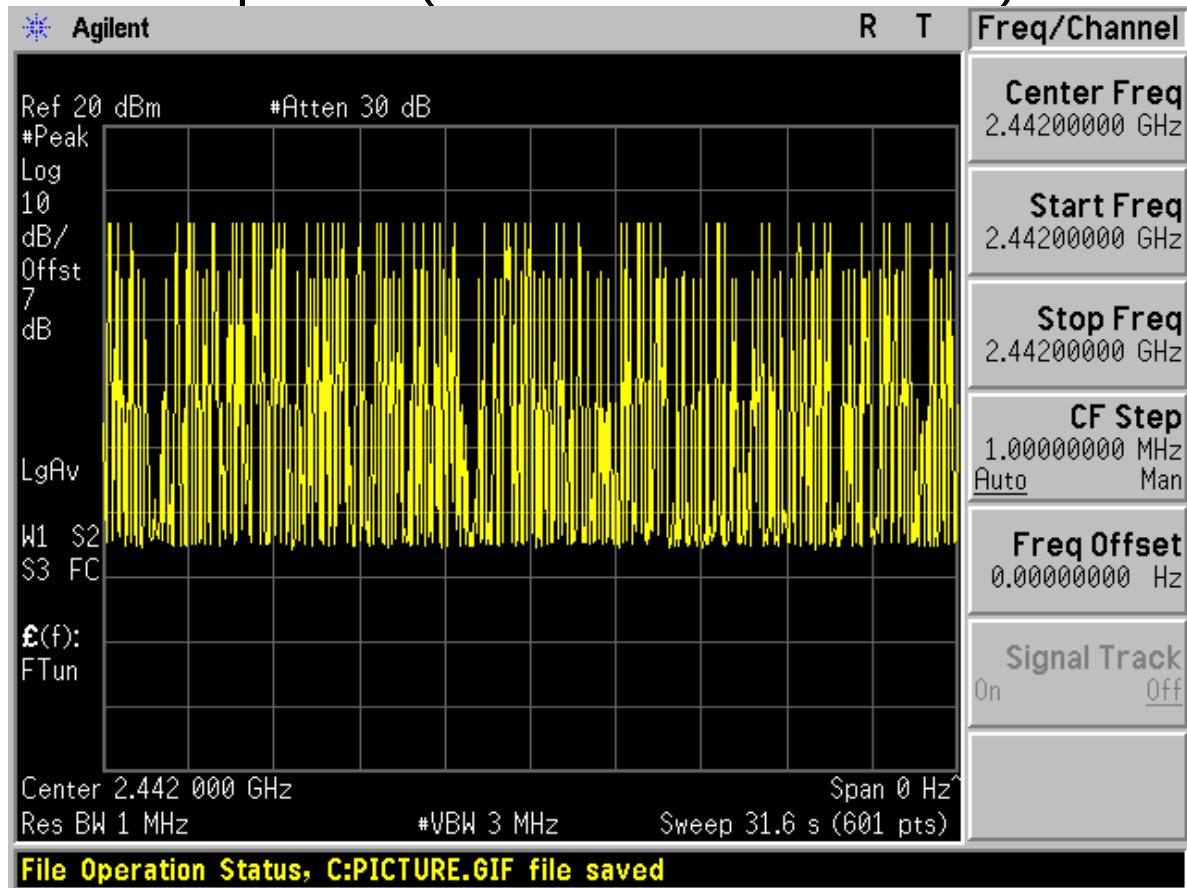
Modulation: 8DPSK

A burst (One time slot)





A period (Less than 106.7 burst)





Appendix E

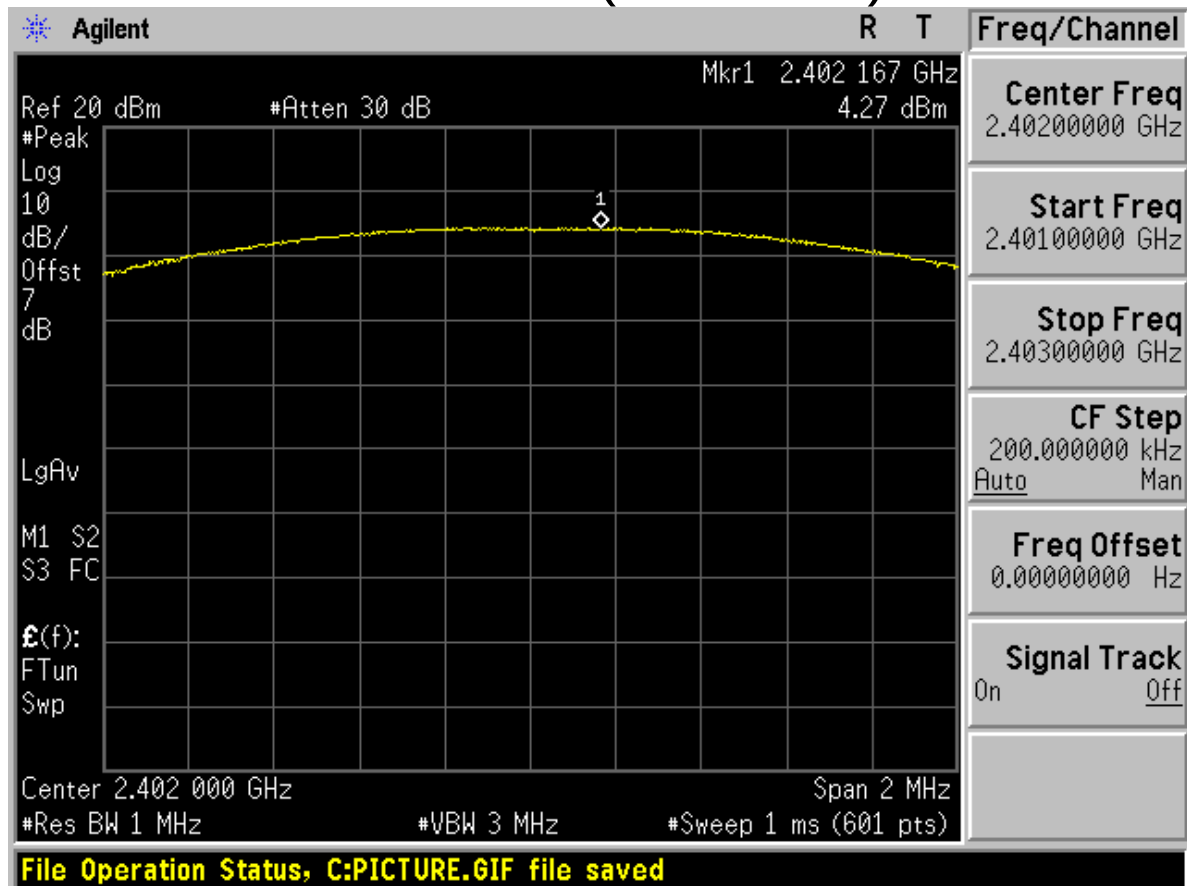
Peak output power

According to FCC Part 15.247 (b) (1)



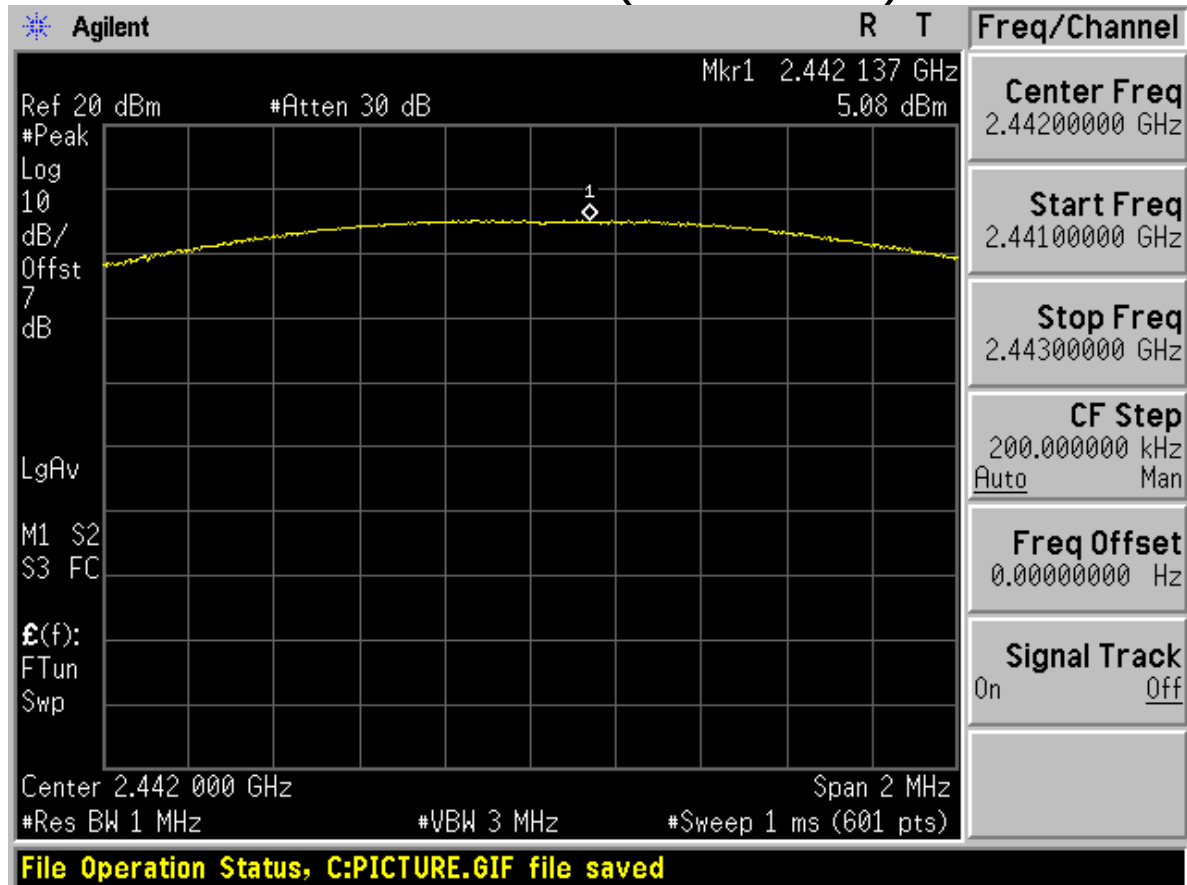
Modulation: $\pi/4$ -DQPSK

Channel 0 (2402MHz)



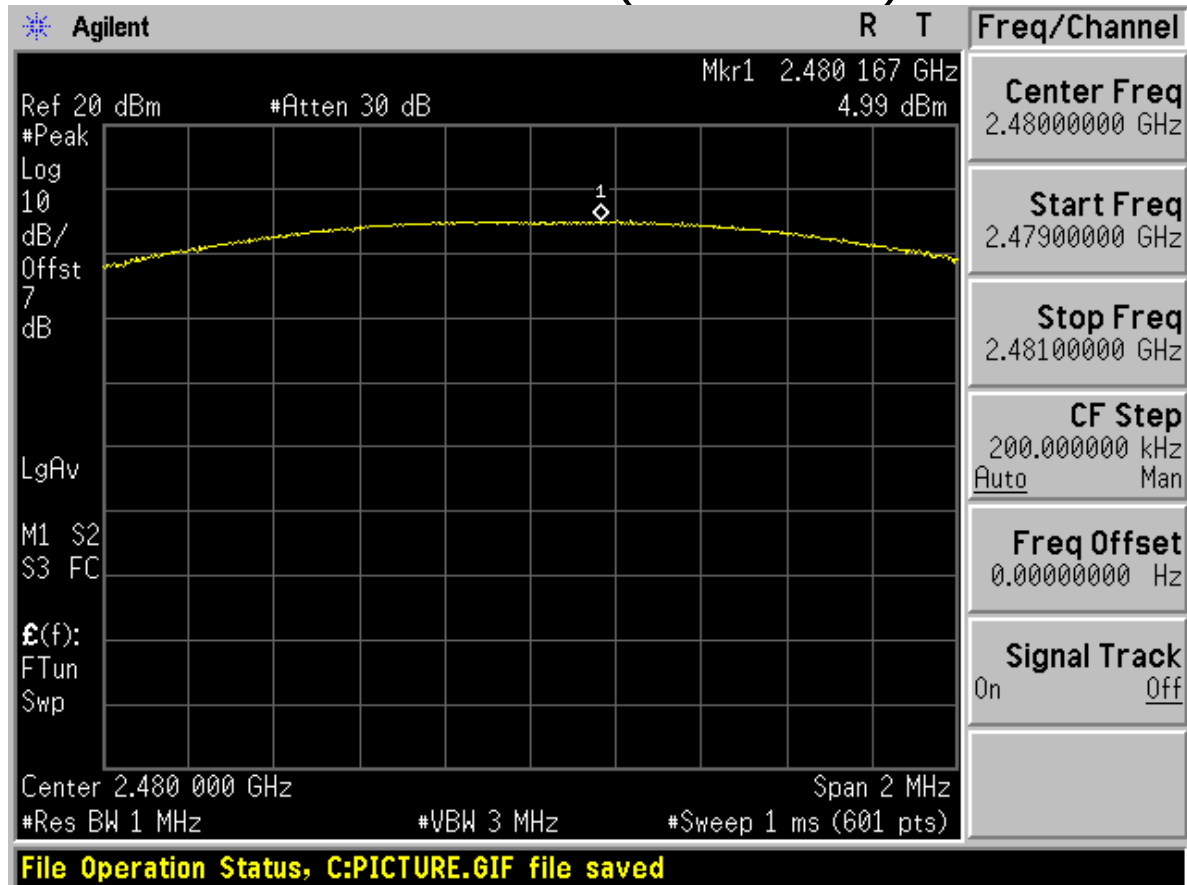


Channel 40 (2442MHz)



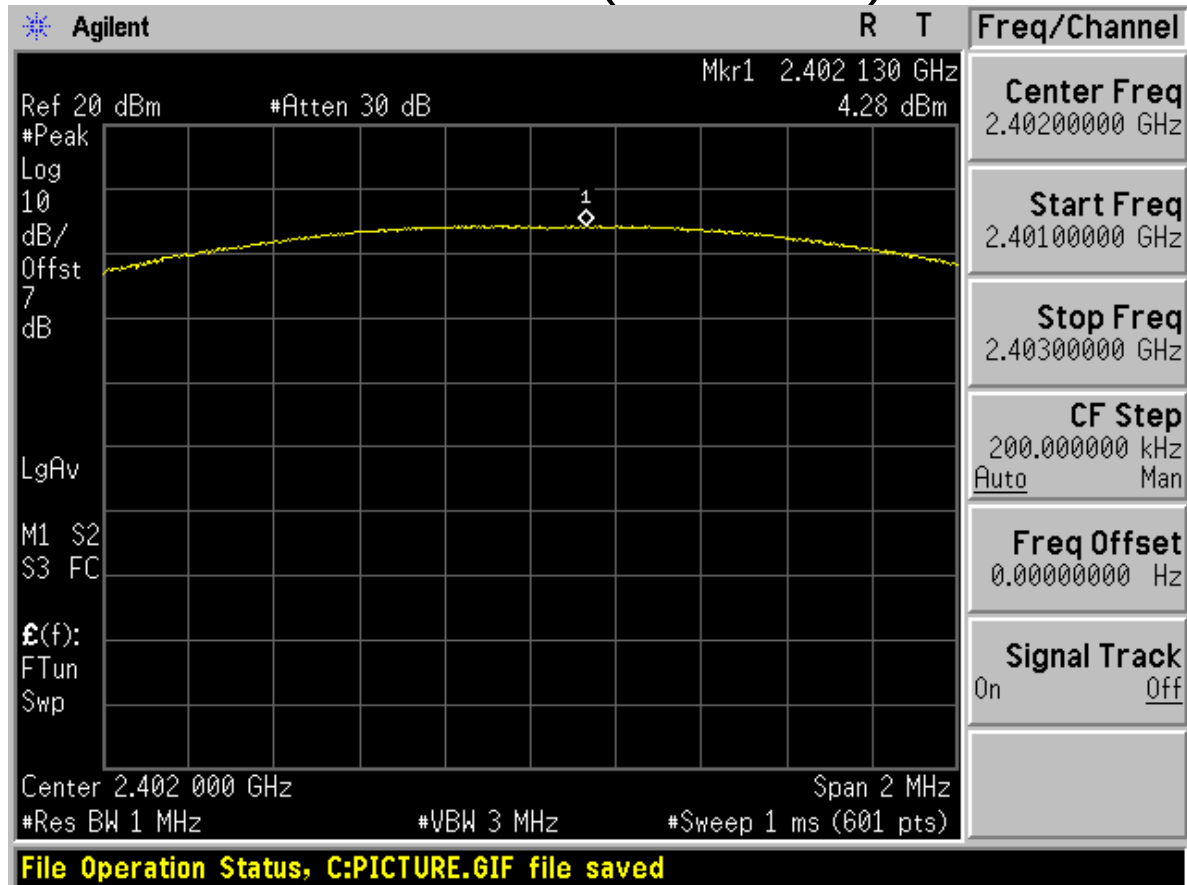


Channel 78 (2480MHz)



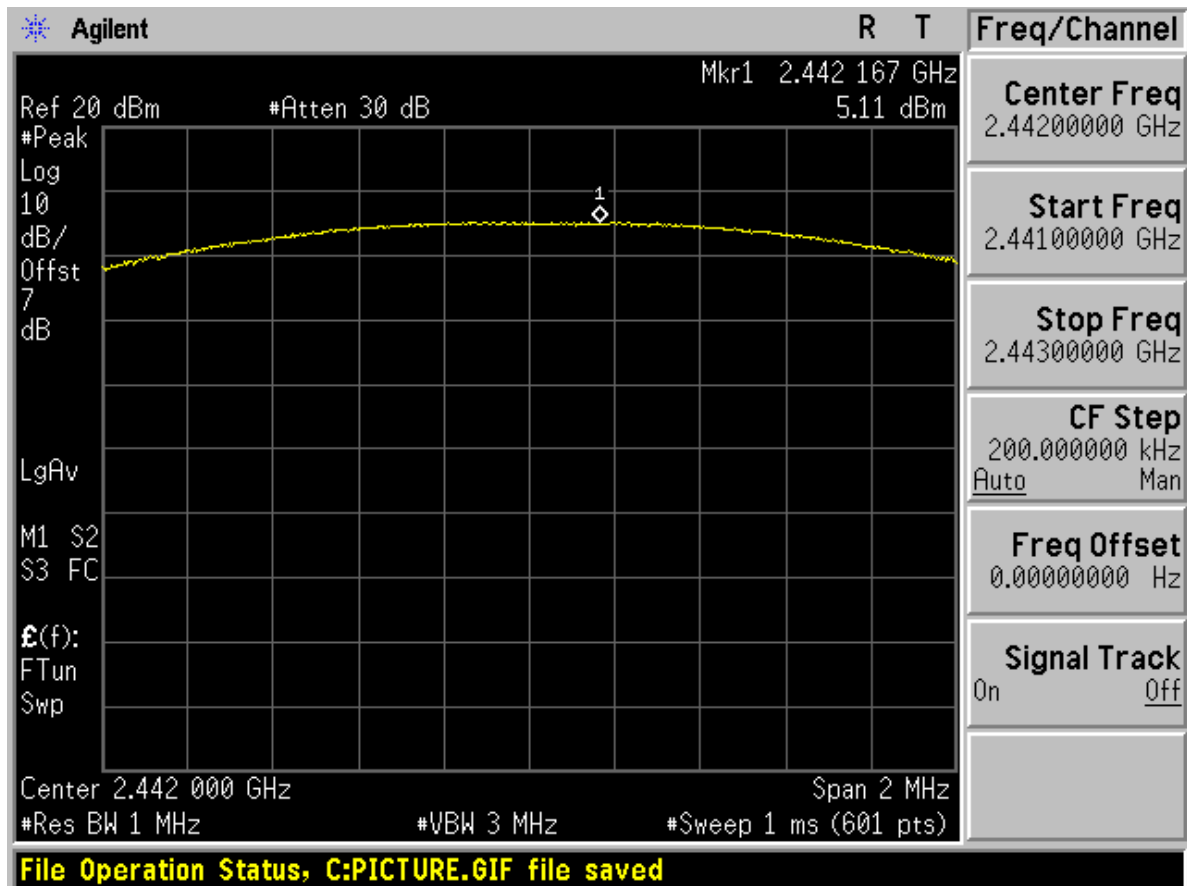


Modulation: 8DPSK Channel 0 (2402MHz)



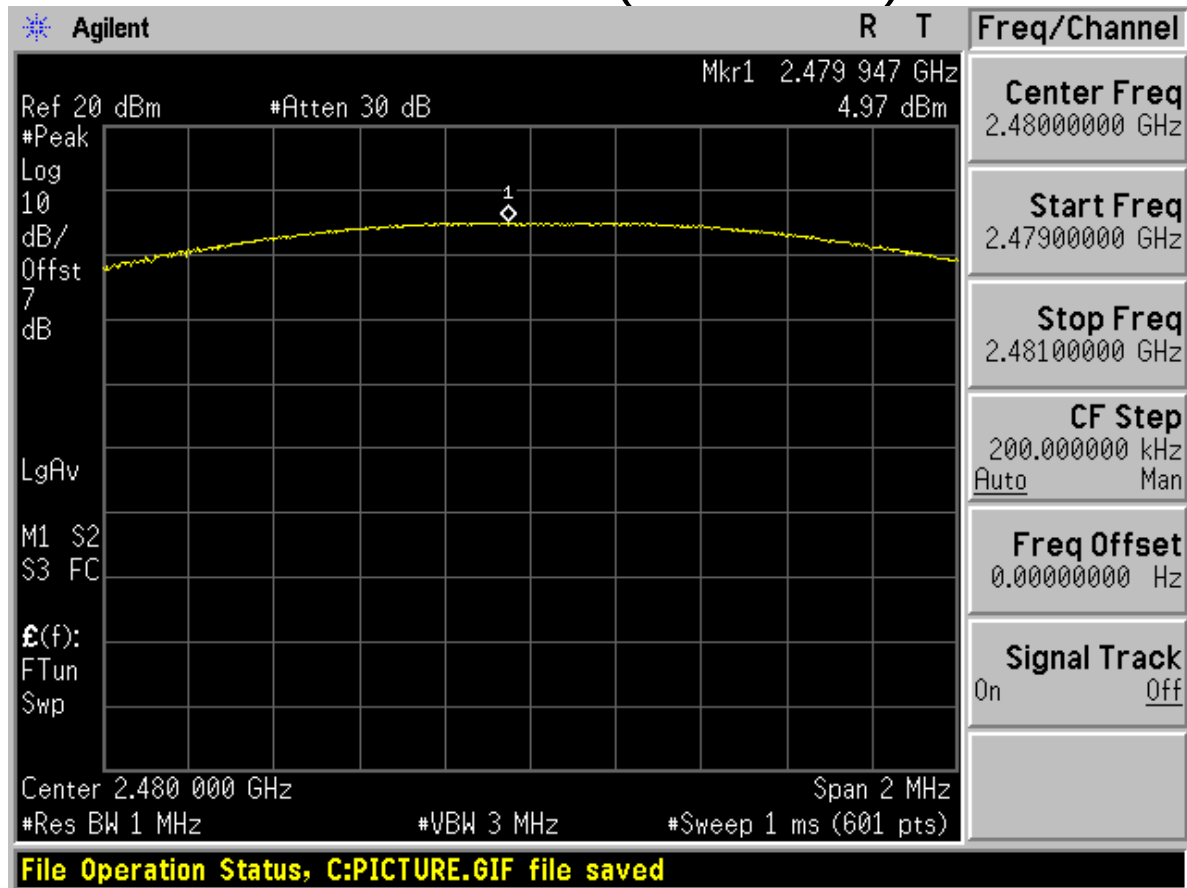


Channel 40 (2442MHz)





Channel 78 (2480MHz)





Appendix F

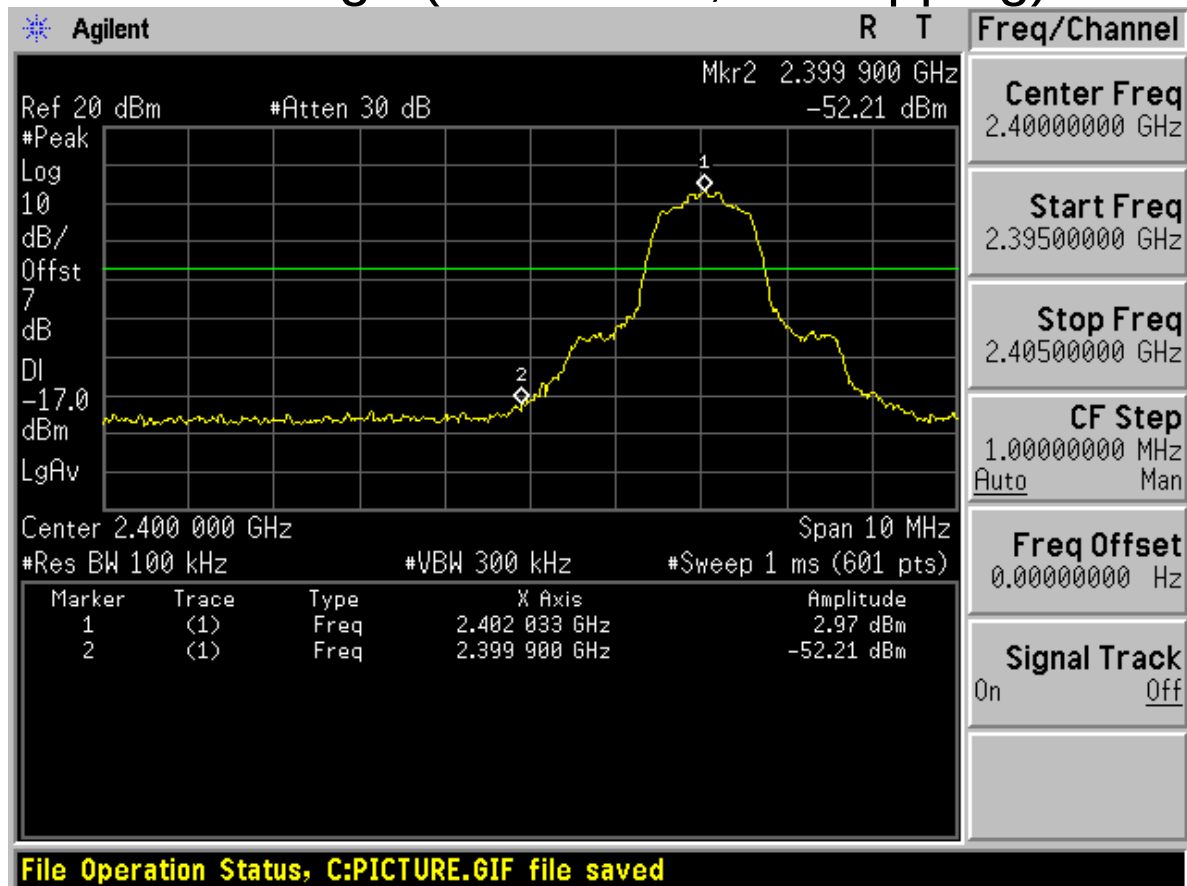
Band edge spurious emission

According to FCC Part 15.247 (d)



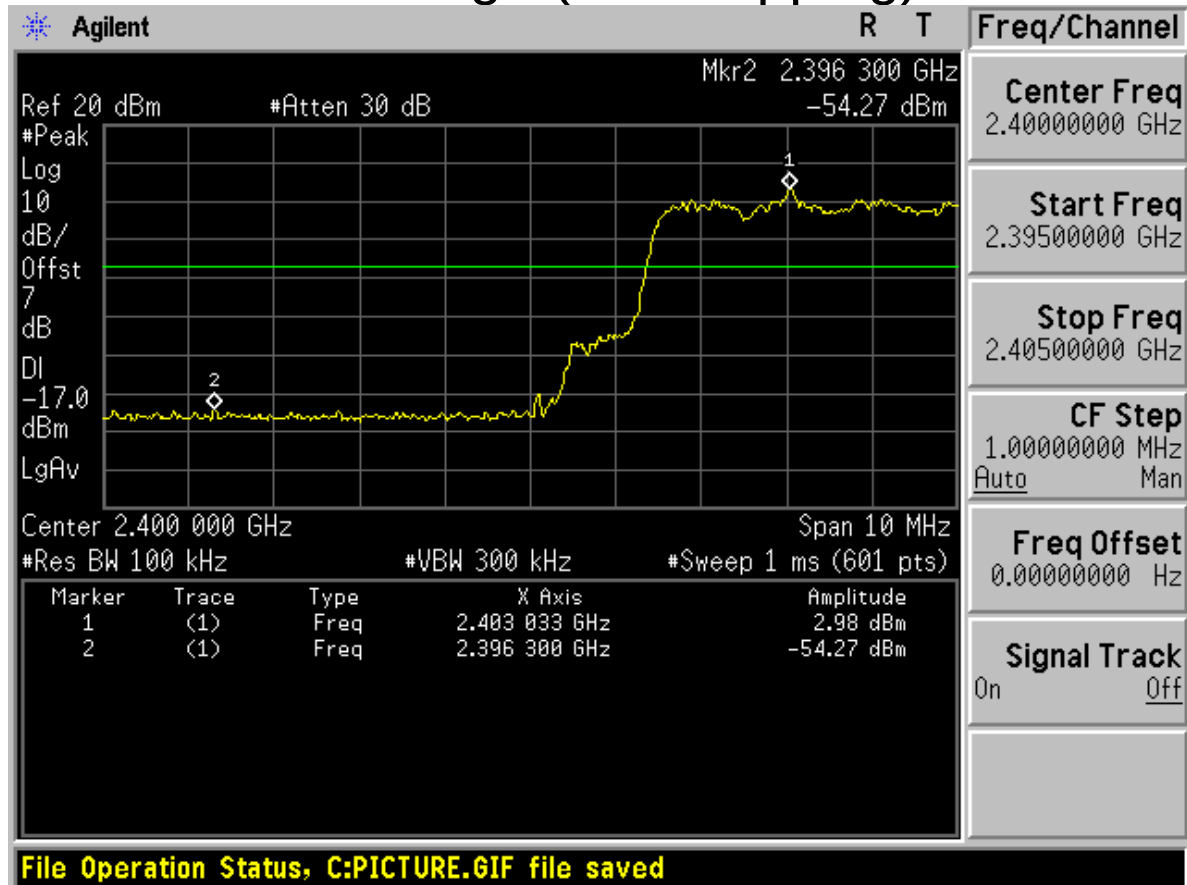
Modulation: $\pi/4$ -DQPSK

Low edge (Channel 0, no hopping)



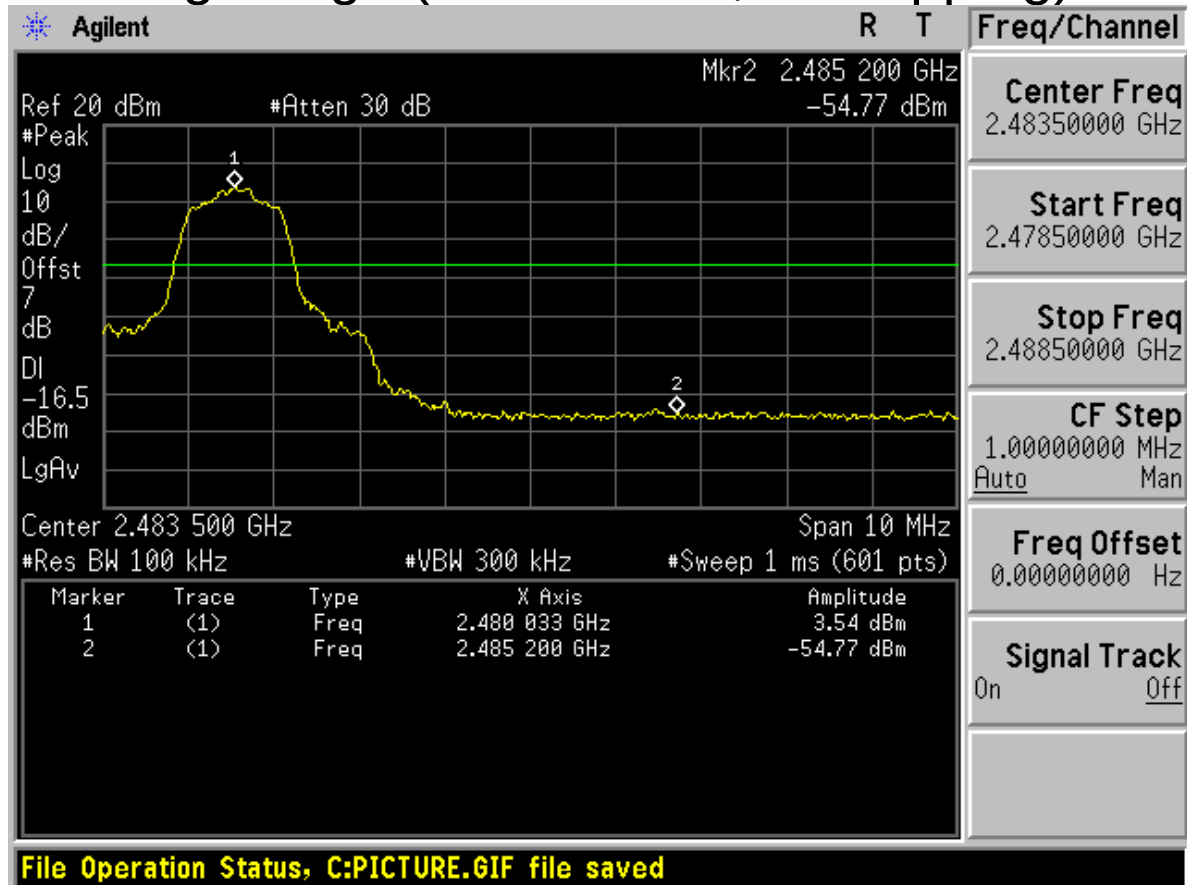


Low edge (with hopping)



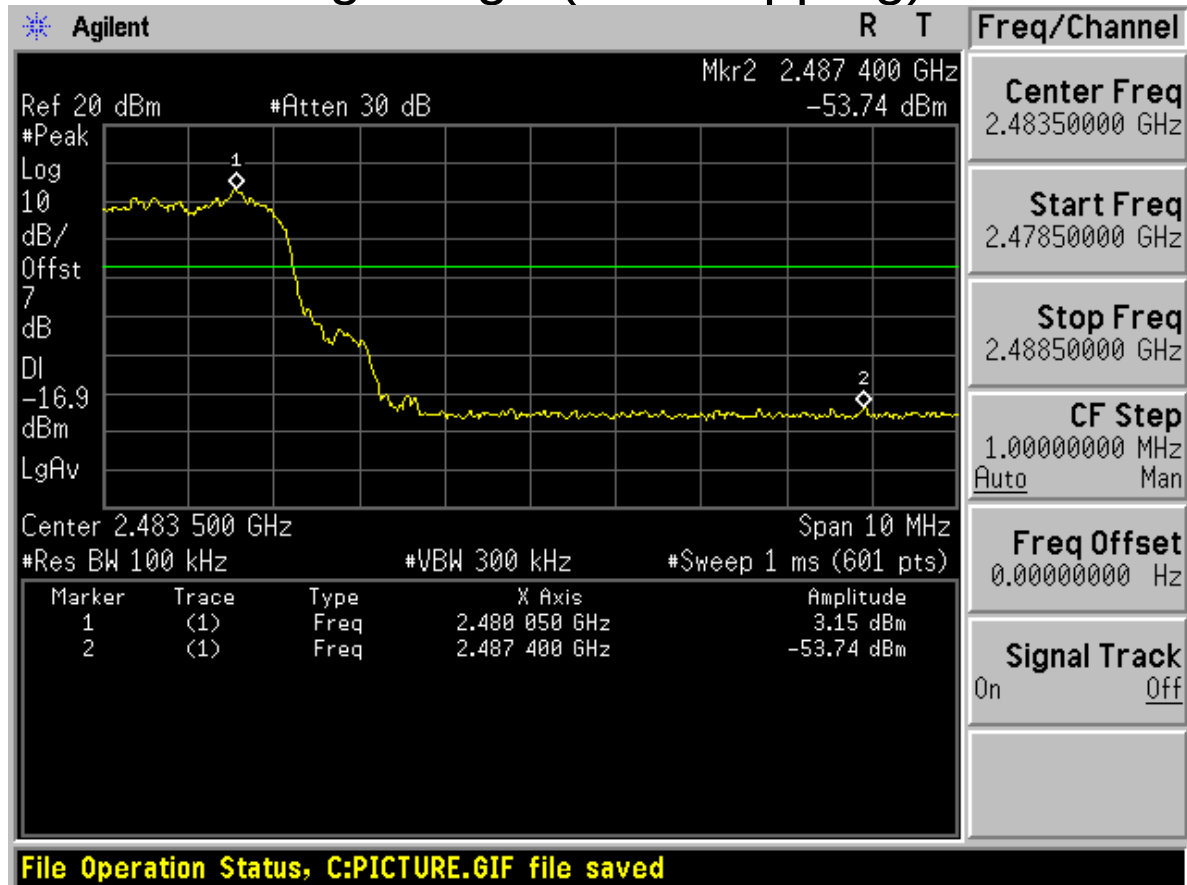


High edge (Channel 78, no hopping)



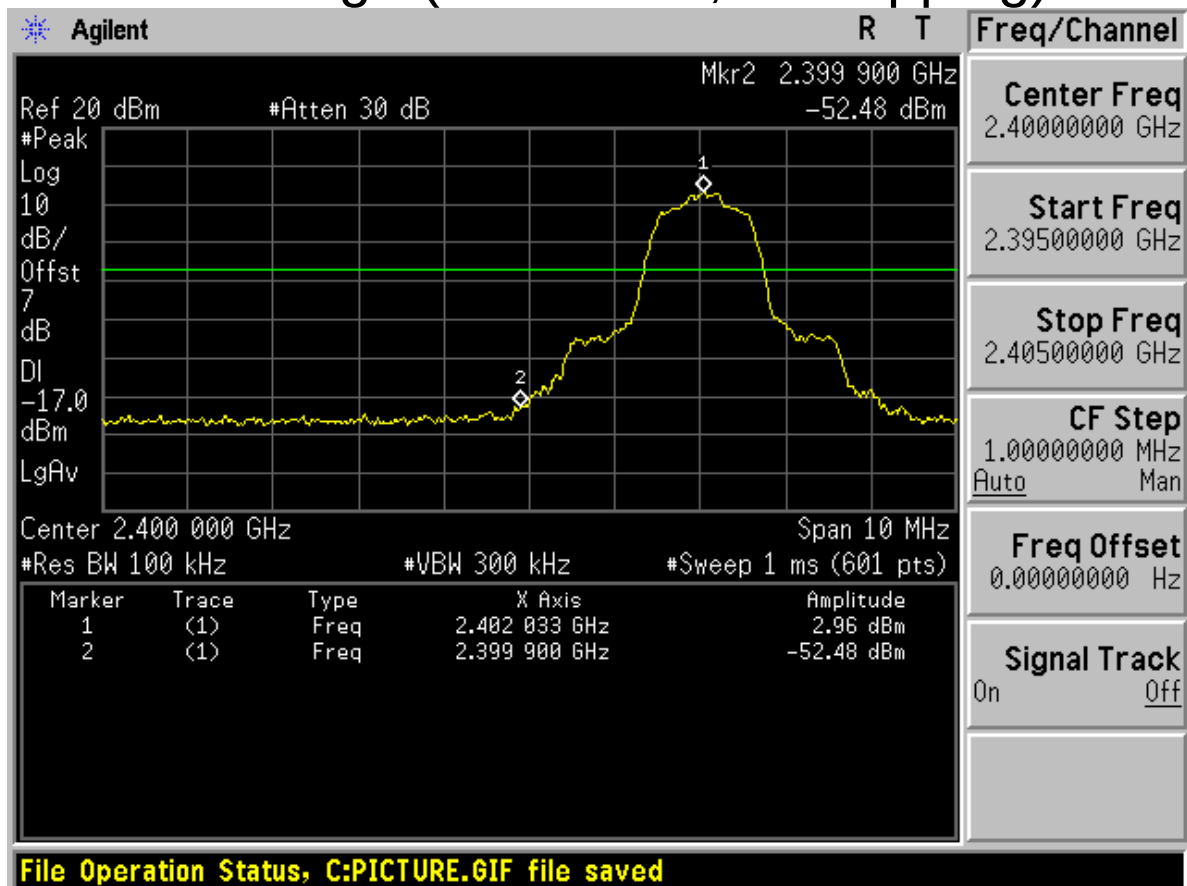


High edge (with hopping)



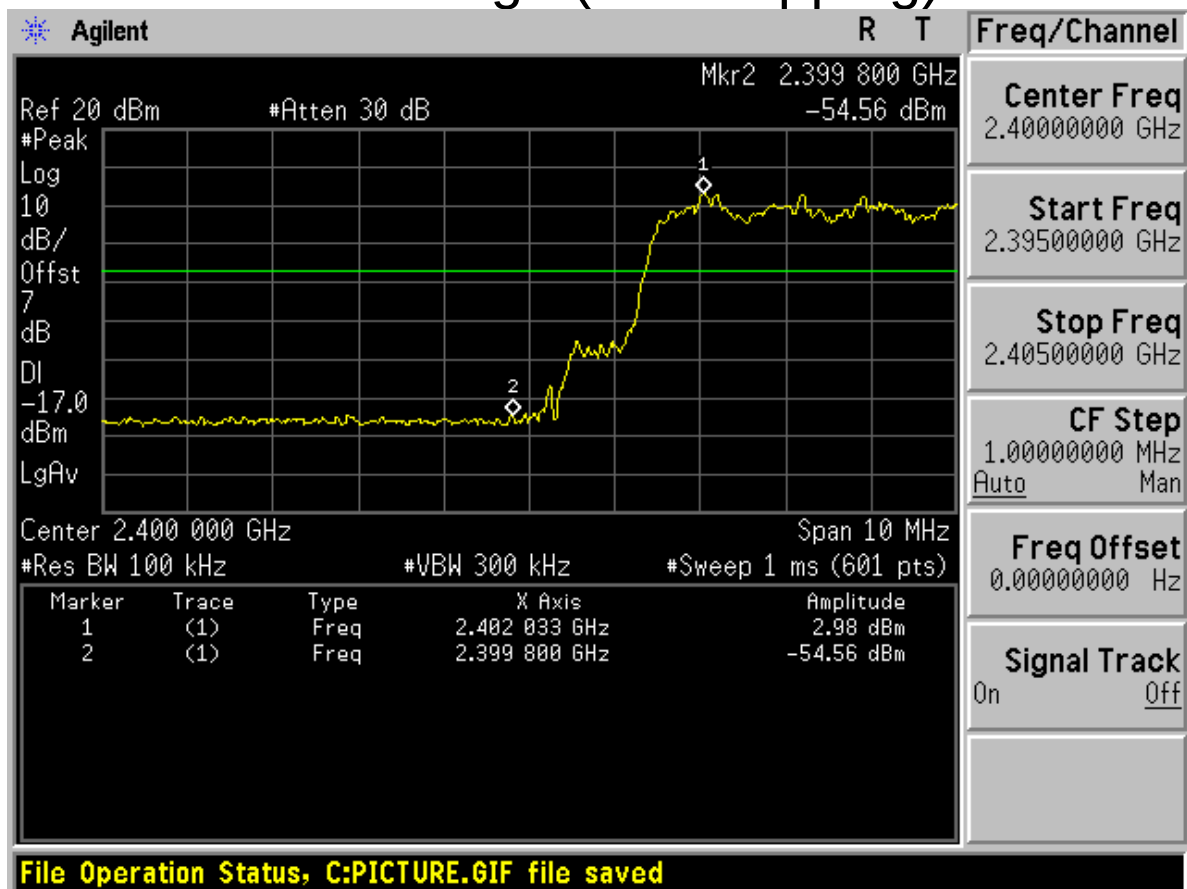


Modulation: 8DPSK Low edge (Channel 0, no hopping)



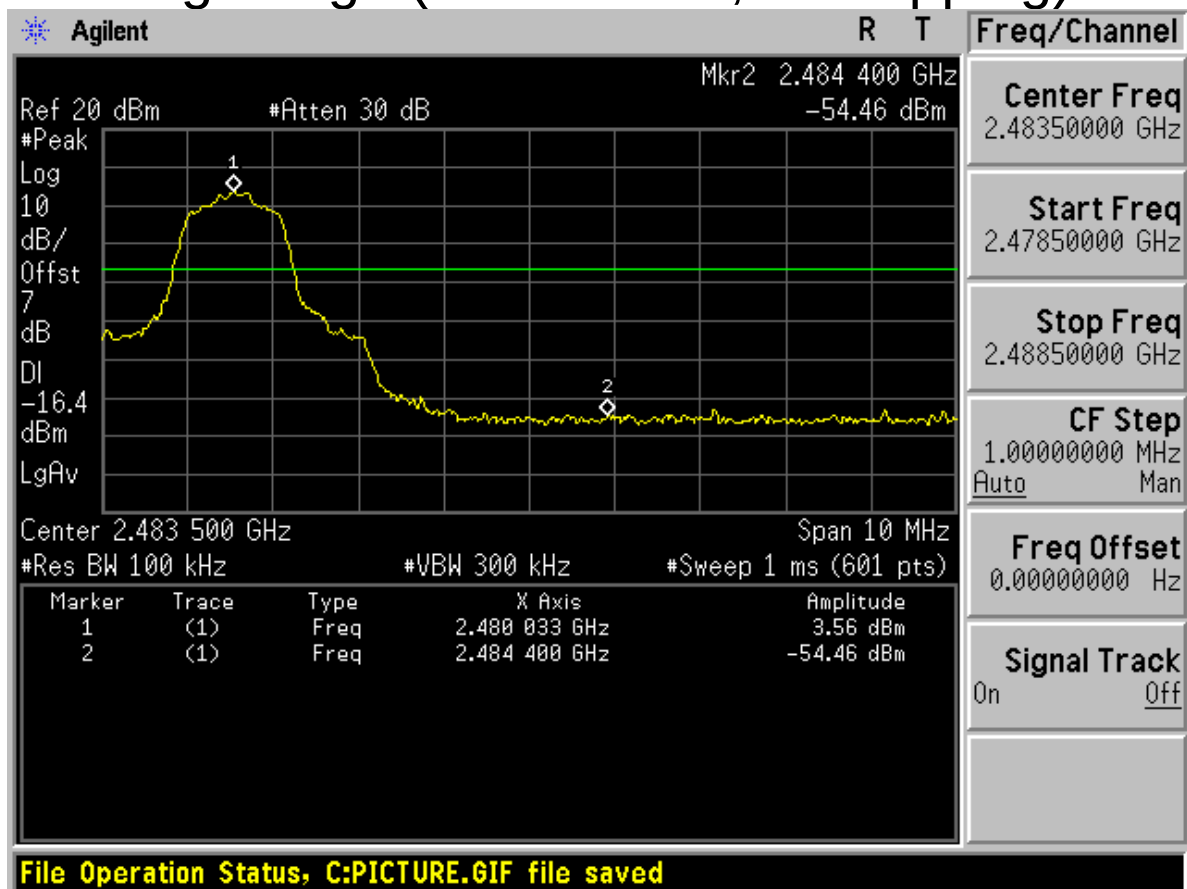


Low edge (with hopping)



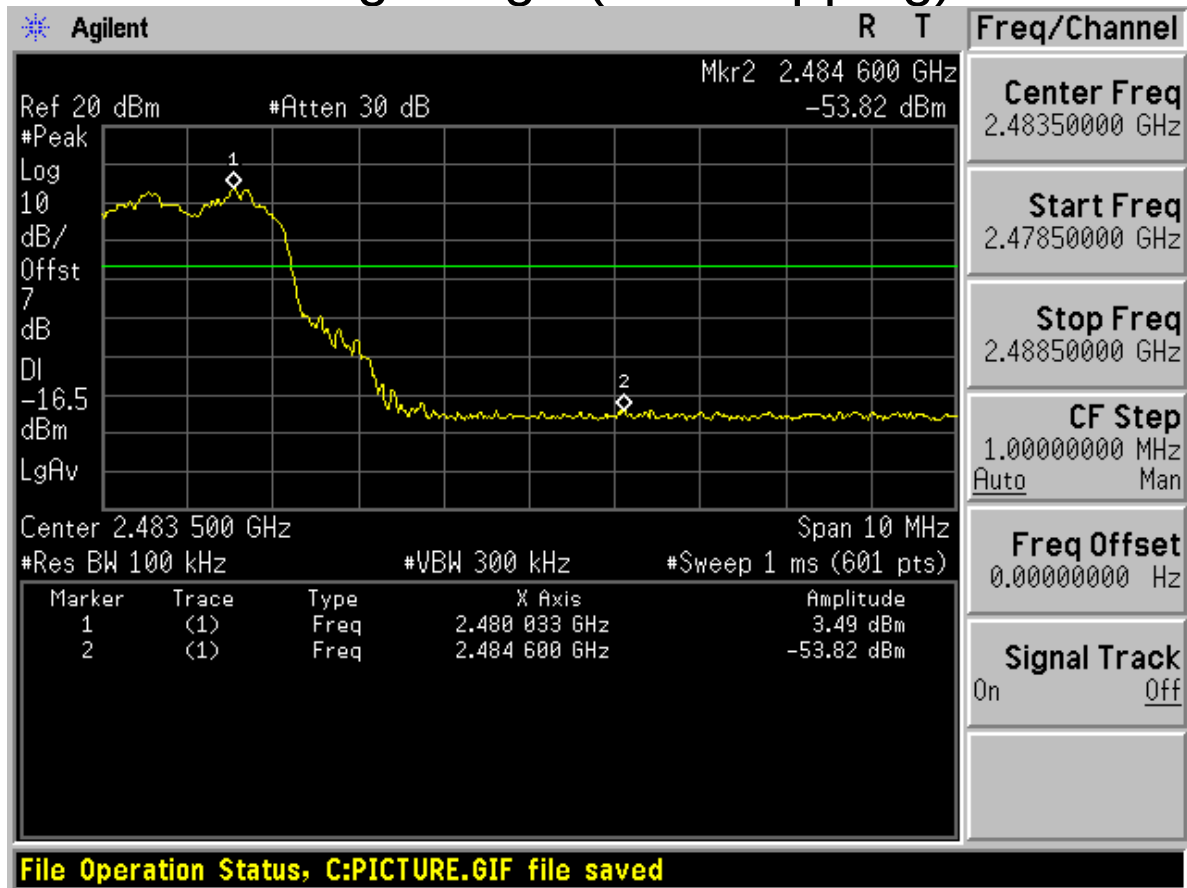


High edge (Channel 78, no hopping)





High edge (with hopping)





Appendix G

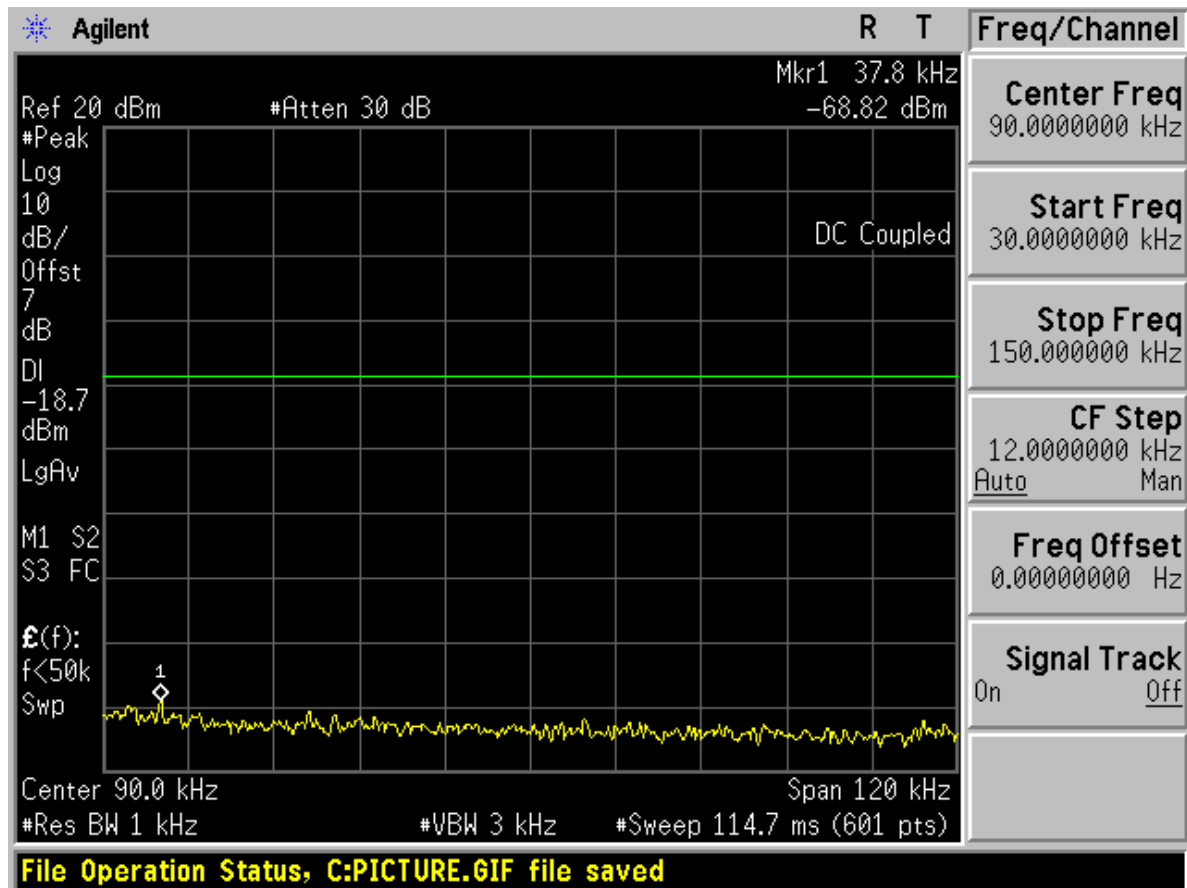
Conducted RF spurious

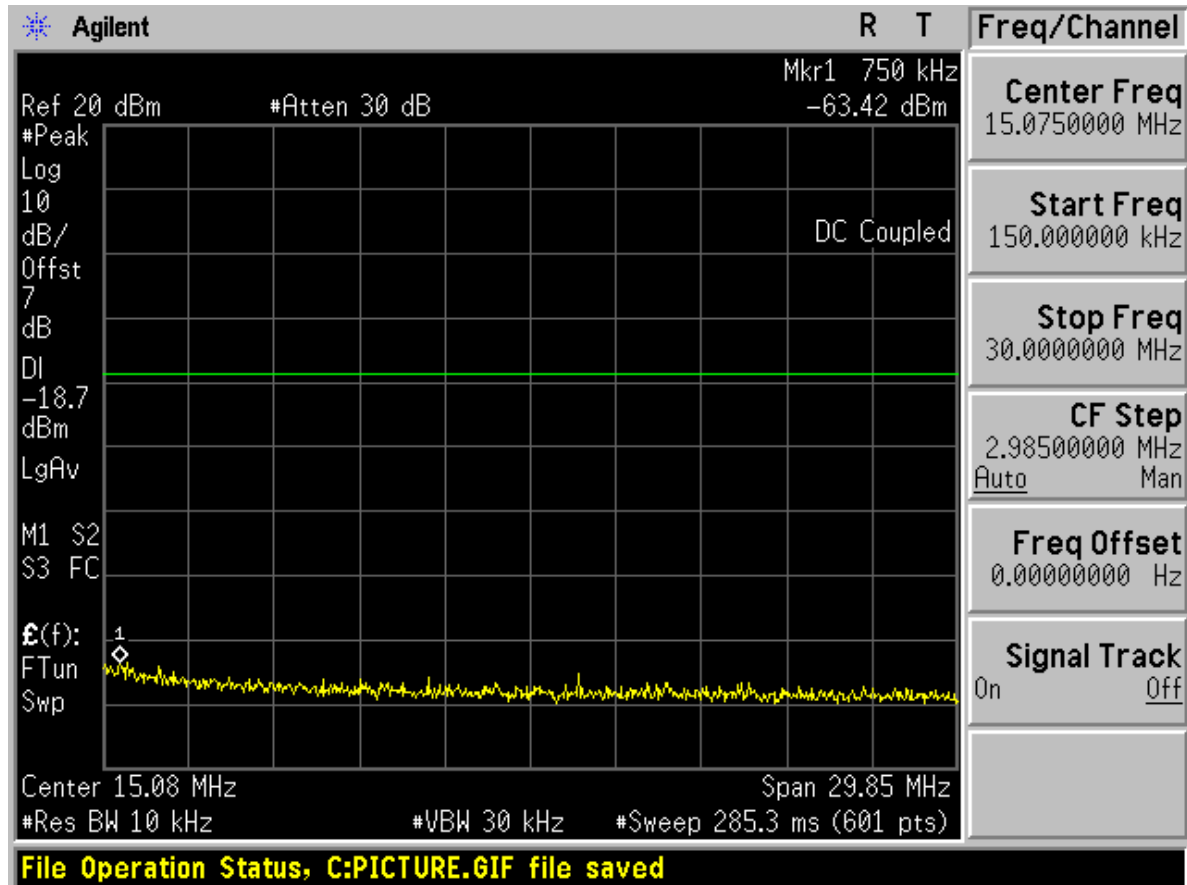
According to FCC Part 15.247 (d)

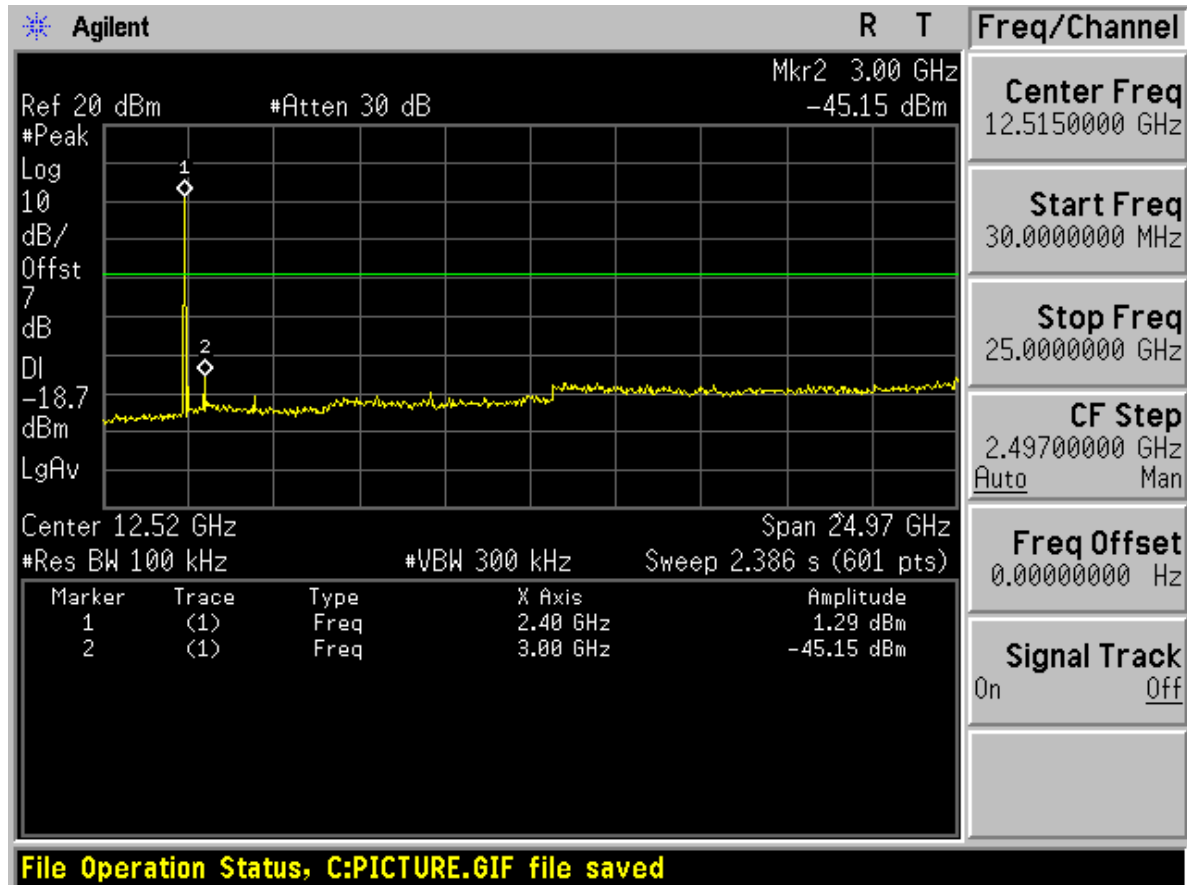


Modulation: $\pi/4$ -DQPSK

Channel 0

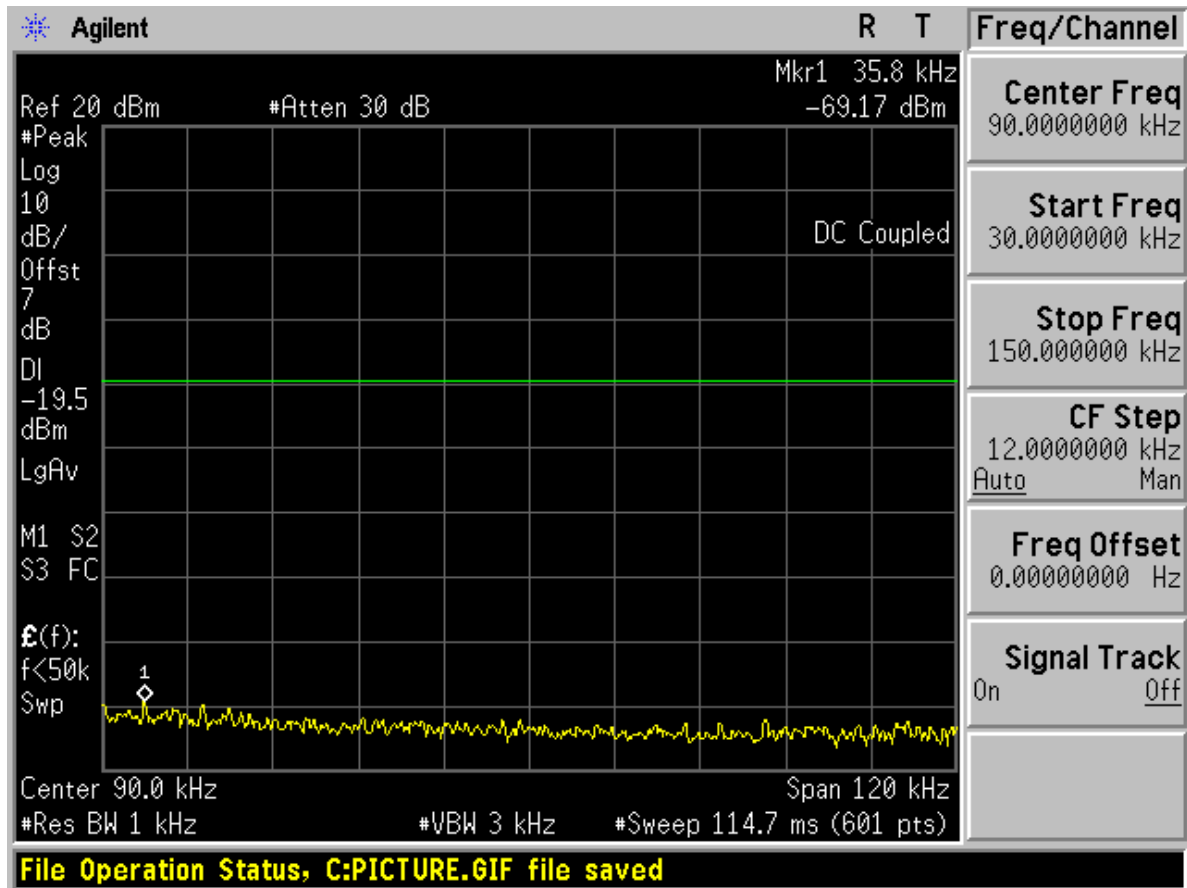


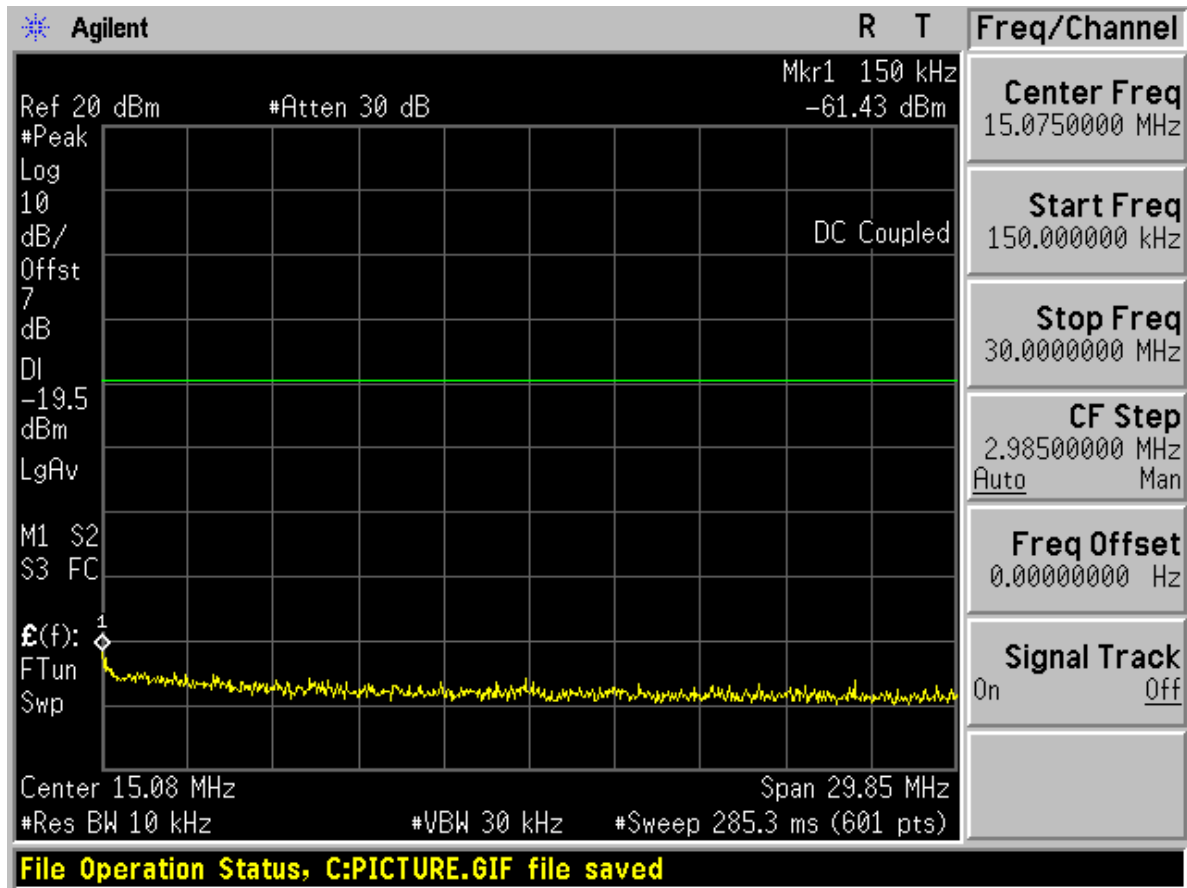


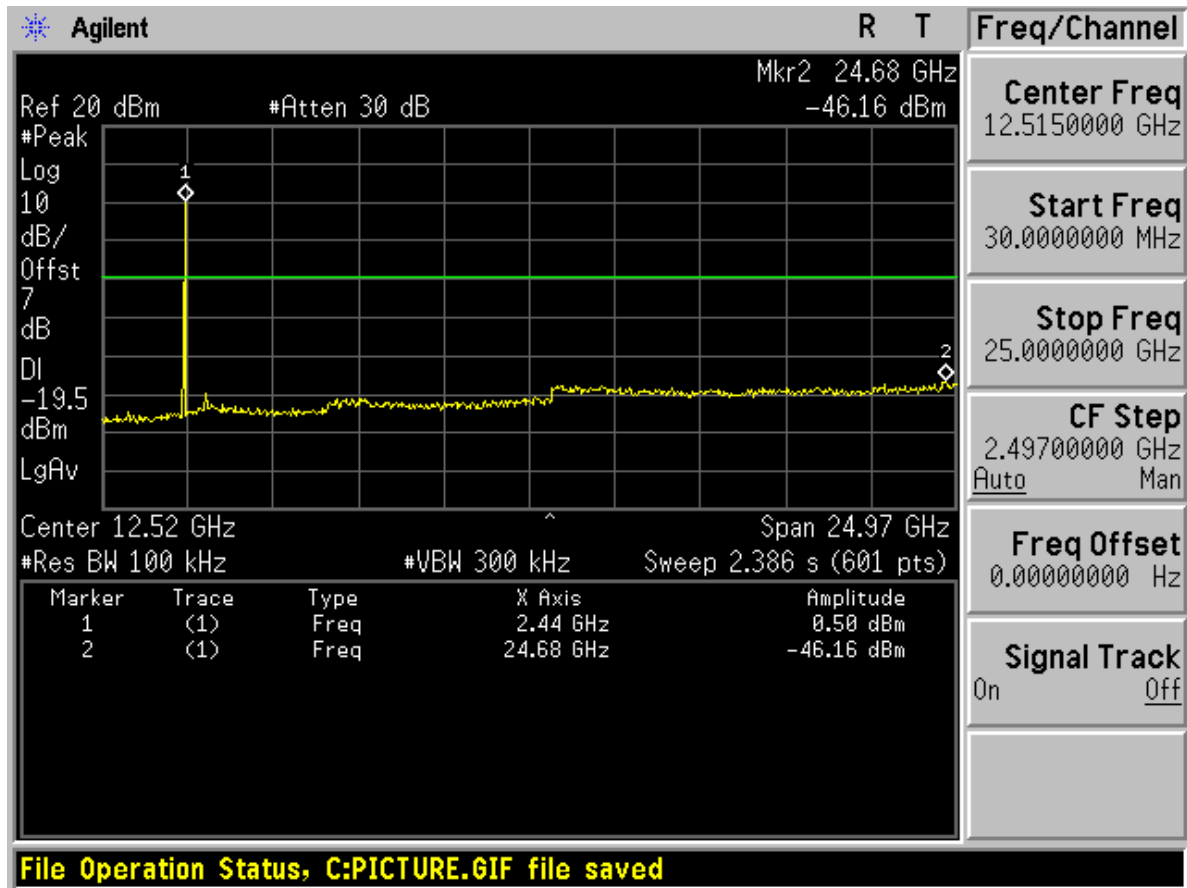




Channel 40

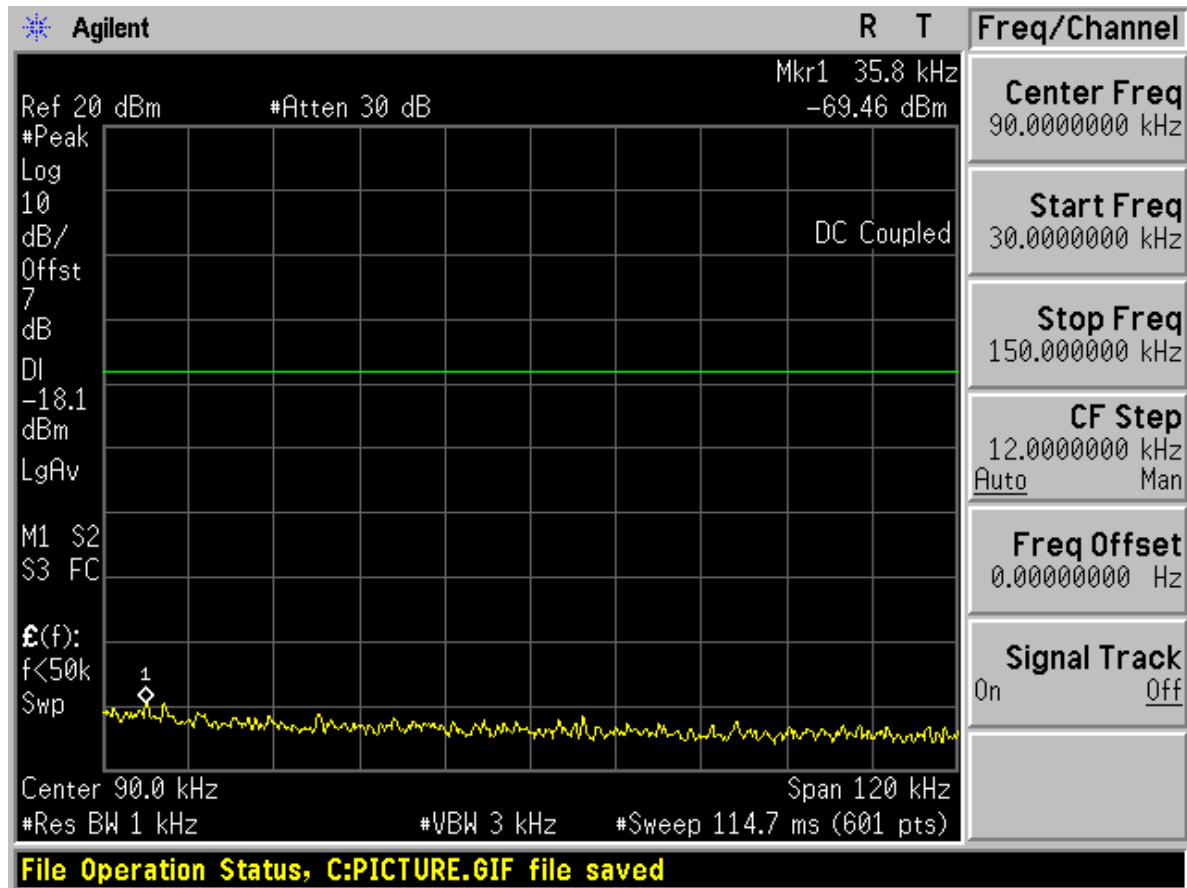


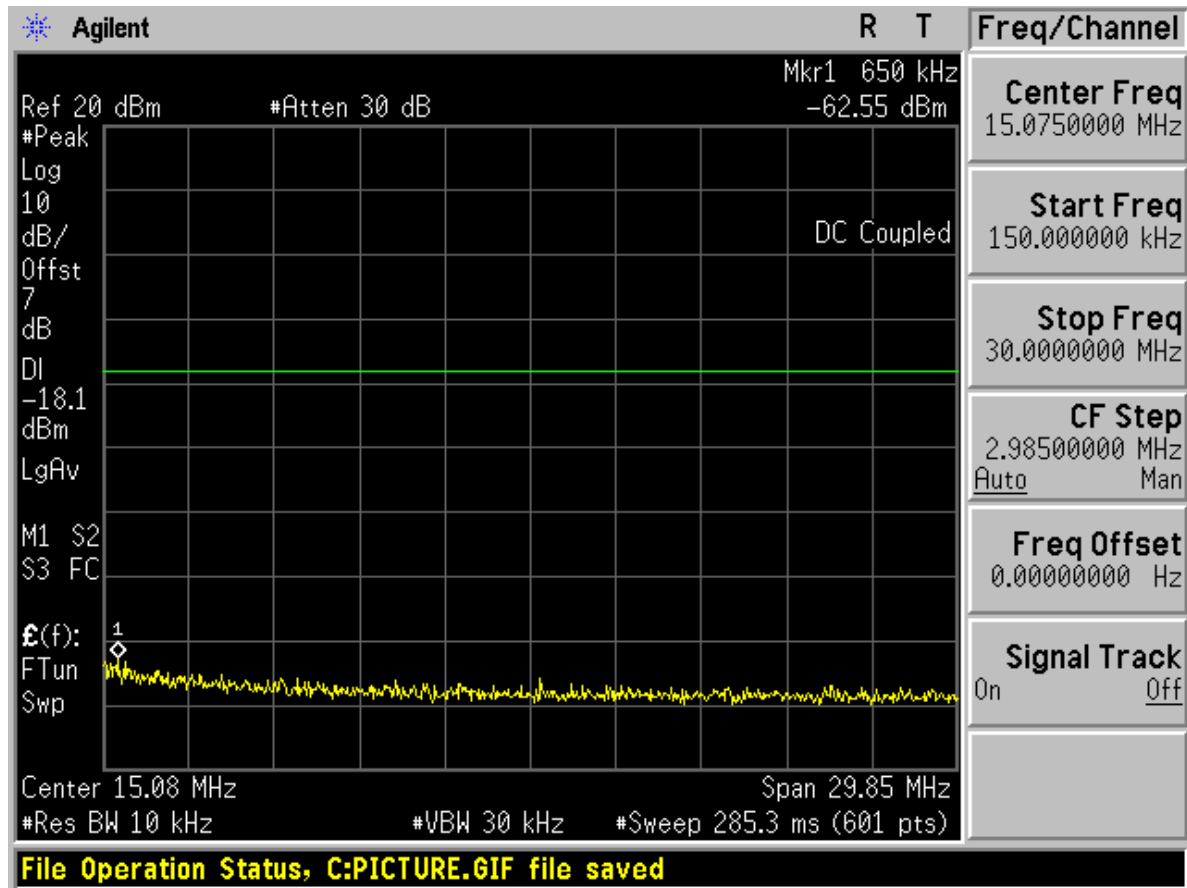


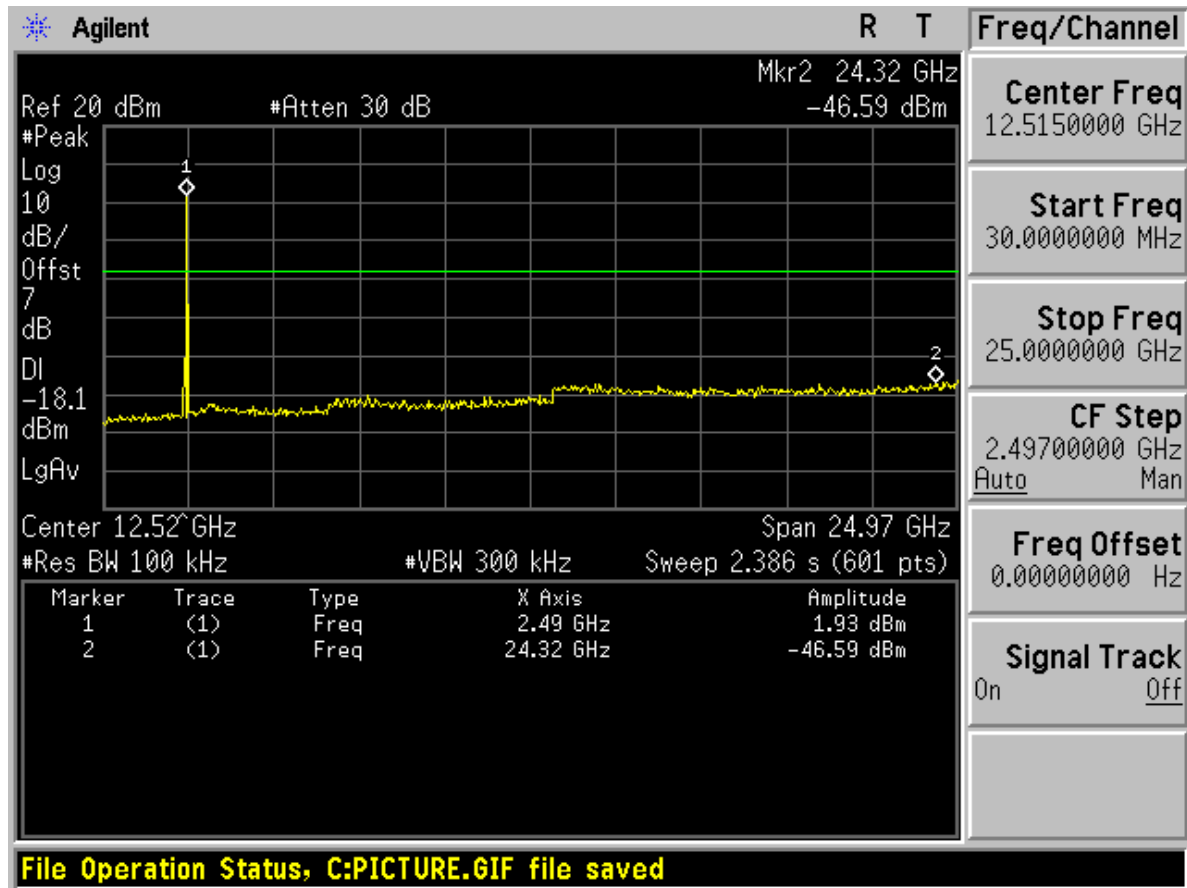




Channel 78

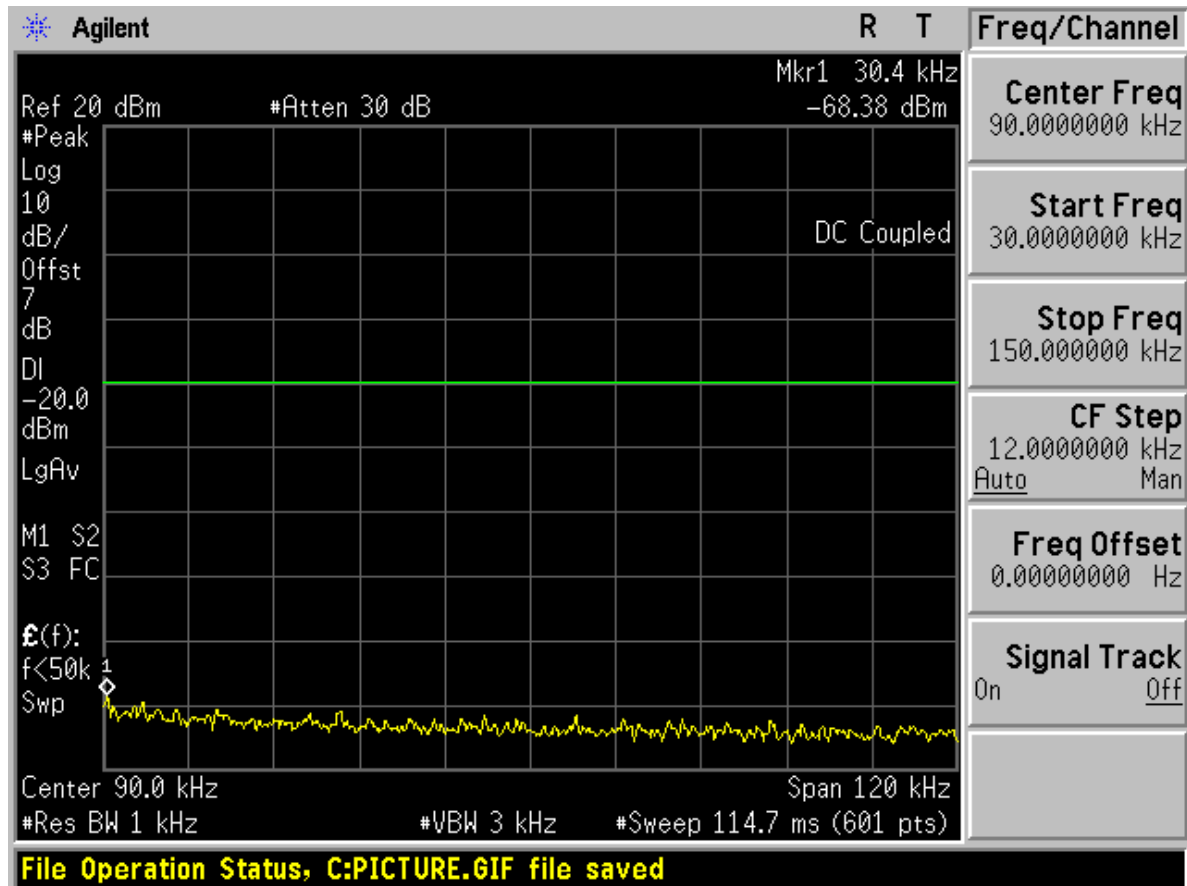


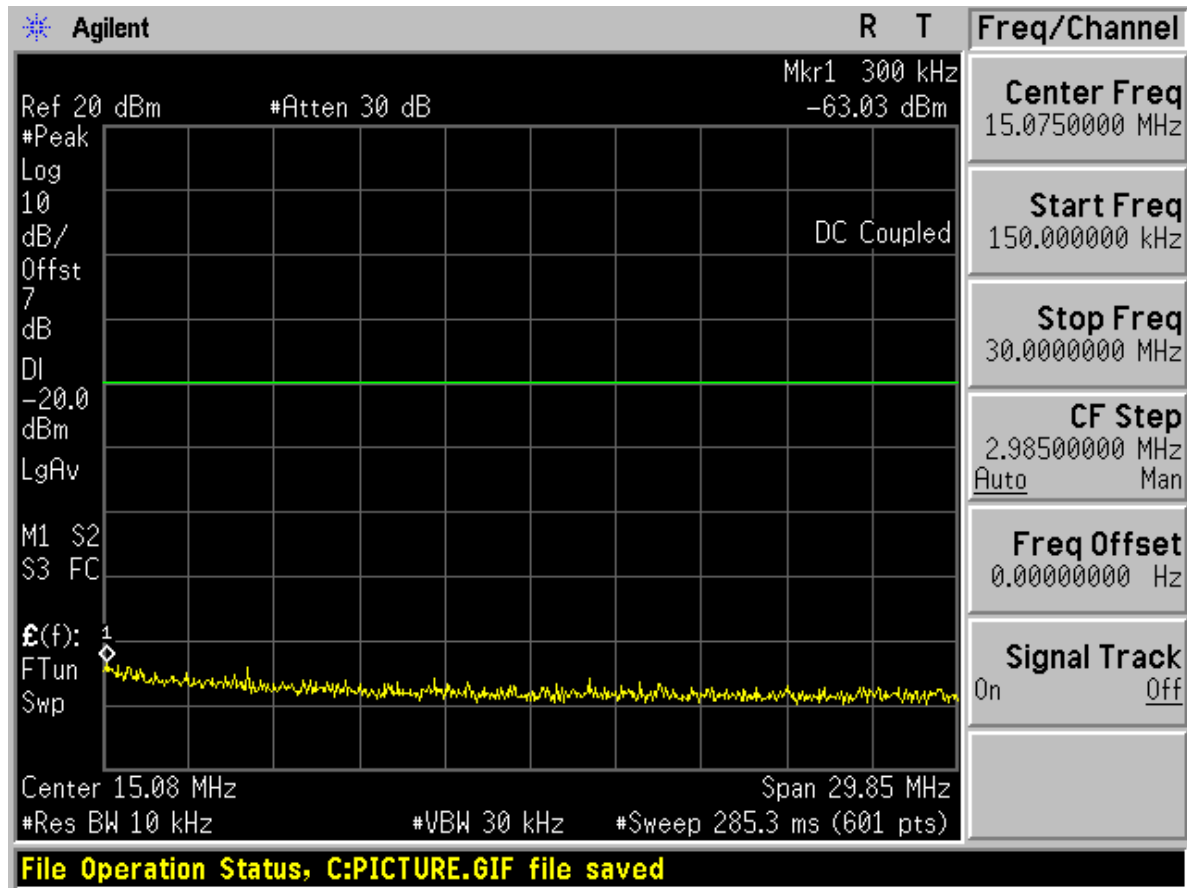


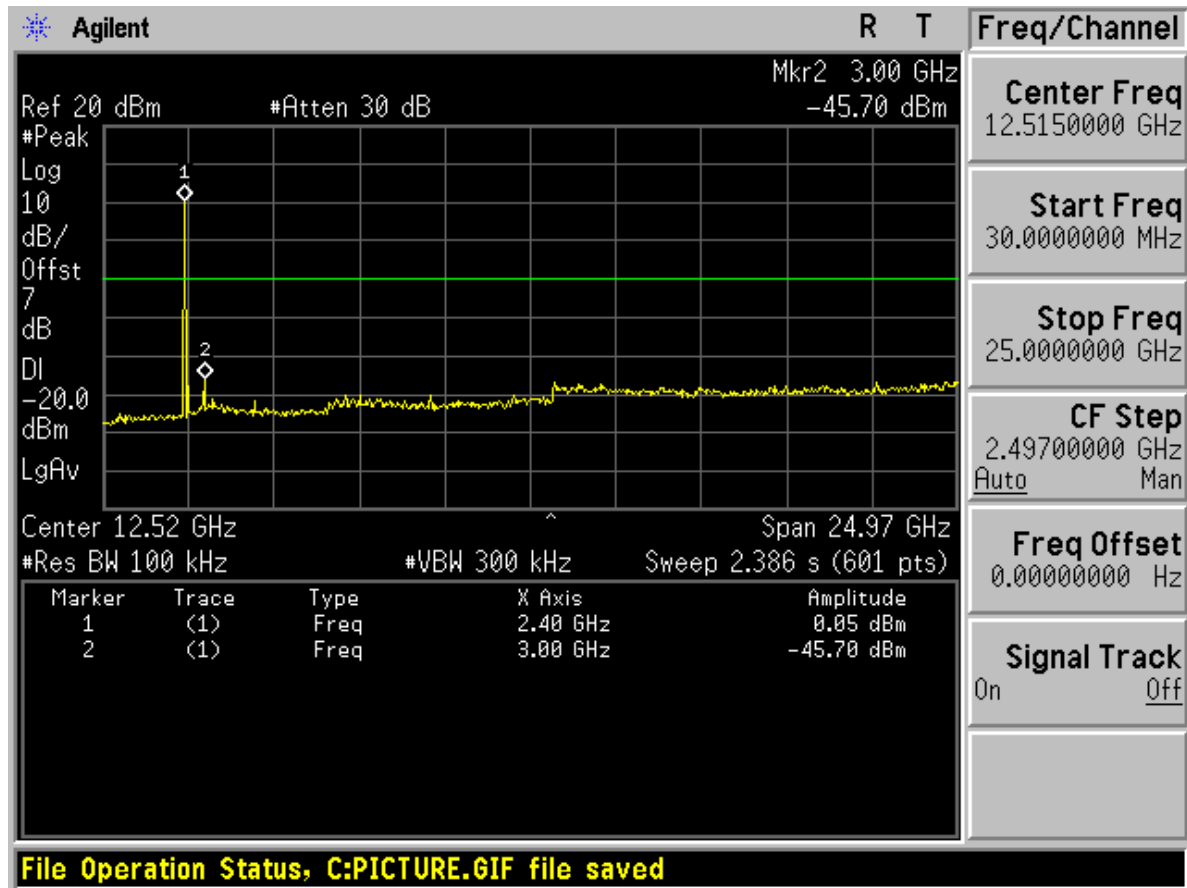




Modulation: 8DPSK Channel 0

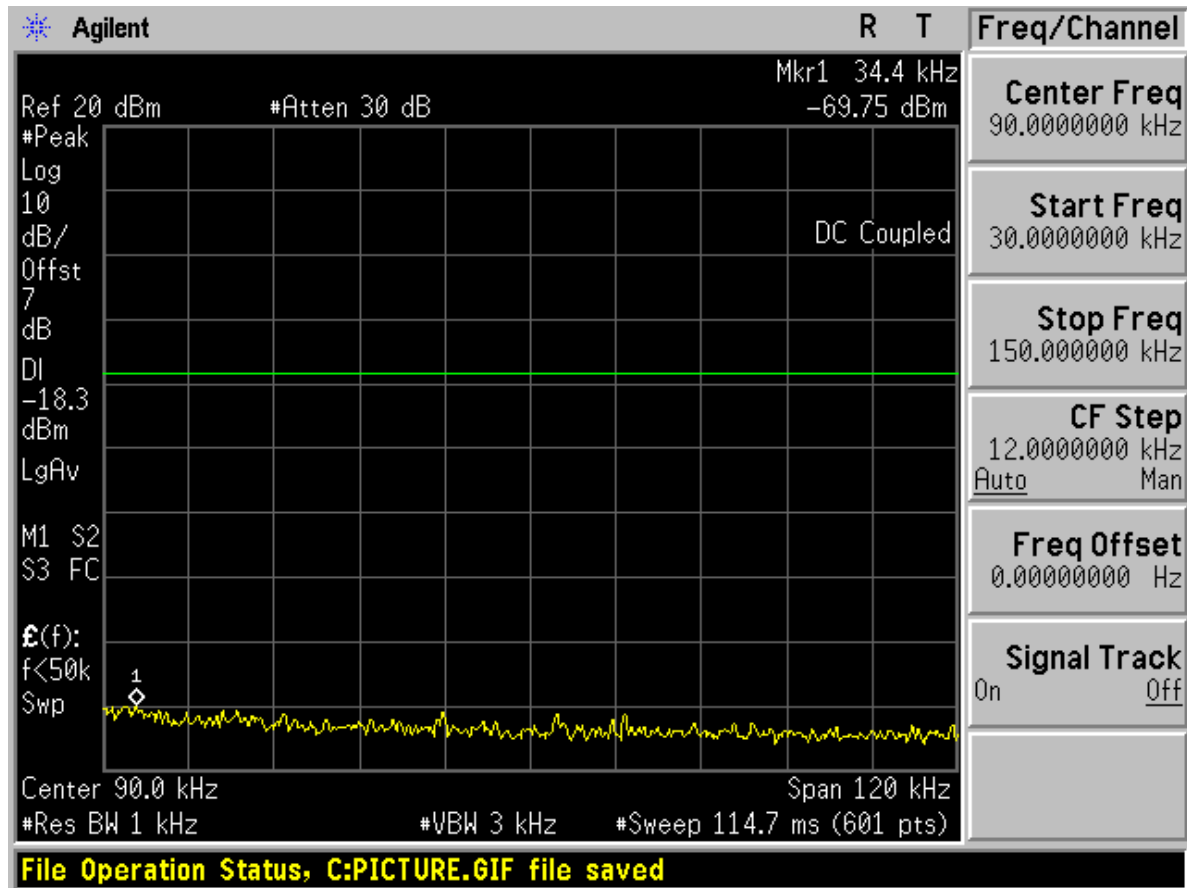


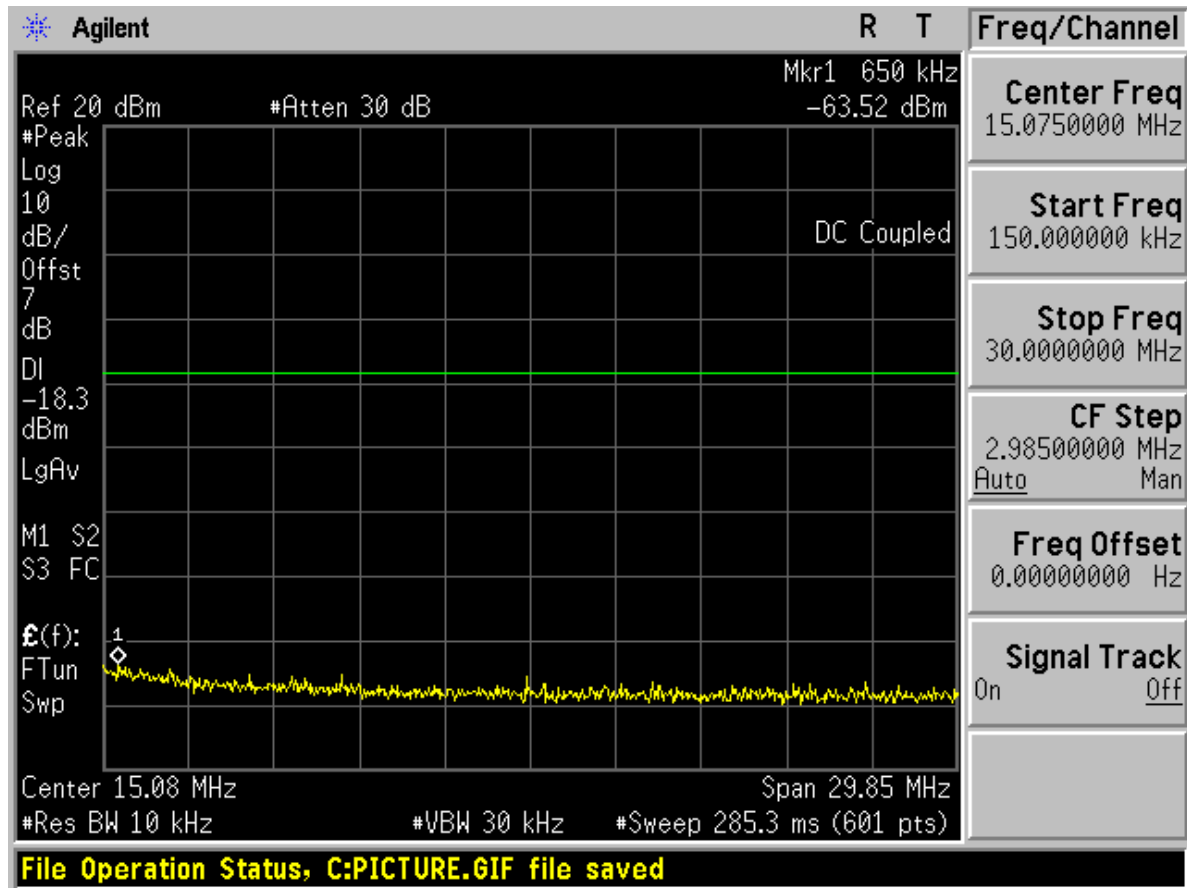


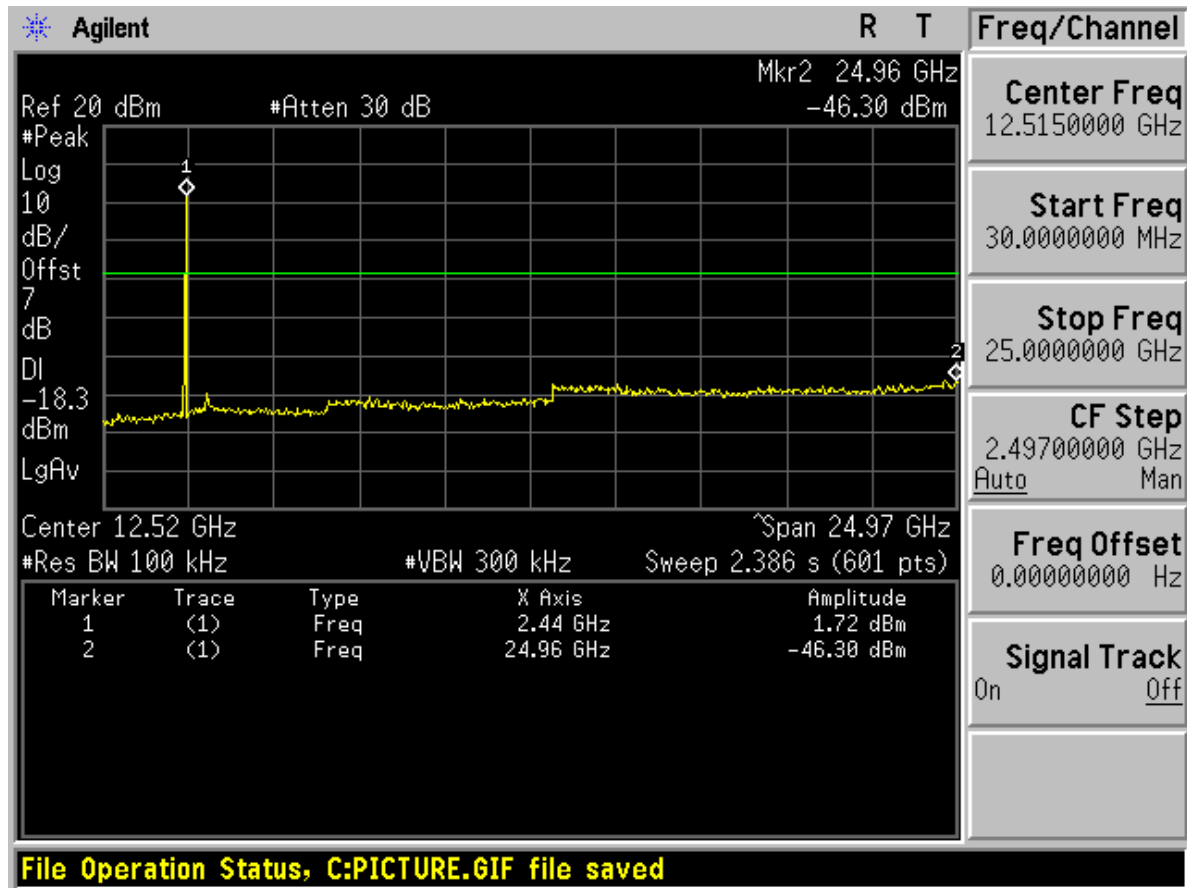




Channel 40

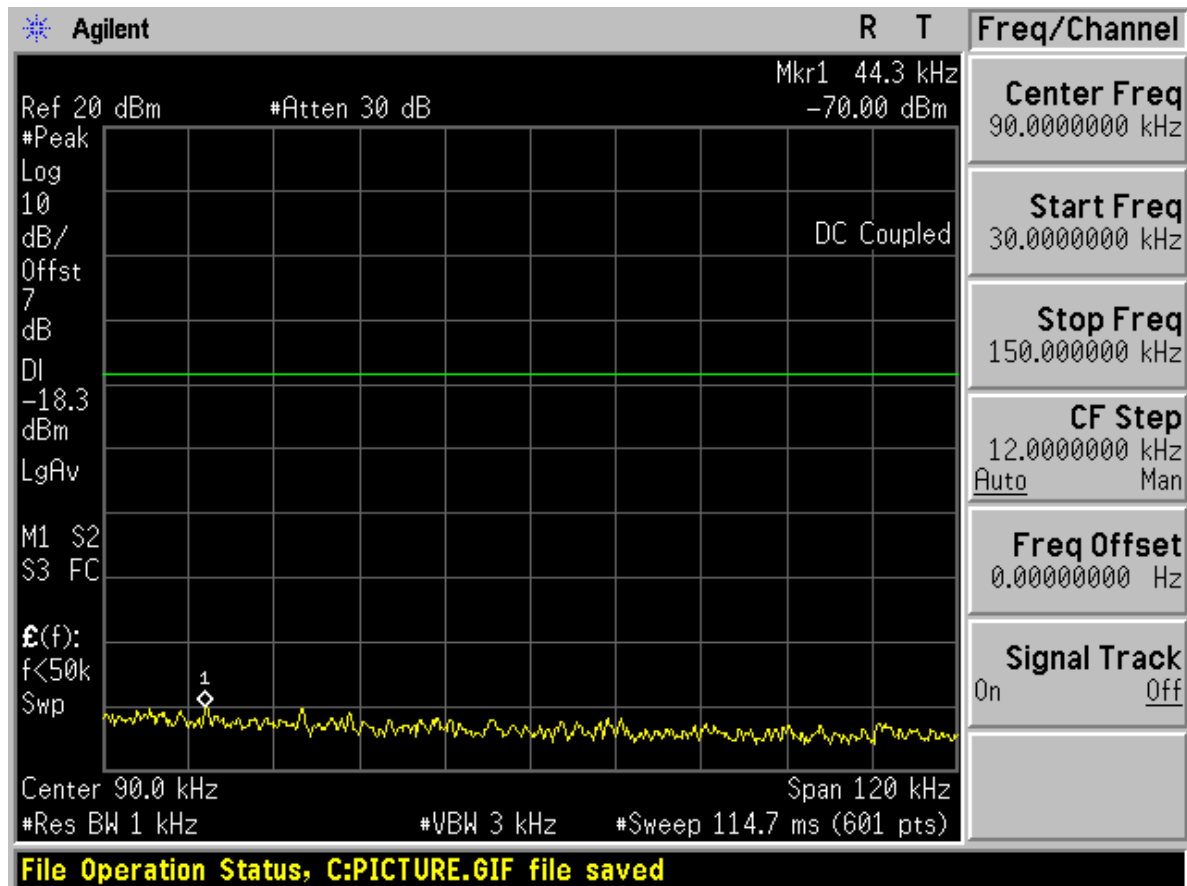


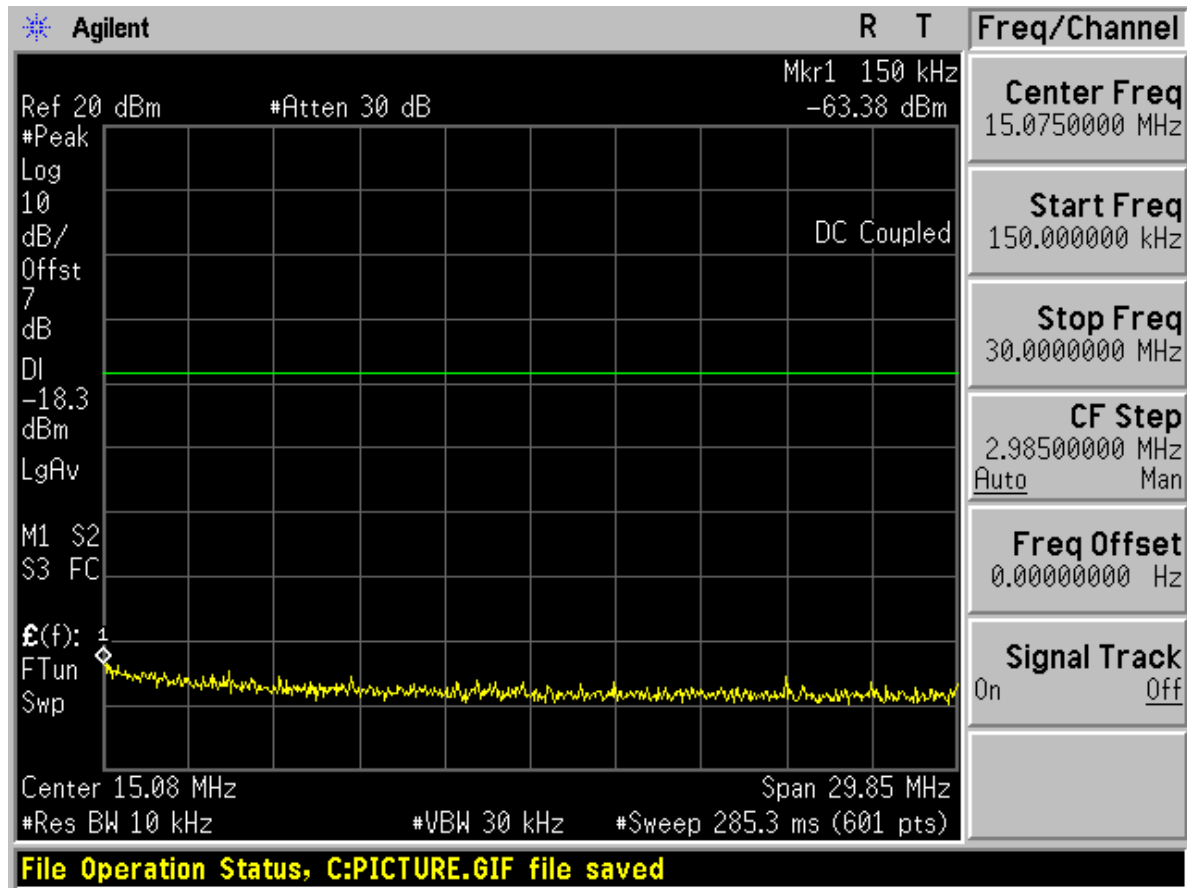


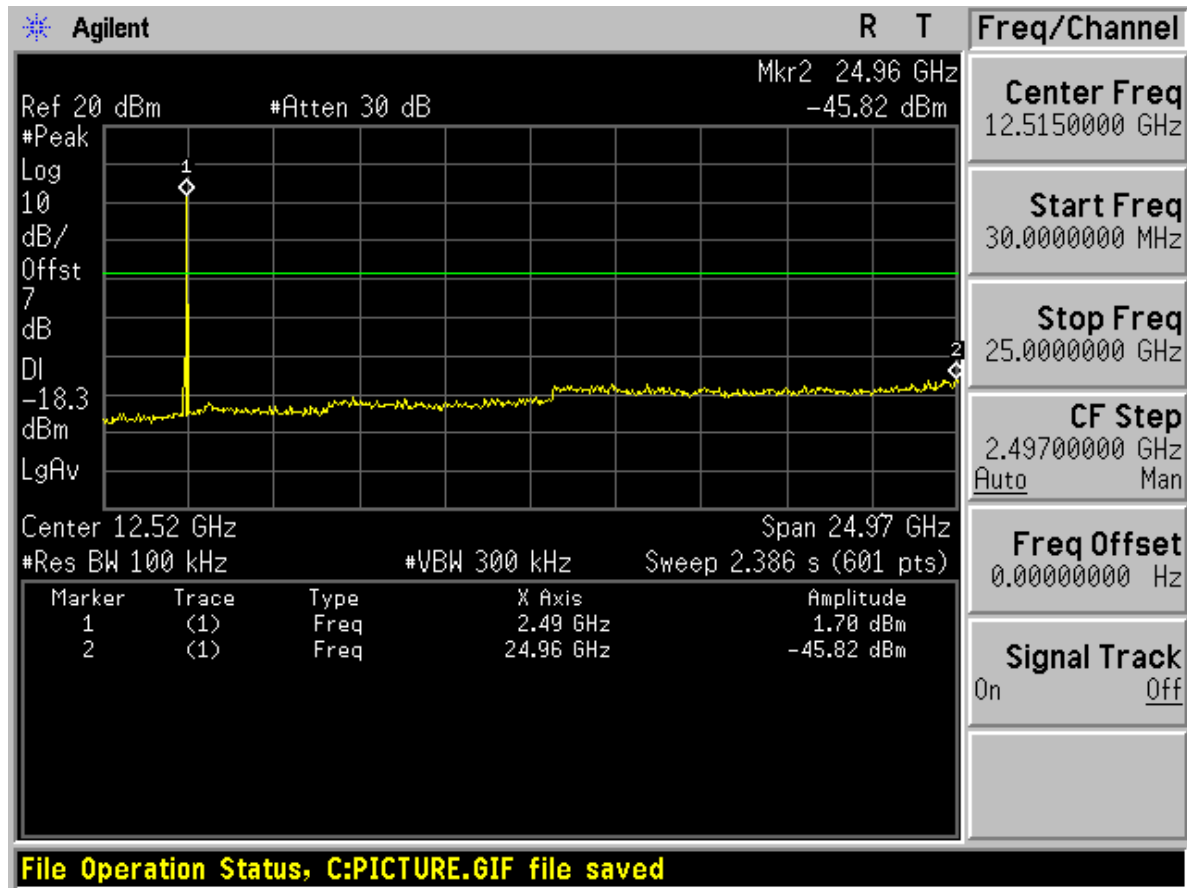




Channel 78









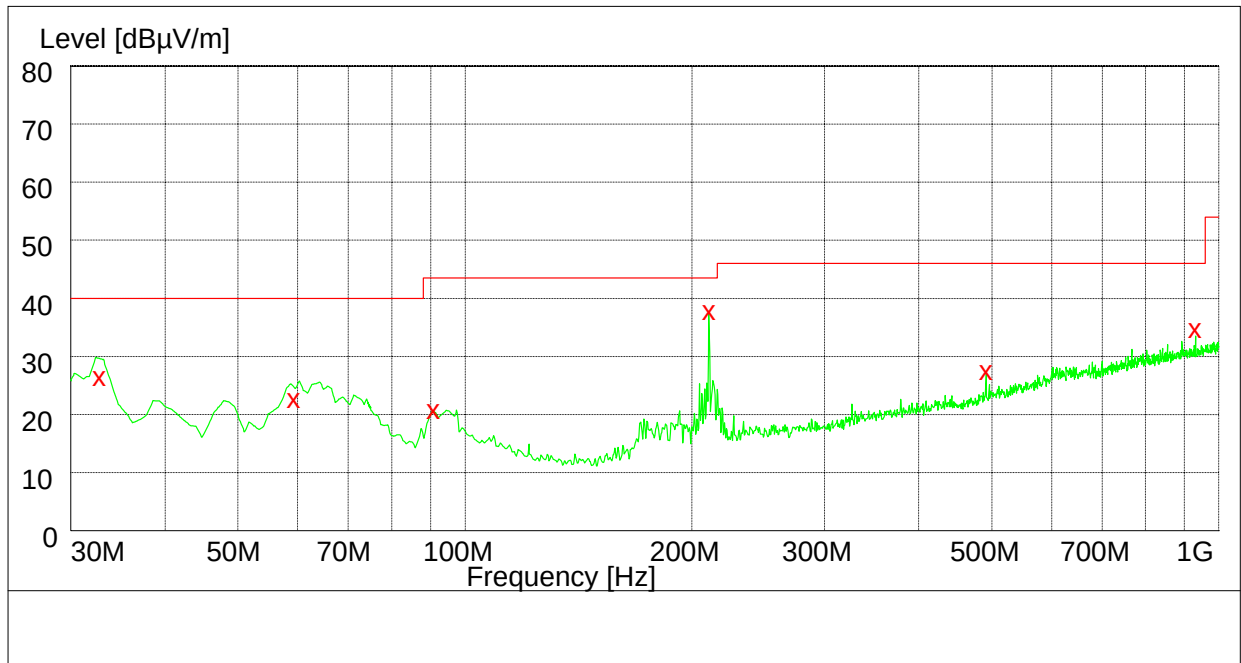
Appendix H

Radiated spurious emission

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



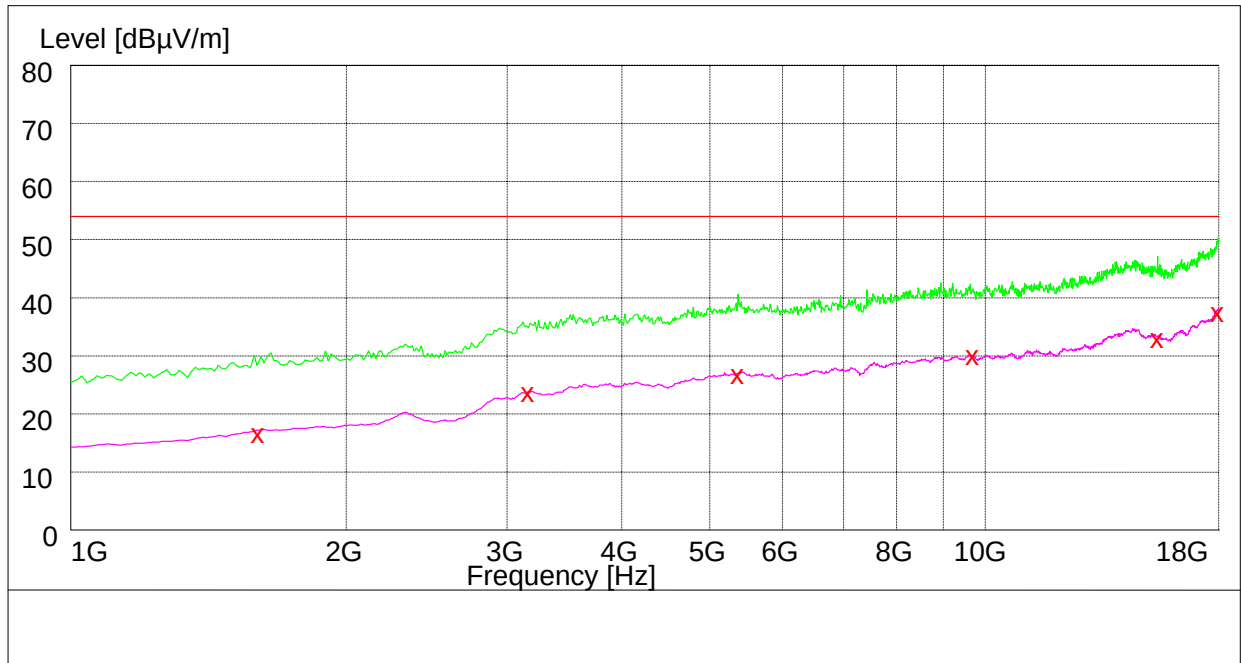
Channel 0 30MHz to 1GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Plarization
32.530000	26.40	11.7	40.0	13.6	103.0	7.00	HORIZONTAL
59.400000	22.20	12.4	40.0	17.8	190.0	344.00	VERTICAL
90.150000	20.50	12.7	43.5	23.0	233.0	94.00	VERTICAL
211.200000	38.30	12.6	43.5	5.2	259.0	143.00	HORIZONTAL
492.500000	27.60	20.1	46.0	18.4	192.0	131.00	VERTICAL
935.710000	34.80	26.5	46.0	11.2	114.0	187.00	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
1602.000000	16.60	-14.5	54.0	37.4	188.0	37.00	HORIZONTAL
3123.000000	23.50	-8.2	54.0	30.5	157.0	352.00	HORIZONTAL
5374.000000	26.70	-2.5	54.0	27.3	164.0	185.00	HORIZONTAL
9786.000000	29.90	4.9	54.0	24.1	138.0	6.00	HORIZONTAL
15439.000000	32.70	10.5	54.0	21.3	153.0	186.00	VERTICAL
17989.000000	37.80	17.2	54.0	16.2	104.0	39.00	HORIZONTAL

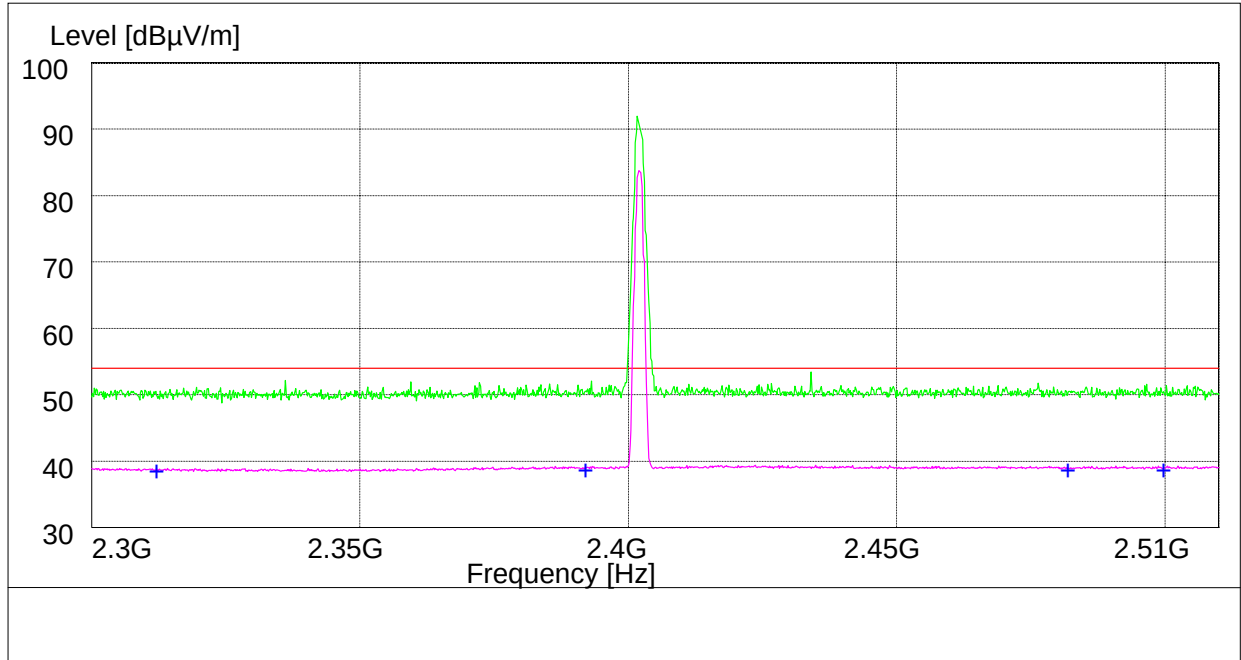


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz

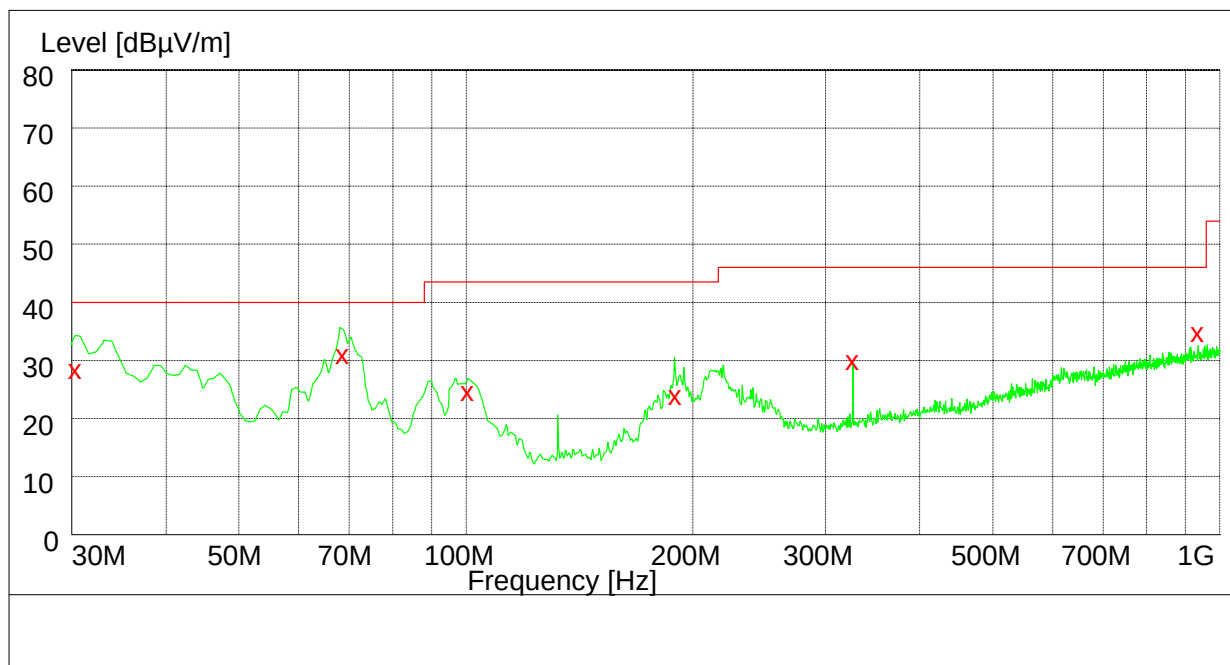


Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.20	33.3	54	15.8	171.0	94.00	HORIZONTAL
2390.000000	38.40	33.5	54	15.6	185.0	59.00	VERTICAL
2483.500000	38.40	33.7	54	15.6	148.0	289.00	VERTICAL
2500.000000	38.40	33.8	54	15.6	103.0	209.00	VERTICAL



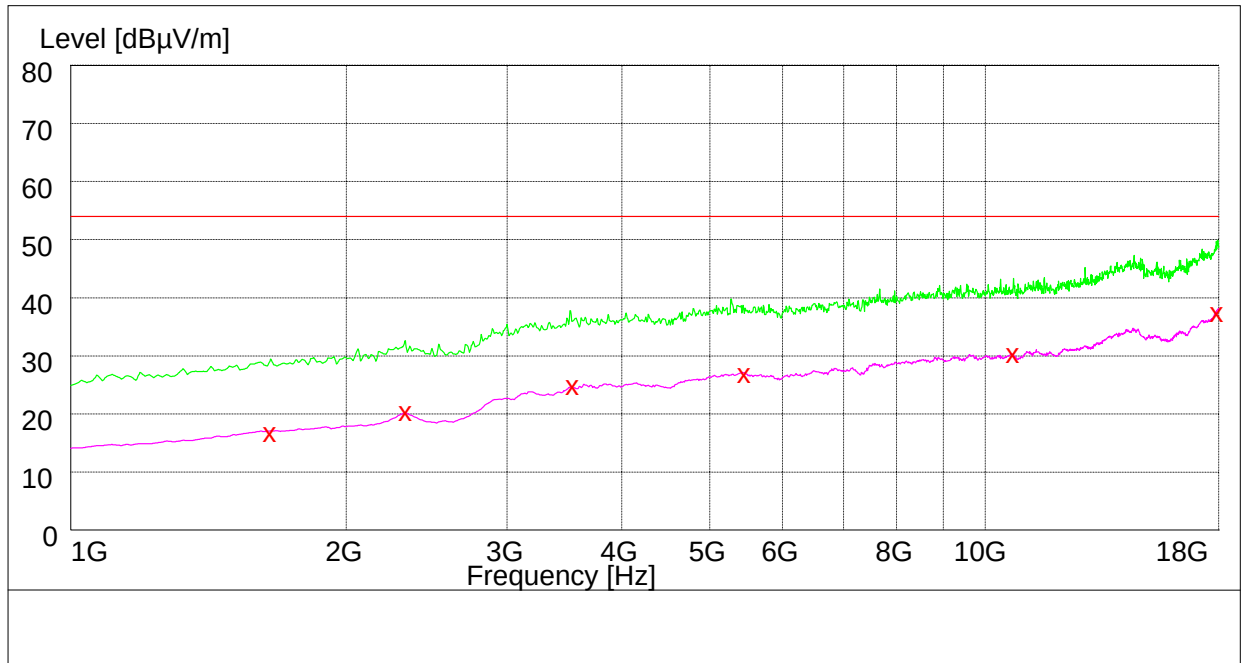
Channel 40 30MHz to 1GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
30.300000	28.60	11.8	40.0	11.4	157.0	197.00	HORIZONTAL
68.700000	30.40	8.9	40.0	9.6	172.0	237.00	HORIZONTAL
100.590000	24.10	12.2	43.5	19.4	151.0	47.00	VERTICAL
190.200000	23.20	11.8	43.5	20.3	194.0	235.00	VERTICAL
326.400000	30.00	16.2	46.0	16.0	221.0	210.00	HORIZONTAL
936.420000	34.50	26.5	46.0	11.5	285.0	219.00	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
1649.000000	16.70	-14.2	54.0	37.3	150.0	184.00	VERTICAL
2321.000000	20.20	-11.7	54.0	33.8	166.0	88.00	VERTICAL
3527.000000	25.00	-7.2	54.0	29.0	181.0	334.00	HORIZONTAL
5496.500000	27.60	-2.2	54.0	26.4	135.0	358.00	HORIZONTAL
10737.000000	30.30	6.3	54.0	23.7	153.0	69.00	HORIZONTAL
17958.000000	37.50	17.0	54.0	16.5	160.0	40.00	VERTICAL

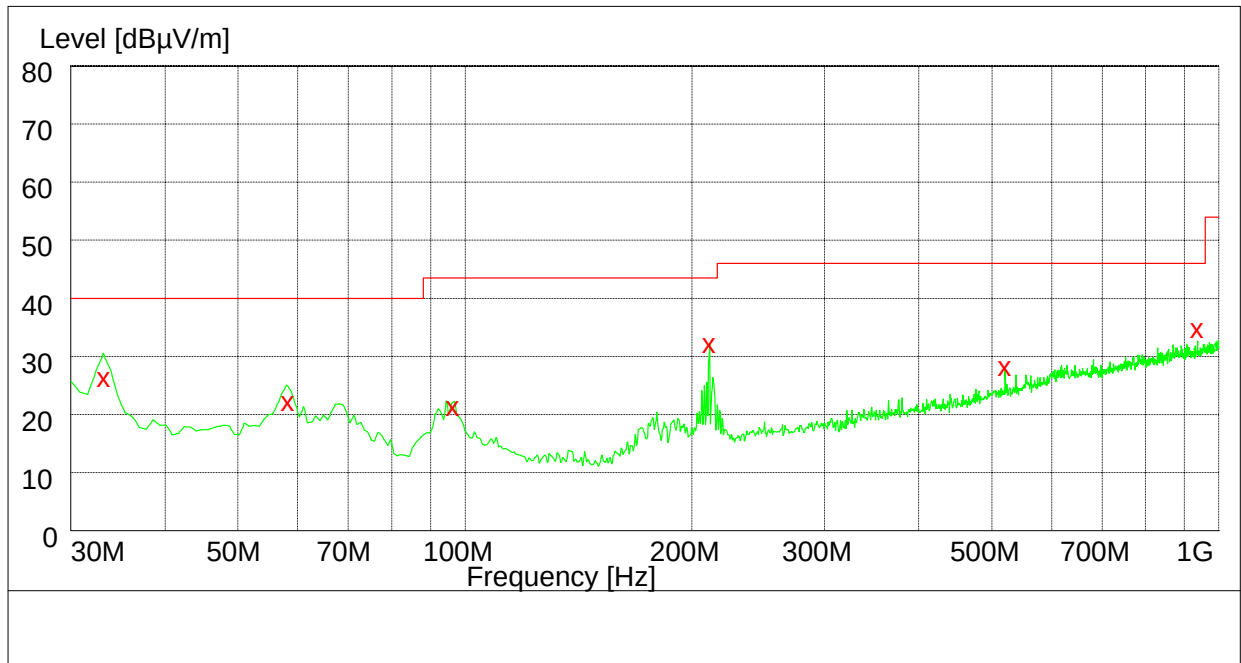


18GHz to 26GHz

Note: No peak found in pre- test.



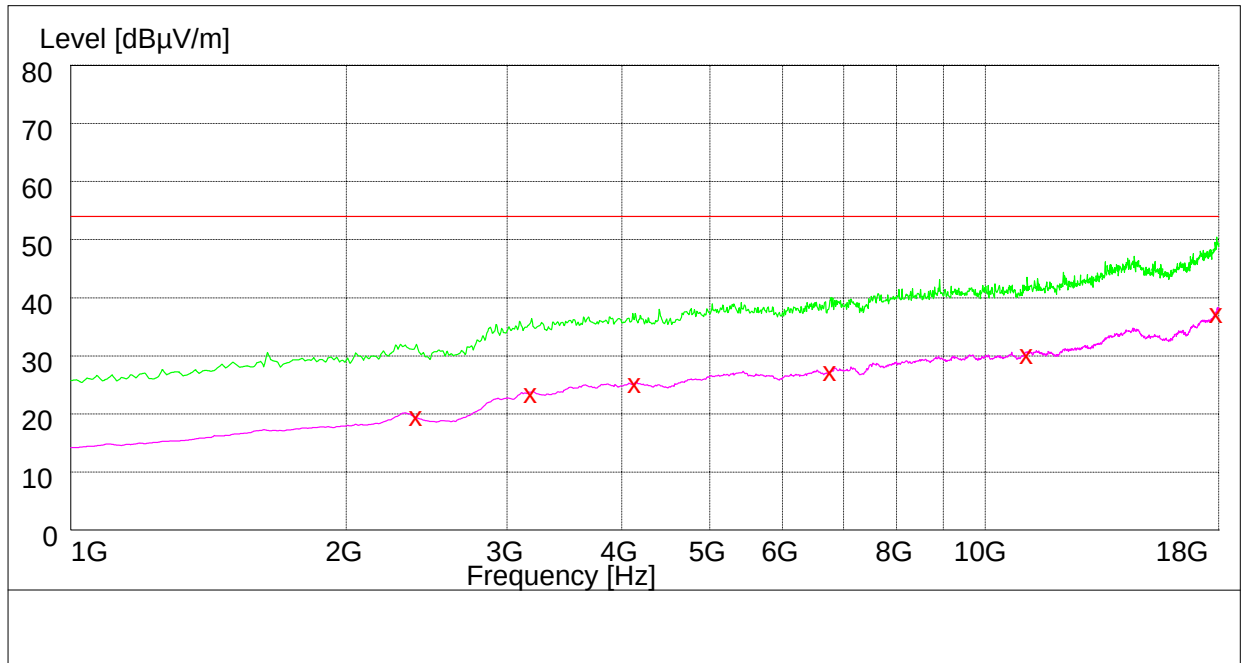
Channel 78 30MHz to 1GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
32.530000	26.10	11.6	40.0	13.9	223.0	347.00	HORIZONTAL
58.020000	21.80	12.4	40.0	18.2	222.0	294.00	HORIZONTAL
97.200000	21.00	12.8	43.5	22.5	145.0	120.00	VERTICAL
211.200000	32.20	12.6	43.5	11.3	170.0	312.00	HORIZONTAL
528.500000	28.40	20.9	46.0	17.6	231.0	174.00	VERTICAL
935.320000	34.50	26.5	46.0	11.5	235.0	62.00	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
2382.000000	19.60	-11.6	54.0	34.4	169.0	168.00	VERTICAL
3192.500000	23.50	-8.3	54.0	30.5	132.0	164.00	HORIZONTAL
4125.000000	25.20	-5.7	54.0	28.8	120.0	178.00	HORIZONTAL
6781.000000	27.30	-0.5	54.0	26.7	123.0	22.00	VERTICAL
11094.000000	30.10	6.9	54.0	23.9	141.0	234.00	HORIZONTAL
17952.000000	37.60	16.7	54.0	16.4	153.0	19.00	HORIZONTAL

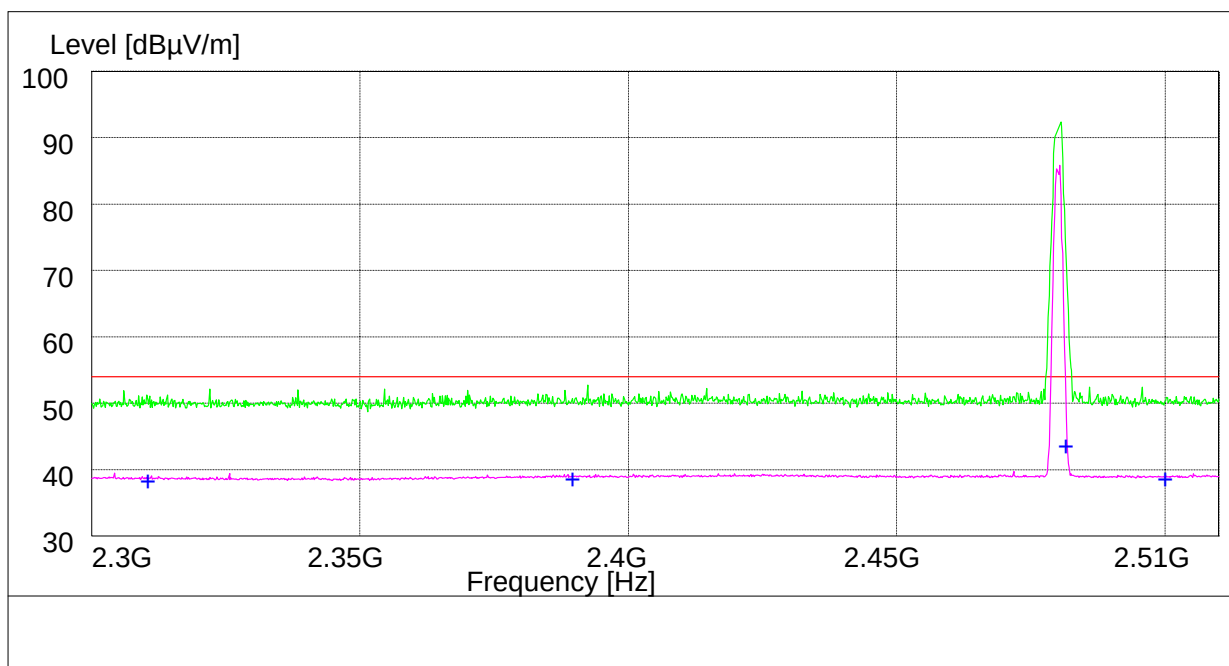


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



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

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.20	33.3	54.0	15.9	192.0	256.00	VERTICAL
2390.000000	38.40	33.5	54.0	15.6	143.0	18.00	VERTICAL
2483.500000	43.80	33.7	54.0	10.2	109.0	345.00	HORIZONTAL
2500.000000	38.40	33.8	54.0	15.6	191.0	185.00	HORIZONTAL



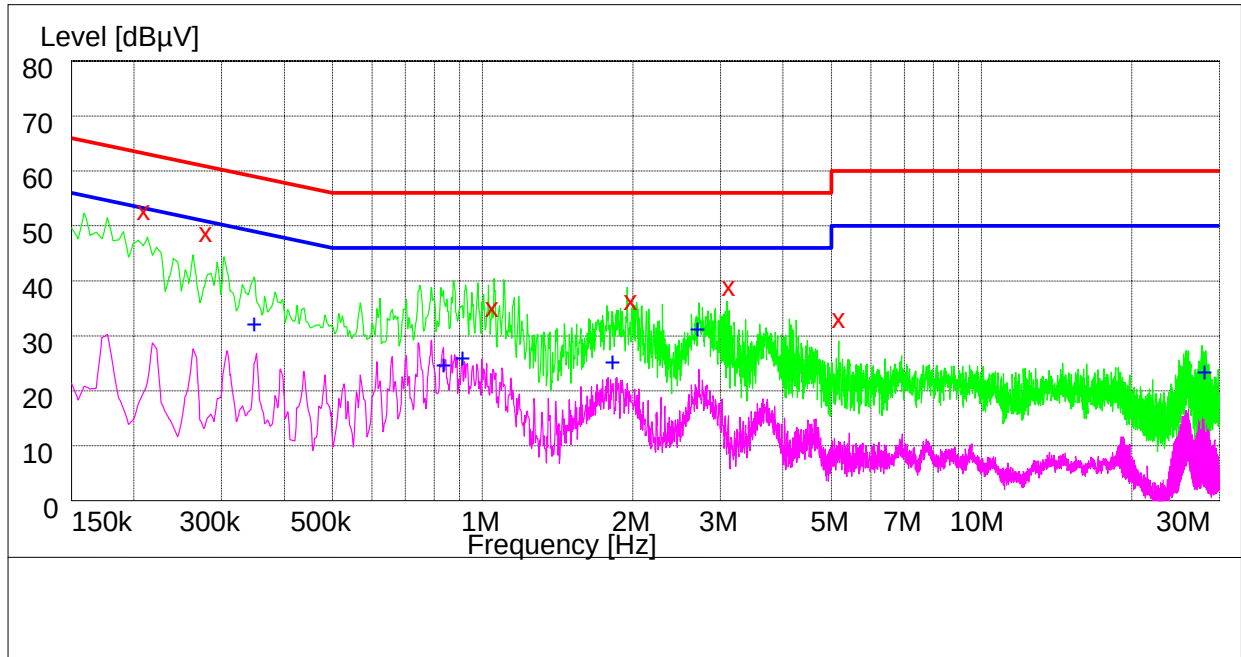
Appendix I

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
0.210000	52.80	10.0	63	10.2	N	FLO
0.280000	48.70	10.0	61	12.3	N	FLO
1.048000	35.10	10.1	56	20.9	N	FLO
1.990000	36.40	10.1	56	19.6	N	FLO
3.126000	39.20	10.2	56	16.8	N	FLO
5.198000	34.60	10.2	60	25.4	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.348000	31.90	10.0	49	17.1	N	FLO
0.834000	26.00	10.1	46	20.0	N	FLO
0.912000	27.30	10.1	46	18.7	N	FLO
1.824000	26.40	10.1	46	19.6	N	FLO
2.696000	31.10	10.2	46	14.9	N	FLO
28.014000	24.70	10.4	50	25.3	N	FLO