



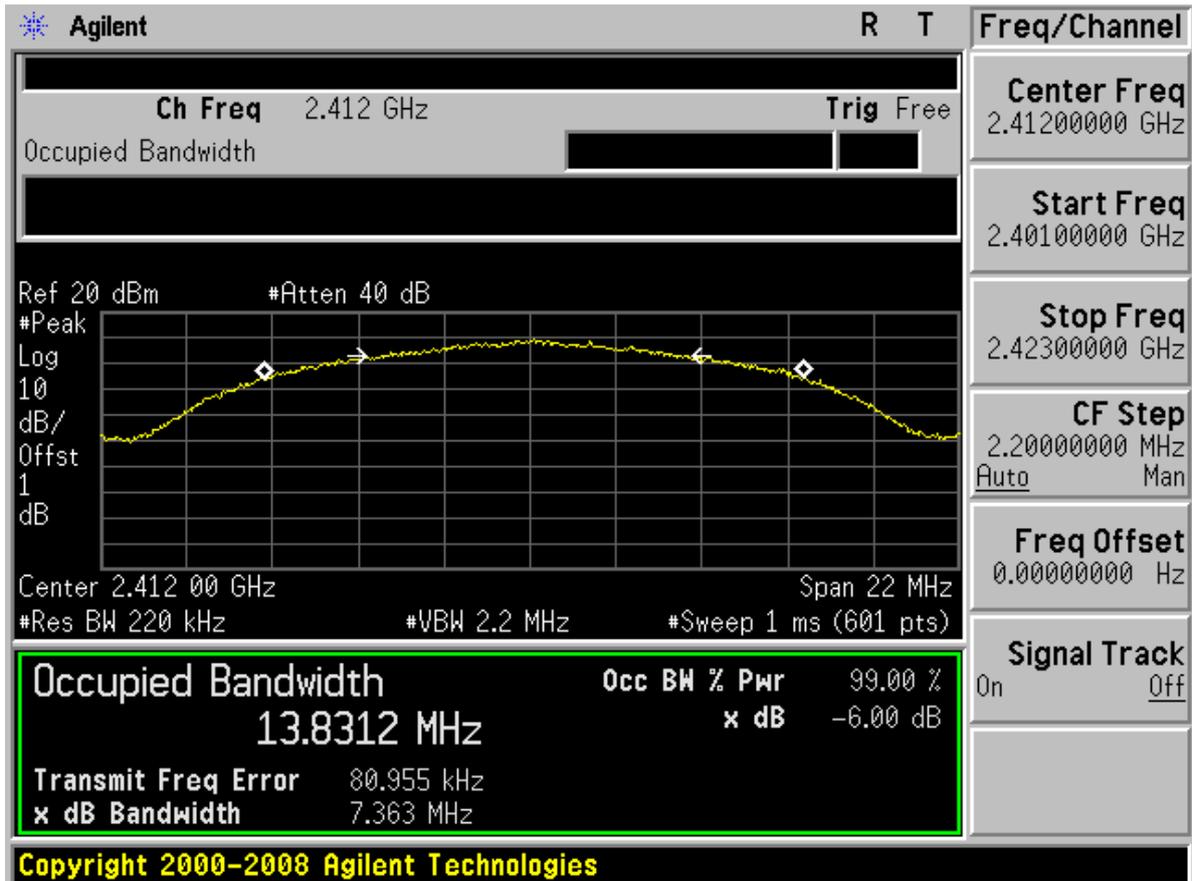
Appendix A

Bandwidth measurement

According to FCC Part 15.247 (a) (2)

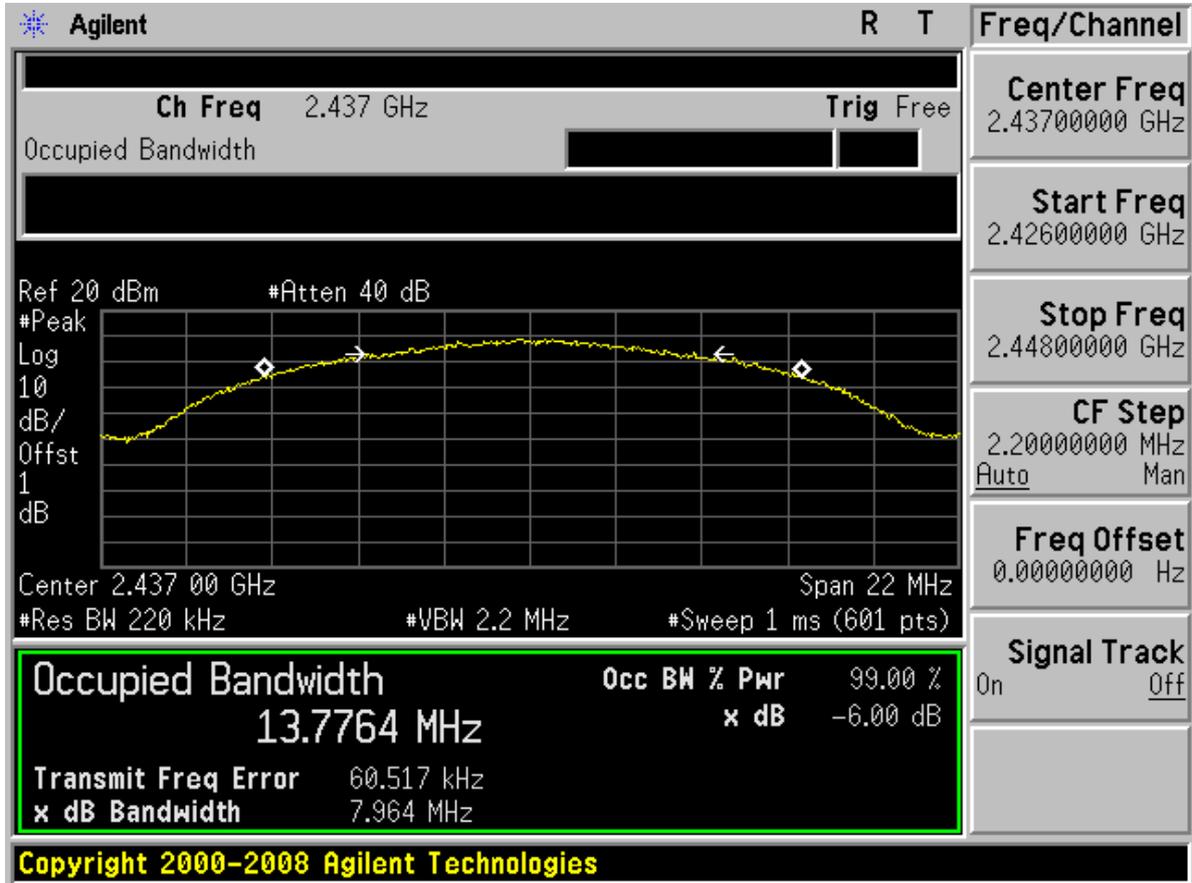


TM1 Channel 1 (2412MHz)



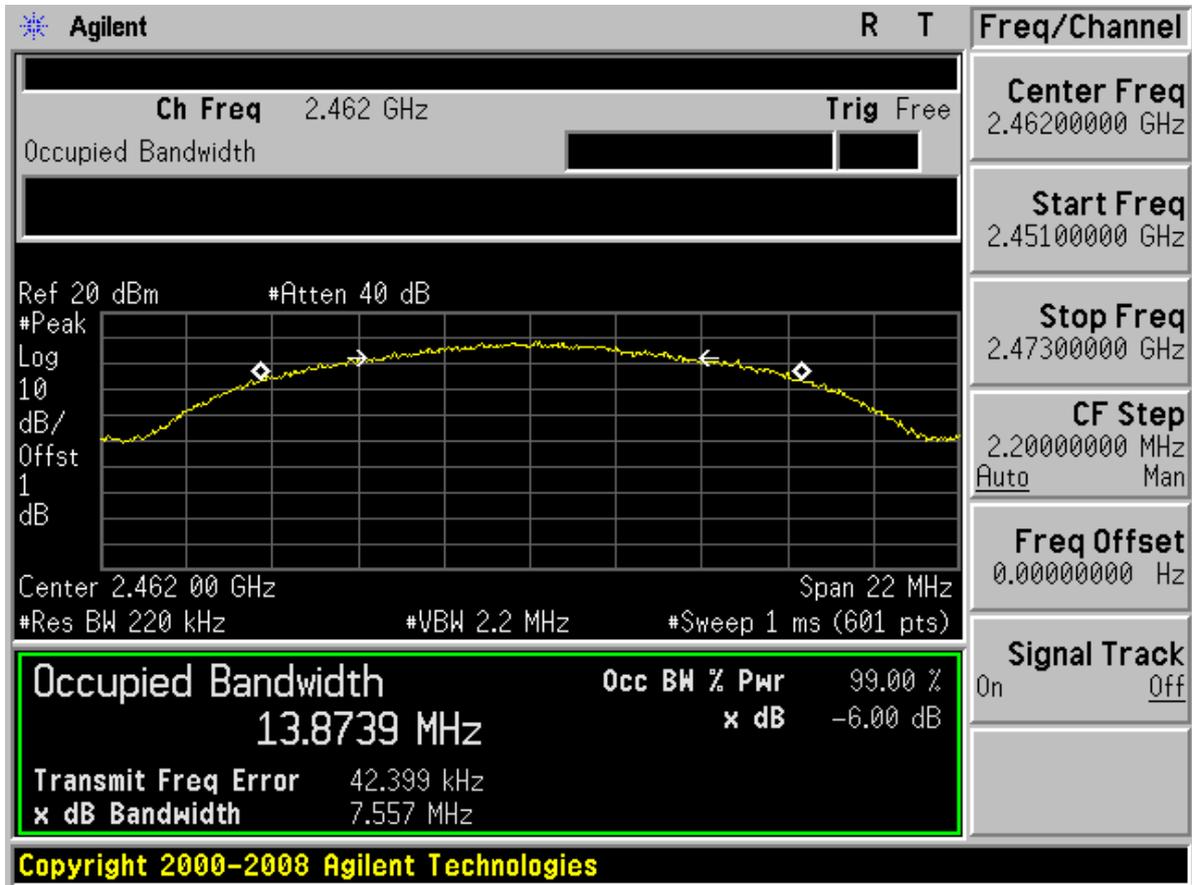


Channel 6 (2437MHz)



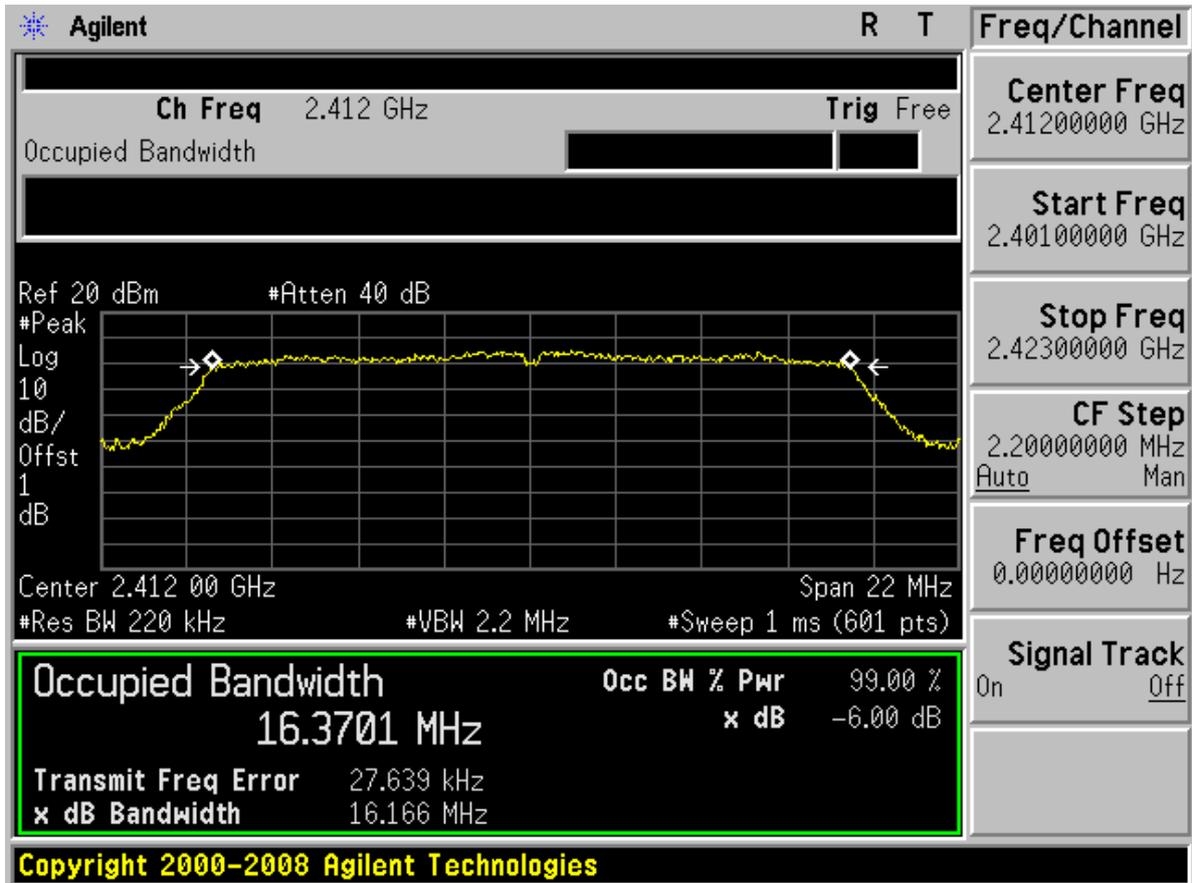


Channel 11 (2462MHz)



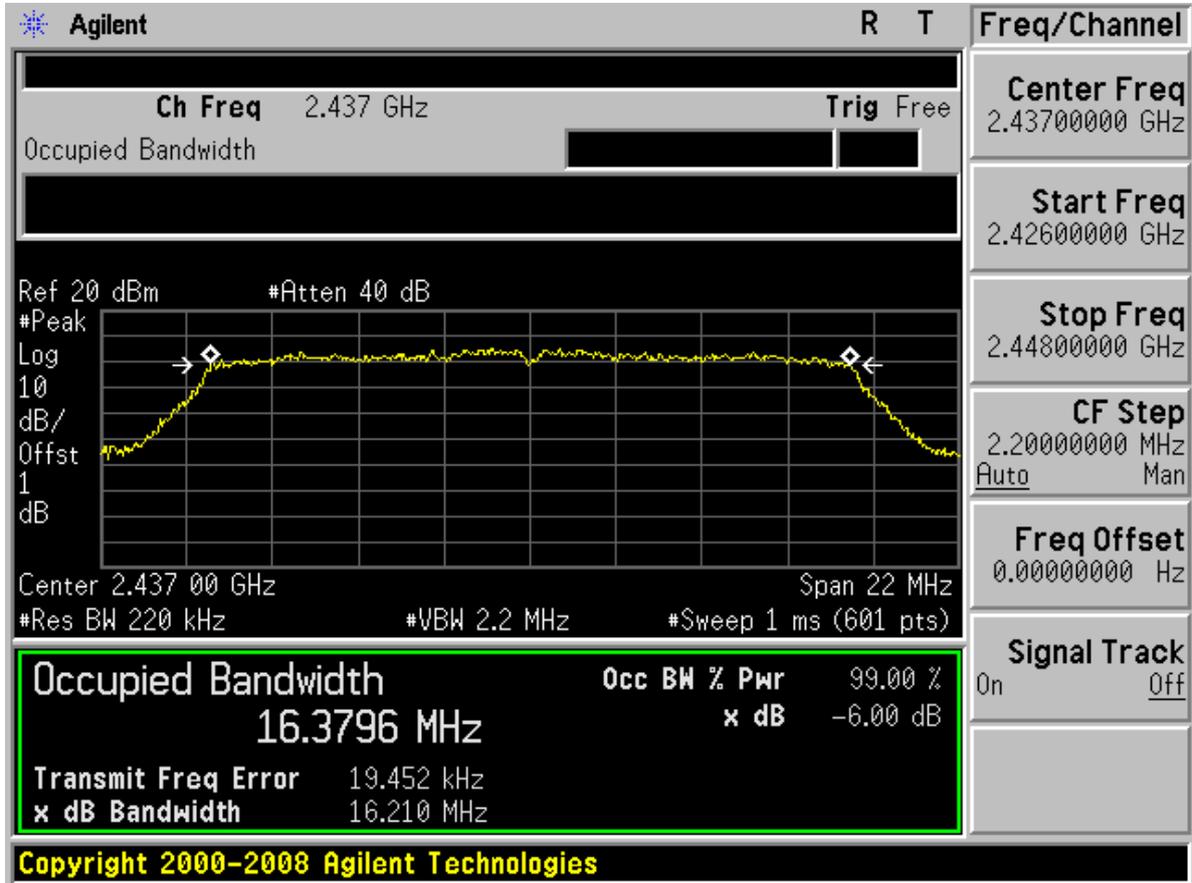


TM2 Channel 1 (2412MHz)



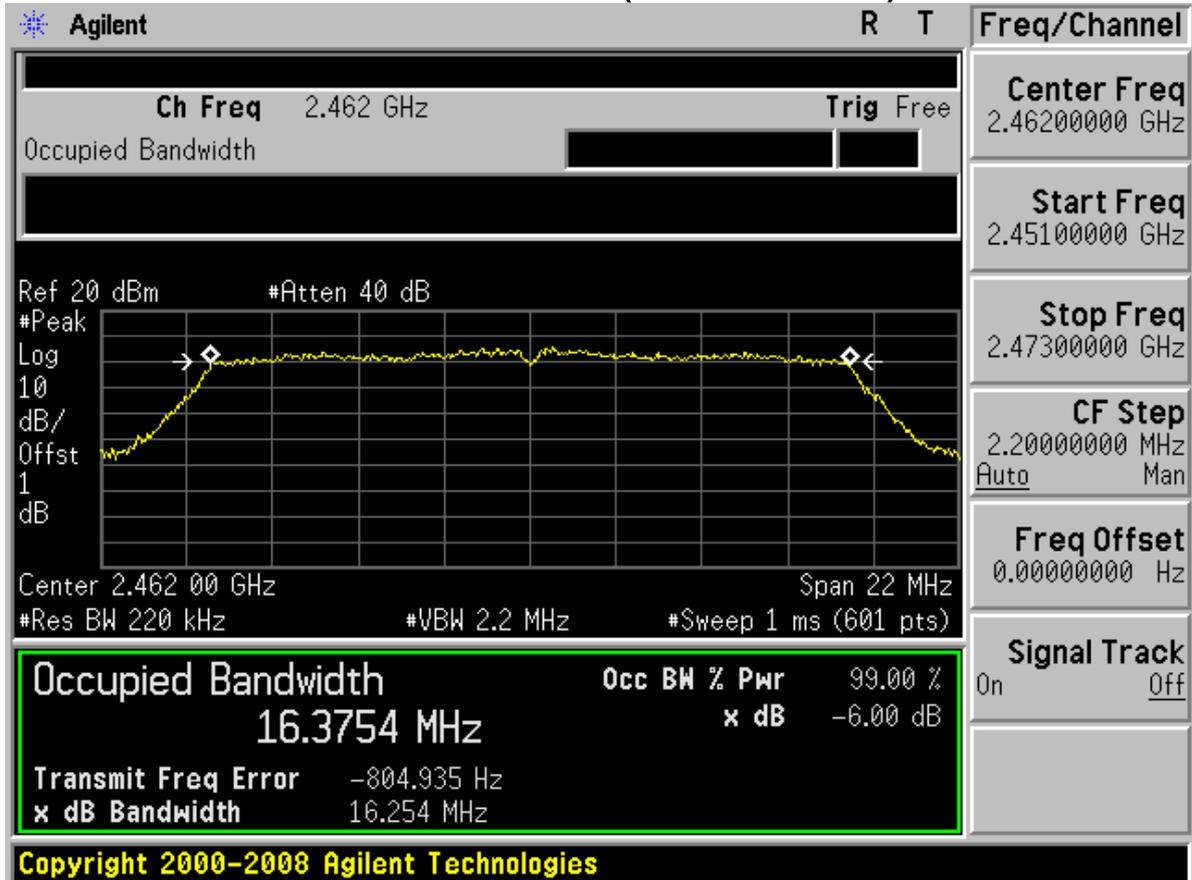


Channel 6 (2437MHz)



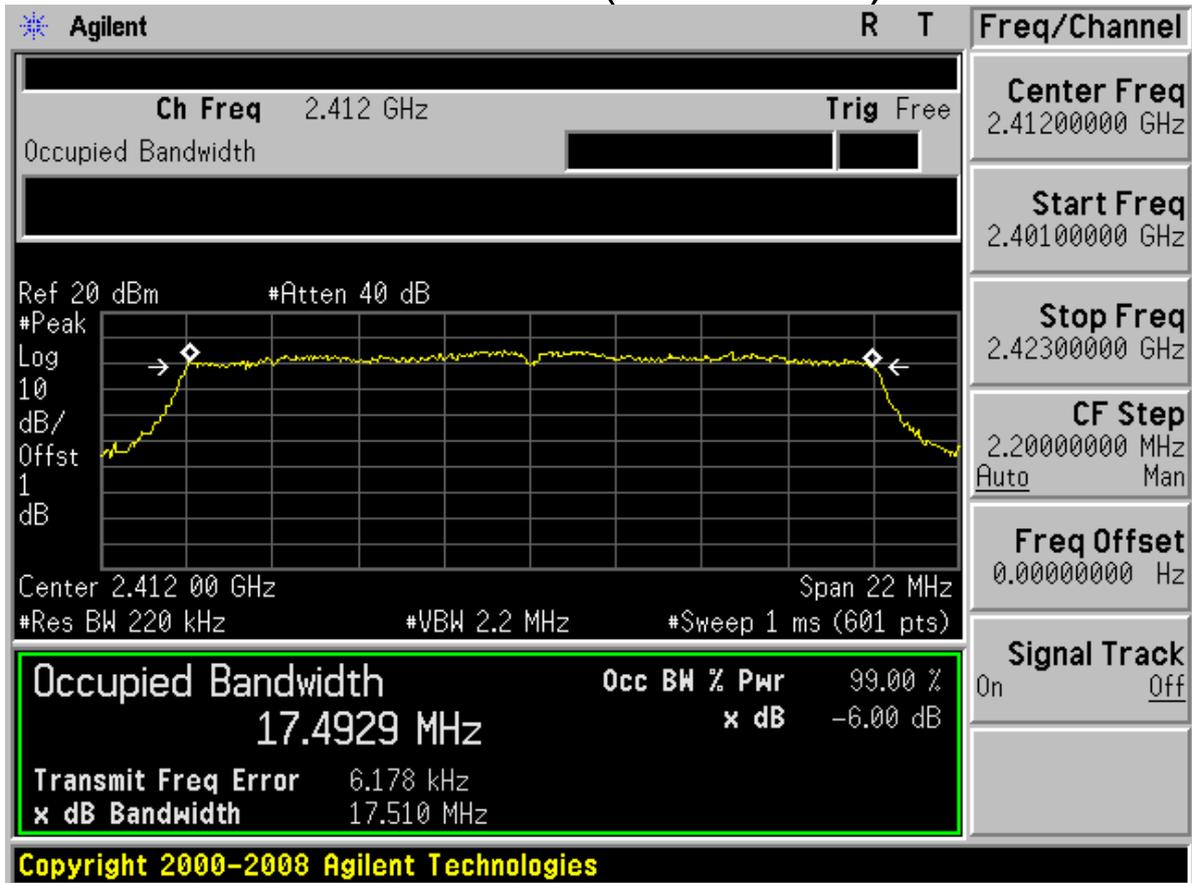


Channel 11 (2462MHz)



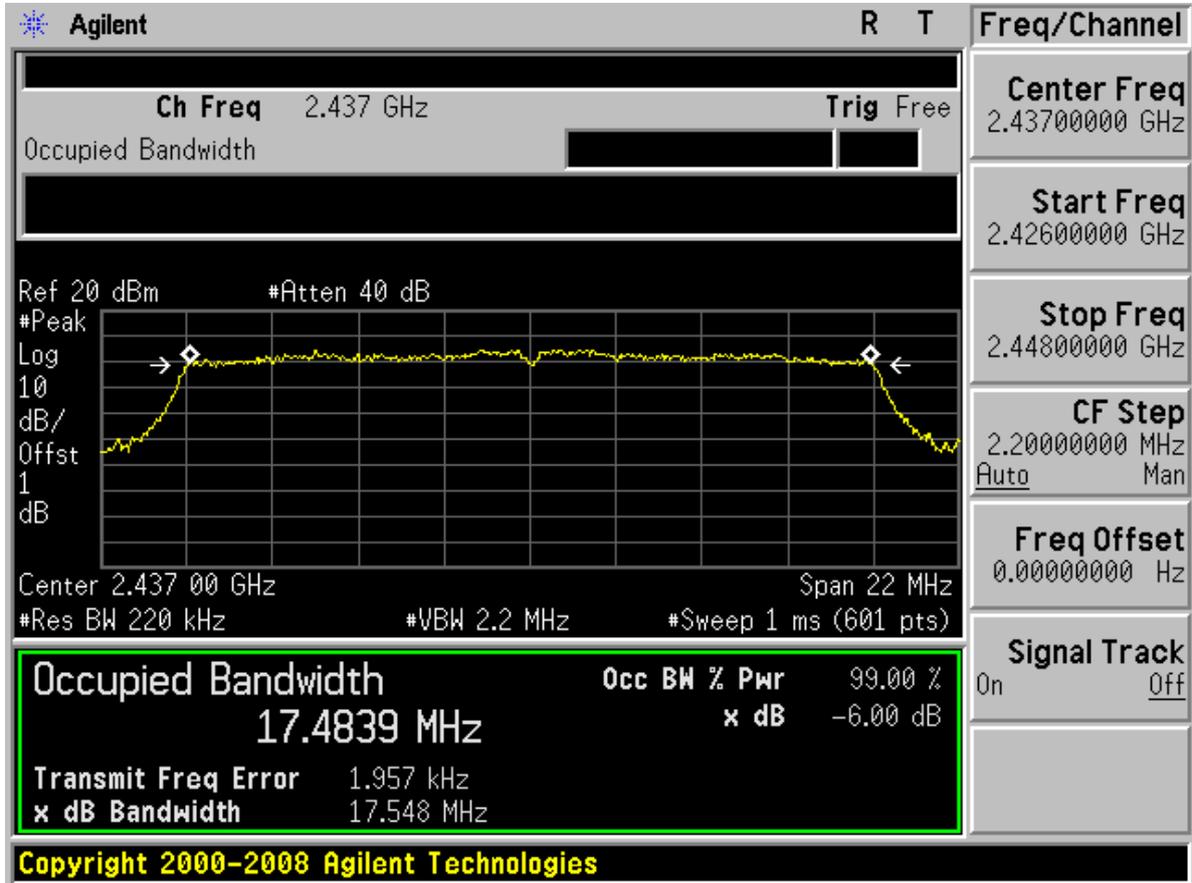


TM3 Channel 1 (2412MHz)



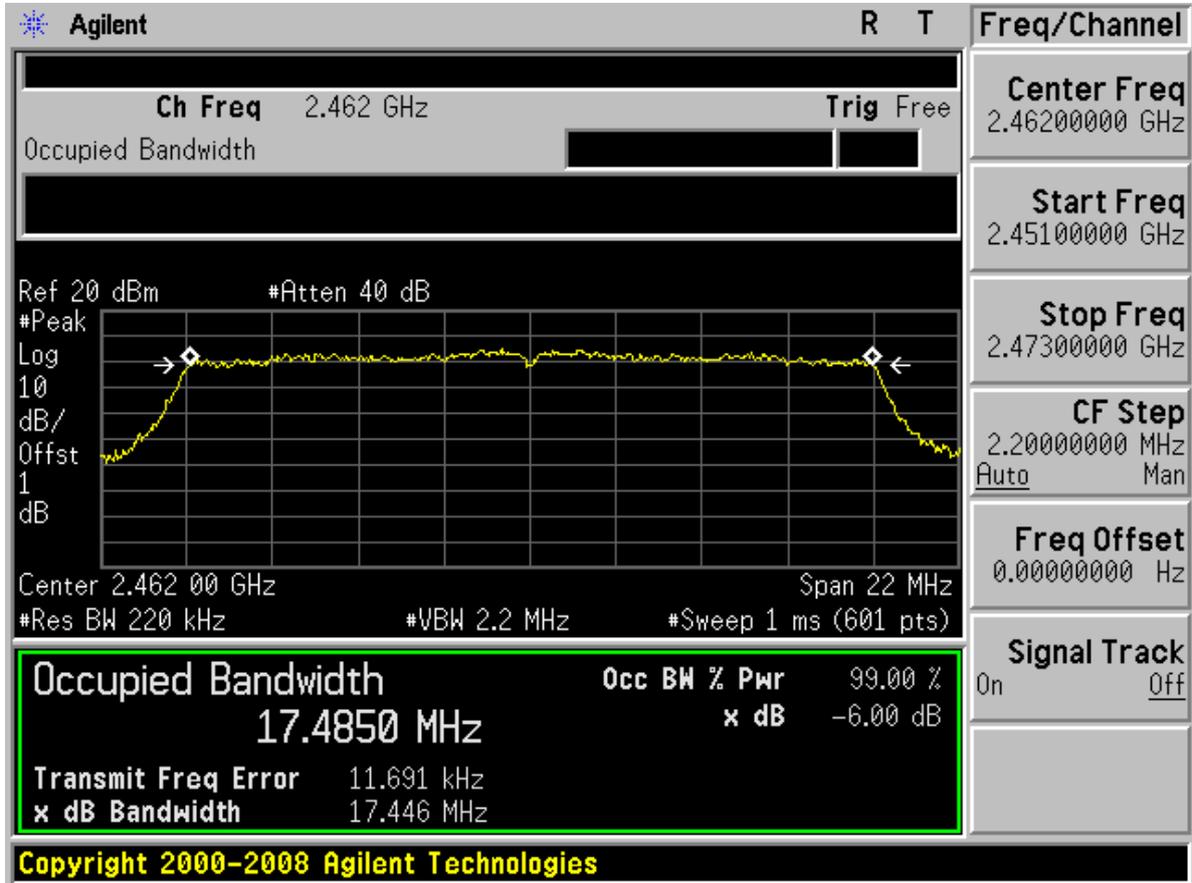


Channel 6 (2437MHz)





Channel 11 (2462MHz)



-----The END-----



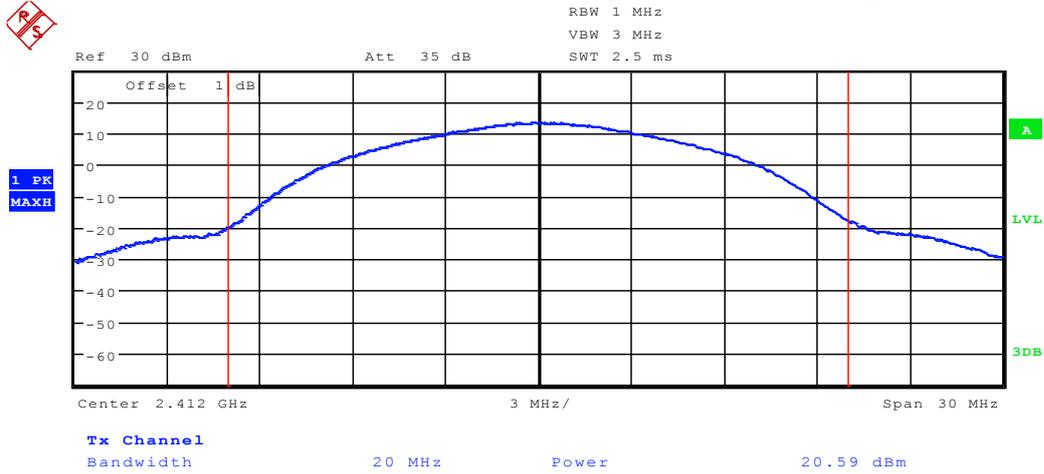
Appendix B

Conducted Peak output power

According to FCC Part 15.247 (b) (3)

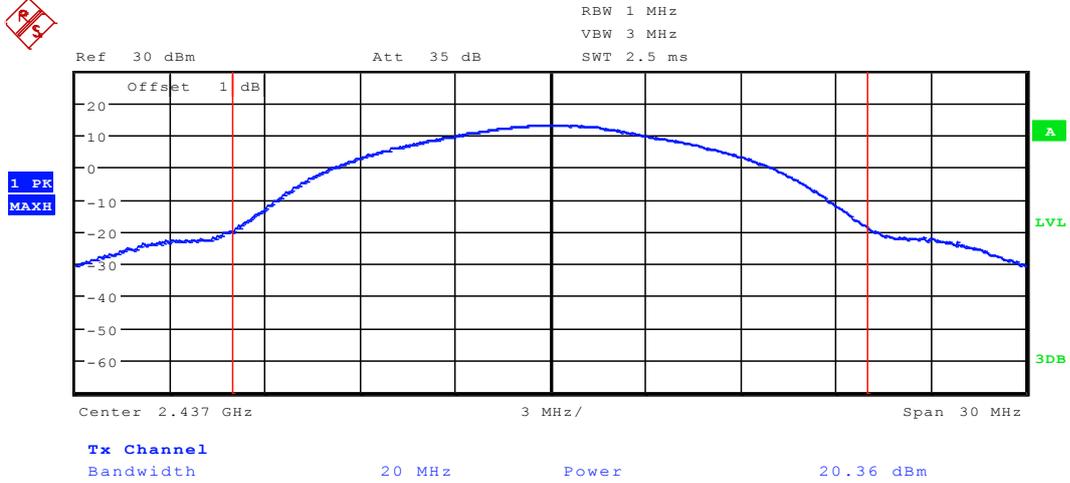


TM1 Channel 1 (2412MHz)



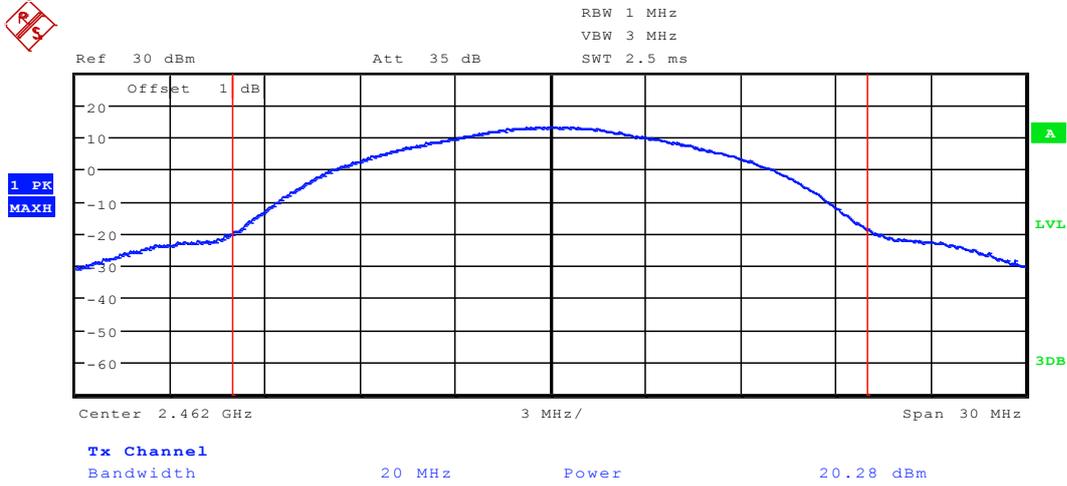


Channel 6 (2437MHz)



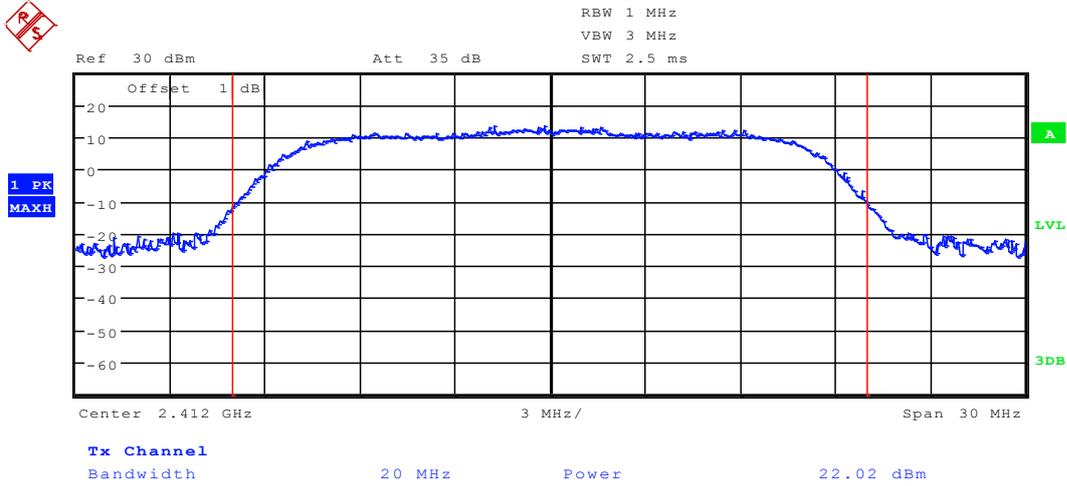


Channel 11 (2462MHz)



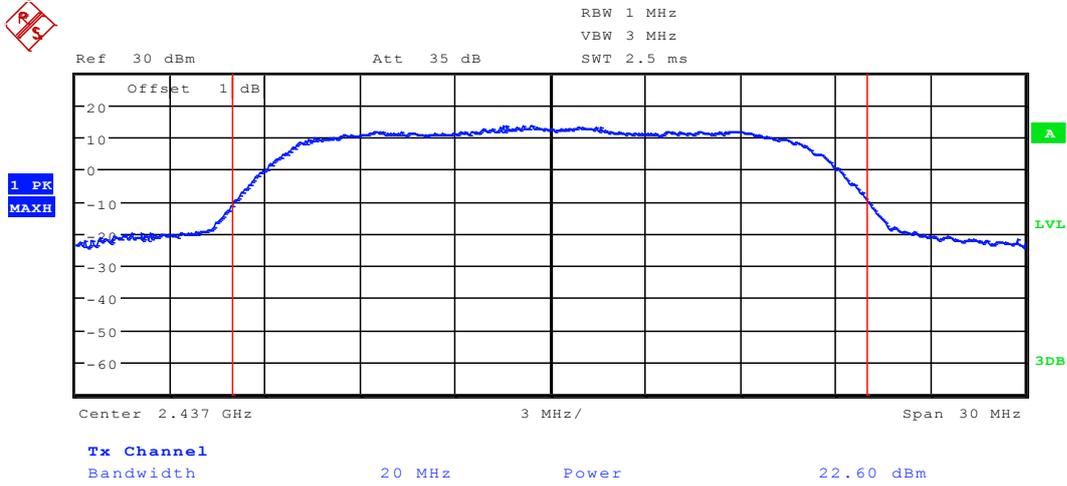


TM2 Channel 1 (2412MHz)



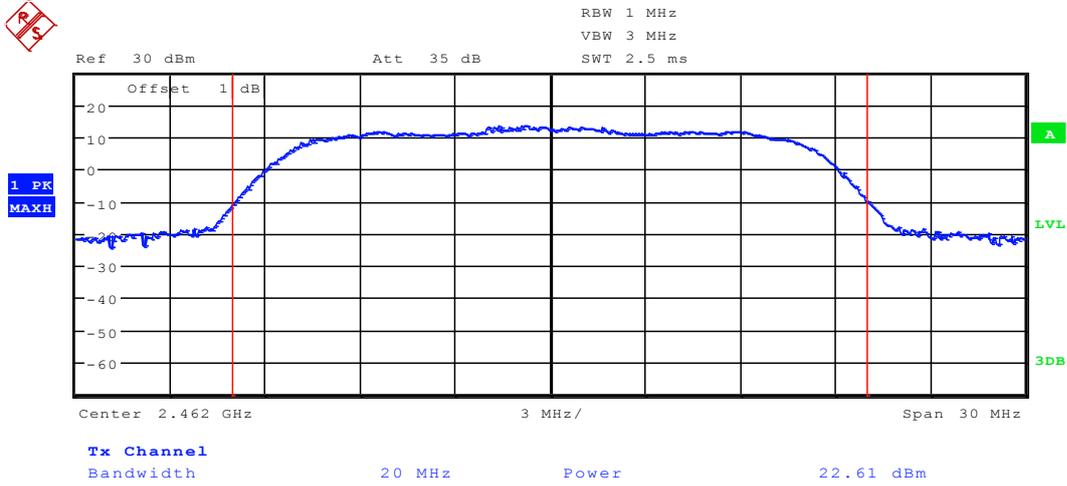


Channel 6 (2437MHz)



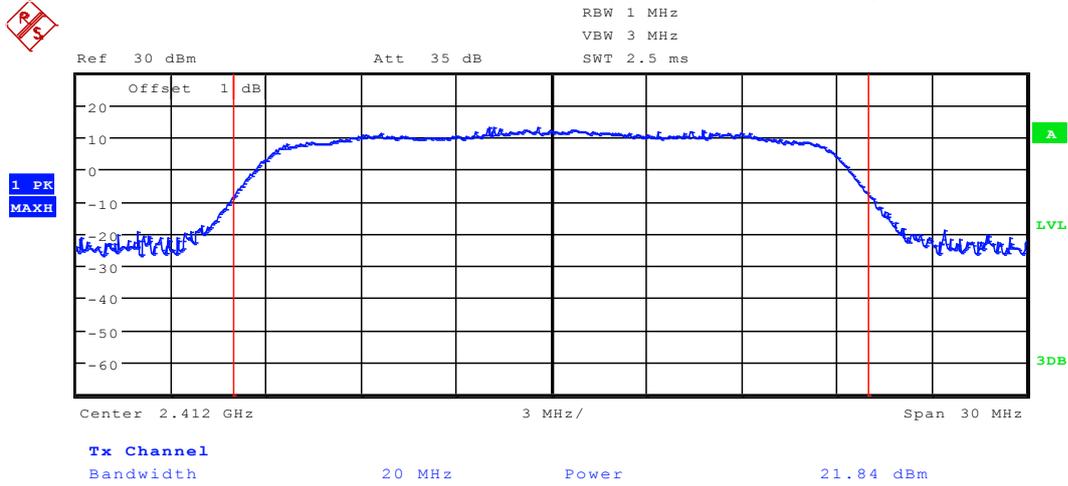


Channel 11 (2462MHz)



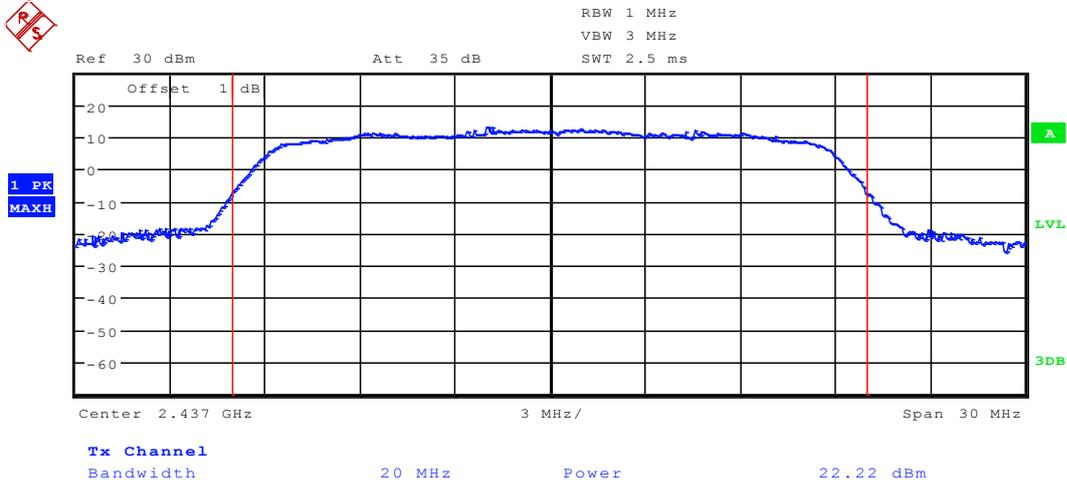


TM3 Channel 1 (2412MHz)



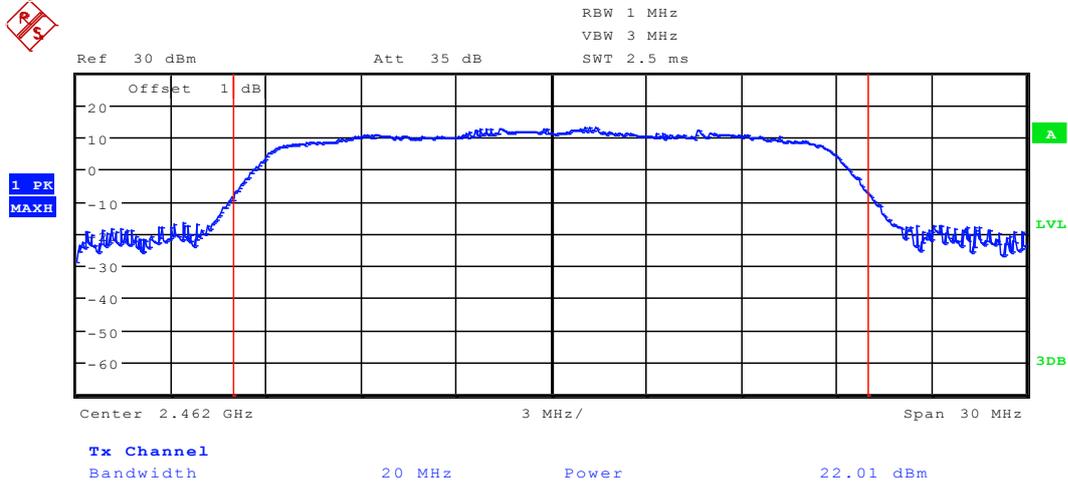


Channel 6 (2437MHz)





Channel 11 (2462MHz)



-----The END-----



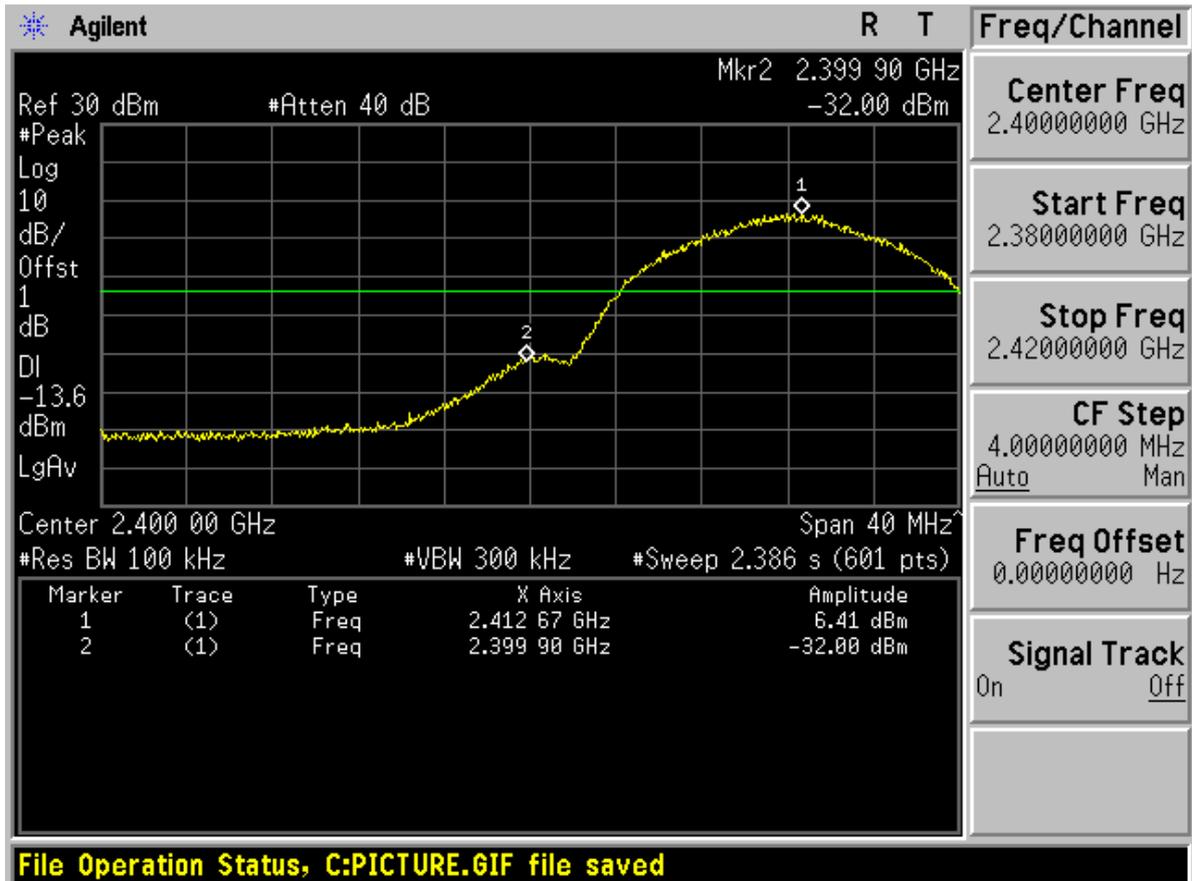
Appendix C

Band edge spurious emission

According to FCC Part 15.247 (d)

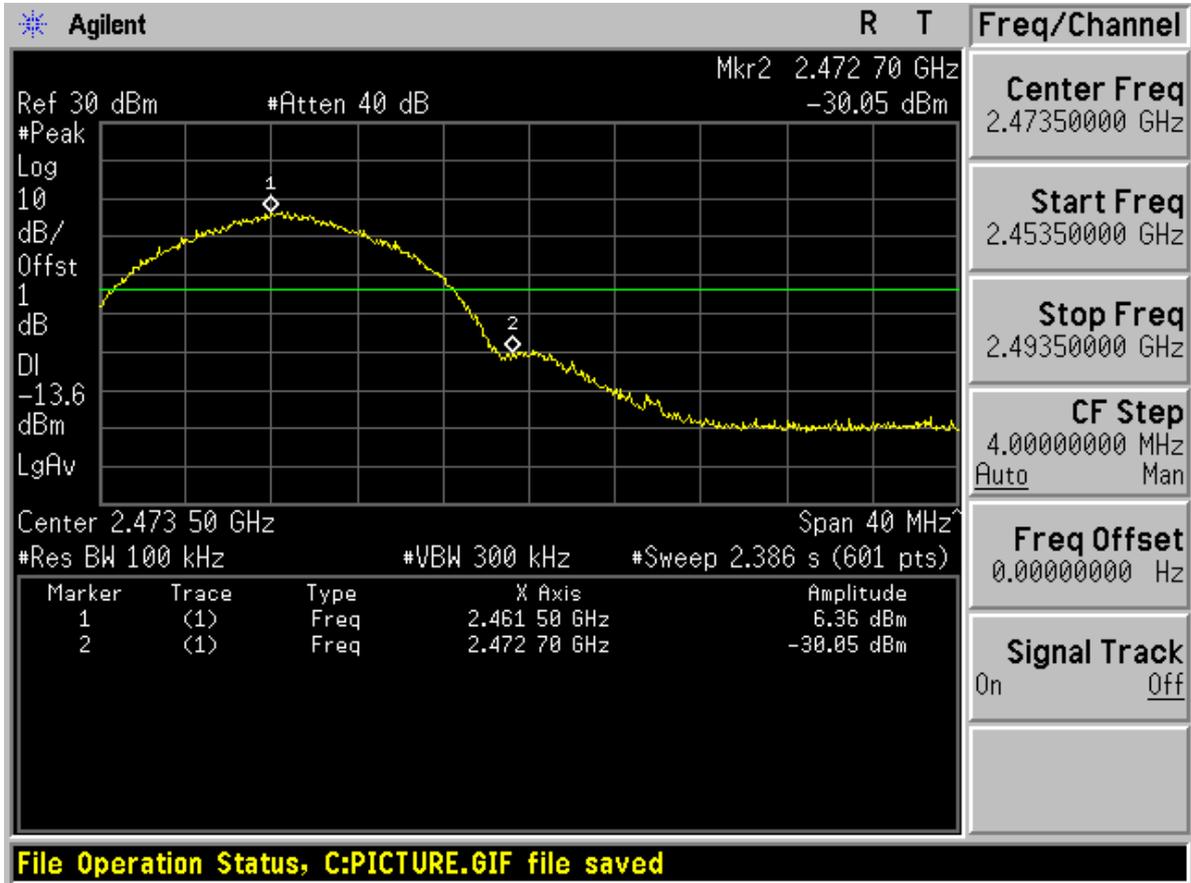


TM1 Low edge



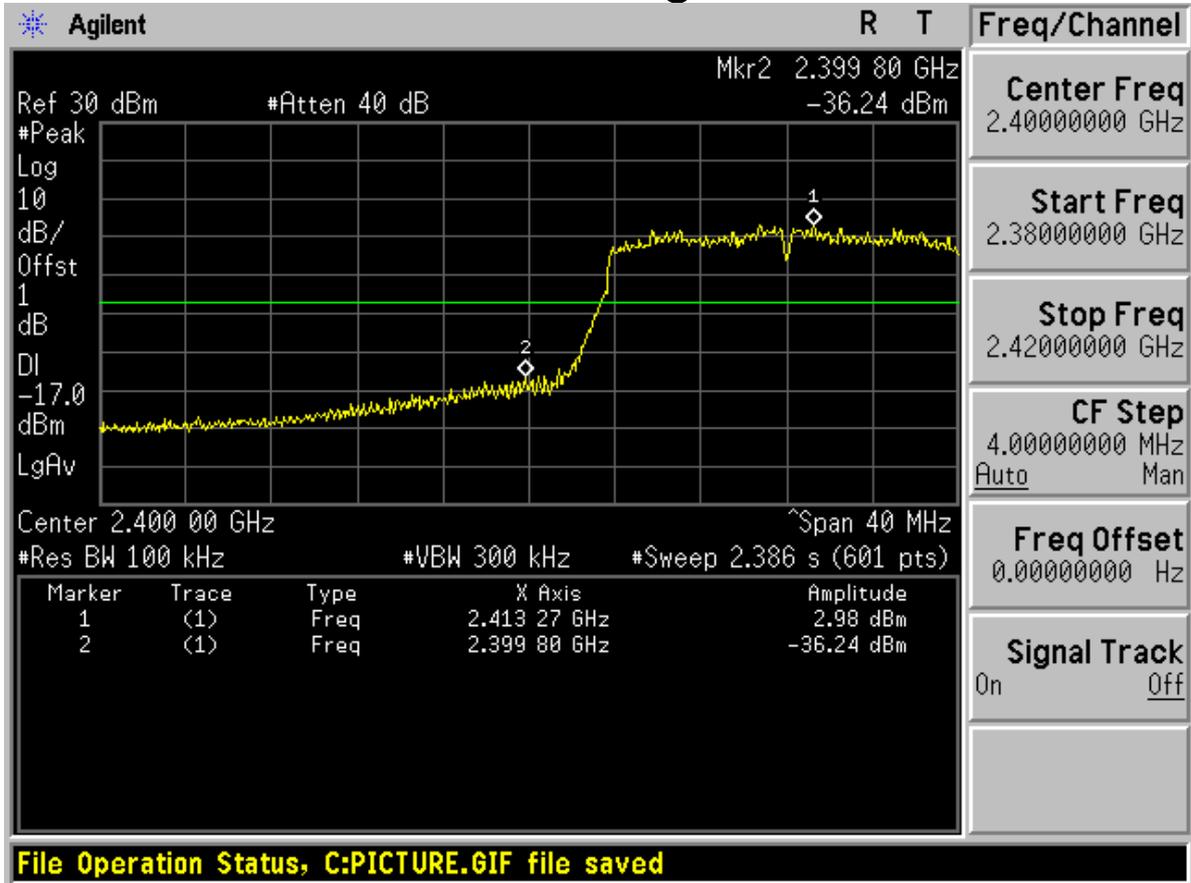


High edge



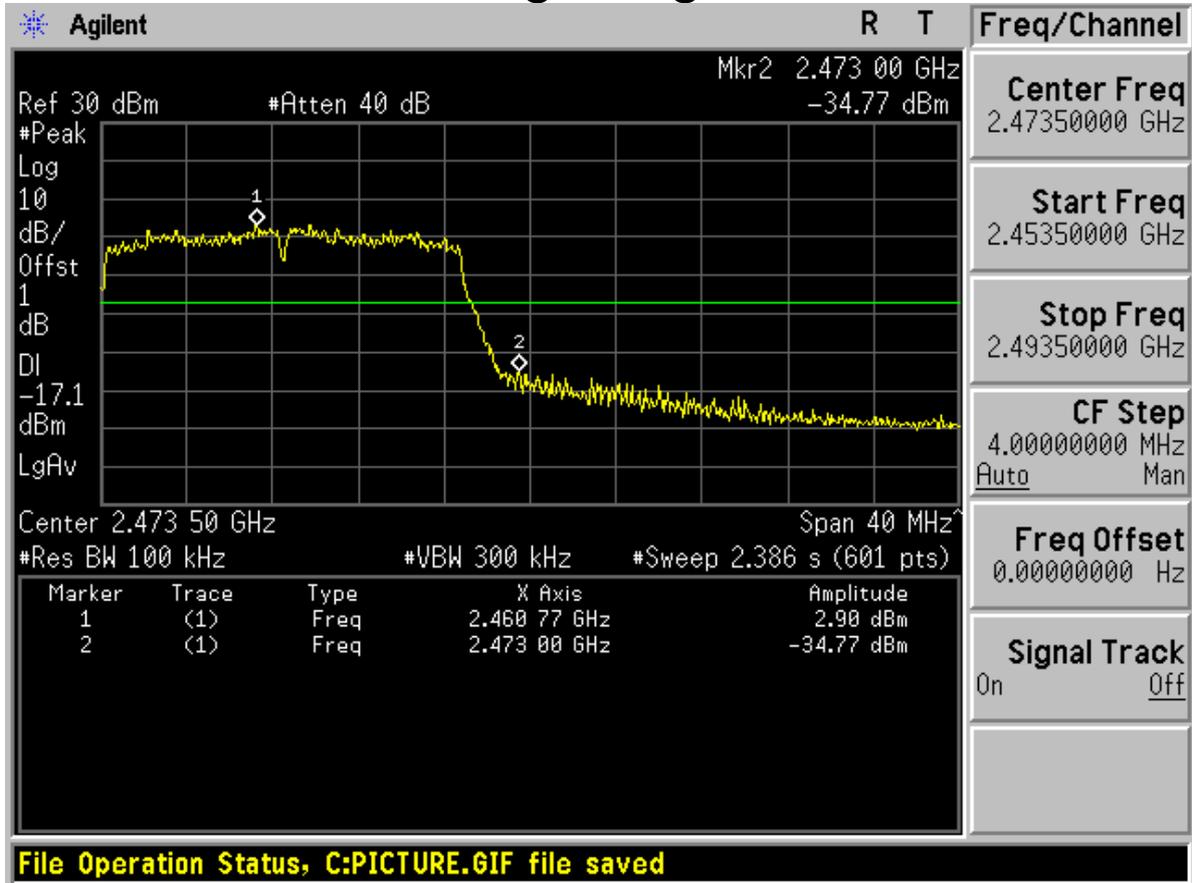


TM2 Low edge





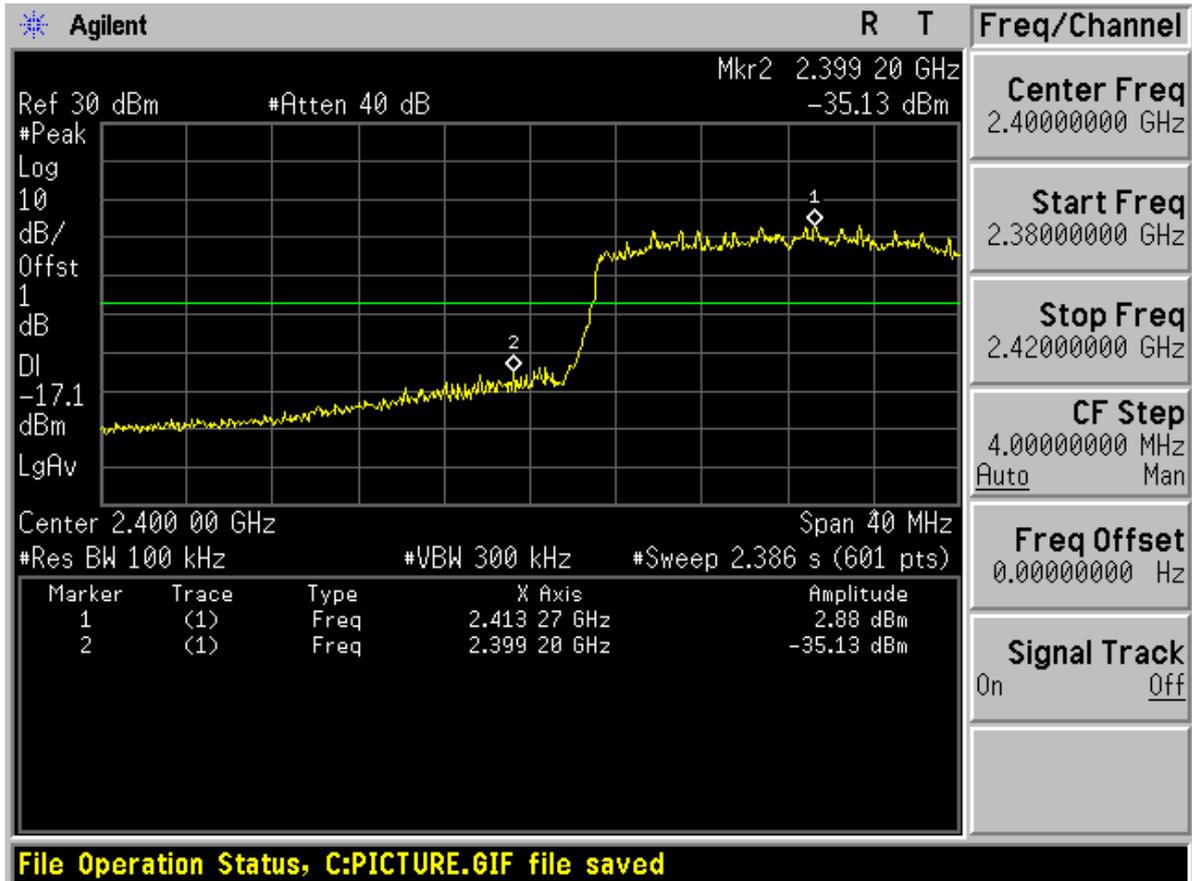
High edge





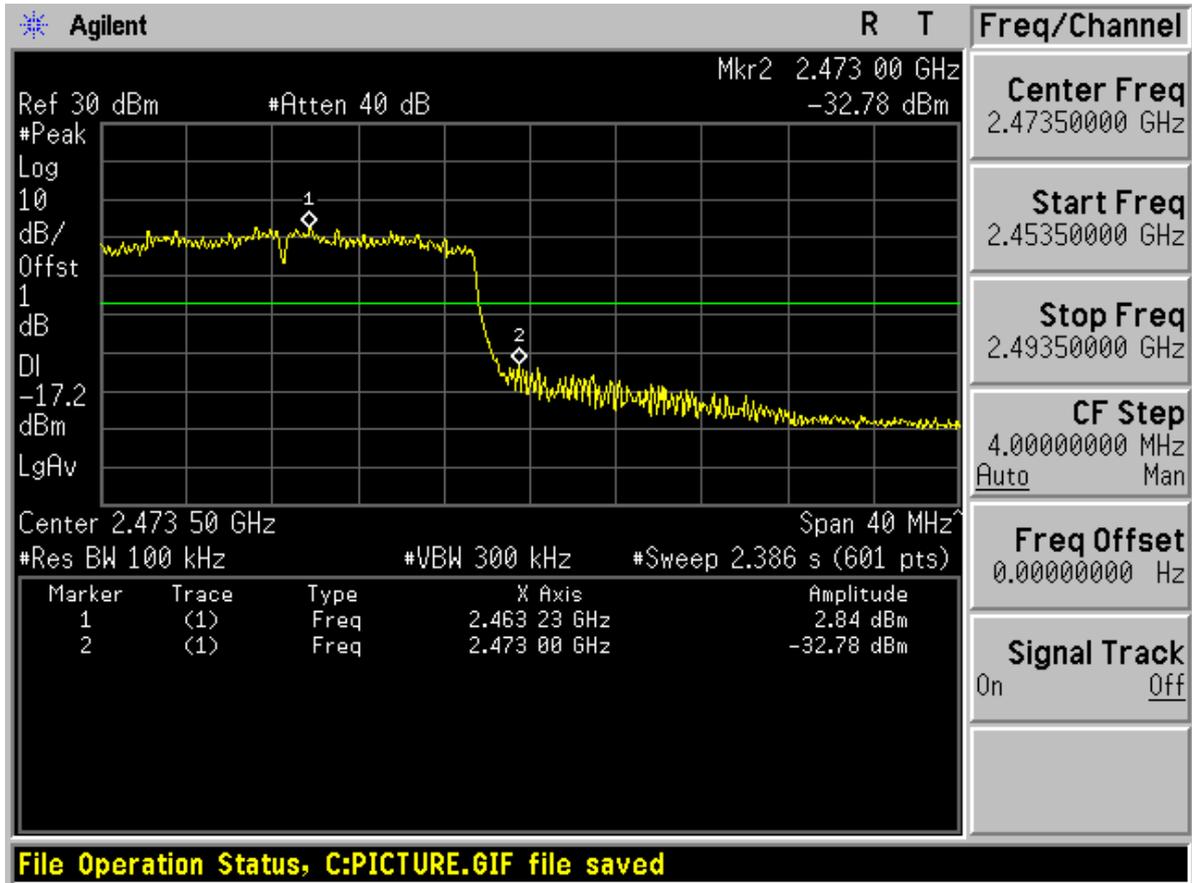
TM3

Low edge





High edge



-----The END-----



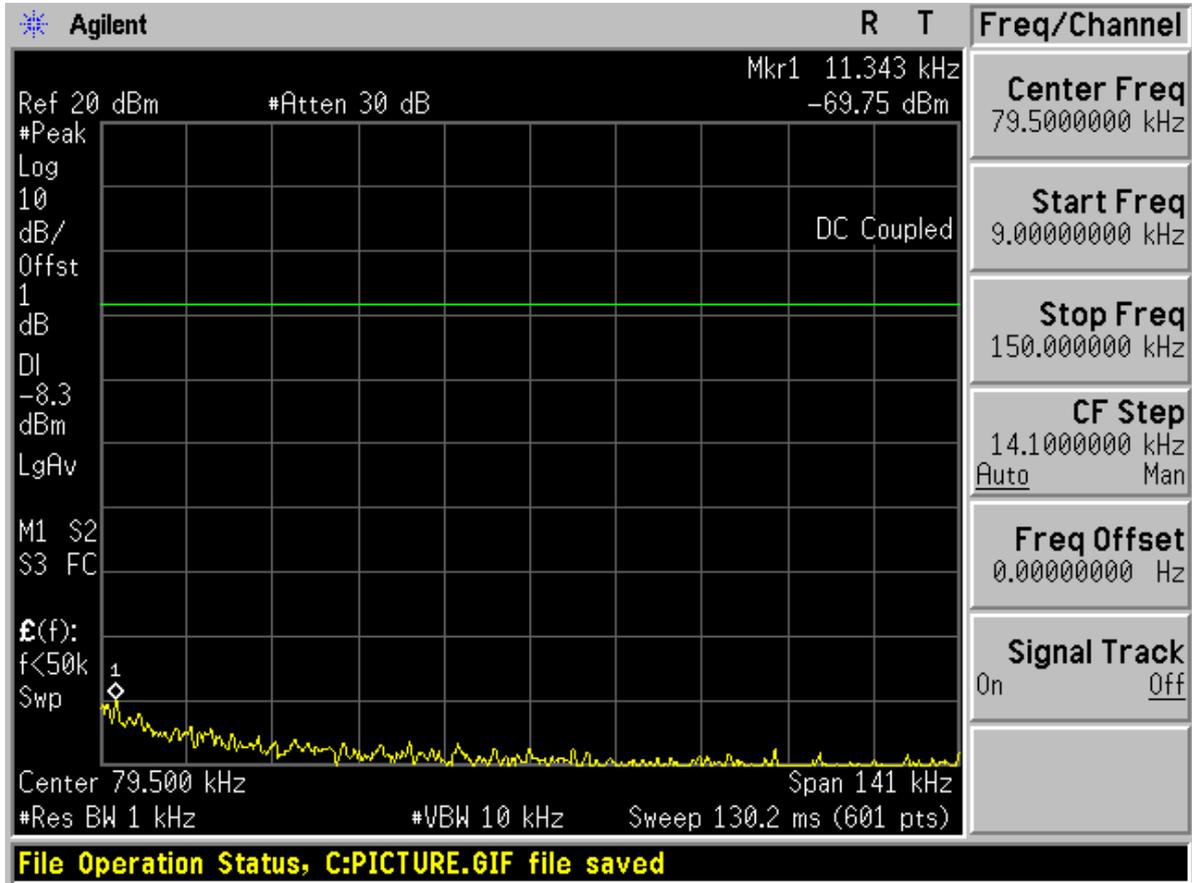
Appendix D

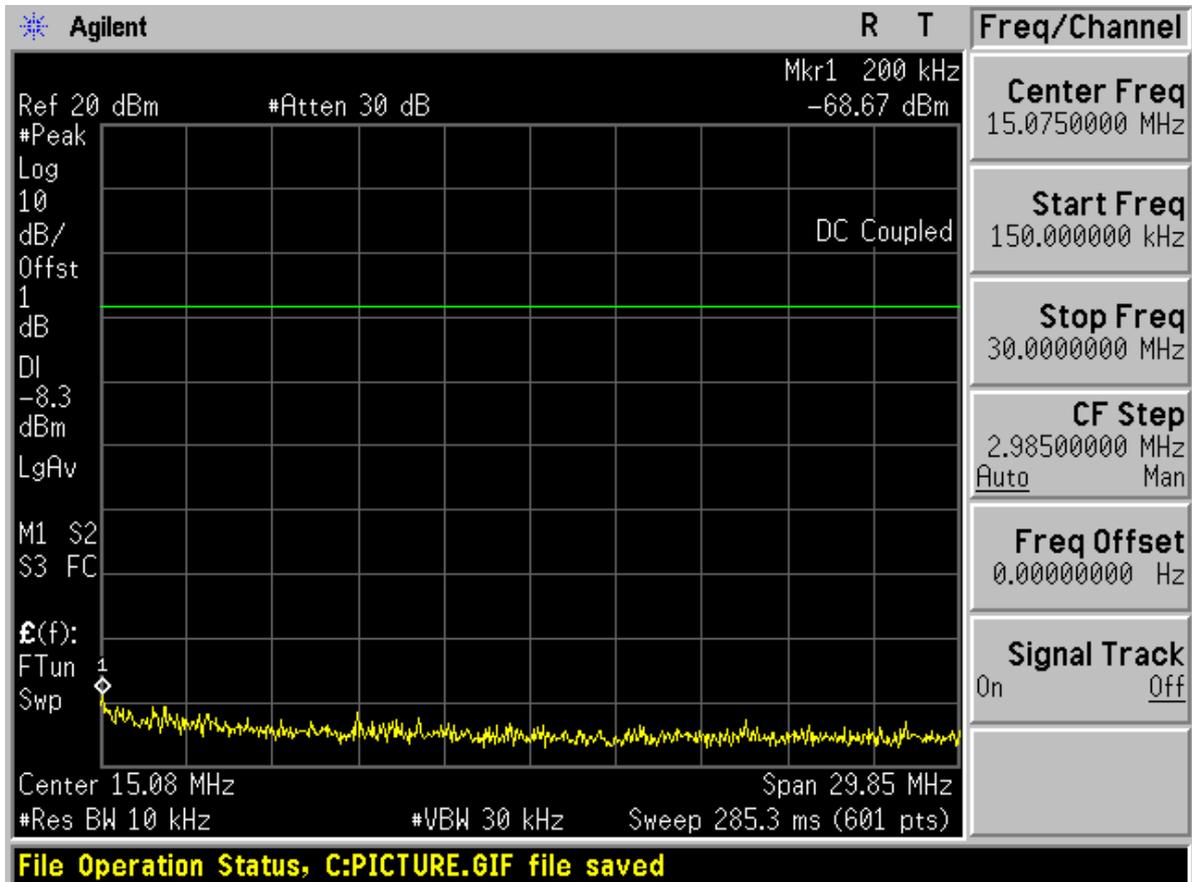
Conducted RF spurious

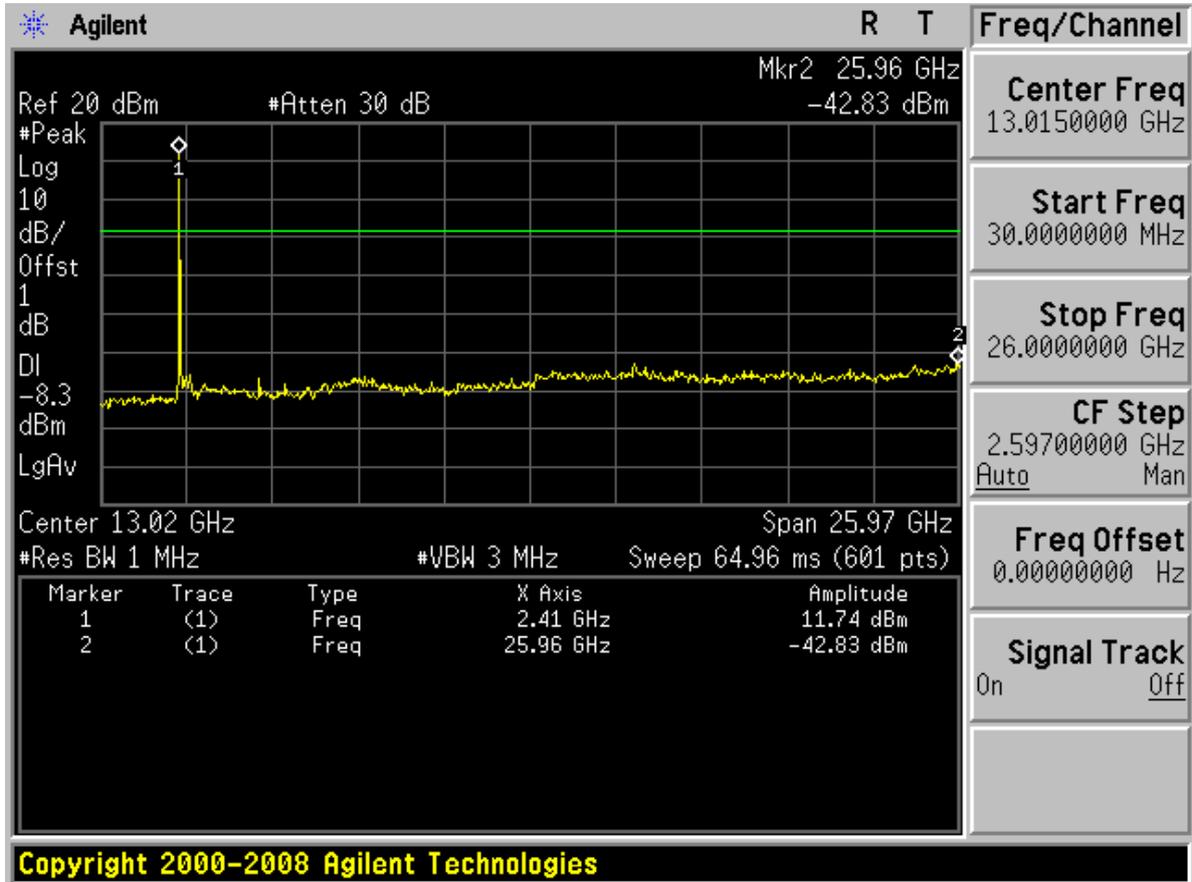
According to FCC Part 15.247 (d)



TM1 Channel 1

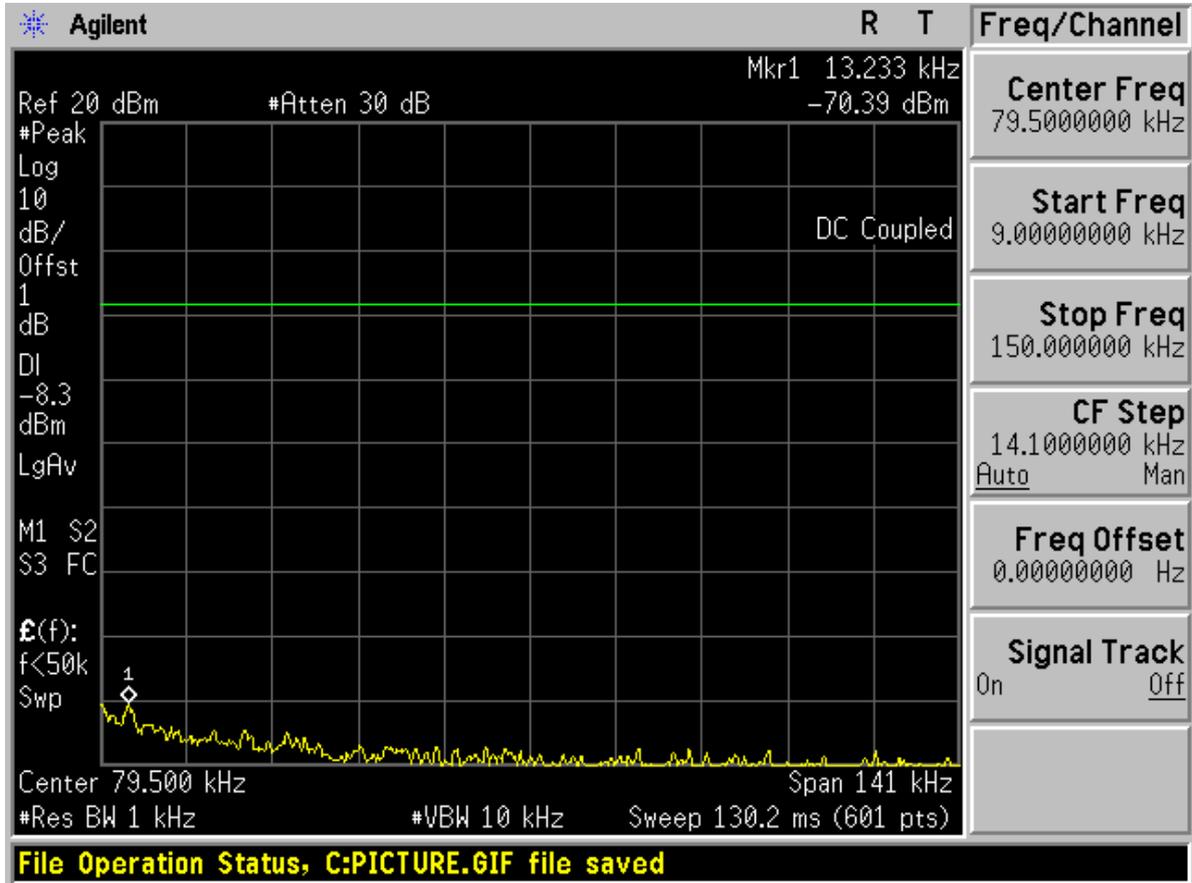


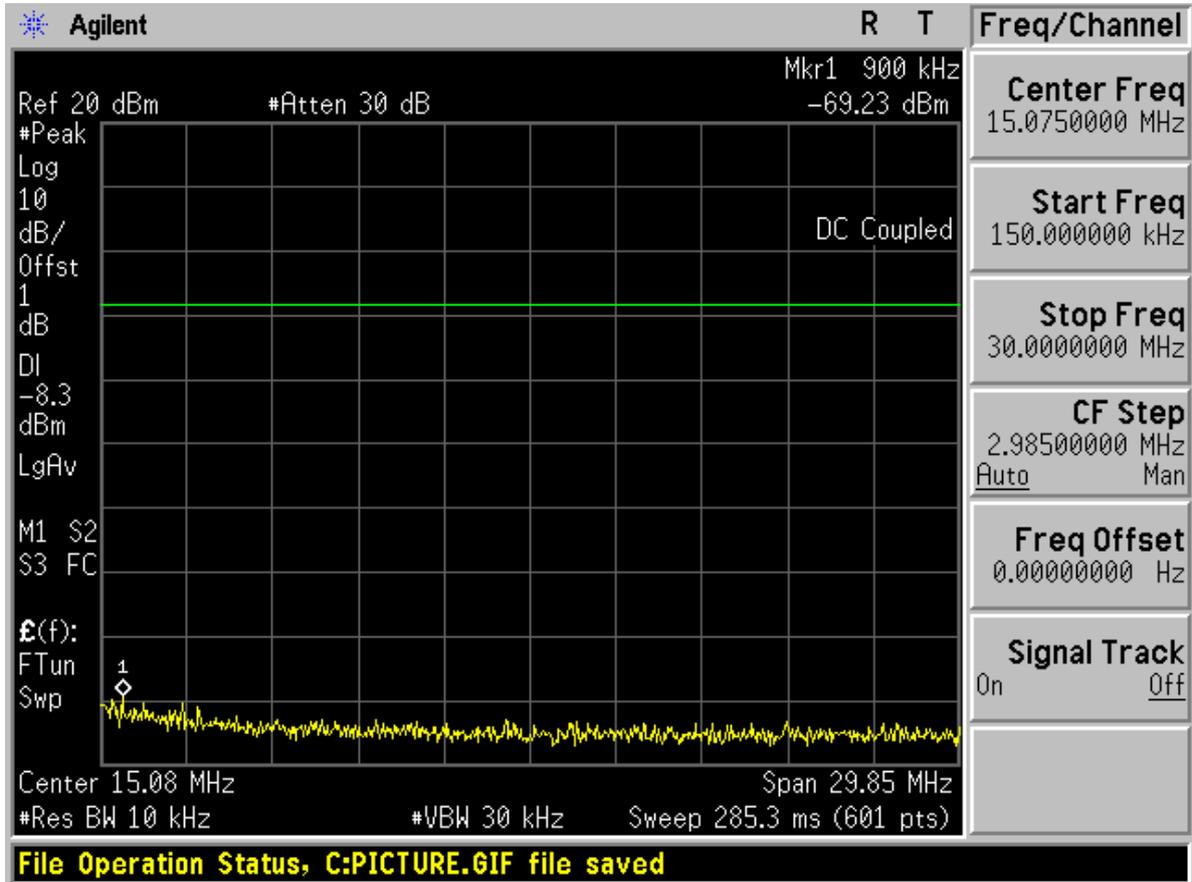


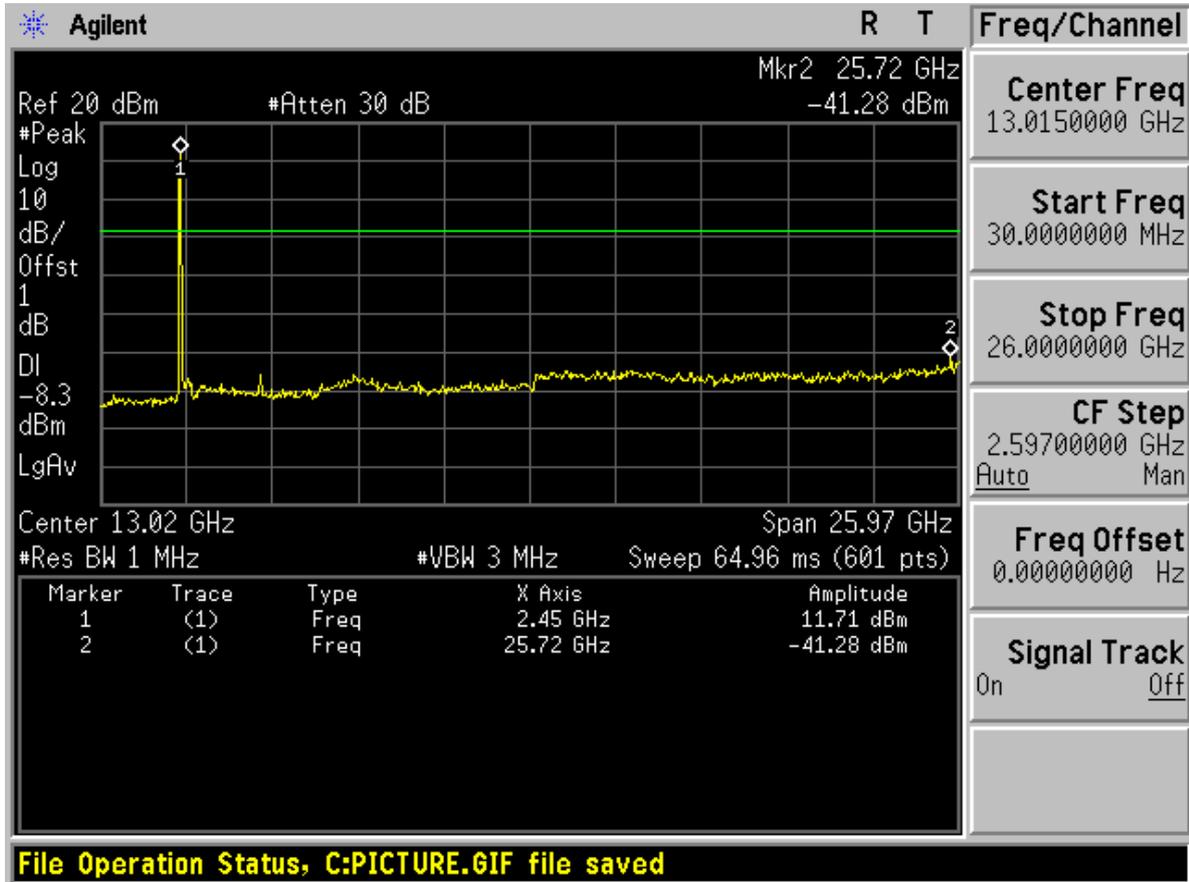




Channel 6

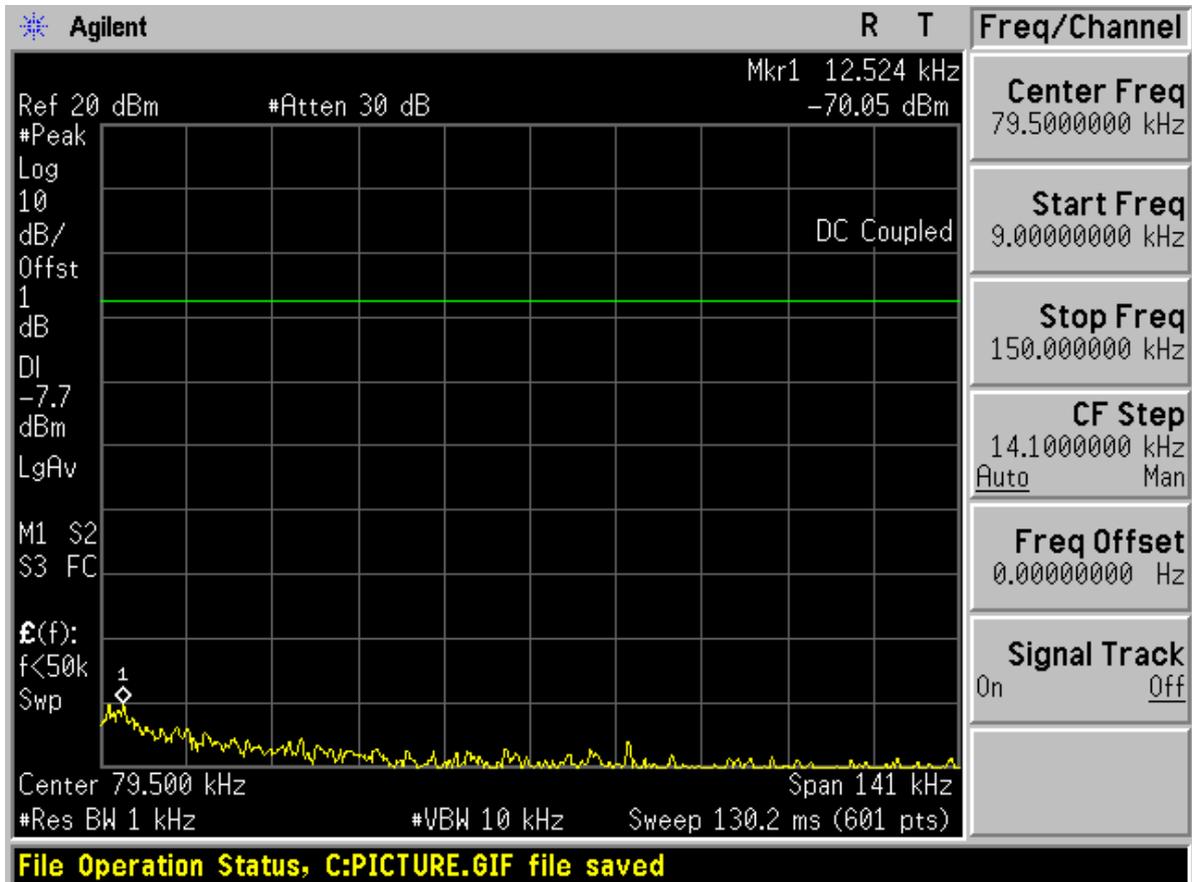


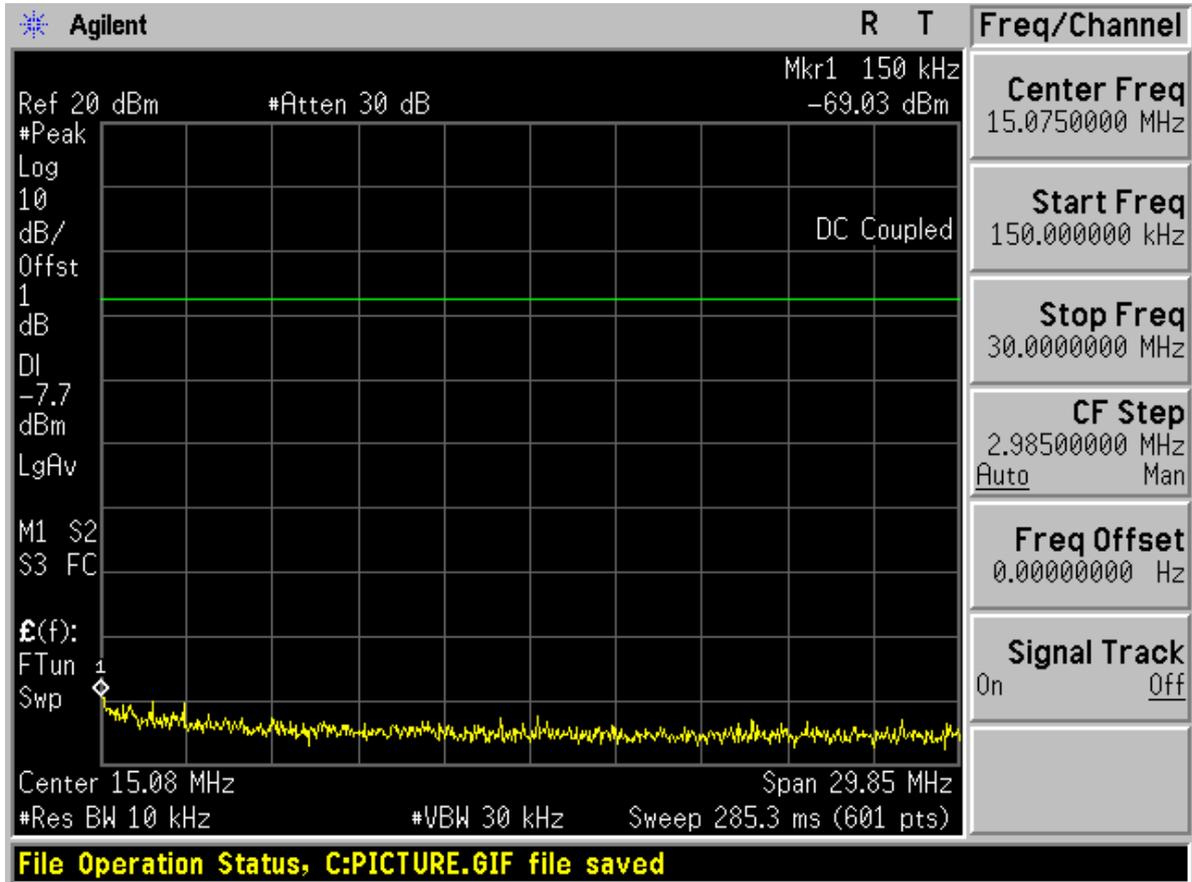


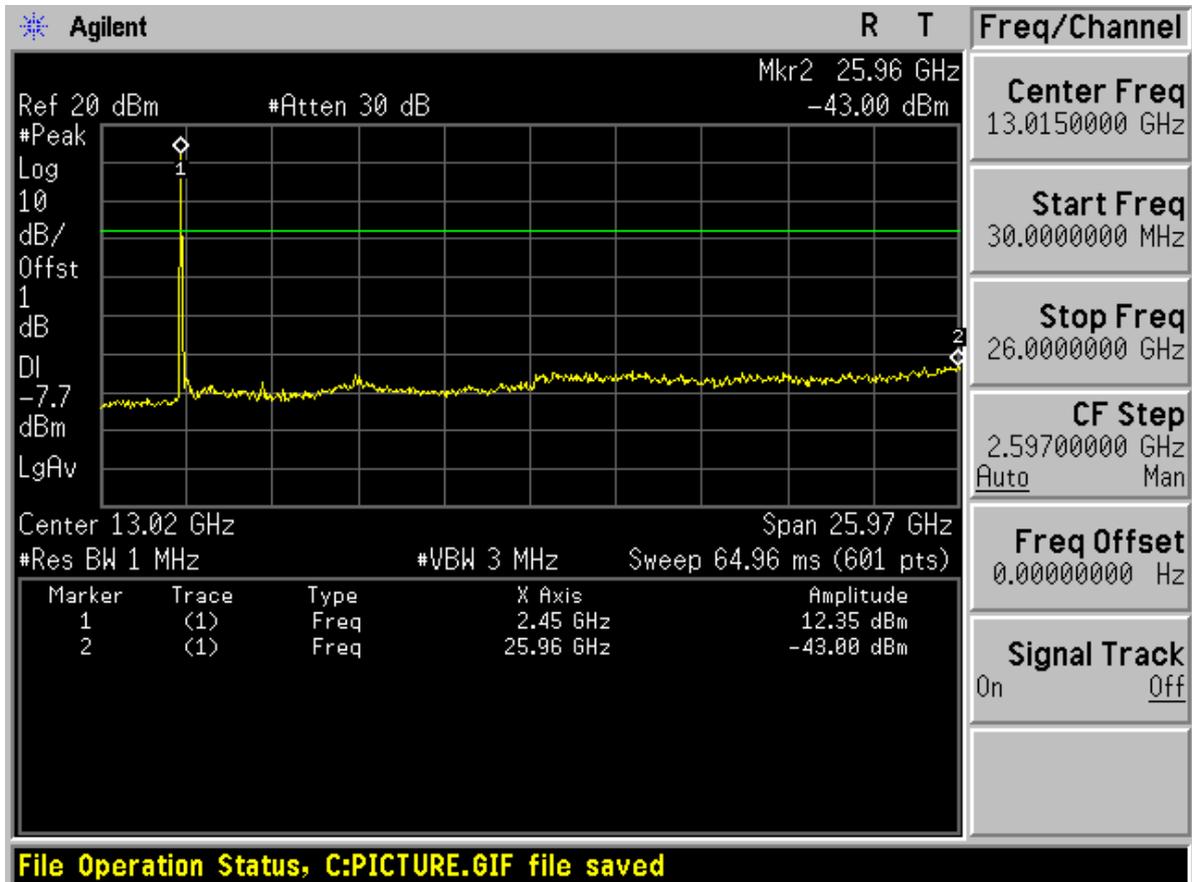




Channel 11

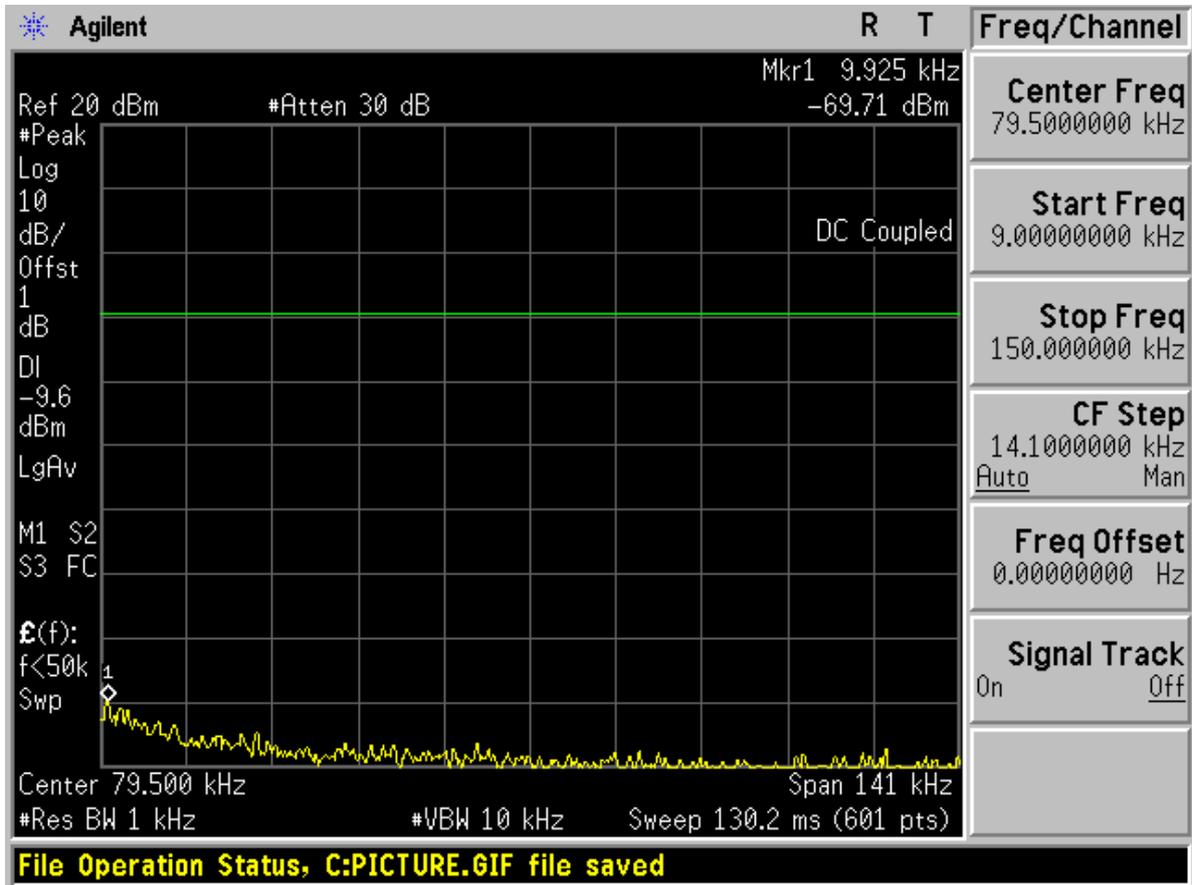


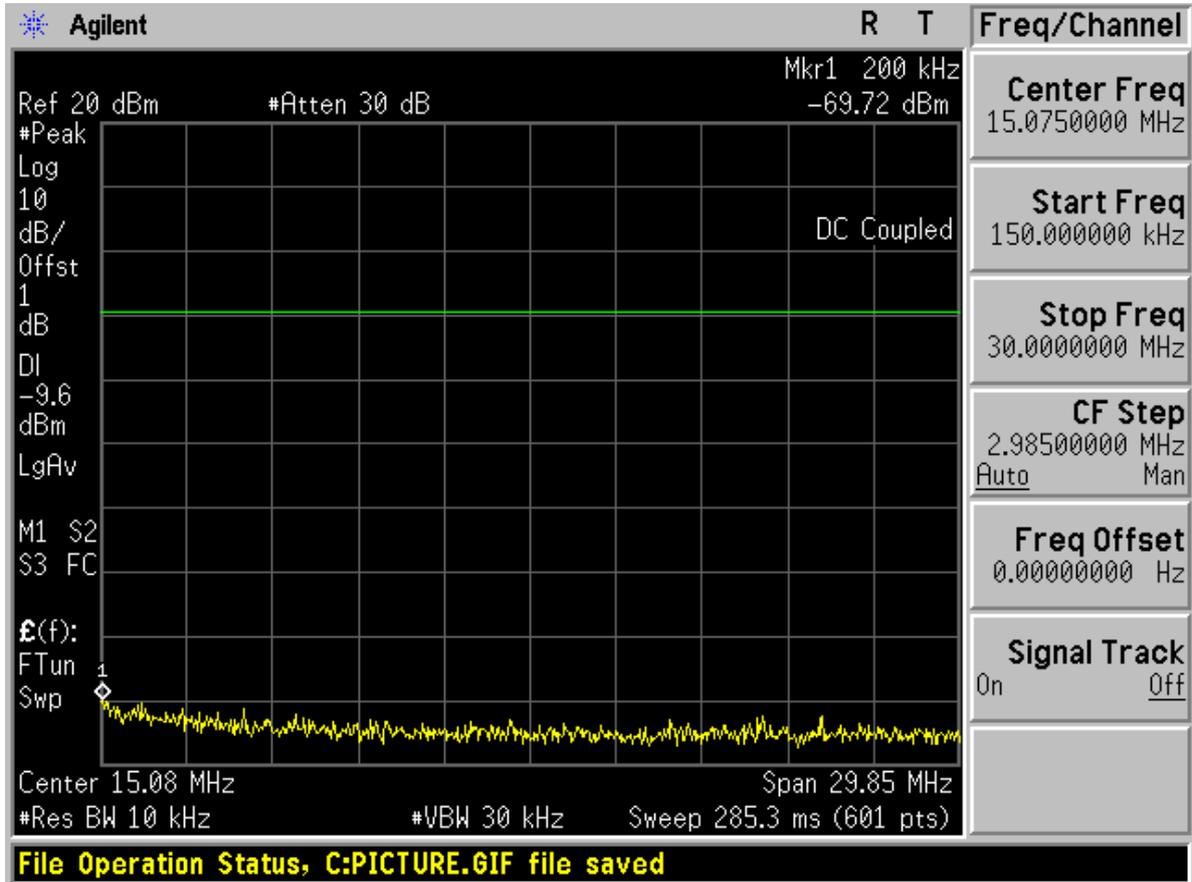


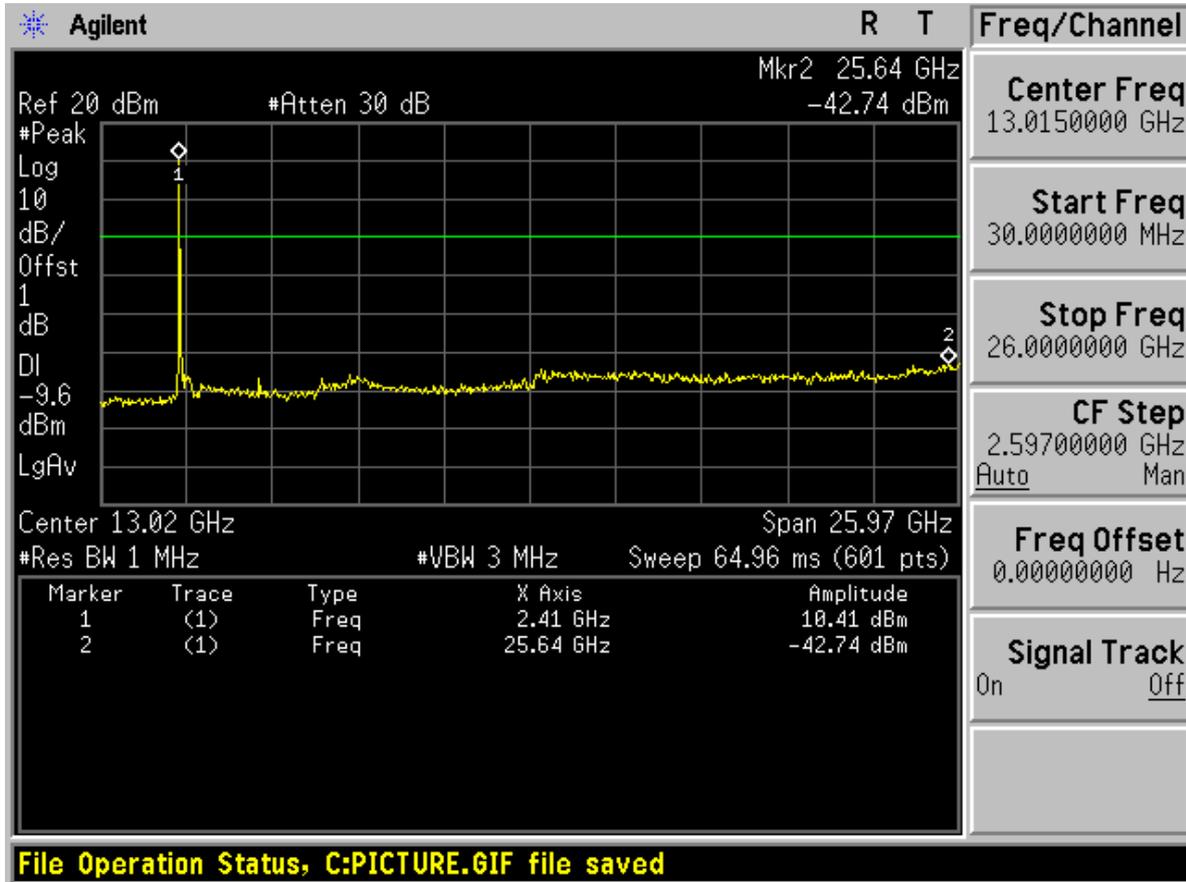




TM2 Channel 1

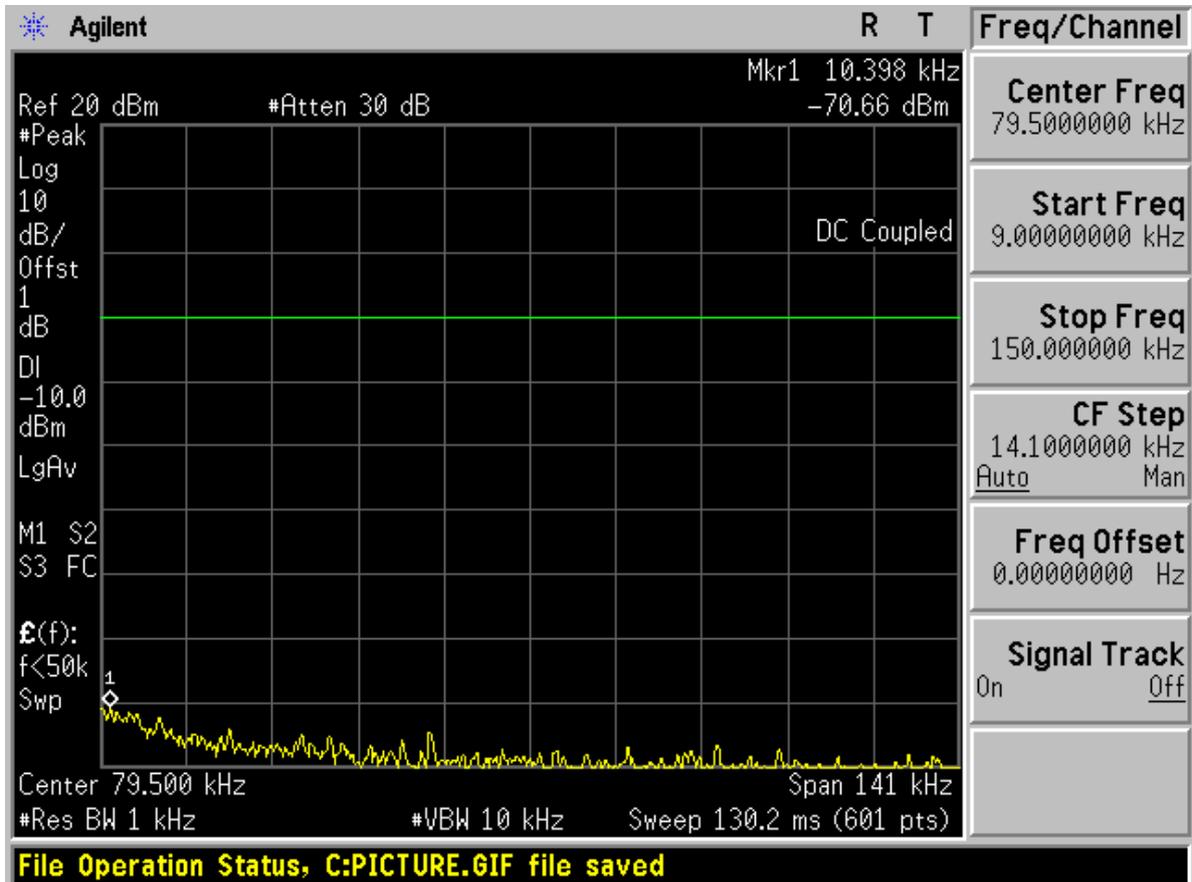


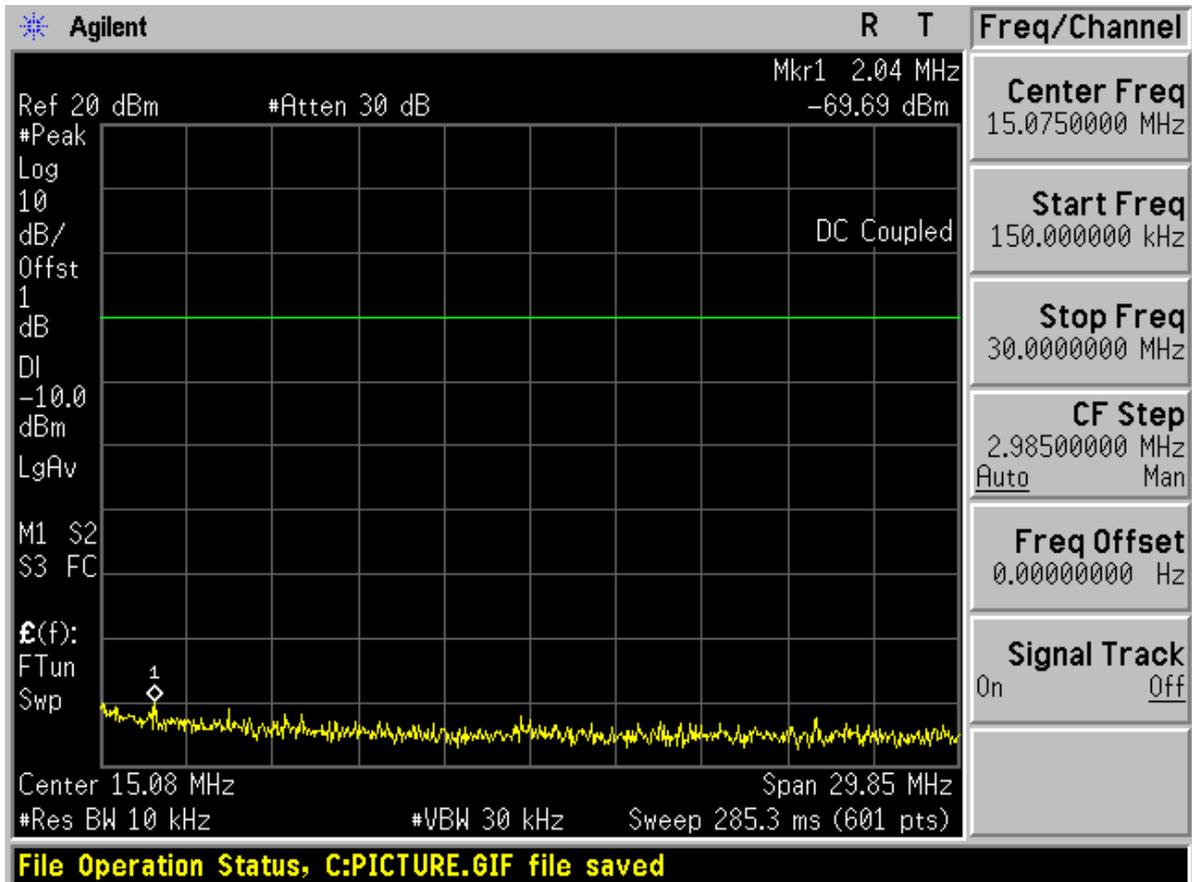


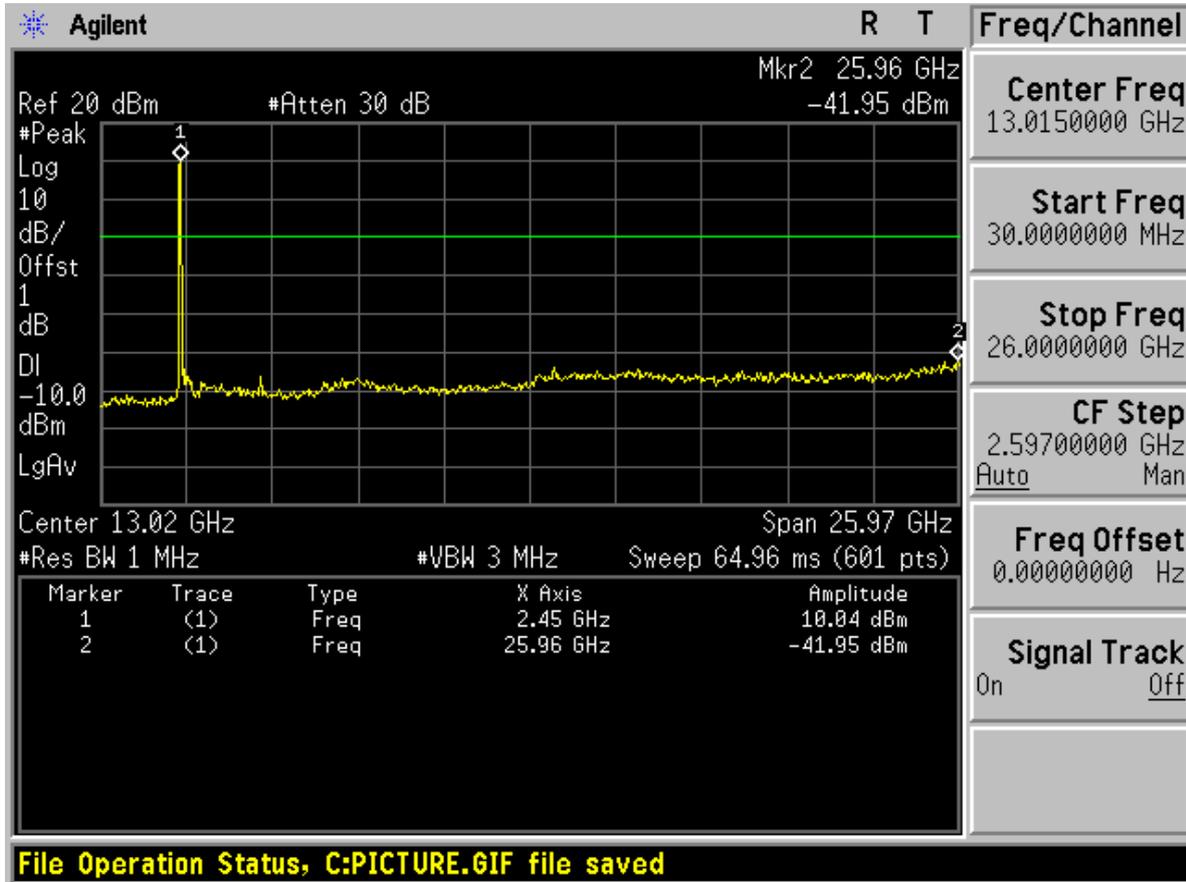




Channel 6

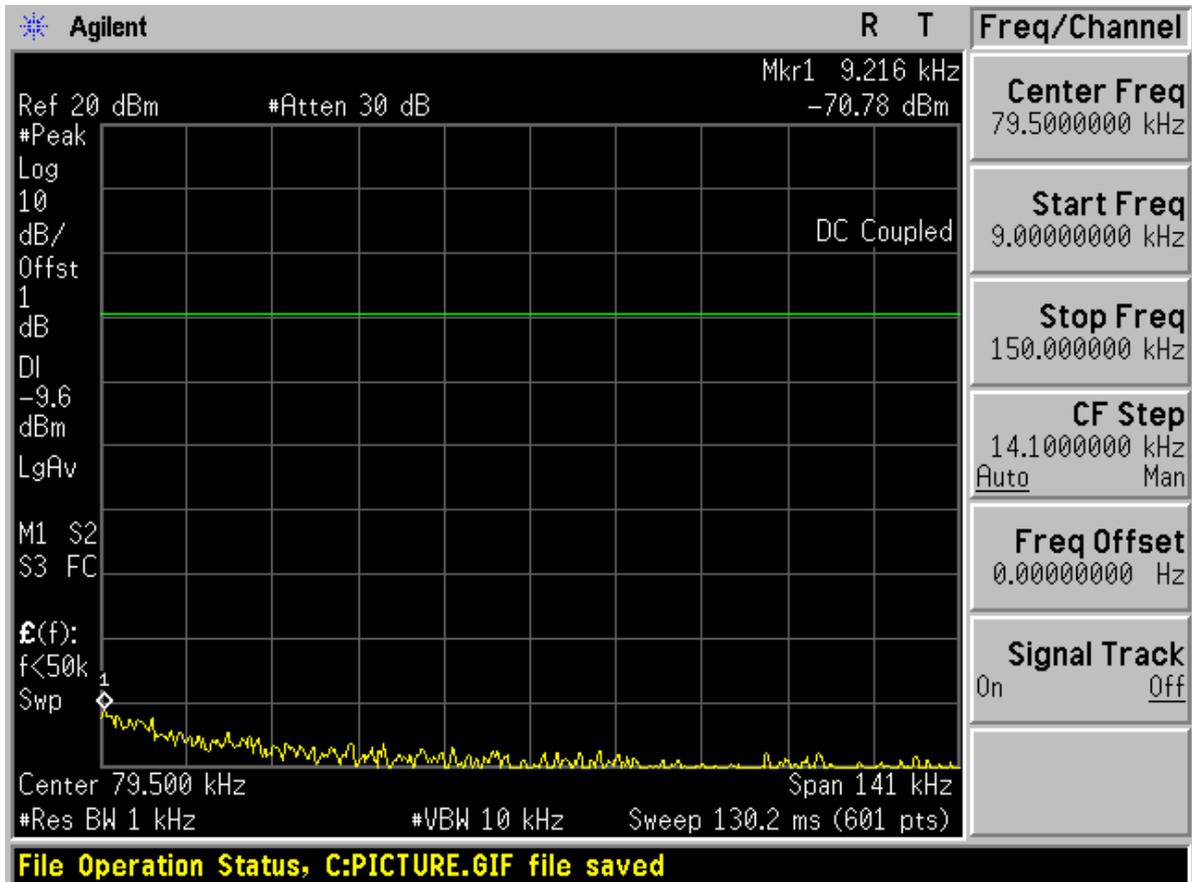


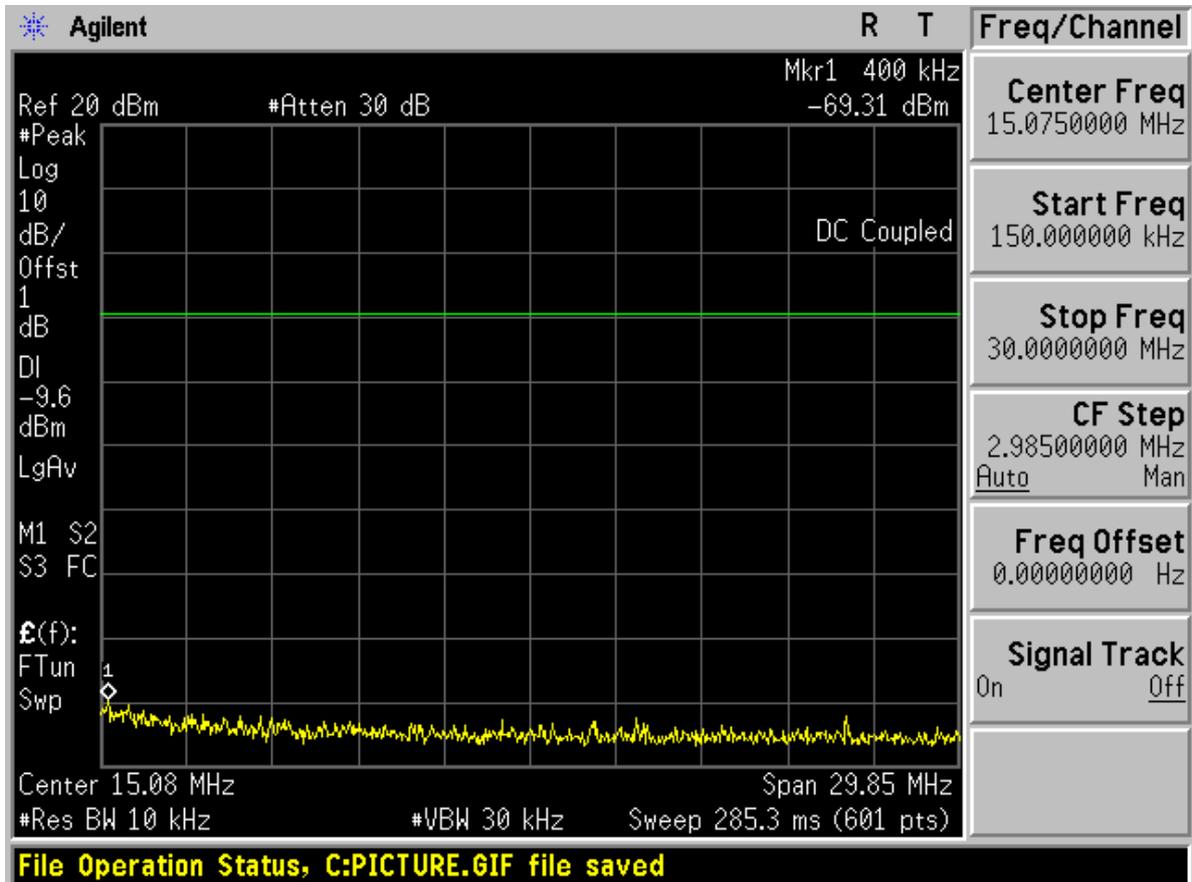


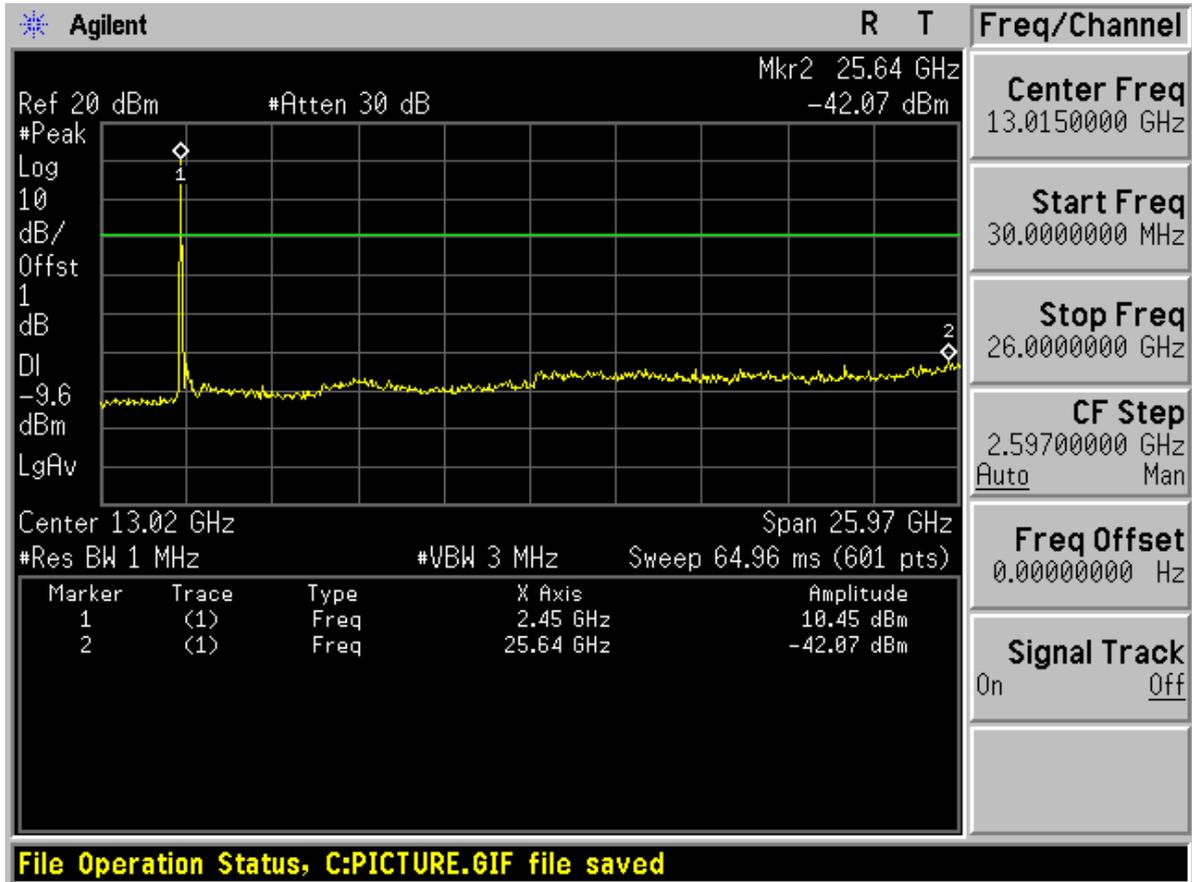




Channel 11

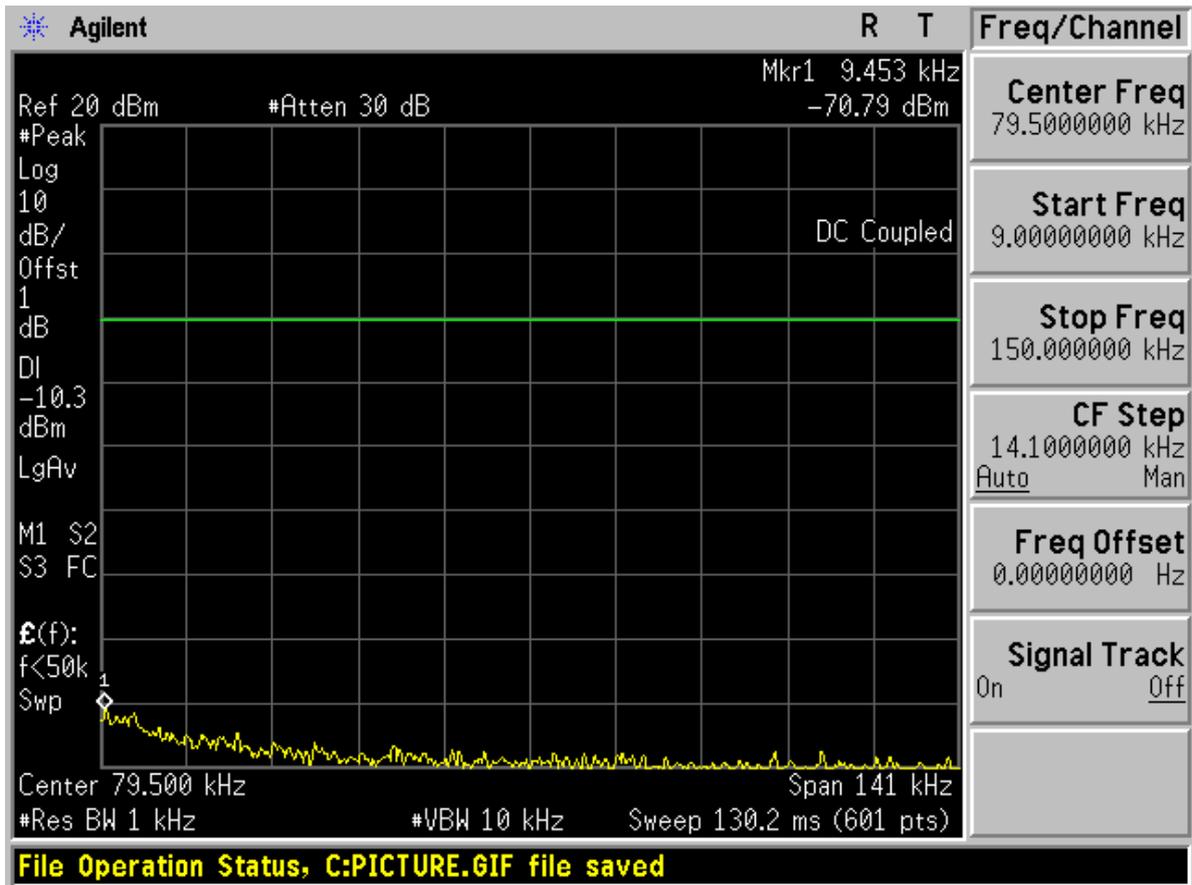


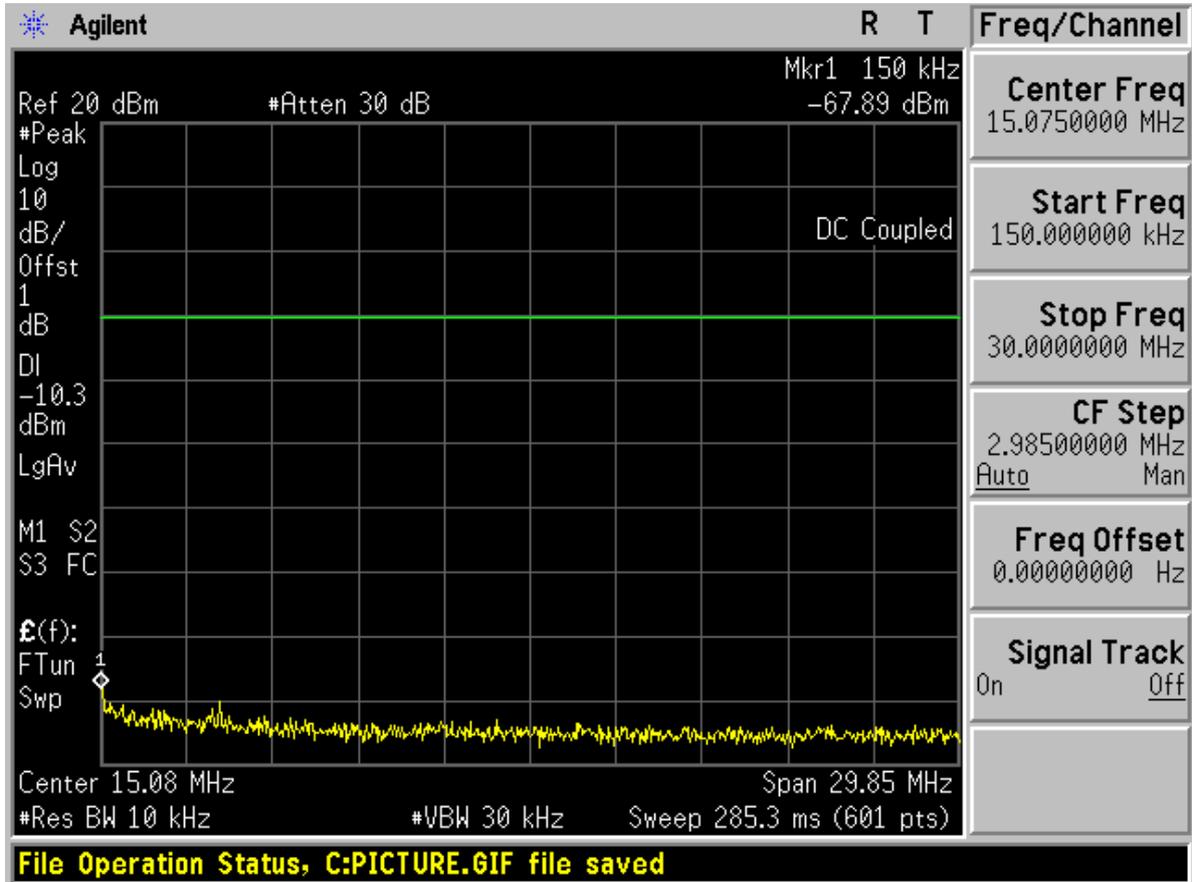


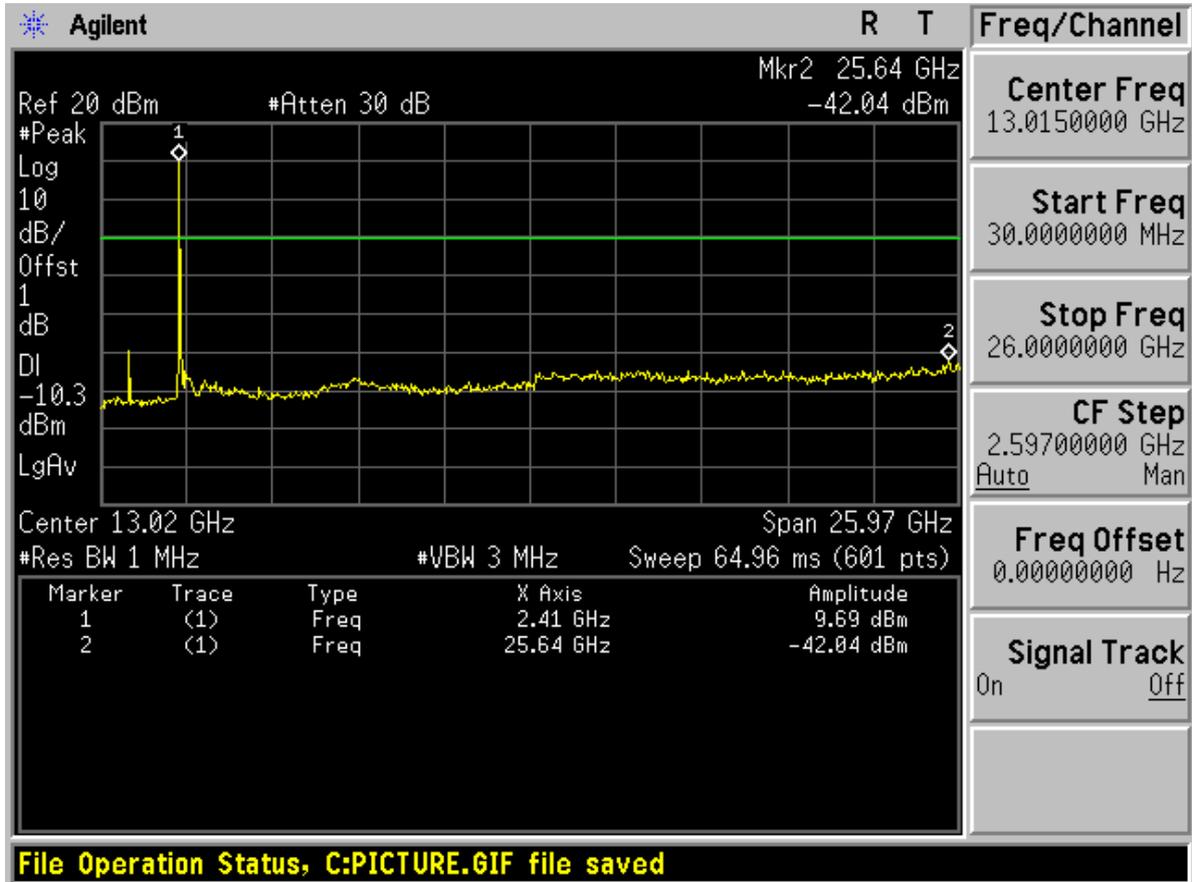




TM3 Channel 1

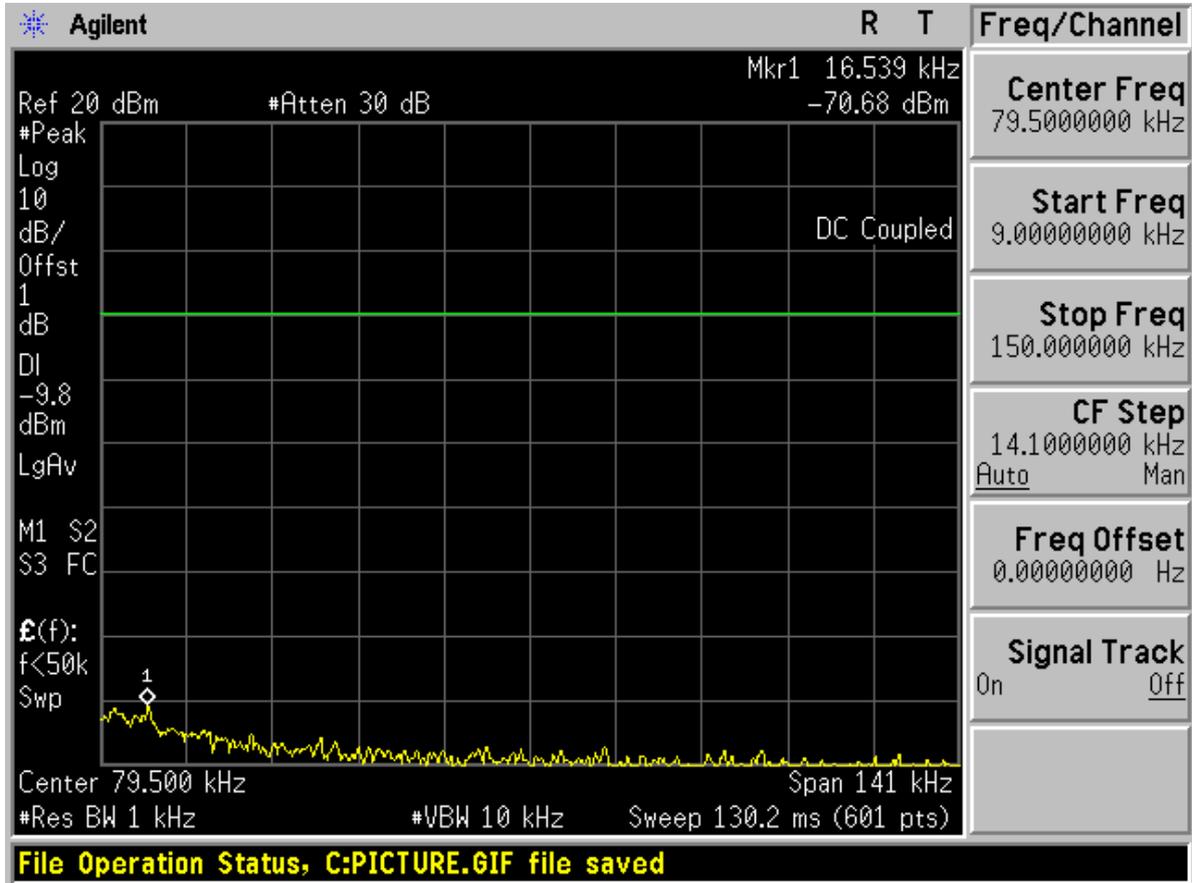


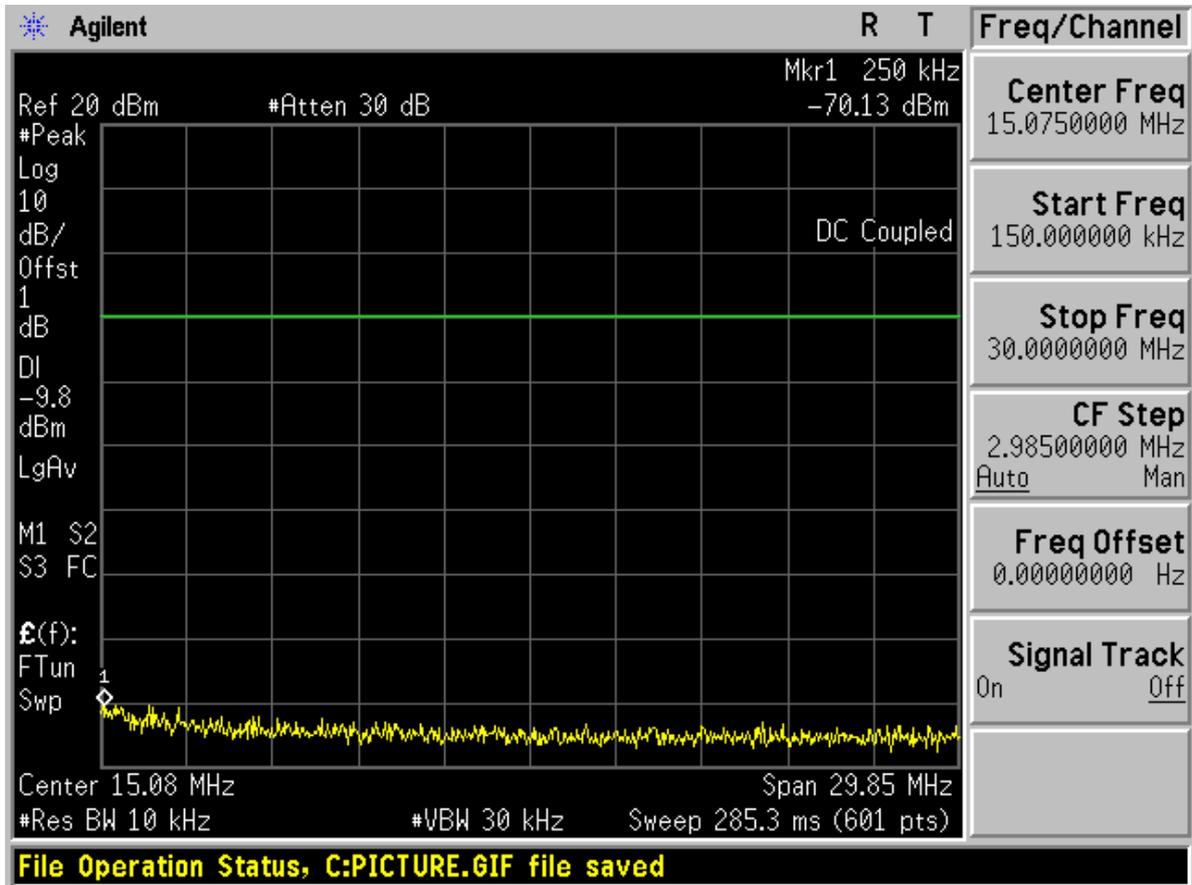


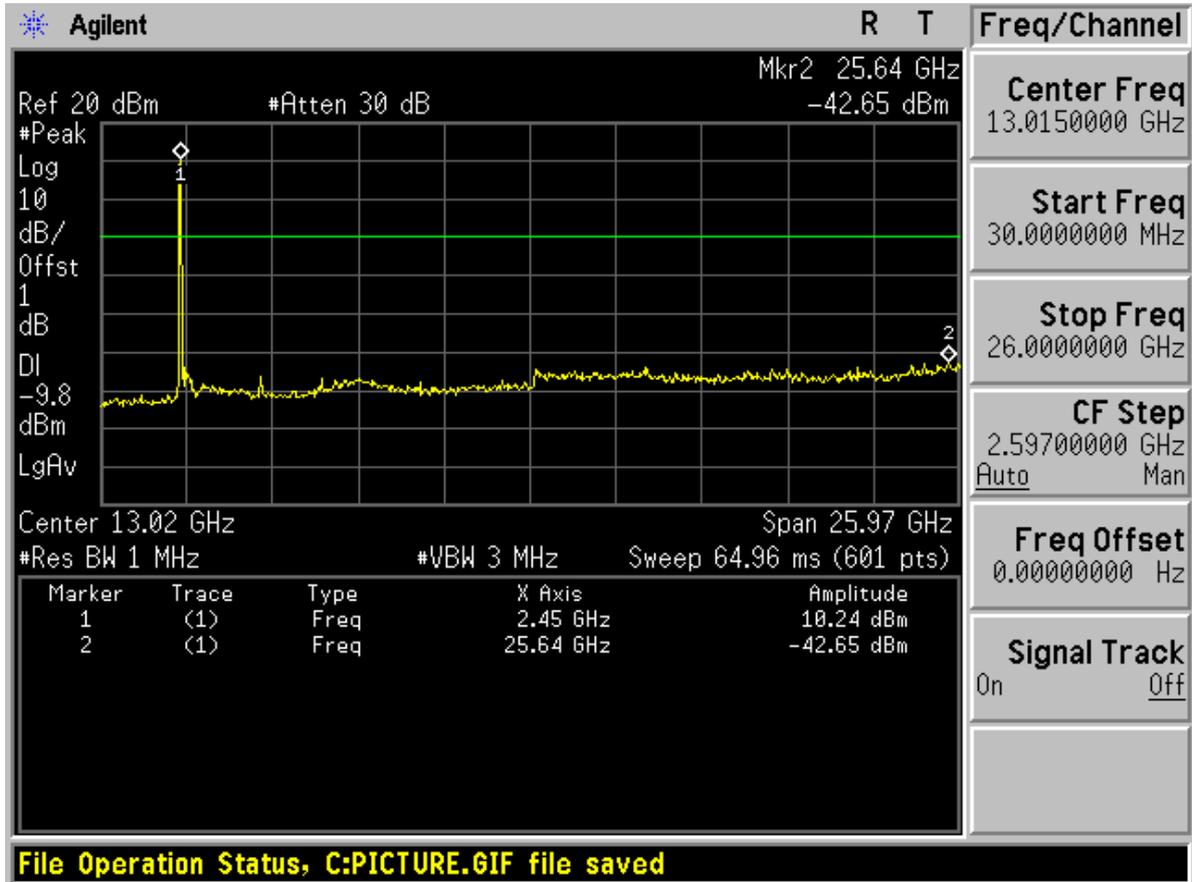




Channel 6

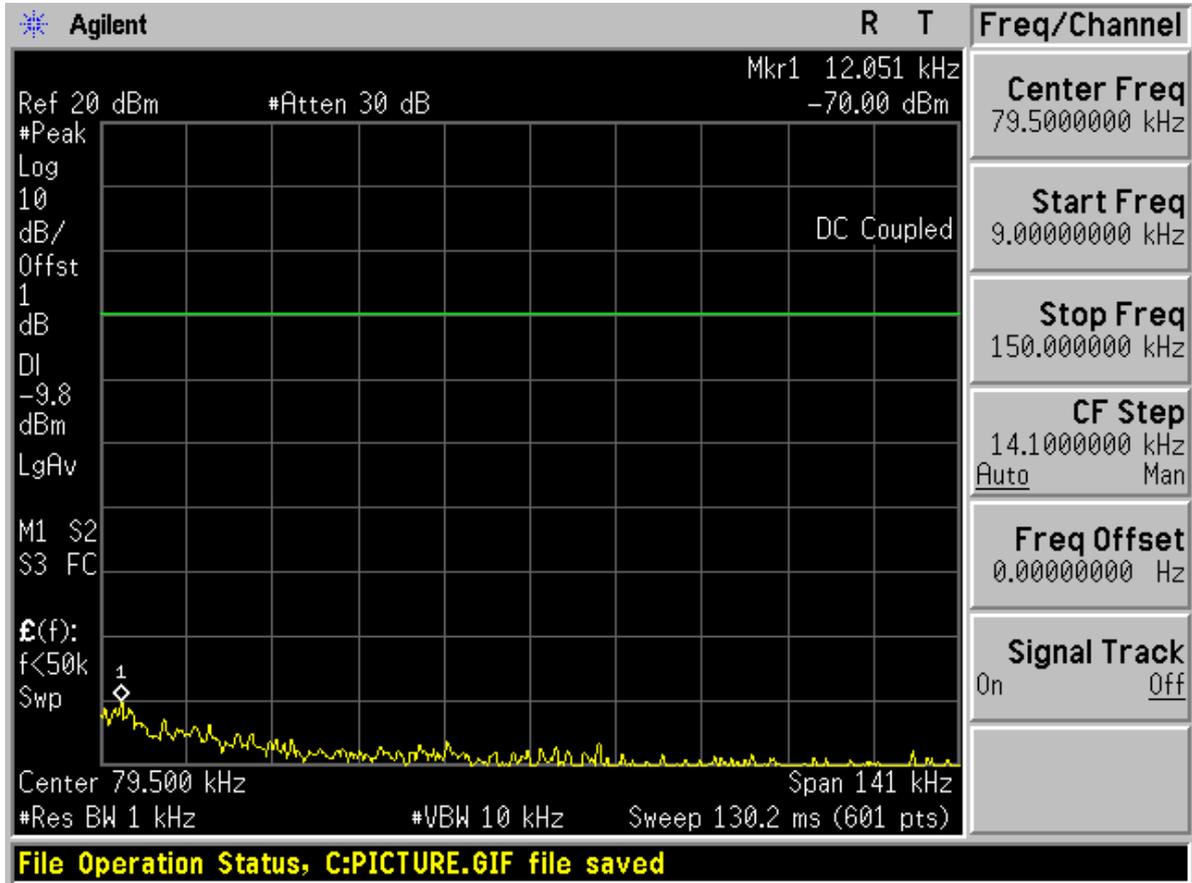


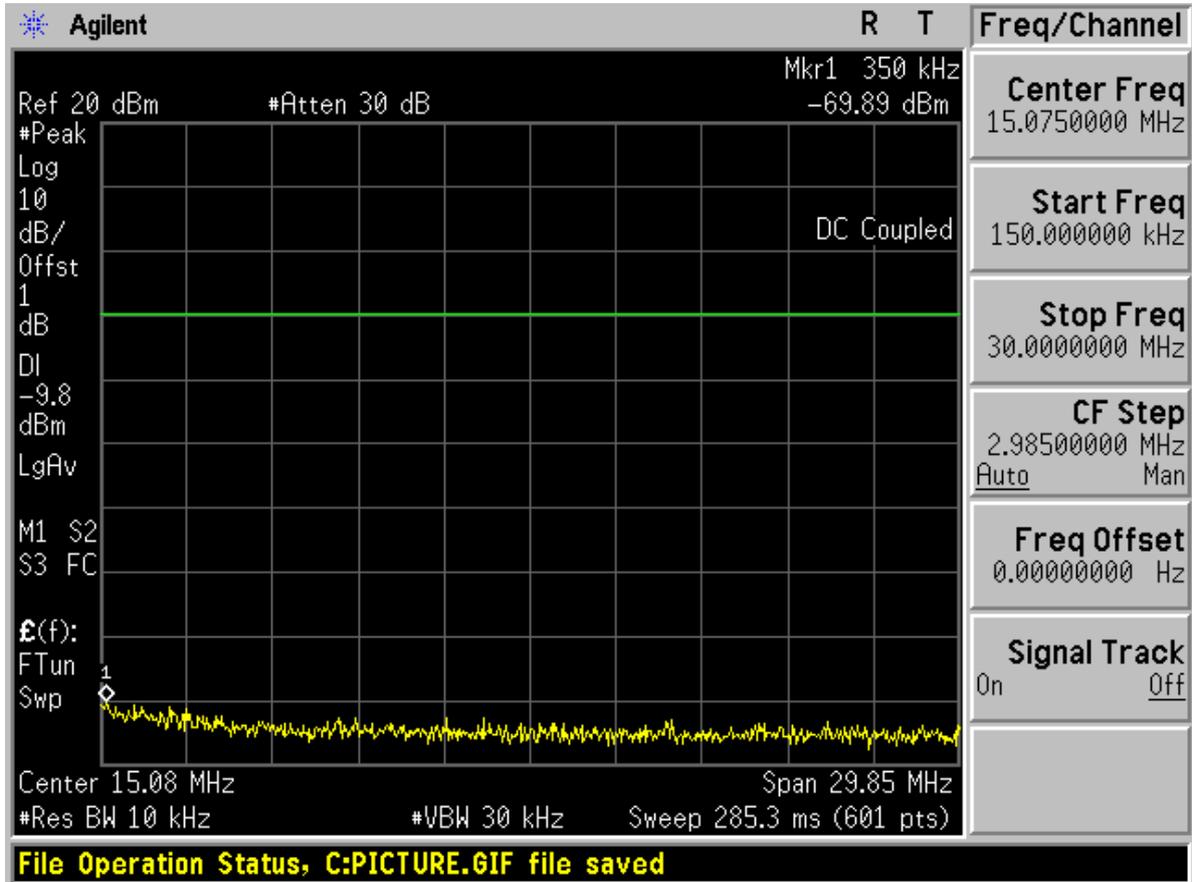


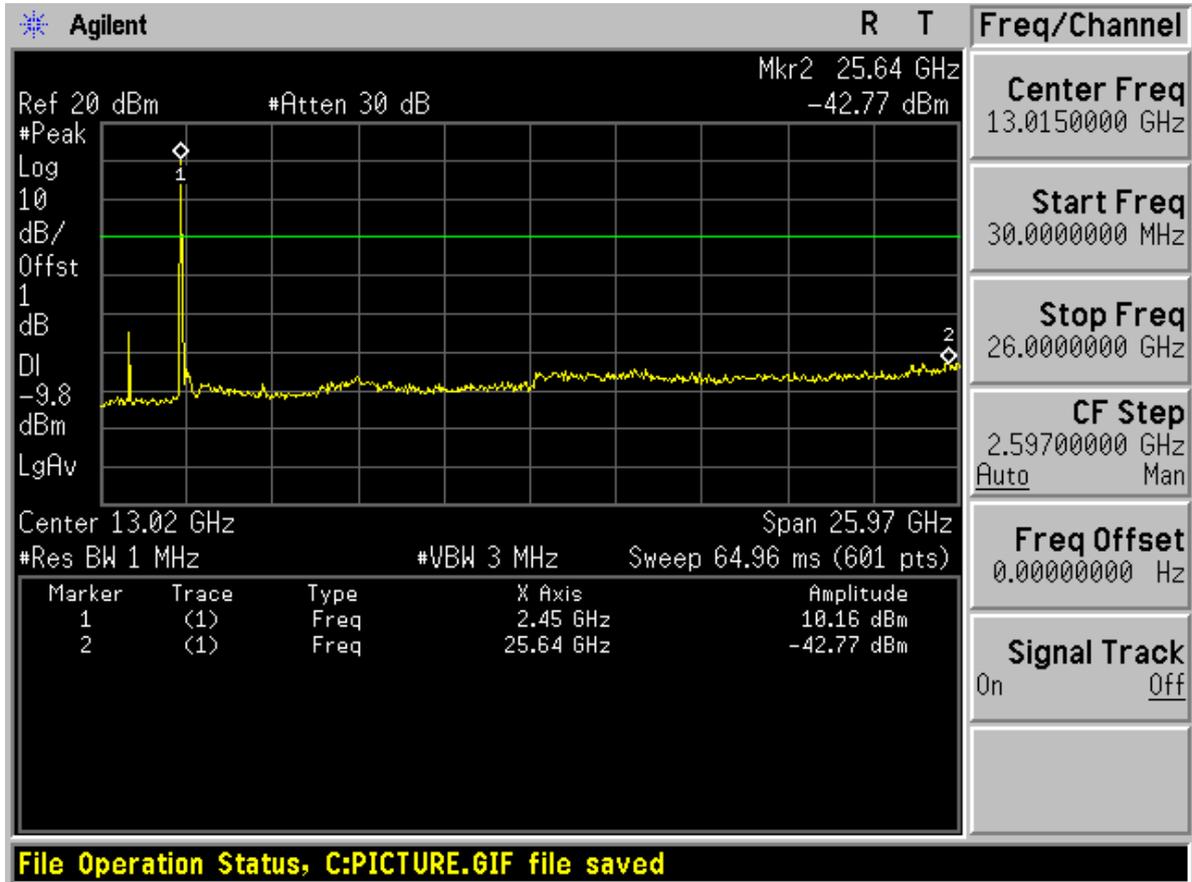




Channel 11







-----The END-----



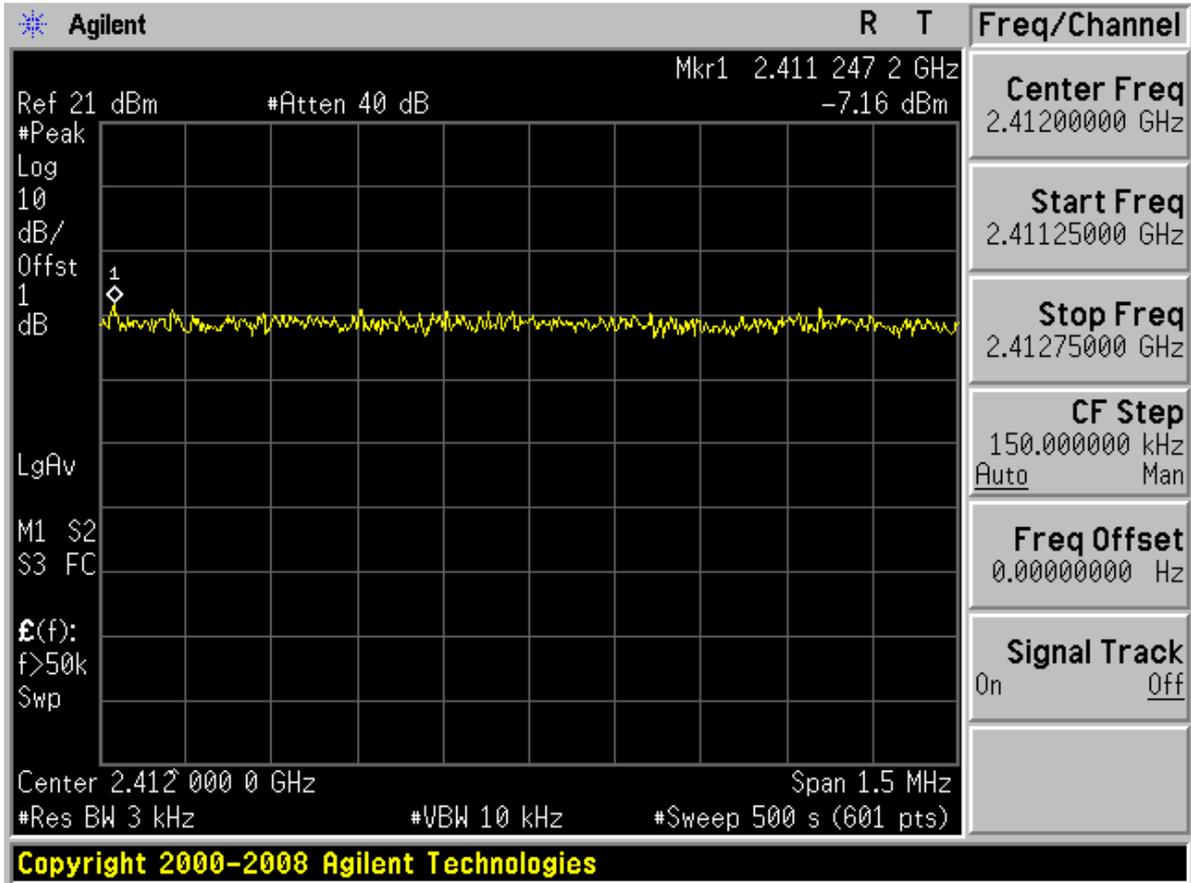
Appendix E

Power spectral density

According to FCC Part 15.247 (e)

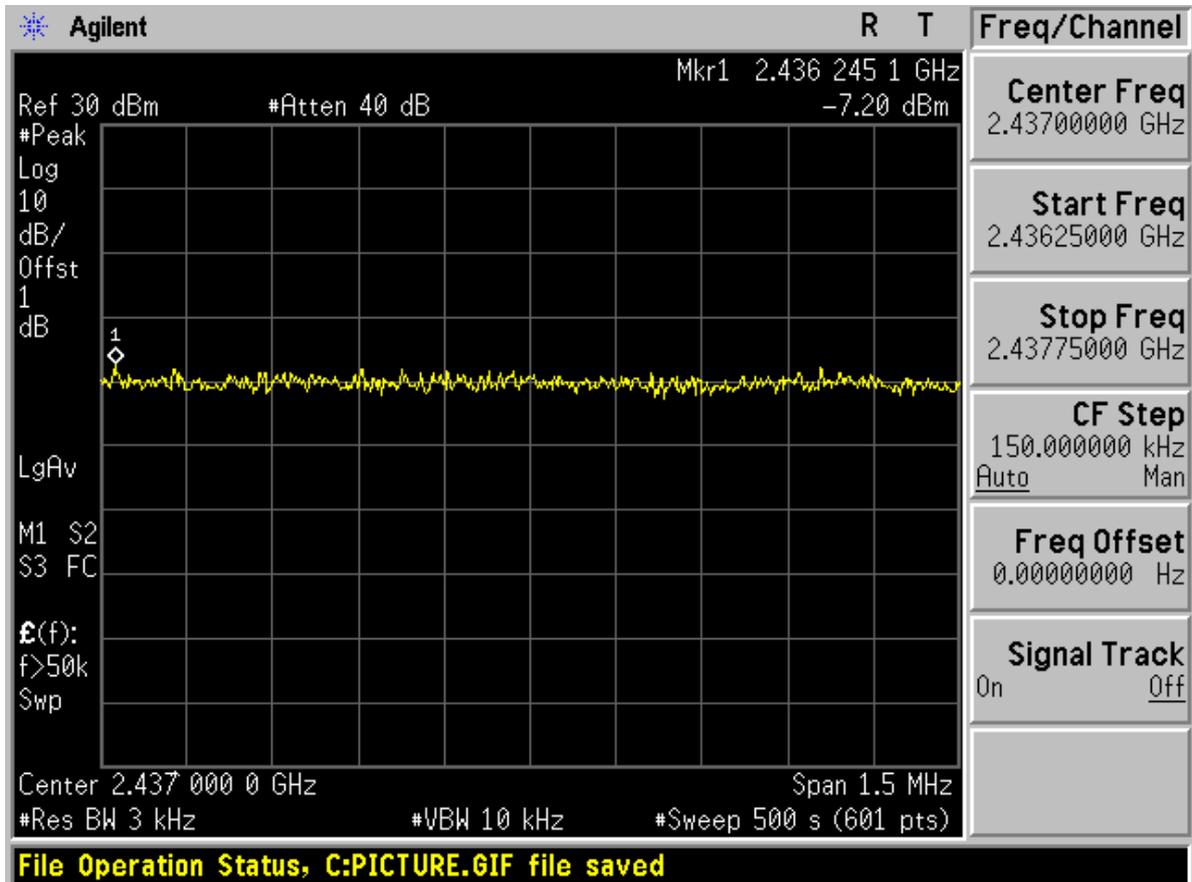


TM1 Channel 1



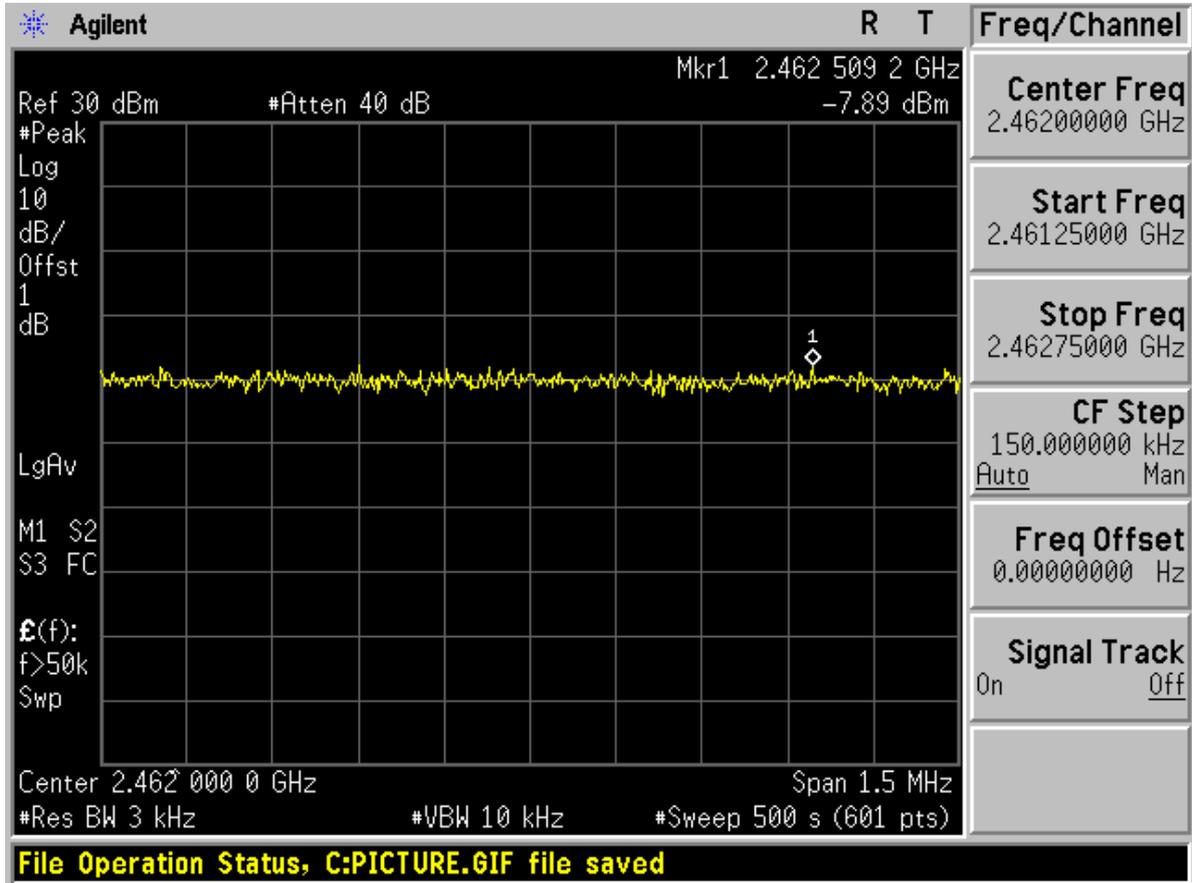


Channel 6



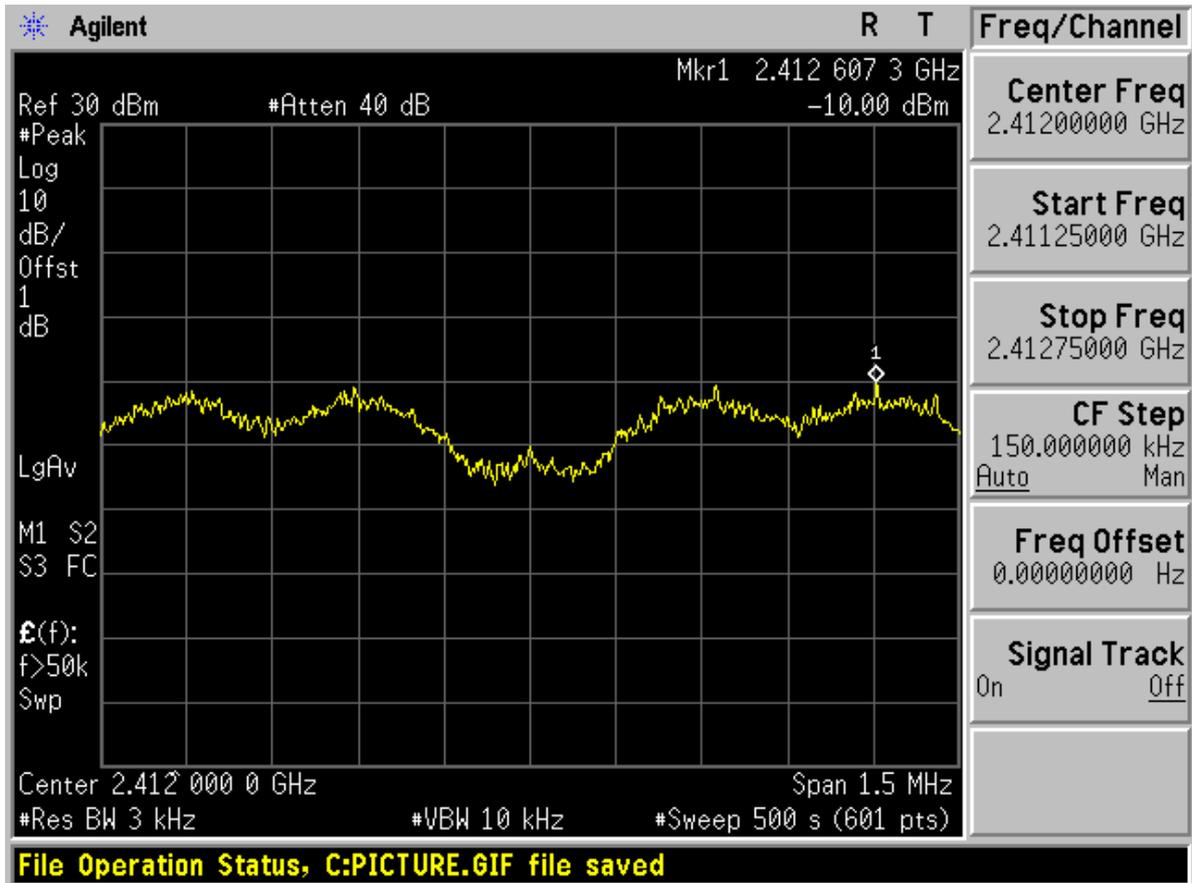


Channel 11



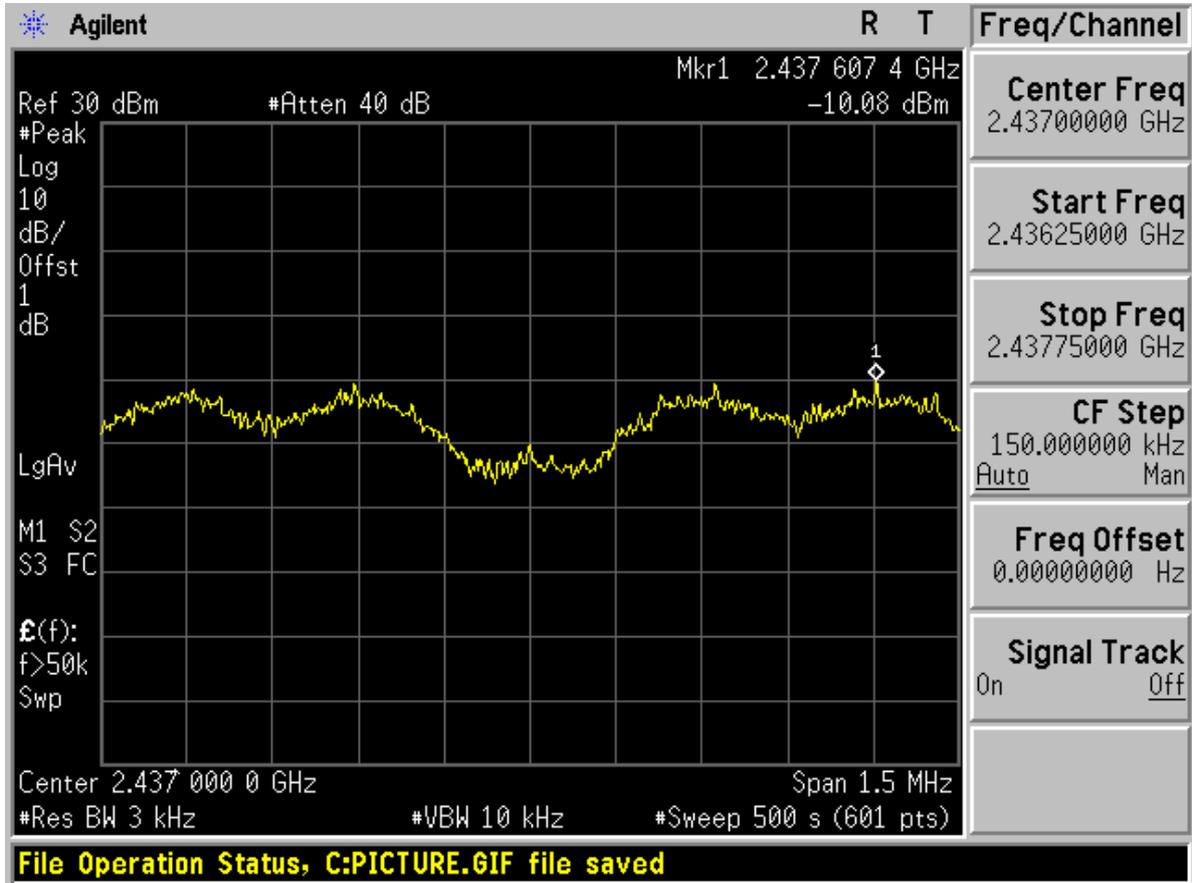


TM2 Channel 1



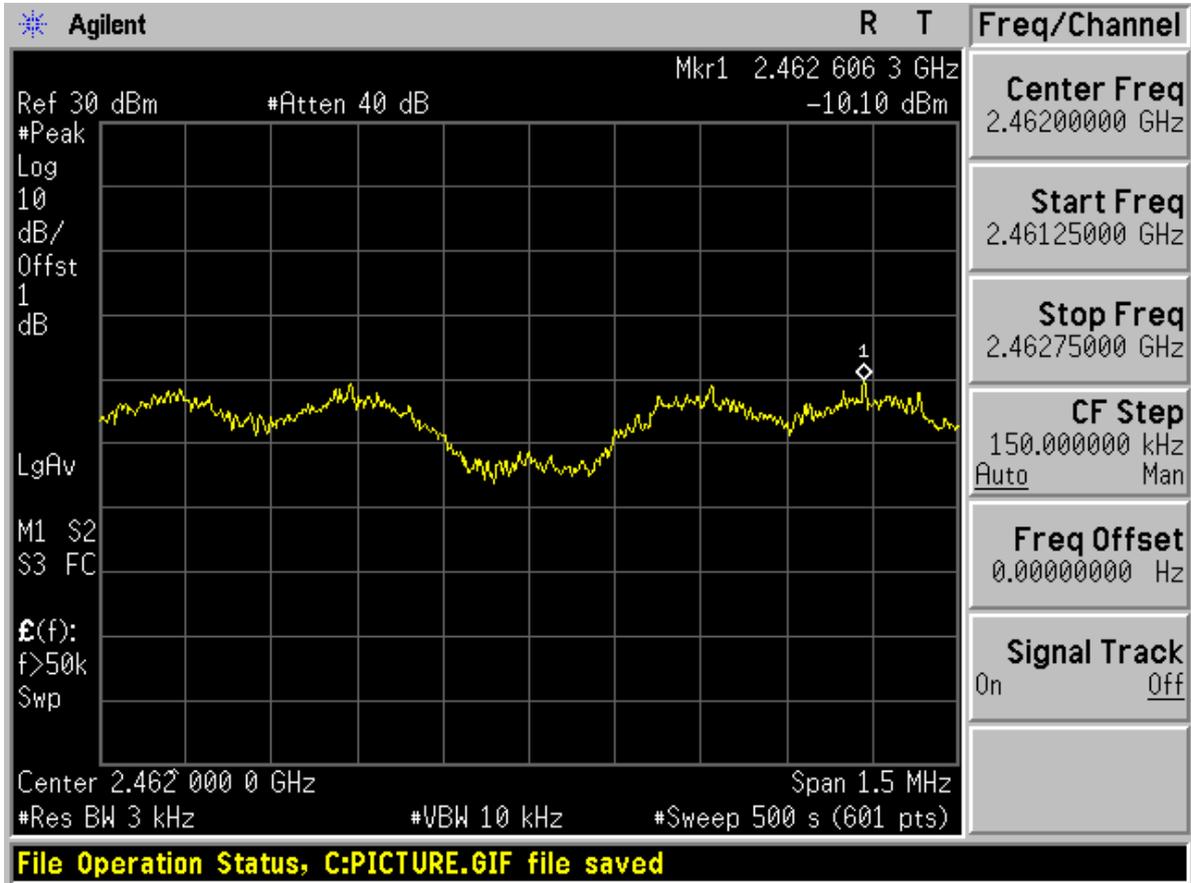


Channel 6



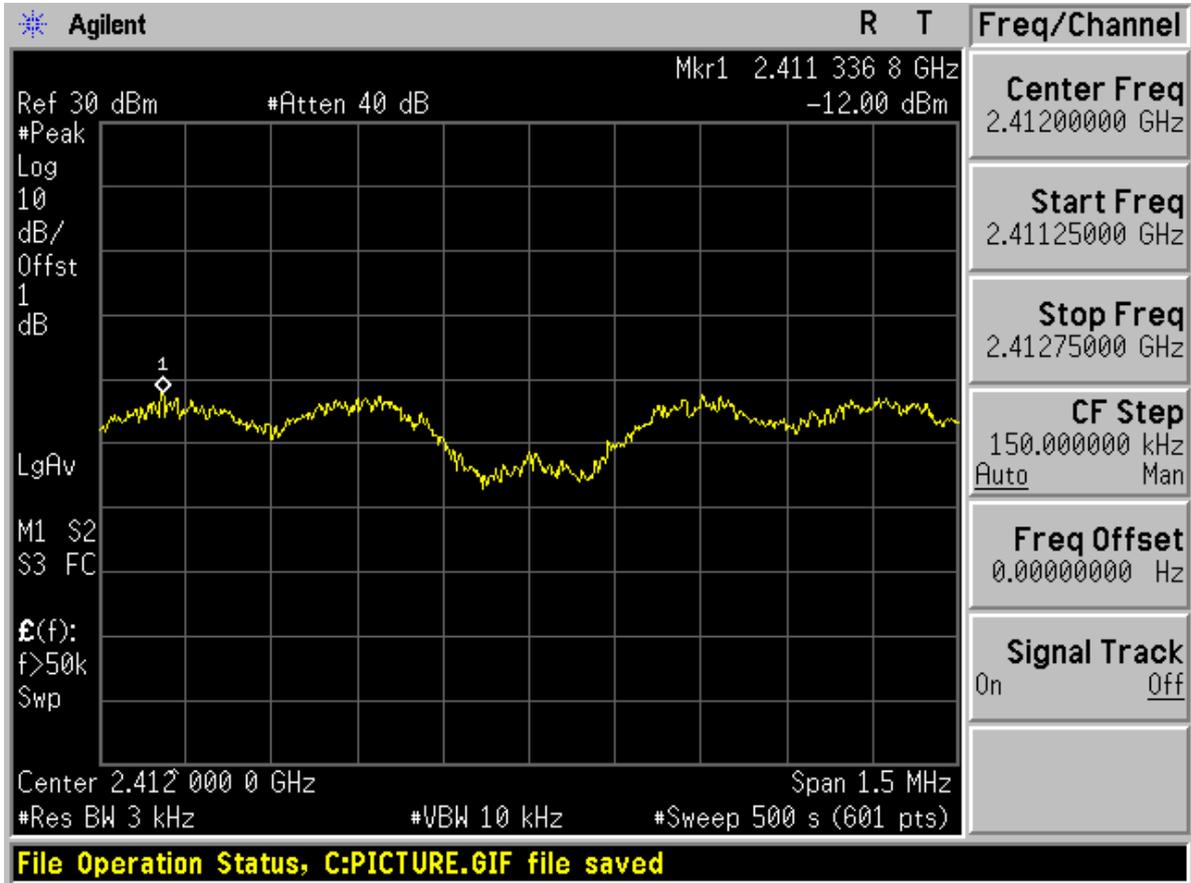


Channel 11



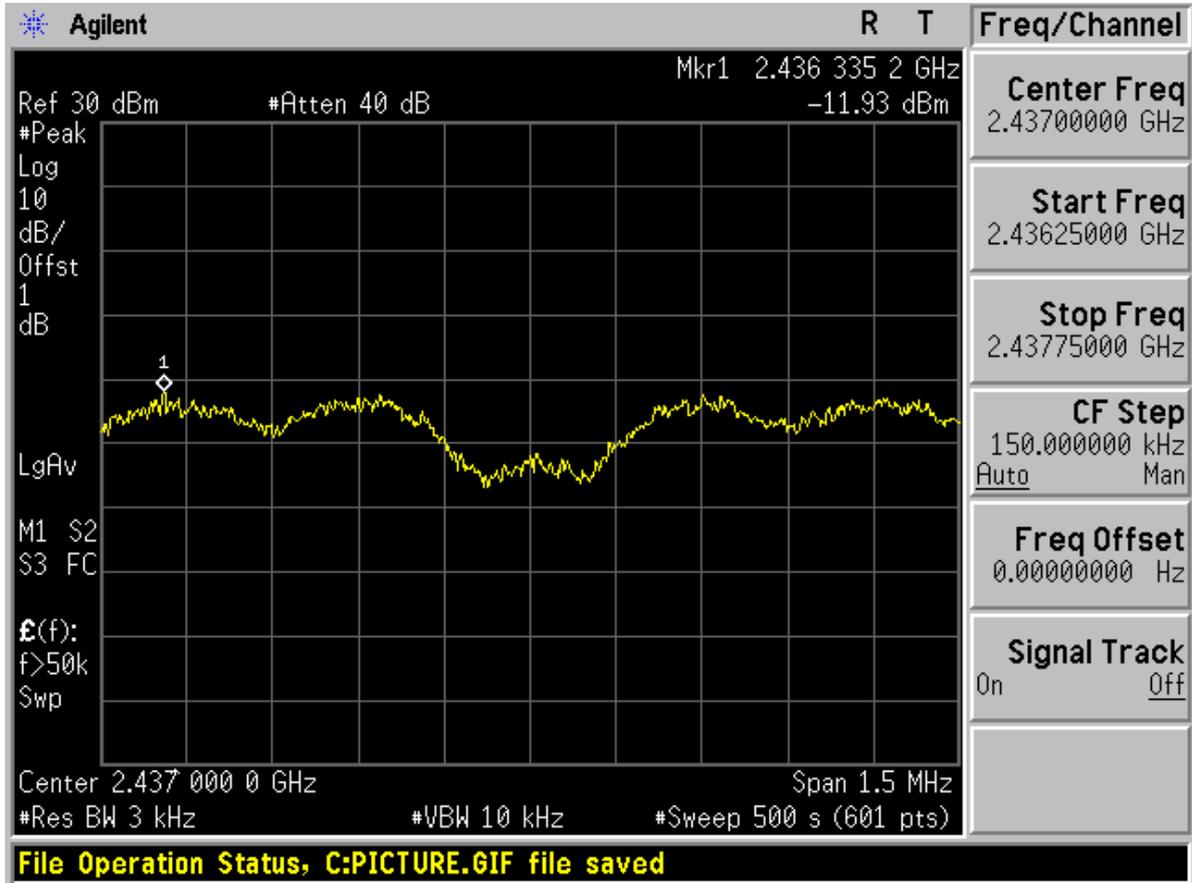


TM3 Channel 1



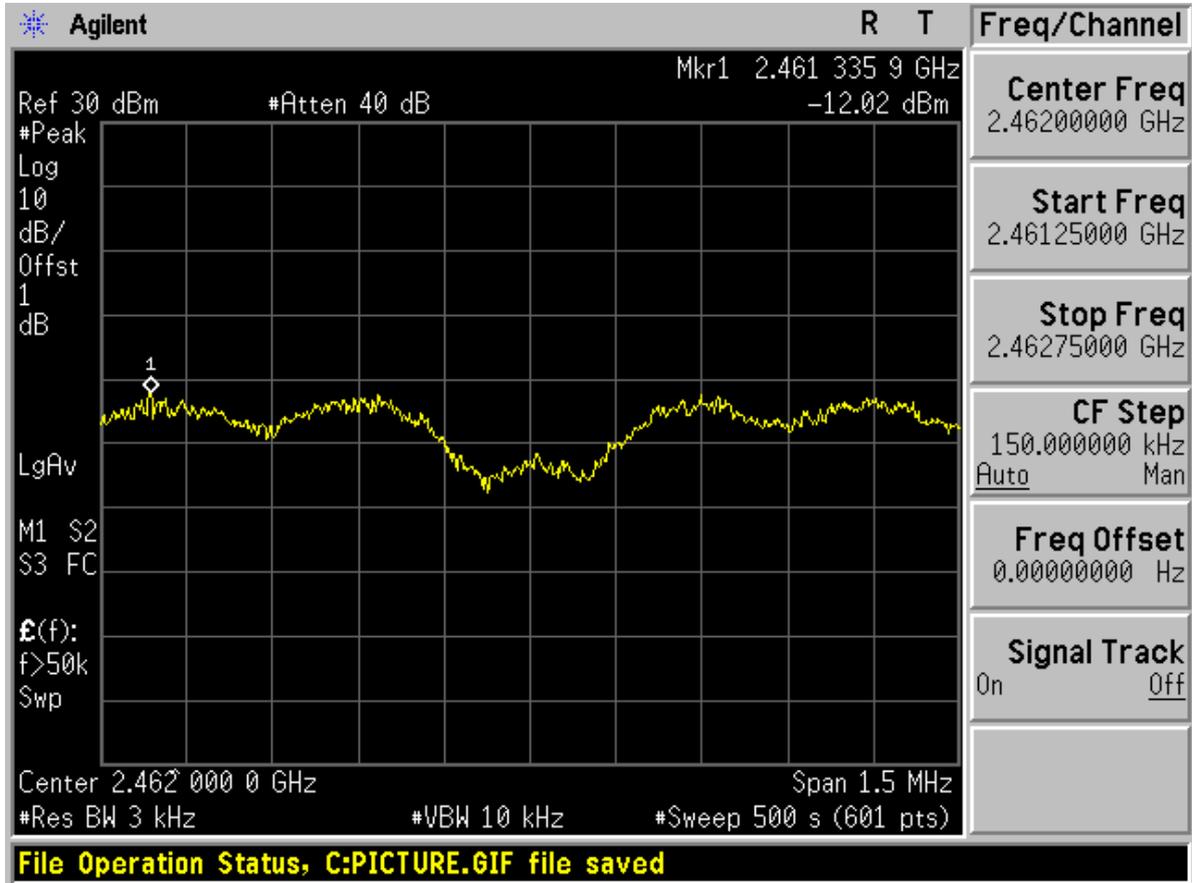


Channel 6





Channel 11



-----The END-----

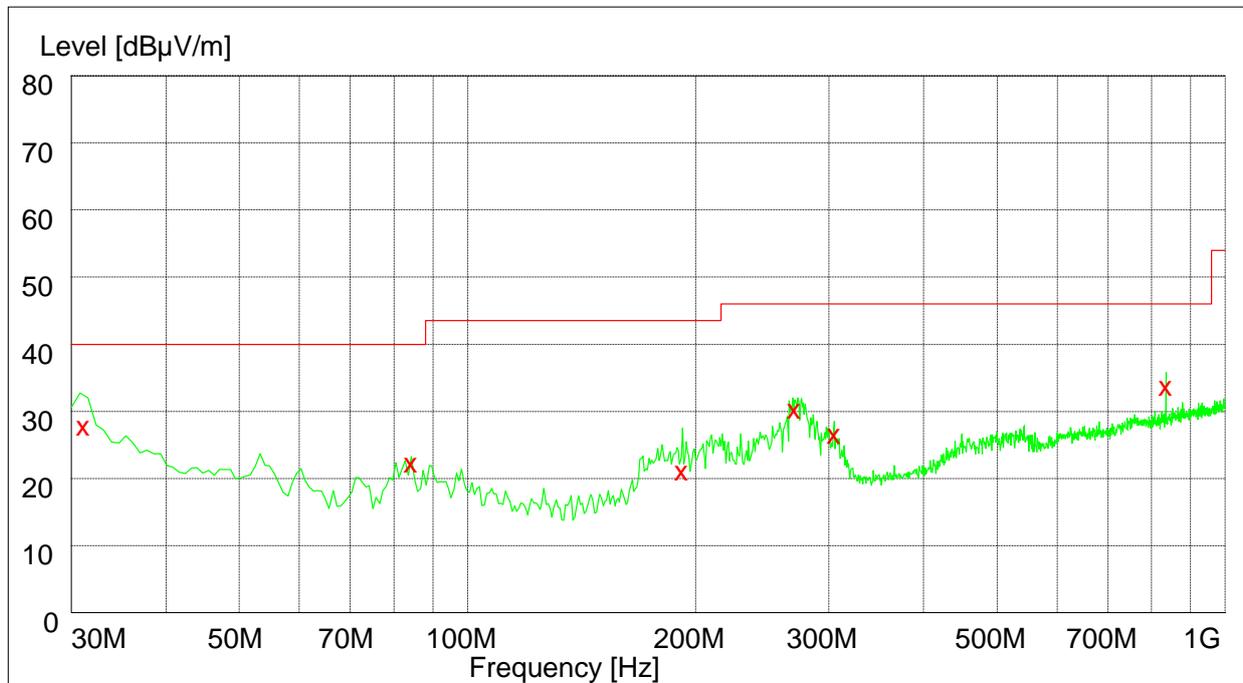


Appendix F

Radiated Spurious Emission & Spurious in Restricted Band (according to FCC Part 15.247(d) & 15.205 & 15.209)

Part 1: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
31.140000	28.50	14.6	40.0	11.5	100.0	222.00	VERTICAL
84.240000	22.80	10.9	40.0	17.2	204.0	206.00	HORIZONTAL
191.820000	21.60	12.1	43.5	21.9	100.0	172.00	VERTICAL
270.480000	31.70	14.3	46.0	14.3	100.0	16.00	HORIZONTAL
305.160000	28.10	15.2	46.0	17.9	100.0	27.00	HORIZONTAL
836.580000	35.20	24.0	46.0	10.8	110.0	216.00	VERTICAL



Part 2: Testing Range of “18 GHz to 26.5 GHz”

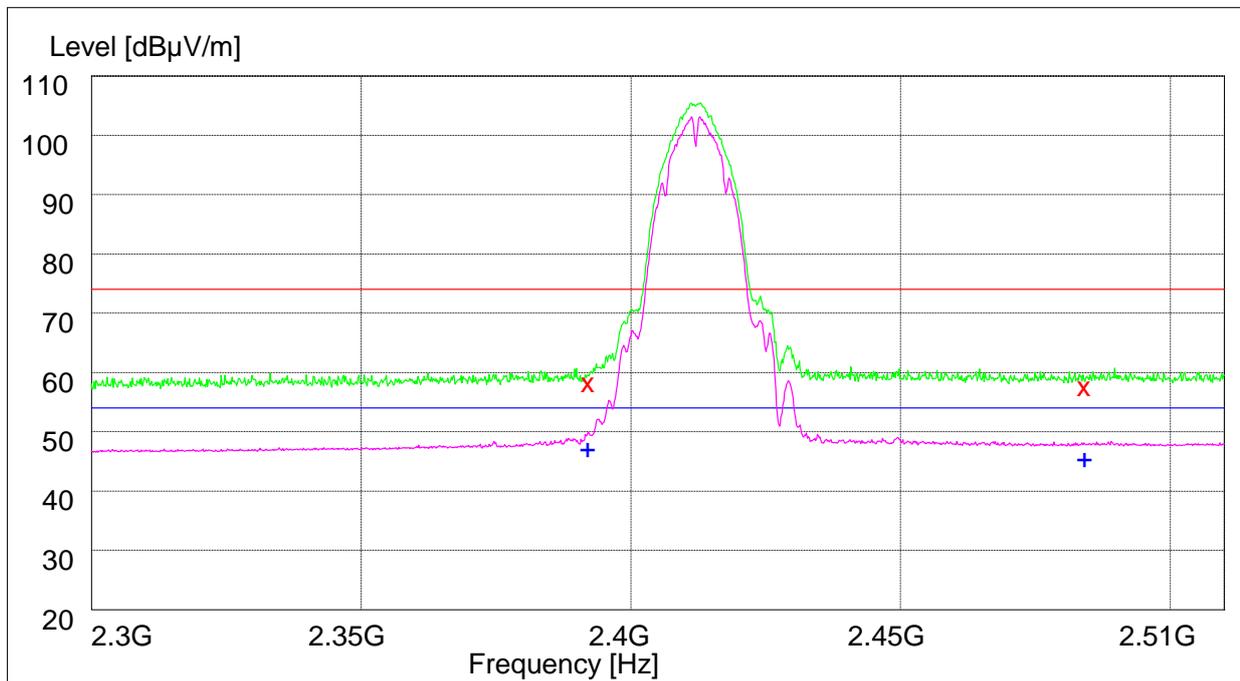
Note: No peak found in pre- test.

Part 3: Testing Range of “2.3GHz to 2.5GHz”

- Note 1: The testing range of “2.3 GHz to 2.5 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.
- Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).
- Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

1 Test Mode: 11b

1.1 Channel 01



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

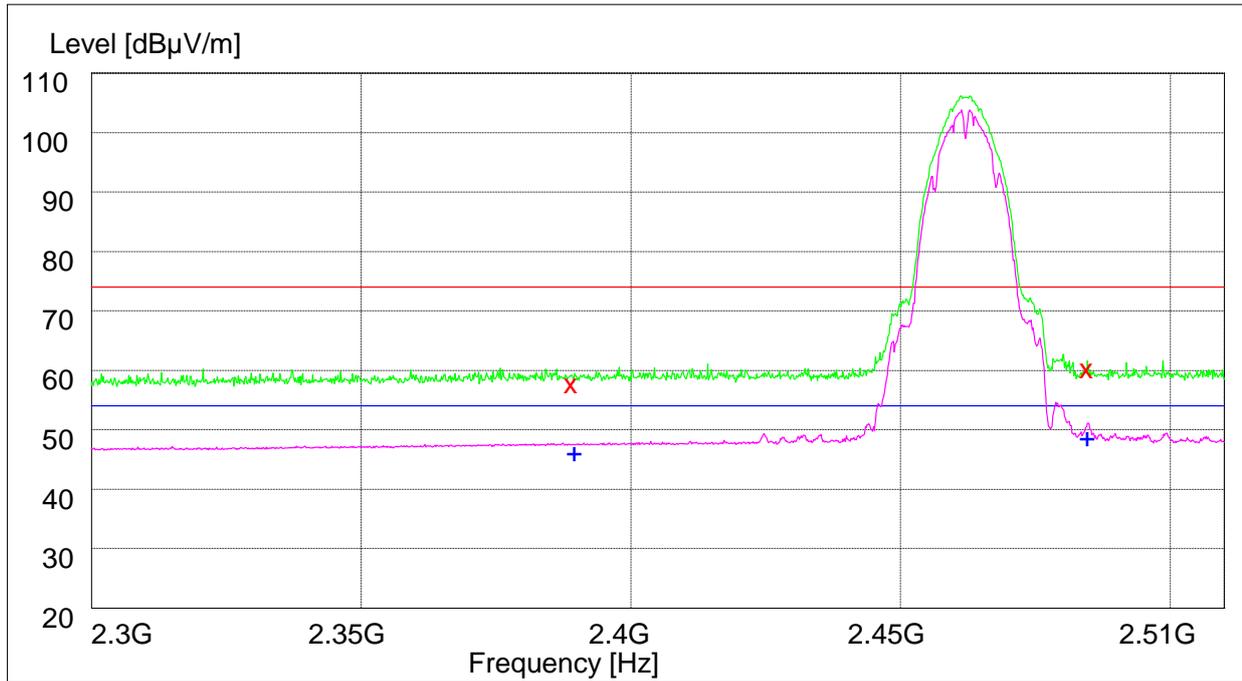
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	60.00	33.5	74.0	14.0	100.0	212.00	HORIZONTAL
2483.500000	59.30	33.7	74.0	14.7	100.0	286.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.80	33.5	54.0	5.2	100.0	251.00	HORIZONTAL
2483.500000	47.10	33.7	54.0	6.9	103.0	139.00	HORIZONTAL

1.2 Channel 11



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

MEASUREMENT RESULT: PK Detector

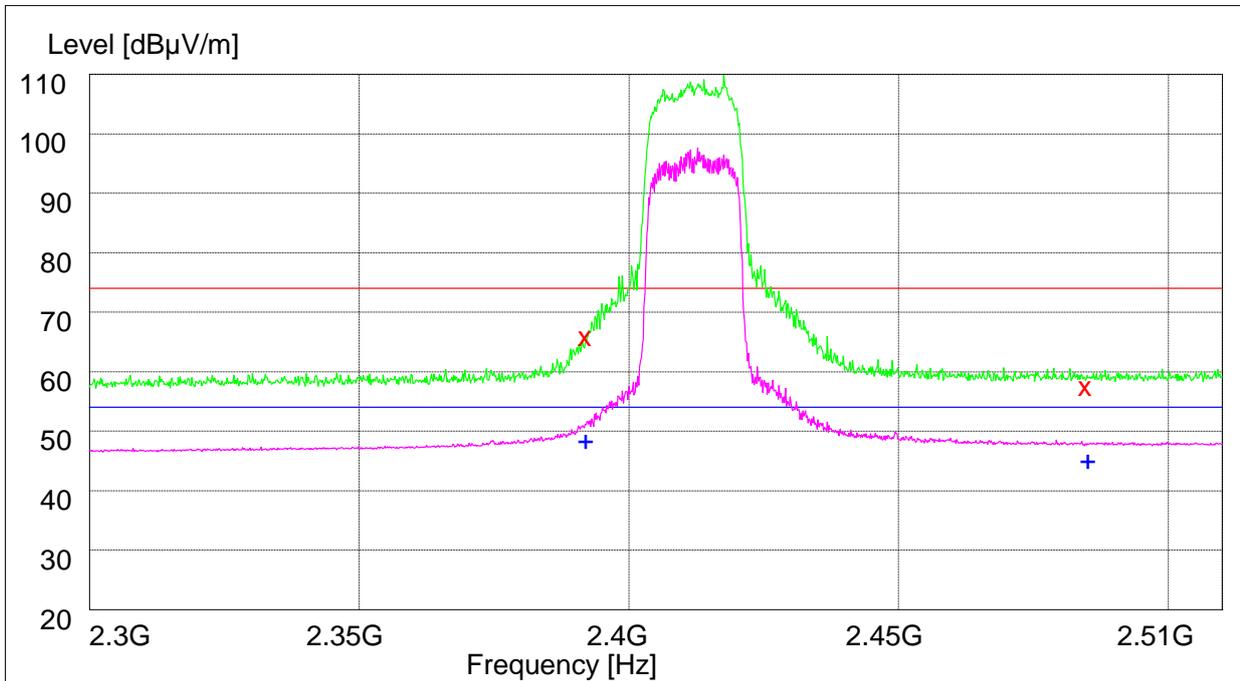
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.40	33.5	74.0	14.6	160.0	330.00	VERTICAL
2483.500000	61.90	33.7	74.0	12.1	122.0	146.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	33.5	54.0	7.6	198.0	209.00	VERTICAL
2483.500000	49.70	33.7	54.0	4.3	100.0	144.00	HORIZONTAL

2 Test Mode: 11g

2.1 Channel 01



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

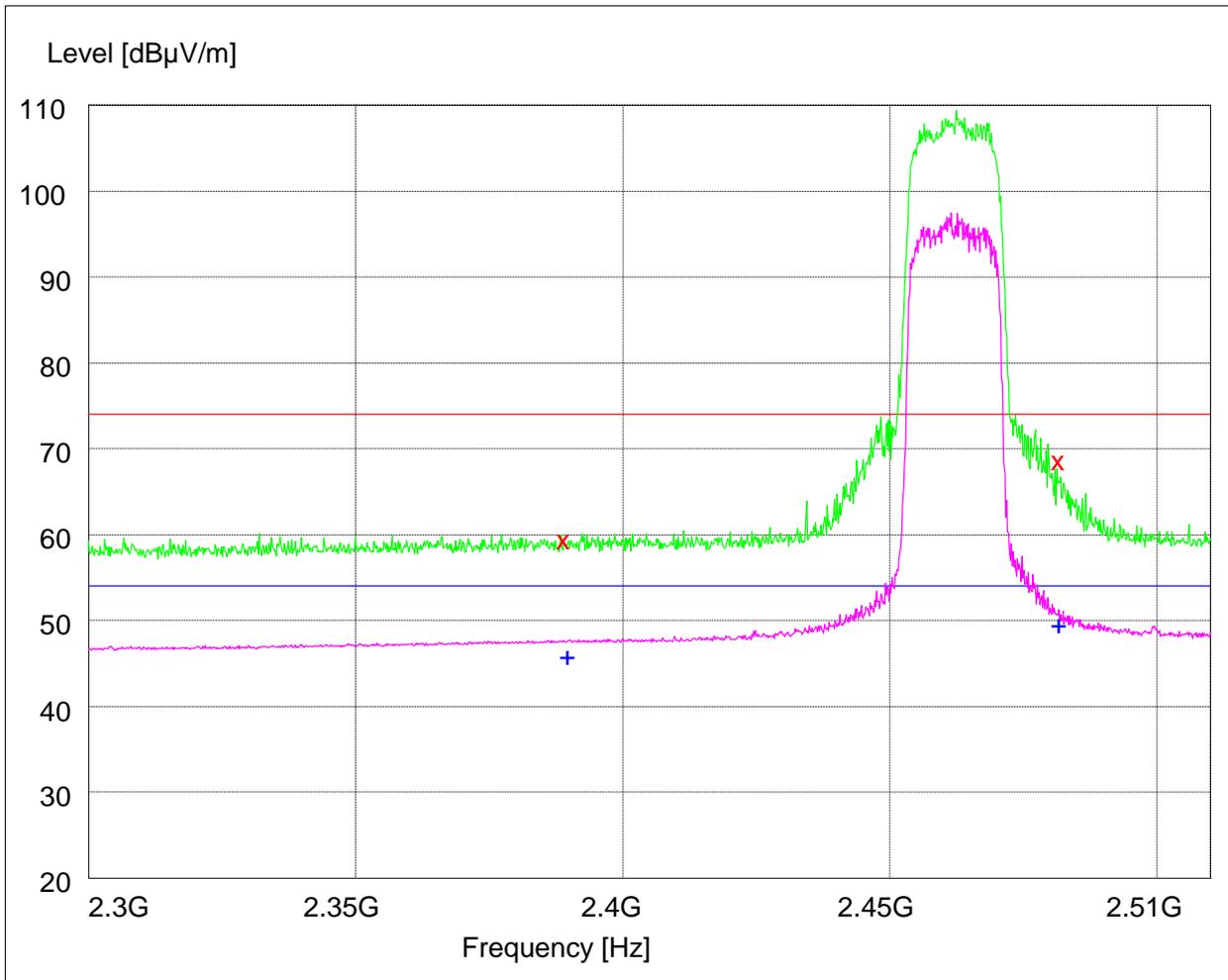
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	67.60	33.5	74.0	6.4	100.0	128.00	HORIZONTAL
2483.500000	59.10	33.7	74.0	14.9	161.0	43.00	VERTICAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.20	33.5	54.0	4.8	100.0	252.00	HORIZONTAL
2483.500000	46.80	33.7	54.0	7.2	100.0	271.00	HORIZONTAL

2.2 Channel 11



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

MEASUREMENT RESULT: PK Detector

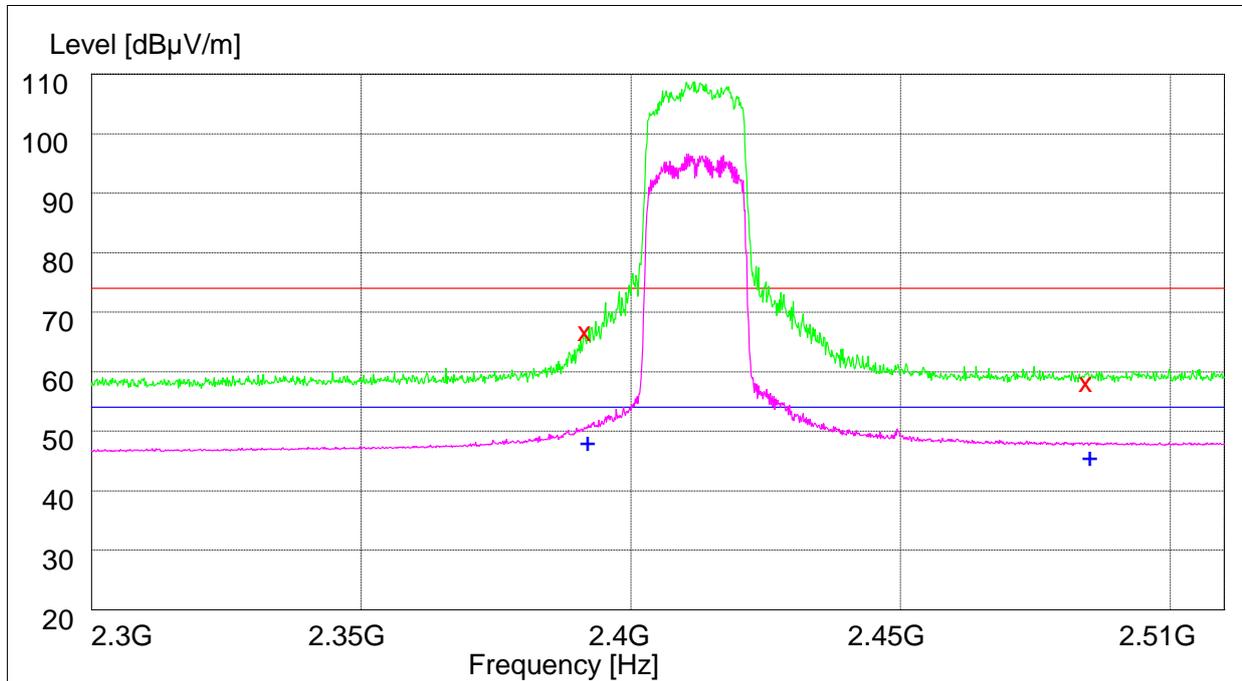
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	69.90	33.5	74.0	14.1	112.0	329.00	HORIZONTAL
2483.500000	69.10	33.7	74.0	4.9	120.0	146.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	33.5	54.0	7.6	129.0	253.00	VERTICAL
2483.500000	49.40	33.7	54.0	4.6	100.0	141.00	HORIZONTAL

3 Test Mode: 11n

3.1 Channel 01



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

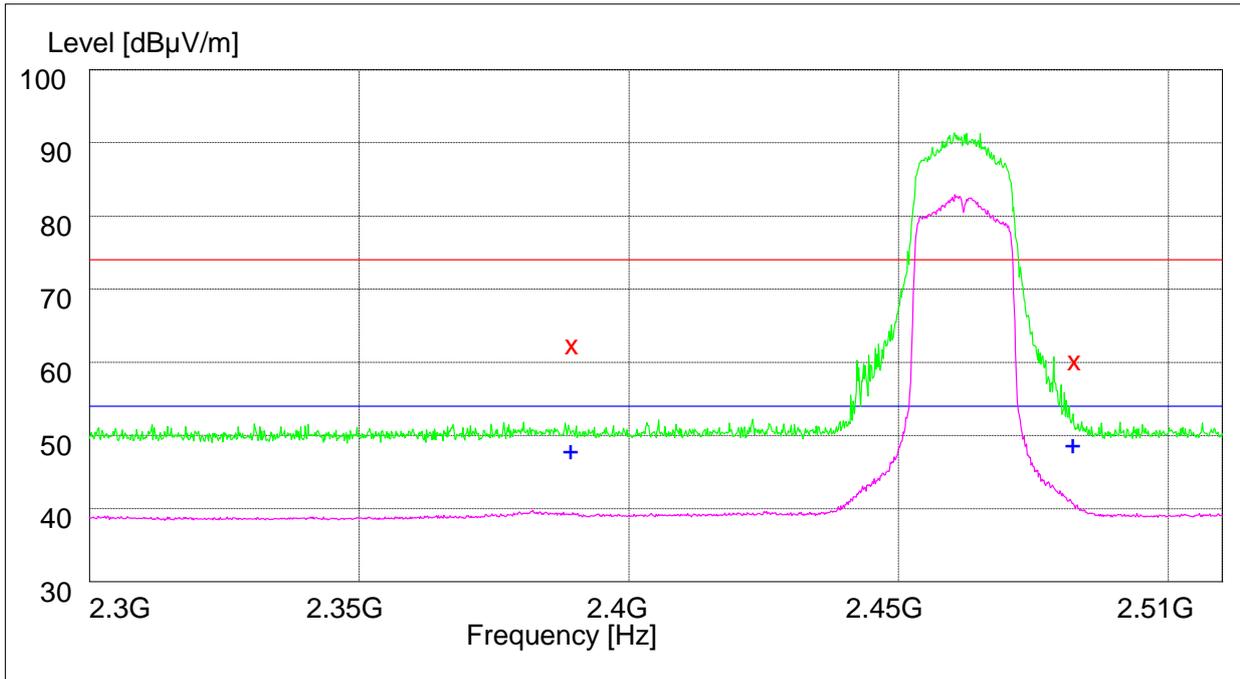
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	68.40	33.5	74.0	5.6	101.0	133.00	HORIZONTAL
2483.500000	59.90	33.7	74.0	14.1	123.0	232.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.70	33.5	54.0	4.3	100.0	252.00	HORIZONTAL
2483.500000	47.20	33.7	54.0	6.8	100.0	141.00	HORIZONTAL

3.2 Channel 11



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

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	61.50	33.5	74.0	12.5	150.0	221.00	HORIZONTAL
2483.500000	60.50	33.7	74.0	13.5	154.0	237.00	VERTICAL

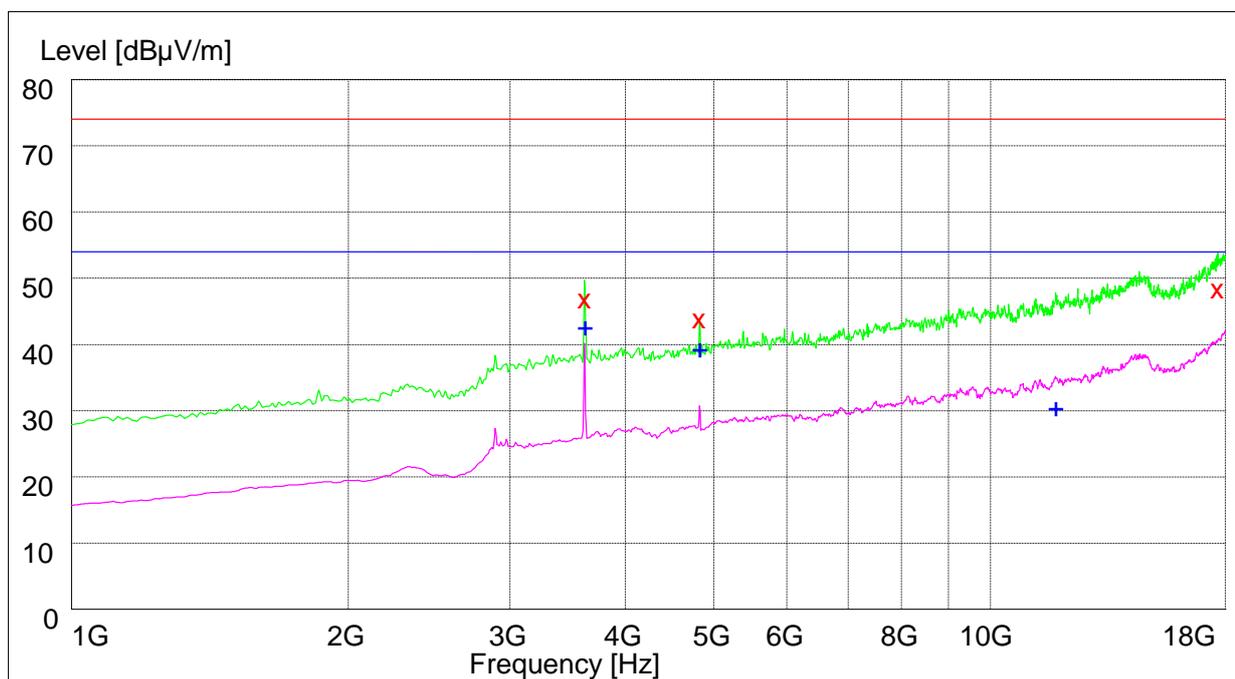
MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	48.50	33.5	54.0	5.5	153.0	251.00	VERTICAL
2483.500000	49.60	33.7	54.0	4.4	109.0	103.00	HORIZONTAL

3.3

Part 4: Testing Range of “1 GHz to 18 GHz”

- Note 1: The test results and plot for testing range of “1 GHz to 18 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “1 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).



-----The END-----



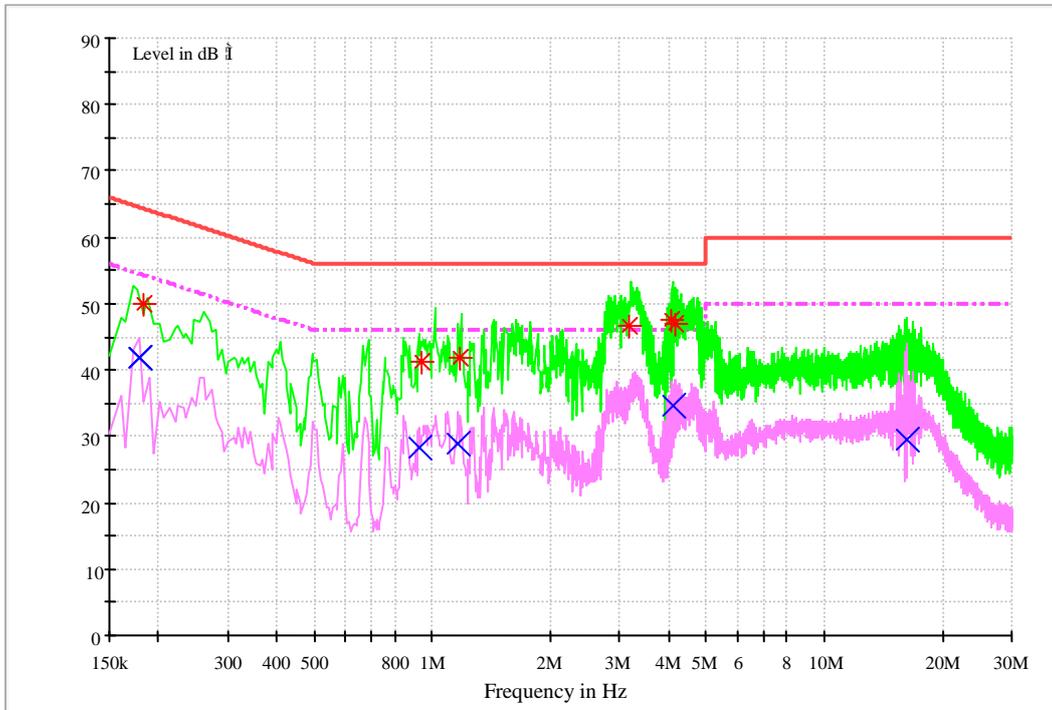
Appendix G

Conducted Emission at Power Port

According to FCC Part 15.207



Channel 6



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.182368	49.8	9.7	64.4	14.6	N	FLO
0.935501	41.3	9.7	56.0	14.7	L1	FLO
1.172261	42.0	9.7	56.0	14.0	L1	FLO
3.168832	46.5	9.7	56.0	9.5	N	FLO
4.077709	47.6	9.8	56.0	8.4	N	FLO
4.164315	46.9	9.8	56.0	9.1	N	FLO



MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.178195	41.9	9.7	54.6	12.7	N	FLO
0.179528	41.8	9.7	54.5	12.7	N	FLO
0.926632	28.4	9.7	46.0	17.6	N	FLO
1.159796	28.8	9.7	46.0	17.2	N	FLO
4.125589	34.5	9.8	46.0	11.5	N	FLO
16.126294	29.5	10.1	50.0	20.5	N	FLO

-----The END-----