



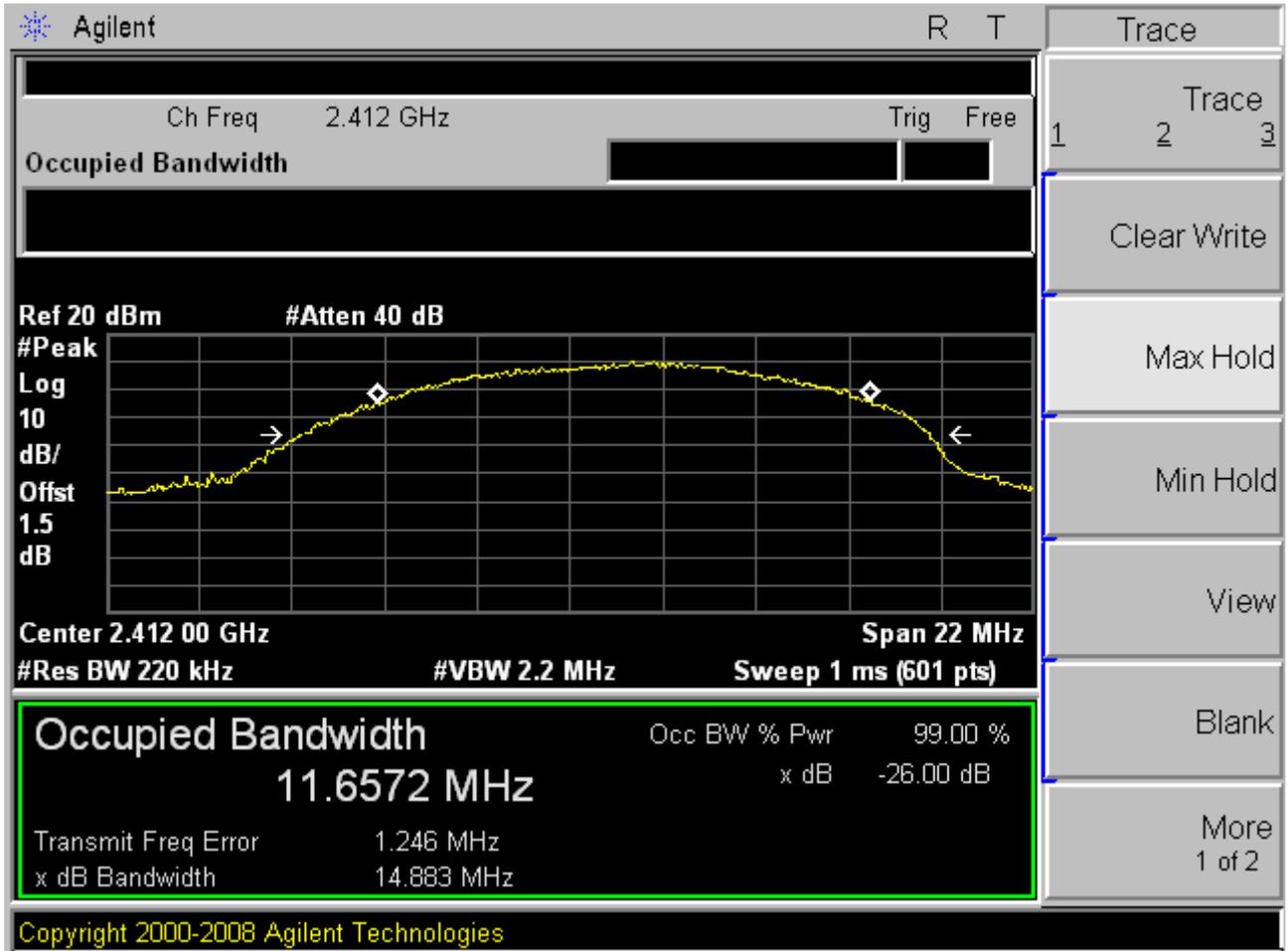
# **Appendix A**

## 6dB bandwidth measurement

According to FCC Part 15.247 (a) (2)

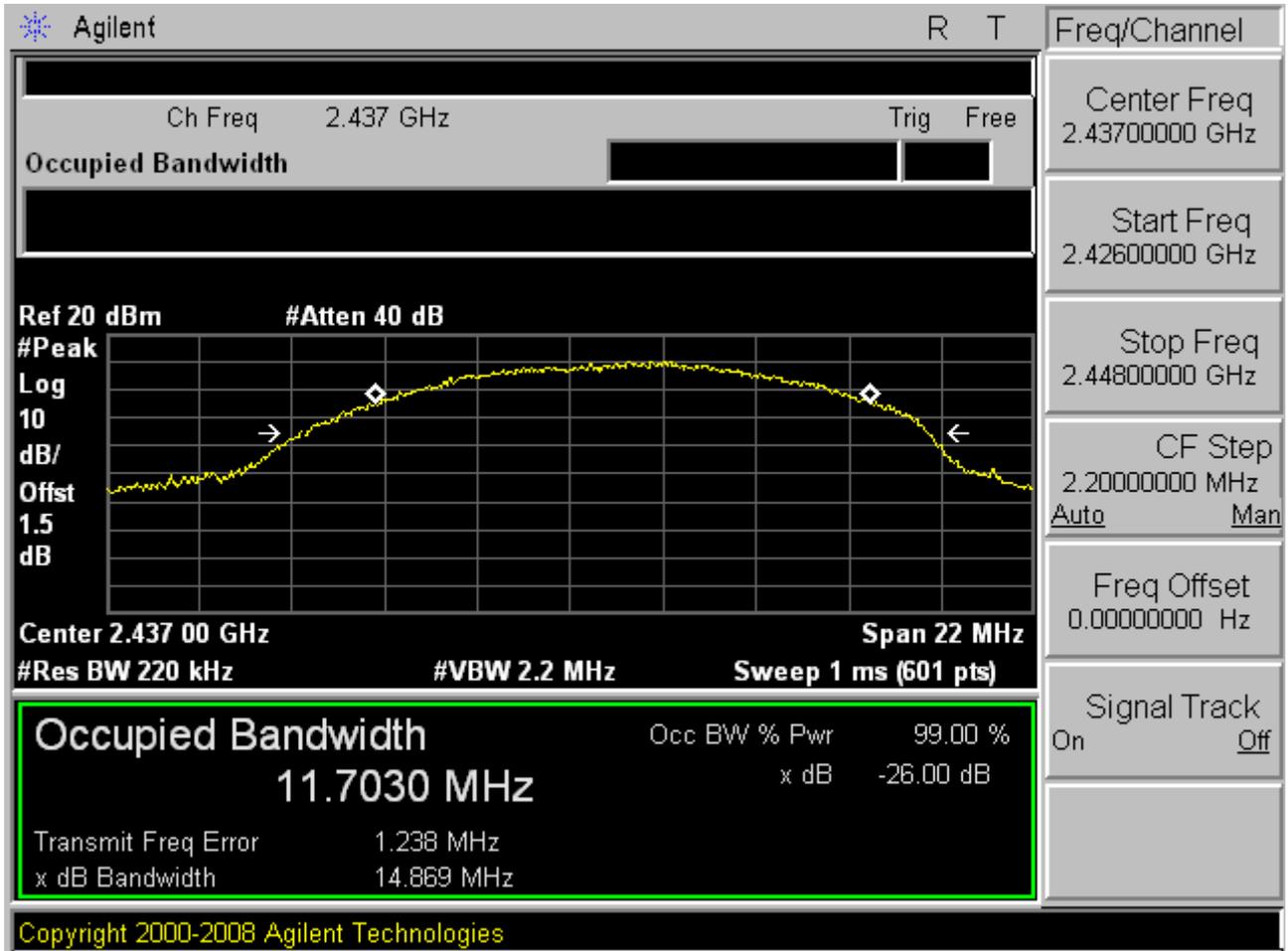


# TM1 Channel 1 (2412MHz)



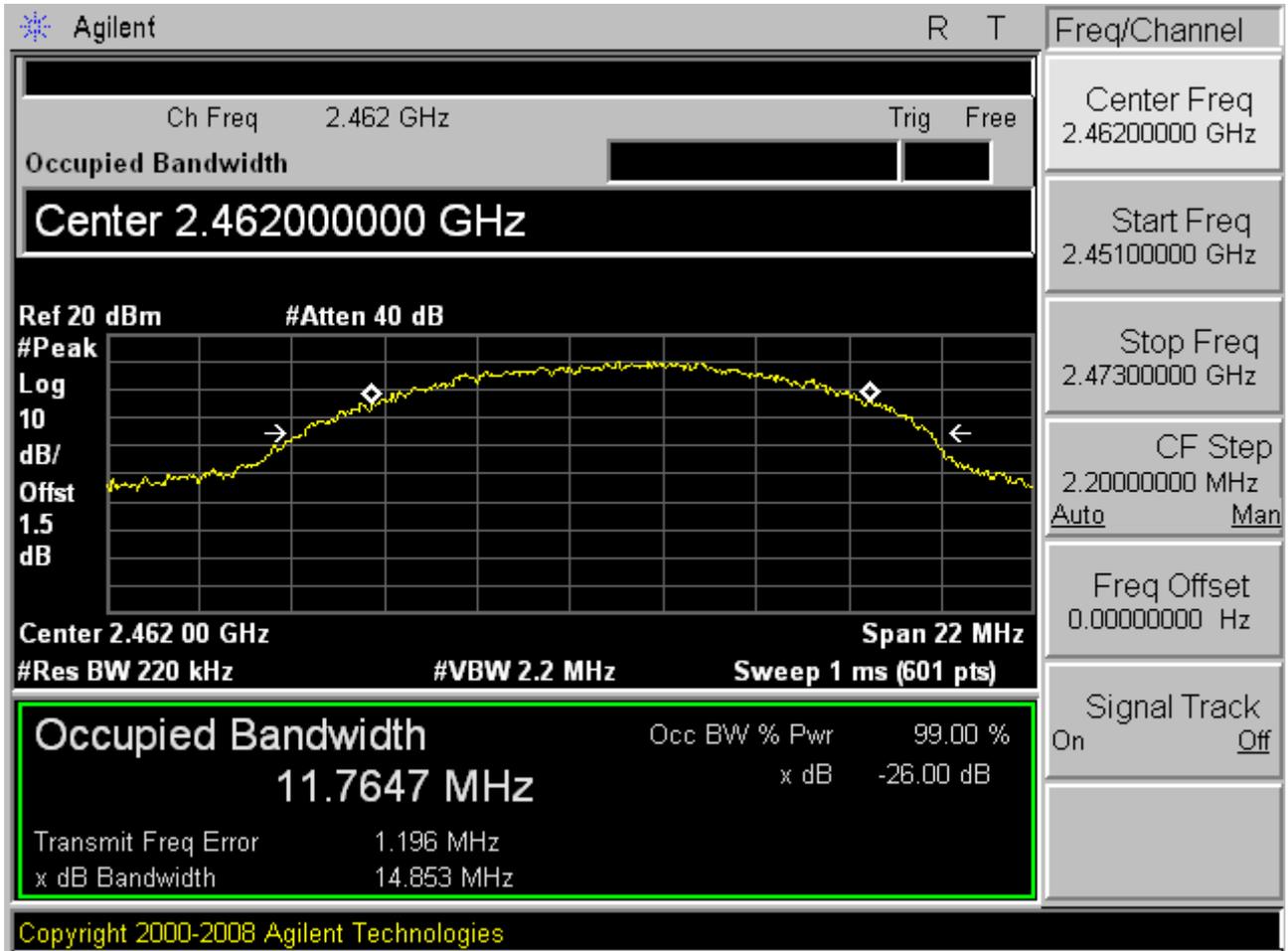


# Channel 6 (2437MHz)



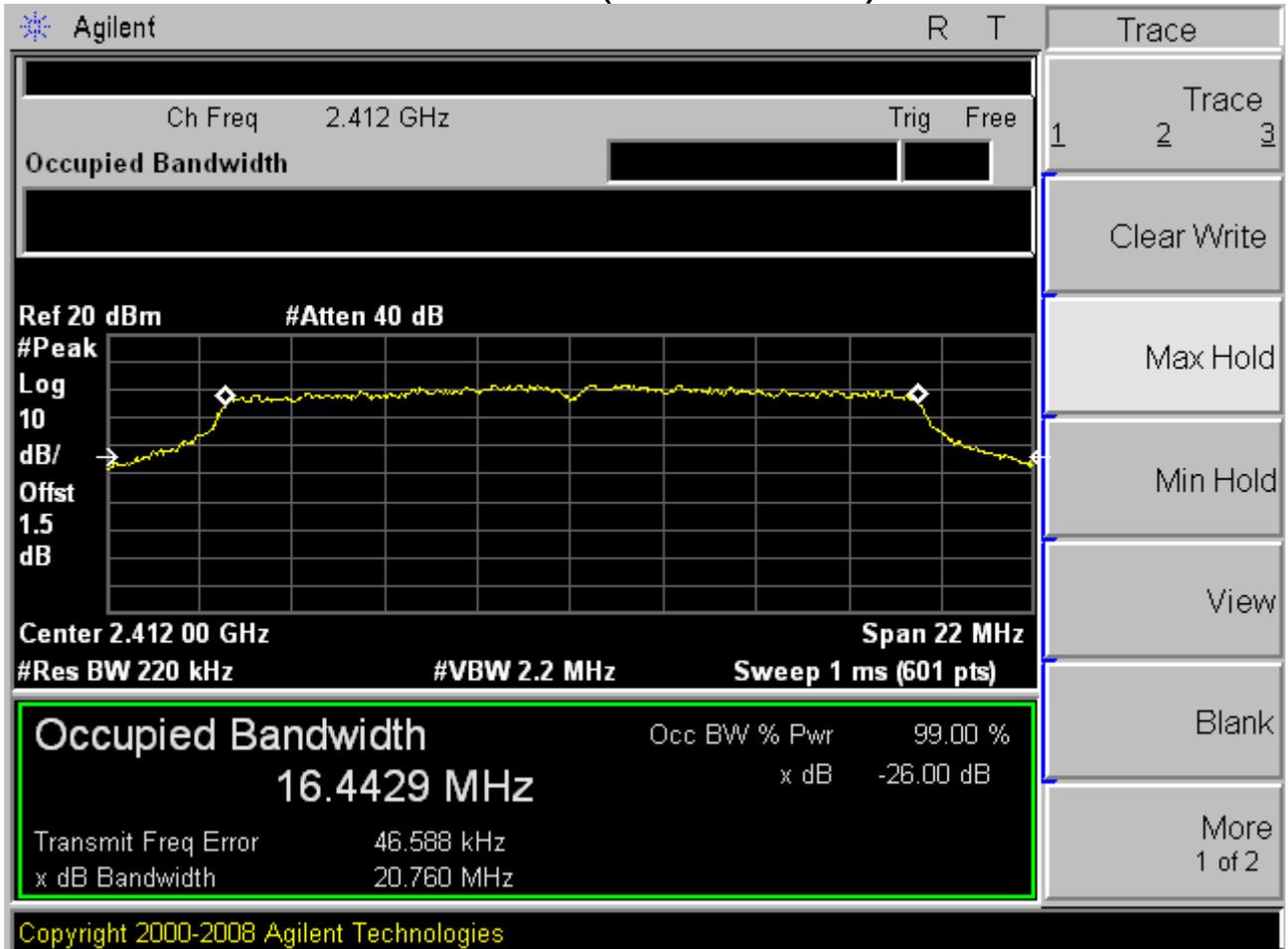


# Channel 11 (2462MHz)



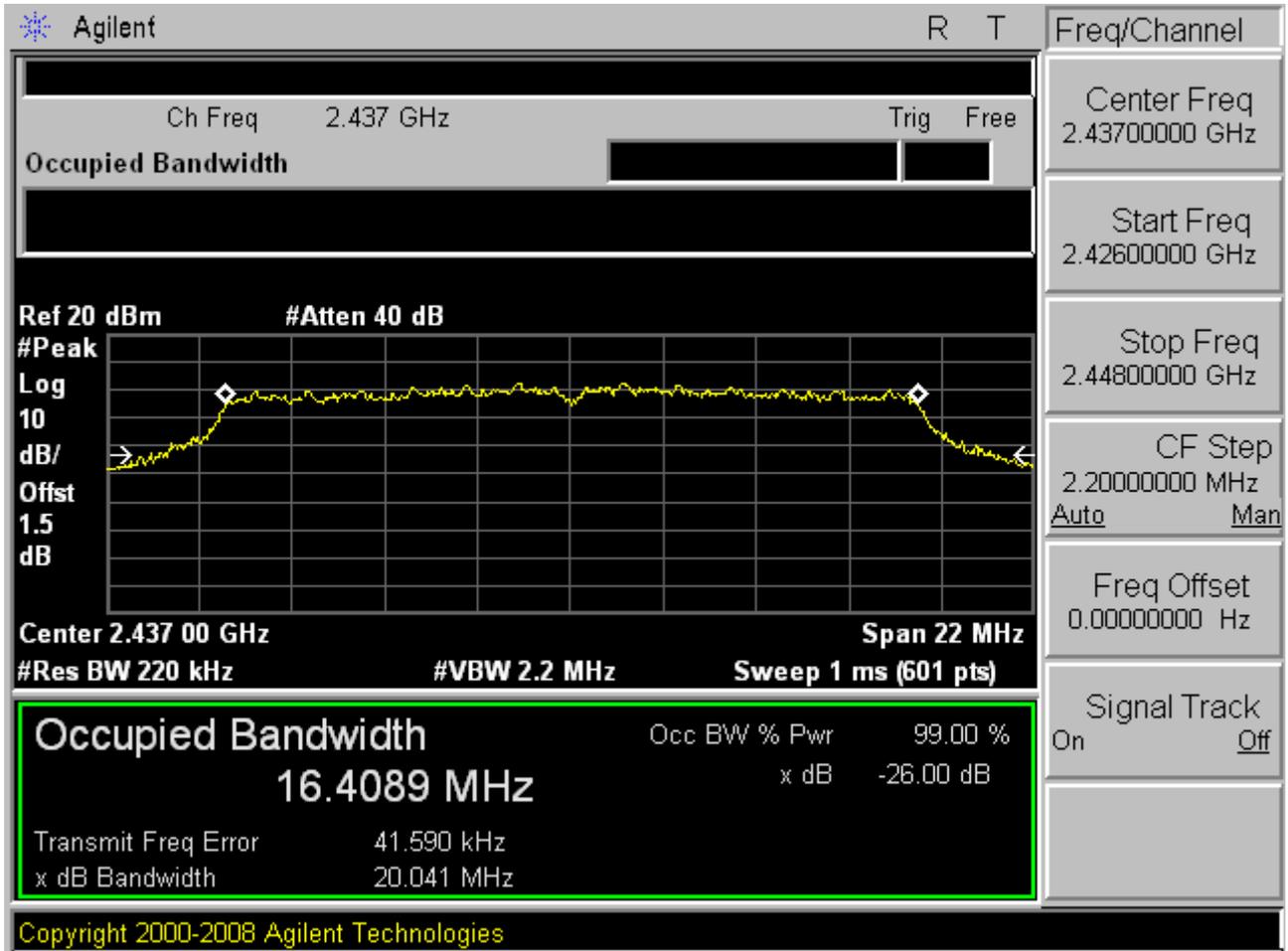


# TM2 Channel 1 (2412MHz)



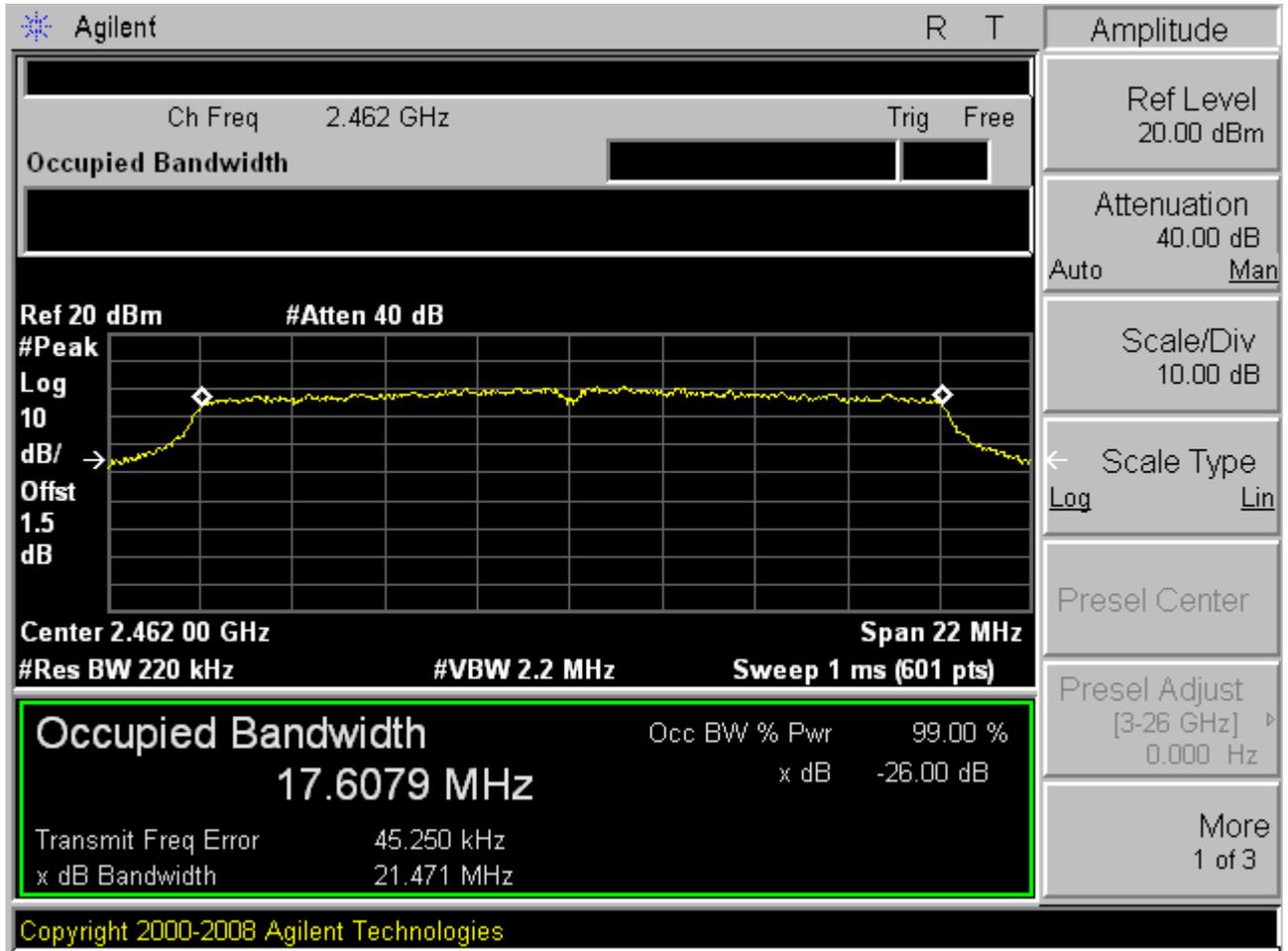


# Channel 6 (2437MHz)



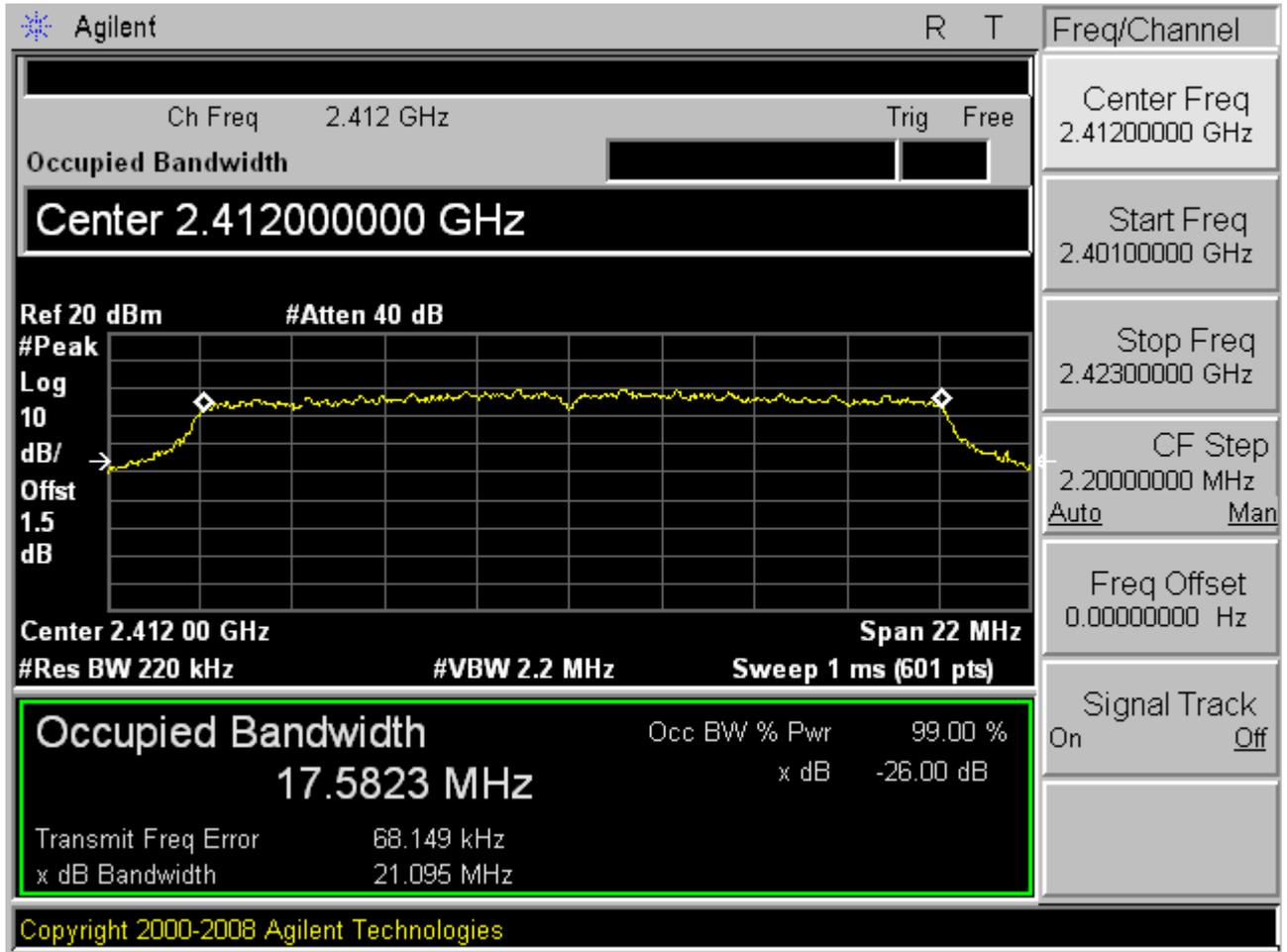


# Channel 11 (2462MHz)



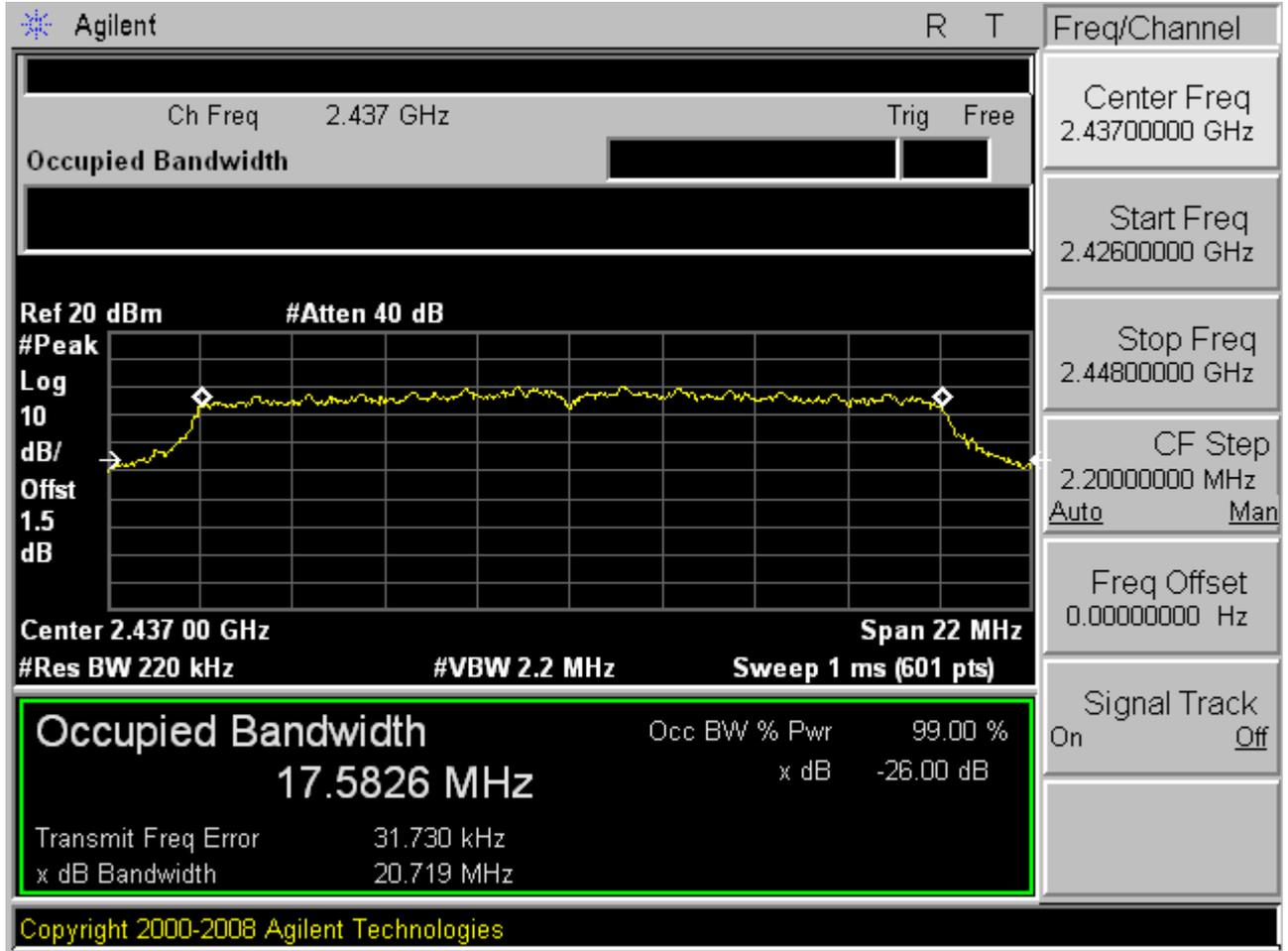


# TM3 Channel 1 (2412MHz)



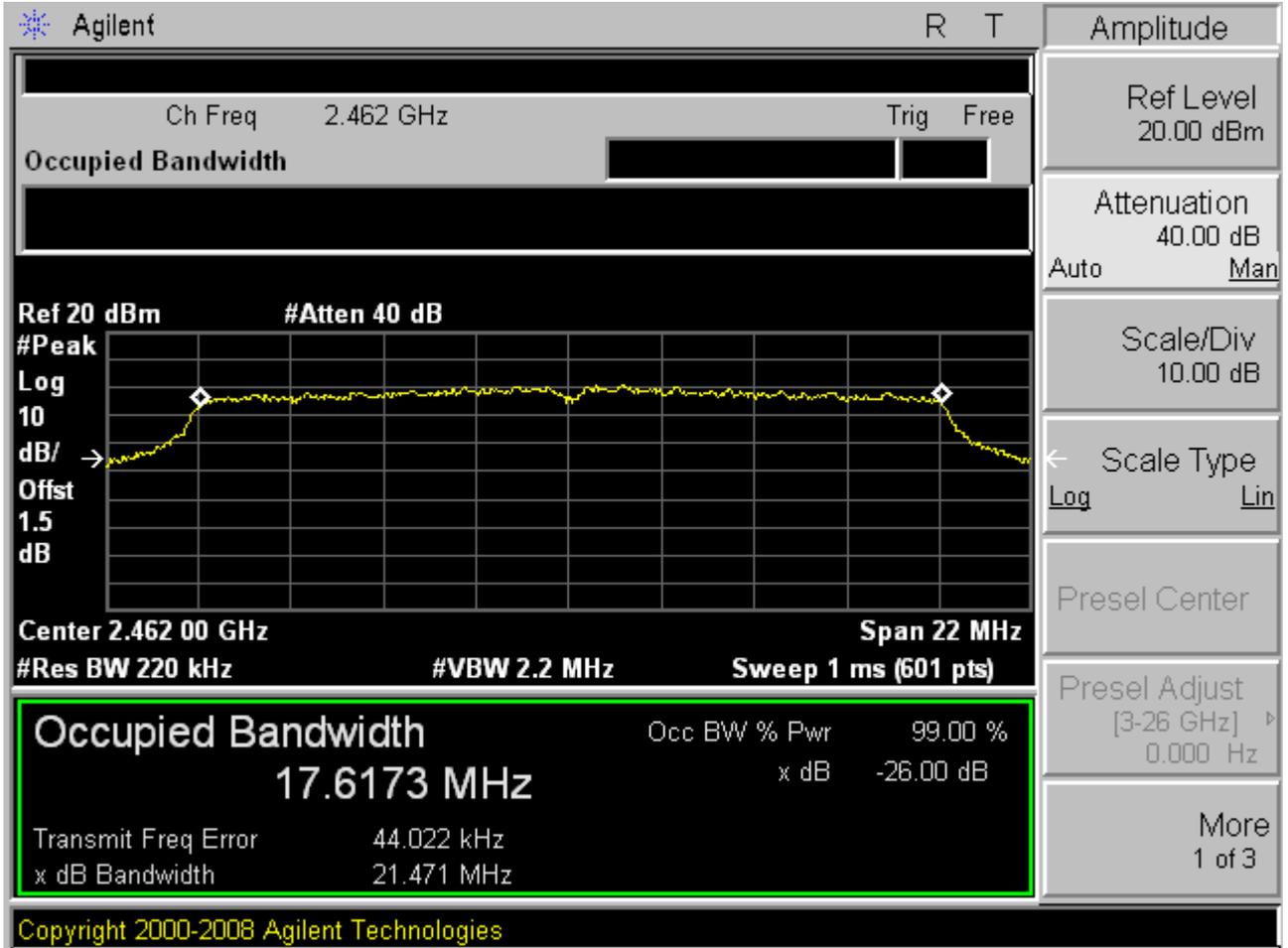


# Channel 6 (2437MHz)





# Channel 11 (2462MHz)





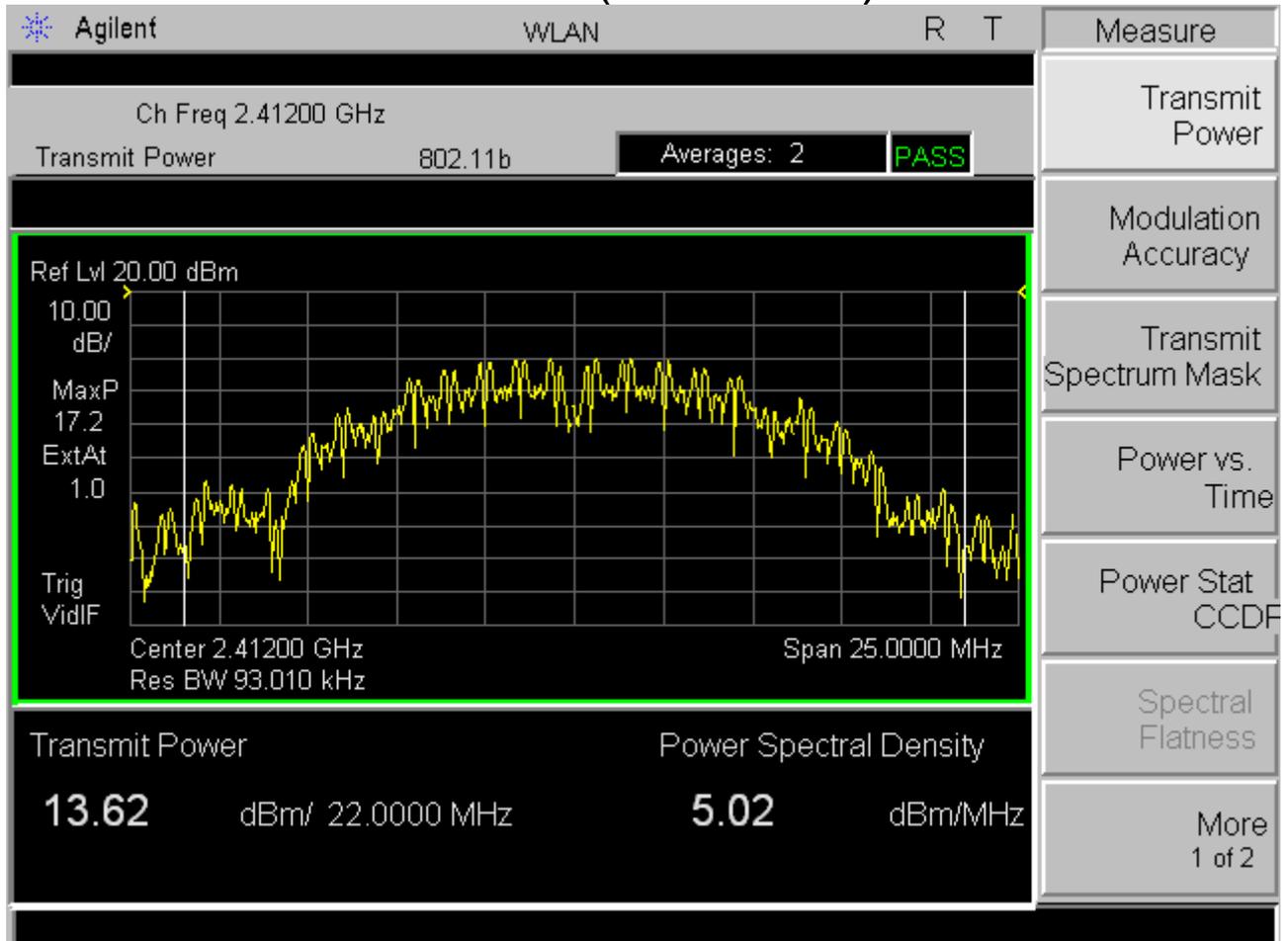
## **Appendix B**

# Conducted Peak output power

According to FCC Part 15.247 (b) (3)

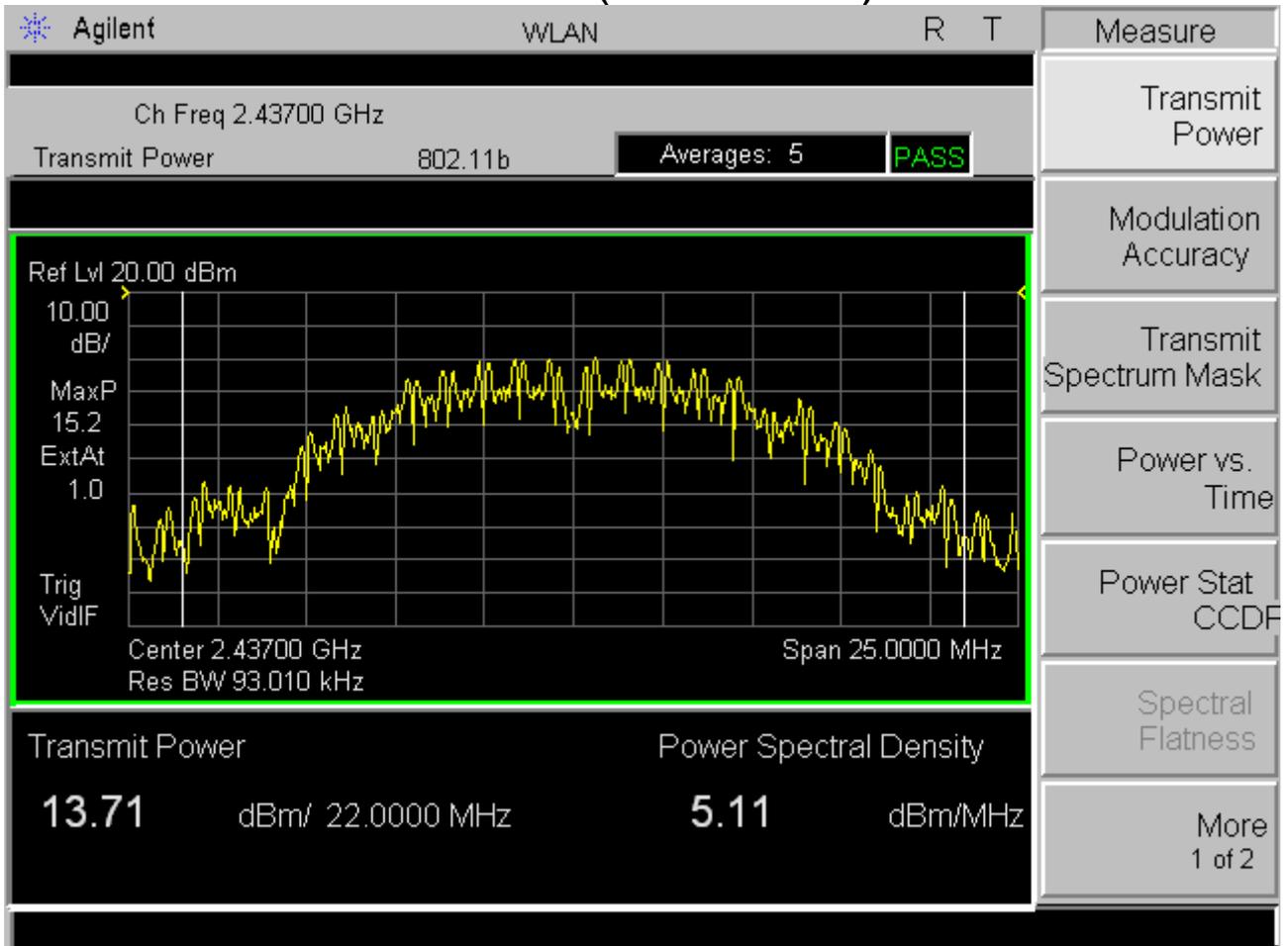


# TM1 Channel 1 (2412MHz)



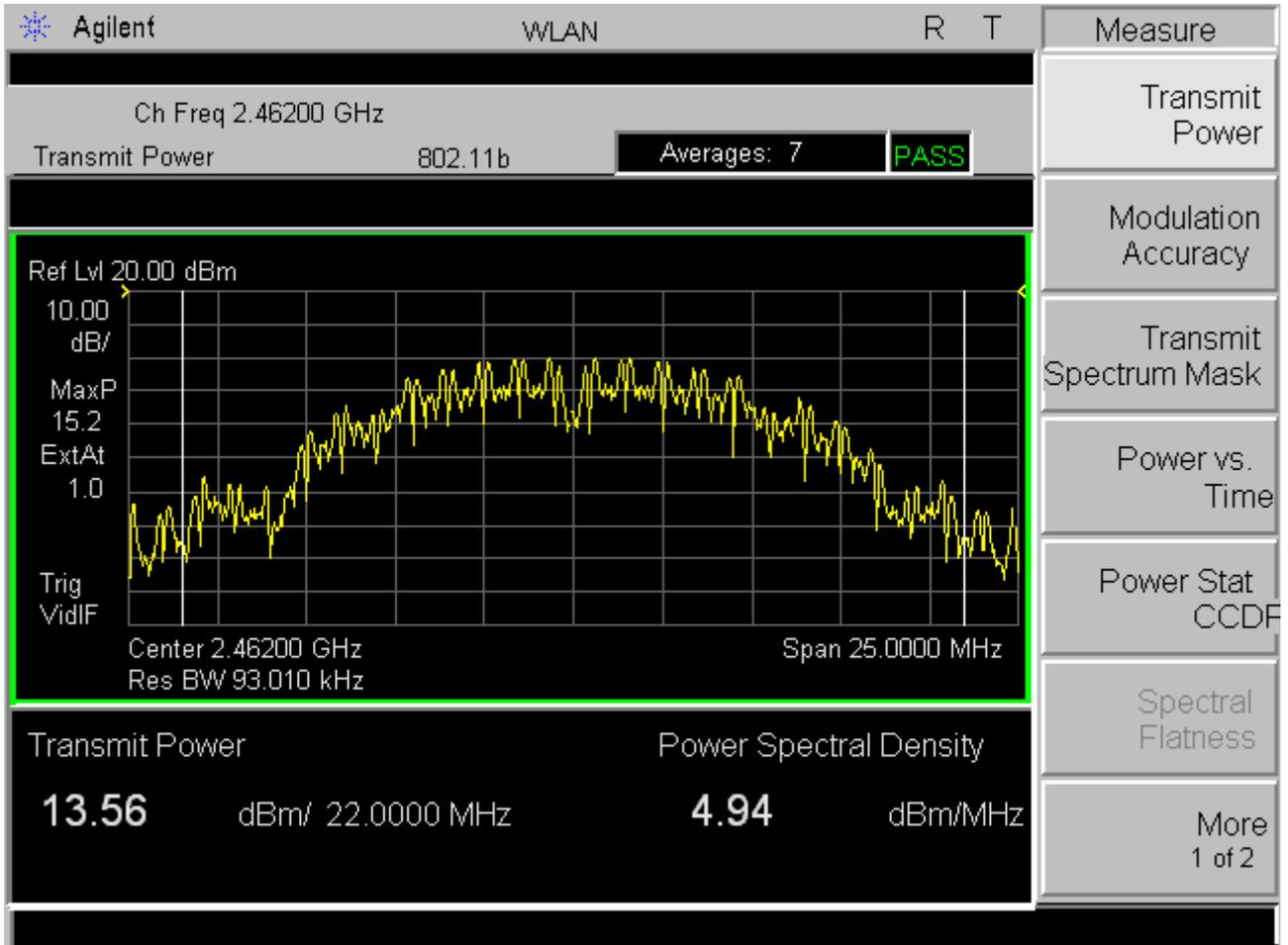


# Channel 6 (2437MHz)



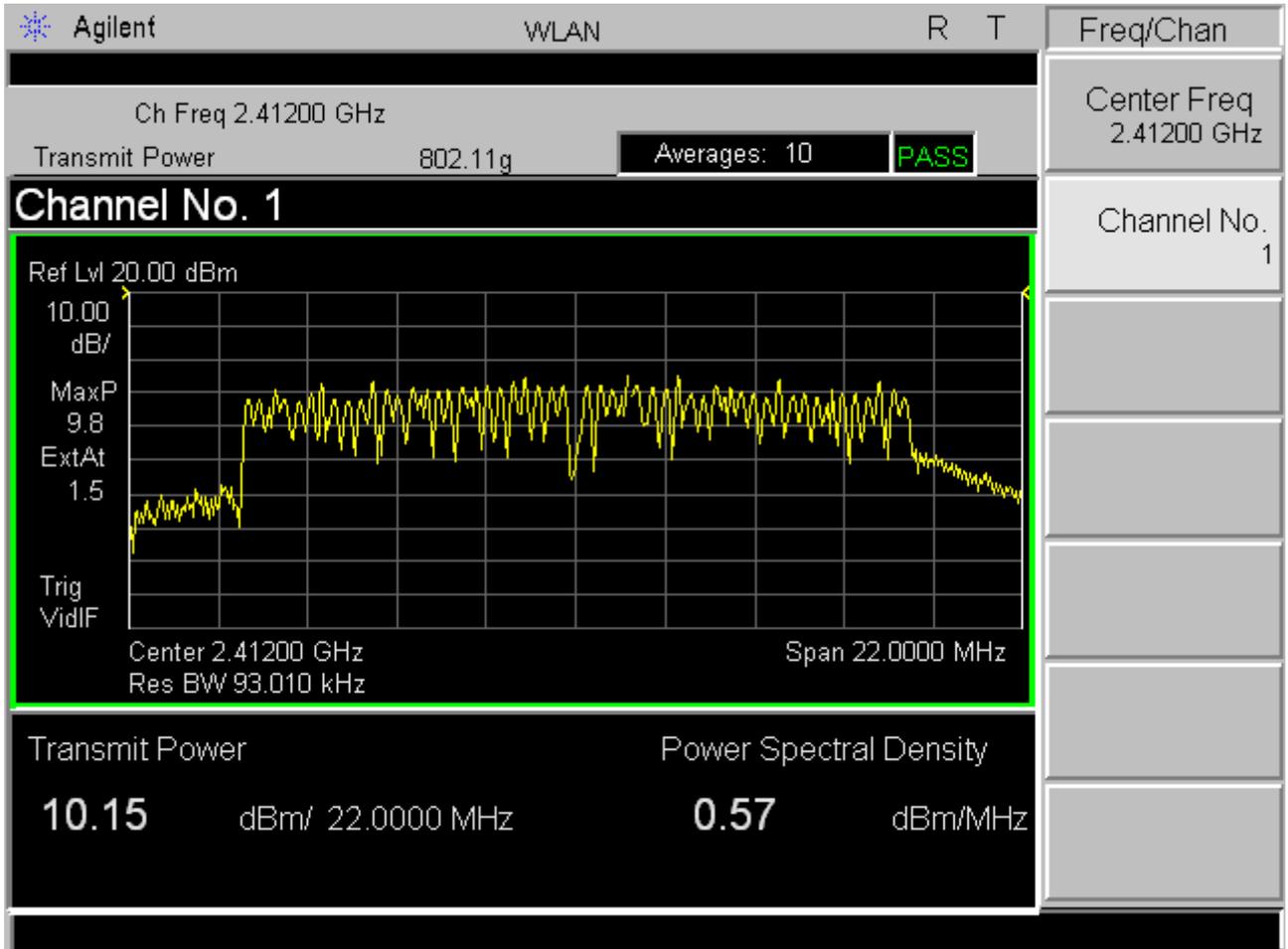


# Channel 11 (2462MHz)



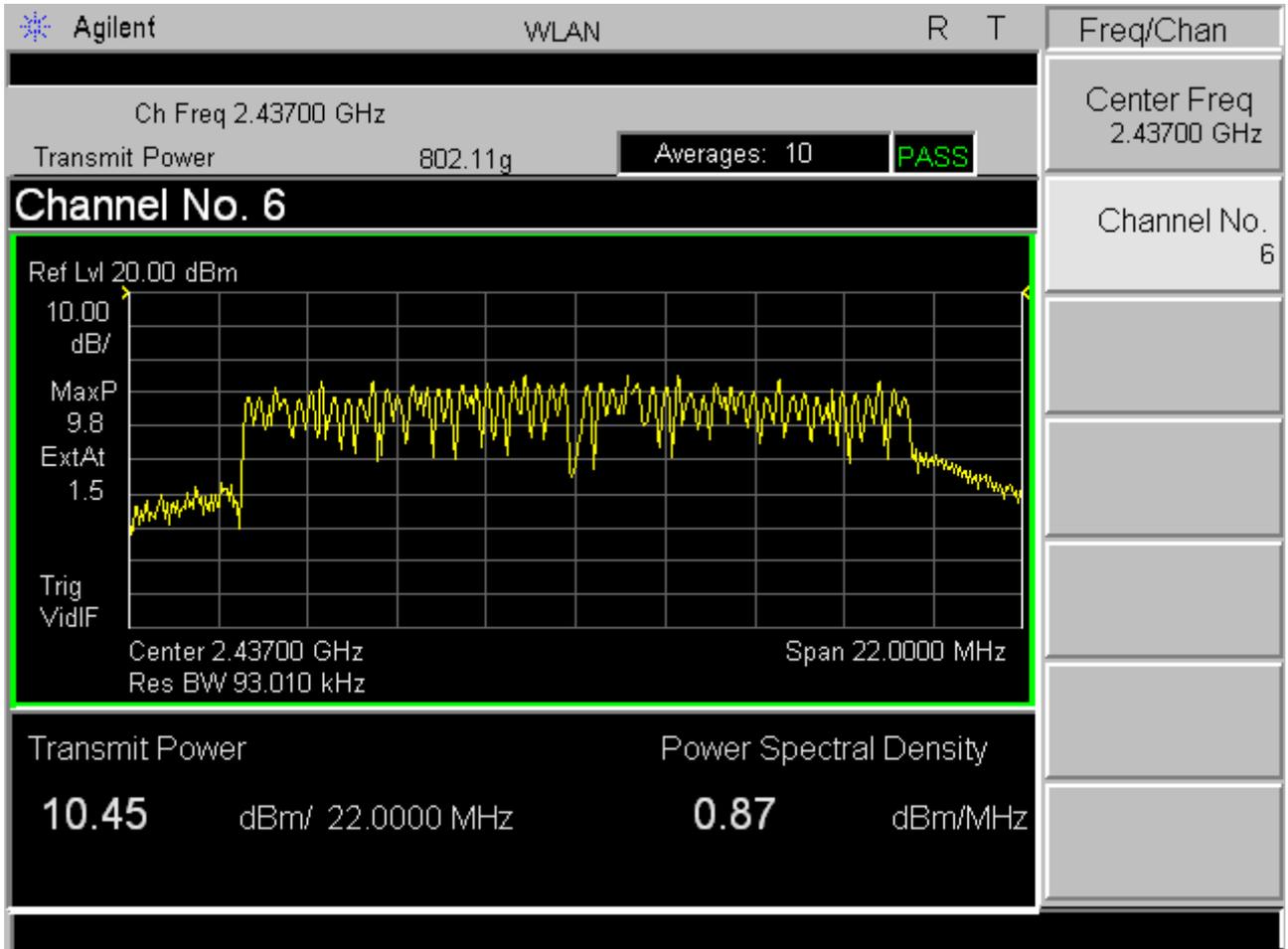


# TM2 Channel 1 (2412MHz)



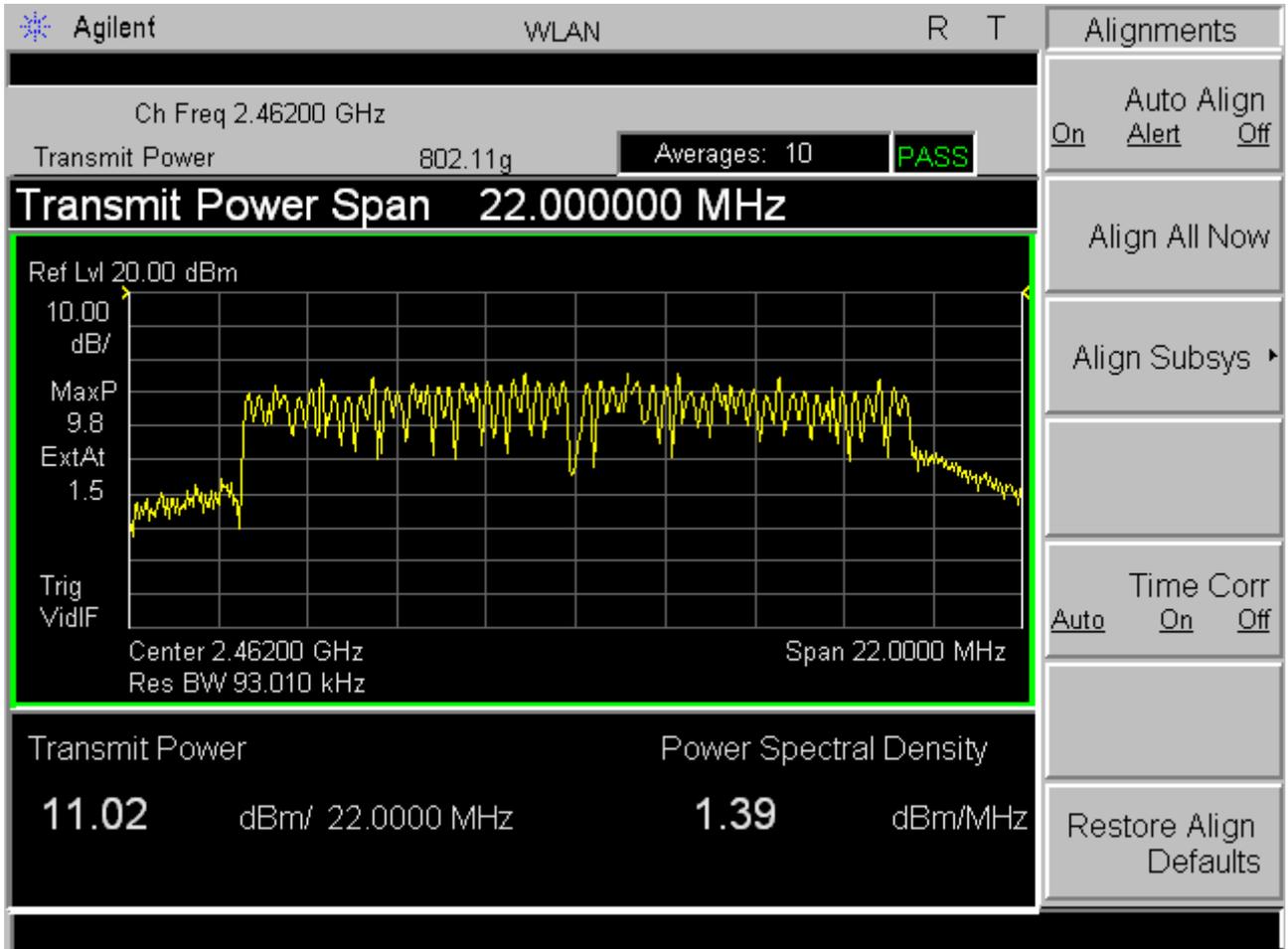


# Channel 6 (2437MHz)



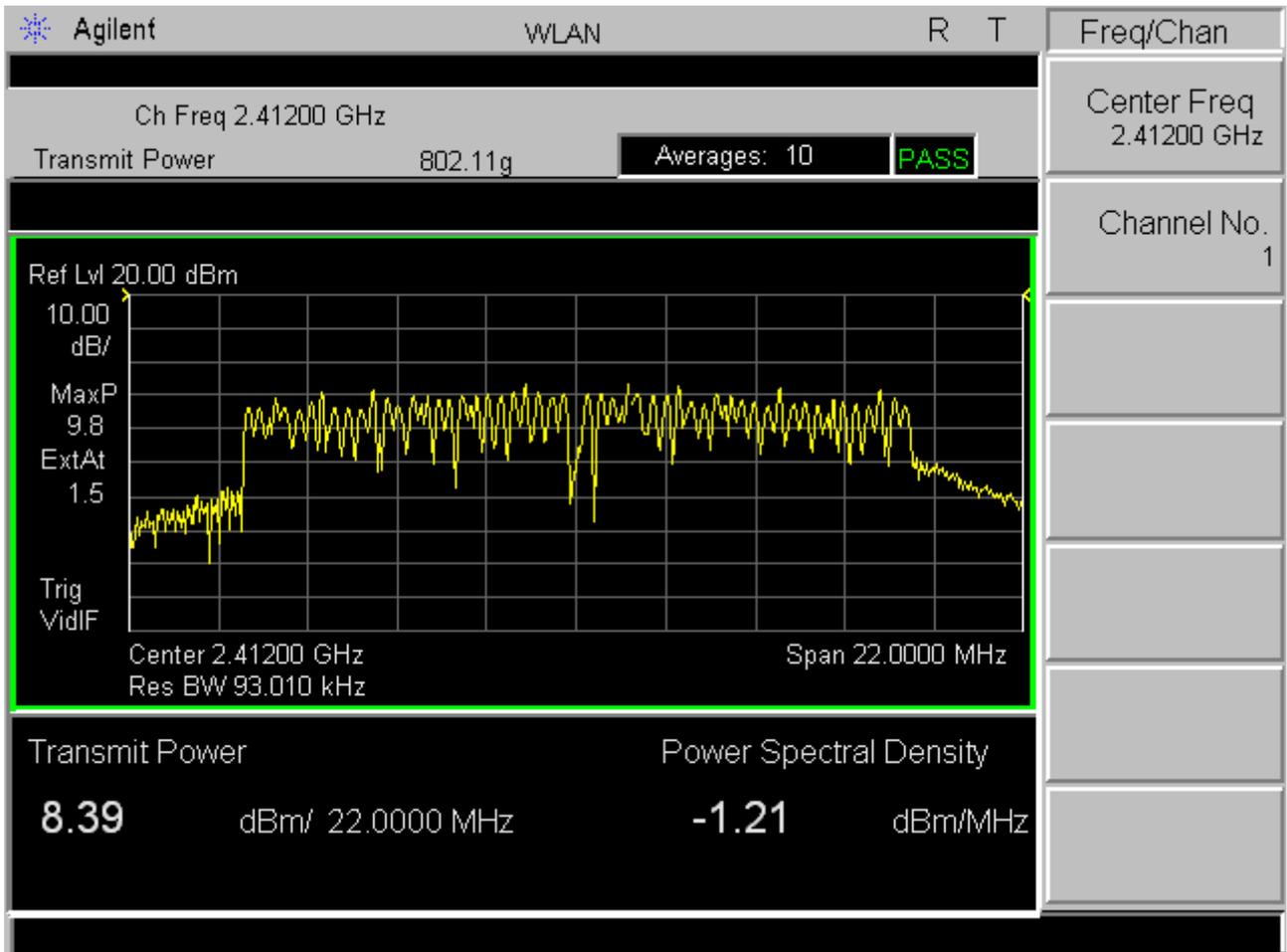


# Channel 11 (2462MHz)



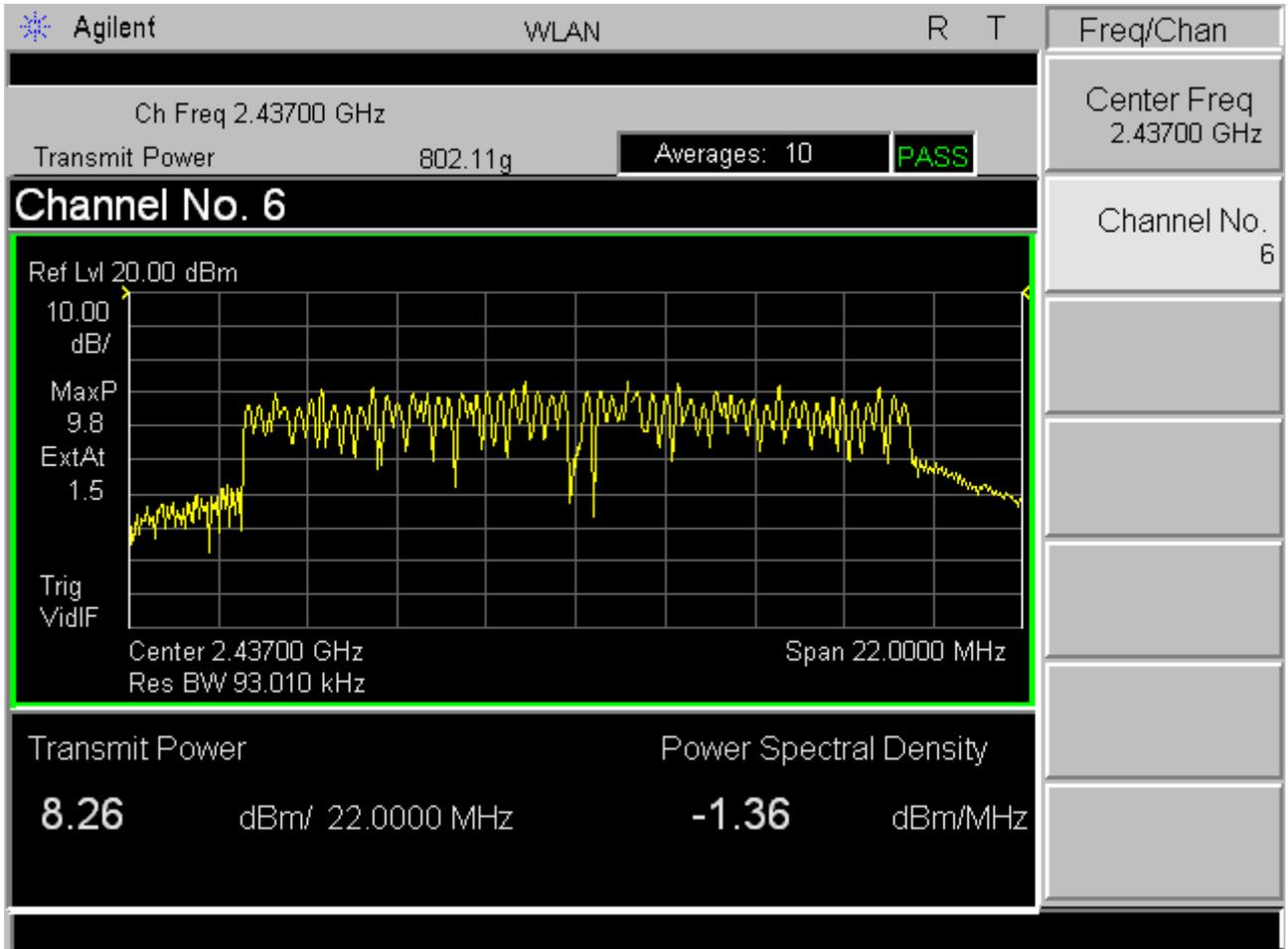


# TM3 Channel 1 (2412MHz)



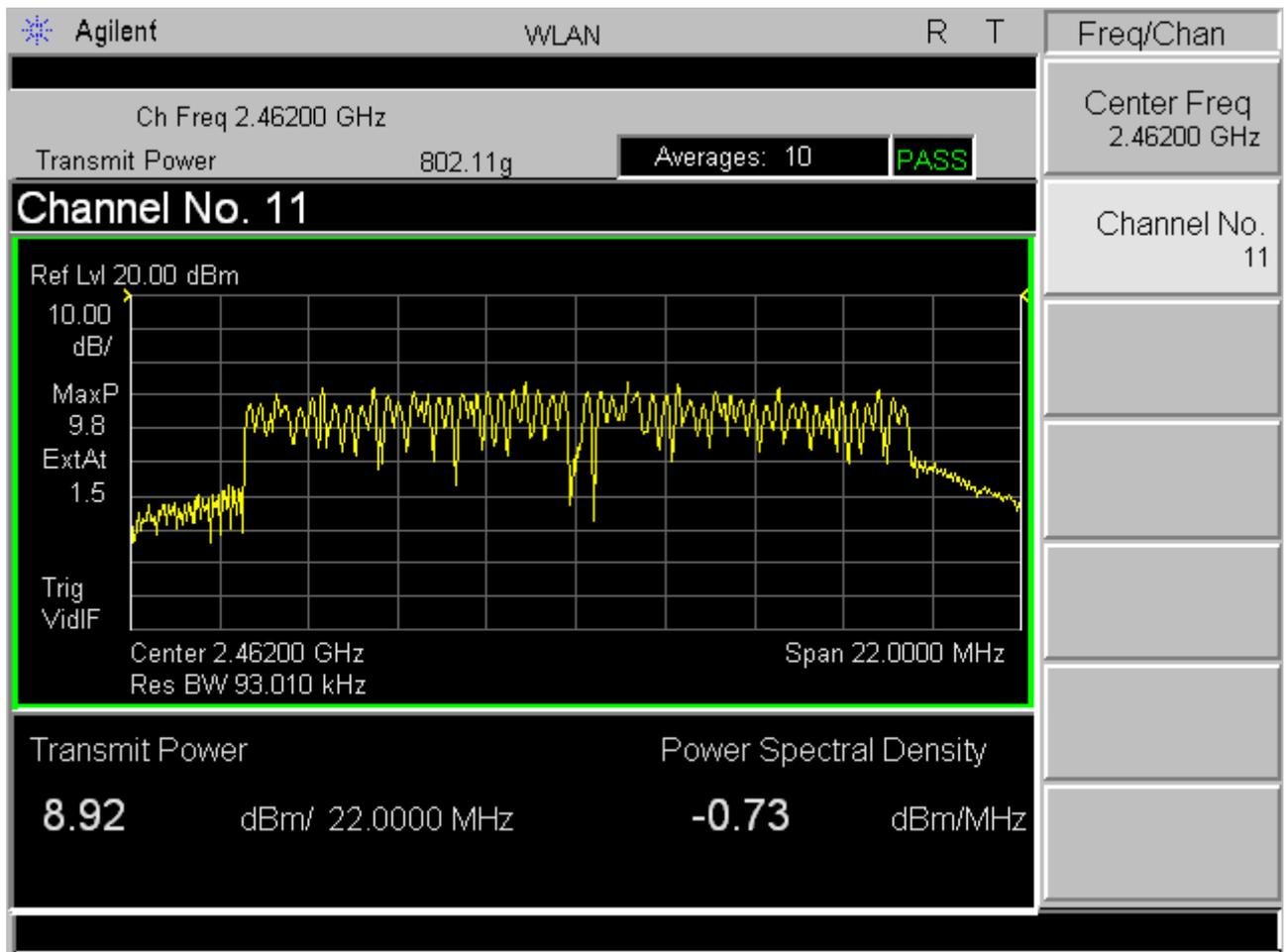


# Channel 6 (2437MHz)





# Channel 11 (2462MHz)





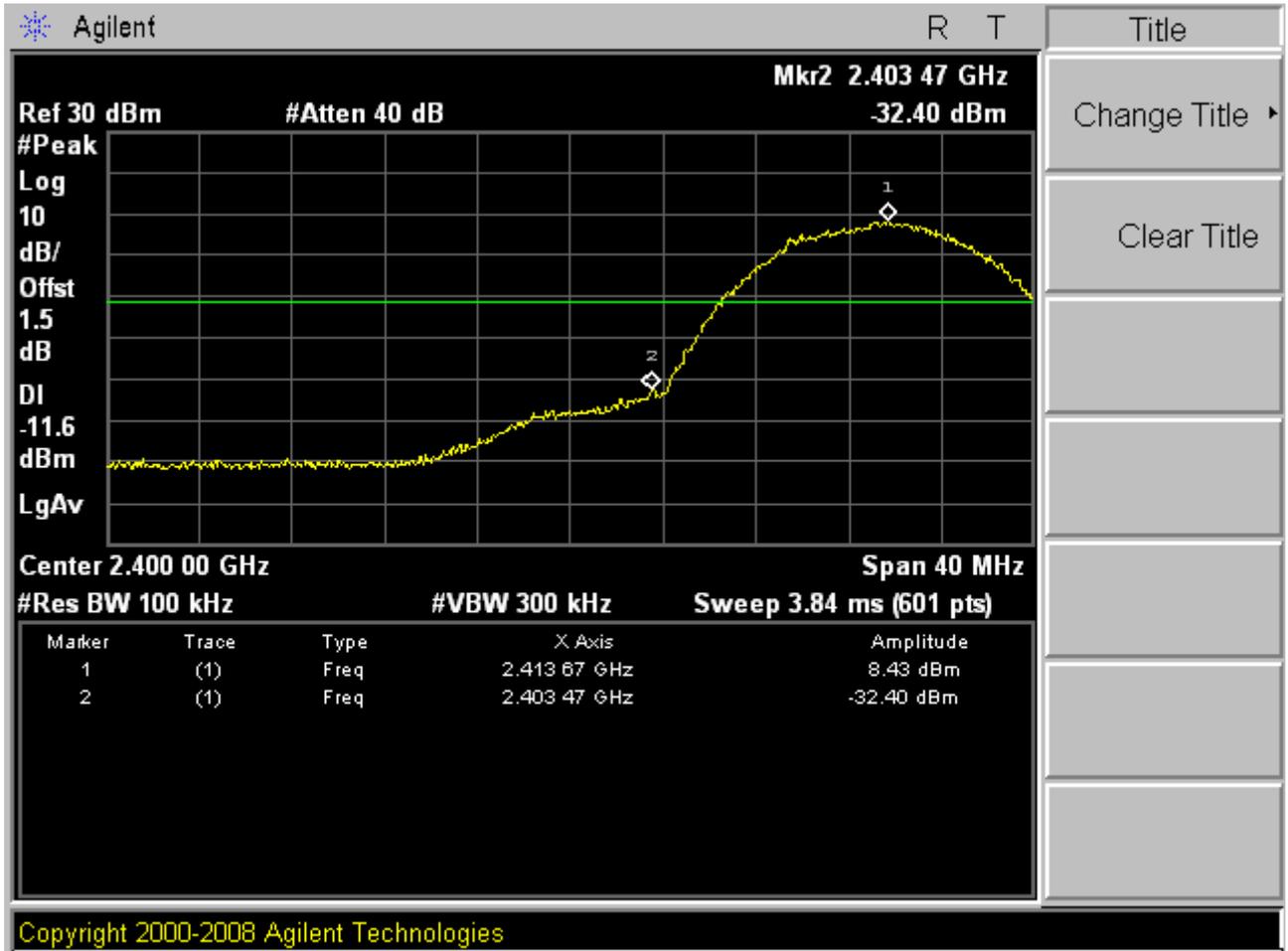
# **Appendix C**

## **Band edge spurious emission**

**According to FCC Part 15.247 (d)**

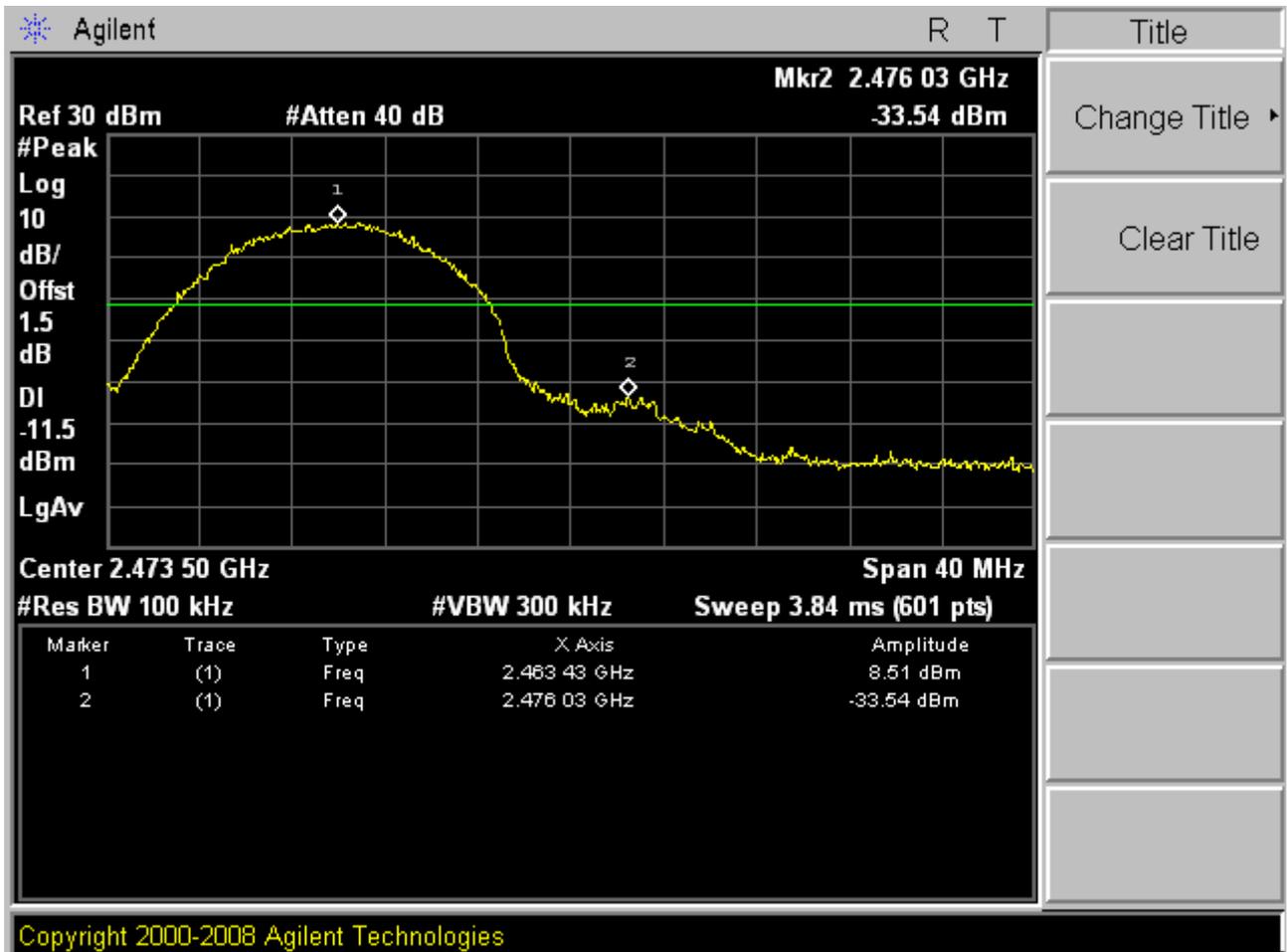


# TM1 Low edge



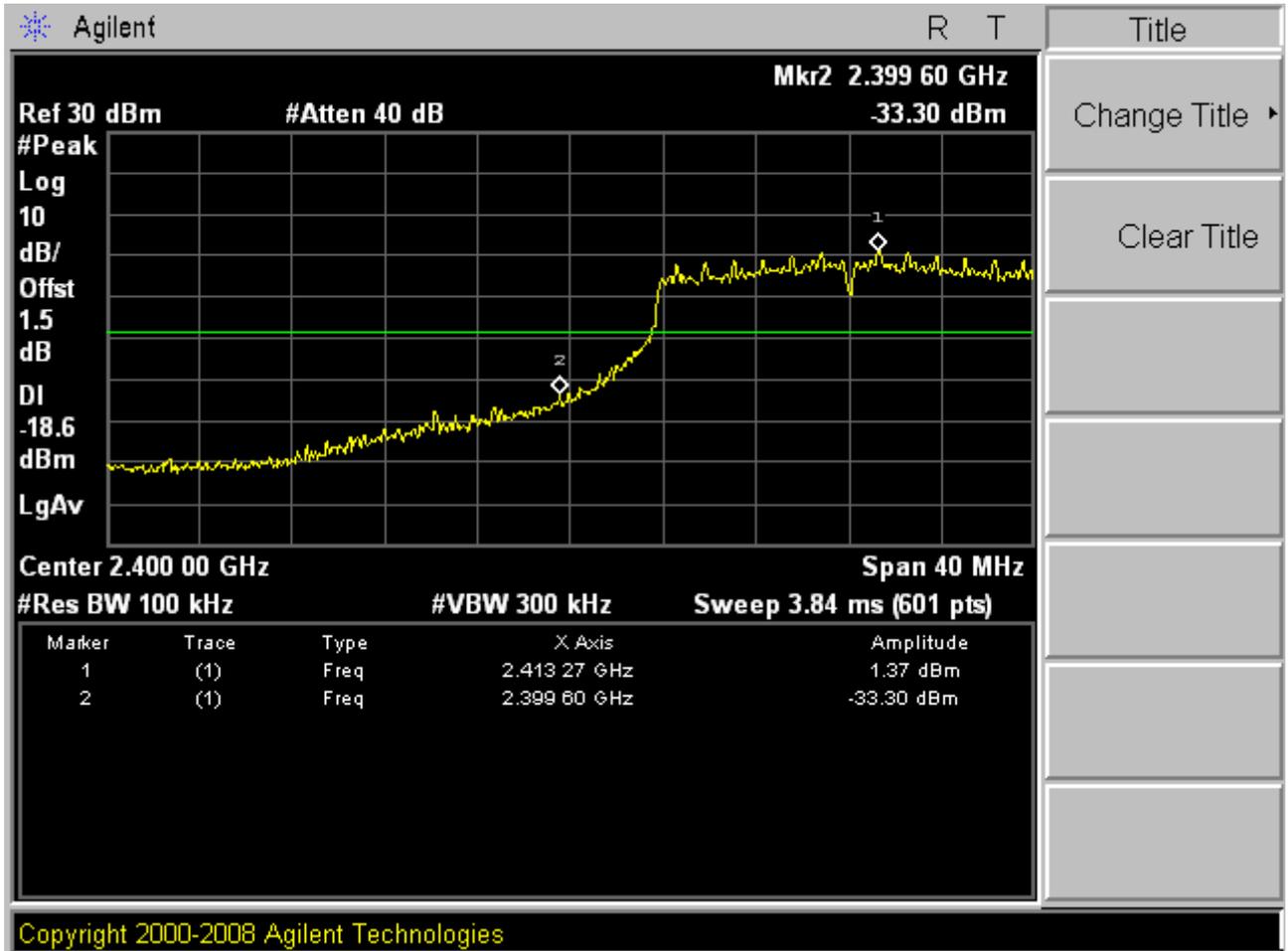


# High edge



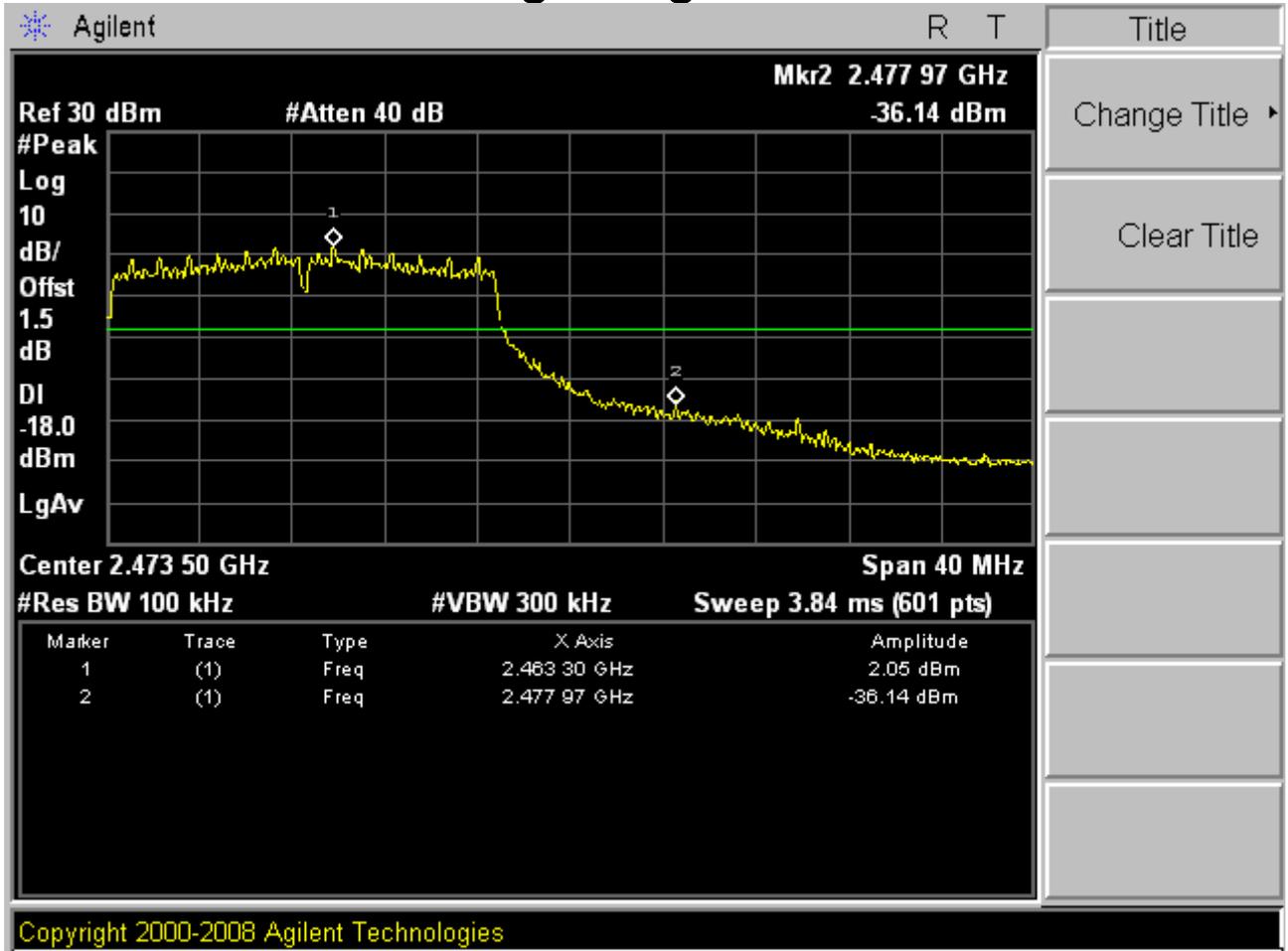


# TM2 Low edge





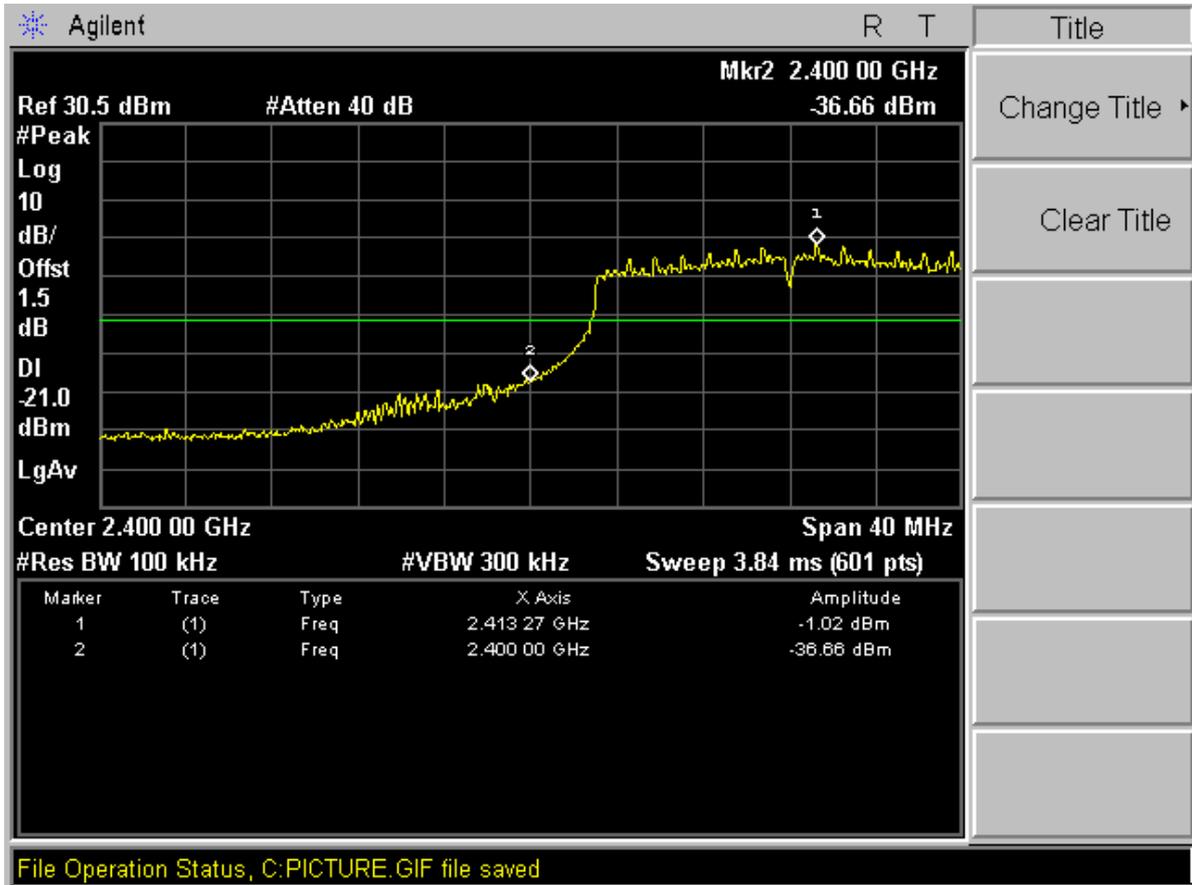
# High edge





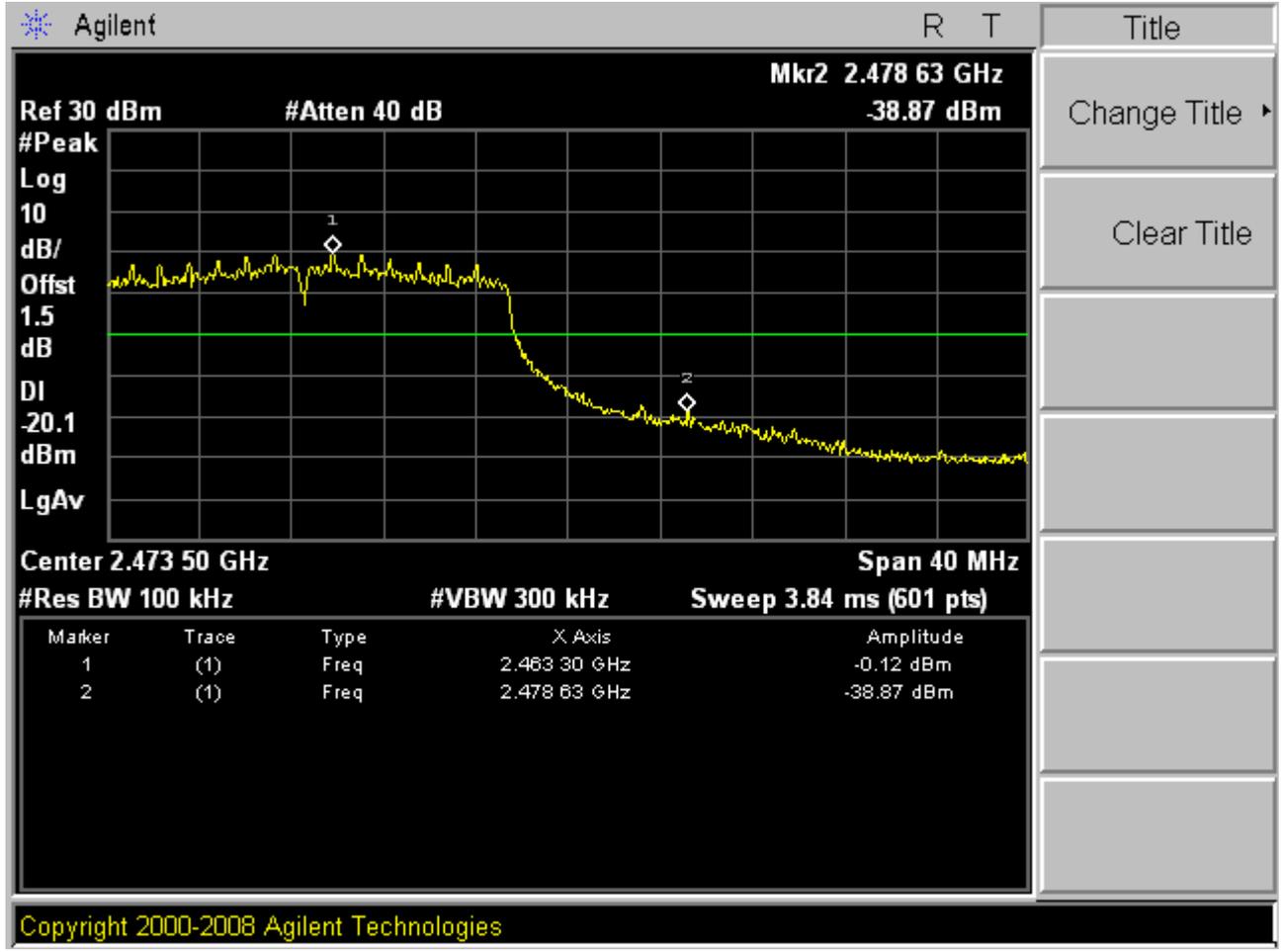
# TM1

## Low edge





# High edge





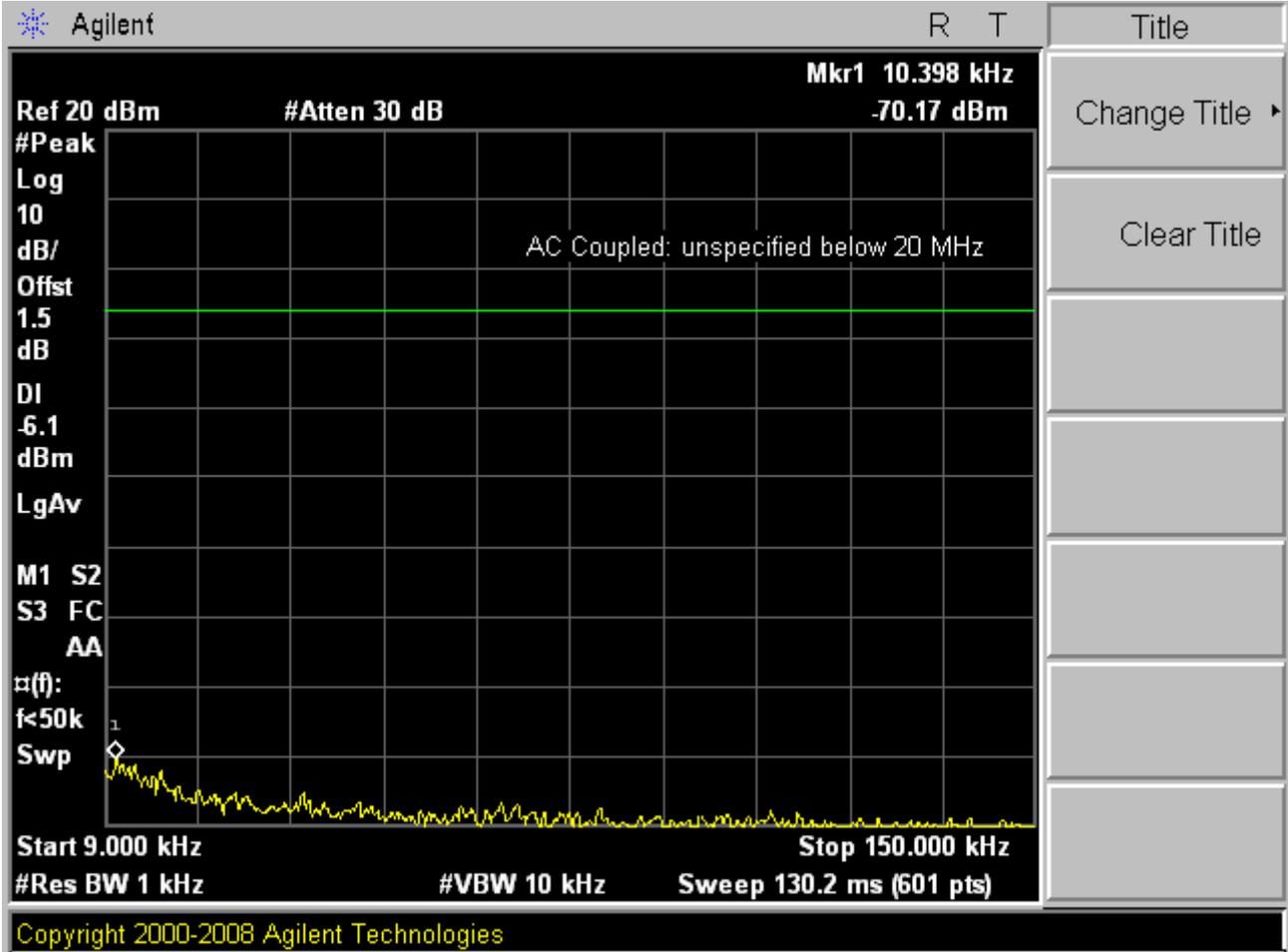
## **Appendix D**

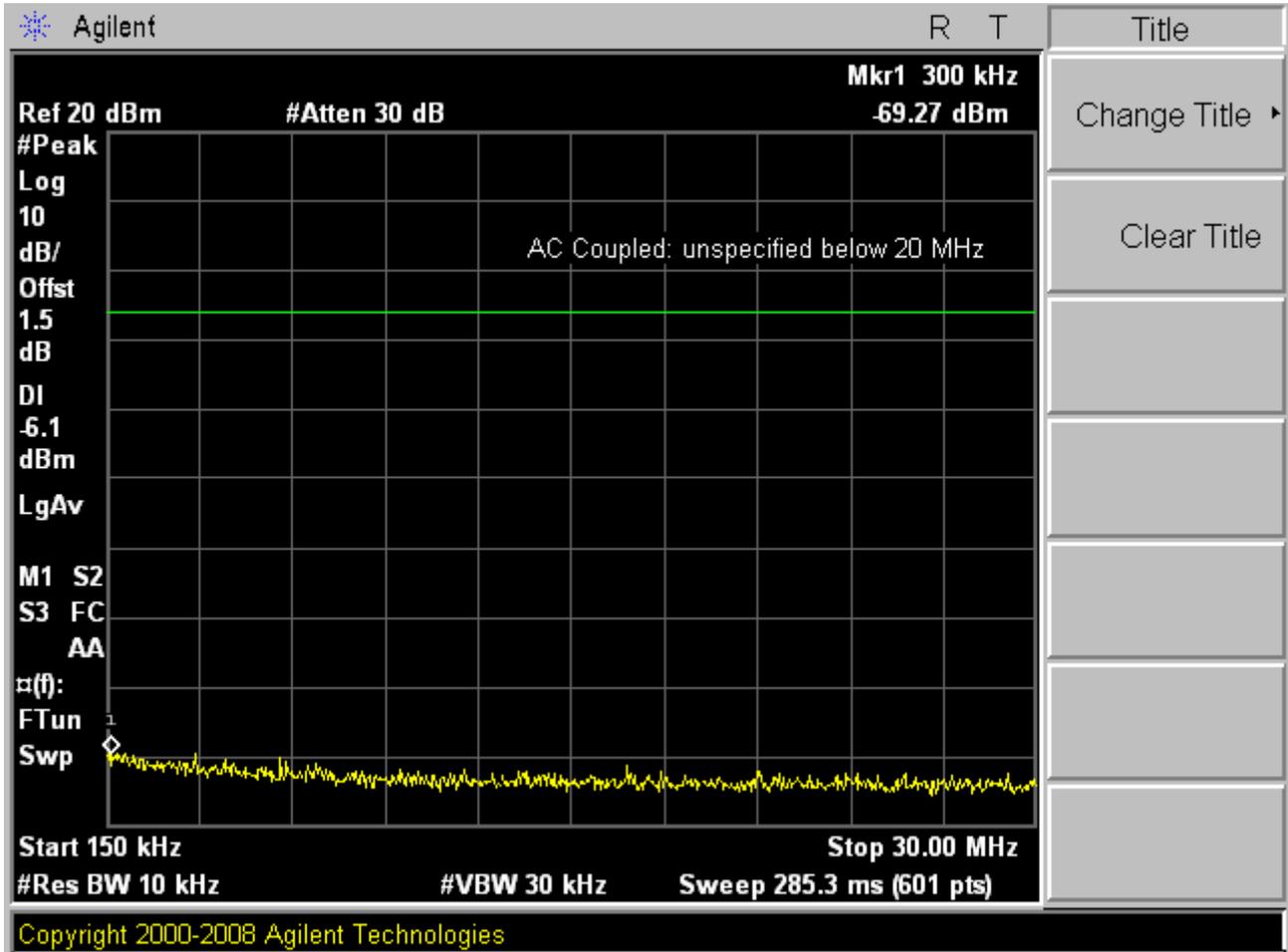
# Conducted RF spurious

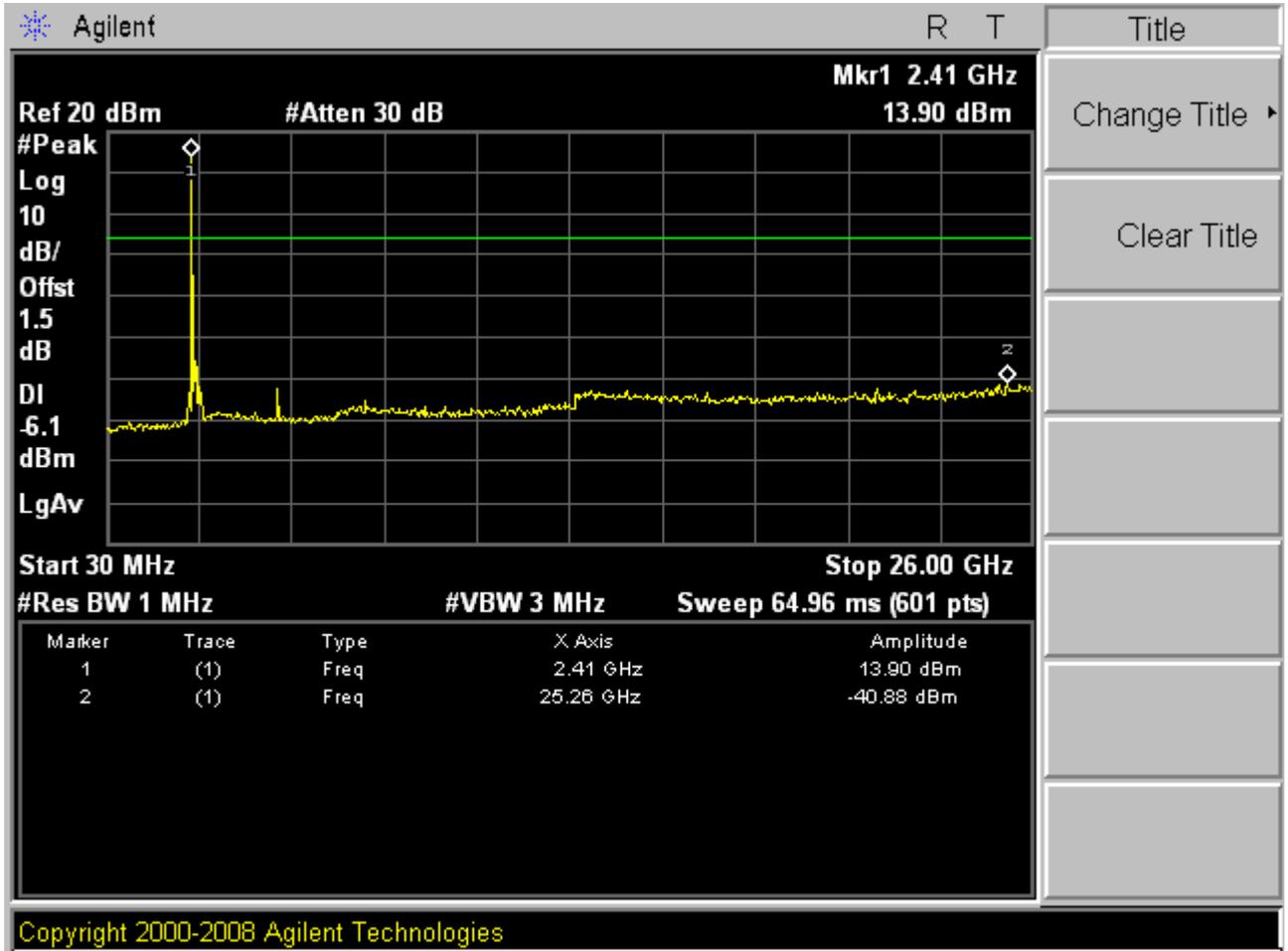
According to FCC Part 15.247 (d)



# TM1 Channel 1

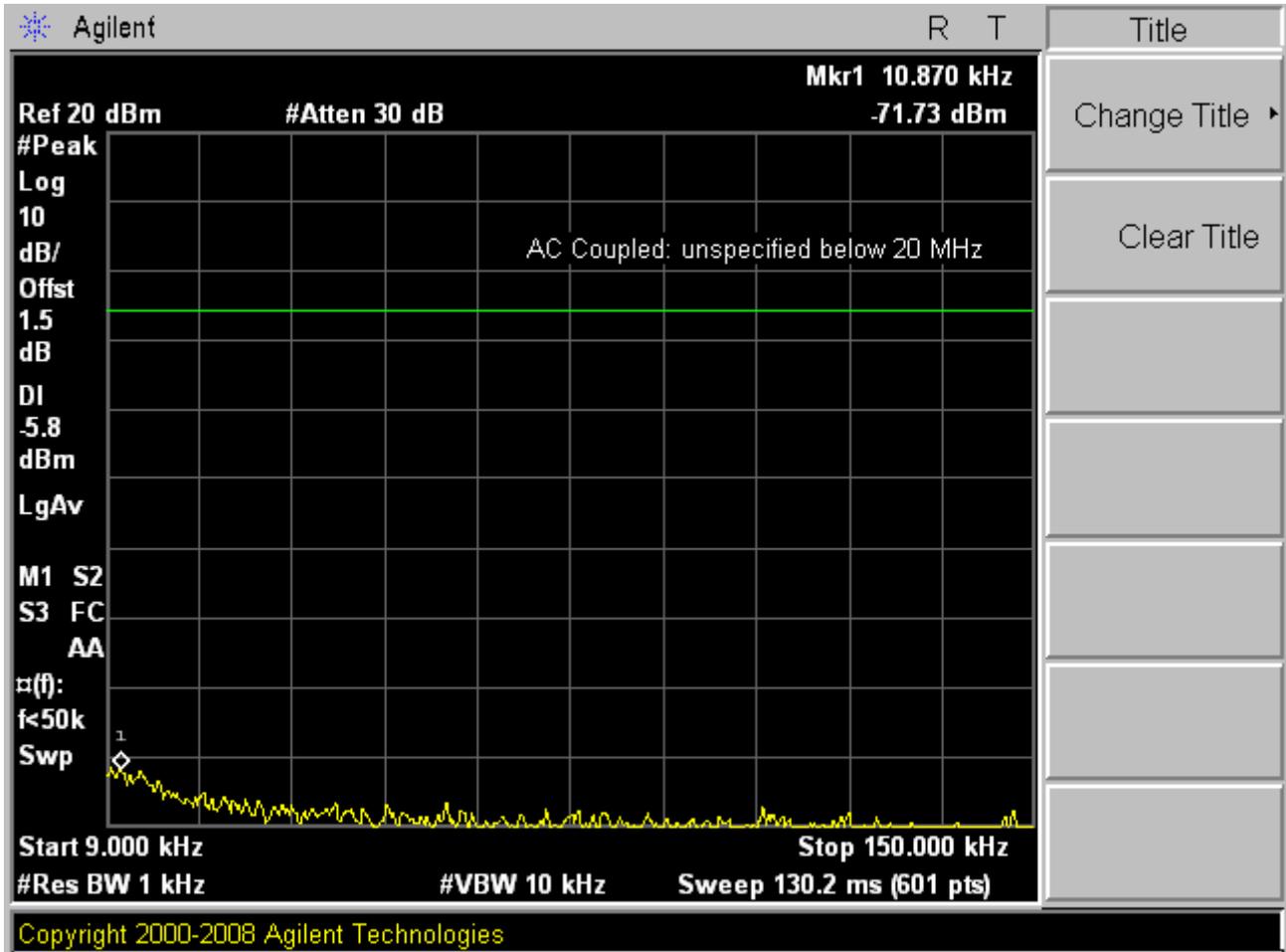


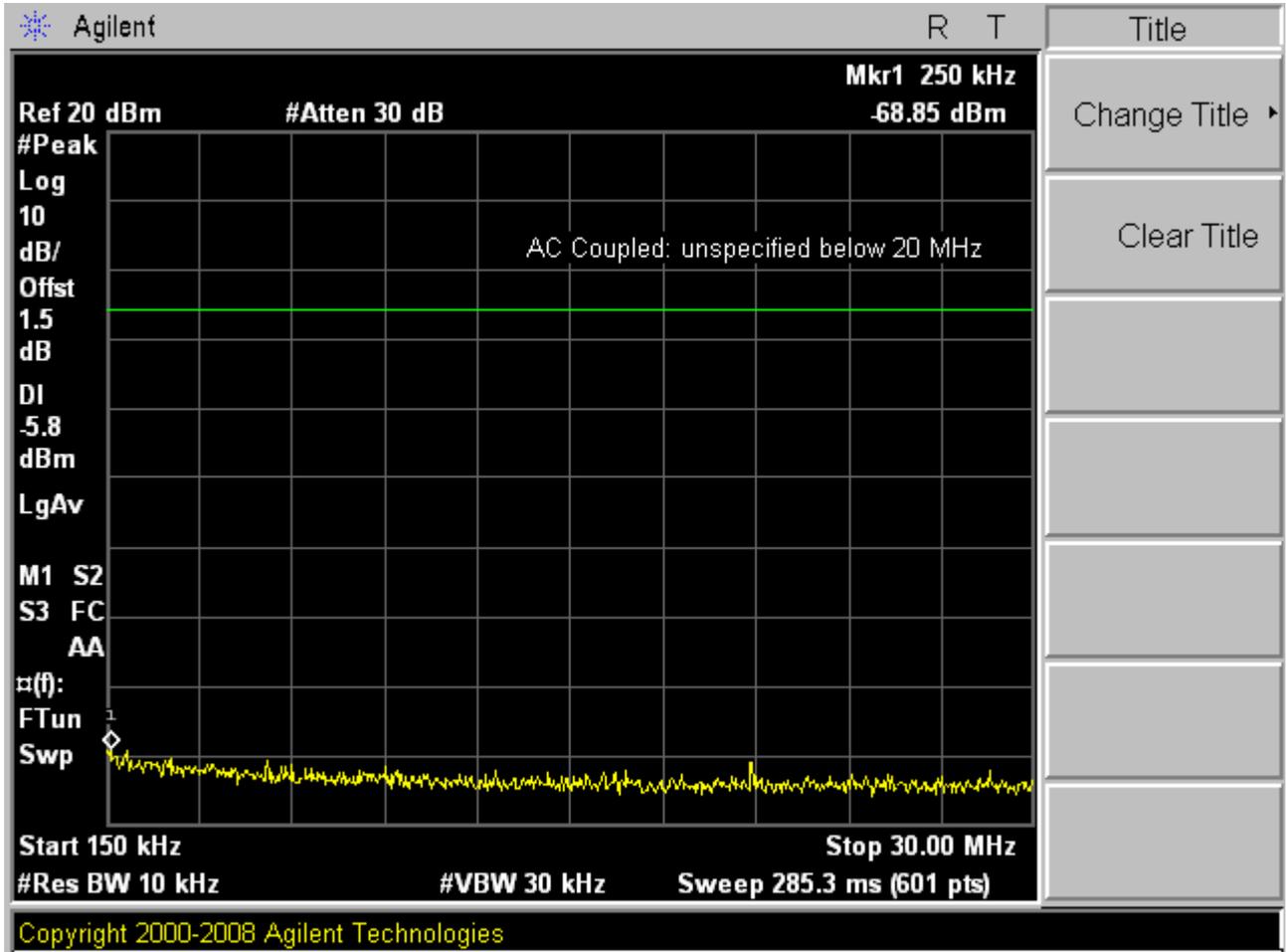


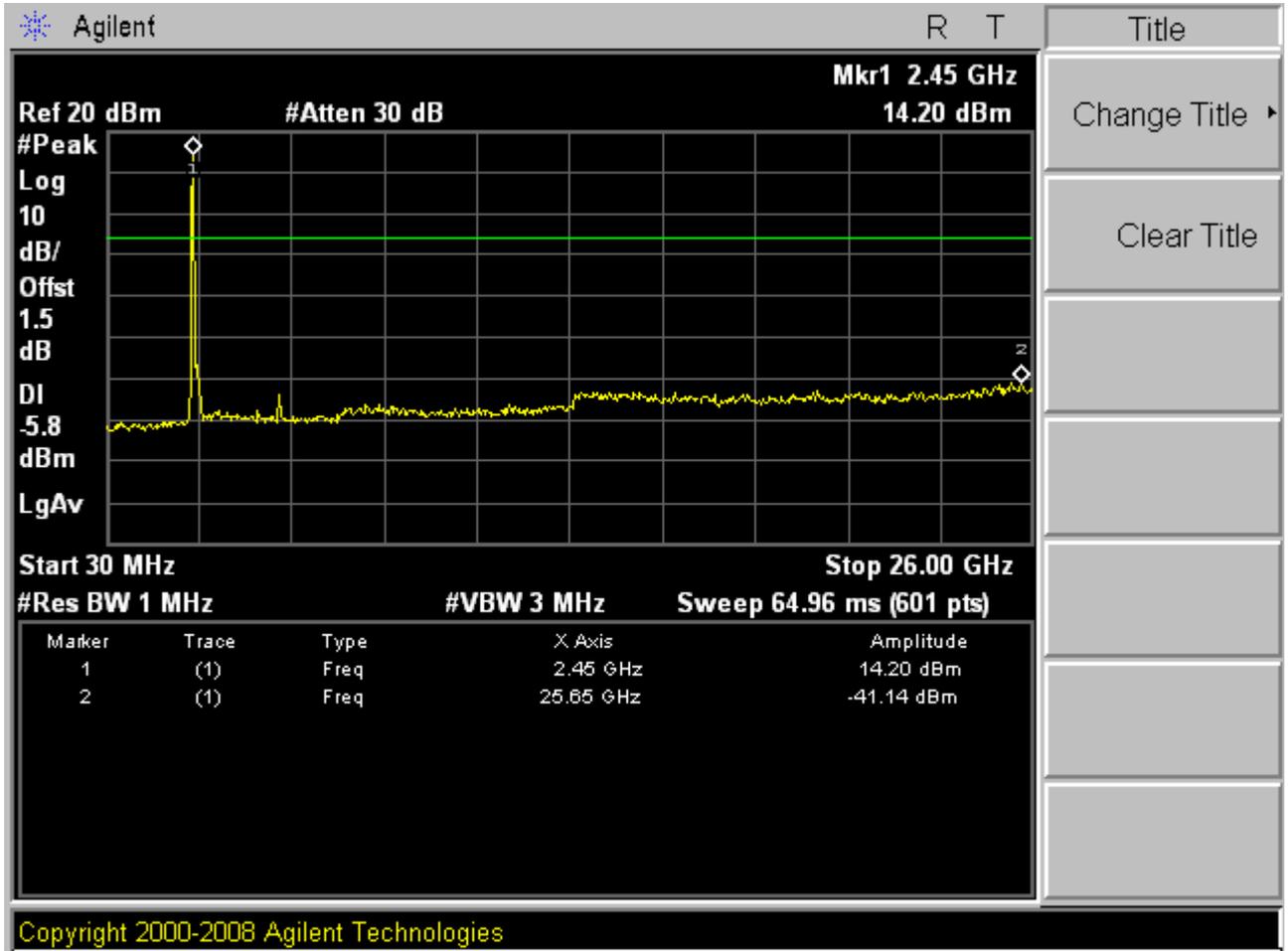




# Channel 6

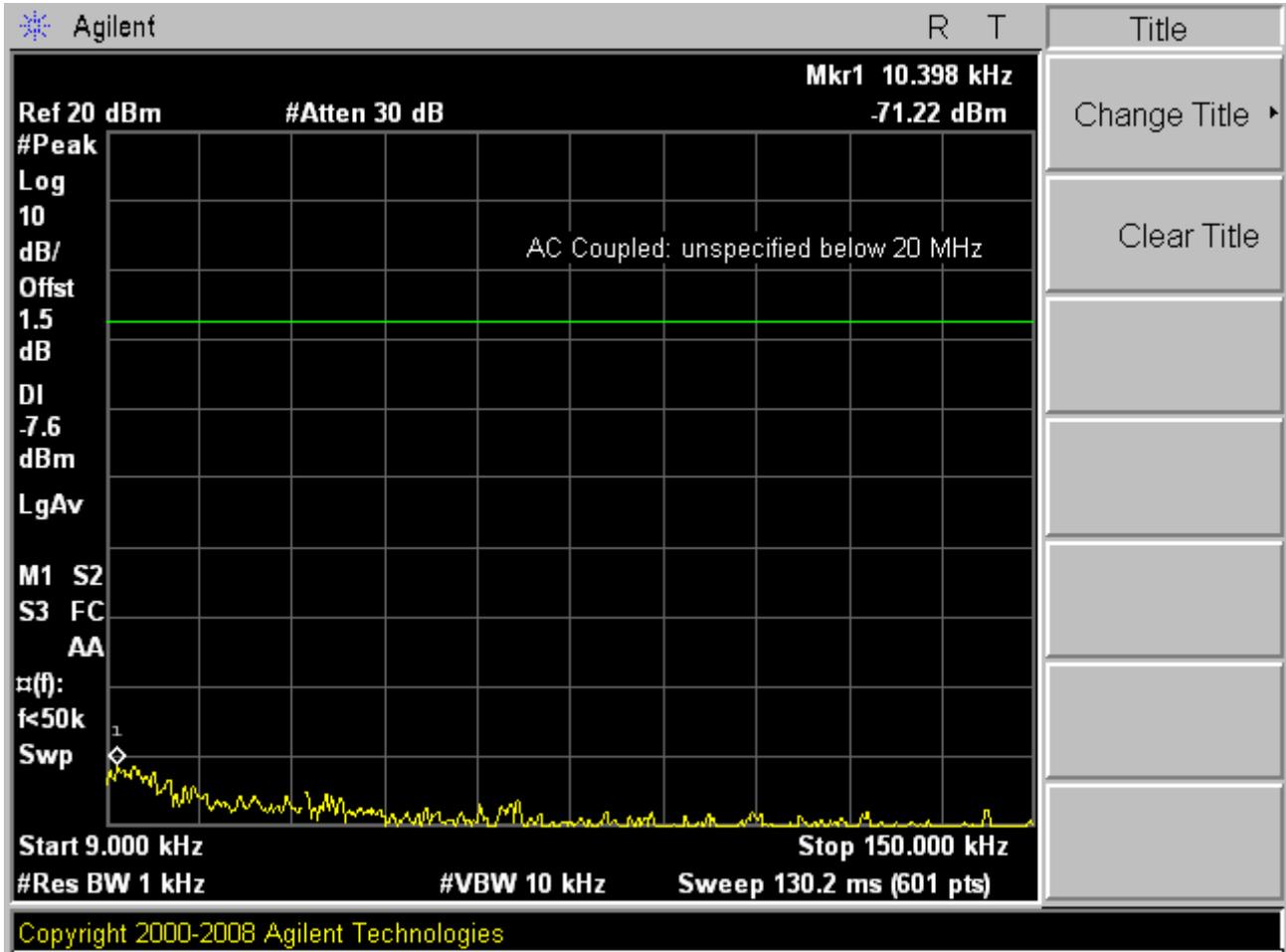


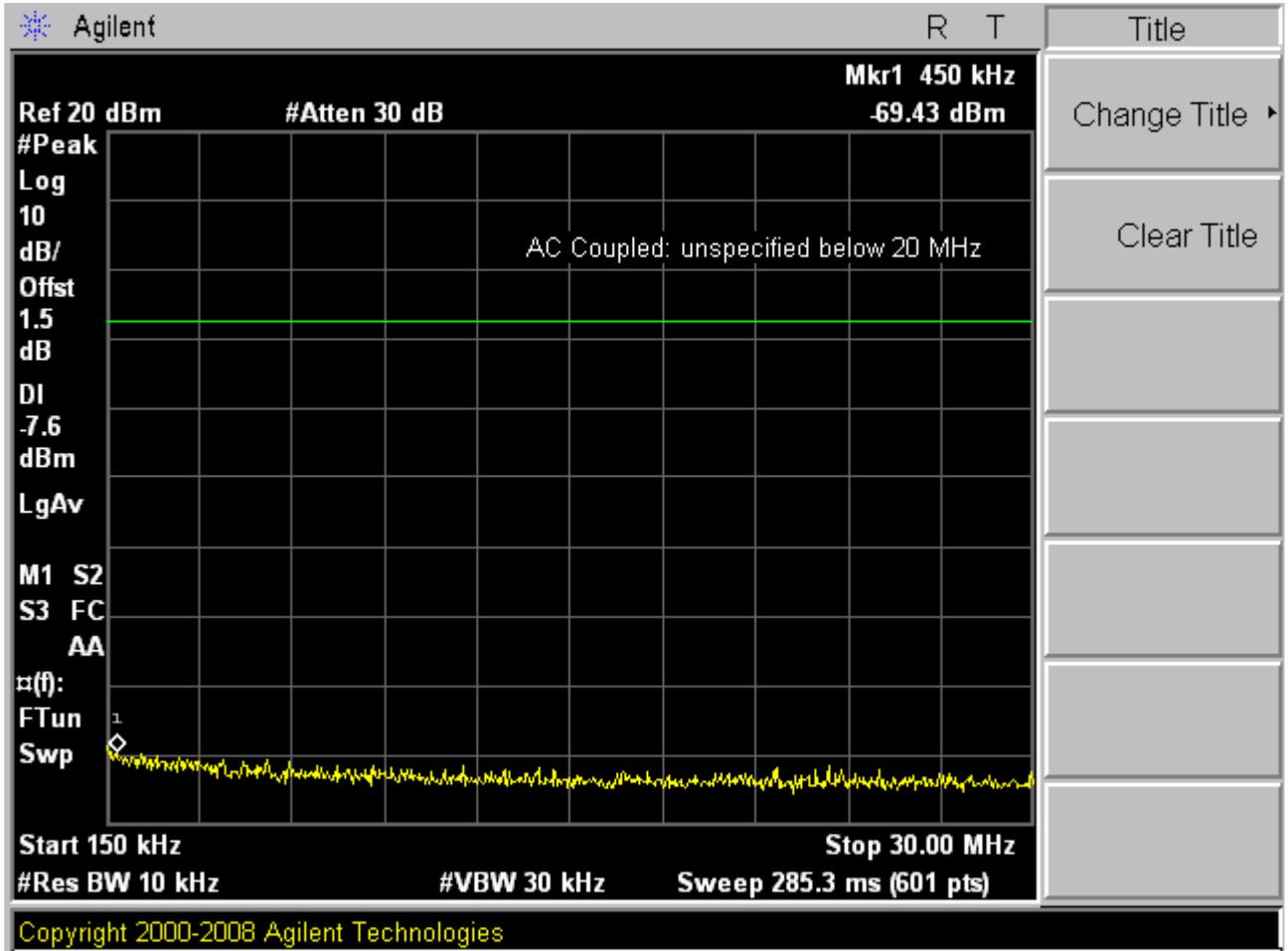


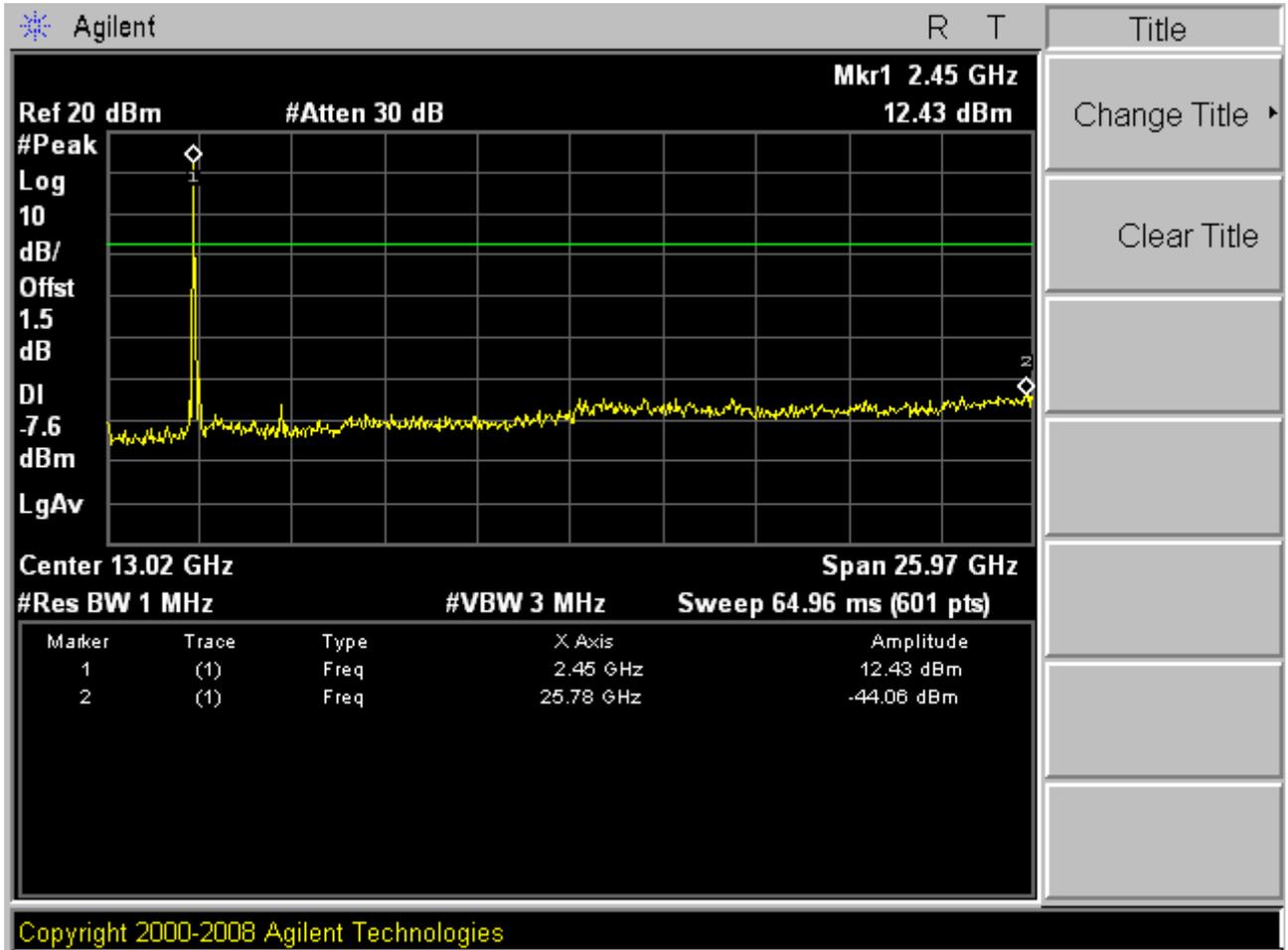




# Channel 11

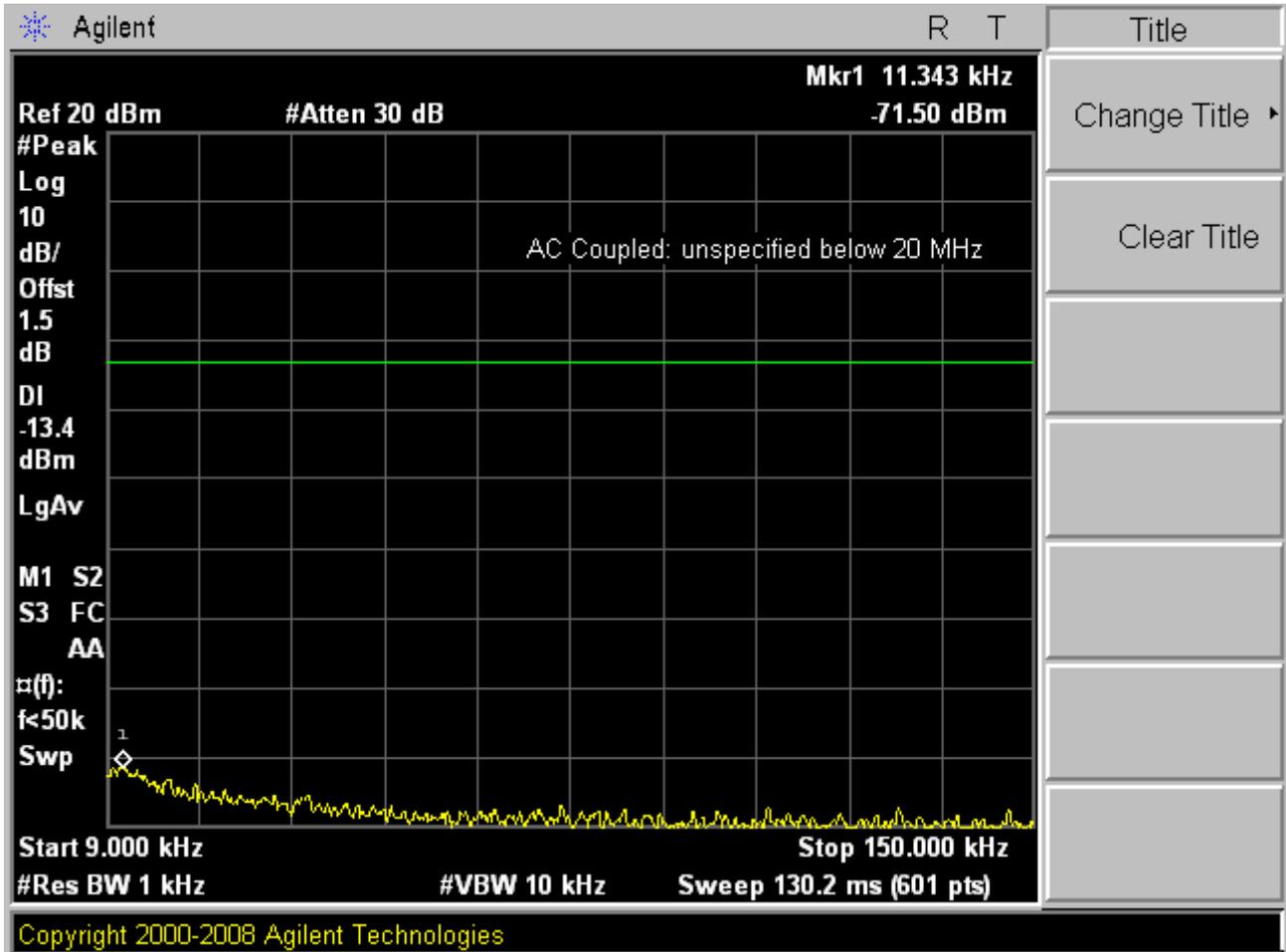


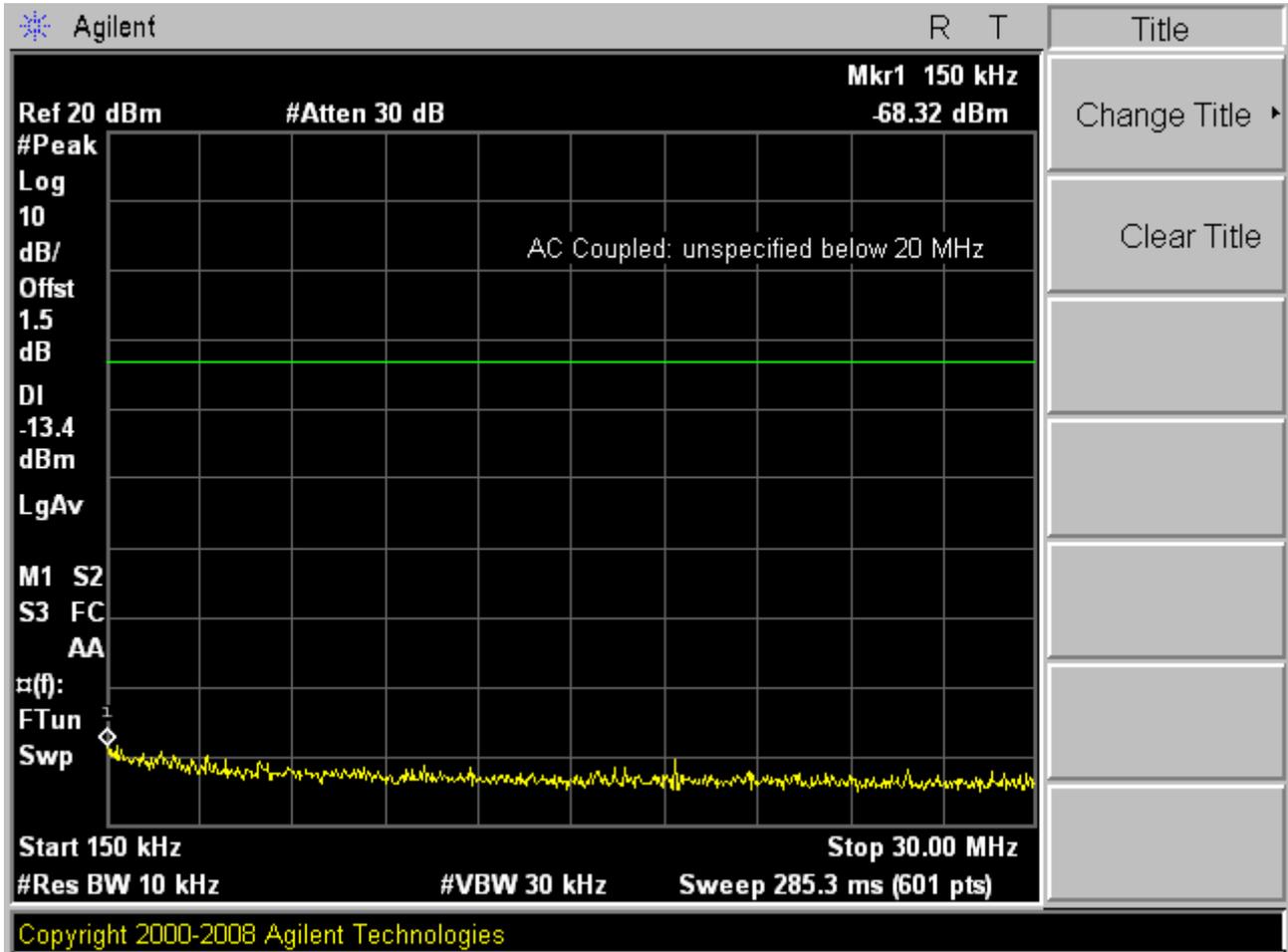


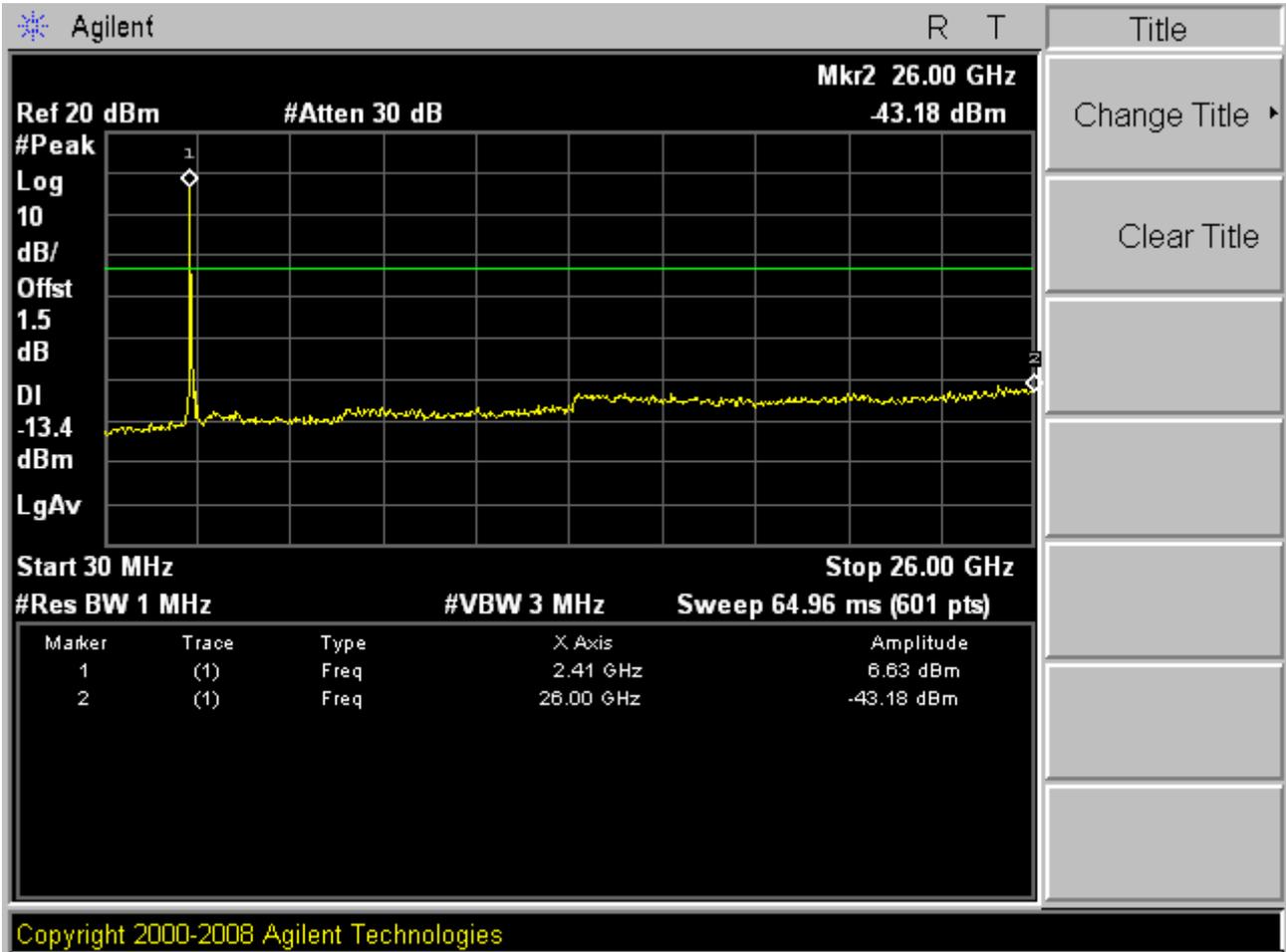




# TM2 Channel 1

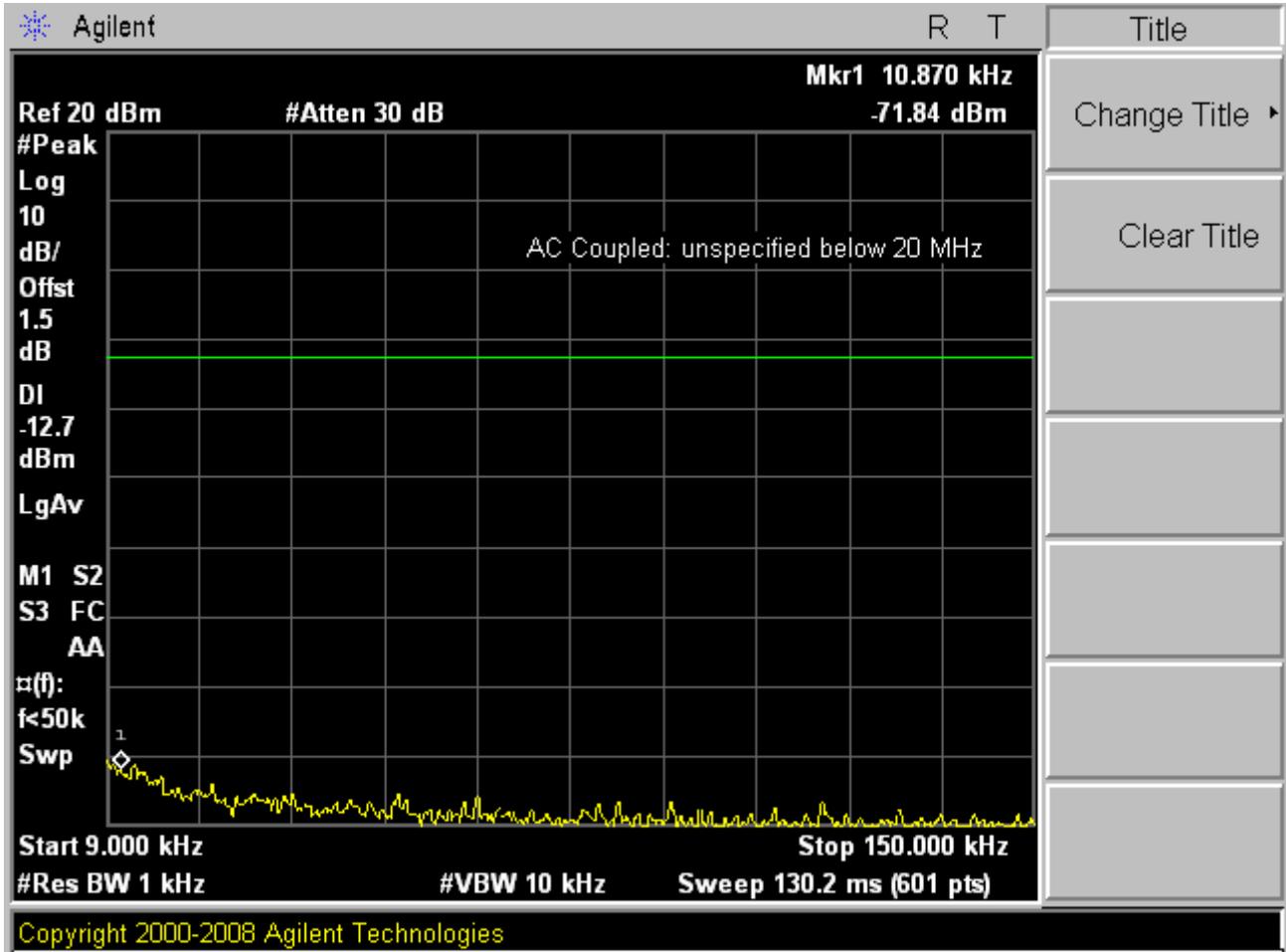


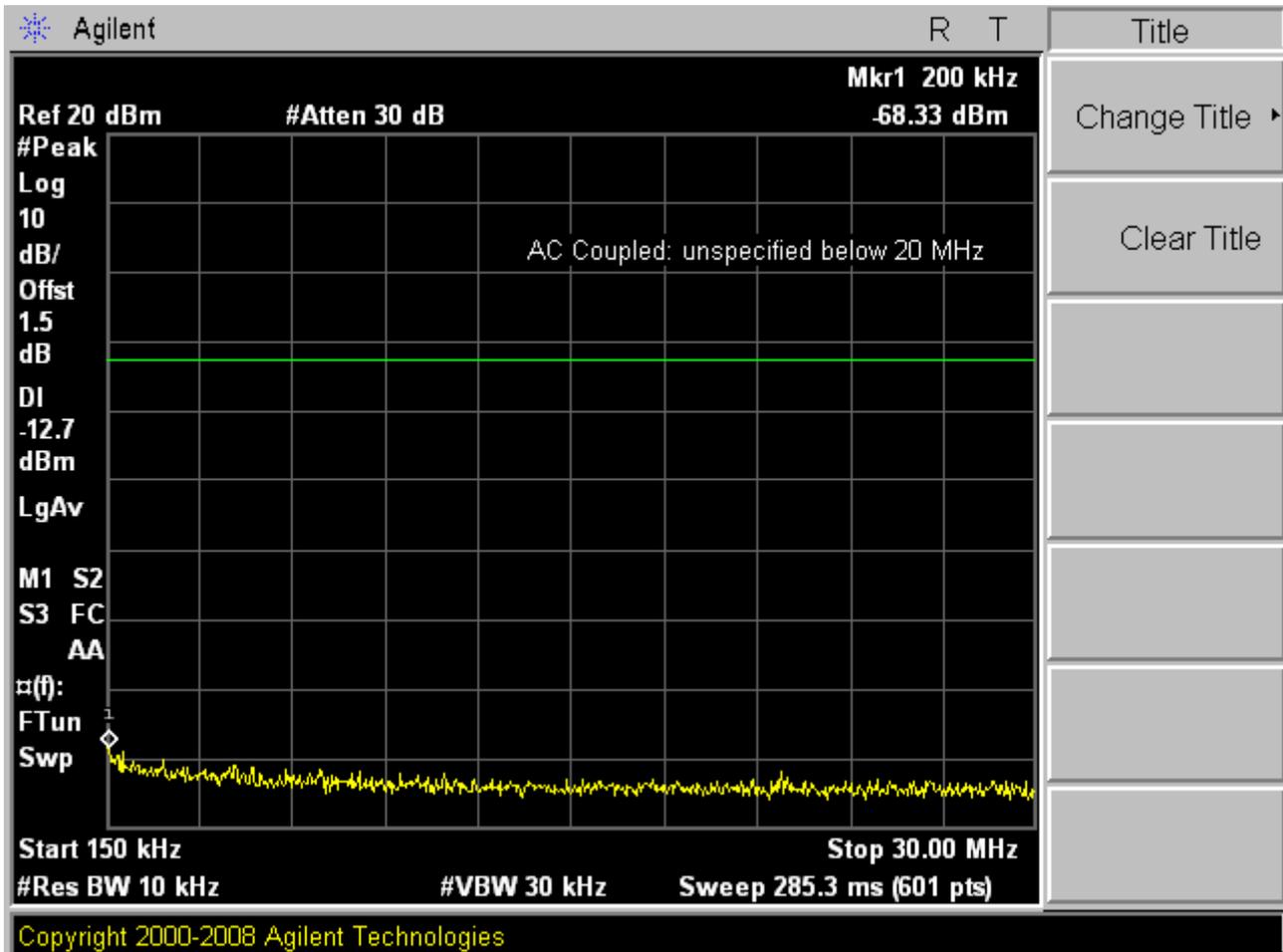


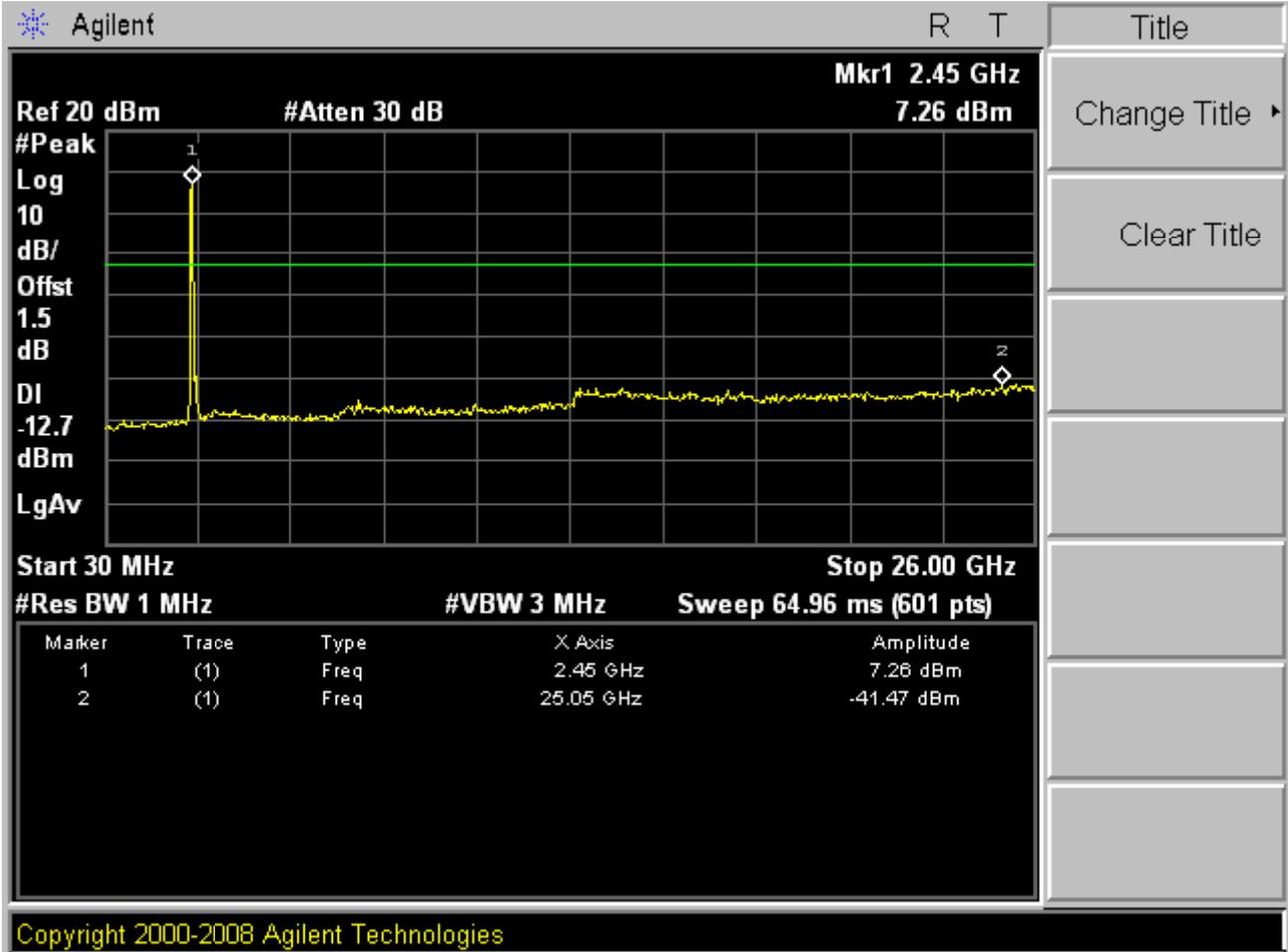




# Channel 6

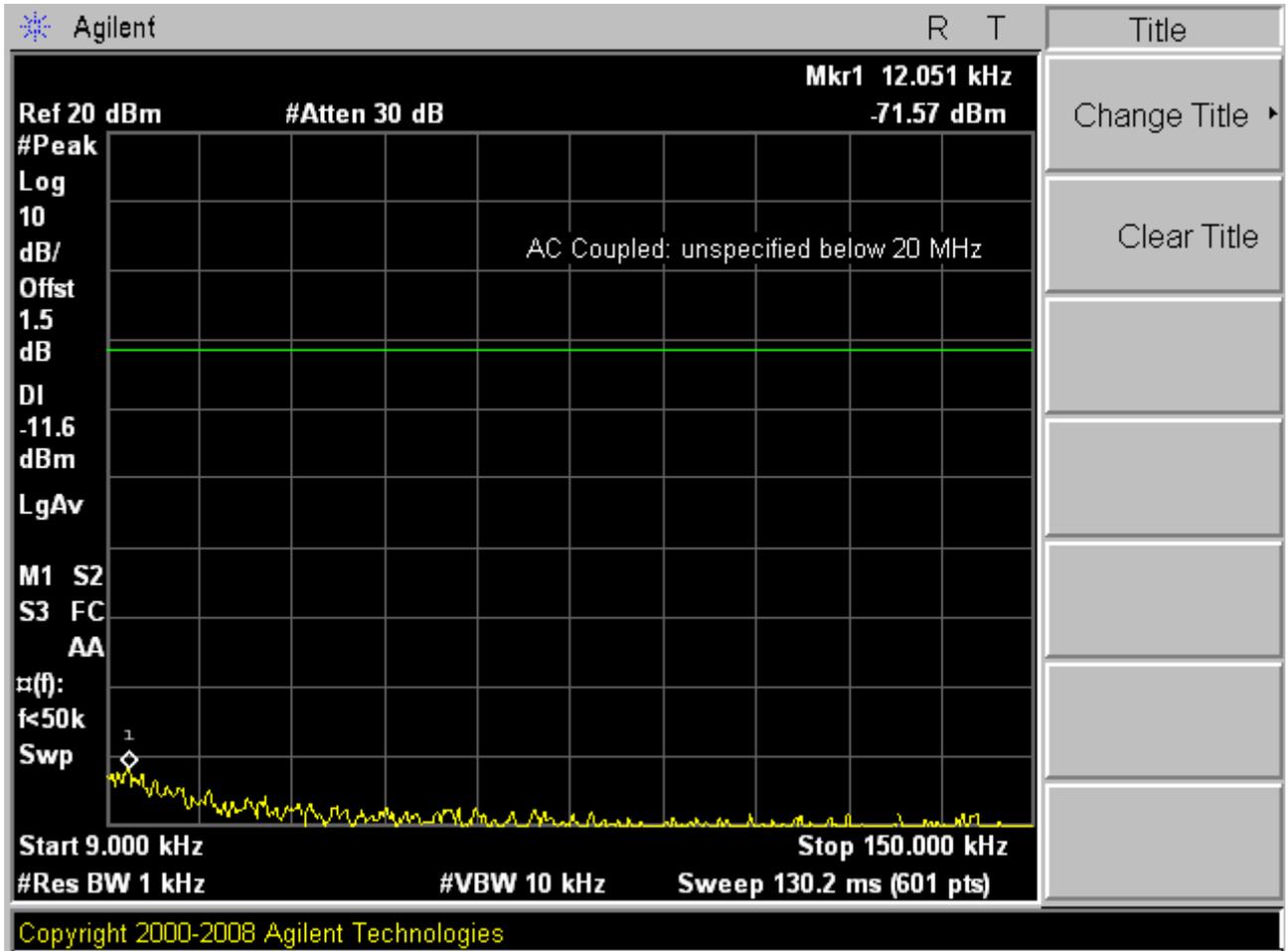


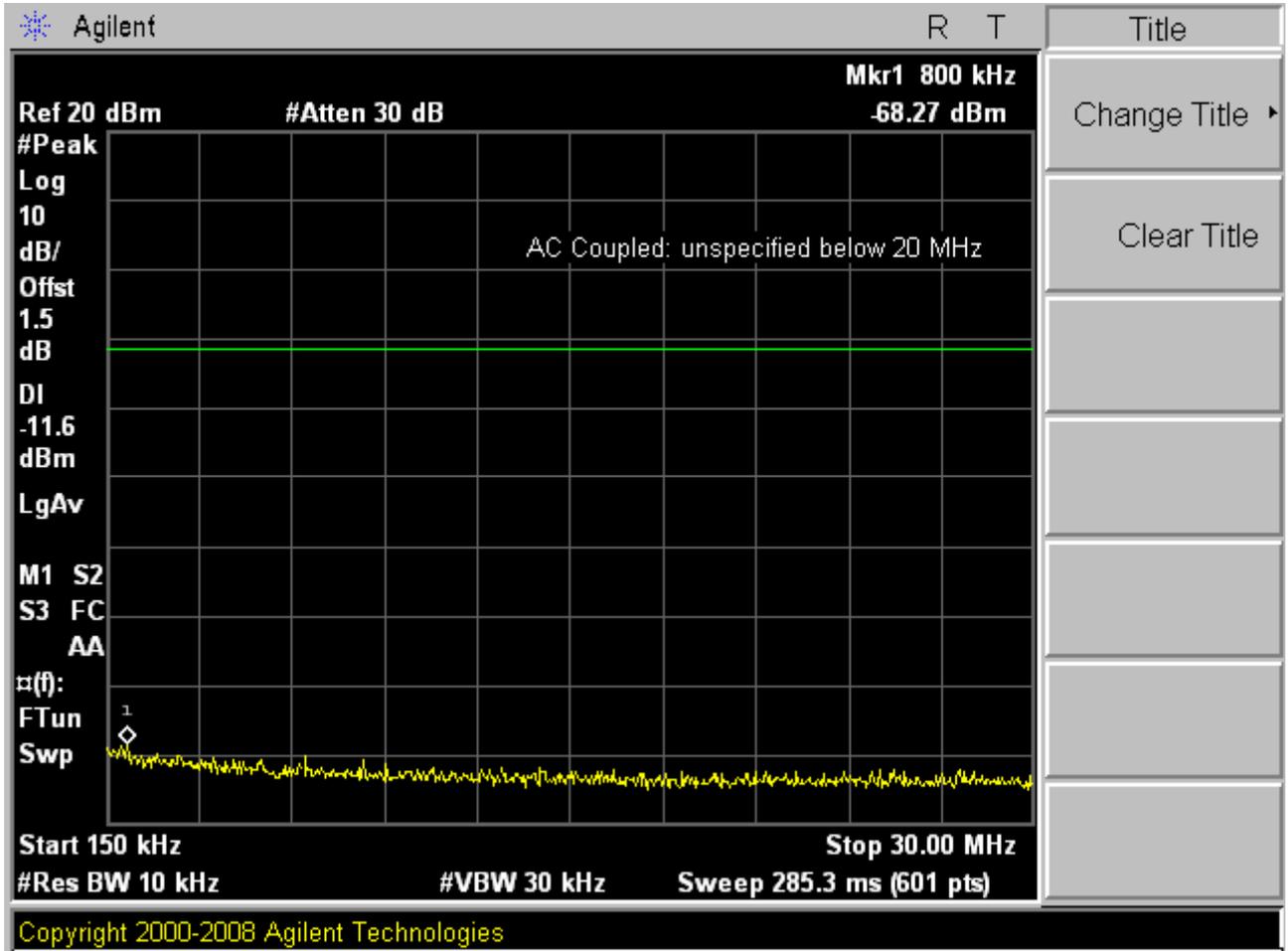


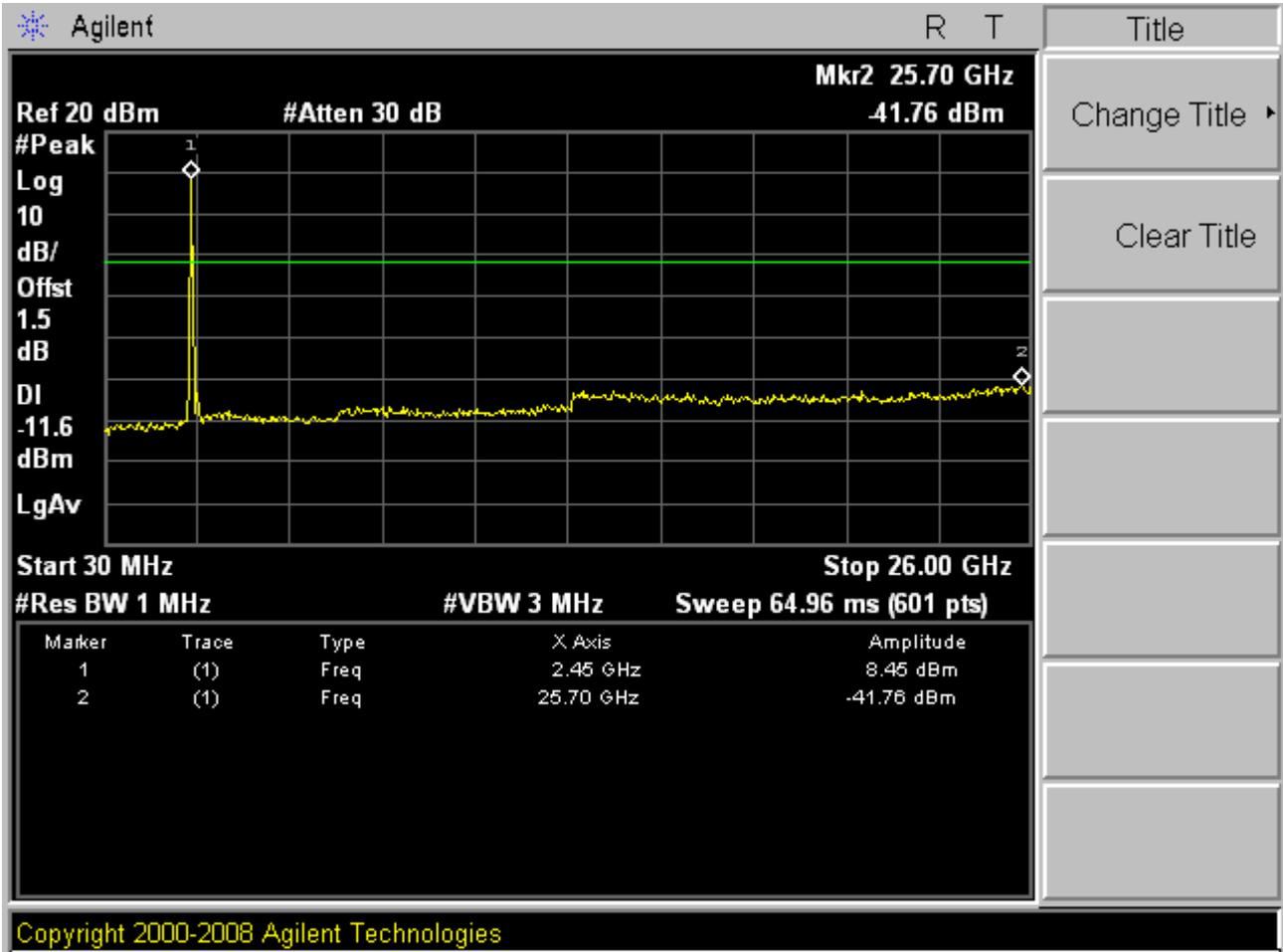




# Channel 11

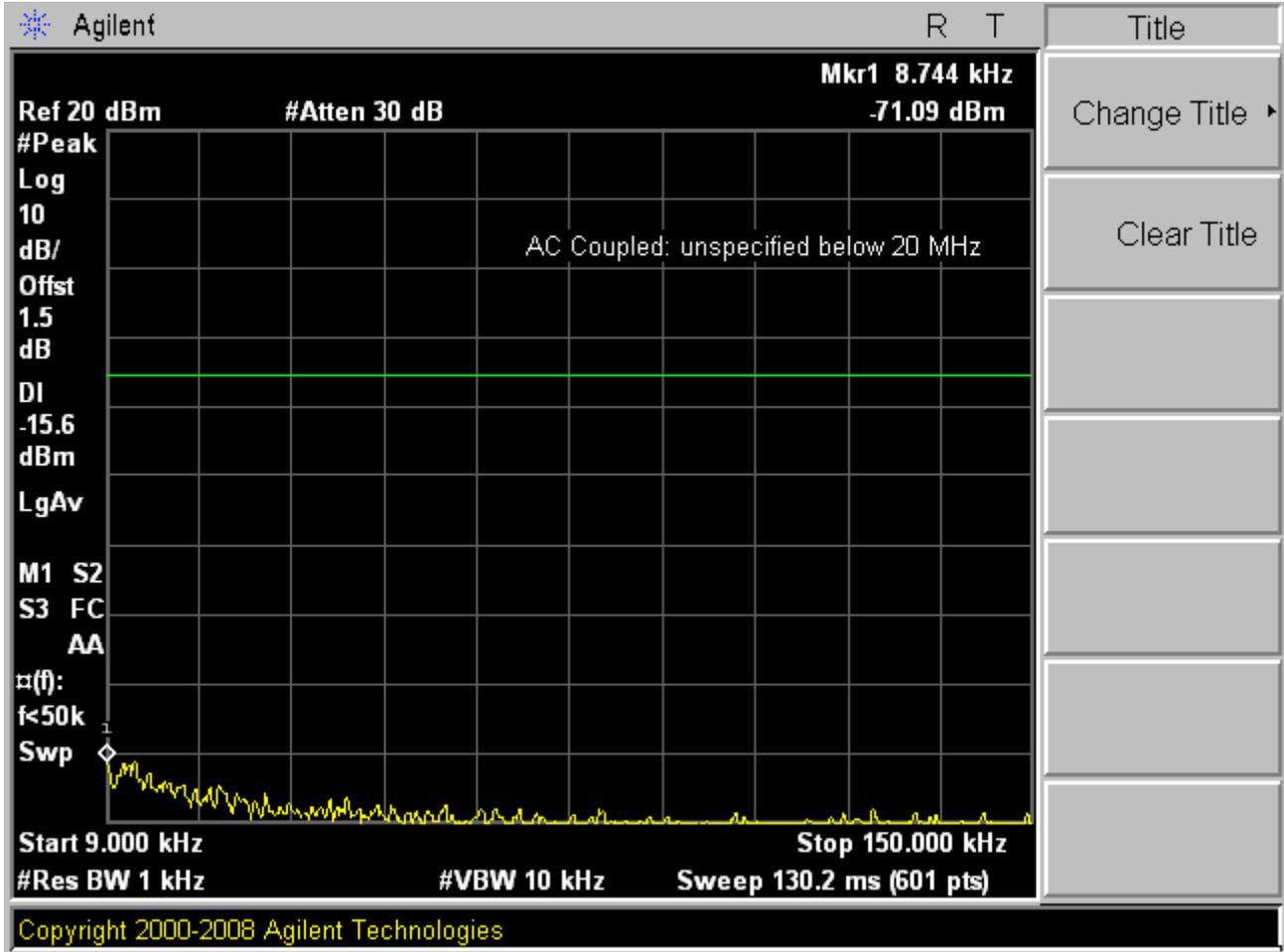


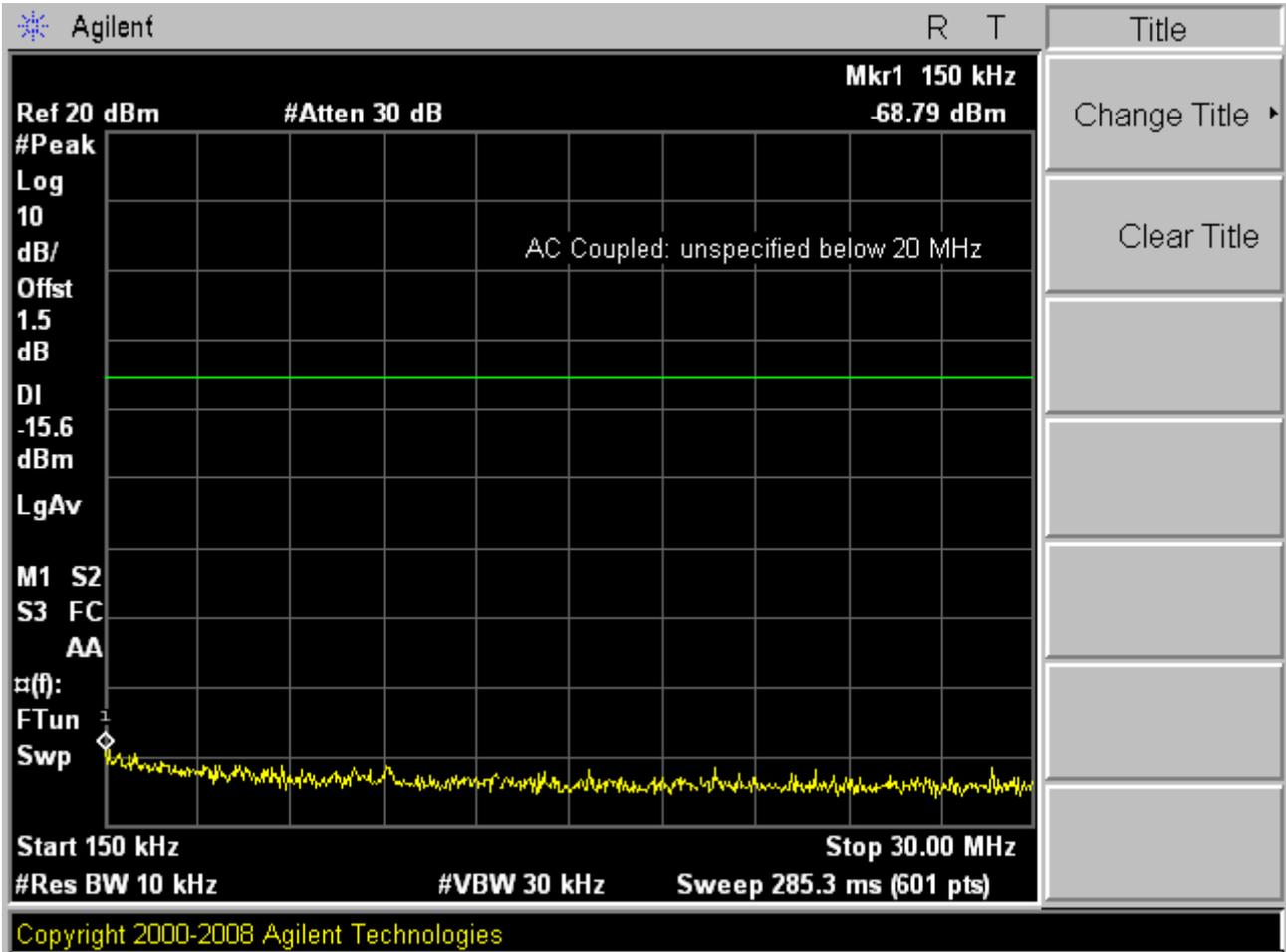


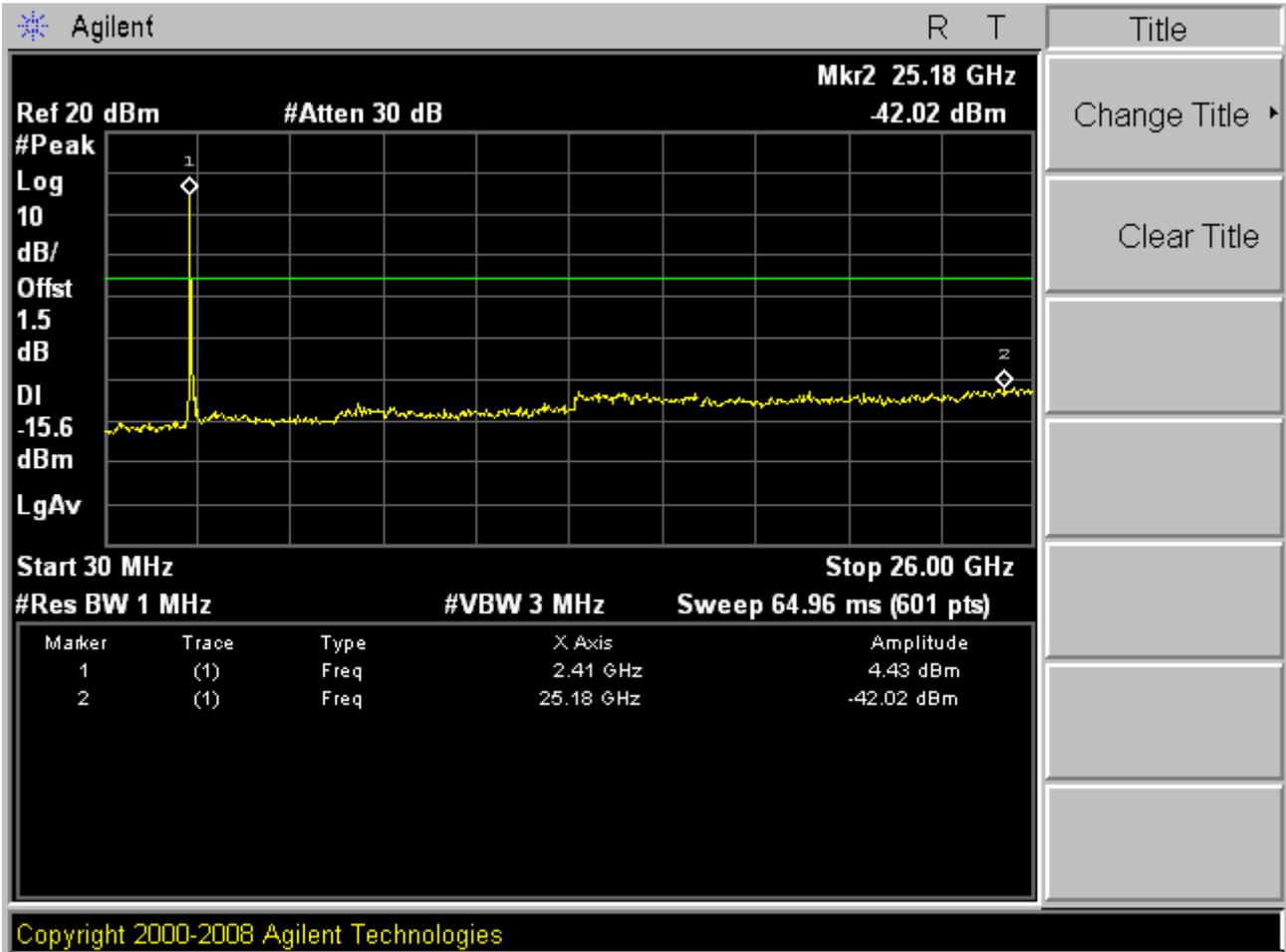




# TM3 Channel 1

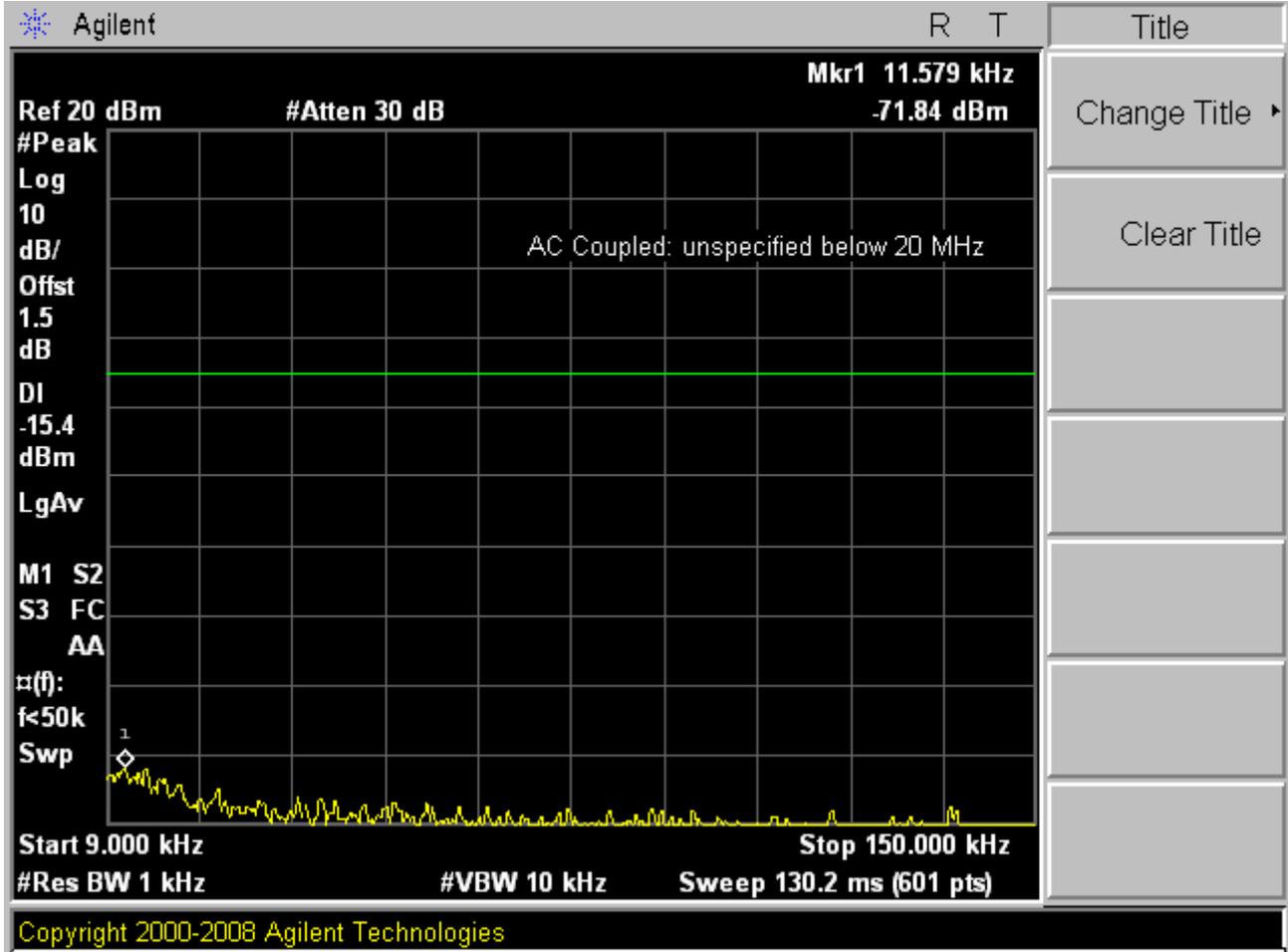


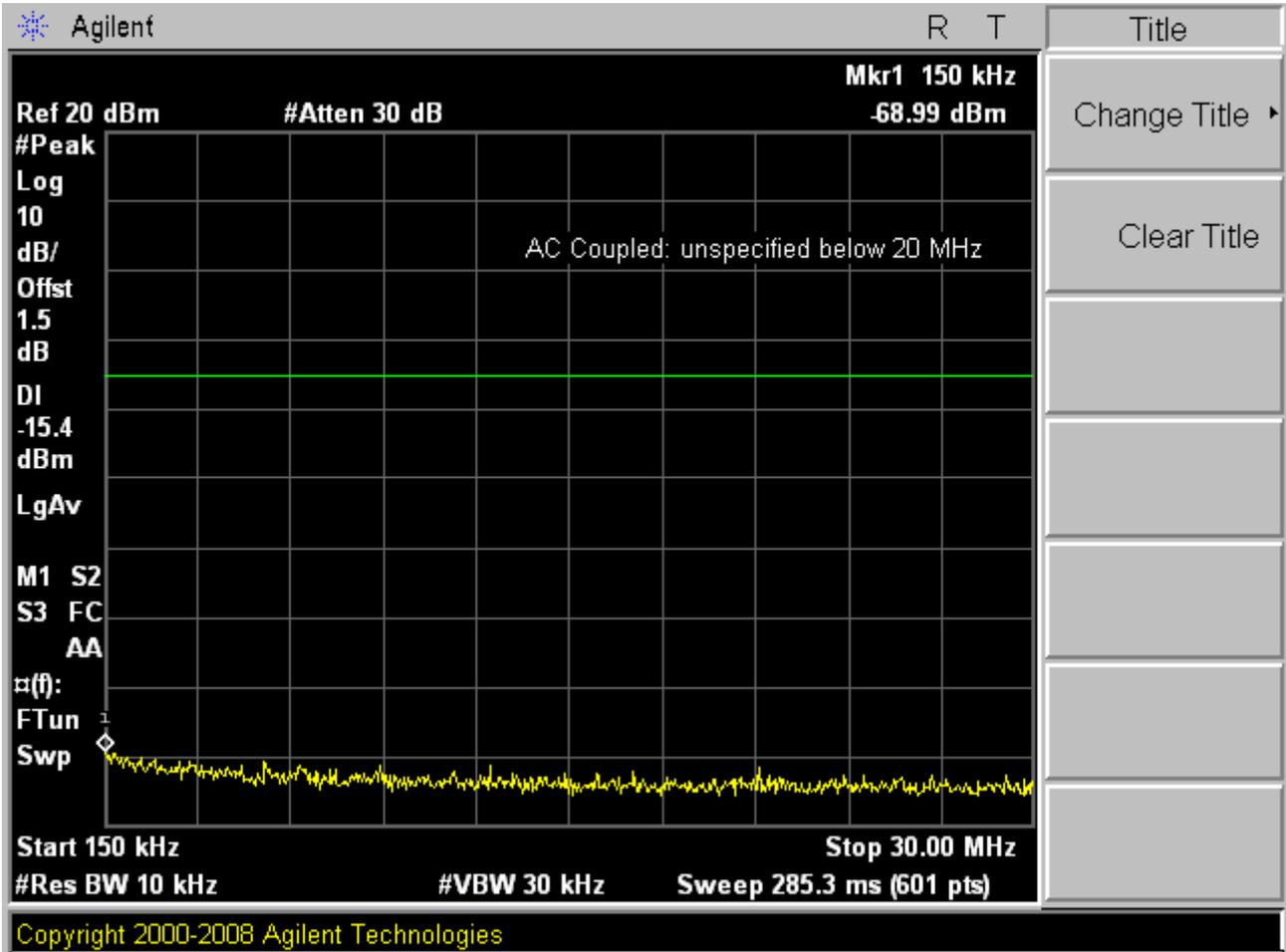


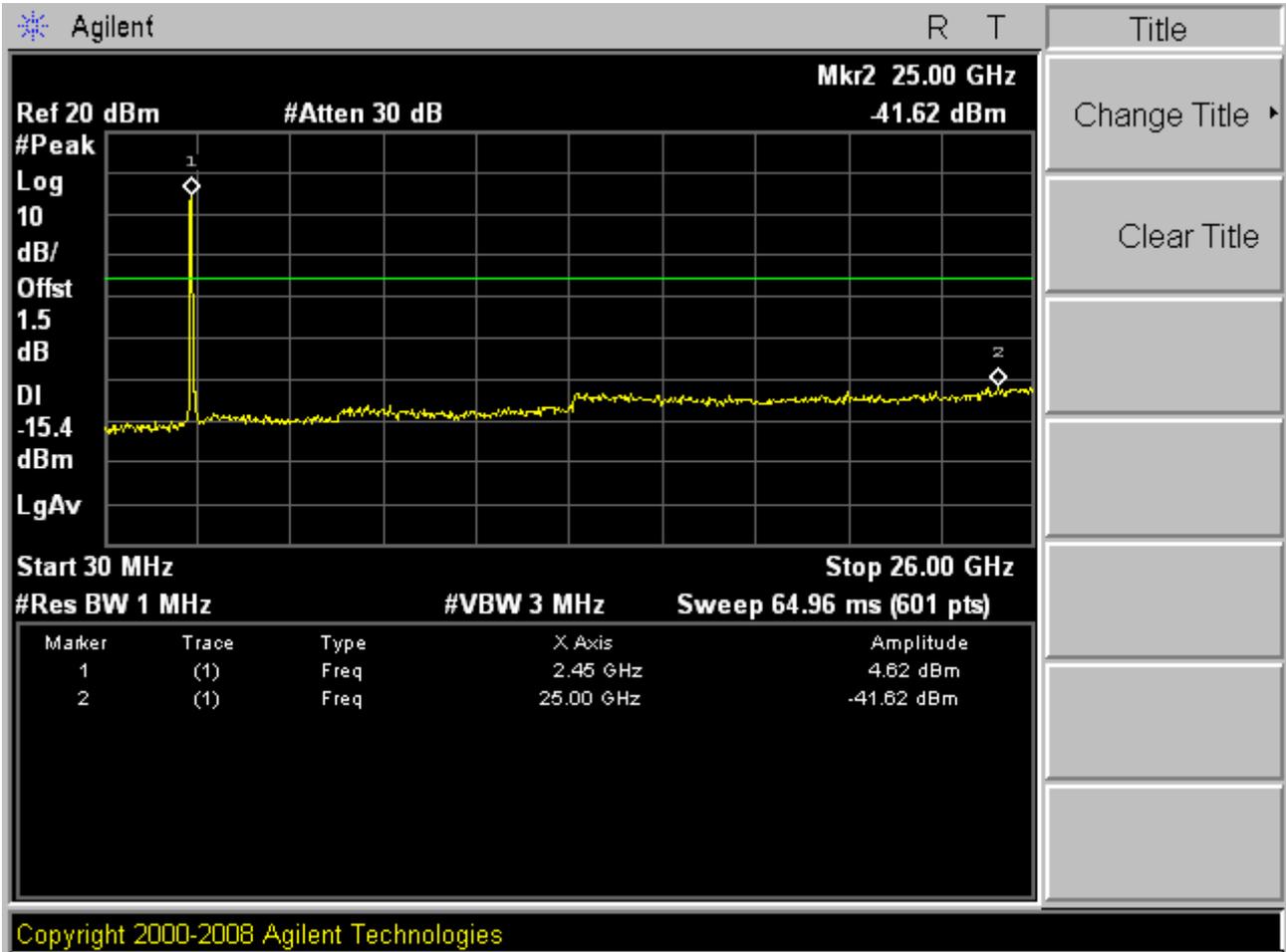


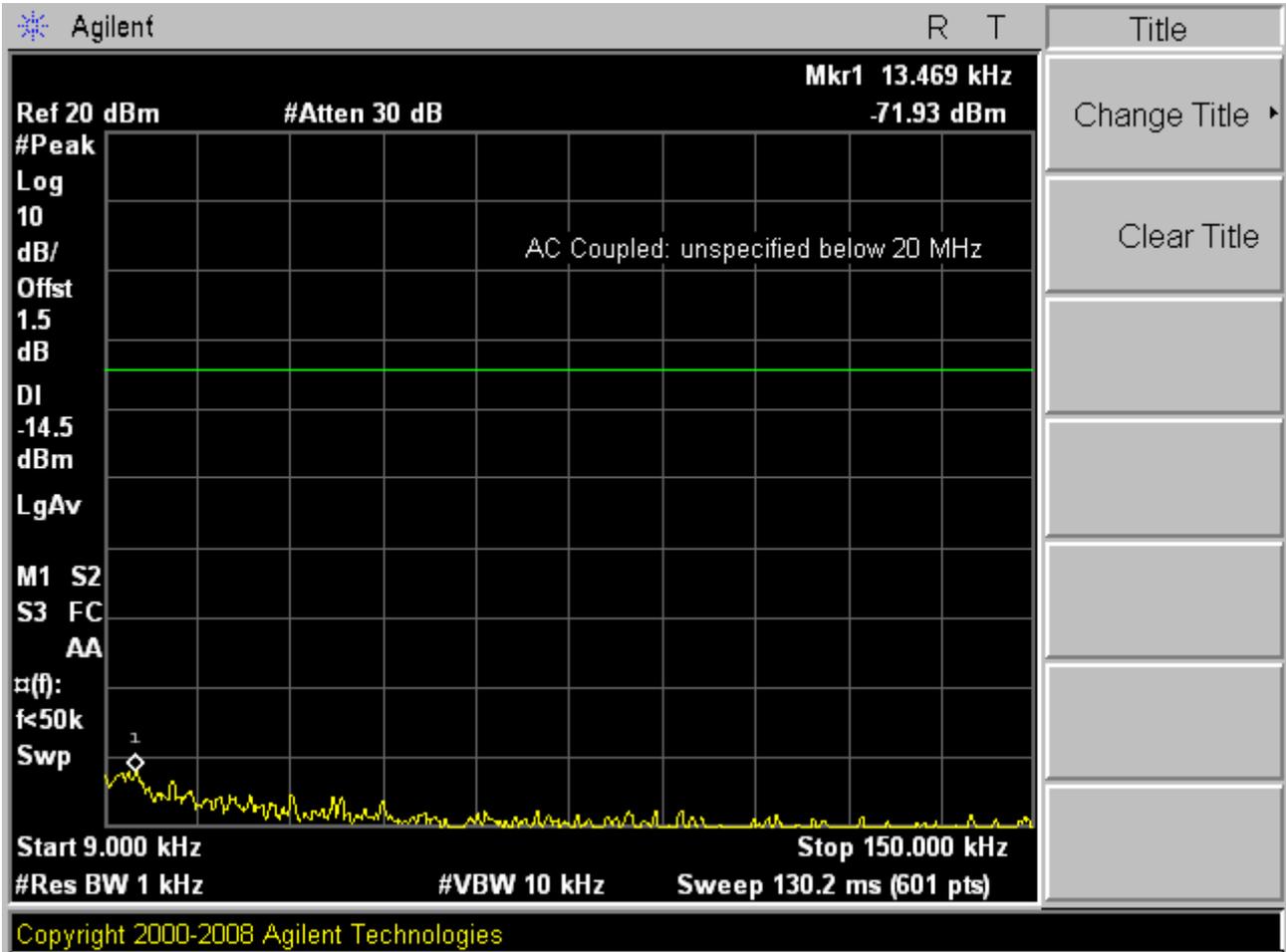


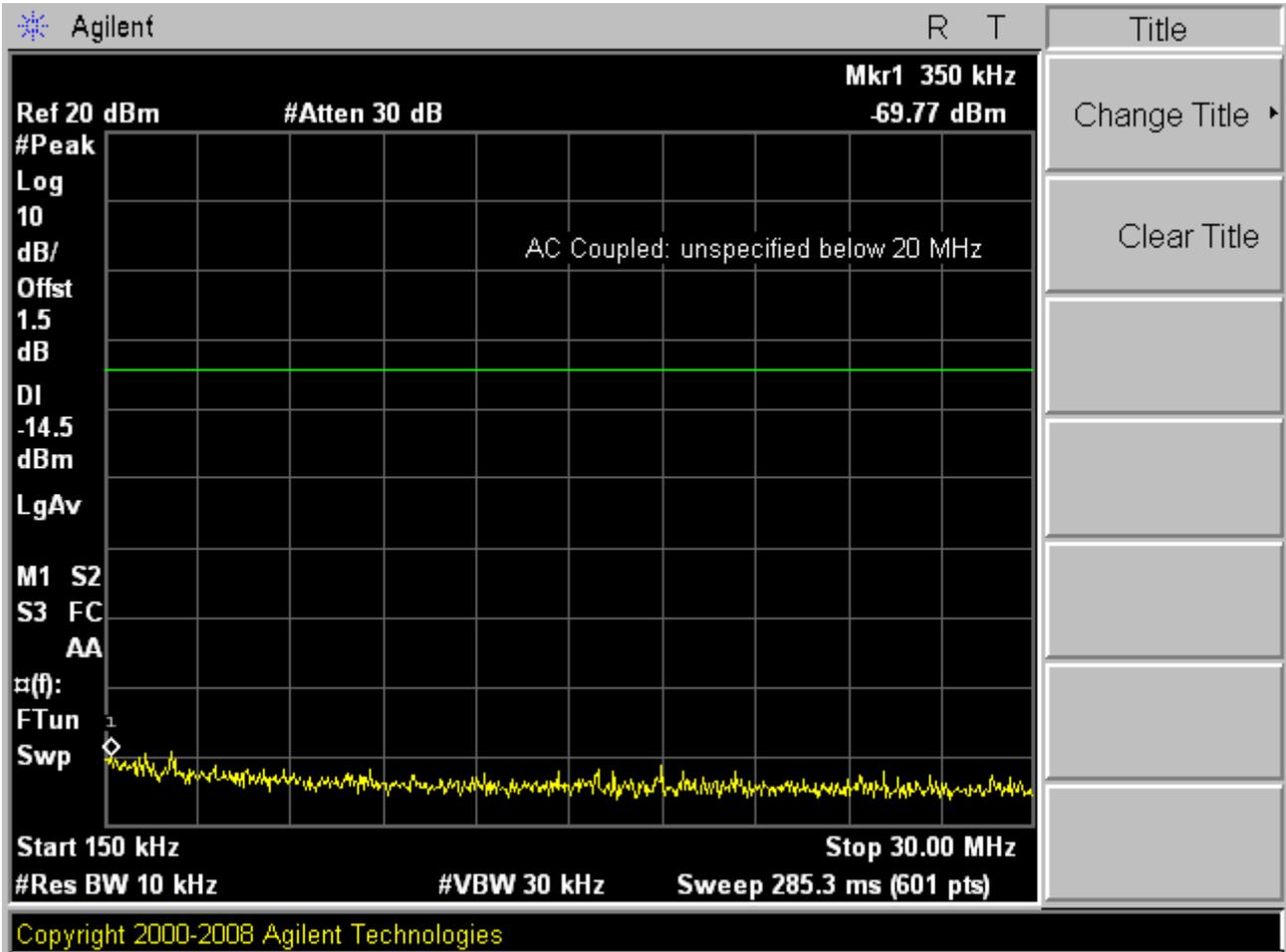
# Channel 6

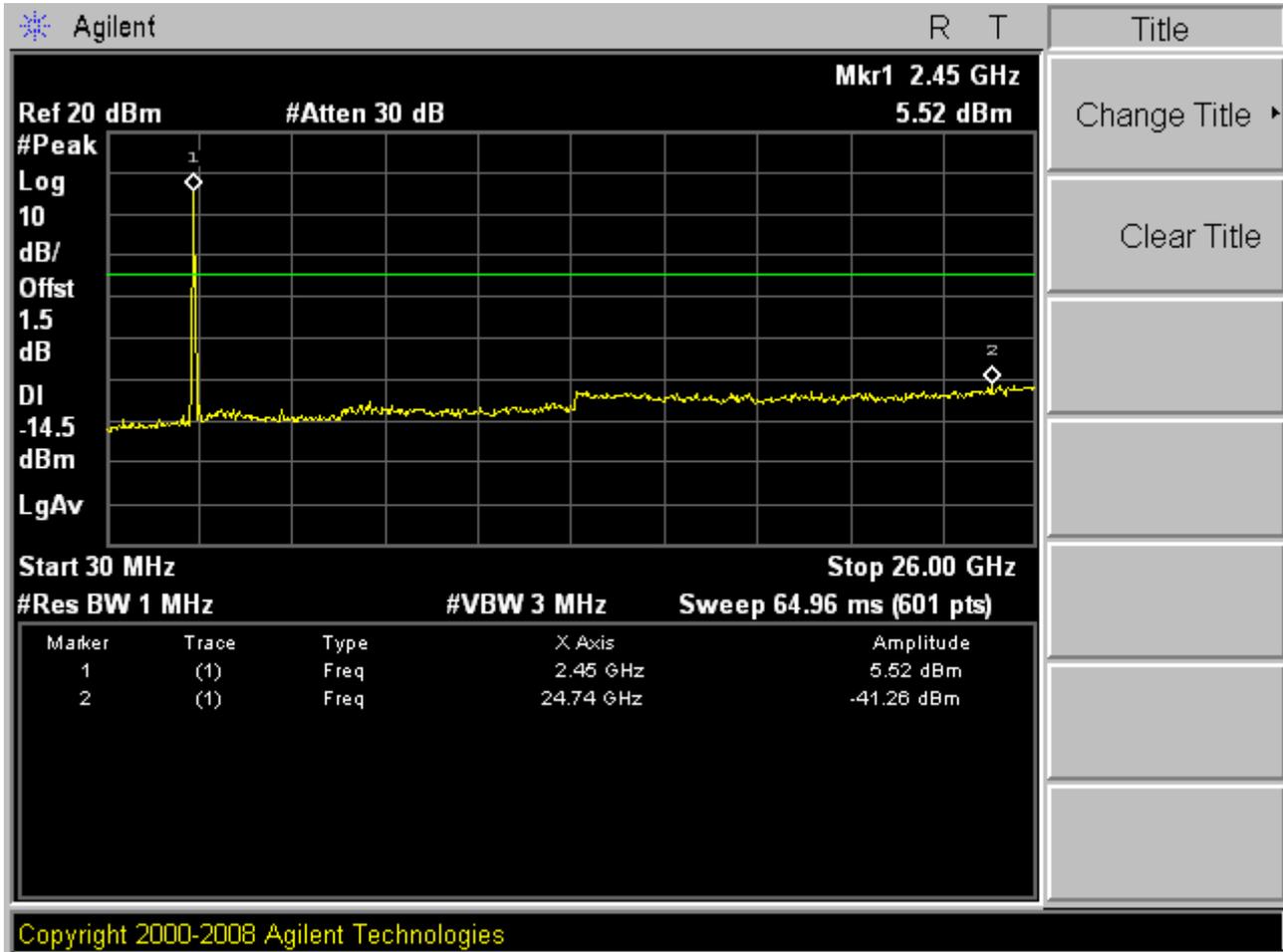














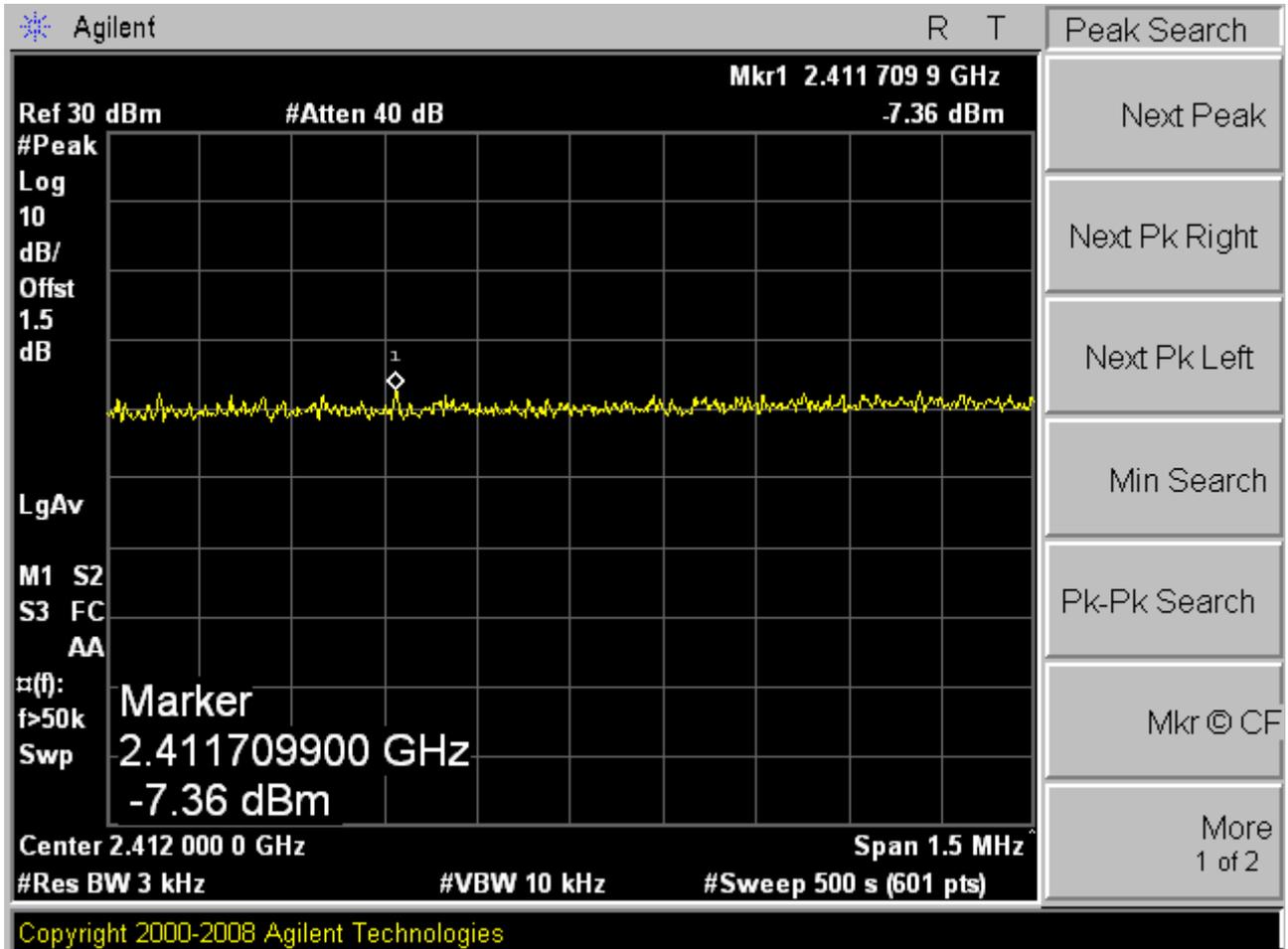
# Appendix E

## Power spectral density

According to FCC Part 15.247 (e)

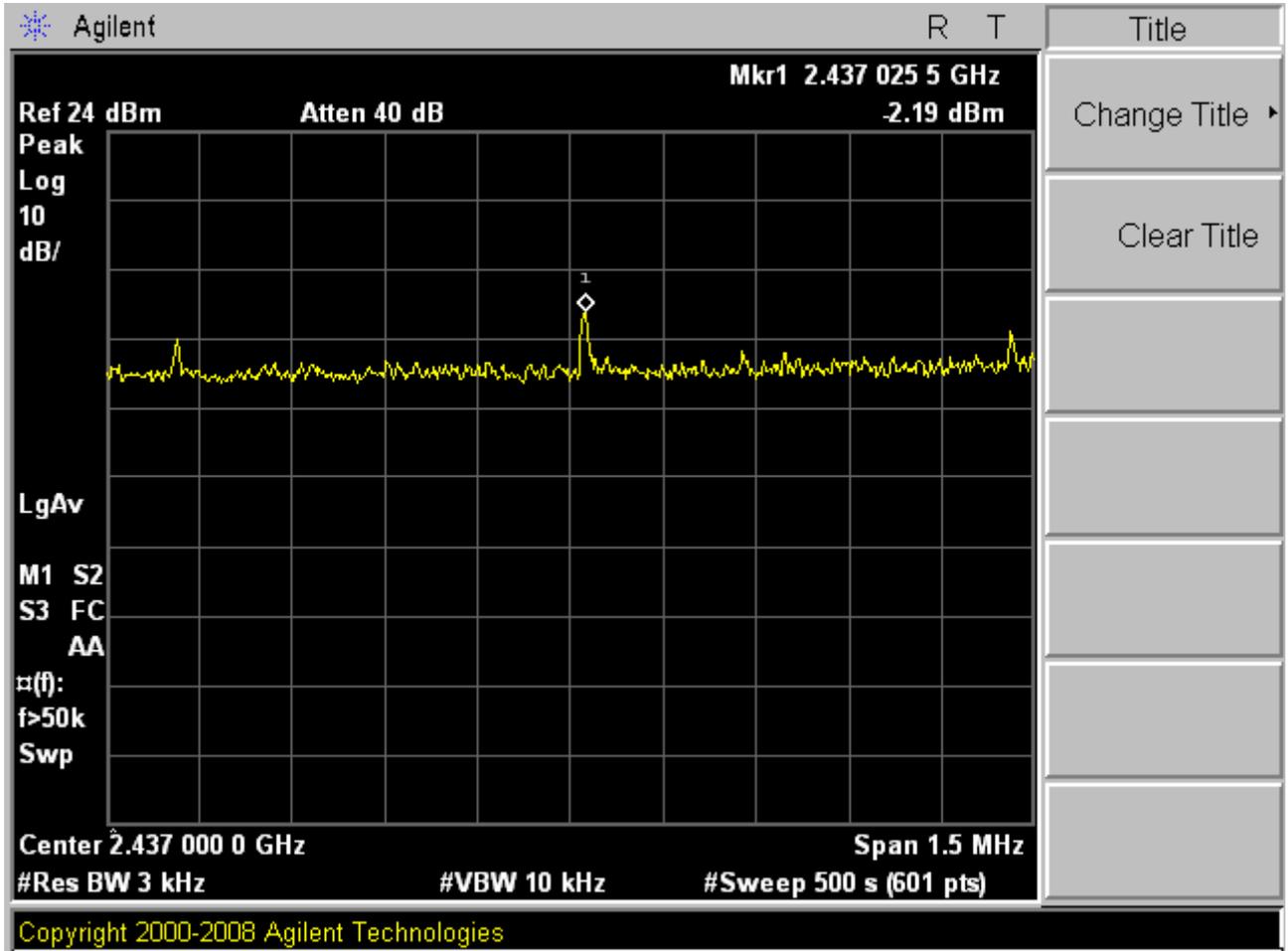


# TM1 Channel 1



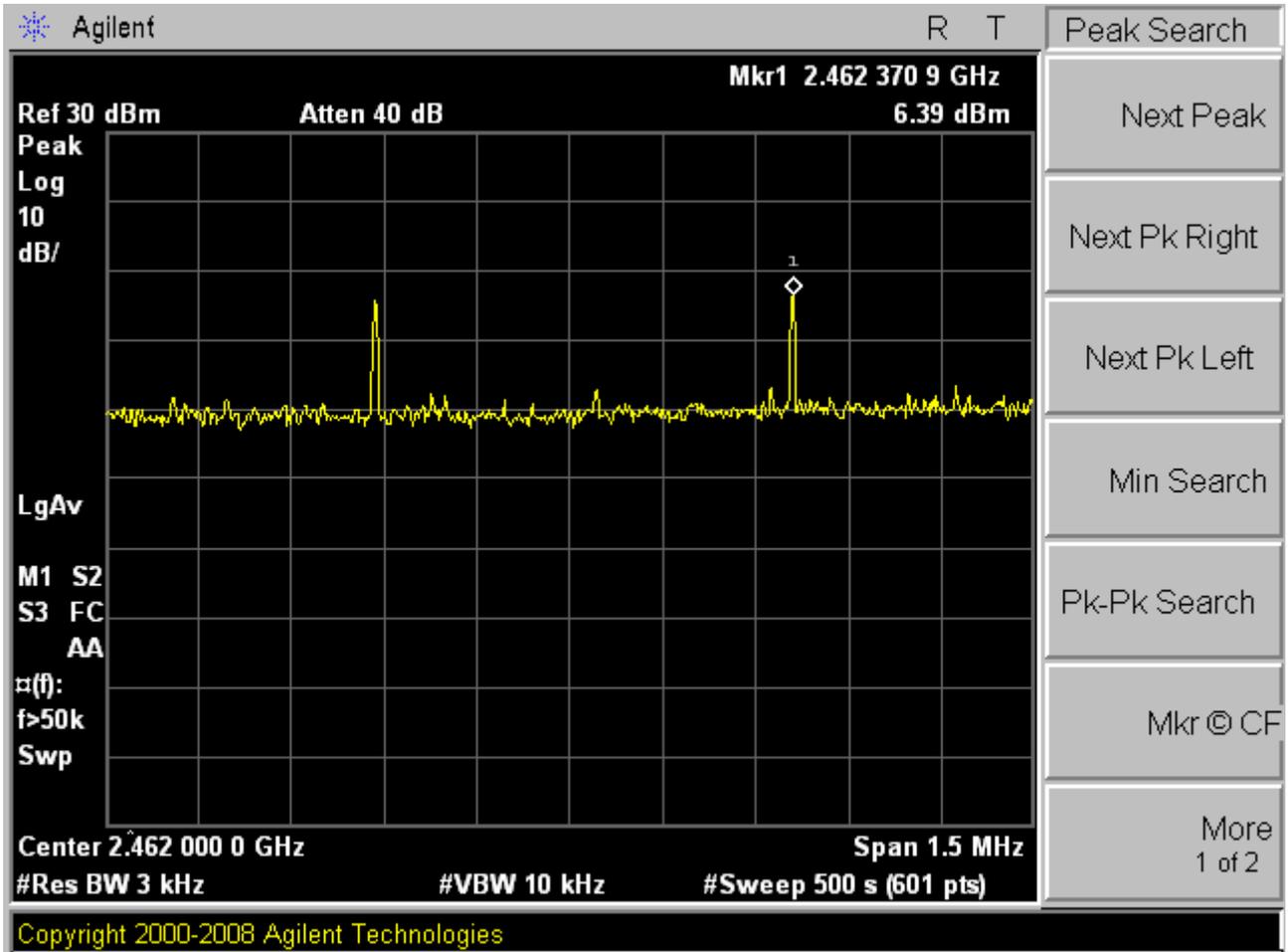


# Channel 6





# Channel 11



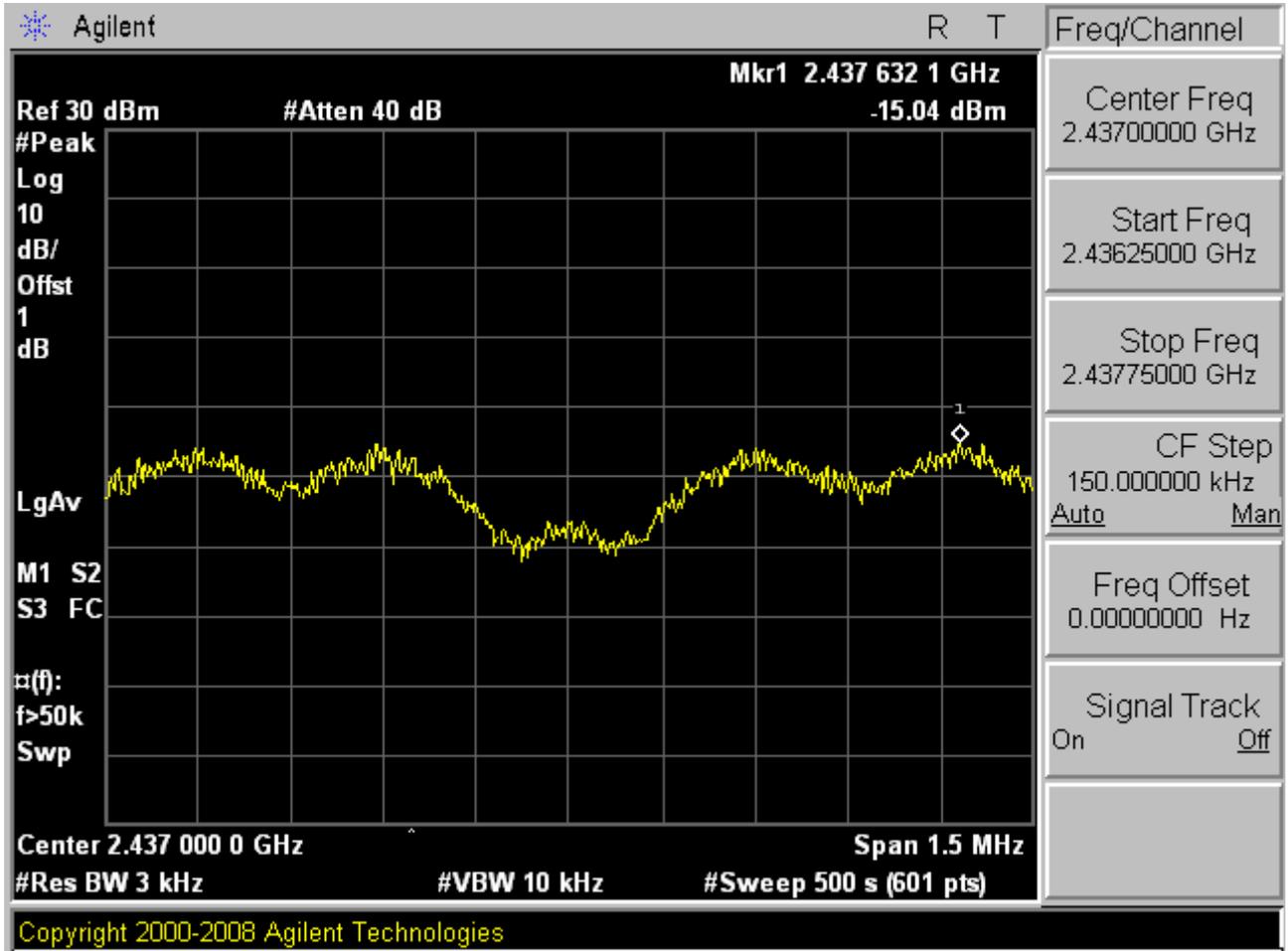


# TM2 Channel 1



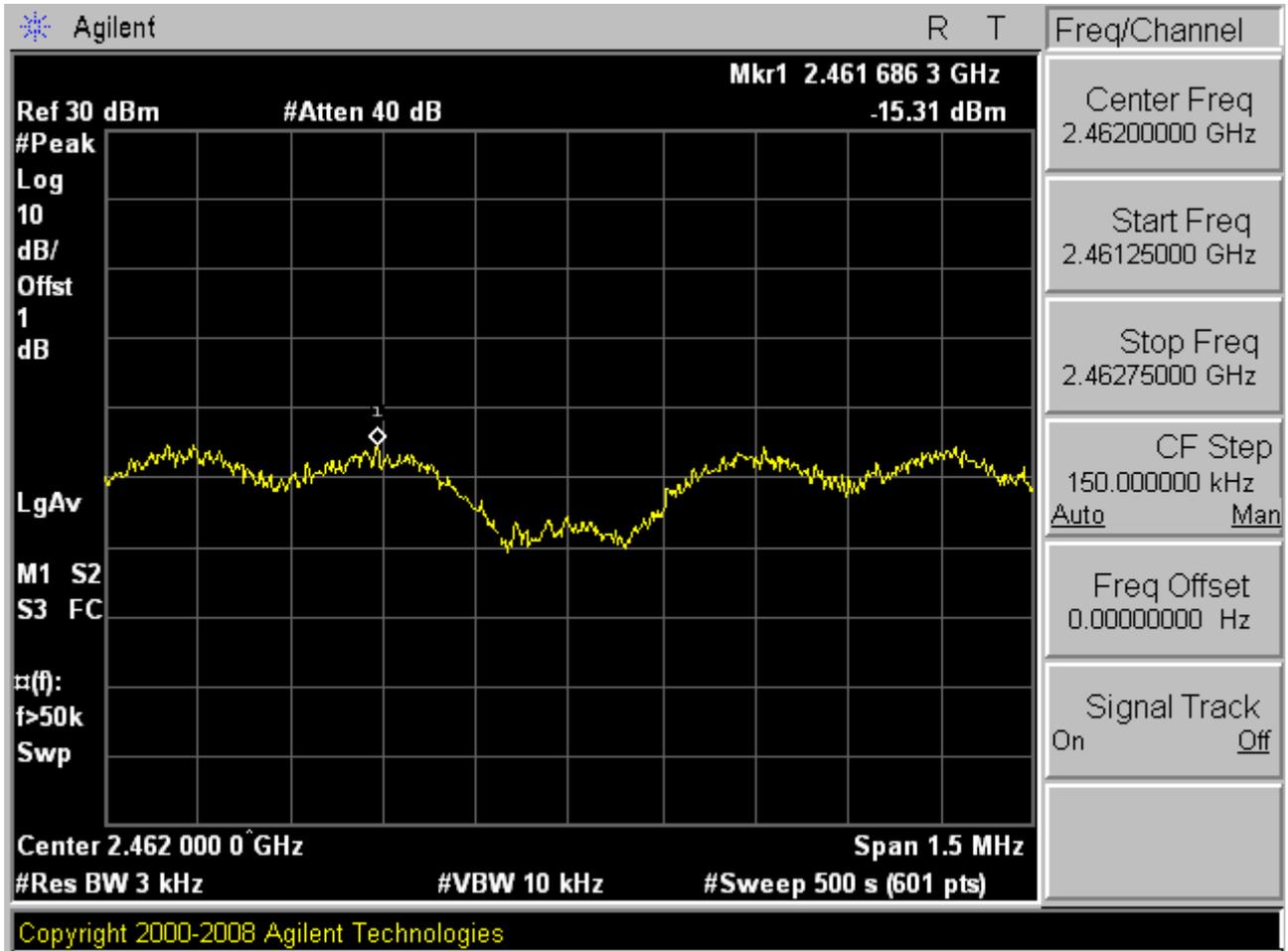


# Channel 6



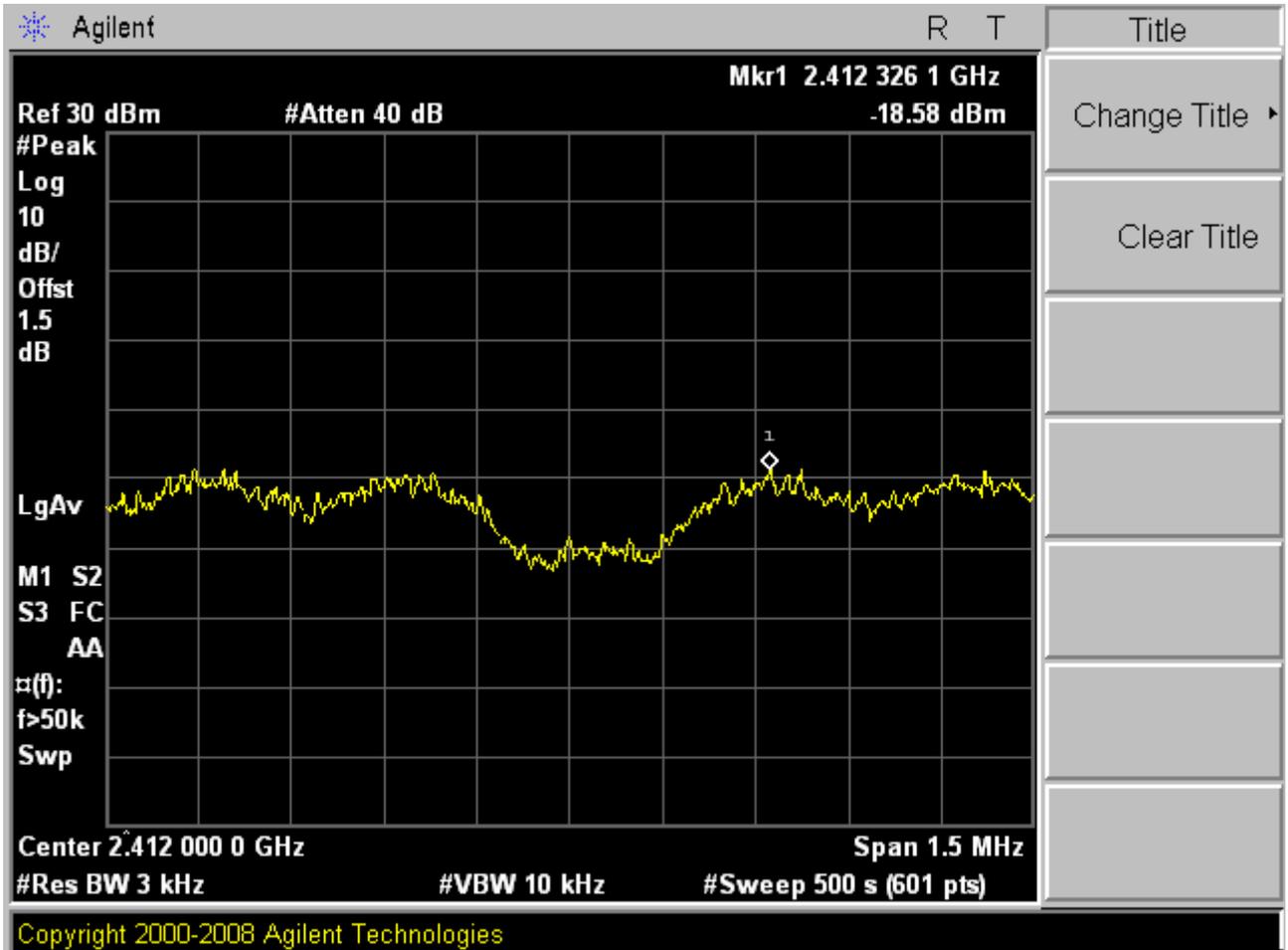


# Channel 11



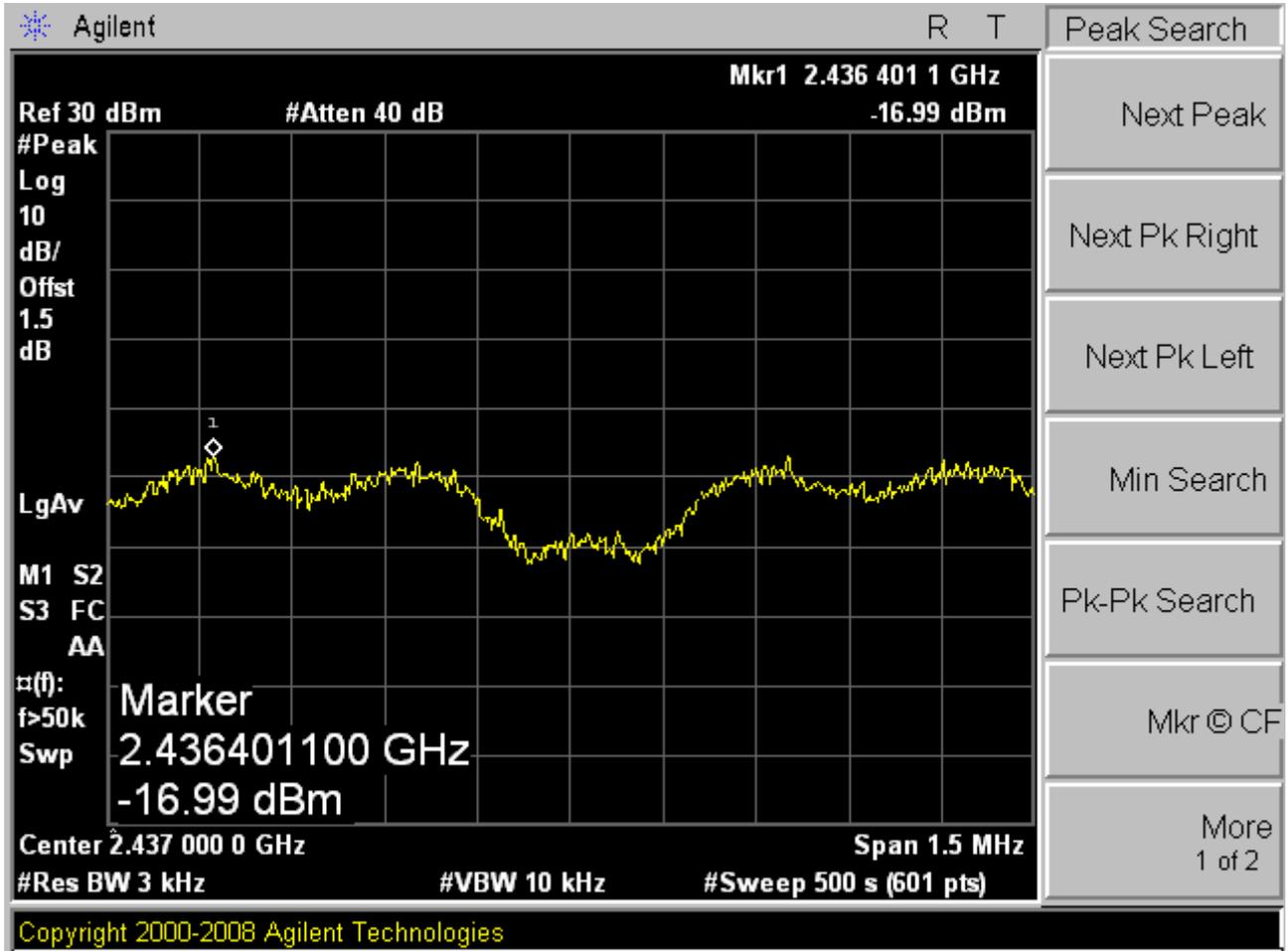


# TM3 Channel 1



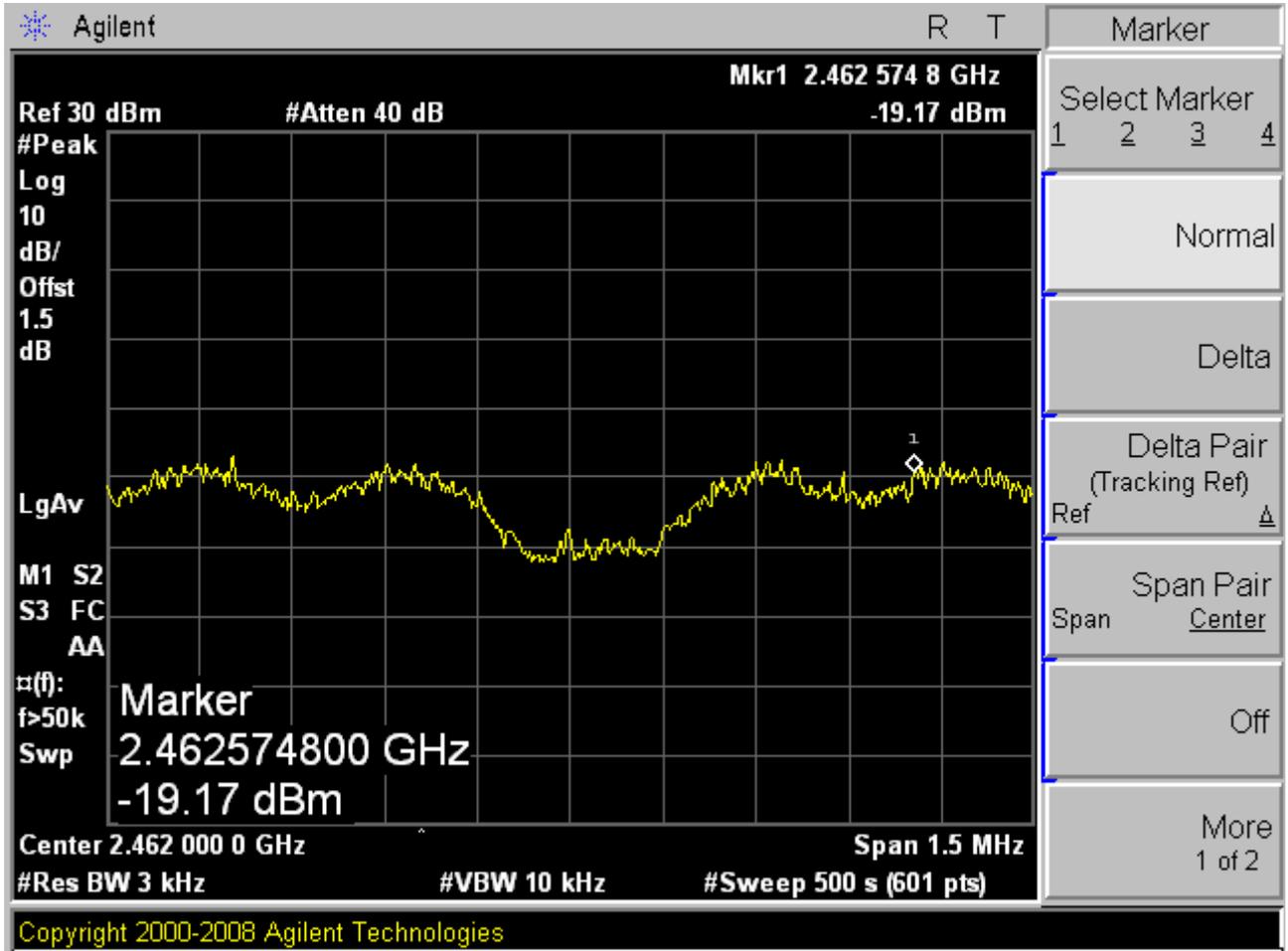


# Channel 6





# Channel 11





## **Appendix F**

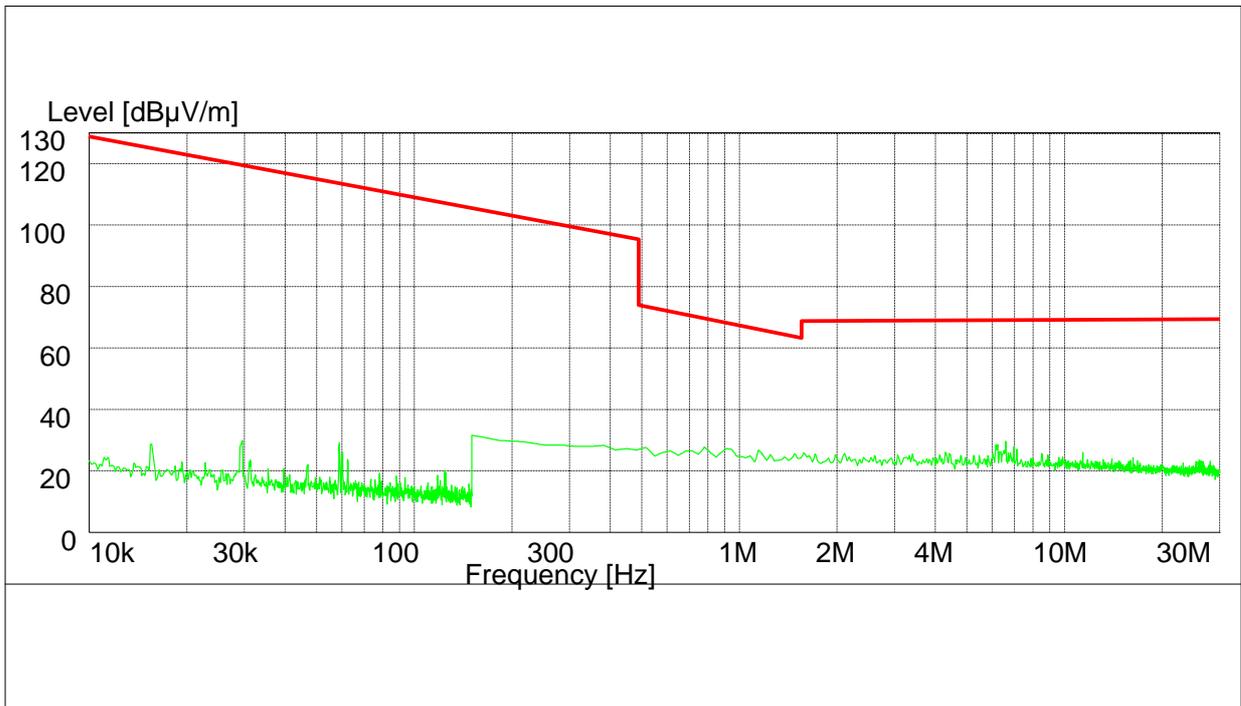
# Radiated spurious emission & spurious in restricted band

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



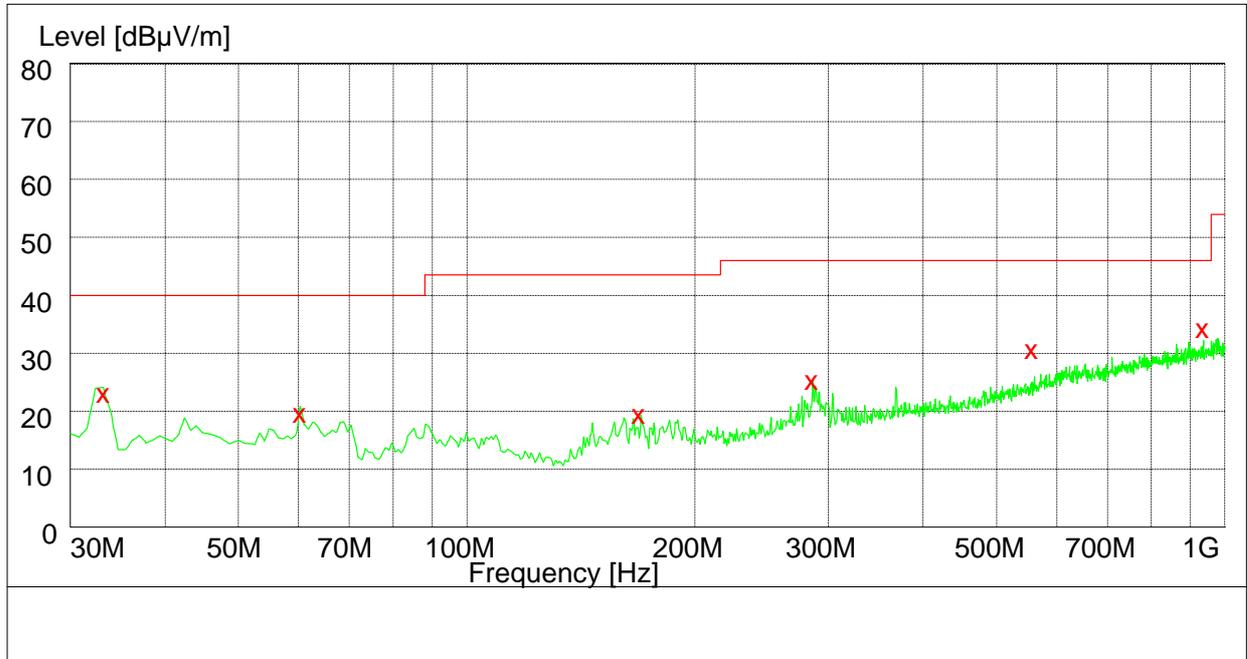
Note: This test was carried out in all the test modes, here only the worst test result was shown.

## Channel 1 10kHz to 30MHz





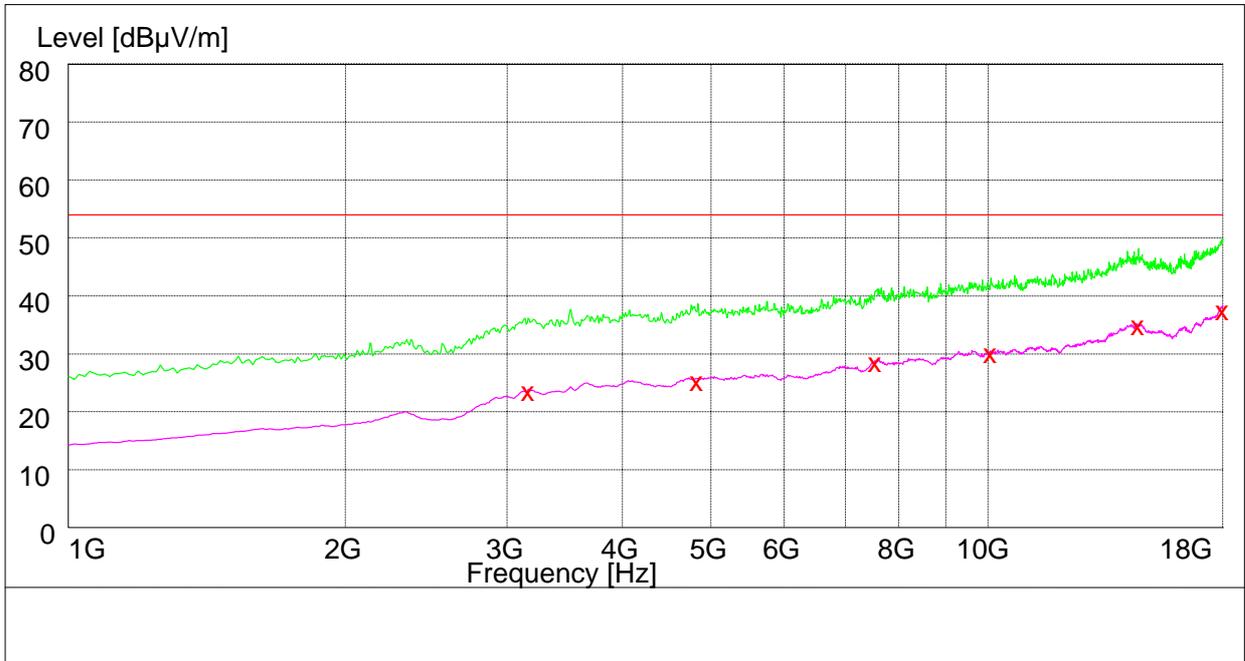
## 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.240000	23.20	11.7	40.0	16.8	145.0	188.00	VERTICAL
60.360000	19.80	12.2	40.0	20.2	121.0	239.00	VERTICAL
168.960000	19.60	10.0	43.5	23.9	101.0	205.00	VERTICAL
285.660000	25.40	15.1	46.0	20.6	108.0	100.00	HORIZONTAL
556.800000	30.80	21.6	46.0	15.2	135.0	235.00	HORIZONTAL
936.600000	34.50	26.5	46.0	11.5	131.0	323.00	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
3169.000000	23.20	-8.4	54.0	30.8	165.0	1.00	HORIZONTAL
4828.000000	25.10	-4.1	54.0	28.9	200.0	87.00	VERTICAL
7552.500000	28.30	1.6	54.0	25.7	128.0	356.00	HORIZONTAL
10071.000000	29.80	5.2	54.0	24.2	152.0	183.00	VERTICAL
14575.000000	34.60	12.2	54.0	19.4	102.0	261.00	VERTICAL
17995.000000	37.20	17.3	54.0	16.8	102.0	183.00	VERTICAL

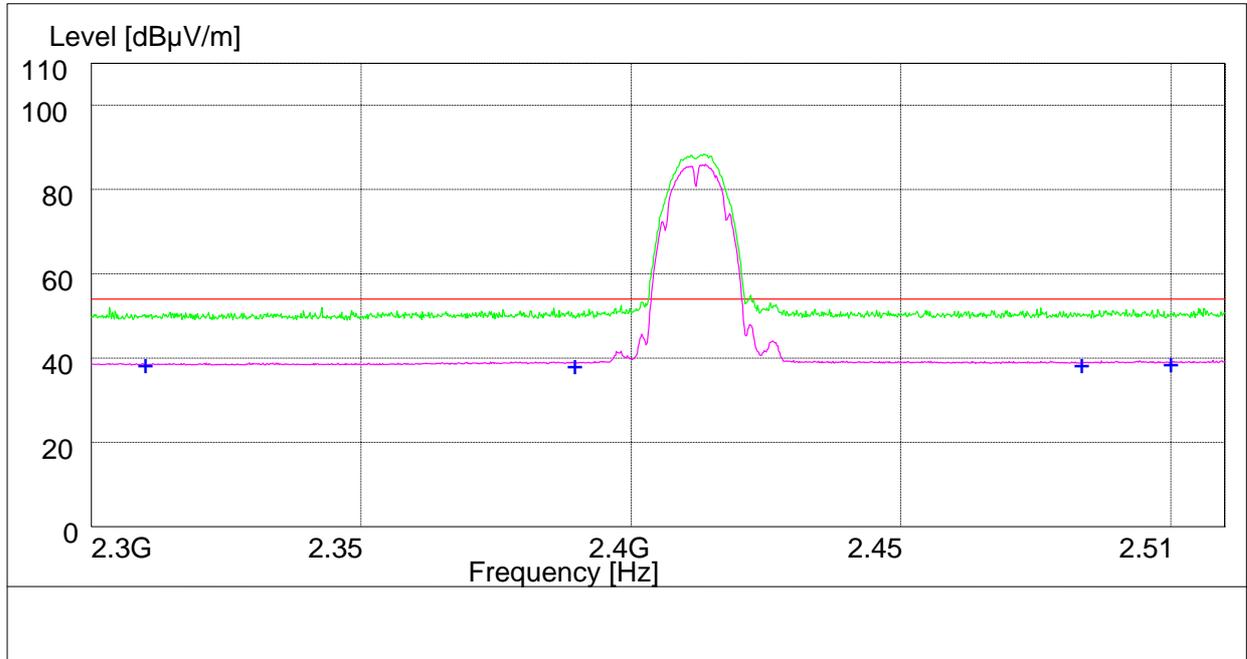


# 18GHz to 26GHz

Note: No peak found in pre- test.



## 2GHz to 3GHz



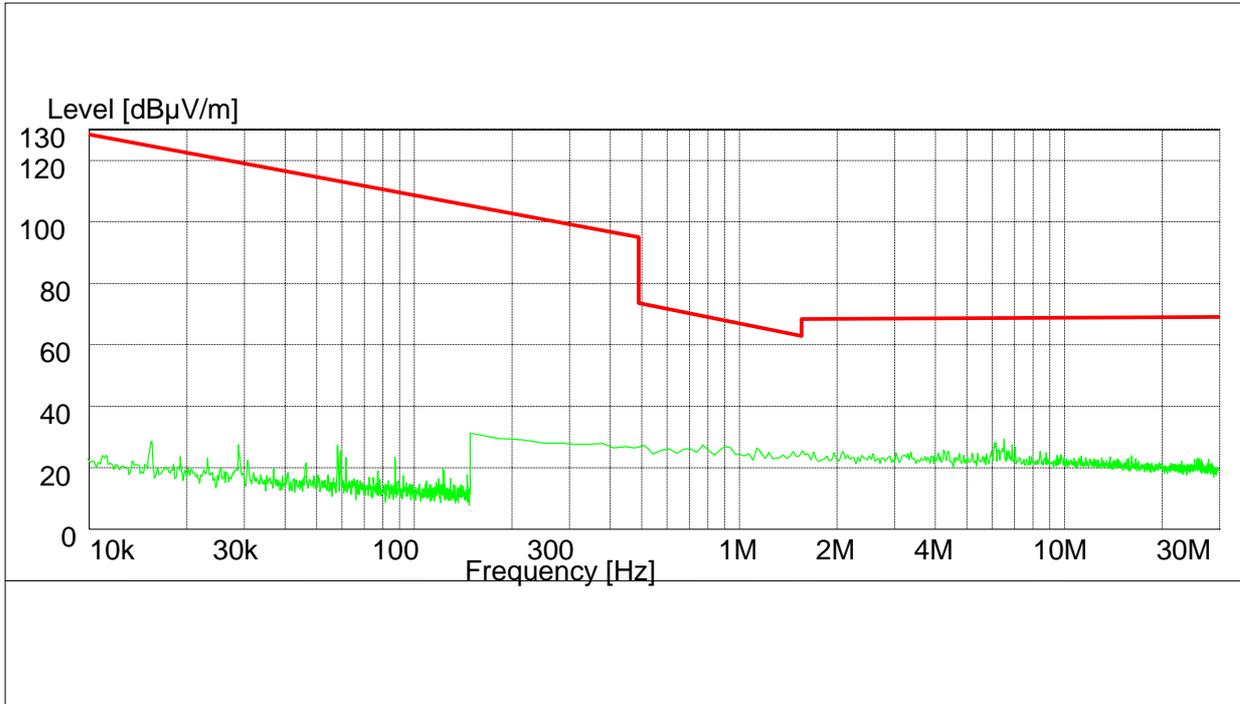
Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.60	33.3	54.0	15.4	114.0	342.00	HORIZONTAL
2390.000000	38.50	33.5	54.0	15.5	182.0	322.00	VERTICAL
2483.500000	38.70	33.7	54.0	15.3	189.0	122.00	HORIZONTAL
2500.000000	38.80	33.8	54.0	15.2	123.0	34.00	VERTICAL



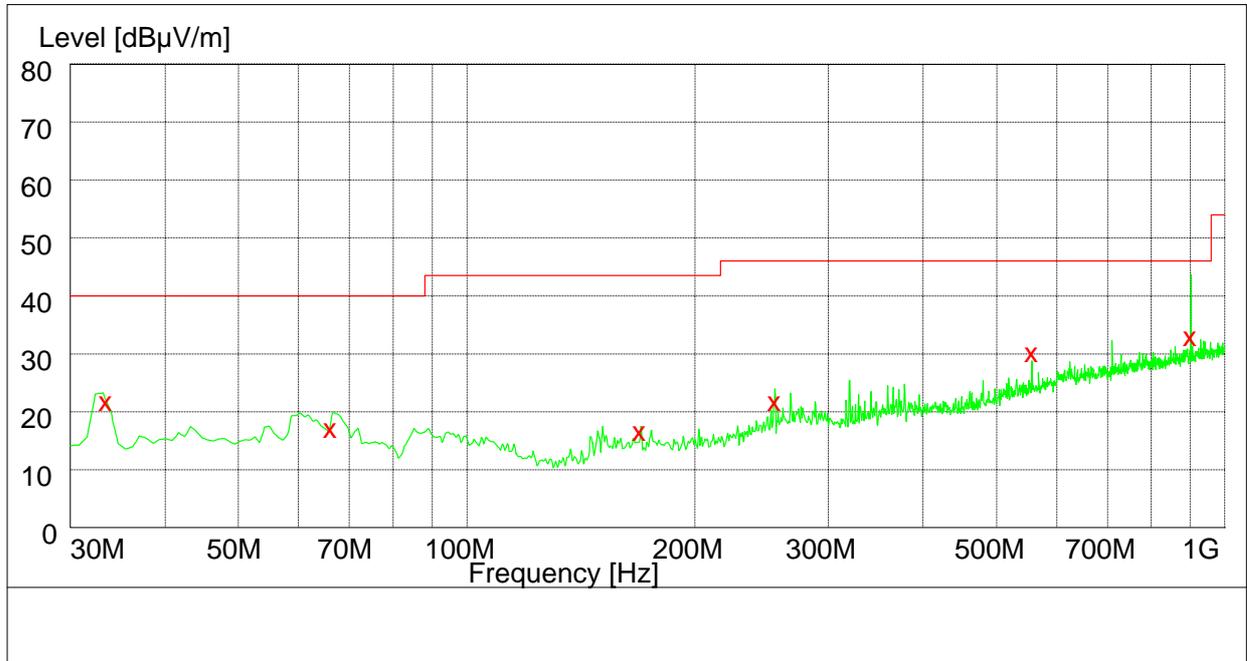
# Channel 6

## 10 kHz to 30MHz





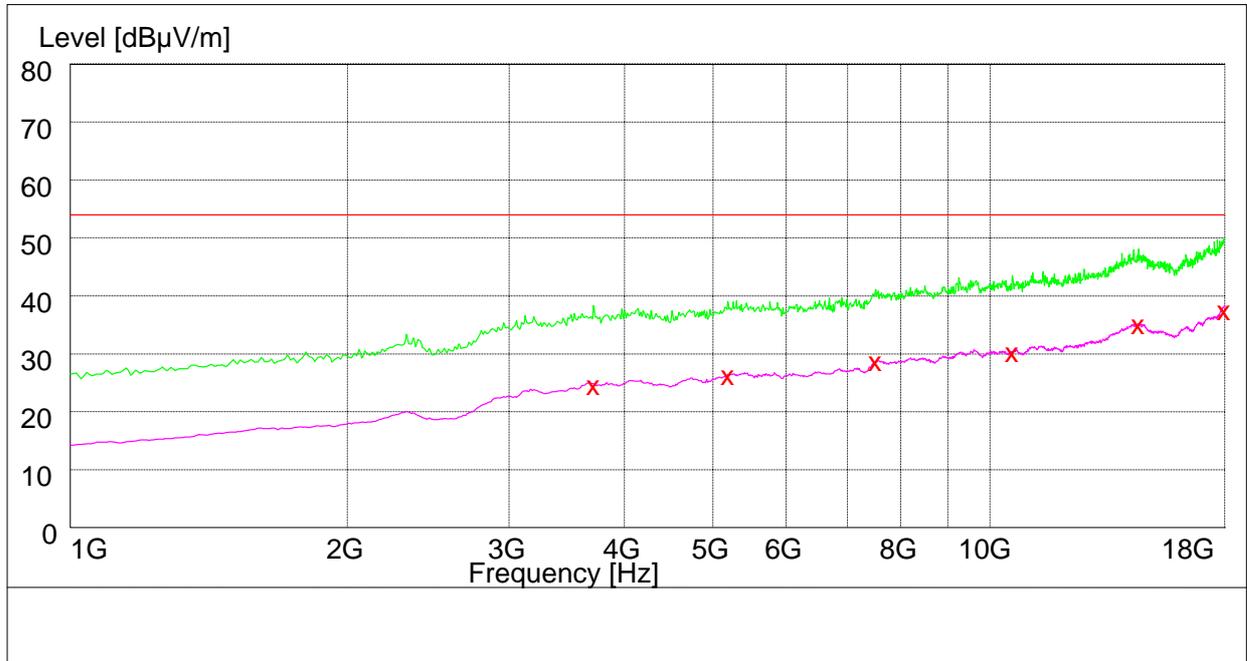
## 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.480000	23.00	11.7	40.0	17.0	125.0	196.00	HORIZONTAL
66.120000	18.30	9.9	40.0	21.7	136.0	197.00	VERTICAL
169.020000	17.70	10.0	43.5	25.8	143.0	304.00	VERTICAL
255.000000	22.90	14.1	46.0	23.1	135.0	172.00	HORIZONTAL
556.800000	31.40	21.6	46.0	14.6	114.0	1.00	VERTICAL
902.400000	35.90	26.2	46.0	10.1	115.0	133.00	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
3710.000000	24.40	-6.6	54.0	29.6	117.0	347.00	HORIZONTAL
5195.000000	26.00	-3.2	54.0	28.0	131.0	45.00	HORIZONTAL
7518.000000	28.40	1.5	54.0	25.6	200.0	188.00	VERTICAL
10585.500000	30.00	5.9	54.0	24.0	199.0	66.00	HORIZONTAL
14499.000000	34.80	12.4	54.0	19.2	154.0	20.00	HORIZONTAL
17995.500000	37.30	17.3	54.0	16.7	171.0	76.00	HORIZONTAL



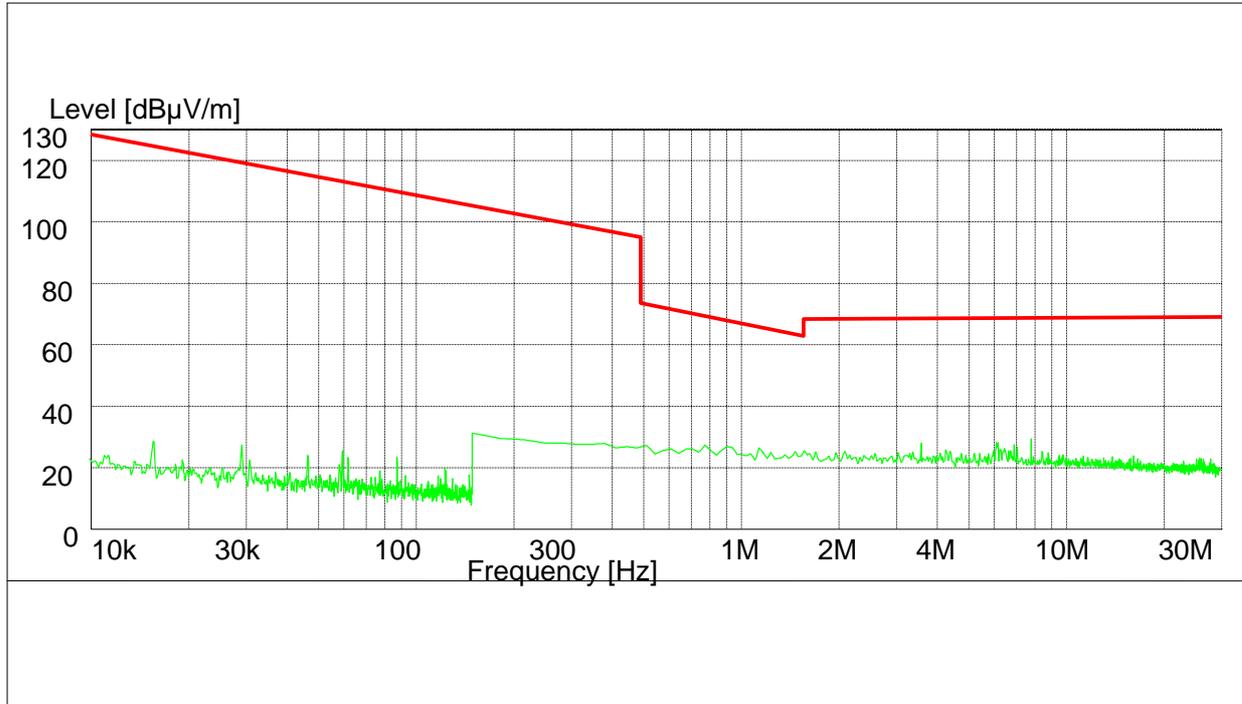
# 18GHz to 26GHz

Note: No peak found in pre- test.



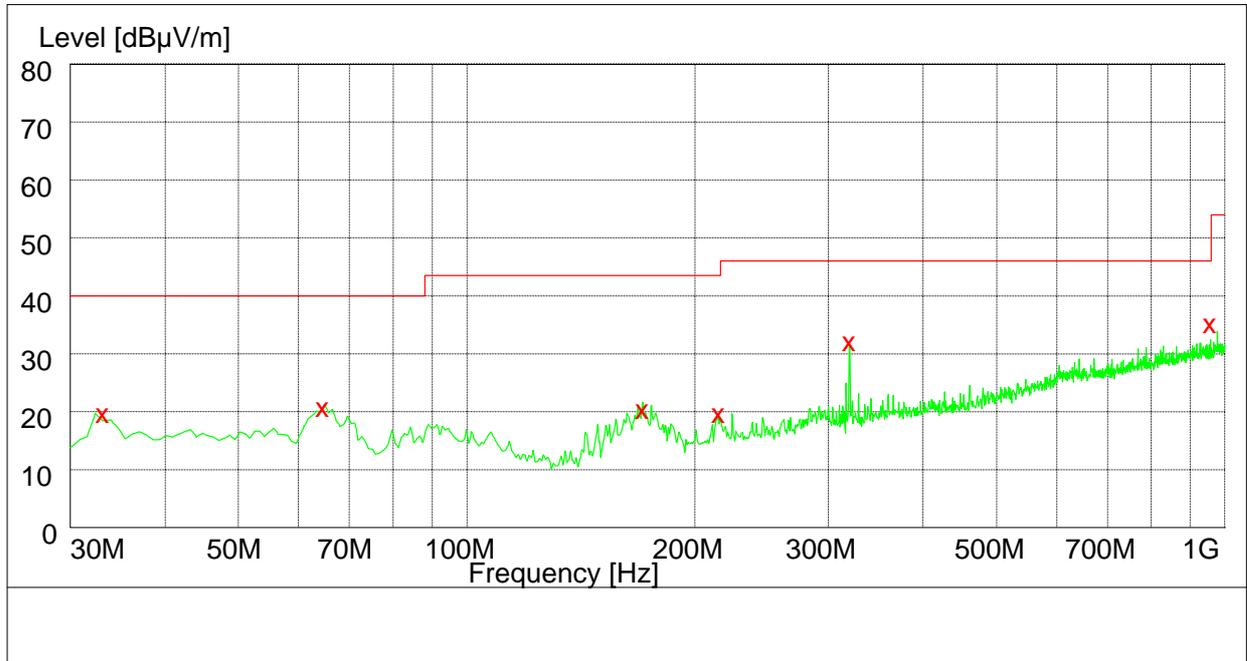
# Channel 11

## 10 kHz to 30 MHz





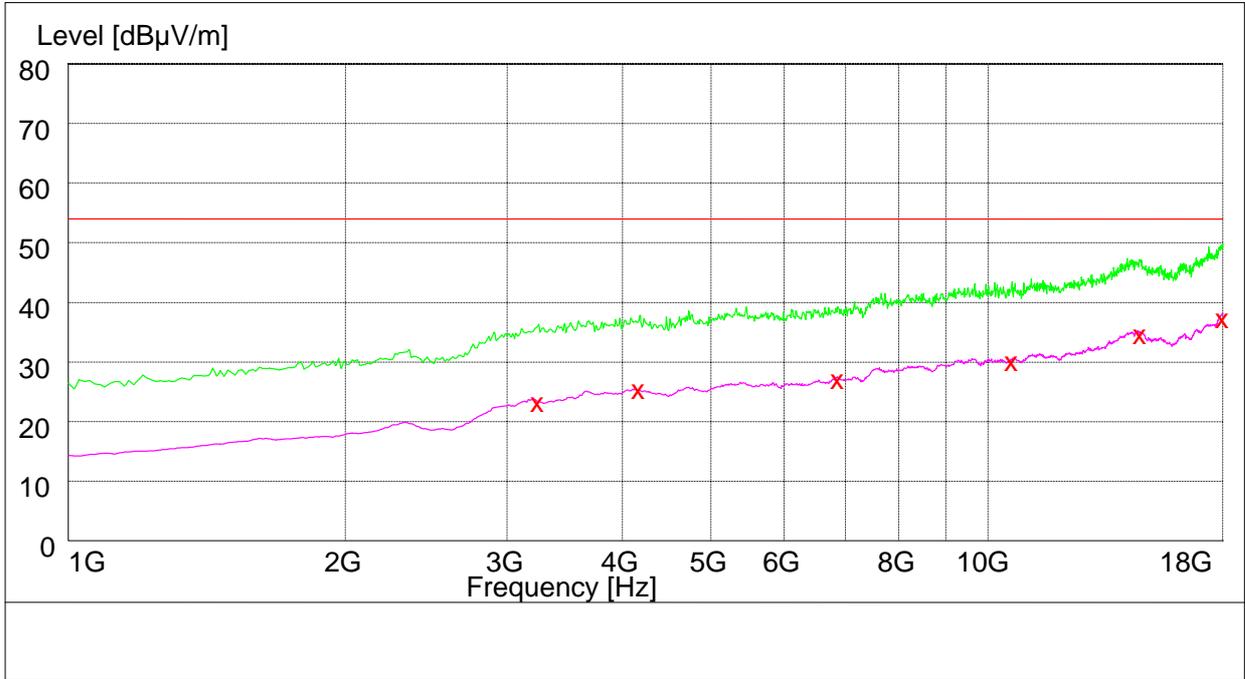
## 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.120000	19.90	11.7	40.0	20.1	100.0	228.00	VERTICAL
64.620000	20.50	10.6	40.0	19.5	132.0	192.00	HORIZONTAL
170.760000	20.10	10.1	43.5	23.4	124.0	207.00	VERTICAL
215.460000	19.50	12.8	43.5	24.0	127.0	44.00	VERTICAL
320.040000	31.90	16.0	46.0	14.1	120.0	262.00	HORIZONTAL
957.540000	35.00	26.7	46.0	11.0	102.0	0.00	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
3240.000000	23.00	-8.2	54.0	31.0	165.0	0.00	HORIZONTAL
4175.000000	25.10	-5.6	54.0	28.9	168.0	329.00	HORIZONTAL
6868.000000	26.80	-0.1	54.0	27.2	136.0	94.00	HORIZONTAL
10617.500000	29.80	6.1	54.0	24.2	135.0	315.00	VERTICAL
14633.500000	34.40	12.0	54.0	19.6	126.0	126.00	VERTICAL
17994.000000	37.00	17.3	54.0	17.0	128.0	250.00	HORIZONTAL

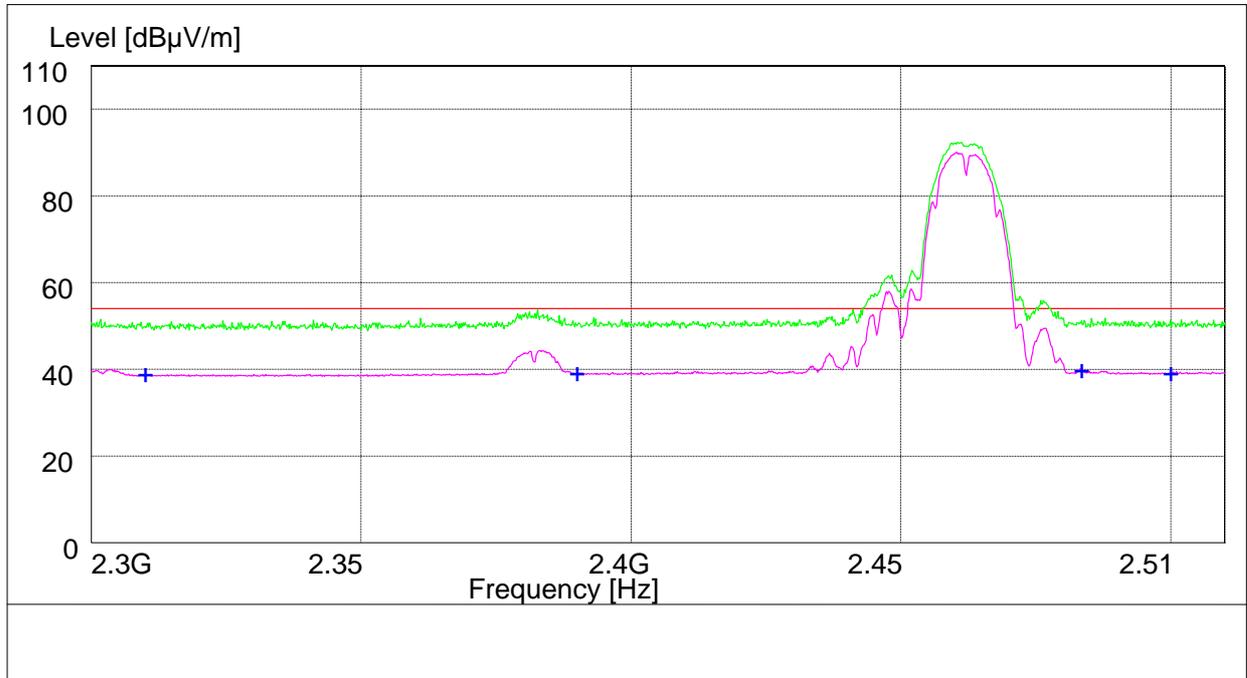


# 18GHz to 26GHz

Note: No peak found in pre- test.



## 2GHz to 3GHz



Note: The 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	39.10	33.3	54.0	14.9	123.0	47.00	HORIZONTAL
2390.000000	39.50	33.5	54.0	14.5	185.0	258.00	VERTICAL
2483.500000	40.10	33.7	54.0	13.9	119.0	346.00	HORIZONTAL
2500.000000	39.80	33.8	54.0	14.2	117.0	36.00	VERTICAL



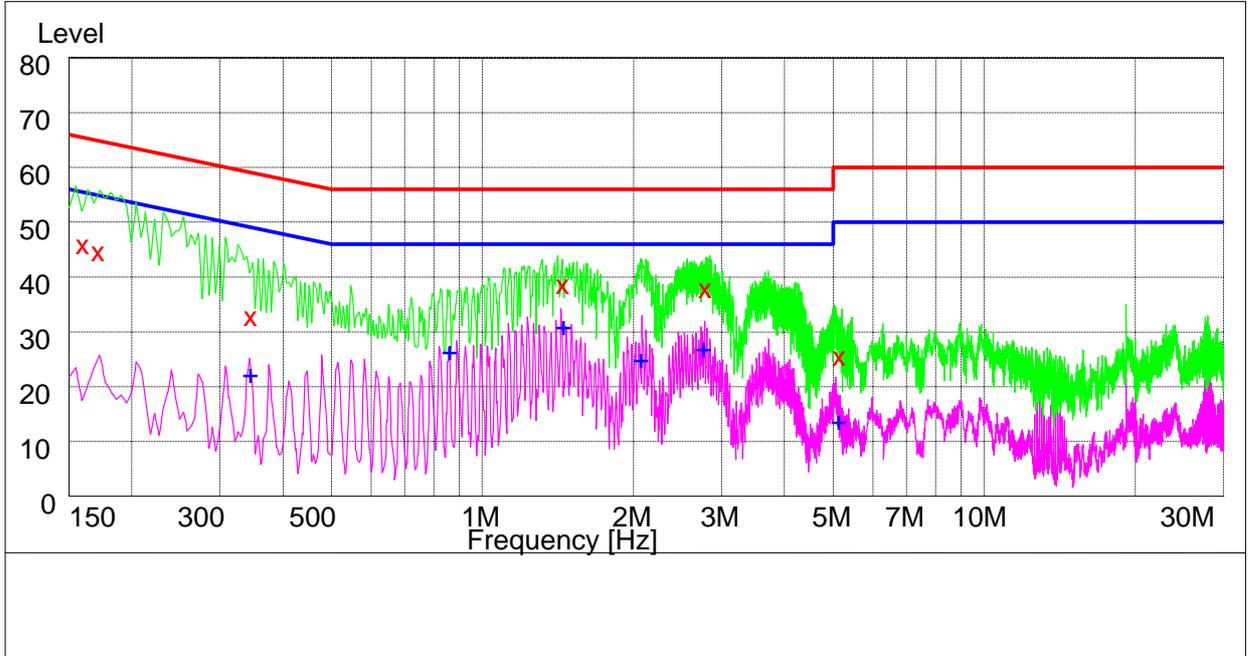
# **Appendix G**

## **Conducted Emission at Power Port**

According to FCC Part 15.207



# Channel 6



## MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.160000	47.20	10.1	66	18.8	N	FLO
0.172000	46.10	10.1	65	18.9	N	FLO
0.346000	34.20	10.0	59	24.8	N	FLO
1.450000	39.90	10.1	56	16.1	N	FLO
2.796000	39.20	10.2	56	16.8	N	FLO
5.168000	26.80	10.2	60	33.2	N	FLO

## MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.344000	23.70	10.0	49	25.3	N	FLO
0.862000	27.80	10.1	46	18.2	N	FLO
1.452000	32.30	10.1	46	13.7	N	FLO
2.068000	26.30	10.1	46	19.7	N	FLO
2.760000	28.20	10.2	46	17.8	N	FLO
5.136000	15.10	10.2	50	34.9	N	FLO