



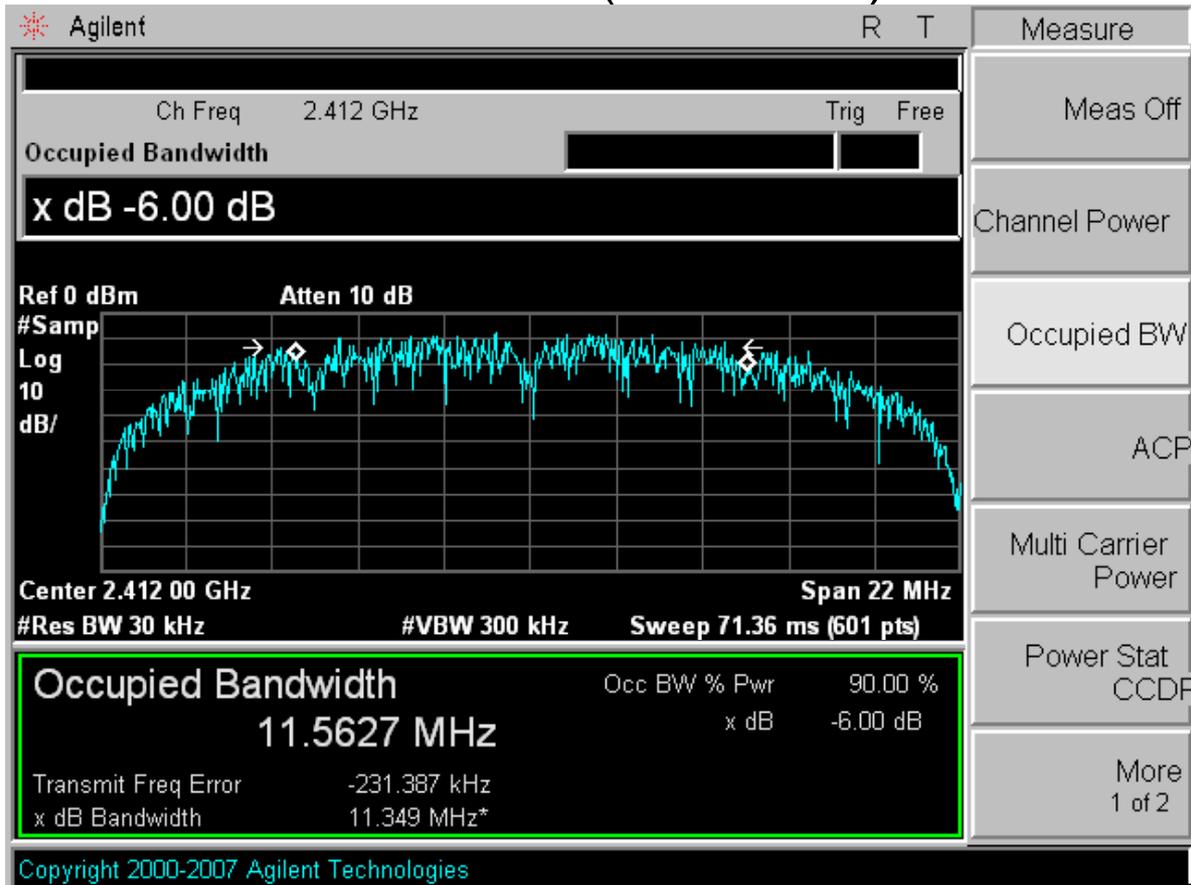
# Appendix A

## 6dB bandwidth measurement

According to FCC Part 15.247 (a) (2)

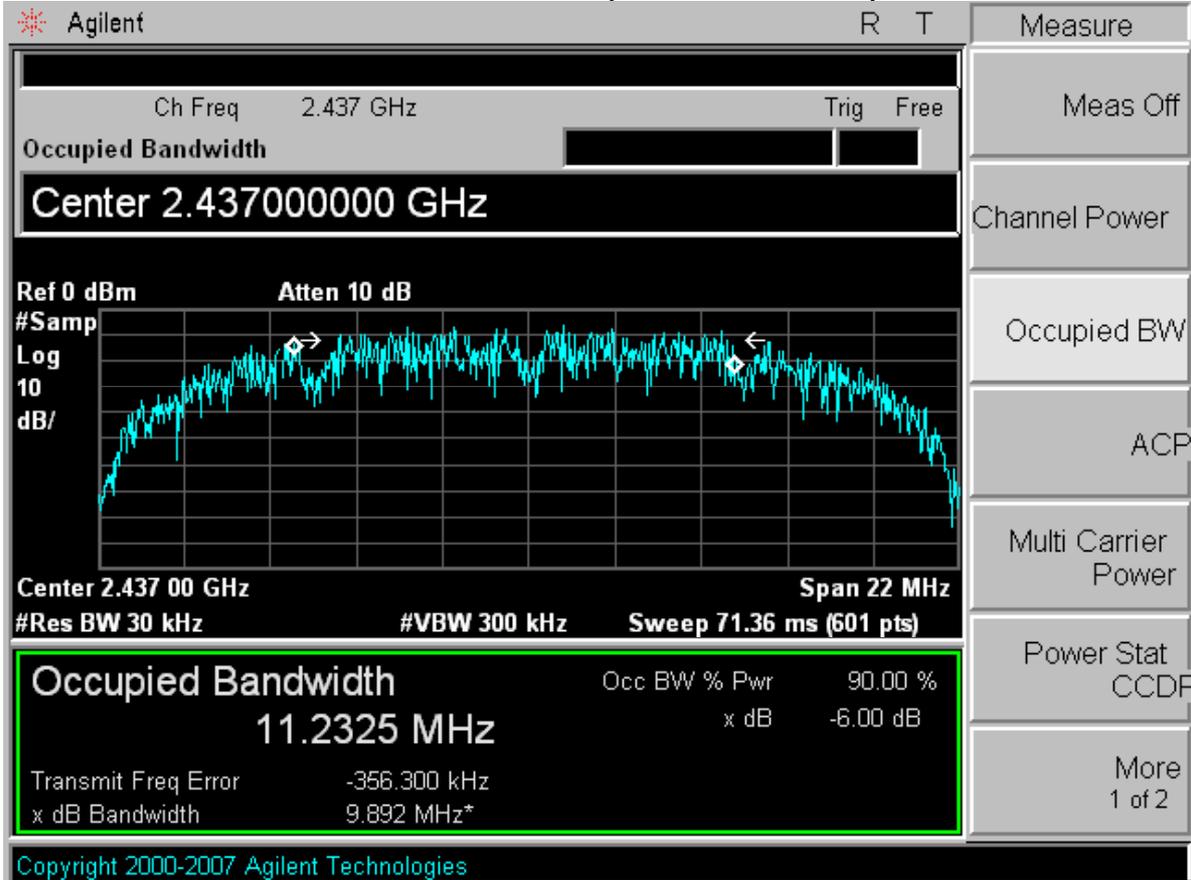


# TM1 Channel 1 (2412MHz)



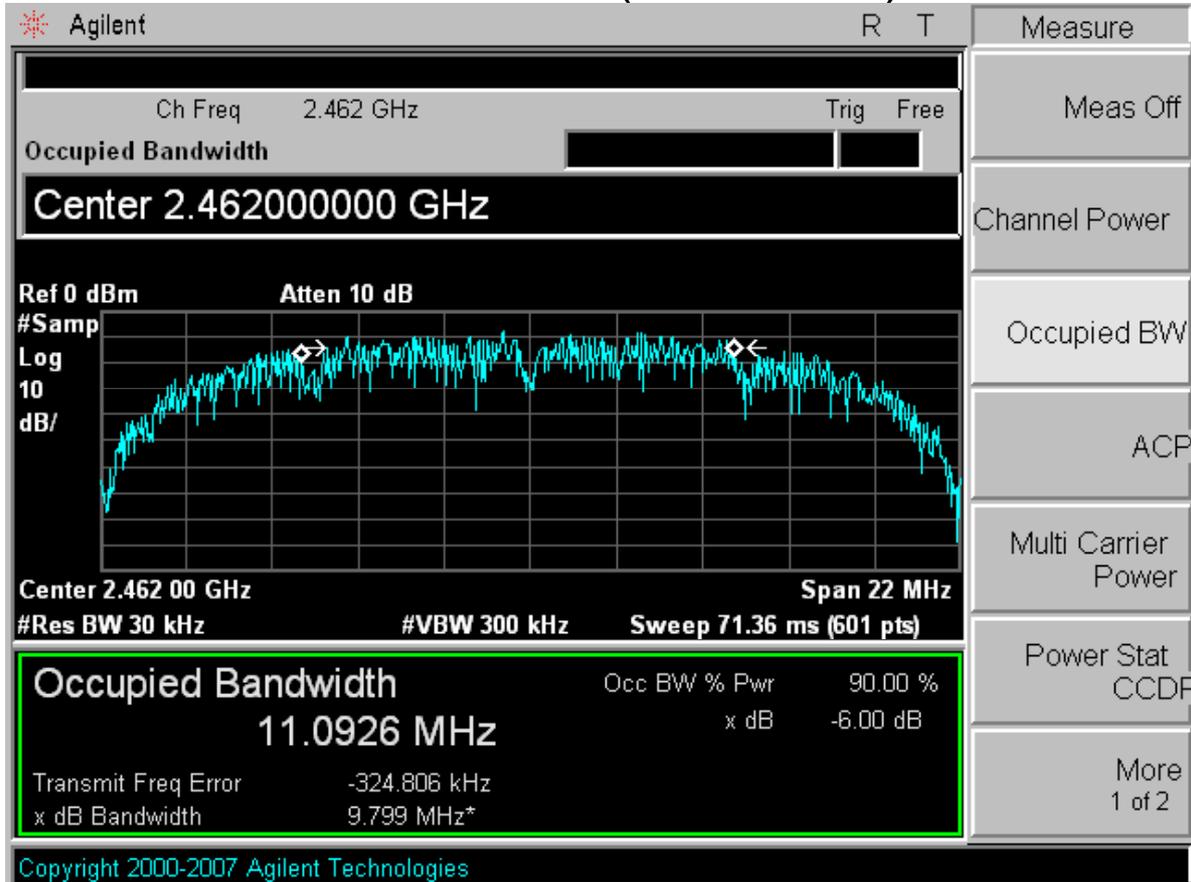


# Channel 6 (2437MHz)





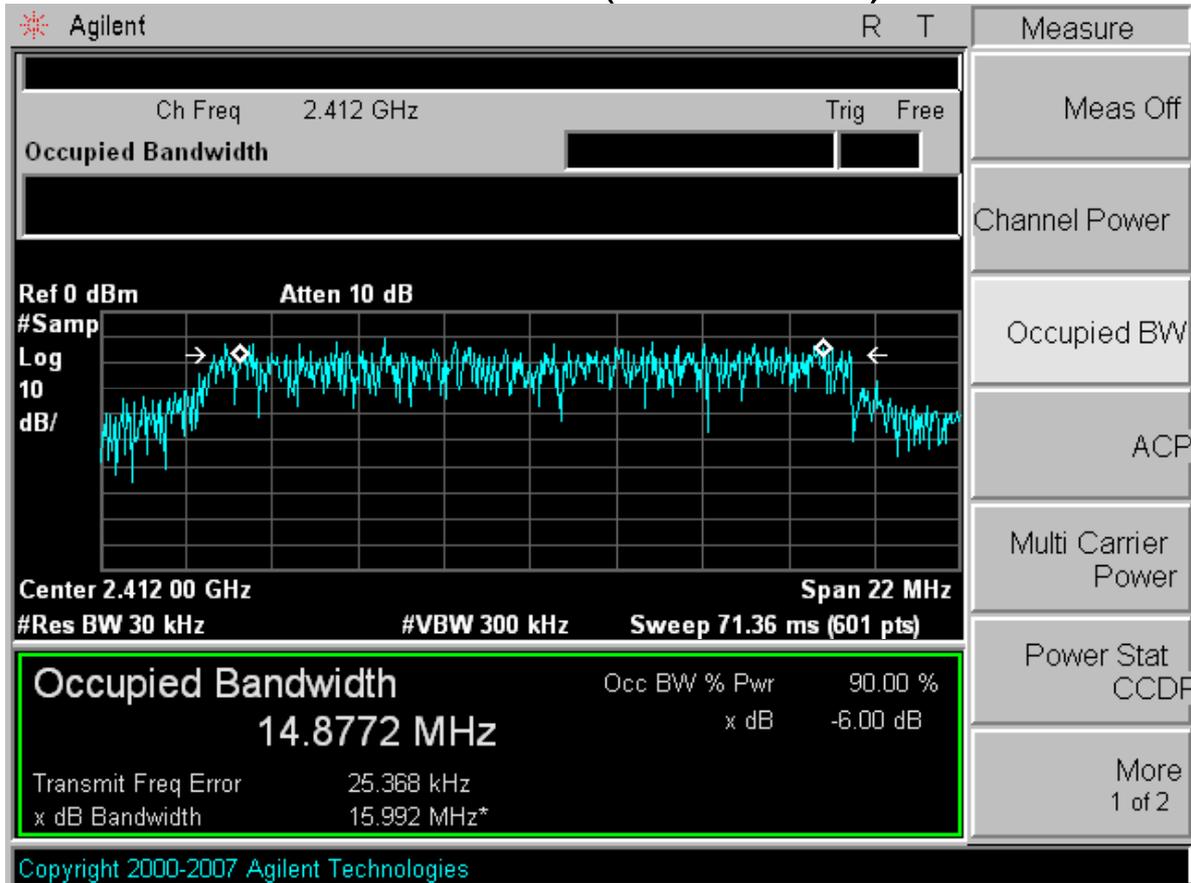
# Channel 11 (2462MHz)





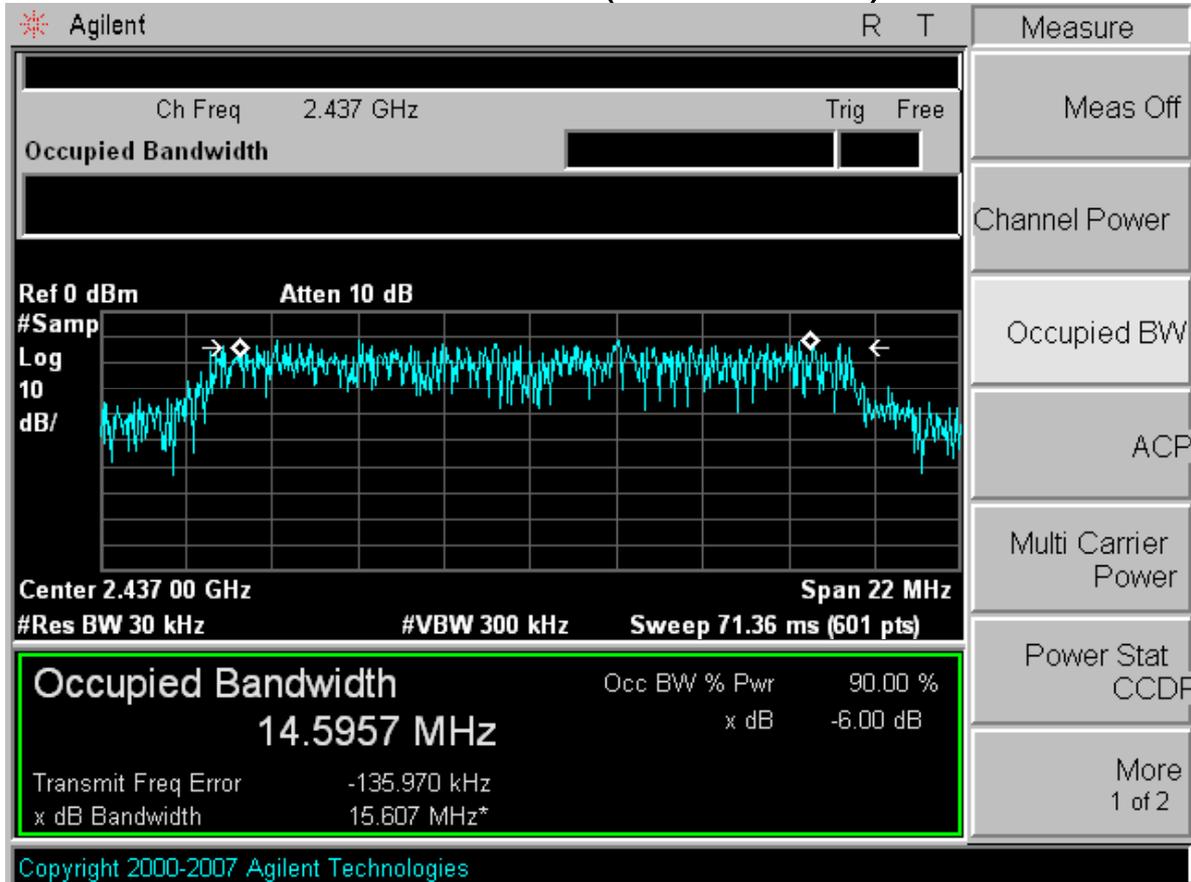
# TM2

## Channel 1 (2412MHz)



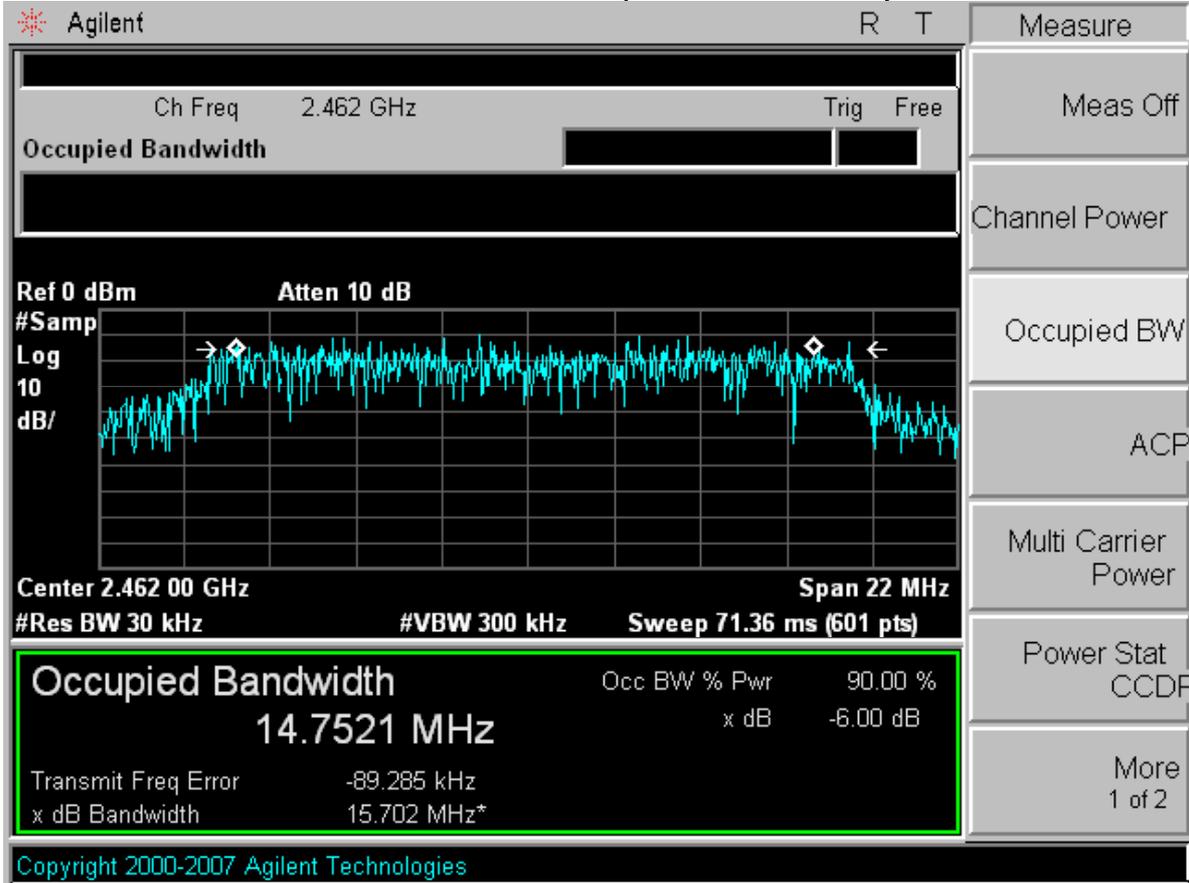


# Channel 6 (2437MHz)





# Channel 11 (2462MHz)





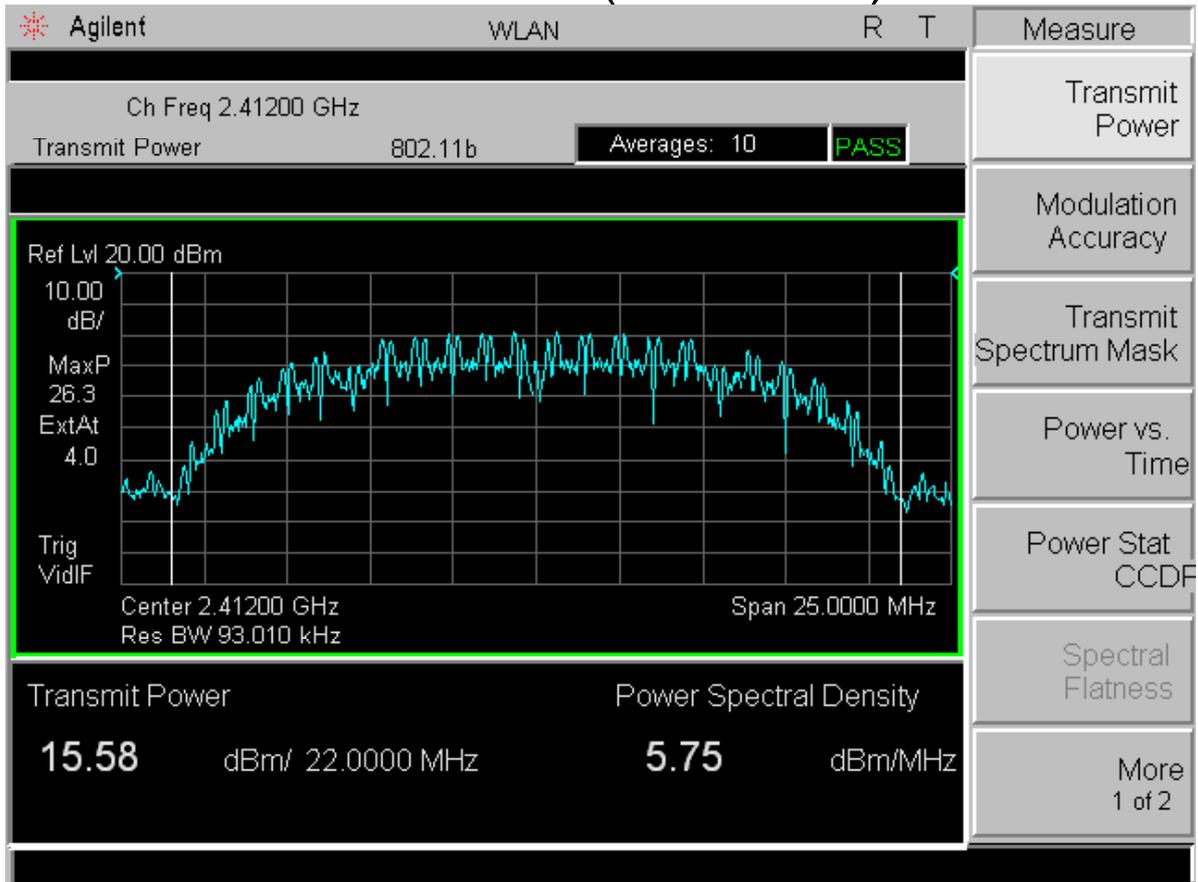
## **Appendix B**

# Conducted Peak output power

According to FCC Part 15.247 (b) (3)

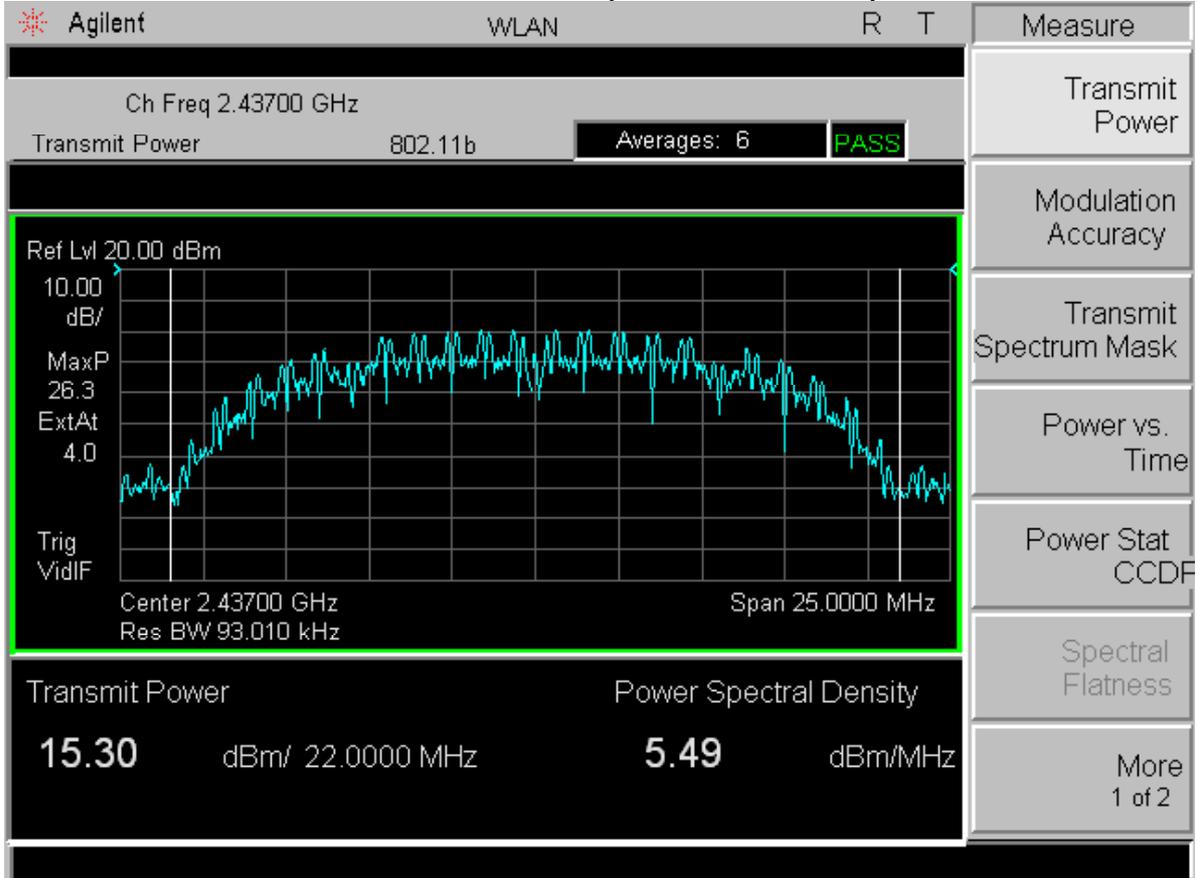


# TM1 Channel 1 (2412MHz)



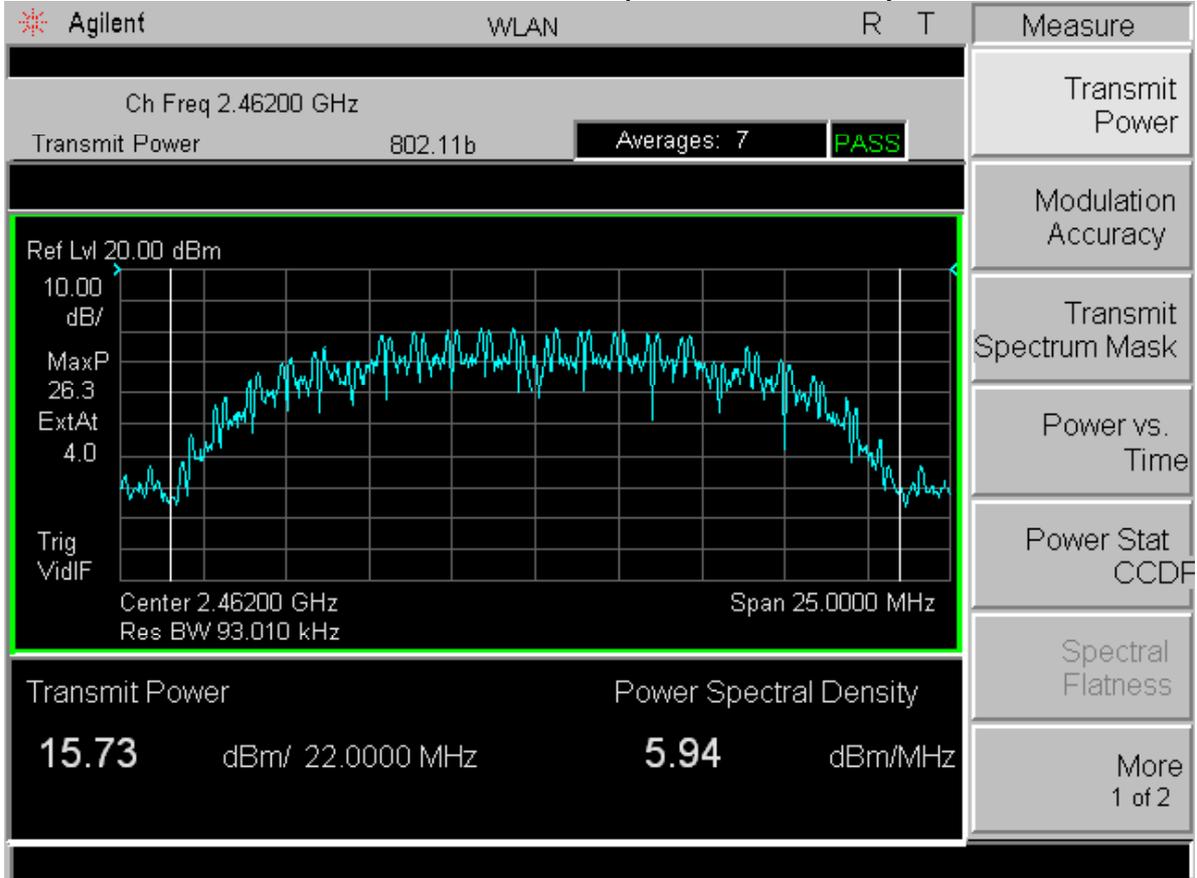


# Channel 6 (2437MHz)





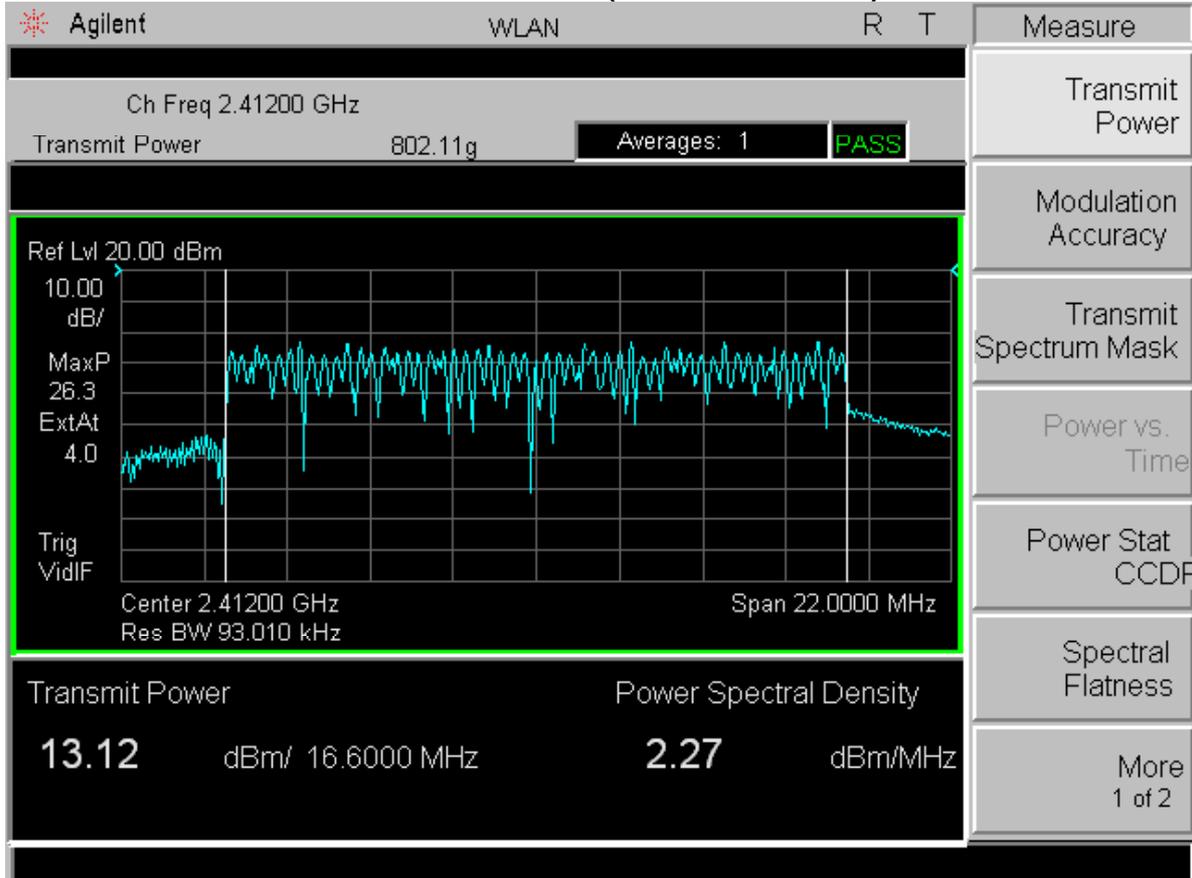
# Channel 11 (2462MHz)





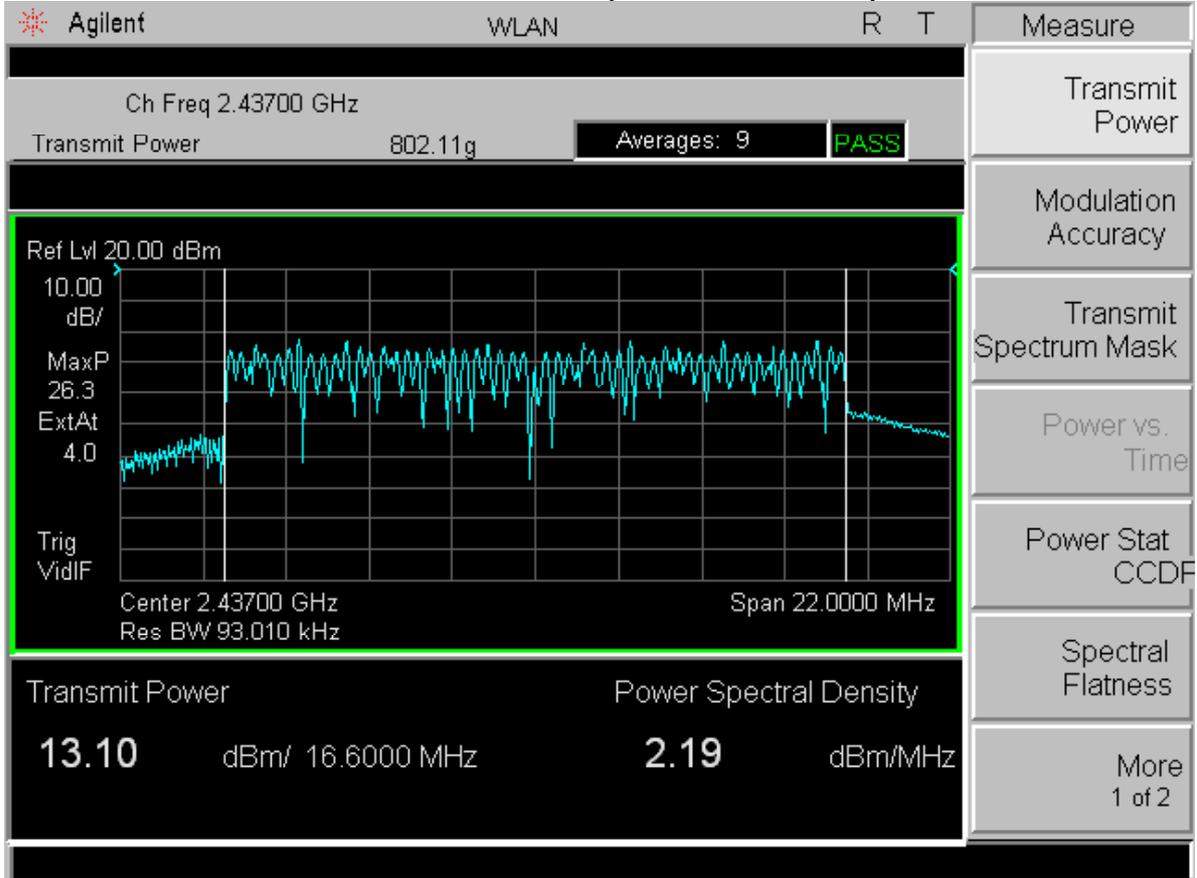
# TM2

## Channel 1 (2412MHz)





# Channel 6 (2437MHz)







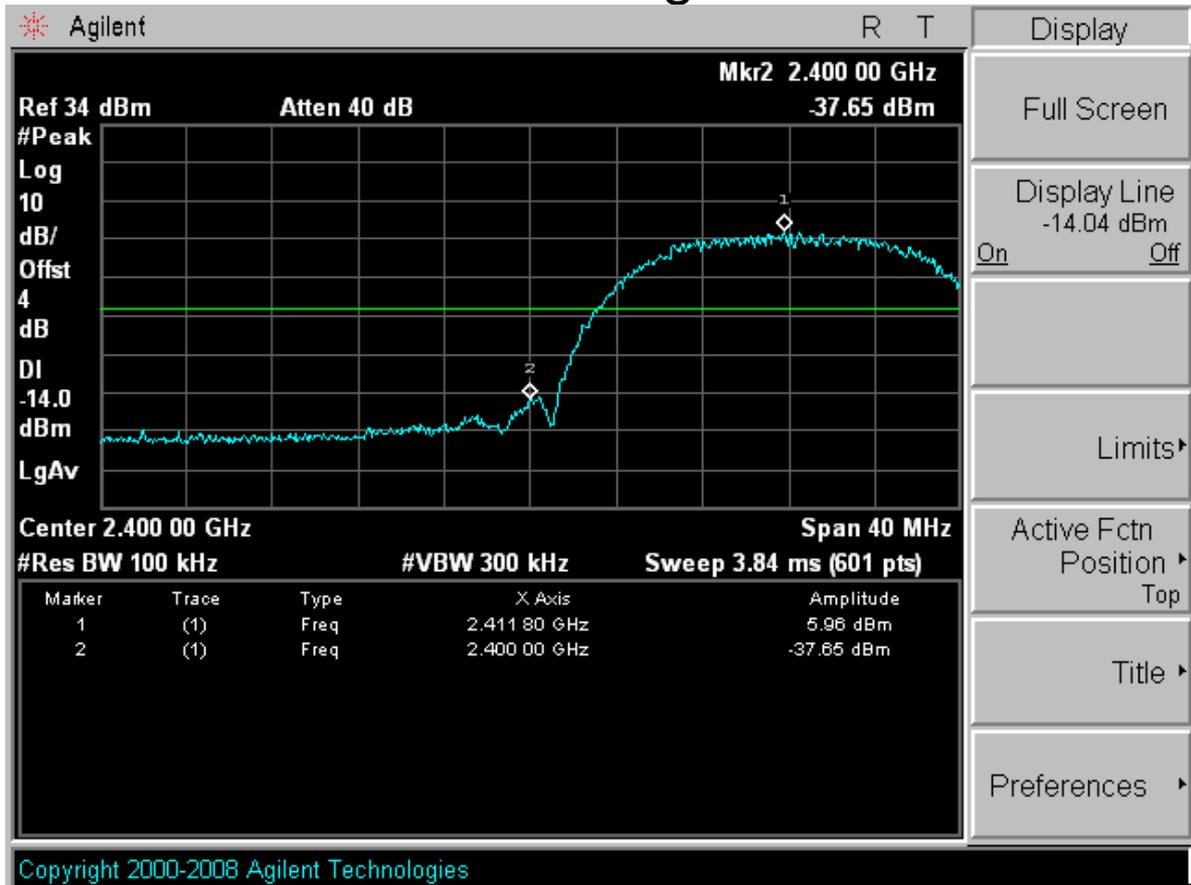
## **Appendix C**

# Band edge spurious emission

According to FCC Part 15.247 (d)

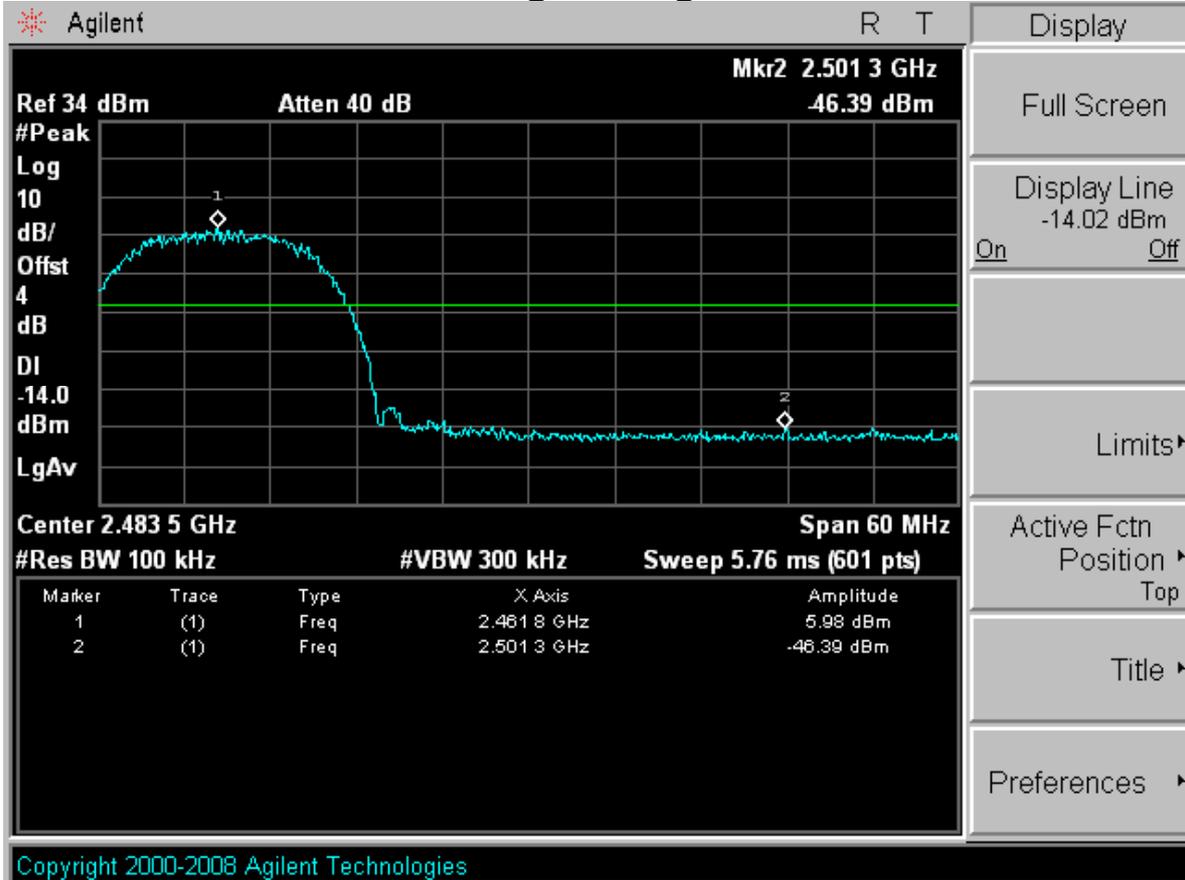


# TM1 Low edge



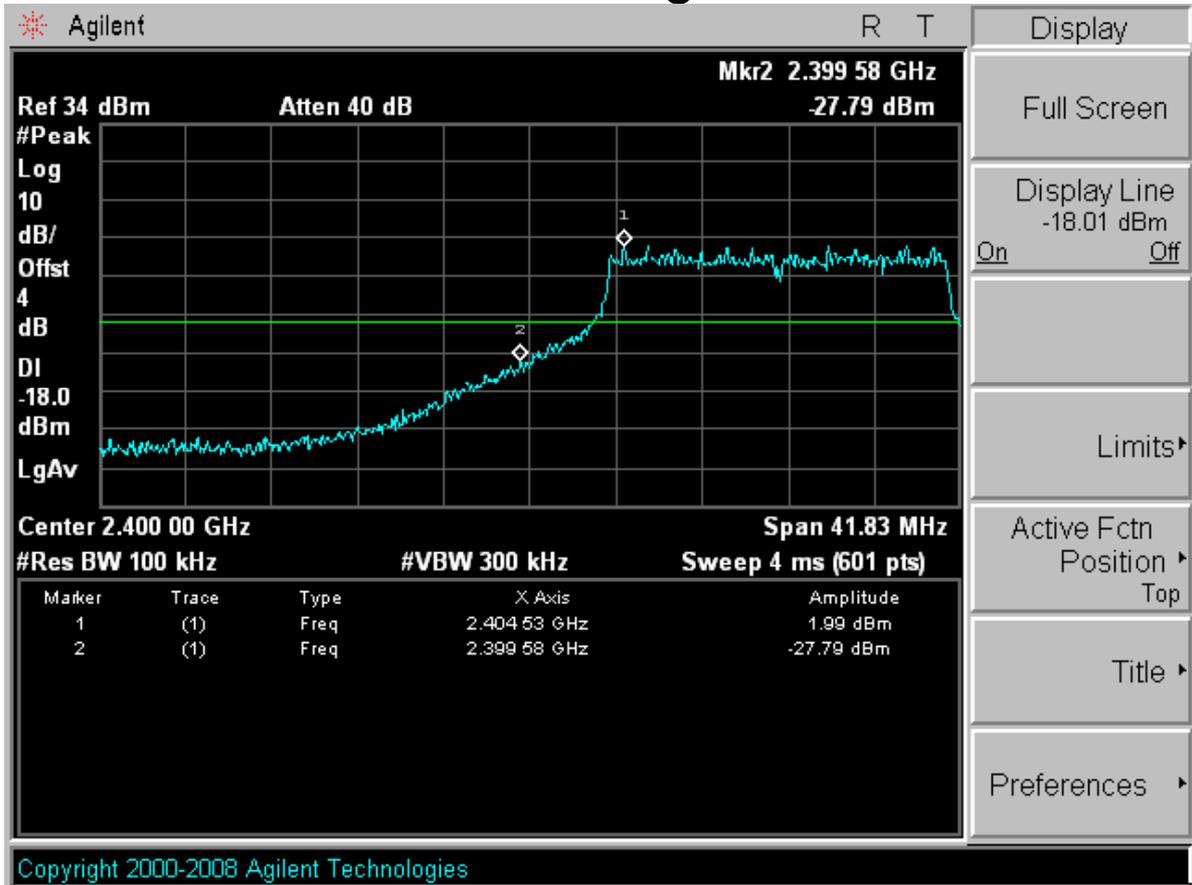


# High edge



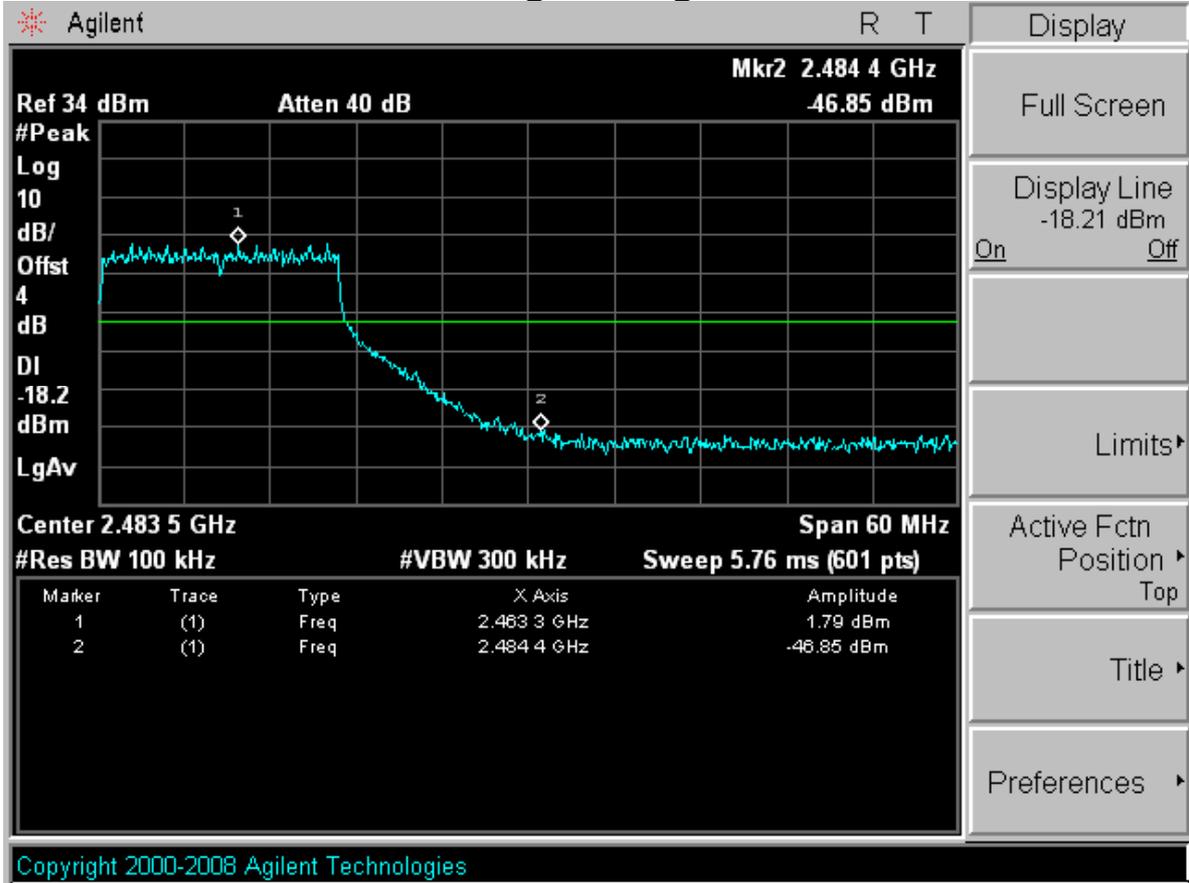


# TM2 Low edge





# High edge





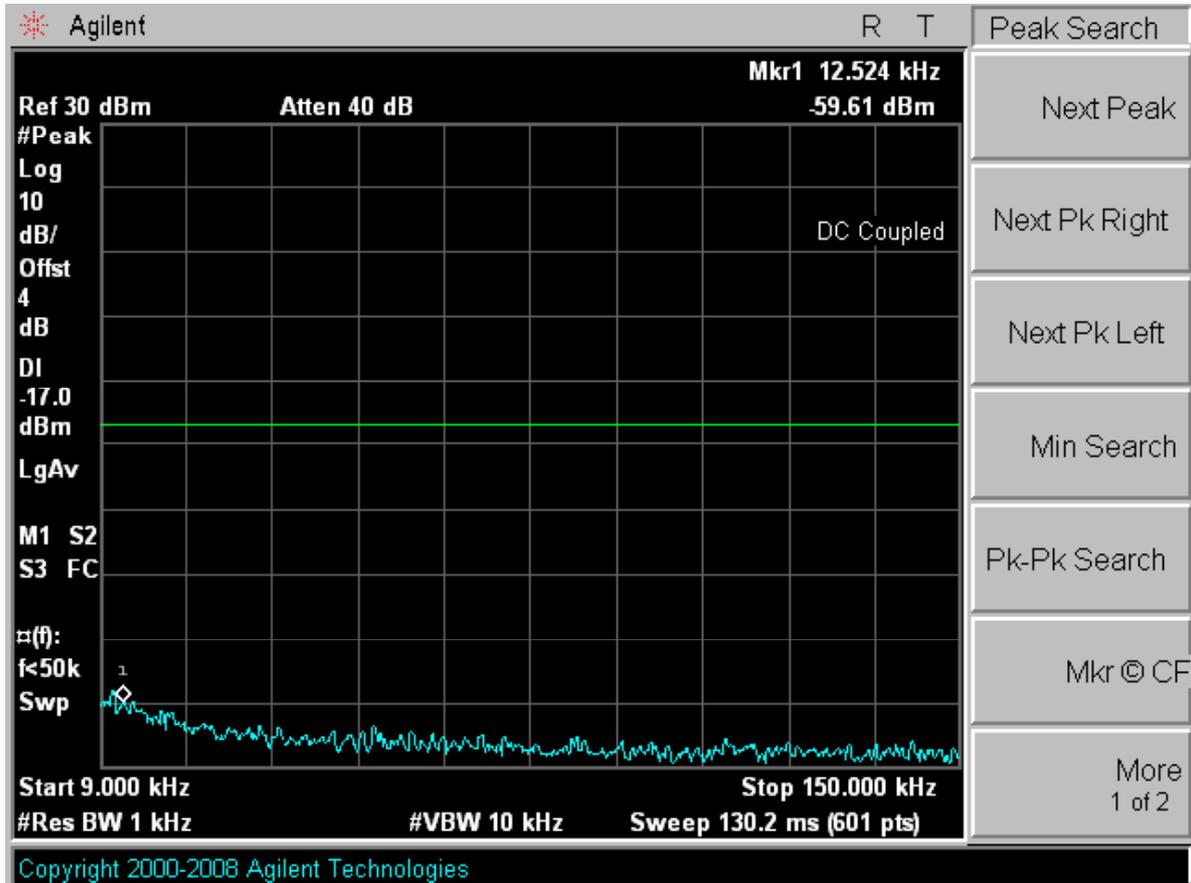
# **Appendix D**

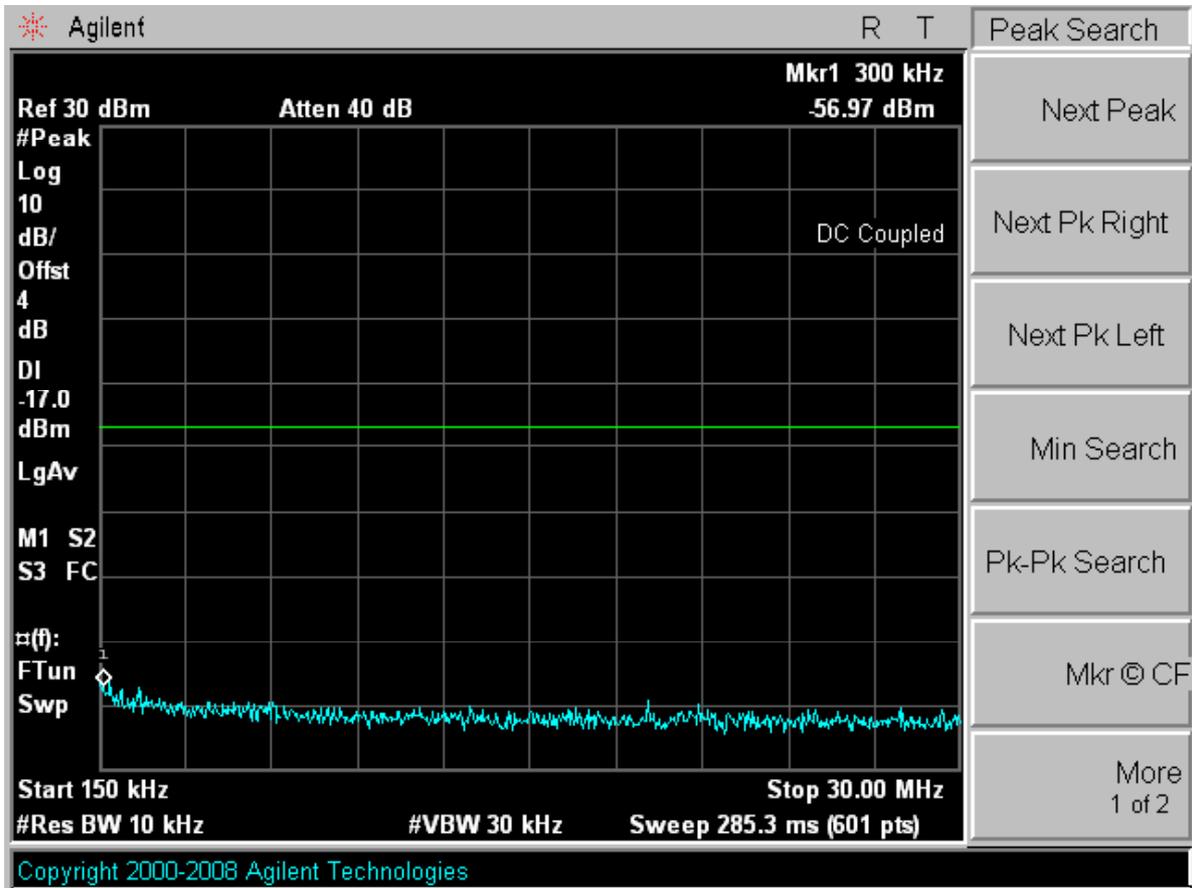
## Conducted RF spurious

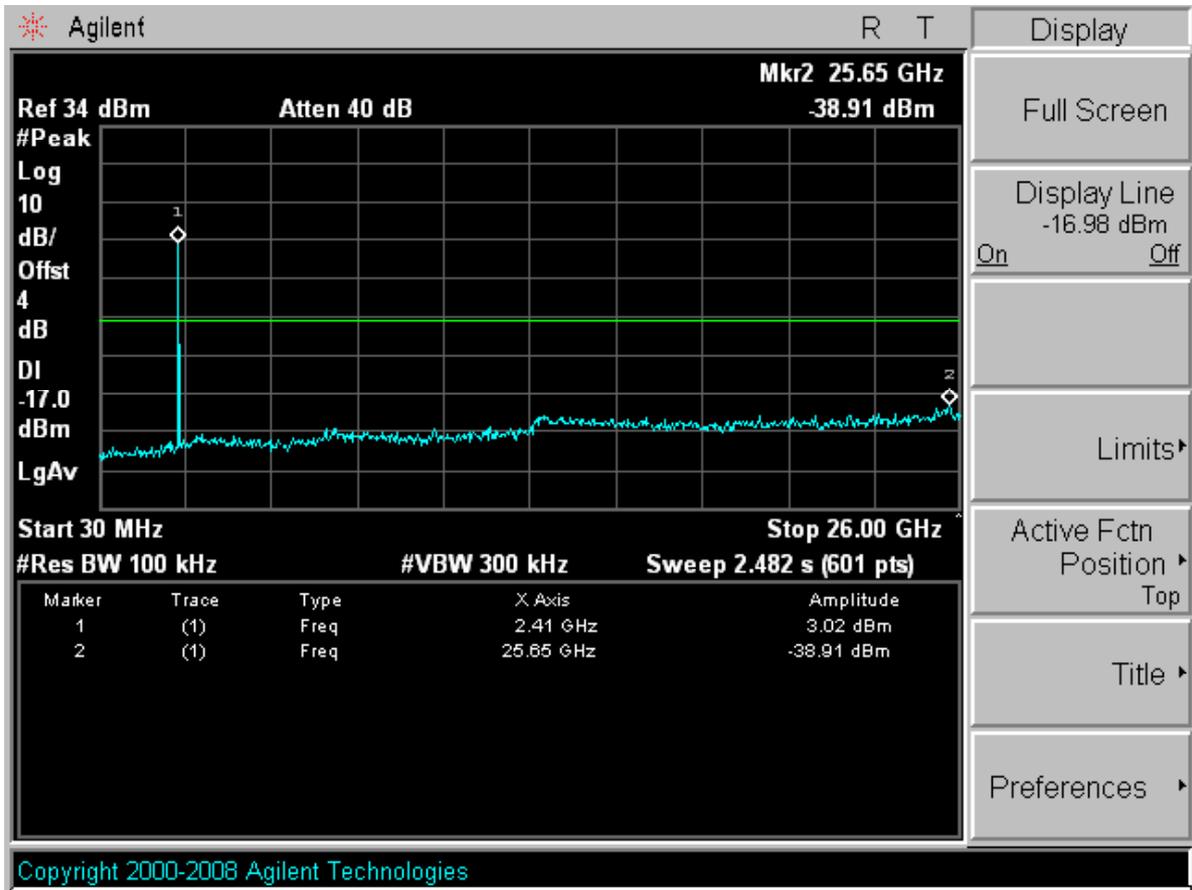
According to FCC Part 15.247 (d)



# TM1 Channel 1

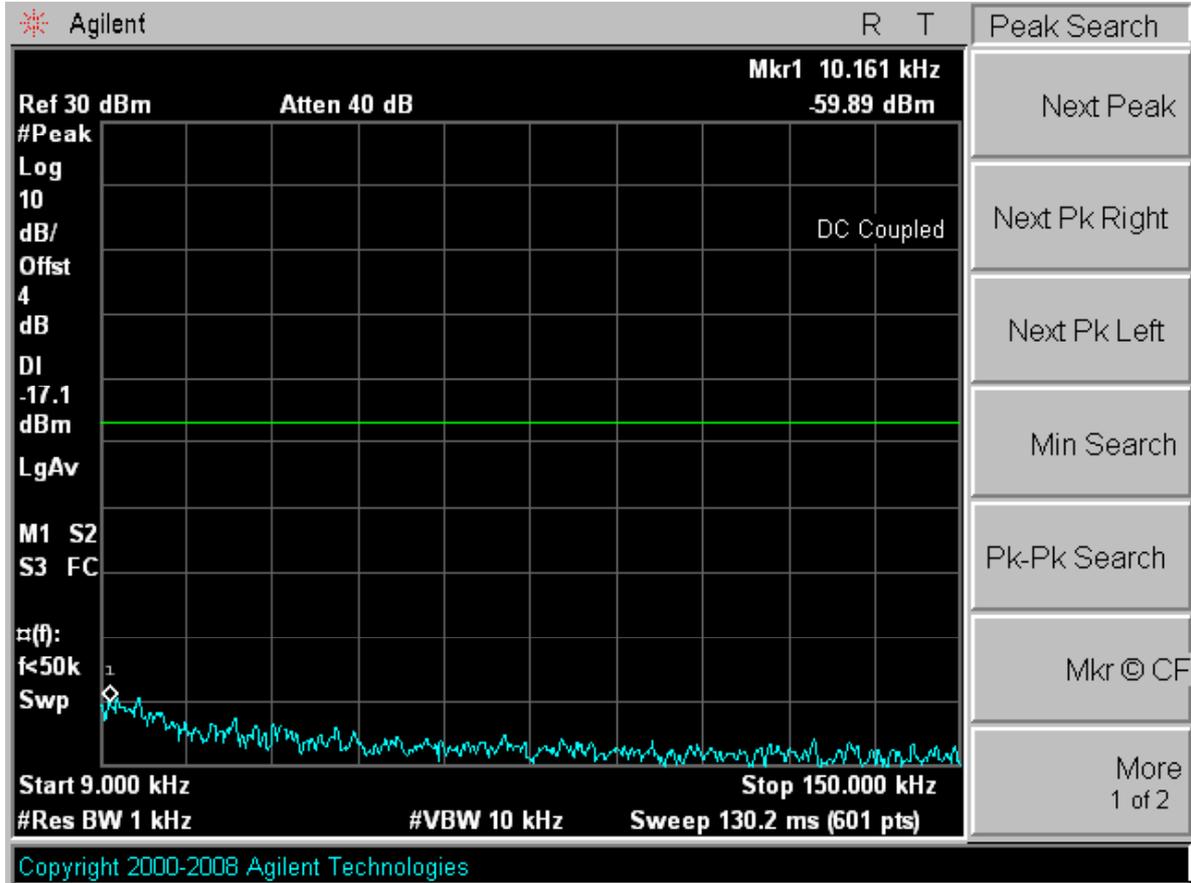


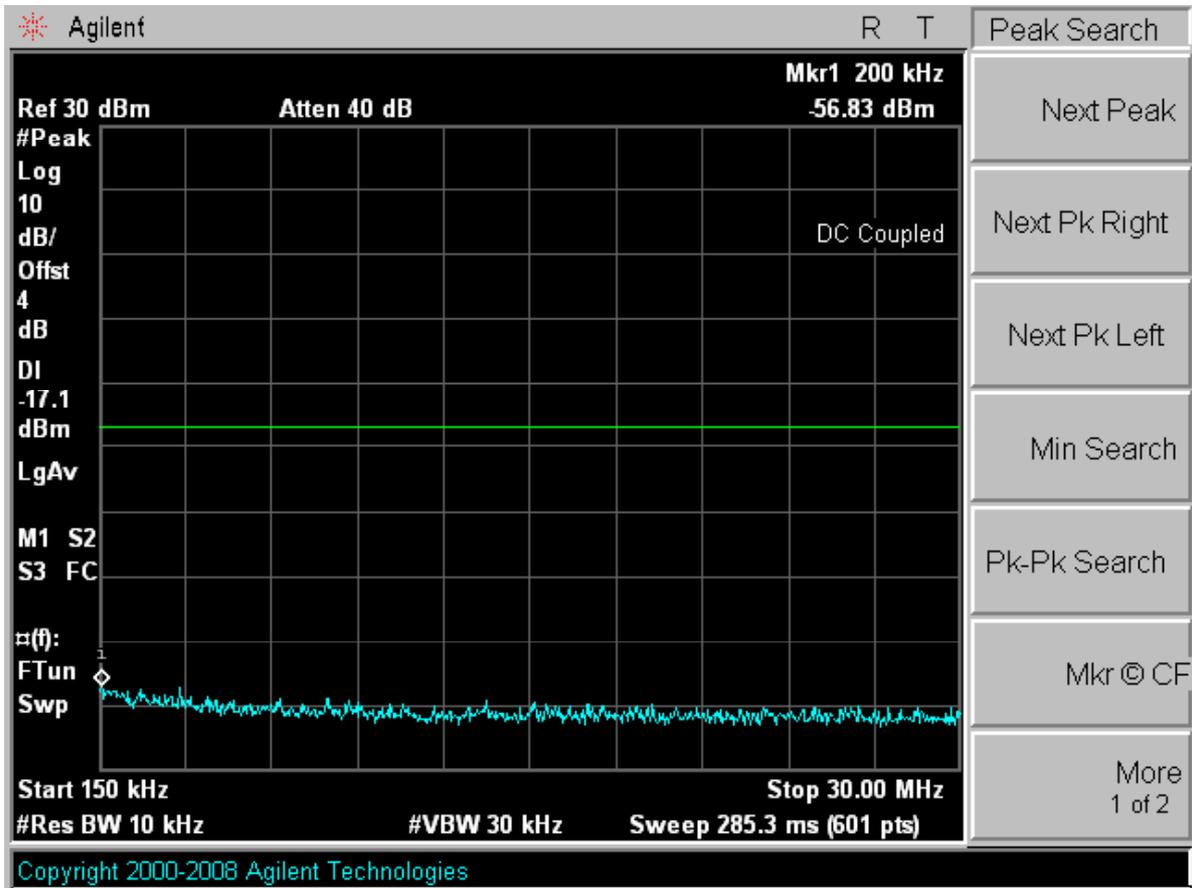


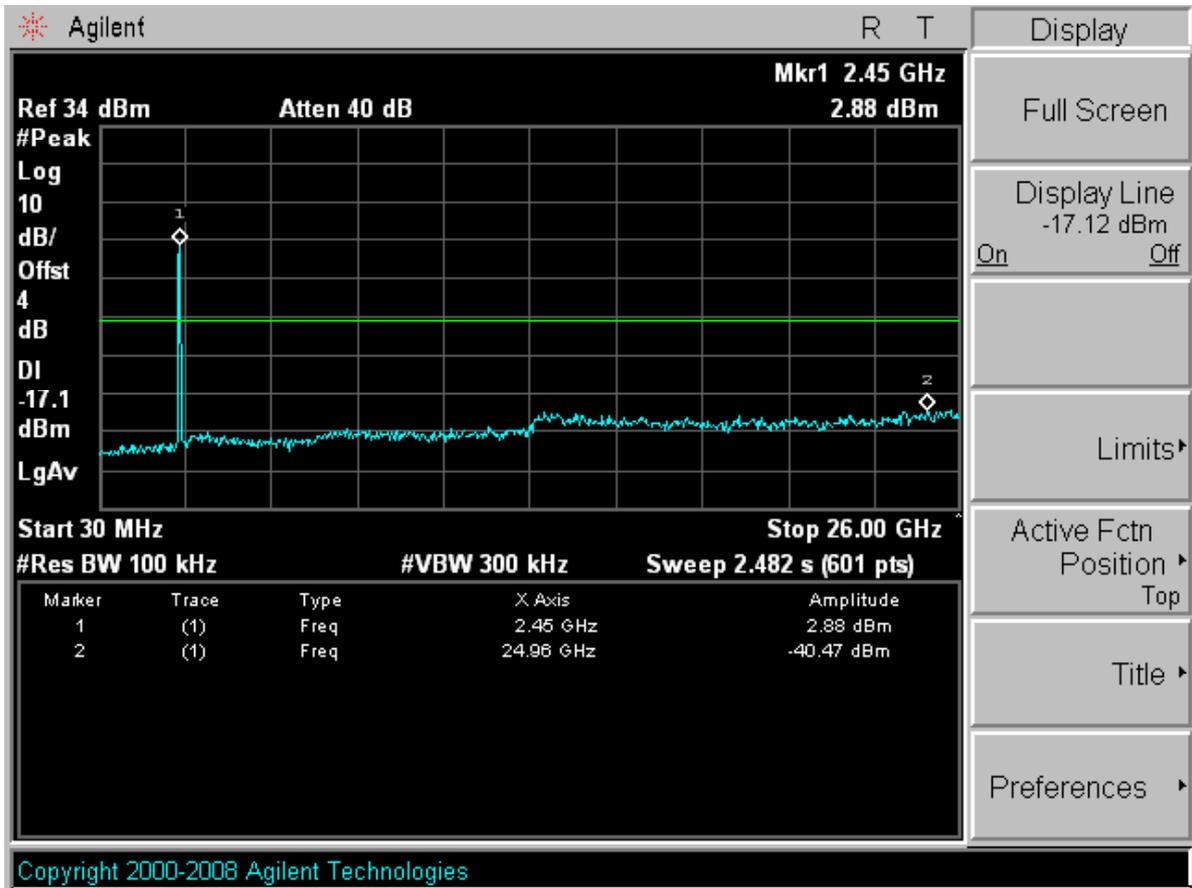




# Channel 6

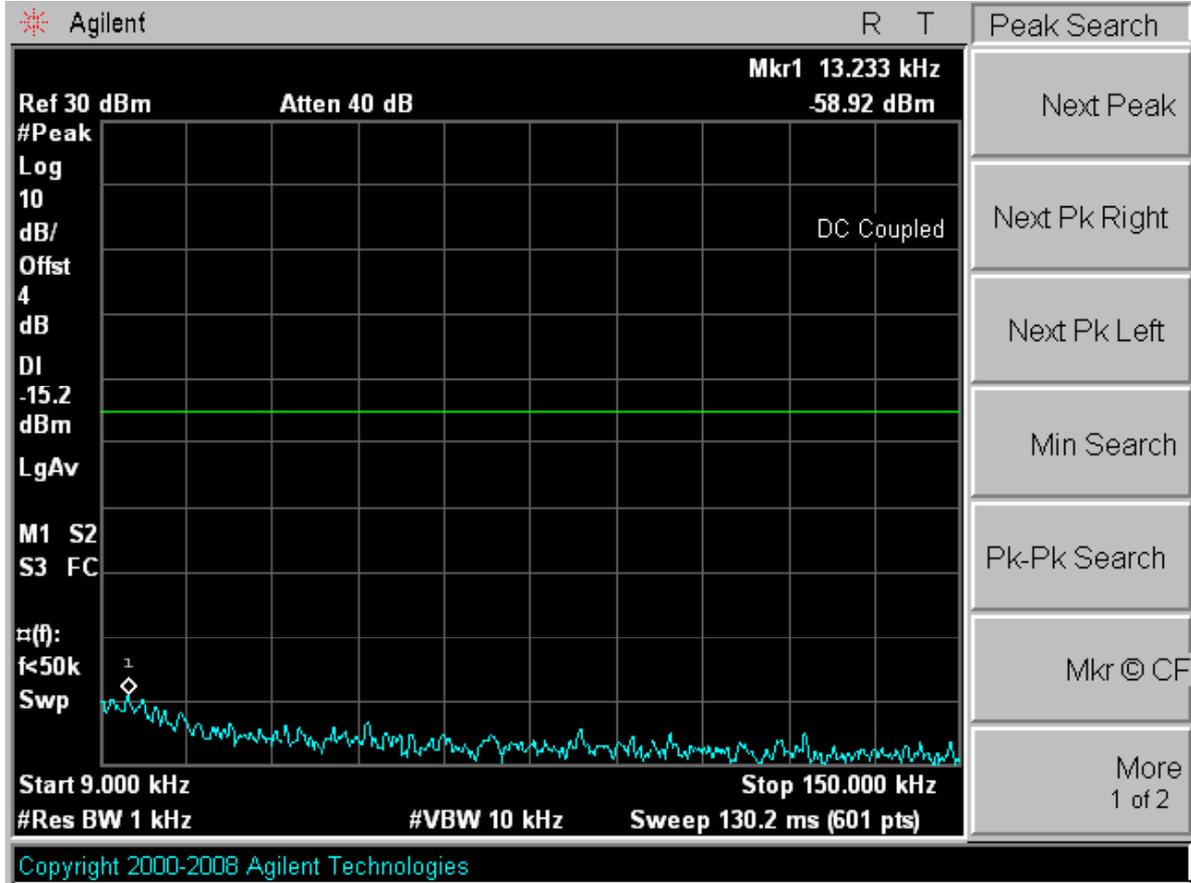


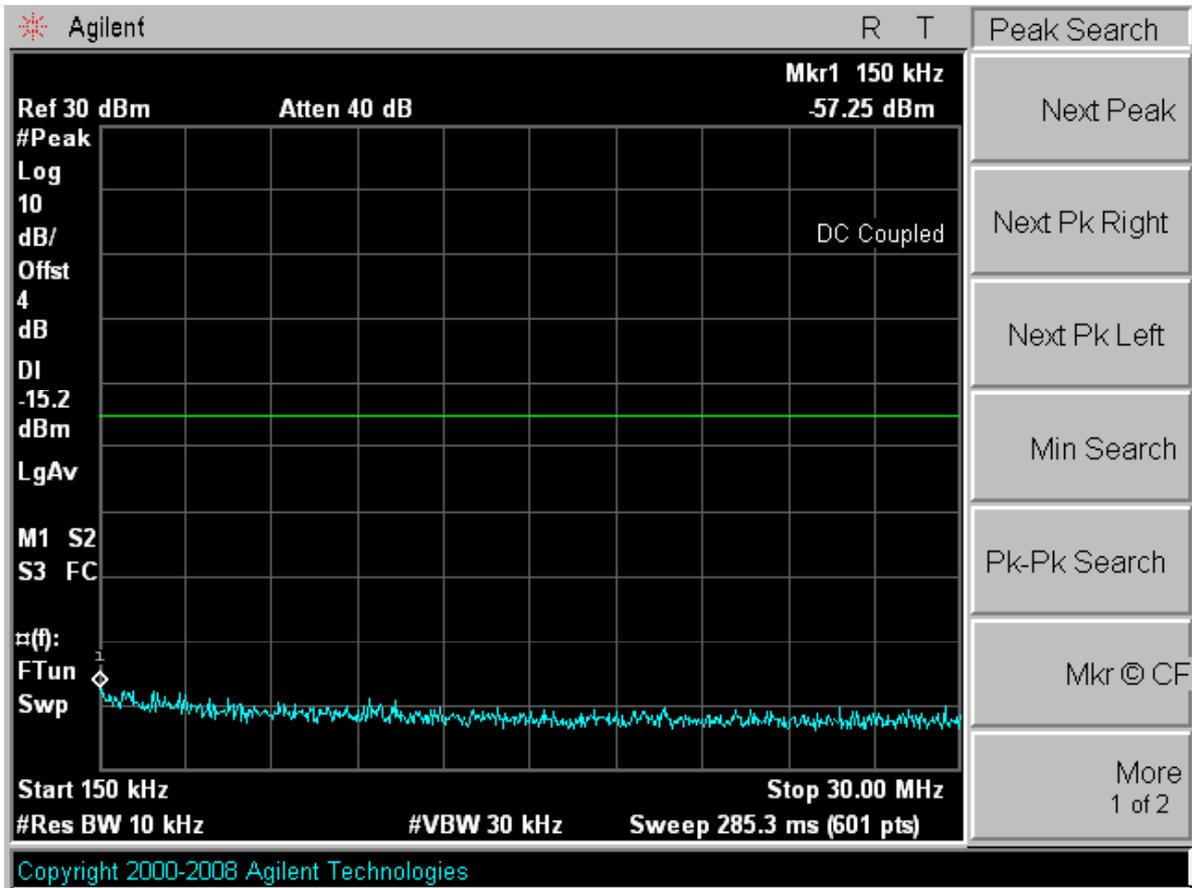


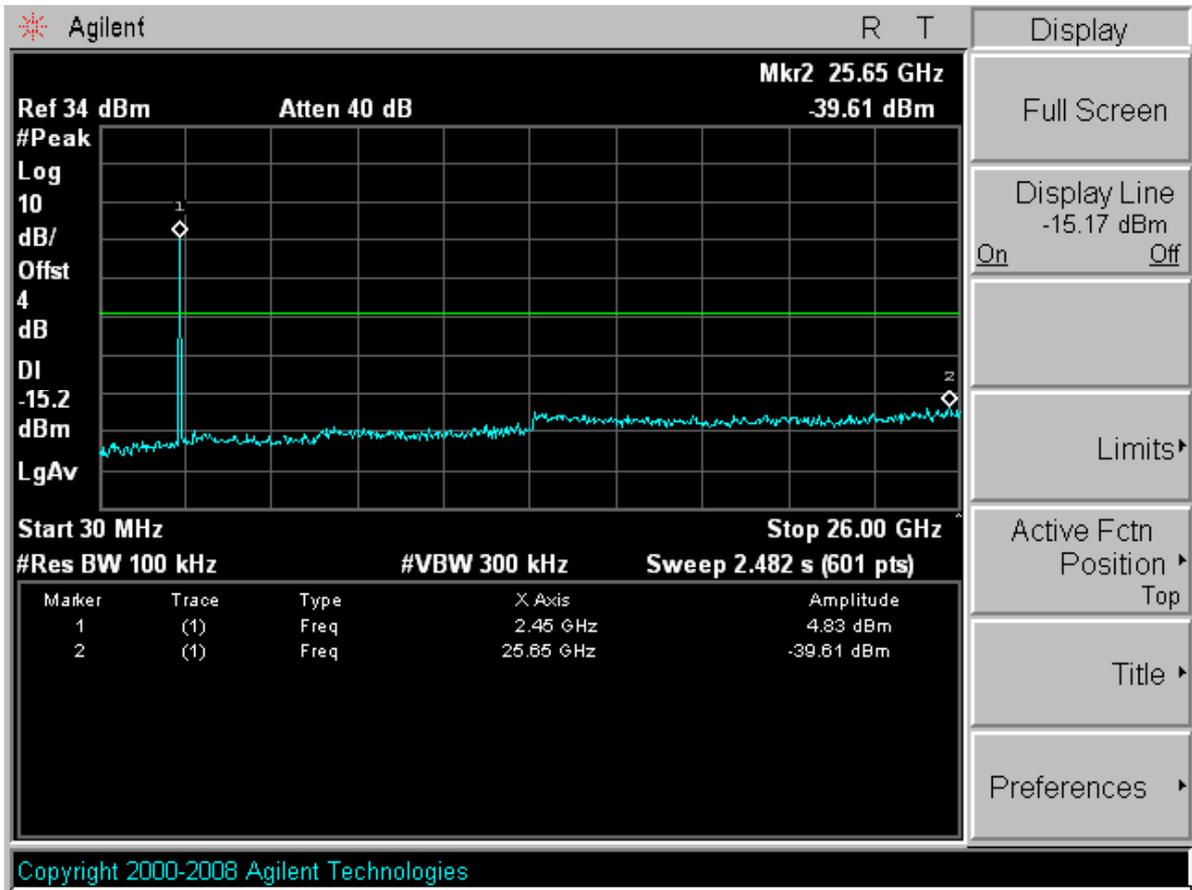




# Channel 11

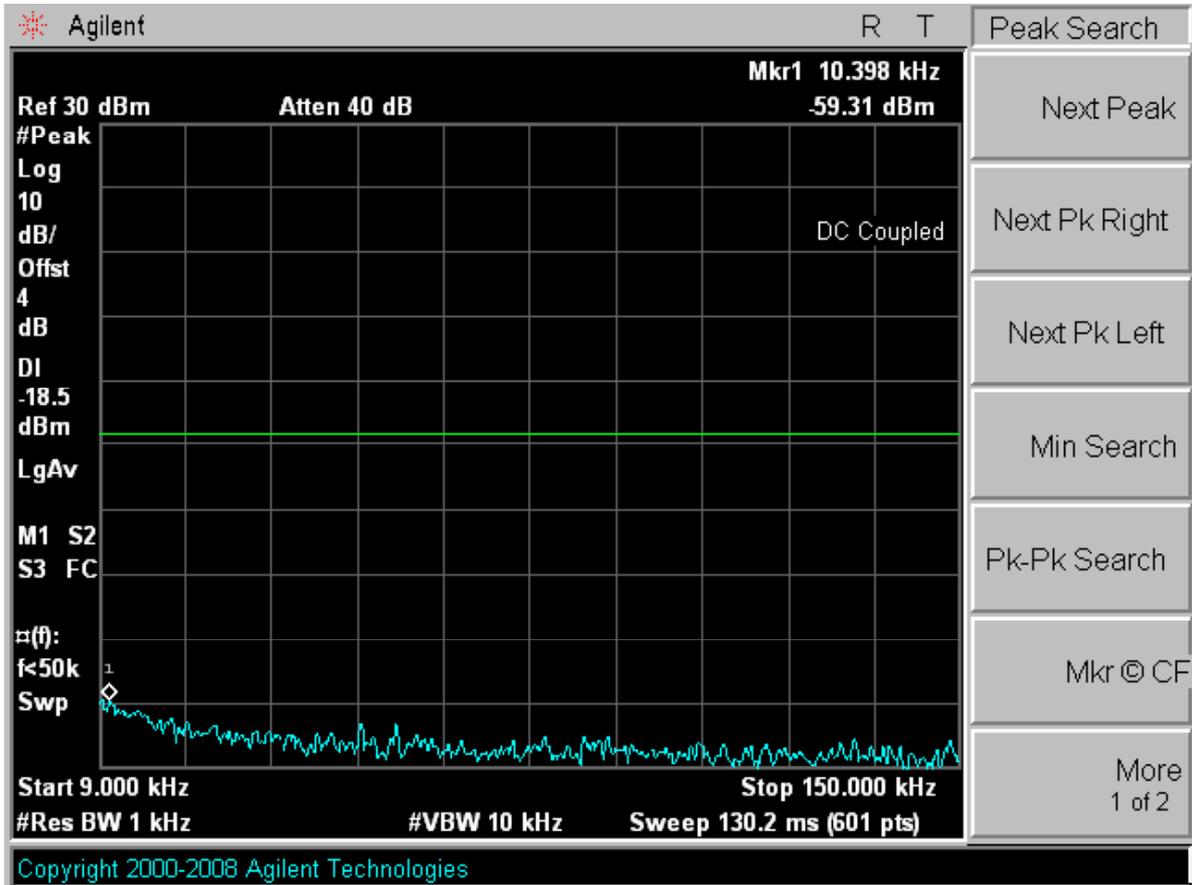


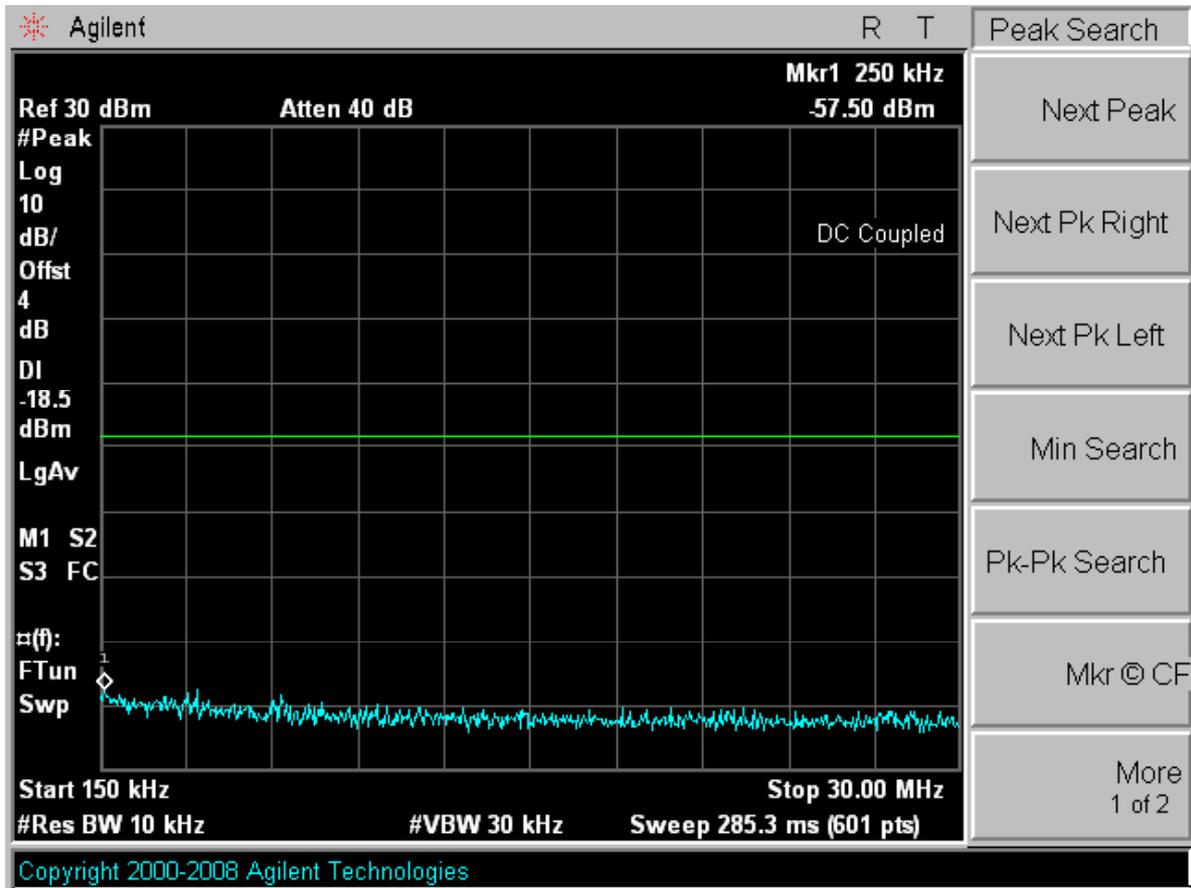


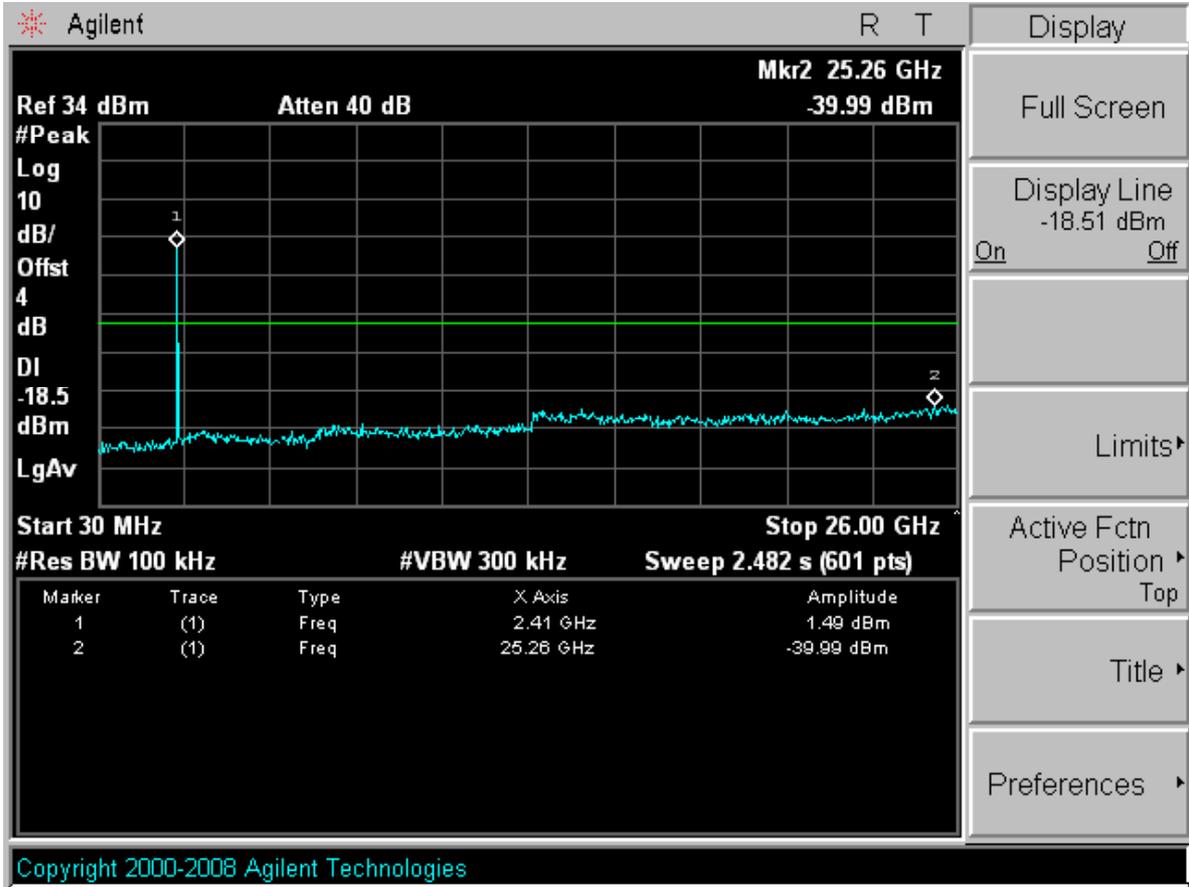




# TM2 Channel 1

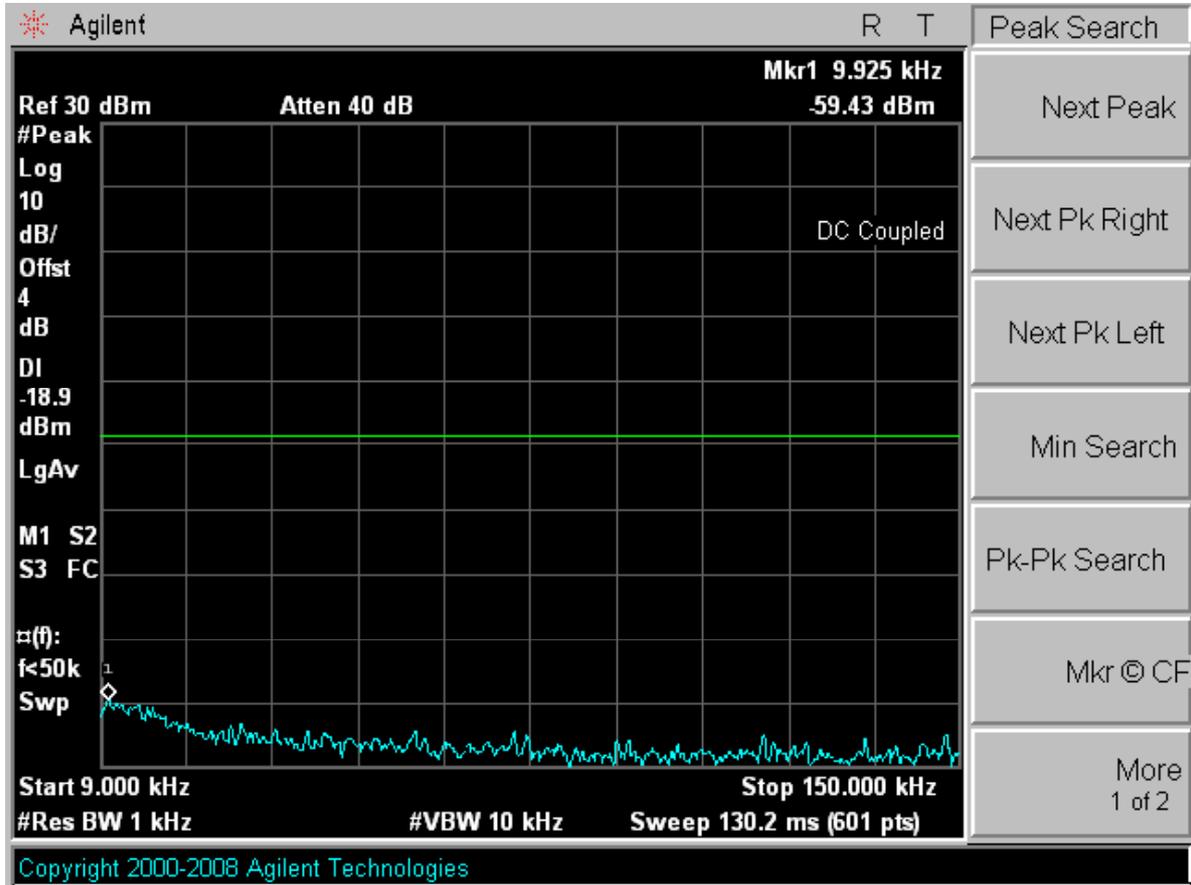


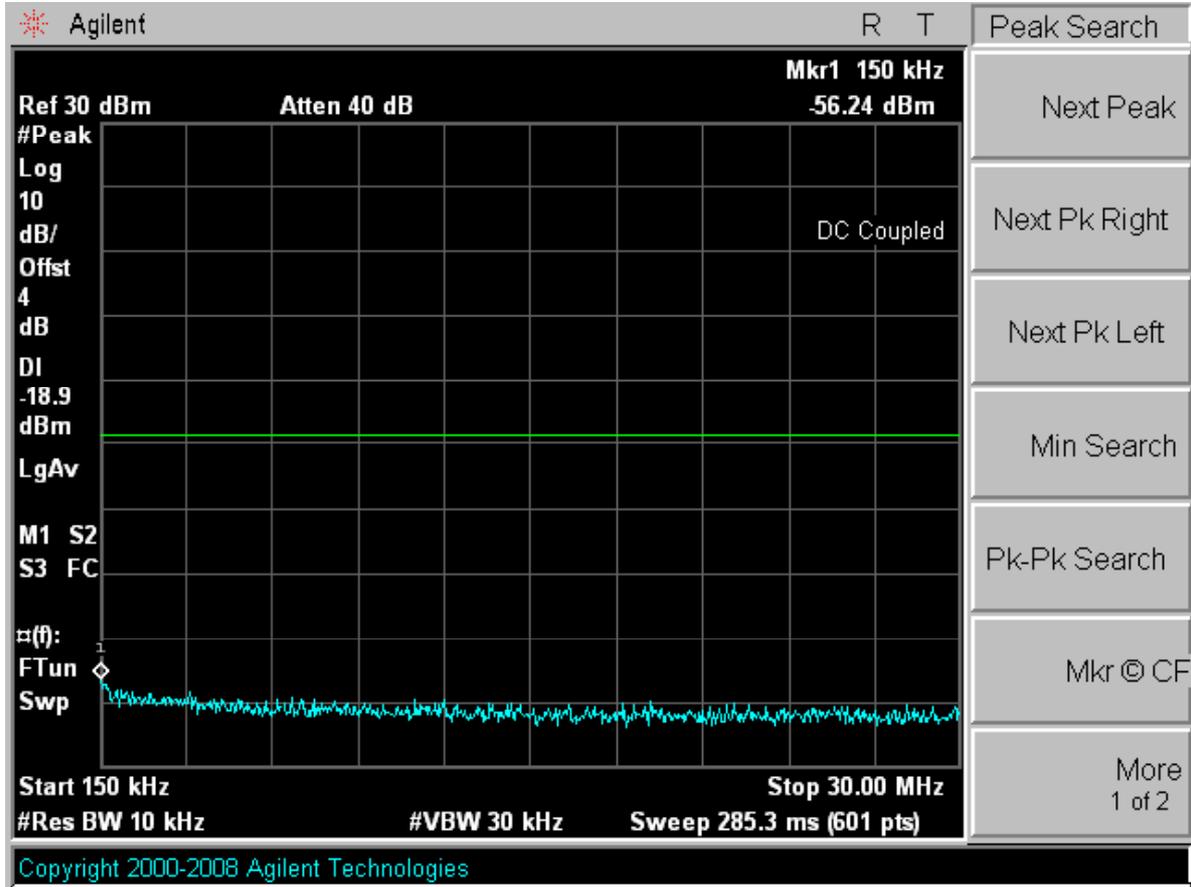


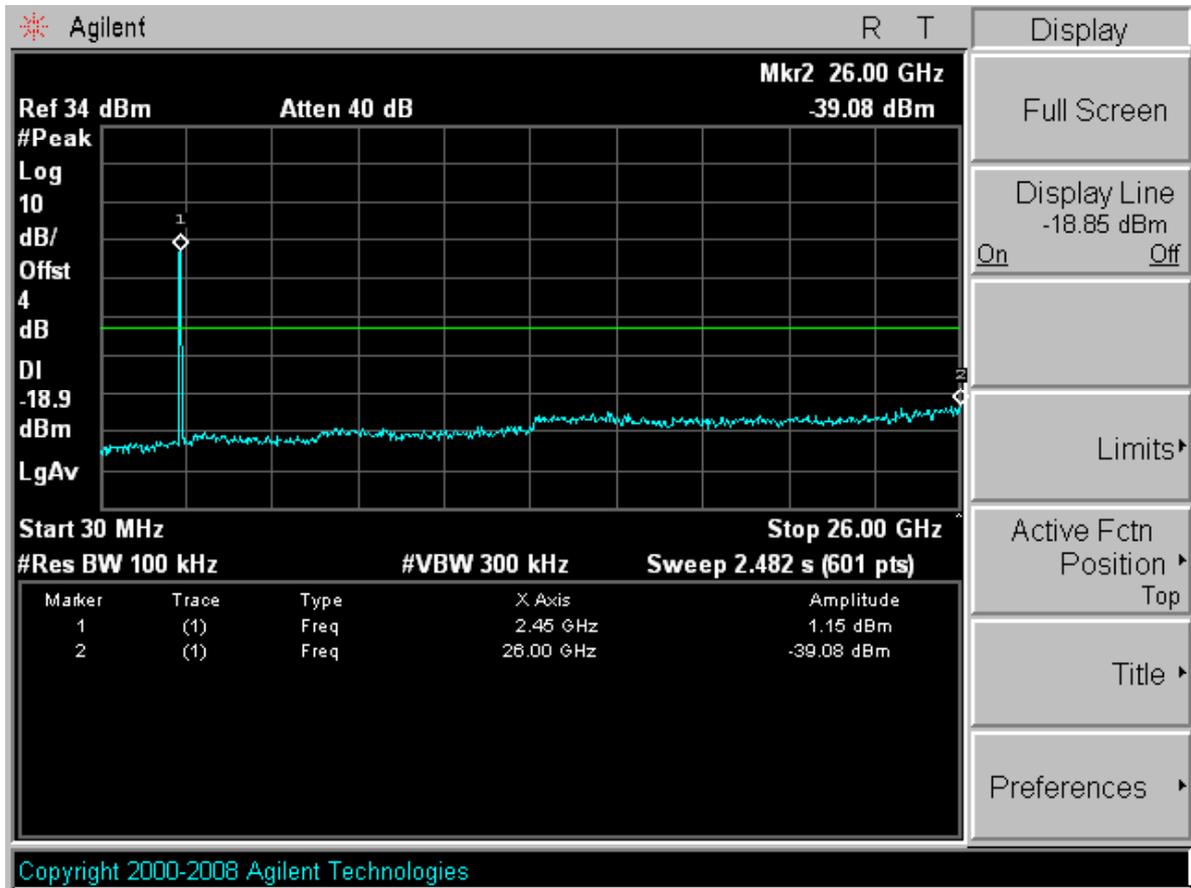




# Channel 6

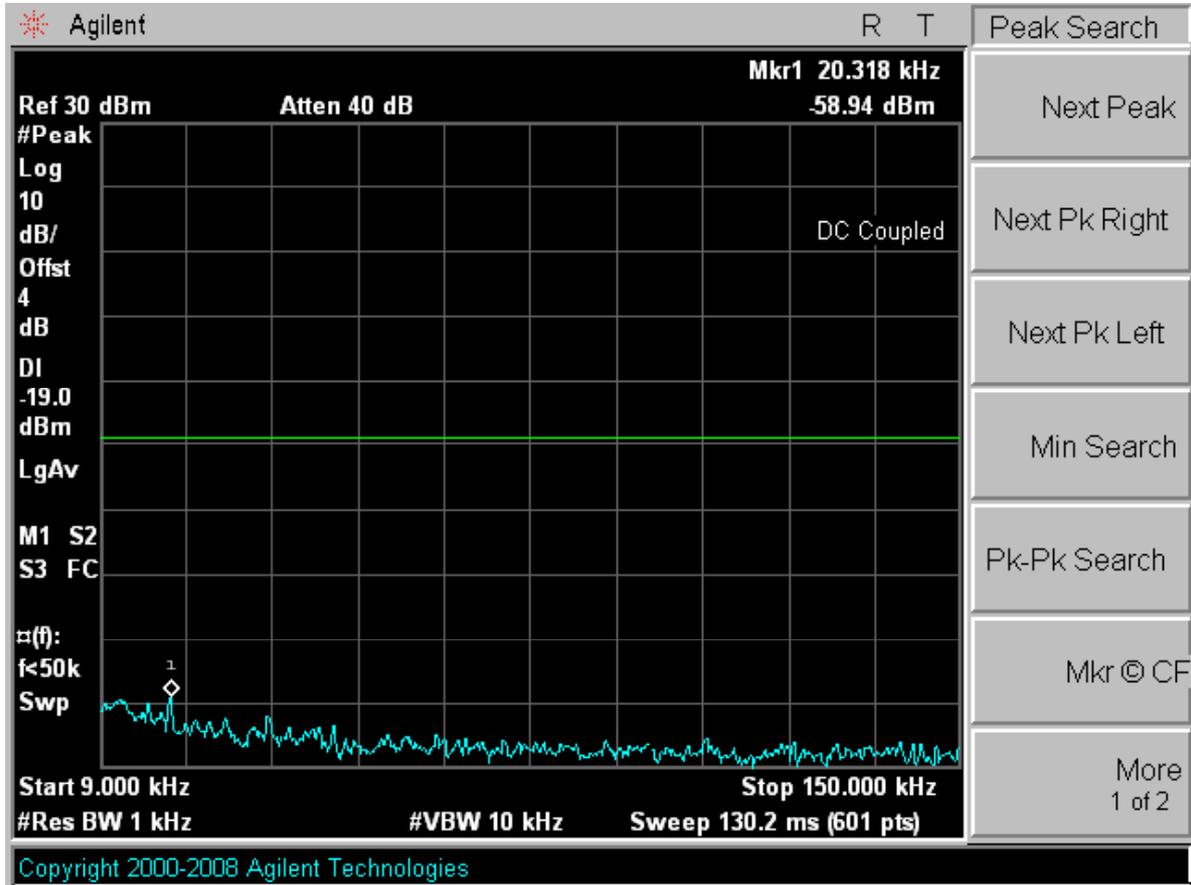


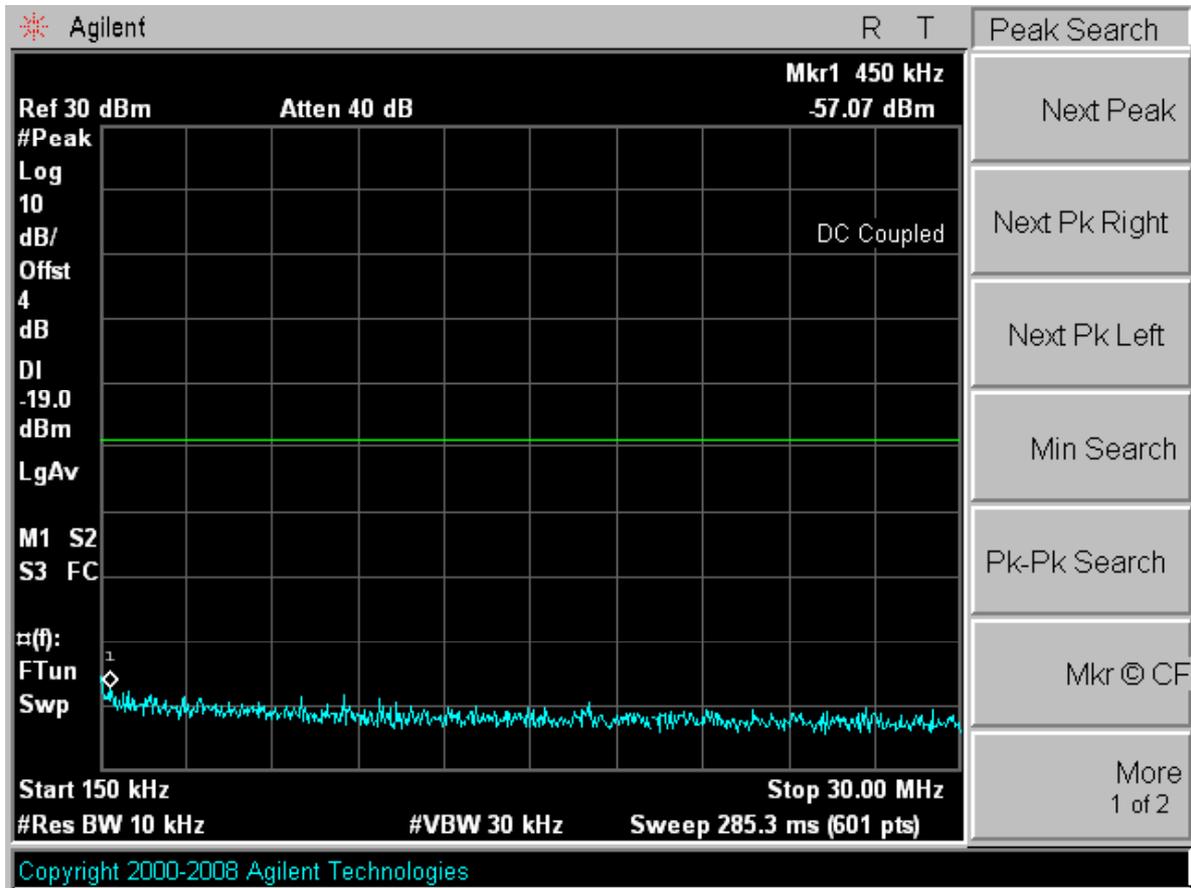


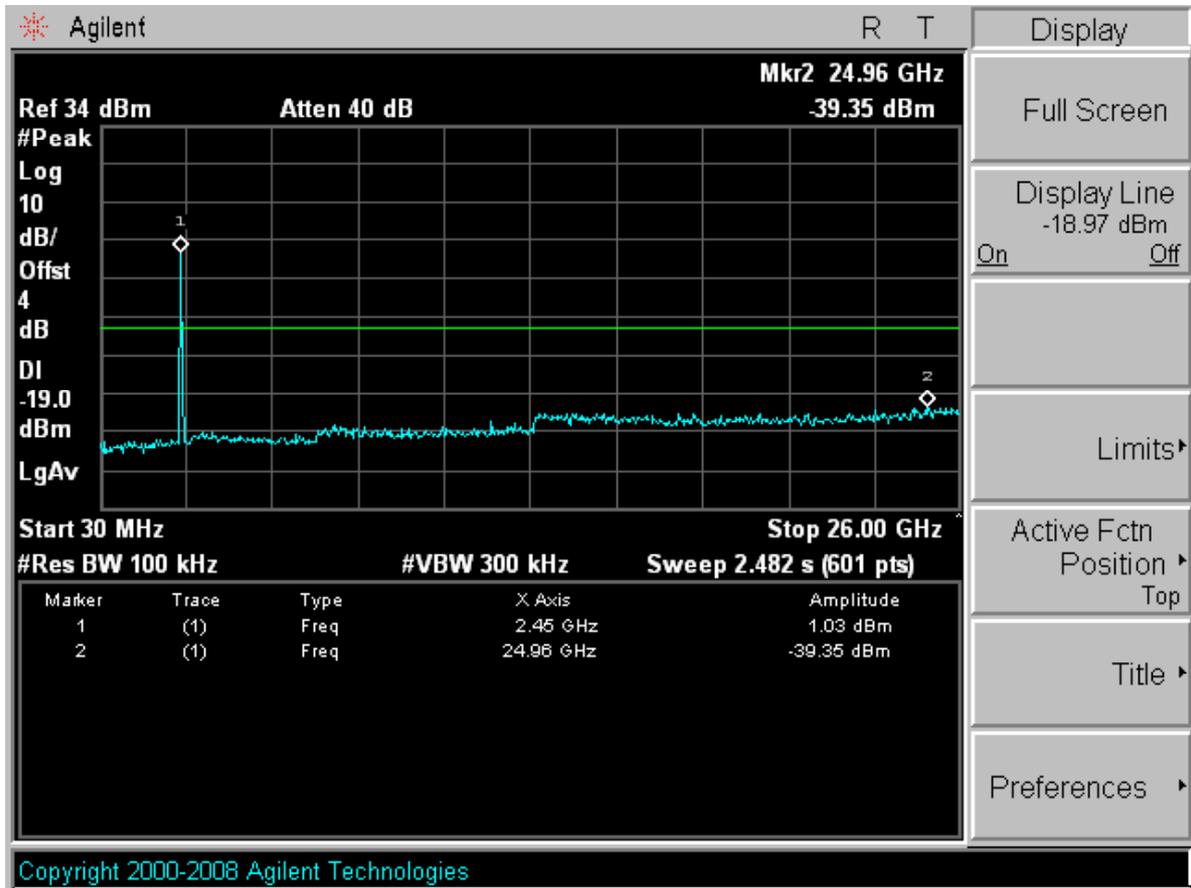




# Channel 11









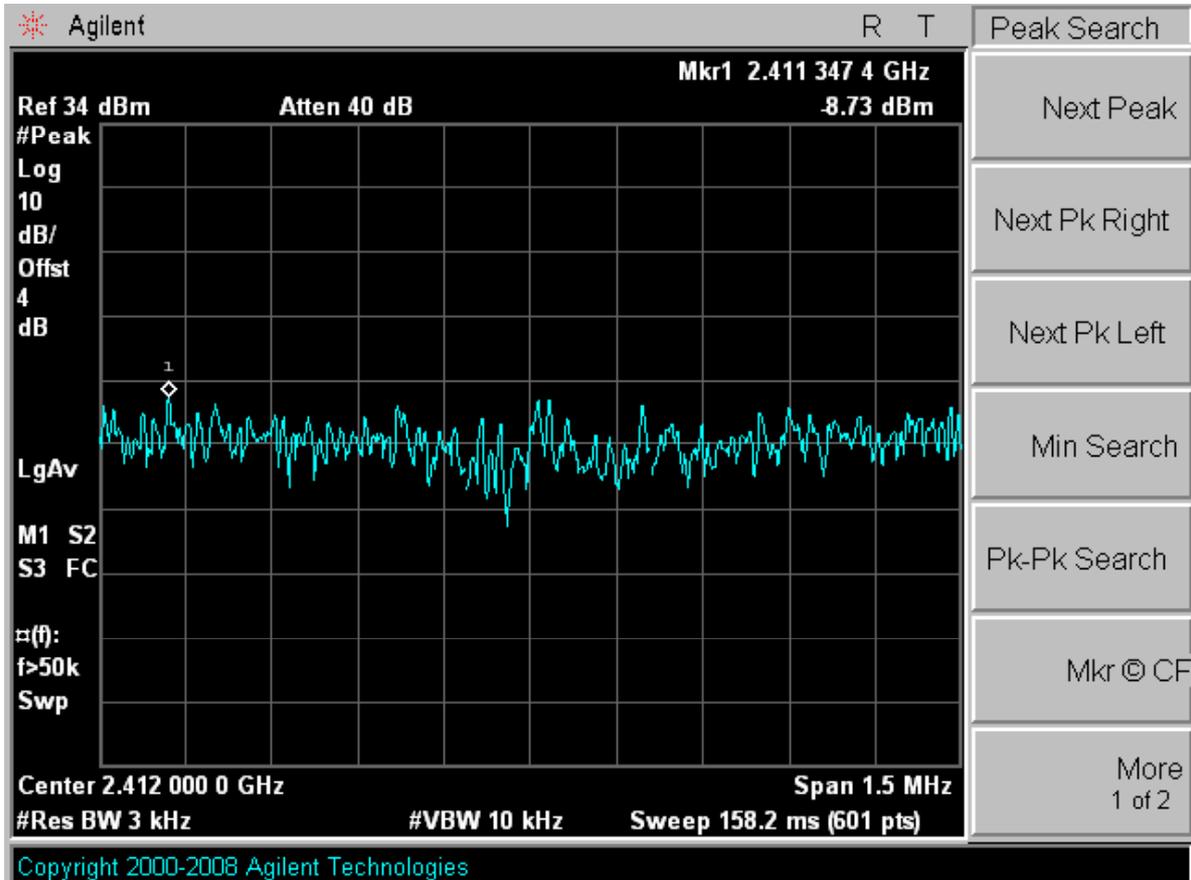
# **Appendix E**

## Power spectral density

According to FCC Part 15.247 (e)

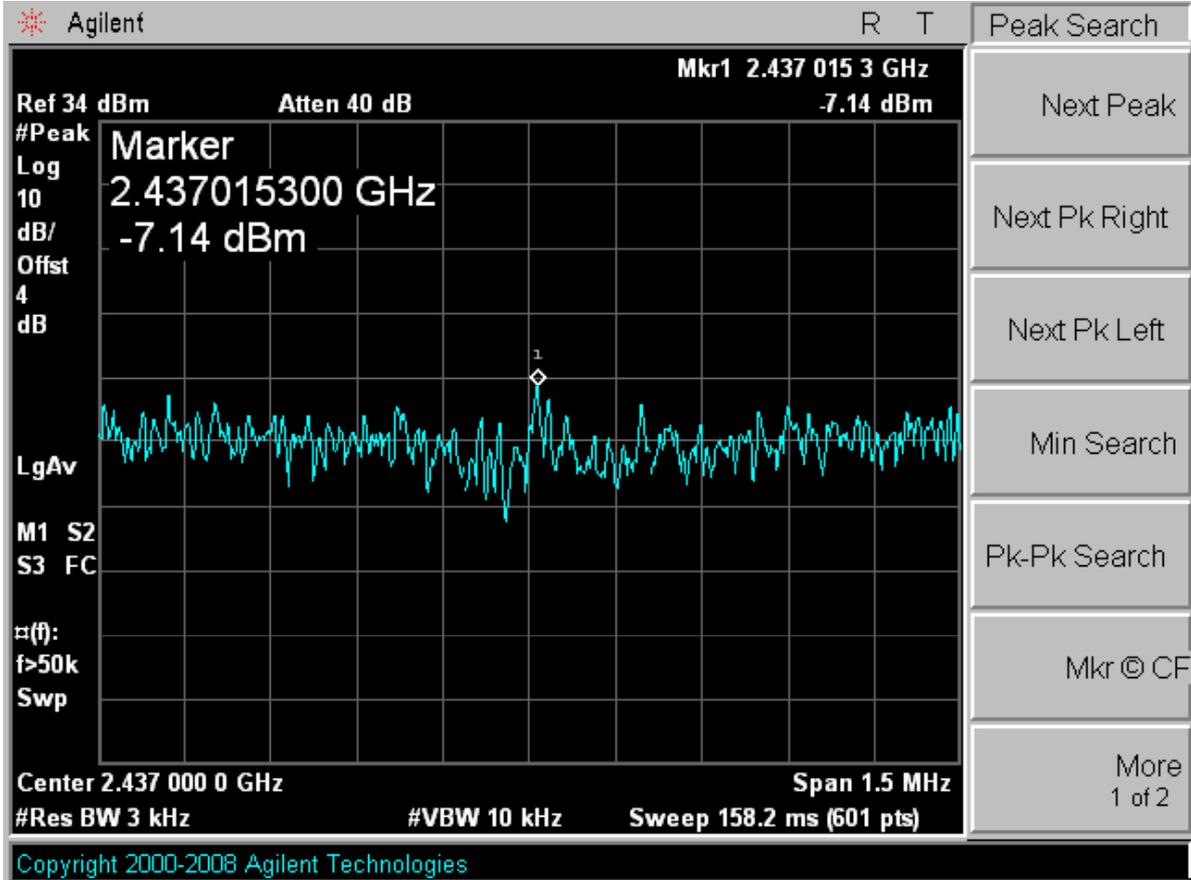


# TM1 Channel 1



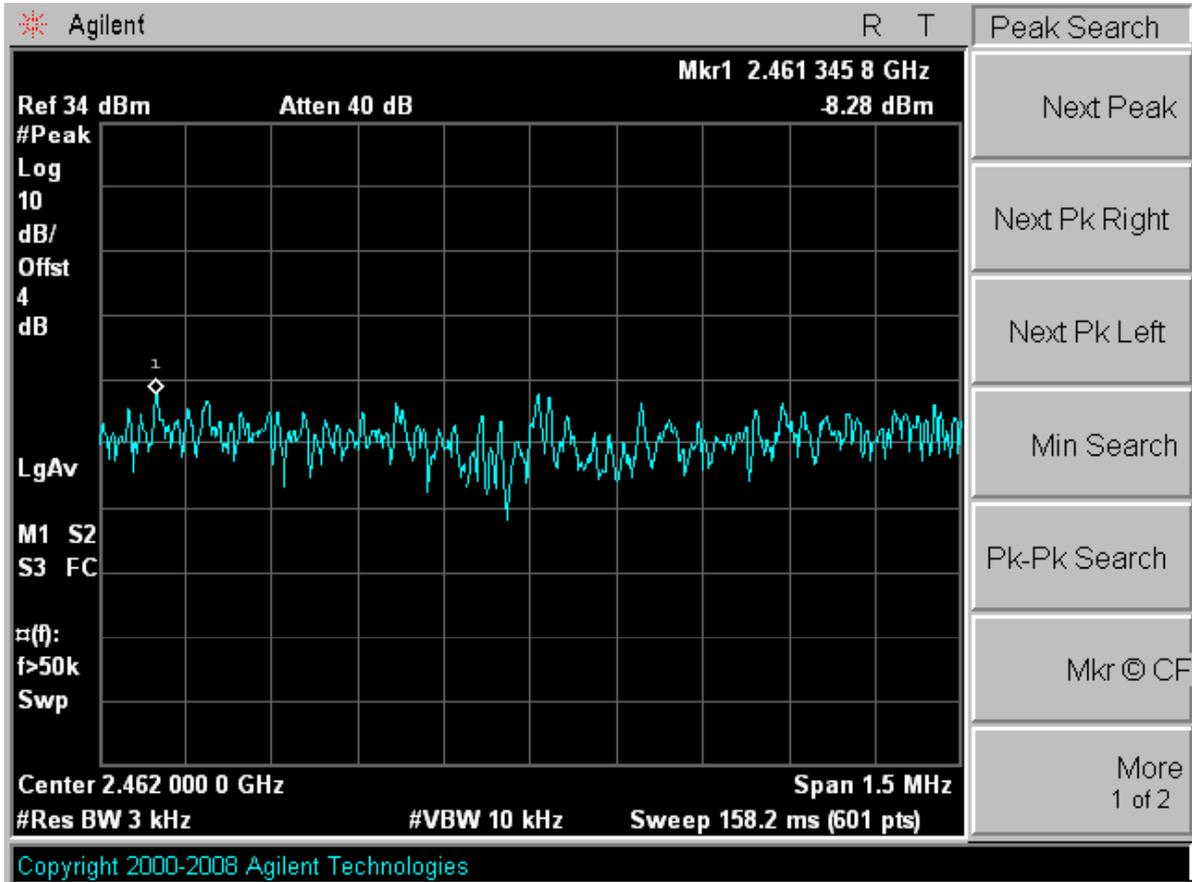


# Channel 6



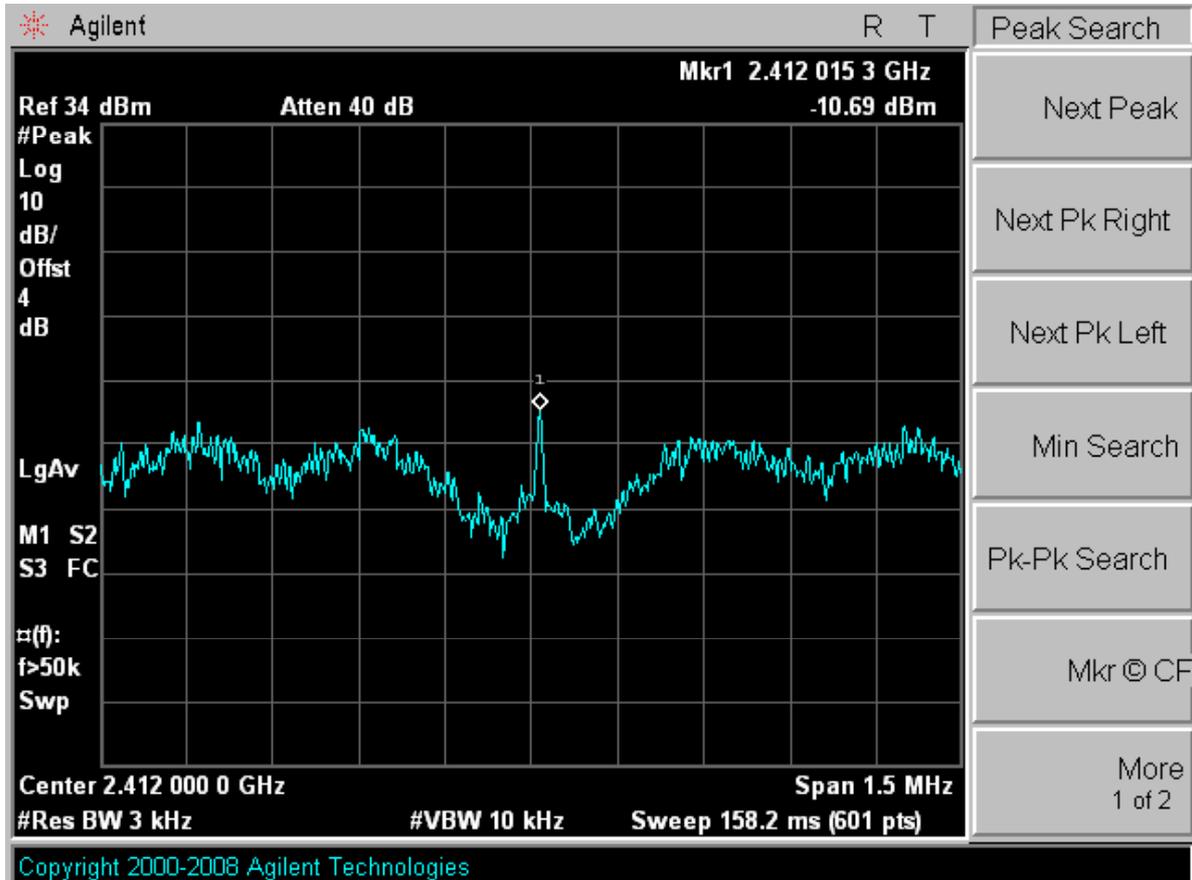


# Channel 11



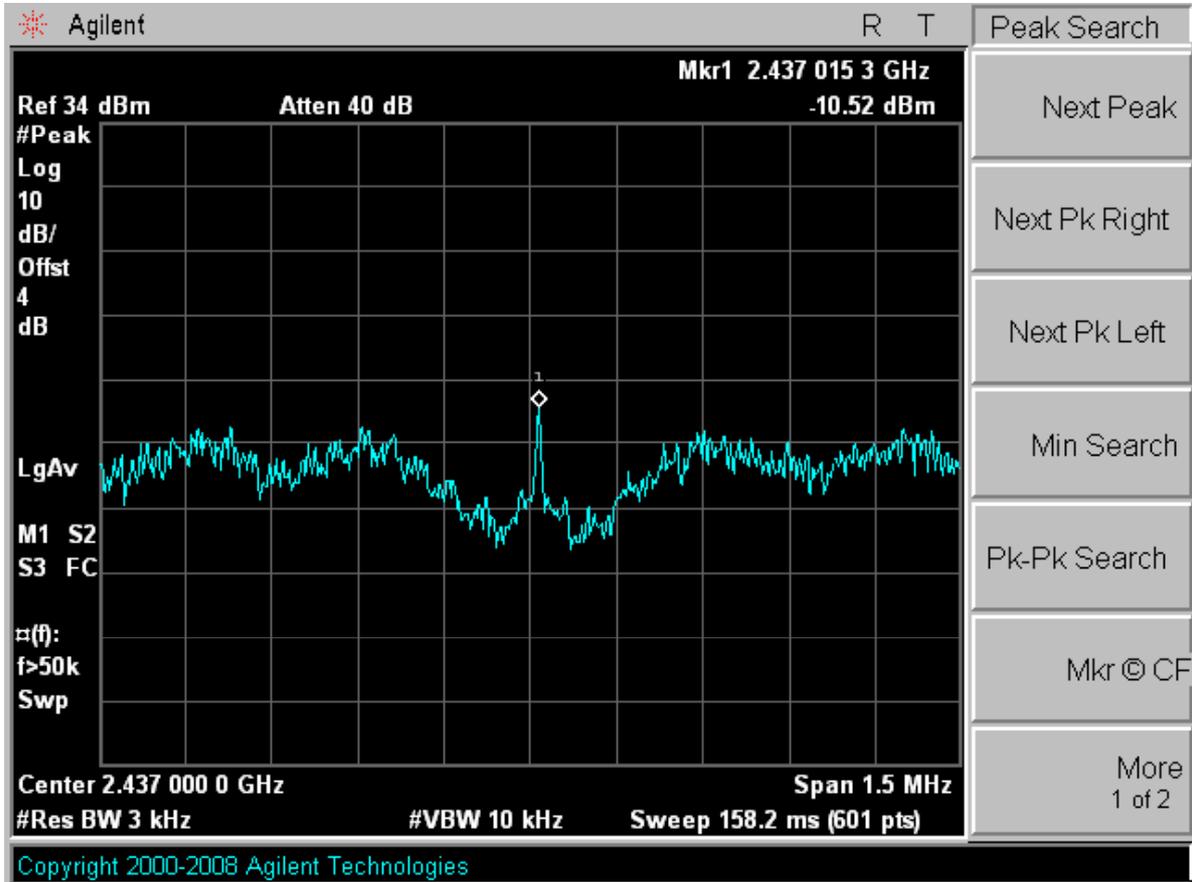


# TM2 Channel 1



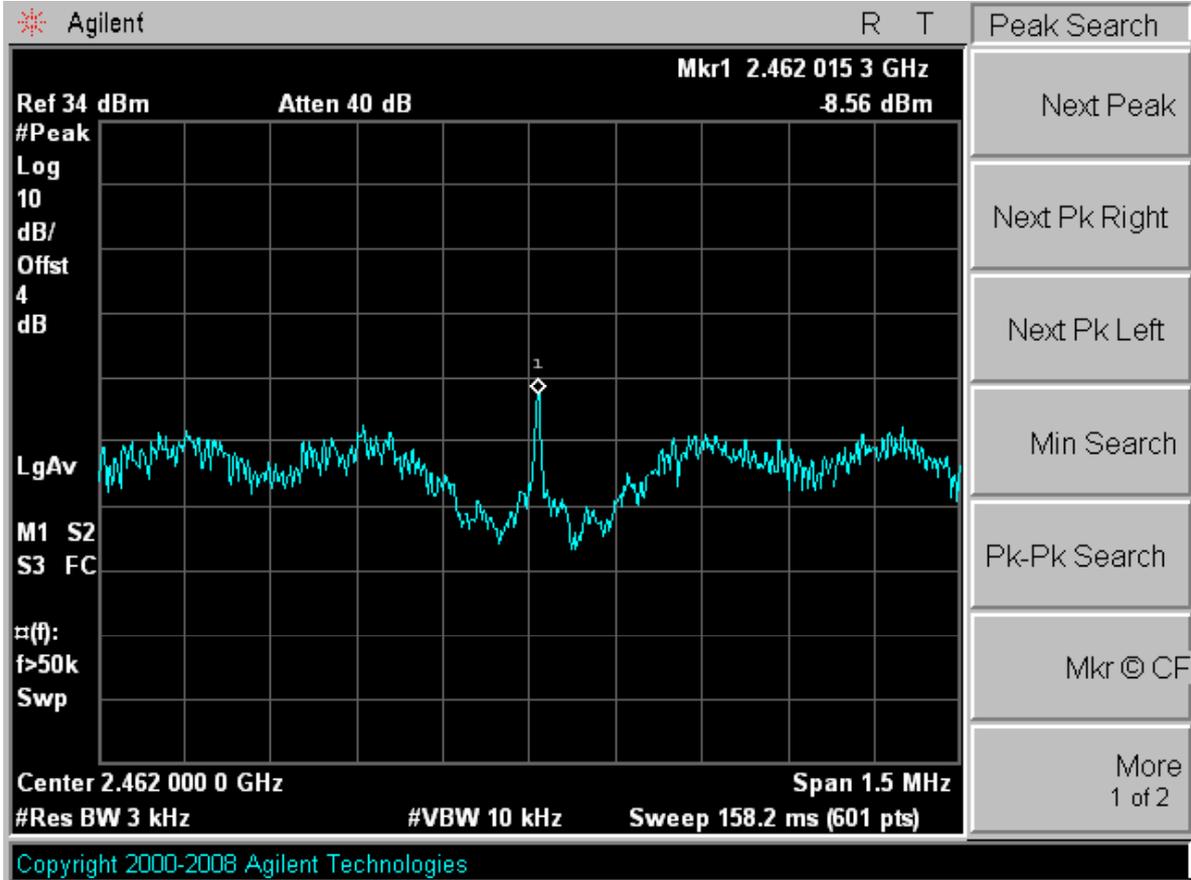


# Channel 6





# Channel 11





## **Appendix F**

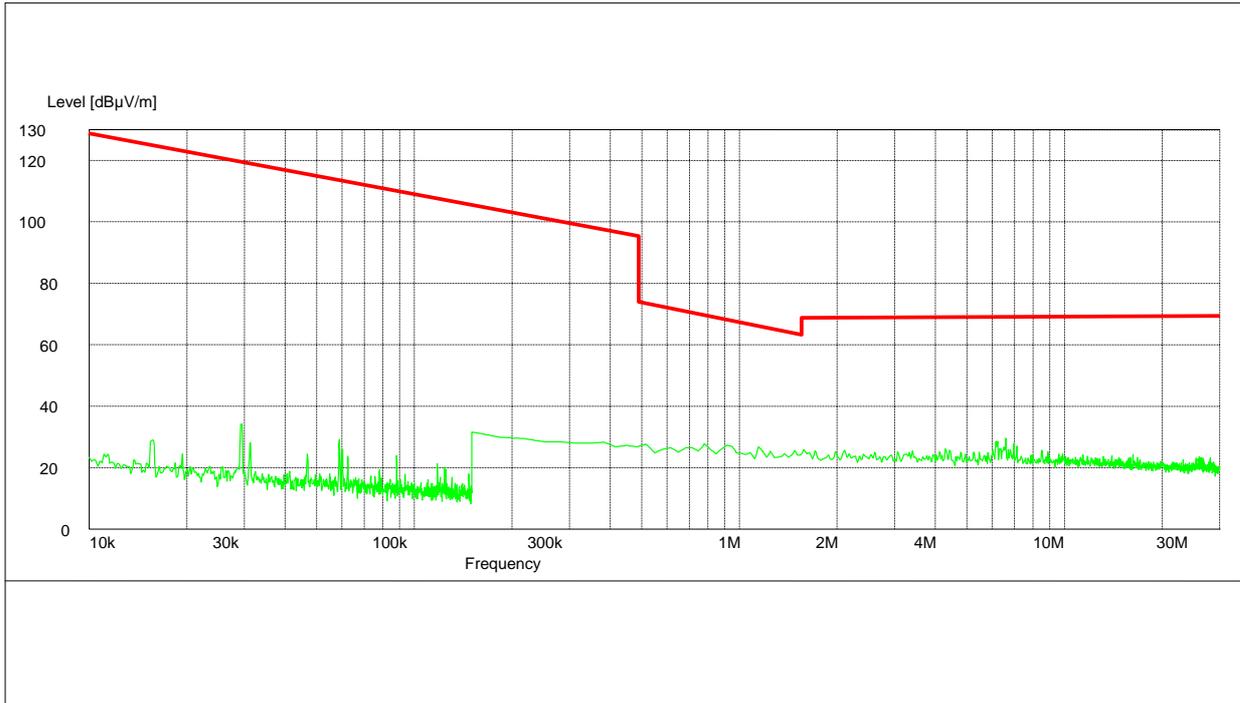
# Radiated spurious emission & spurious in restricted band

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



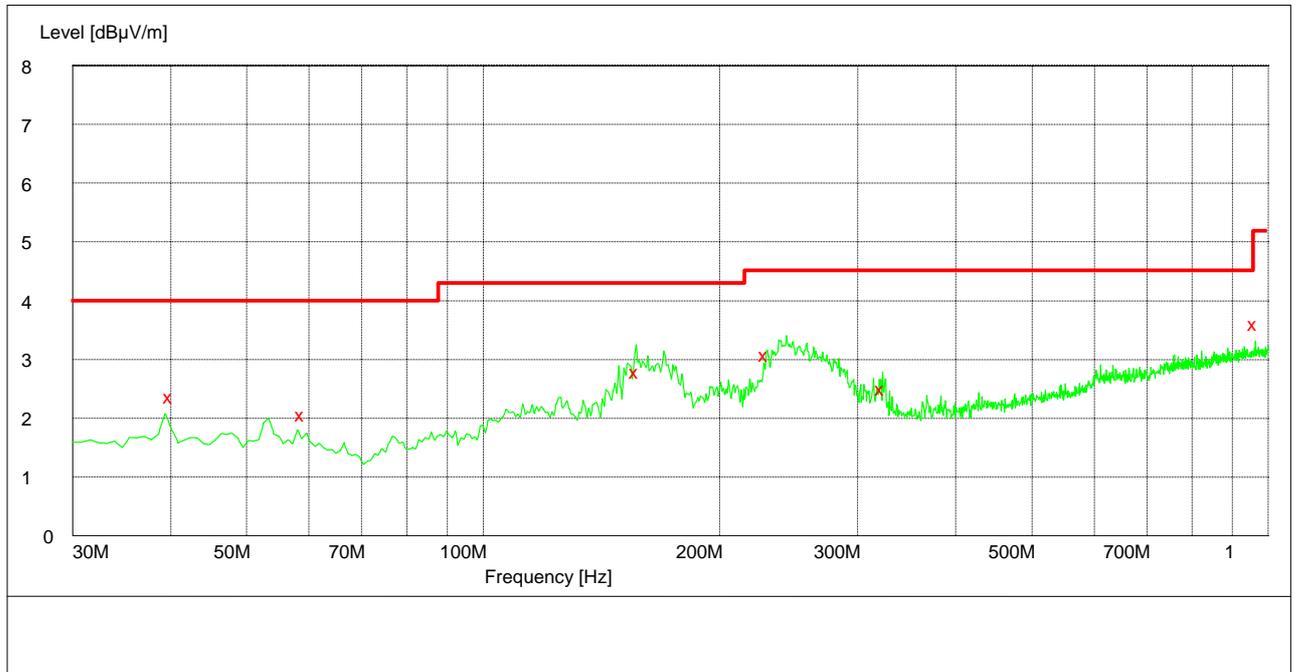
Note: This test was carried out in all the test modes, here only the worst test result was shown.

## Channel 1 10kHz to 30MHz





## 30MHz to 1GHz

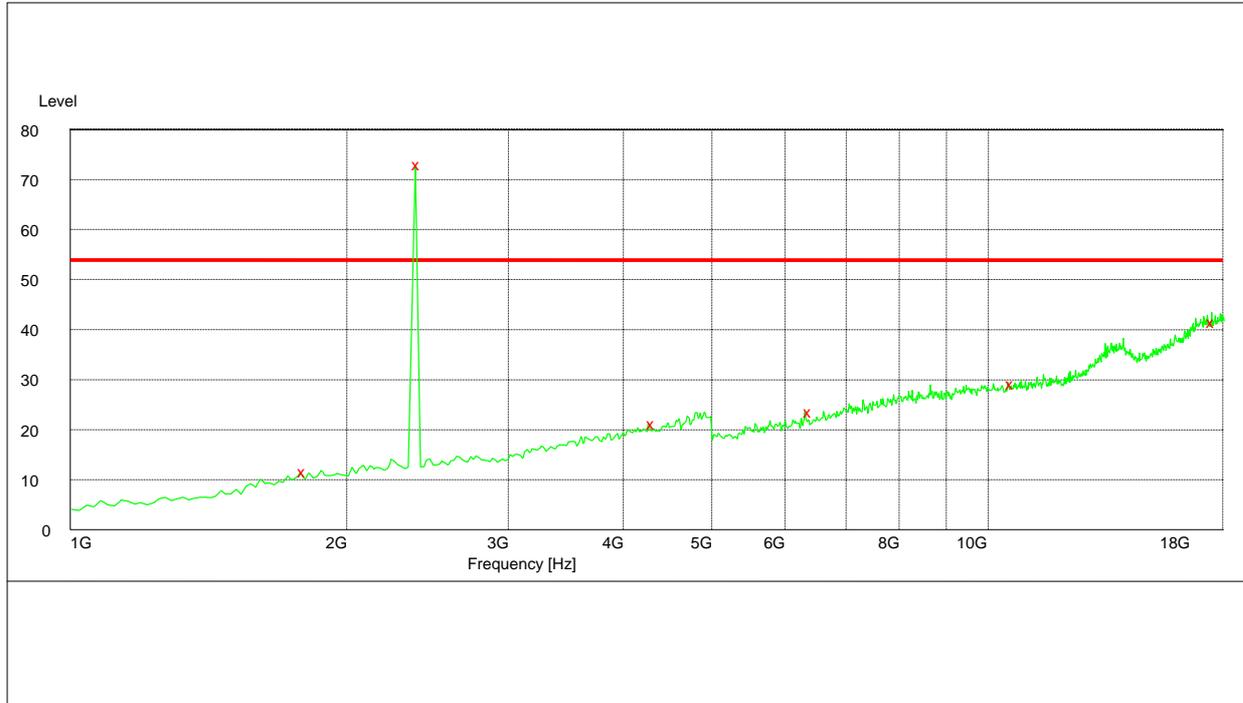


### MEASUREMENT RESULT: QP Detector

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
40.020000	23.80	13.1	40.0	16.2	254.0	235.00	HORIZONTAL
58.800000	20.70	12.4	40.0	19.3	175.0	204.00	HORIZONTAL
156.780000	28.00	9.4	43.5	15.5	209.0	19.00	HORIZONTAL
229.620000	31.00	13.5	46.0	15	133.0	331.00	HORIZONTAL
322.380000	25.20	16.1	46.0	20.8	100.0	147.00	HORIZONTAL
963.900000	36.20	26.7	46.0	9.8	100.0	232.00	HORIZONTAL



## 1GHz to 18GHz

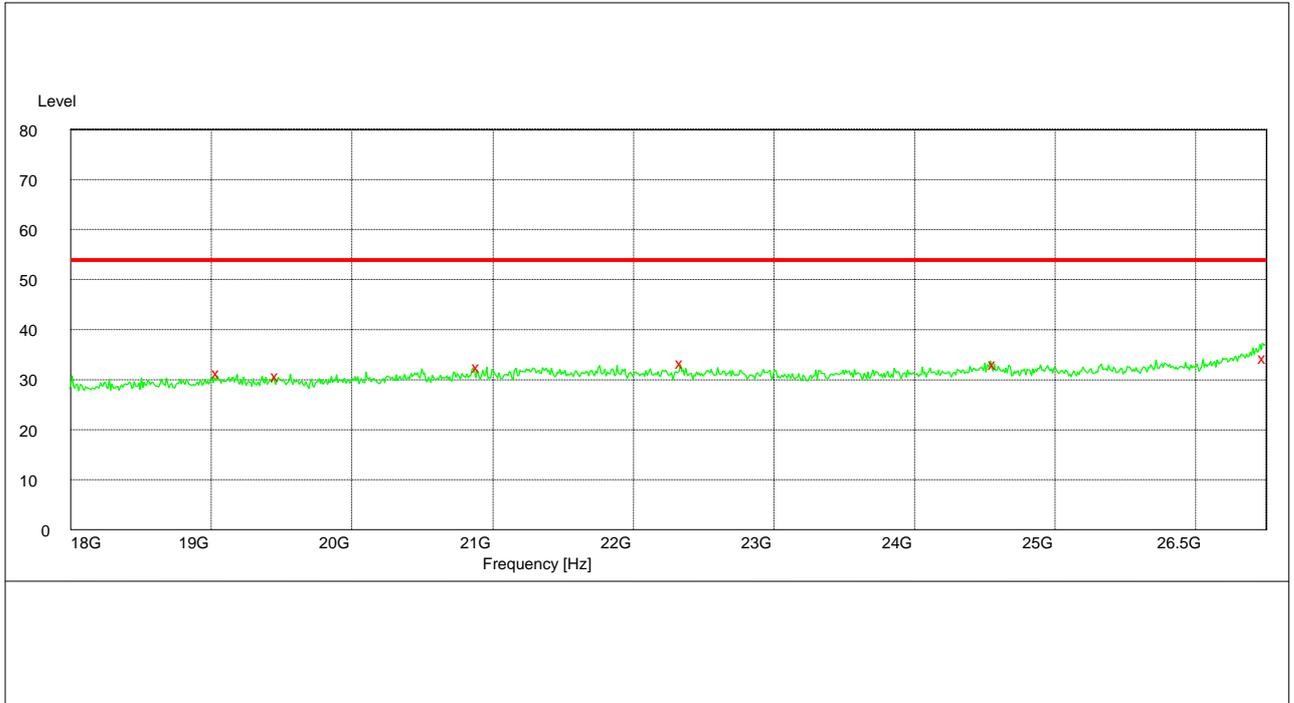


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
1808.000000	11.60	-8.6	54.0	42.4	148.0	32.00	HORIZONTAL
2402.000000	73.40	-6.8	54.0	-19.4	155.0	346.00	VERTICAL
4252.500000	20.80	-0.7	54.0	33.2	219.0	123.00	HORIZONTAL
6405.000000	23.10	1.5	54.0	30.9	188.0	158.00	VERTICAL
10974.000000	29.30	11.9	54.0	24.7	231.0	68.00	VERTICAL
17862.000000	41.50	26.0	54.0	12.5	235.0	201.00	VERTICAL



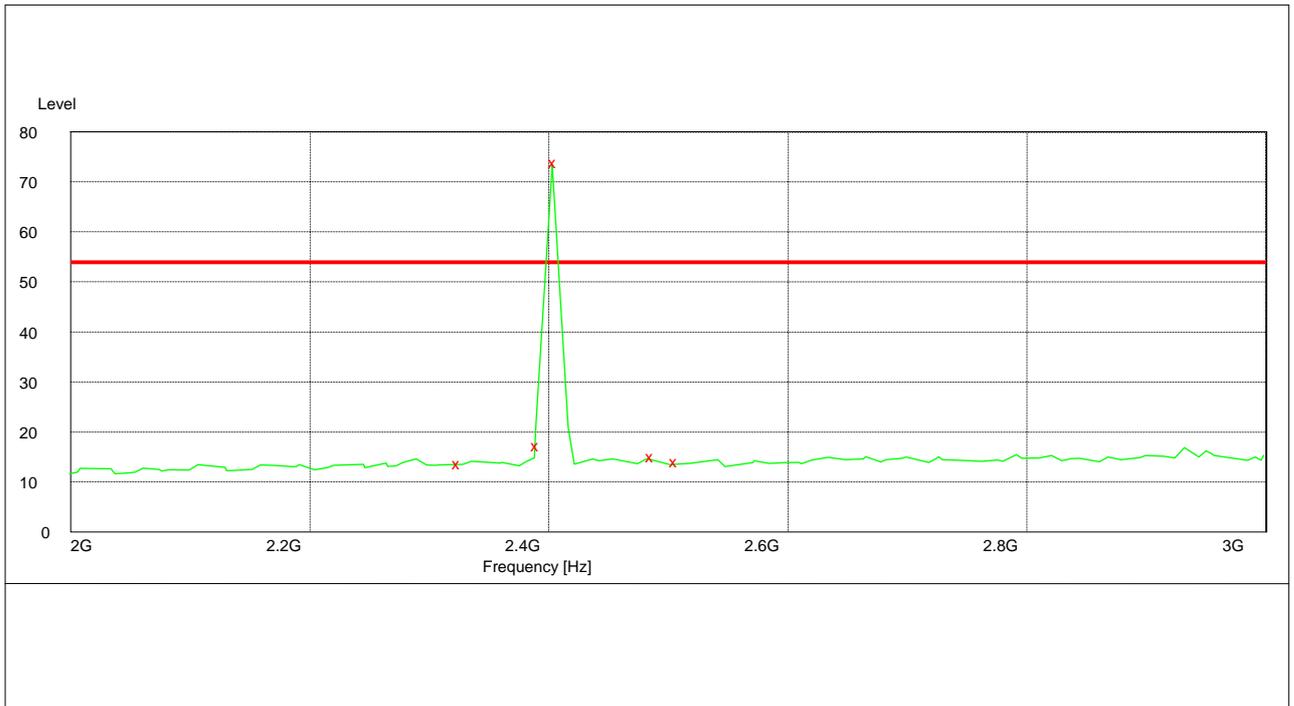
## 18GHz to 26GHz



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
19043.500000	31.40	18.6	54.0	22.6	217.0	165.00	HORIZONTAL
19485.000000	30.20	18.9	54.0	23.8	205.0	105.00	VERTICAL
20892.500000	32.40	20.2	54.0	21.6	235.0	232.00	VERTICAL
22458.000000	33.20	20.3	54.0	20.8	257.0	261.00	VERTICAL
24581.000000	32.40	22.0	54.0	21.6	130.0	342.00	HORIZONTAL
26496.500000	34.50	27.9	54.0	19.5	186.0	237.00	HORIZONTAL



## 2GHz to 3GHz



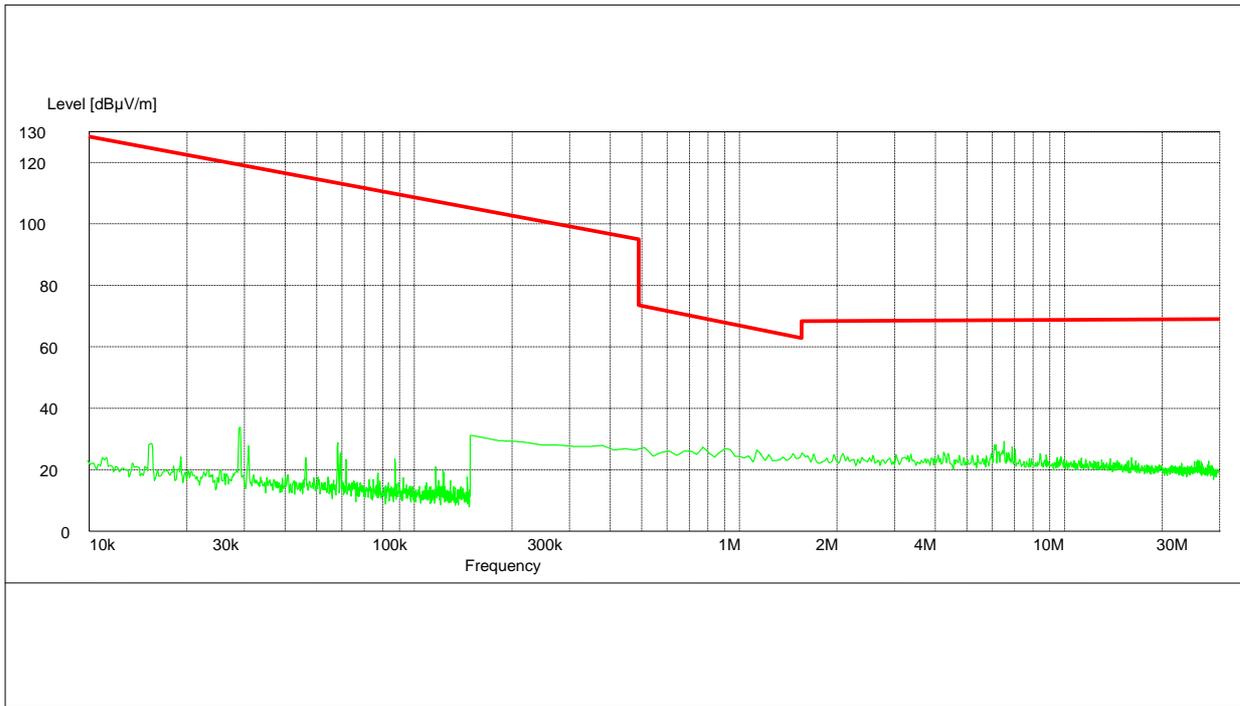
Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	13.50	-7.3	54.0	40.5	217.0	246.00	VERTICAL
2390.000000	17.90	-6.9	54.0	36.1	106.0	250.00	VERTICAL
2412.000000	73.60	-6.7	54.0	-19.6	160.0	289.00	HORIZONTAL
2483.500000	14.00	-6.7	54.0	40.0	274.0	38.00	VERTICAL
2500.000000	13.40	-6.6	54.0	40.6	275.0	316.00	HORIZONTAL



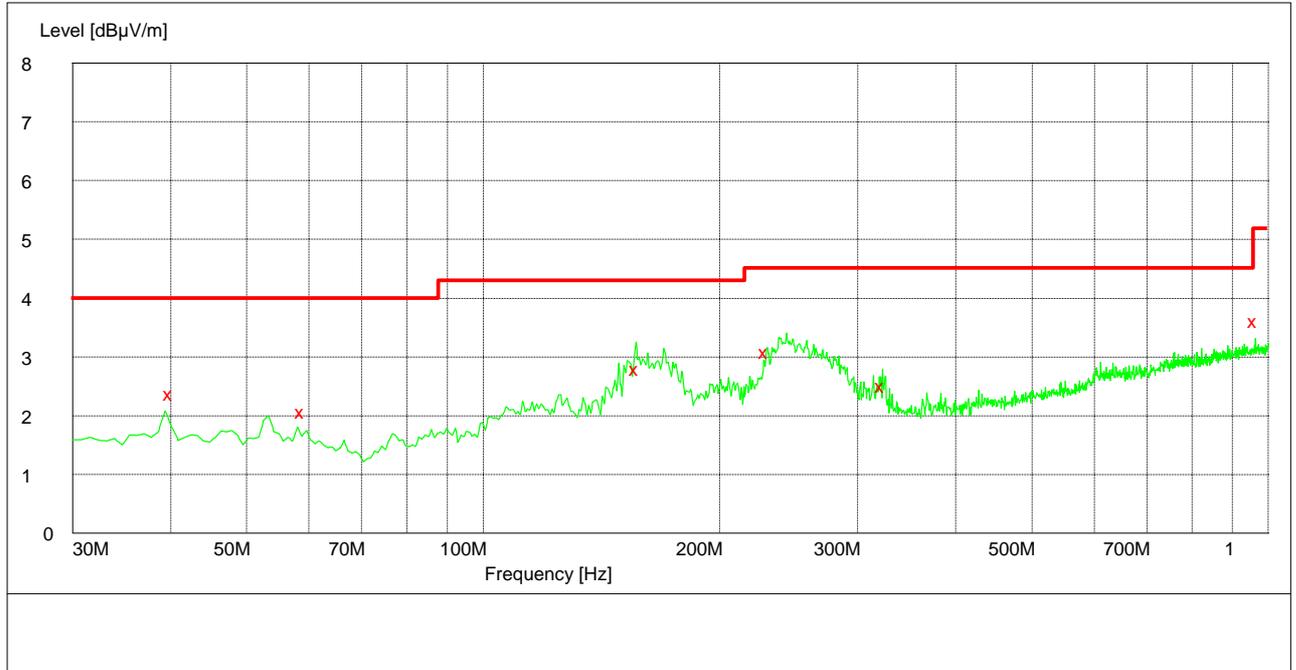
# Channel 7

## 10 kHz to 30MHz





## 30MHz to 1GHz

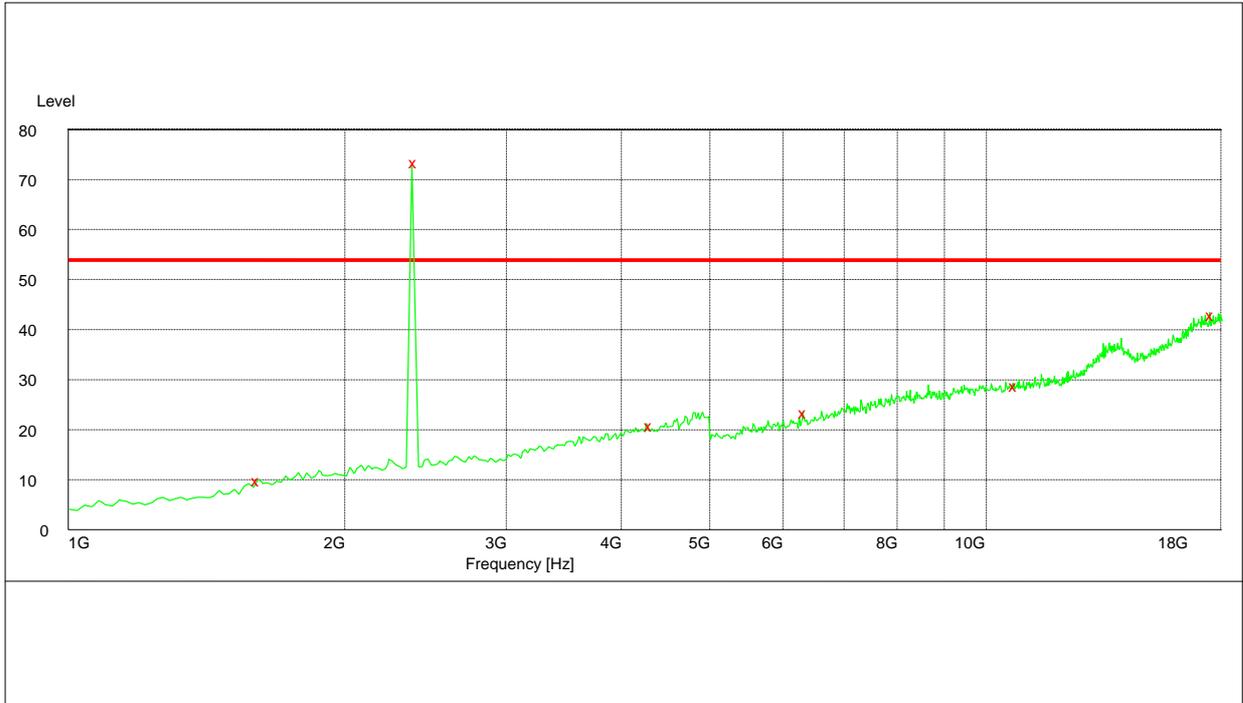


### MEASUREMENT RESULT: QP Detector

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
40.020000	23.80	13.1	40.0	16.2	254.0	235.00	HORIZONTAL
58.800000	20.70	12.4	40.0	19.3	175.0	204.00	HORIZONTAL
156.780000	28.00	9.4	43.5	15.5	209.0	19.00	HORIZONTAL
229.620000	31.00	13.5	46.0	15	133.0	331.00	HORIZONTAL
322.380000	25.20	16.1	46.0	20.8	100.0	147.00	HORIZONTAL
963.900000	36.20	26.7	46.0	9.8	100.0	232.00	HORIZONTAL



## 1GHz to 18GHz

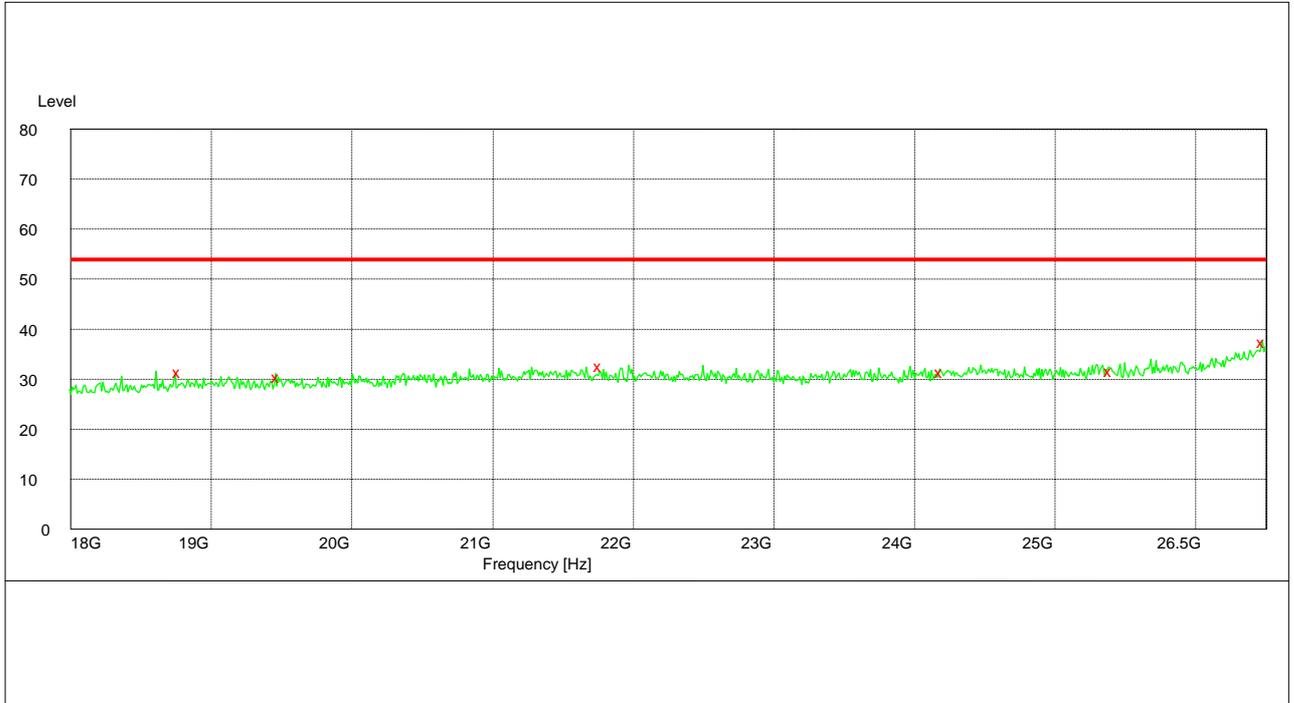


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
1712.000000	9.90	-9.9	54.0	44.1	100.0	32.00	HORIZONTAL
2442.000000	73.30	-6.9	54.0	-19.3	172.0	135.00	VERTICAL
4210.000000	20.20	-0.6	54.0	33.8	141.0	293.00	HORIZONTAL
6350.000000	22.50	5.5	54.0	31.5	246.0	21.00	VERTICAL
10871.000000	29.50	12.1	54.0	24.5	126.0	103.00	VERTICAL
17839.000000	42.10	25.5	54.0	11.9	185.0	36.00	HORIZONTAL



## 18GHz to 26GHz

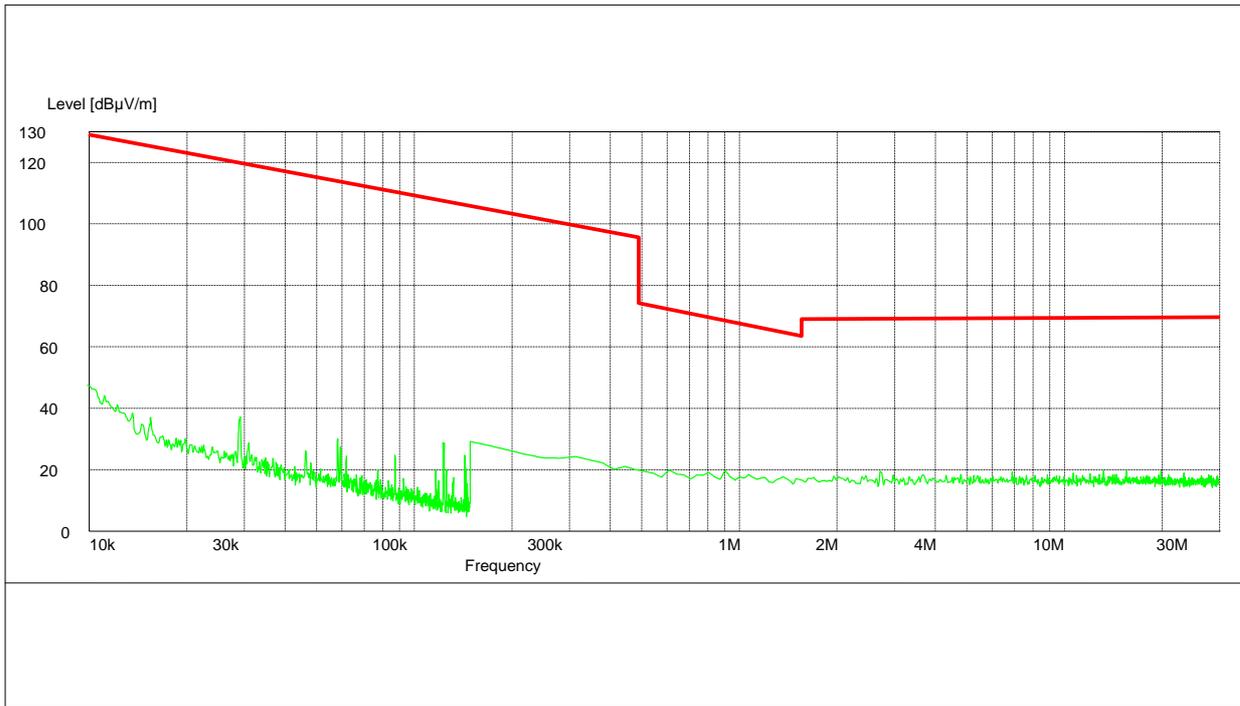


Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
18772.000000	30.90	18.5	54.0	23.1	291.0	186.00	VERTICAL
19490.000000	30.10	18.9	54.0	23.9	290.0	304.00	HORIZONTAL
21780.000000	31.50	20.5	54.0	22.5	139.0	186.00	HORIZONTAL
24191.000000	30.80	21.5	54.0	23.2	108.0	232.00	VERTICAL
25285.000000	30.80	23.1	54.0	23.2	156.0	138.00	HORIZONTAL
26491.000000	38.30	27.9	54.0	15.7	277.0	279.00	HORIZONTAL



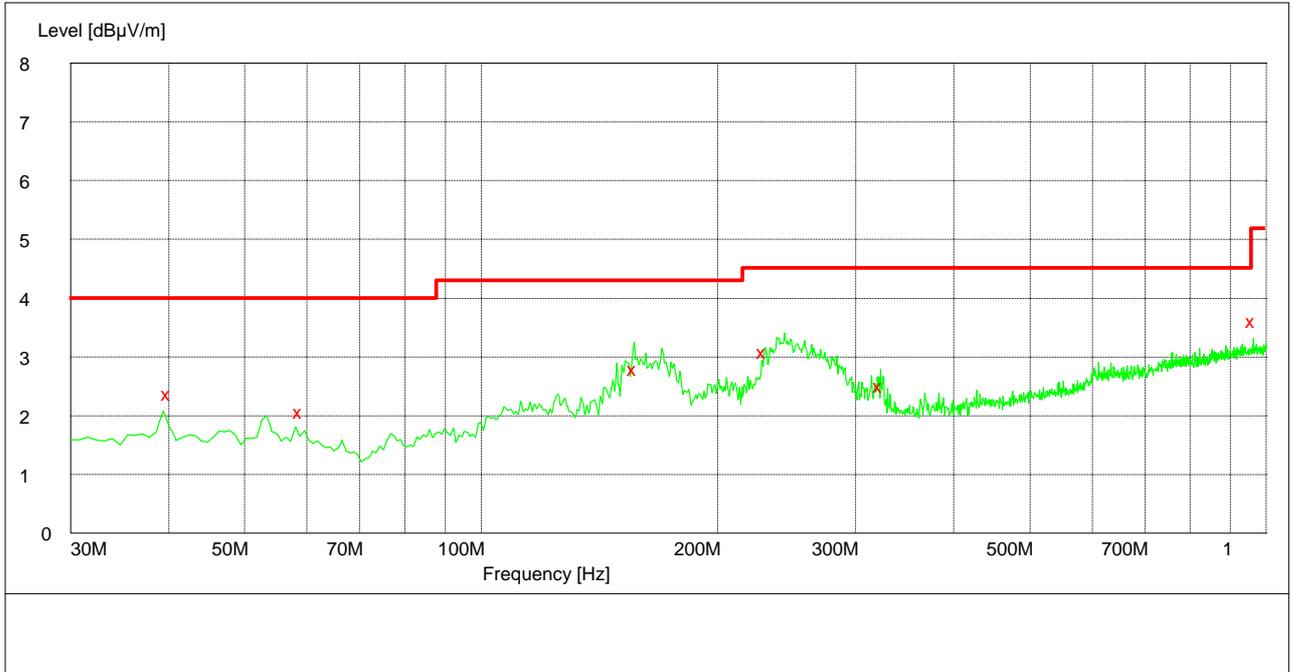
# Channel 11

## 10 kHz to 30 MHz





## 30MHz to 1GHz

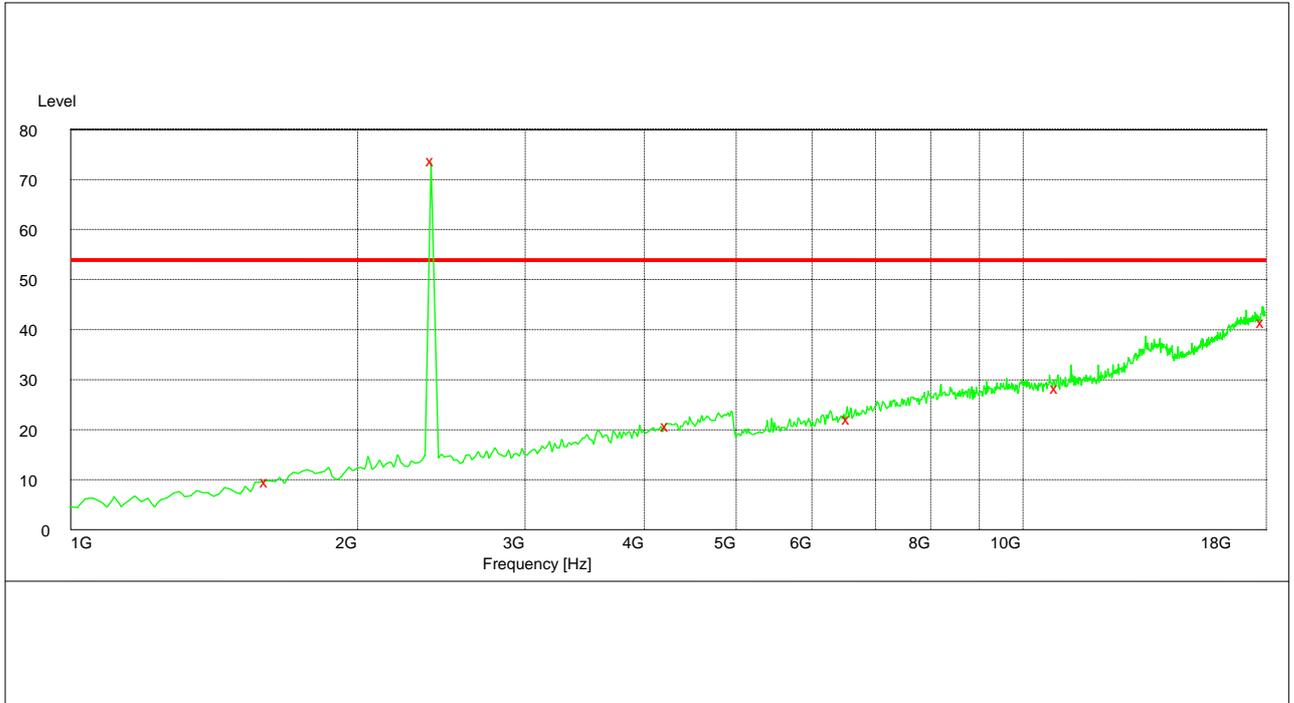


### MEASUREMENT RESULT: QP Detector

Frequency (MHz)	Level (dBµV/m)	Transd (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Polarisation
40.020000	23.80	13.1	40.0	16.2	254.0	235.00	HORIZONTAL
58.800000	20.70	12.4	40.0	19.3	175.0	204.00	HORIZONTAL
156.780000	28.00	9.4	43.5	15.5	209.0	19.00	HORIZONTAL
229.620000	31.00	13.5	46.0	15	133.0	331.00	HORIZONTAL
322.380000	25.20	16.1	46.0	20.8	100.0	147.00	HORIZONTAL
963.900000	36.20	26.7	46.0	9.8	100.0	232.00	HORIZONTAL



## 1GHz to 18GHz

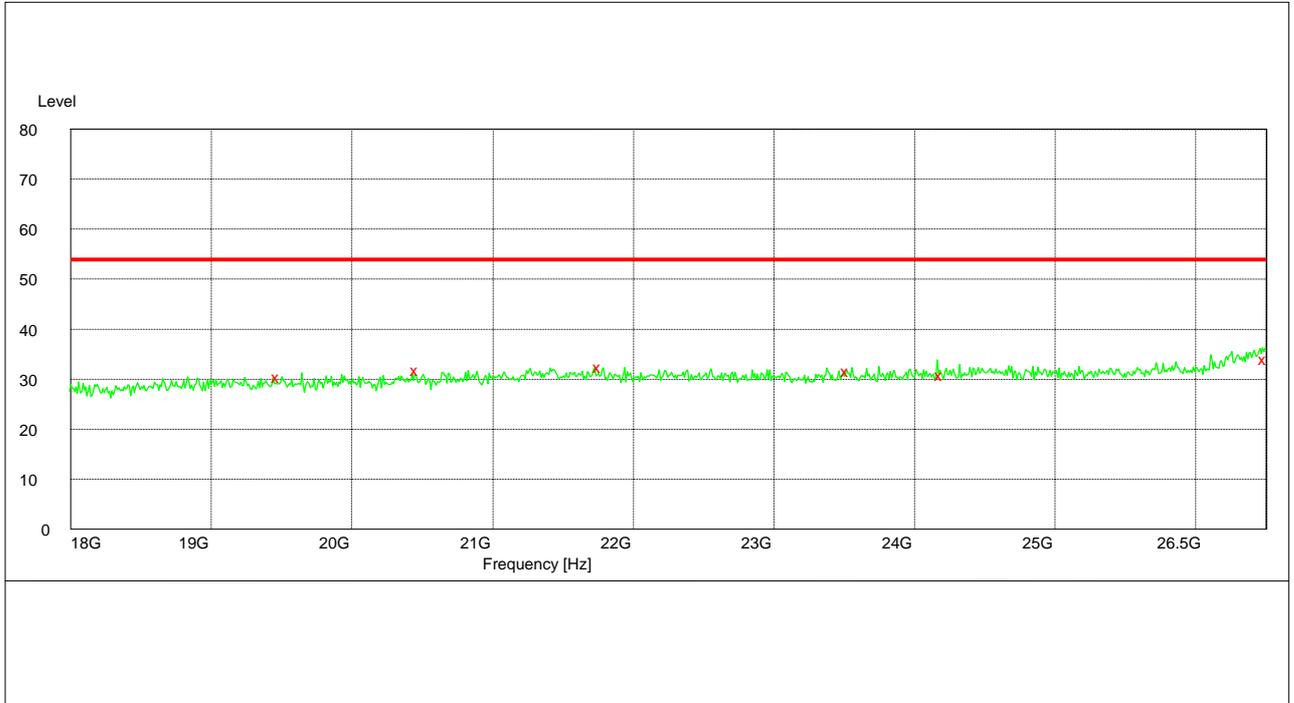


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
1620.000000	9.70	-10.9	54.0	44.3	160.0	40.00	VERTICAL
2462.000000	74.20	-6.8	54.0	-20.2	158.0	121.00	HORIZONTAL
4245.000000	20.50	-0.4	54.0	33.5	121.0	324.00	VERTICAL
6576.000000	21.40	5.3	54.0	32.6	109.0	202.00	HORIZONTAL
10895.000000	28.60	12.2	54.0	25.4	143.0	273.00	HORIZONTAL
17849.000000	40.60	25.9	54.0	13.4	102.0	354.00	HORIZONTAL



## 18GHz to 26GHz

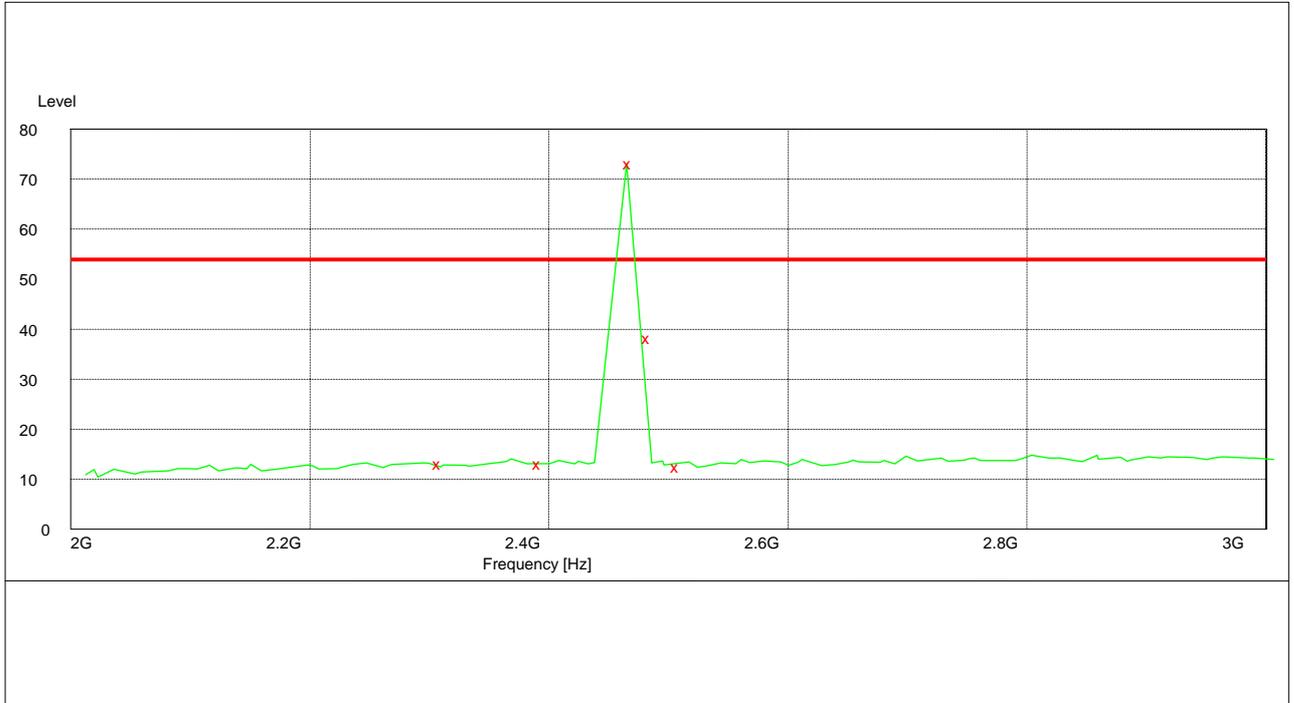


Note: The peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
19483.000000	30.10	18.9	54.0	23.9	257.0	55.00	VERTICAL
20481.000000	31.00	19.7	54.0	23.0	237.0	264.00	HORIZONTAL
21782.000000	31.20	20.5	54.0	22.8	206.0	92.00	VERTICAL
23532.000000	30.80	20.5	54.0	23.2	233.0	264.00	VERTICAL
24206.000000	30.50	21.5	54.0	23.5	150.0	57.00	HORIZONTAL
26498.000000	34.30	27.9	54.0	19.7	123.0	43.00	VERTICAL



## 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	13.00	-7.1	54.0	41.0	233.0	71.00	VERTICAL
2390.000000	13.00	-6.9	54.0	41.0	179.0	357.00	HORIZONTAL
2462.000000	73.50	-6.9	54.0	-19.5	260.0	188.00	VERTICAL
2483.500000	39.10	-6.7	54.0	14.9	184.0	73.00	HORIZONTAL
2500.000000	12.90	-6.6	54.0	41.1	134.0	251.00	HORIZONTAL



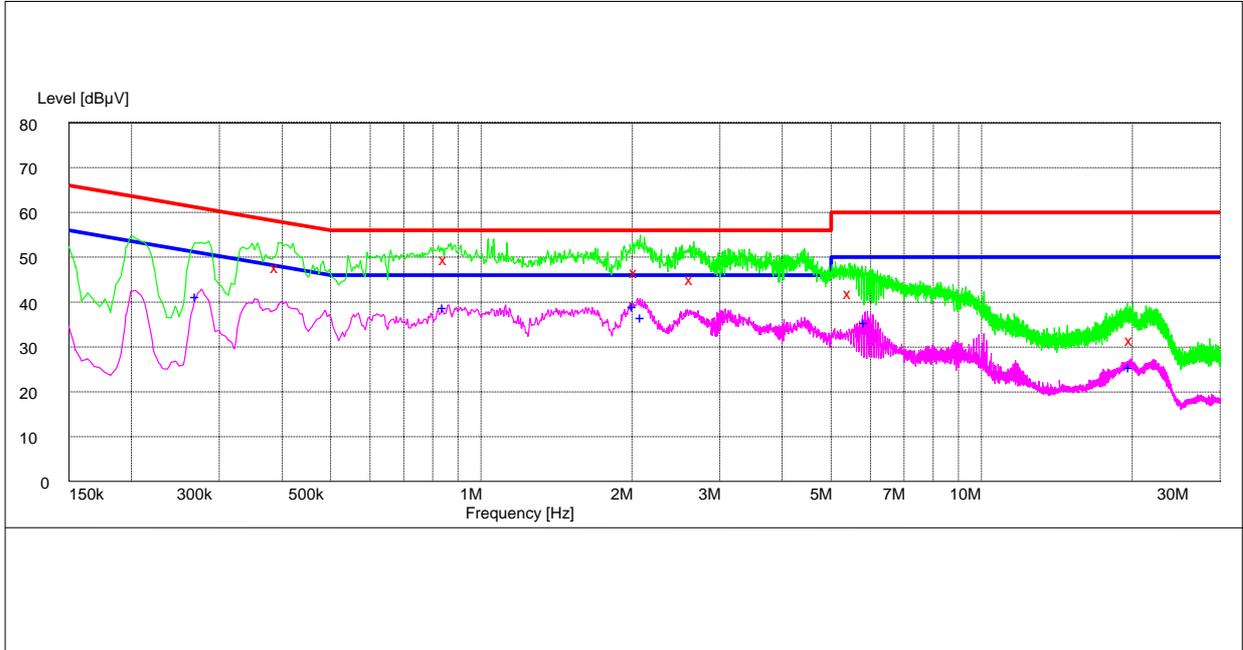
# Appendix G

## Conducted Emission at Power Port

According to FCC Part 15.207



## Channel 7



### MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.393000	48.10	10.0	58	9.9	N	FLO
0.852000	49.80	10.0	56	6.2	N	FLO
2.049000	47.00	10.1	56	9.0	N	FLO
2.647500	45.40	10.1	56	10.6	N	FLO
5.482500	42.30	10.1	60	17.7	N	FLO
20.008500	31.90	10.3	60	28.1	L3	FLO

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.271500	41.70	10.0	51	9.3	N	FLO
0.847500	39.10	10.0	46	6.9	N	FLO
2.031000	39.40	10.1	46	6.6	N	FLO
2.107500	37.00	10.1	46	9.0	N	FLO
5.892000	35.90	10.1	50	14.1	L3	FLO
19.923000	25.90	10.3	50	24.1	L3	FLO