



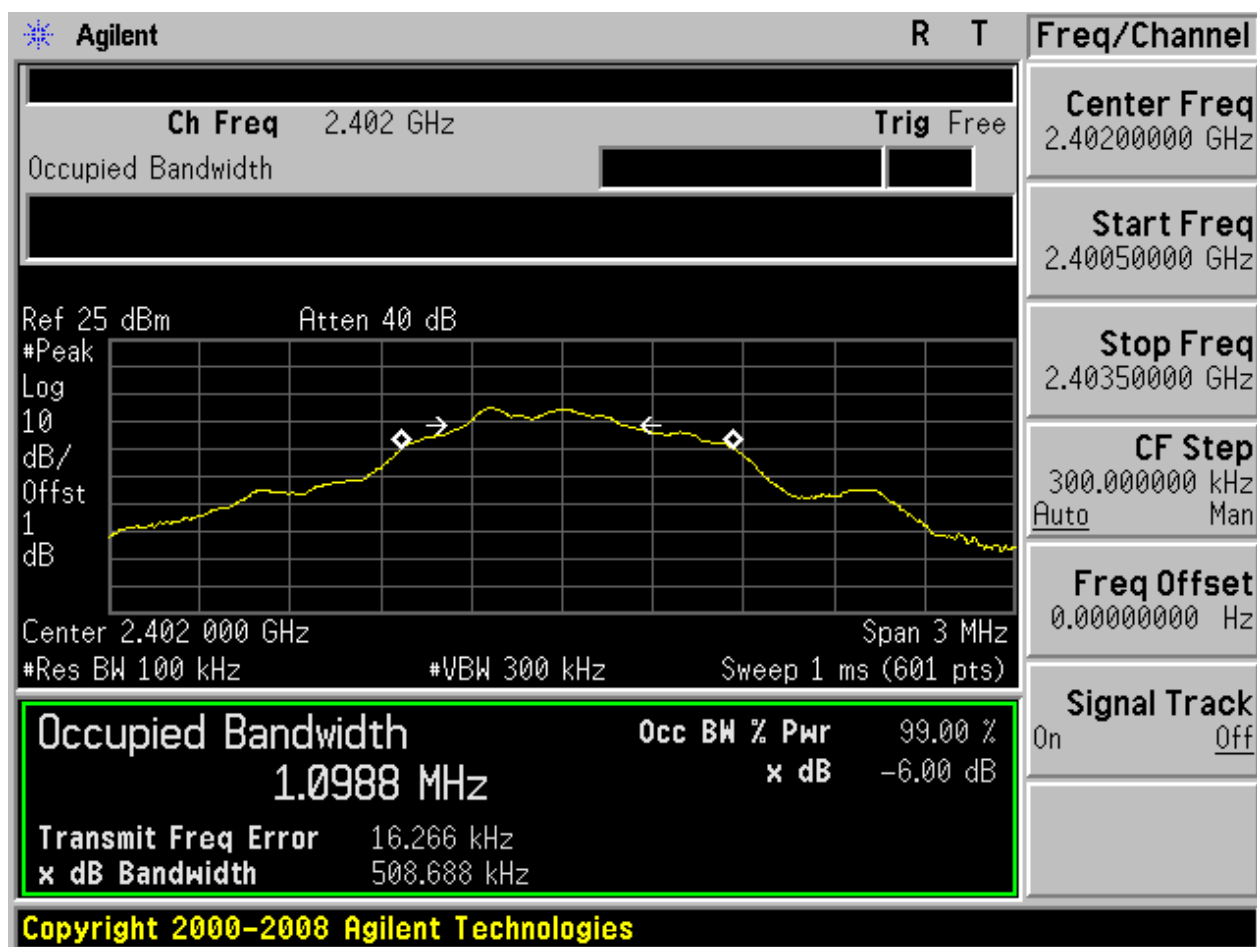
Appendix A: 6dB Emission Bandwidth (EBW)



1 Result Table

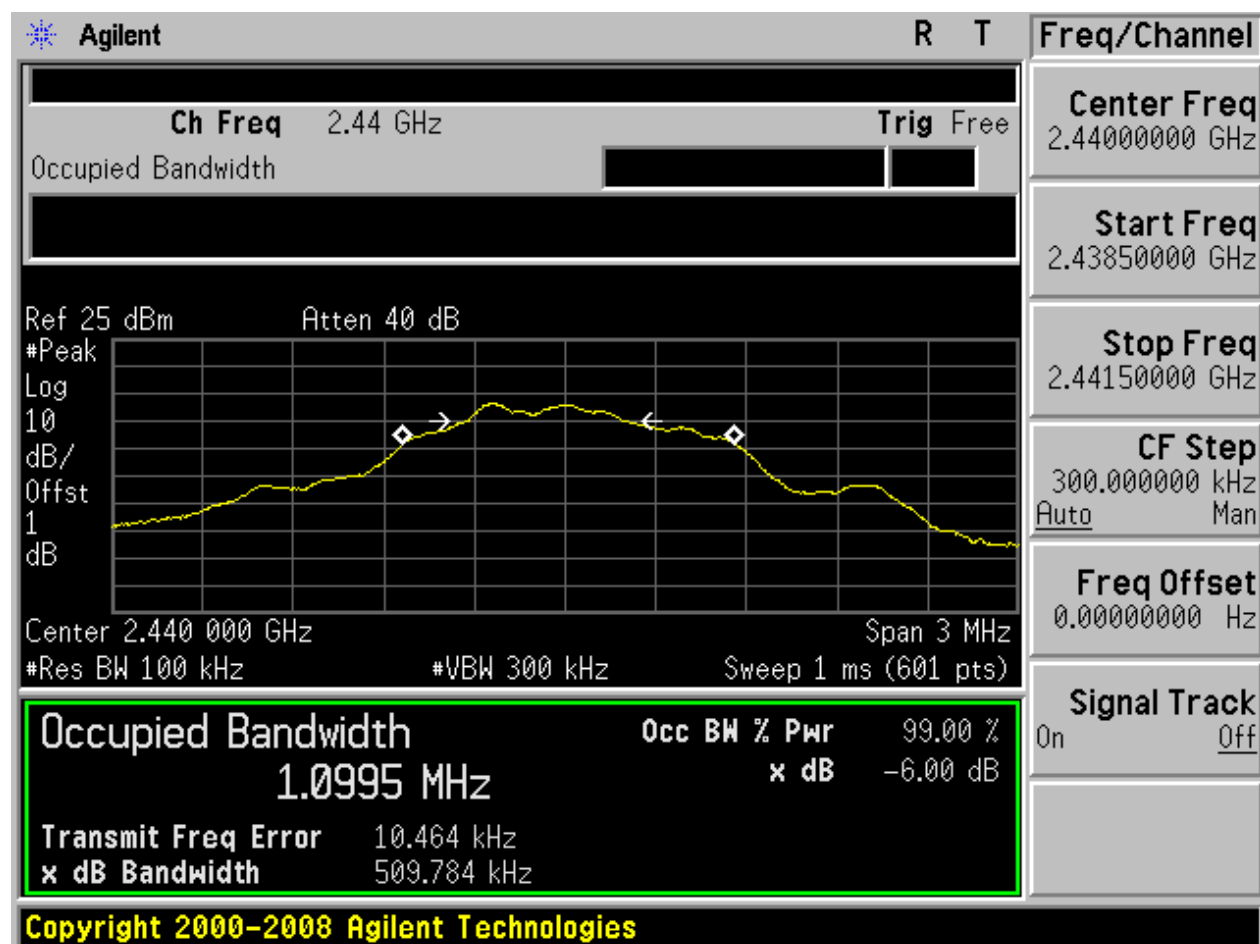
EUT Conf.	EBW [KHz]	Verdict
TM1_DH5_Ch0	508.69	Pass
TM1_DH5_Ch19	509.78	Pass
TM1_DH5_Ch39	511.06	Pass

2.1 TM1_DH5_Ch0





2.2 TM1_DH5_Ch19



Agilent R T

Ch Freq 2.48 GHz **Trig** Free

Occupied Bandwidth

Ref 25 dBm Atten 40 dB

#Peak Log 10 dB/Offst 1 dB

Center 2.480 000 GHz Span 3 MHz

#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)

Occupied Bandwidth 1.0980 MHz

Occ BW % Pwr 99.00 %

x dB -6.00 dB

Transmit Freq Error 3.311 kHz

x dB Bandwidth 511.059 kHz

Freq/Channel

Center Freq 2.48000000 GHz

Start Freq 2.47850000 GHz

Stop Freq 2.48150000 GHz

CF Step 300.000000 kHz

Freq Offset 0.00000000 Hz

Signal Track On Off

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Appendix B: Maximum Peak Conducted Output Power

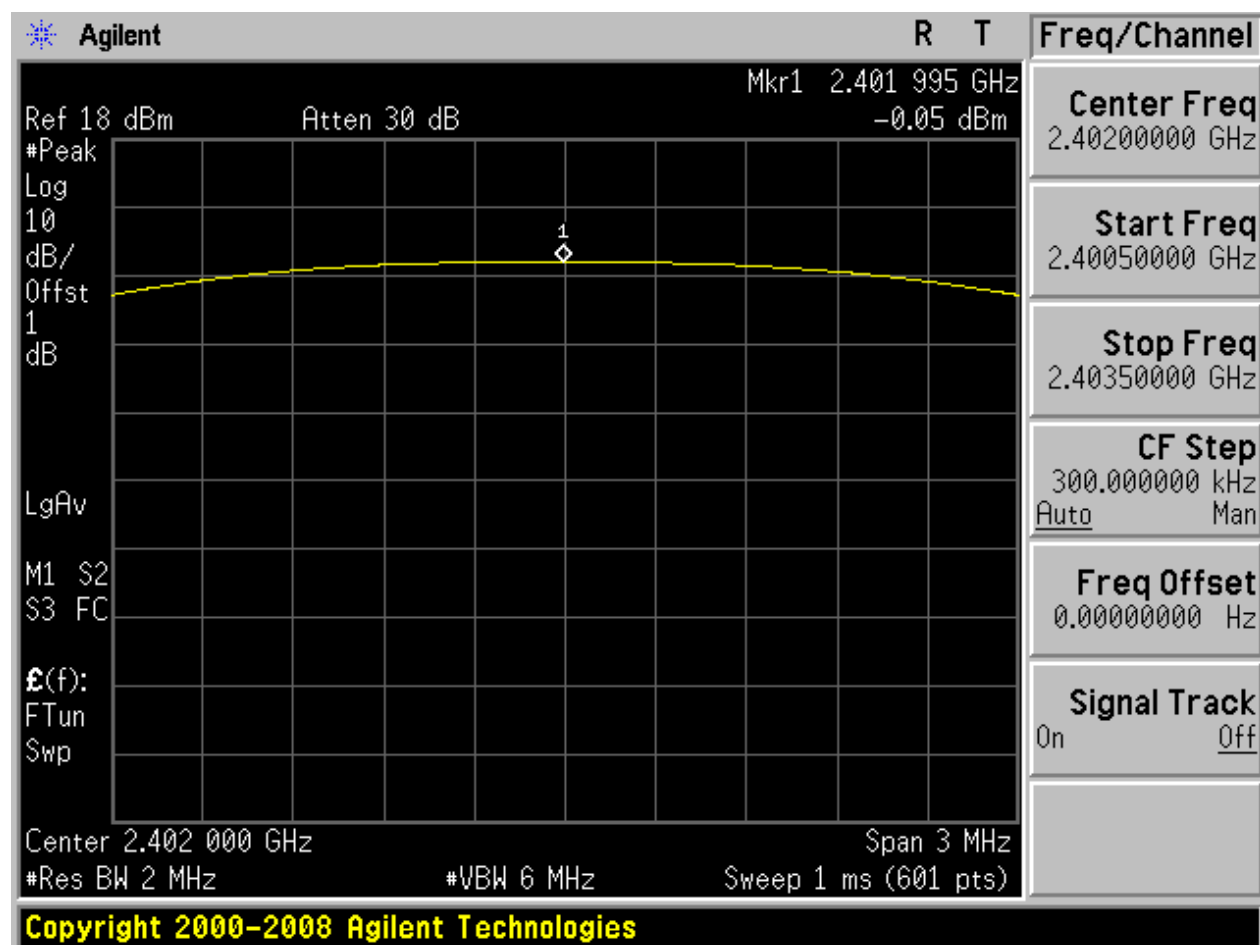
1 Result Table

EUT Conf.	Max. Peak Power [dBm]	Verdict
TM1_DH5_Ch0	-0.05	Pass
TM1_DH5_Ch19	1.26	Pass
TM1_DH5_Ch39	2.13	Pass



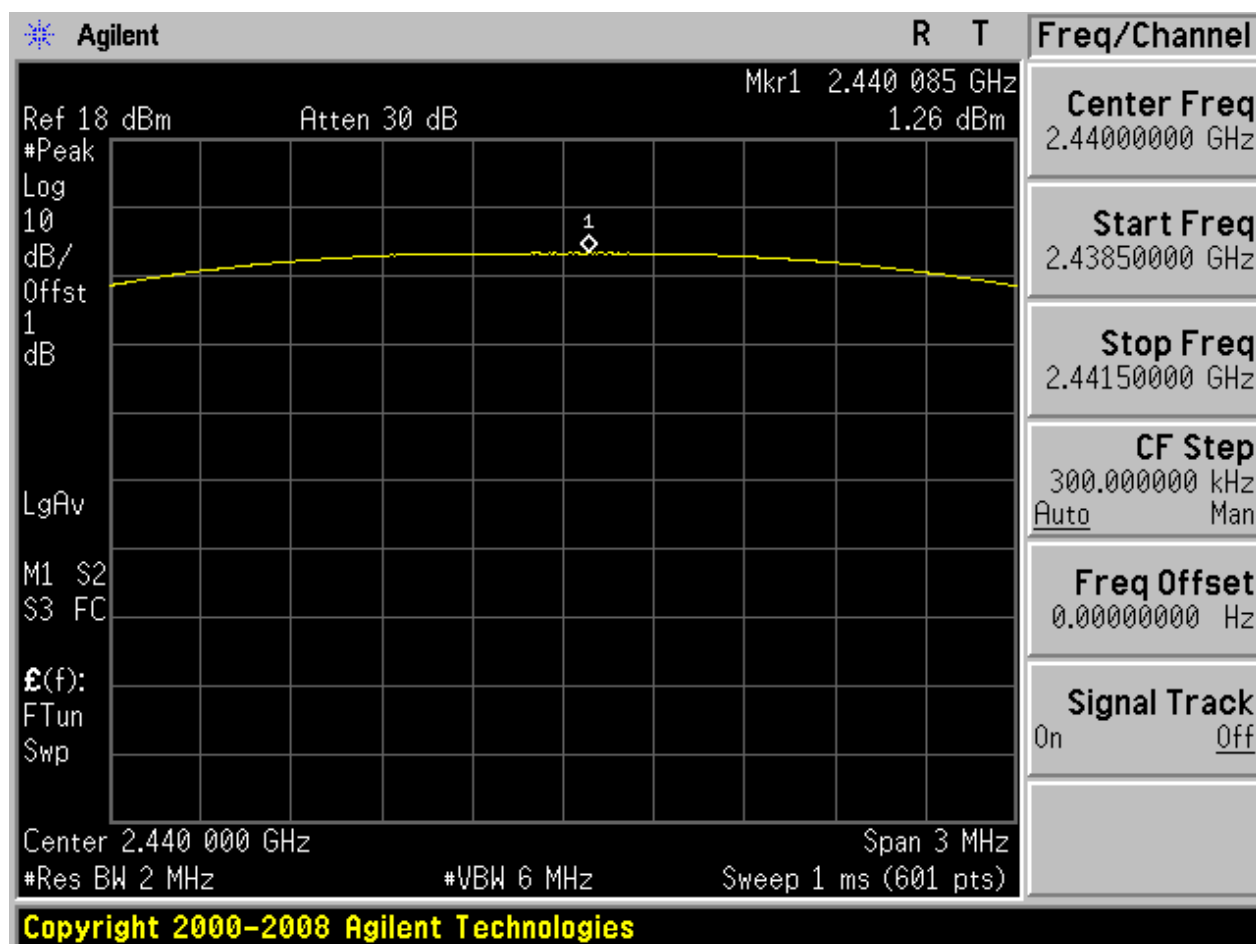
2 Test Plot

2.1 TM1_DH5_Ch0

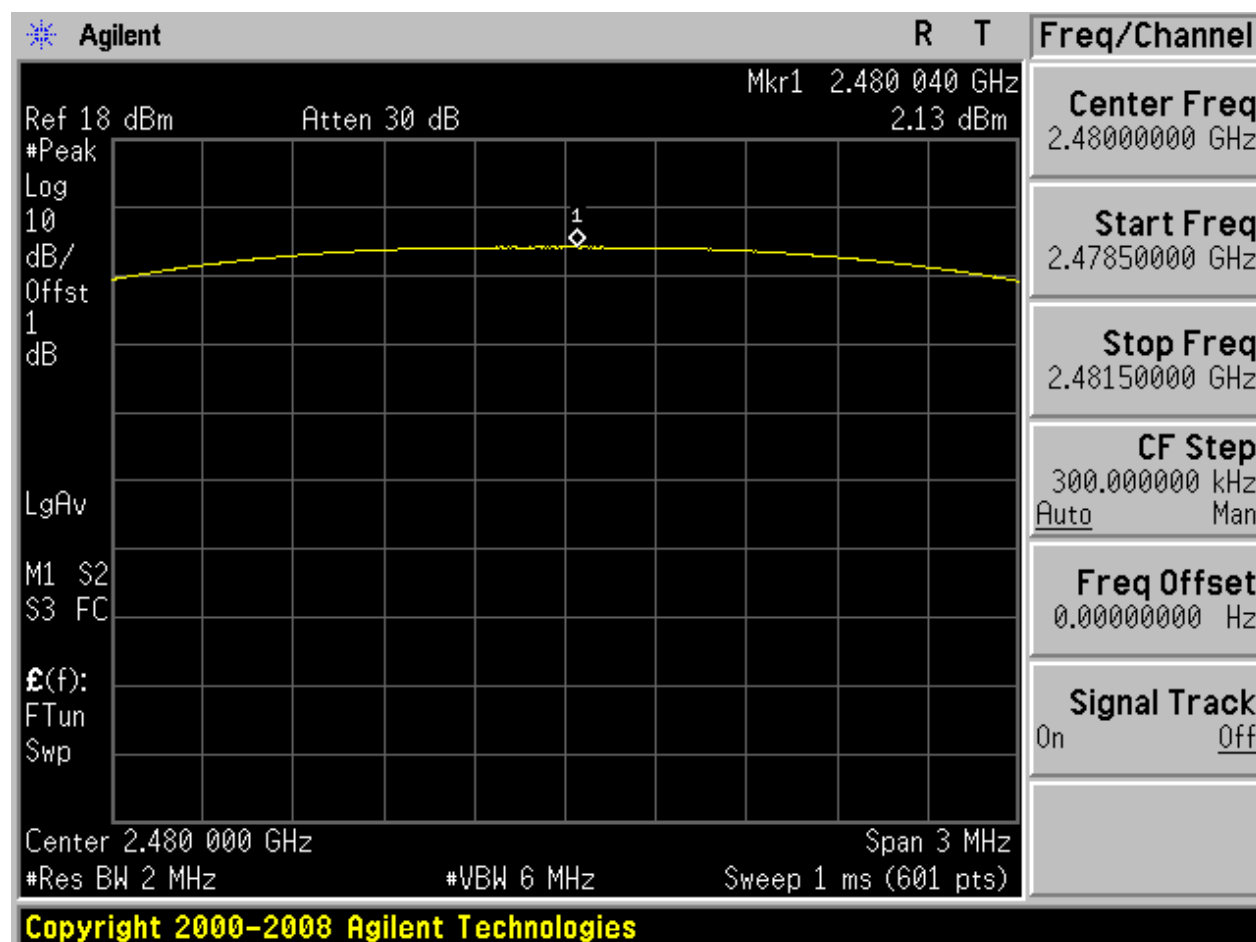




2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



Appendix C: Maximum Power Spectral Density Level



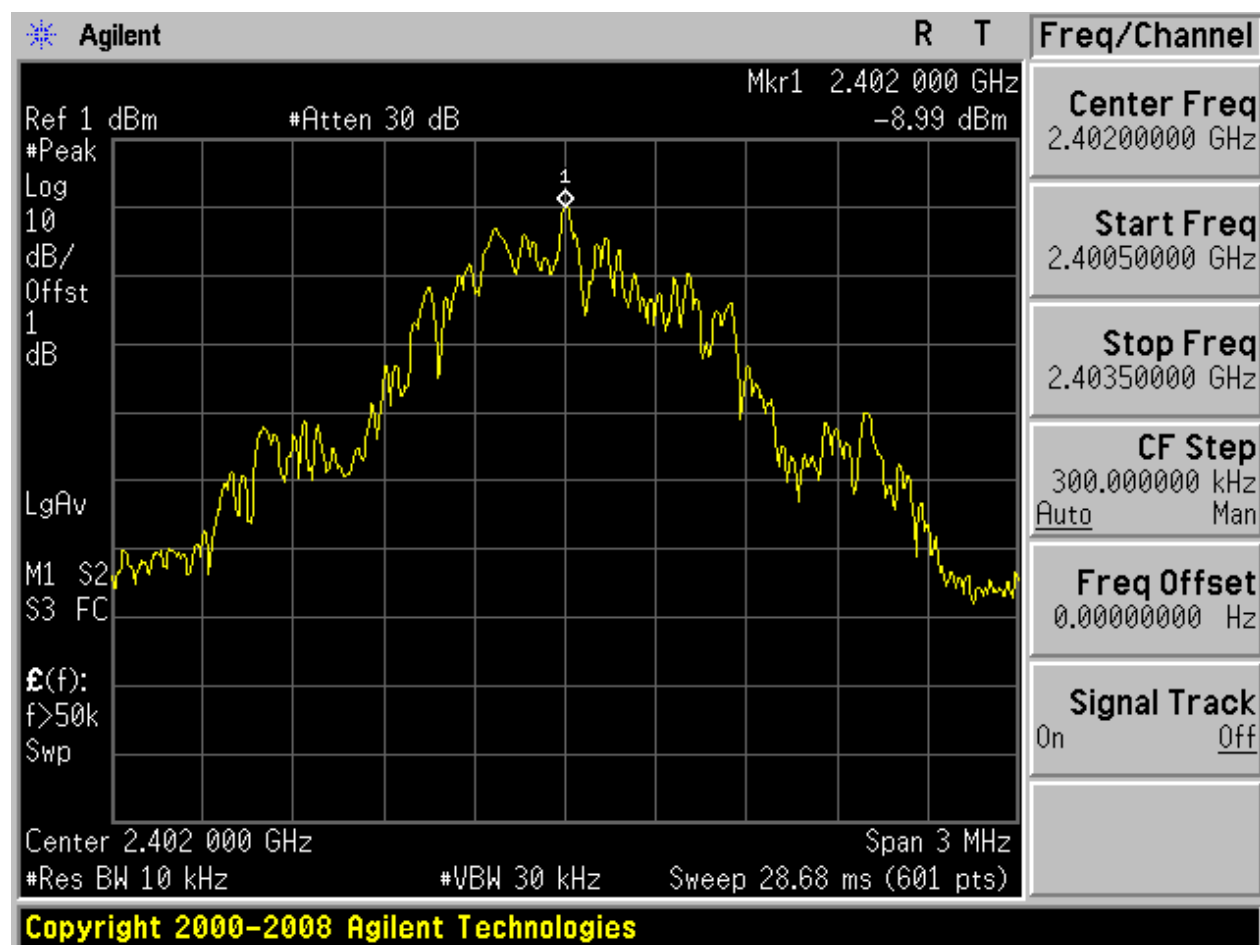
1 Result Table

EUT Conf.	Max. Power Spectral Density Level [dBm]	Verdict
TM1_DH5_Ch0	-8.99	Pass
TM1_DH5_Ch19	-7.61	Pass
TM1_DH5_Ch39	-7.11	Pass

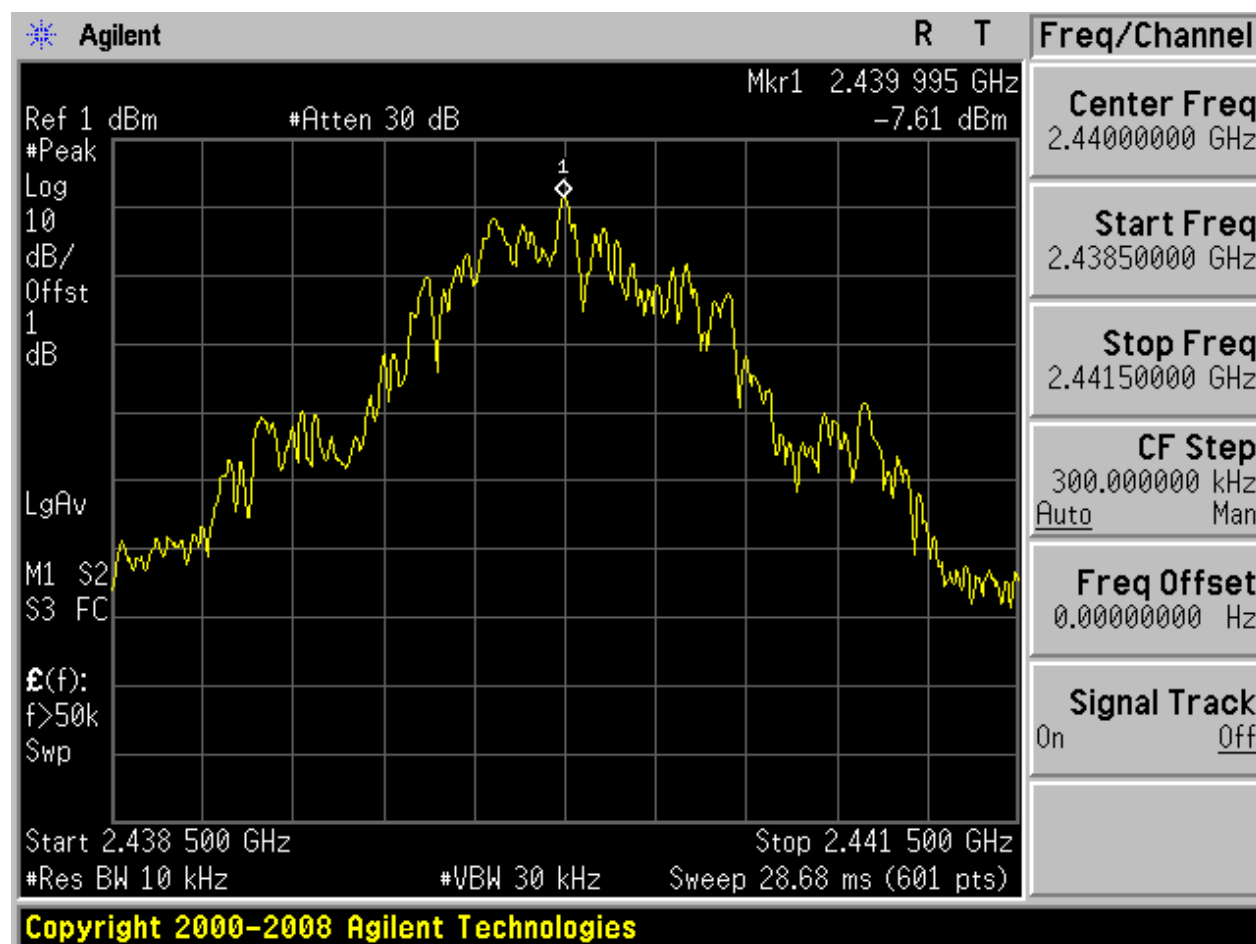


2 Test Plot

2.1 TM1_DH5_Ch0

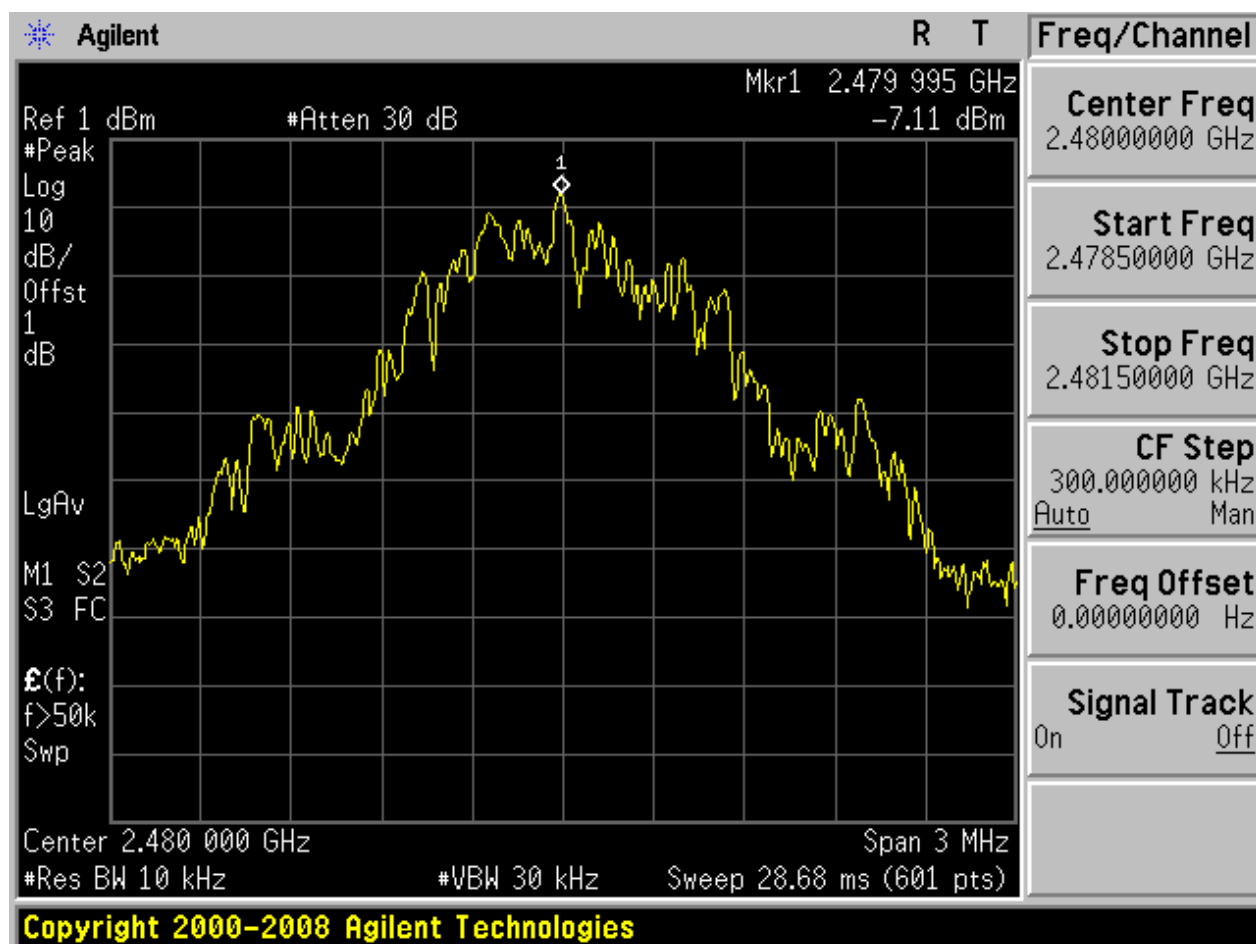


2.2 TM1_DH5_Ch19





2.3 TM1_DH5_Ch39



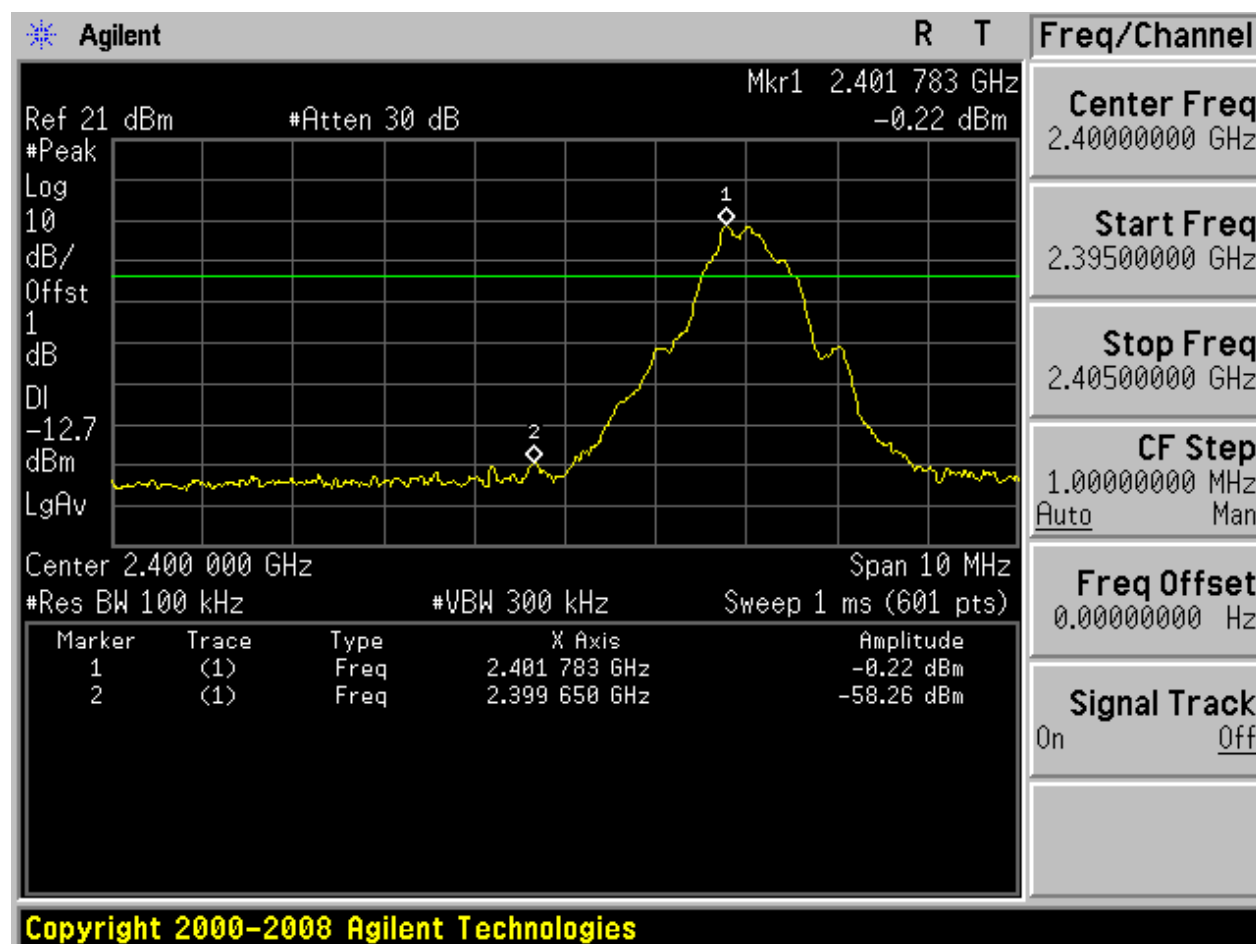
Appendix D: Band edge spurious emission

3 Result Table

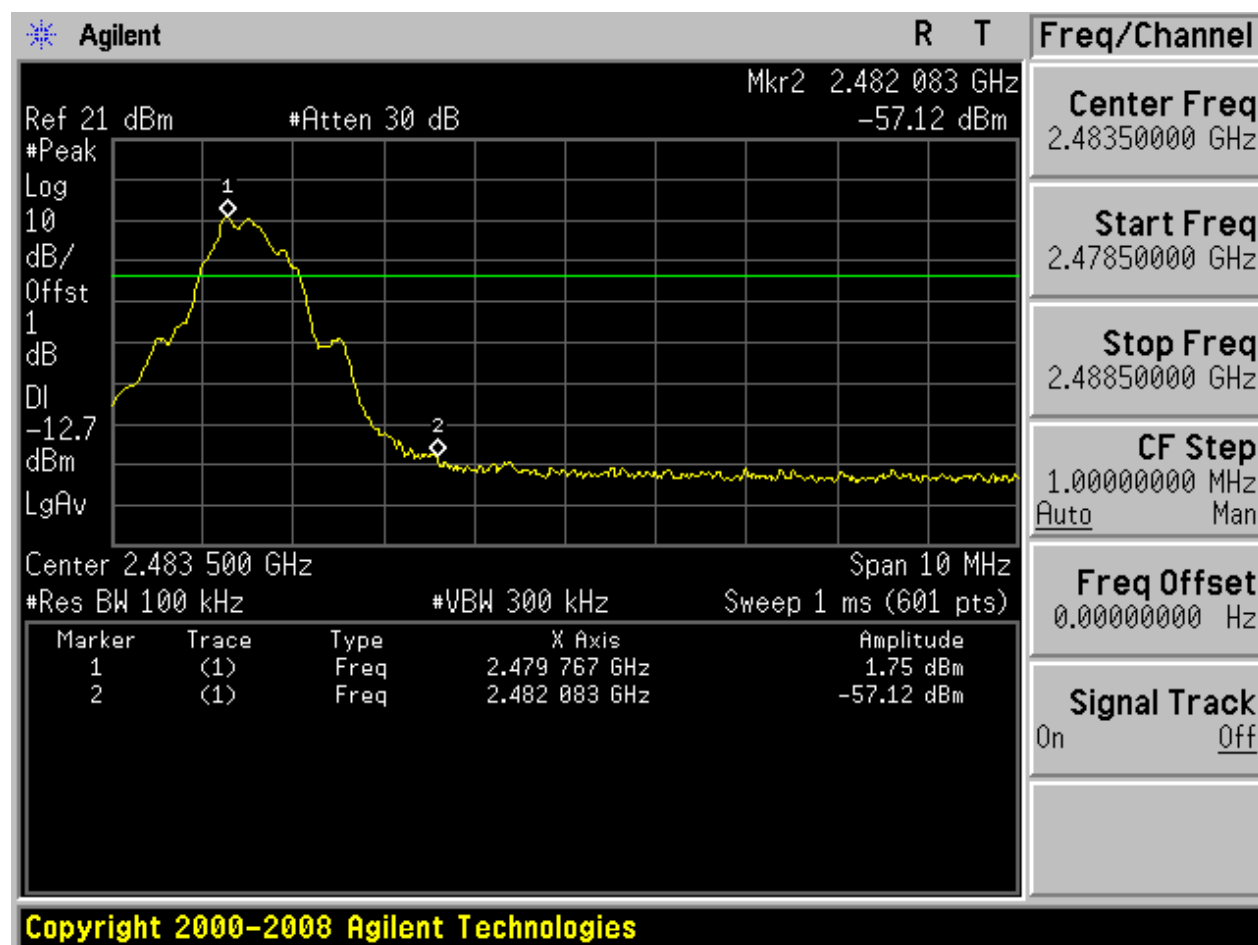
EUT Conf.	Channel No.	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max. Spurious Level [dBm]	Limit [dBm]	Result
TM1_DH5_Ch0	0	2402	-0.22	Off	-50.20	-12.73	Pass
TM1_DH5_Ch39	39	2480	1.75	Off	-51.66	-12.72	Pass

2 Test Plot

2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch39





Appendix E: Conducted RF Spurious Emission

1 Result Table

In this Appendix, the “Pref” refers to the peak power level in any 100 kHz bandwidth within the fundamental emission which is used as the reference level, the “Puw” refers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \times \lg(100 [kHz]/\text{narrower RBW [kHz]})$. As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

In the result table, the “< Limit” denotes that “The Puw [dBm] is less than Pref [dBm] - 20 [dB], see test plots for detailed”.

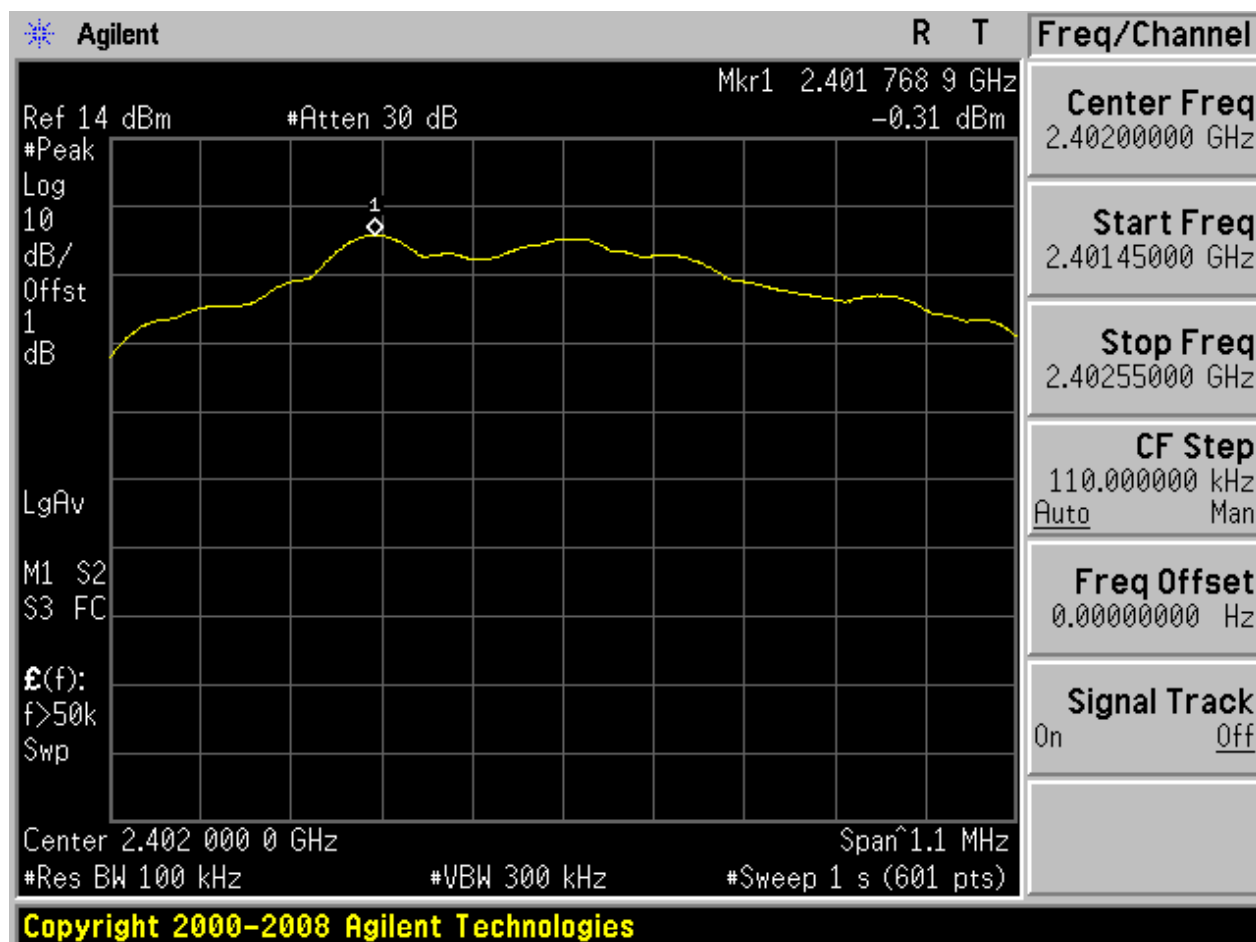
EUT Conf.	Pref [dBm/100 kHz]	Puw [dBm/100 kHz]	Verdict
TM1_DH5_Ch0	-0.31	< Limit	Pass
TM1_DH5_Ch39	1.24	< Limit	Pass
TM1_DH5_Ch78	1.89	< Limit	Pass



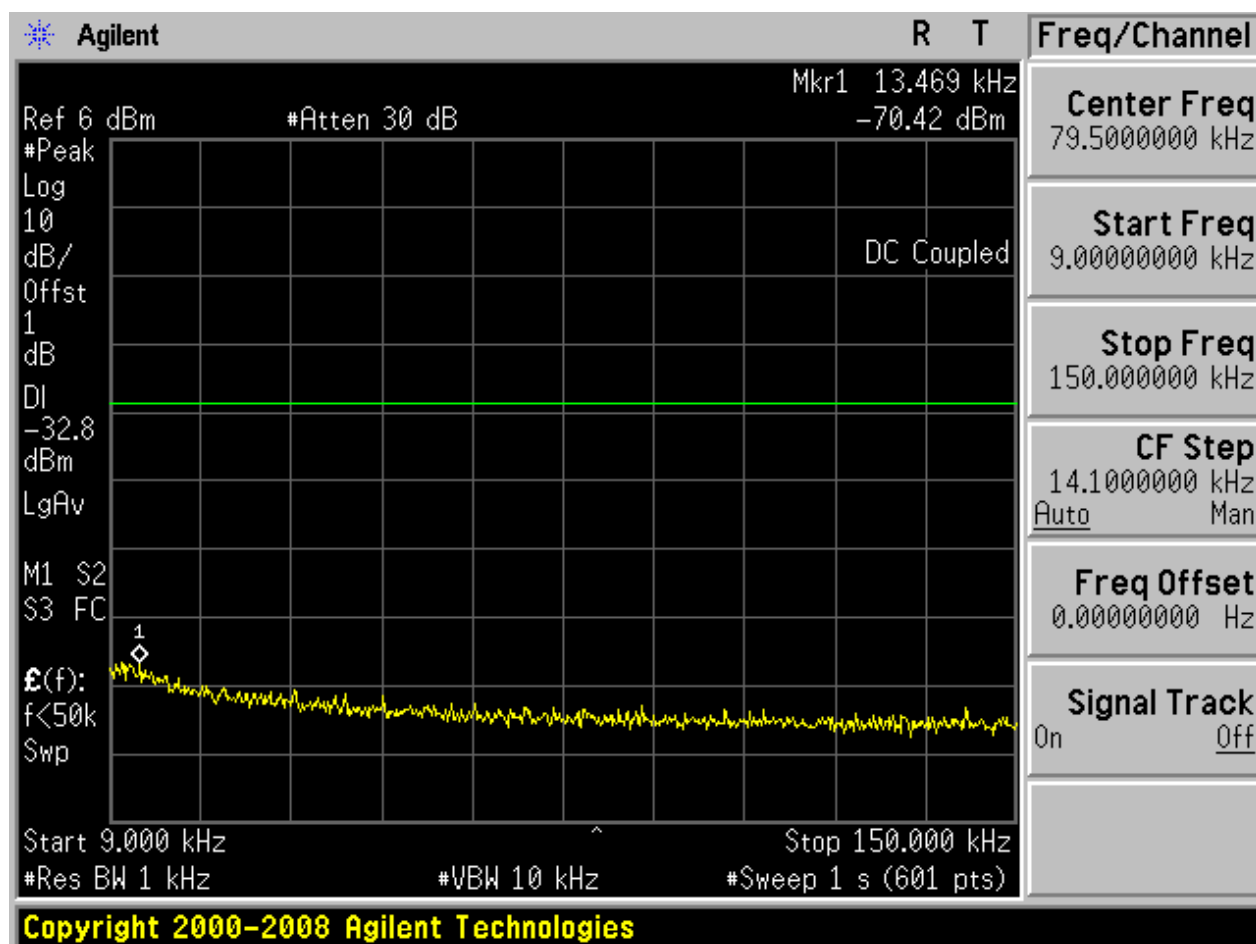
2 Test Plot

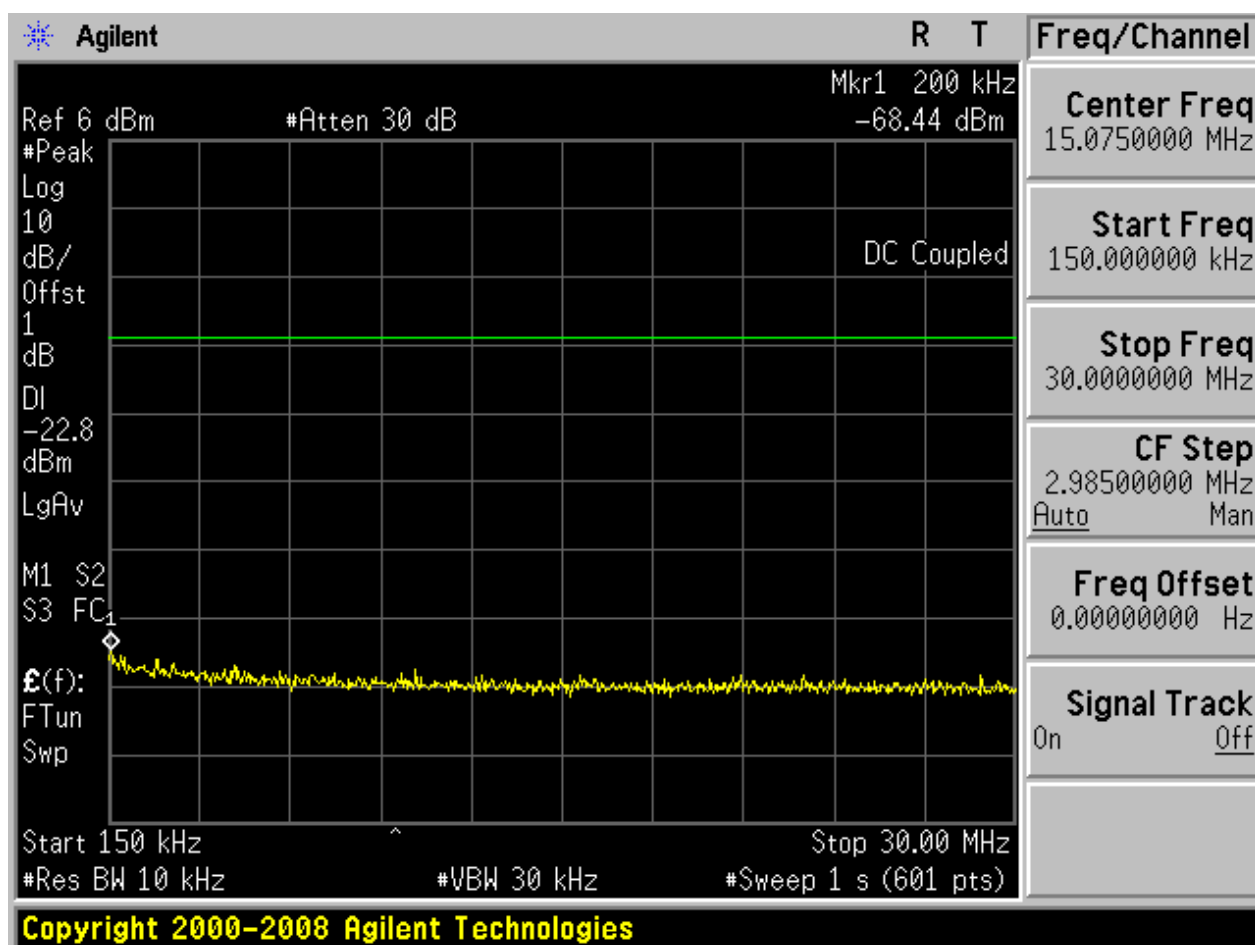
2.1 TM1_DH5_Ch0

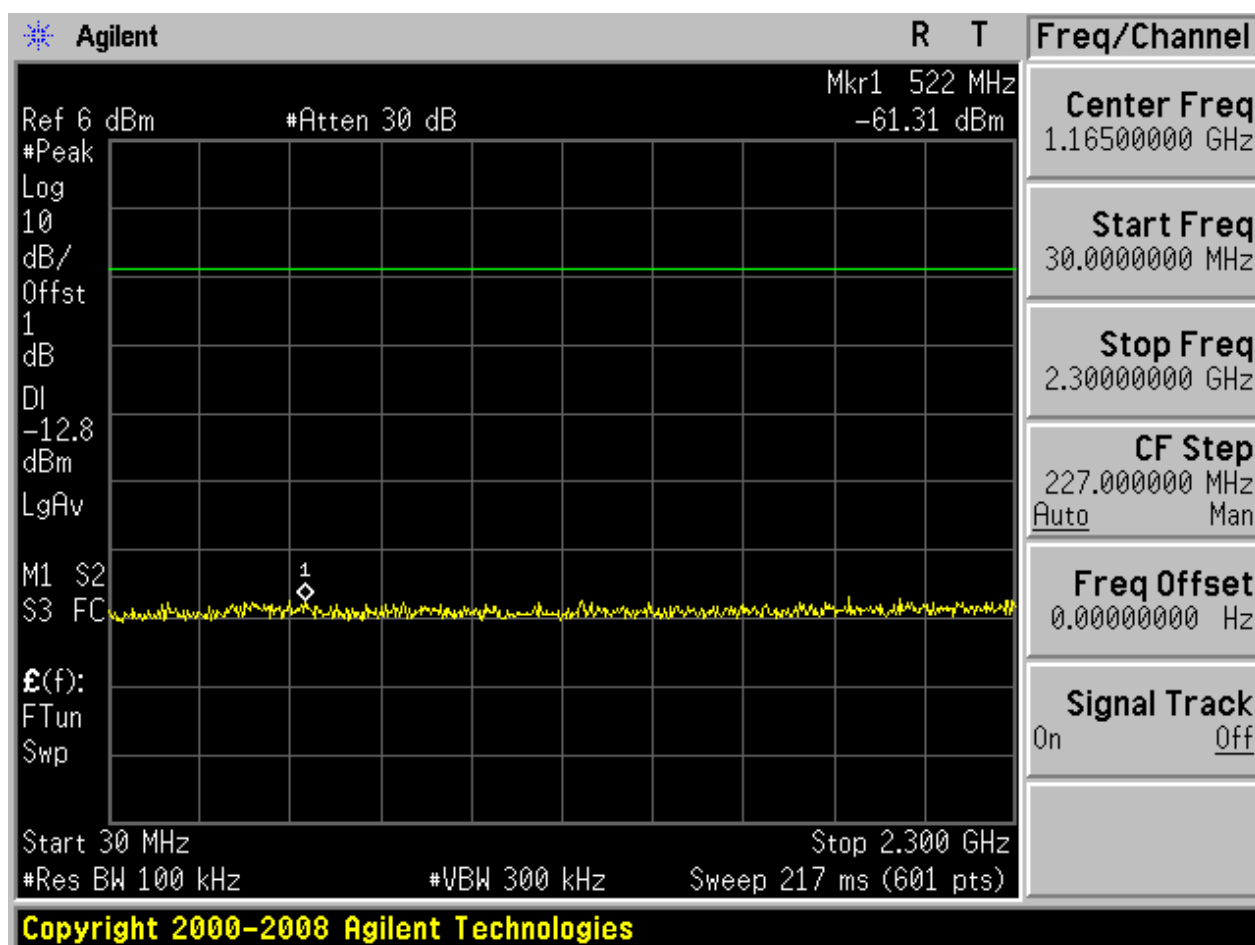
2.1.1 Pref

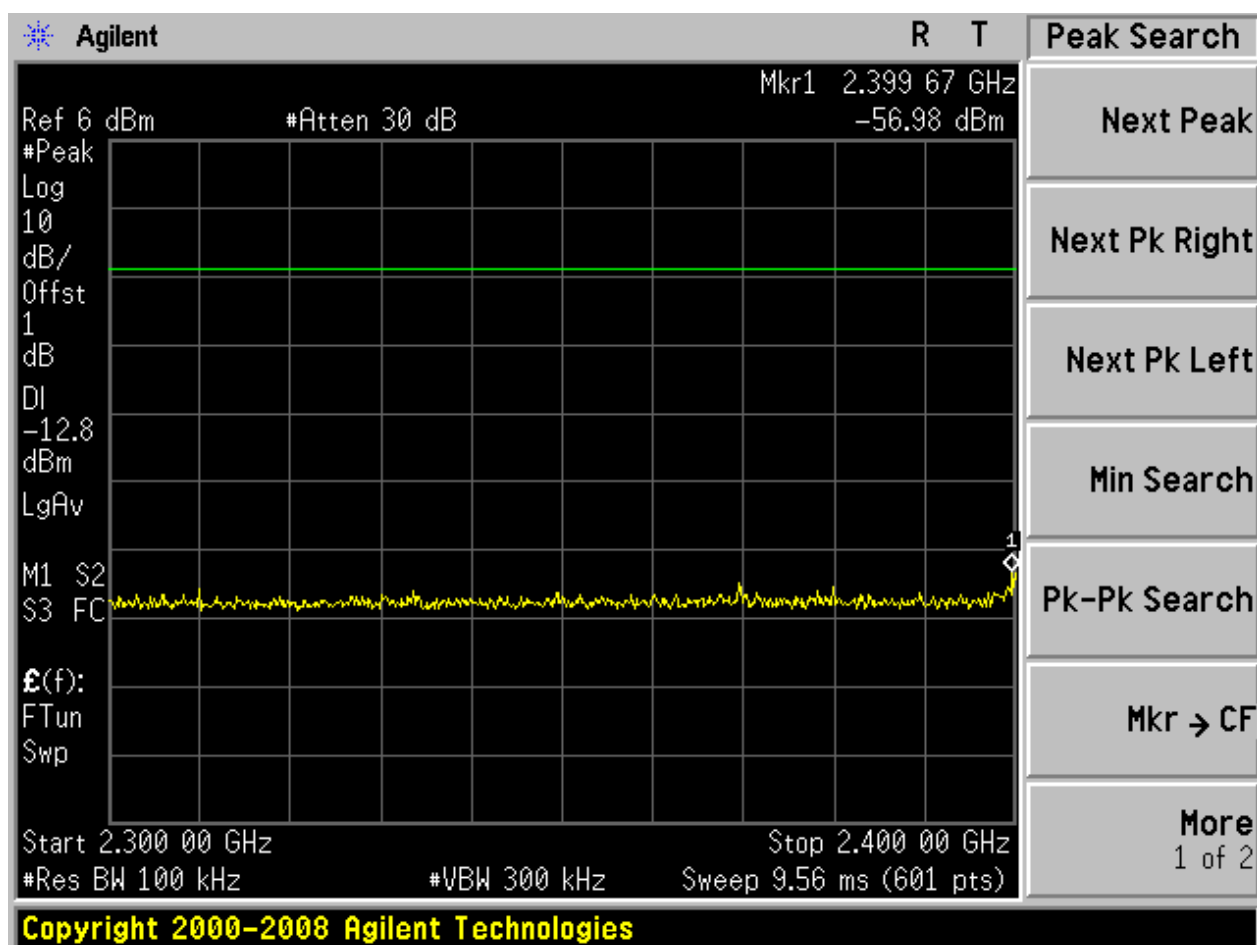


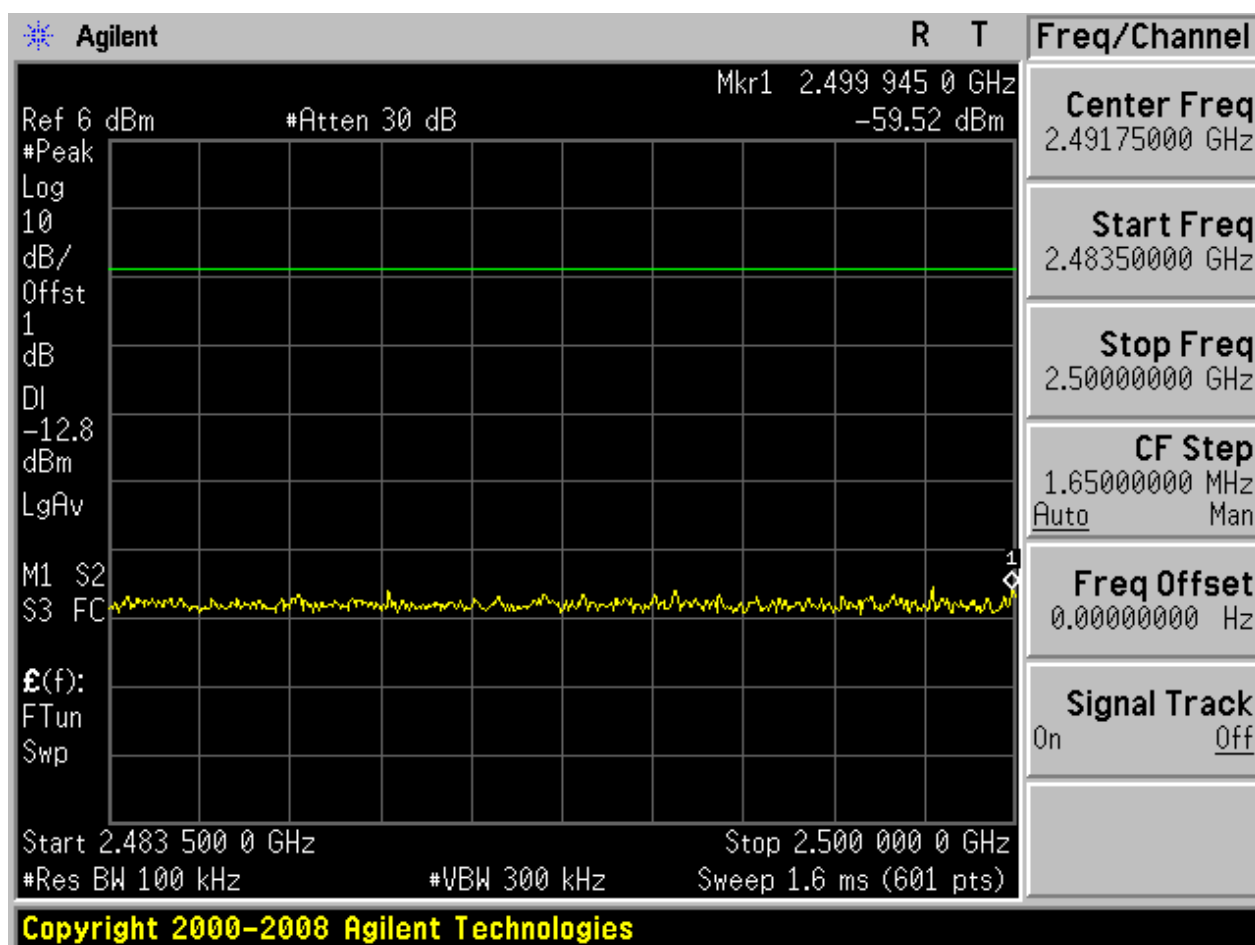
2.1.2 Puw

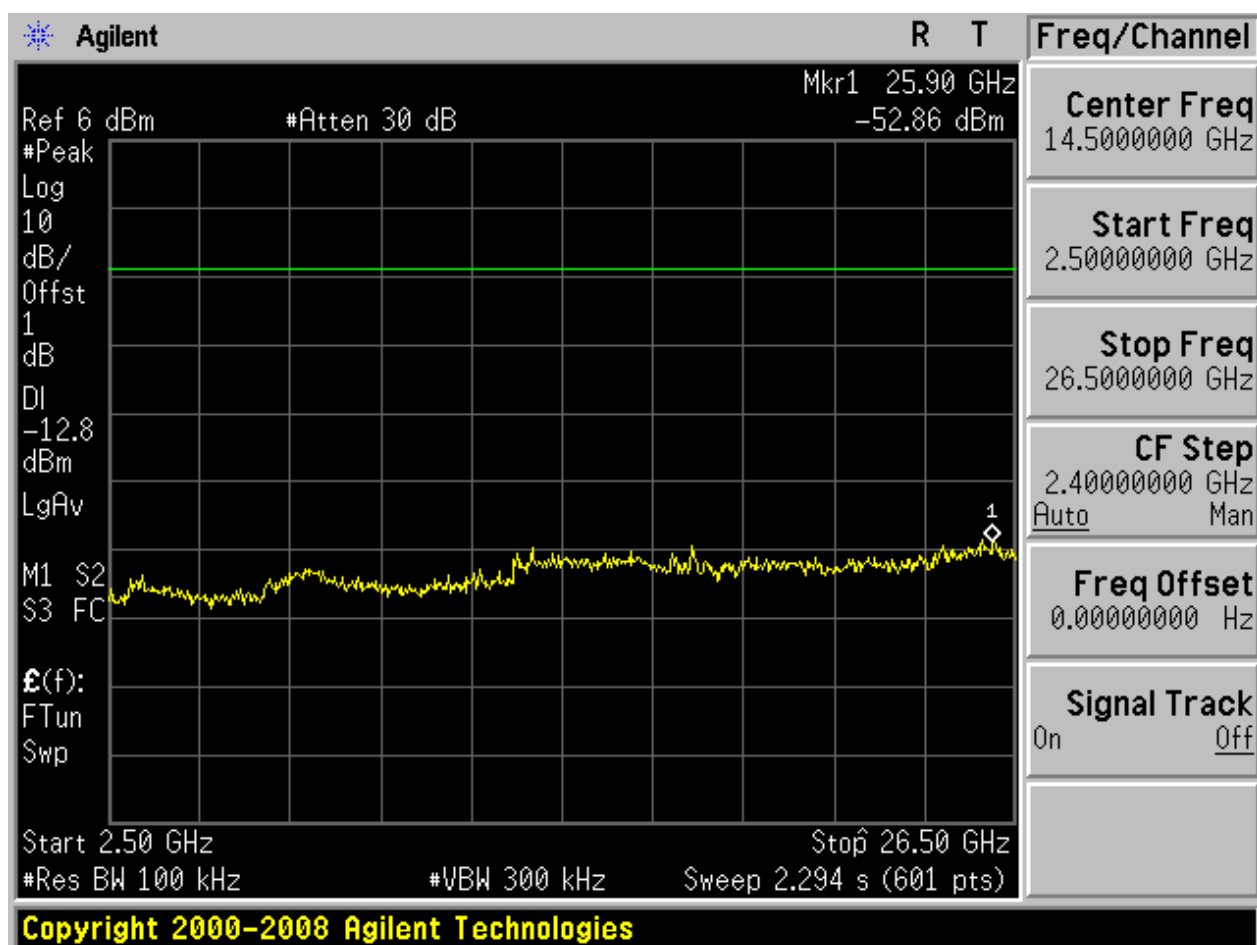






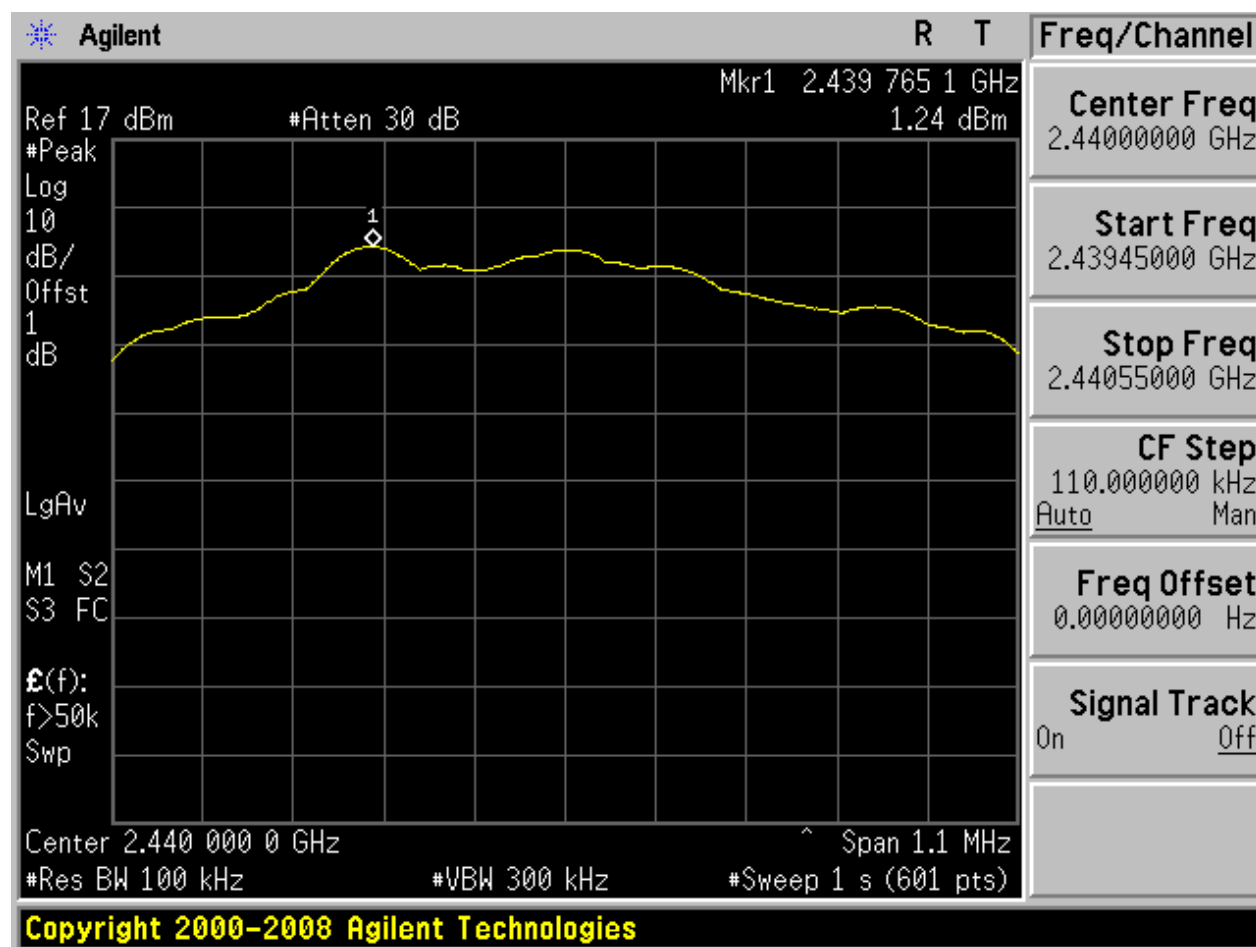




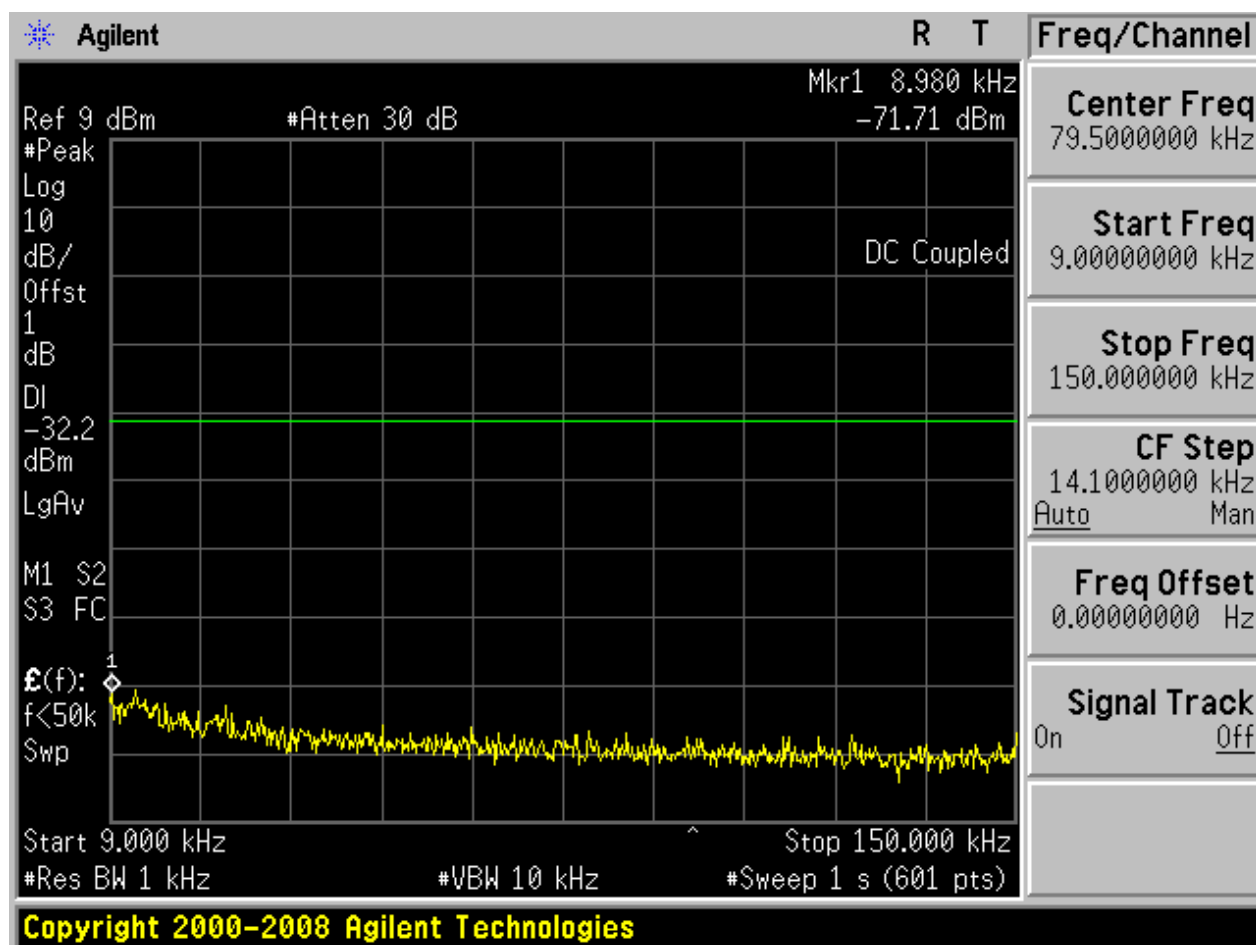


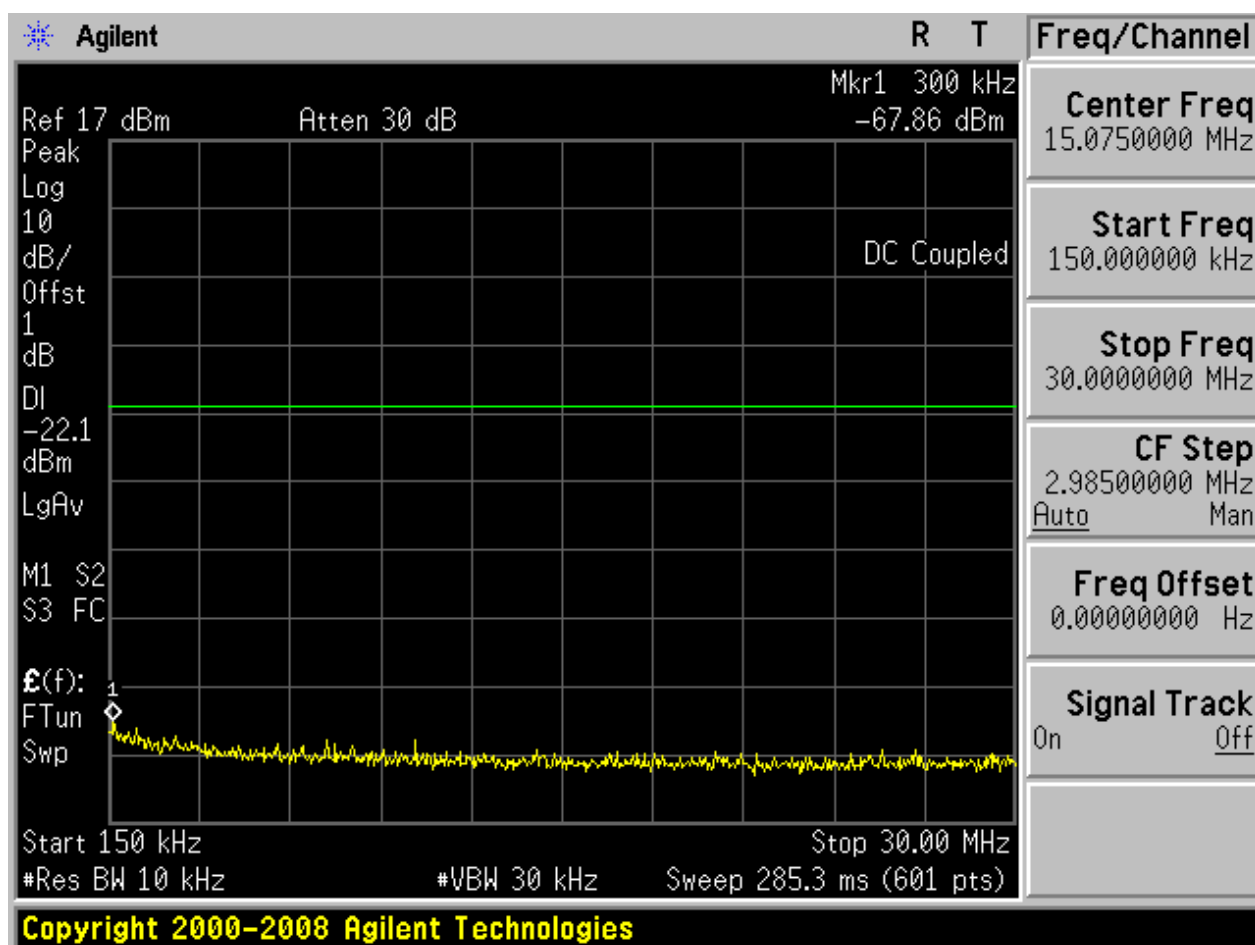
2.2 TM1_DH5_Ch19

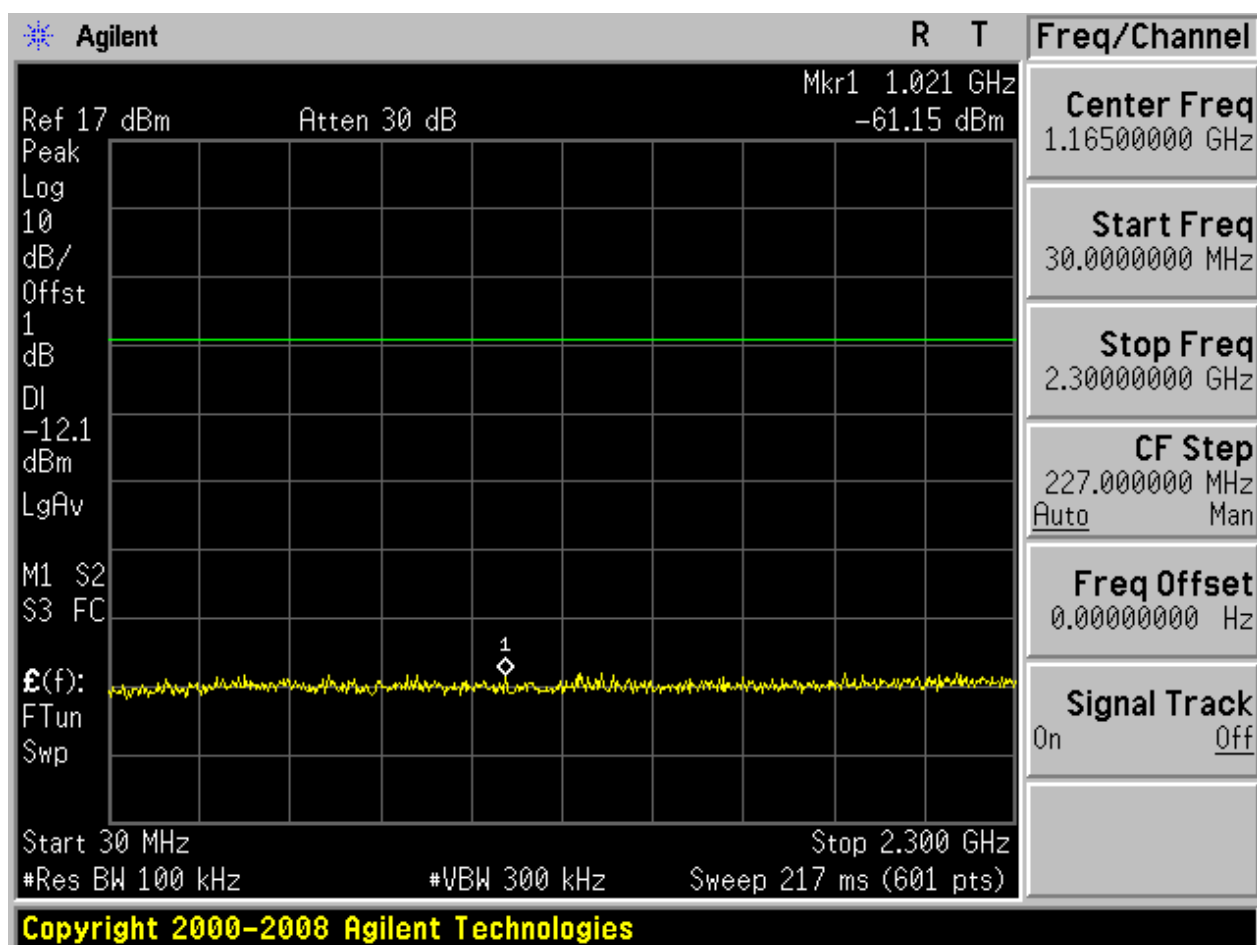
2.2.1 Pref

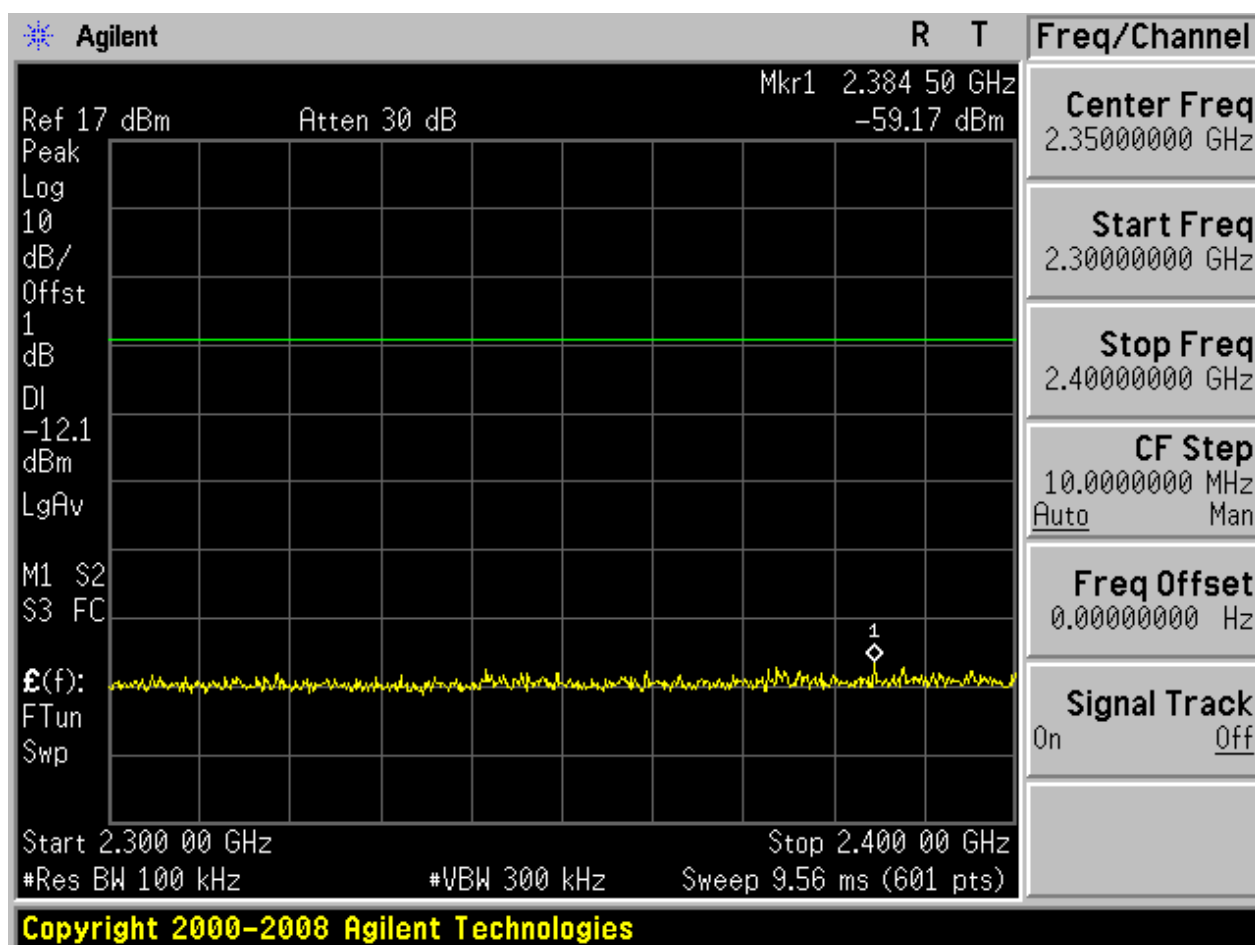


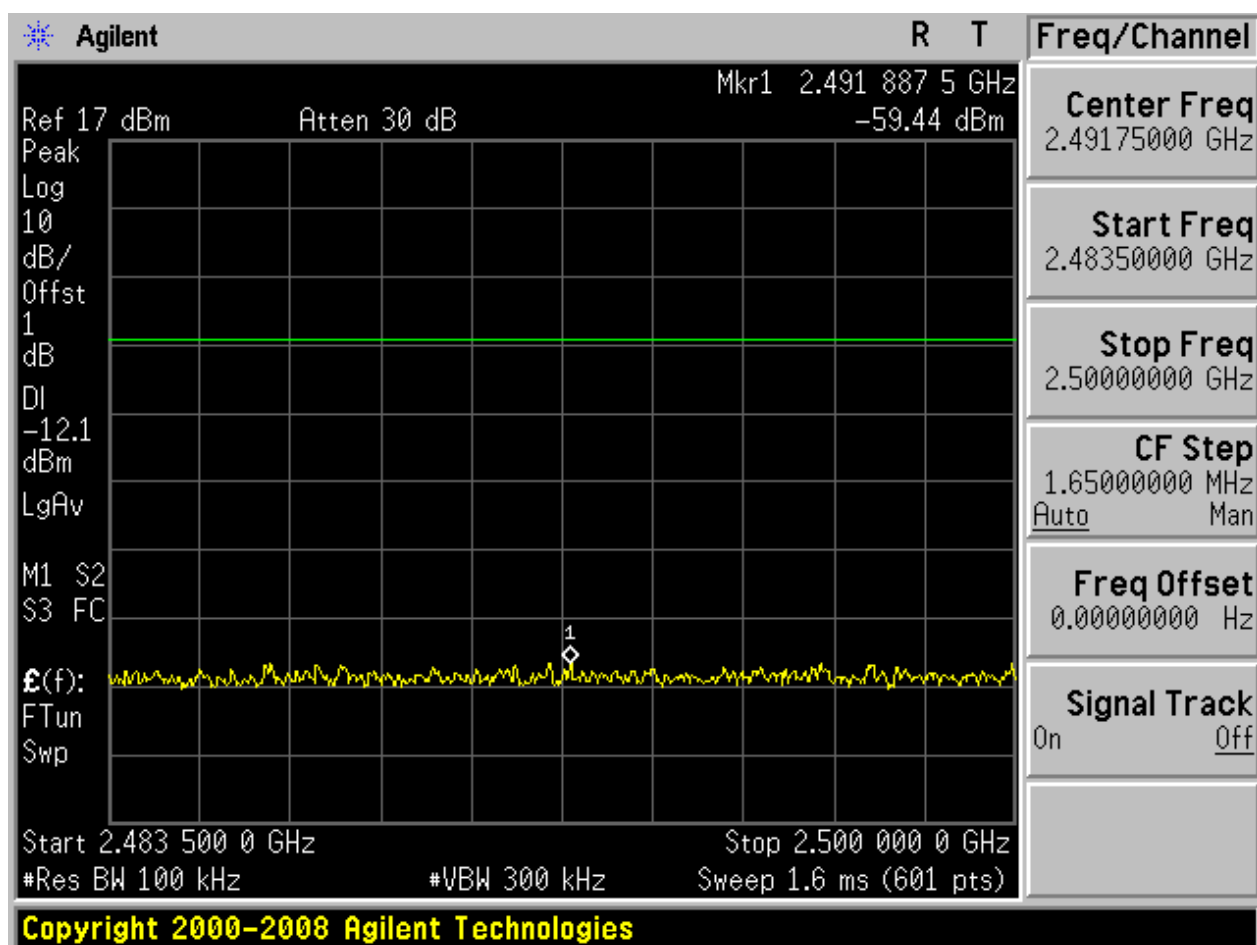
2.2.2 Puw

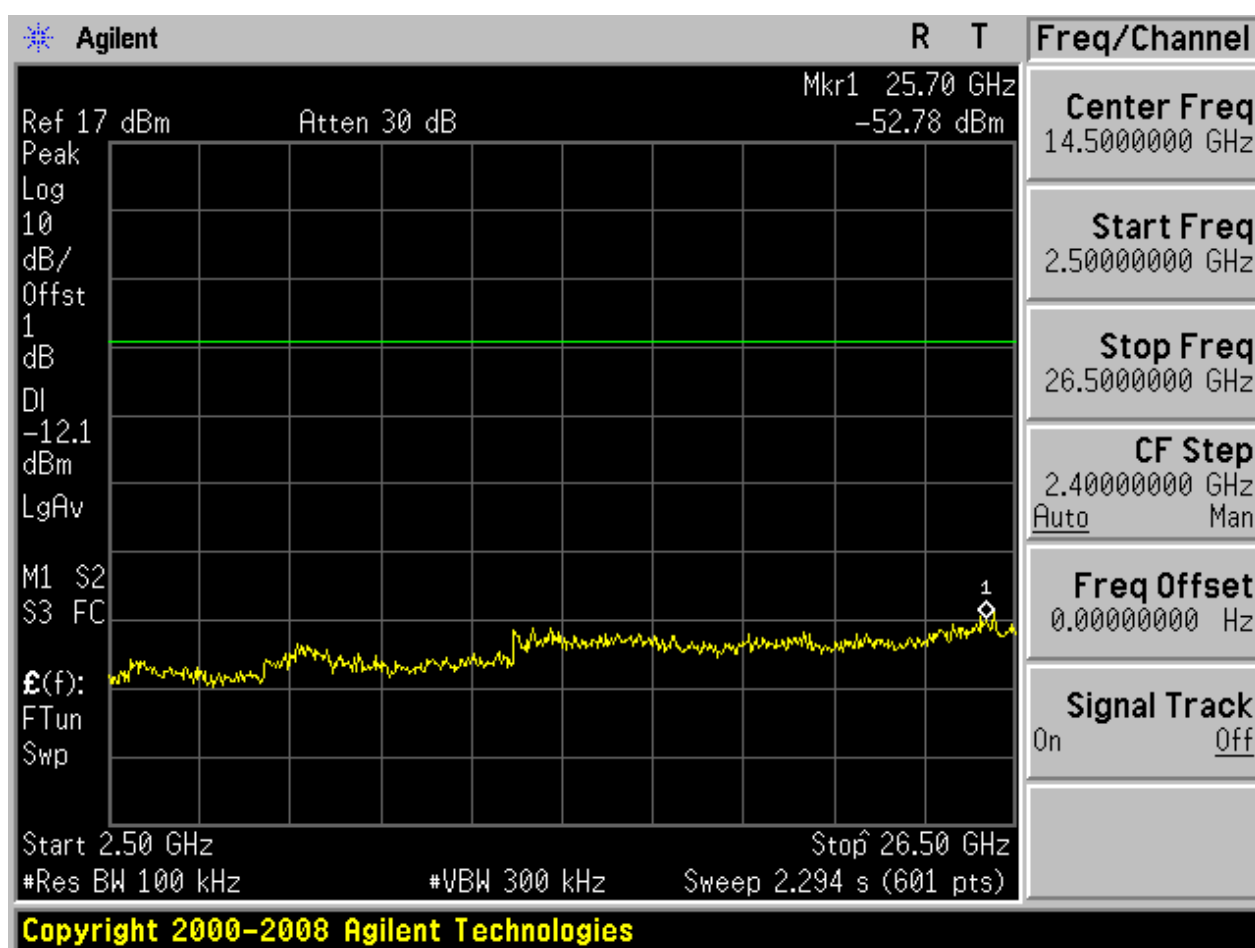








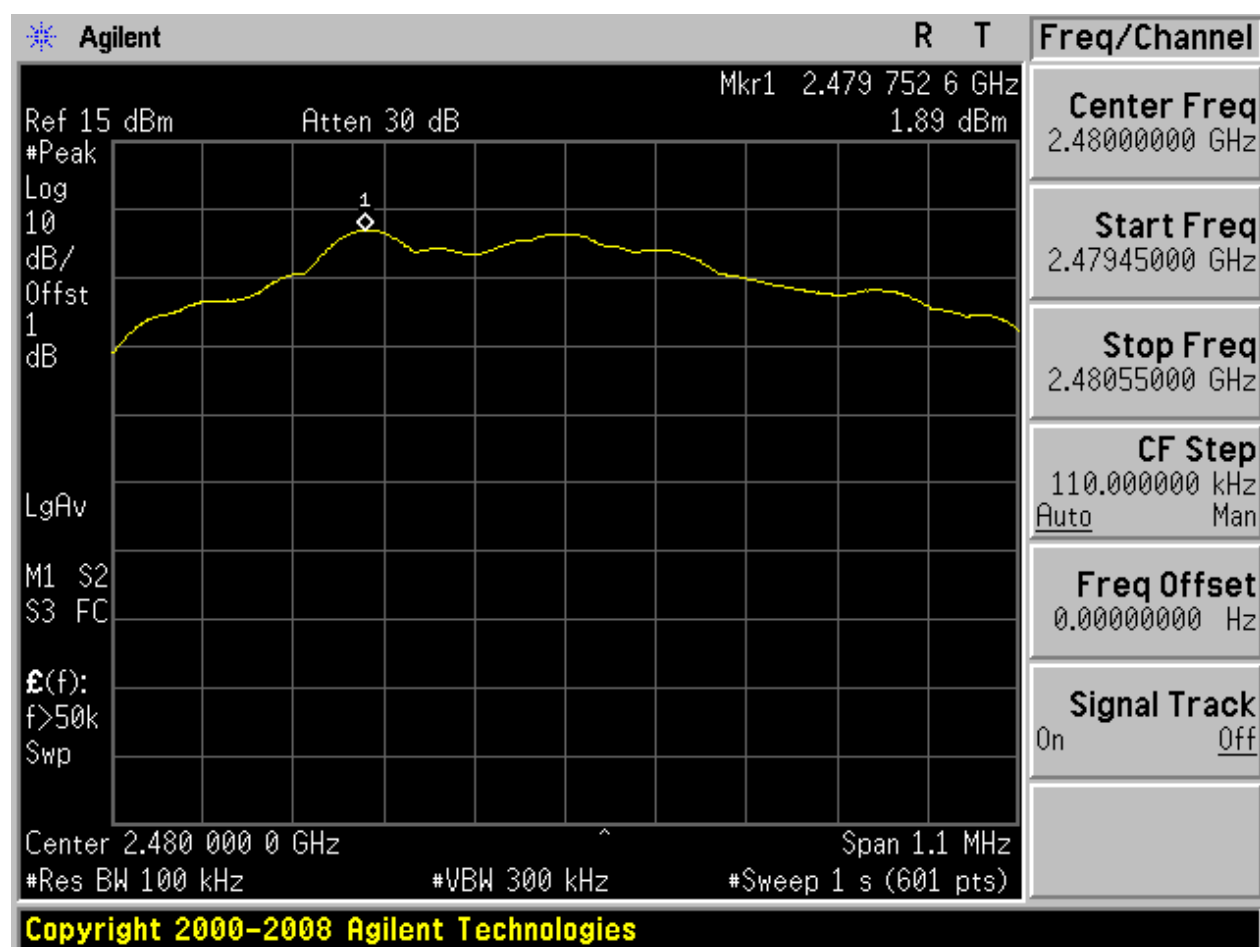






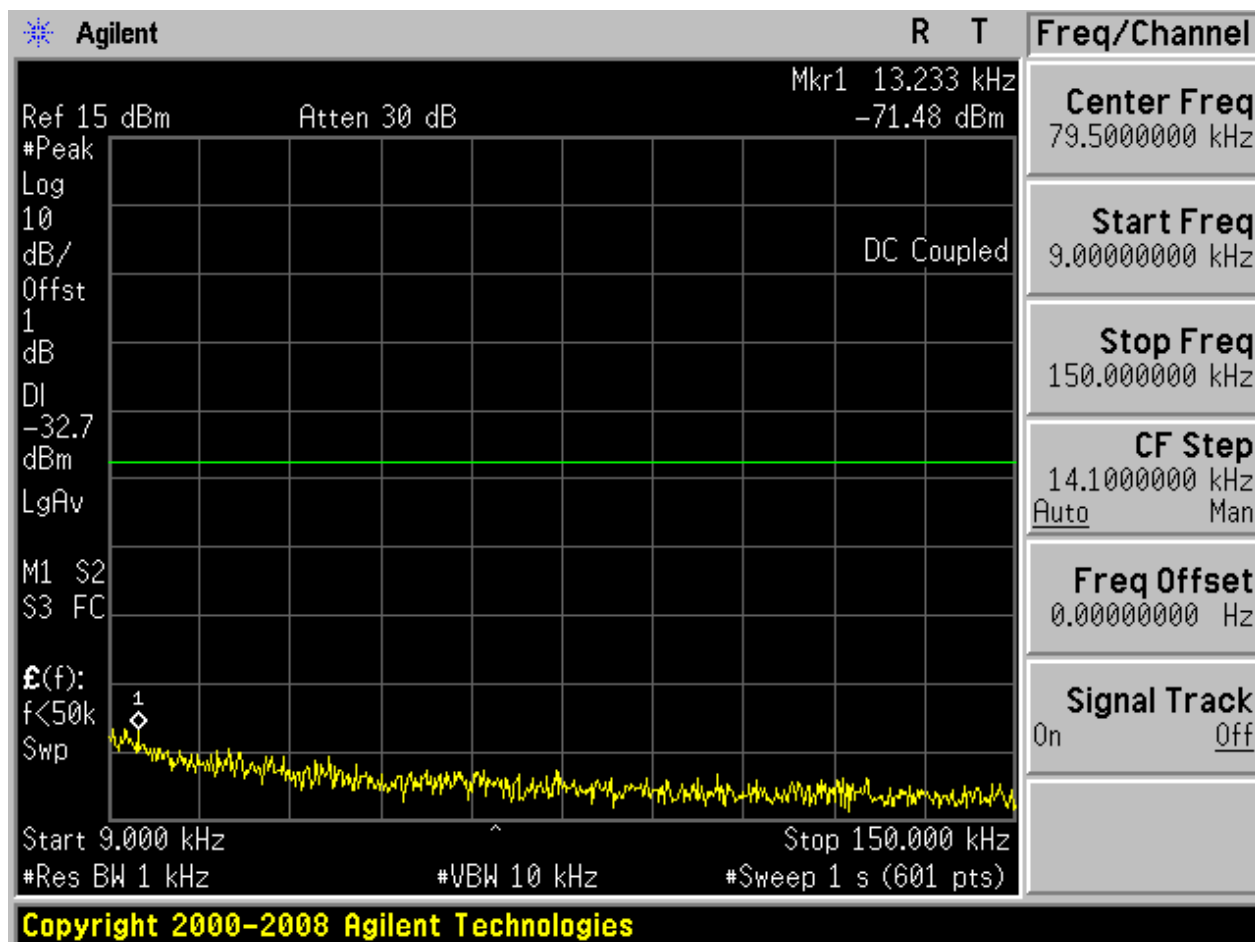
2.3 TM1_DH5_Ch39

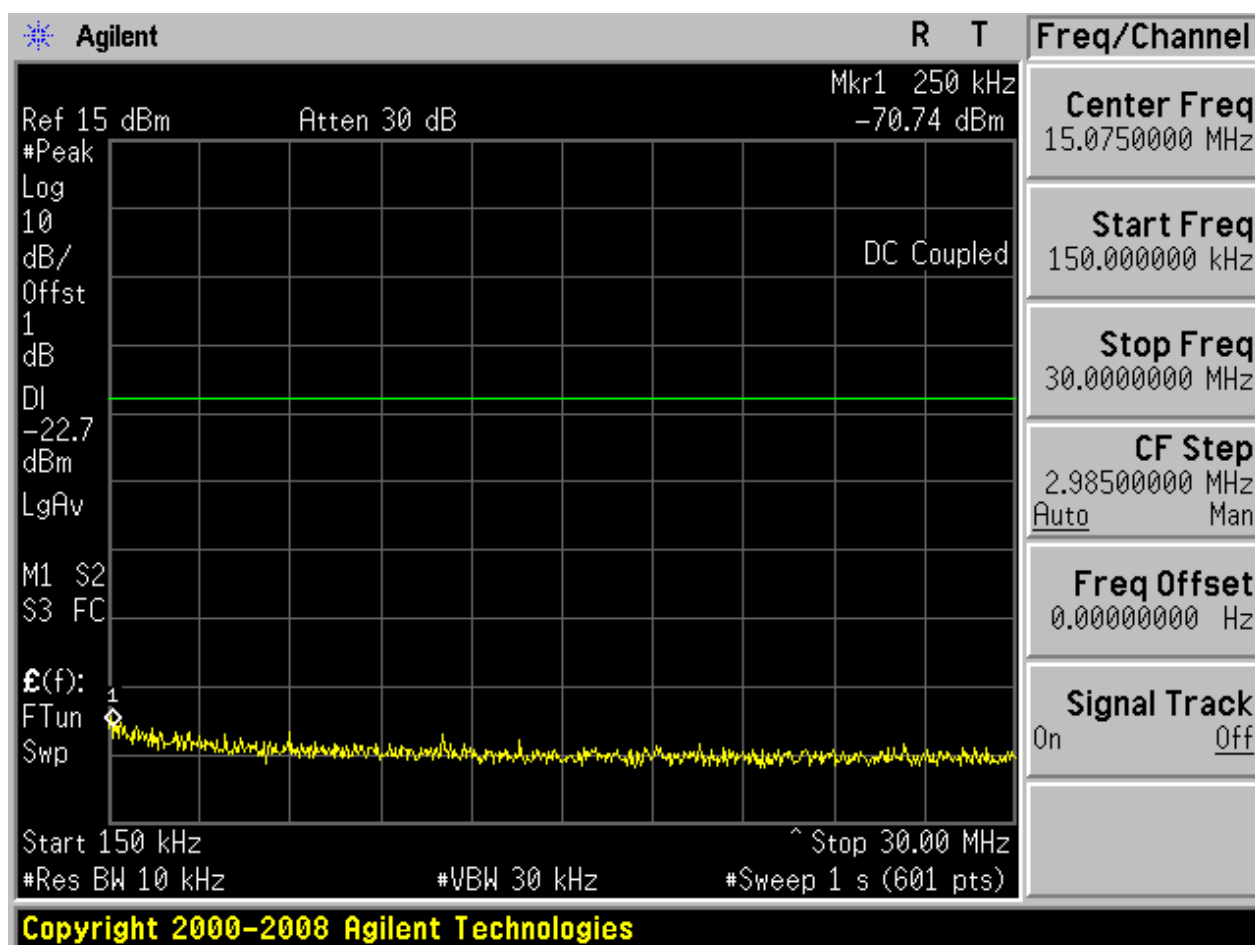
2.3.1 Pref

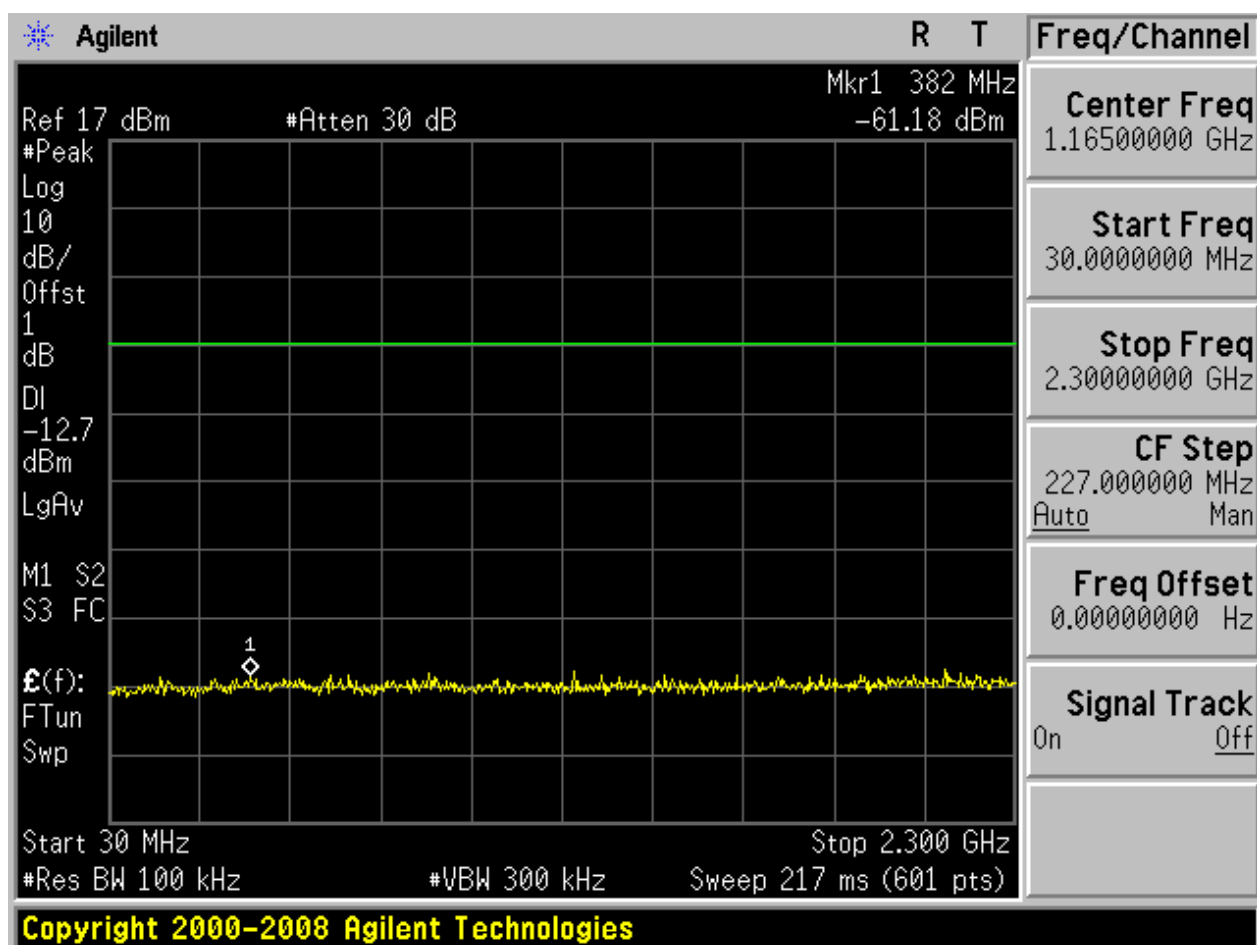


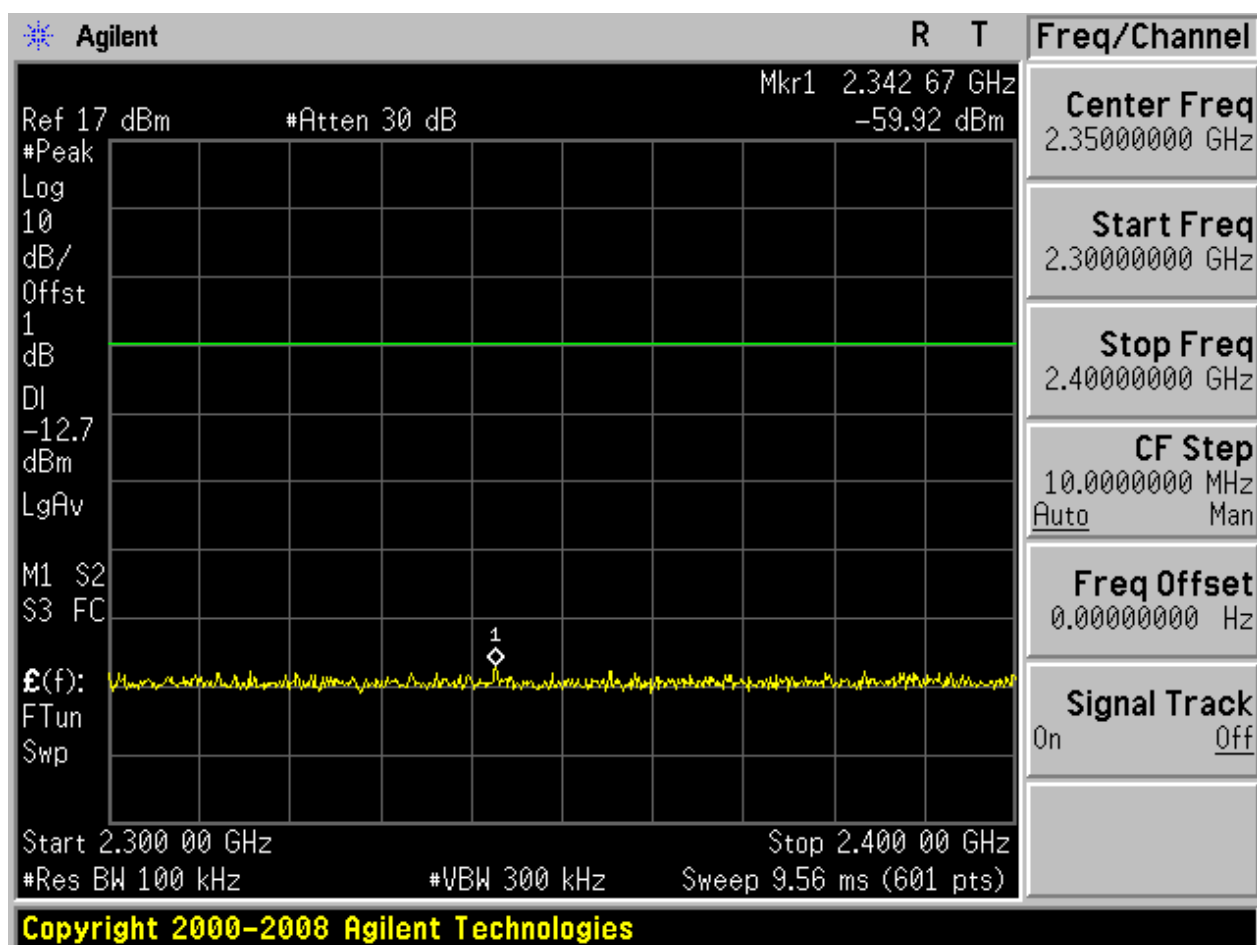


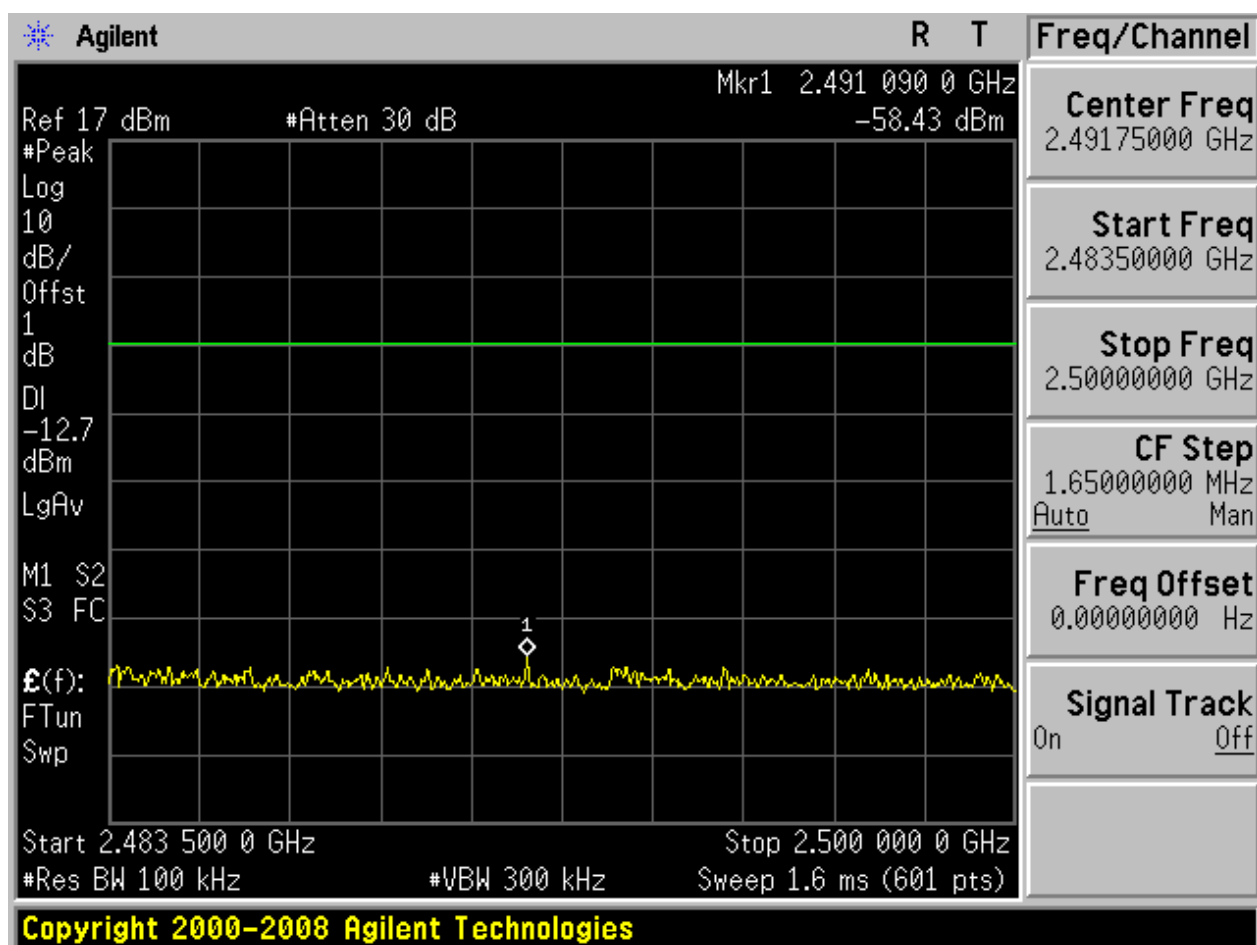
2.3.2 Puw

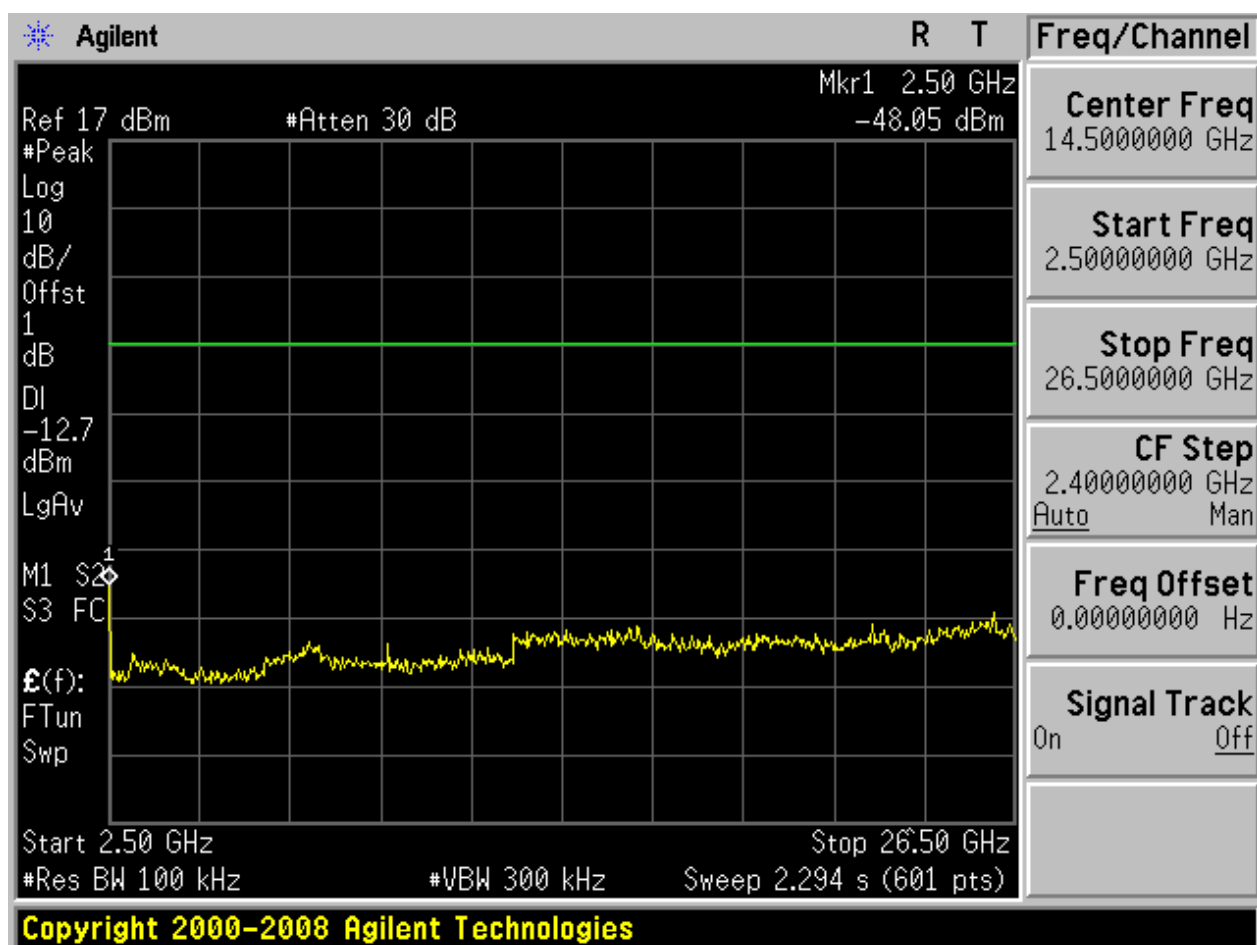








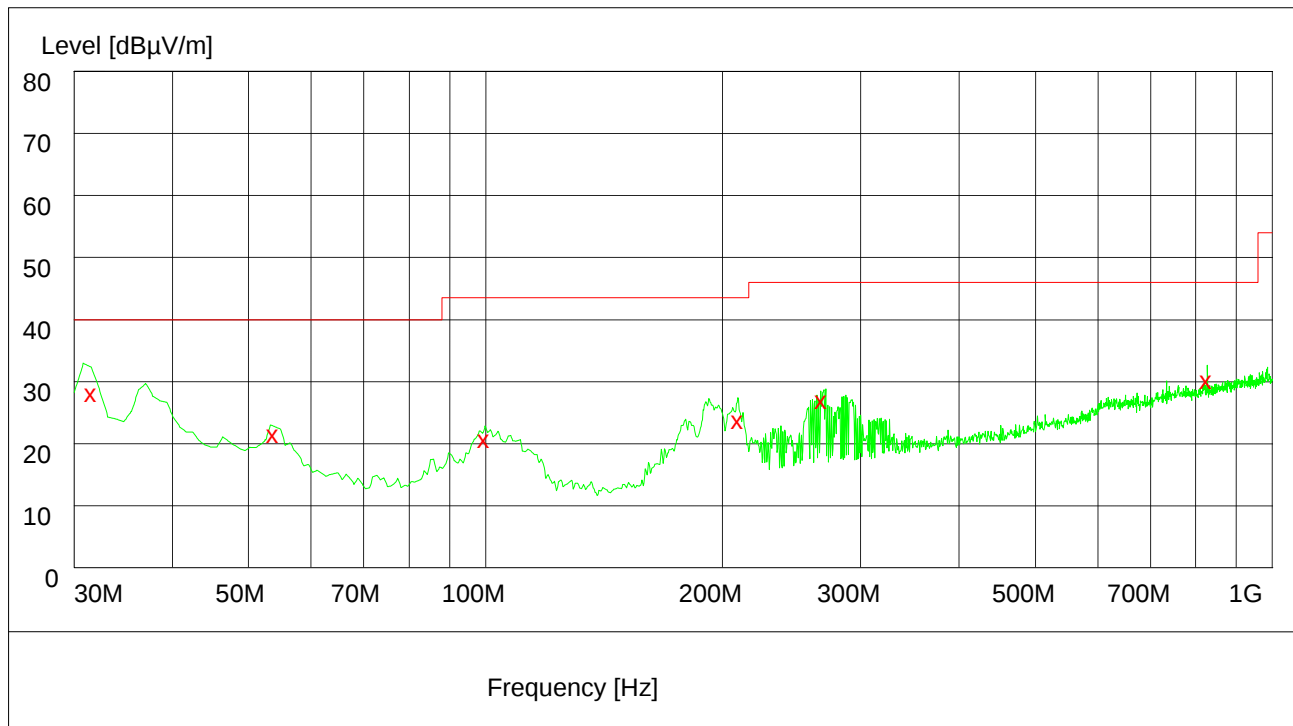




Appendix F: Radiated Emissions in the Restricted Bands

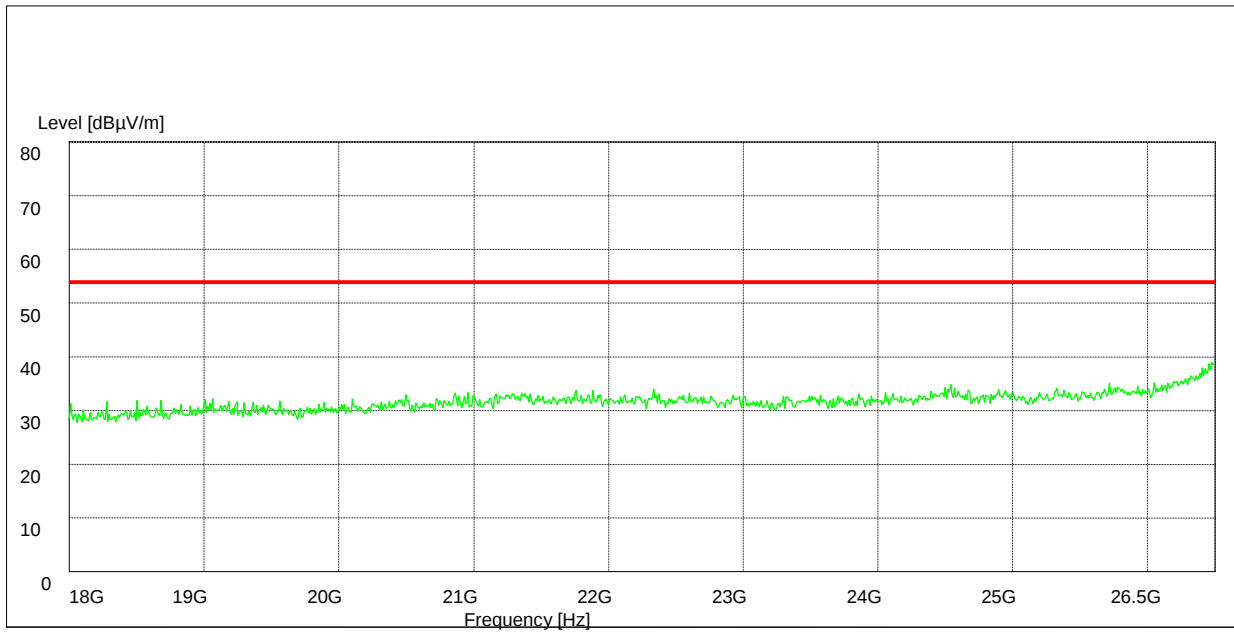
Part 1: Testing Range of “30 MHz to 1 GHz”

- 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.
- Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Plarization
31.620000	29.70	14.7	40.0	10.3	100.0	259.00	VERTICAL
53.880000	23.20	14.7	40.0	16.8	100.0	289.00	VERTICAL
99.840000	22.30	13.4	43.5	21.2	100.0	150.00	VERTICAL
209.700000	25.40	12.5	43.5	18.1	168.0	321.00	HORIZONTAL
267.960000	28.70	14.3	46.0	17.3	132.0	0.00	HORIZONTAL
827.580000	31.90	24.1	46.0	14.1	128.0	91.00	HORIZONTAL

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



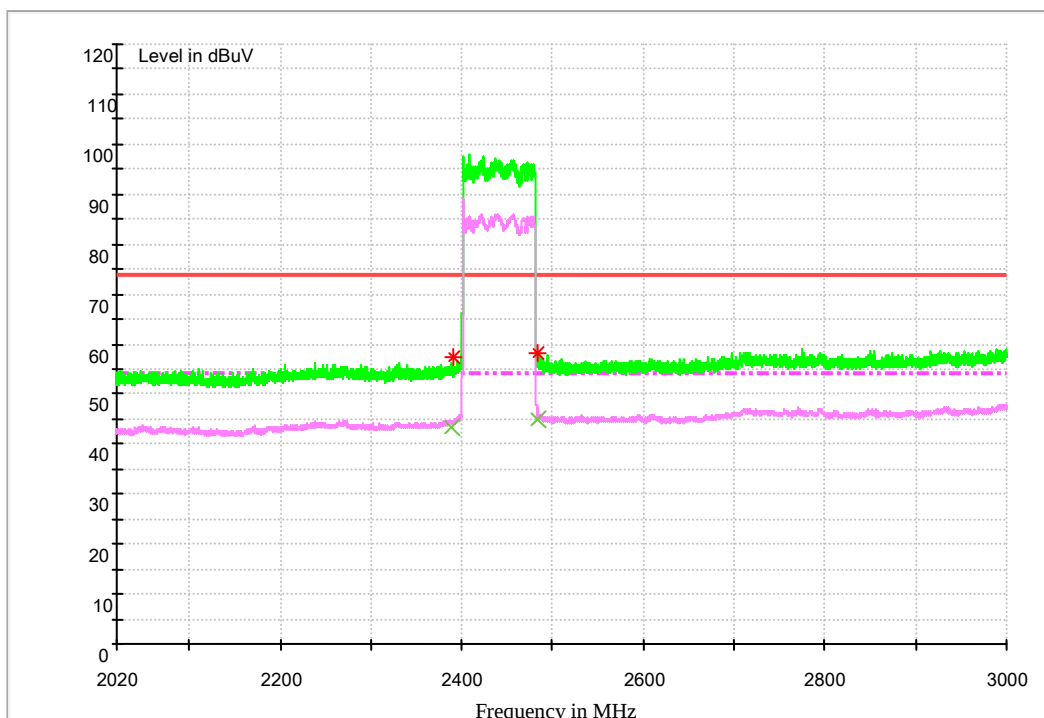
Note: No peak found in pre- test.

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.

3 Test Mode:

3.1 Channel 0



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

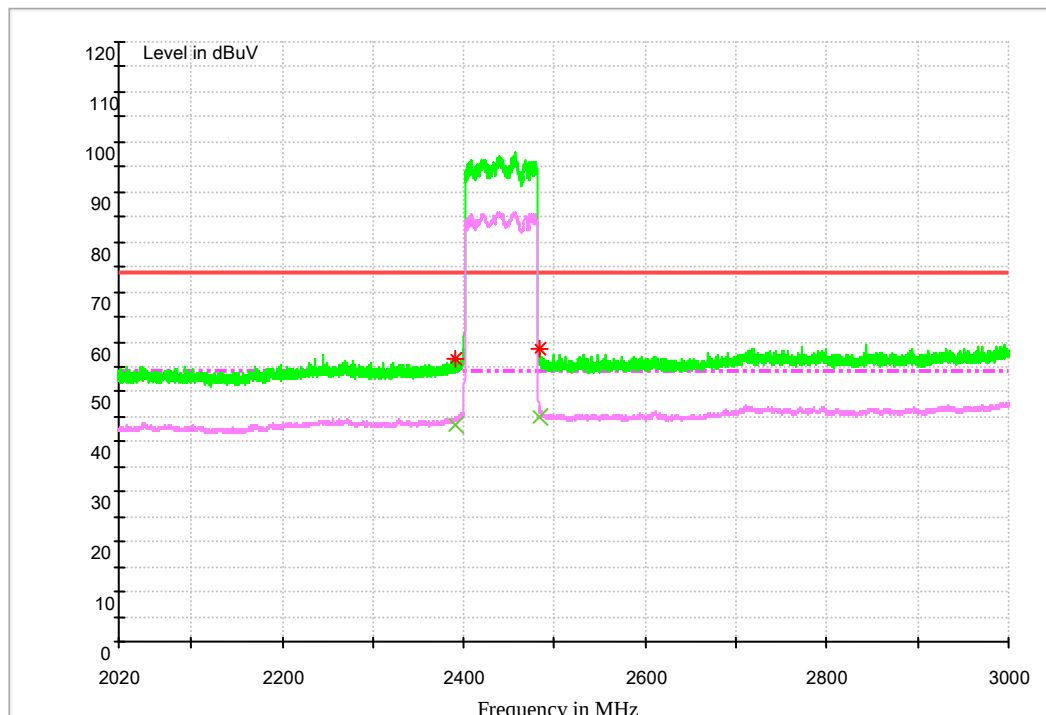
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	57.5	38.3	74.0	16.5	100.0	81.0	VERTICAL
2483.500000	58.1	40.4	74.0	15.9	100.0	251.0	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.2	38.3	54.0	10.8	100.0	114.0	VERTICAL
2483.500000	44.8	40.3	54.0	9.2	100.0	284.0	HORIZONTAL

3.2 Channel 39



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

MEASUREMENT RESULT: PK Detector

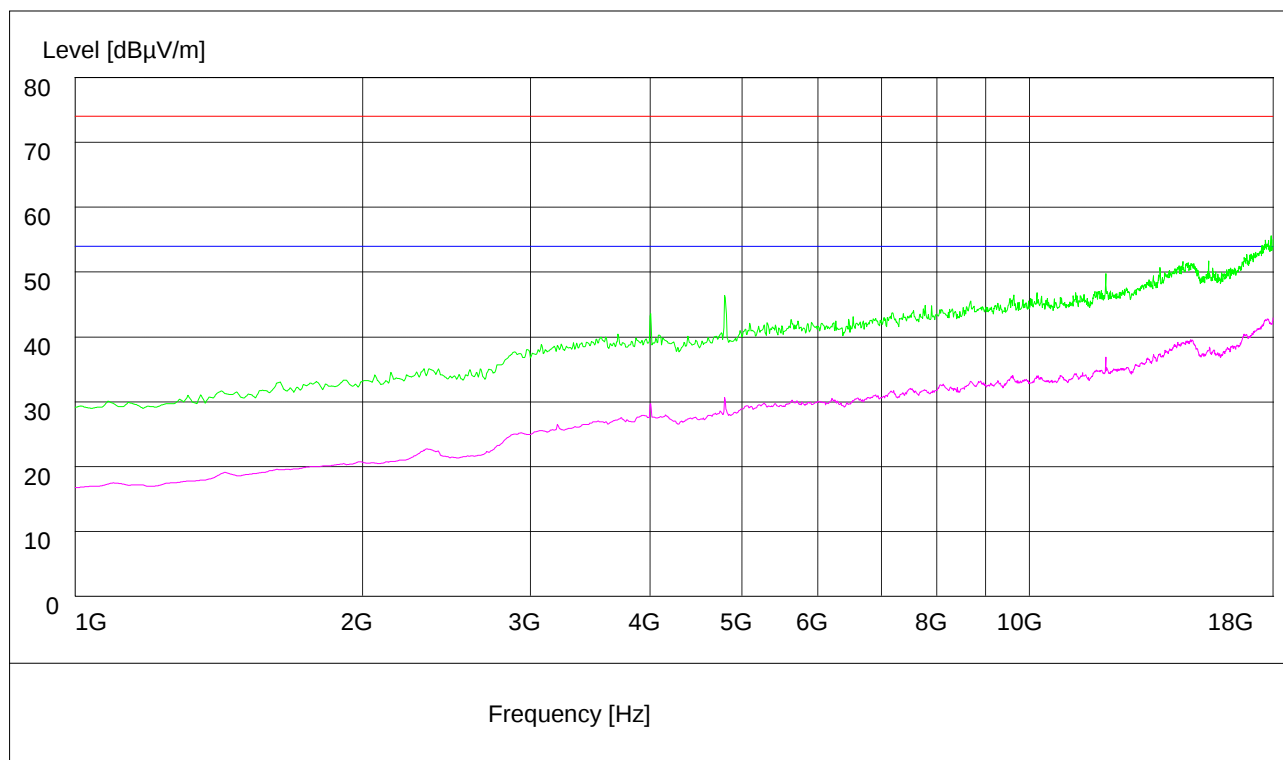
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.7	38.3	74.0	17.3	100.0	244.0	VERTICAL
2483.500000	58.6	40.7	74.0	15.4	100.0	59.0	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.2	38.3	54.0	10.8	100.0	321.0	HORIZONTAL
2483.500000	44.9	40.4	54.0	9.1	119.0	0.0	HORIZONTAL

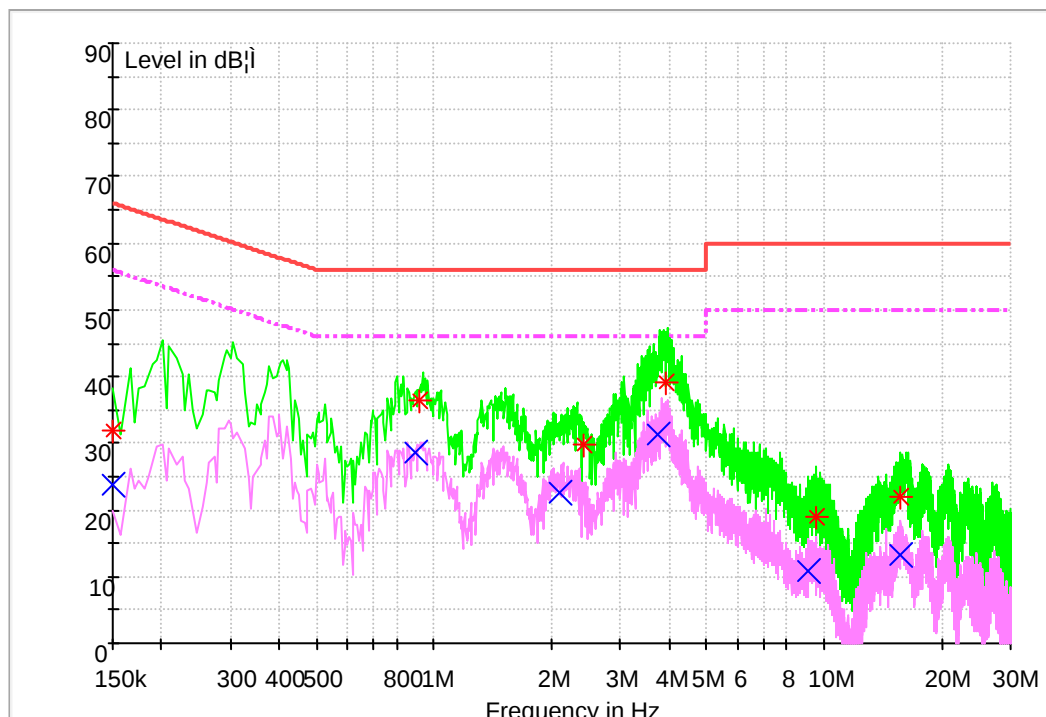
Part 4: Testing Range of “1 GHz to 18 GHz”

- 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).



Appendix G: AC Power Line Conducted Emissions

Channel 19



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150000	31.8	9.7	66.0	34.2	L1	FLO
0.912000	36.4	9.7	56.0	19.6	N	FLO
2.408000	29.7	9.7	56.0	26.3	N	FLO
3.936000	39.1	9.8	56.0	16.9	N	FLO
9.556000	18.9	9.9	60.0	41.1	N	FLO
15.744000	21.9	10.1	60.0	38.1	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150000	23.9	9.7	56.0	32.1	N	FLO
0.896000	28.7	9.7	46.0	17.3	N	FLO
2.096000	22.7	9.7	46.0	23.3	N	FLO
3.740000	31.4	9.7	46.0	14.6	N	FLO
9.104000	10.9	9.9	50.0	39.1	N	FLO
15.732000	13.3	10.1	50.0	36.7	N	FLO

Note: Level= Reading level+ Transd (cable loss + correction factor).The reading level is used to calculate by software which is not shown in the sheet.

END