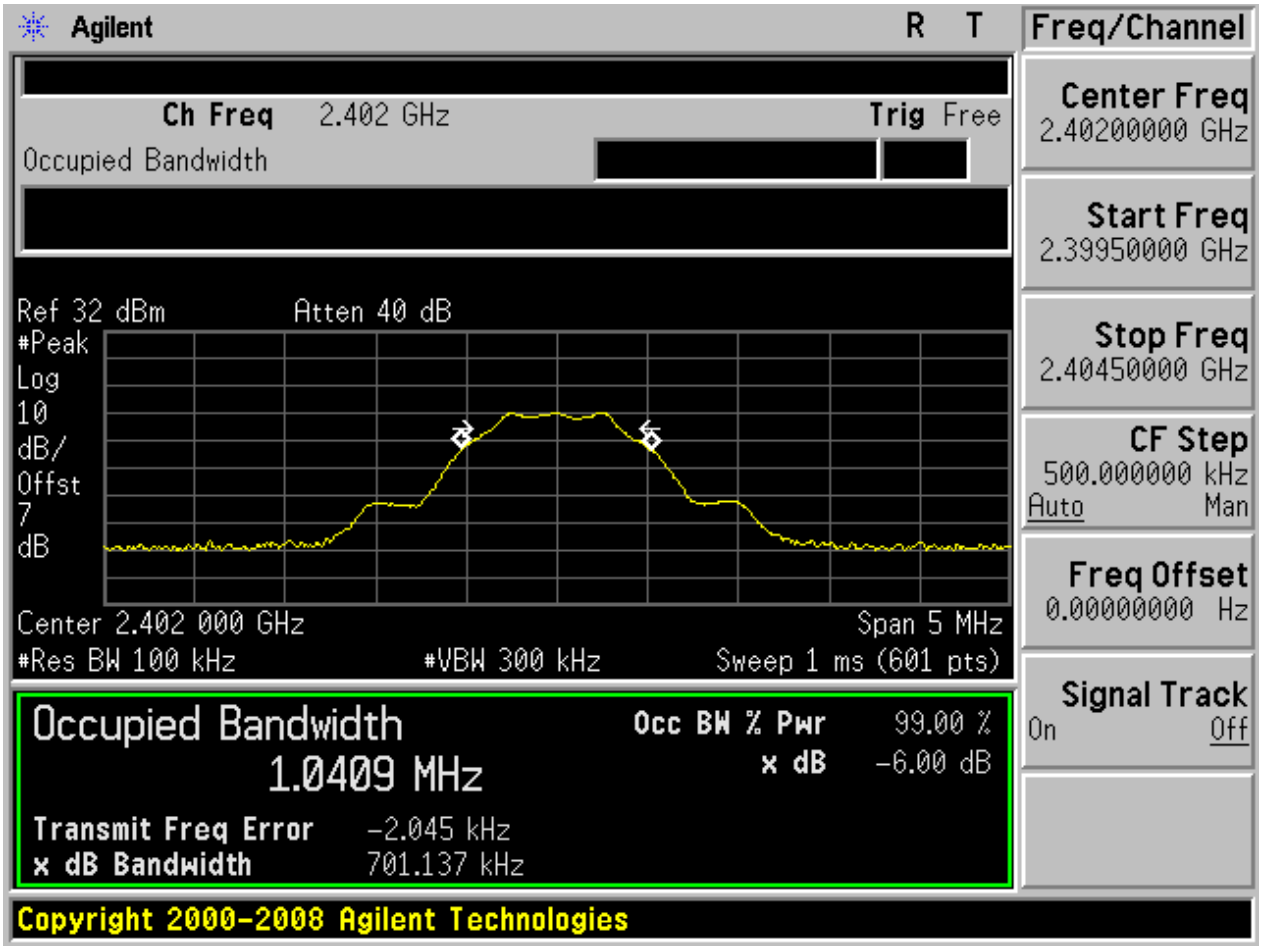
Appendix A: 6dB Emission Bandwidth (EBW)

1 Result Table

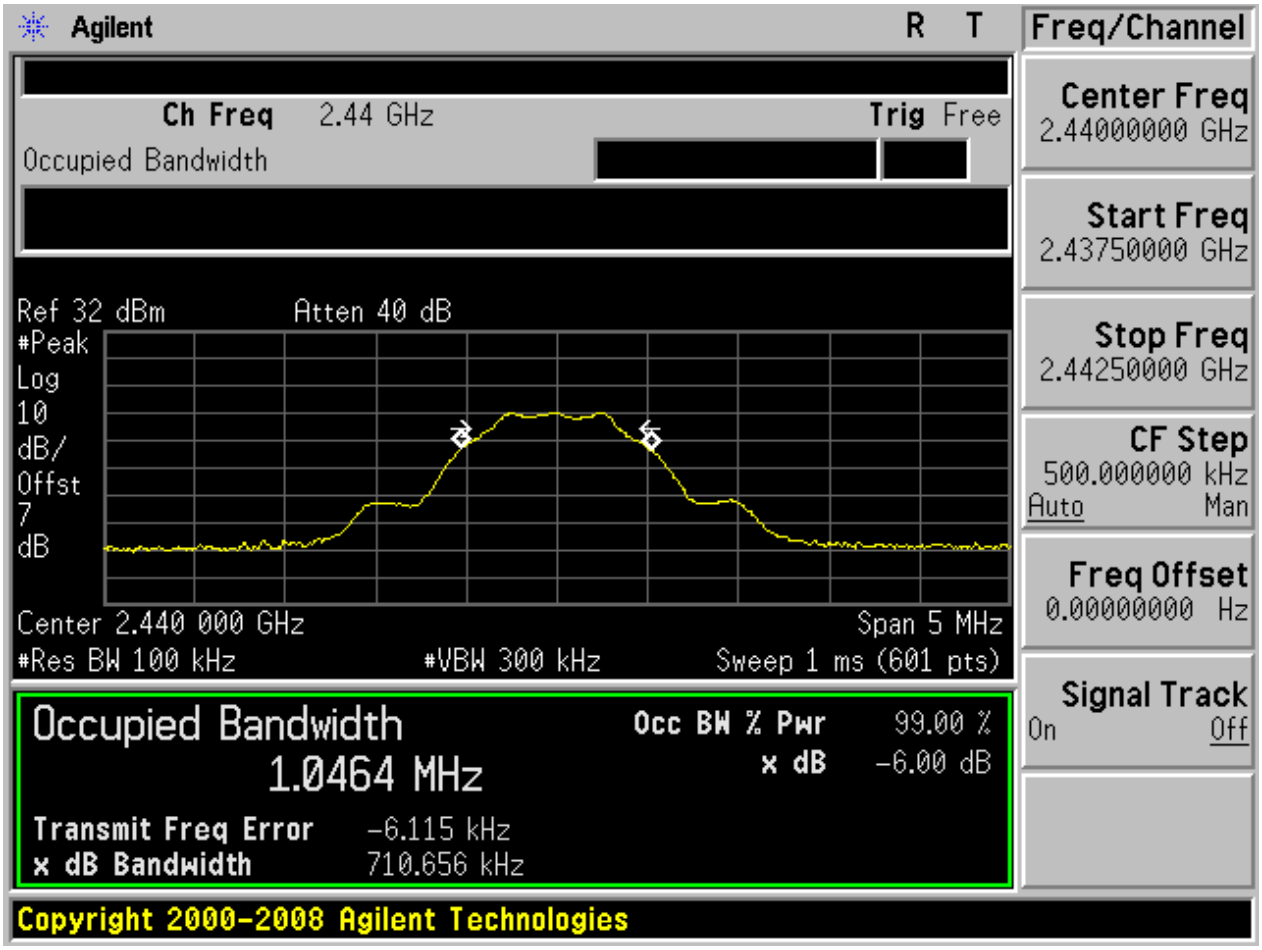
EUT Conf.	EBW [KHz]	Verdict
TM1_DH5_Ch0	701.137	Pass
TM1_DH5_Ch19	710.656	Pass
TM1_DH5_Ch39	699.980	Pass

2 Test Plot

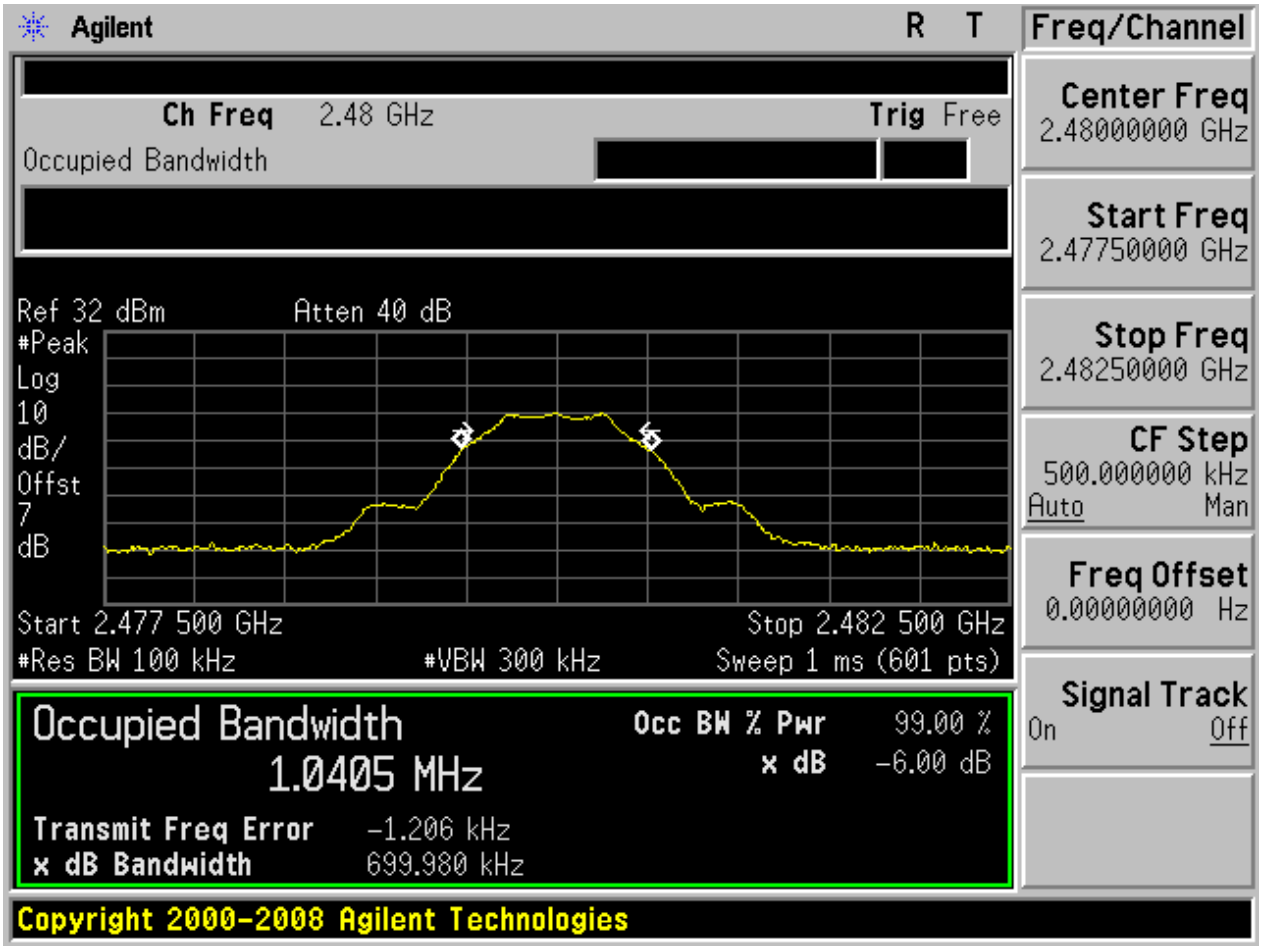
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



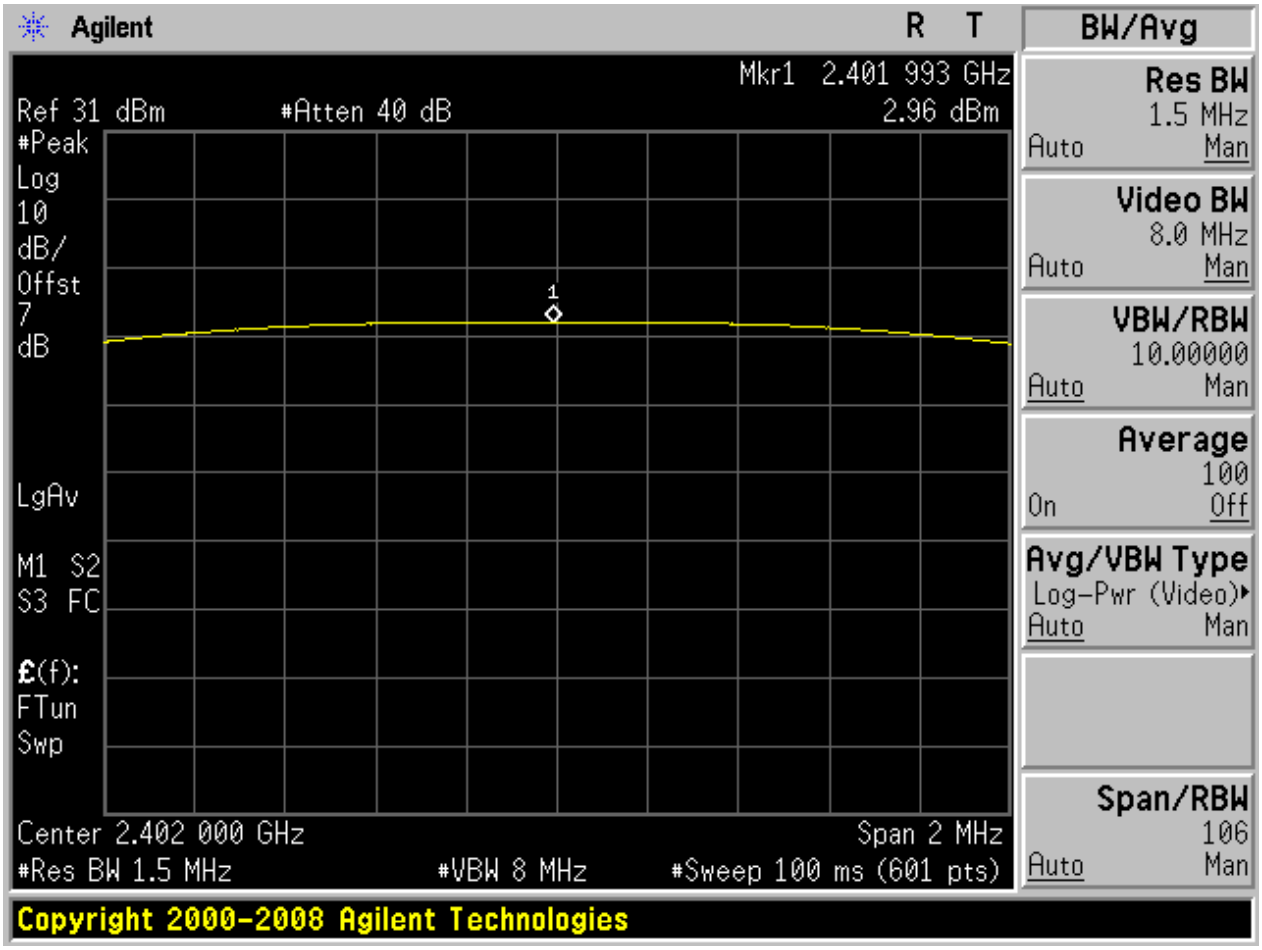
Appendix B: Maximum Peak Conducted Output Power

1 Result Table

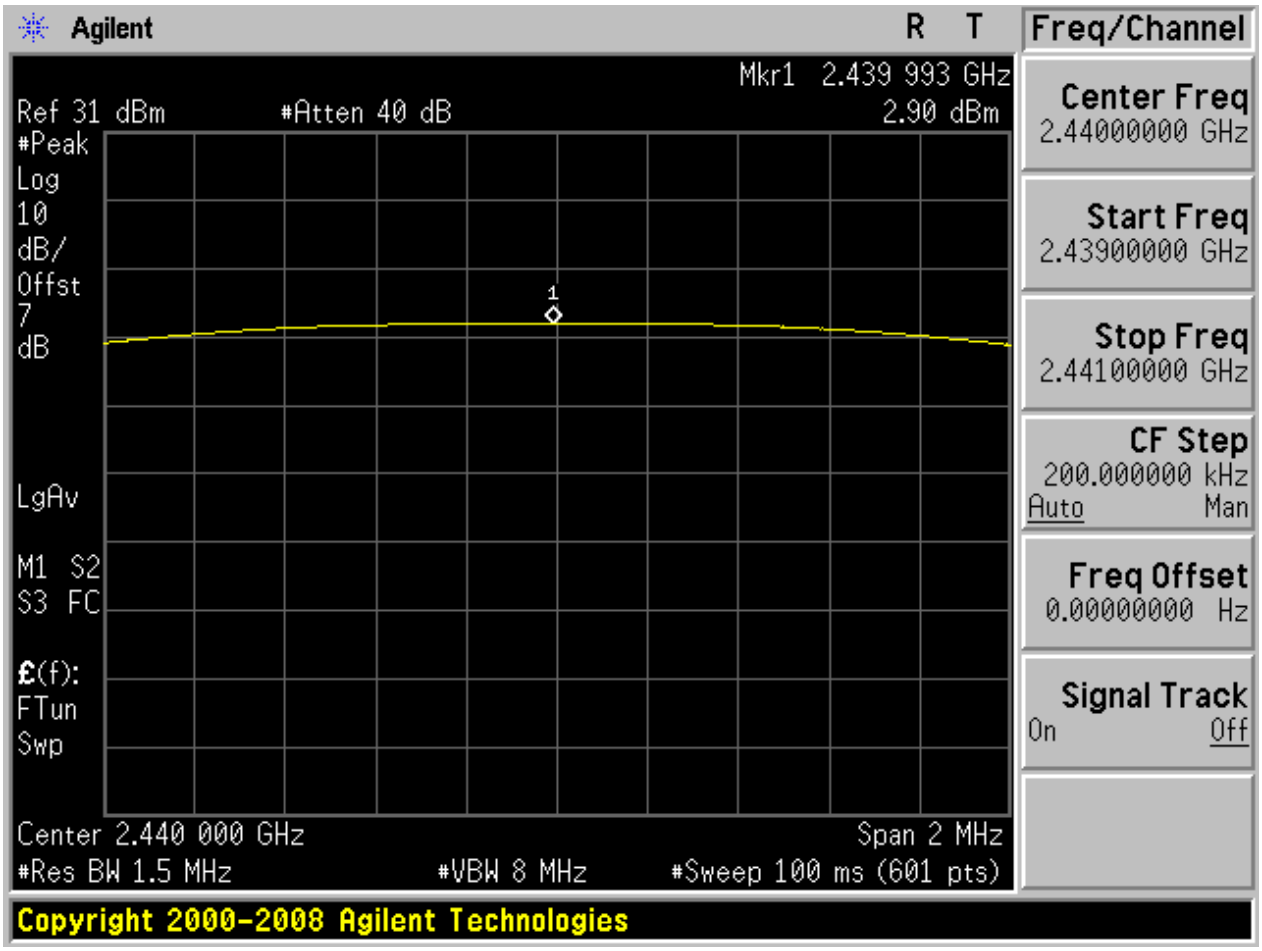
EUT Conf.	Max. Peak Power [dBm]	Verdict
TM1_DH5_Ch0	2.96	Pass
TM1_DH5_Ch19	2.90	Pass
TM1_DH5_Ch39	2.76	Pass

2 Test Plot

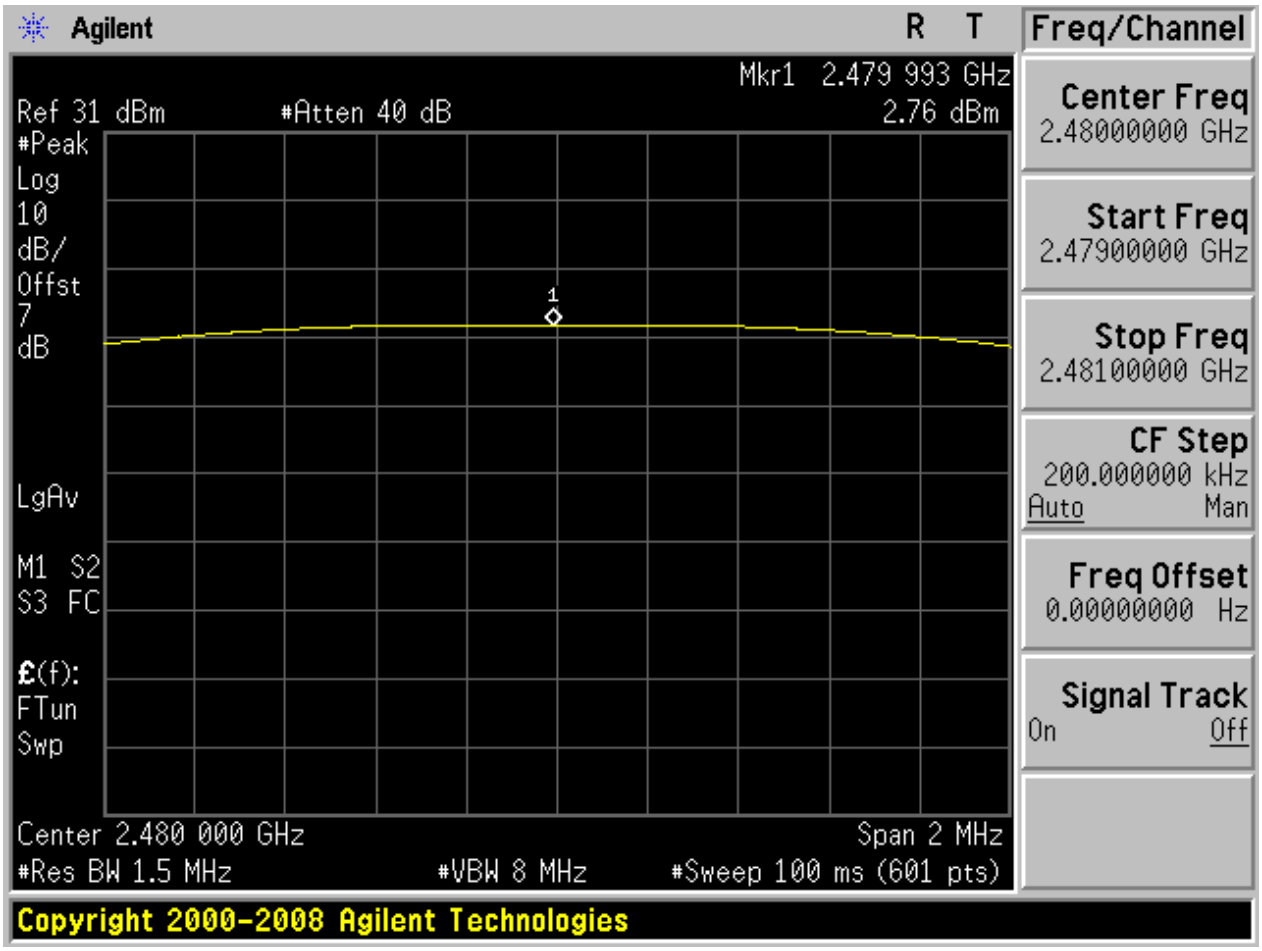
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



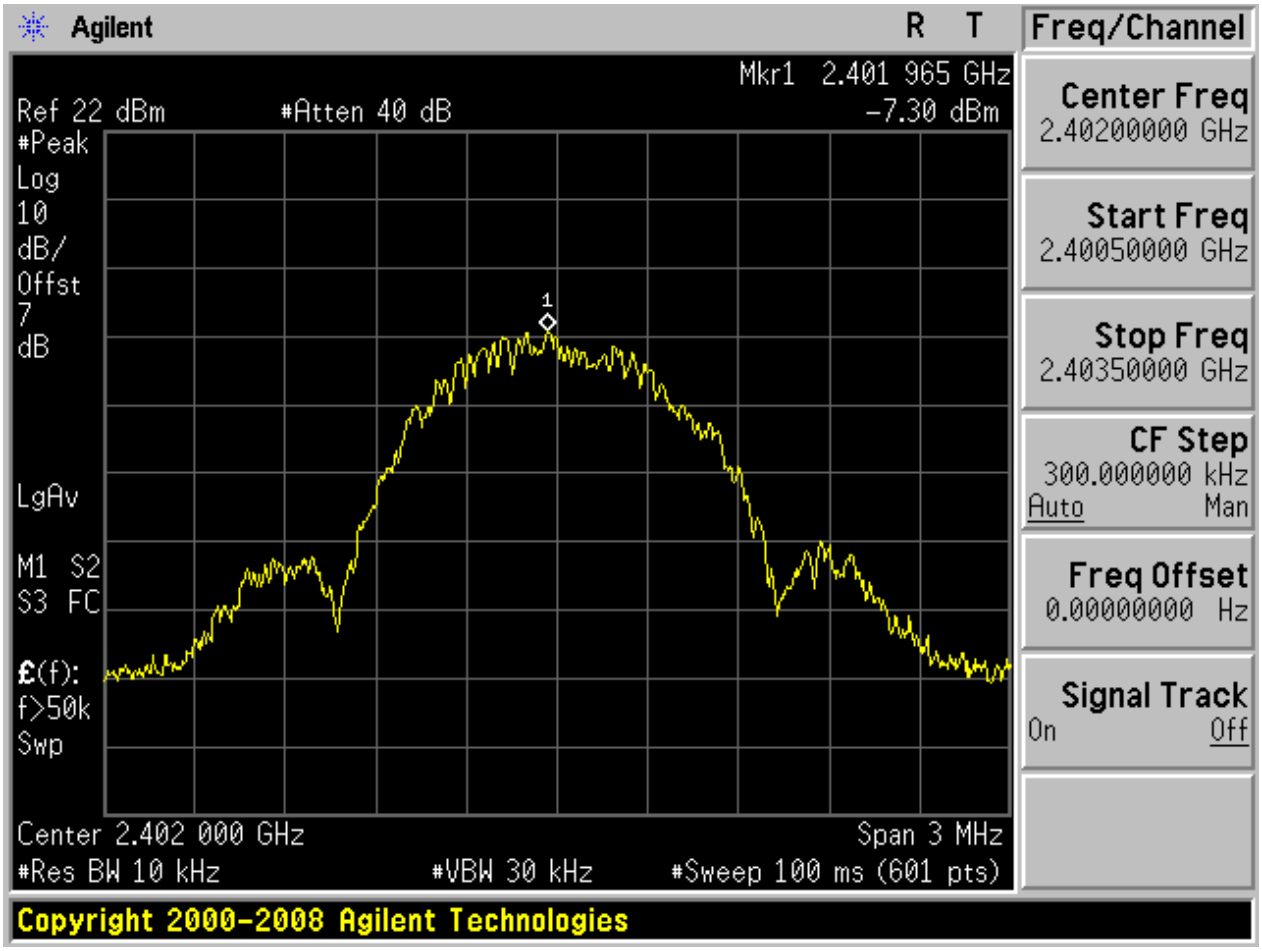
Appendix C: Maximum Power Spectral Density Level

1 Result Table

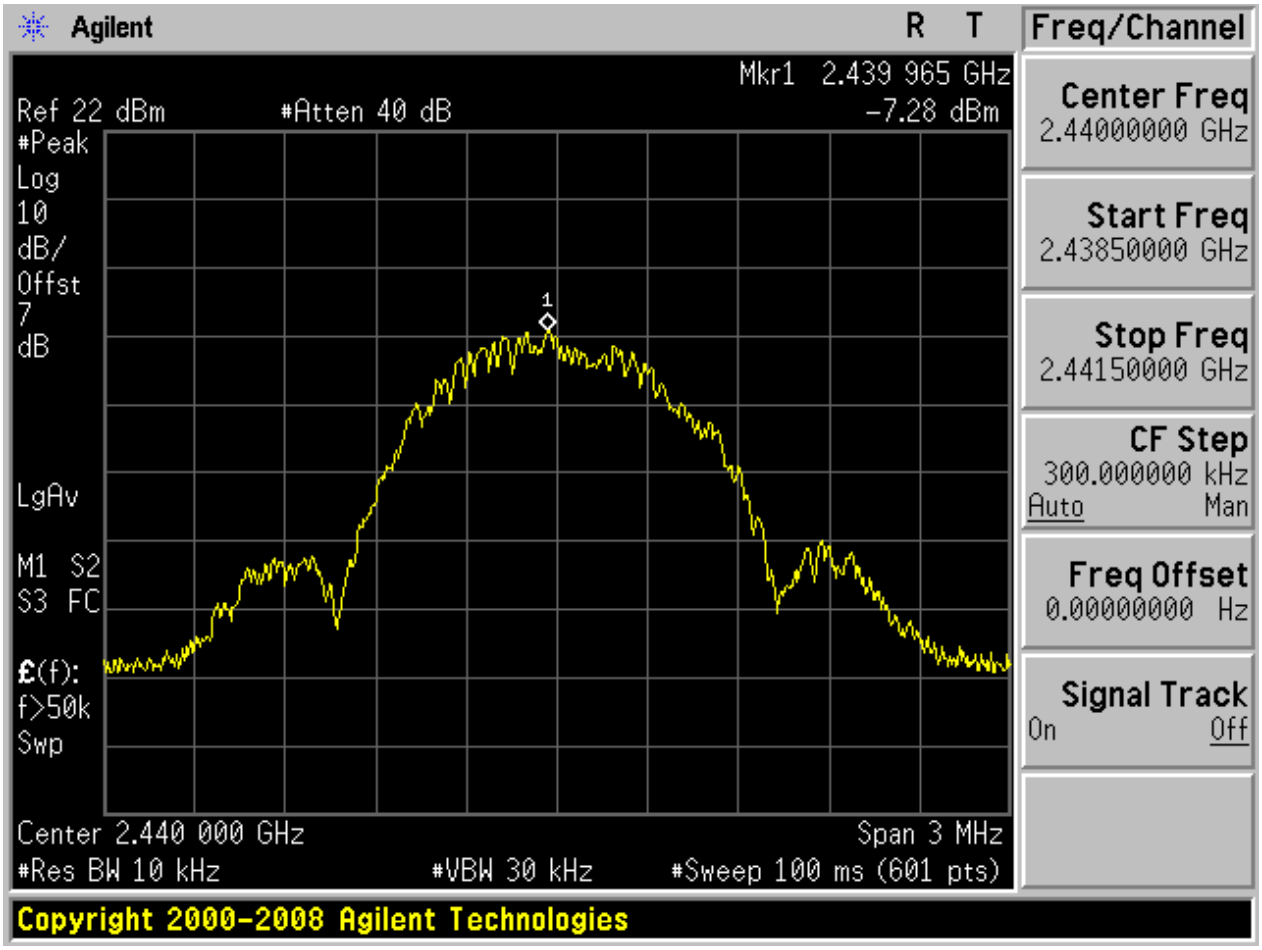
EUT Conf.	Max. Power Spectral Density Level [dBm]	Verdict
TM1_DH5_Ch0	-7.30	Pass
TM1_DH5_Ch19	-7.28	Pass
TM1_DH5_Ch39	-7.58	Pass

2 Test Plot

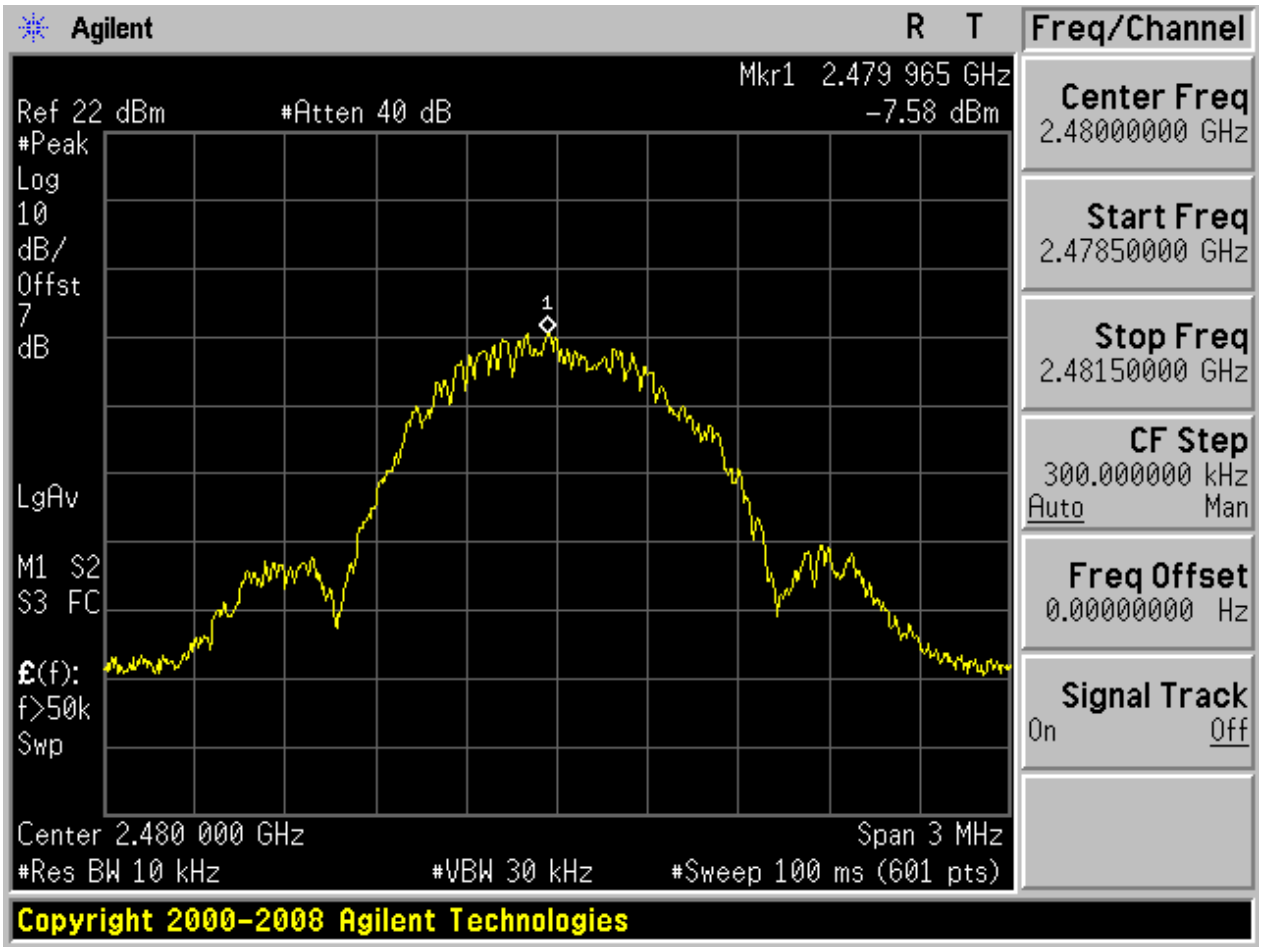
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



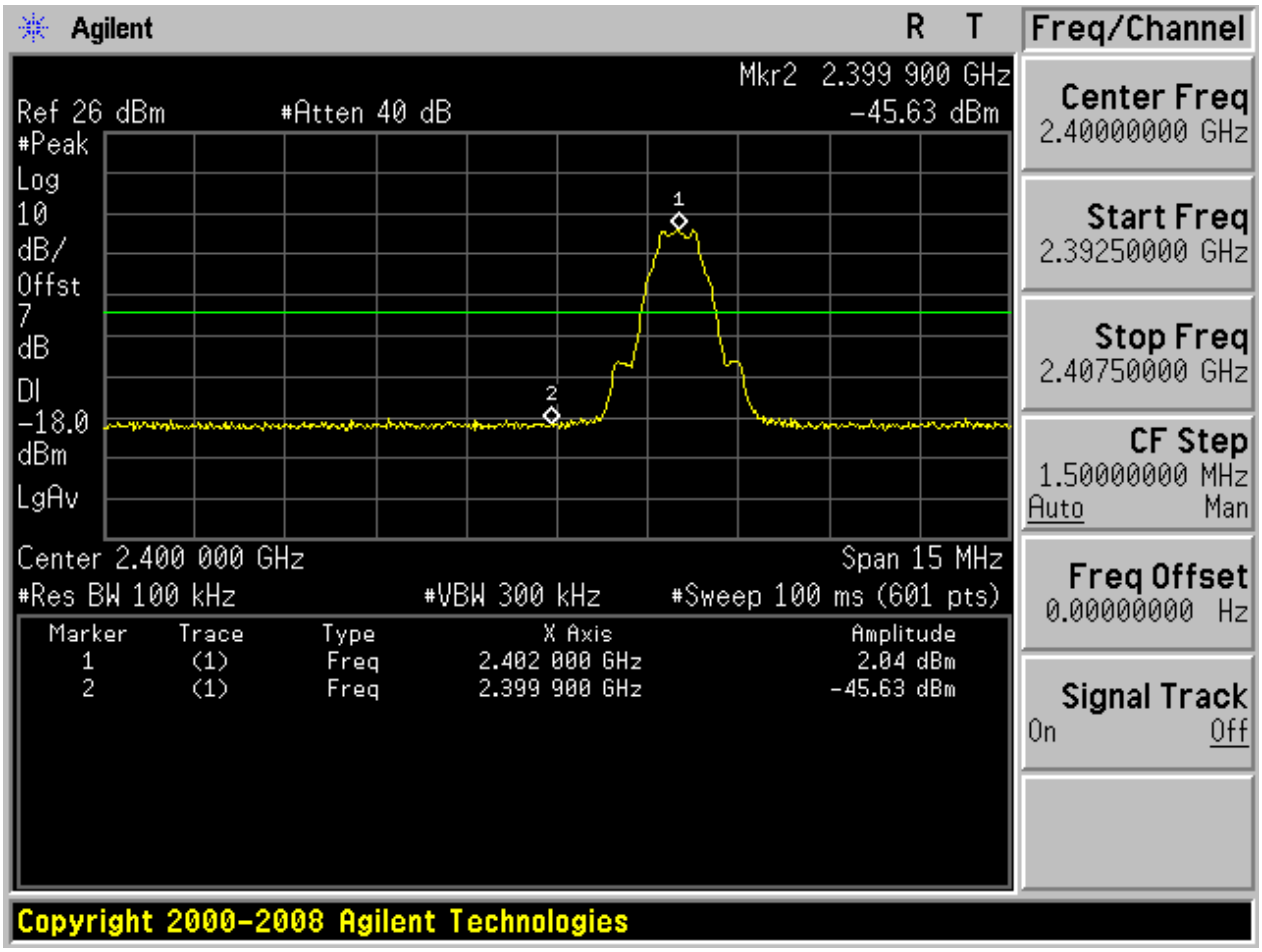
Appendix D: Band edge spurious emission

3 Result Table

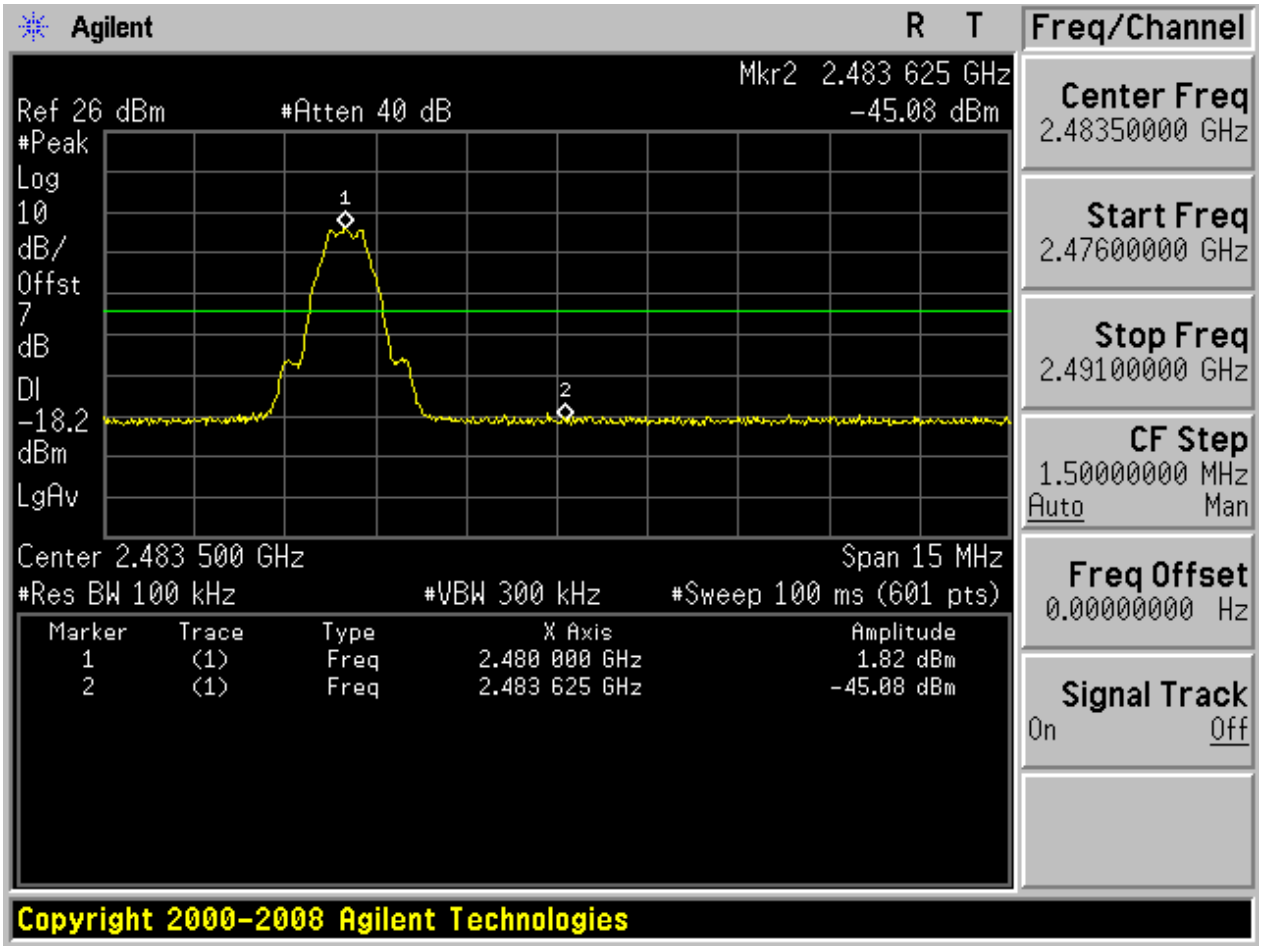
EUT Conf.	Channel No.	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max. Spurious Level [dBm]	Limit [dBm]	Result
TM1_DH5_Ch0	0	2402	2.04	Off	-45.63	-17.96	Pass
TM1_DH5_Ch39	39	2480	1.82	Off	-45.08	-18.18	Pass

2 Test Plot

2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch39



Appendix E: Unwanted Emissions into Non-Restricted Frequency Bands

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” referrers 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 x lg(100 [kHz]/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.

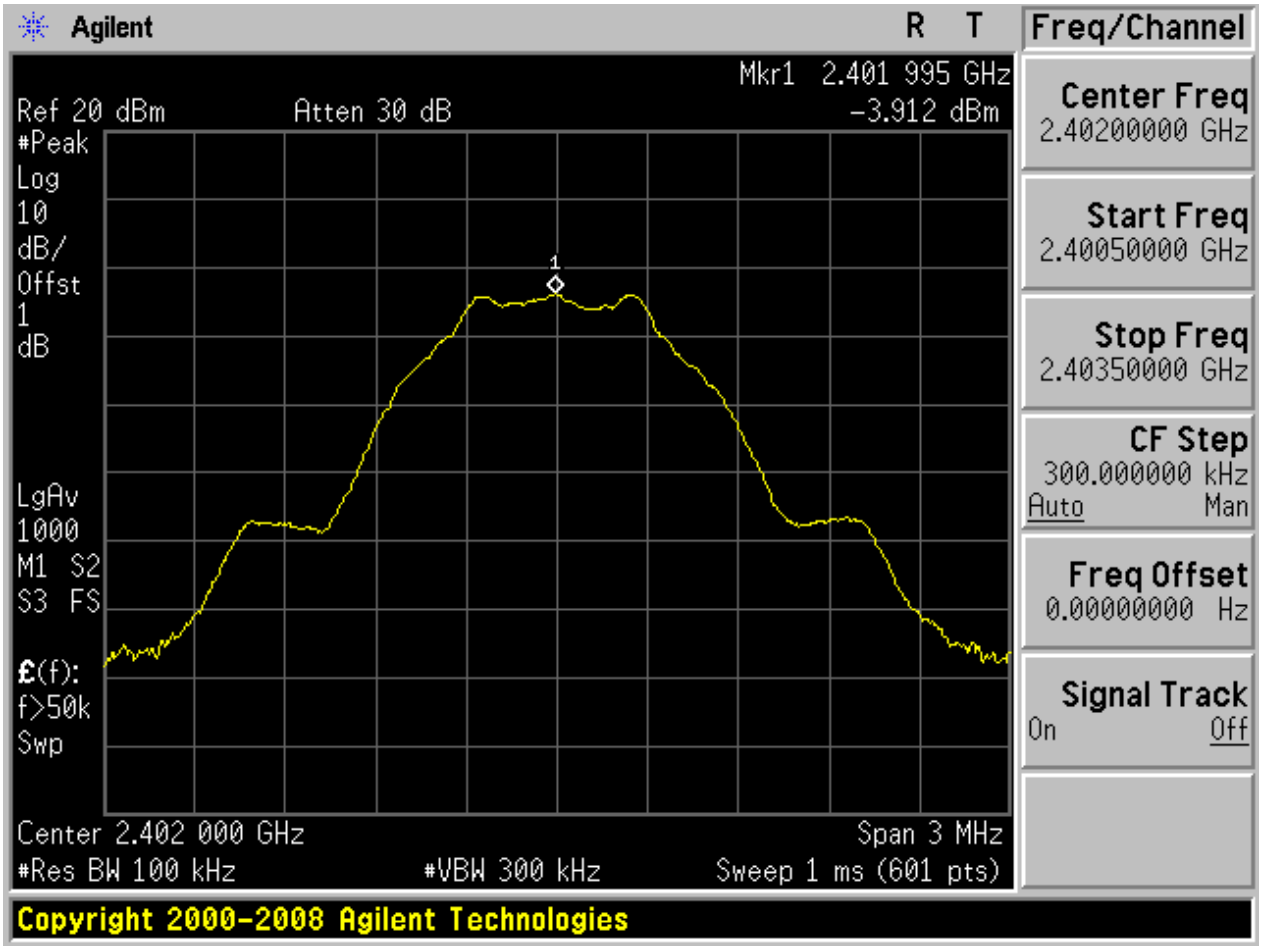
In the result table, the “< Limit” denotes that “The Puw [dBm] is less than Pref [dBm] - 20 [dB], see test plots for detailed”.

EUT Conf.	Pref [dBm/100 kHz]	Puw [dBm/100 kHz]	Verdict
TM1_DH5_Ch0	-3.912	< Limit	Pass
TM1_DH5_Ch39	-3.937	< Limit	Pass
TM1_DH5_Ch78	-4.141	< Limit	Pass

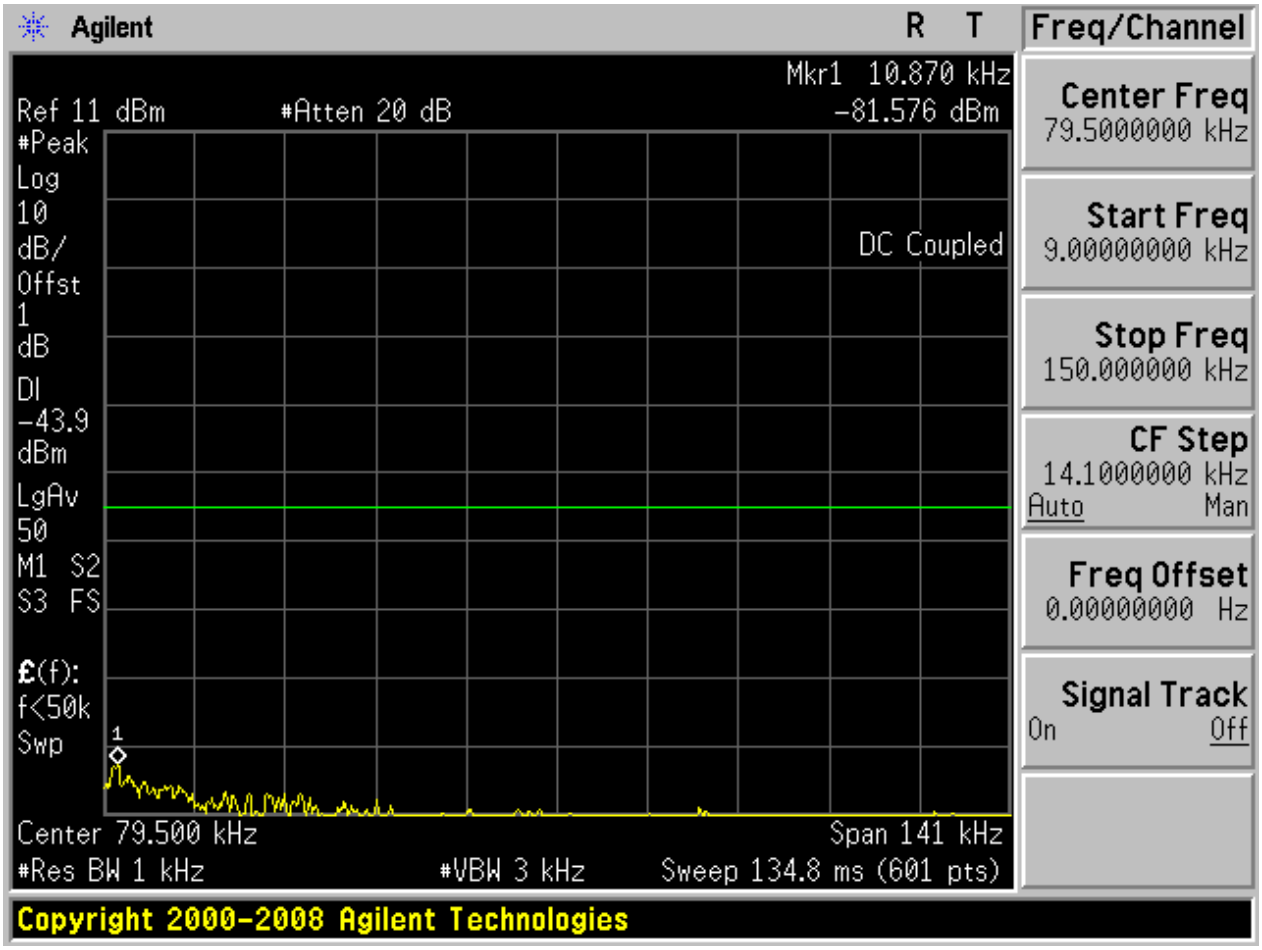
2 Test Plot

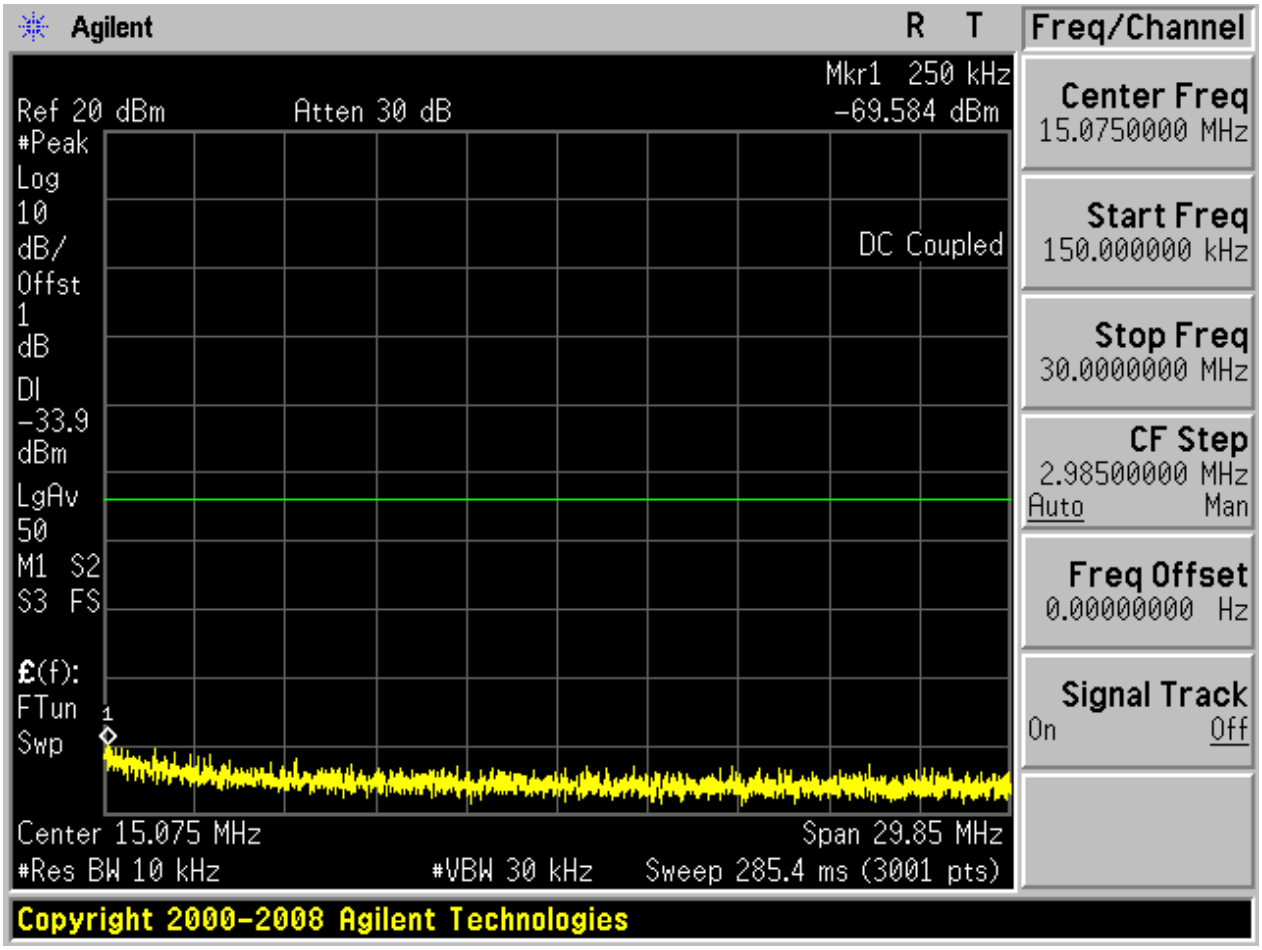
2.1 TM1_DH5_Ch0

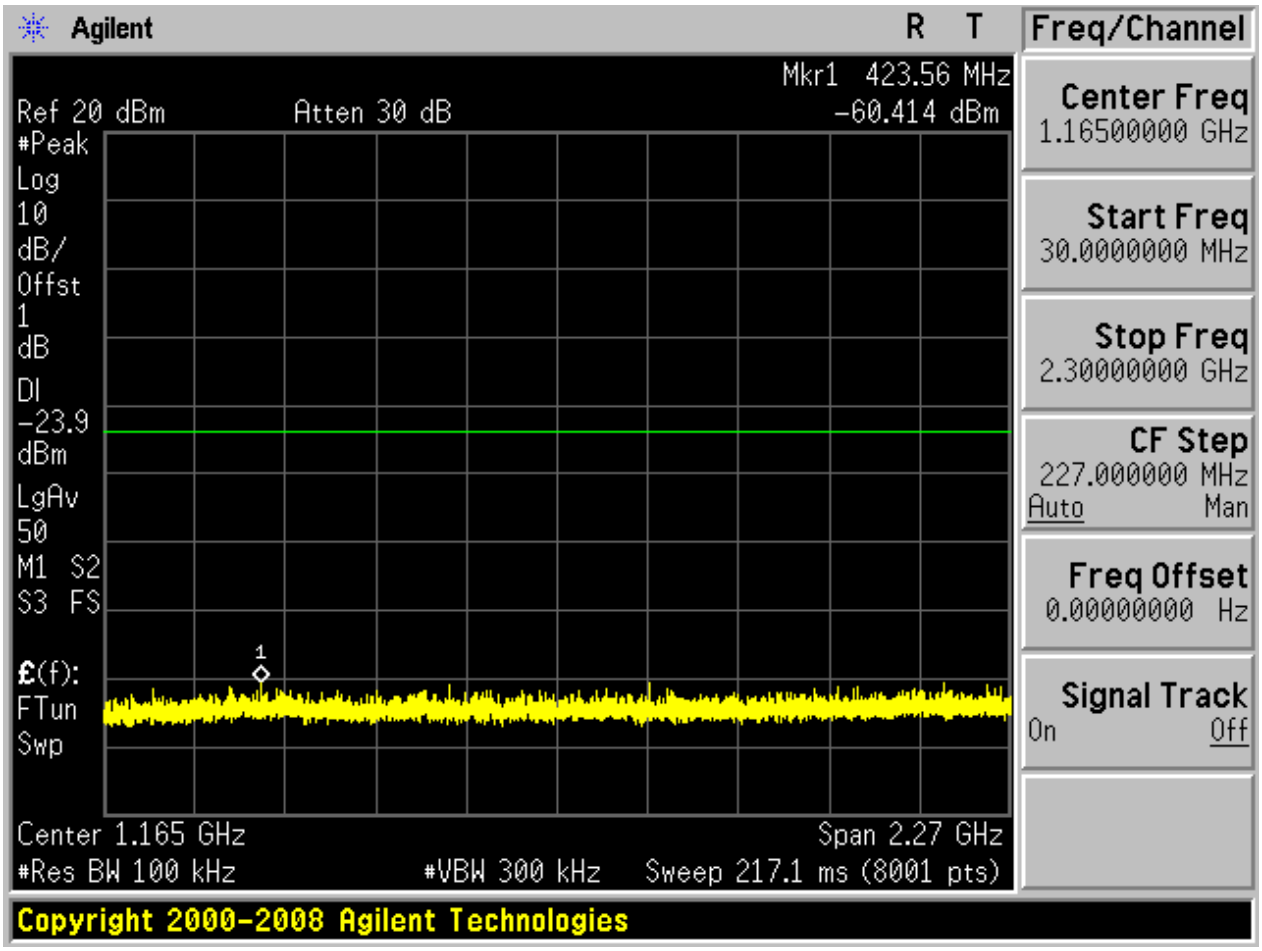
2.1.1 Pref

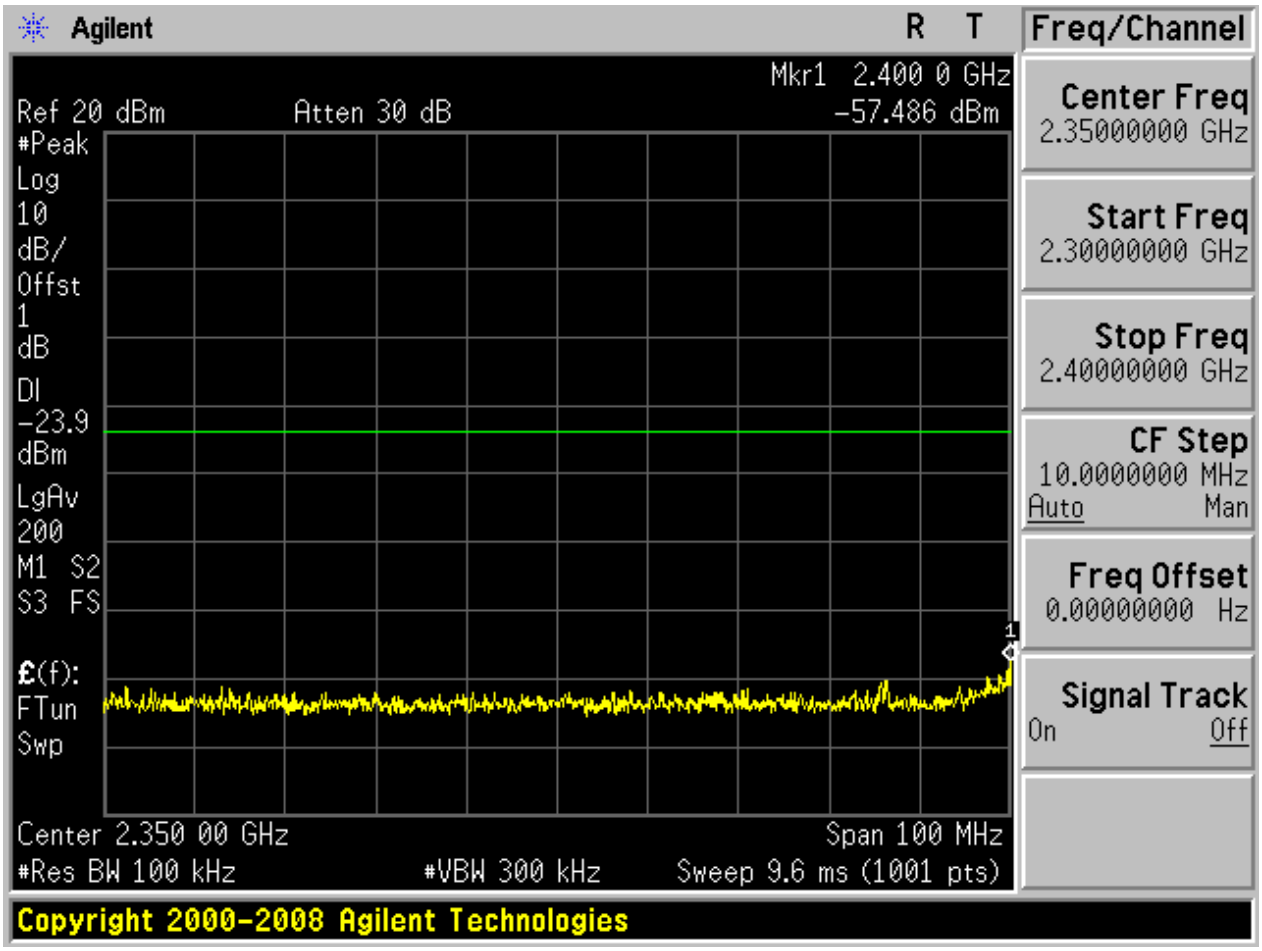


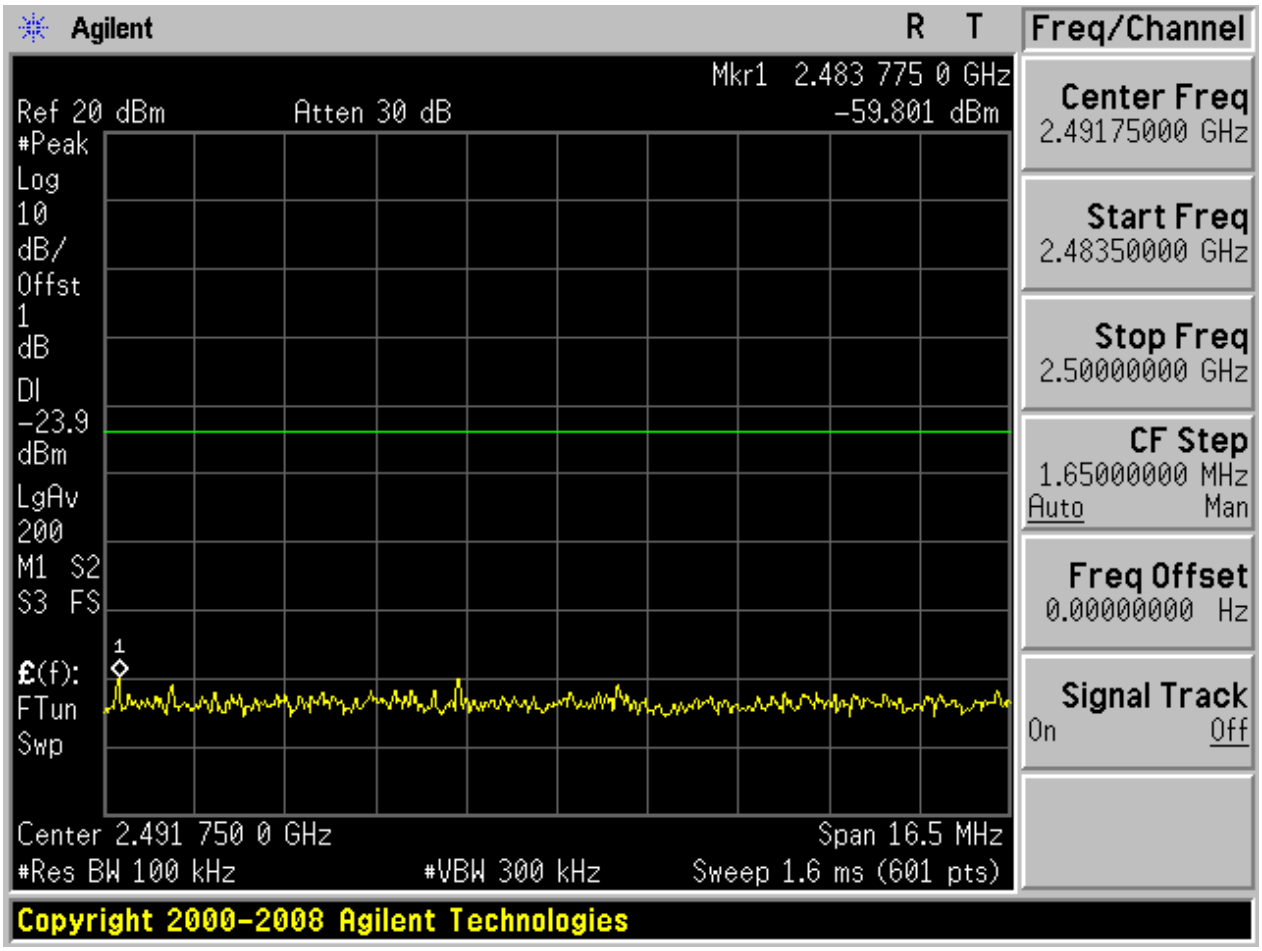
2.1.2 Puw

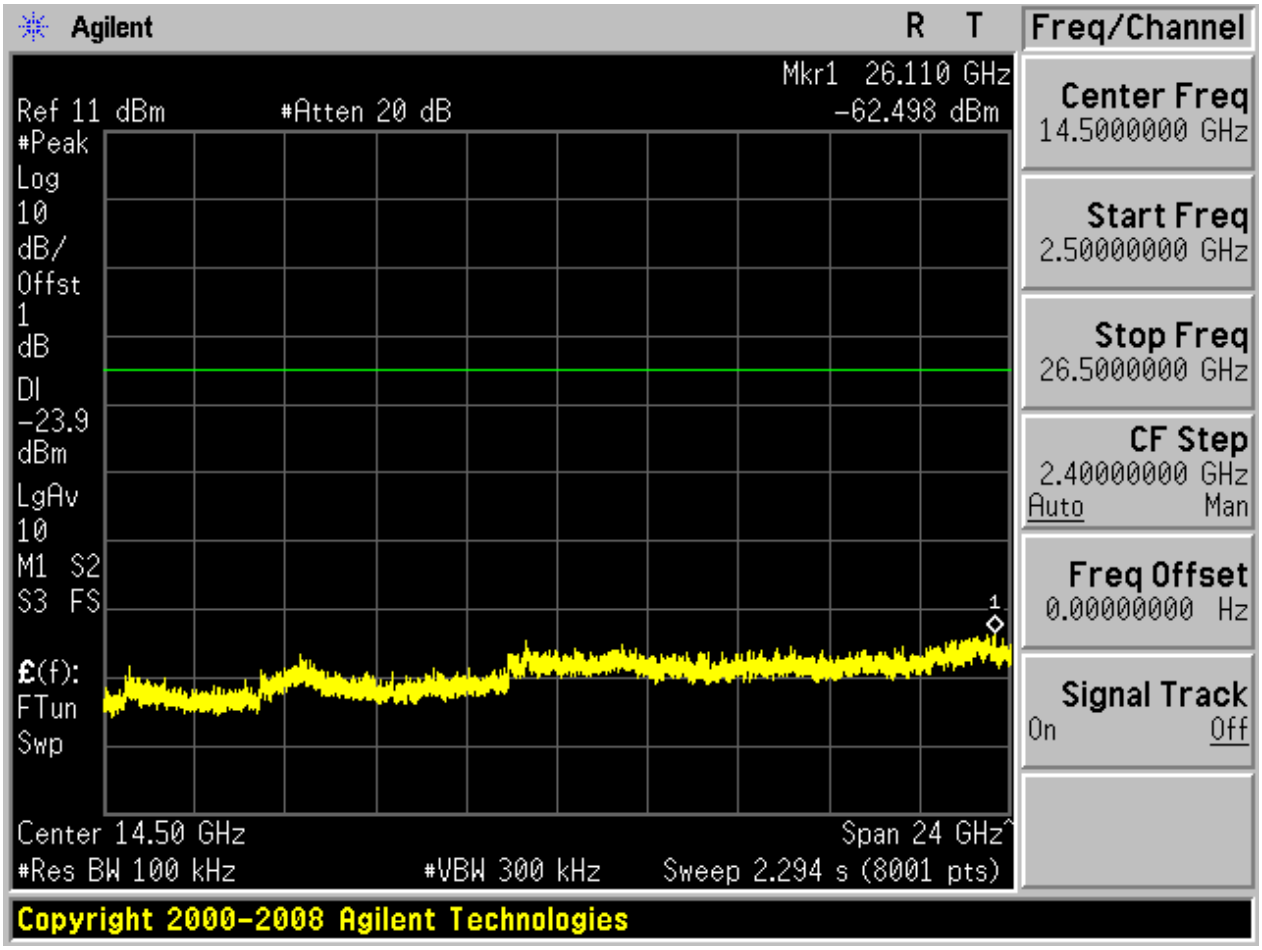






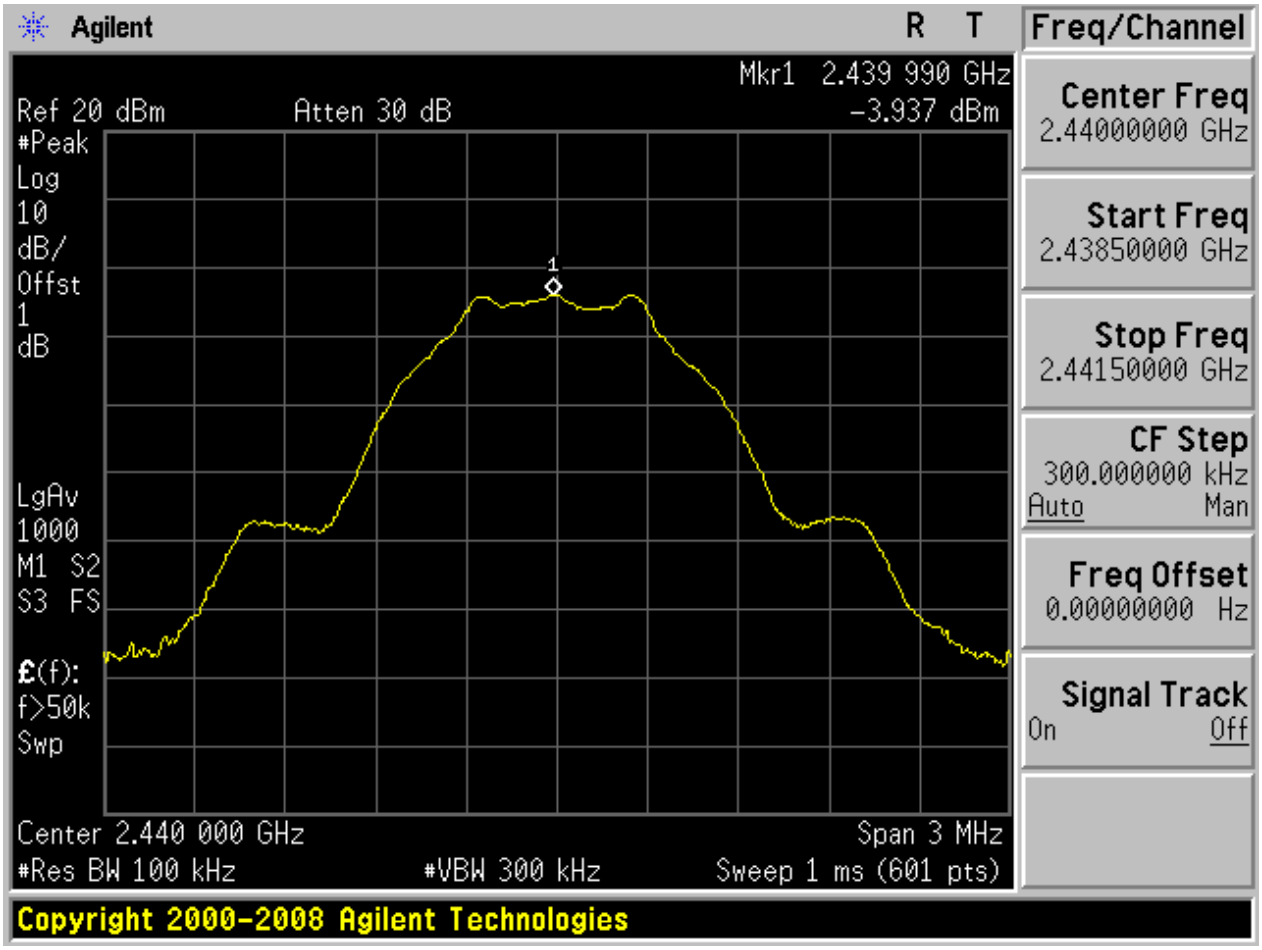




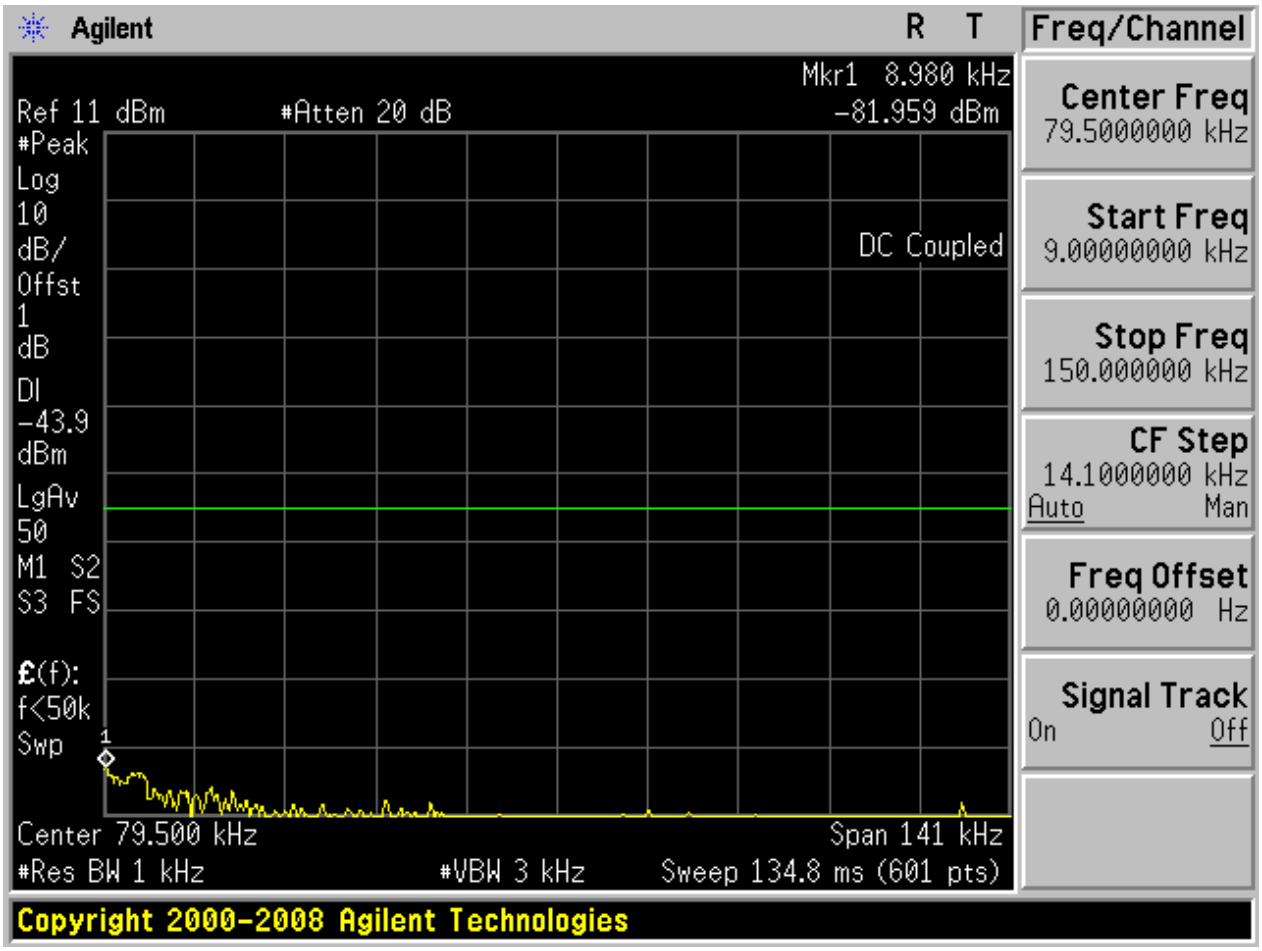


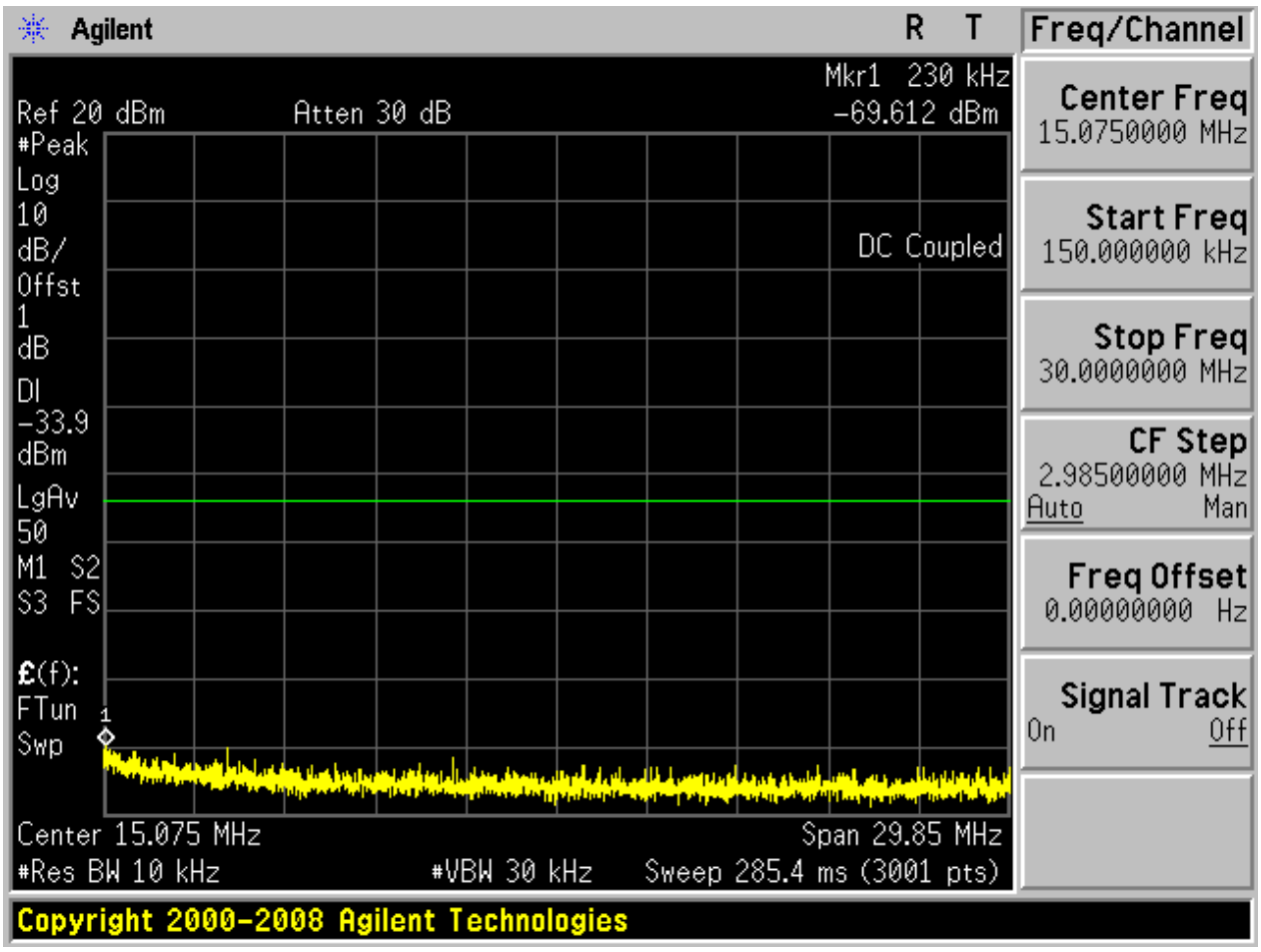
2.2 TM1_DH5_Ch19

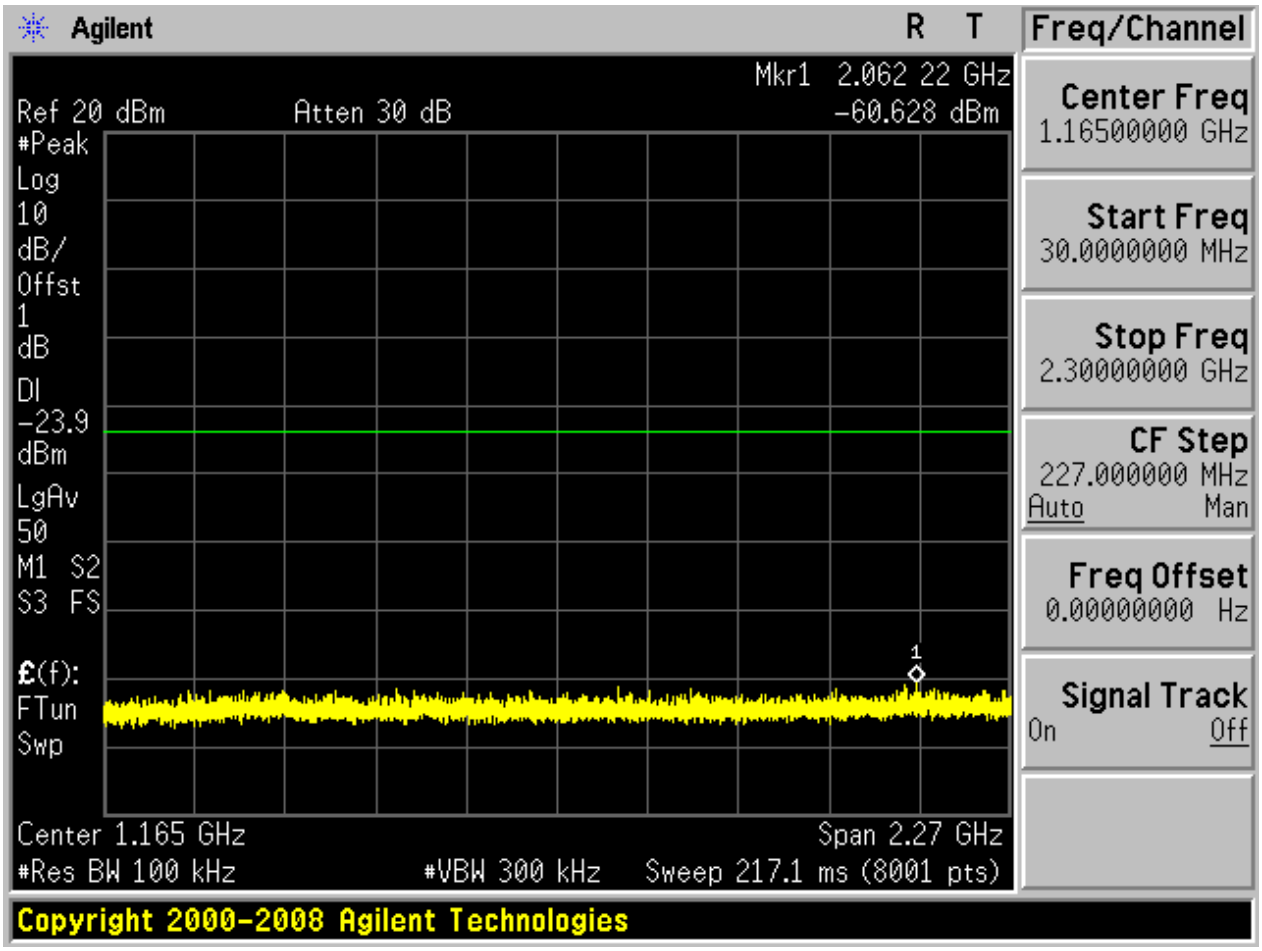
2.2.1 Pref

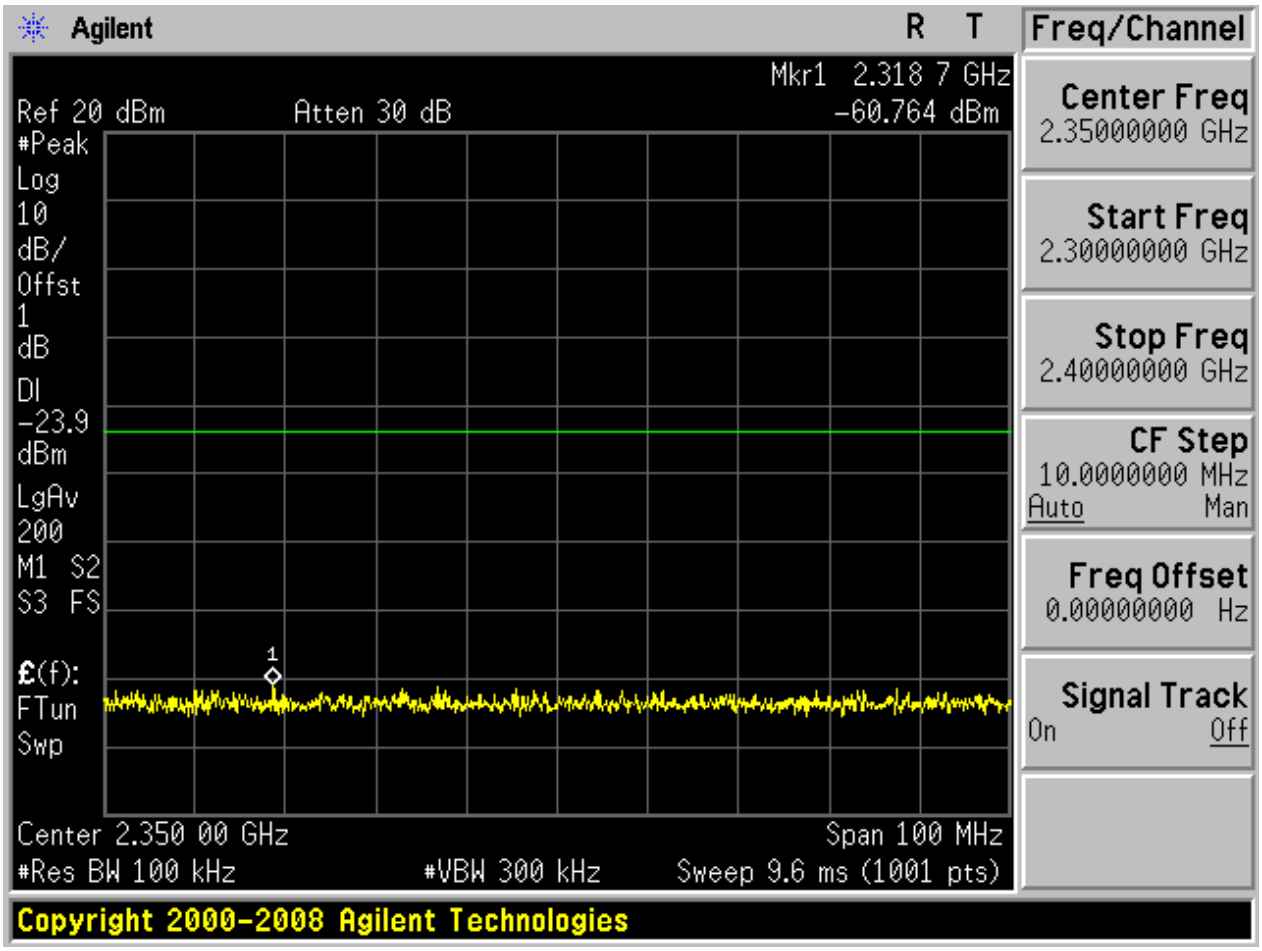


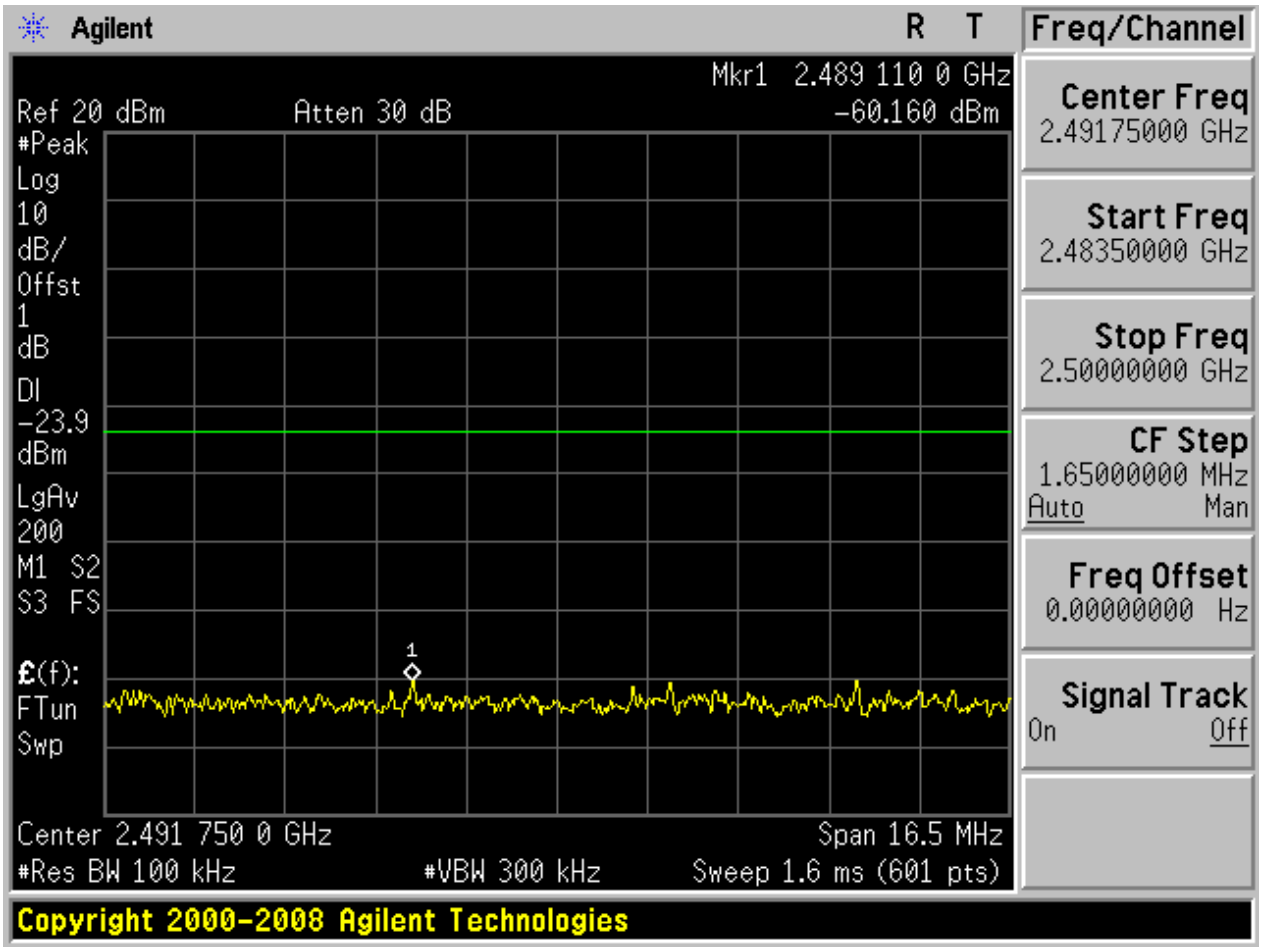
2.2.2 Puw

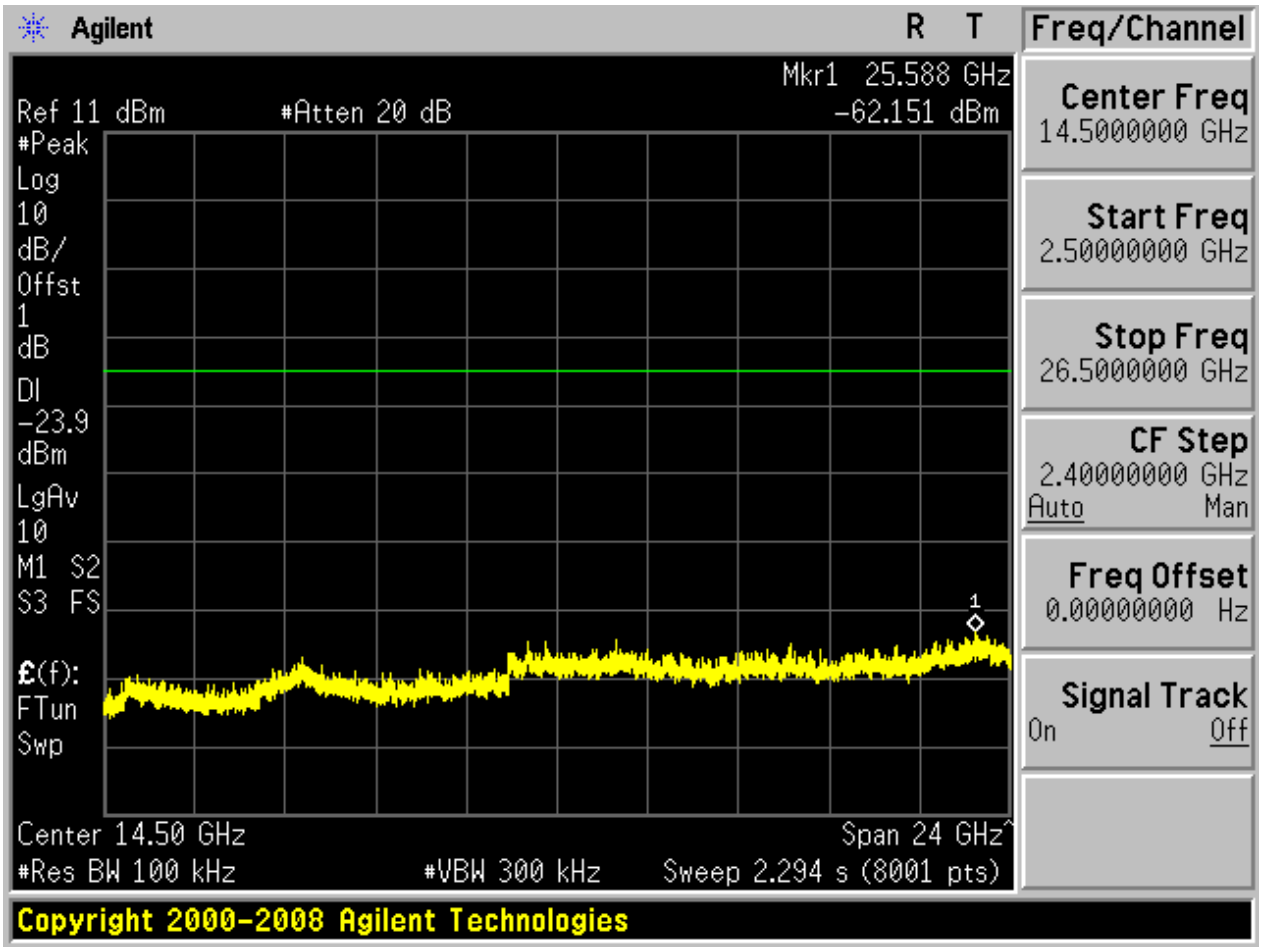






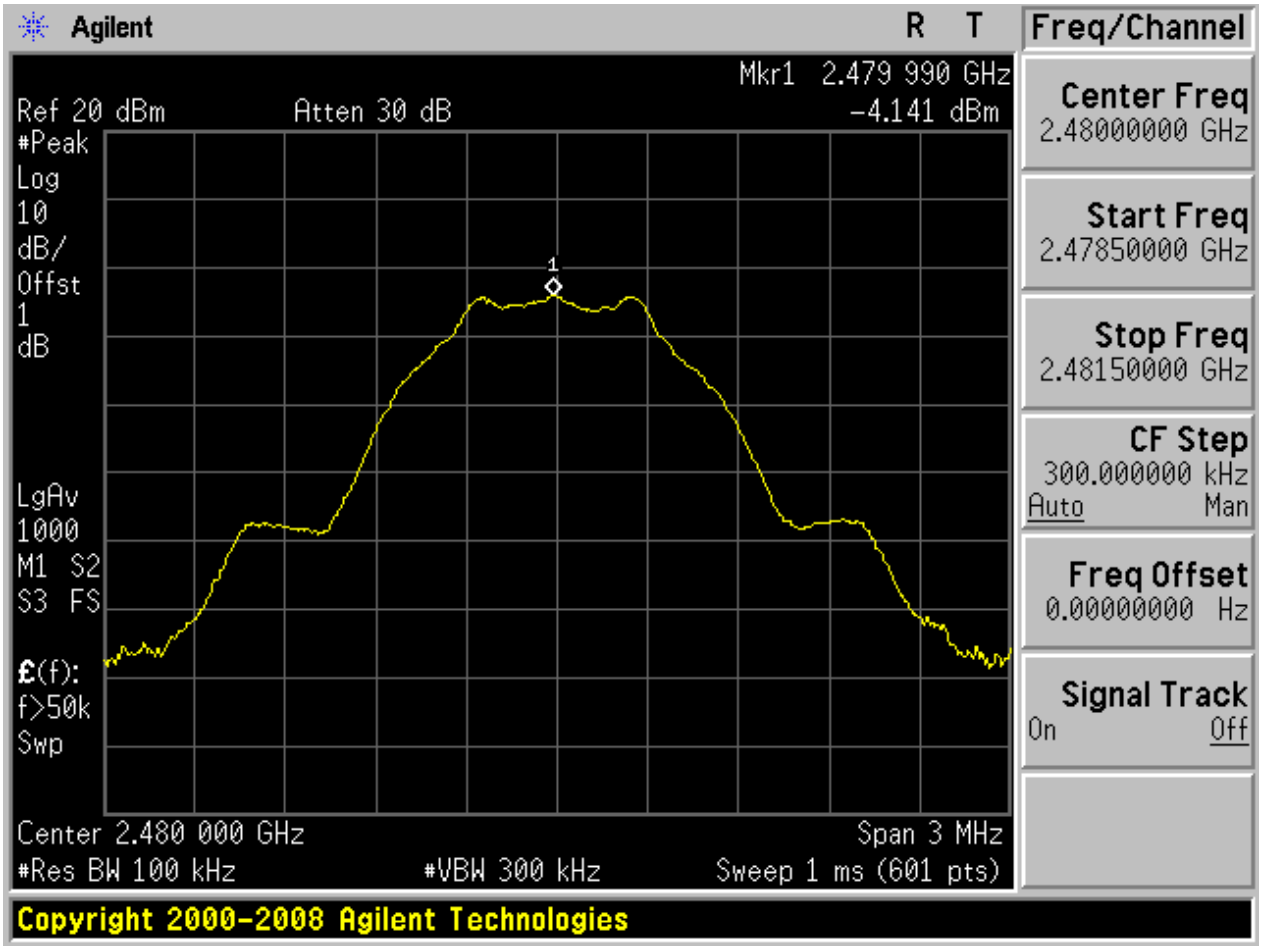




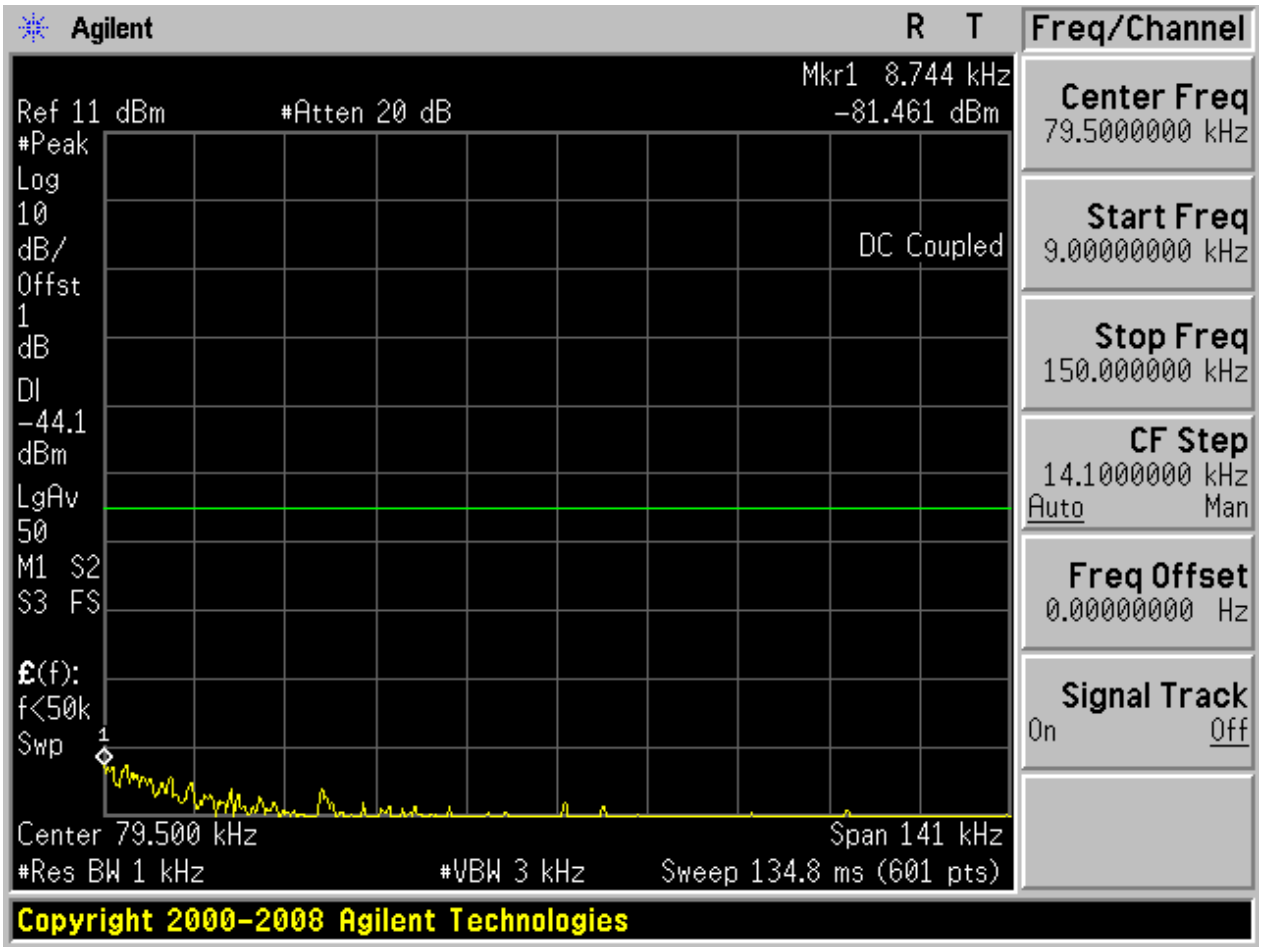


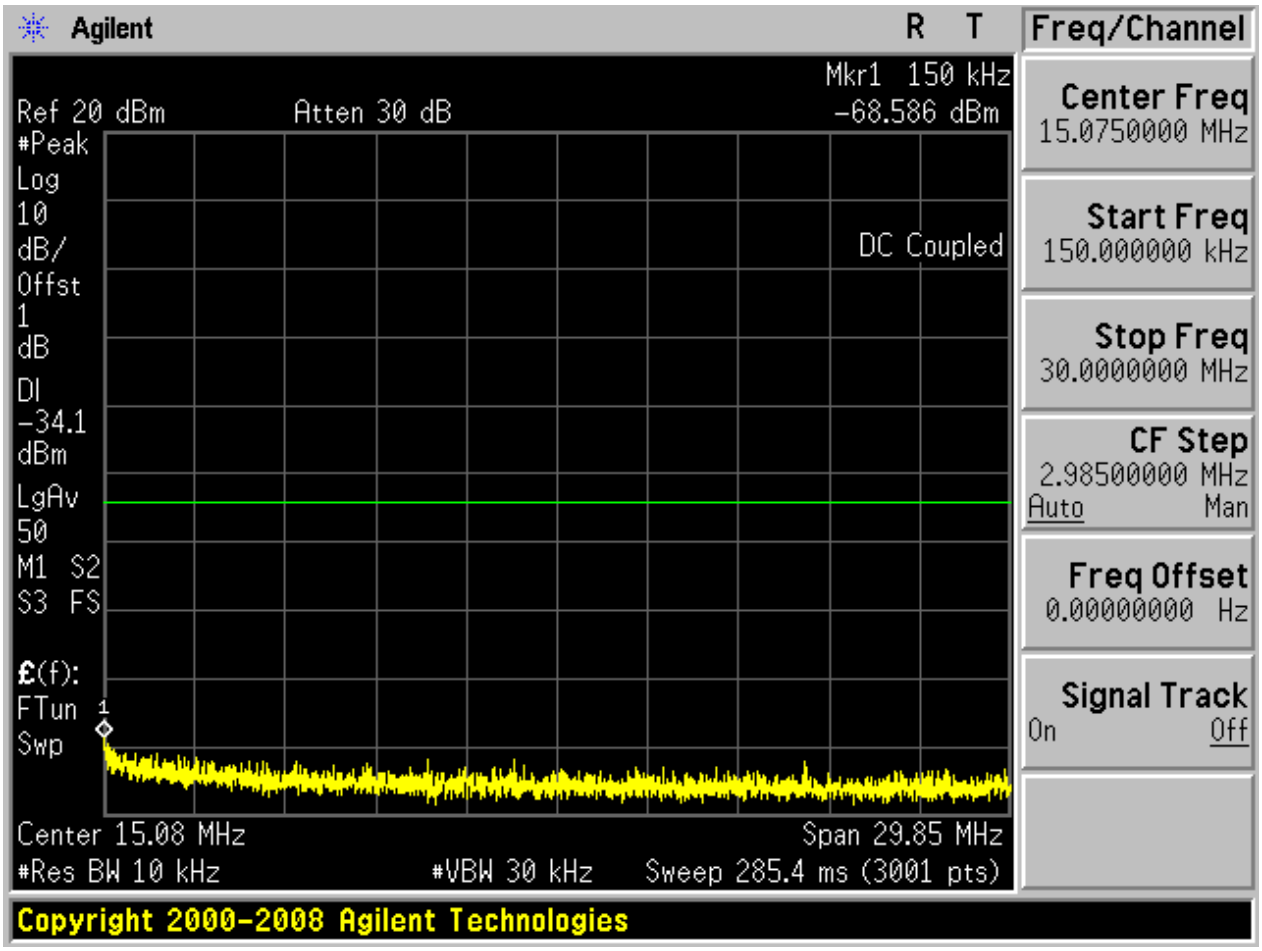
2.3 TM1_DH5_Ch39

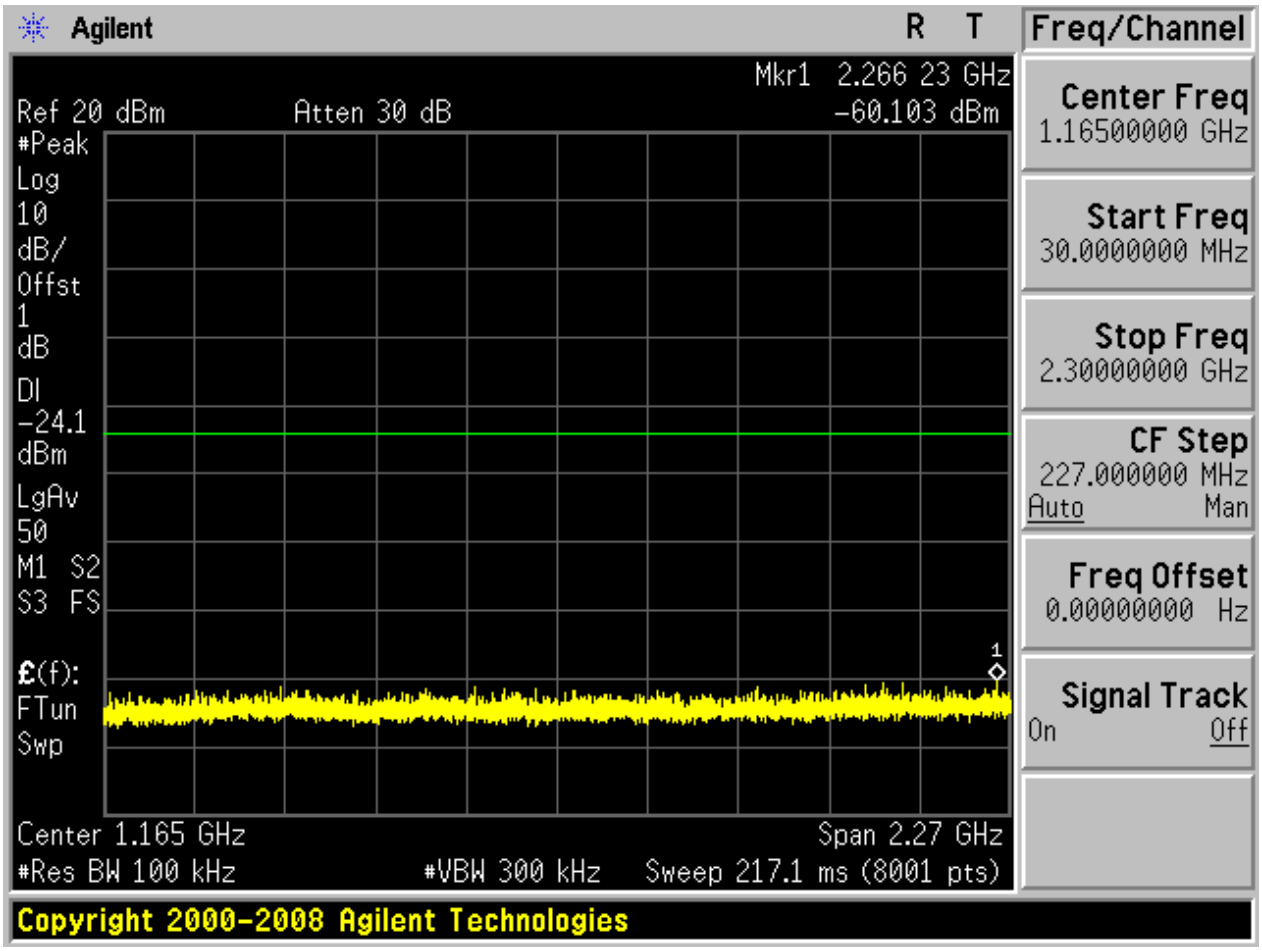
2.3.1 Pref

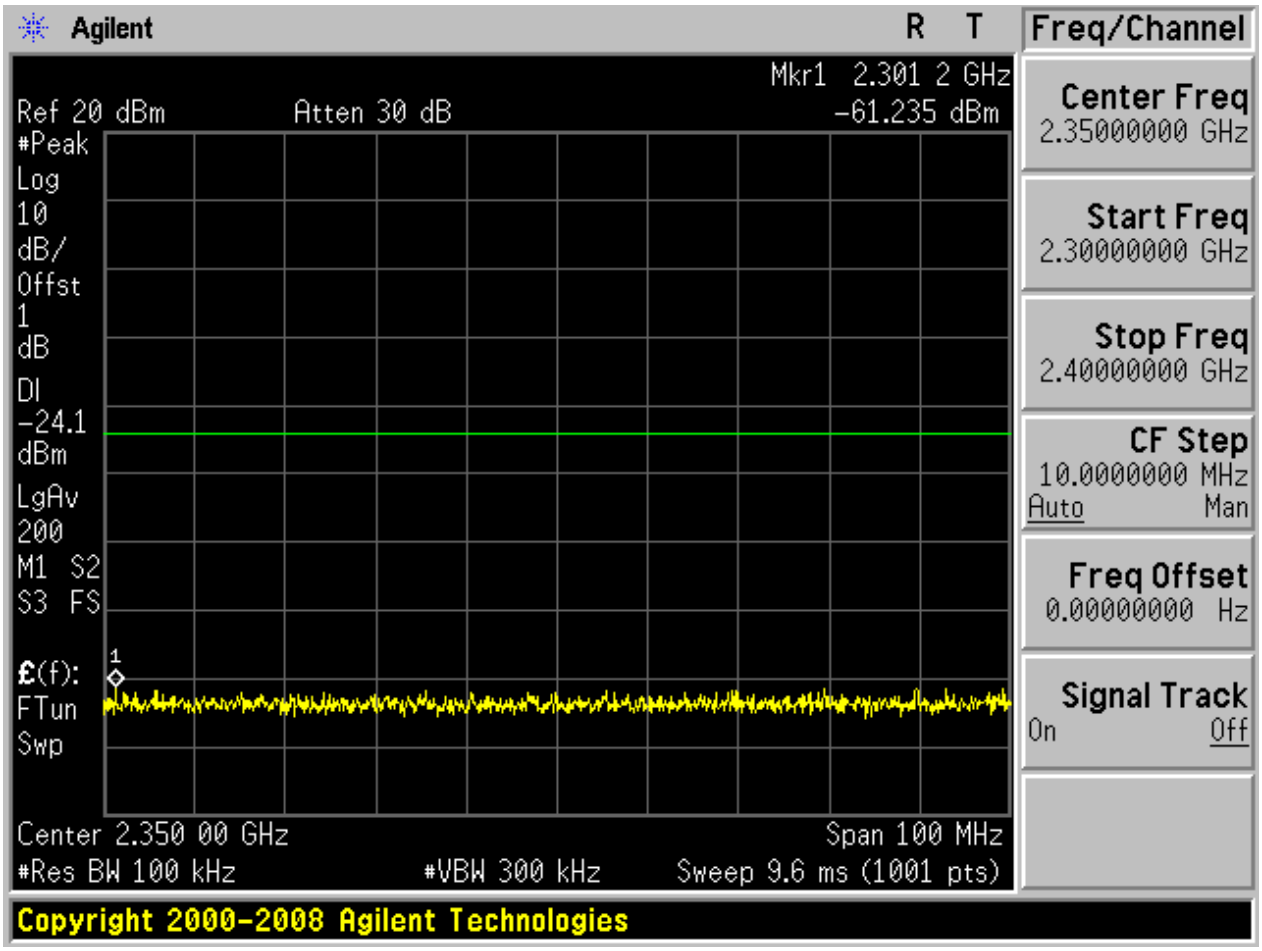


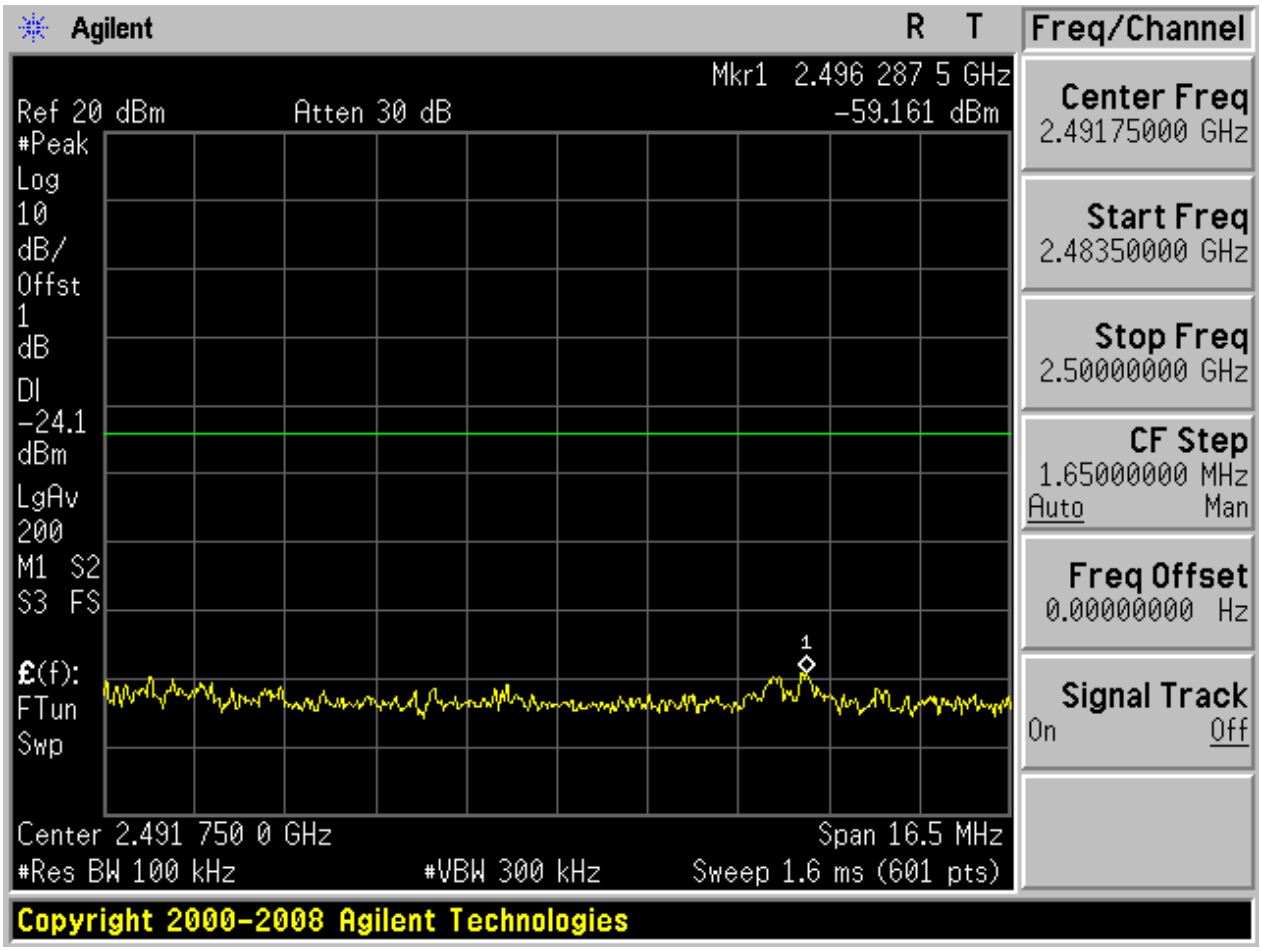
2.3.2 Puw

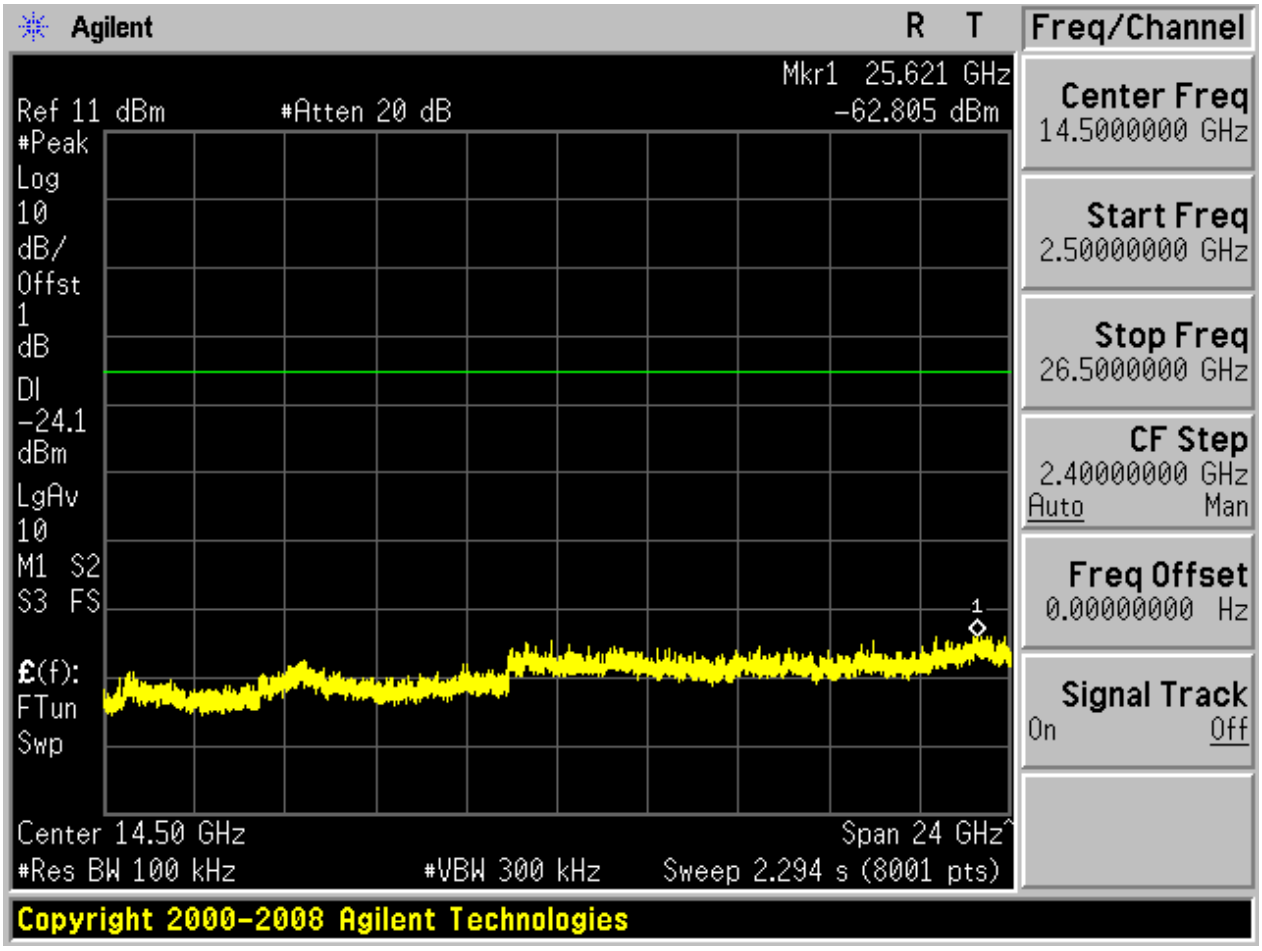










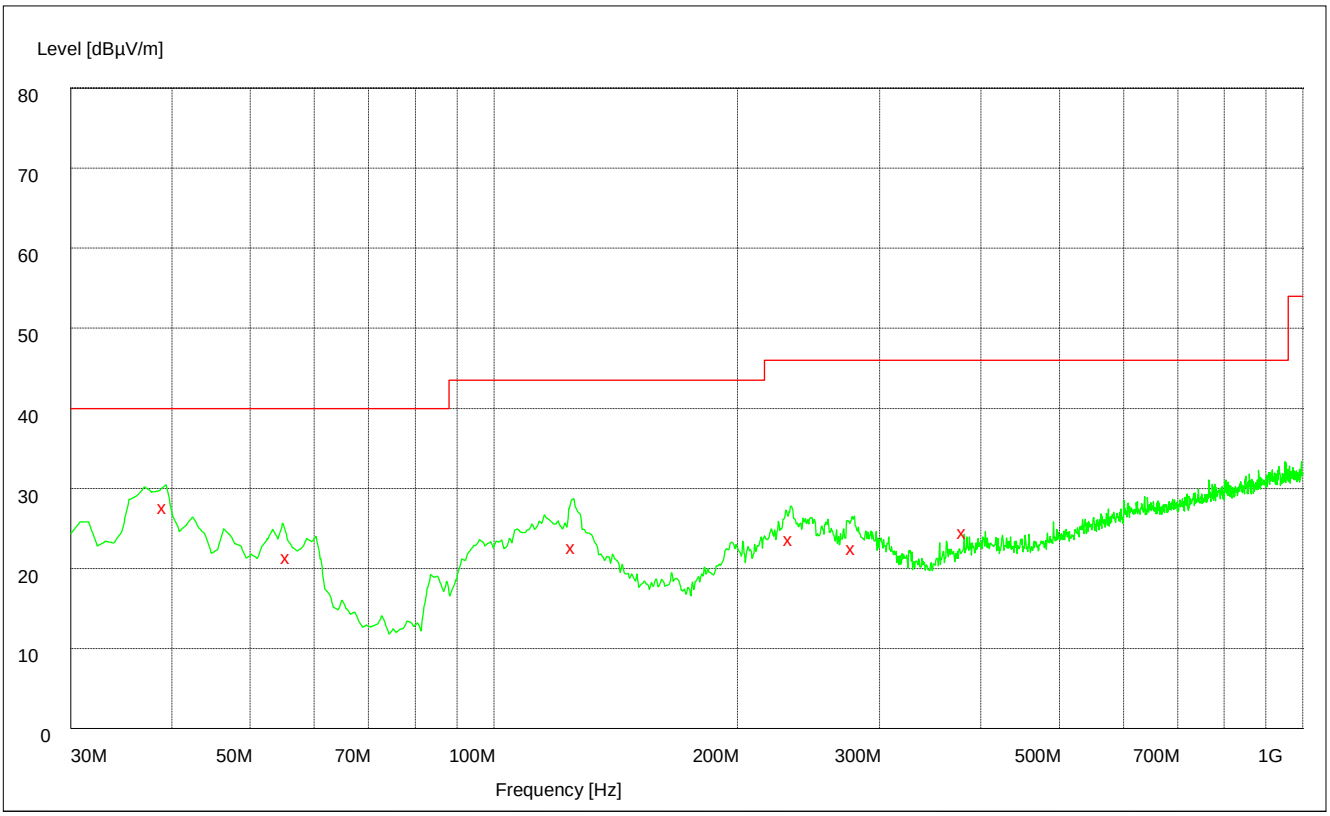


Appendix F: Radiated Emissions in the Restricted Bands

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.

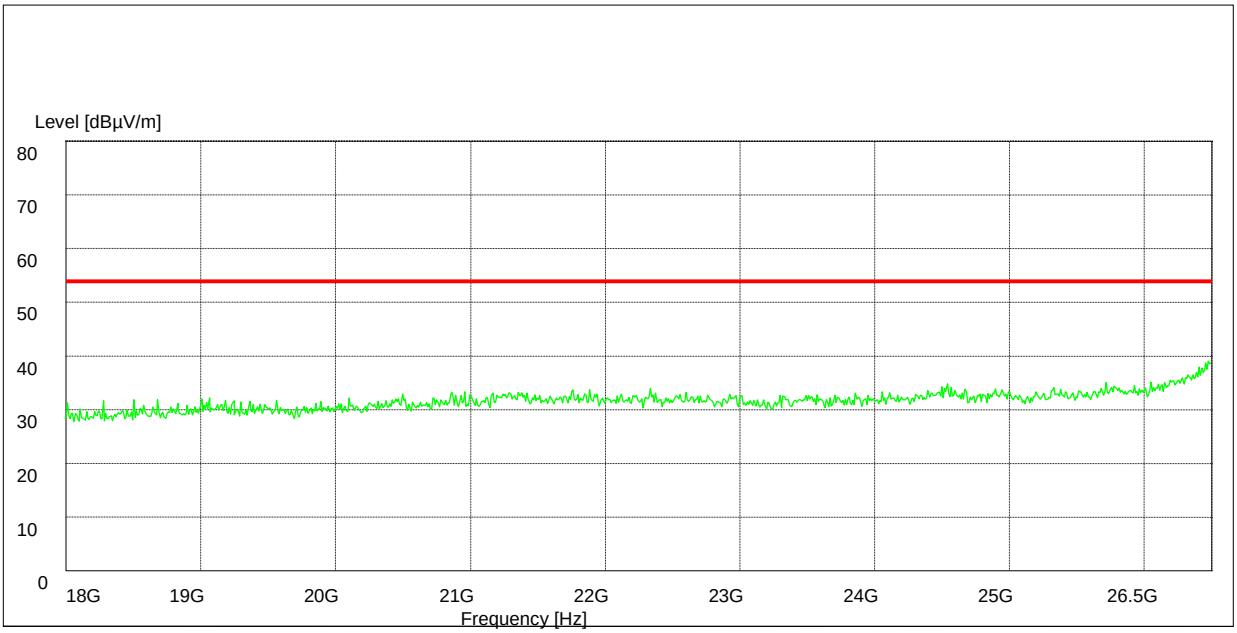
Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
39.240000	28.50	12.9	40.0	11.5	101.0	38.00	VERTICAL
55.680000	22.30	12.6	40.0	17.7	101.0	303.00	VERTICAL
125.700000	23.60	9.8	43.5	19.9	101.0	166.00	VERTICAL
232.980000	24.50	13.8	46.0	21.5	119.0	317.00	HORIZONTAL
278.340000	23.40	15.0	46.0	22.6	100.0	326.00	HORIZONTAL
381.900000	25.40	17.8	46.0	20.6	101.0	279.00	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"

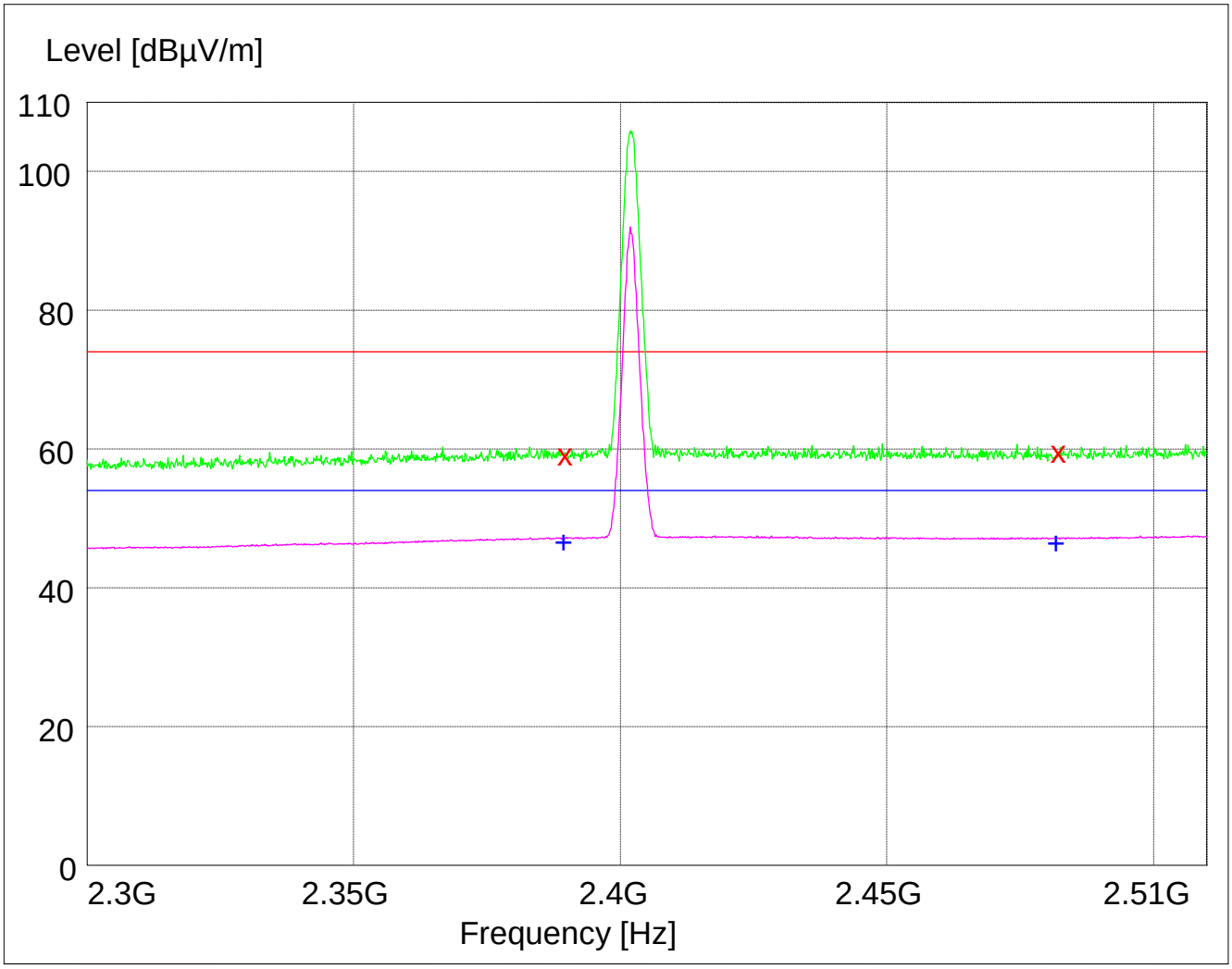
Note 1: The testing range of "2.3 GHz to 2.5 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBμV/m) and Average Limit (54 dBμV/m).

Note 3: The peak spike exceeds the limit line is EUT's operating frequency.

3 Test Mode:

3.1 Channel L



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

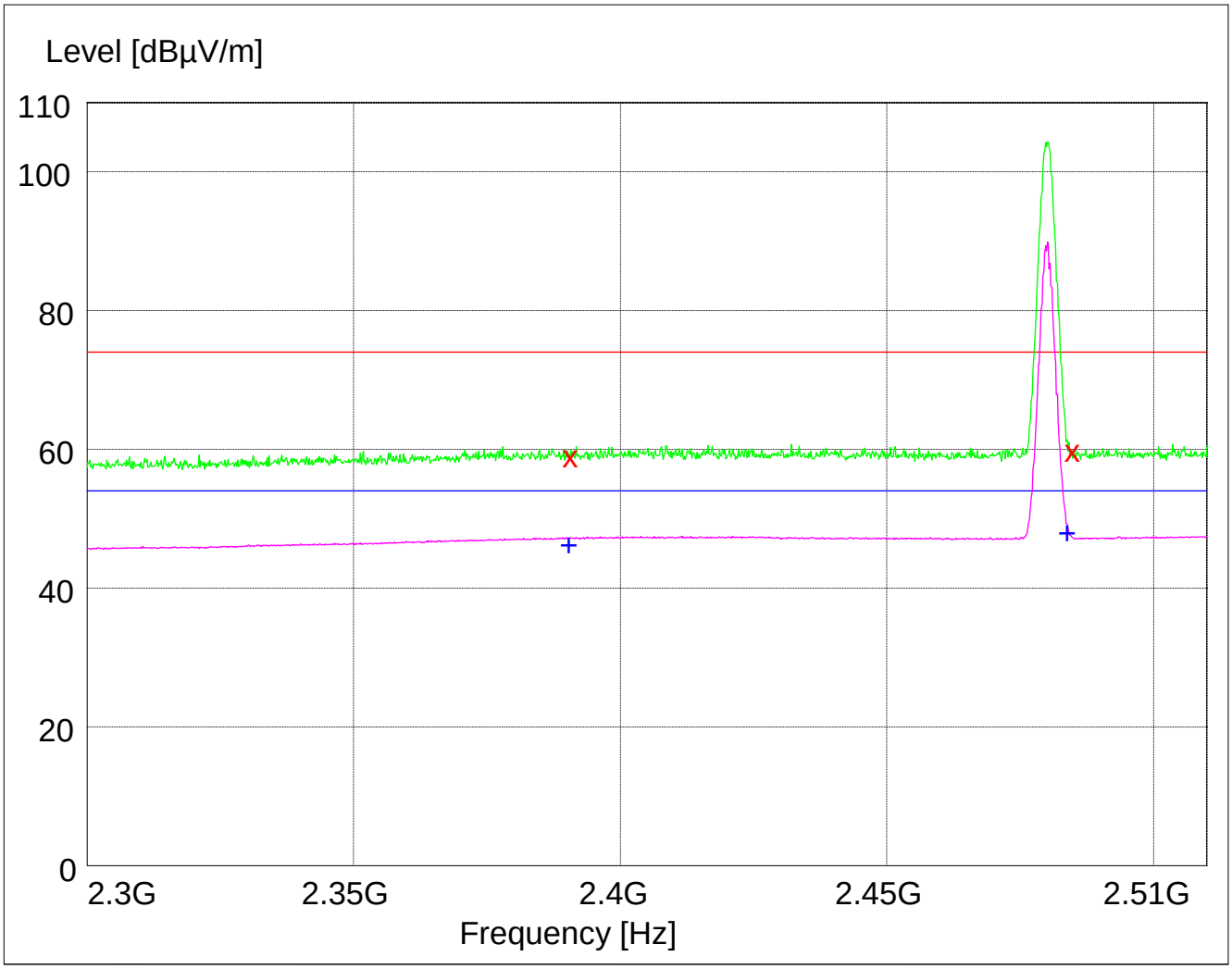
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.20	34.8	74.0	14.8	102.0	76.00	HORIZONTAL
2483.500000	59.30	35.1	74.0	14.7	129.0	267.00	VERTICAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.548000	43.70	34.8	54.0	10.3	148.0	185.00	VERTICAL
2481.456000	44.70	35.1	54.0	9.3	150.0	79.00	VERTICAL

3.2 Channel H



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	34.8	74.0	14.6	101.0	315.00	VERTICAL
2483.500000	68.40	35.1	74.0	5.6	100.0	218.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	39.80	34.8	54.0	14.2	150.0	151.00	VERTICAL

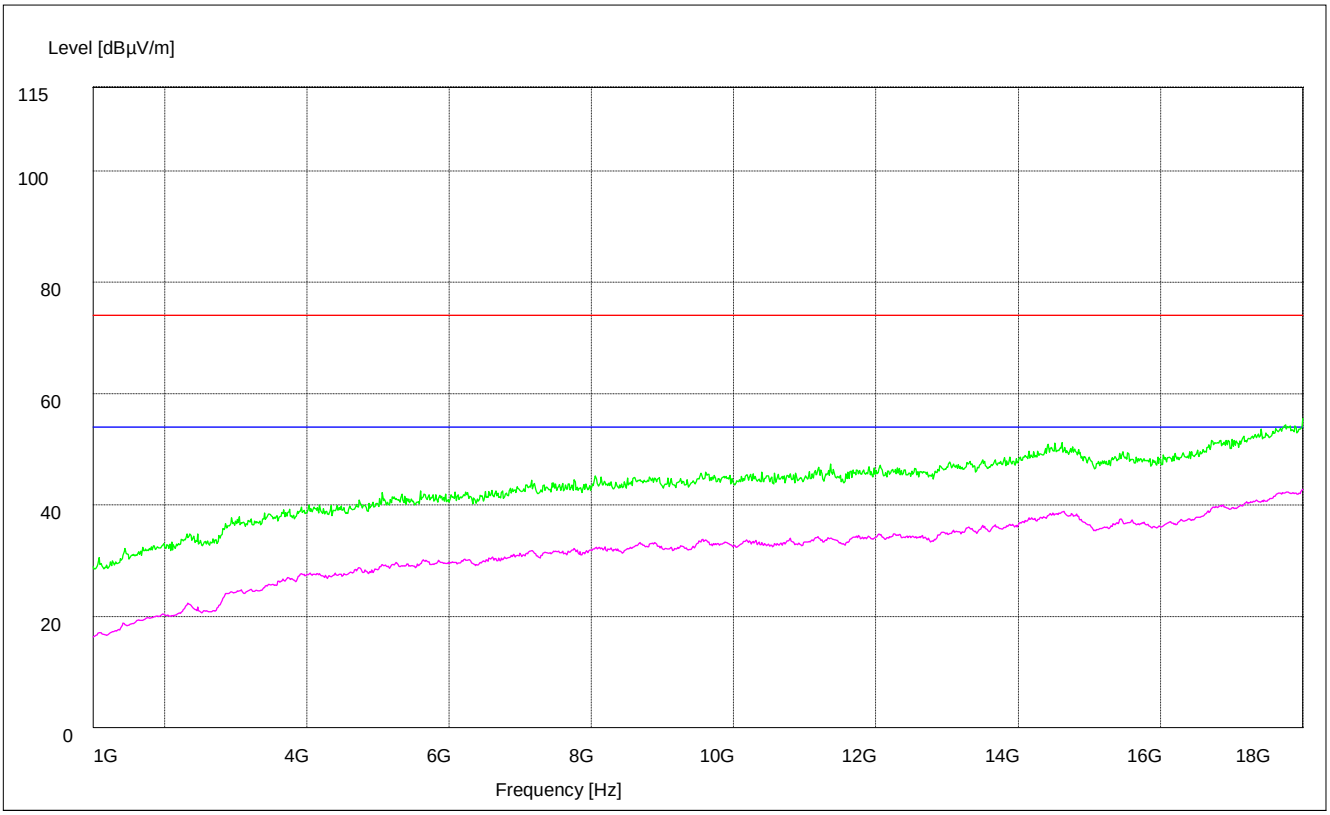
2483.500000	43.50	35.1	54.0	10.5	100.0	216.00	HORIZONTAL

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.

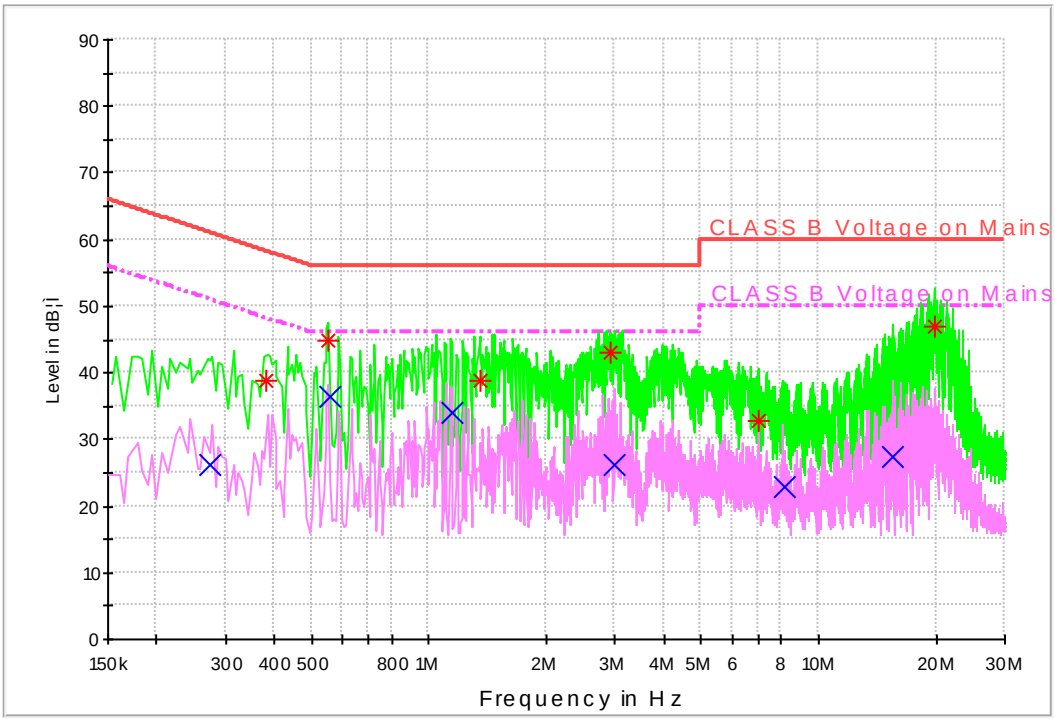
Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBμV/m) and Average Limit (54 dBμV/m).



Appendix G: AC Power Line Conducted Emissions

Channel 19

CLASS B Voltage with ENV216



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.380235	38.8	9.7	58.3	19.5	L1	FLO
0.552818	44.8	9.7	56.0	11.2	N	FLO
1.359810	38.7	9.7	56.0	17.3	N	FLO
2.917492	43.1	9.7	56.0	13.0	N	FLO
6.990266	32.9	9.9	60.0	27.1	N	FLO
19.883478	47.0	10.1	60.0	13.0	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.275546	26.3	9.7	50.9	24.6	N	FLO
0.554370	36.5	9.7	46.0	9.5	N	FLO
1.141470	34.0	9.7	46.0	12.0	N	FLO
2.994735	26.2	9.7	46.0	19.8	N	FLO
8.165018	22.9	9.9	50.0	27.1	N	FLO
15.486851	27.3	10.1	50.0	22.7	N	FLO

END