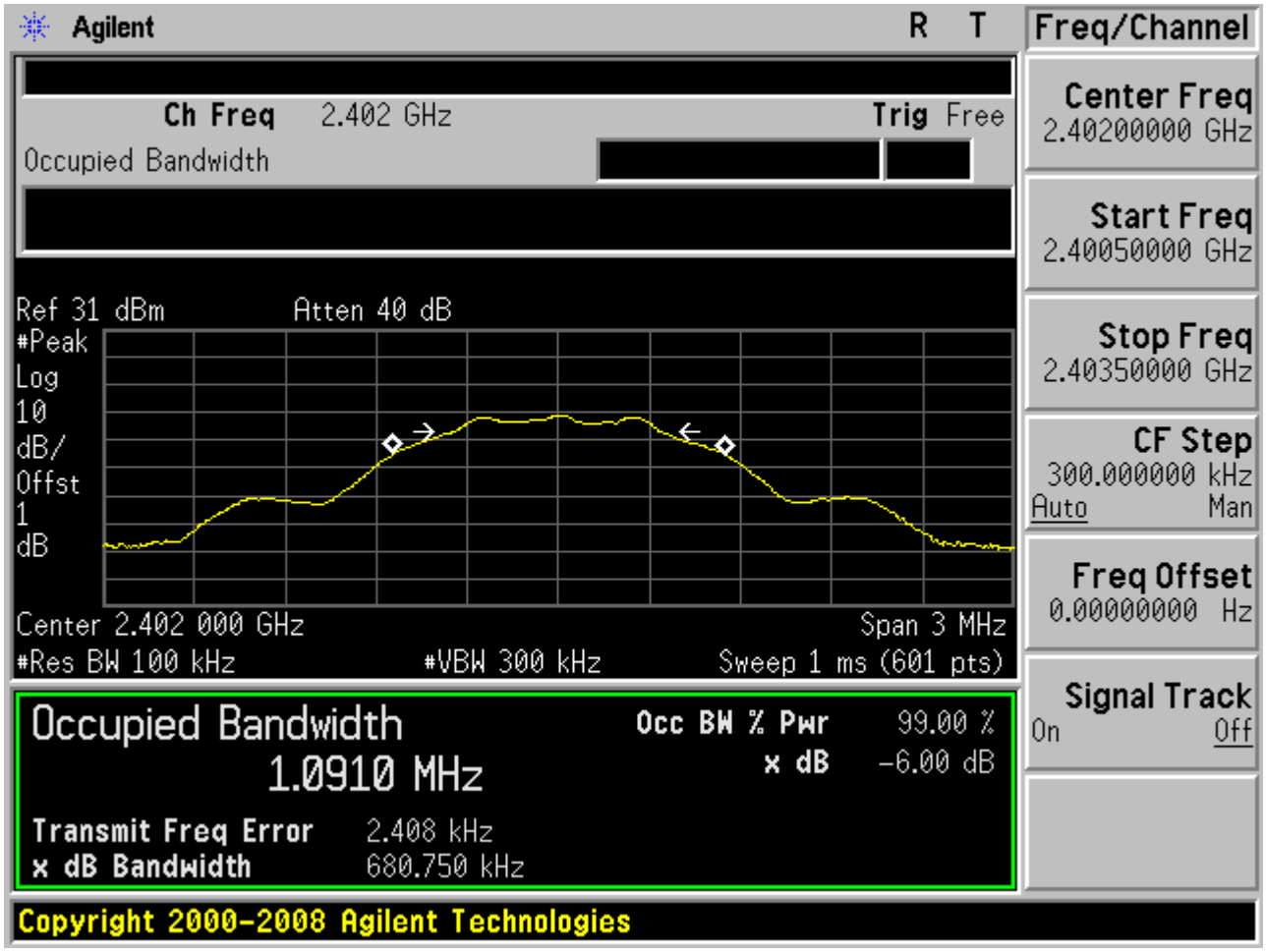
Appendix A: 6dB Emission Bandwidth (EBW)

1 Result Table

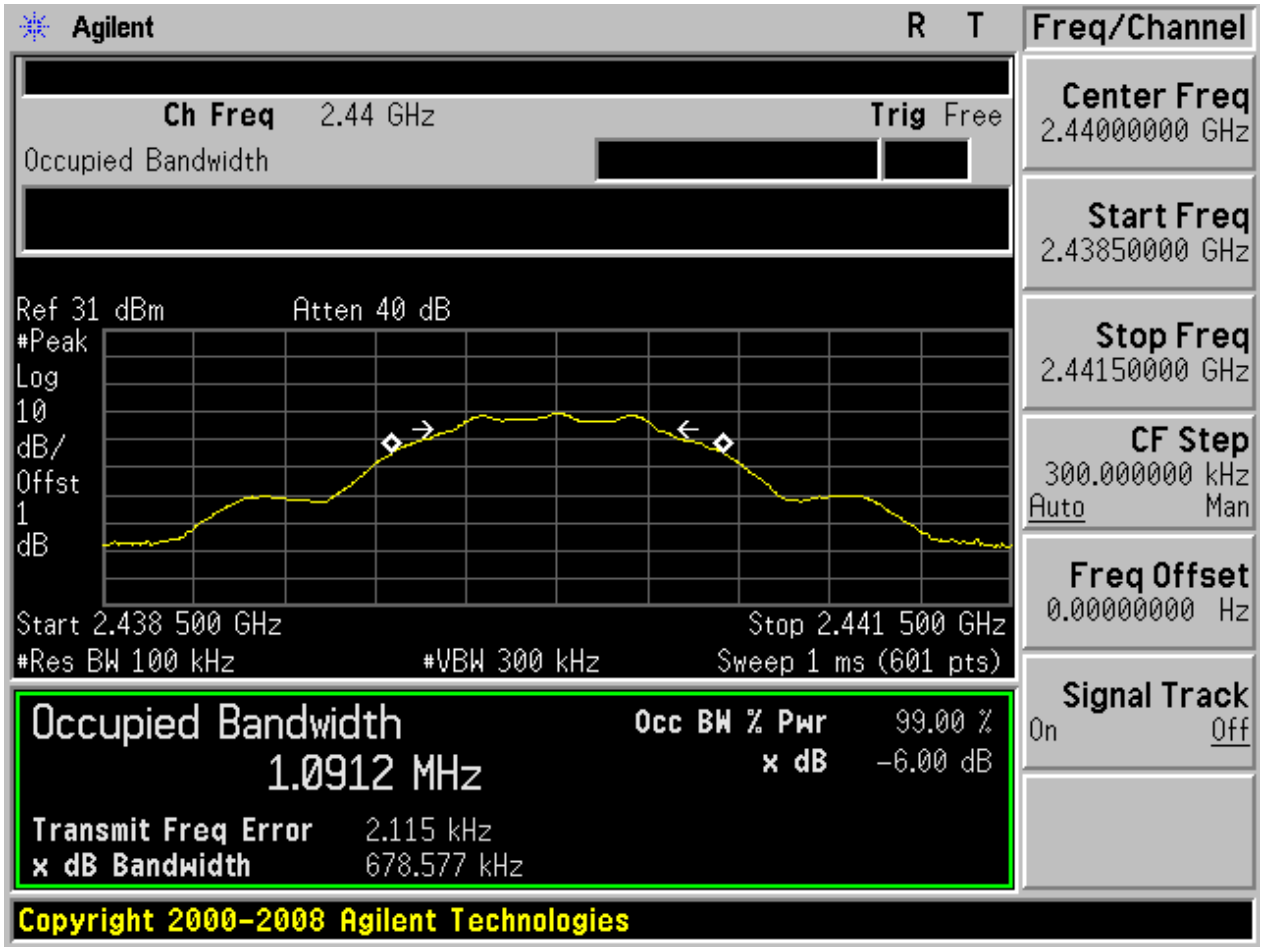
EUT Conf.	EBW [KHz]	Verdict
TM1_DH5_Ch0	680.75	Pass
TM1_DH5_Ch19	678.58	Pass
TM1_DH5_Ch39	681.15	Pass

2 Test Plot

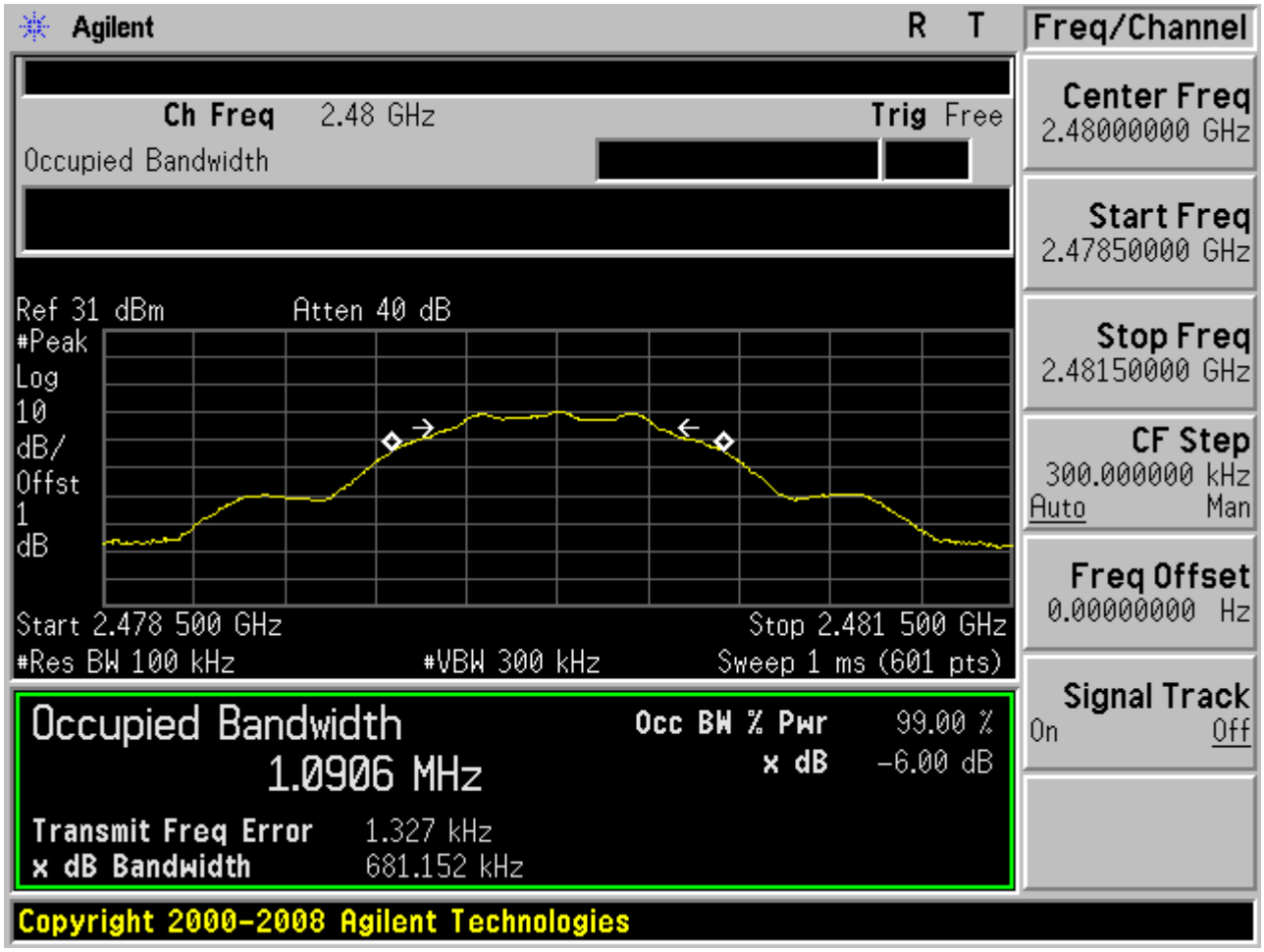
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



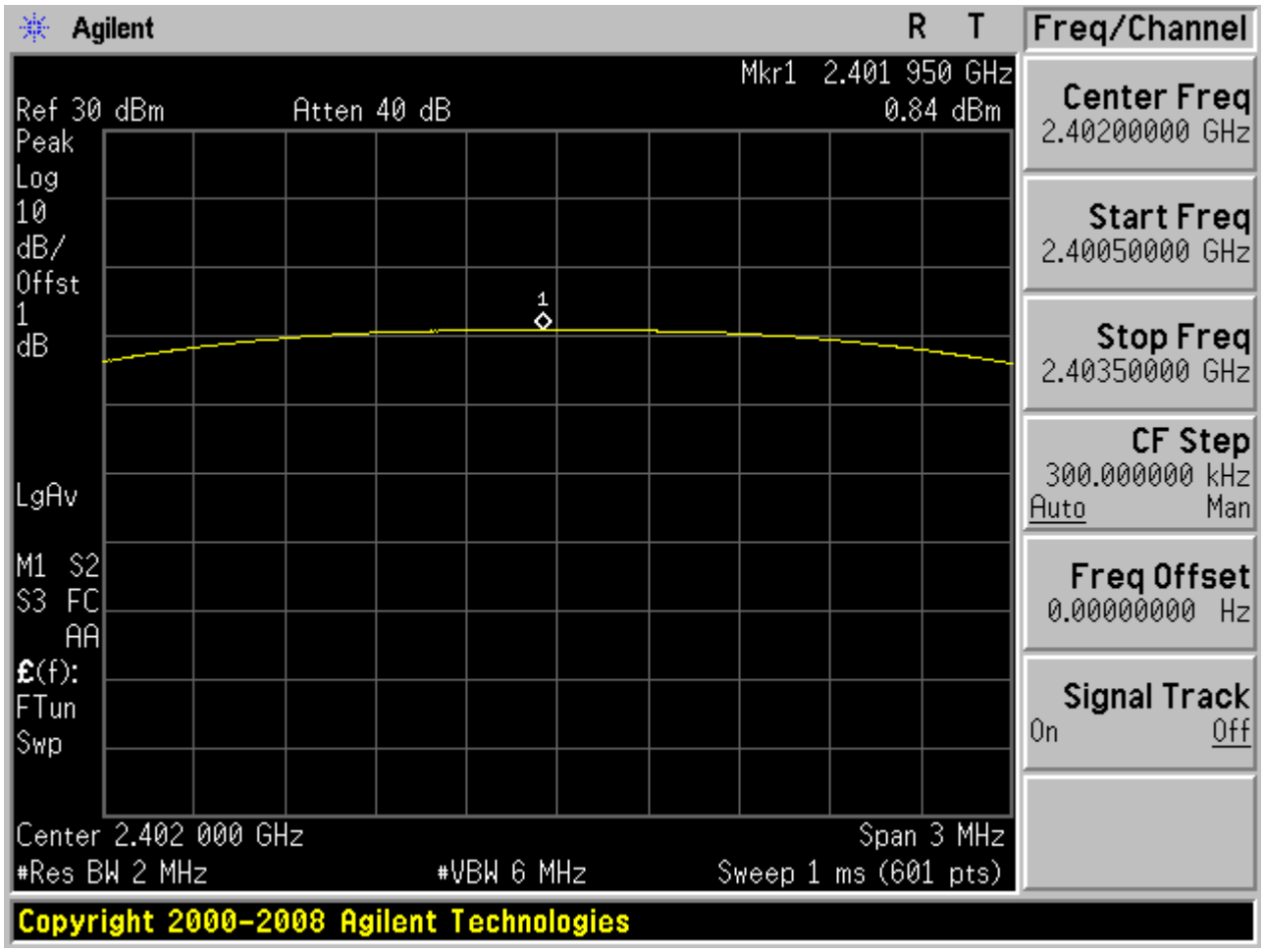
Appendix B: Maximum Peak Conducted Output Power

1 Result Table

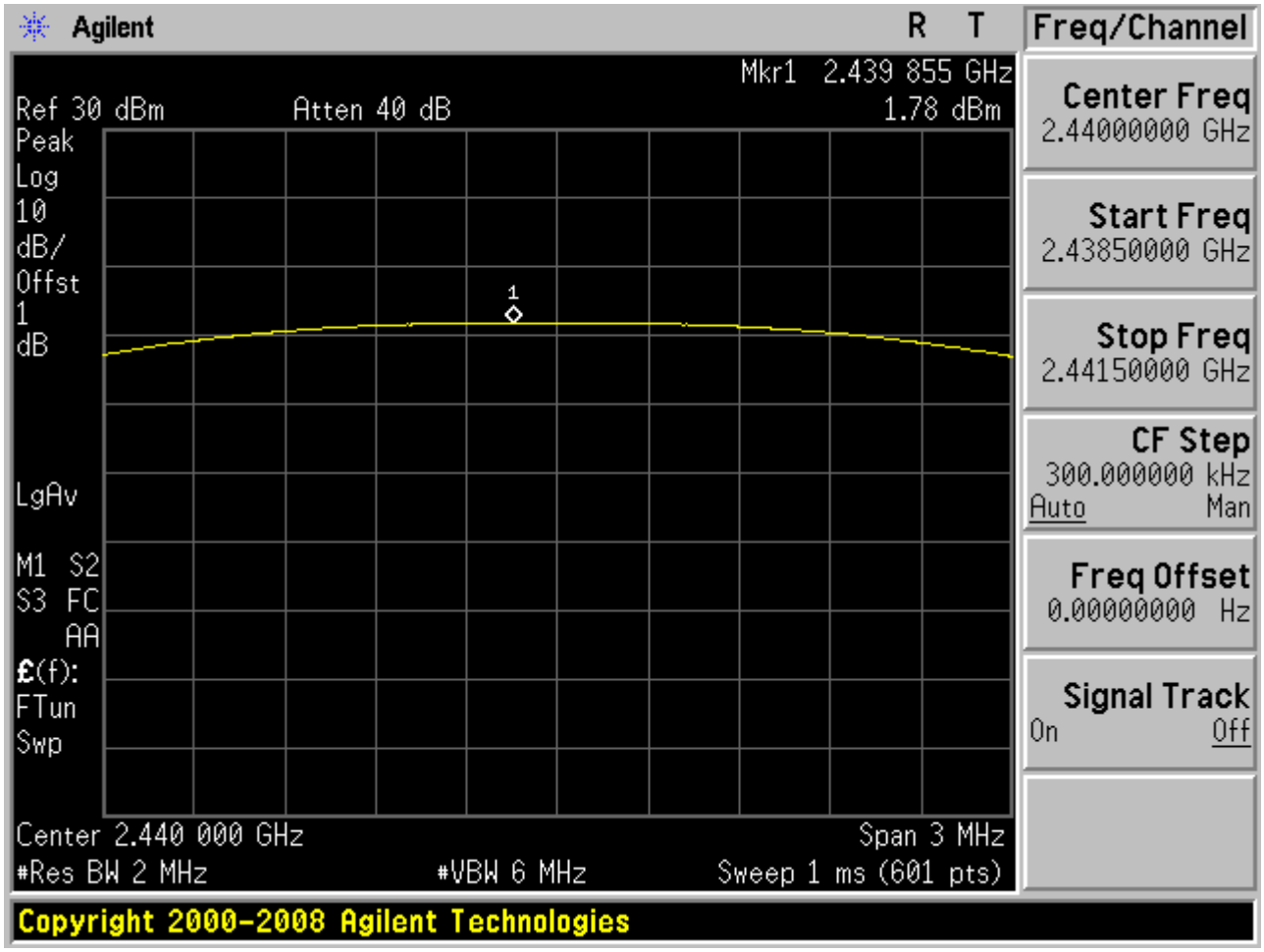
EUT Conf.	Max. Peak Power [dBm]	Verdict
TM1_DH5_Ch0	0.84	Pass
TM1_DH5_Ch19	1.78	Pass
TM1_DH5_Ch39	2.22	Pass

2 Test Plot

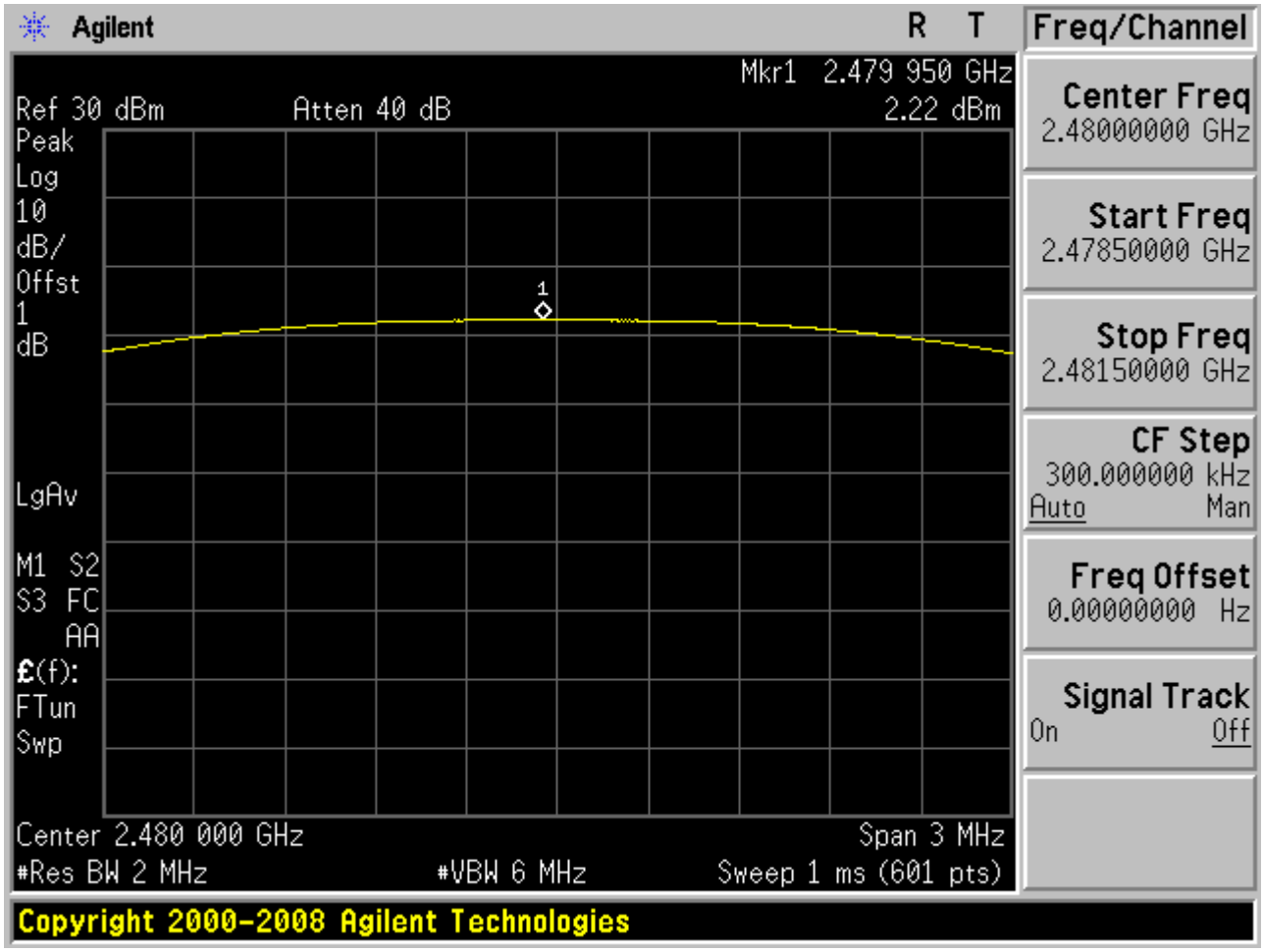
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



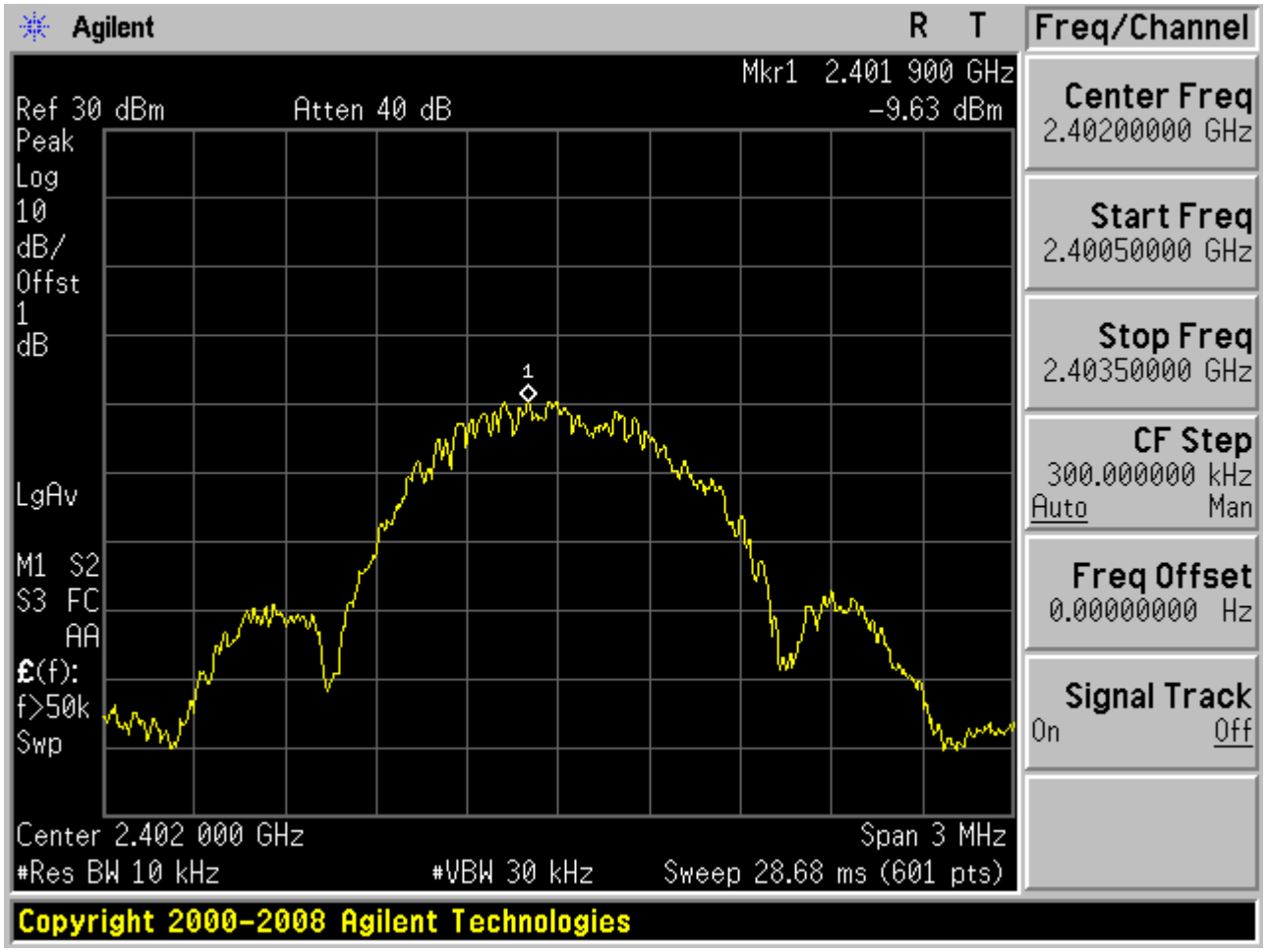
Appendix C: Maximum Power Spectral Density Level

1 Result Table

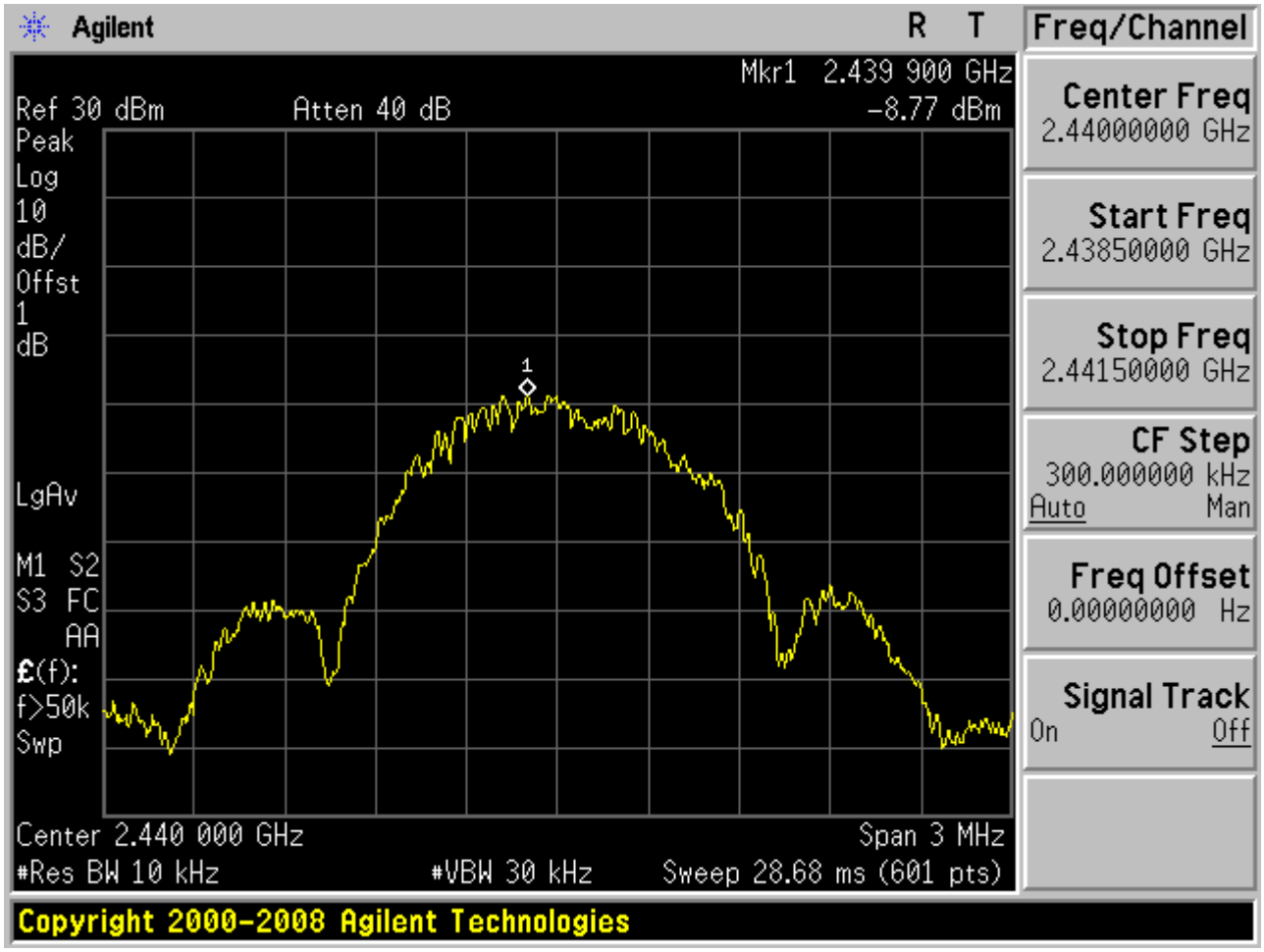
EUT Conf.	Max. Power Spectral Density Level [dBm]	Verdict
TM1_DH5_Ch0	-9.63	Pass
TM1_DH5_Ch19	-8.77	Pass
TM1_DH5_Ch39	-8.24	Pass

2 Test Plot

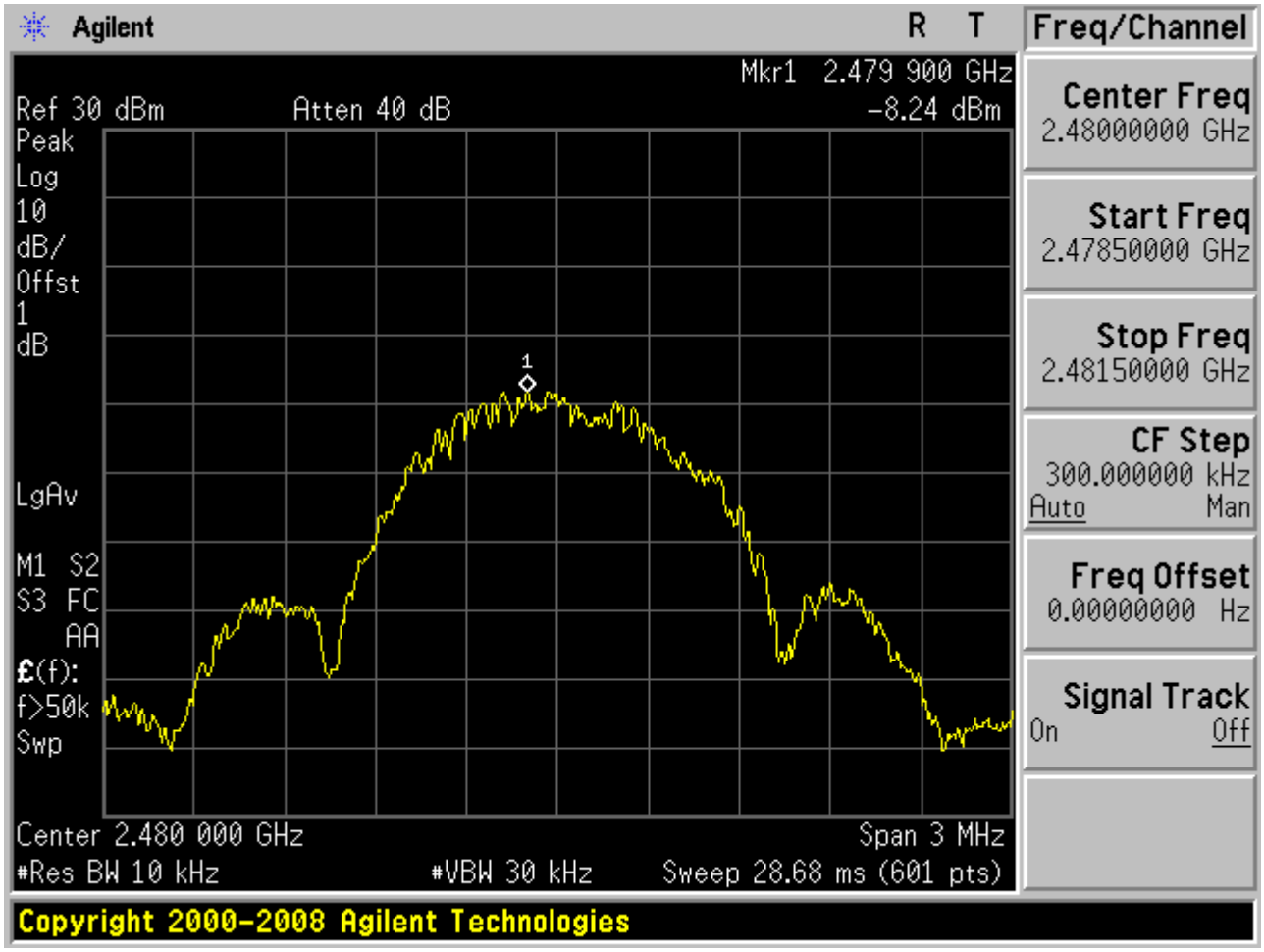
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39



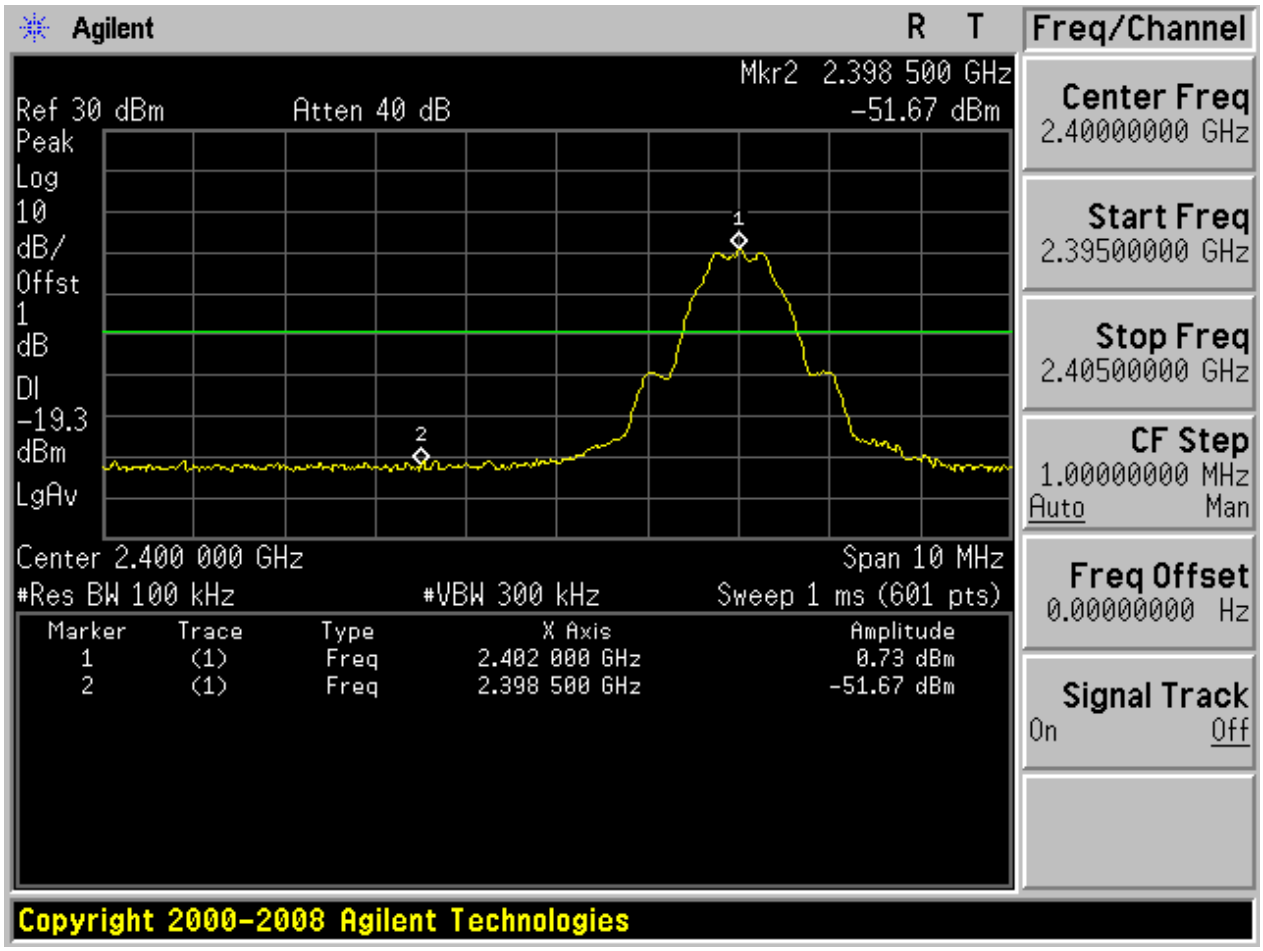
Appendix D: Band edge spurious emission

3 Result Table

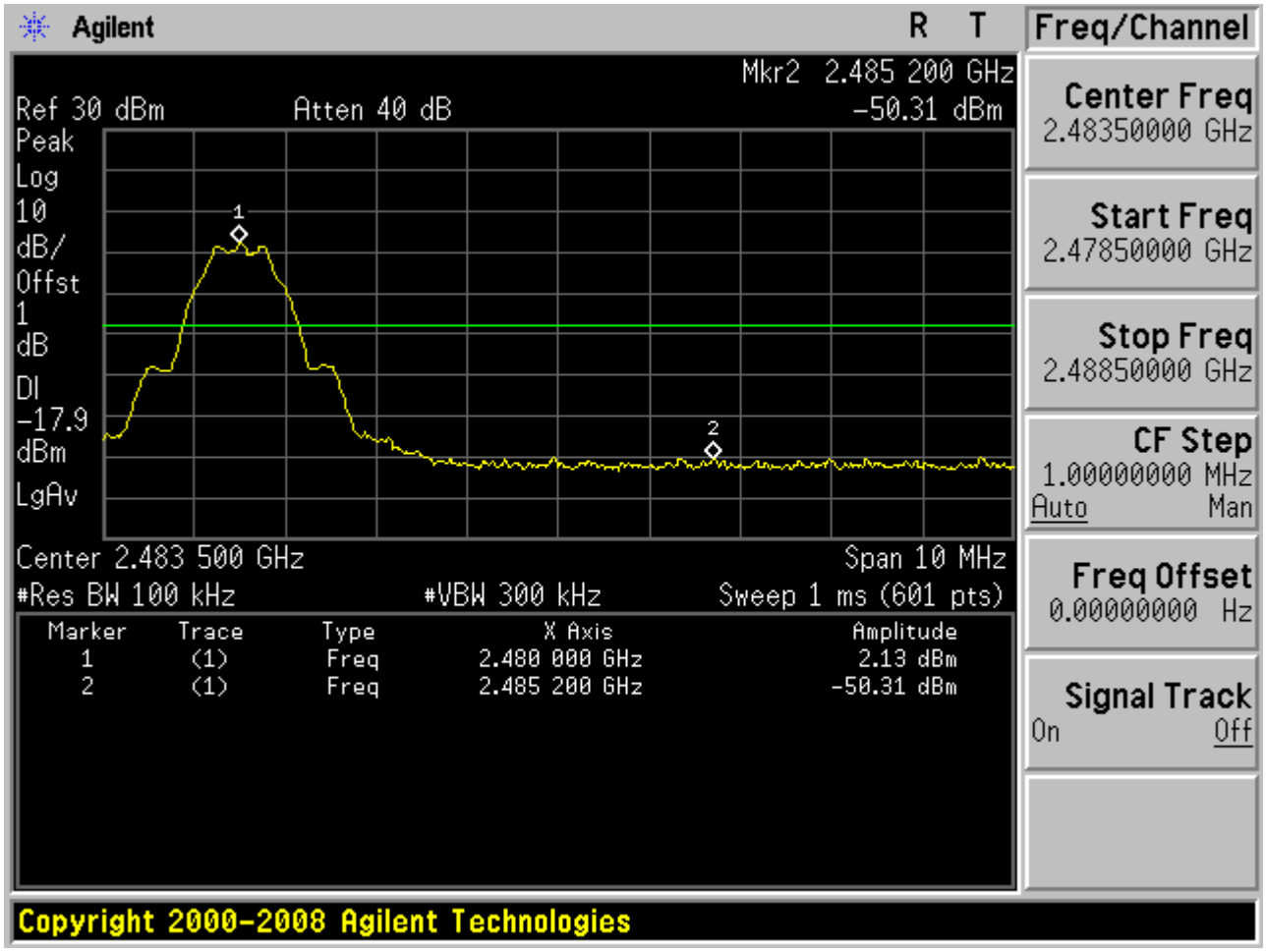
EUT Conf.	Channel No.	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max. Spurious Level [dBm]	Limit [dBm]	Result
TM1_DH5_Ch0	0	2402	0.73	Off	-51.67	-16.44	Pass
TM1_DH5_Ch39	39	2480	2.13	Off	-50.31	-16.82	Pass

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” 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.

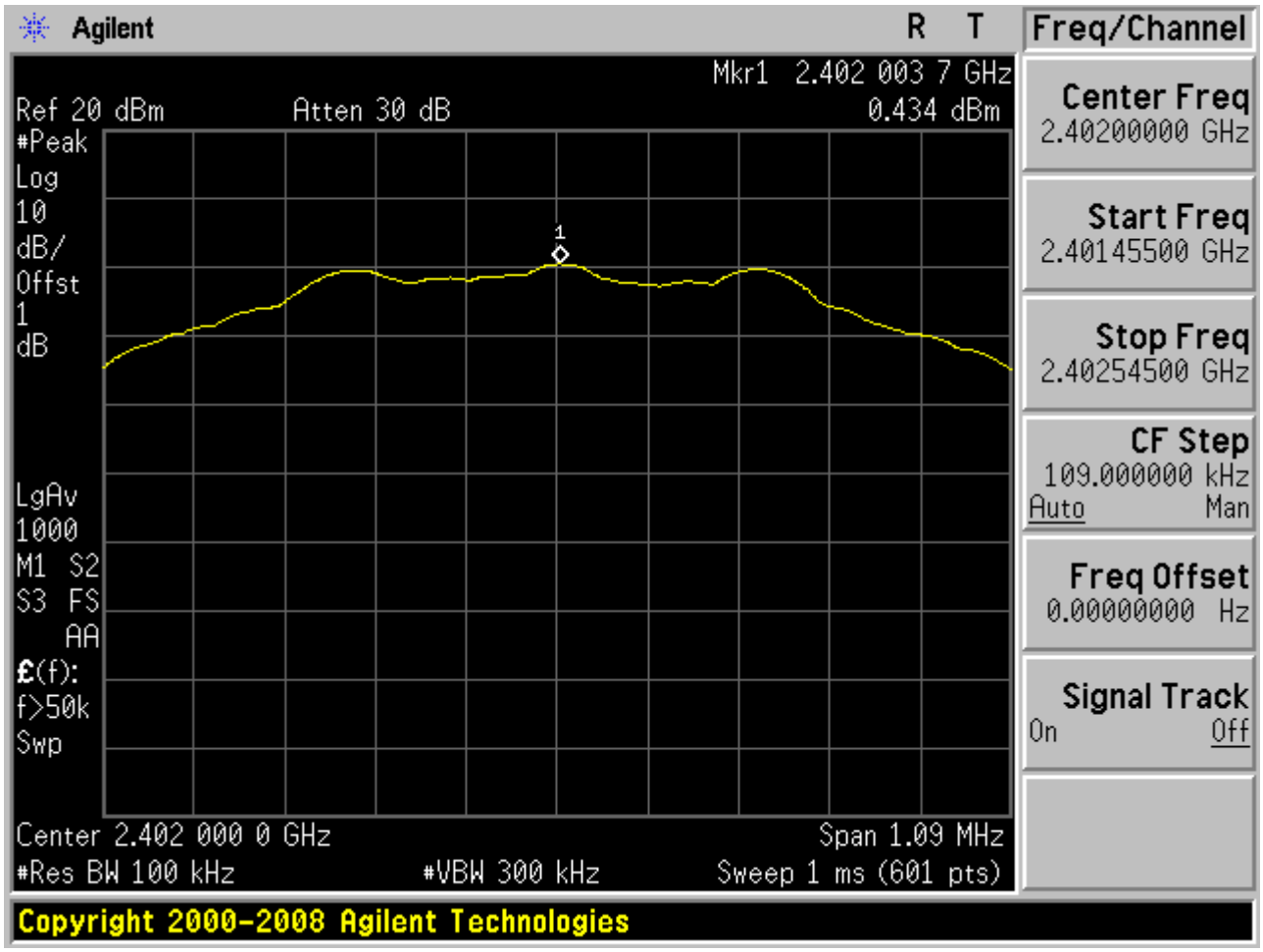
In the result table, the “< Limit” denotes that “The Puw [dBm] is less than Pref [dBm] - 20 [dB], see test plots for detailed”.

EUT Conf.	Pref [dBm/100 kHz]	Puw [dBm/100 kHz]	Verdict
TM1_DH5_Ch0	0.43	< Limit	Pass
TM1_DH5_Ch39	1.39	< Limit	Pass
TM1_DH5_Ch78	1.91	< Limit	Pass

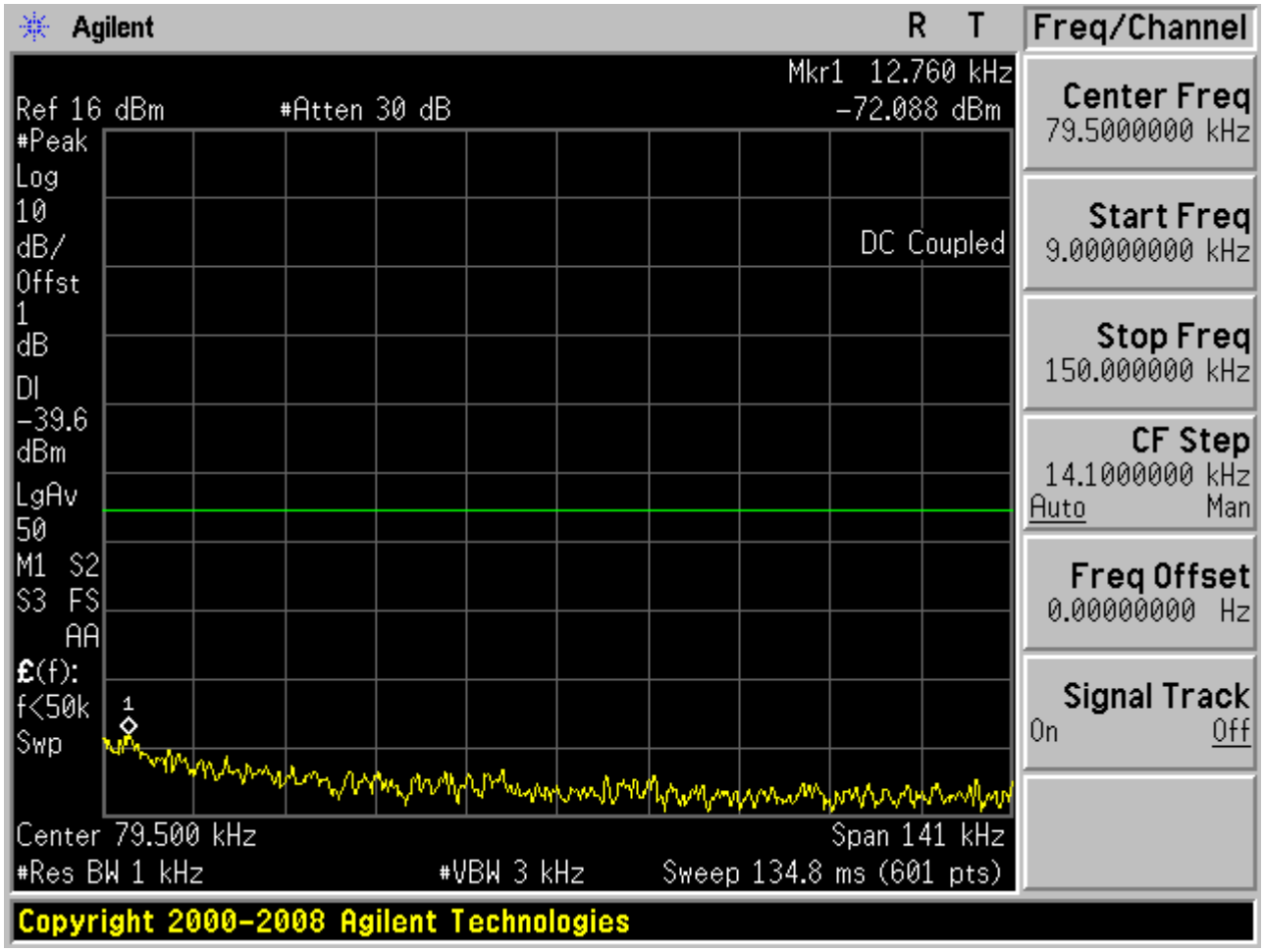
2 Test Plot

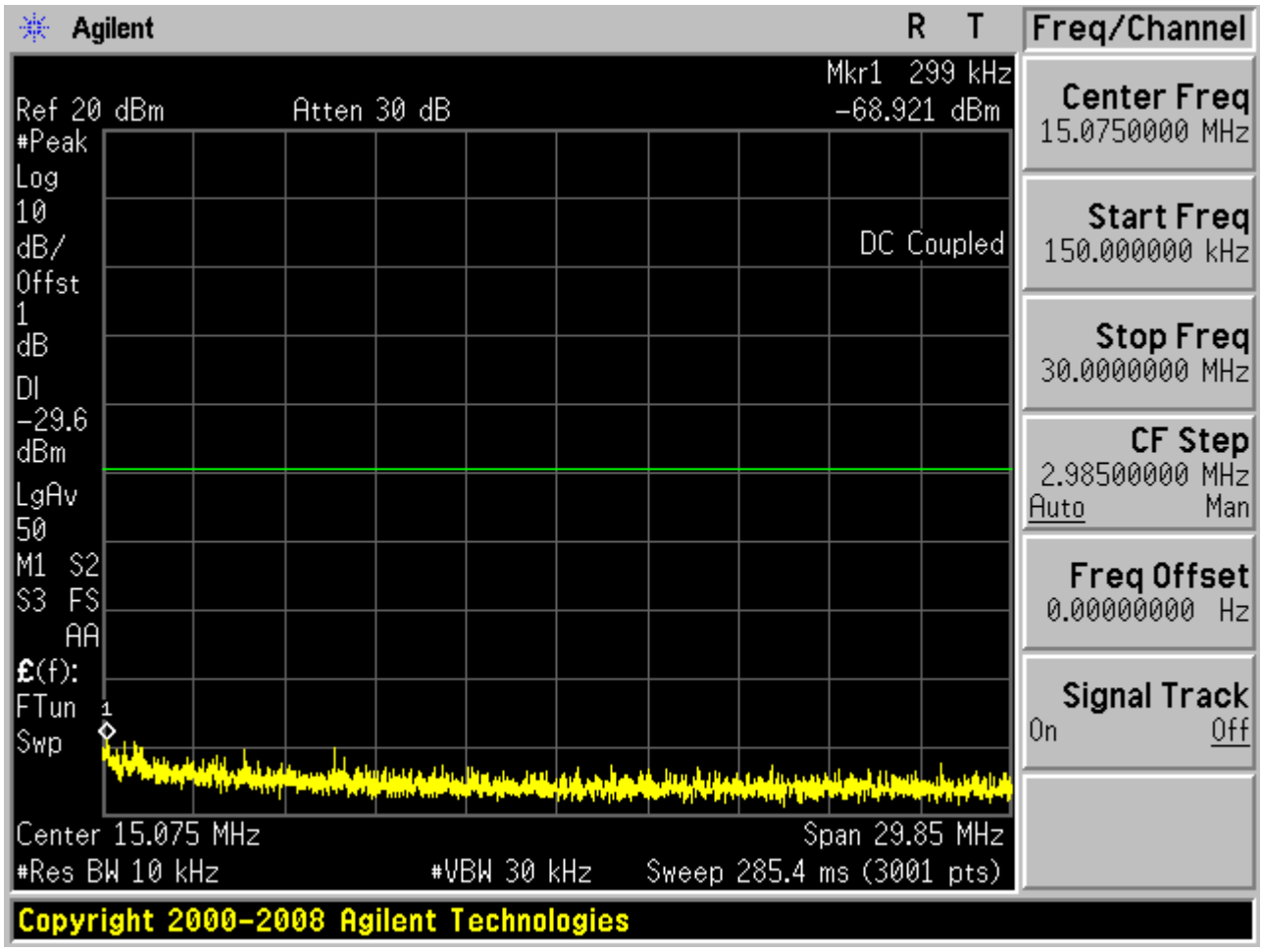
2.1 TM1_DH5_Ch0

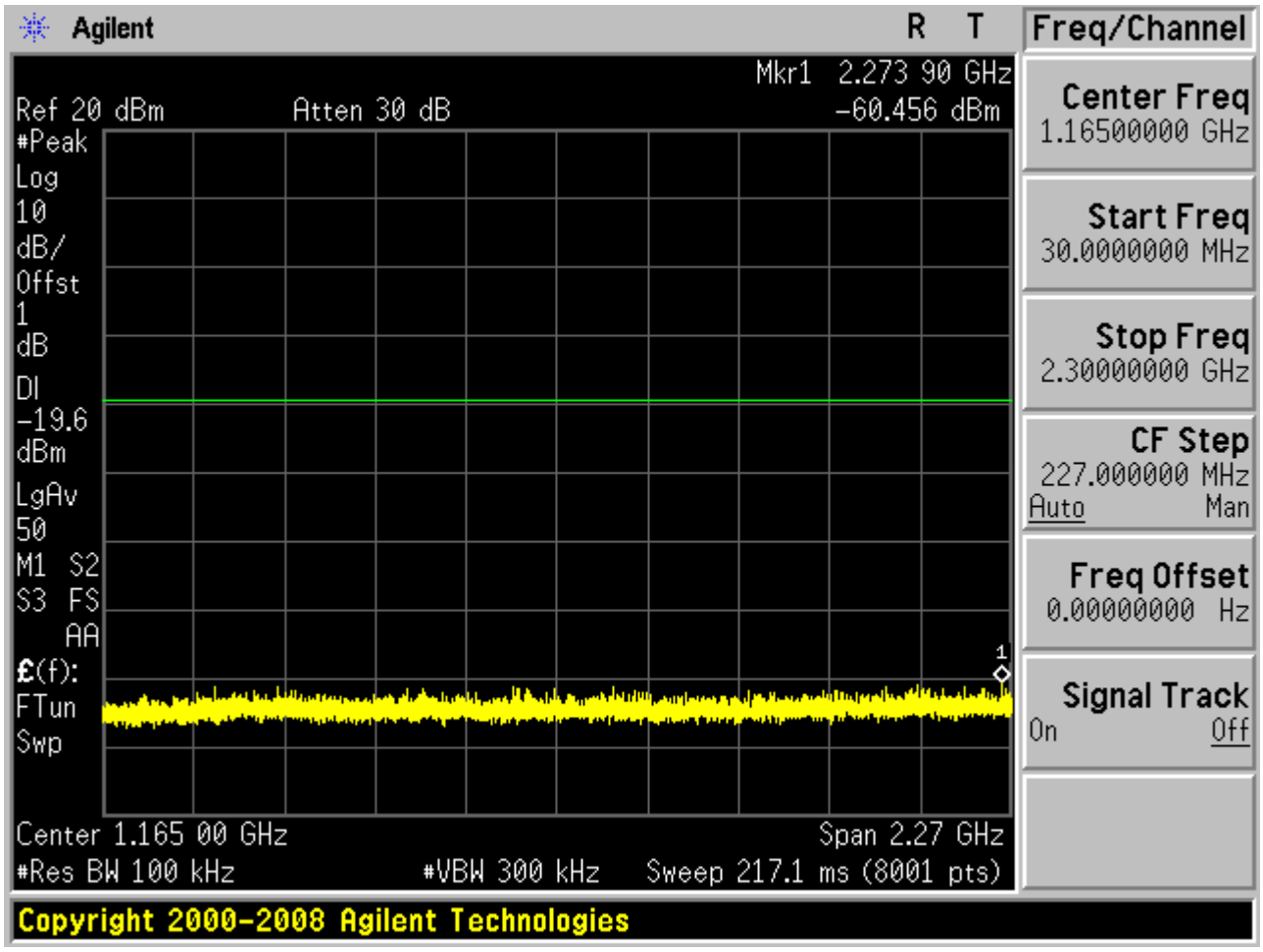
2.1.1 Pref

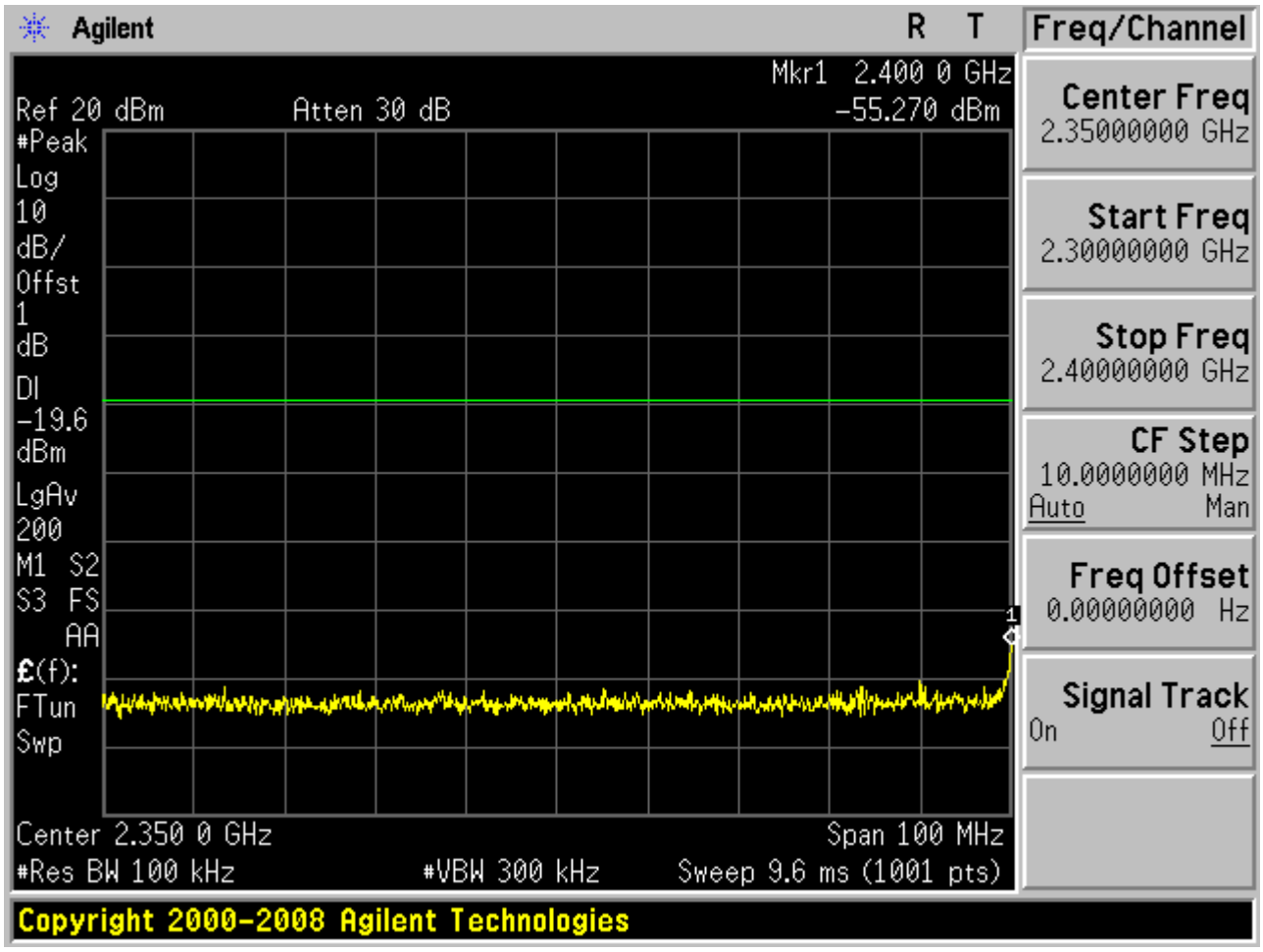


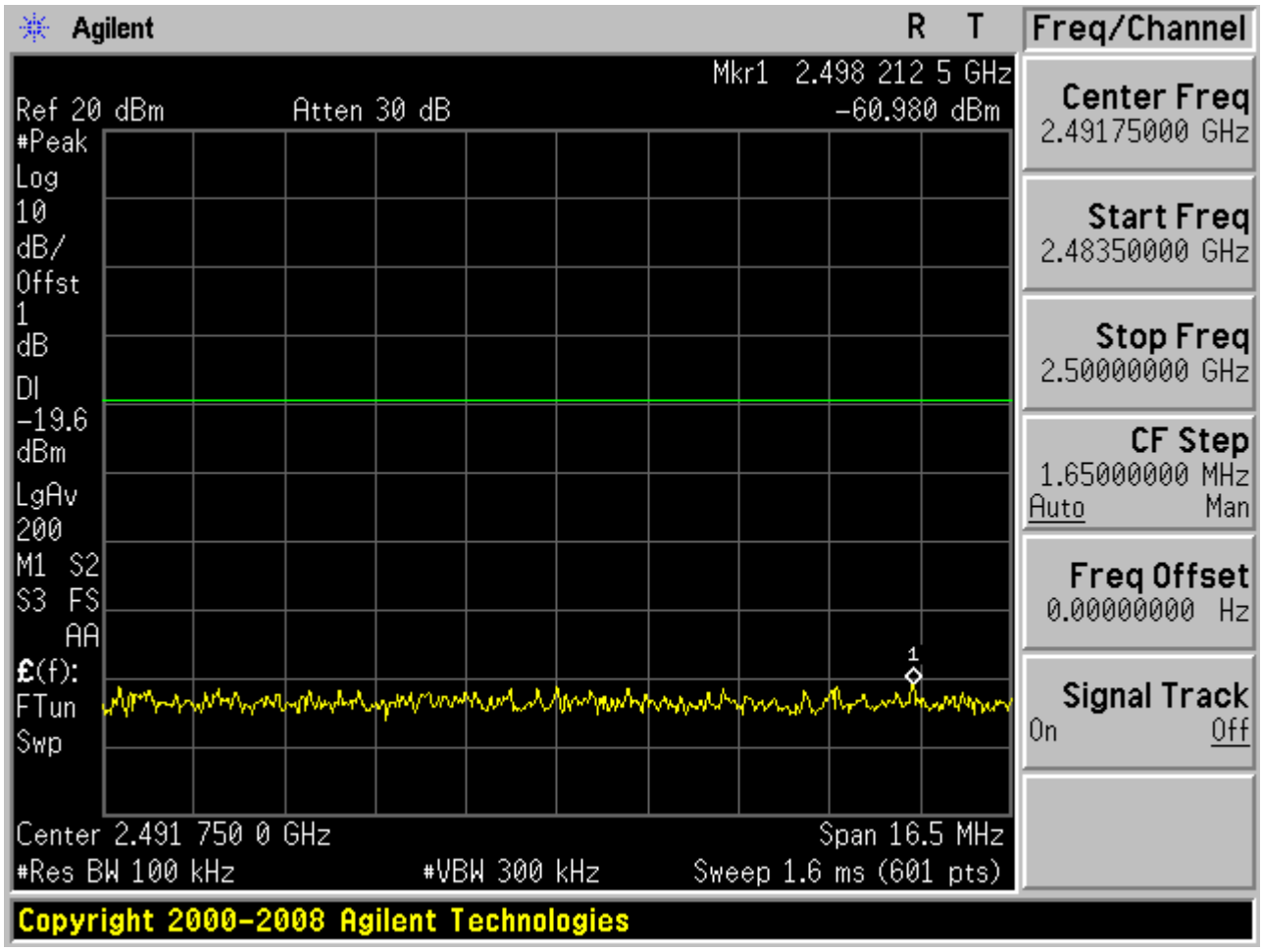
2.1.2 Puw

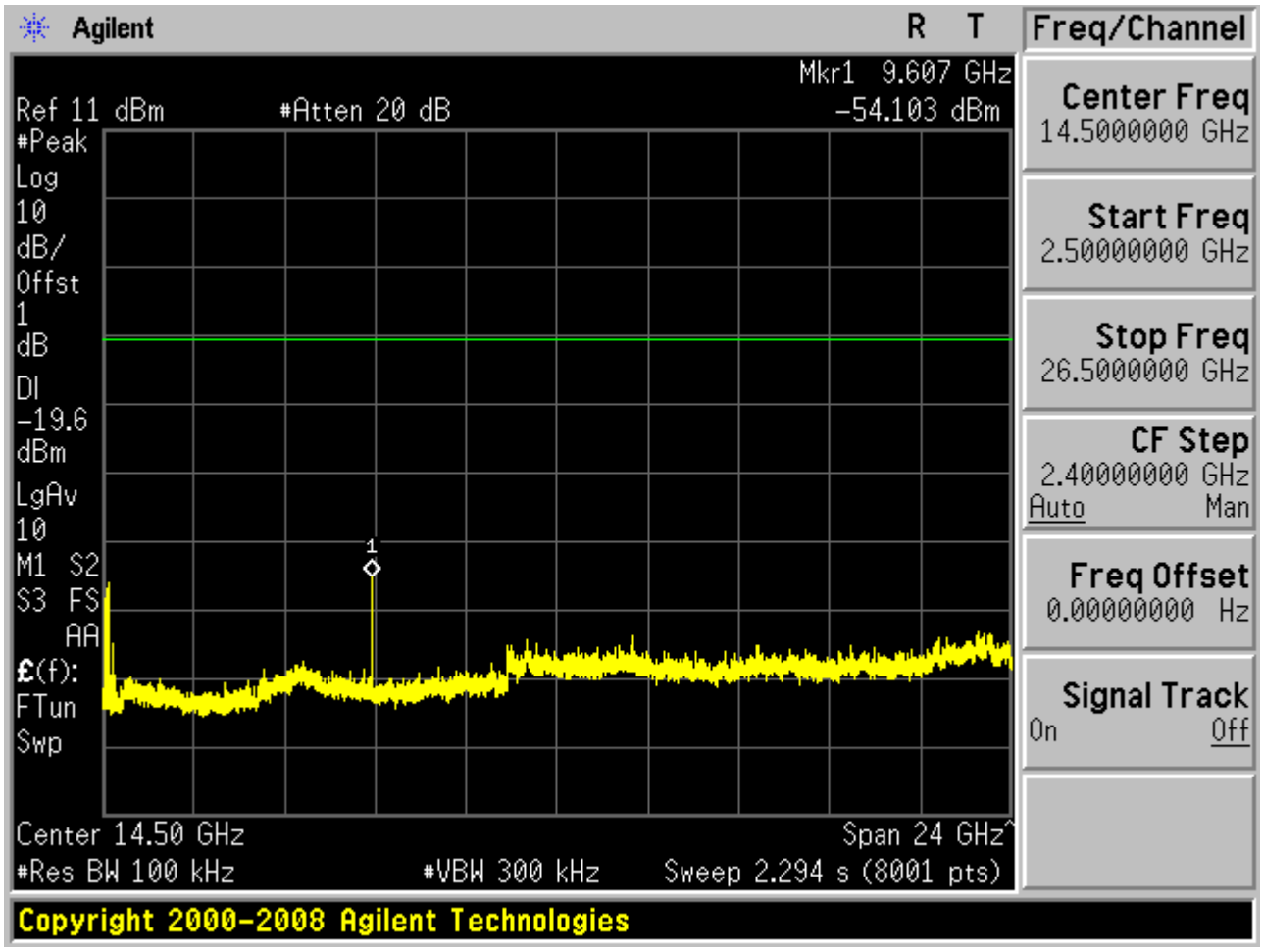






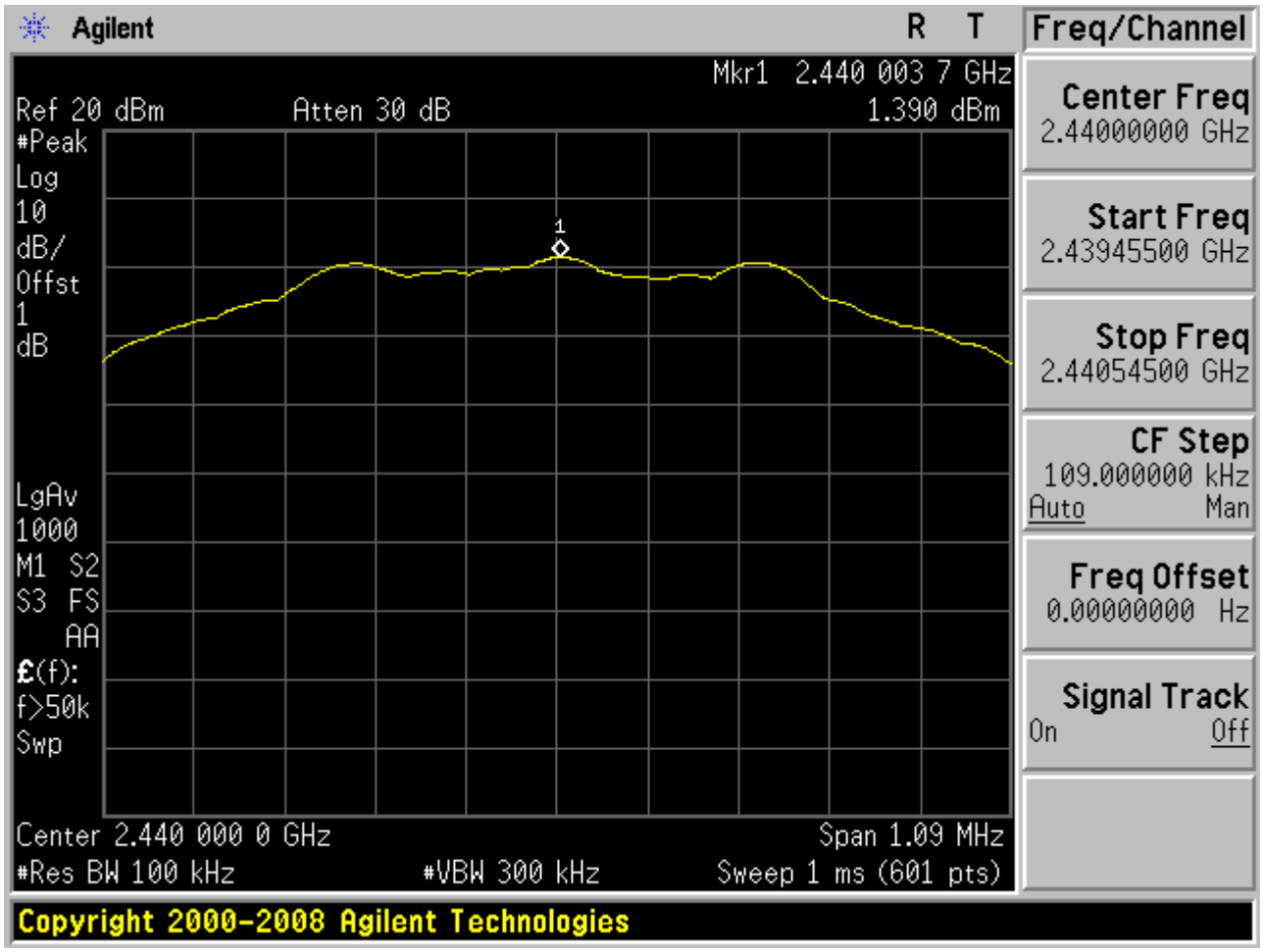




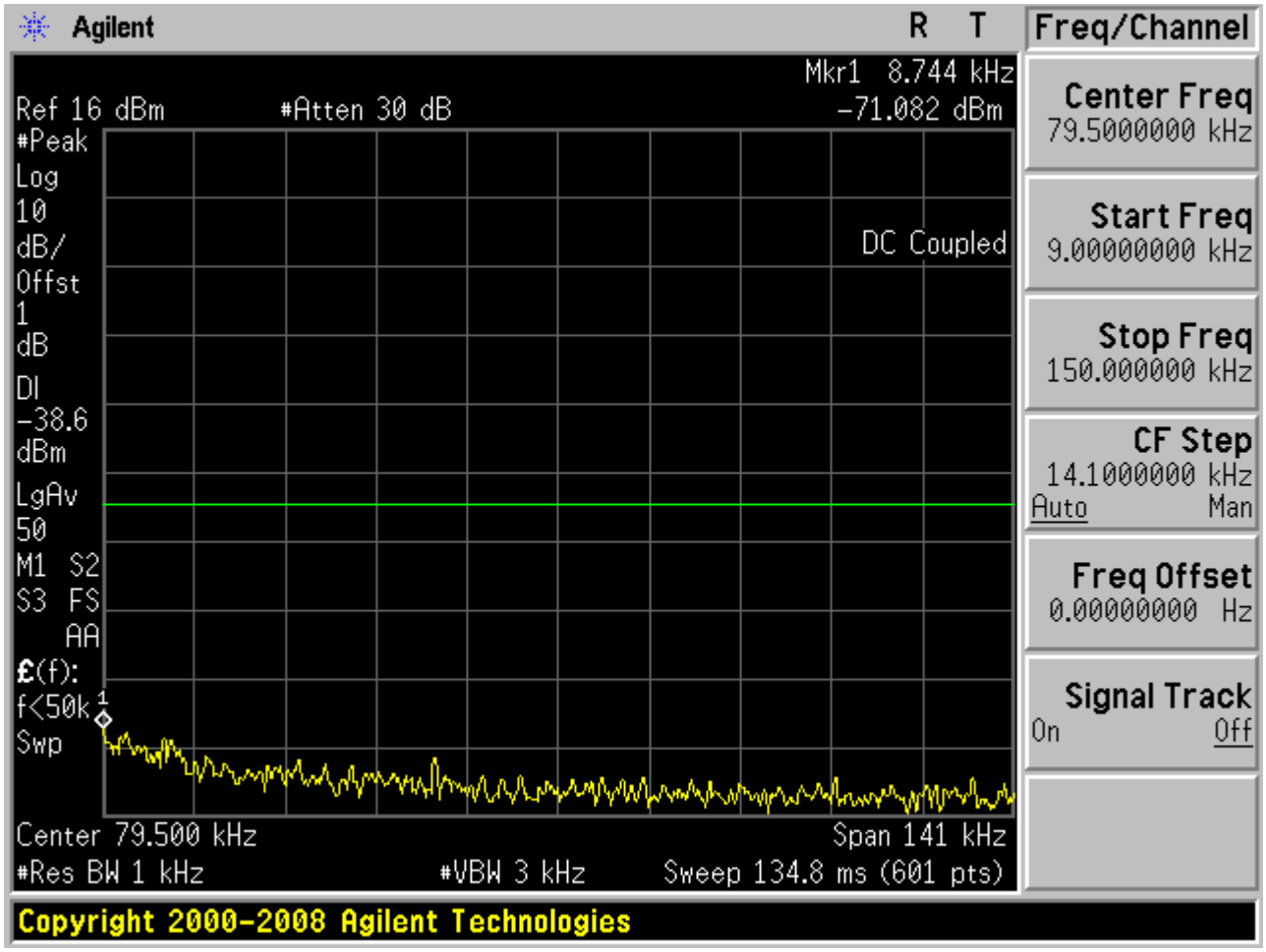


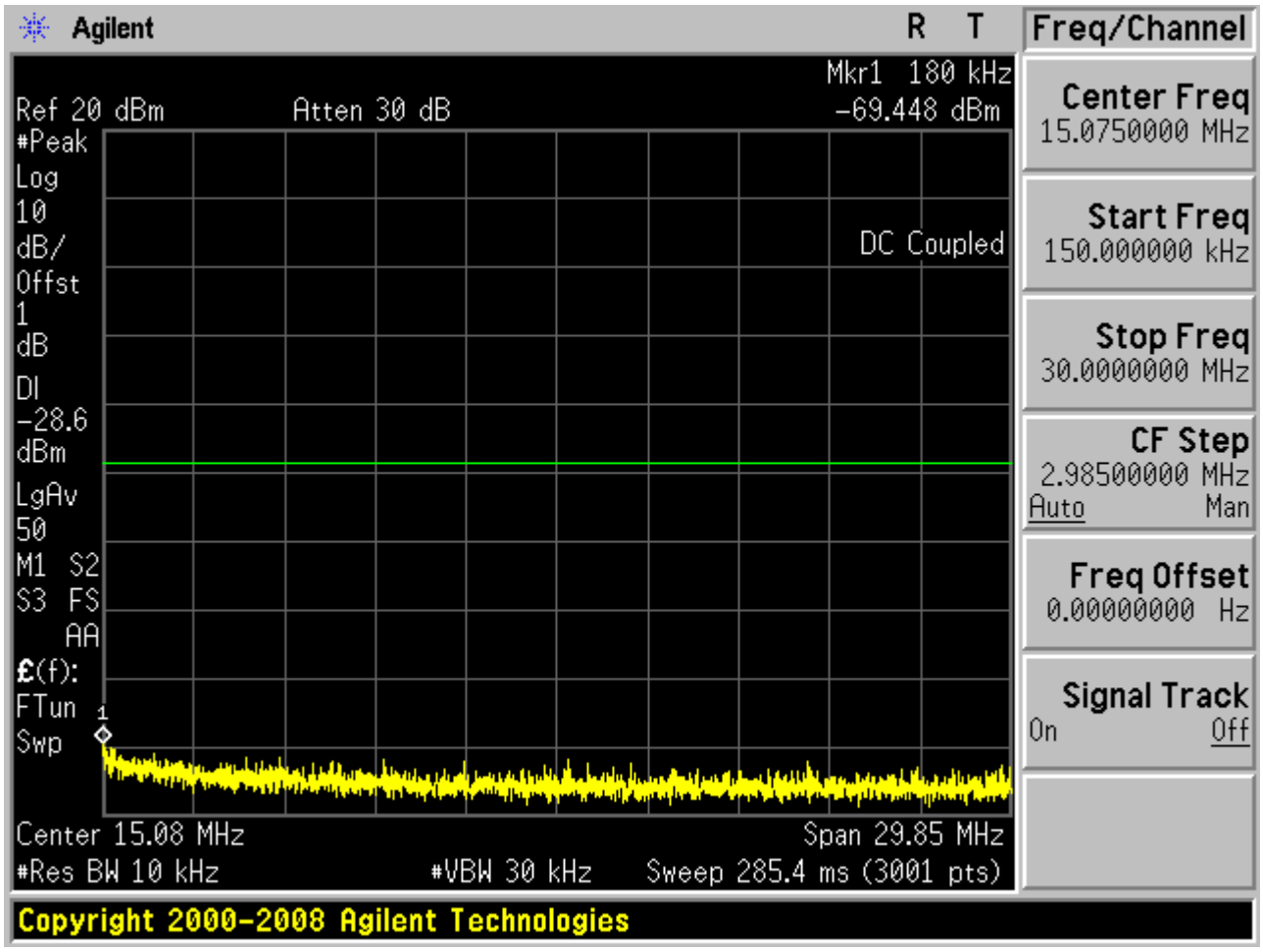
2.2 TM1_DH5_Ch19

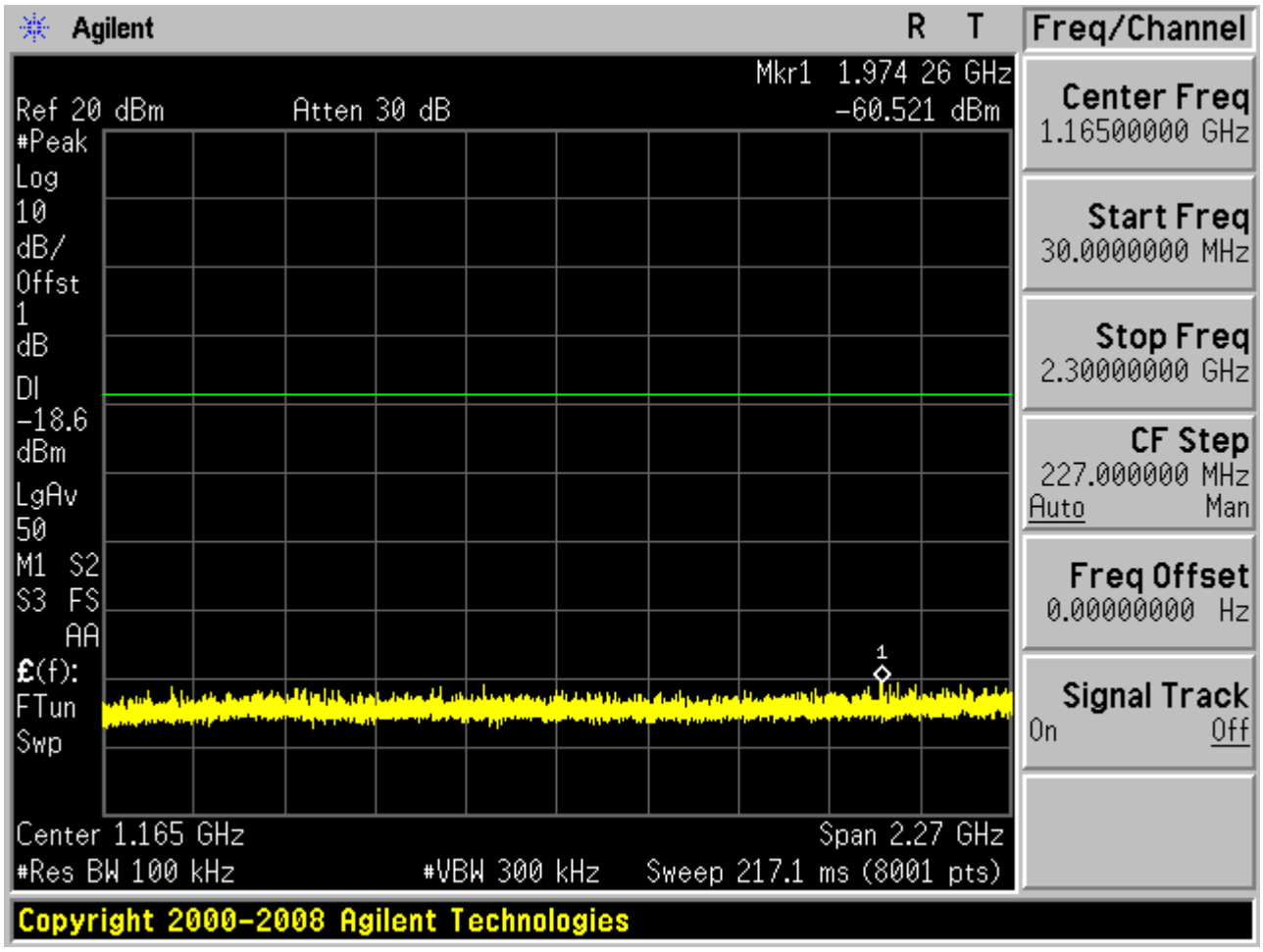
2.2.1 Pref

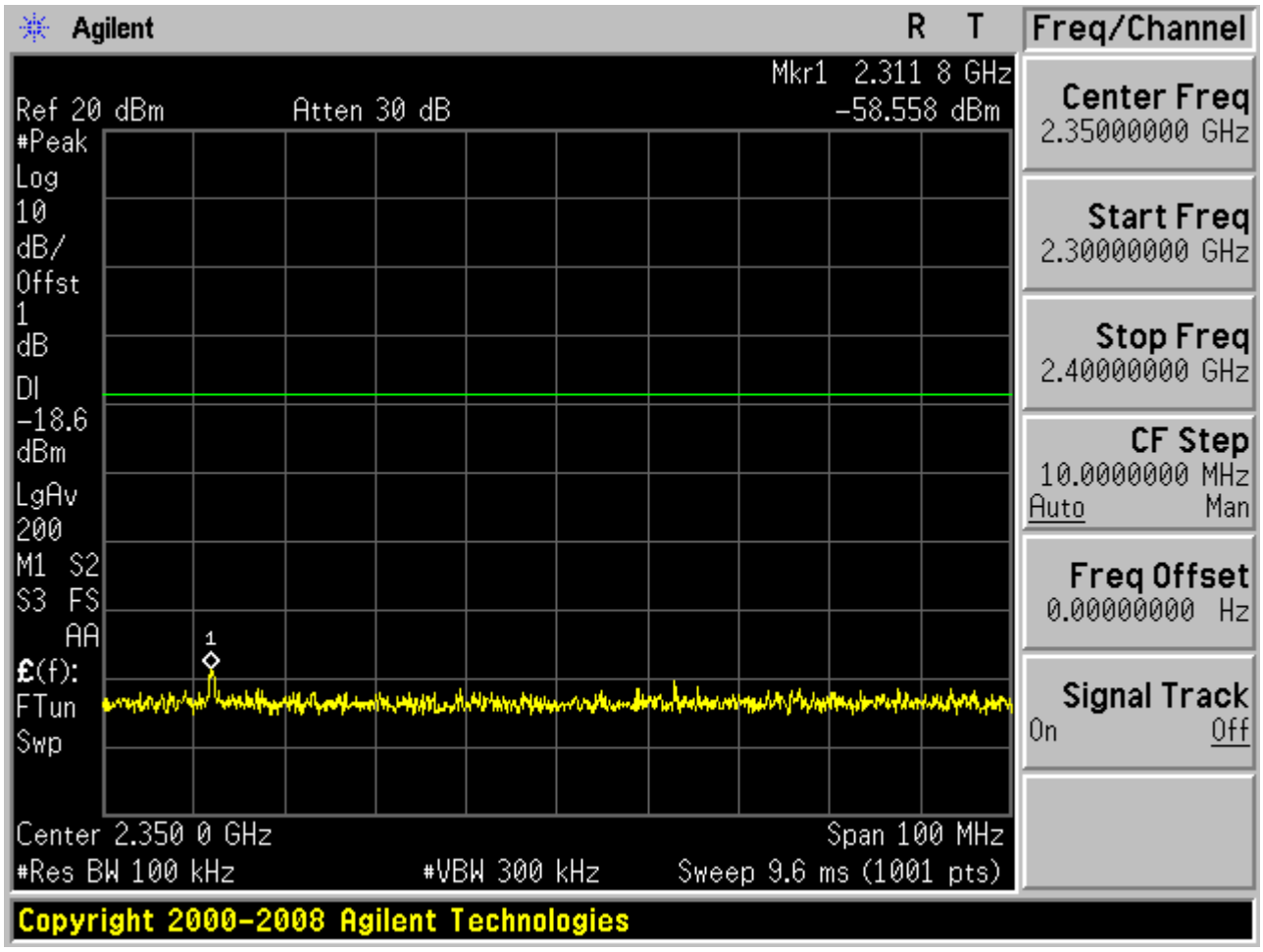


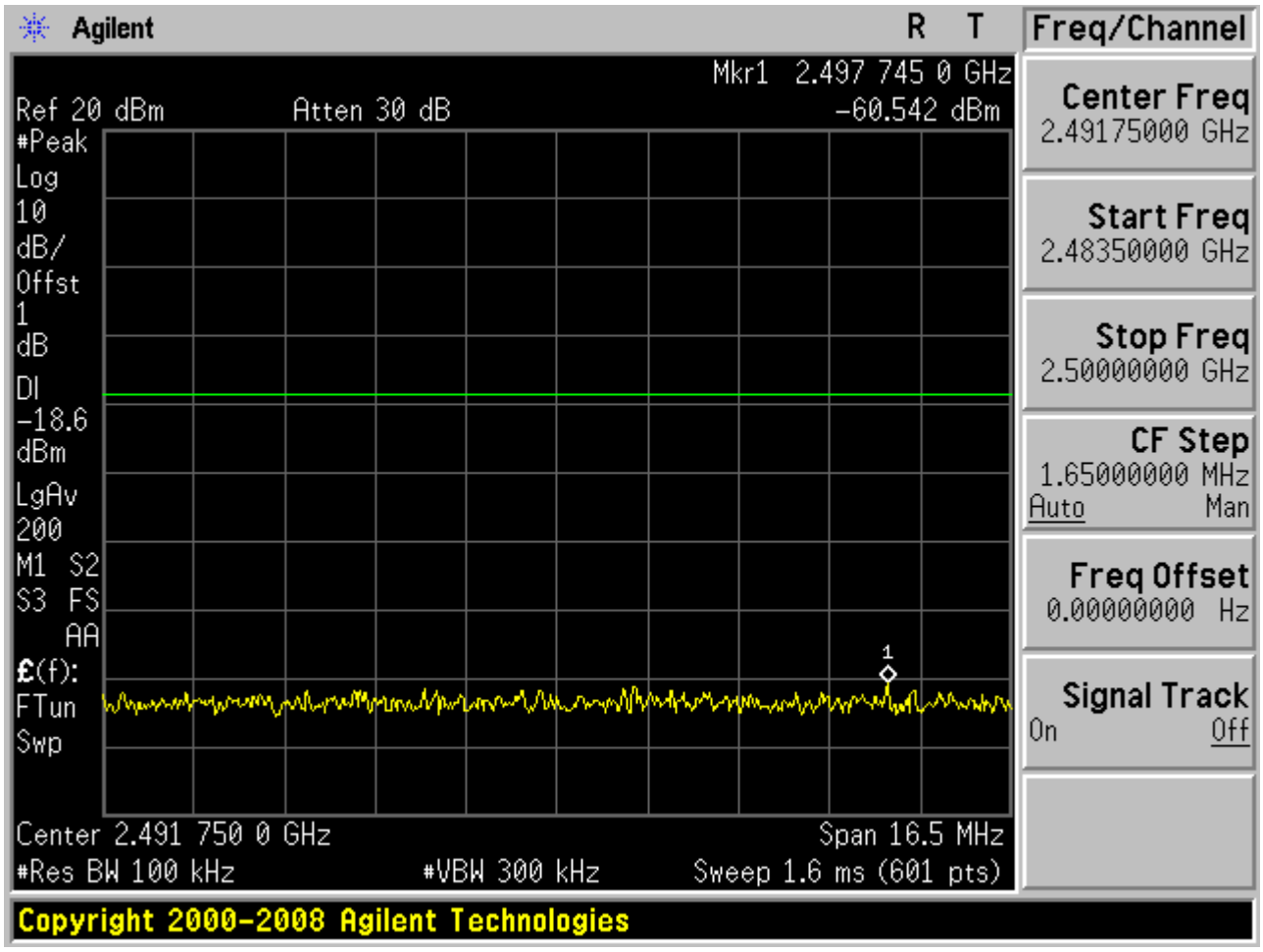
2.2.2 Puw

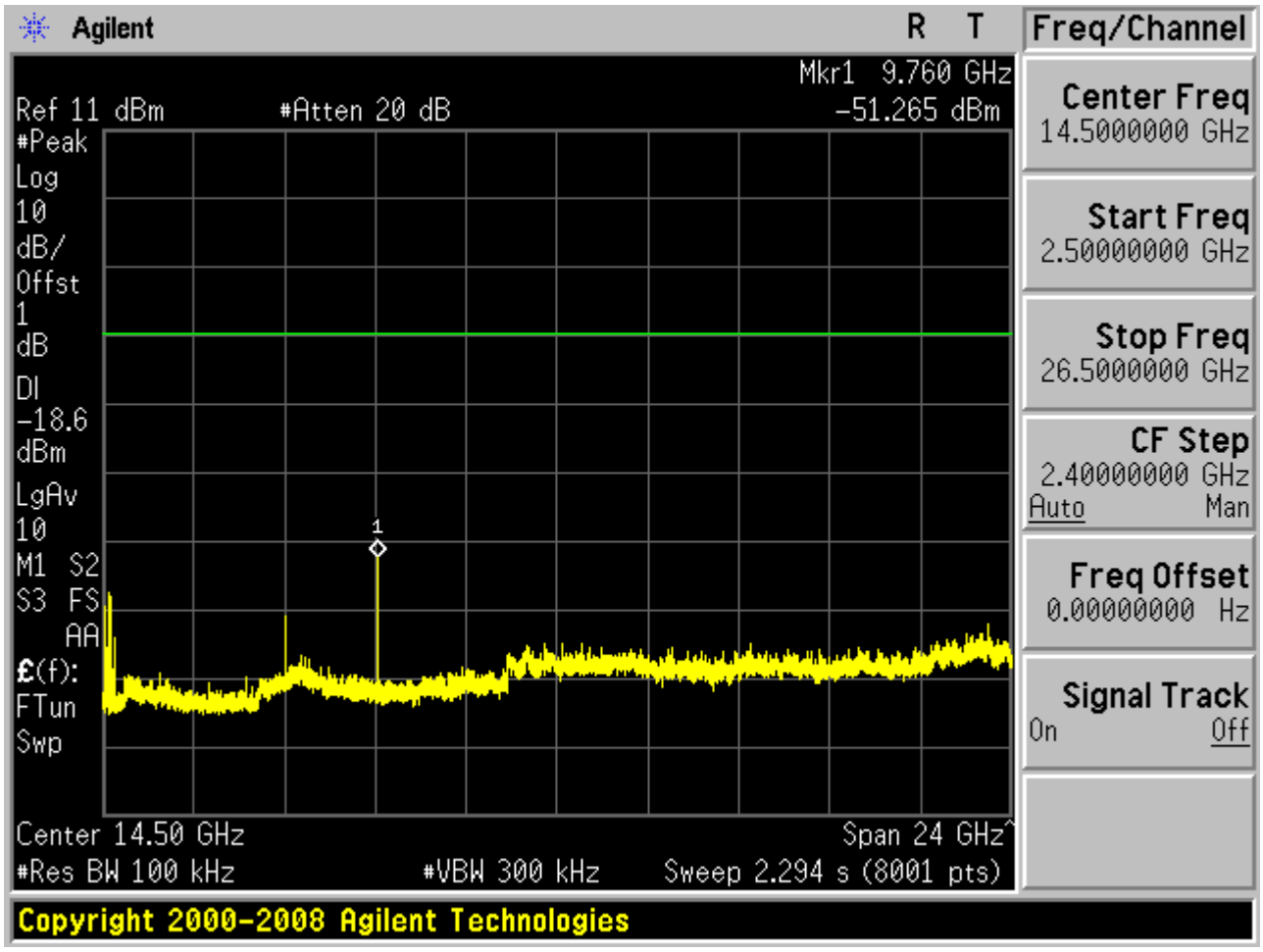






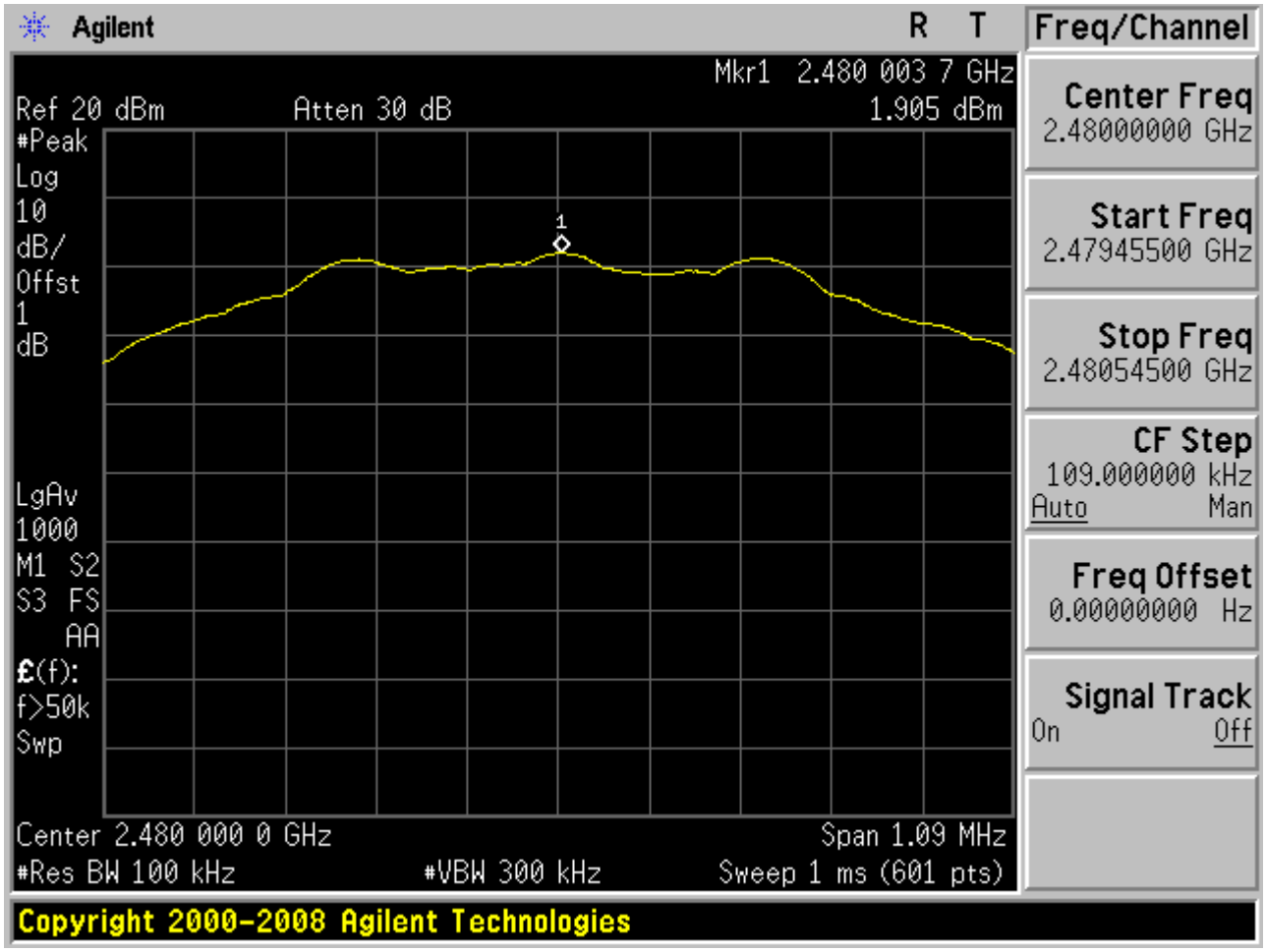




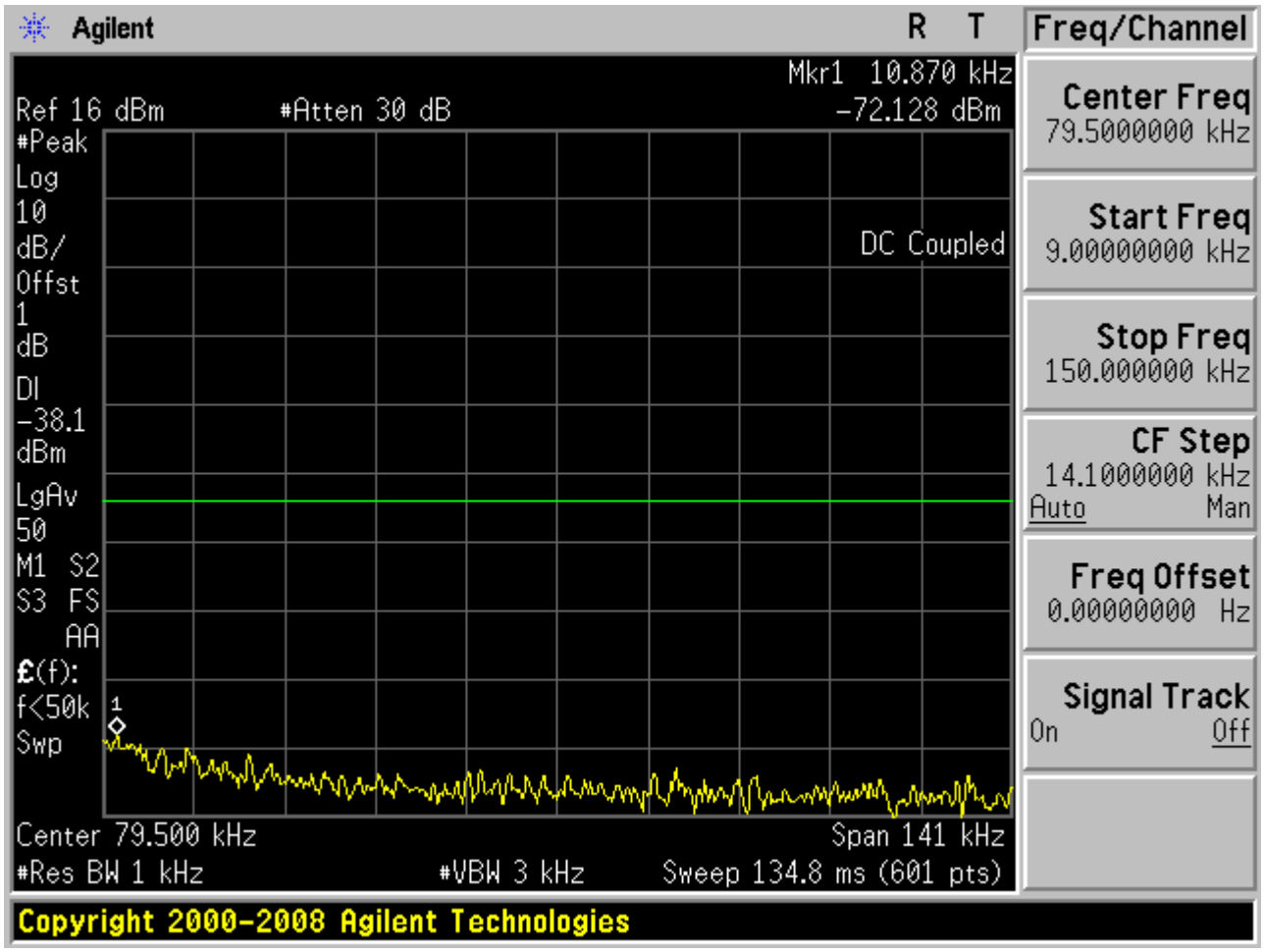


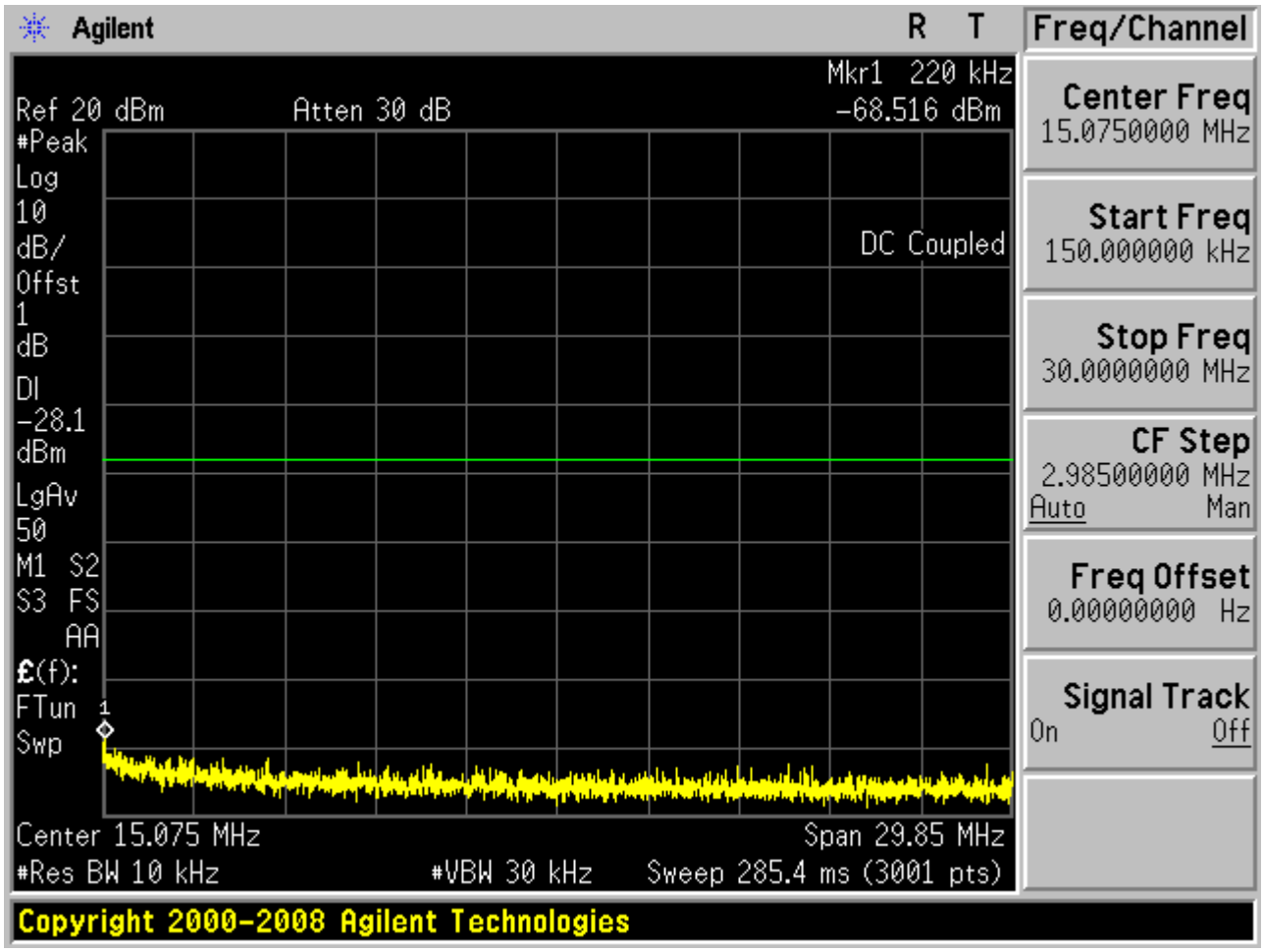
2.3 TM1_DH5_Ch39

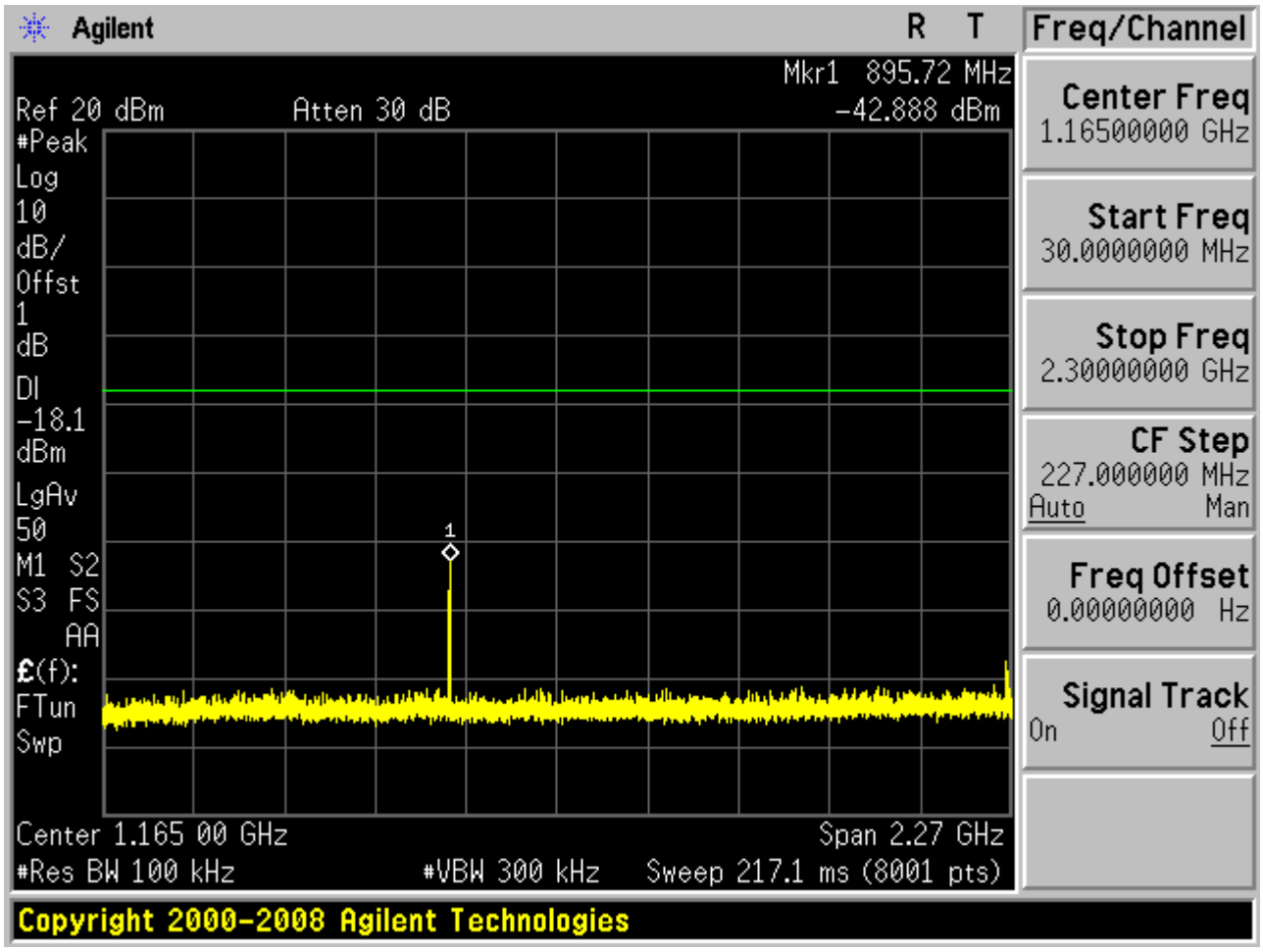
2.3.1 Pref

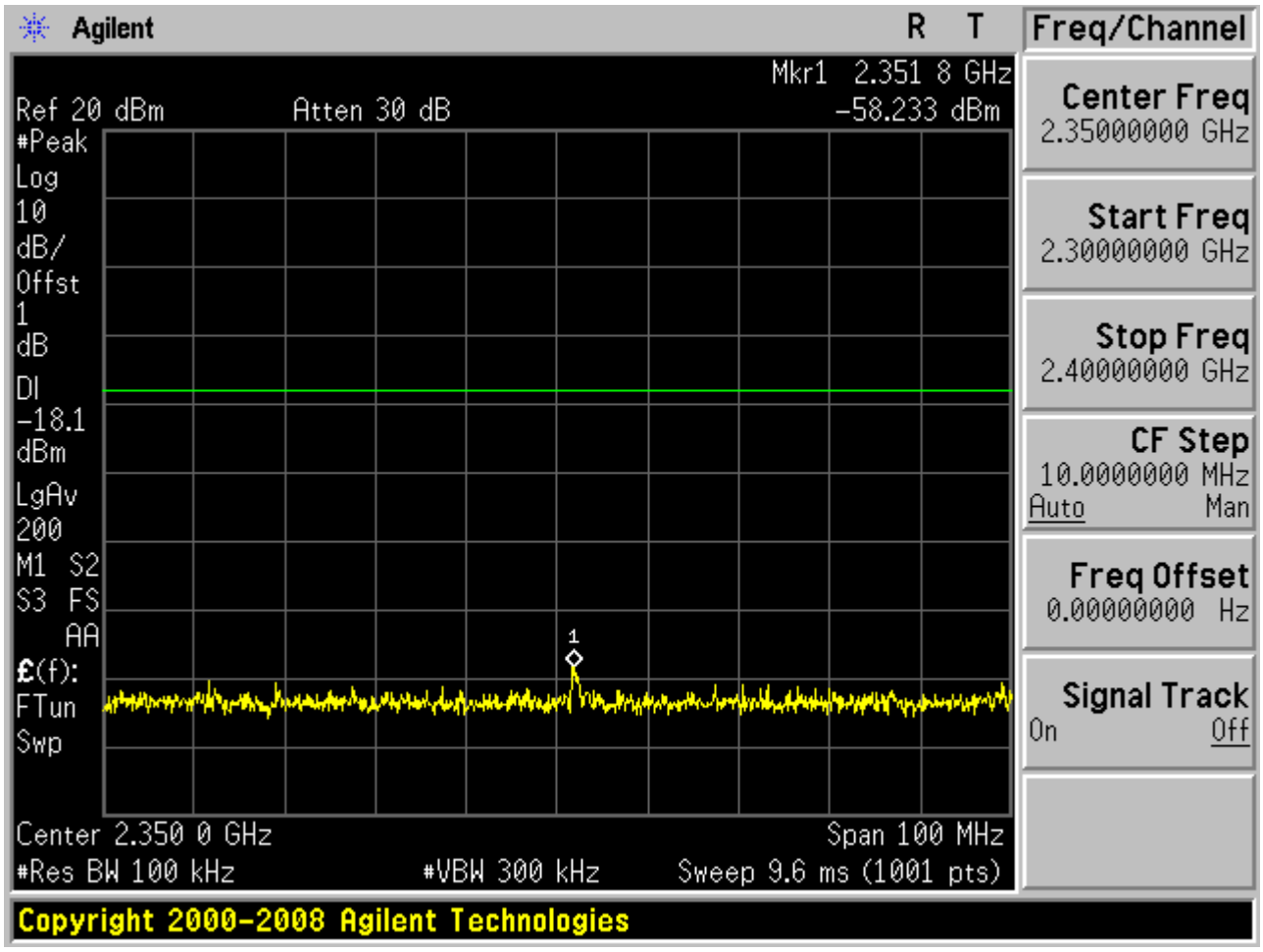


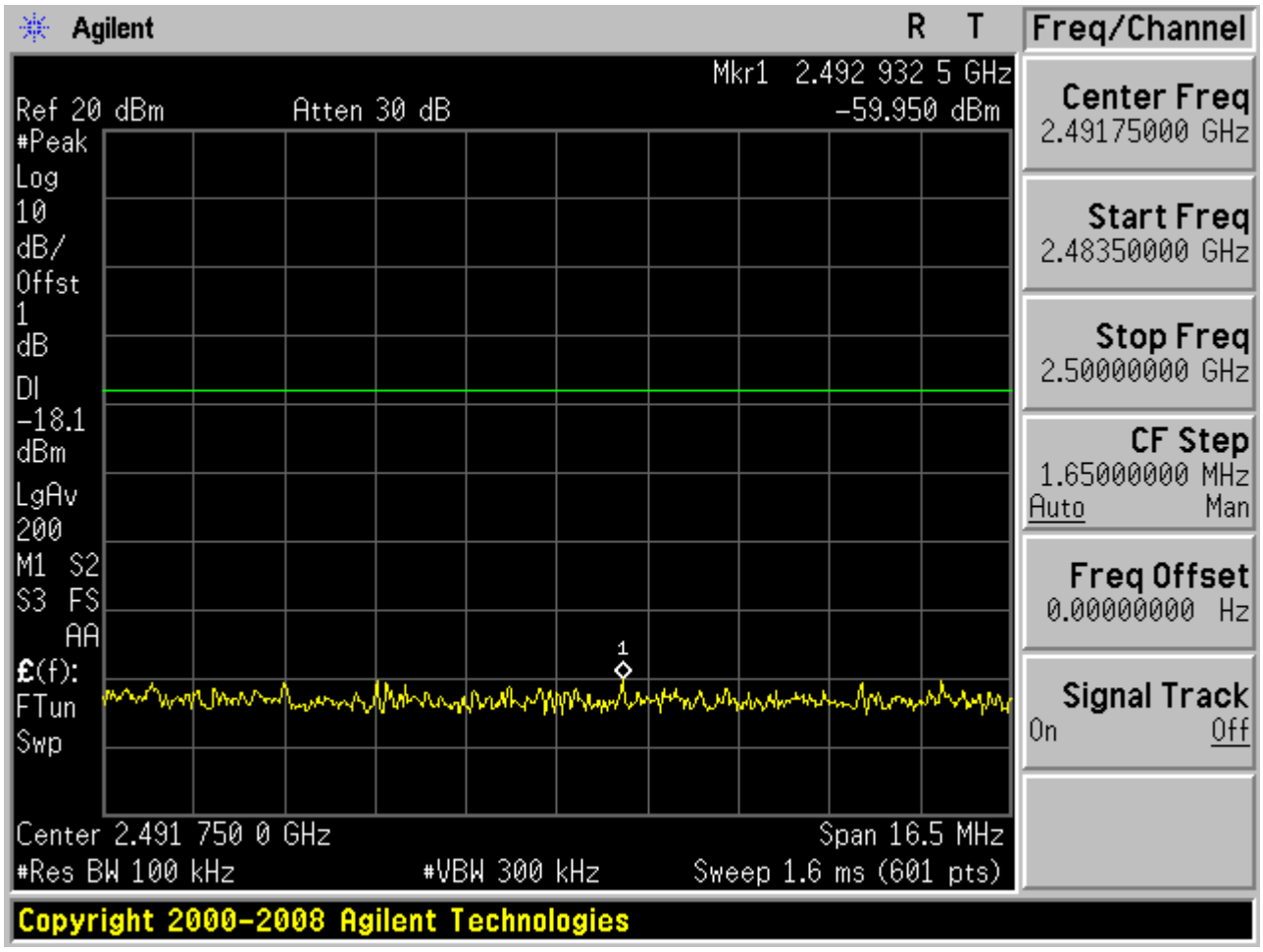
2.3.2 Puw

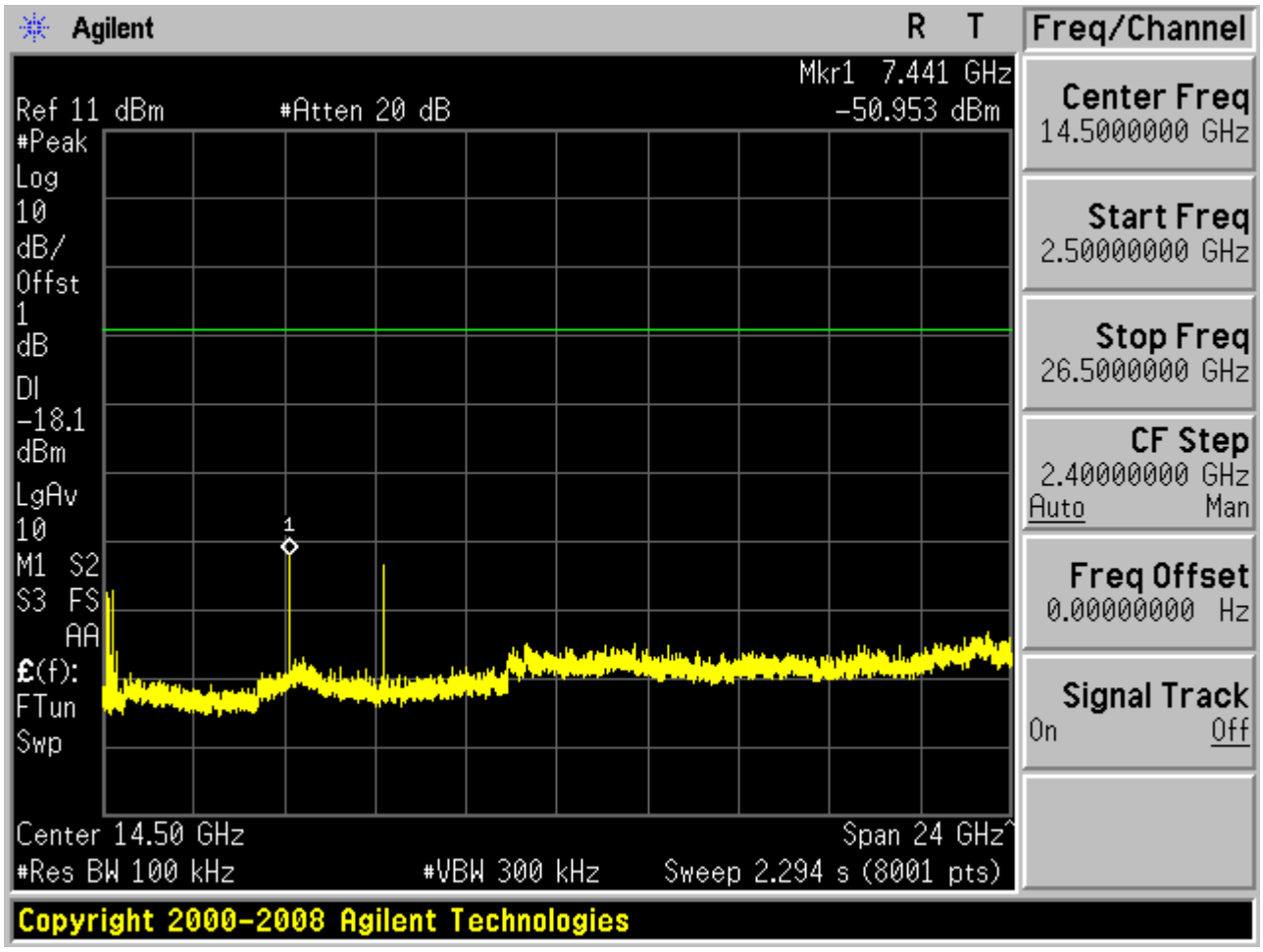










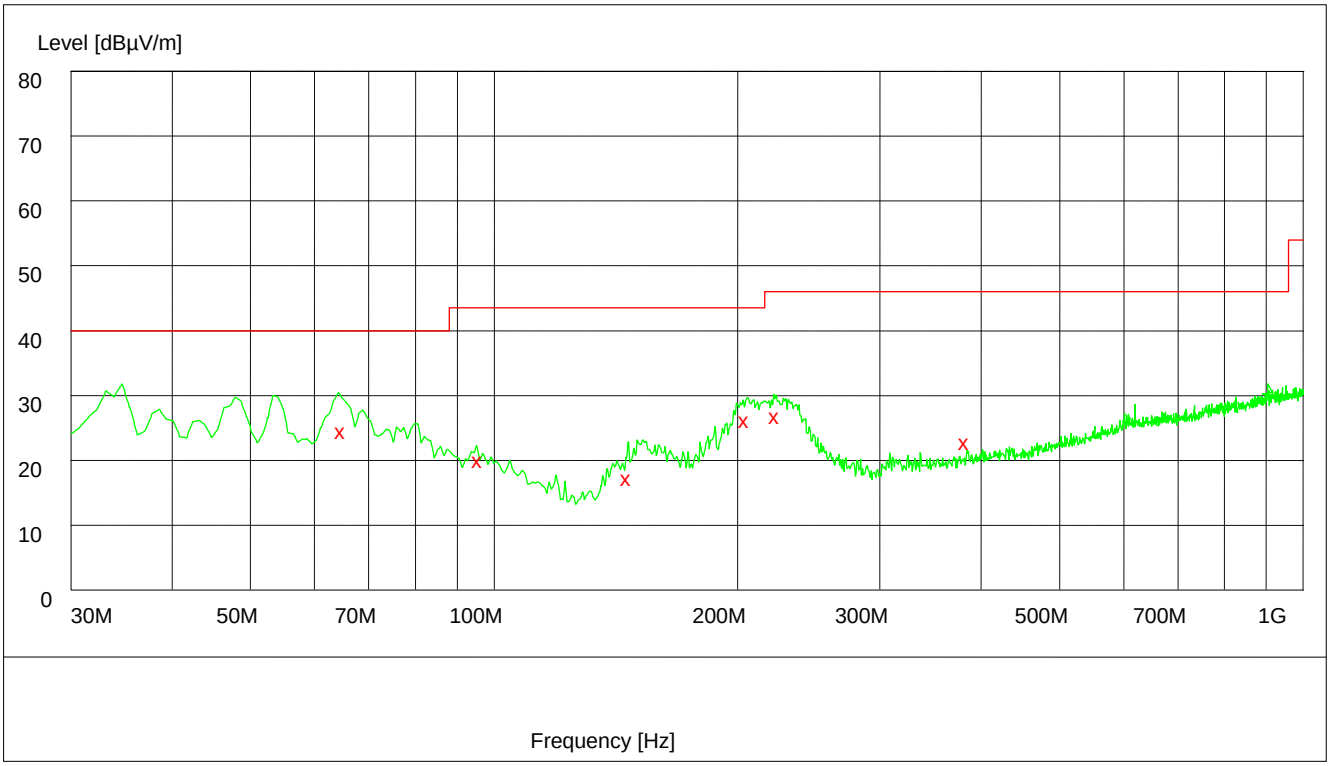


Appendix F: Radiated spurious emission

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.

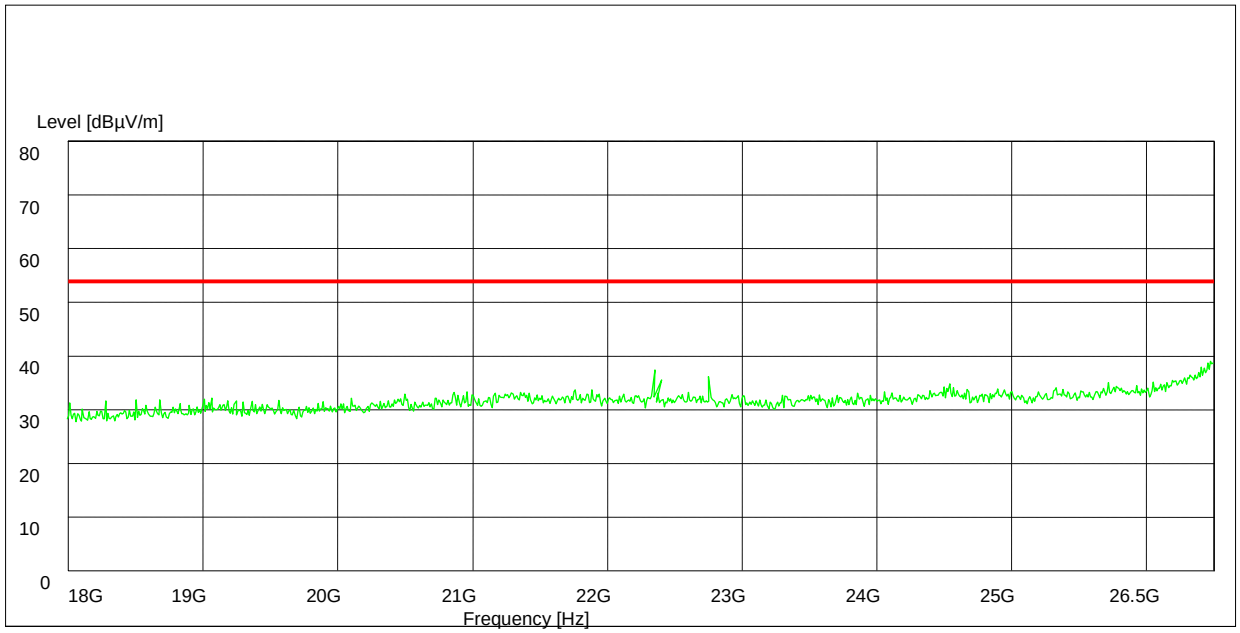
Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
64.980000	26.00	11.6	40.0	14.0	100.0	117.00	VERTICAL
95.940000	21.50	12.9	43.5	22.0	103.0	21.00	VERTICAL
146.760000	18.60	9.9	43.5	24.9	117.0	95.00	VERTICAL
204.840000	27.70	12.6	43.5	15.8	100.0	167.00	VERTICAL
223.440000	28.30	13.1	46.0	17.7	100.0	326.00	HORIZONTAL
383.820000	24.30	17.2	46.0	21.7	119.0	296.00	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"

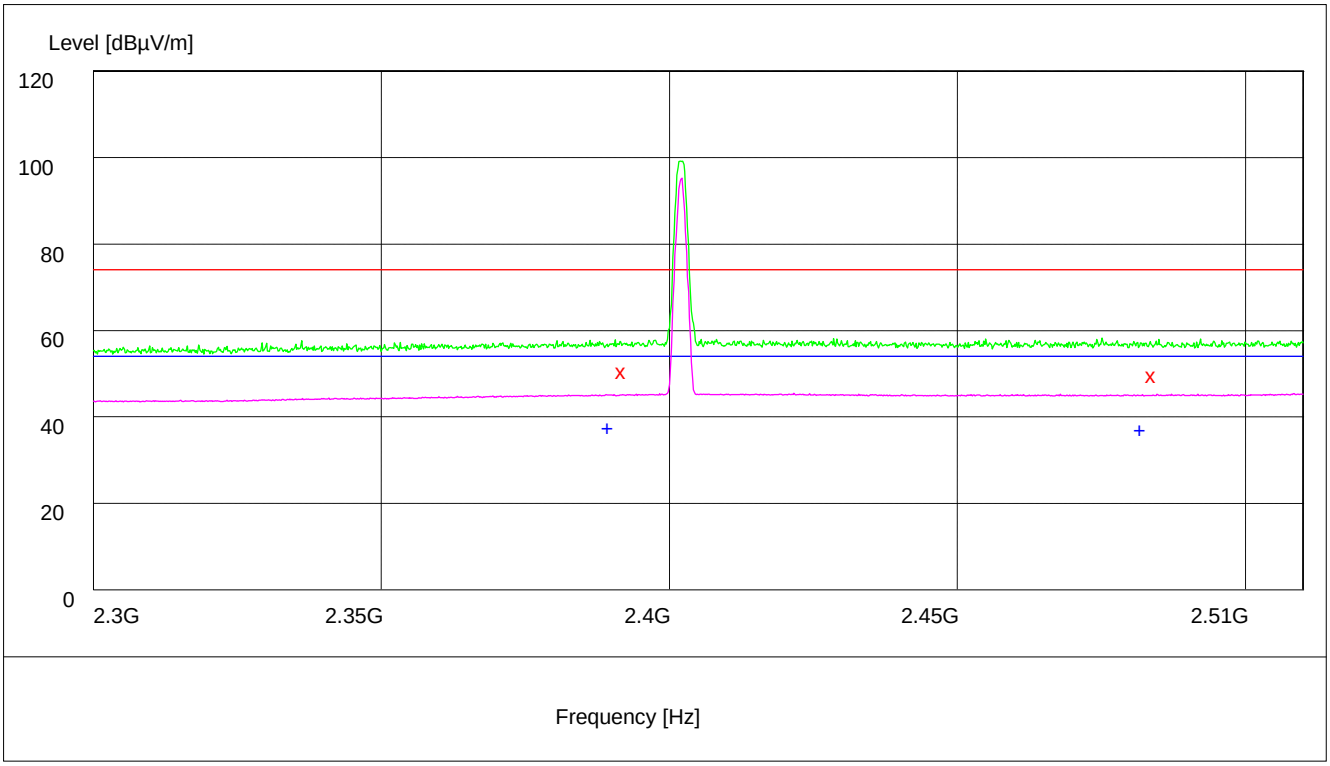
Note 1: The testing range of "2.3 GHz to 2.5 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 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 00



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

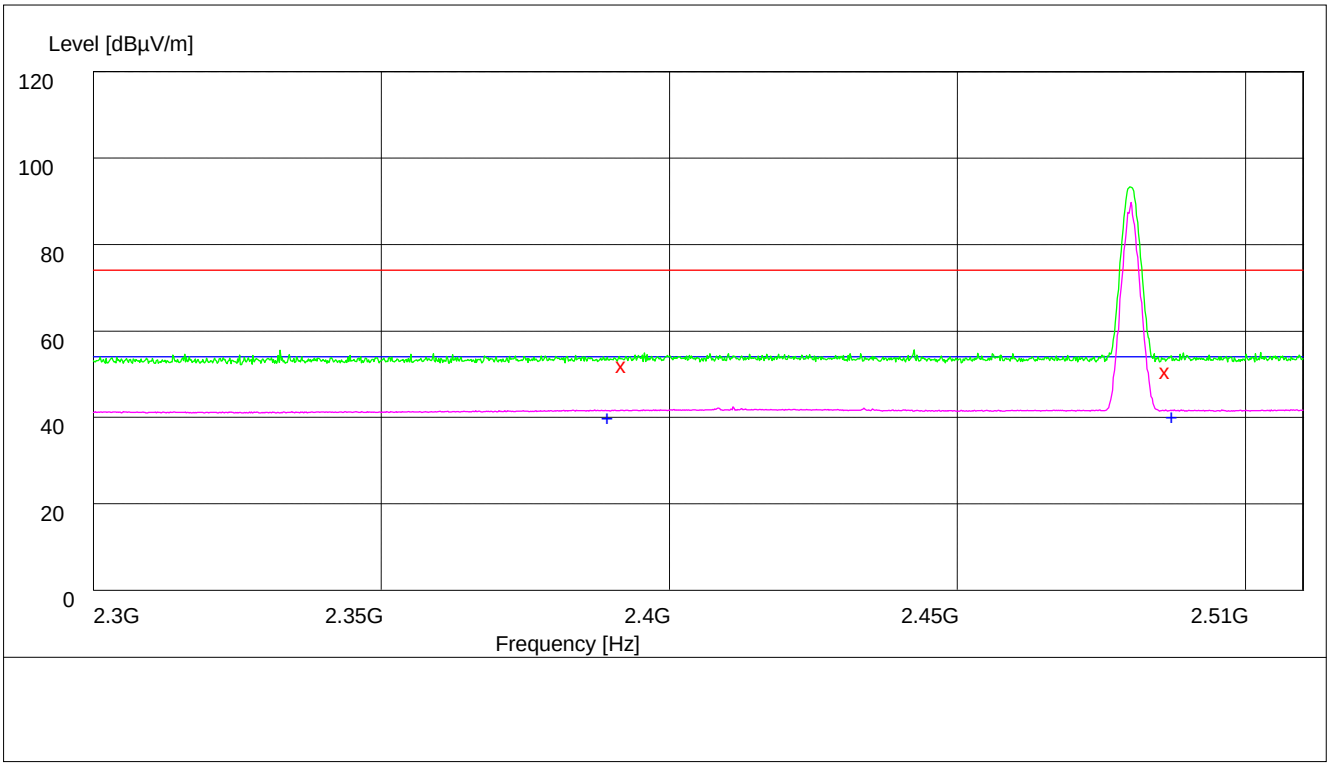
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2392.000000	52.70	34.7	74.0	21.3	182.0	104.00	HORIZONTAL
2484.000000	51.80	35.0	74.0	22.2	117.0	20.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2389.500000	39.40	34.7	54.0	14.6	105.0	360.00	HORIZONTAL
2482.000000	39.20	35.0	54.0	14.8	186.0	246.00	VERTICAL

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
2390.500000	52.80	34.7	74.0	21.2	140.0	59.00	VERTICAL
2486.500000	52.80	35.0	74.0	21.2	163.0	170.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

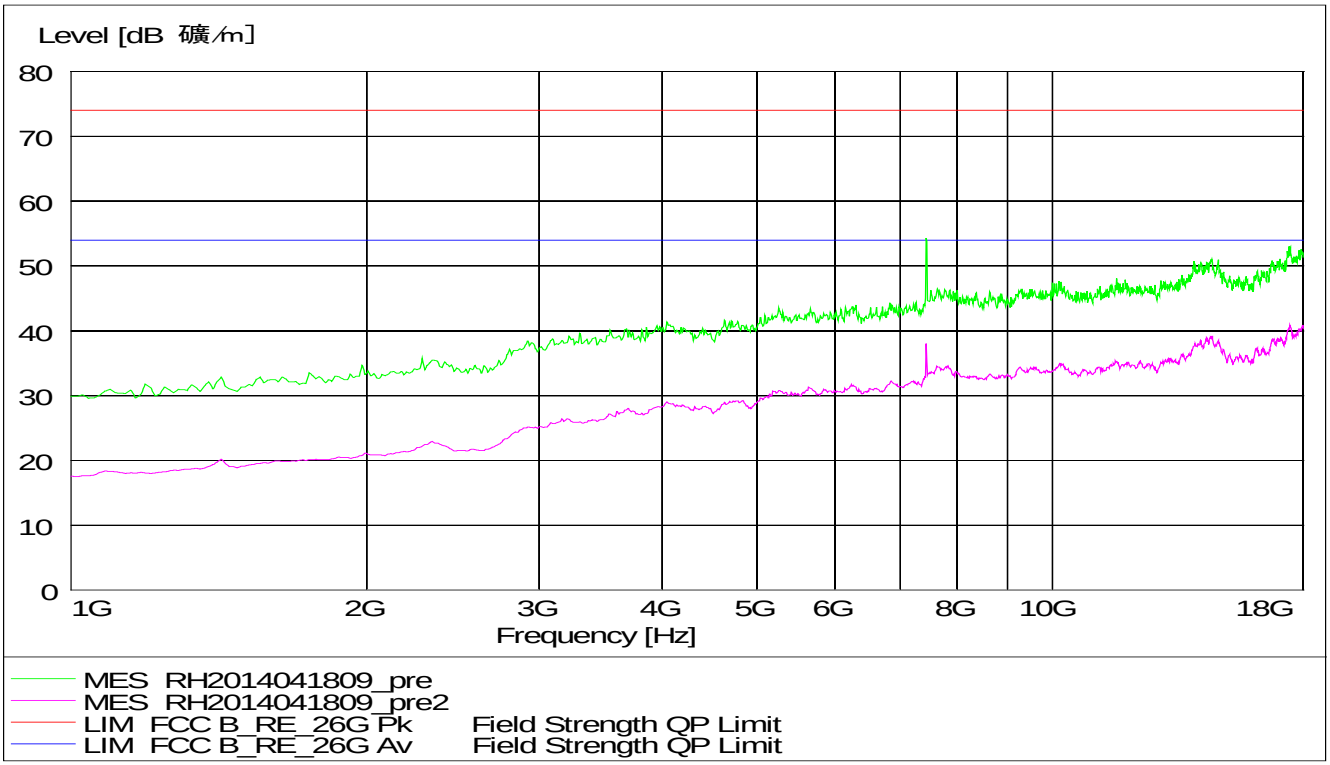
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	39.30	34.7	54.0	14.7	121.0	359.00	HORIZONTAL
2485.000000	39.50	35.0	54.0	14.5	100.0	140.00	VERTICAL

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.

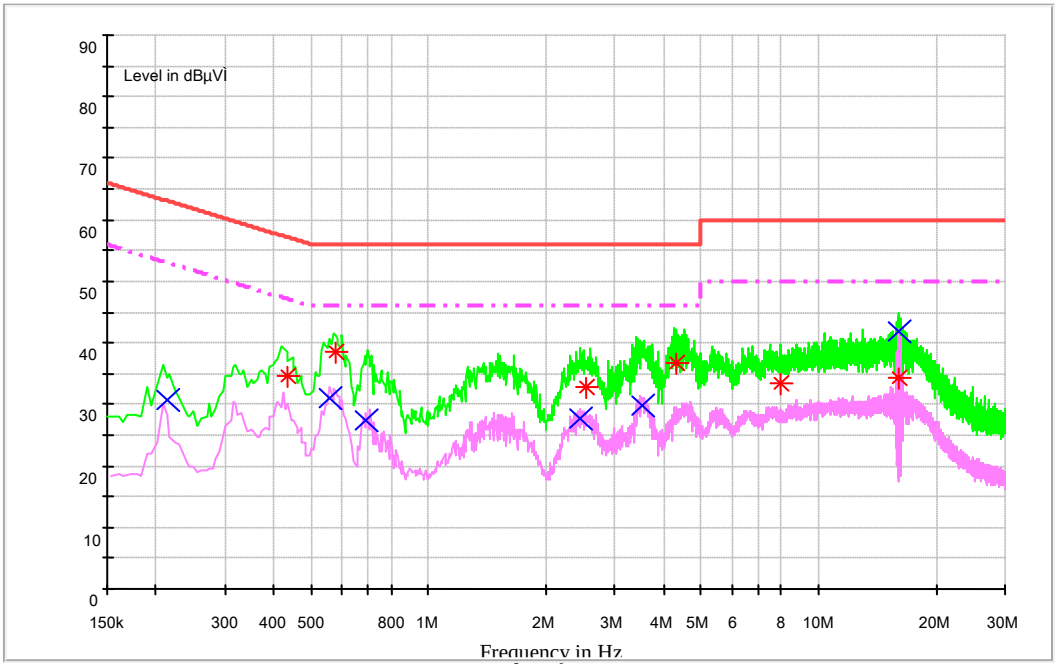
Note 2: The testing range of "1 GHz to 18 GHz" is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

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: Conducted Emission at Power Port

Channel 19



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Line	Transd dB	Margin dB	Limit dBµV	PE
0.435056	34.6	N	9.7	22.6	57.2	FLO
0.579948	38.4	N	9.7	17.6	56.0	FLO
2.543532	32.9	N	9.7	23.1	56.0	FLO
4.318628	36.6	L1	9.8	19.4	56.0	FLO
7.930924	33.5	N	9.9	26.5	60.0	FLO
16.075279	34.4	N	10.1	25.6	60.0	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Line	Transd dB	Margin dB	Limit dBµV	PE
0.213267	30.6	N	9.7	22.5	53.1	FLO
0.555803	30.9	N	9.7	15.1	46.0	FLO
0.691781	27.5	L1	9.7	18.5	46.0	FLO
2.442308	27.7	L1	9.7	18.3	46.0	FLO
3.546570	29.8	N	9.7	16.2	46.0	FLO
16.067696	41.9	N	10.1	8.1	50.0	FLO

END