



Appendix A: 6dB Emission Bandwidth (EBW)



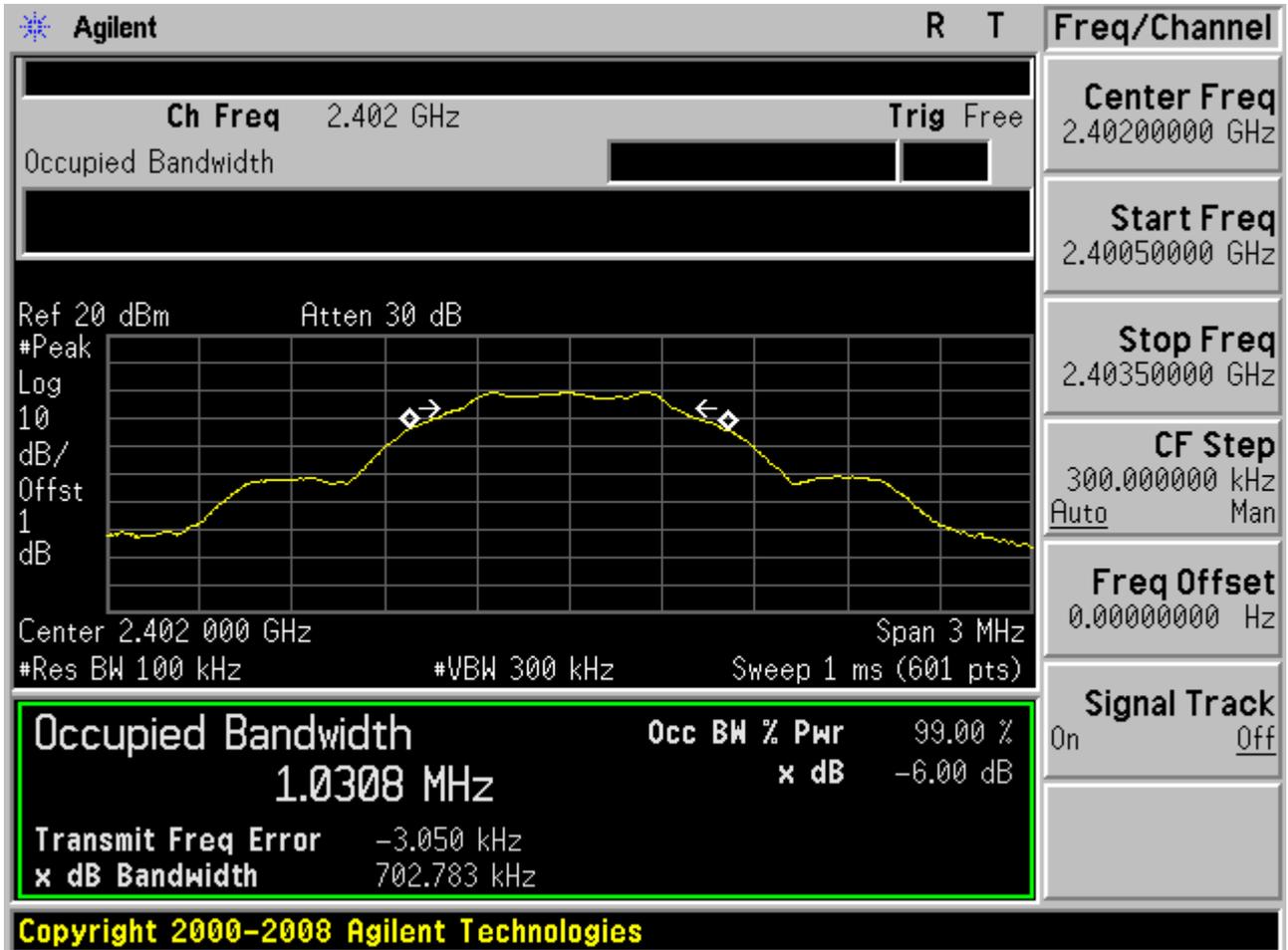
1 Result Table

| EUT Conf. | EBW [KHz] | Verdict |
|--------------|-----------|---------|
| TM1_DH5_Ch0 | 702.78 | Pass |
| TM1_DH5_Ch19 | 695.67 | Pass |
| TM1_DH5_Ch39 | 705.80 | Pass |



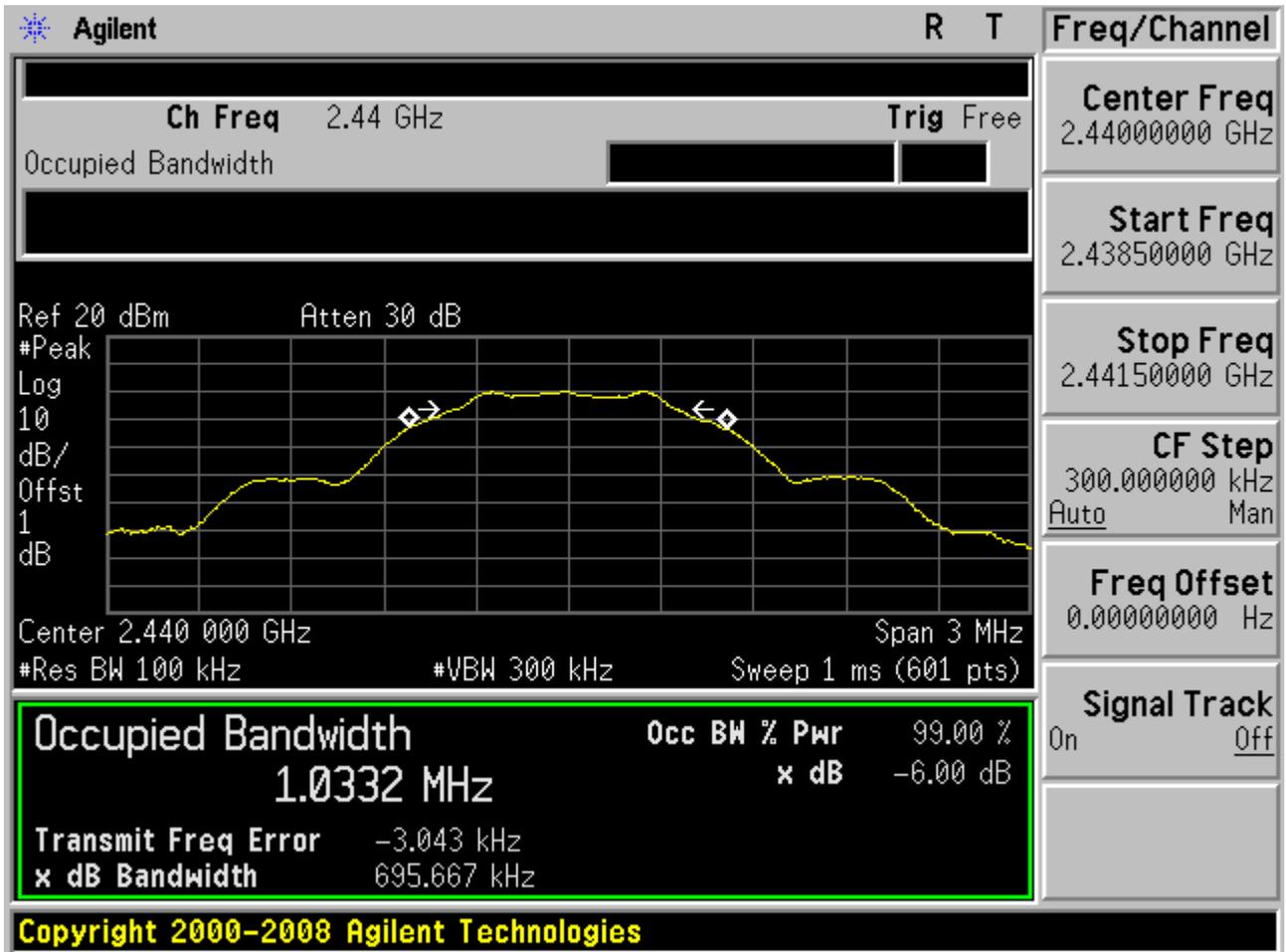
2 Test Plot

2.1 TM1_DH5_Ch0



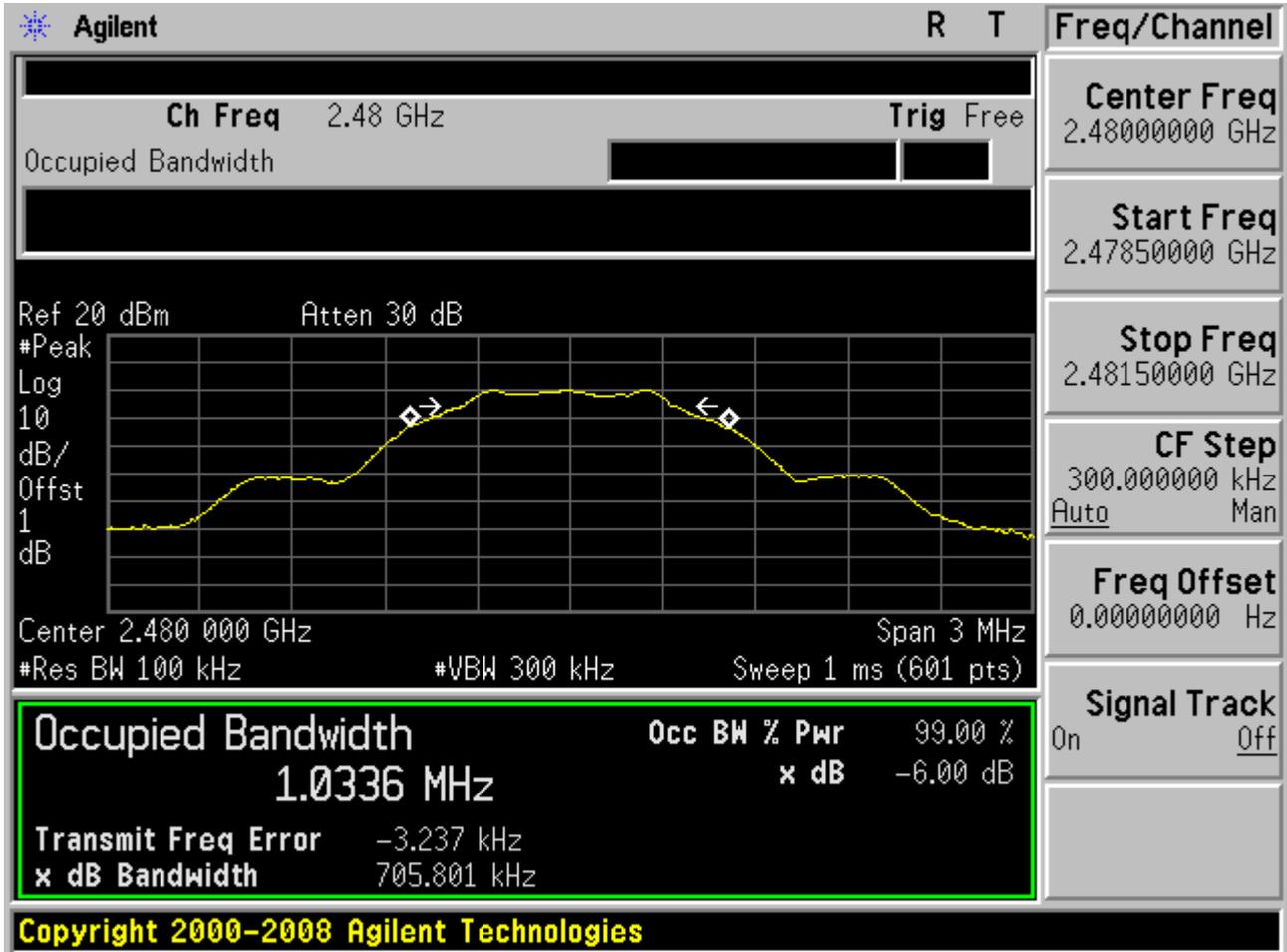


2.2 TM1_DH5_Ch19





2.3 TM1_DH5_Ch39





Appendix B: Maximum Peak Conducted Output Power



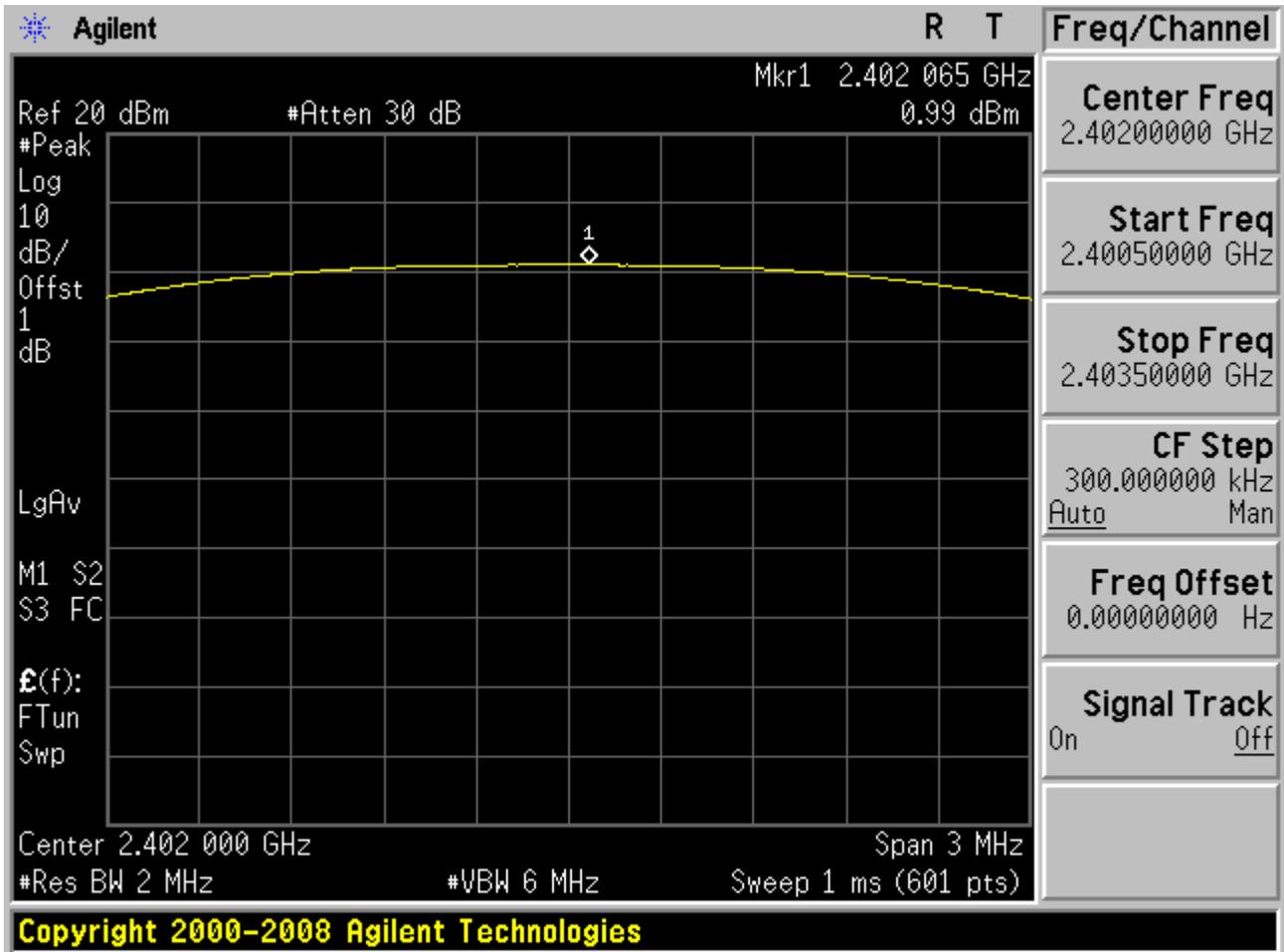
1 Result Table

| EUT Conf. | Max. Peak Power [dBm] | Verdict |
|--------------|-----------------------|---------|
| TM1_DH5_Ch0 | 0.99 | Pass |
| TM1_DH5_Ch19 | 1.21 | Pass |
| TM1_DH5_Ch39 | 0.87 | Pass |



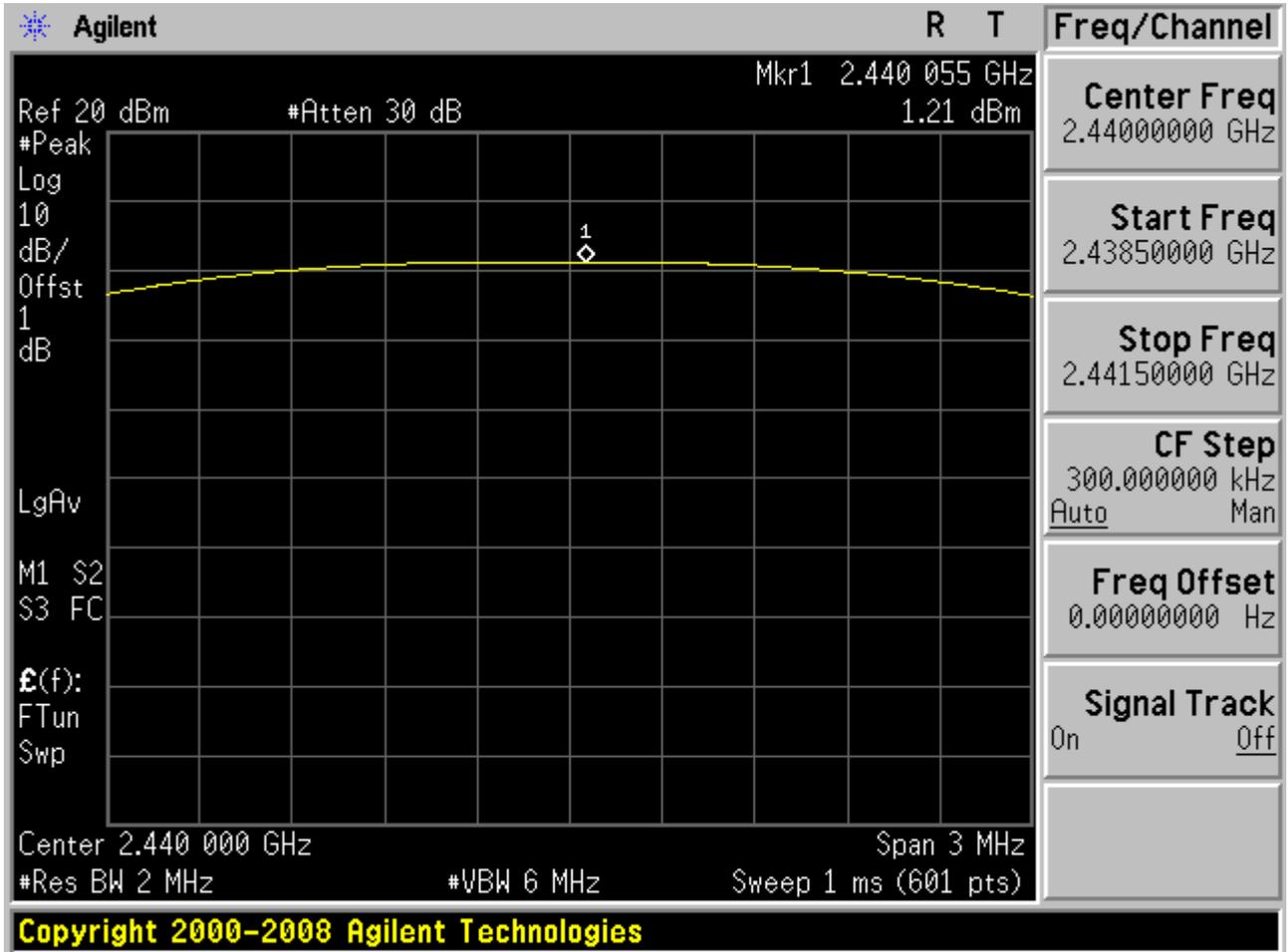
2 Test Plot

2.1 TM1_DH5_Ch0



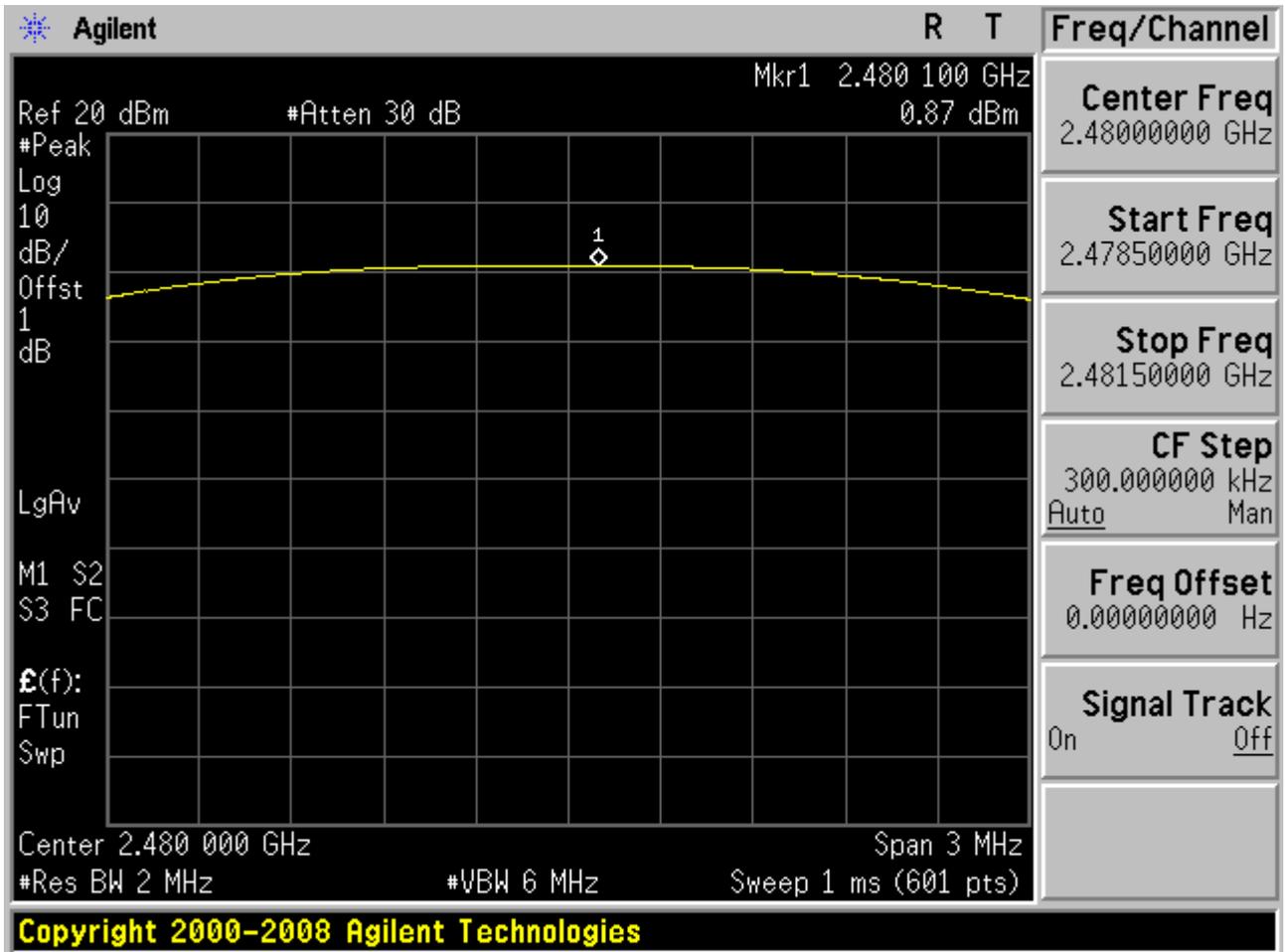


2.2 TM1_DH5_Ch19





2.3 TM1_DH5_Ch39





Appendix C: Maximum Power Spectral Density Level



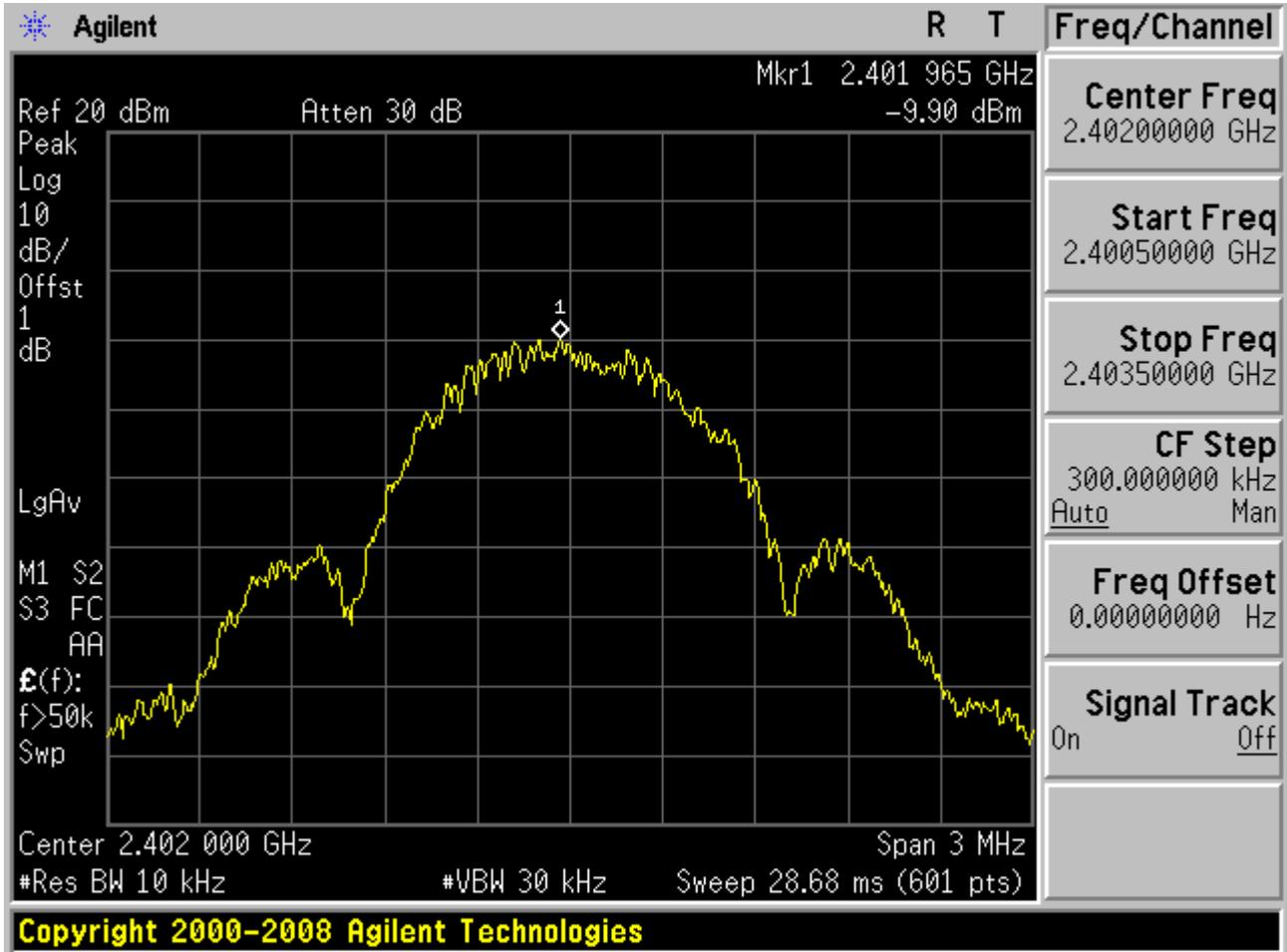
1 Result Table

| EUT Conf. | Max. Power Spectral Density Level [dBm] | Verdict |
|--------------|---|---------|
| TM1_DH5_Ch0 | -9.90 | Pass |
| TM1_DH5_Ch19 | -9.26 | Pass |
| TM1_DH5_Ch39 | -9.18 | Pass |

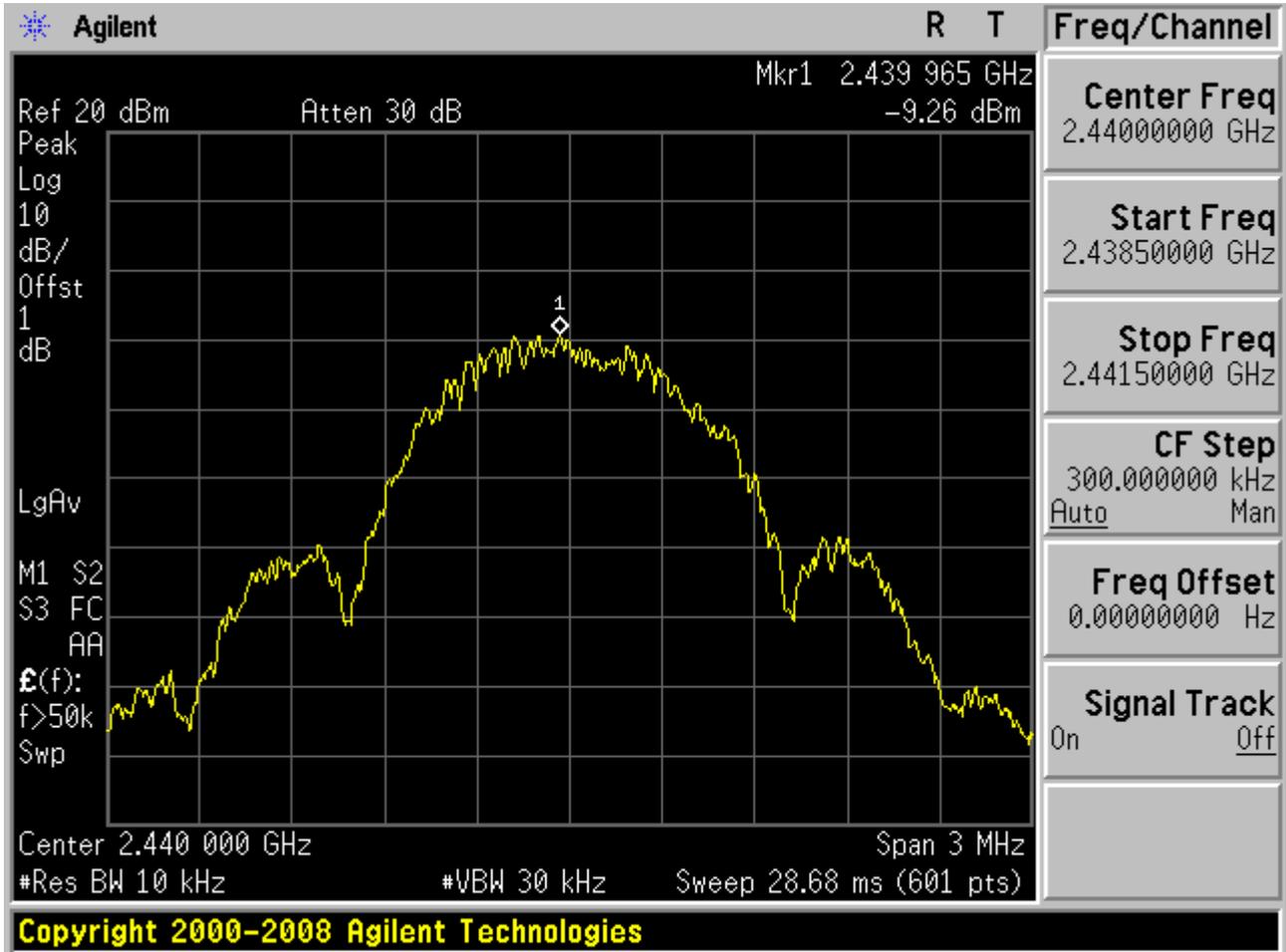


2 Test Plot

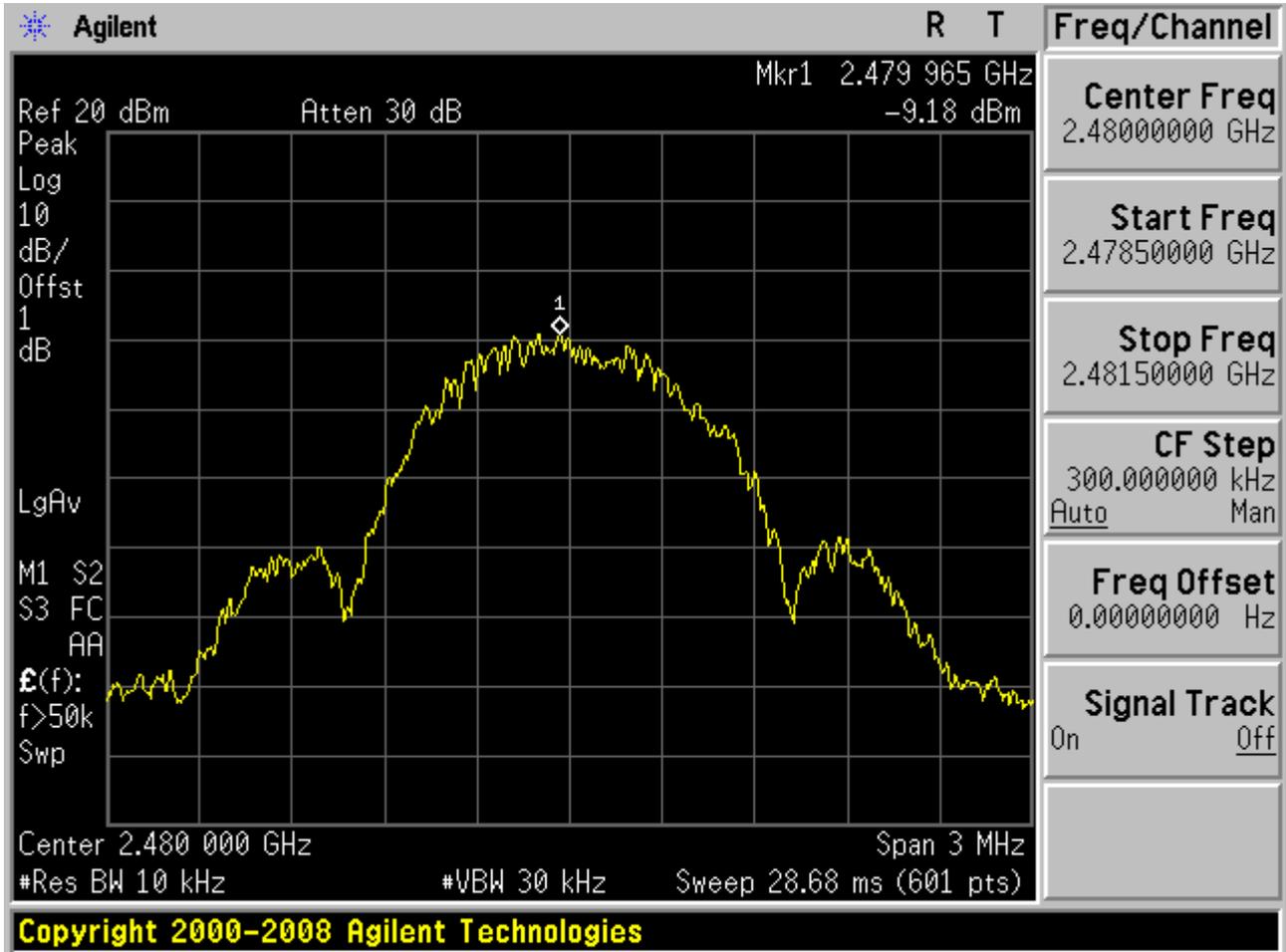
2.1 TM1_DH5_Ch0



2.2 TM1_DH5_Ch19



2.3 TM1_DH5_Ch39





Appendix D: Band edge spurious emission

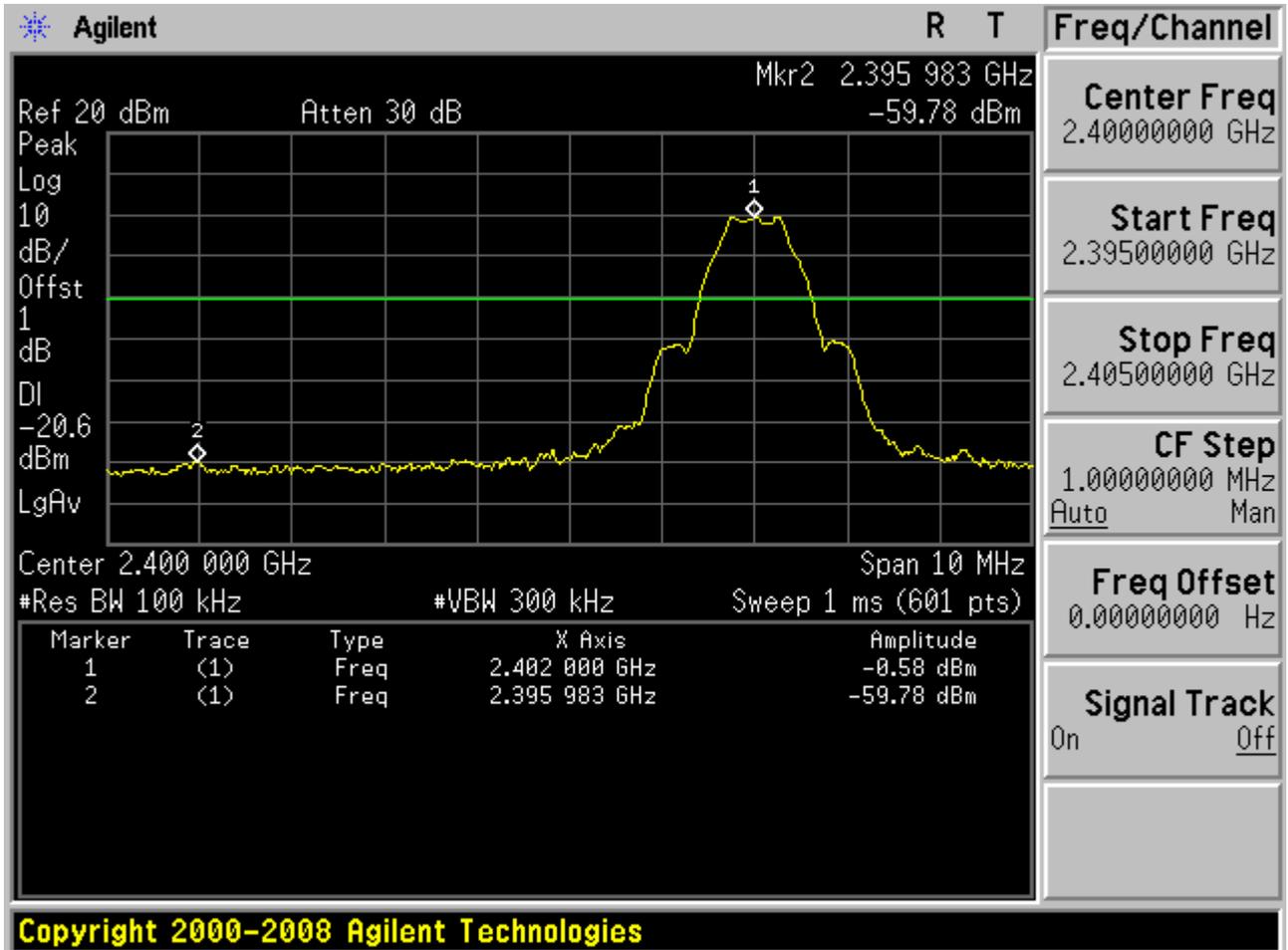


3 Result Table

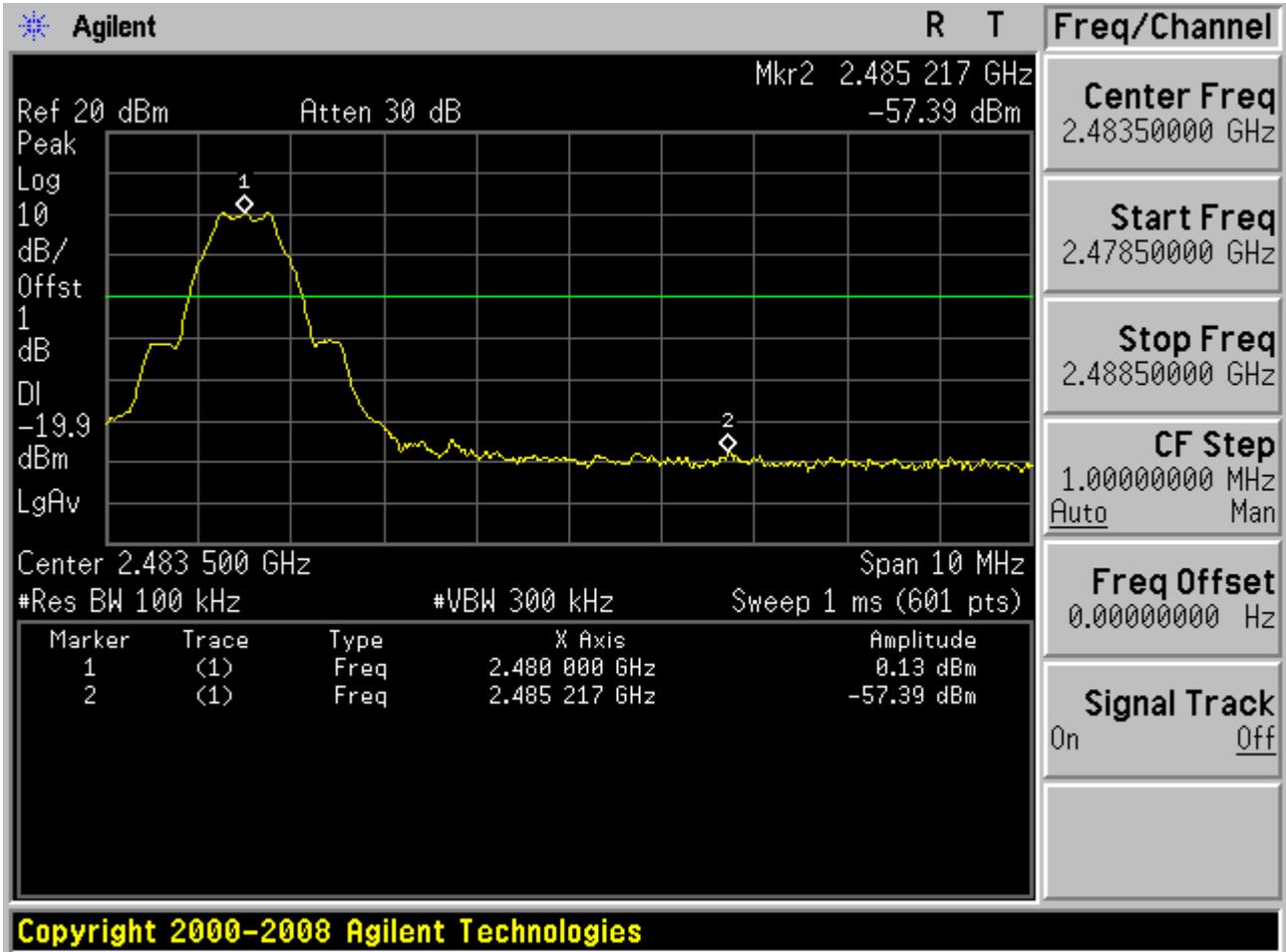
| EUT Conf. | Channel No. | Carrier Frequency [MHz] | Carrier Power [dBm] | Frequency Hopping | Max. Spurious Level [dBm] | Limit [dBm] | Result |
|--------------|-------------|-------------------------|---------------------|-------------------|---------------------------|-------------|--------|
| TM1_DH5_Ch0 | 0 | 2402 | -0.58 | Off | -59.78 | -20.58 | Pass |
| TM1_DH5_Ch39 | 39 | 2480 | 0.13 | Off | -57.39 | -19.87 | 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”.

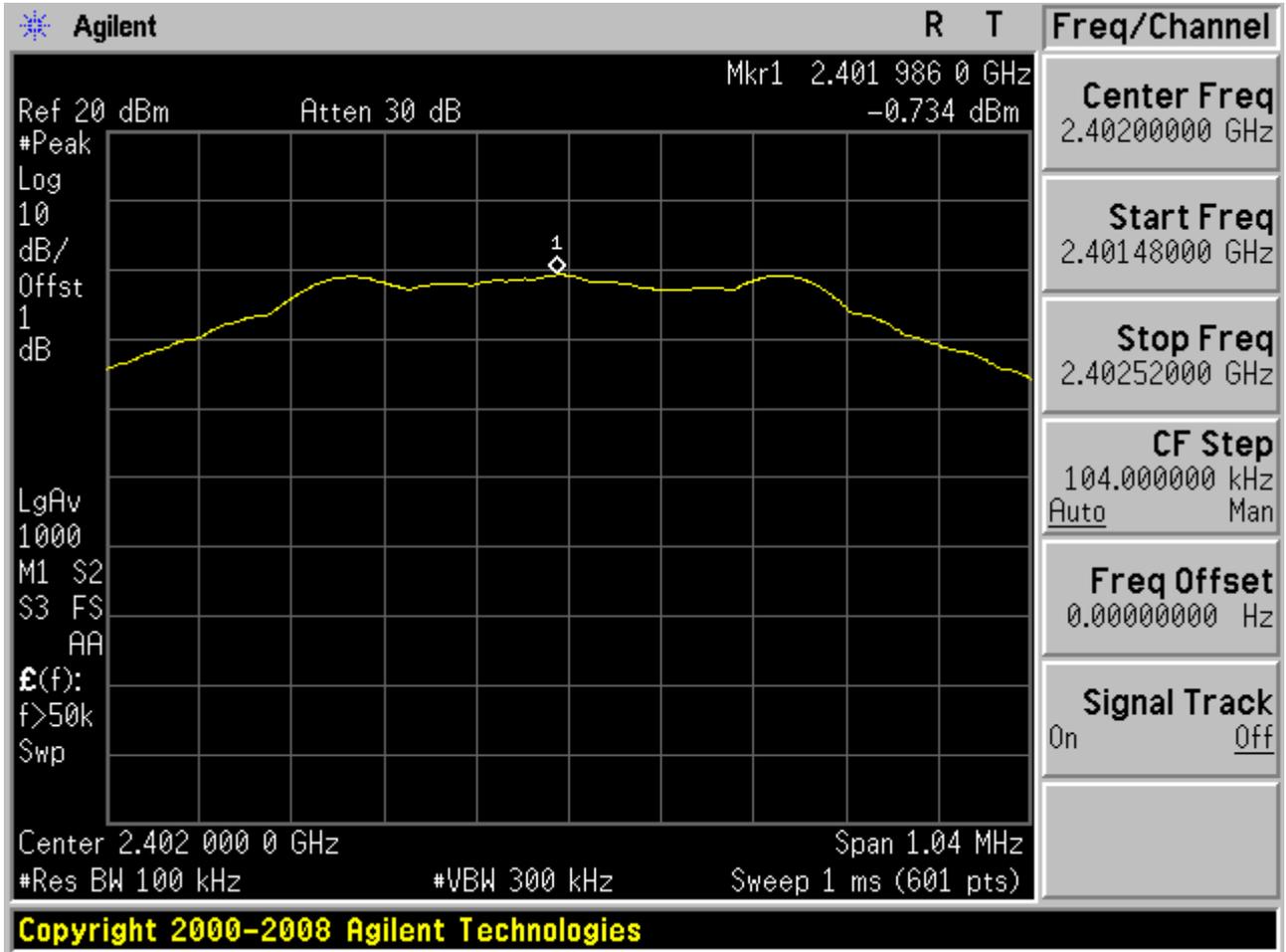
| EUT Conf. | Pref [dBm/100 kHz] | Puw [dBm/100 kHz] | Verdict |
|--------------|--------------------|-------------------|---------|
| TM1_DH5_Ch0 | -0.73 | < Limit | Pass |
| TM1_DH5_Ch39 | -0.12 | < Limit | Pass |
| TM1_DH5_Ch78 | -0.03 | < Limit | Pass |



2 Test Plot

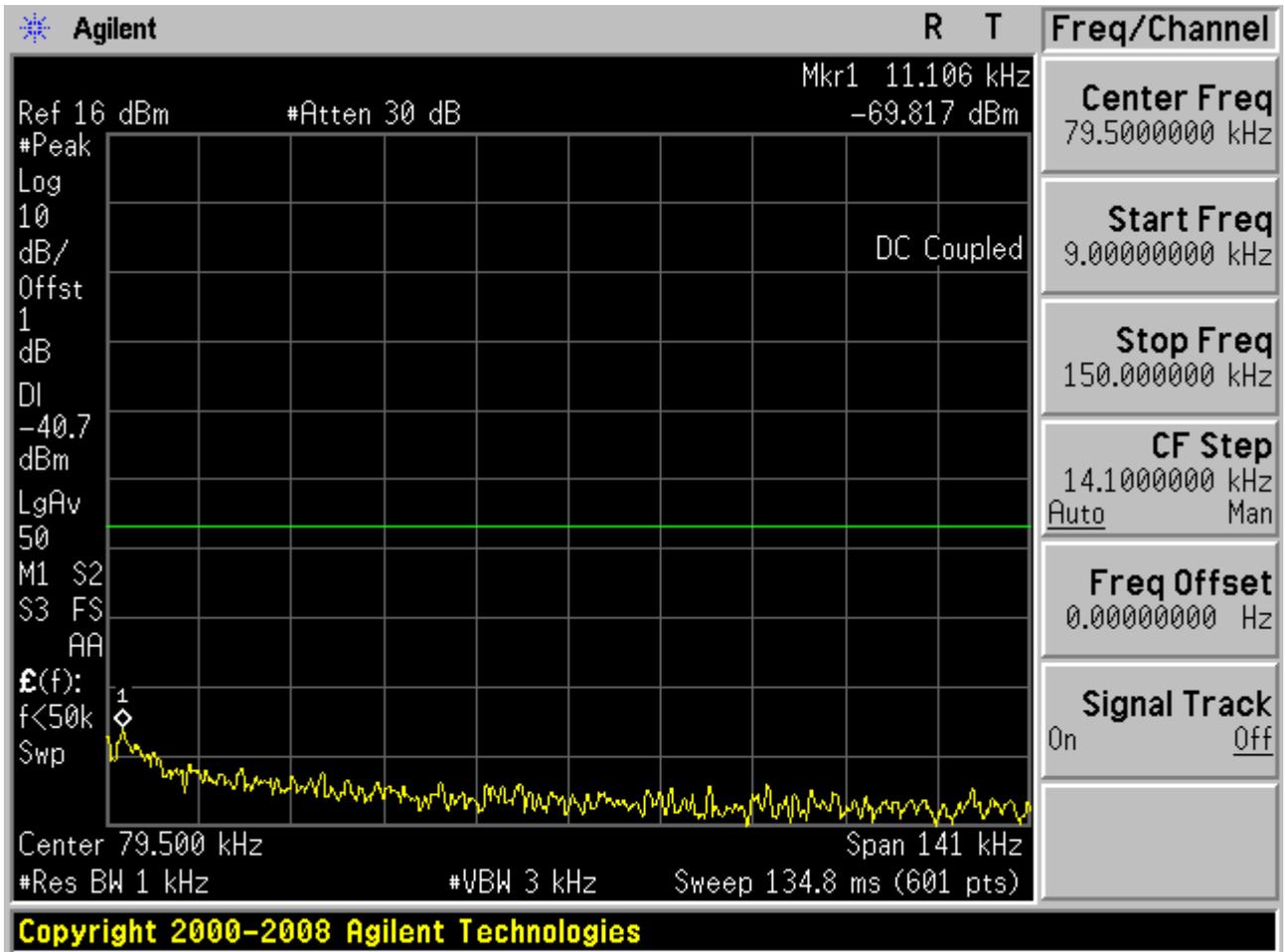
2.1 TM1_DH5_Ch0

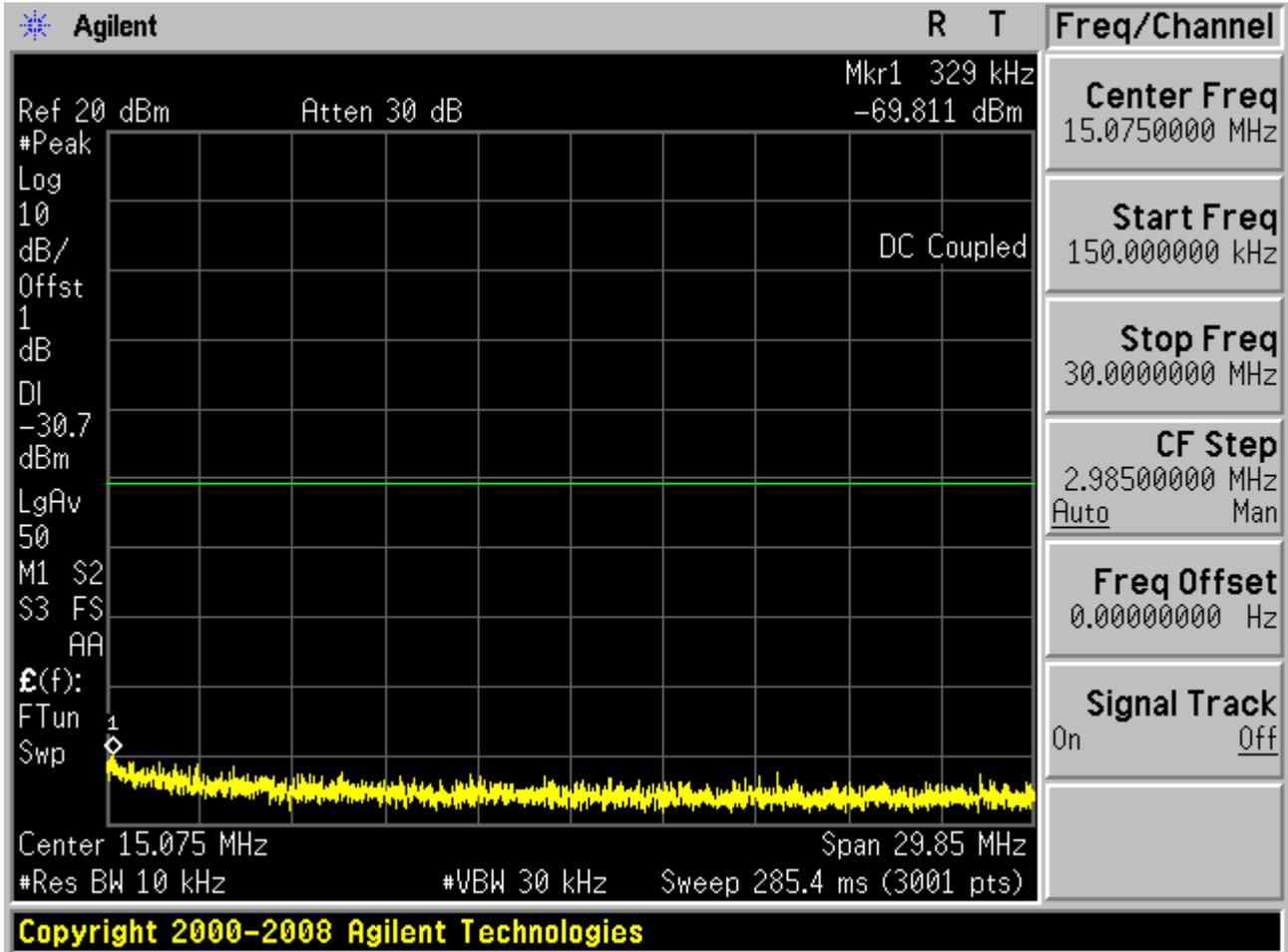
2.1.1 Pref

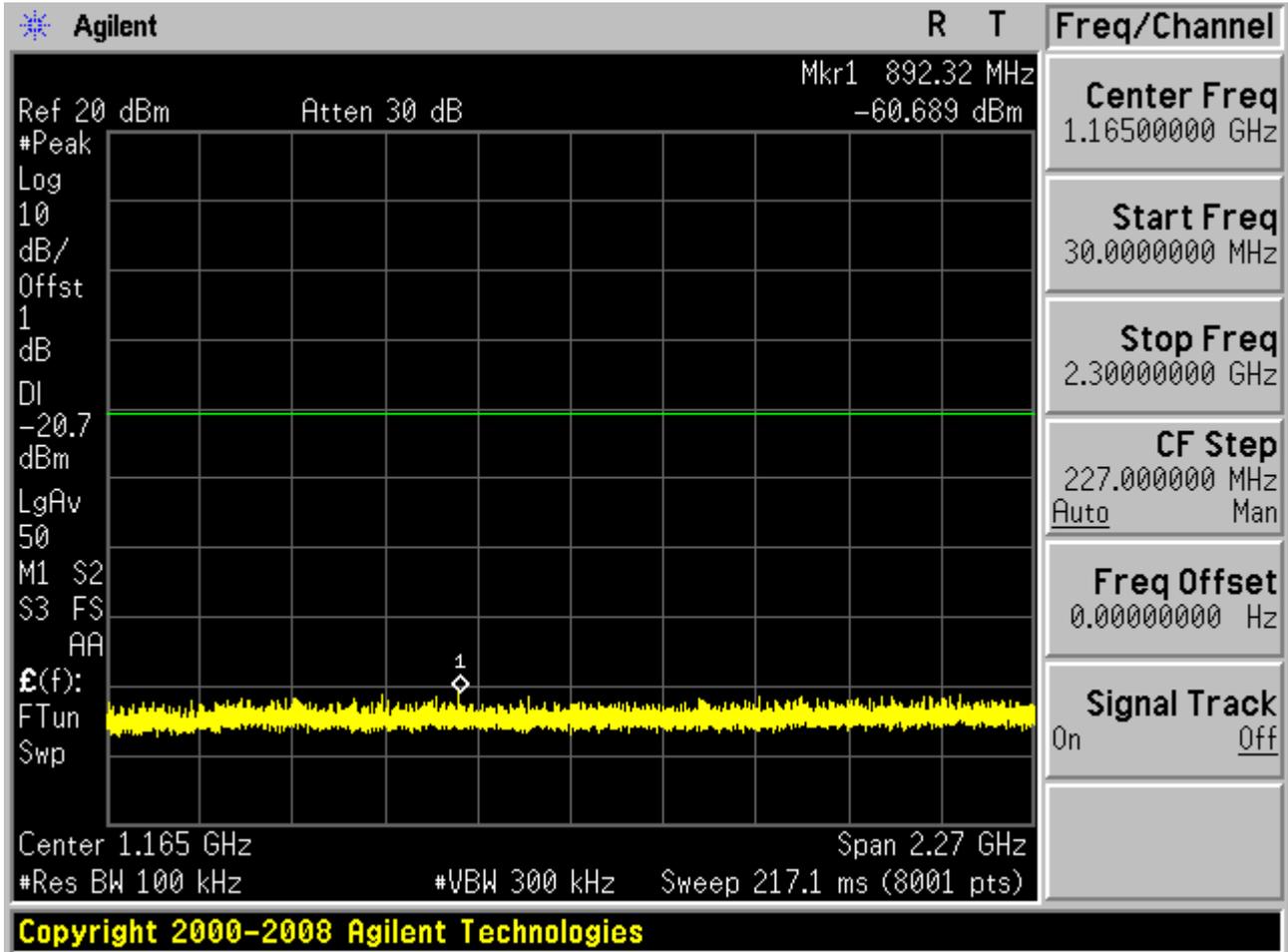


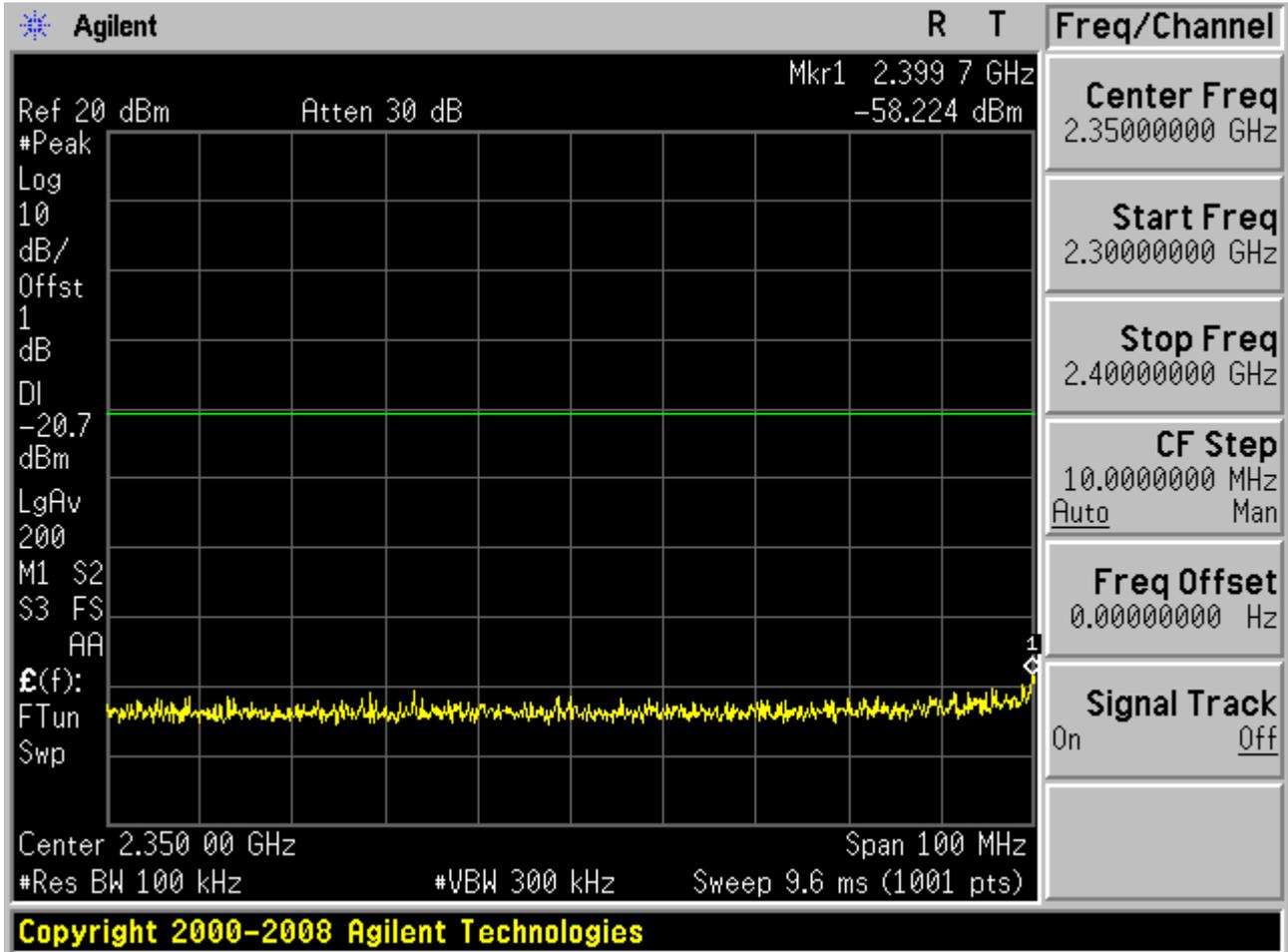


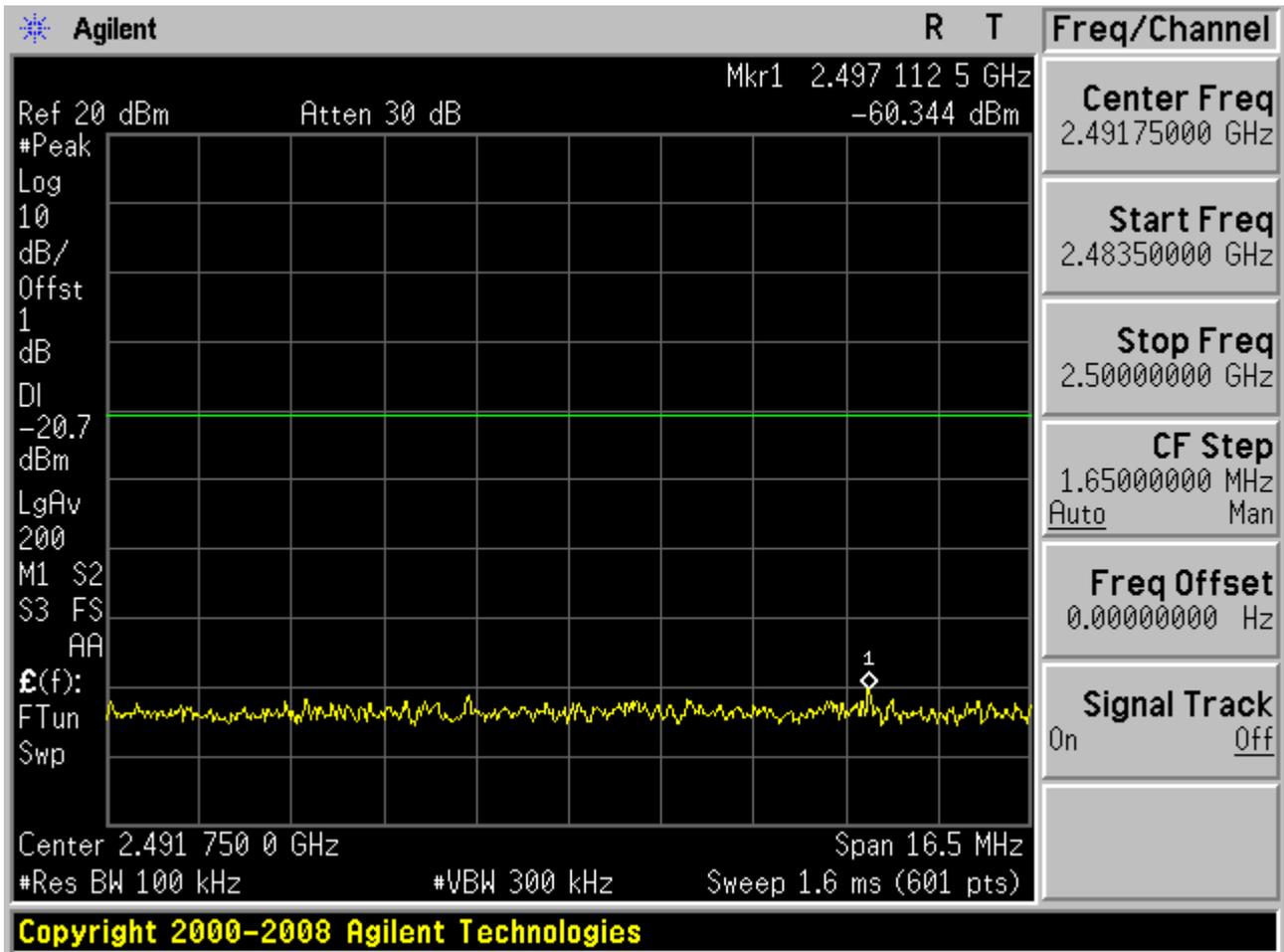
2.1.2 Puw

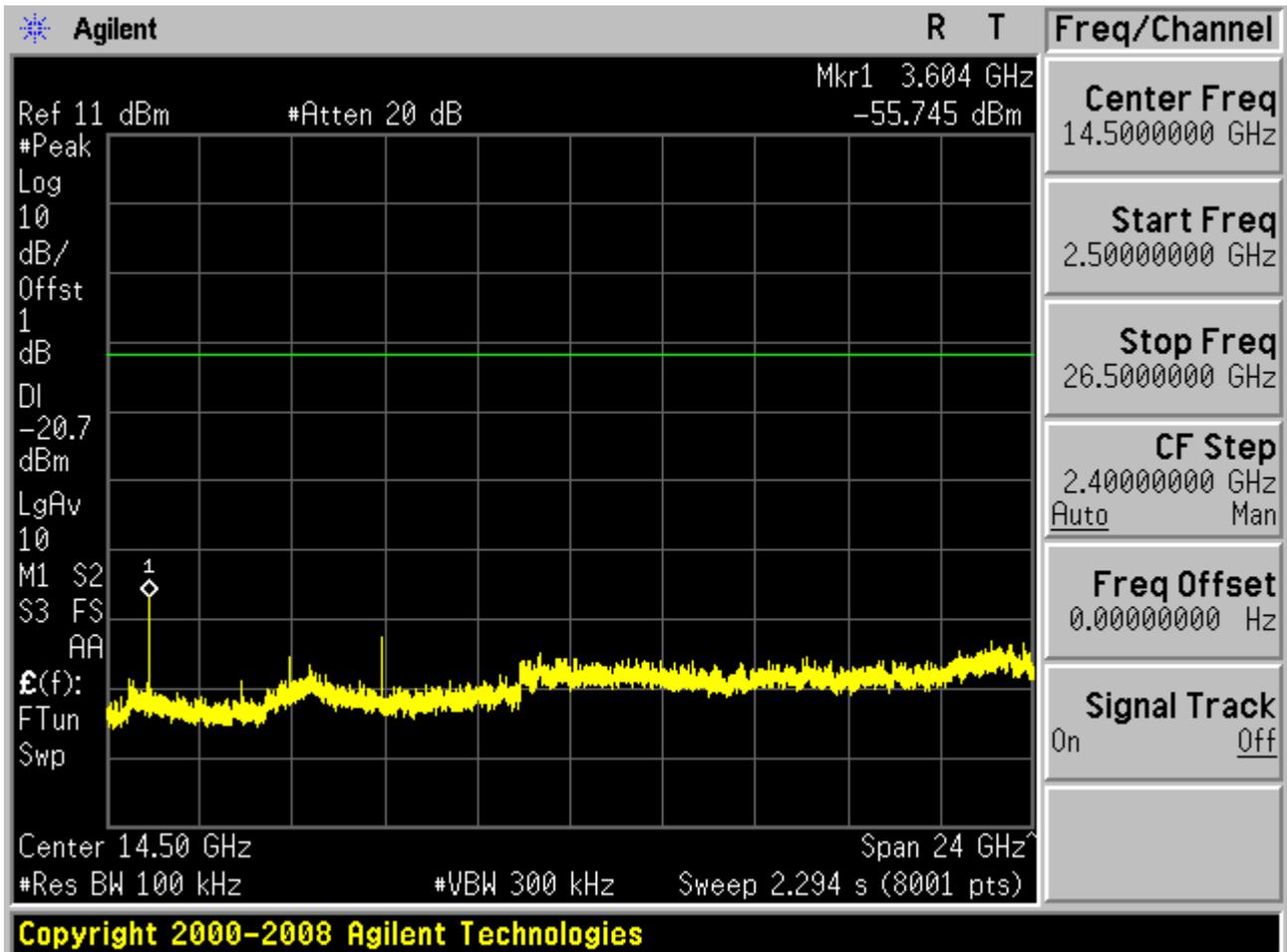








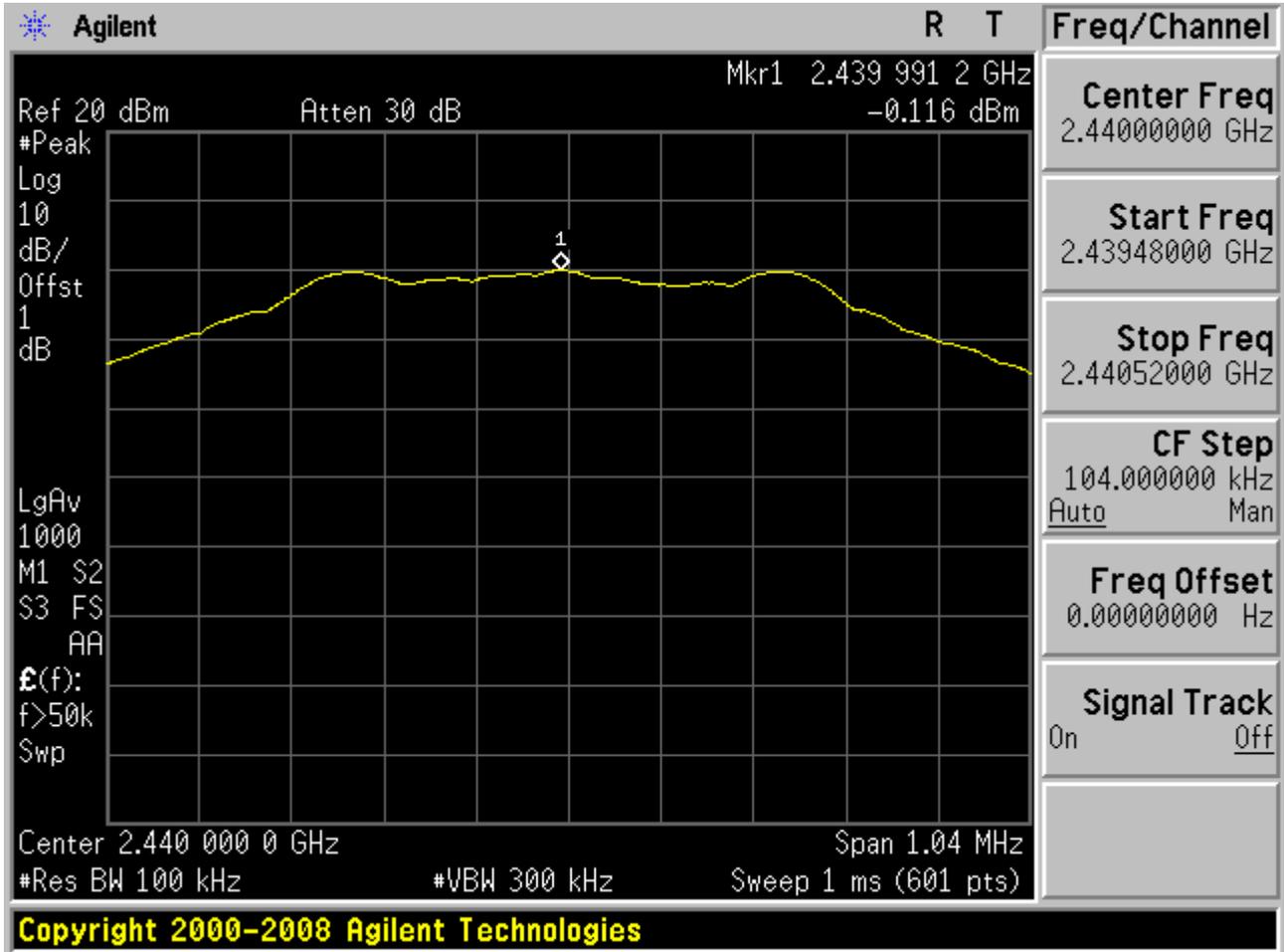






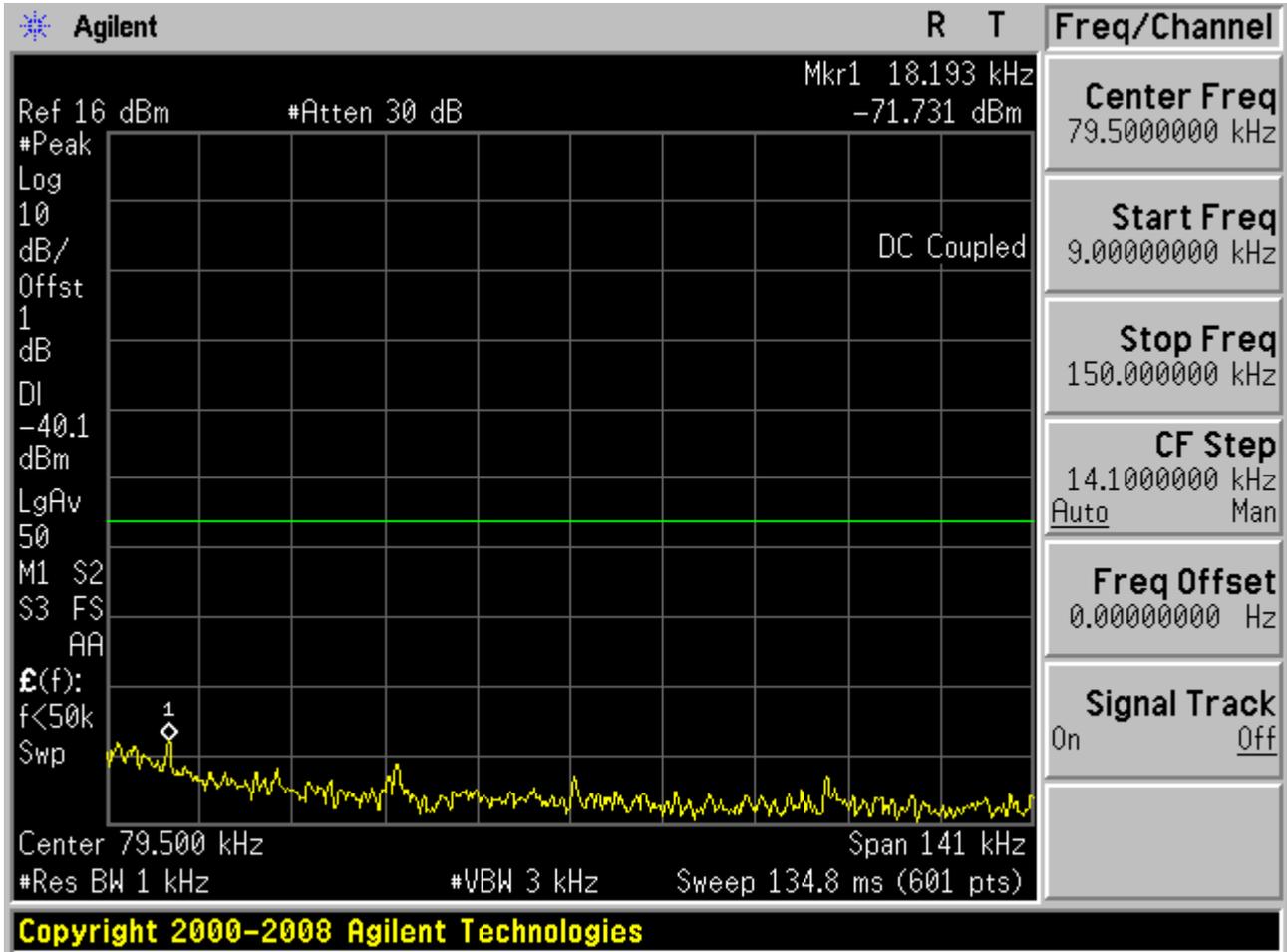
2.2 TM1_DH5_Ch19

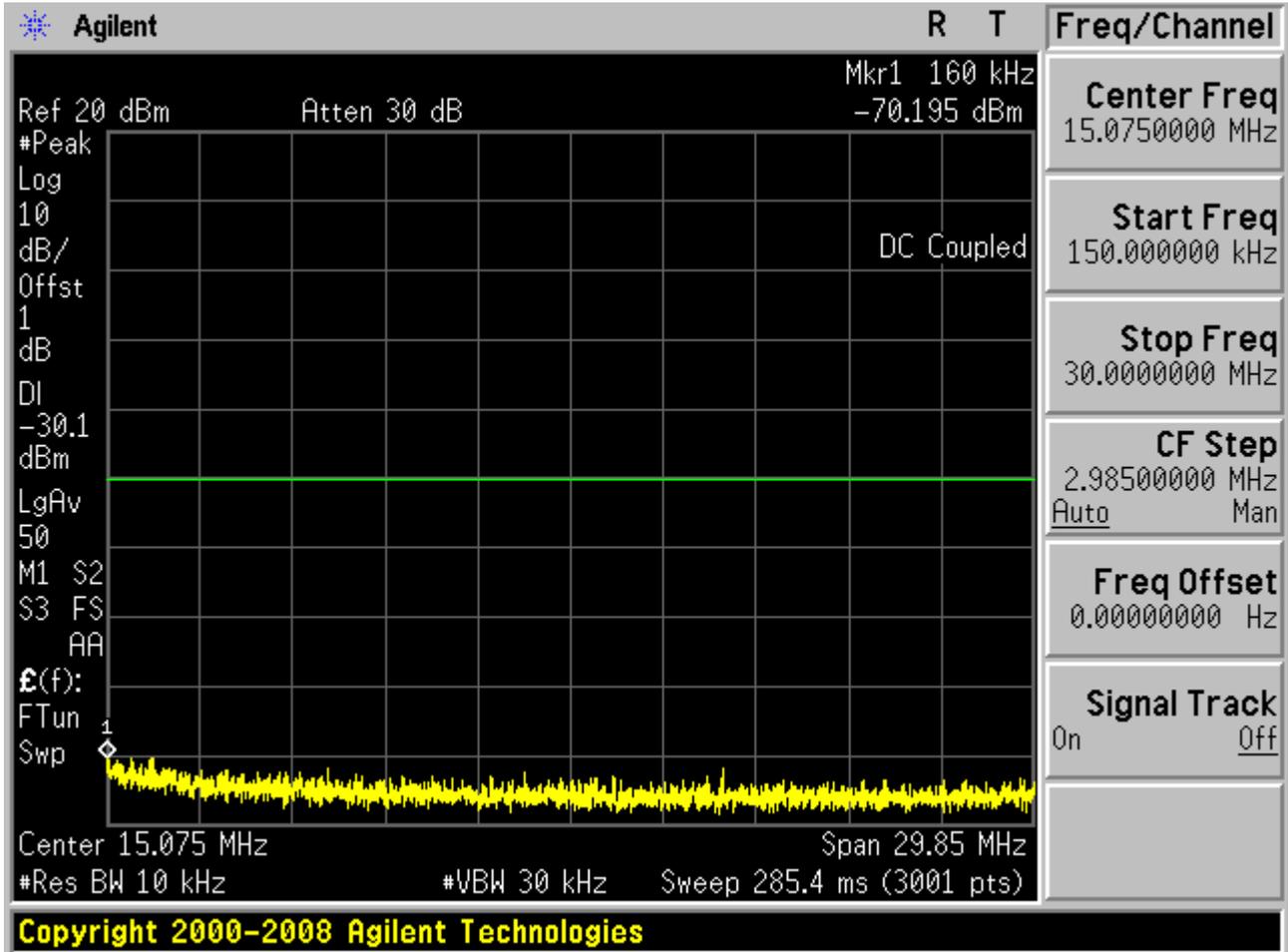
2.2.1 Pref

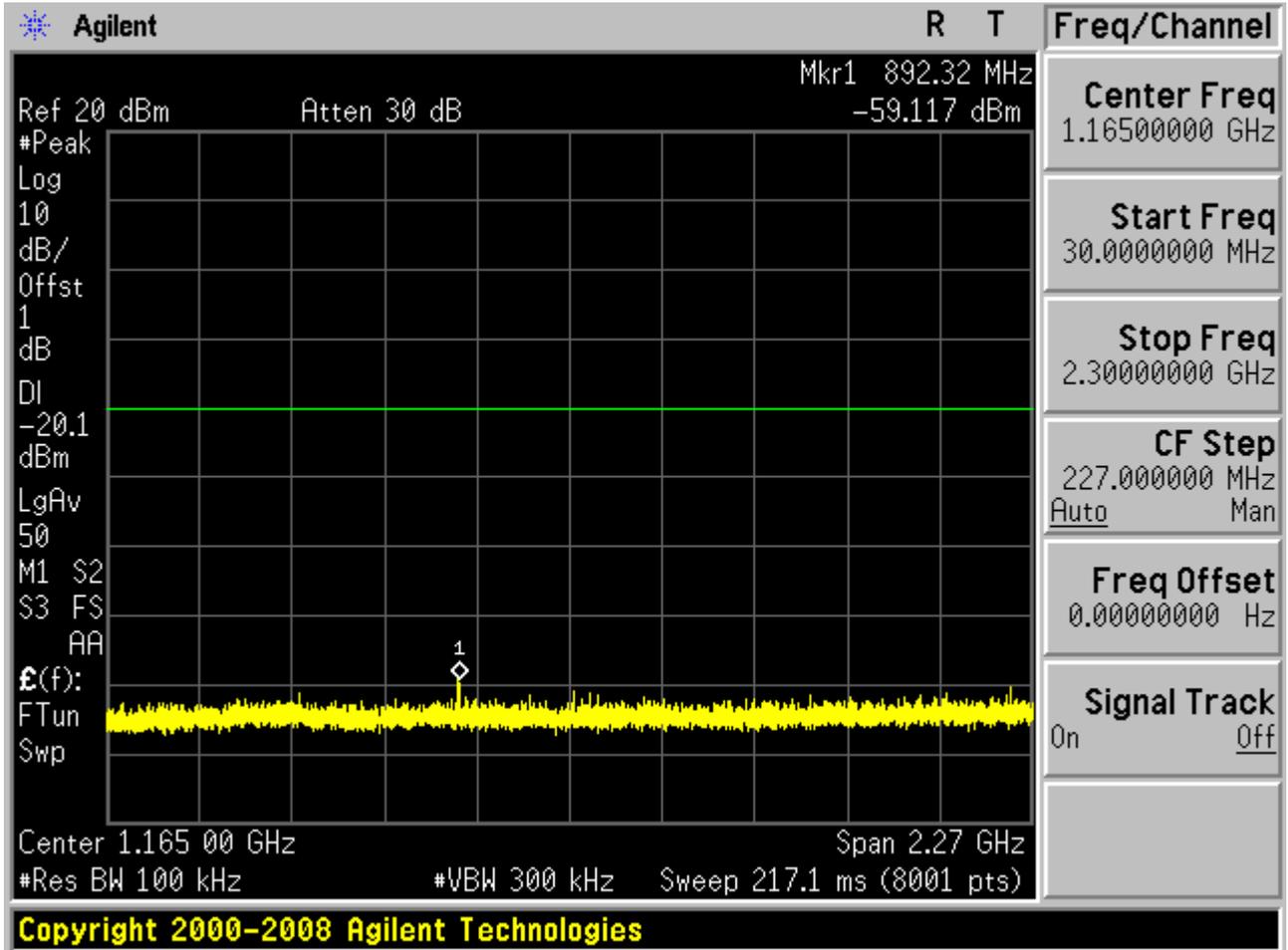


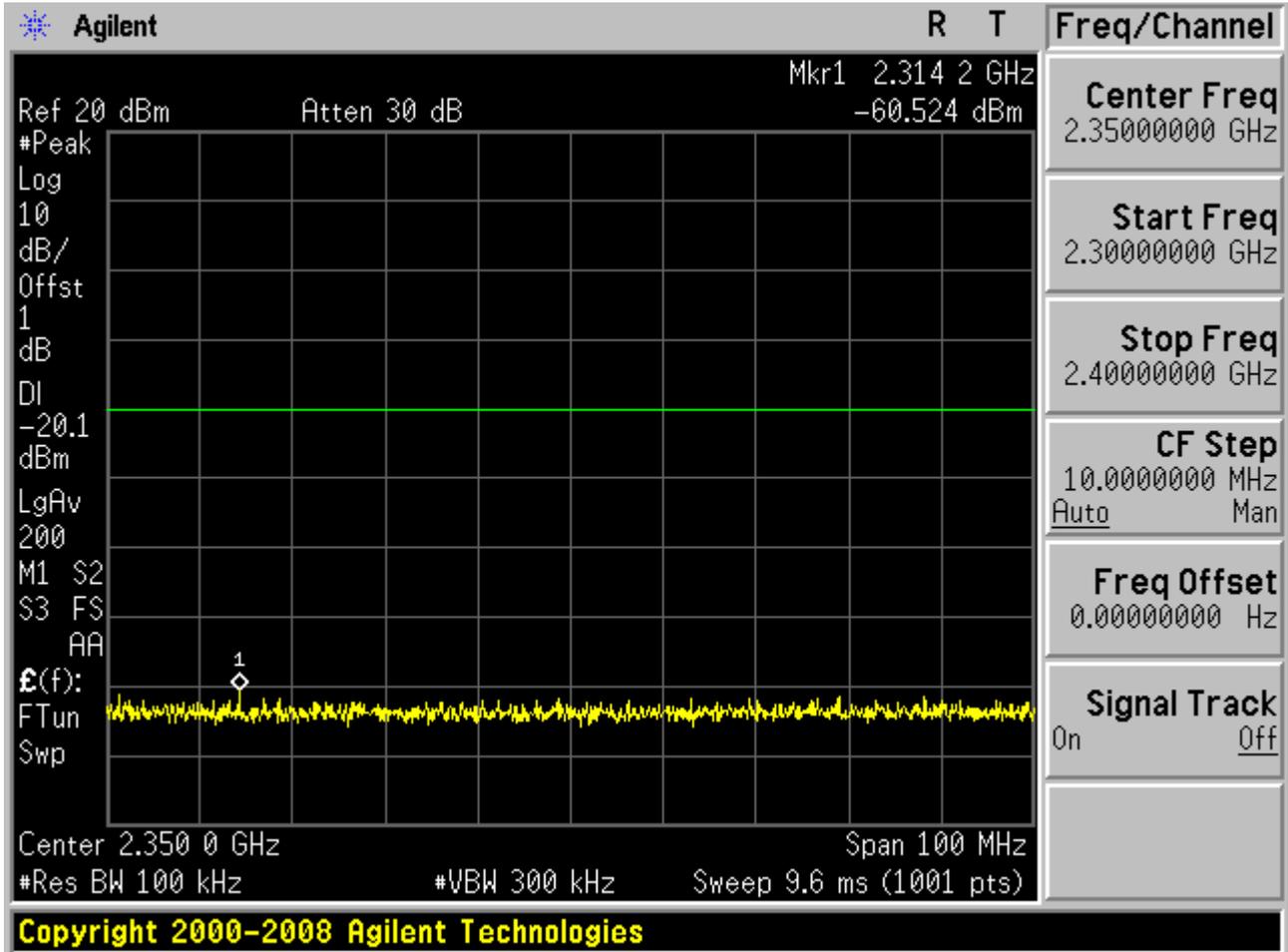


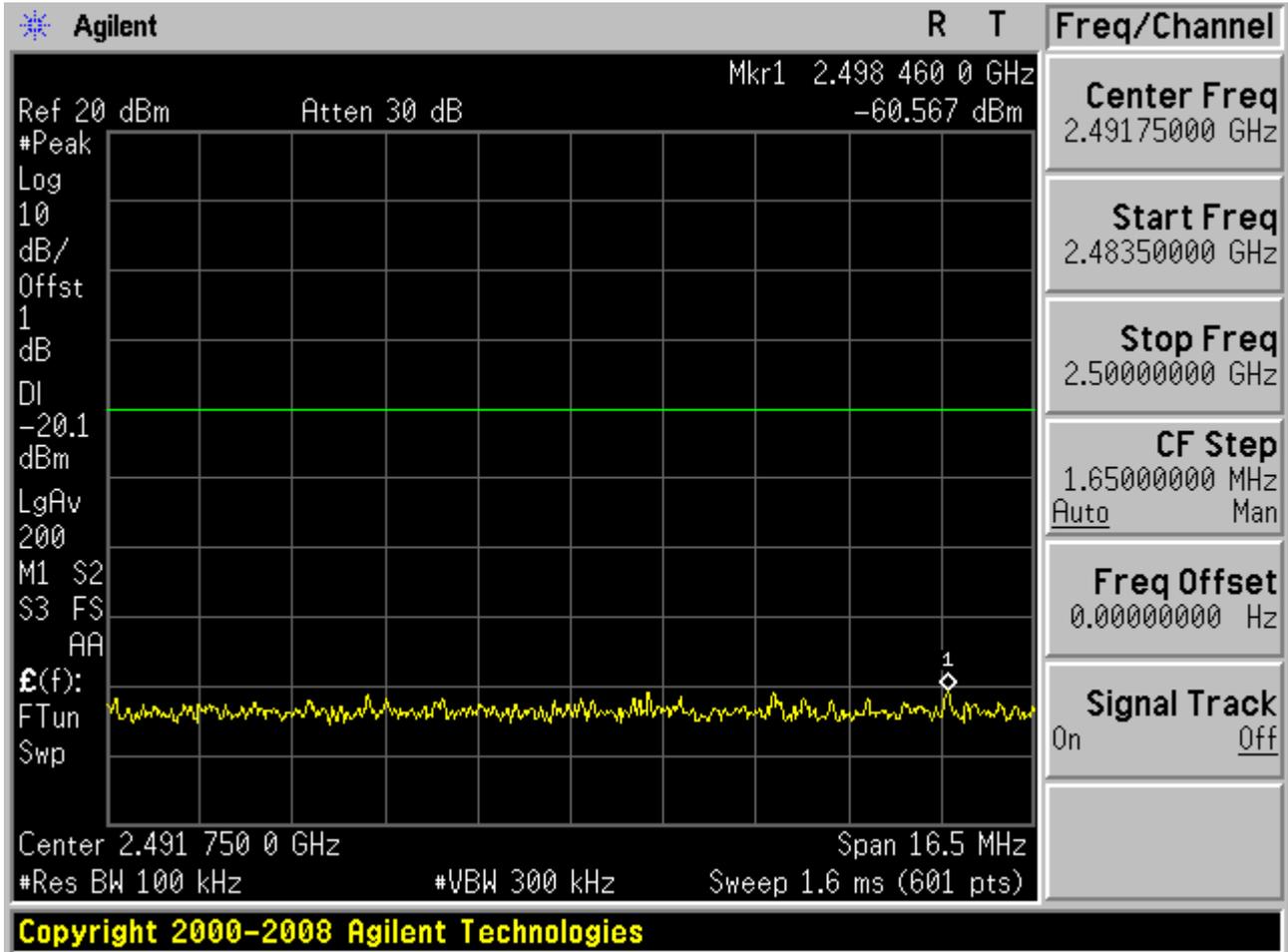
2.2.2 P_{uw}

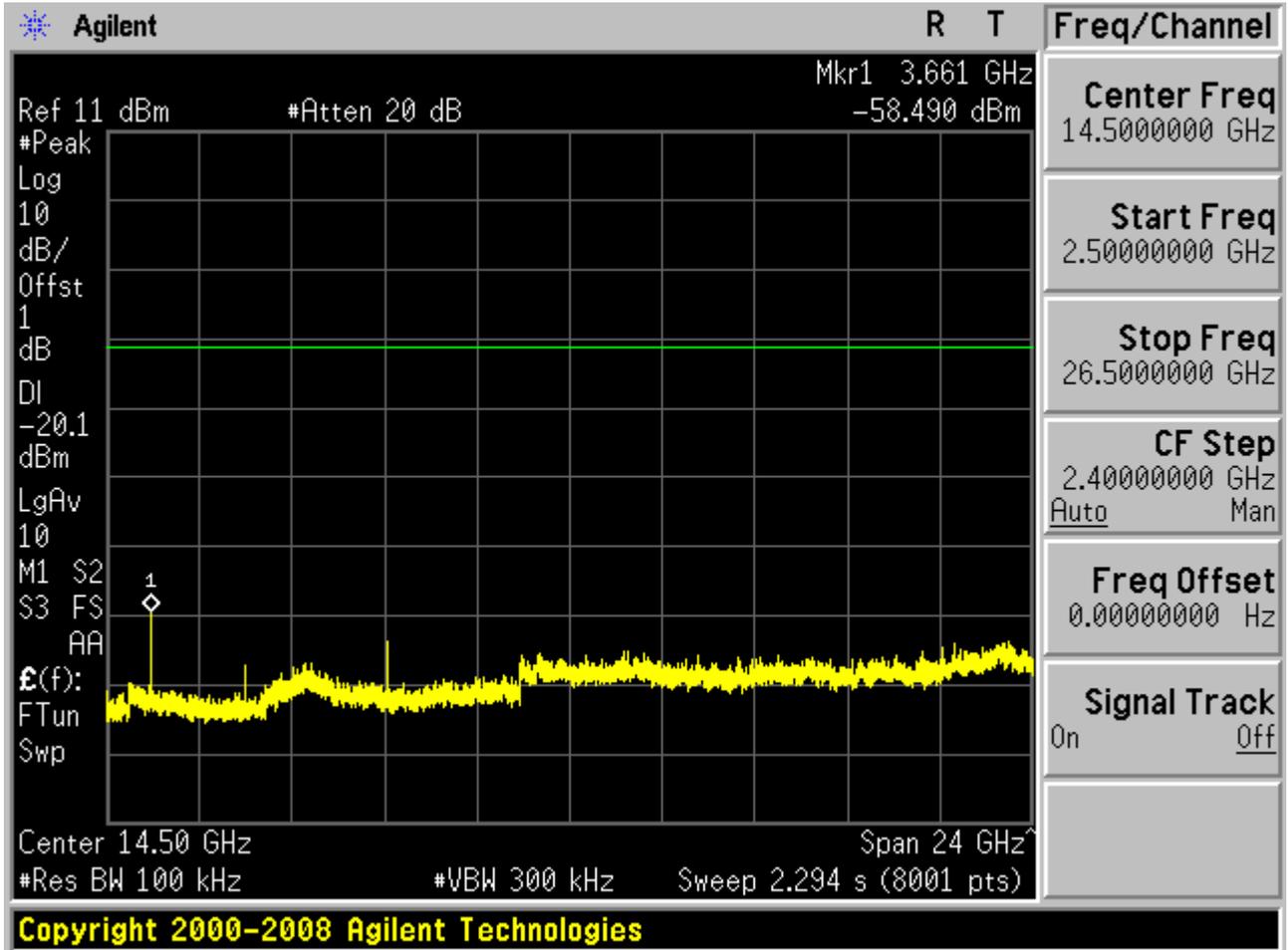








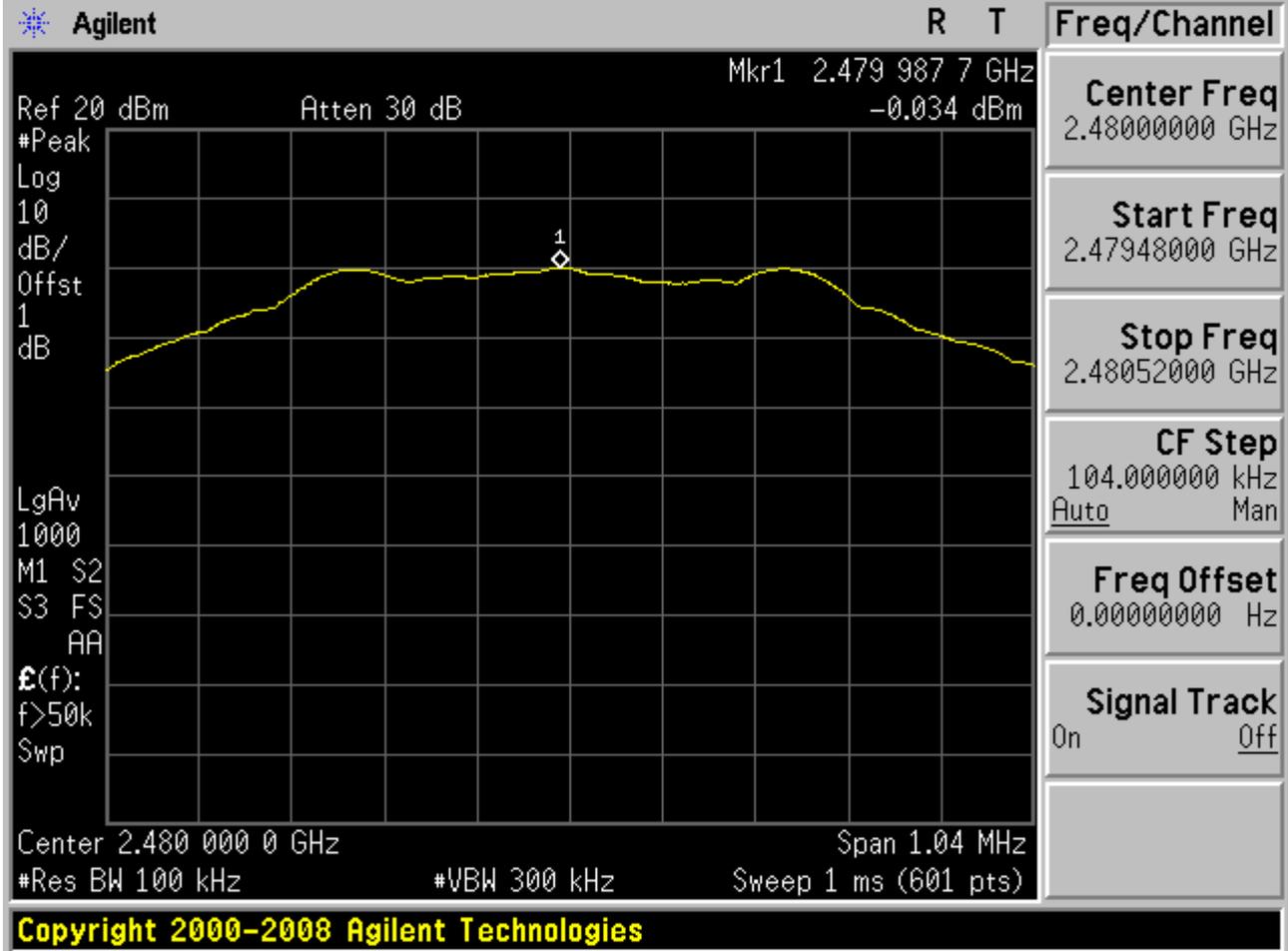






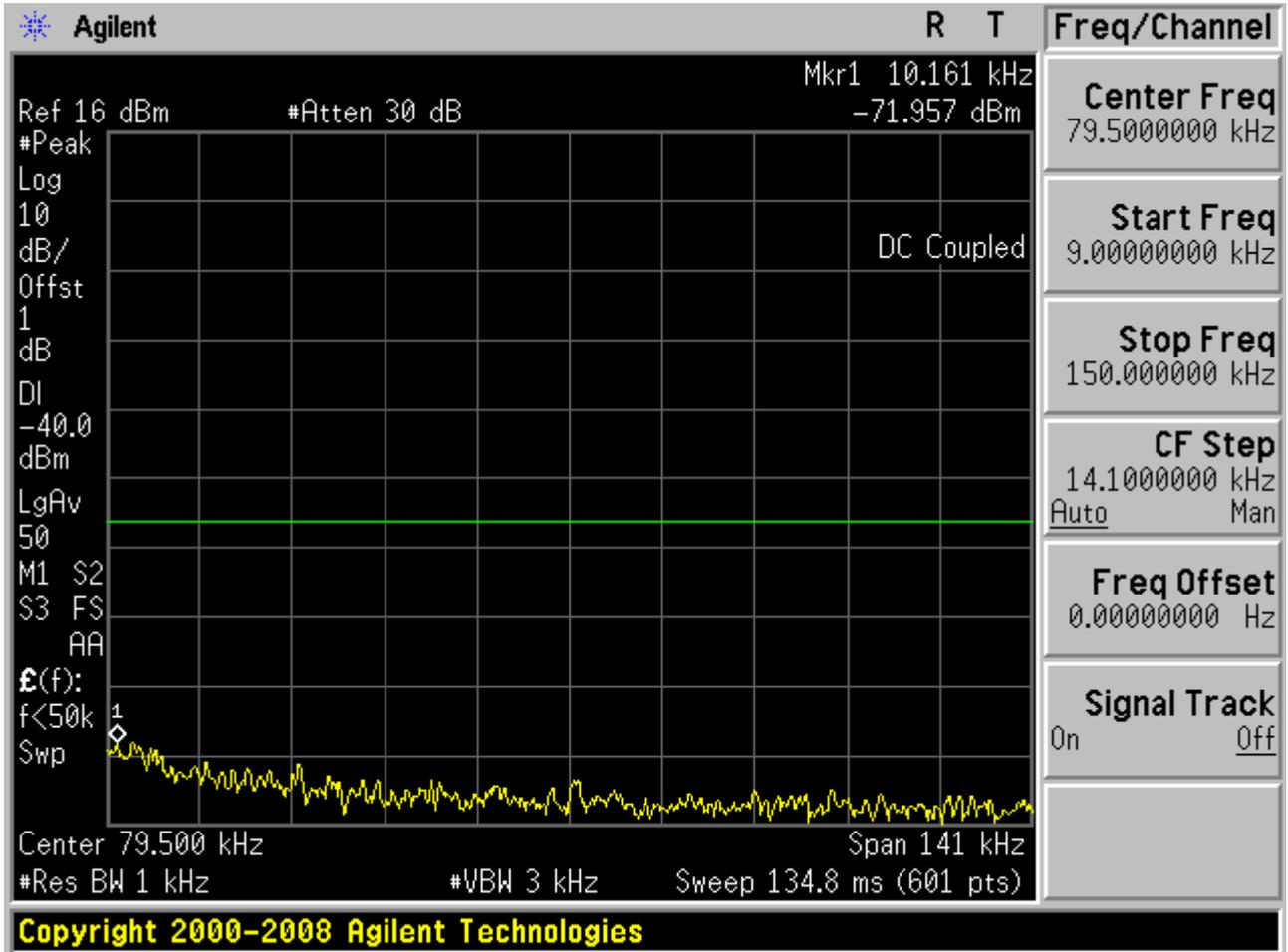
2.3 TM1_DH5_Ch39

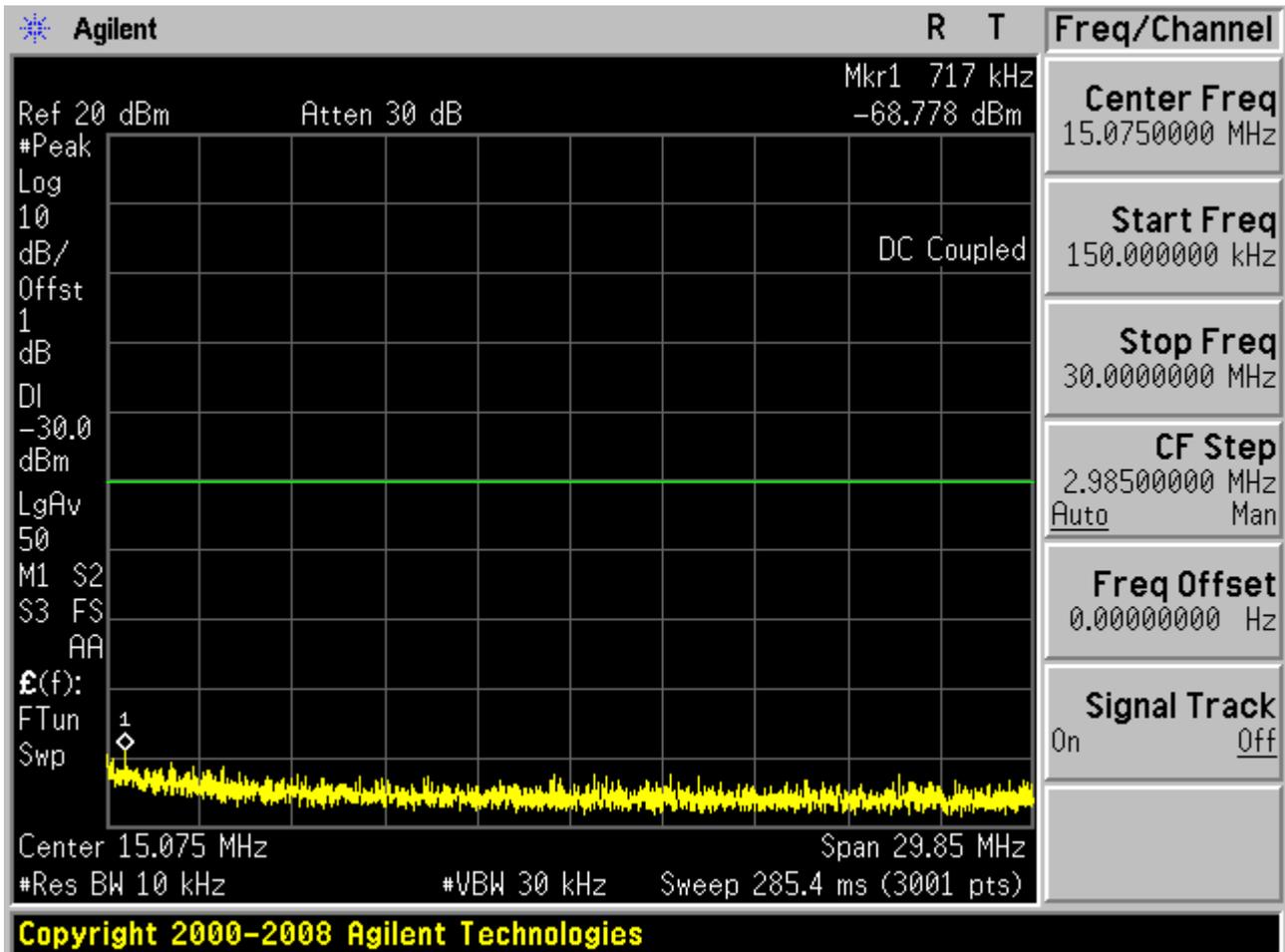
2.3.1 Pref

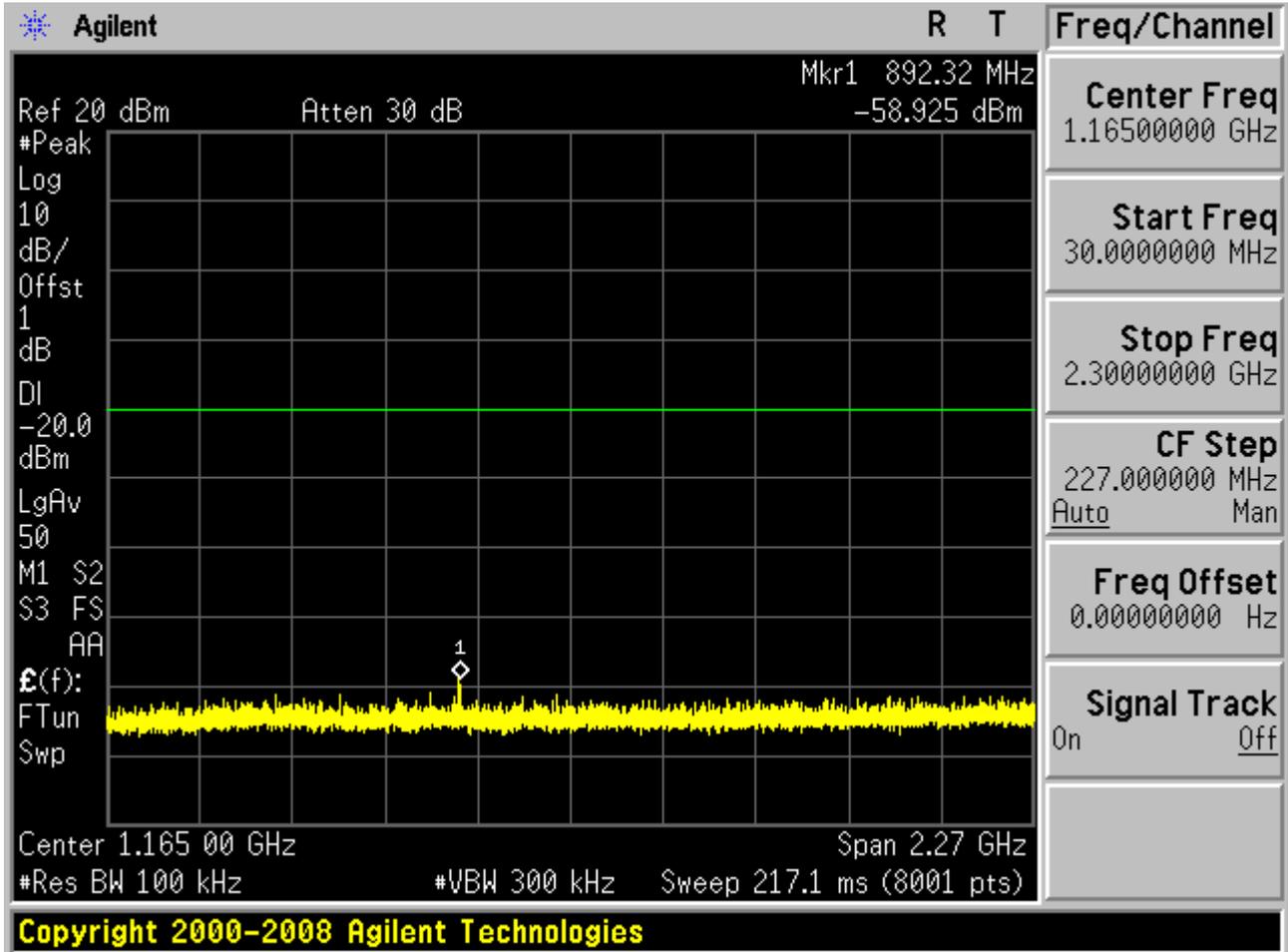


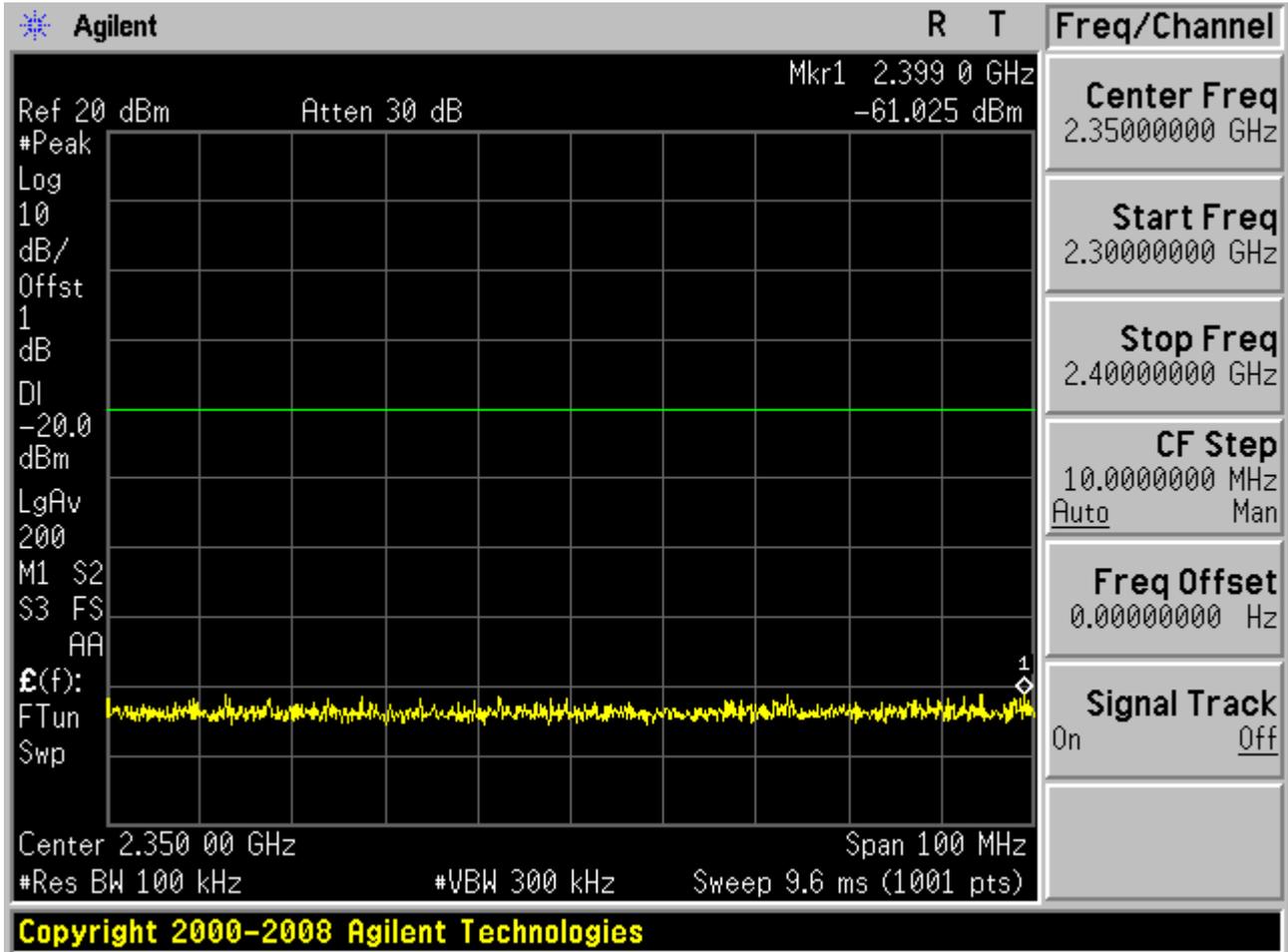


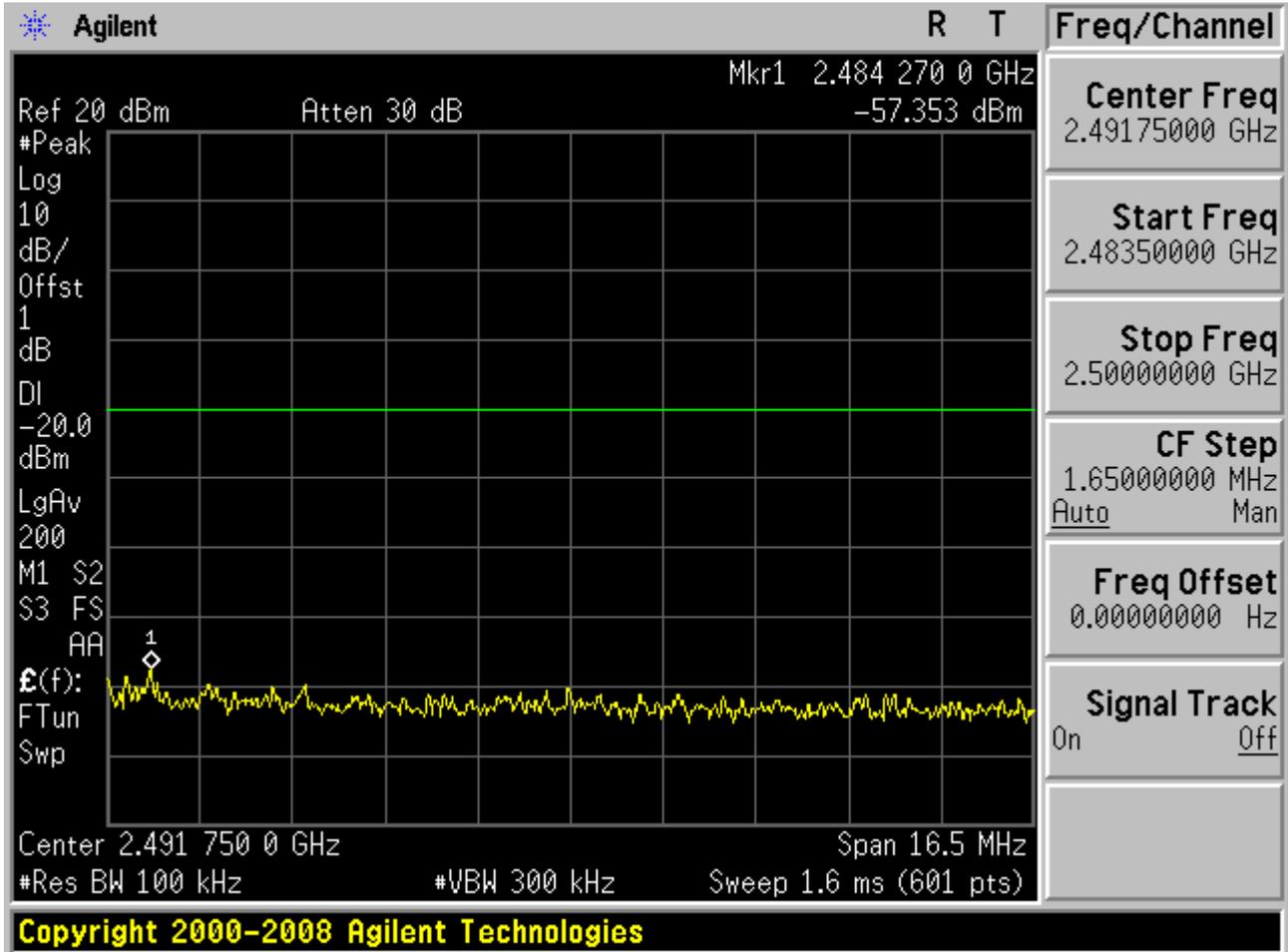
2.3.2 Puw

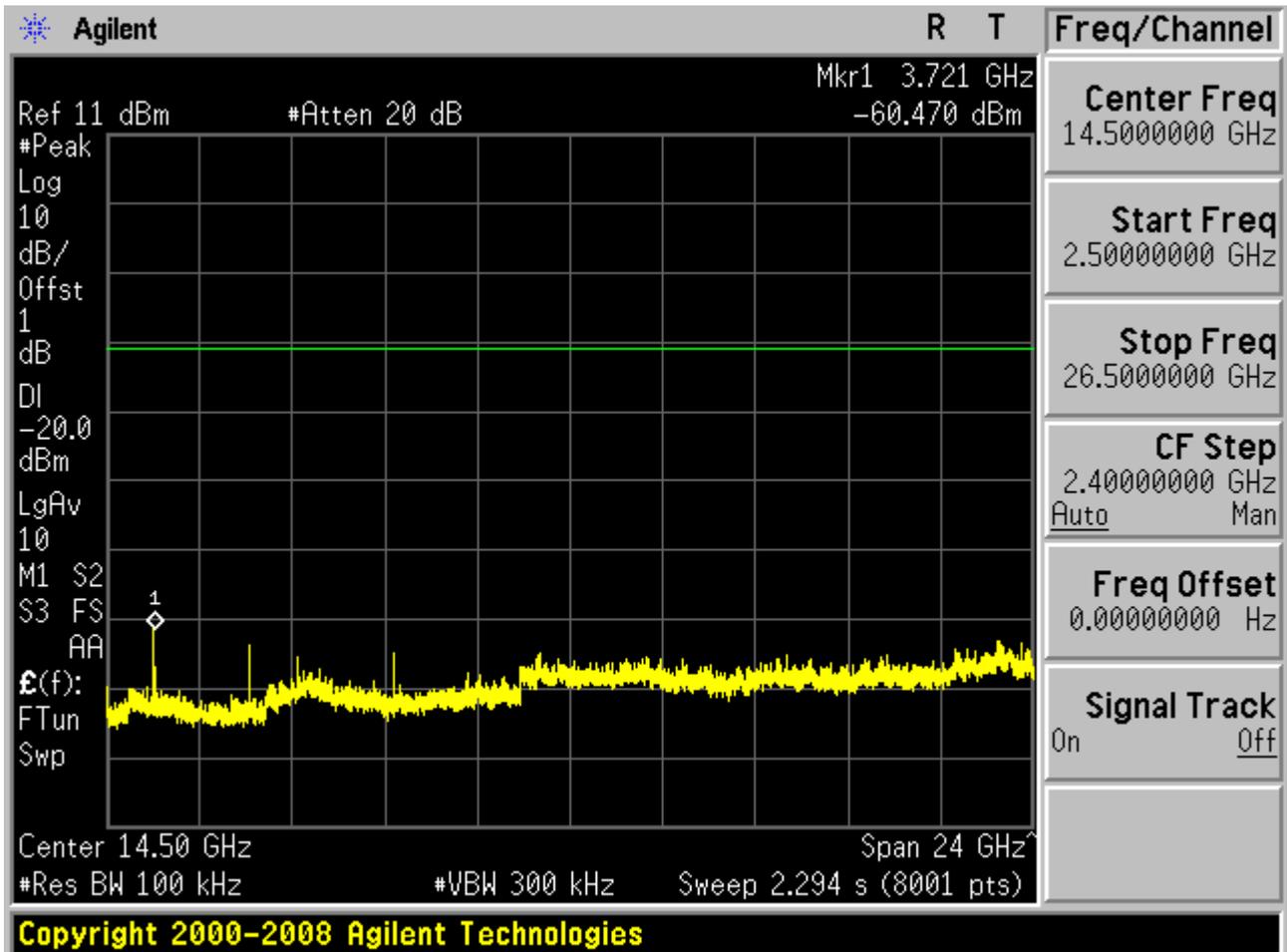












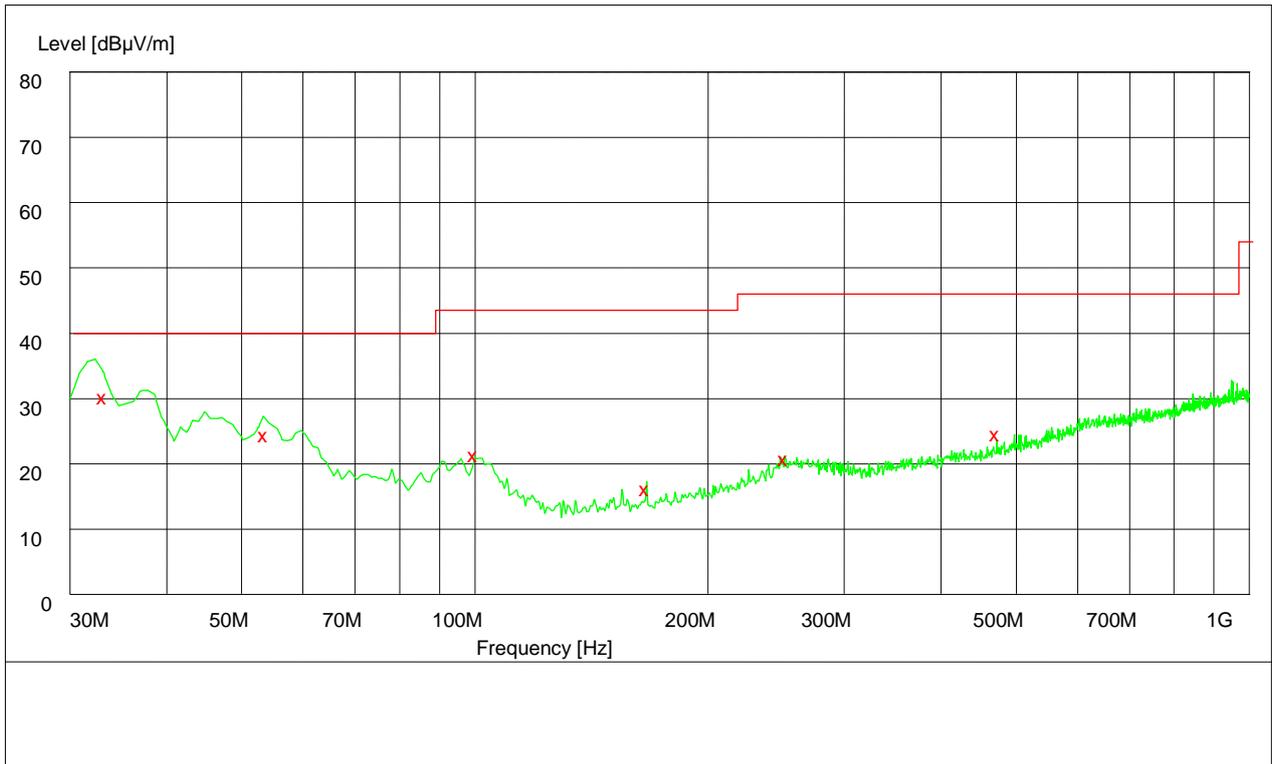


Appendix F: Radiated spurious emission

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.

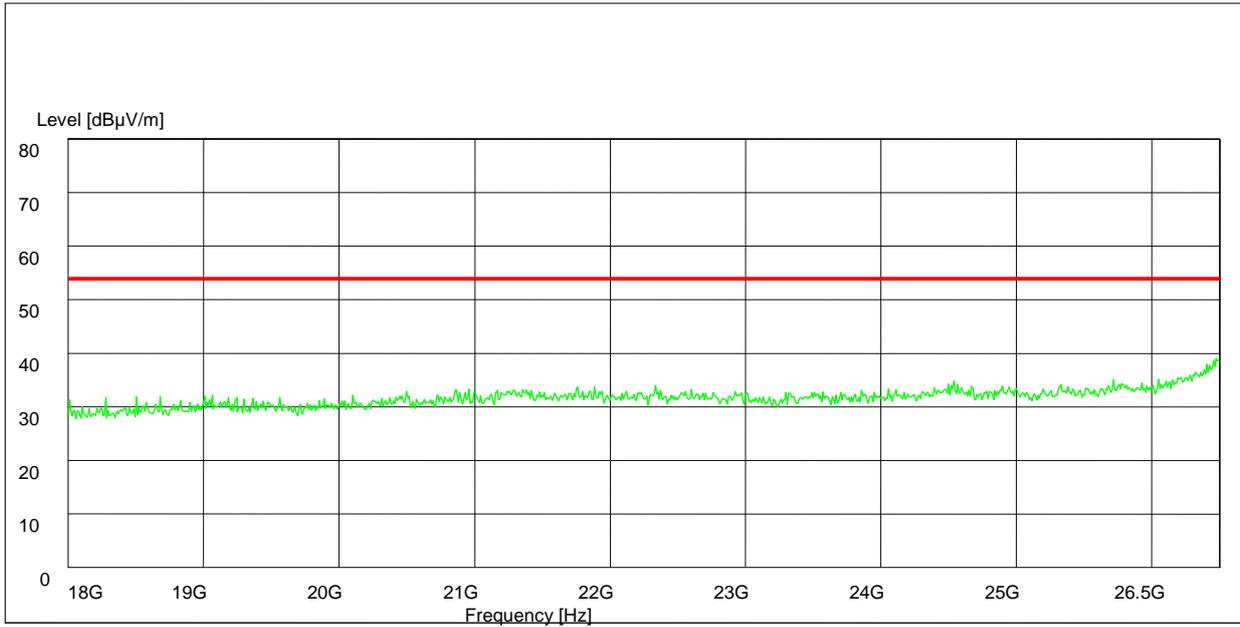
Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Plarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|-------------|
| 33.180000 | 31.60 | 14.2 | 40.0 | 8.4 | 100.0 | 103.00 | VERTICAL |
| 53.700000 | 25.80 | 14.6 | 40.0 | 14.2 | 102.0 | 127.00 | VERTICAL |
| 100.020000 | 22.70 | 13.3 | 43.5 | 20.8 | 102.0 | 176.00 | VERTICAL |
| 166.680000 | 17.60 | 10.5 | 43.5 | 25.9 | 113.0 | 355.00 | VERTICAL |
| 251.700000 | 22.10 | 14.0 | 46.0 | 23.9 | 111.0 | 166.00 | HORIZONTAL |
| 473.220000 | 26.00 | 18.7 | 46.0 | 20.0 | 118.0 | 4.00 | VERTICAL |



Part 2: Testing Range of "18 GHz to 26.5 GHz"



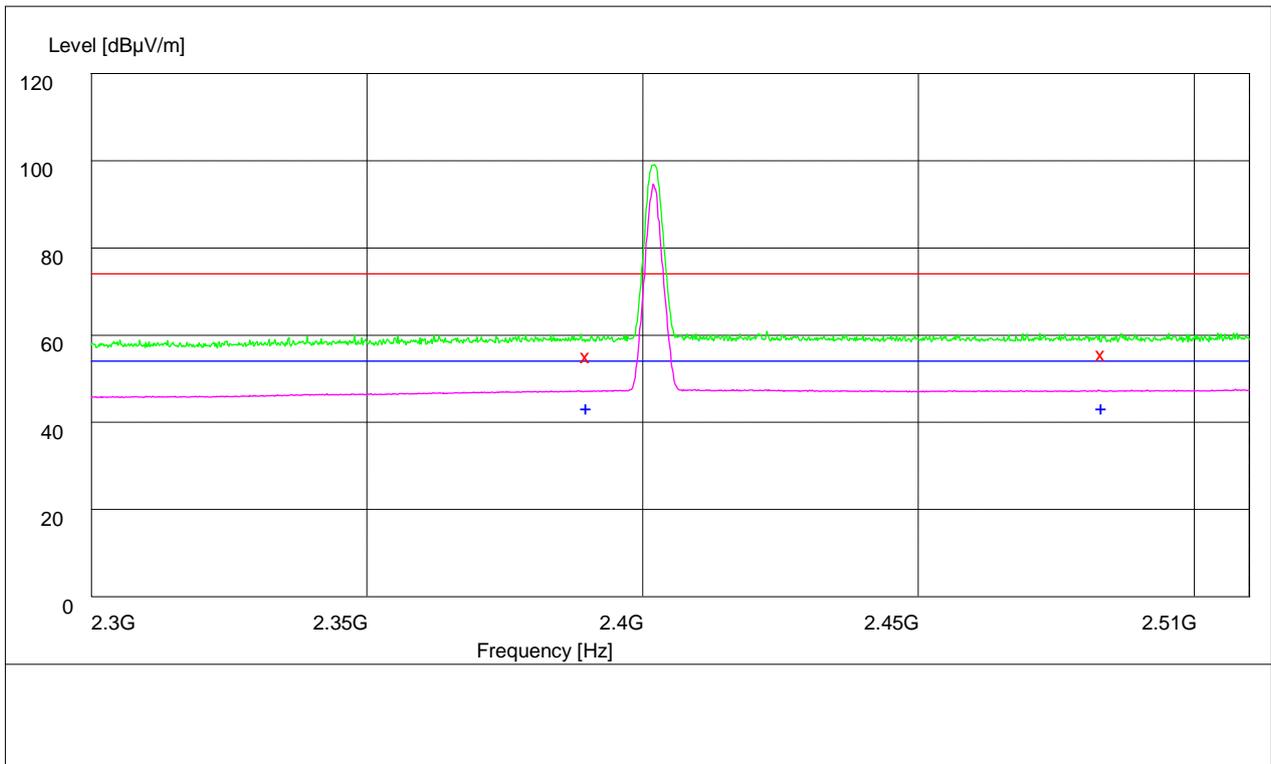
Note: No peak found in pre- test.

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 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.

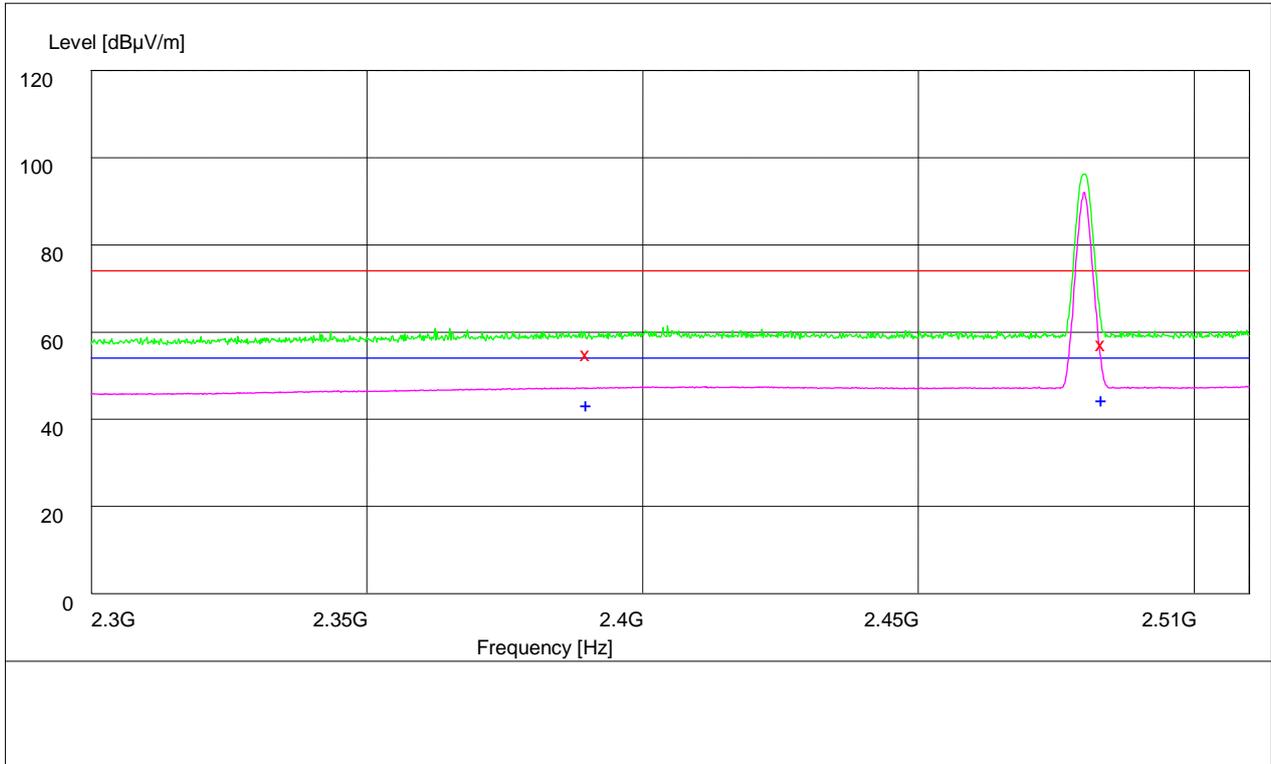
MEASUREMENT RESULT: PK Detector

| Frequency MHz | Level dB μ V/m | Transd dB | Limit dB μ V/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------------|-----------|--------------------|-----------|-----------|-------------|--------------|
| 2390.000000 | 57.30 | 34.7 | 74.0 | 16.7 | 100.0 | 0.00 | HORIZONTAL |
| 2483.500000 | 57.70 | 35.0 | 74.0 | 16.3 | 170.0 | 202.00 | 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 | 45.60 | 34.7 | 54.0 | 8.4 | 188.0 | 57.00 | VERTICAL |
| 2483.500000 | 45.60 | 35.0 | 54.0 | 8.4 | 143.0 | 90.00 | HORIZONTAL |

3.2 Channel 39



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

MEASUREMENT RESULT: PK Detector

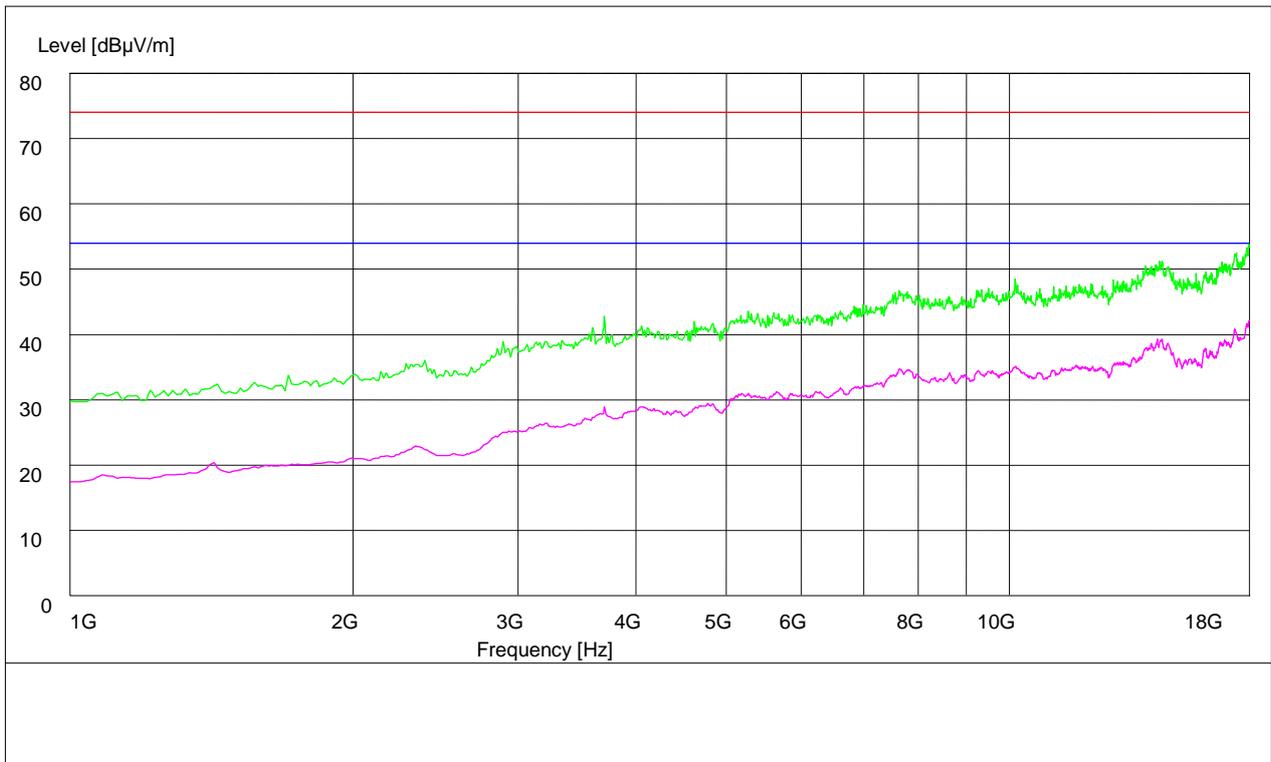
| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2390.000000 | 57.10 | 34.7 | 74.0 | 16.9 | 106.0 | 204.00 | HORIZONTAL |
| 2483.500000 | 59.30 | 35.0 | 74.0 | 14.7 | 100.0 | 46.00 | VERTICAL |

MEASUREMENT RESULT: AV Detector

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2390.000000 | 45.60 | 34.7 | 54.0 | 8.4 | 126.0 | 240.00 | VERTICAL |
| 2483.500000 | 46.60 | 35.0 | 54.0 | 7.4 | 107.0 | 357.00 | HORIZONTAL |

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

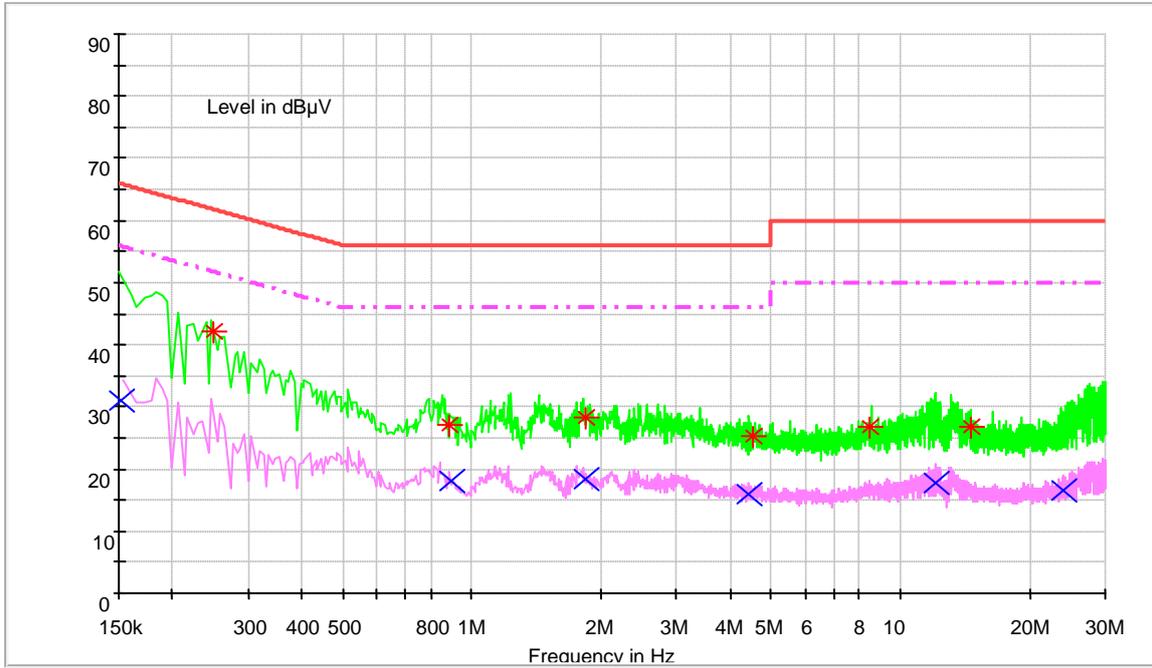
- Note 1: The test results and plot for testing range of “1 GHz to 18 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “1 GHz to 18 GHz” is for checking radiated emissions located 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 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 |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.248426 | 42.2 | 9.7 | 61.8 | 19.6 | L1 | FLO |
| 0.88158 | 27.1 | 9.7 | 56 | 28.9 | L1 | FLO |
| 1.84491 | 28.2 | 9.7 | 56 | 27.8 | L1 | FLO |
| 4.544764 | 25.2 | 9.8 | 56 | 30.8 | N | FLO |
| 8.492167 | 26.7 | 9.9 | 60 | 33.3 | N | FLO |
| 14.61636 | 26.8 | 10.1 | 60 | 33.2 | N | FLO |



MEASUREMENT RESULT: AV Detector

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|------|-----|
| 0.151931 | 30.9 | 9.7 | 55.9 | 25 | L1 | FLO |
| 0.891173 | 18.1 | 9.7 | 46 | 27.9 | L1 | FLO |
| 1.835948 | 18.4 | 9.7 | 46 | 27.6 | N | FLO |
| 4.433021 | 15.8 | 9.8 | 46 | 30.2 | N | FLO |
| 12.08047 | 17.6 | 10 | 50 | 32.4 | N | FLO |
| 24.01677 | 16.5 | 10.3 | 50 | 33.5 | 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