



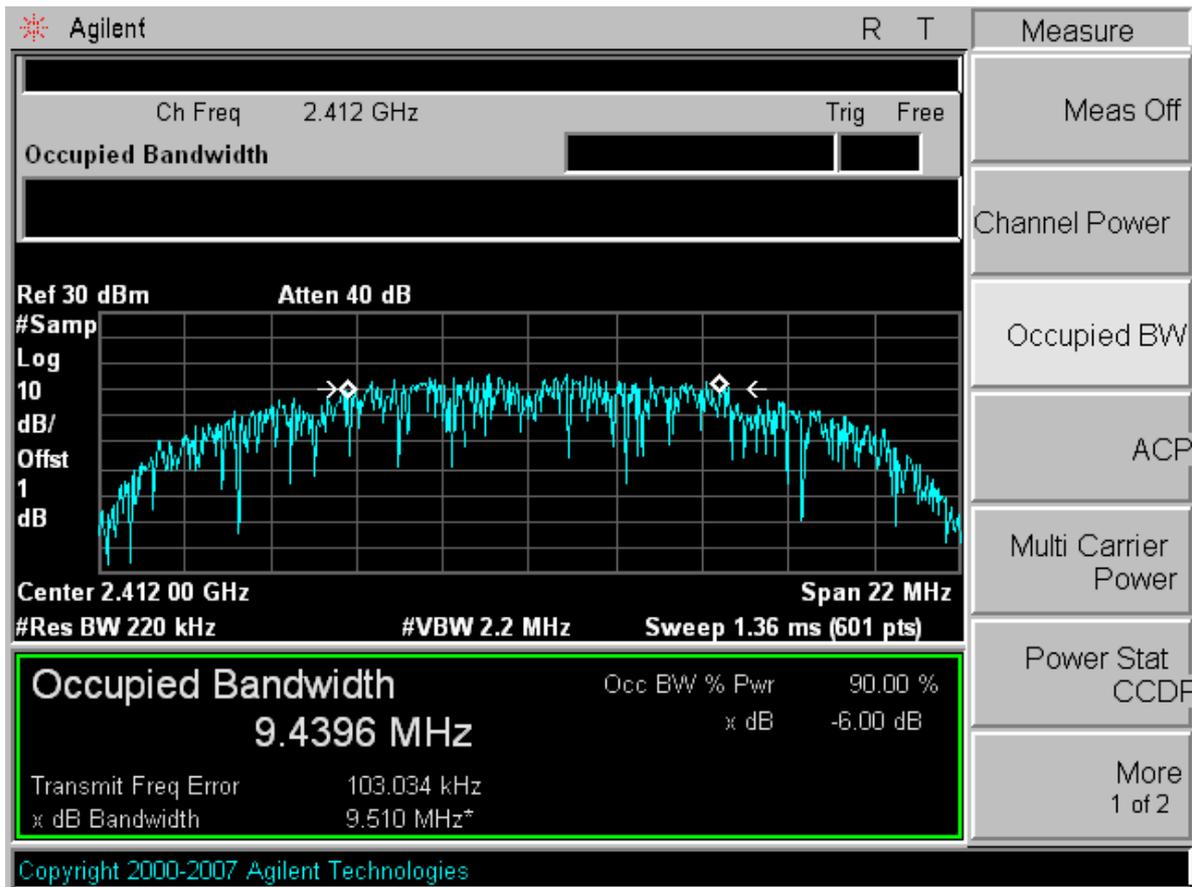
Appendix A

6dB bandwidth measurement

According to FCC Part 15.247 (a) (2)
RSS-210 Issue 7

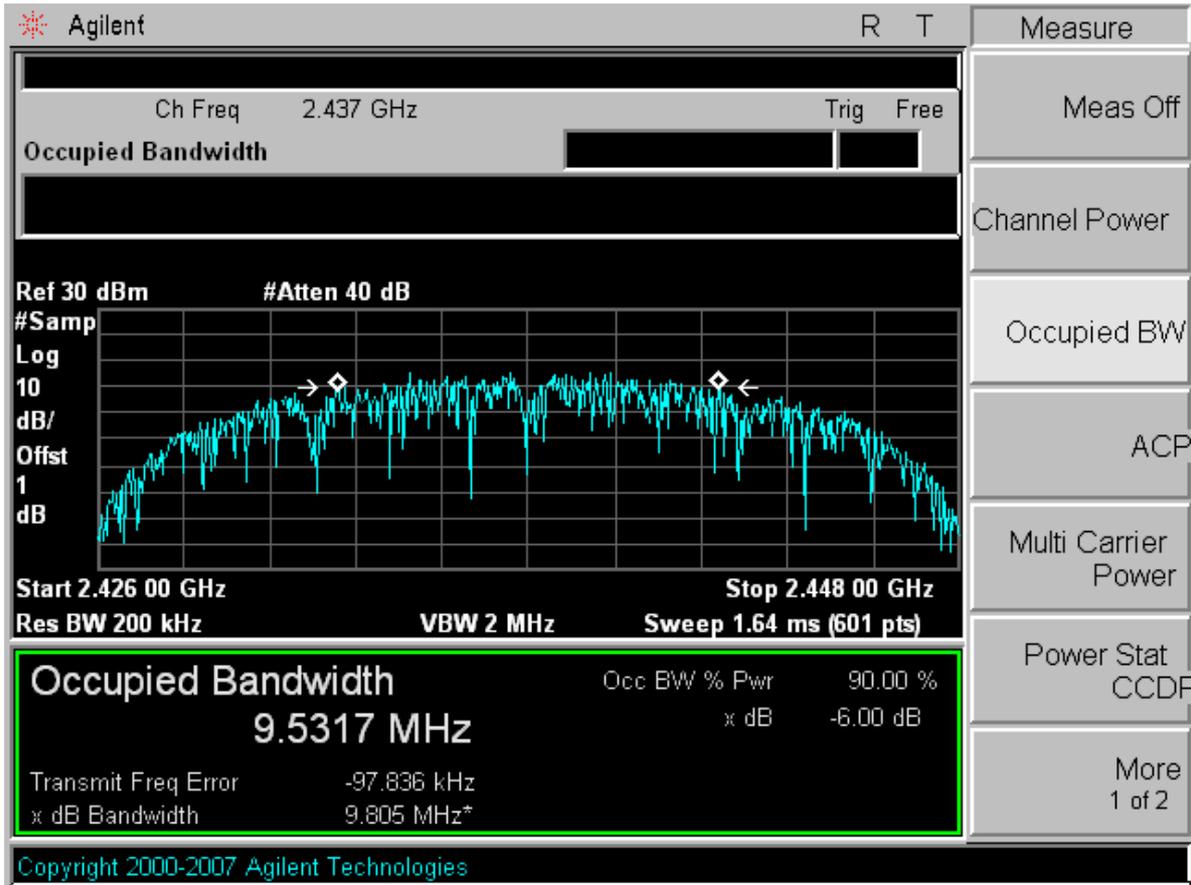


TM1 Channel 1 (2412MHz)



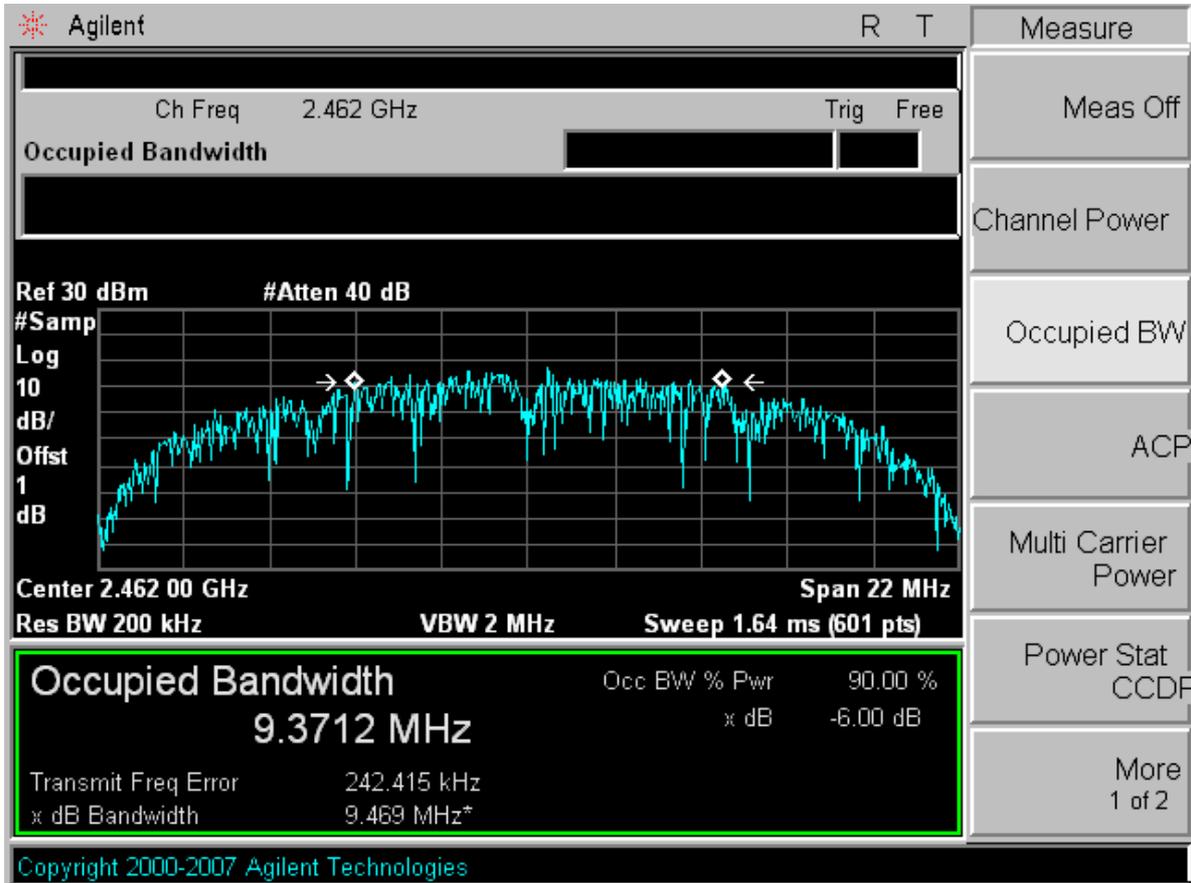


Channel 6 (2437MHz)





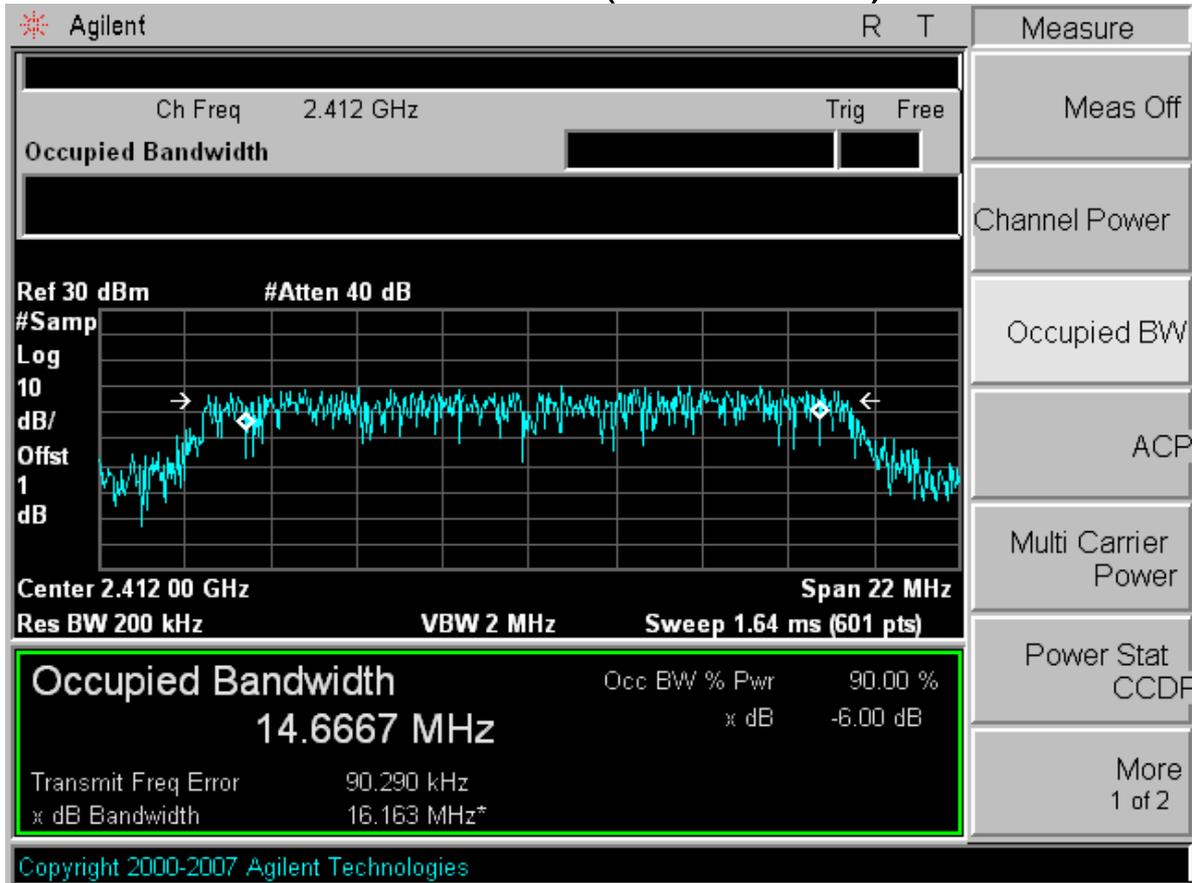
Channel 11 (2462MHz)





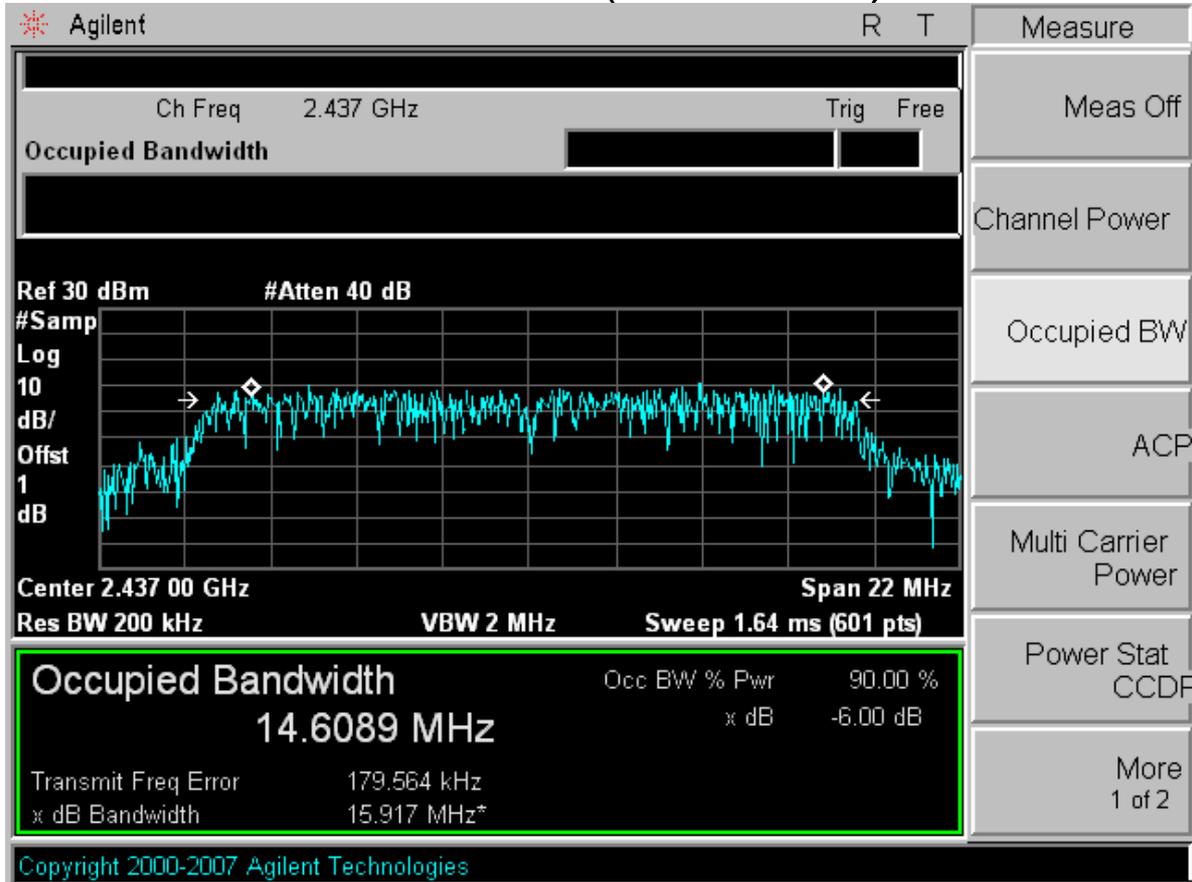
TM2

Channel 1 (2412MHz)



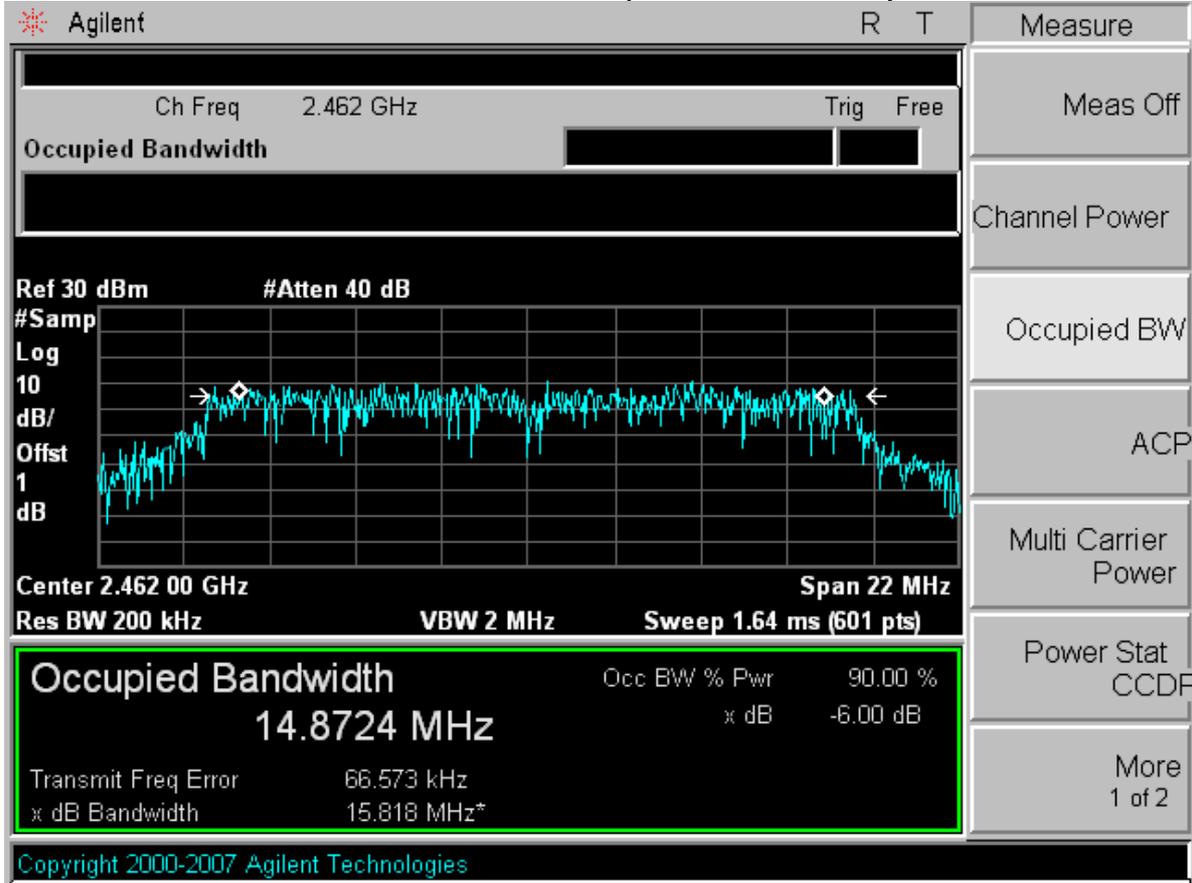


Channel 6 (2437MHz)





Channel 11 (2462MHz)





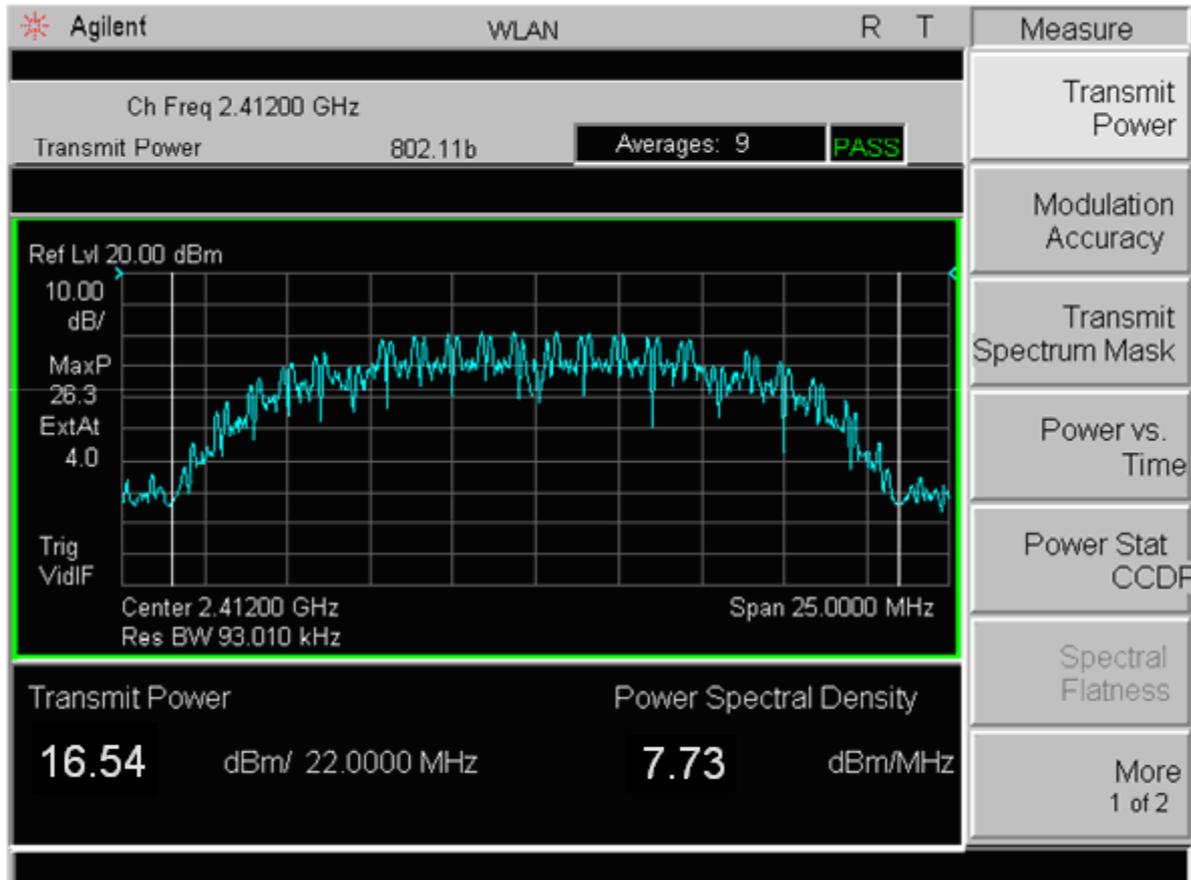
Appendix B

Conducted Peak output power

According to FCC Part 15.247 (b) (3)
RSS-210 Issue 7

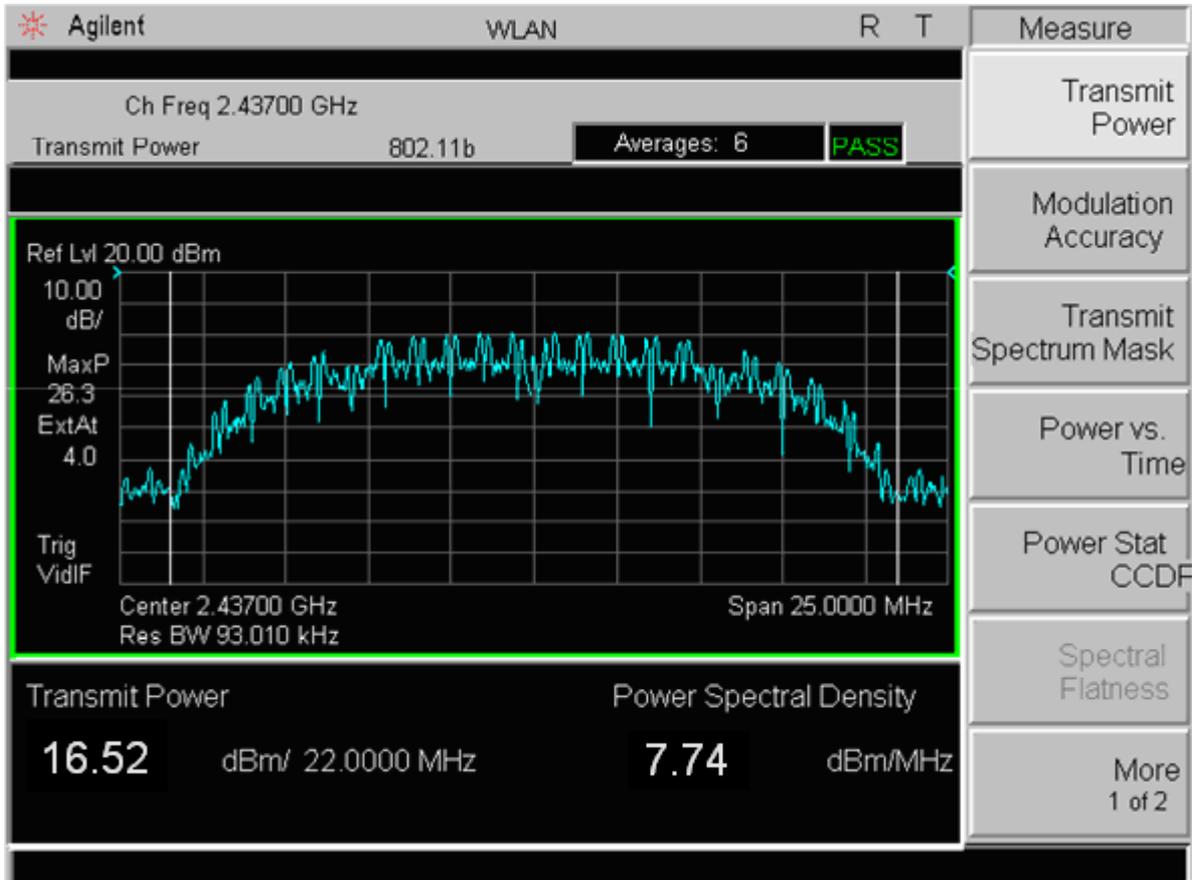


TM1 Channel 1 (2412MHz)



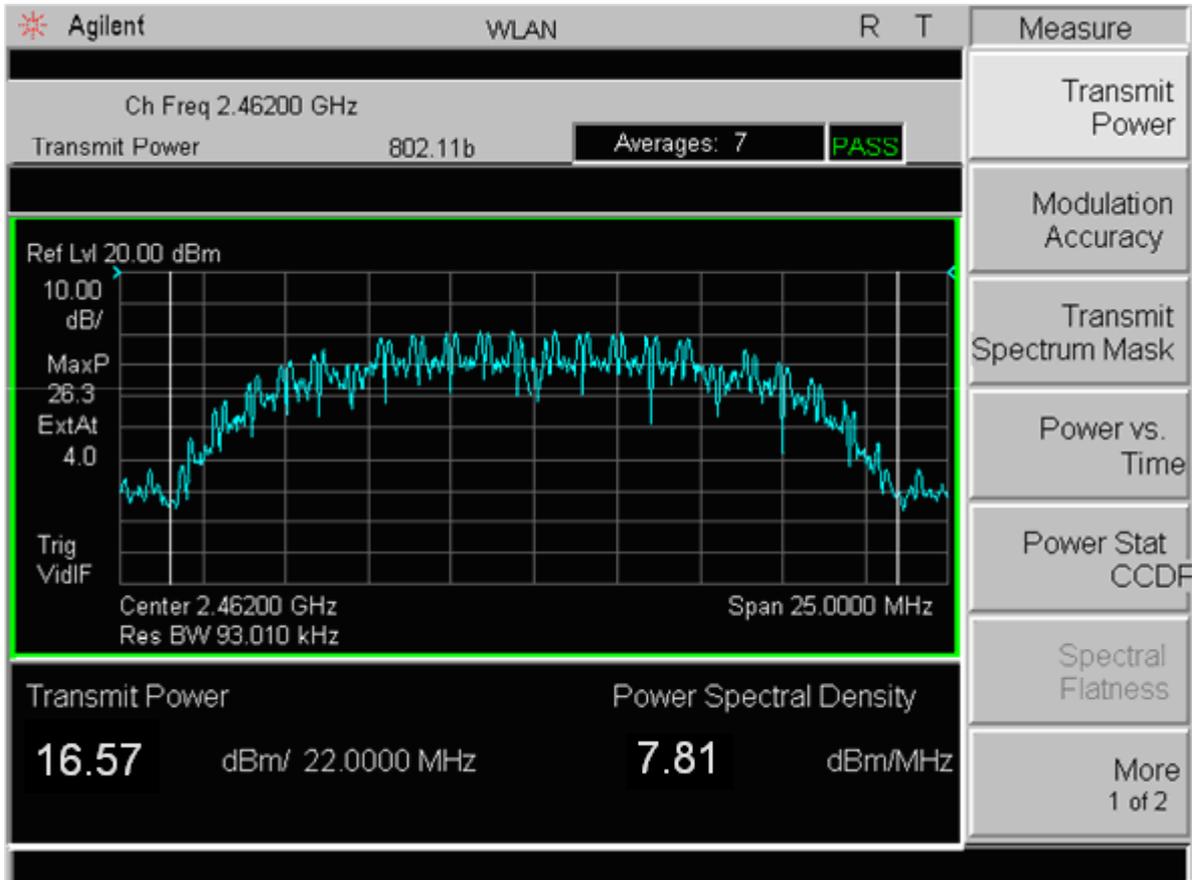


Channel 6 (2437MHz)





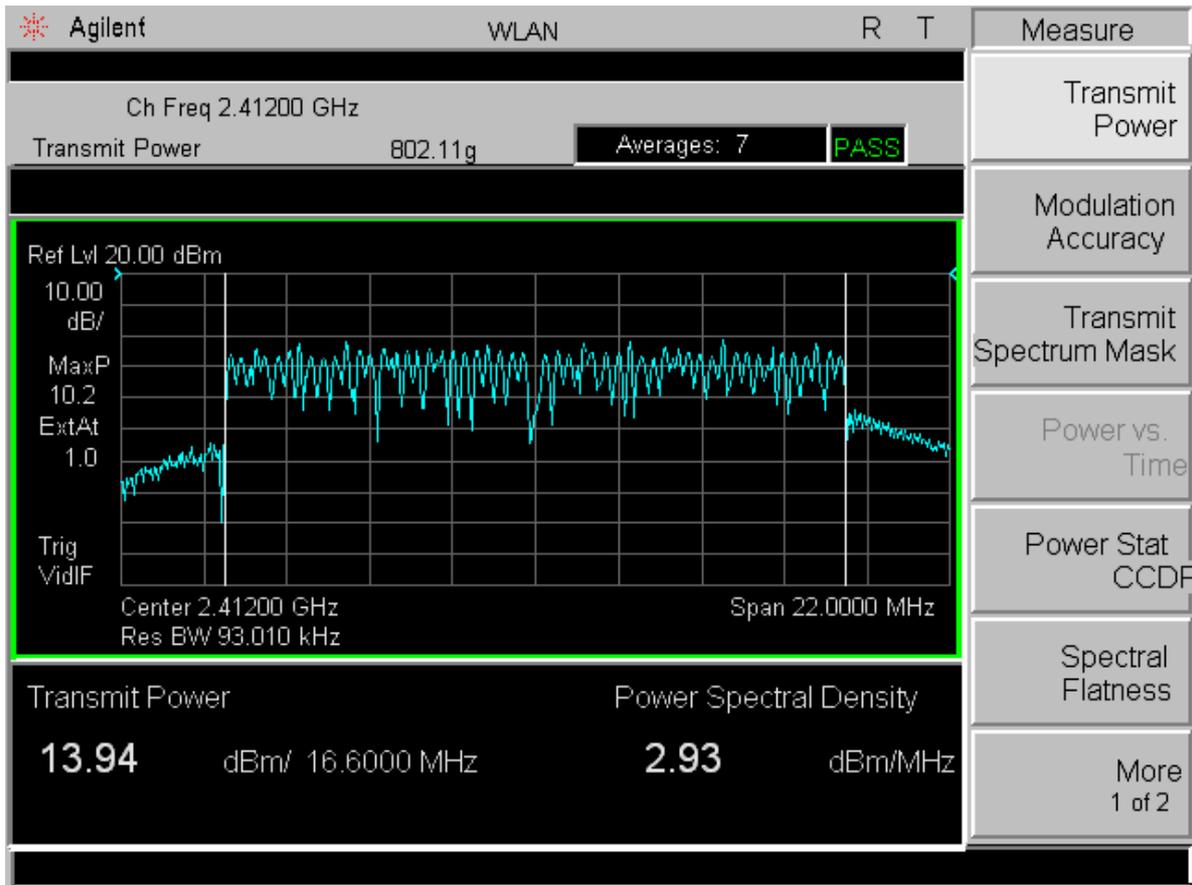
Channel 11 (2462MHz)





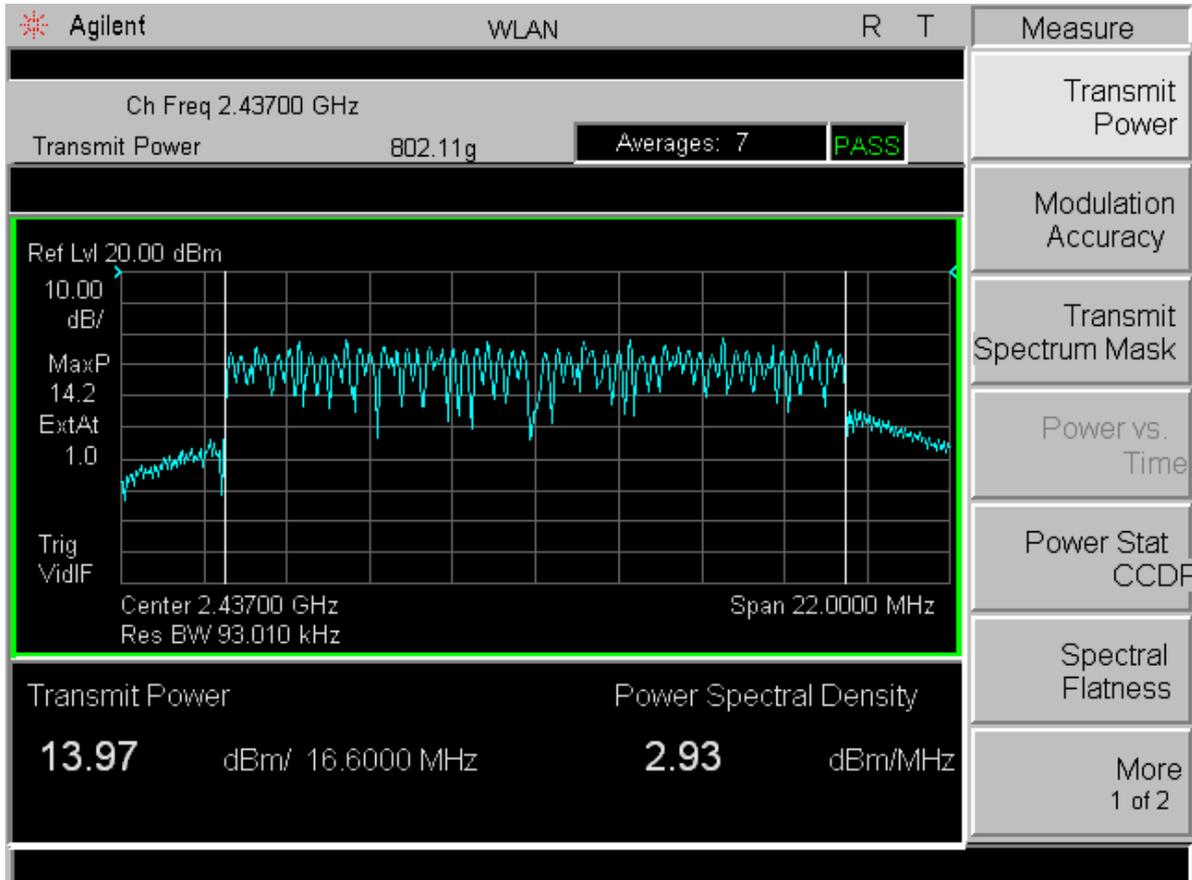
TM2

Channel 1 (2412MHz)



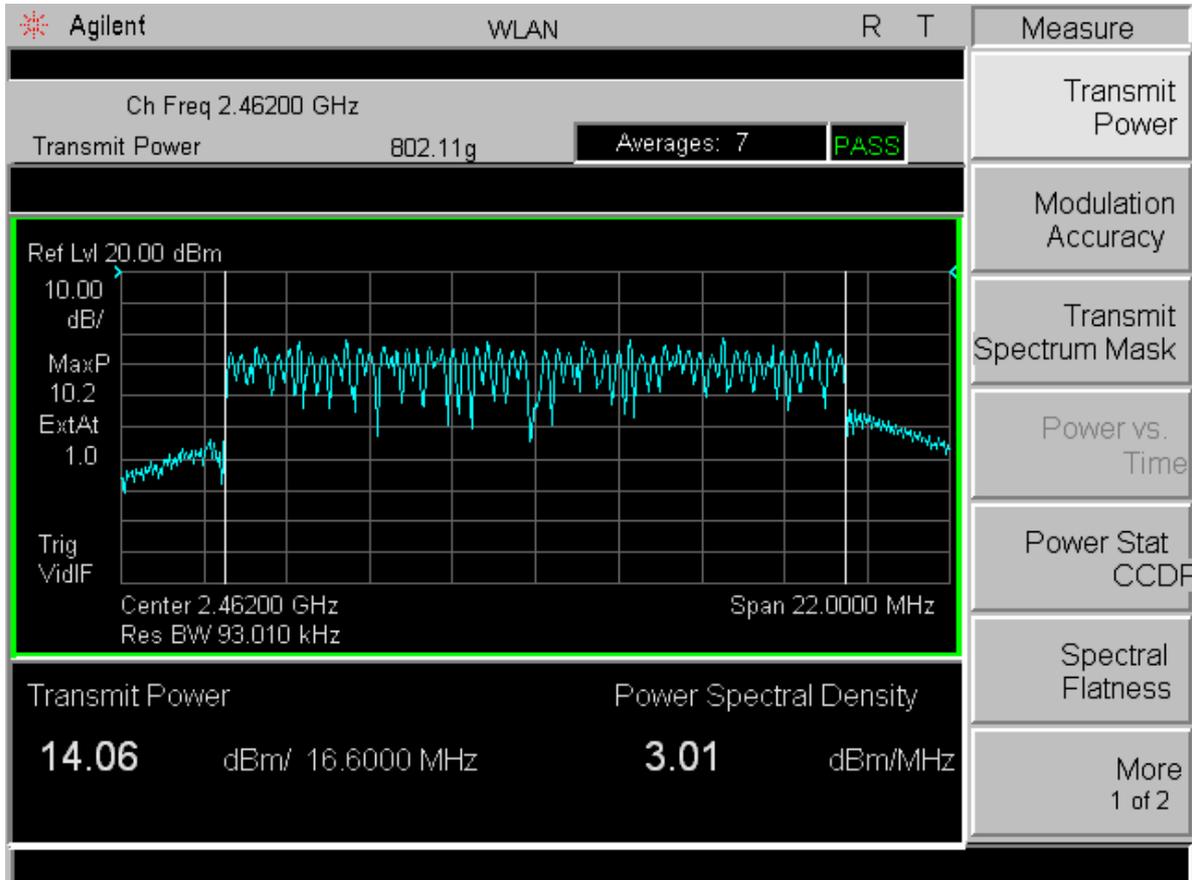


Channel 6 (2437MHz)





Channel 11 (2462MHz)





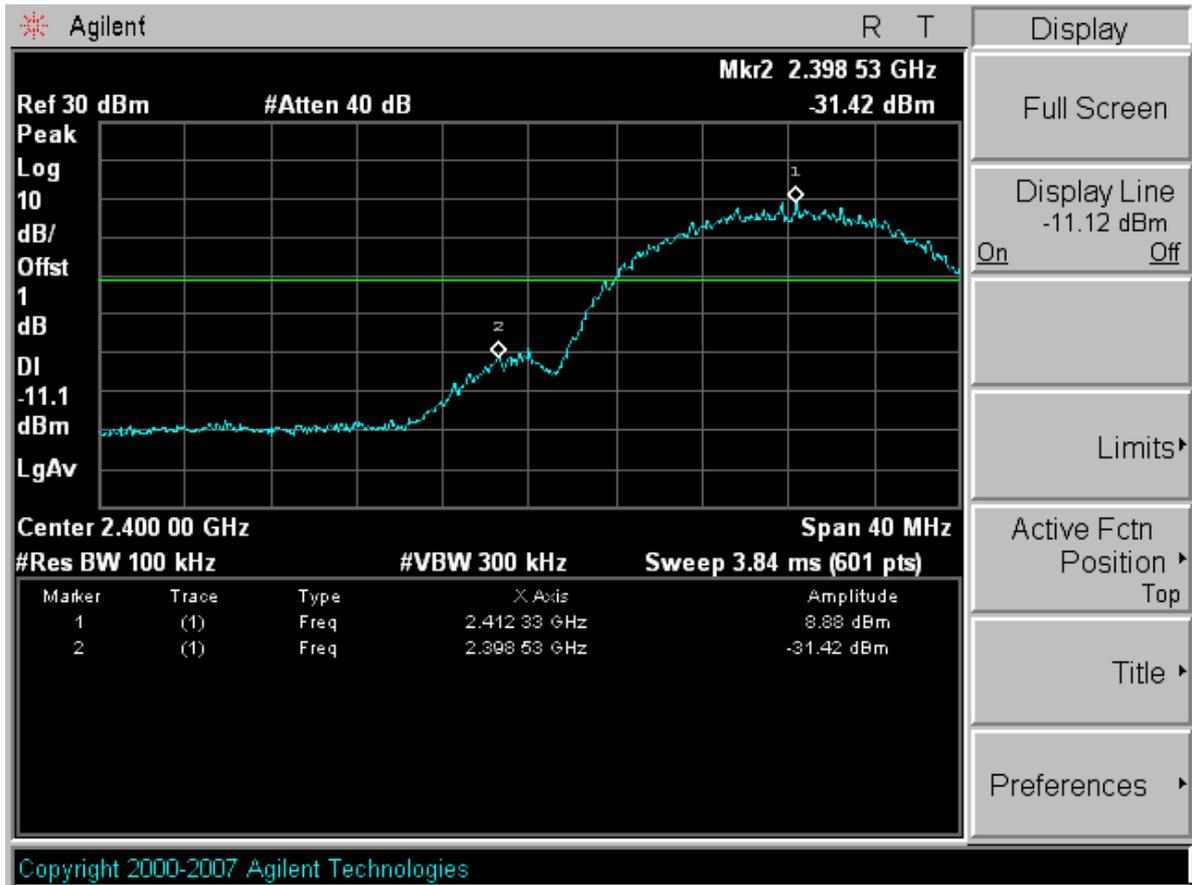
Appendix C

Band edge spurious emission

According to FCC Part 15.247 (d)
RSS-210 Issue 7

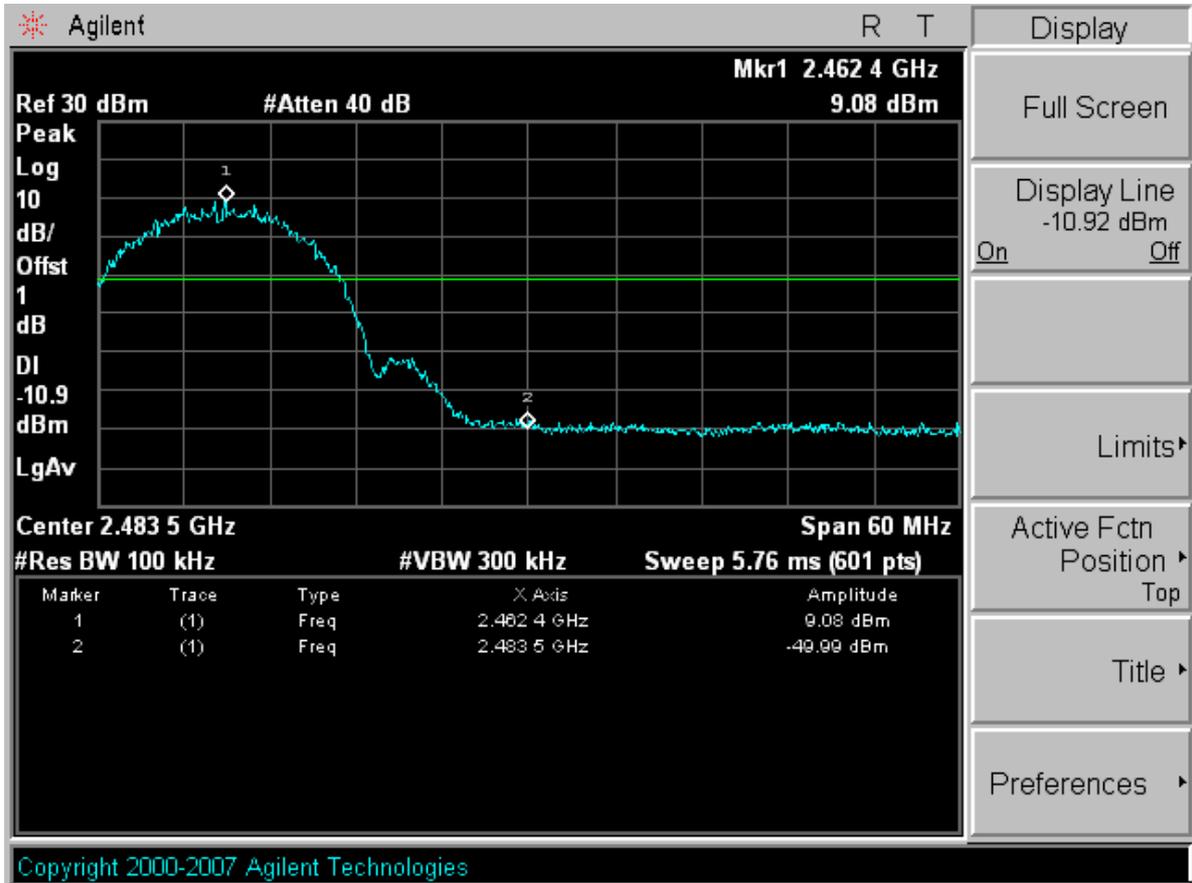


TM1 Low edge



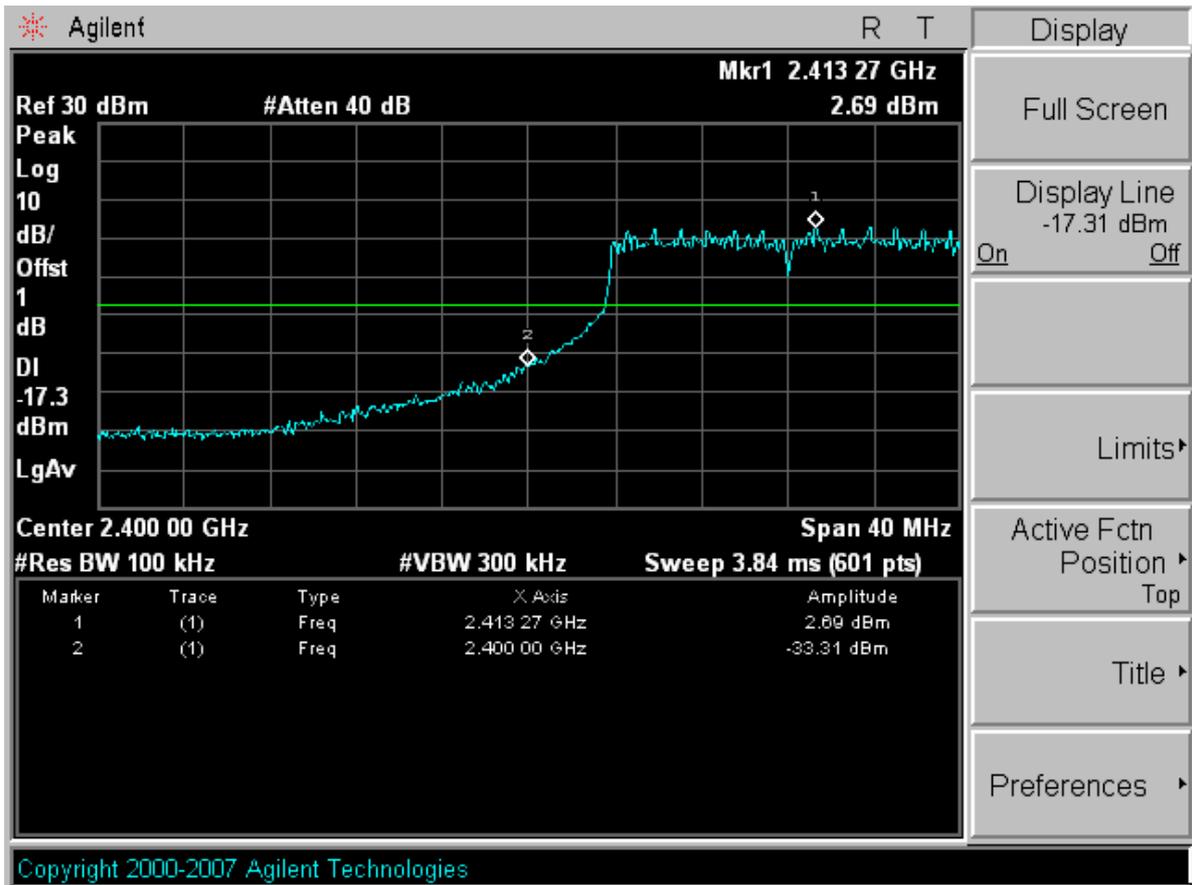


High edge



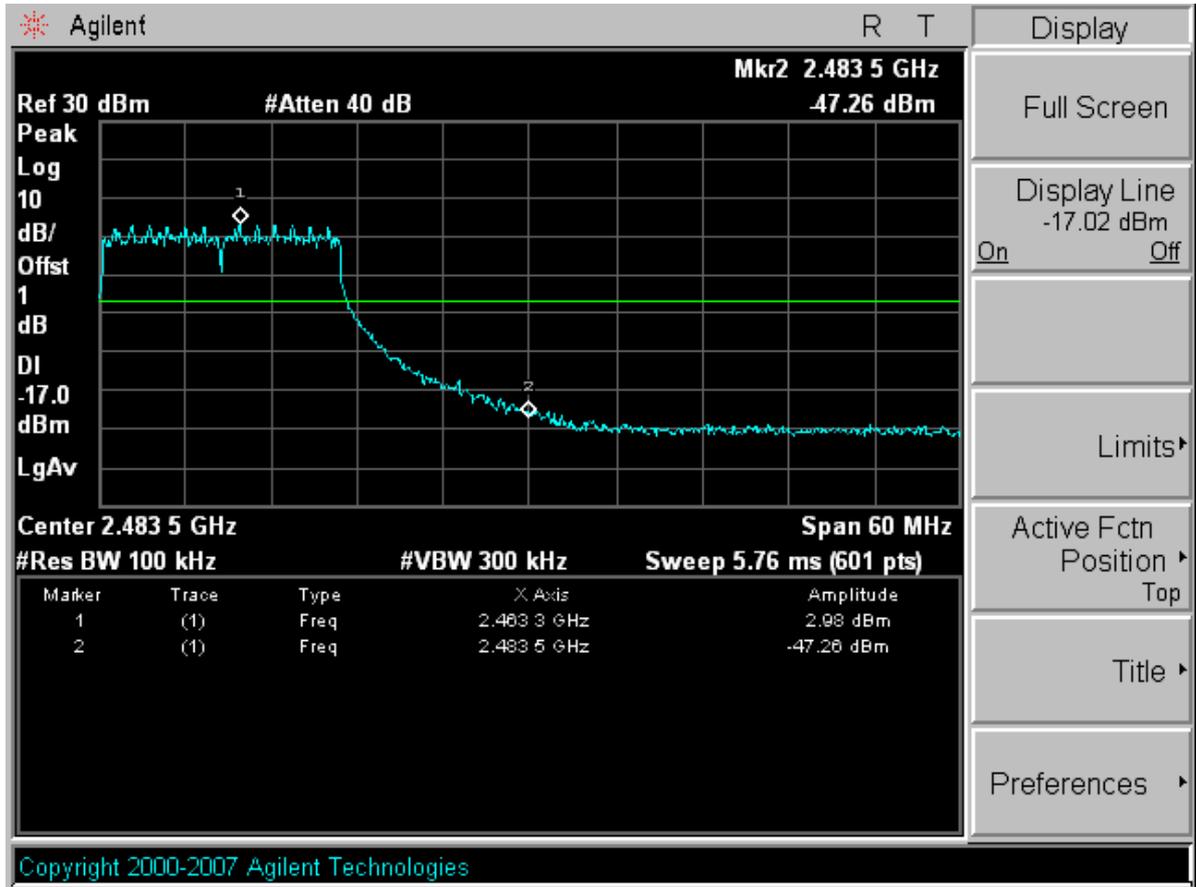


TM2 Low edge





High edge





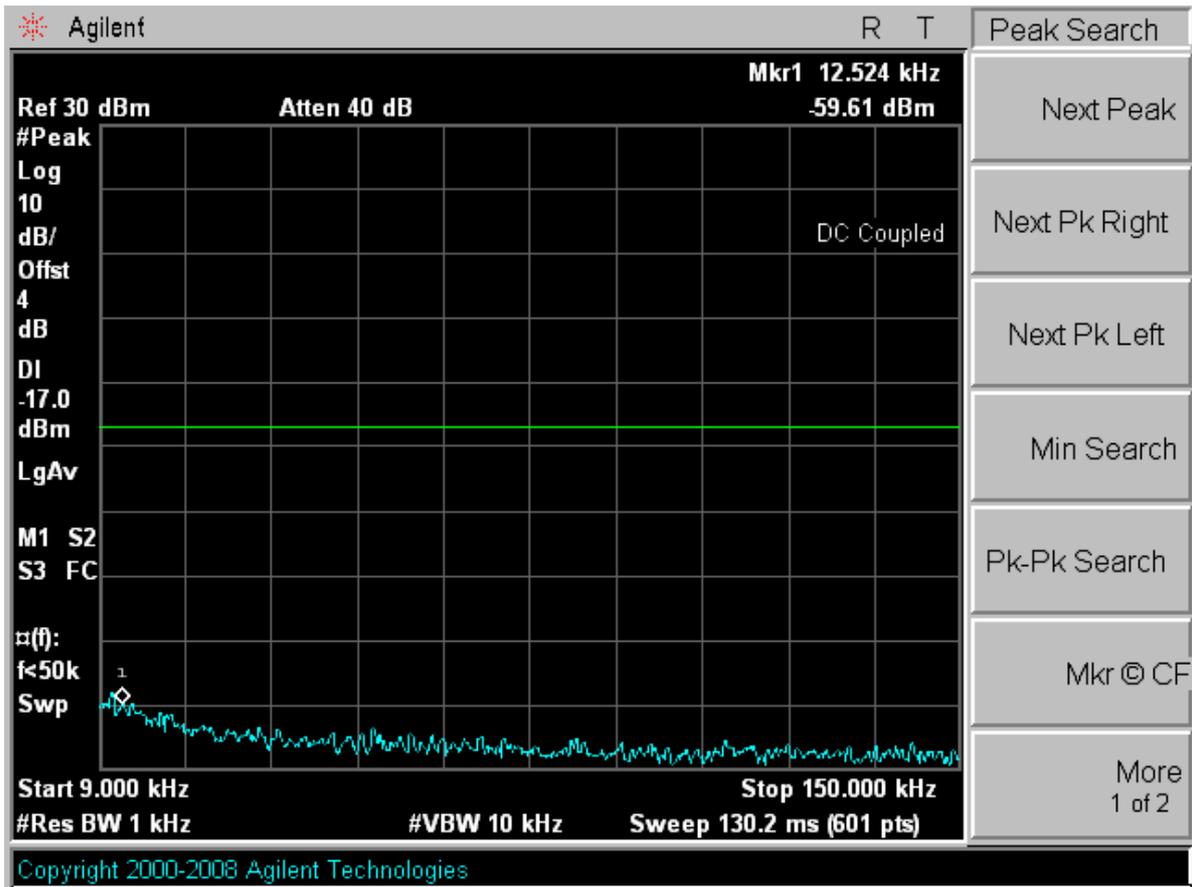
Appendix D

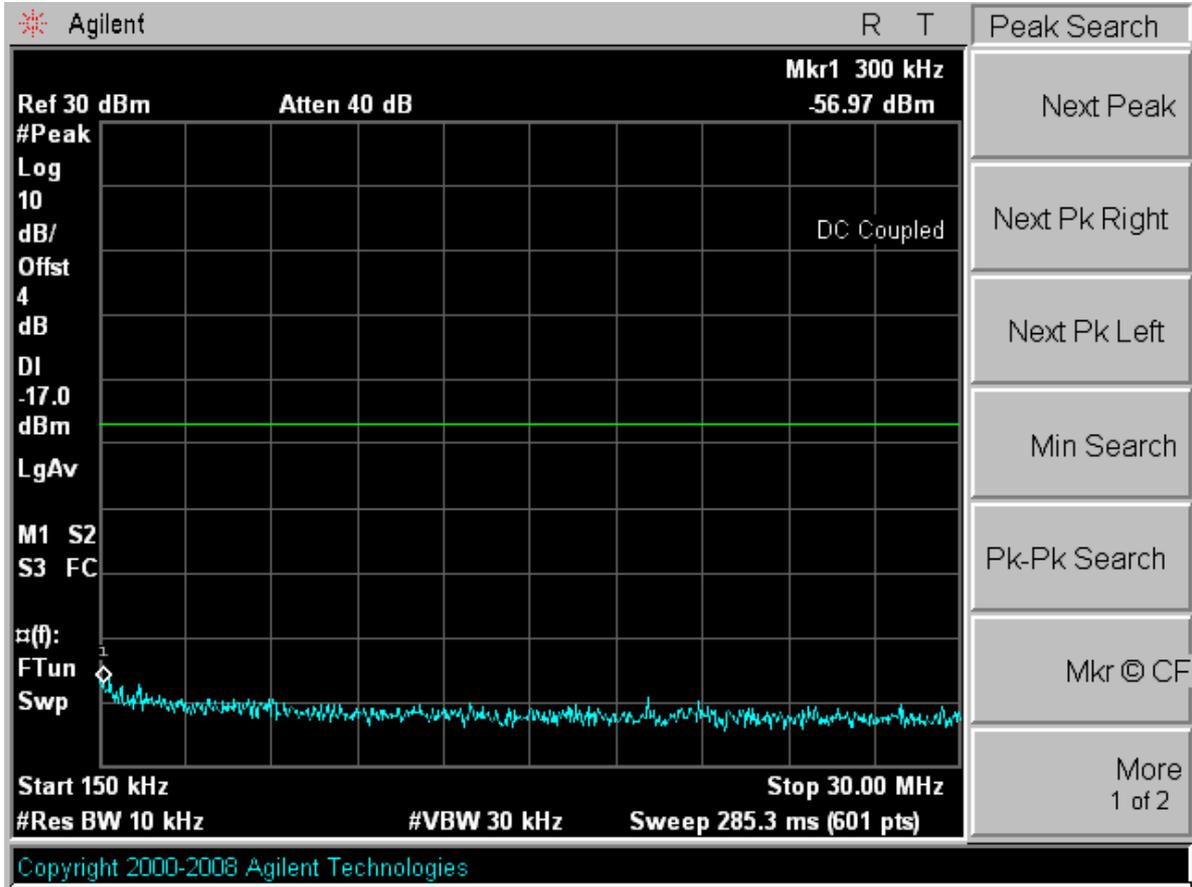
Conducted RF spurious

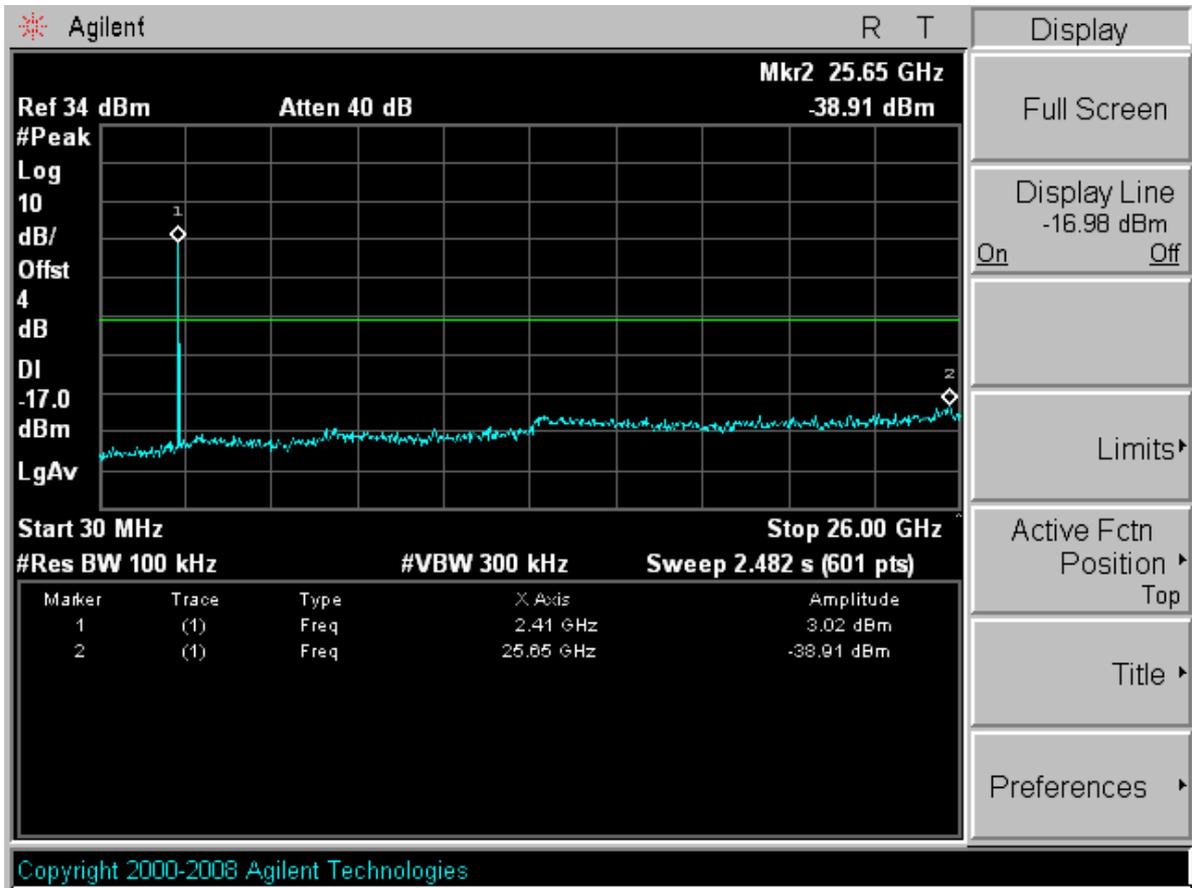
According to FCC Part 15.247 (d)
RSS-210 Issue 7



TM1 Channel 1

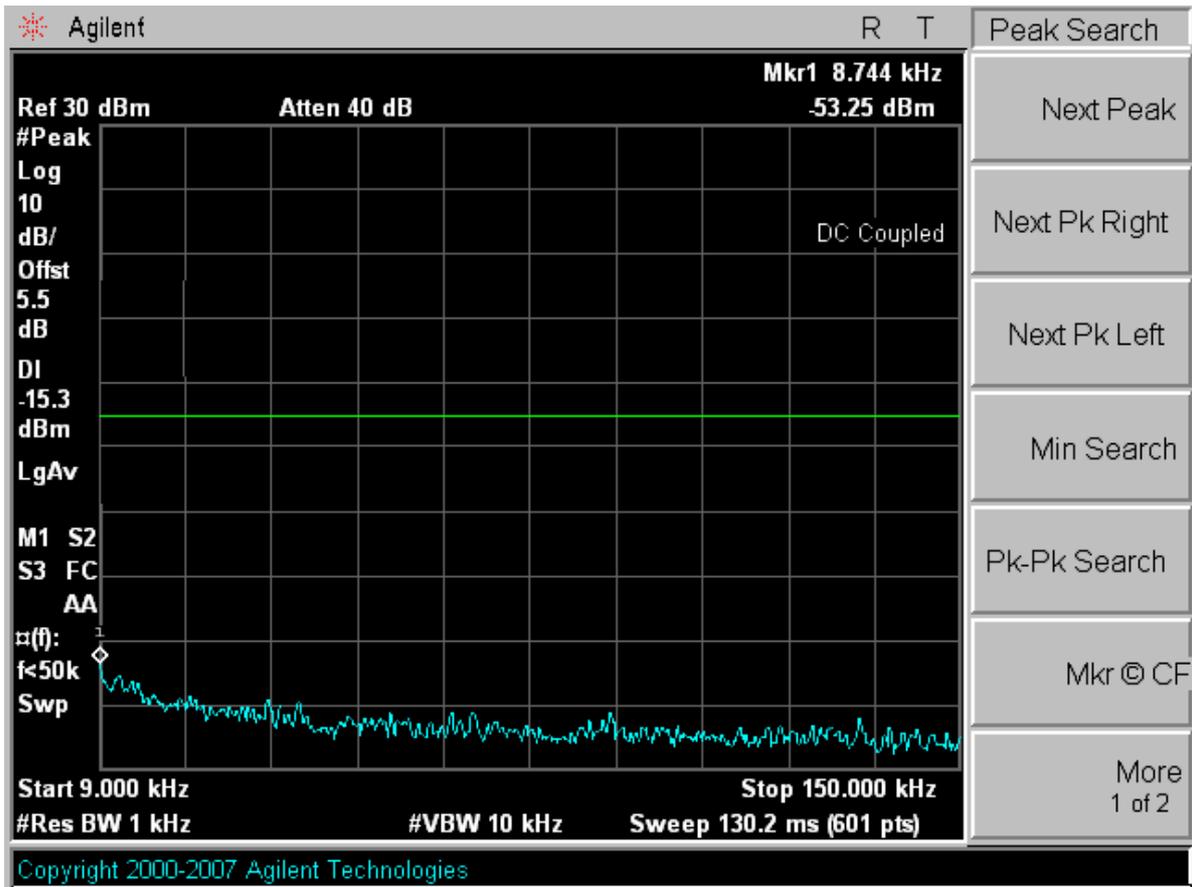


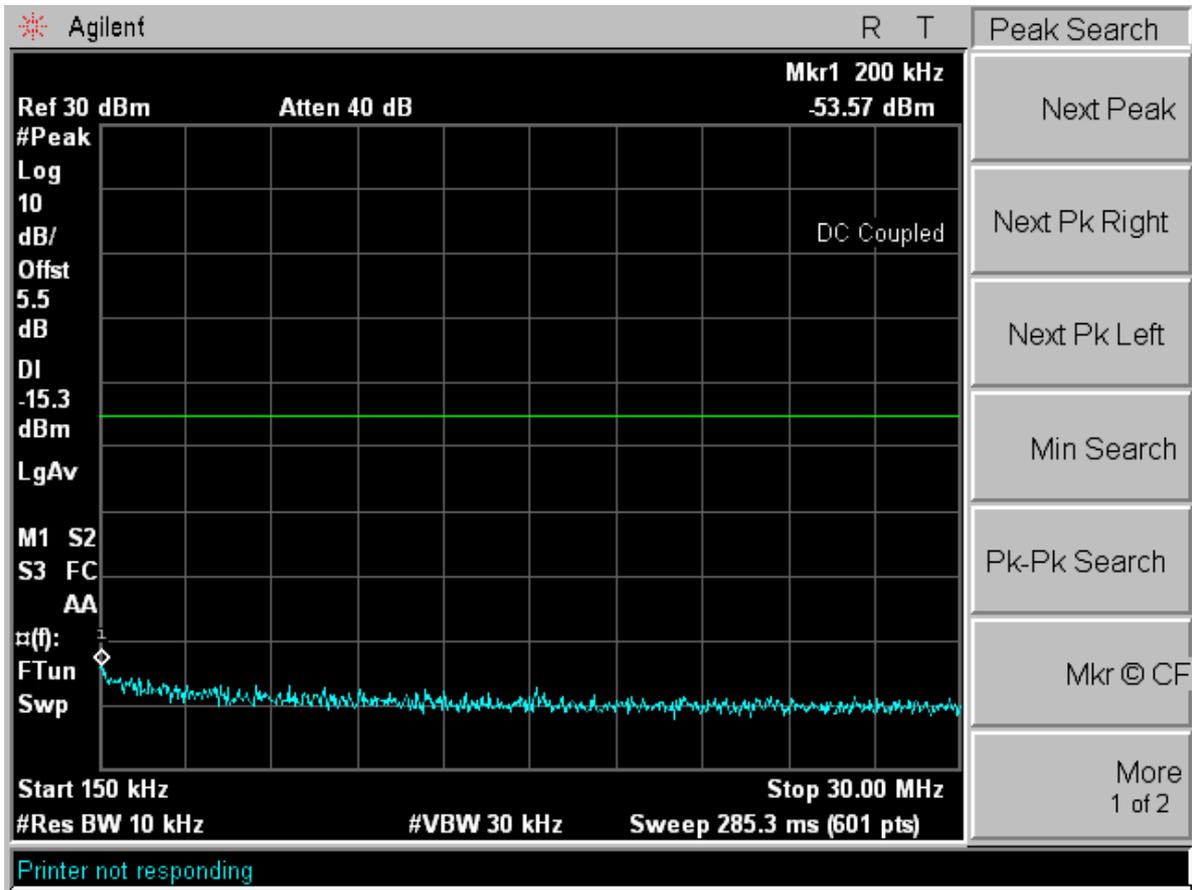


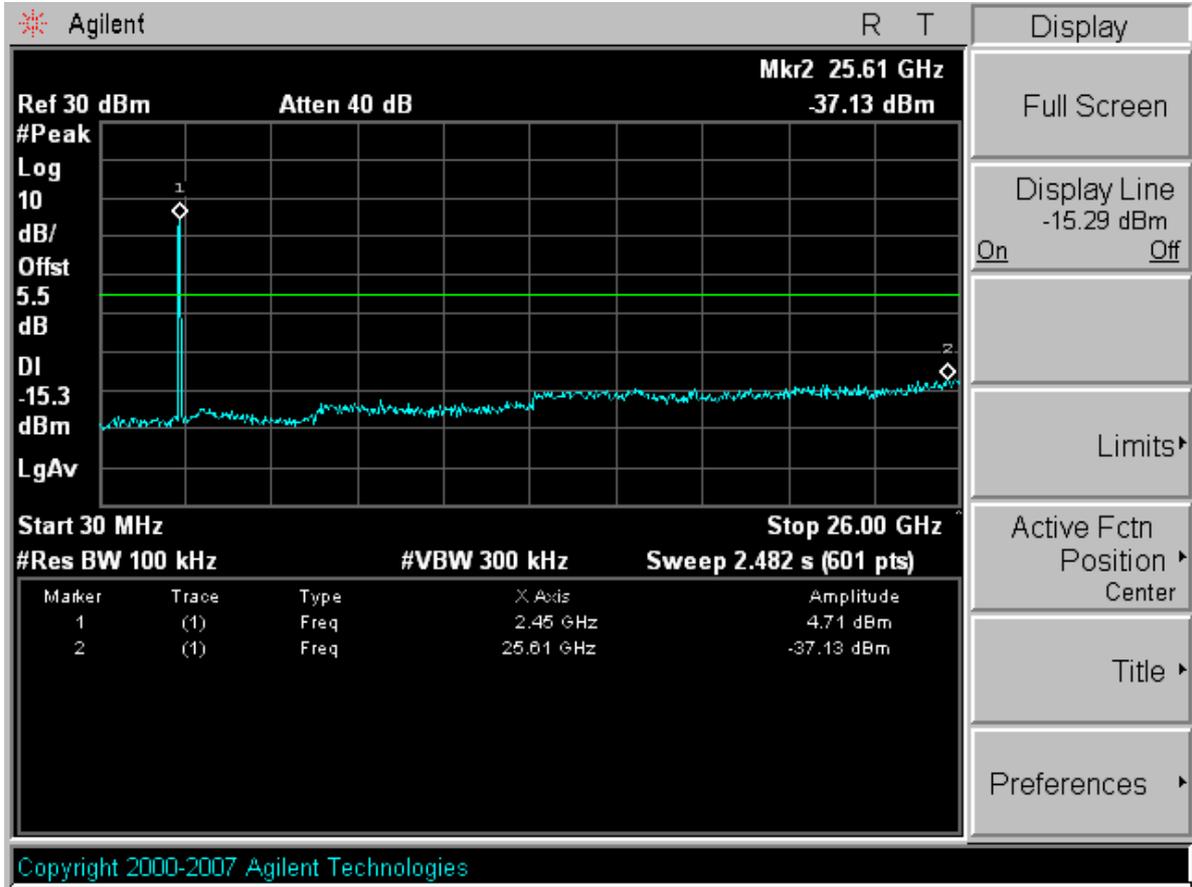




Channel 6

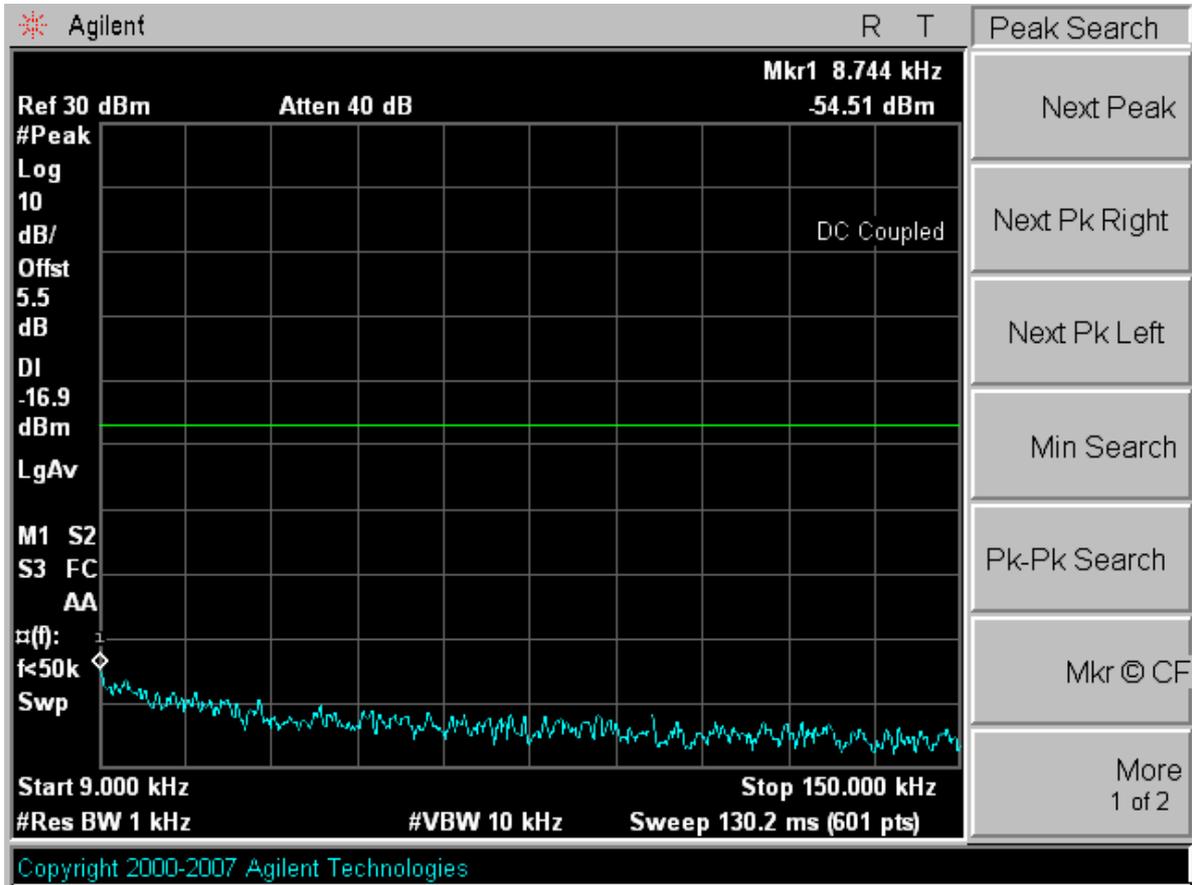


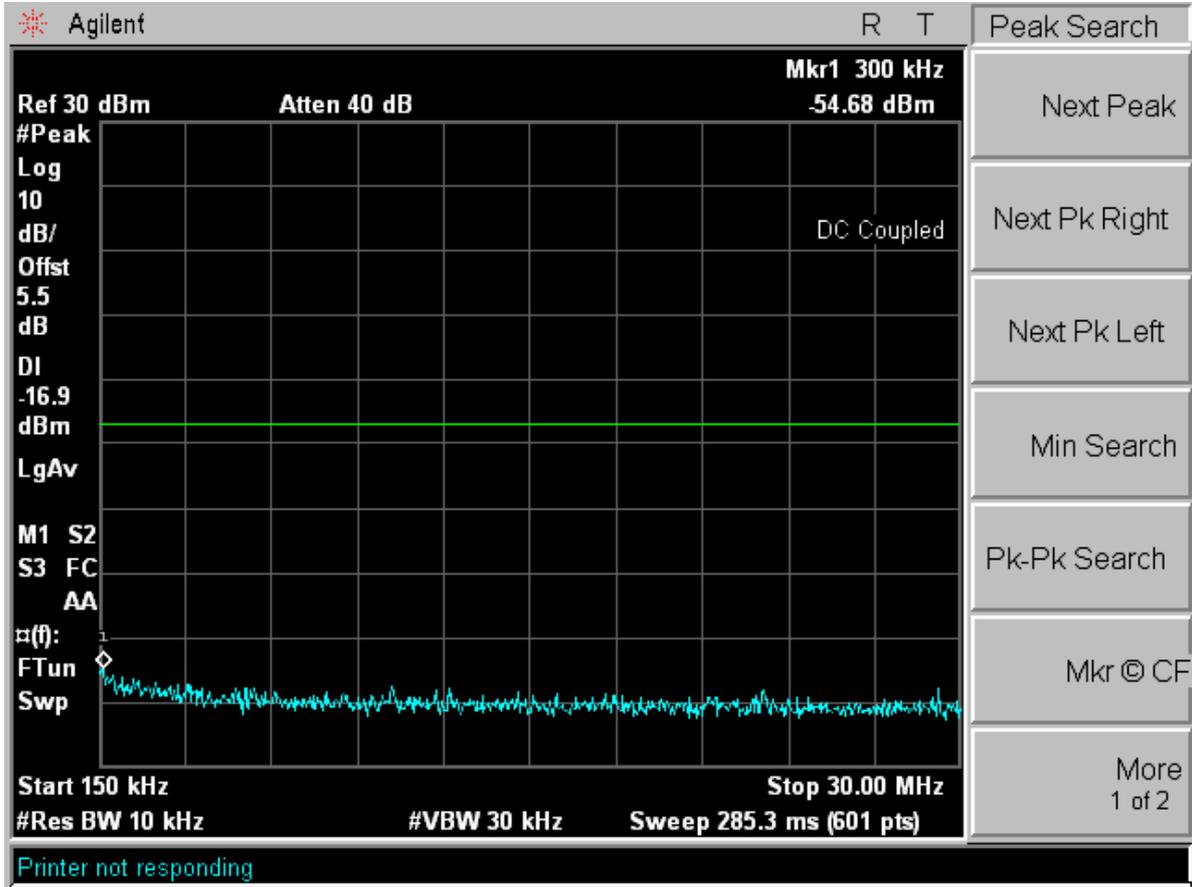


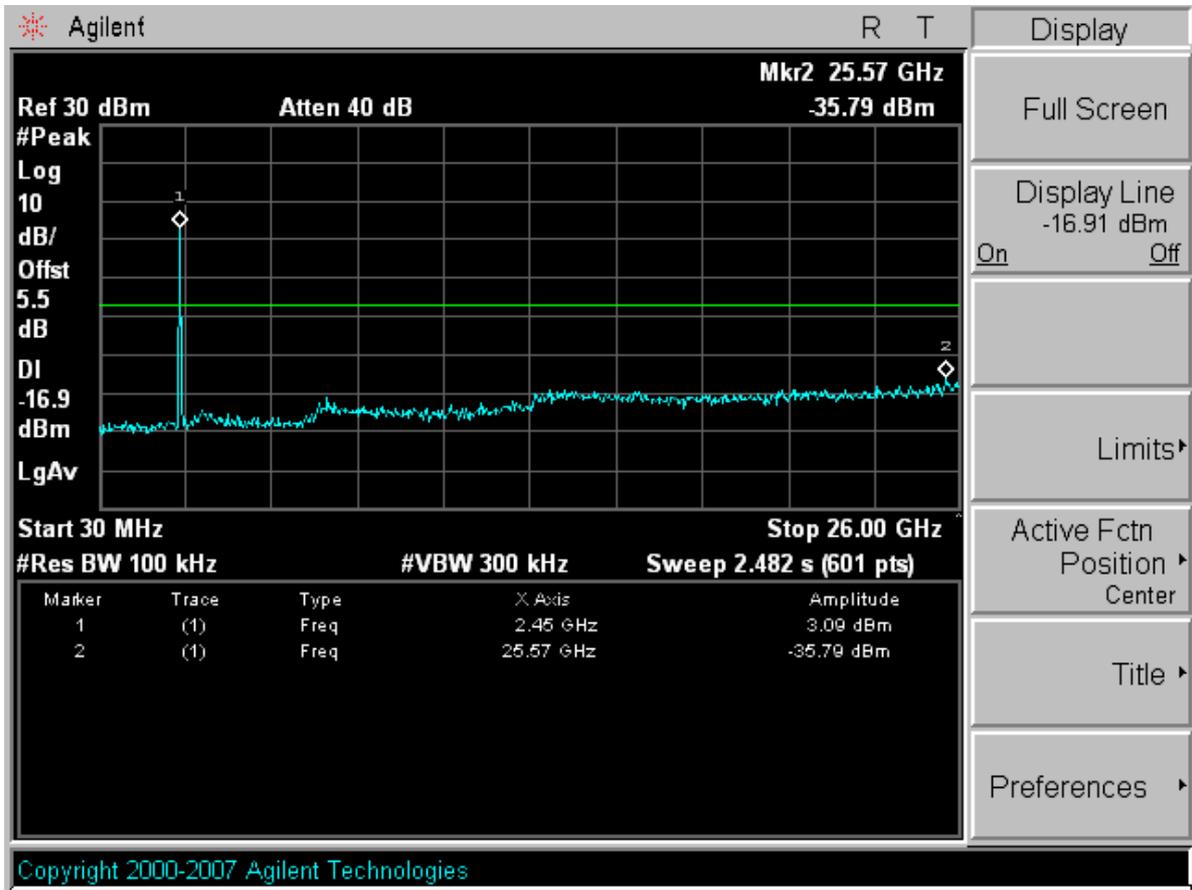




Channel 11

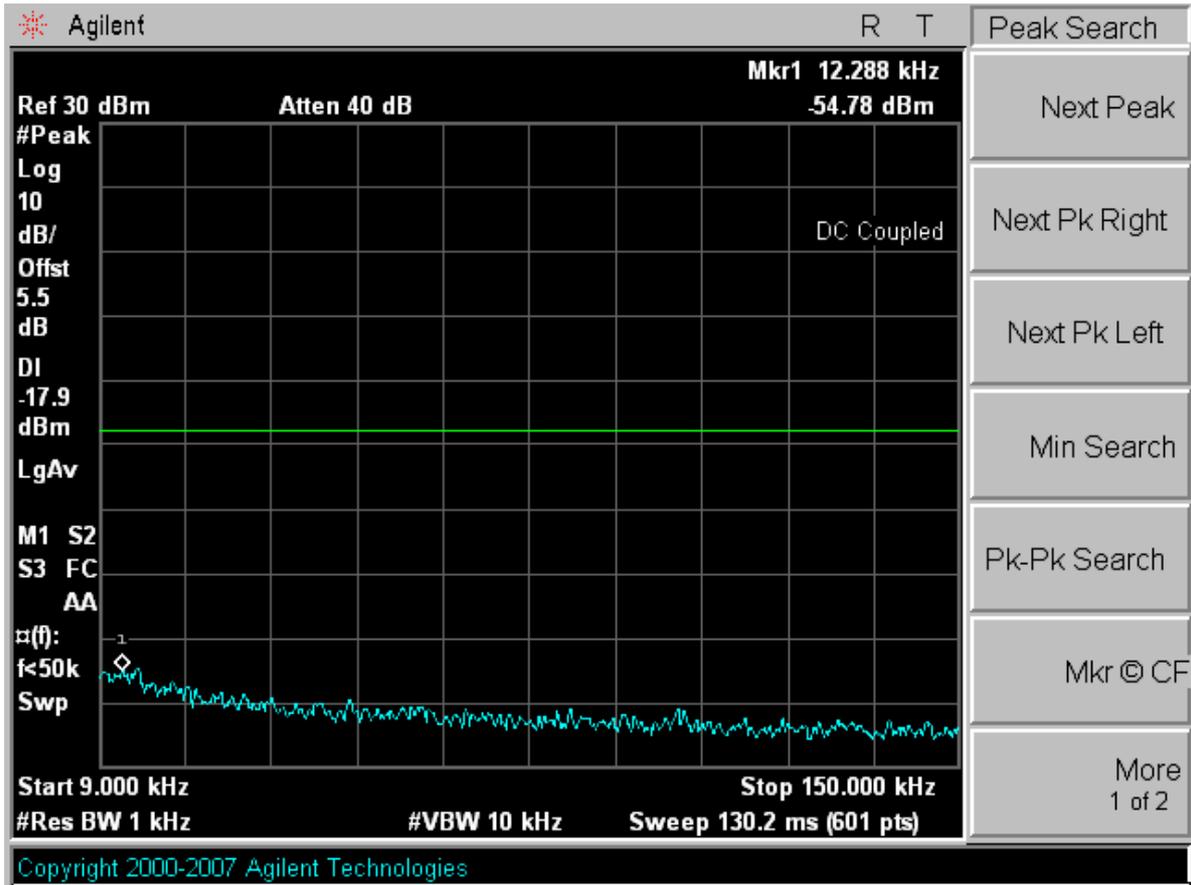


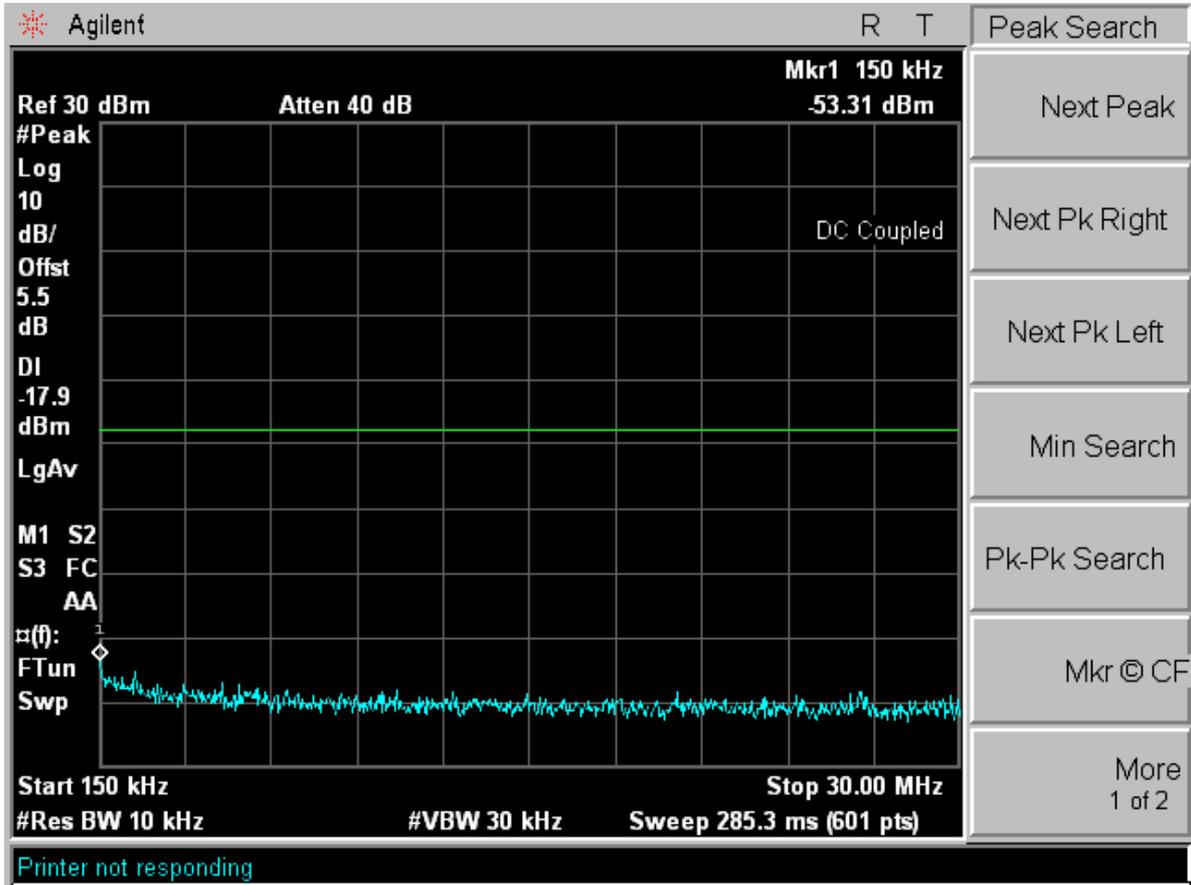


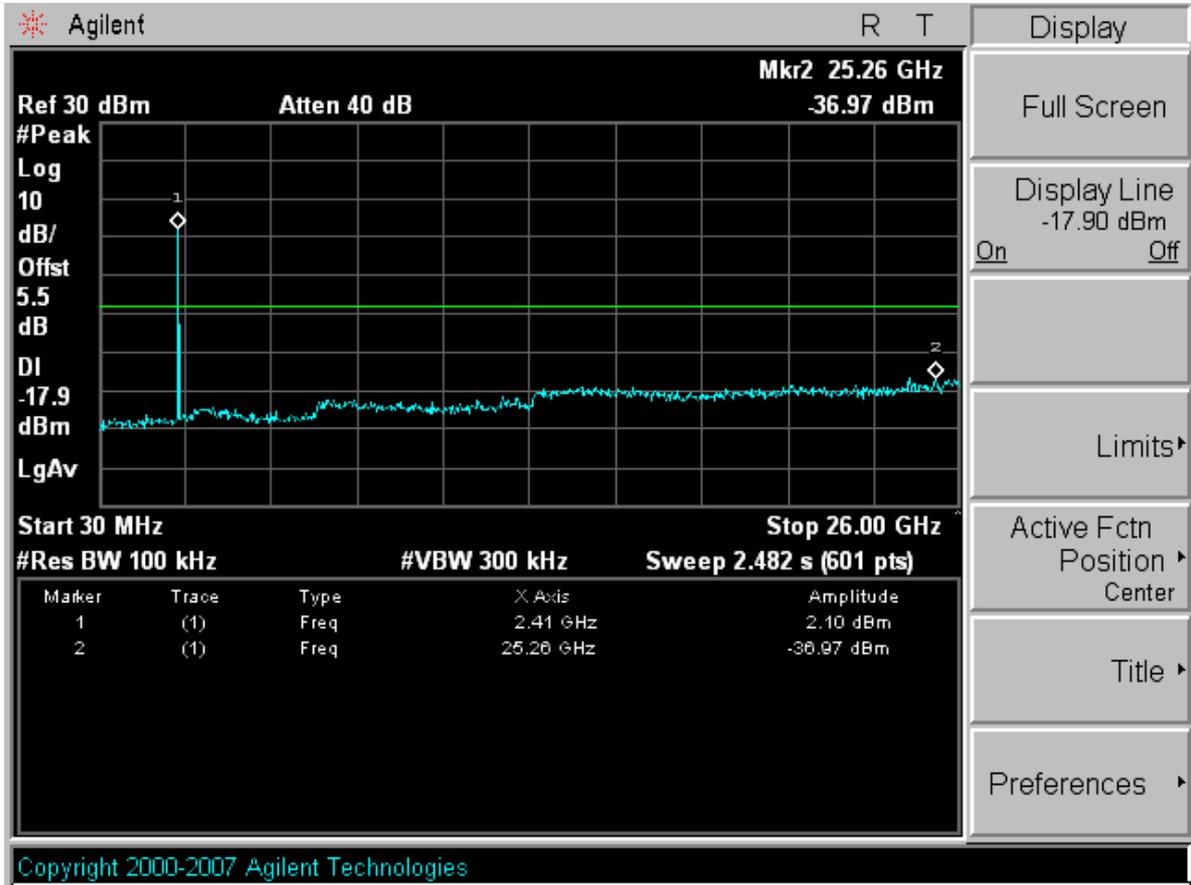




TM2 Channel 1

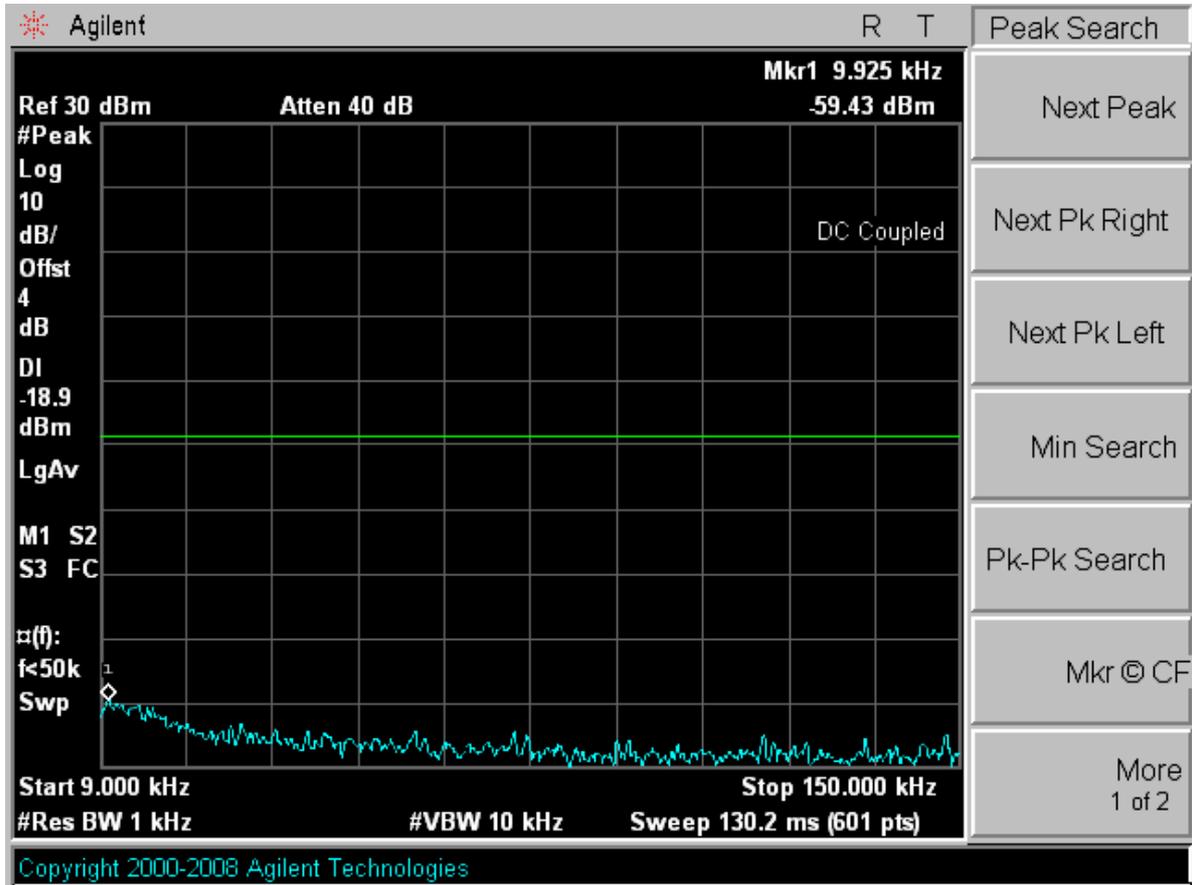


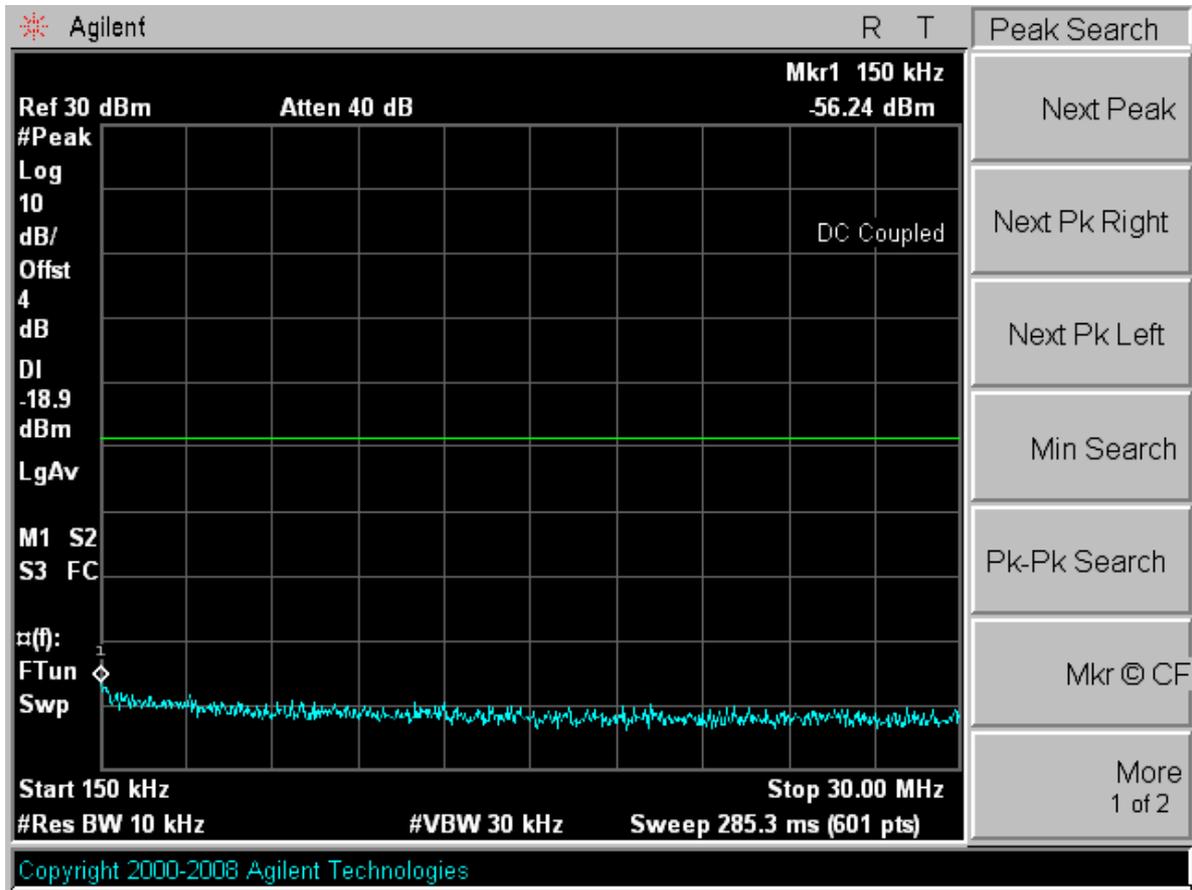


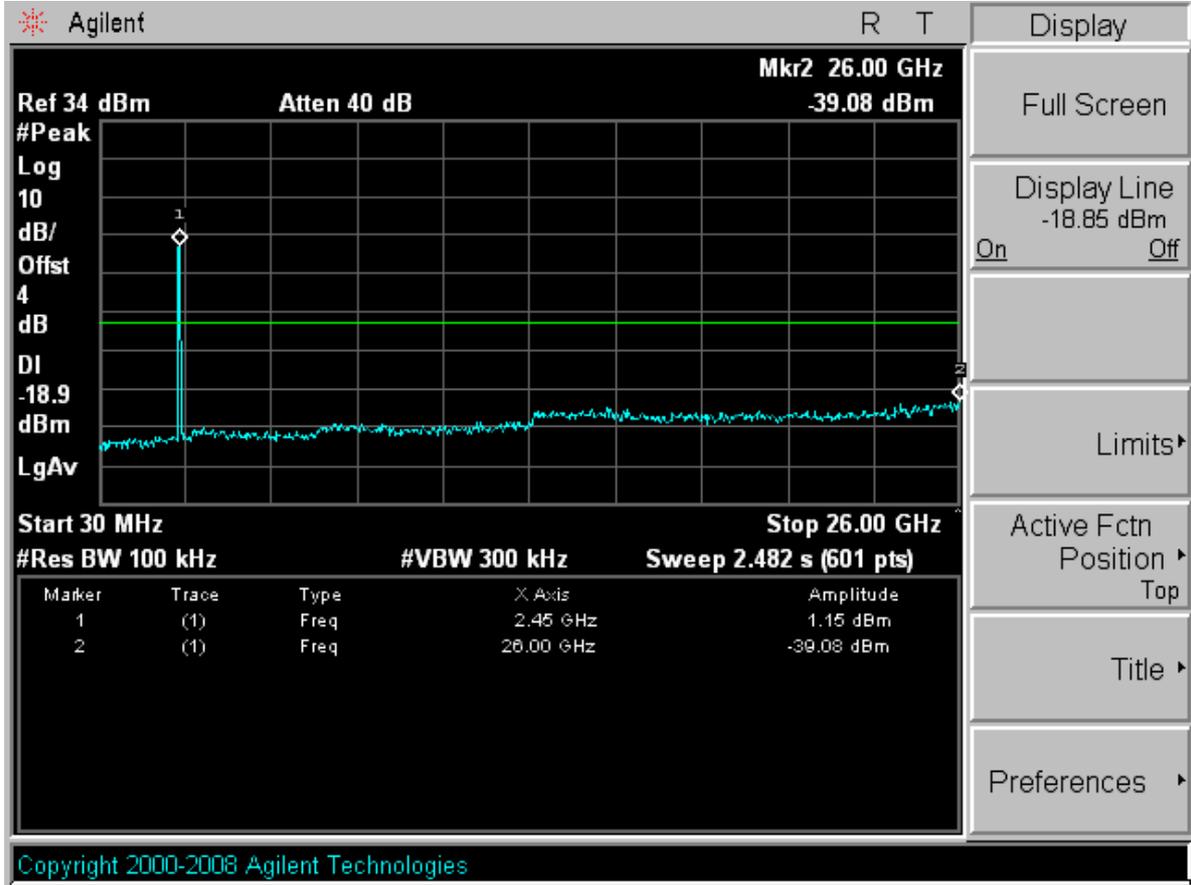




Channel 6

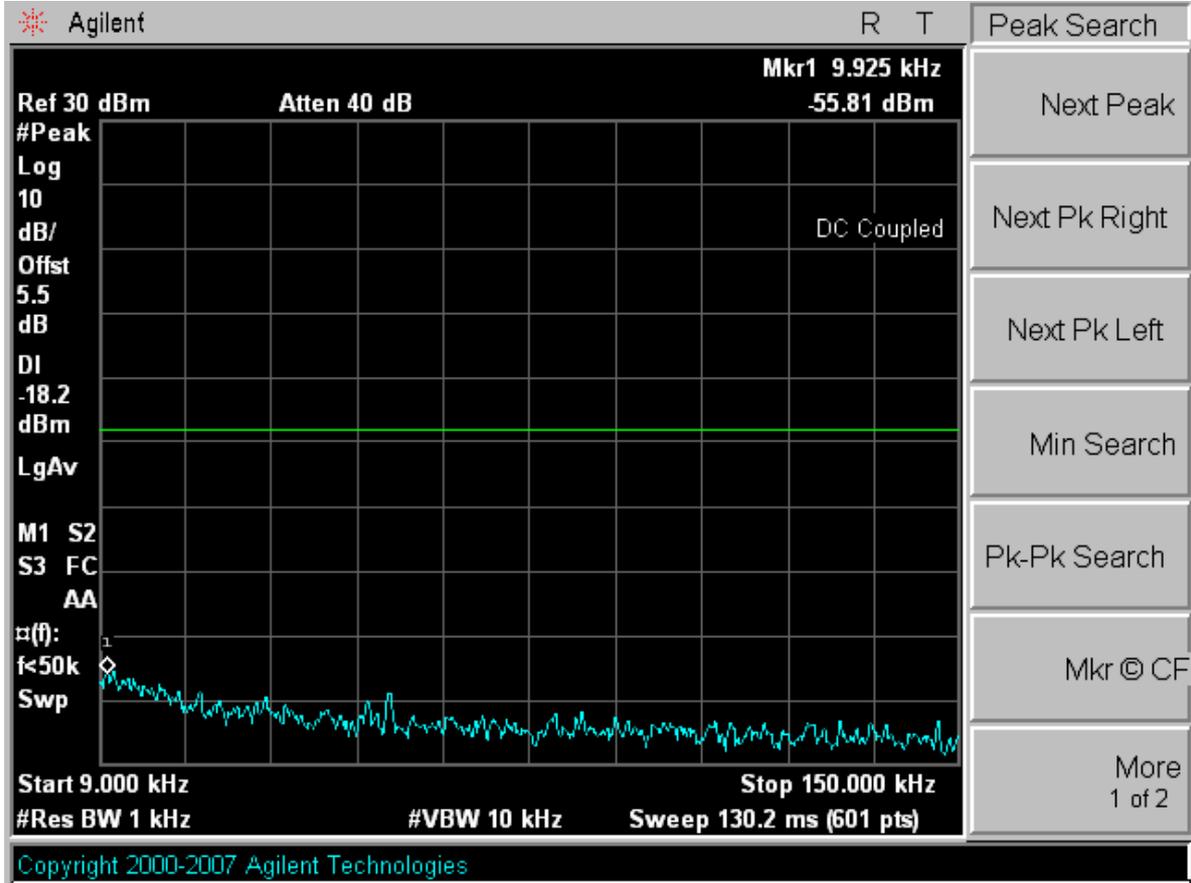


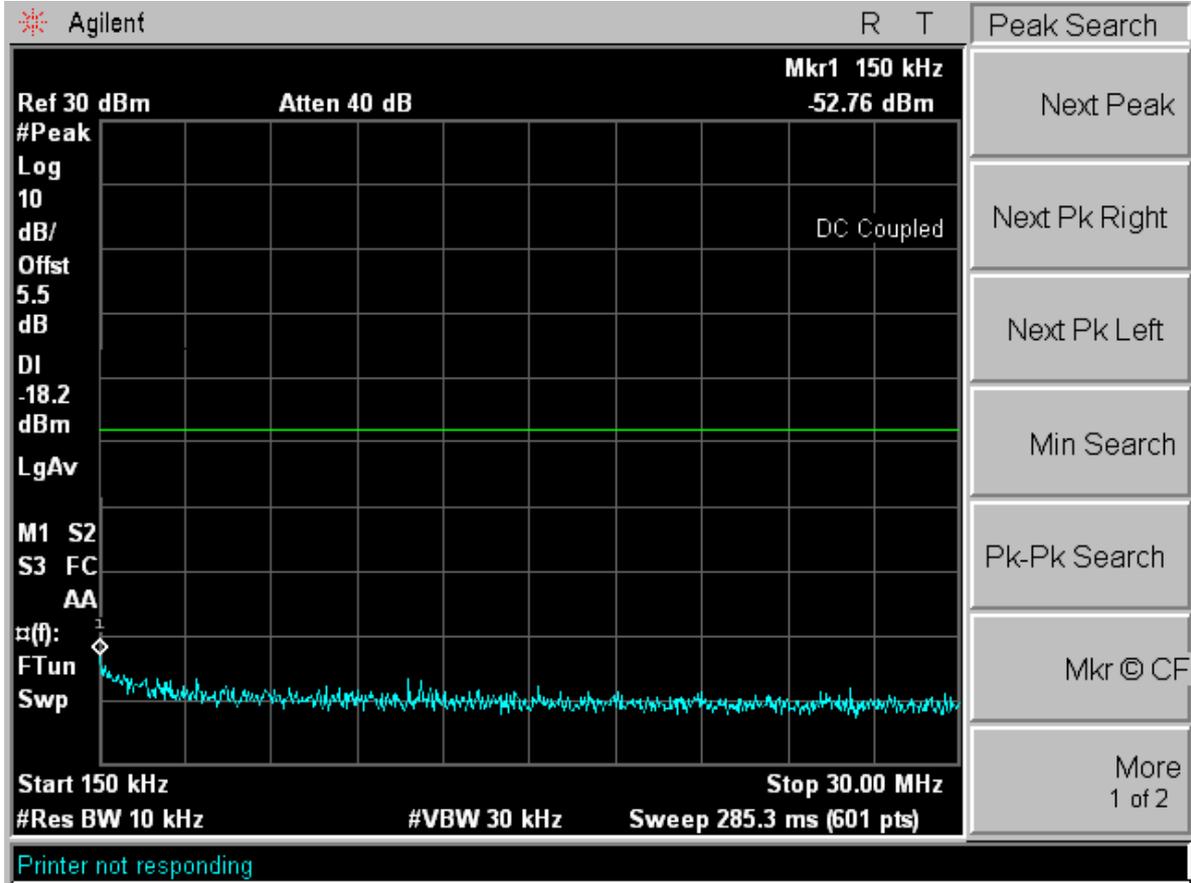


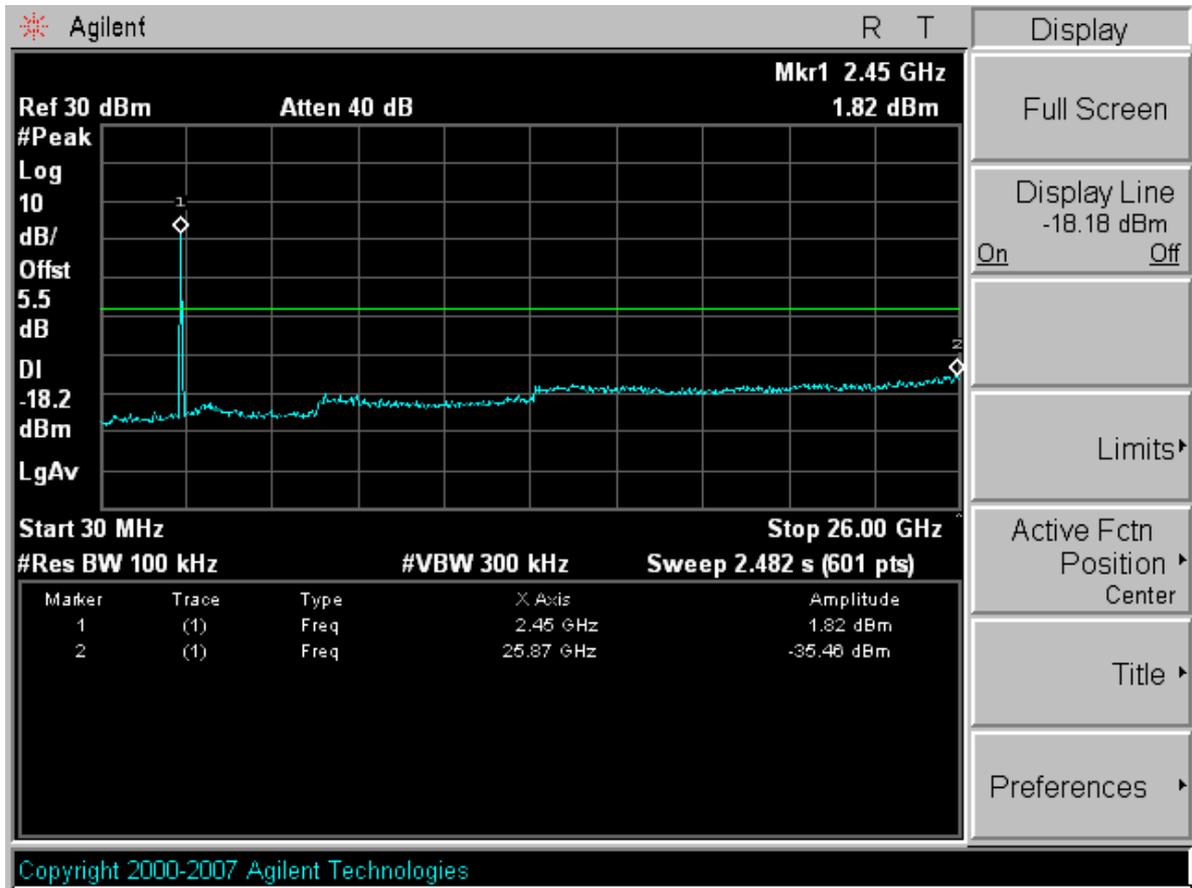




Channel 11









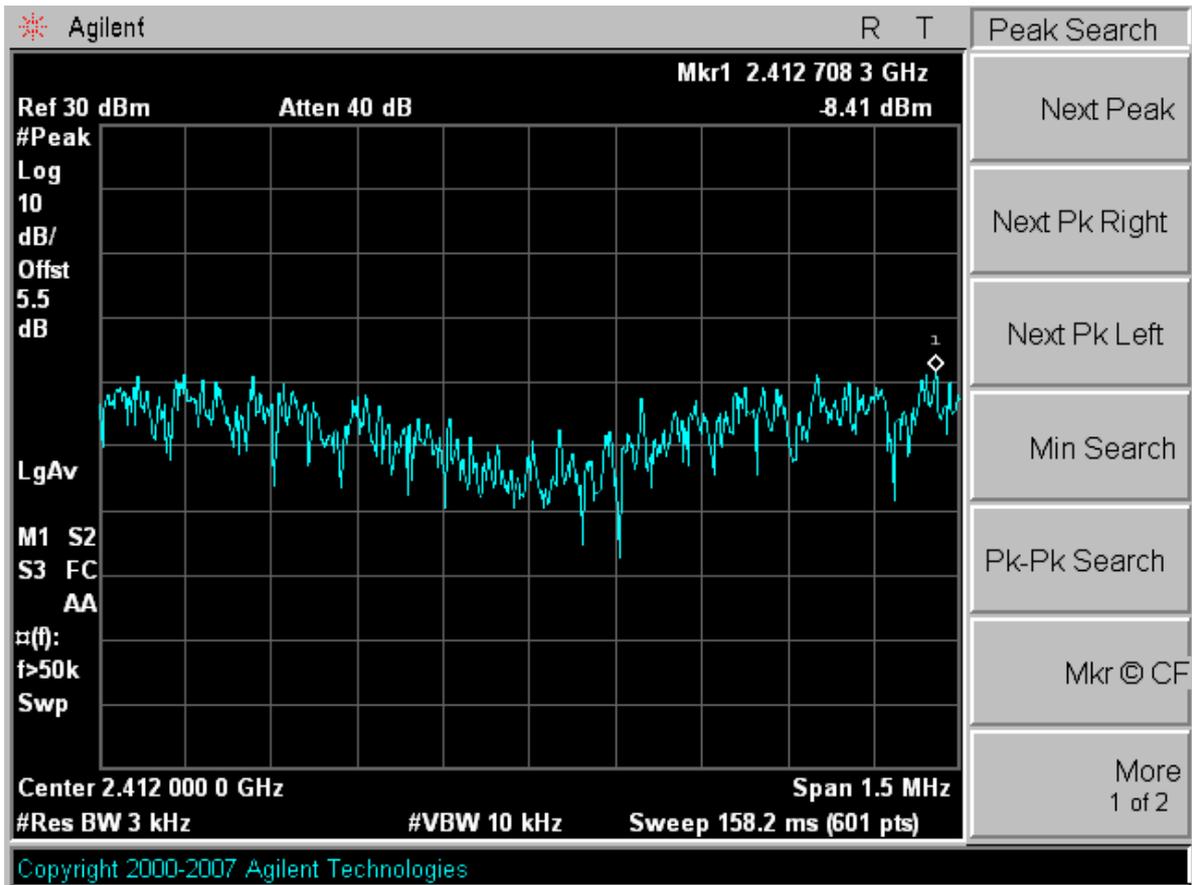
Appendix E

Power spectral density

According to FCC Part 15.247 (e)
RSS-210 Issue 7

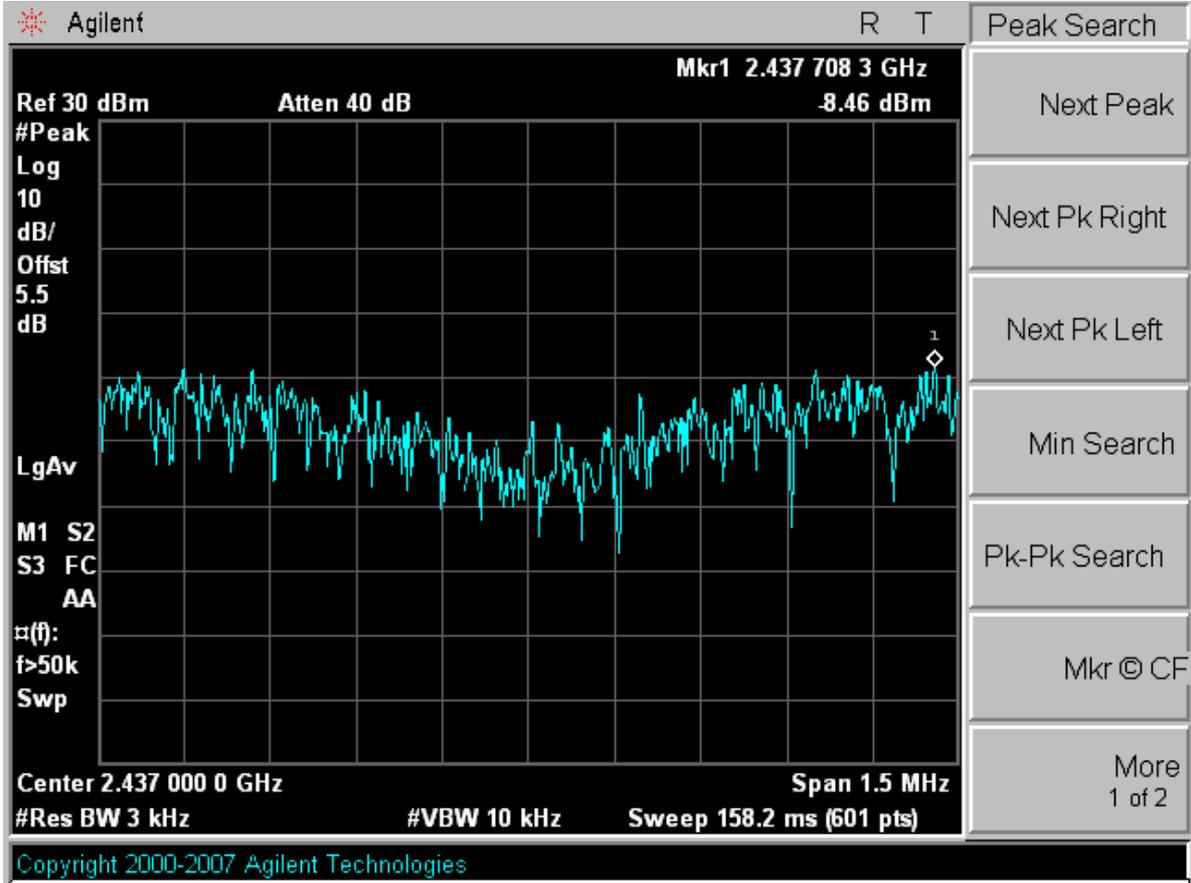


TM1 Channel 1



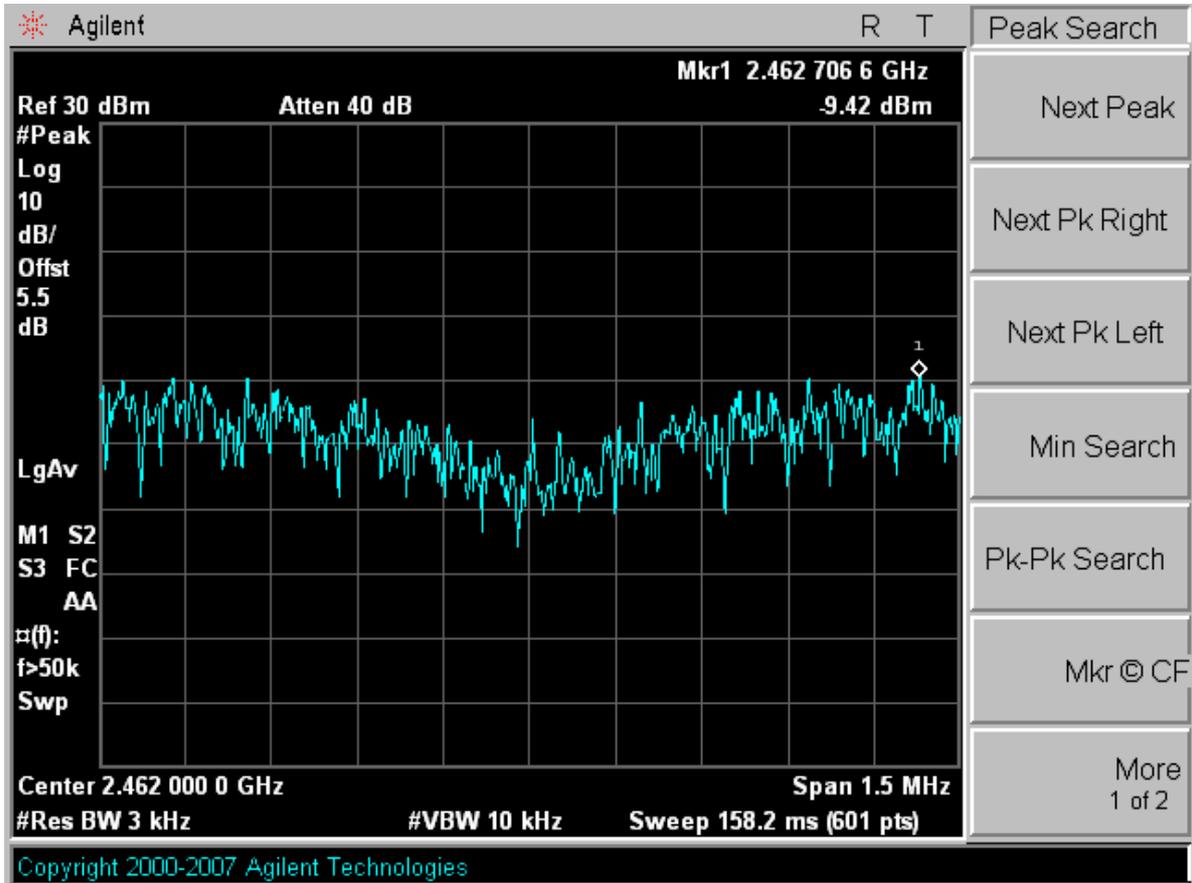


Channel 6



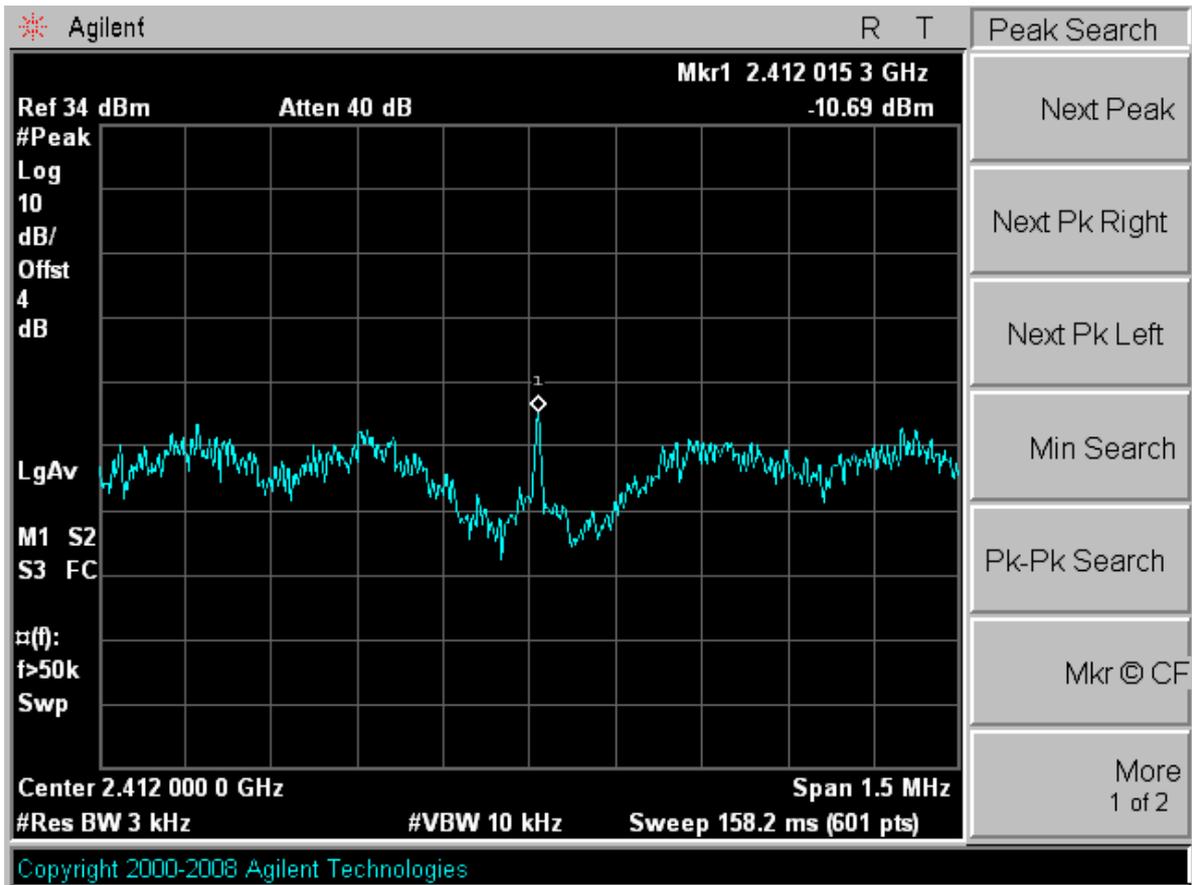


Channel 11



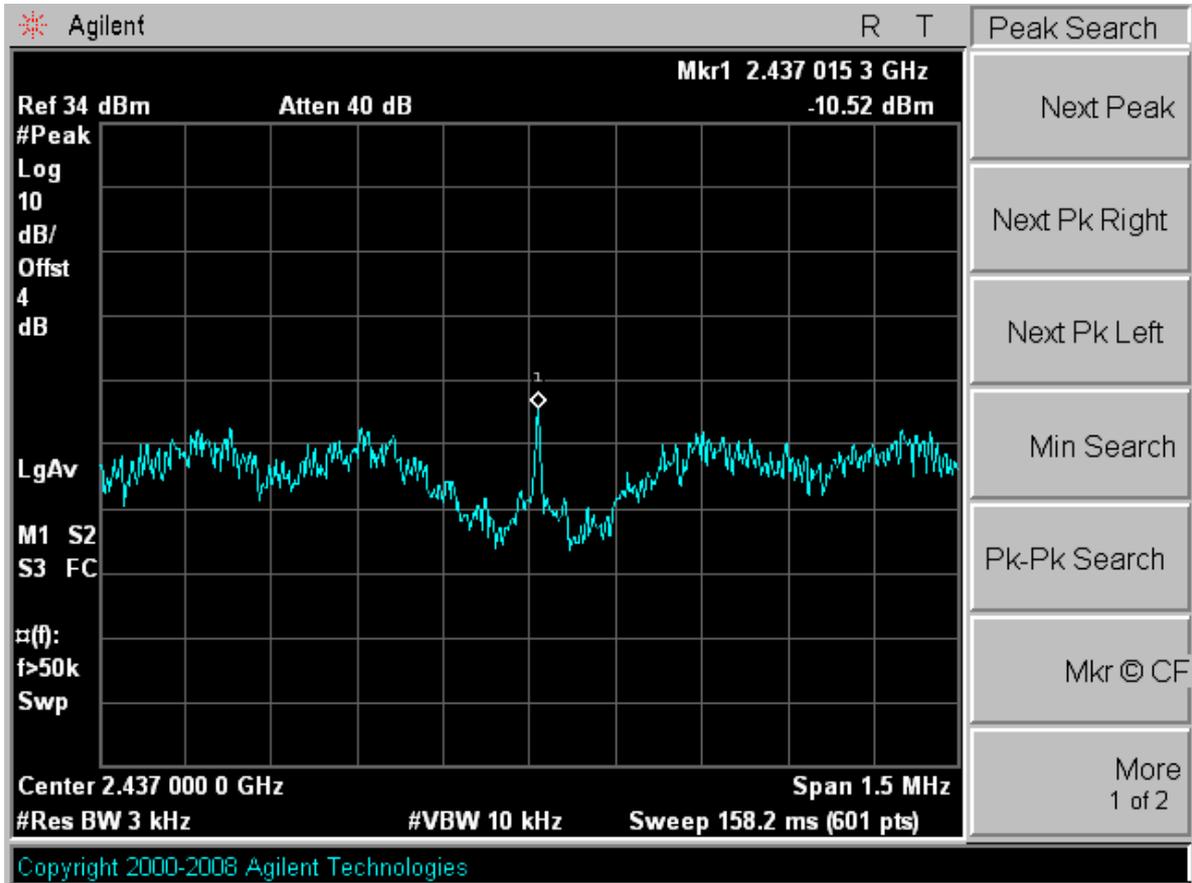


TM2 Channel 1



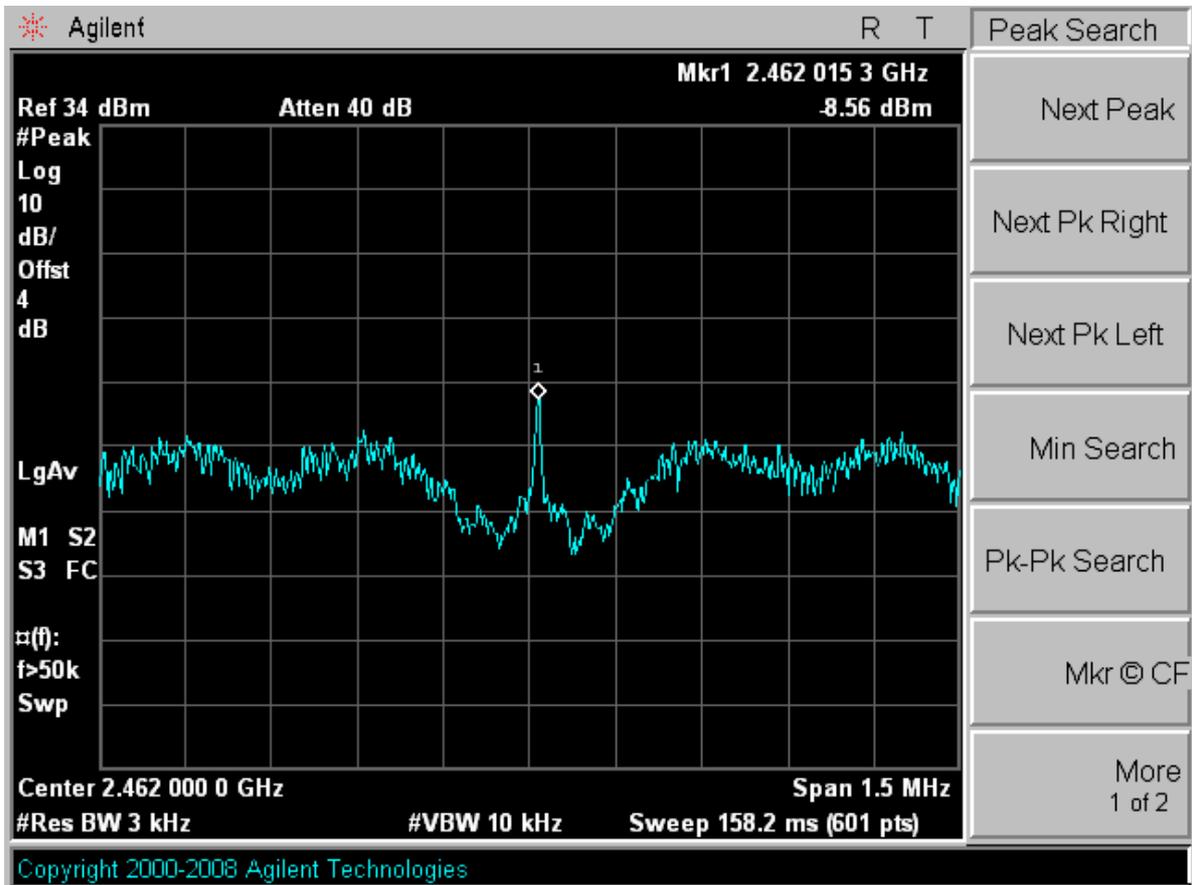


Channel 6





Channel 11





Appendix F

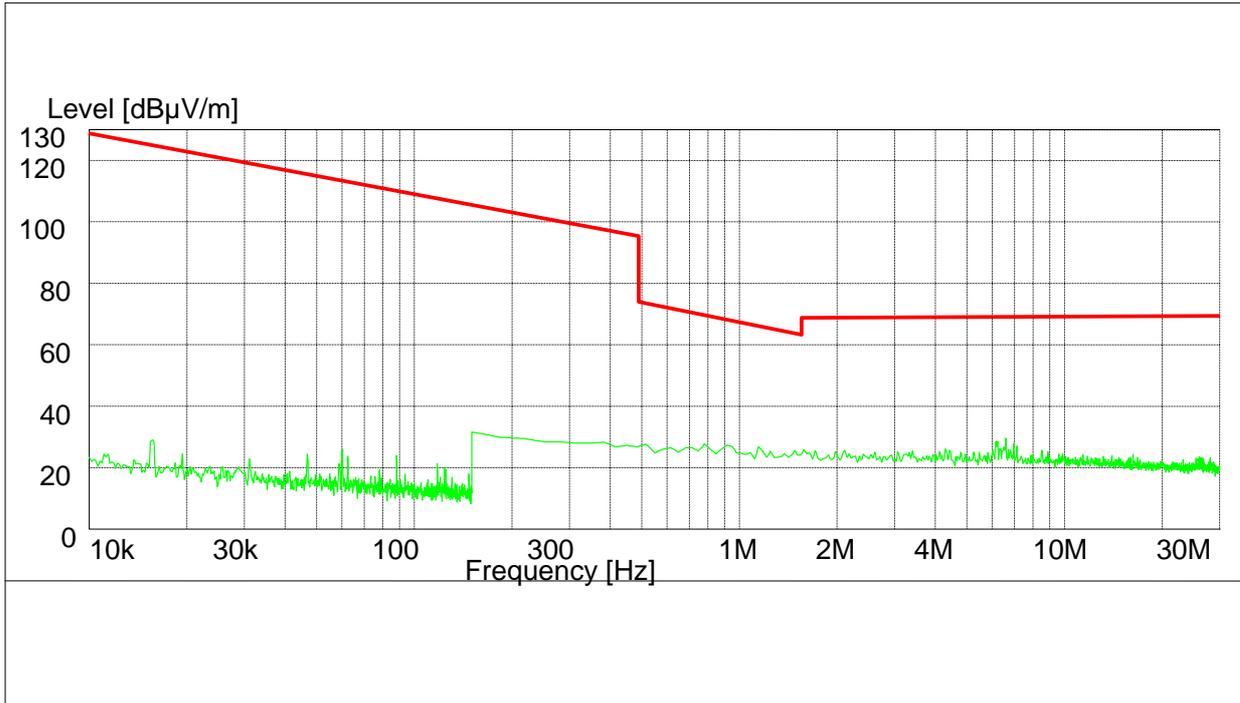
Radiated spurious emission & spurious in restricted band

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



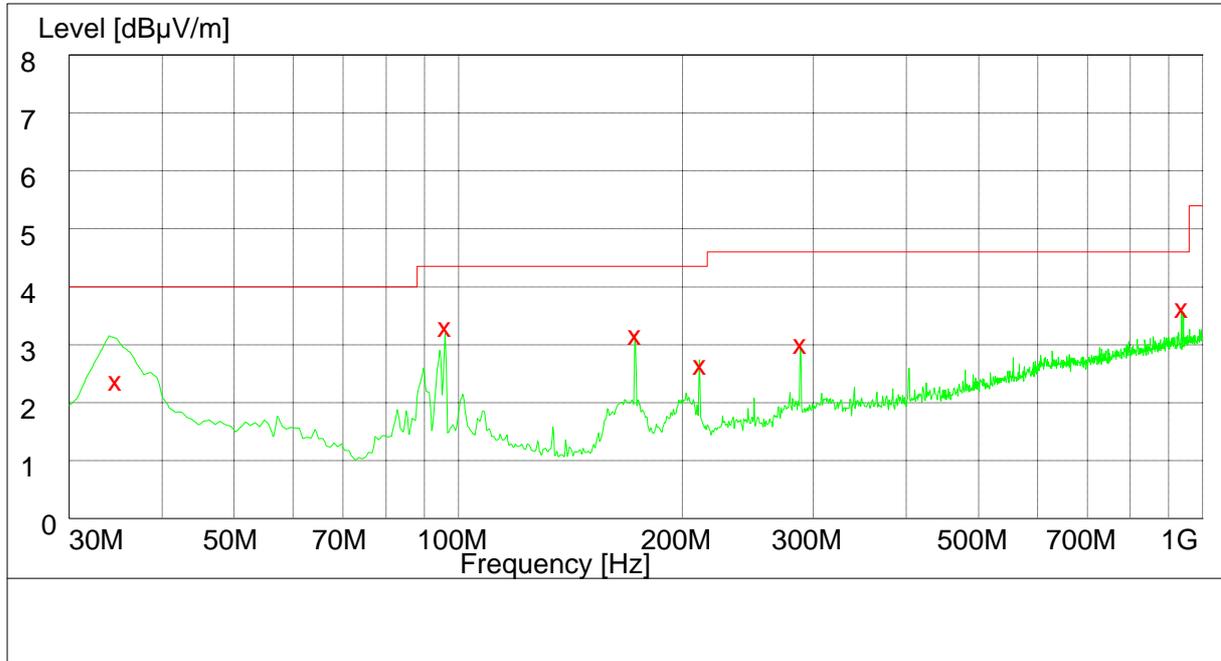
Note: This test was carried out in all the test modes, here only the worst test result was shown.

Channel 1 10kHz to 30MHz





30MHz to 1GHz

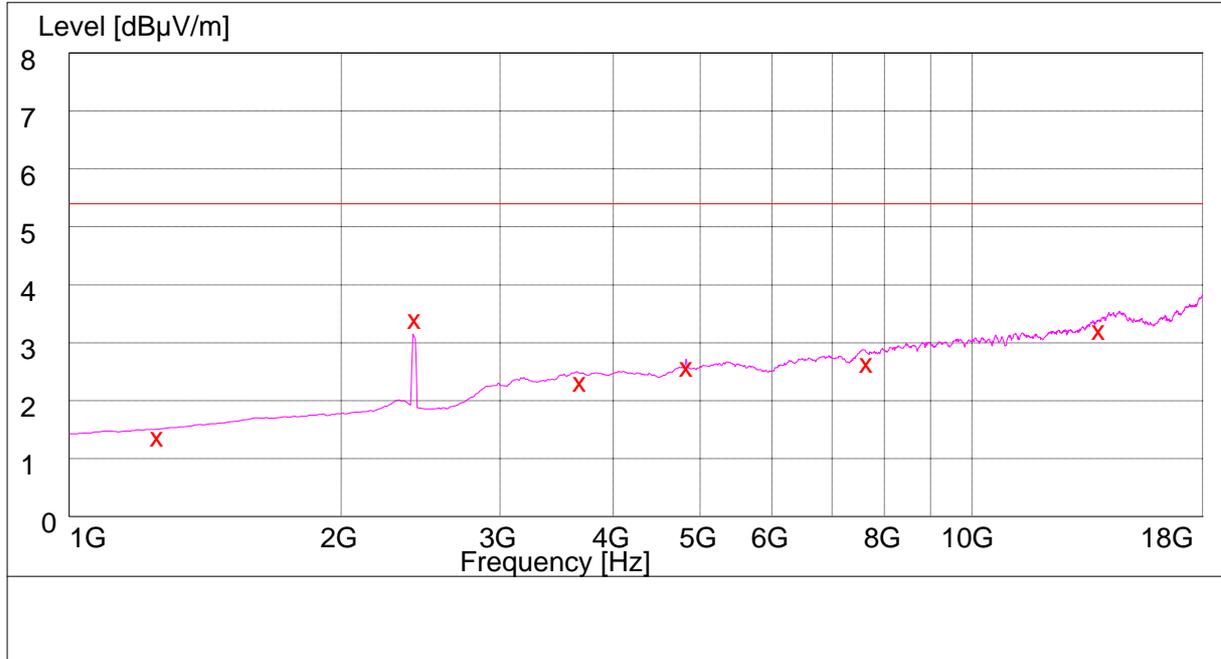


MEASUREMENT RESULT: QP Detector

| Frequency MHz | Level dBµV/m | Trans d dB | Limit dBµV/m | Margin dB | Heig ht cm | Azimu t deg | Polarisation |
|------------------|-----------------|------------------|-----------------|--------------|------------------|-------------------|--------------|
| 34.620000 | 24.80 | 11.7 | 40.0 | 15.2 | 100.0 | 98.00 | VERTICAL |
| 96.000000 | 34.10 | 12.8 | 43.5 | 9.4 | 100.0 | 95.00 | VERTICAL |
| 172.800000 | 32.70 | 10.3 | 43.5 | 10.8 | 143.0 | 216.00 | HORIZONTAL |
| 211.200000 | 27.70 | 12.6 | 43.5 | 15.8 | 145.0 | 316.00 | HORIZONTAL |
| 288.000000 | 31.30 | 15.2 | 46.0 | 14.7 | 100.0 | 123.00 | HORIZONTAL |
| 938.220000 | 37.50 | 26.5 | 46.0 | 8.5 | 289.0 | 36.00 | VERTICAL |



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 |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 1252.500000 | 14.80 | -16.1 | 54.0 | 39.2 | 100.0 | 315.00 | VERTICAL |
| 2415.000000 | 35.20 | -11.5 | 54.0 | 18.8 | 100.0 | 324.00 | HORIZONTAL |
| 3684.000000 | 24.40 | -6.7 | 54.0 | 29.6 | 191.0 | 233.00 | VERTICAL |
| 4826.000000 | 27.00 | -4.1 | 54.0 | 27.0 | 100.0 | 0.00 | HORIZONTAL |
| 7644.000000 | 27.60 | 1.7 | 54.0 | 26.4 | 124.0 | 45.00 | VERTICAL |
| 13819.000000 | 33.30 | 10.4 | 54.0 | 20.7 | 100.0 | 360.00 | VERTICAL |

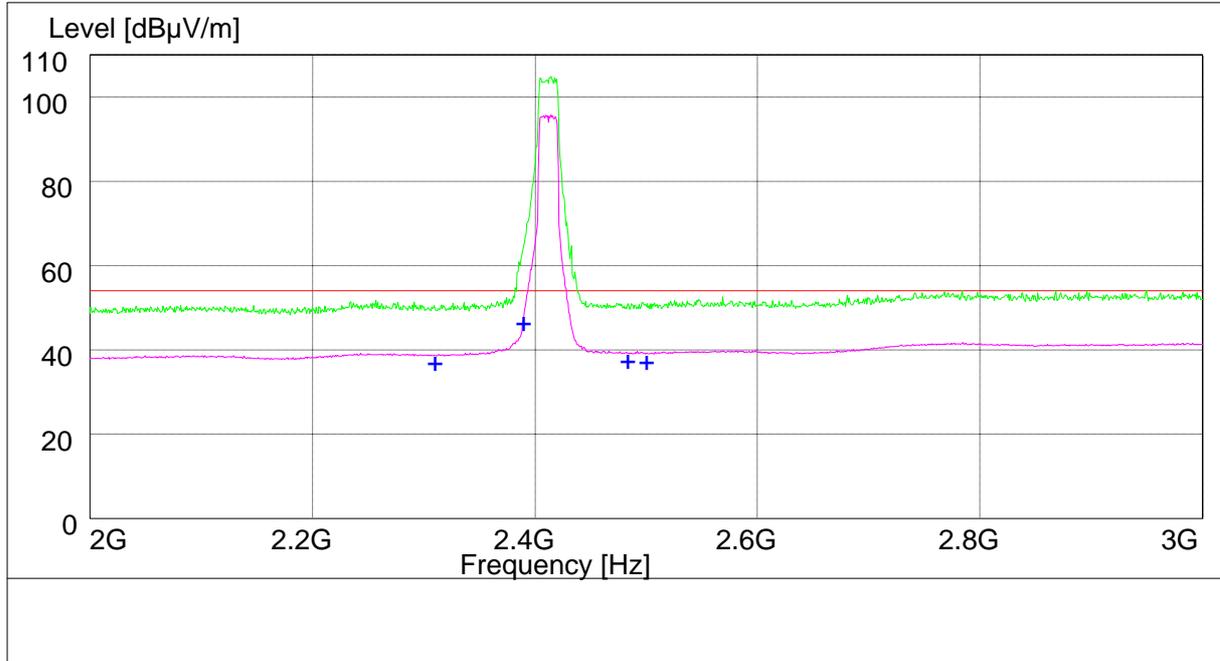


18GHz to 26GHz

Note: No peak found in pre-test



2GHz to 3GHz



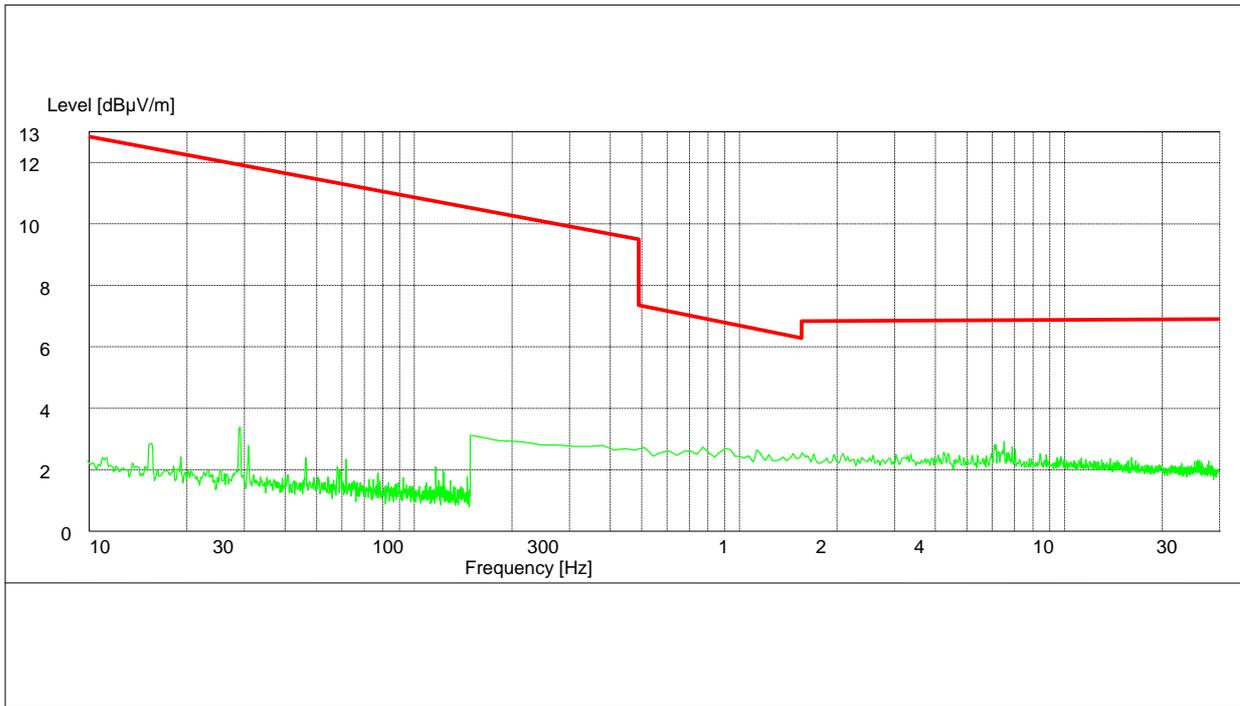
Note: The peak exceeds the limit line is carrier frequency.

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2310.000000 | 38.60 | 36.8 | 54.0 | 15.4 | 120.0 | 30.00 | HORIZONTAL |
| 2483.500000 | 39.10 | 37.8 | 54.0 | 14.9 | 100.0 | 300.00 | HORIZONTAL |
| 2390.000000 | 48.10 | 33.5 | 54.0 | 5.9 | 150.0 | 326.00 | HORIZONTAL |
| 2500.000000 | 39.00 | 37.9 | 54.0 | 15.0 | 110.0 | 210.00 | HORIZONTAL |



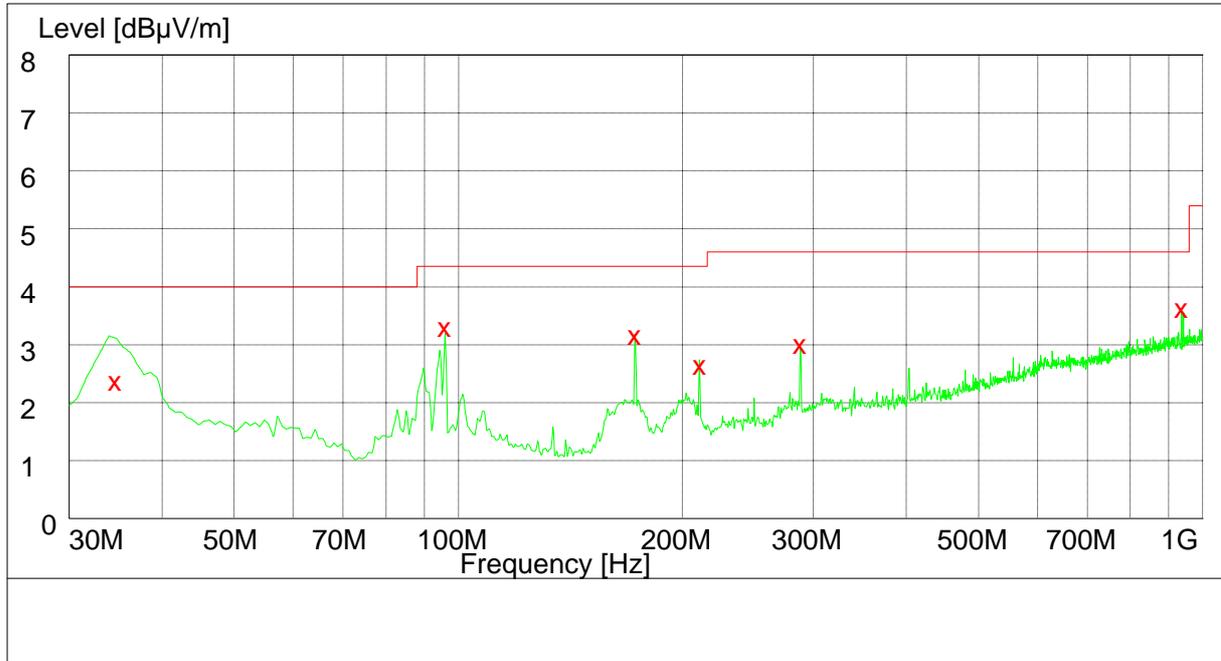
Channel 7

10 kHz to 30MHz





30MHz to 1GHz

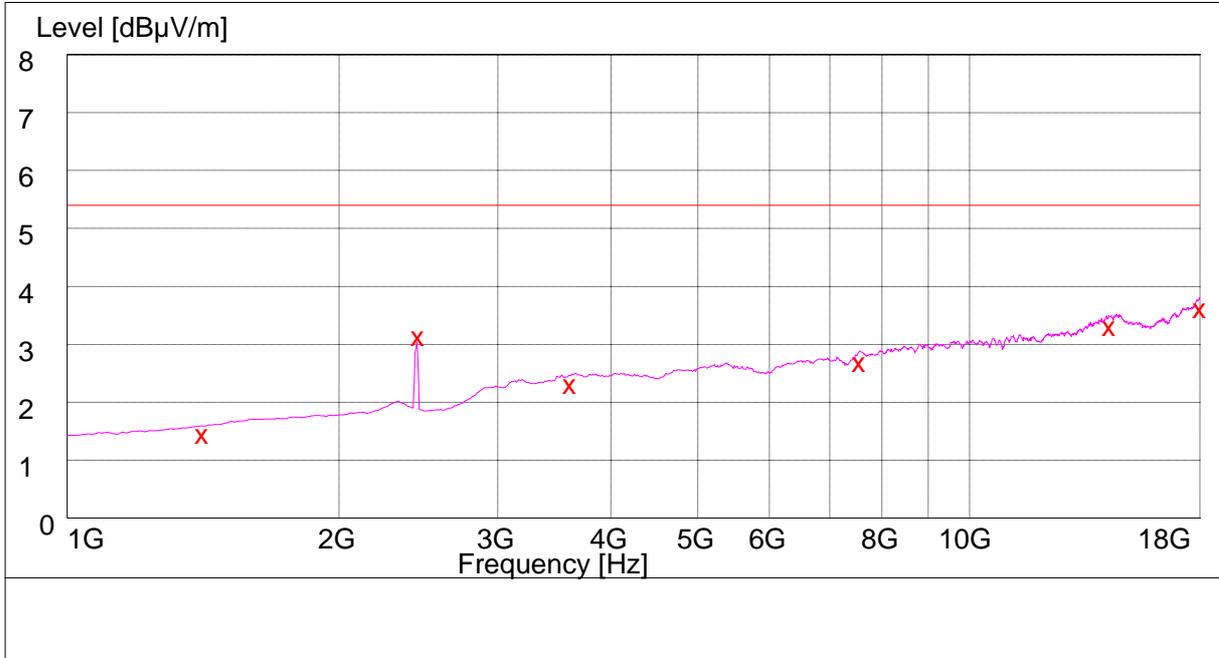


MEASUREMENT RESULT: QP Detector

| Frequency MHz | Level dBµV/m | Trans d dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarisation |
|---------------|--------------|------------|--------------|-----------|-----------|-------------|--------------|
| 34.620000 | 24.80 | 11.7 | 40.0 | 15.2 | 100.0 | 98.00 | VERTICAL |
| 96.000000 | 34.10 | 12.8 | 43.5 | 9.4 | 100.0 | 95.00 | VERTICAL |
| 172.800000 | 32.70 | 10.3 | 43.5 | 10.8 | 143.0 | 216.00 | HORIZONTAL |
| 211.200000 | 27.70 | 12.6 | 43.5 | 15.8 | 145.0 | 316.00 | HORIZONTAL |
| 288.000000 | 31.30 | 15.2 | 46.0 | 14.7 | 100.0 | 123.00 | HORIZONTAL |
| 938.220000 | 37.50 | 26.5 | 46.0 | 8.5 | 289.0 | 36.00 | VERTICAL |



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 |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 1411.000000 | 15.60 | -15.6 | 54.0 | 38.4 | 100.0 | 240.00 | VERTICAL |
| 2448.500000 | 32.60 | -11.4 | 54.0 | 21.4 | 100.0 | 308.00 | HORIZONTAL |
| 3605.000000 | 24.20 | -7.0 | 54.0 | 29.8 | 191.0 | 187.00 | HORIZONTAL |
| 7546.000000 | 28.10 | 1.6 | 54.0 | 25.9 | 177.0 | 31.00 | VERTICAL |
| 14281.000000 | 34.30 | 11.7 | 54.0 | 19.7 | 100.0 | 0.00 | HORIZONTAL |
| 17995.000000 | 37.30 | 17.3 | 54.0 | 16.7 | 121.0 | 288.00 | VERTICAL |

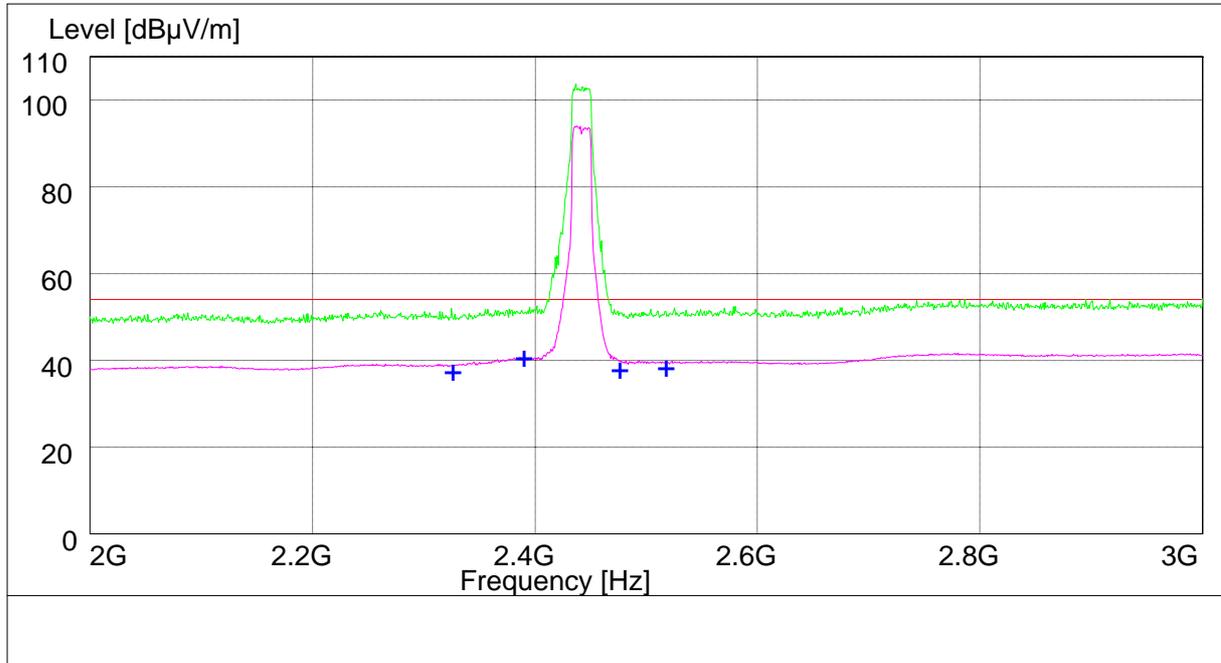


18GHz to 26GHz

Note: No peak found in pre-test



2GHz to 3GHz



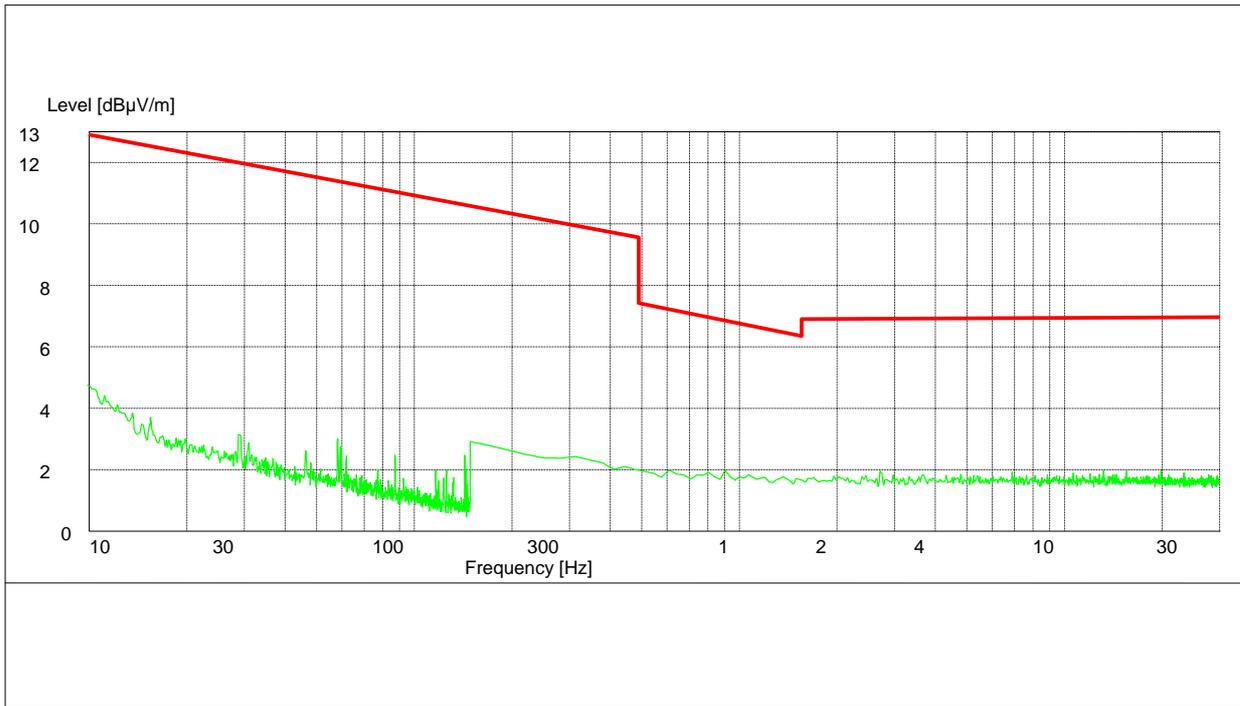
Note: The peak exceeds the limit line is carrier frequency.

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2500.000000 | 39.20 | 37.9 | 54.0 | 14.8 | 100.0 | 150.00 | HORIZONTAL |
| 2483.500000 | 39.50 | 37.8 | 54.0 | 14.5 | 110.0 | 320.00 | HORIZONTAL |
| 2310.000000 | 38.80 | 36.8 | 54.0 | 15.2 | 150.0 | 120.00 | VERTICAL |
| 2390.000000 | 40.50 | 33.5 | 54.0 | 13.5 | 140.0 | 30.00 | HORIZONTAL |



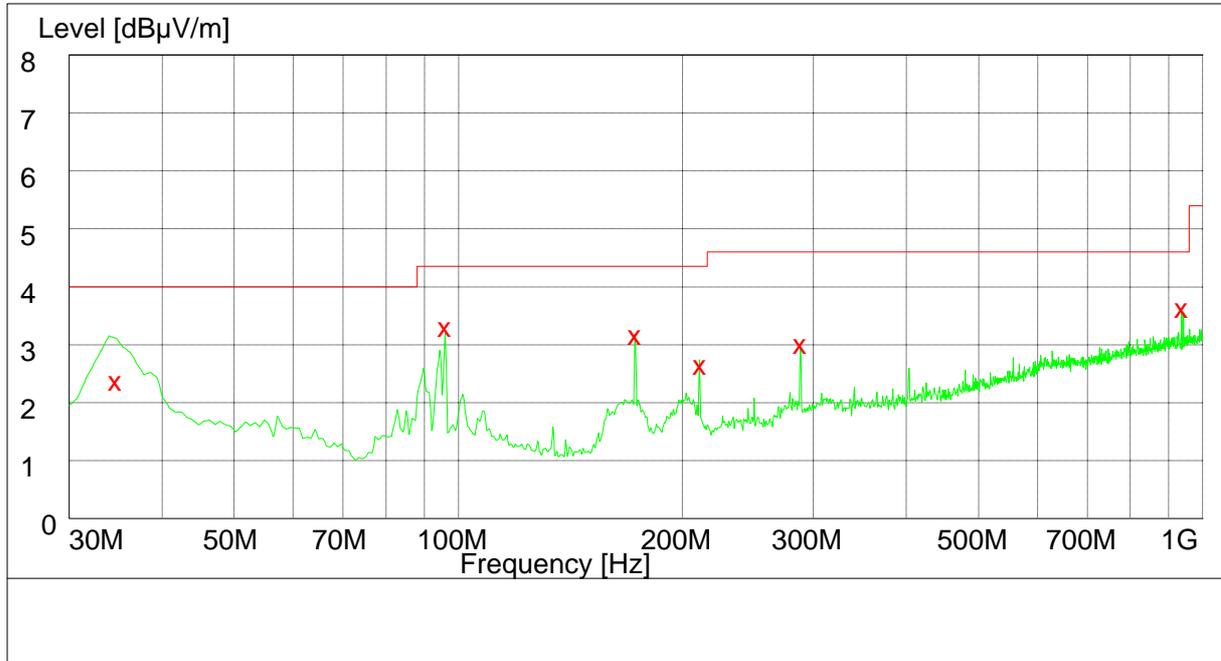
Channel 11

10 kHz to 30 MHz





30MHz to 1GHz



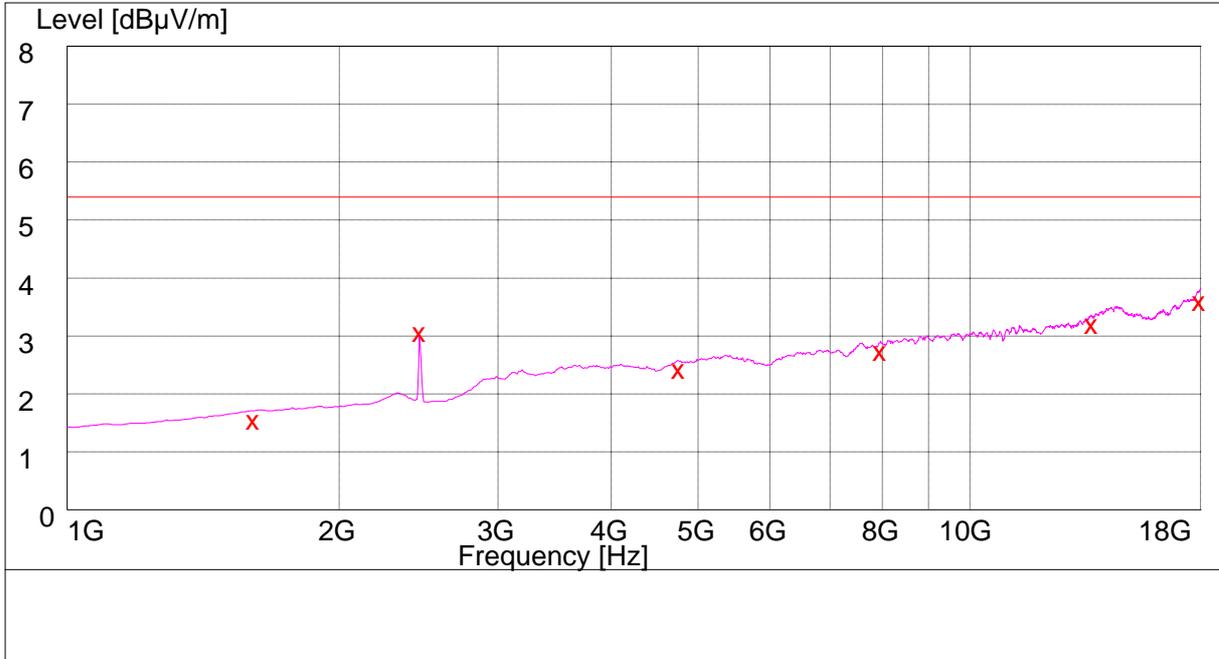
MEASUREMENT RESULT: QP Detector

| Frequency MHz | Level dBµV/m | Trans d dB | Limit dBµV/m | Margin dB | Heig ht cm | Azimet h deg | Polarisation |
|------------------|-----------------|------------------|-----------------|--------------|------------------|--------------------|--------------|
| 34.620000 | 24.80 | 11.7 | 40.0 | 15.2 | 100.0 | 98.00 | VERTICAL |
| 96.000000 | 34.10 | 12.8 | 43.5 | 9.4 | 100.0 | 95.00 | VERTICAL |
| 172.800000 | 32.70 | 10.3 | 43.5 | 10.8 | 143.0 | 216.00 | HORIZONTAL |
| 211.200000 | 27.70 | 12.6 | 43.5 | 15.8 | 145.0 | 316.00 | HORIZONTAL |
| 288.000000 | 31.30 | 15.2 | 46.0 | 14.7 | 100.0 | 123.00 | HORIZONTAL |
| 938.220000 | 37.50 | 26.5 | 46.0 | 8.5 | 289.0 | 36.00 | VERTICAL |



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 |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 1608.500000 | 16.70 | -14.3 | 54.0 | 37.3 | 163.0 | 5.00 | VERTICAL |
| 2454.500000 | 31.80 | -11.3 | 54.0 | 22.2 | 100.0 | 307.00 | HORIZONTAL |
| 4753.000000 | 25.40 | -4.2 | 54.0 | 28.6 | 200.0 | 52.00 | VERTICAL |
| 7951.500000 | 28.60 | 1.9 | 54.0 | 25.4 | 100.0 | 246.00 | VERTICAL |
| 13641.000000 | 33.20 | 10.2 | 54.0 | 20.8 | 200.0 | 293.00 | HORIZONTAL |
| 17942.500000 | 37.20 | 16.9 | 54.0 | 16.8 | 105.0 | 200.00 | VERTICAL |

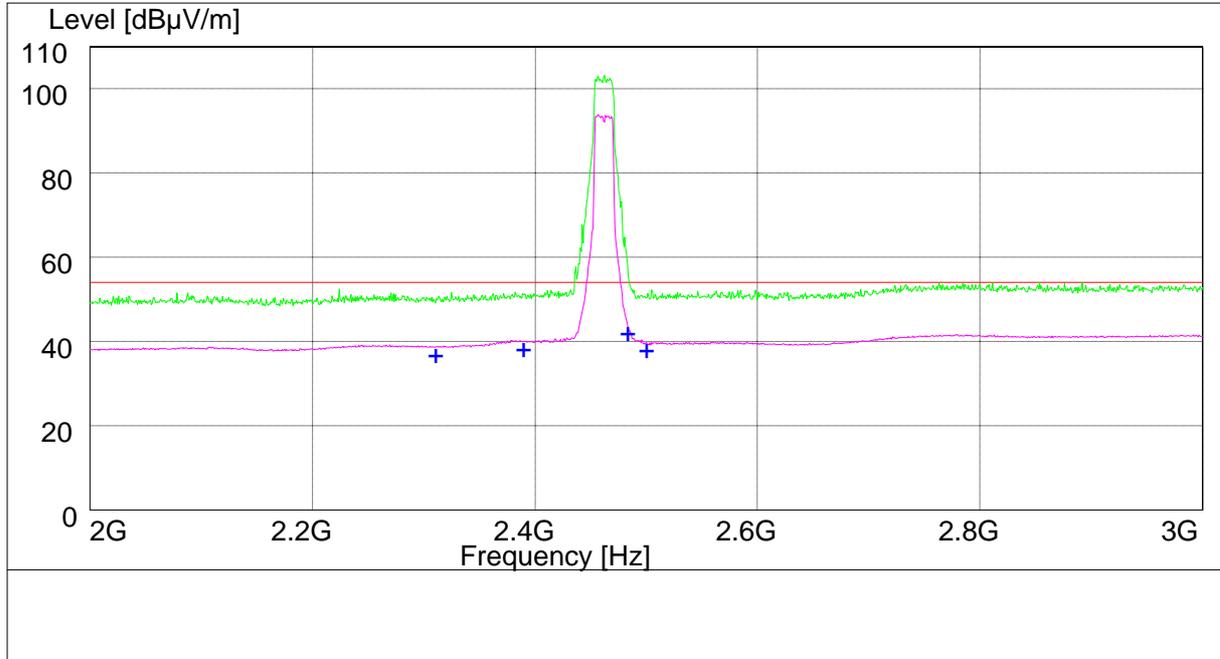


18GHz to 26GHz

Note: No peak found in pre-test



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 |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2310.800000 | 38.60 | 36.8 | 54.0 | 15.4 | 110.0 | 200.00 | VERTICAL |
| 2390.000000 | 40.00 | 33.5 | 54.0 | 14.0 | 120.0 | 300.00 | VERTICAL |
| 2483.500000 | 43.80 | 37.8 | 54.0 | 10.2 | 120.0 | 230.00 | VERTICAL |
| 2500.000000 | 39.70 | 37.9 | 54.0 | 14.3 | 150.0 | 120.00 | VERTICAL |



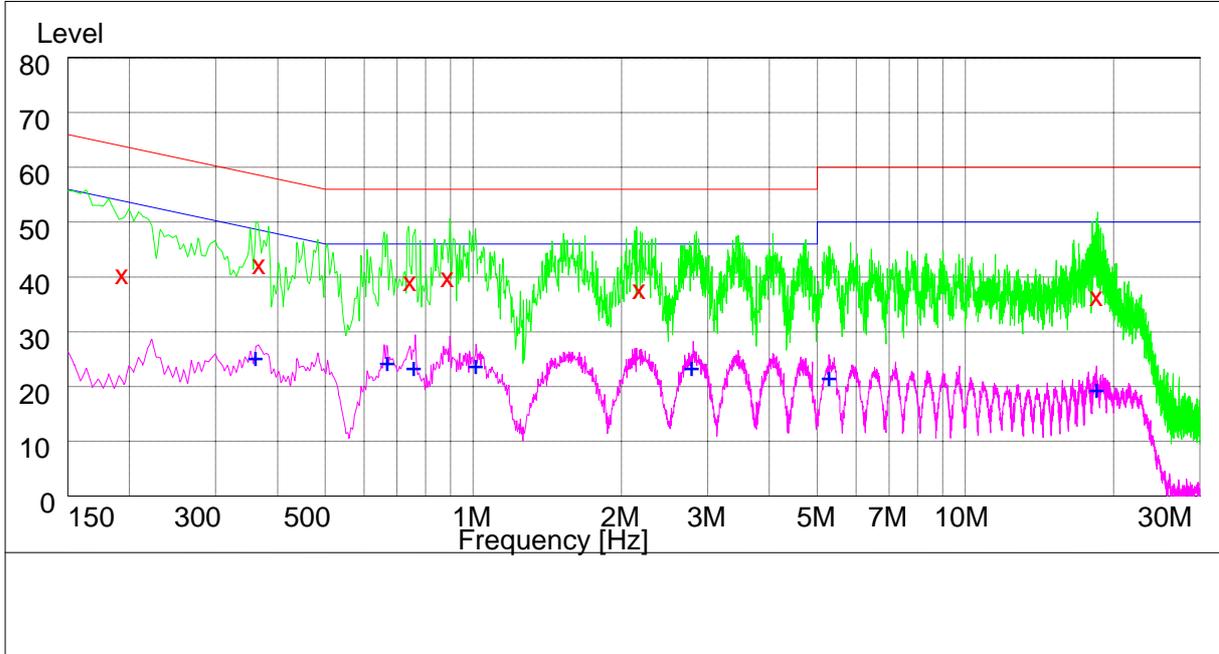
Appendix G

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 |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.194000 | 41.80 | 10.1 | 64 | 22.2 | N | FLO |
| 0.368000 | 43.50 | 10.0 | 59 | 15.5 | N | FLO |
| 0.746000 | 40.50 | 10.1 | 56 | 15.5 | N | FLO |
| 0.888000 | 41.10 | 10.1 | 56 | 14.9 | N | FLO |
| 2.182000 | 39.00 | 10.1 | 56 | 17.0 | N | FLO |
| 18.560000 | 37.80 | 10.3 | 60 | 22.2 | N | FLO |

MEASUREMENT RESULT: AV Detector

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Line | PE |
|---------------|------------|-----------|------------|-----------|------|-----|
| 0.360000 | 26.70 | 10.0 | 49 | 22.3 | N | FLO |
| 0.668000 | 25.80 | 10.1 | 46 | 20.2 | N | FLO |
| 0.756000 | 24.90 | 10.1 | 46 | 21.1 | N | FLO |
| 1.010000 | 25.30 | 10.1 | 46 | 20.7 | N | FLO |
| 2.780000 | 24.90 | 10.2 | 46 | 21.1 | N | FLO |
| 5.276000 | 23.00 | 10.2 | 50 | 27.0 | N | FLO |
| 18.496000 | 20.80 | 10.3 | 50 | 29.2 | N | FLO |



FCC/IC Test Report of E583C
FCC ID: QISE583C-52
IC :6369A-E583C

Security Level: Public
