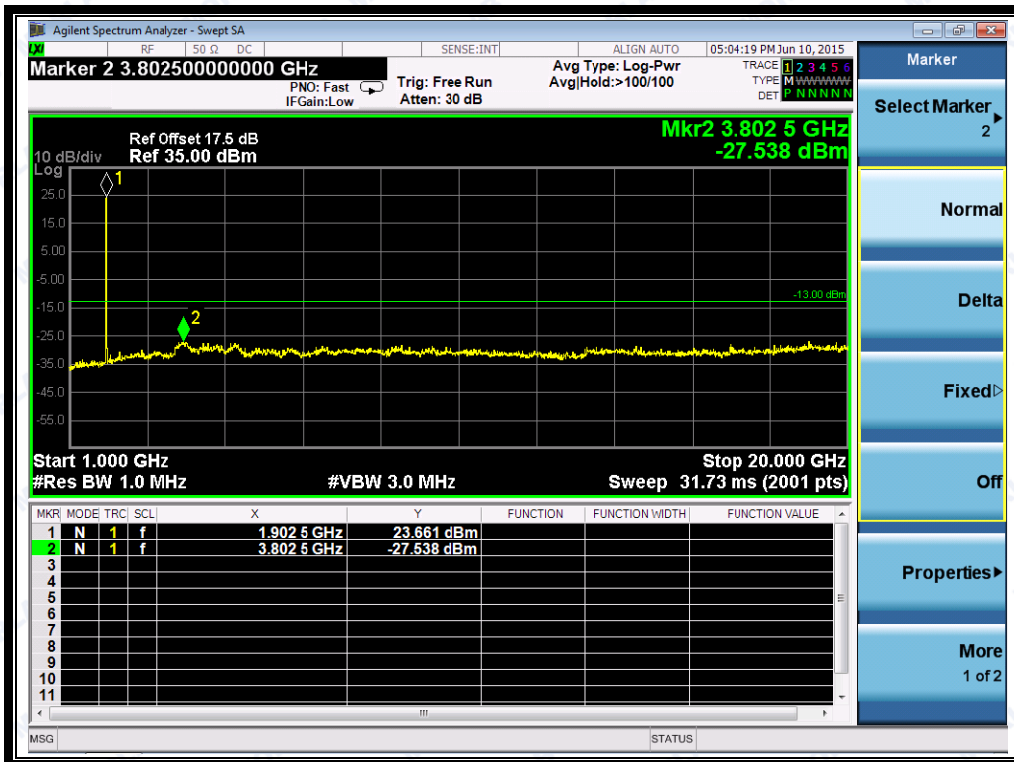
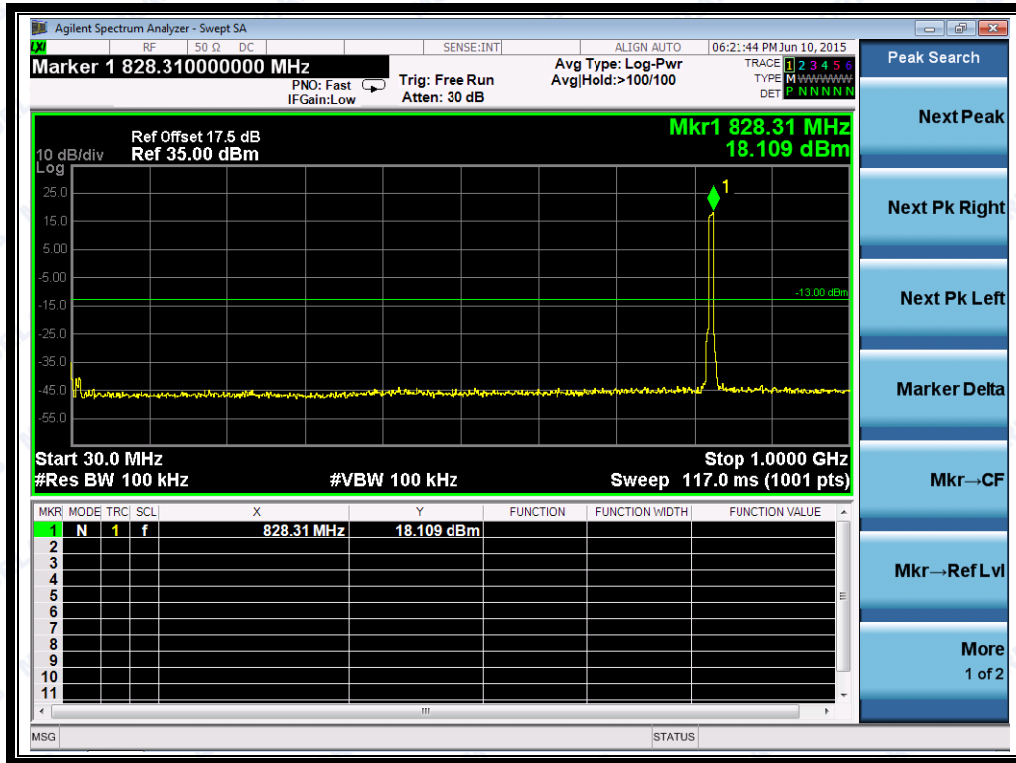


(Plot J3: HSDPA1900MHz Channel = 9538, 30MHz to 1GHz)



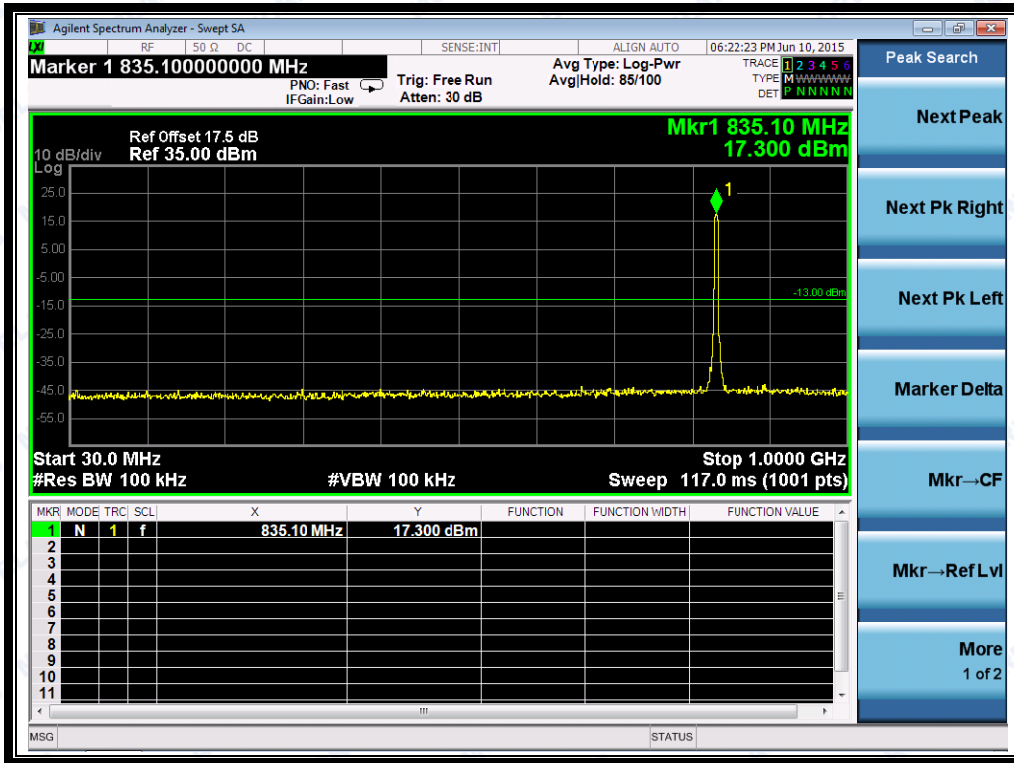
(Plot J3.1: HSDPA1900MHz Channel = 9538 1GHz to 20GHz)



(Plot K1: HSUPA 850MHz Channel = 4132, 30MHz to 1GHz)



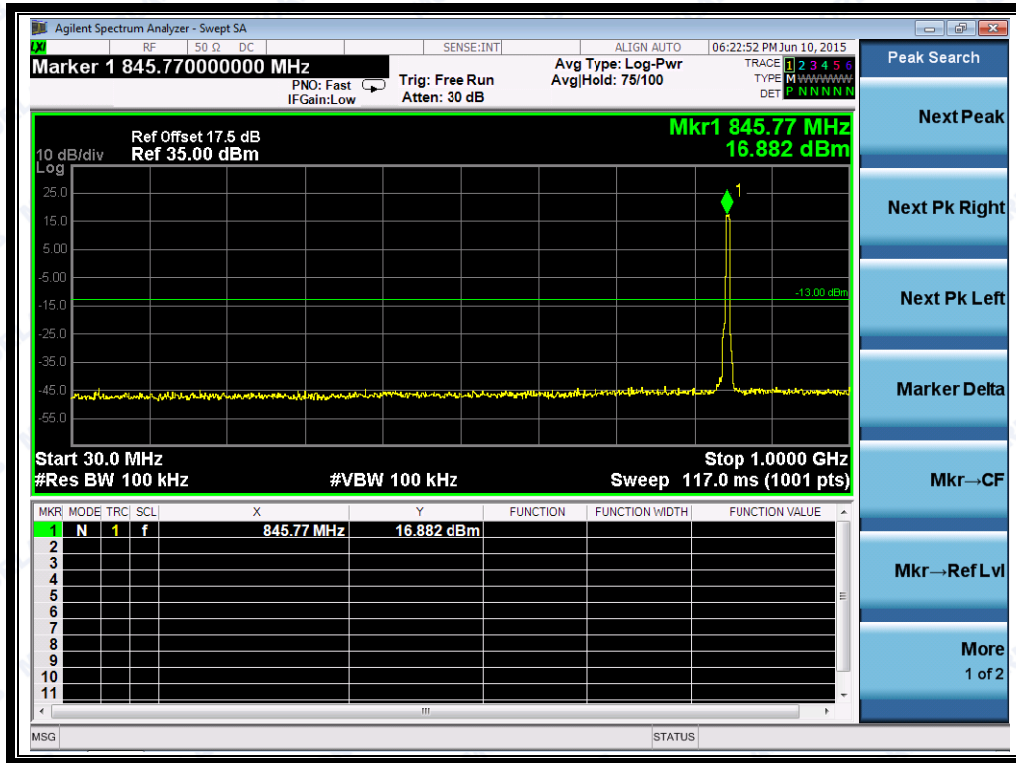
(Plot K1.1: HSUPA 850MHz Channel = 4132, 1GHz to 9GHz)



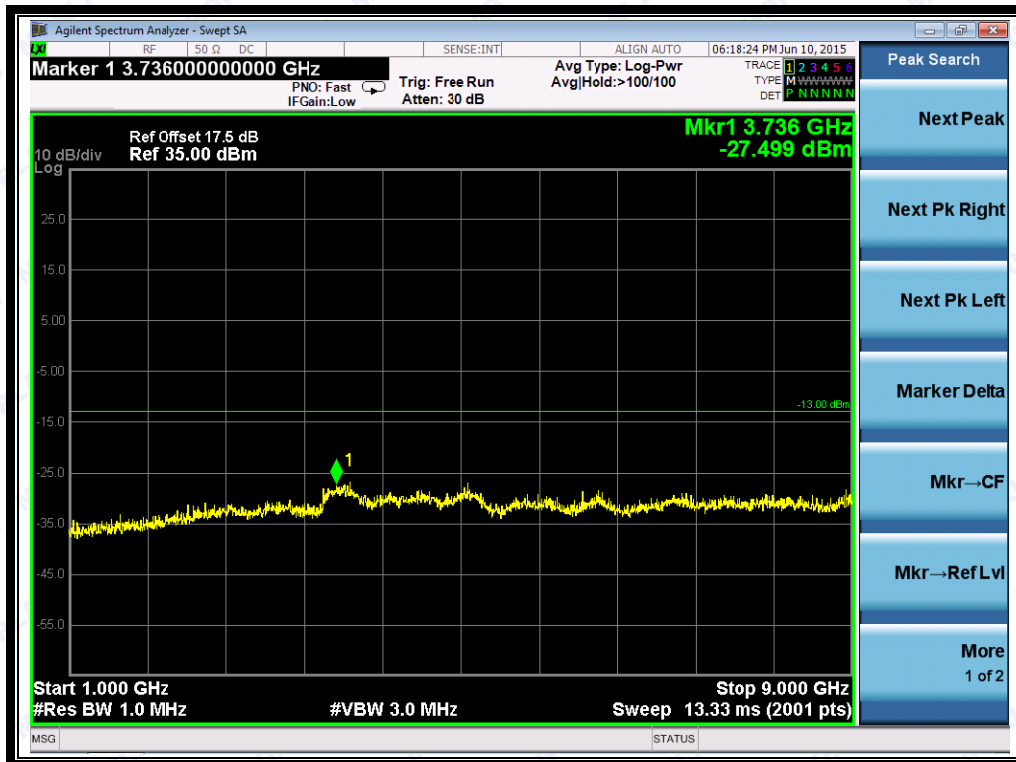
(Plot K2: HSUPA 850MHz Channel = 4175, 30MHz to 1GHz)



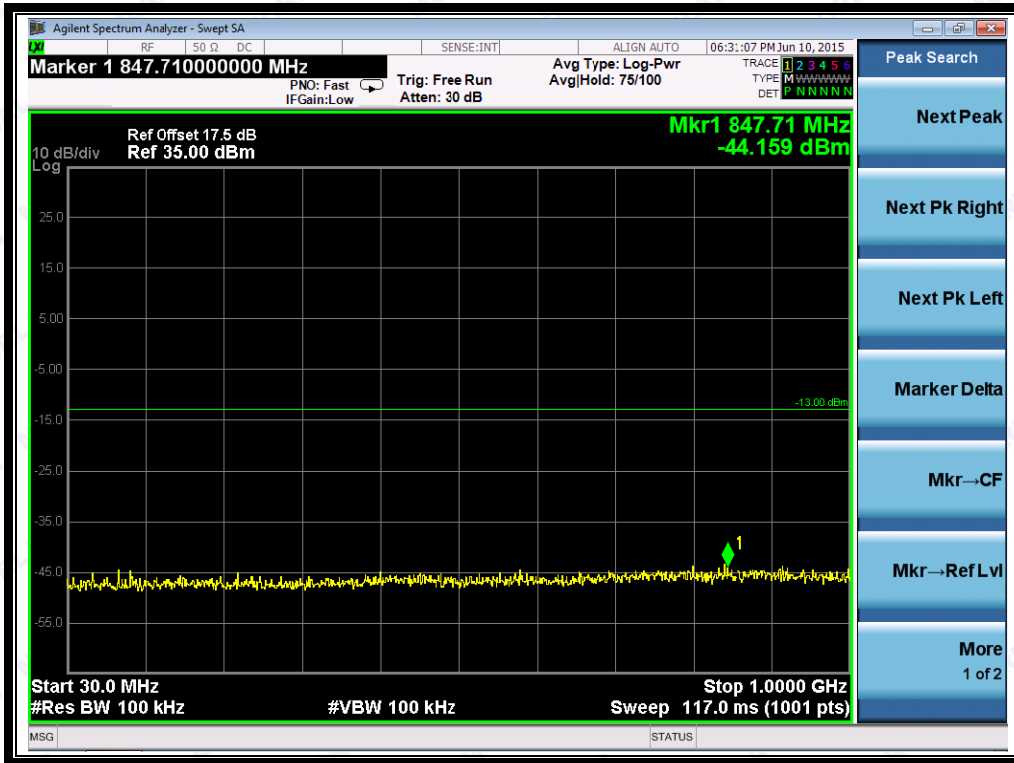
(Plot K2.1: HSUPA 850MHz Channel = 4175, 1GHz to 9GHz)



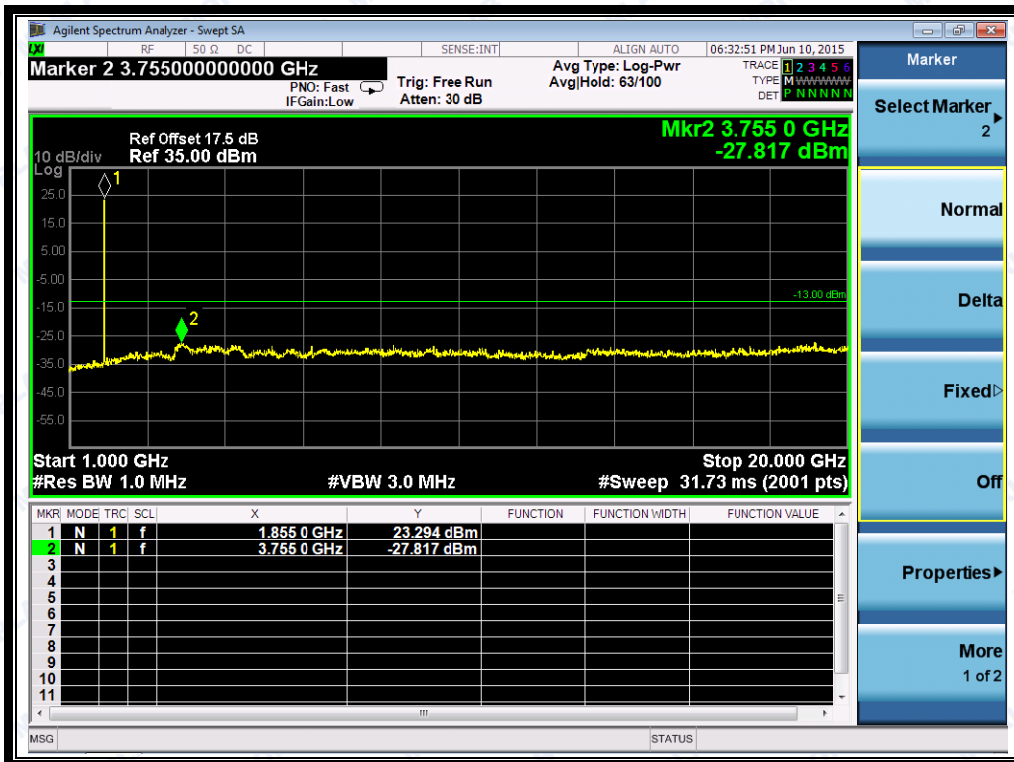
(Plot K3: HSUPA 850MHz Channel = 4233, 30MHz to 1GHz)



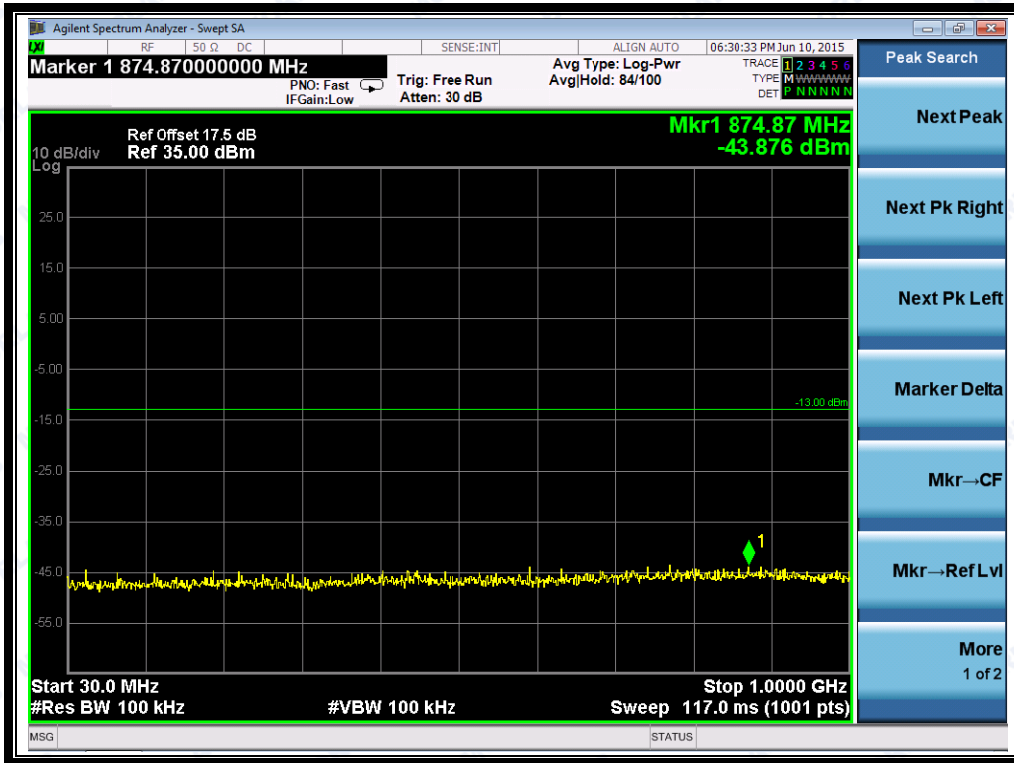
(Plot K3.1: HSUPA 850MHz Channel = 4233, 1GHz to 9GHz)



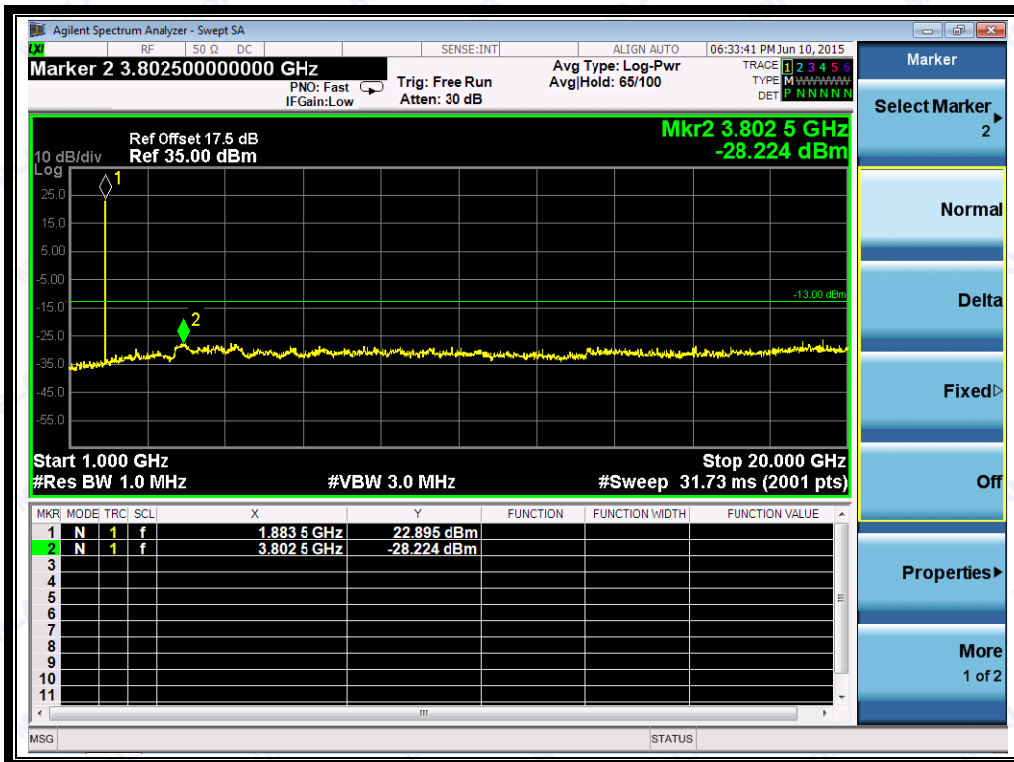
(Plot L1: HSUPA 1900MHz Channel = 9262, 30MHz to 1GHz)



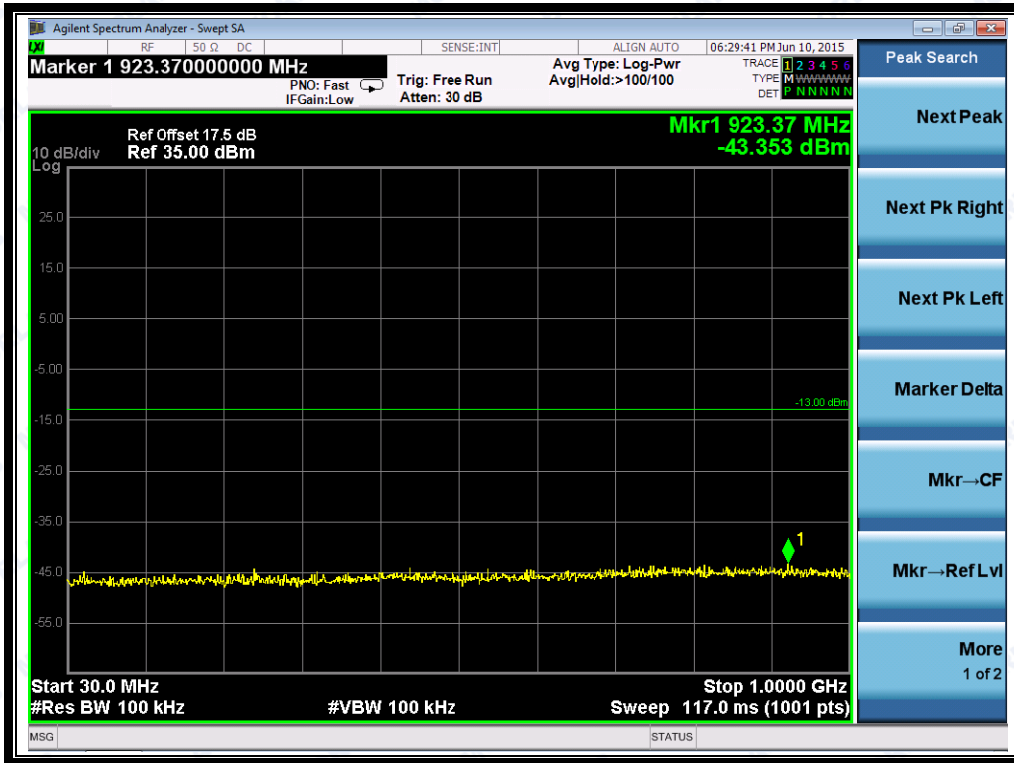
(Plot L1.1: HSUPA 1900MHz Channel = 9262, 1GHz to 20GHz)



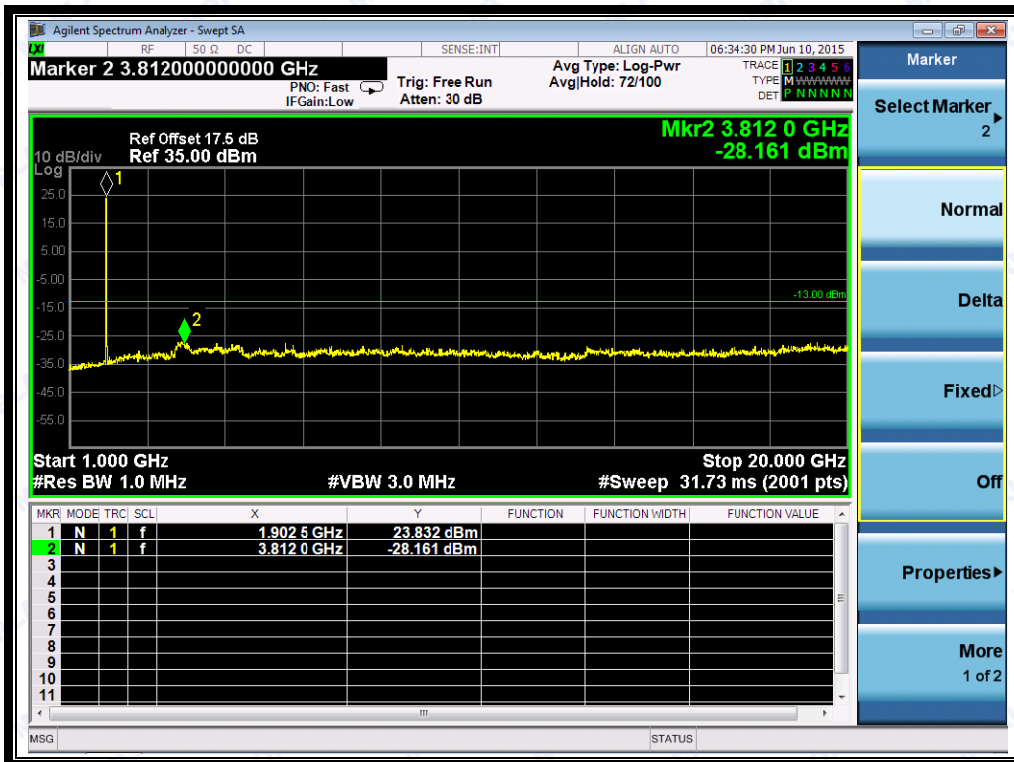
(Plot L2: HSUPA 1900MHz Channel = 9400, 30MHz to 1GHz)



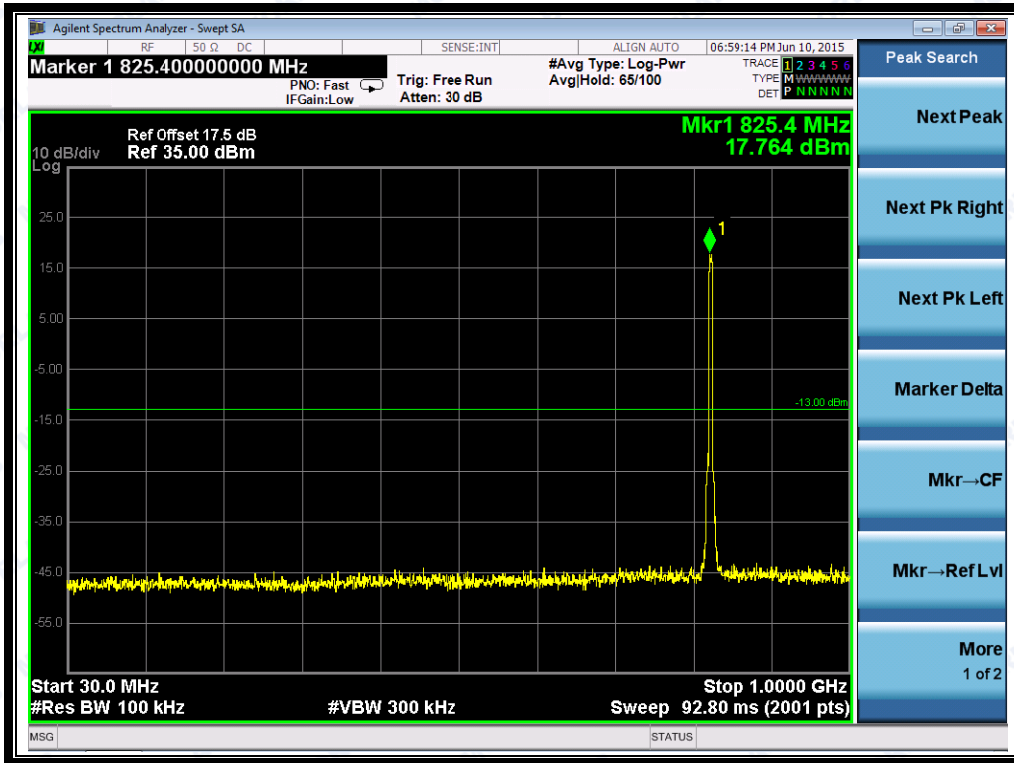
(Plot L2.1: HSUPA1900MHz Channel = 9400, 1GHz to 20GHz)



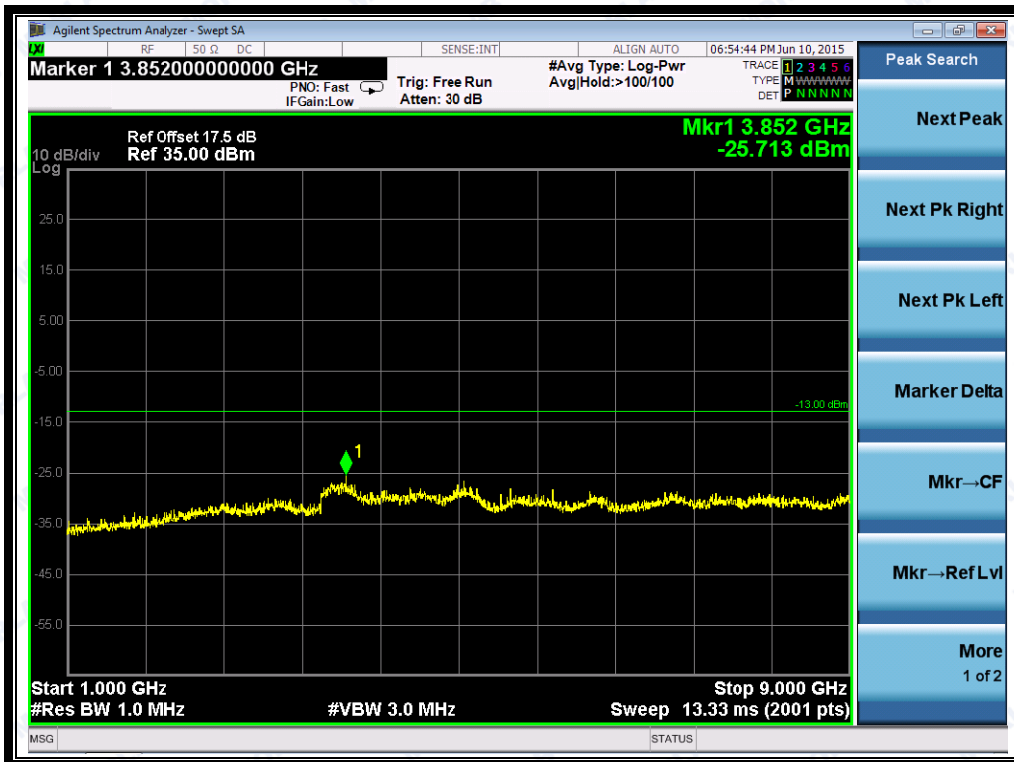
(Plot L3: HSUPA1900MHz Channel = 9538, 30MHz to 1GHz)



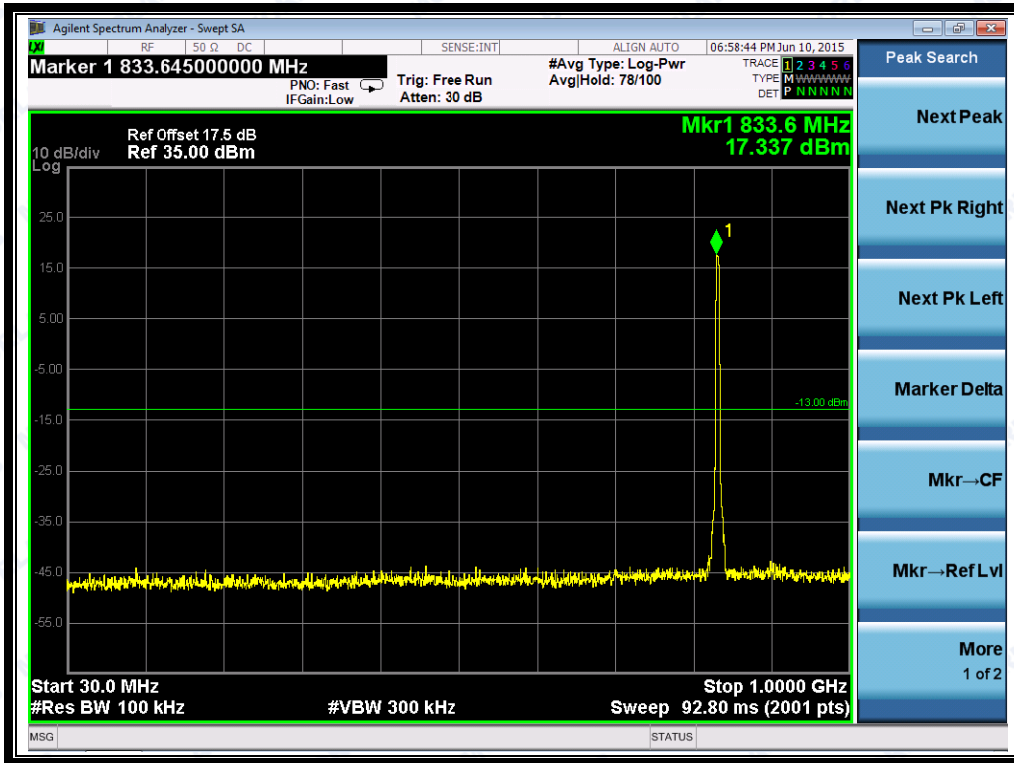
(Plot L3.1: HSUPA1900MHz Channel = 9538 1GHz to 20GHz)



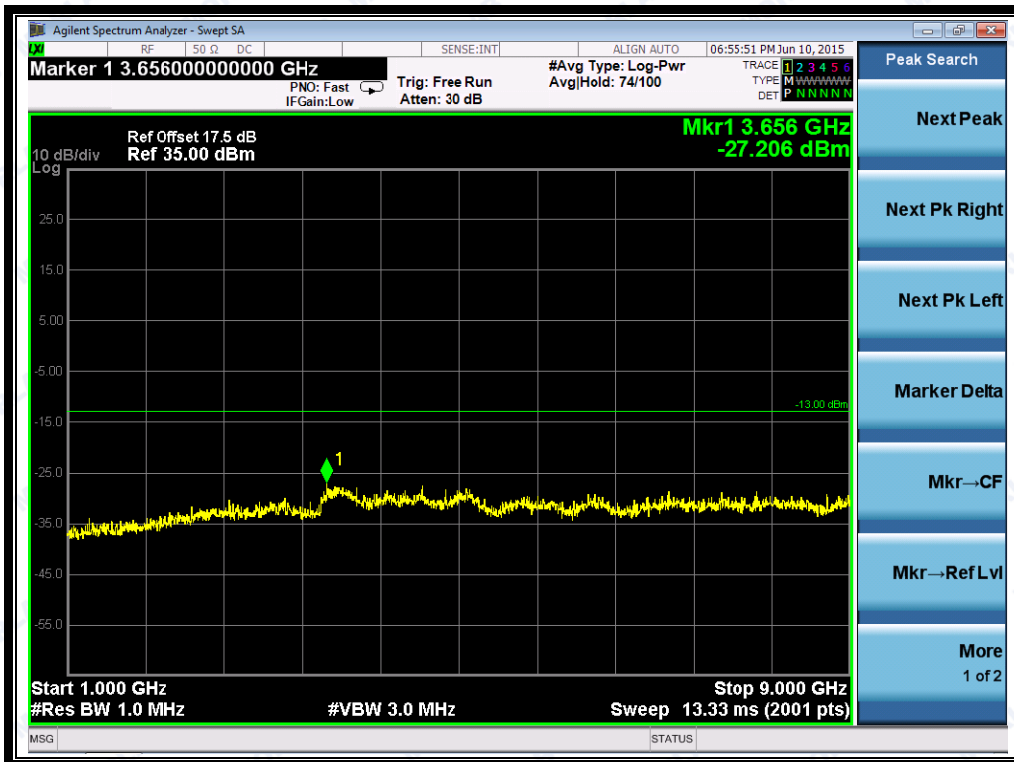
(Plot M1: HSPA+ 850MHz Channel = 4132, 30MHz to 1GHz)



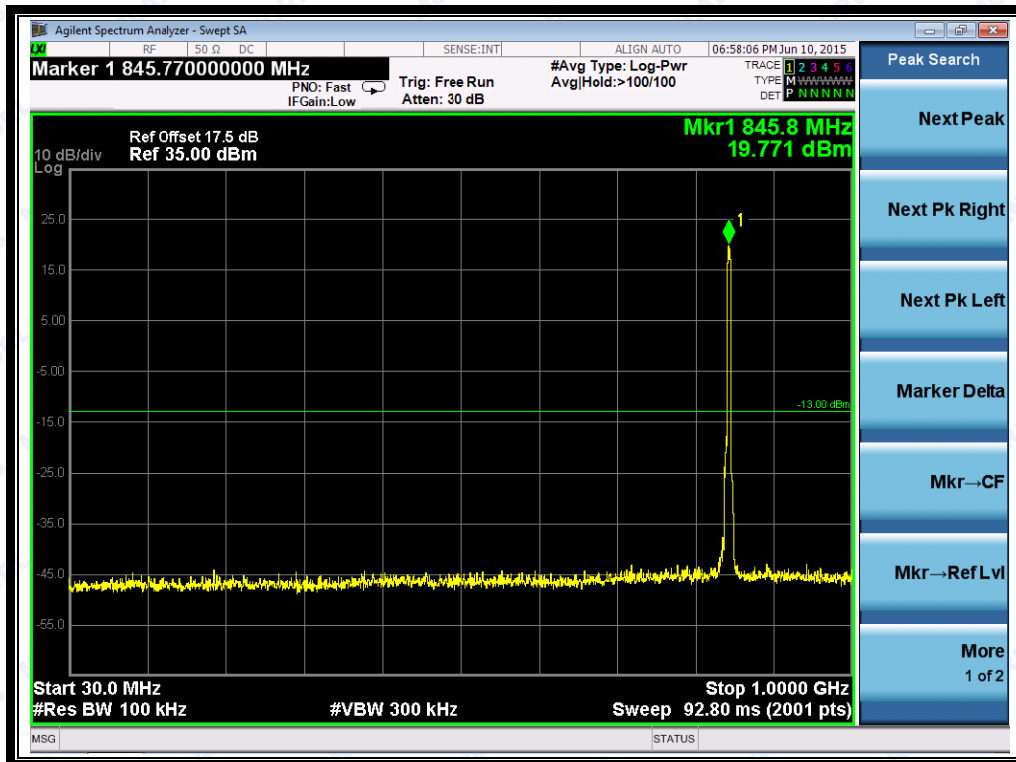
(Plot M1.1: HSPA+ 850MHz Channel = 4132, 1GHz to 9GHz)



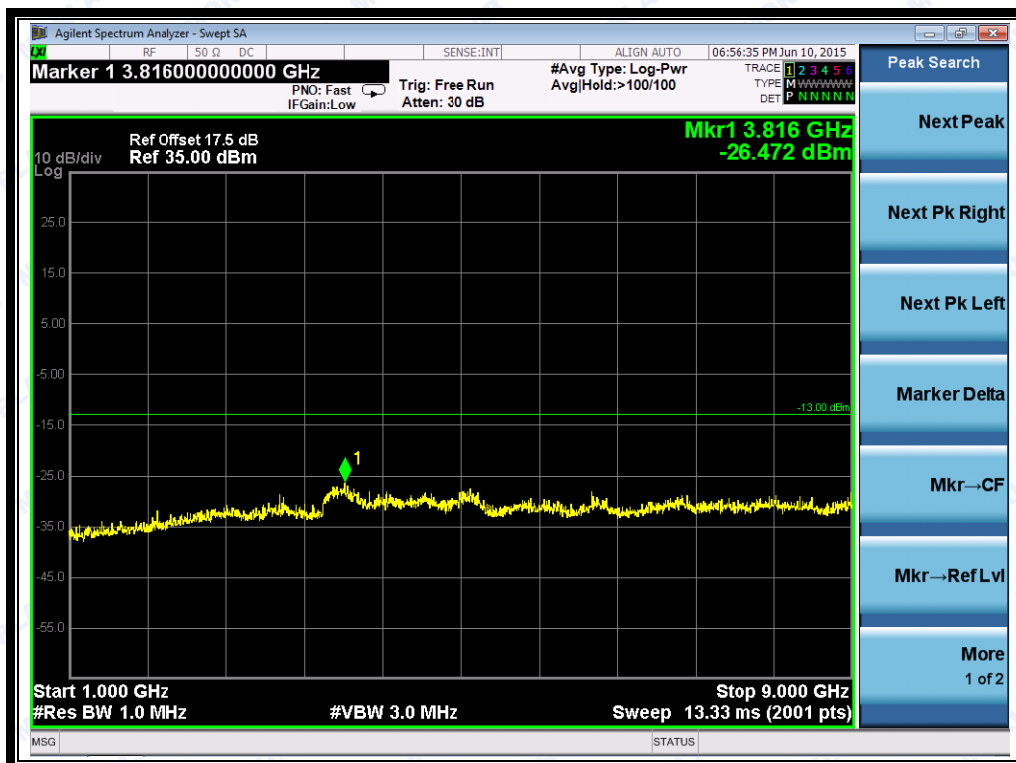
(Plot M2: HSPA+ 850MHz Channel = 4175, 30MHz to 1GHz)



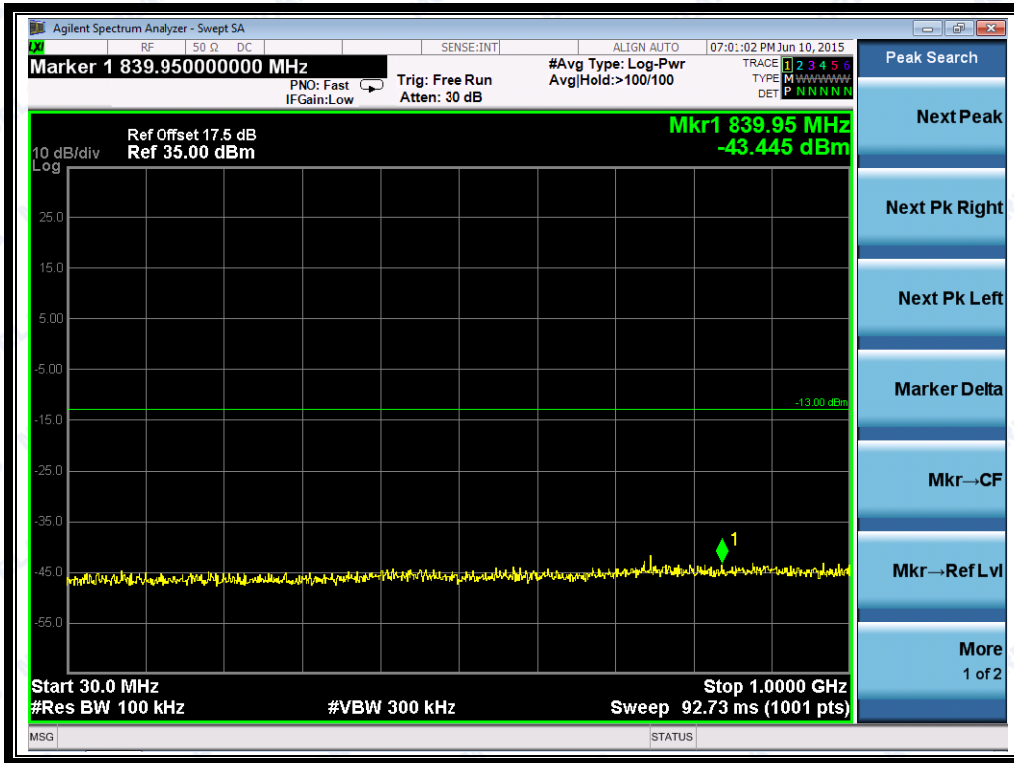
(Plot M2.1: HSPA+ 850MHz Channel = 4175, 1GHz to 9GHz)



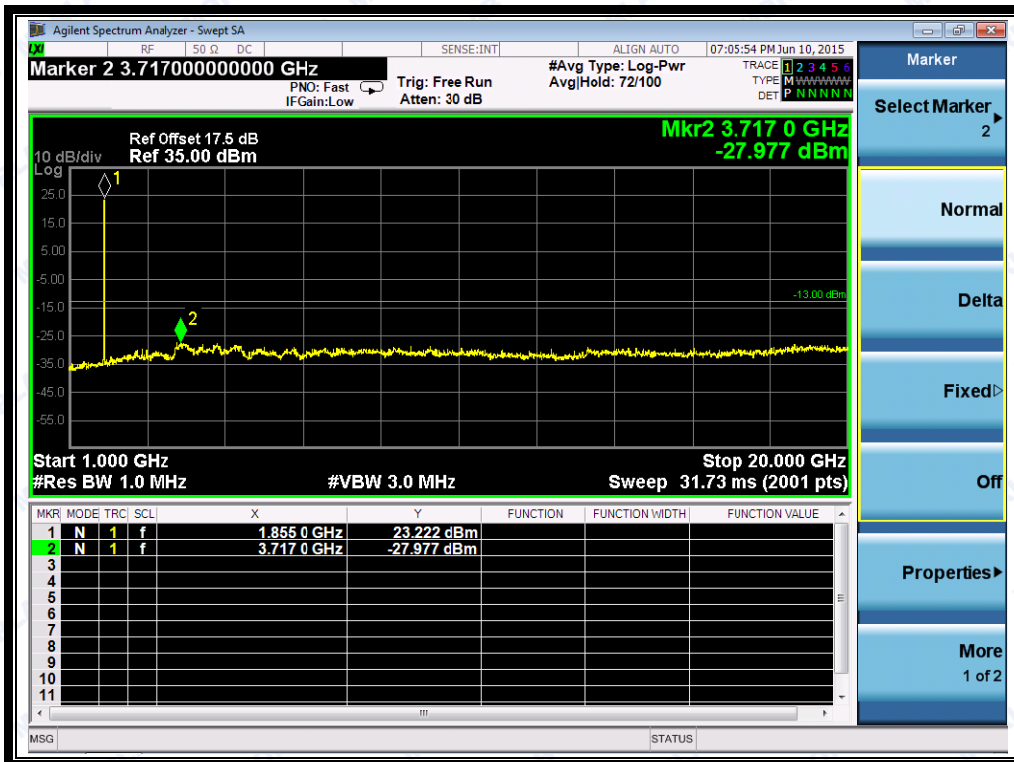
(Plot M3: HSPA+ 850MHz Channel = 4233, 30MHz to 1GHz)



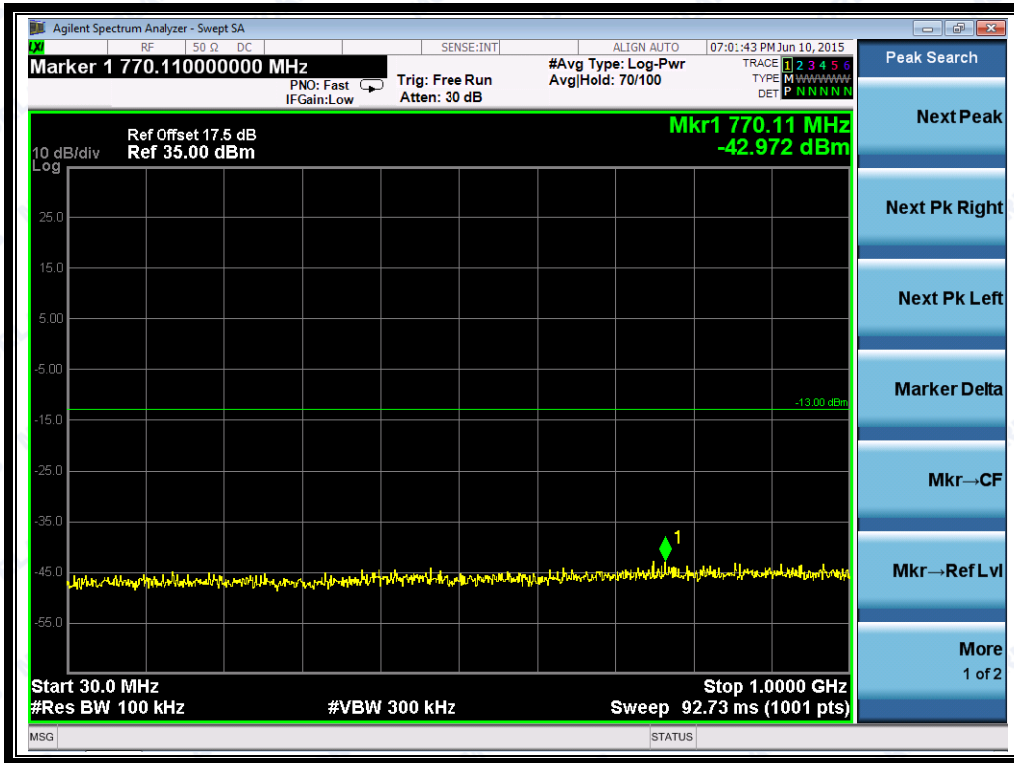
(Plot M3.1: HSPA+ 850MHz Channel = 4233, 1GHz to 9GHz)



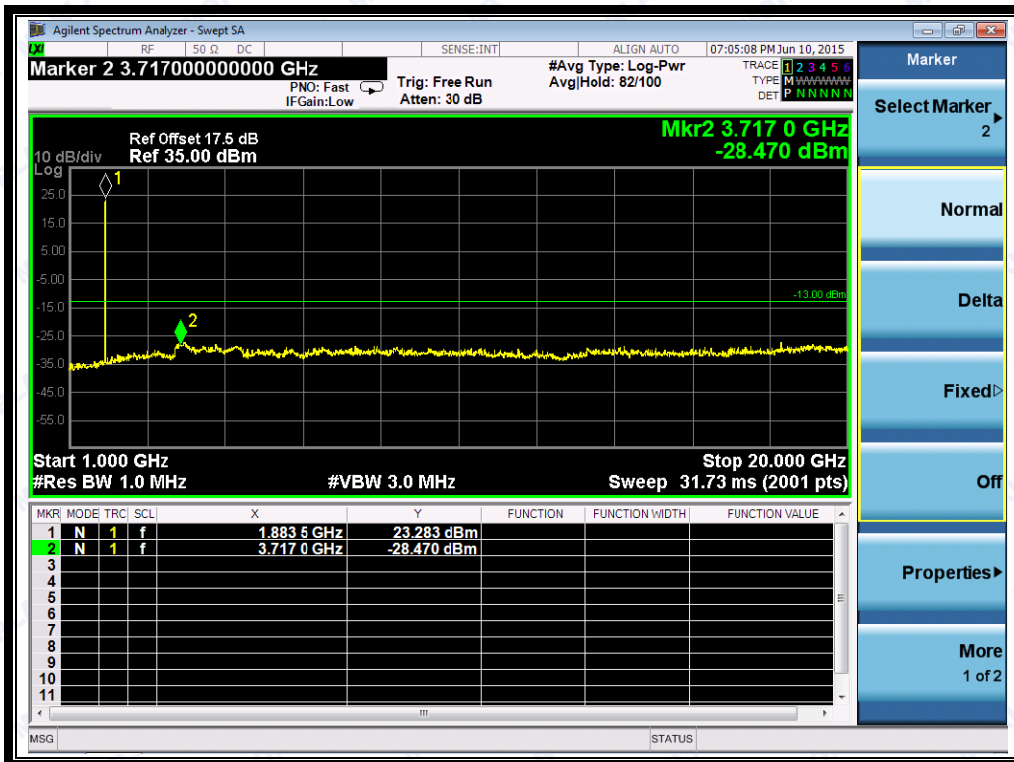
(Plot N1: HSPA+ 1900MHz Channel = 9262, 30MHz to 1GHz)



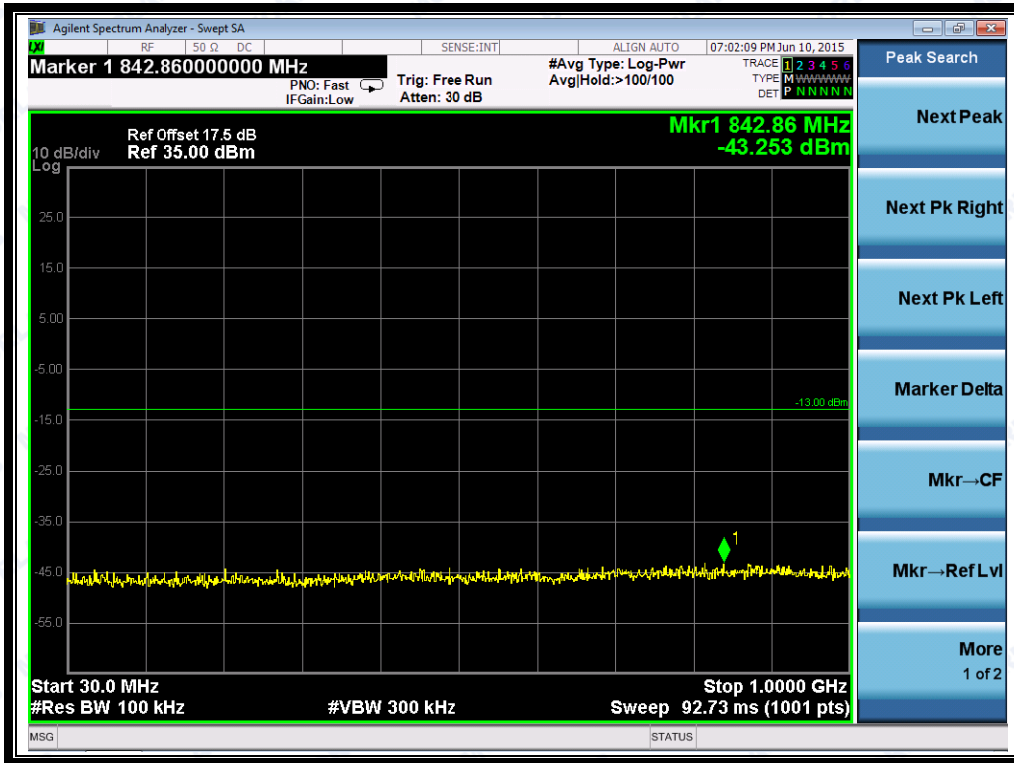
(Plot N1.1: HSPA+ 1900MHz Channel = 9262, 1GHz to 20GHz)



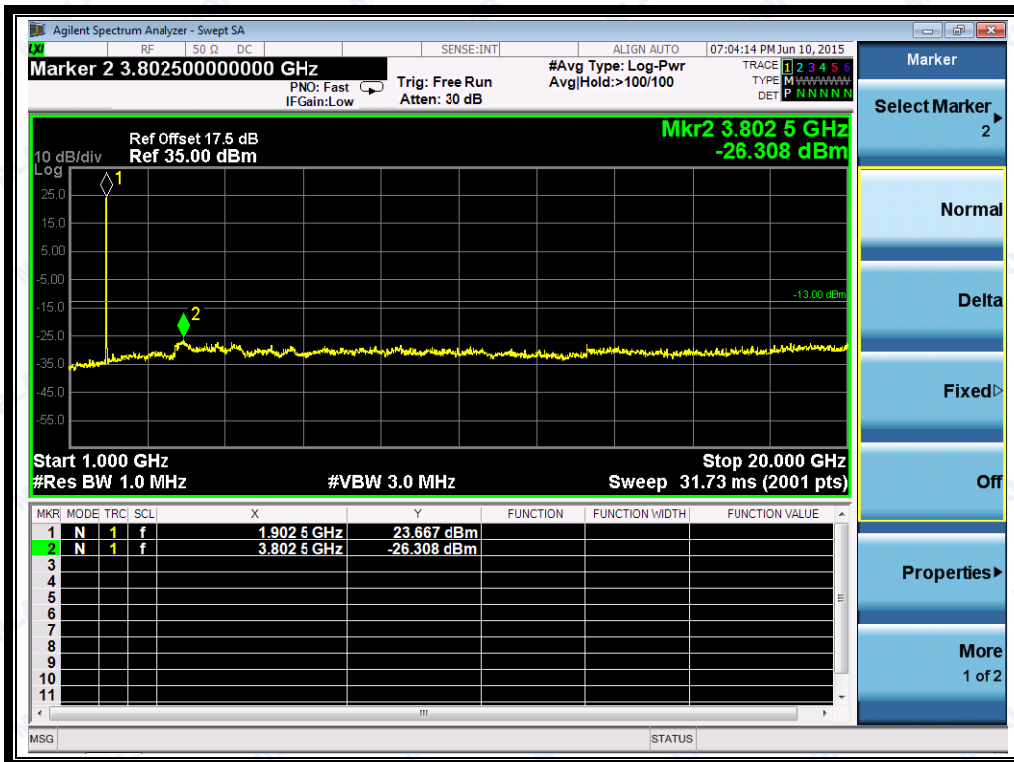
(Plot N2: HSPA+ 1900MHz Channel = 9400, 30MHz to 1GHz)



(Plot N2.1: HSPA+ 1900MHz Channel = 9400, 1GHz to 20GHz)



(Plot N3: HSPA+ 1900MHz Channel = 9538, 30MHz to 1GHz)



(Plot N3.1: HSPA+ 1900MHz Channel = 9538 1GHz to 20GHz)



2.6 Band Edge

2.6.1 Requirement

According to FCC section 22.917(b) and FCC section 24.238(b) in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

2.6.2 Test Description

See section 2.1.2 of this report.

2.6.3 Test Result

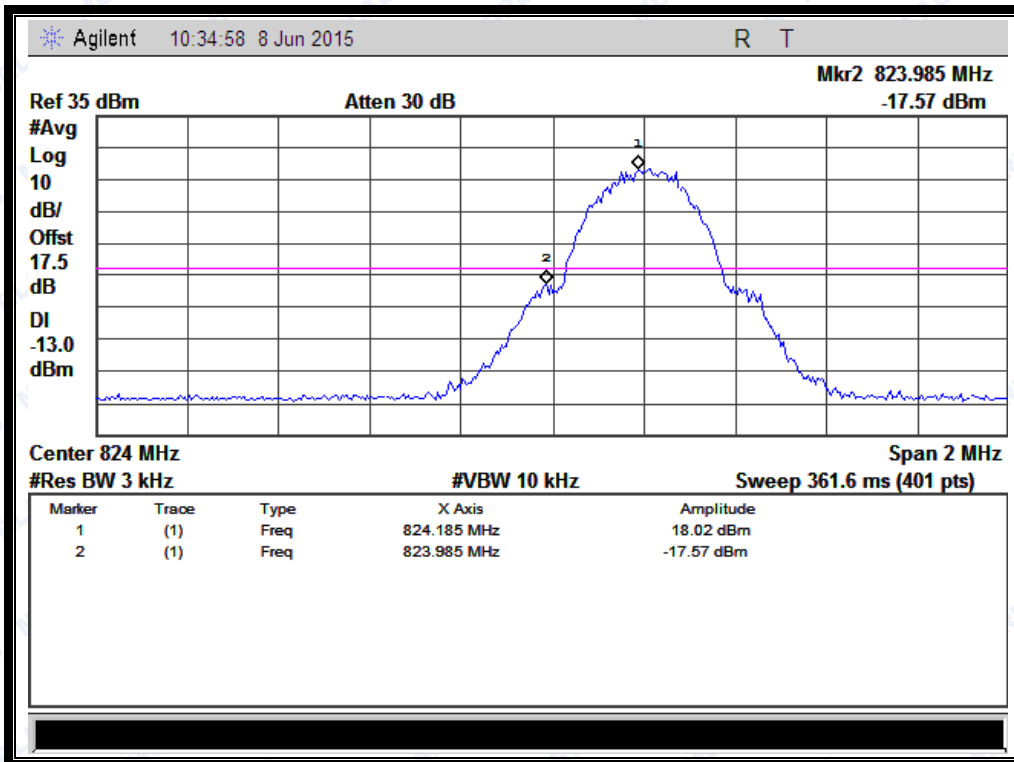
The lowest and highest channels are tested to verify the band edge emissions.

Test Verdict:

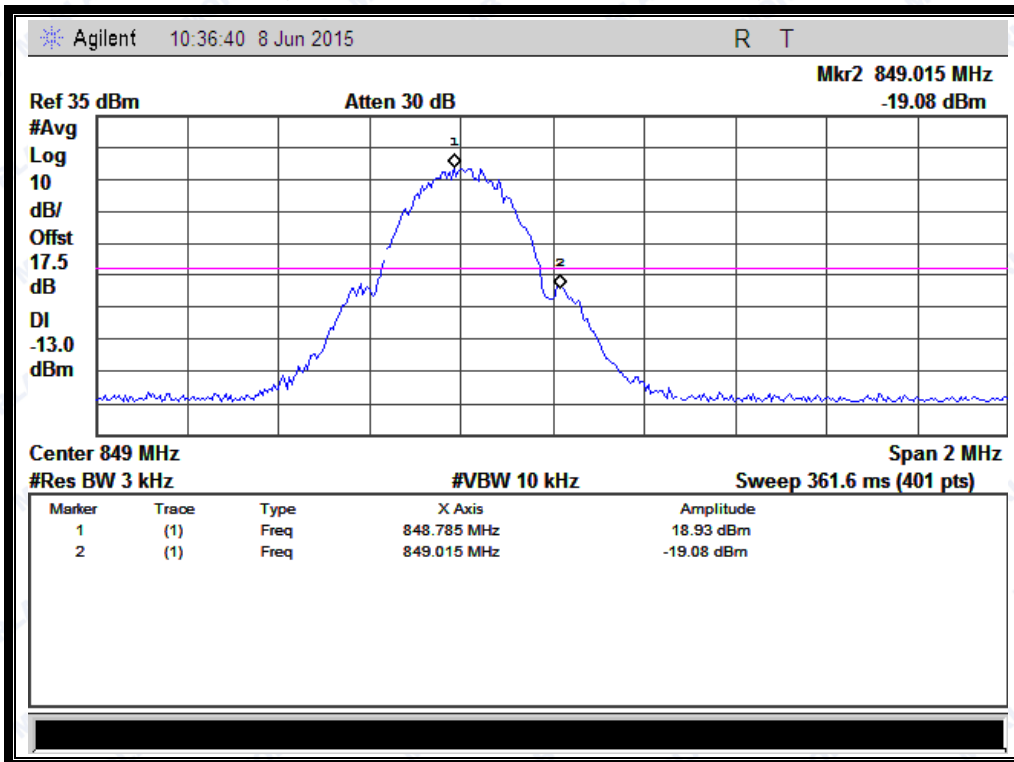
| Band | Channel | Frequency (MHz) | Measured Max. Band Edge Emission (dBm) | Refer to Plot | Limit (dBm) | Verdict |
|-------------------|---------|-----------------|--|---------------|-------------|---------|
| GSM 850MHz | 128 | 824.2 | -17.57 | Plat A1 | -13 | PASS |
| | 251 | 848.8 | -19.08 | Plot A2 | | PASS |
| GSM 1900MHz | 512 | 1850.2 | -21.5 | Plat B1 | -13 | PASS |
| | 810 | 1909.8 | -20.61 | Plot B2 | | PASS |
| EGPRS 850MHz | 128 | 824.2 | -26.31 | Plat C1 | -13 | PASS |
| | 251 | 848.8 | -26.81 | Plot C2 | | PASS |
| EGPRS 1900MHz | 512 | 1850.2 | -26.7 | Plat D1 | -13 | PASS |
| | 810 | 1909.8 | -25.91 | Plot D2 | | PASS |
| WCDMA 850MHz | 4132 | 826.4 | -21.82 | Plat E1 | -13 | PASS |
| | 4233 | 846.6 | -21.85 | Plot E2 | | PASS |
| WCDMA 1900MHz | 9262 | 1852.4 | -23.15 | Plat F1 | -13 | PASS |
| | 9538 | 1907.6 | -24.75 | Plot F2 | | PASS |
| HSDPA 850MHz | 4132 | 826.4 | -20.95 | Plat G1 | -13 | PASS |
| | 4233 | 846.6 | -20.38 | Plot G2 | | PASS |
| HSDPA 1900MHz | 9262 | 1852.4 | -21.96 | Plat H1 | -13 | PASS |
| | 9538 | 1907.6 | -25.37 | Plot H2 | | PASS |
| HSUPA 850MHz | 4132 | 826.4 | -21.77 | Plat I1 | -13 | PASS |
| | 4233 | 846.6 | -20.37 | Plot I2 | | PASS |
| HSUPA 1900MHz | 9262 | 1852.4 | -22.70 | Plat J1 | -13 | PASS |
| | 9538 | 1907.6 | -25.23 | Plot J2 | | PASS |
| HSPA+ 850MHz | 4132 | 826.4 | -21.78 | Plat K1 | -13 | PASS |
| | 4233 | 846.6 | -20.98 | Plot K2 | | PASS |
| HSPA + 1900MHz | 9262 | 1852.4 | -22.91 | Plat L1 | -13 | PASS |
| | 9538 | 1907.6 | -25.05 | Plot L2 | | PASS |



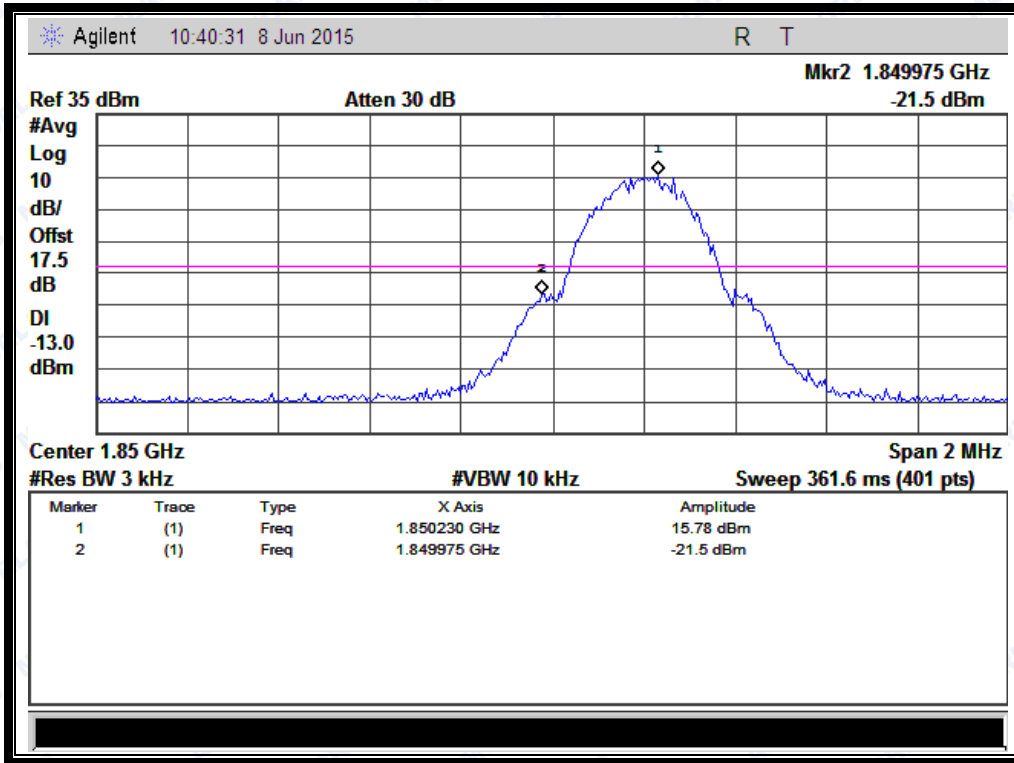
Test Plots:



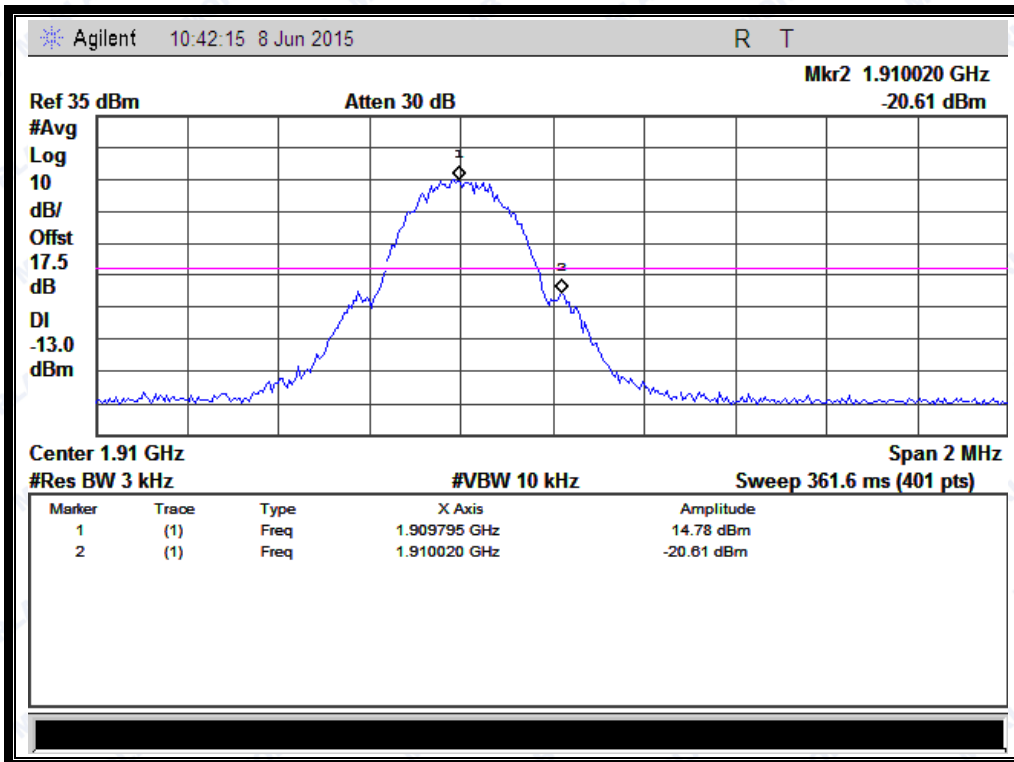
(Plot A1: GSM 850 Channel = 128)



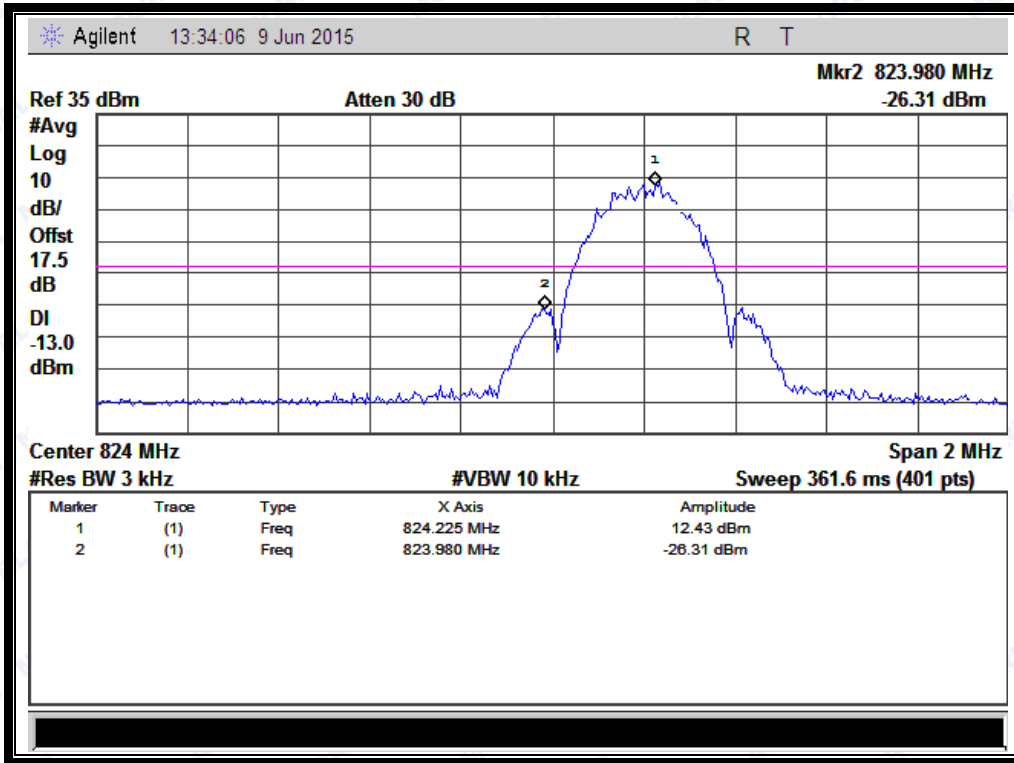
(Plot A2: GSM 850 Channel = 251)



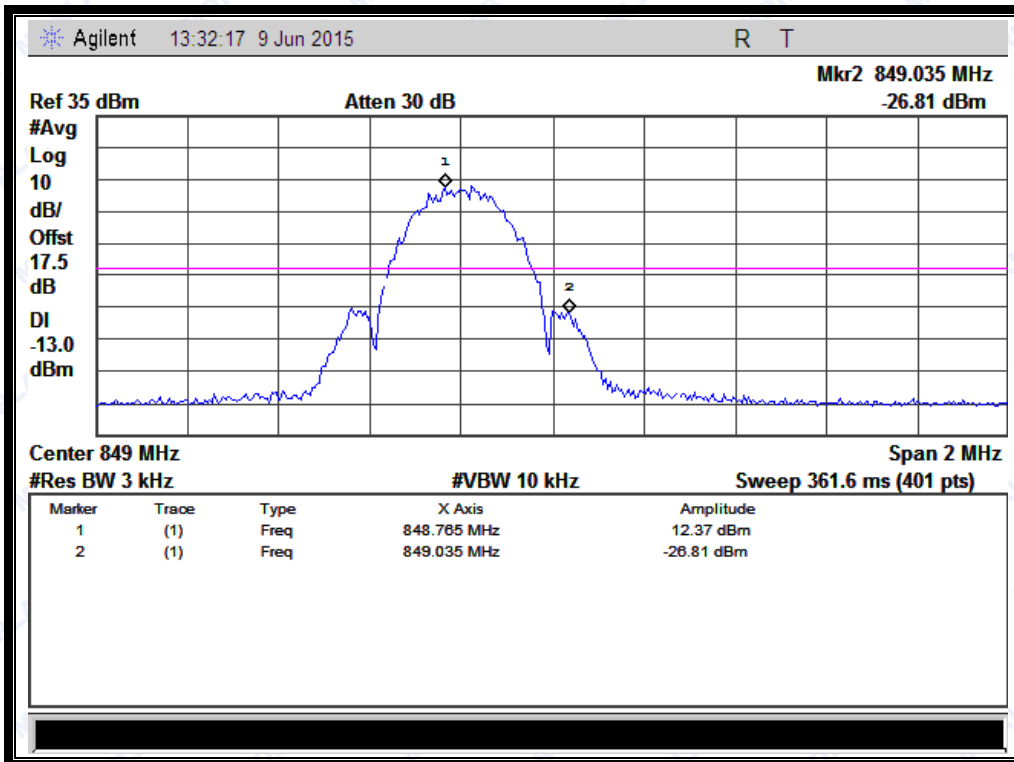
(Plot B1: GSM 1900 Channel = 512)



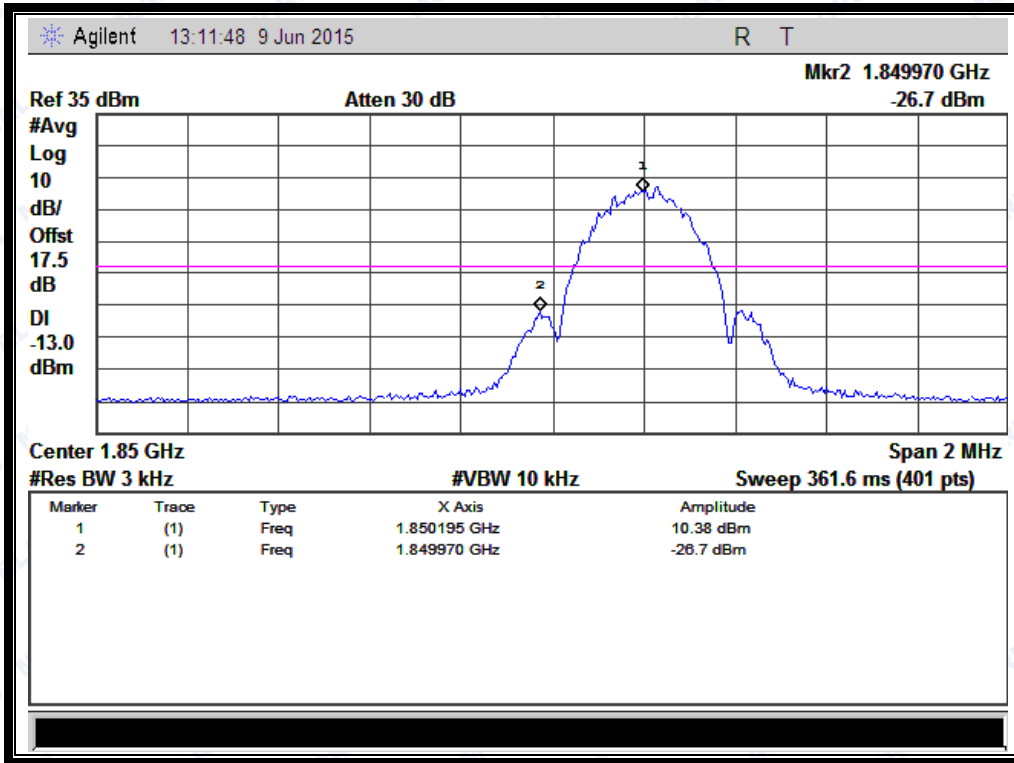
(Plot B2: GSM 1900 Channel = 810)



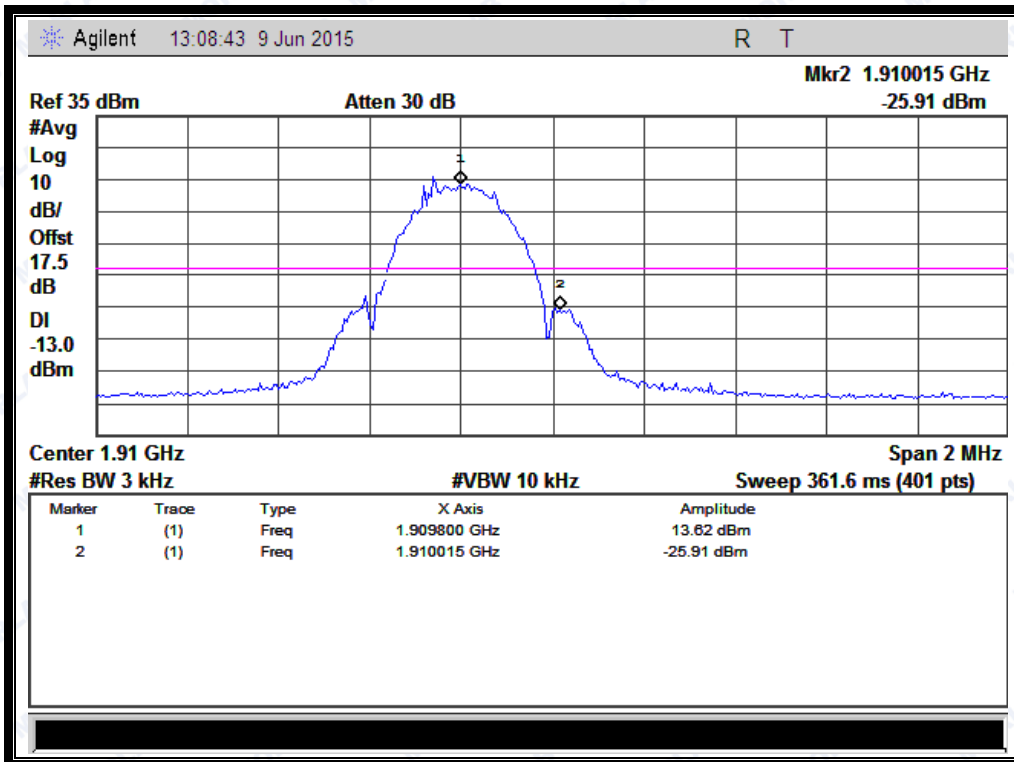
(Plot C1: EGPRS 850 Channel = 128)



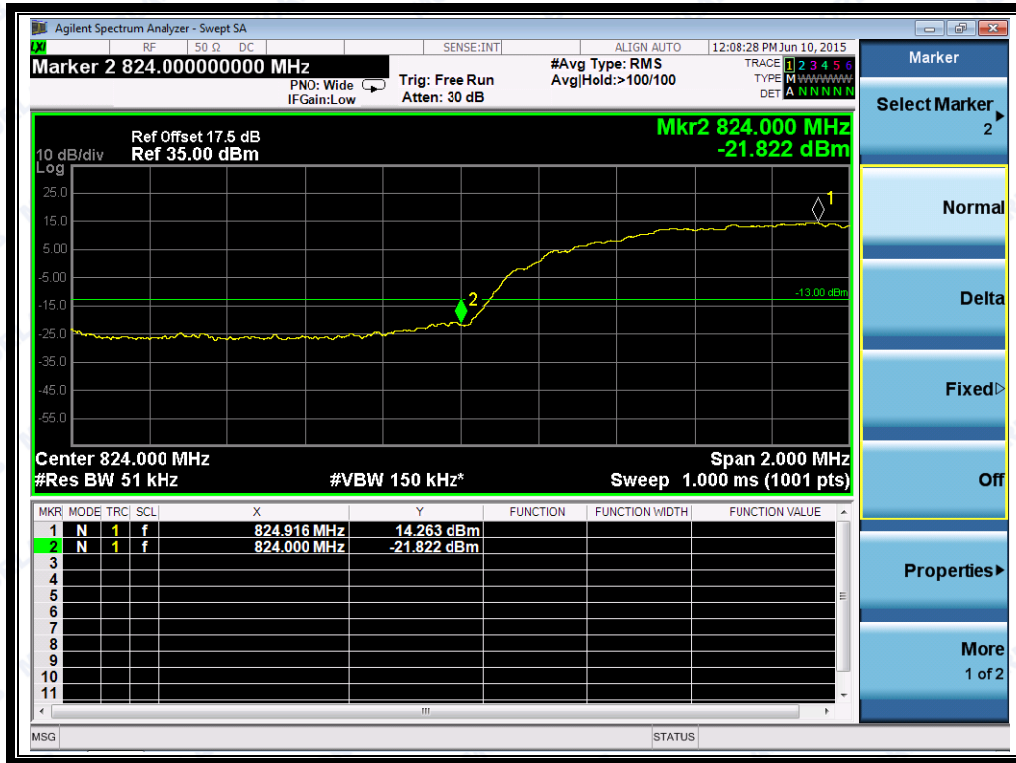
(Plot C2: EGPRS 850 Channel = 251)



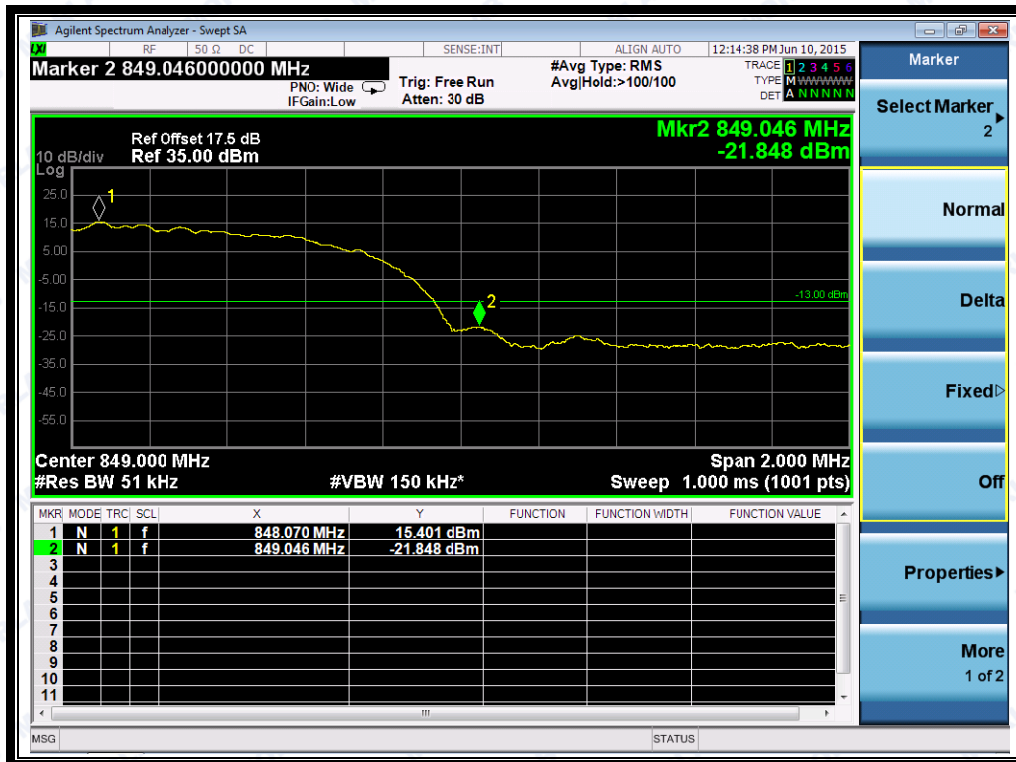
(Plot D1: EGPRS 1900 Channel = 512)



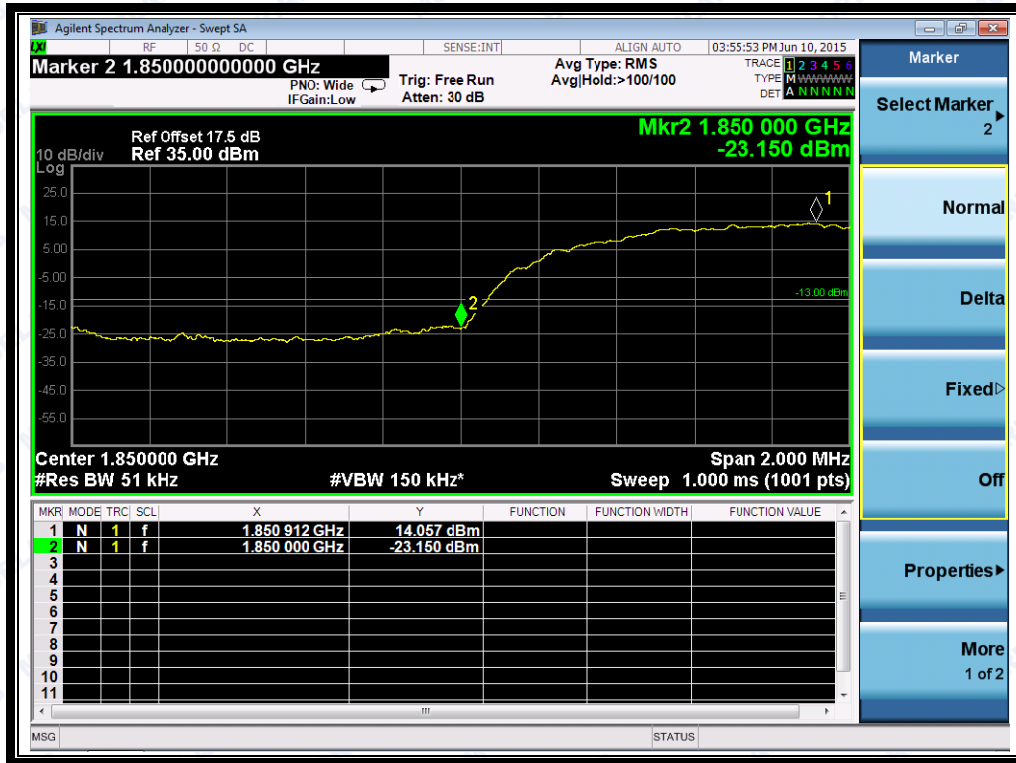
(Plot D2: EGPRS 1900 Channel = 810)



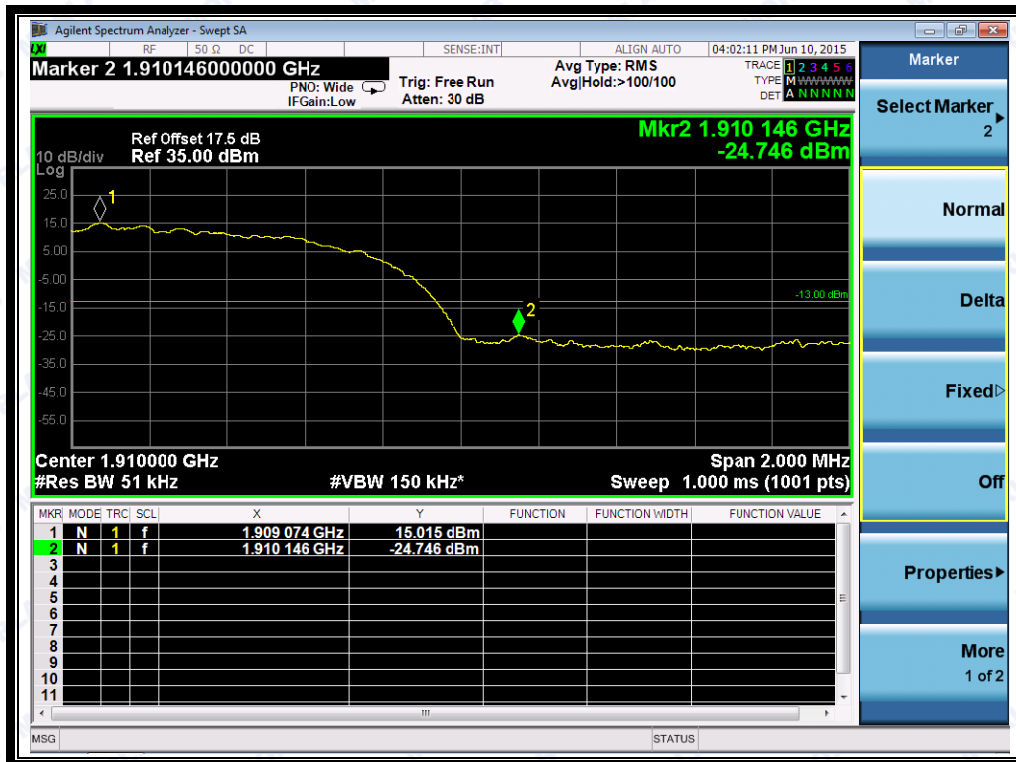
(Plot E1: WCDMA 850 Channel = 4132)



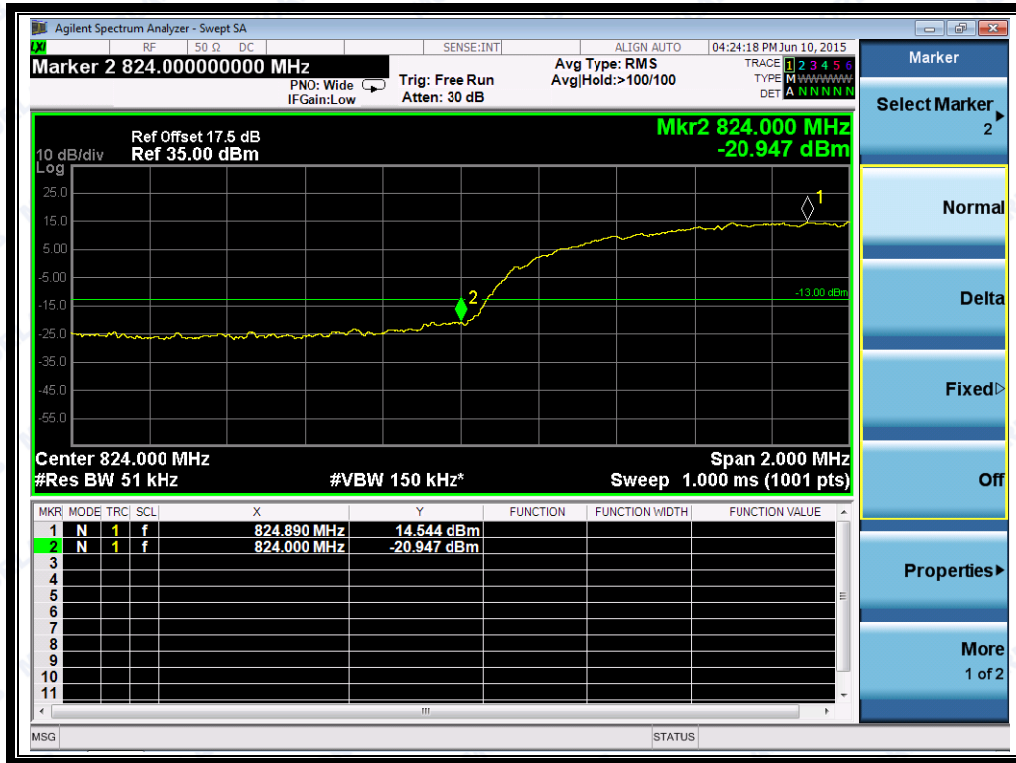
(Plot E2: WCDMA 850 Channel = 4233)



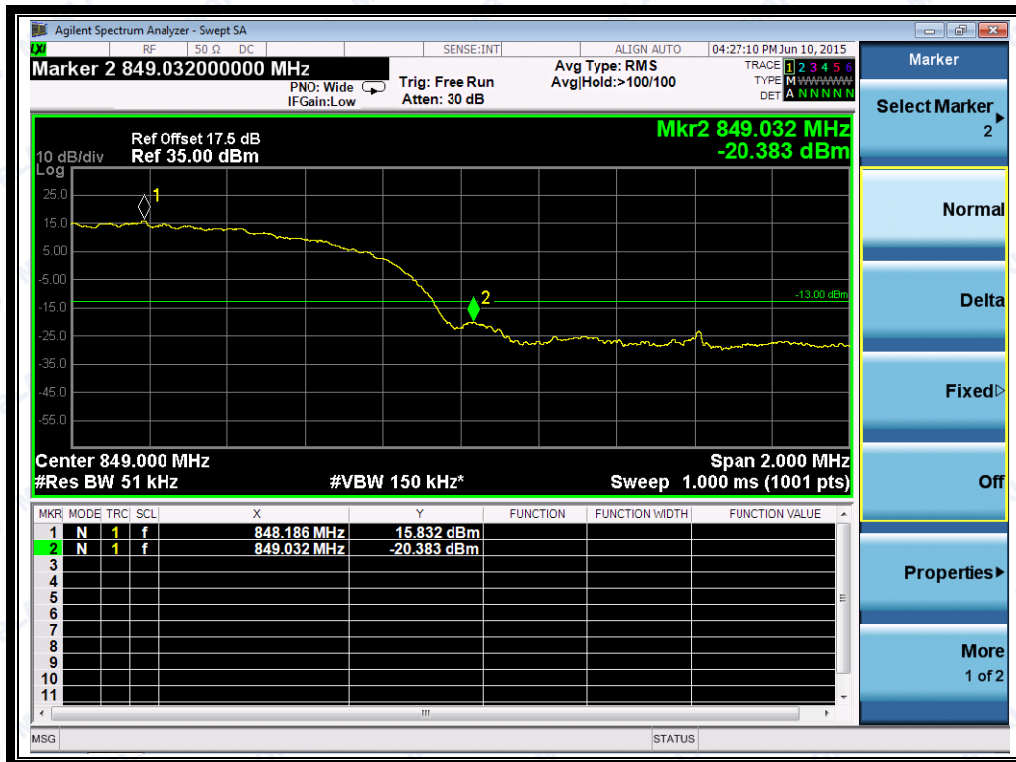
(Plot F1: WCDMA 1900 Channel = 9262)



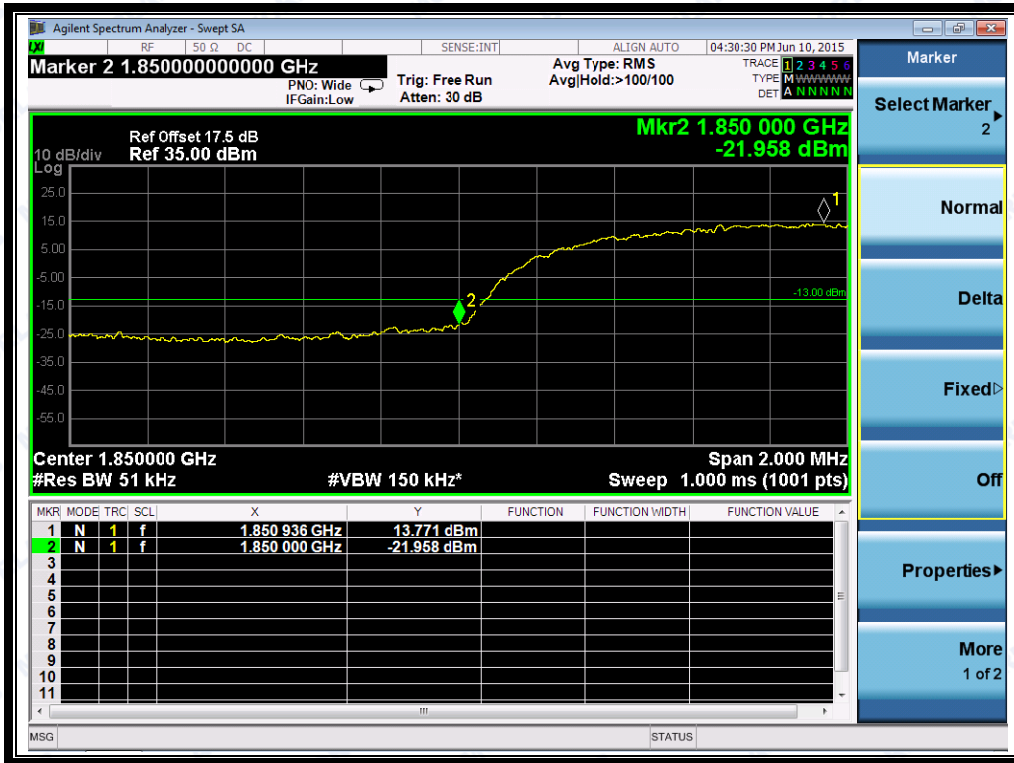
(Plot F2: WCDMA 1900 Channel = 9538)



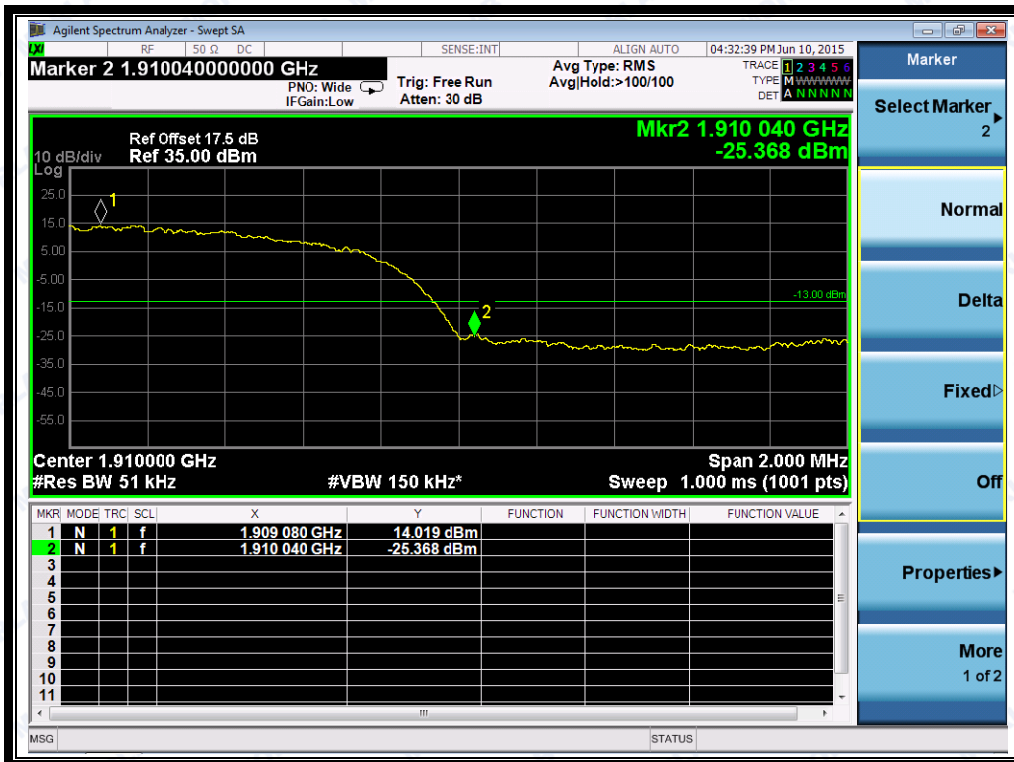
(Plot G1: HSDPA 850 Channel = 4132)



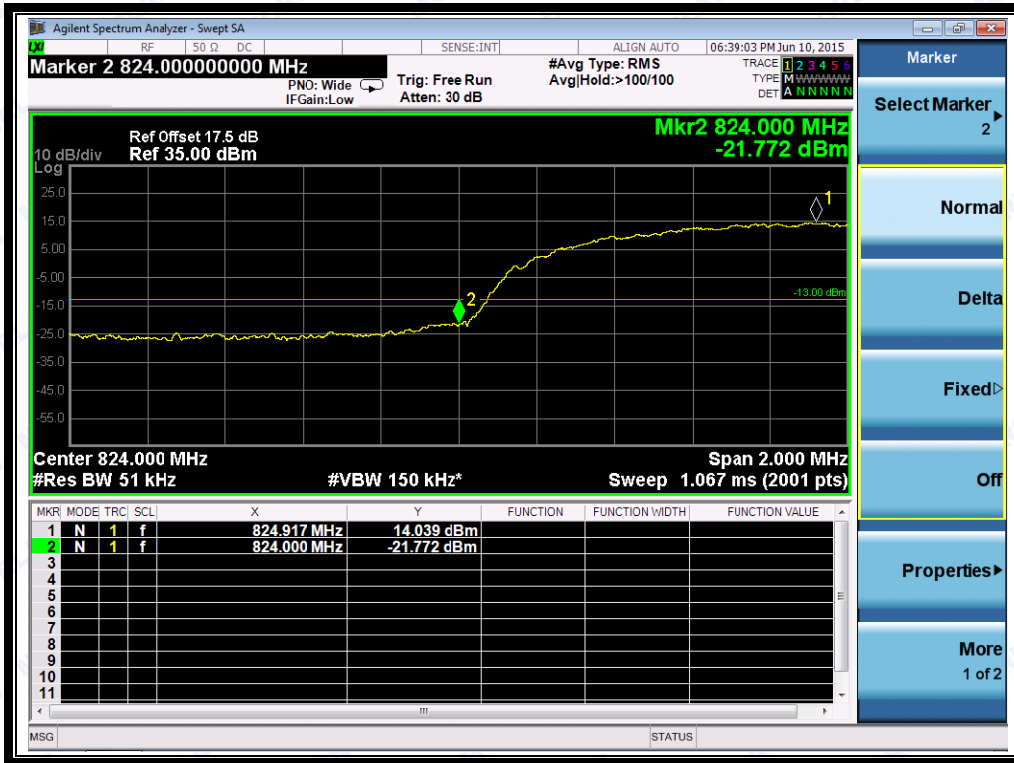
(Plot G2: HSDPA 850 Channel = 4233)



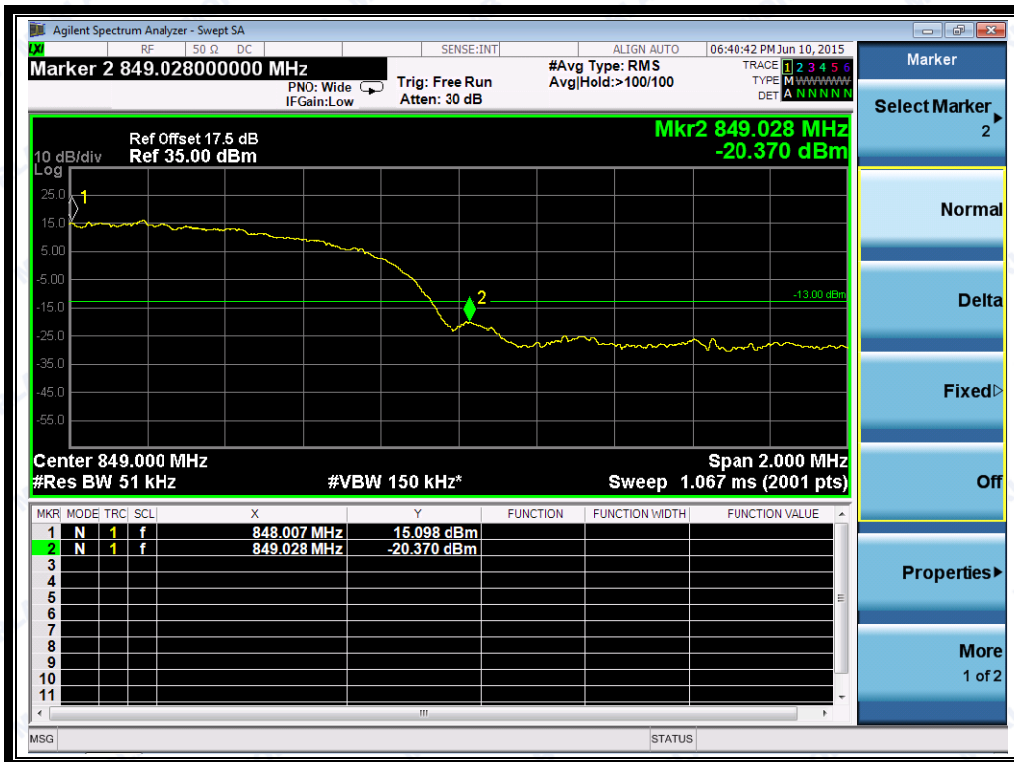
(Plot H1: HSDPA 1900 Channel = 9262)



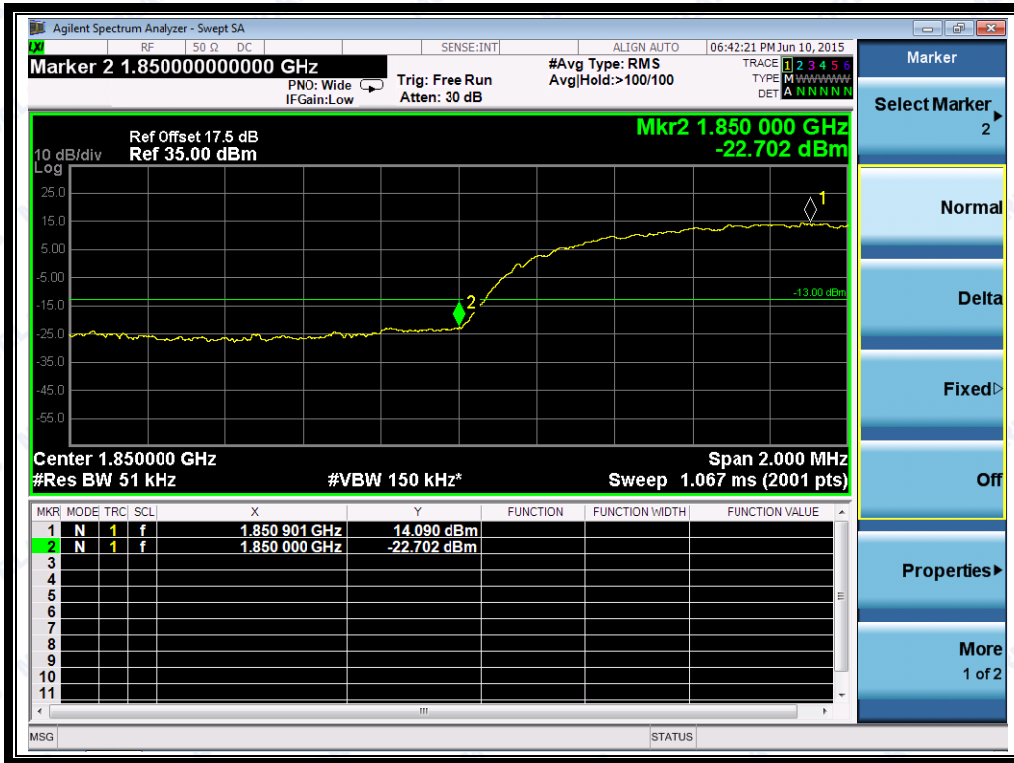
(Plot H2: HSDPA 1900 Channel = 9538)



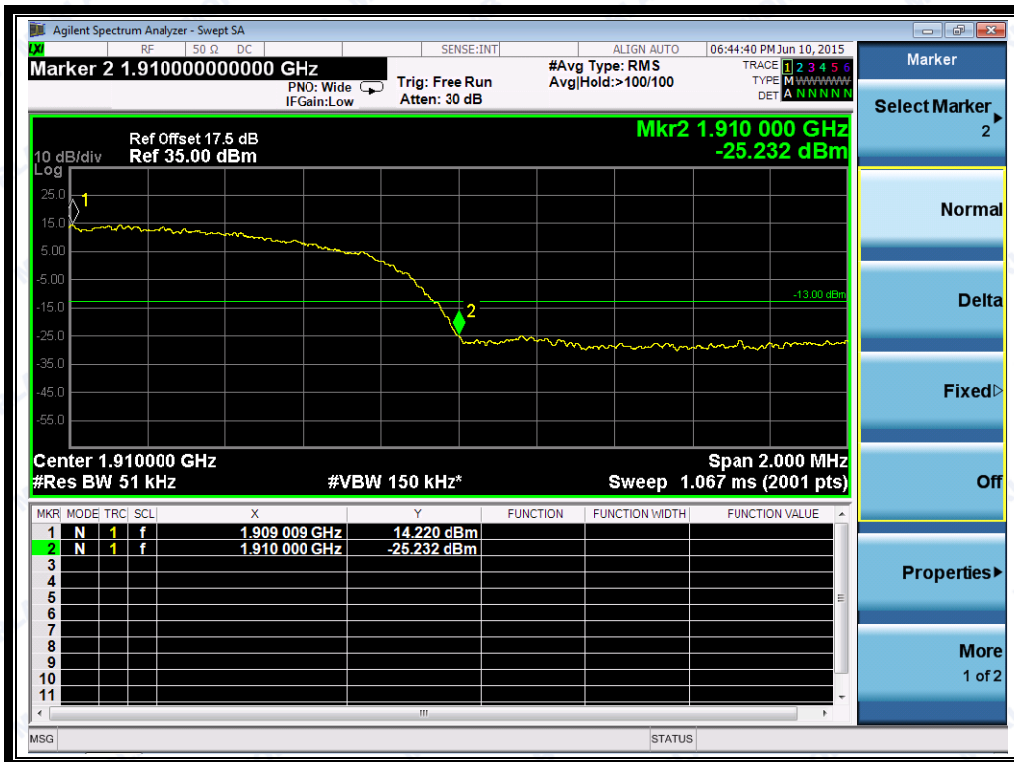
(Plot I1: HSUPA 850 Channel = 4132)



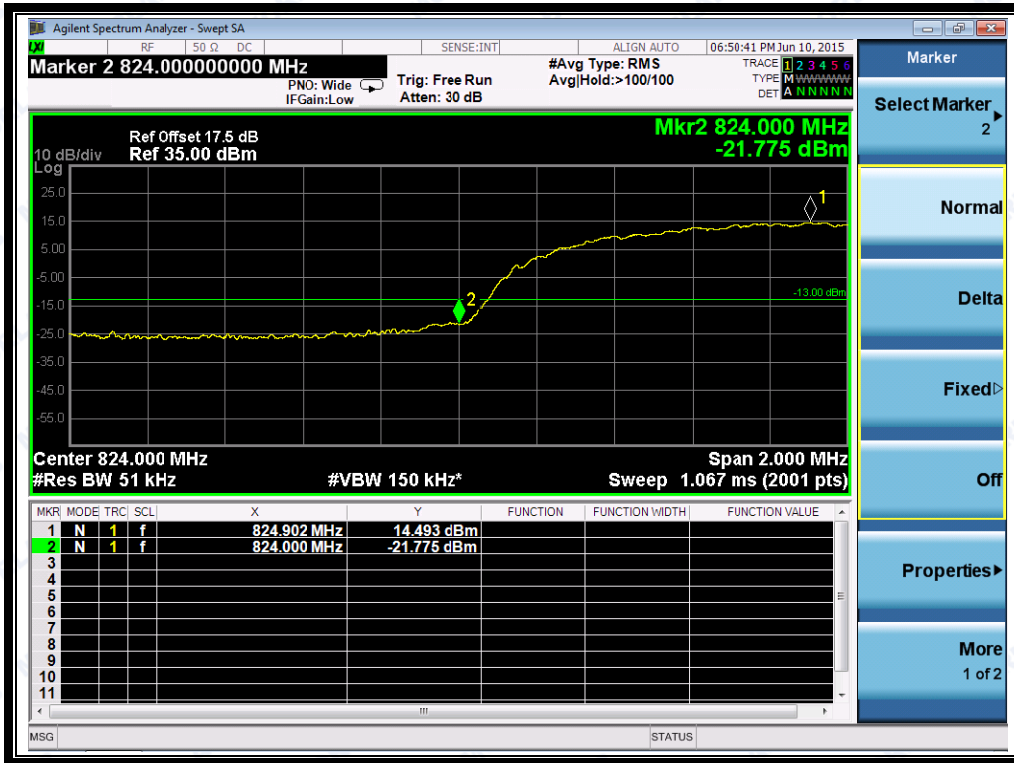
(Plot I2: HSUPA 850 Channel = 4233)



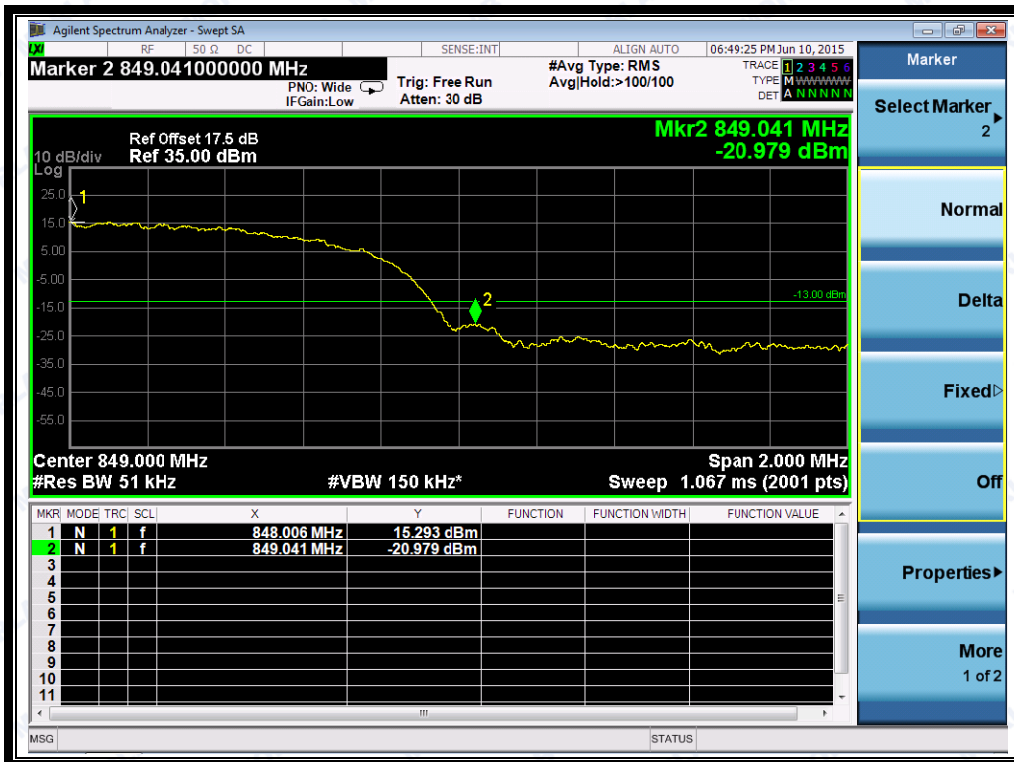
(Plot J1: HSUPA 1900 Channel = 9262)



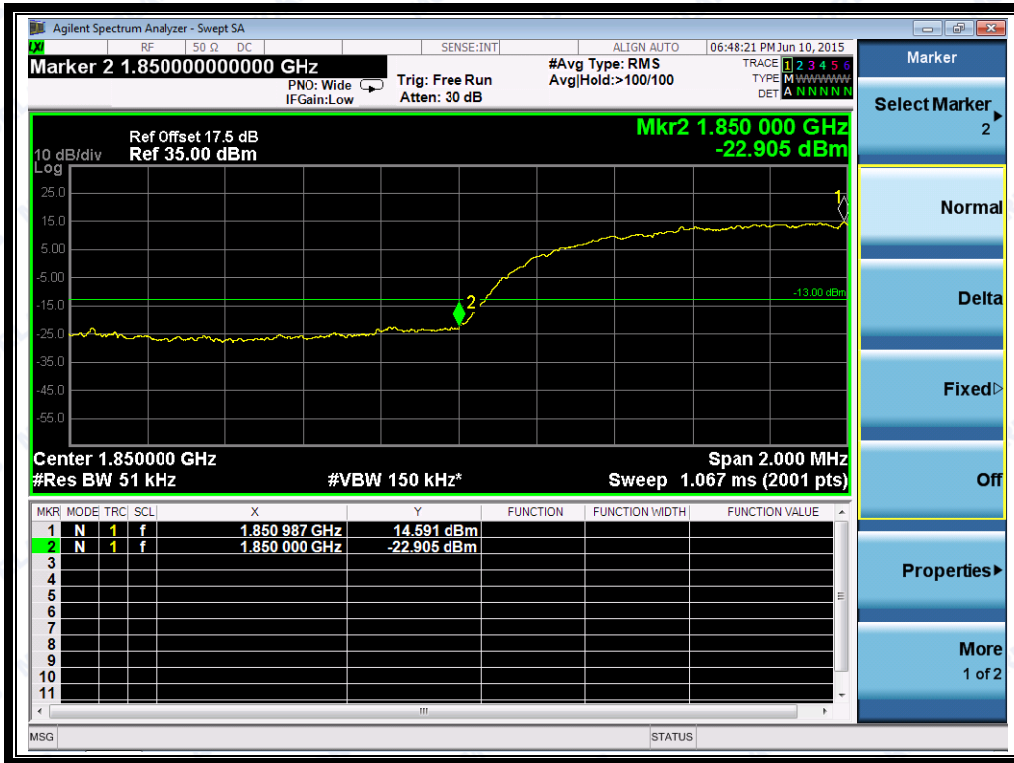
(Plot J2: HSUPA 1900 Channel = 9538)



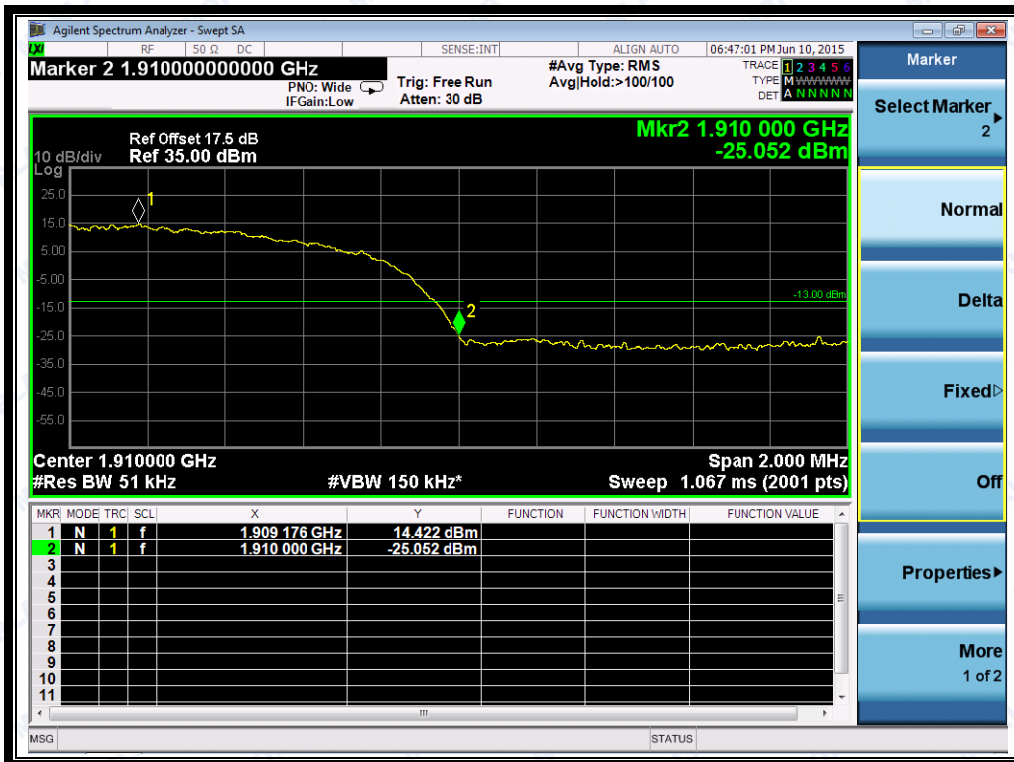
(Plot K1: HSPA+ 850 Channel = 4132)



(Plot K2: HSPA+ 850 Channel = 4233)



(Plot L1: HSPA+ 1900 Channel = 9262)



(Plot L2: HSPA+ 1900 Channel = 9538)

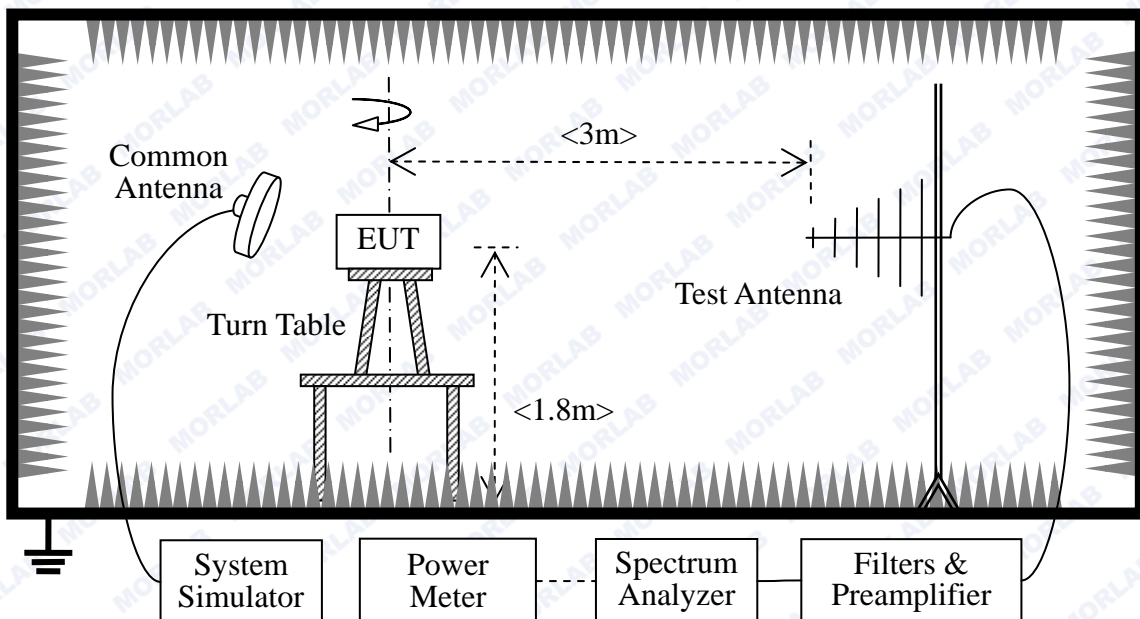
2.7 Transmitter Radiated Power (EIRP/ERP)

2.7.1 Requirement

According to FCC section 22.913, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7Watts, and FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

2.7.2 Test Description

Test Setup:



The EUT, which is powered by the Battery charged with the AC Adapter, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. GSM850MHz band Power Control Level (PCL) = 5/19 and Power Class = 4, GSM1900MHz band Power Control Level (PCL) = 0/15 and Power Class = 1), and only the test result of the maximum output power was recorded.

- GSM Maximum RF output power: GSM 850 32.57dBm, GSM 1900 29.88dBm. WCDMA 850 24.27 dBm, WCDMA 1900 24.10 dBm .Please refer to section 2.1.3 of this report.
- Step size (dB): 3dB
- Minimum RF power: GSM 850 2.7dBm, GSM 1900 0.6dBm, WCDMA 850 0.23dBm, WCDMA 1900 0.7dBm.



The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|-----------------------|--------------|------------------------|--------------|------------|------------|
| System Simulator | Agilent | E5515C | GB43130131 | 2015.02.26 | 2016.02.25 |
| Spectrum Analyzer | Agilent | E7405A | US44210471 | 2015.02.26 | 2016.02.25 |
| Full-Anechoic Chamber | Albatross | 9m*6m*6m | (n.a.) | 2015.02.26 | 2016.02.25 |
| Test Antenna - Bi-Log | Schwarzbeck | VULB 9163 | 9163-274 | 2015.02.26 | 2016.02.25 |
| Test Antenna - Horn | Schwarzbeck | BBHA 9120C | 9120C-384 | 2015.02.26 | 2016.02.25 |
| Substitution Antenna | Schwarzbeck | BBHA 9120C | 9120C-384 | 2015.02.26 | 2016.02.25 |
| Pre-AMPs | lucix | S10M100L3802 | S020180L3203 | 2015.02.26 | 2016.02.25 |
| Notch Filter | COM-MW | ZBSF-C836.5-2 5-X | NA | 2015.02.26 | 2016.02.25 |
| Notch Filter | COM-MW | ZBSF-C1747.5- 75-X2 | NA | 2015.02.26 | 2016.02.25 |
| Notch Filter | COM-MW | ZBSF-C1880-60 -X2 | NA | 2015.02.26 | 2016.02.25 |

2.7.3 Test Result

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST_TX}} - P_{\text{SUBST_RX}} - L_{\text{SUBST_CABLES}} + G_{\text{SUBST_TX_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,

$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ is substitution antenna gain.



A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT} .

GSM Model Test Verdict:

| Band | Channel | Frequency (MHz) | PCL | Measured ERP | | | Limit | | Verdict |
|-----------------|---------|-----------------|-----|--------------|-------|--------------------------|-------|---|---------|
| | | | | dBm | W | Refer to Plot | dBm | W | |
| GSM 850MHz | 128 | 824.20 | 5 | 32.96 | 1.977 | Plot A | 38.5 | 7 | PASS |
| | 190 | 836.60 | 5 | 32.58 | 1.811 | | | | PASS |
| | 251 | 848.80 | 5 | 32.22 | 1.667 | | | | PASS |
| GPRS 850MHz | 128 | 824.20 | 5 | 28.93 | 0.782 | Plot B ^{Note 1} | 38.5 | 7 | PASS |
| | 190 | 836.60 | 5 | 29.58 | 0.908 | | | | PASS |
| | 251 | 848.80 | 5 | 30.00 | 1.000 | | | | PASS |
| EGPRS 850MHz | 128 | 824.20 | 5 | 26.11 | 0.408 | Plot C ^{Note 1} | 38.5 | 7 | PASS |
| | 190 | 836.60 | 5 | 27.69 | 0.587 | | | | PASS |
| | 251 | 848.80 | 5 | 27.88 | 0.614 | | | | PASS |

| Band | Channel | Frequency (MHz) | PCL | Measured EIRP | | | Limit | | Verdict |
|------------------|---------|-----------------|-----|---------------|-------|--------------------------|-------|---|---------|
| | | | | dBm | W | Refer to Plot | dBm | W | |
| GSM 1900MHz | 512 | 1850.2 | 0 | 29.09 | 0.811 | Plot D | 33 | 2 | PASS |
| | 661 | 1880.0 | 0 | 28.61 | 0.726 | | | | PASS |
| | 810 | 1909.8 | 0 | 28.24 | 0.667 | | | | PASS |
| GPRS 1900MHz | 512 | 1850.2 | 0 | 26.52 | 0.449 | Plot E ^{Note 1} | 33 | 2 | PASS |
| | 661 | 1880.0 | 0 | 26.28 | 0.425 | | | | PASS |
| | 810 | 1909.8 | 0 | 26.47 | 0.444 | | | | PASS |
| EGPRS 1900MHz | 512 | 1850.2 | 0 | 25.34 | 0.342 | Plot F ^{Note 1} | 33 | 2 | PASS |
| | 661 | 1880.0 | 0 | 25.61 | 0.364 | | | | PASS |
| | 810 | 1909.8 | 0 | 25.27 | 0.337 | | | | PASS |

Note 1: For the GPRS and EGPRS model, all the slots were tested and just the worst data was record in this report.



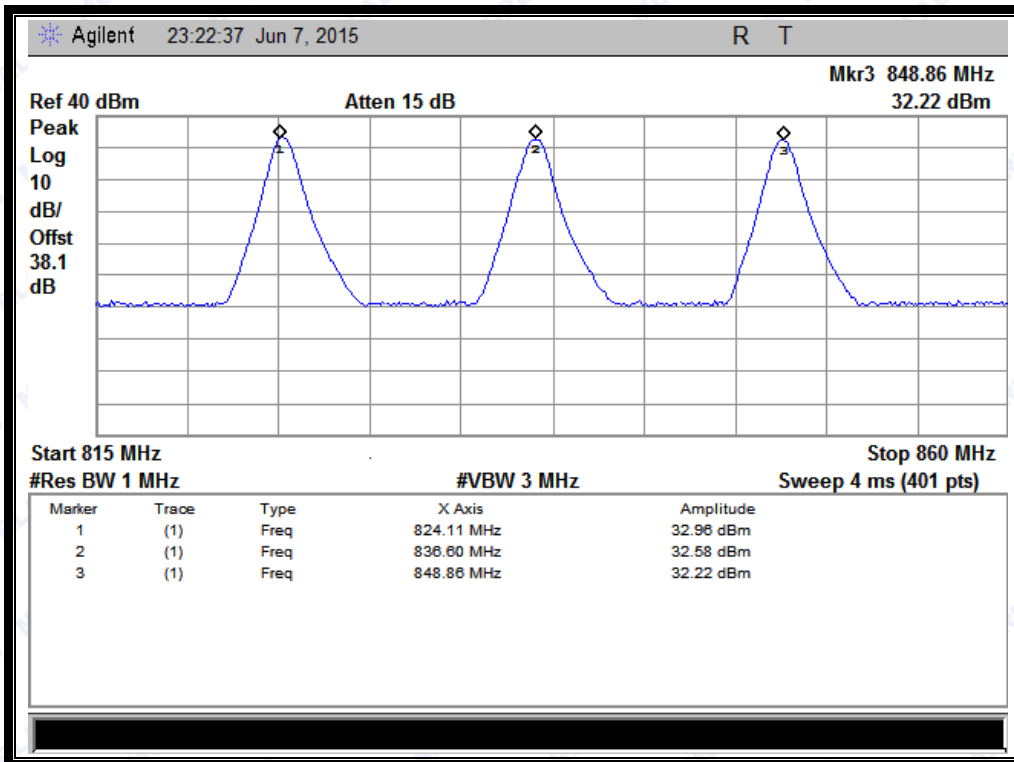
WCDMA Model Test Verdict:

| Band | Channel | Frequency (MHz) | Measured ERP | | | Limit | | Verdict |
|-----------------|---------|-----------------|--------------|-------|---------------|-------|---|---------|
| | | | dBm | W | Refer to Plot | dBm | W | |
| WCDMA 850MHz | 4132 | 826.4 | 27.82 | 0.605 | Plot G | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 28.48 | 0.705 | | | | PASS |
| | 4233 | 846.6 | 28.48 | 0.705 | | | | PASS |
| HSDPA 850MHz | 4132 | 826.4 | 27.67 | 0.585 | Plot H | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 28.17 | 0.656 | | | | PASS |
| | 4233 | 846.6 | 28.20 | 0.661 | | | | PASS |
| HSUPA 850MHz | 4132 | 826.4 | 27.60 | 0.575 | Plot I | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 28.14 | 0.652 | | | | PASS |
| | 4233 | 846.6 | 28.45 | 0.700 | | | | PASS |
| HSPA+ 850MHz | 4132 | 826.4 | 27.74 | 0.594 | Plot J | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 28.18 | 0.658 | | | | PASS |
| | 4233 | 846.6 | 28.25 | 0.668 | | | | PASS |

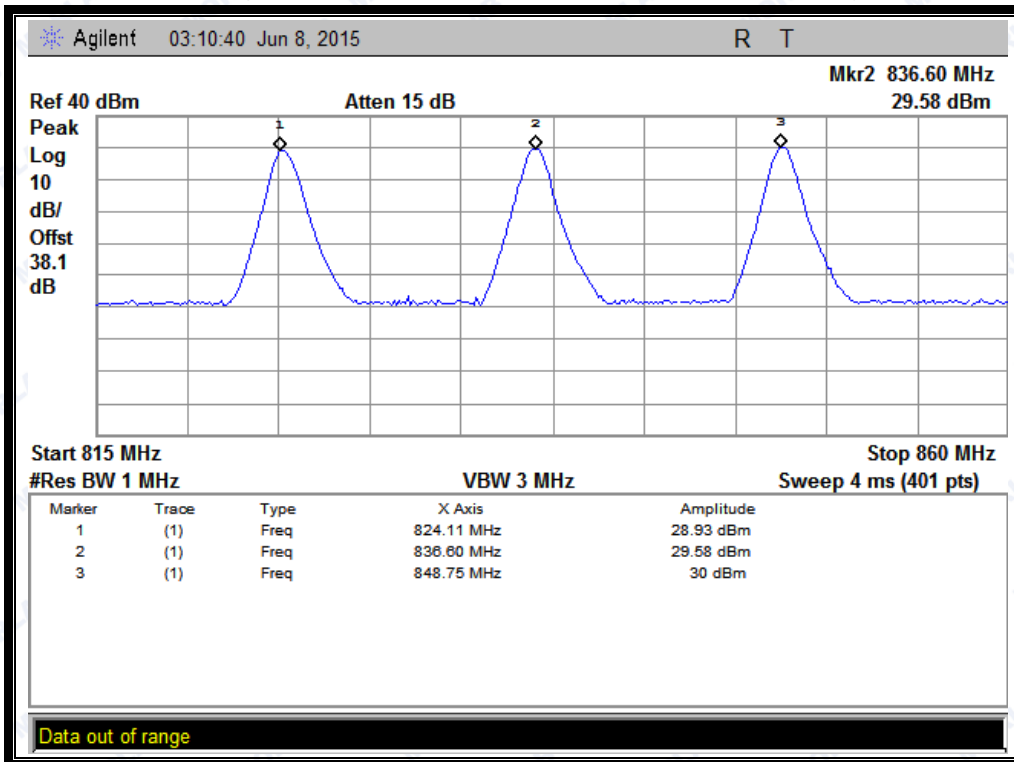
| Band | Channel | Frequency (MHz) | Measured EIRP | | | Limit | | Verdict |
|------------------|---------|-----------------|---------------|-------|---------------|-------|---|---------|
| | | | dBm | W | Refer to Plot | dBm | W | |
| WCDMA 1900MHz | 9262 | 1852.4 | 27.75 | 0.596 | Plot K | 33 | 2 | PASS |
| | 9400 | 1880.0 | 27.63 | 0.579 | | | | PASS |
| | 9538 | 1907.6 | 26.73 | 0.471 | | | | PASS |
| HSDPA 1900MHz | 9262 | 1852.4 | 27.86 | 0.611 | Plot L | 33 | 2 | PASS |
| | 9400 | 1880.0 | 27.50 | 0.562 | | | | PASS |
| | 9538 | 1907.6 | 26.73 | 0.471 | | | | PASS |
| HSUPA 1900MHz | 9262 | 1852.4 | 27.90 | 0.617 | Plot M | 33 | 2 | PASS |
| | 9400 | 1880.0 | 27.79 | 0.601 | | | | PASS |
| | 9538 | 1907.6 | 26.56 | 0.453 | | | | PASS |
| HSPA+ 1900MHz | 9262 | 1852.4 | 27.90 | 0.617 | Plot N | 33 | 2 | PASS |
| | 9400 | 1880.0 | 27.70 | 0.589 | | | | PASS |
| | 9538 | 1907.6 | 26.60 | 0.457 | | | | PASS |



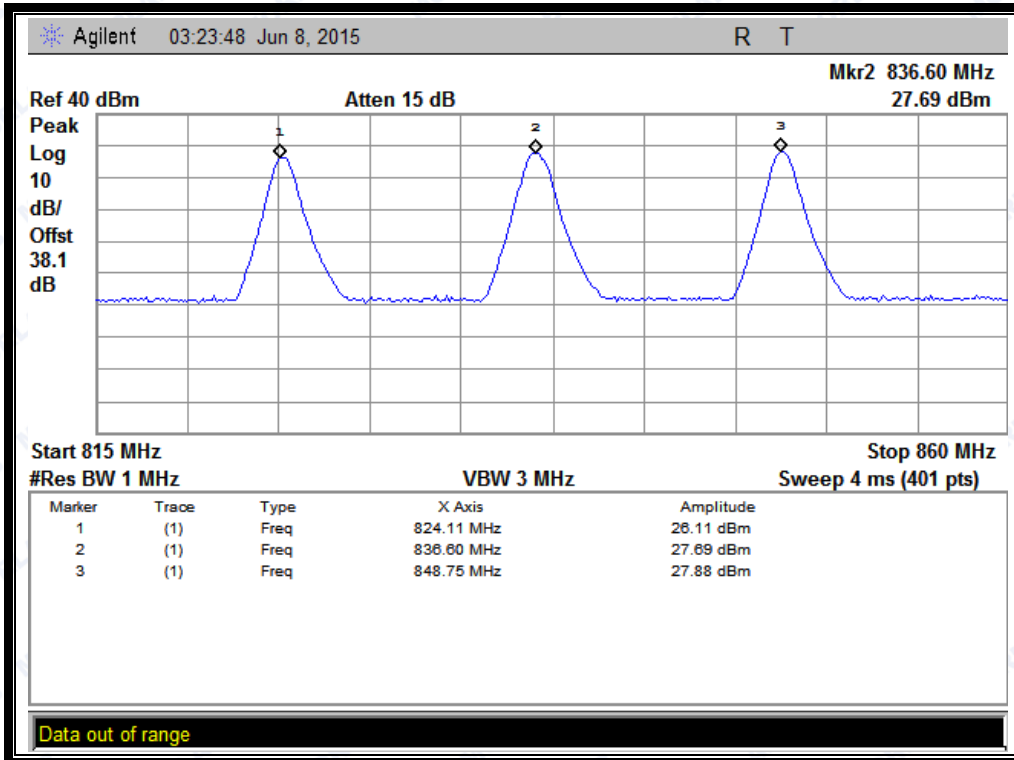
Test Plots:



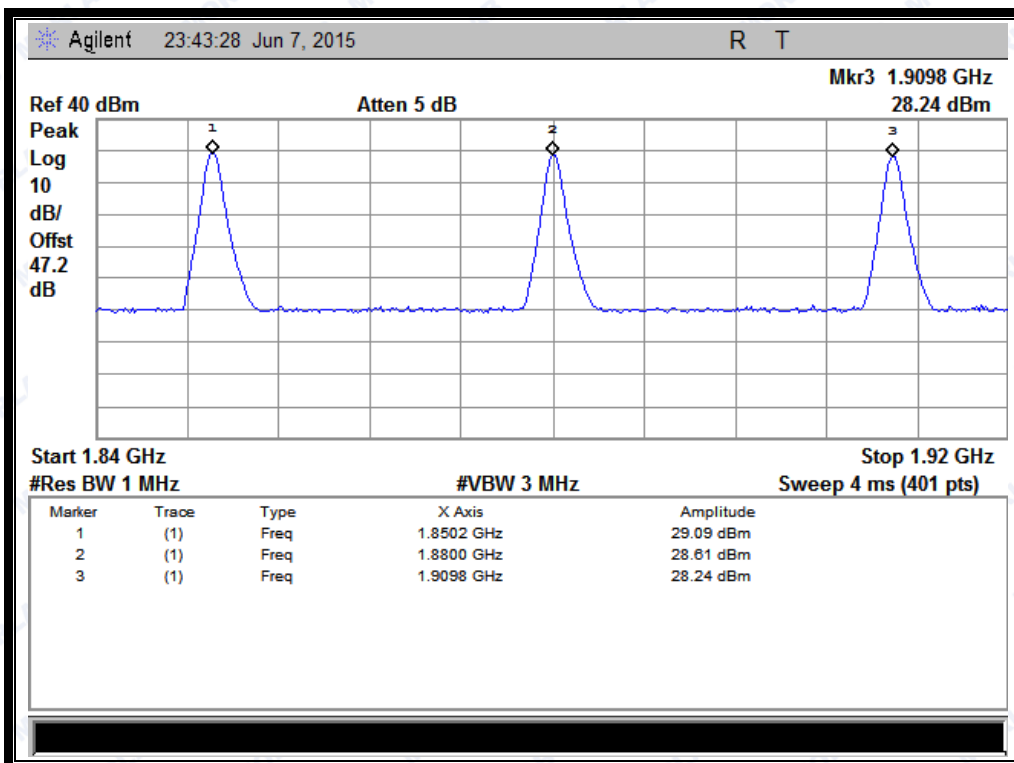
(Plot A: GSM 850MHz Channel = 128, 190, 251)



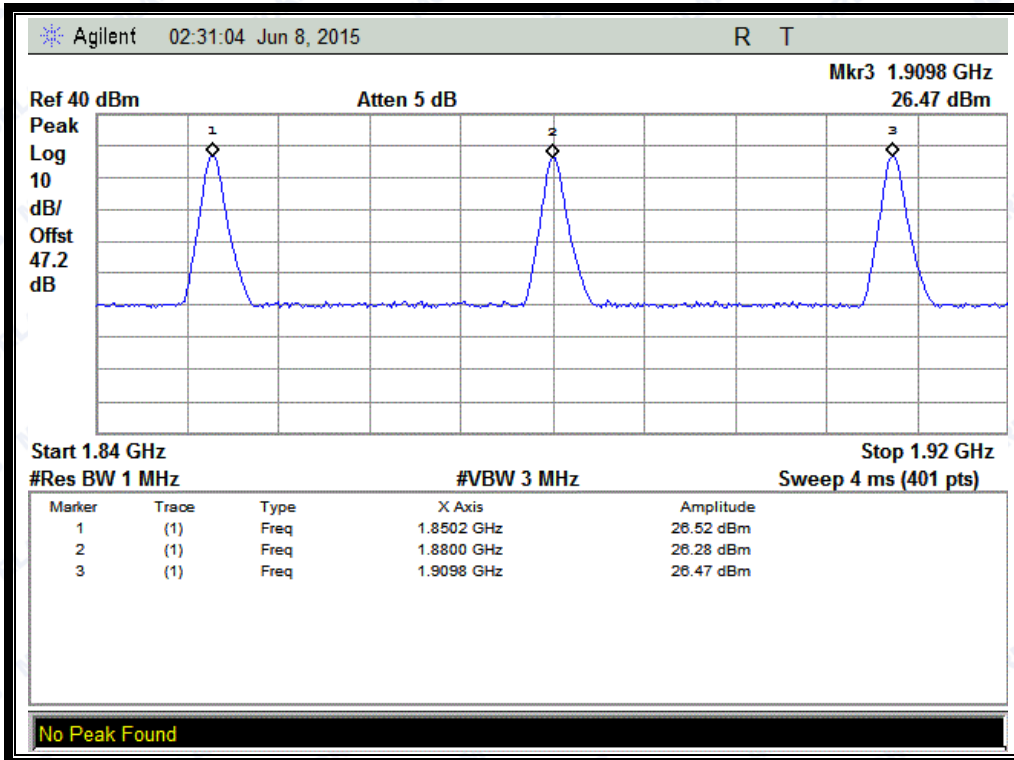
(Plot B: GPRS 850MHz Channel = 128, 190, 251)



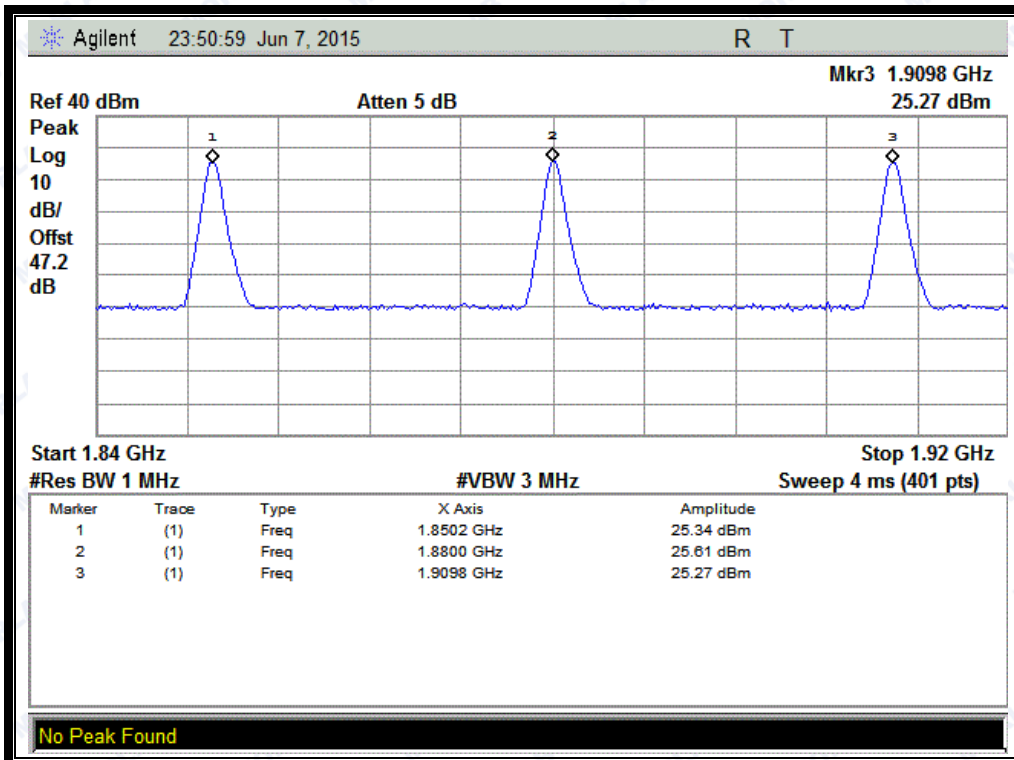
(Plot C: EGPRS 850MHz Channel = 128, 190, 251)



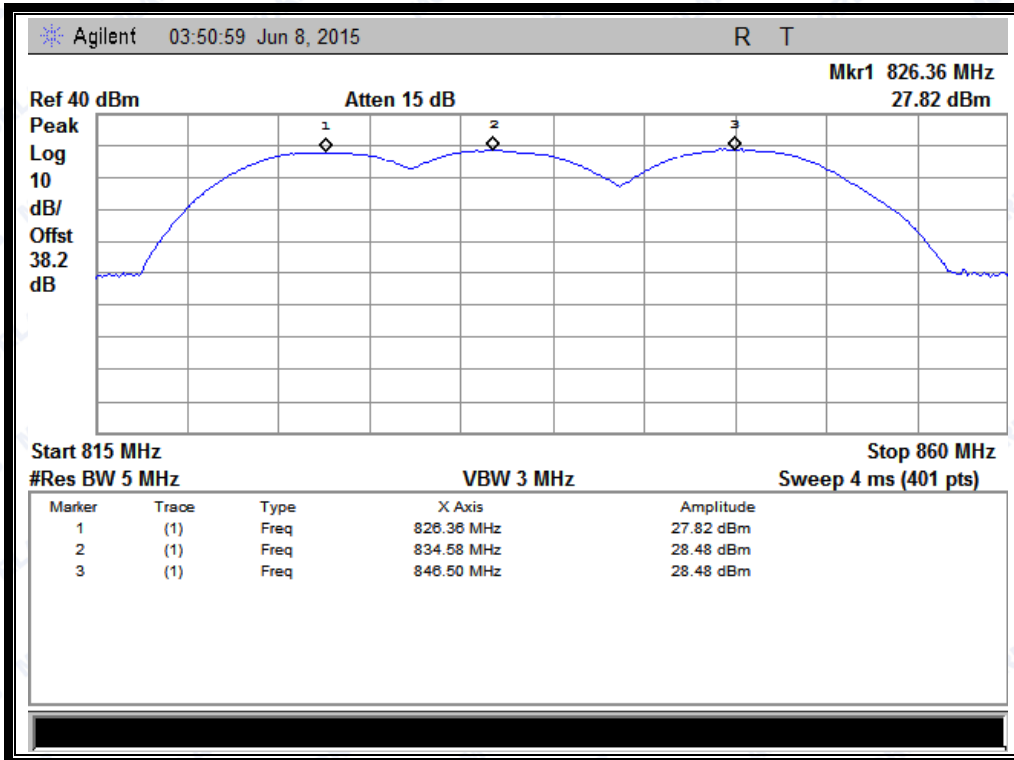
(Plot D: GSM 1900MHz Channel = 512, 661, 810)



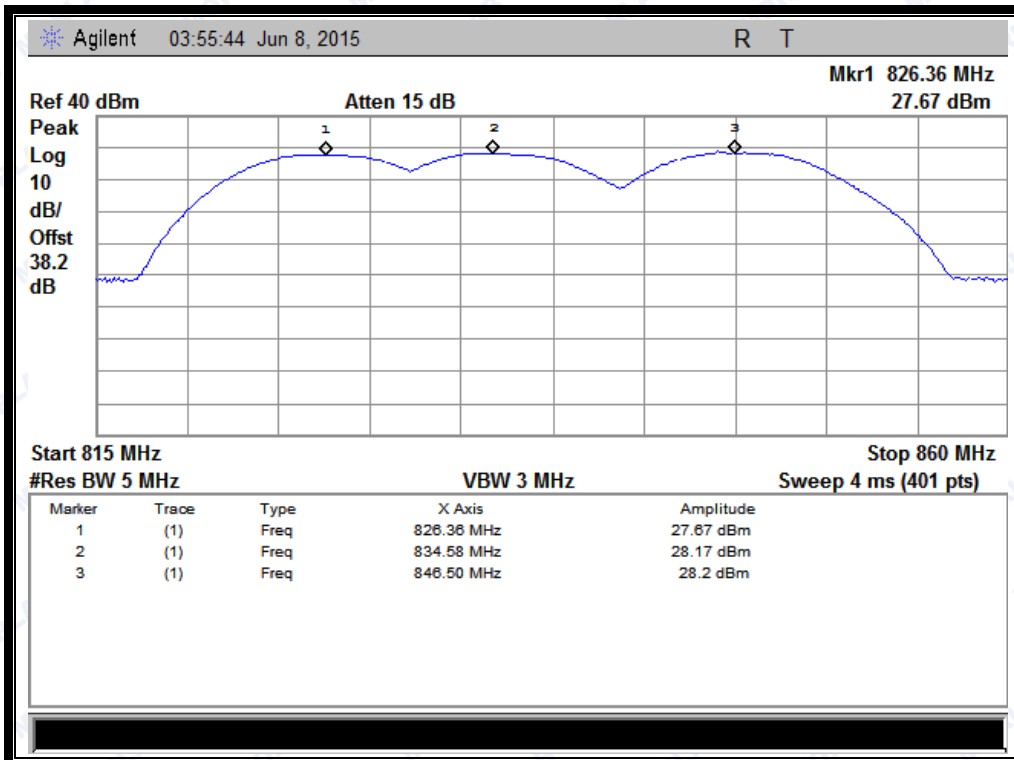
(Plot E: GPRS 1900MHz Channel = 512, 661, 810)



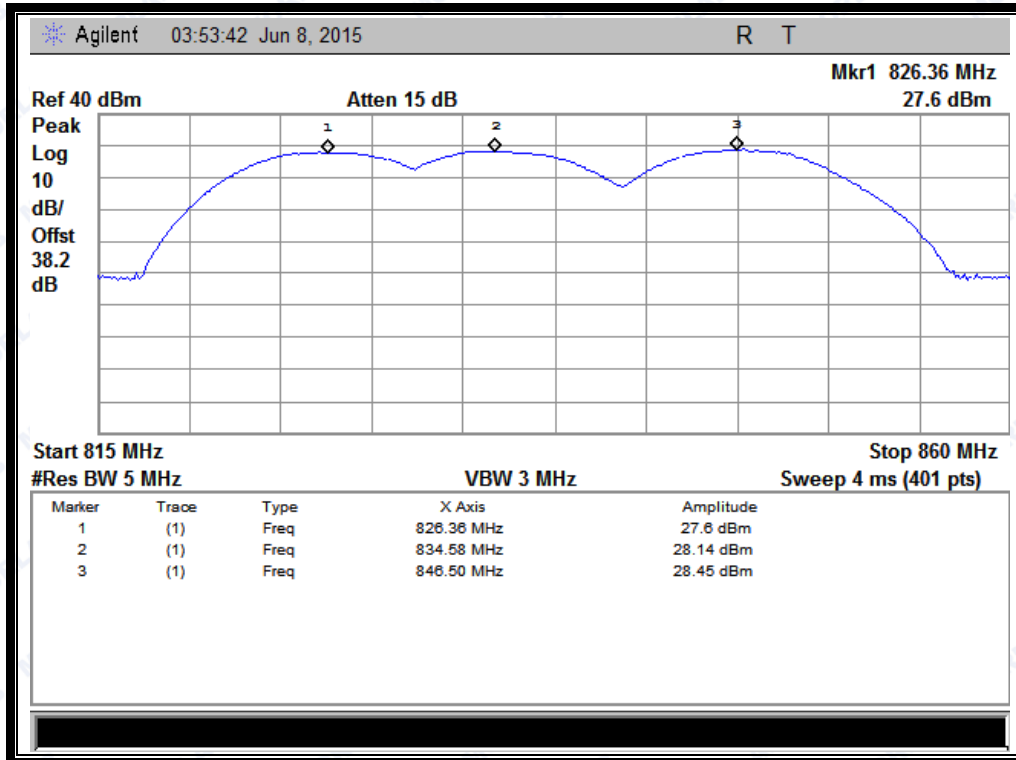
(Plot F: EGPRS 1900MHz Channel = 512, 661, 810)



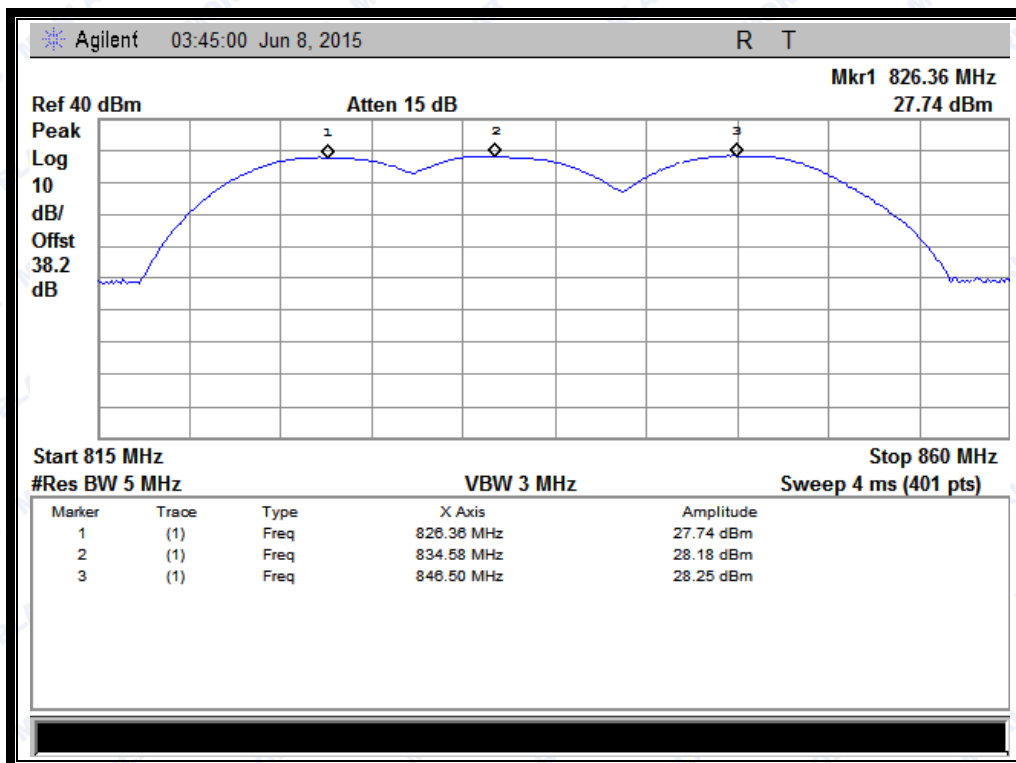
(Plot G: WCDMA 850 MHz Channel = 4132, 4175, 4233)



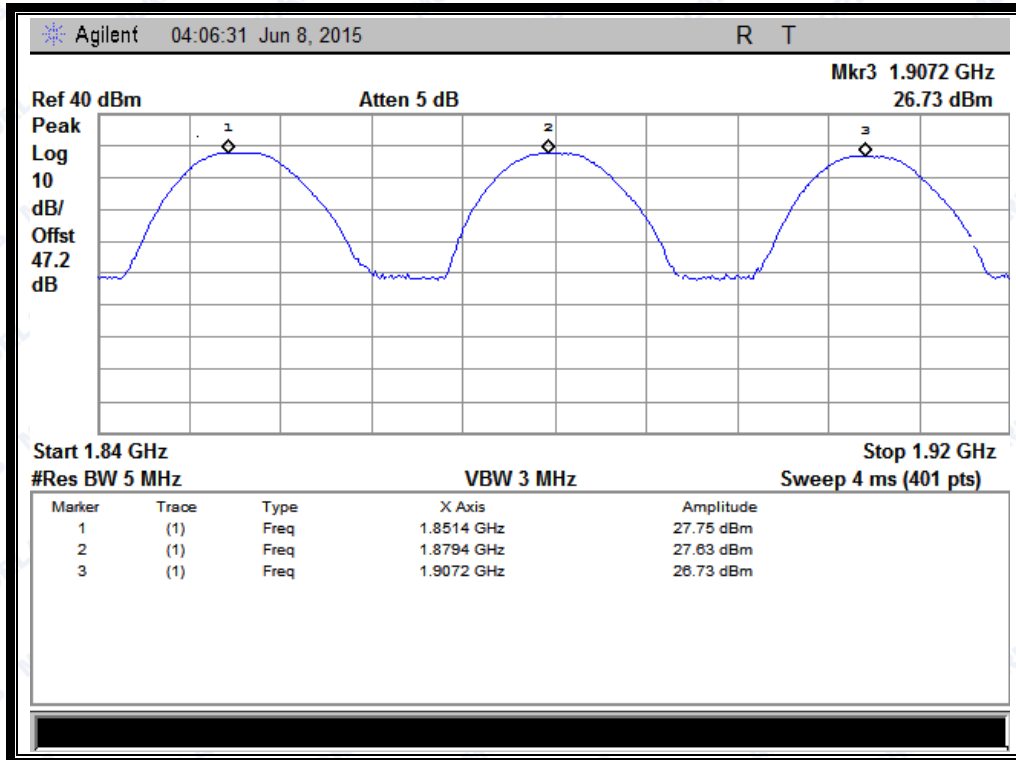
(Plot H: HSDPA 850 MHz Channel = 4132, 4175, 4233)



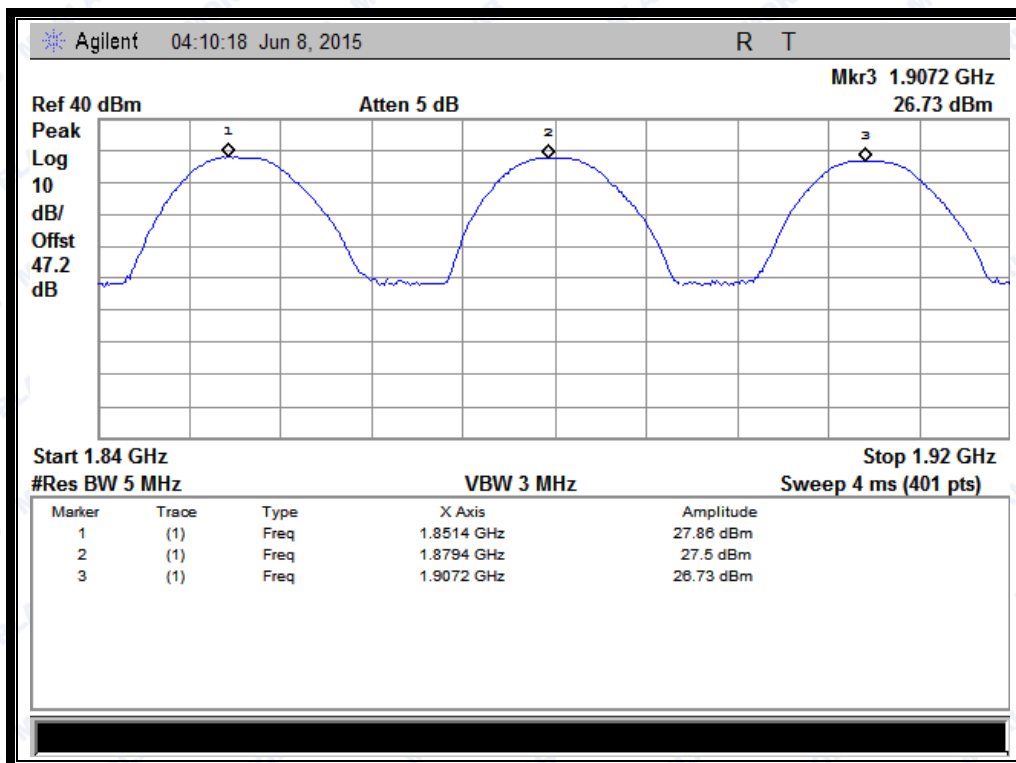
(Plot I: HSUPA 850 MHz Channel = 4132, 4175, 4233)



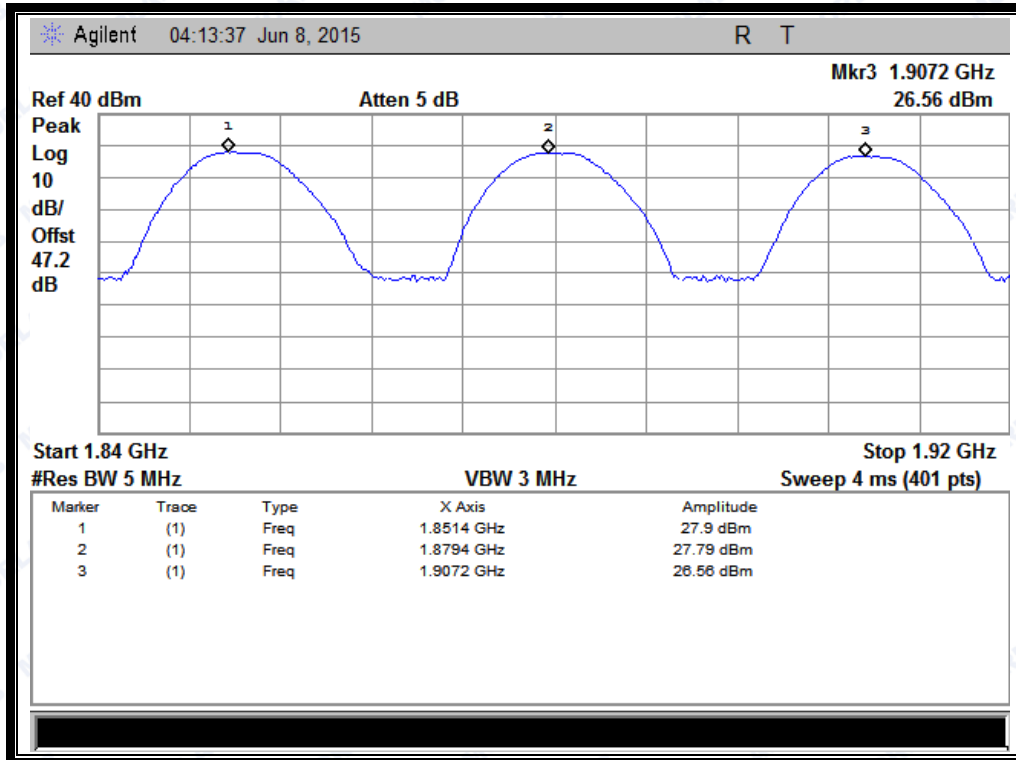
(Plot J: HSPA+ 850 MHz Channel = 4132, 4175, 4233)



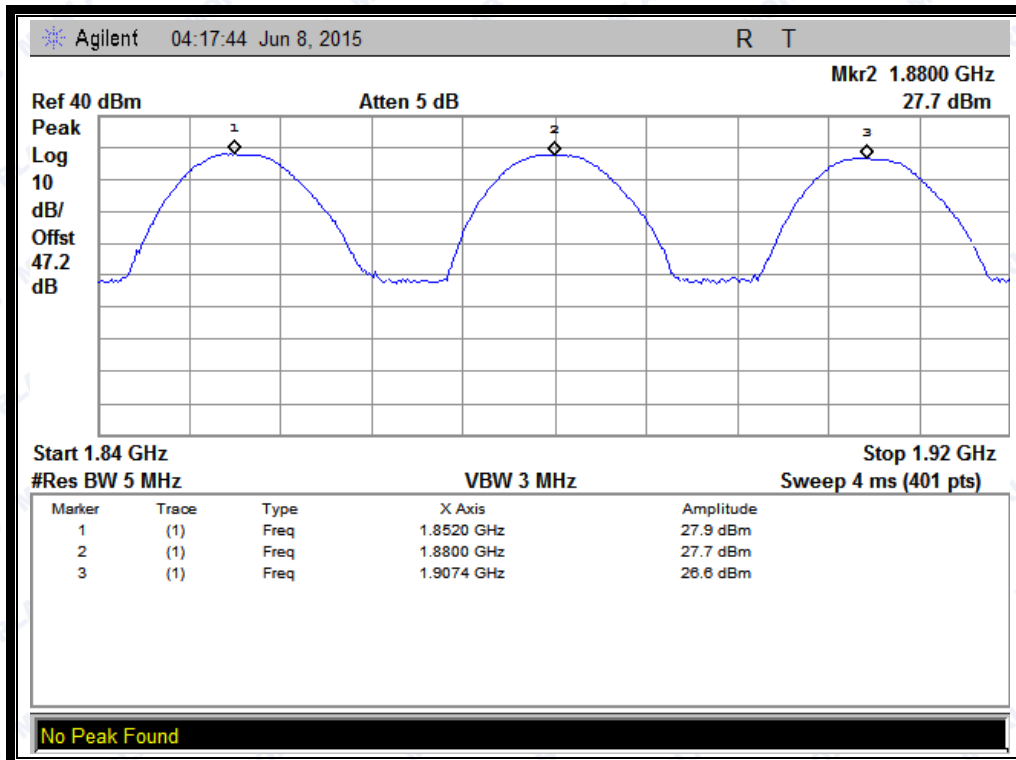
(Plot K: WCDMA 1900 MHz Channel = 9262, 9400, 9538)



(Plot L: HSDPA1900 MHz Channel = 9262, 9400, 9538)



(Plot M: HSUPA1900 MHz Channel = 9262, 9400, 9538)



(Plot N: HSPA+ 1900 MHz Channel = 9262, 9400, 9538)



2.8 Radiated Out of Band Emissions

2.8.1 Requirement

According to FCC section 22.917(a) and section 24.238(a) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

The spurious emission with frequency band 1900 according to FCC section 2.1057.

2.8.2 Test Description

See section 2.7.2 of this report.

Equipment List:

| Description | Manufacturer | Model | Serial No. | Cal.Date | Cal.Due |
|-----------------------|--------------|--------------------|--------------|------------|------------|
| System Simulator | Agilent | E5515C | GB43130131 | 2015.02.26 | 2016.02.25 |
| Spectrum Analyzer | Agilent | E7405A | US44210471 | 2015.02.26 | 2016.02.25 |
| Full-Anechoic Chamber | Albatross | 9m*6m*6m | (n.a.) | 2015.02.26 | 2016.02.25 |
| Test Antenna - Bi-Log | Schwarzbeck | VULB 9163 | 9163-274 | 2015.02.26 | 2016.02.25 |
| Test Antenna - Horn | Schwarzbeck | BBHA 9120C | 9120C-384 | 2015.02.26 | 2016.02.25 |
| Substitution Antenna | Schwarzbeck | BBHA 9120C | 9120C-384 | 2015.02.26 | 2016.02.25 |
| Pre-AMPs | lucix | S10M100L3802 | S020180L3203 | 2015.02.26 | 2016.02.25 |
| Notch Filter | COM-MW | ZBSF-C836.5-25-X | NA | 2015.02.26 | 2016.02.25 |
| Notch Filter | COM-MW | ZBSF-C1747.5-75-X2 | NA | 2015.02.26 | 2016.02.25 |
| Notch Filter | COM-MW | ZBSF-C1880-60-X2 | NA | 2015.02.26 | 2016.02.25 |

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

1. Test Verdict:



| Band | Channel | Frequency (MHz) | Measured Max. Spurious Emission (dBm) | | Refer to Plot | Limit (dBm) | Verdict |
|---------------|---------|-----------------|---------------------------------------|-----------------------|---------------|-------------|---------|
| | | | Test Antenna Horizontal | Test Antenna Vertical | | | |
| GSM 850MHz | 128 | 824.2 | < -25 | < -25 | Plot A1/A2 | -13 | PASS |
| | 190 | 836.6 | < -25 | < -25 | Plot A3/A4 | | PASS |
| | 251 | 848.8 | < -25 | < -25 | Plot A5/A6 | | PASS |
| GSM 1900MHz | 512 | 1850.2 | < -25 | < -25 | Plot B1/B2 | -13 | PASS |
| | 661 | 1880.0 | < -25 | < -25 | Plot B3/B4 | | PASS |
| | 810 | 1909.8 | < -25 | < -25 | Plot B5/B6 | | PASS |
| EGPRS 850MHz | 128 | 824.2 | < -25 | < -25 | Plot C1/C2 | -13 | PASS |
| | 190 | 836.6 | < -25 | < -25 | Plot C3/C4 | | PASS |
| | 251 | 848.8 | < -25 | < -25 | Plot C5/C6 | | PASS |
| EGPRS 1900MHz | 512 | 1850.2 | < -25 | < -25 | Plot D1/D2 | -13 | PASS |
| | 661 | 1880.0 | < -25 | < -25 | Plot D3/D4 | | PASS |
| | 810 | 1909.8 | < -25 | < -25 | Plot D5/D6 | | PASS |
| WCDMA 850MHz | 4132 | 826.4 | < -25 | < -25 | Plot E1/E2 | -13 | PASS |
| | 4175 | 835.0 | < -25 | < -25 | Plot E3/E4 | | PASS |
| | 4233 | 846.6 | < -25 | < -25 | Plot E5/E6 | | PASS |
| WCDMA 1900MHz | 9262 | 1852.4 | < -25 | < -25 | Plot F1/F2 | -13 | PASS |
| | 9400 | 1880.0 | < -25 | < -25 | Plot F3/F4 | | PASS |
| | 9538 | 1907.6 | < -25 | < -25 | Plot F5/F6 | | PASS |
| HSDPA 850MHz | 4132 | 826.4 | < -25 | < -25 | Plot G1/G2 | -13 | PASS |
| | 4175 | 835.0 | < -25 | < -25 | Plot G3/G4 | | PASS |
| | 4233 | 846.6 | < -25 | < -25 | Plot G5/G6 | | PASS |
| HSDPA 1900MHz | 9262 | 1852.4 | < -25 | < -25 | Plot H1/H2 | -13 | PASS |
| | 9400 | 1880.0 | < -25 | < -25 | Plot H3/H4 | | PASS |
| | 9538 | 1907.6 | < -25 | < -25 | Plot H5/H6 | | PASS |
| HSUPA 850MHz | 4132 | 826.4 | < -25 | < -25 | Plot I1/I2 | -13 | PASS |
| | 4175 | 835.0 | < -25 | < -25 | Plot I3/I4 | | PASS |
| | 4233 | 846.6 | < -25 | < -25 | Plot I5/I6 | | PASS |
| HSUPA 1900MHz | 9262 | 1852.4 | < -25 | < -25 | Plot J1/J2 | -13 | PASS |
| | 9400 | 1880.0 | < -25 | < -25 | Plot H3/J4 | | PASS |
| | 9538 | 1907.6 | < -25 | < -25 | Plot J5/J6 | | PASS |
| HSPA+ 850MHz | 4132 | 826.4 | < -25 | < -25 | Plot K1/K2 | -13 | PASS |
| | 4175 | 835.0 | < -25 | < -25 | Plot K3/K4 | | PASS |
| | 4233 | 846.6 | < -25 | < -25 | Plot K5/K6 | | PASS |

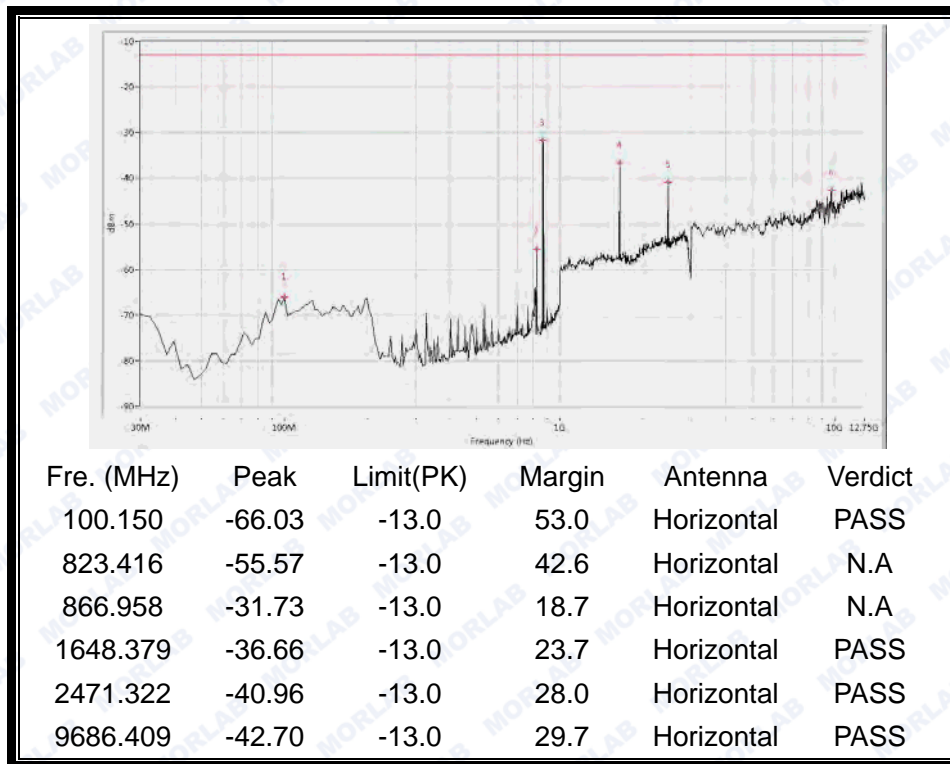


| Band | Channel | Frequency (MHz) | Measured Max. Spurious Emission (dBm) | | Refer to Plot | Limit (dBm) | Verdict |
|------------------|---------|-----------------|---------------------------------------|-----------------------|---------------|-------------|---------|
| | | | Test Antenna Horizontal | Test Antenna Vertical | | | |
| HSPA+ 1900MHz | 9262 | 1852.4 | < -25 | < -25 | Plot L1/L2 | -13 | PASS |
| | 9400 | 1880.0 | < -25 | < -25 | Plot L3/L4 | | PASS |
| | 9538 | 1907.6 | < -25 | < -25 | Plot L5/L6 | | PASS |

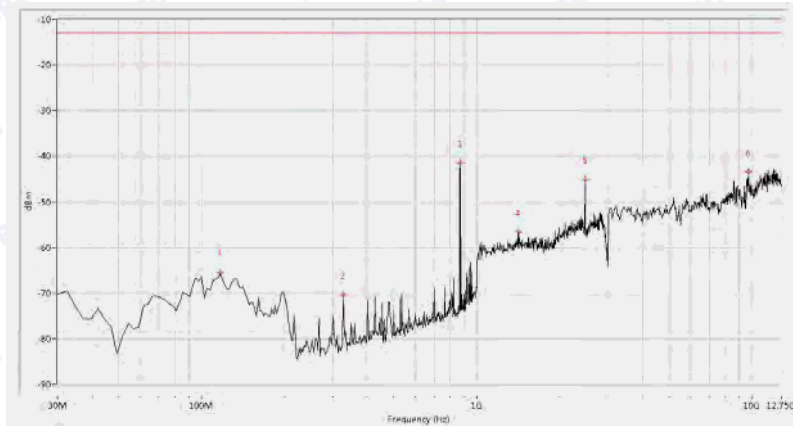
2. Test Plots for the Whole Measurement Frequency Range:

Note1: the power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

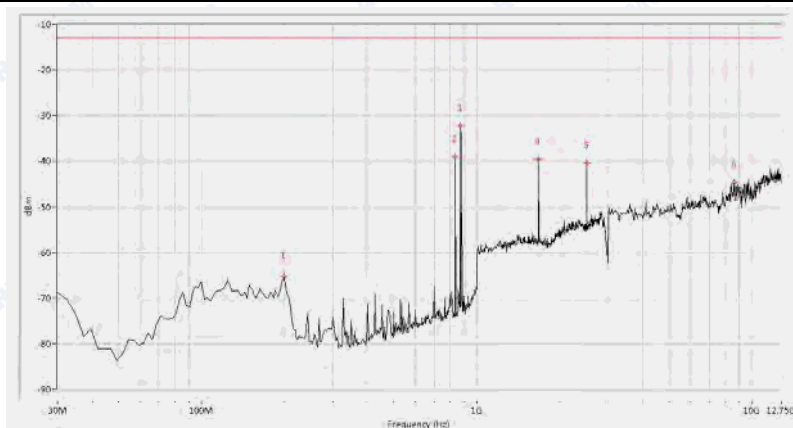


(Plot A1: GSM 850MHz Channel = 128, Test Antenna Horizontal)



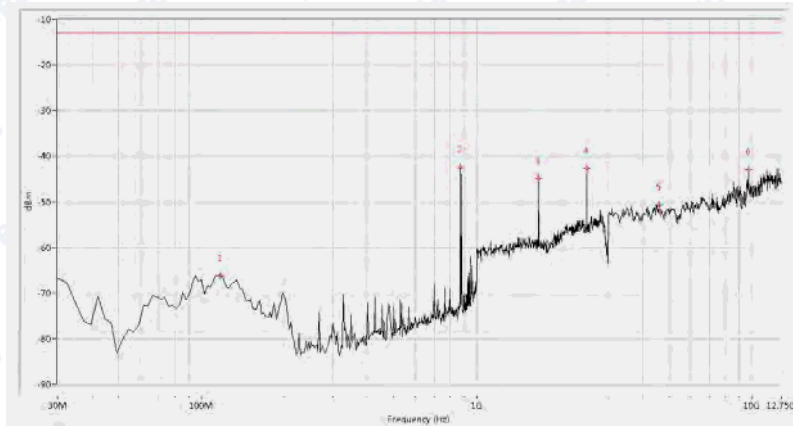
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 117.082 | -65.55 | -13.0 | 52.6 | Vertical | PASS |
| 327.531 | -70.29 | -13.0 | 57.3 | Vertical | PASS |
| 871.796 | -41.54 | -13.0 | 28.5 | Vertical | N.A |
| 1423.940 | -56.62 | -13.0 | 43.6 | Vertical | PASS |
| 2471.322 | -44.96 | -13.0 | 32.0 | Vertical | PASS |
| 9710.723 | -43.42 | -13.0 | 30.4 | Vertical | PASS |

(Plot A2: GSM 850MHz Channel = 128, Test Antenna Vertical)



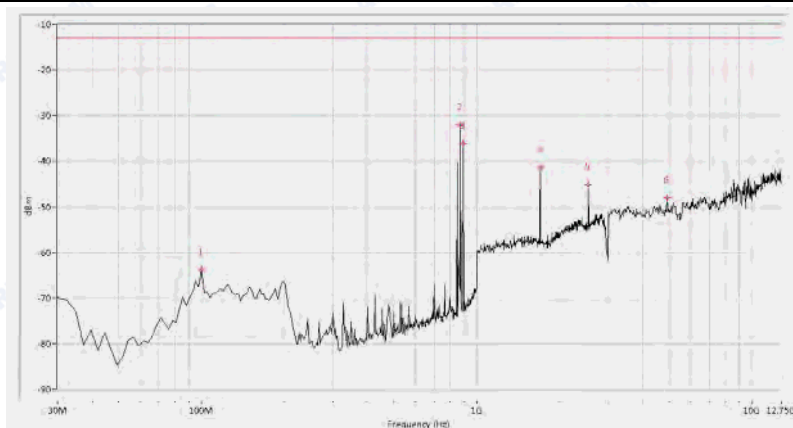
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -65.21 | -13.0 | 52.2 | Horizontal | PASS |
| 835.511 | -39.09 | -13.0 | 26.1 | Horizontal | N.A |
| 871.796 | -32.27 | -13.0 | 19.3 | Horizontal | N.A |
| 1673.317 | -39.67 | -13.0 | 26.7 | Horizontal | PASS |
| 2506.234 | -40.43 | -13.0 | 27.4 | Horizontal | PASS |
| 8592.269 | -44.75 | -13.0 | 31.7 | Horizontal | PASS |

(Plot A3: GSM850MHz Channel = 190, Test Antenna Horizontal)



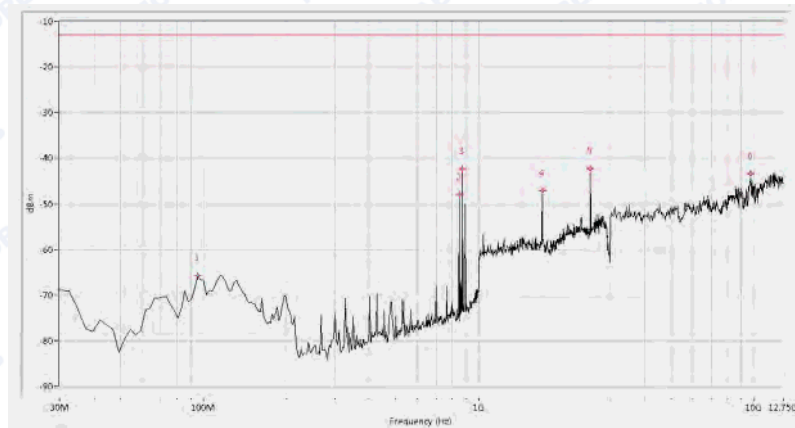
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 117.082 | -66.22 | -13.0 | 53.2 | Vertical | PASS |
| 871.796 | -42.54 | -13.0 | 29.5 | Vertical | N.A |
| 1673.317 | -44.89 | -13.0 | 31.9 | Vertical | PASS |
| 2506.234 | -42.68 | -13.0 | 29.7 | Vertical | PASS |
| 4580.424 | -50.68 | -13.0 | 37.7 | Vertical | PASS |
| 9710.723 | -43.00 | -13.0 | 30.0 | Vertical | PASS |

(Plot A4: GSM 850MHz Channel = 190, Test Antenna Vertical)



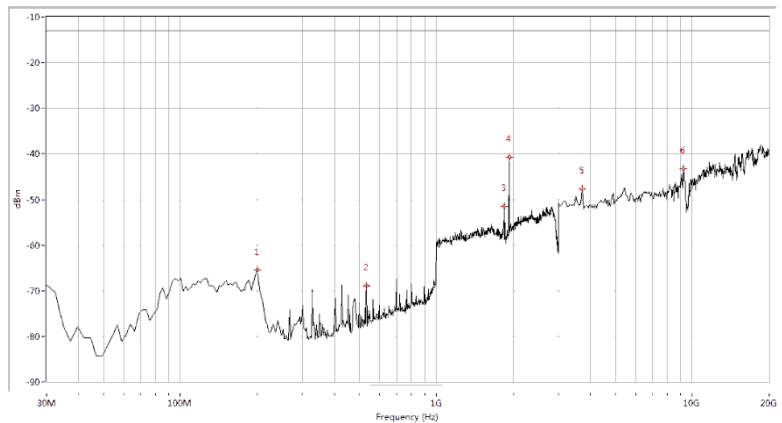
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -63.86 | -13.0 | 50.9 | Horizontal | PASS |
| 871.796 | -32.08 | -13.0 | 19.1 | Horizontal | N.A |
| 891.147 | -36.07 | -13.0 | 23.1 | Horizontal | N.A |
| 1698.254 | -41.36 | -13.0 | 28.4 | Horizontal | PASS |
| 2541.147 | -45.13 | -13.0 | 32.1 | Horizontal | PASS |
| 4896.509 | -47.99 | -13.0 | 35.0 | Horizontal | PASS |

(Plot A5: GSM 850MHz Channel = 251, Test Antenna Horizontal)



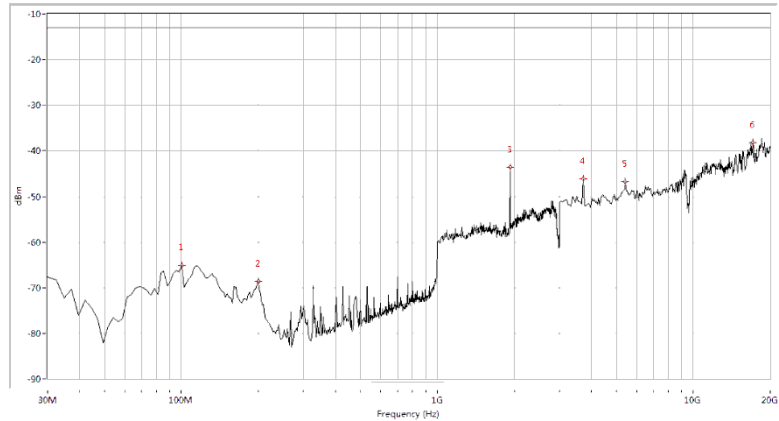
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 95.312 | -65.83 | -13.0 | 52.8 | Vertical | PASS |
| 847.606 | -48.08 | -13.0 | 35.1 | Vertical | N.A |
| 871.796 | -42.29 | -13.0 | 29.3 | Vertical | N.A |
| 1698.254 | -46.99 | -13.0 | 34.0 | Vertical | PASS |
| 2541.147 | -42.29 | -13.0 | 29.3 | Vertical | PASS |
| 9710.723 | -43.45 | -13.0 | 30.4 | Vertical | PASS |

(Plot A6: GSM 850MHz Channel = 251, Test Antenna Vertical)



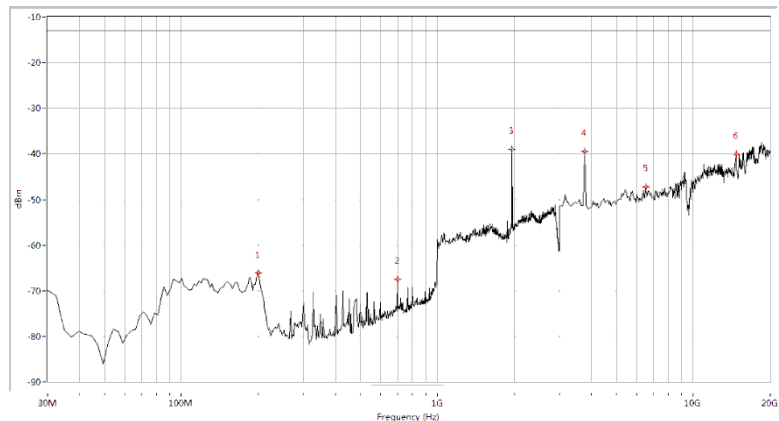
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -65.40 | -13.0 | 52.4 | Horizontal | PASS |
| 533.142 | -68.98 | -13.0 | 56.0 | Horizontal | PASS |
| 1847.880 | -51.51 | -13.0 | 38.5 | Horizontal | N.A |
| 1927.681 | -40.80 | -13.0 | 27.8 | Horizontal | N.A |
| 3720.698 | -47.71 | -13.0 | 34.7 | Horizontal | PASS |
| 9231.920 | -43.22 | -13.0 | 30.2 | Horizontal | PASS |

(Plot B1: GSM 1900MHz Channel = 512, Test Antenna Horizontal)



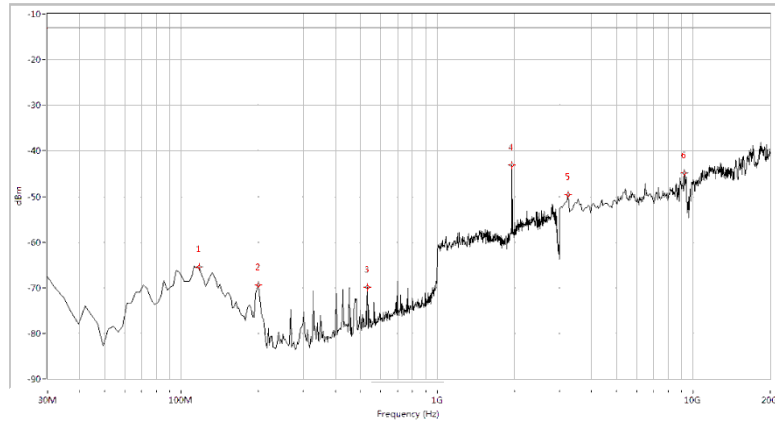
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 100.150 | -65.14 | -13.0 | 52.1 | Vertical | PASS |
| 199.327 | -68.67 | -13.0 | 55.7 | Vertical | PASS |
| 1927.681 | -43.58 | -13.0 | 30.6 | Vertical | N.A |
| 3720.698 | -46.07 | -13.0 | 33.1 | Vertical | PASS |
| 5416.459 | -46.75 | -13.0 | 33.8 | Vertical | PASS |
| 17159.601 | -38.26 | -13.0 | 25.3 | Vertical | PASS |

(Plot B2: GSM 1900MHz Channel = 512, Test Antenna Vertical)



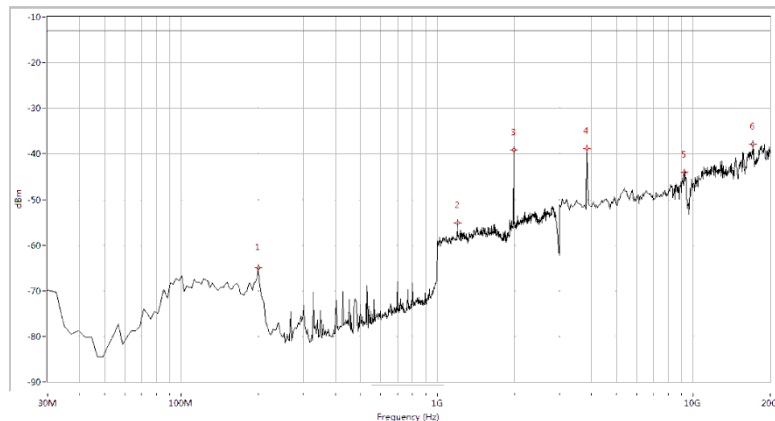
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -66.14 | -13.0 | 53.1 | Horizontal | PASS |
| 700.050 | -67.47 | -13.0 | 54.5 | Horizontal | PASS |
| 1957.606 | -38.93 | -13.0 | 25.9 | Horizontal | N.A |
| 3763.092 | -39.47 | -13.0 | 26.5 | Horizontal | PASS |
| 6561.097 | -47.27 | -13.0 | 34.3 | Horizontal | PASS |
| 14700.748 | -40.04 | -13.0 | 27.0 | Horizontal | PASS |

(Plot B3: GSM 1900MHz Channel = 661, Test Antenna Horizontal)



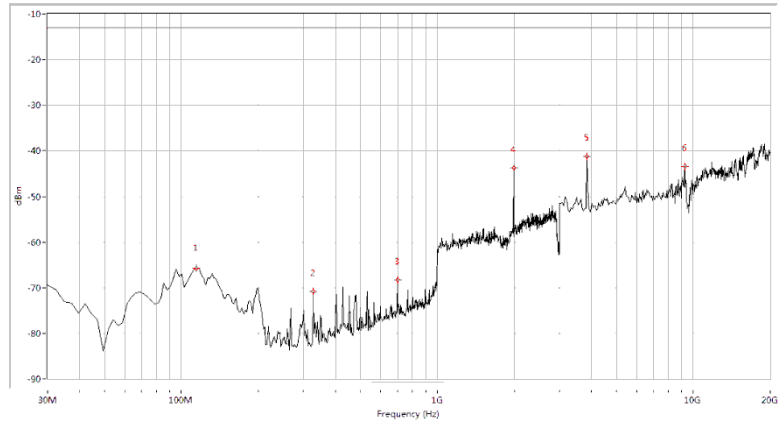
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 117.082 | -65.52 | -13.0 | 52.5 | Vertical | PASS |
| 199.327 | -69.47 | -13.0 | 56.5 | Vertical | PASS |
| 533.142 | -69.88 | -13.0 | 56.9 | Vertical | PASS |
| 1957.606 | -43.09 | -13.0 | 30.1 | Vertical | N.A |
| 3254.364 | -49.61 | -13.0 | 36.6 | Vertical | PASS |
| 9231.920 | -44.91 | -13.0 | 31.9 | Vertical | PASS |

(Plot B4: GSM 1900MHz Channel = 661, Test Antenna Vertical)



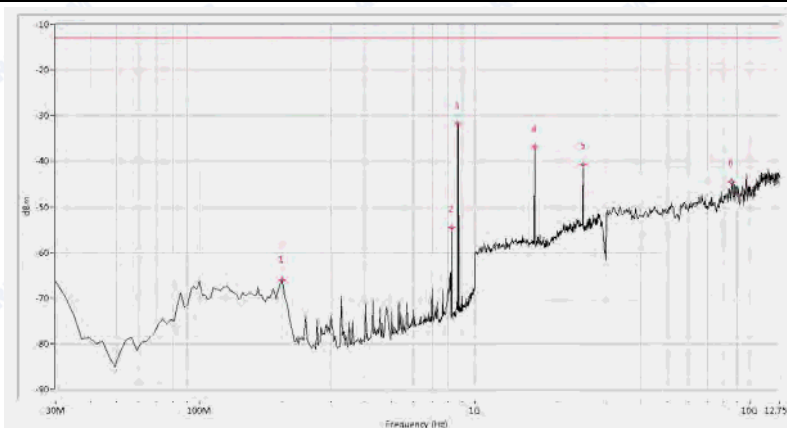
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -64.94 | -13.0 | 51.9 | Horizontal | PASS |
| 1199.501 | -55.17 | -13.0 | 42.2 | Horizontal | PASS |
| 1987.531 | -39.19 | -13.0 | 26.2 | Horizontal | N.A |
| 3847.880 | -38.86 | -13.0 | 25.9 | Horizontal | PASS |
| 9231.920 | -44.05 | -13.0 | 31.0 | Horizontal | PASS |
| 17117.207 | -37.91 | -13.0 | 24.9 | Horizontal | PASS |

(Plot B5: GSM 1900MHz Channel = 810, Test Antenna Horizontal)



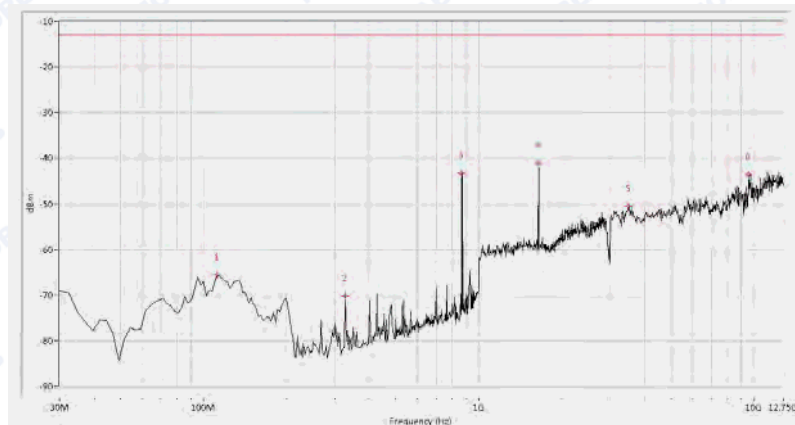
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 114.663 | -65.80 | -13.0 | 52.8 | Vertical | PASS |
| 327.531 | -70.79 | -13.0 | 57.8 | Vertical | PASS |
| 700.050 | -68.24 | -13.0 | 55.2 | Vertical | PASS |
| 1987.531 | -43.76 | -13.0 | 30.8 | Vertical | N.A |
| 3847.880 | -41.22 | -13.0 | 28.2 | Vertical | PASS |
| 9274.314 | -43.37 | -13.0 | 30.4 | Vertical | PASS |

(Plot B6: GSM 1900MHz Channel = 810, Test Antenna Vertical)



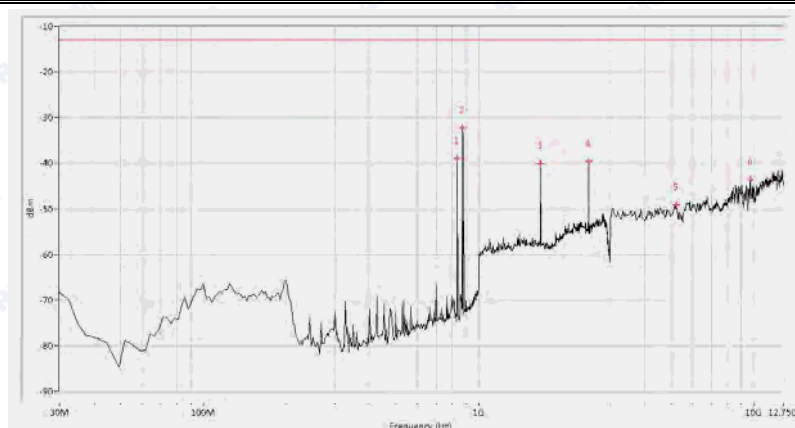
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -66.09 | -13.0 | 53.1 | Horizontal | PASS |
| 823.416 | -54.53 | -13.0 | 41.5 | Horizontal | N.A |
| 866.958 | -31.82 | -13.0 | 18.8 | Horizontal | N.A |
| 1648.379 | -36.88 | -13.0 | 23.9 | Horizontal | PASS |
| 2471.322 | -40.66 | -13.0 | 27.7 | Horizontal | PASS |
| 8567.955 | -44.58 | -13.0 | 31.6 | Horizontal | PASS |

(Plot C1: EGPRS 850MHz Channel = 128, Test Antenna Horizontal)



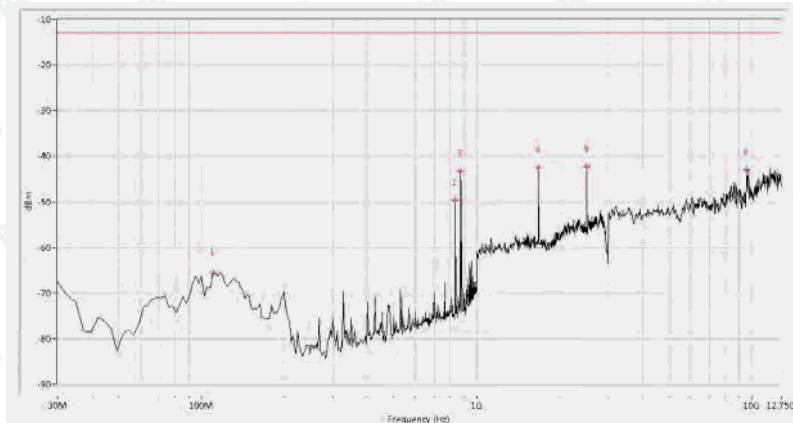
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 112.244 | -65.61 | -13.0 | 52.6 | Vertical | PASS |
| 327.531 | -70.24 | -13.0 | 57.2 | Vertical | PASS |
| 866.958 | -43.24 | -13.0 | 30.2 | Vertical | N.A |
| 1648.379 | -41.10 | -13.0 | 28.1 | Vertical | PASS |
| 3486.284 | -50.59 | -13.0 | 37.6 | Vertical | PASS |
| 9564.838 | -43.60 | -13.0 | 30.6 | Vertical | PASS |

(Plot C2: EGPRS 850MHz Channel = 128, Test Antenna Vertical)



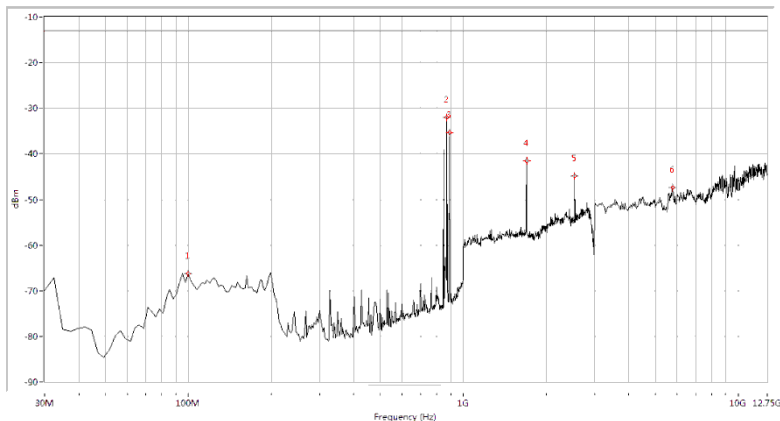
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 835.511 | -39.07 | -13.0 | 26.1 | Horizontal | N.A |
| 871.796 | -32.26 | -13.0 | 19.3 | Horizontal | N.A |
| 1673.317 | -40.07 | -13.0 | 27.1 | Horizontal | PASS |
| 2506.234 | -39.62 | -13.0 | 26.6 | Horizontal | PASS |
| 5212.594 | -49.08 | -13.0 | 36.1 | Horizontal | PASS |
| 9686.409 | -43.52 | -13.0 | 30.5 | Horizontal | PASS |

(Plot C3: EGPRS 850MHz Channel = 190, Test Antenna Horizontal)



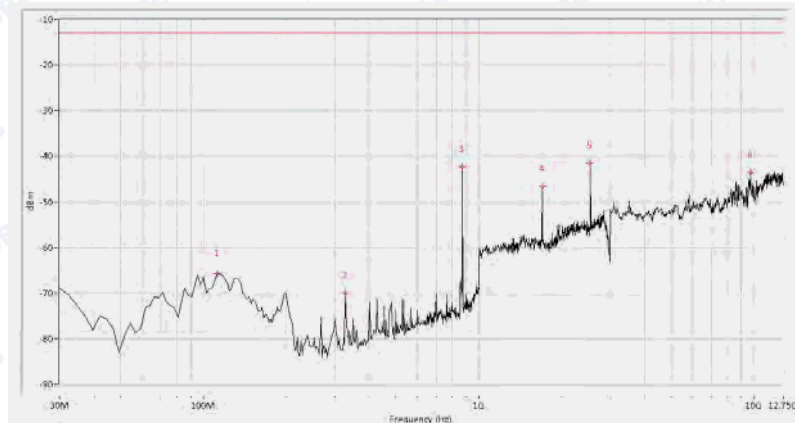
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 109.825 | -65.66 | -13.0 | 52.7 | Vertical | PASS |
| 835.511 | -49.57 | -13.0 | 36.6 | Vertical | N.A |
| 871.796 | -43.27 | -13.0 | 30.3 | Vertical | N.A |
| 1673.317 | -42.55 | -13.0 | 29.6 | Vertical | PASS |
| 2506.234 | -42.36 | -13.0 | 29.4 | Vertical | PASS |
| 9564.838 | -42.93 | -13.0 | 29.9 | Vertical | PASS |

(Plot C4: EGPRS 850MHz Channel = 190, Test Antenna Vertical)



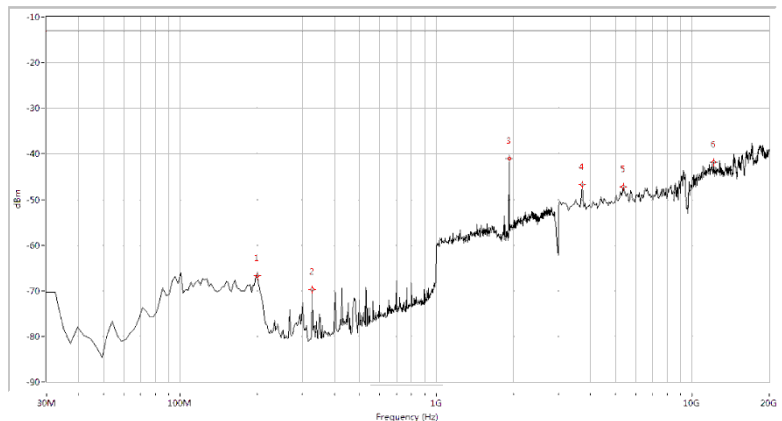
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -66.29 | -13.0 | 53.3 | Horizontal | PASS |
| 871.796 | -32.00 | -13.0 | 19.0 | Horizontal | N.A |
| 891.147 | -35.42 | -13.0 | 22.4 | Horizontal | N.A |
| 1698.254 | -41.51 | -13.0 | 28.5 | Horizontal | PASS |
| 2541.147 | -44.83 | -13.0 | 31.8 | Horizontal | PASS |
| 5771.820 | -47.37 | -13.0 | 34.4 | Horizontal | PASS |

(Plot C5: EGPRS 850MHz Channel = 251, Test Antenna Horizontal)



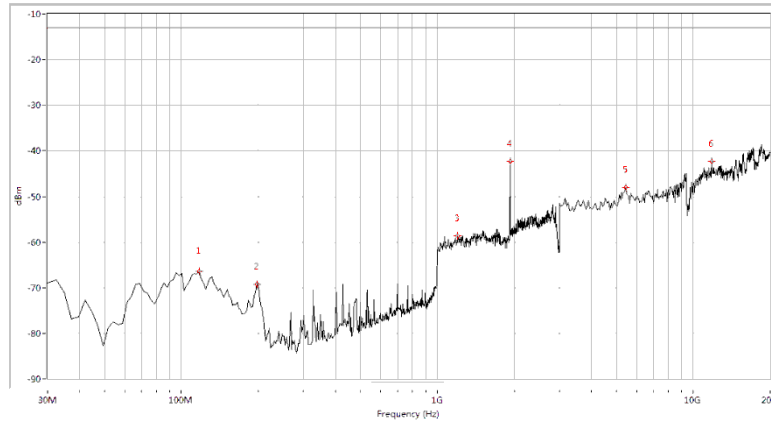
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 112.244 | -65.69 | -13.0 | 52.7 | Vertical | PASS |
| 327.531 | -69.97 | -13.0 | 57.0 | Vertical | PASS |
| 871.796 | -42.28 | -13.0 | 29.3 | Vertical | N.A |
| 1698.254 | -46.54 | -13.0 | 33.5 | Vertical | PASS |
| 2541.147 | -41.48 | -13.0 | 28.5 | Vertical | PASS |
| 9710.723 | -43.55 | -13.0 | 30.6 | Vertical | PASS |

(Plot C6: EGPRS 850MHz Channel = 251, Test Antenna Vertical)



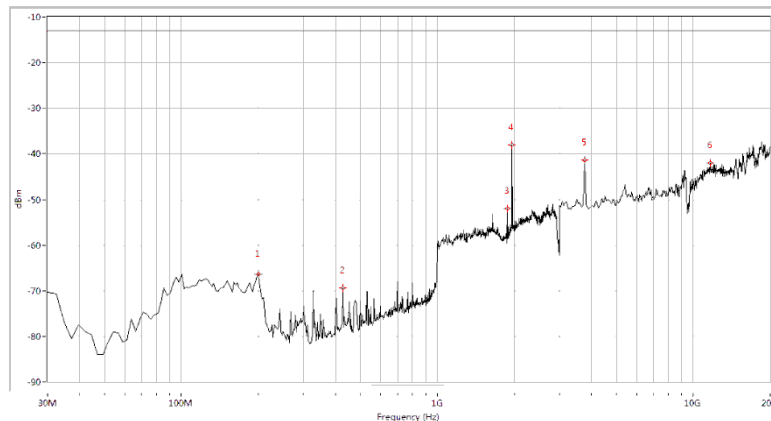
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -66.78 | -13.0 | 53.8 | Horizontal | PASS |
| 327.531 | -69.73 | -13.0 | 56.7 | Horizontal | PASS |
| 1927.681 | -41.10 | -13.0 | 28.1 | Horizontal | N.A |
| 3720.698 | -46.74 | -13.0 | 33.7 | Horizontal | PASS |
| 5374.065 | -47.28 | -13.0 | 34.3 | Horizontal | PASS |
| 12157.107 | -41.77 | -13.0 | 28.8 | Horizontal | PASS |

(Plot D1: EGPRS 1900MHz Channel = 512, Test Antenna Horizontal)



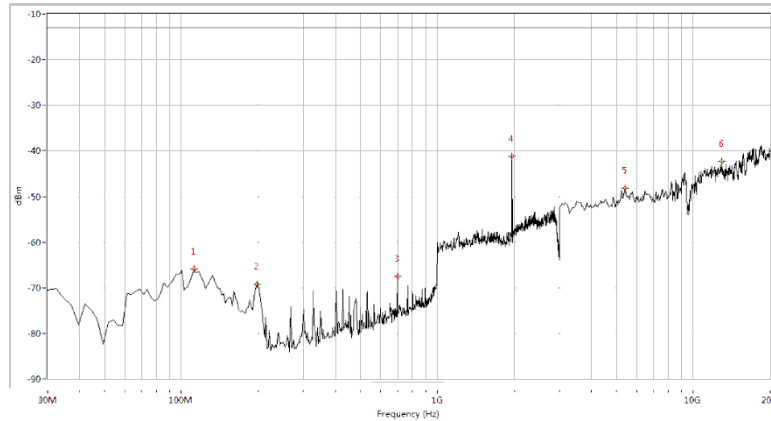
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 117.082 | -66.33 | -13.0 | 53.3 | Vertical | PASS |
| 196.908 | -69.32 | -13.0 | 56.3 | Vertical | PASS |
| 1204.489 | -58.70 | -13.0 | 45.7 | Vertical | PASS |
| 1927.681 | -42.35 | -13.0 | 29.4 | Vertical | N.A |
| 5458.853 | -48.04 | -13.0 | 35.0 | Vertical | PASS |
| 11817.955 | -42.39 | -13.0 | 29.4 | Vertical | PASS |

(Plot D2: EGPRS 1900MHz Channel = 512, Test Antenna Vertical)



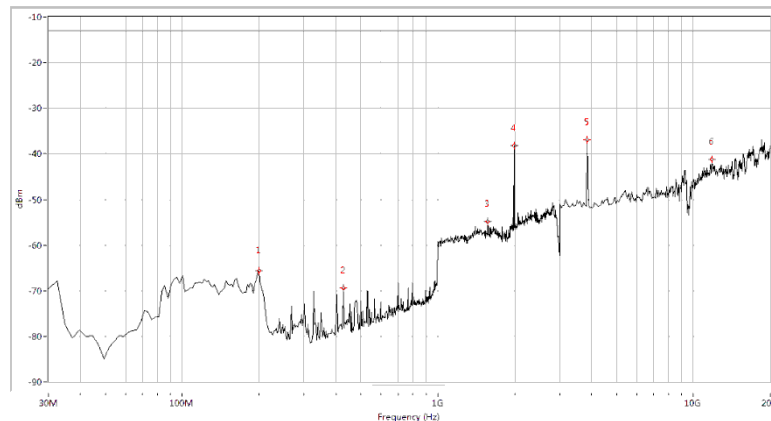
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -66.45 | -13.0 | 53.5 | Horizontal | PASS |
| 426.708 | -69.38 | -13.0 | 56.4 | Horizontal | PASS |
| 1877.805 | -52.04 | -13.0 | 39.0 | Horizontal | N.A |
| 1957.606 | -38.06 | -13.0 | 25.1 | Horizontal | N.A |
| 3763.092 | -41.32 | -13.0 | 28.3 | Horizontal | PASS |
| 11648.379 | -42.03 | -13.0 | 29.0 | Horizontal | PASS |

(Plot D3: EGPRS 1900MHz Channel = 661, Test Antenna Horizontal)



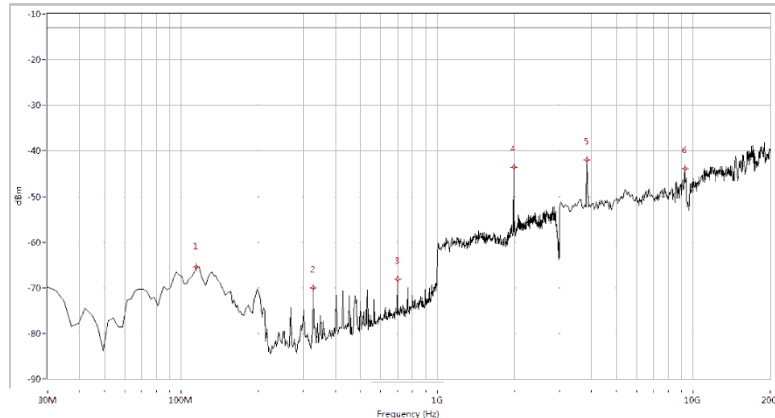
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 112.244 | -65.97 | -13.0 | 53.0 | Vertical | PASS |
| 196.908 | -69.32 | -13.0 | 56.3 | Vertical | PASS |
| 700.050 | -67.56 | -13.0 | 54.6 | Vertical | PASS |
| 1957.606 | -41.16 | -13.0 | 28.2 | Vertical | N.A |
| 5416.459 | -48.20 | -13.0 | 35.2 | Vertical | PASS |
| 12962.594 | -42.36 | -13.0 | 29.4 | Vertical | PASS |

(Plot D4: EGPRS 1900MHz Channel = 661, Test Antenna Vertical)



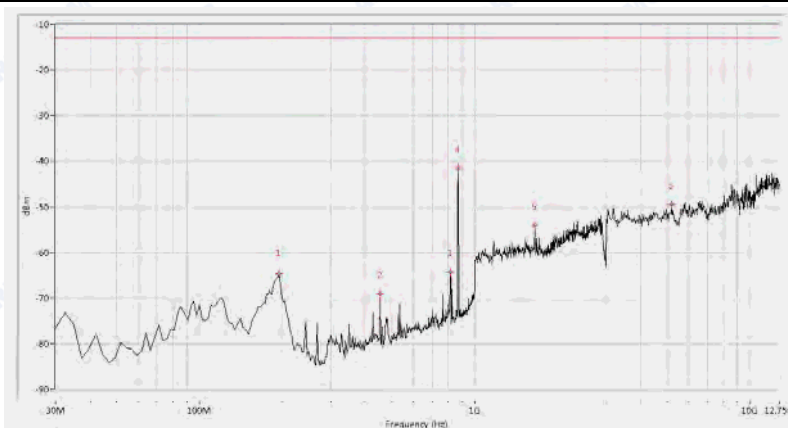
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 199.327 | -65.64 | -13.0 | 52.6 | Horizontal | PASS |
| 426.708 | -69.37 | -13.0 | 56.4 | Horizontal | PASS |
| 1568.579 | -54.90 | -13.0 | 41.9 | Horizontal | PASS |
| 1987.531 | -38.27 | -13.0 | 25.3 | Horizontal | N.A |
| 3847.880 | -36.91 | -13.0 | 23.9 | Horizontal | PASS |
| 11817.955 | -41.27 | -13.0 | 28.3 | Horizontal | PASS |

(Plot D5: EGPRS 1900MHz Channel = 810, Test Antenna Horizontal)



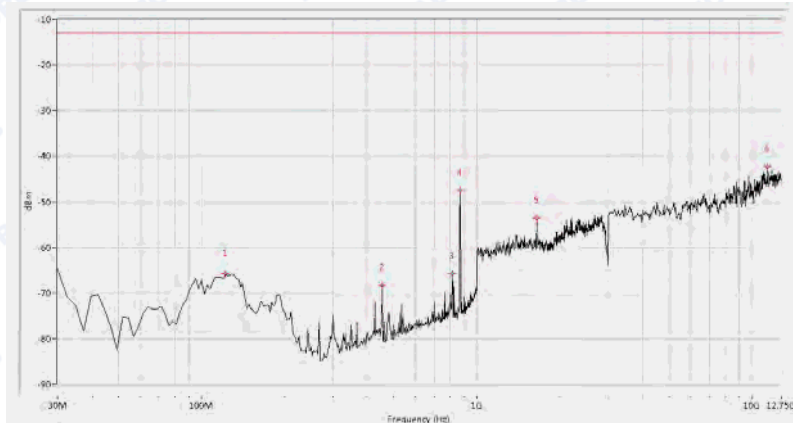
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 114.663 | -65.37 | -13.0 | 52.4 | Vertical | PASS |
| 327.531 | -70.08 | -13.0 | 57.1 | Vertical | PASS |
| 700.050 | -68.12 | -13.0 | 55.1 | Vertical | PASS |
| 1987.531 | -43.61 | -13.0 | 30.6 | Vertical | N.A |
| 3847.880 | -42.08 | -13.0 | 29.1 | Vertical | PASS |
| 9274.314 | -43.86 | -13.0 | 30.9 | Vertical | PASS |

(Plot D6: EGPRS 1900MHz Channel = 810, Test Antenna Vertical)



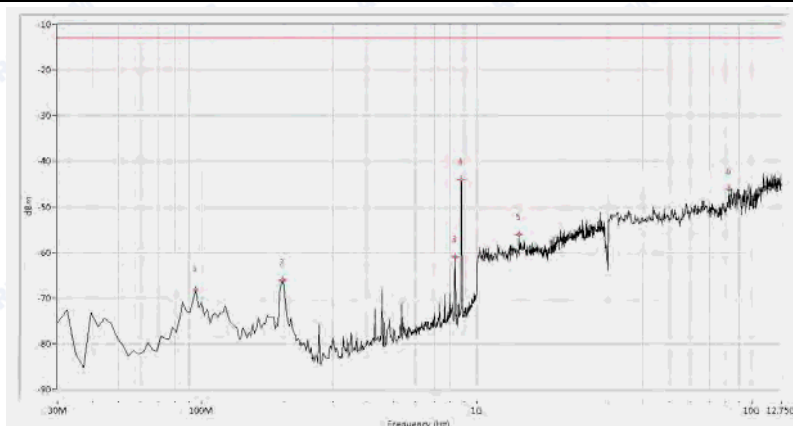
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 194.489 | -64.68 | -13.0 | 51.7 | Horizontal | PASS |
| 453.317 | -69.05 | -13.0 | 56.1 | Horizontal | PASS |
| 816.160 | -64.29 | -13.0 | 51.3 | Horizontal | N.A |
| 869.377 | -41.47 | -13.0 | 28.5 | Horizontal | N.A |
| 1653.367 | -54.09 | -13.0 | 41.1 | Horizontal | PASS |
| 5188.279 | -49.43 | -13.0 | 36.4 | Horizontal | PASS |

(Plot E1: WCDMA 850MHz Channel = 4132, Test Antenna Horizontal)



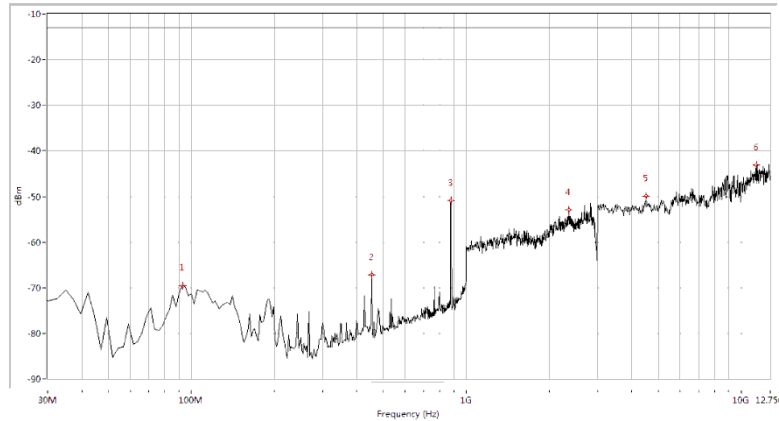
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.72 | -13.0 | 52.7 | Vertical | PASS |
| 453.317 | -68.27 | -13.0 | 55.3 | Vertical | PASS |
| 816.160 | -65.71 | -13.0 | 52.7 | Vertical | N.A |
| 869.377 | -47.62 | -13.0 | 34.6 | Vertical | N.A |
| 1648.379 | -53.60 | -13.0 | 40.6 | Vertical | PASS |
| 11364.090 | -42.38 | -13.0 | 29.4 | Vertical | PASS |

(Plot E2: WCDMA 850MHz Channel = 4132, Test Antenna Vertical)



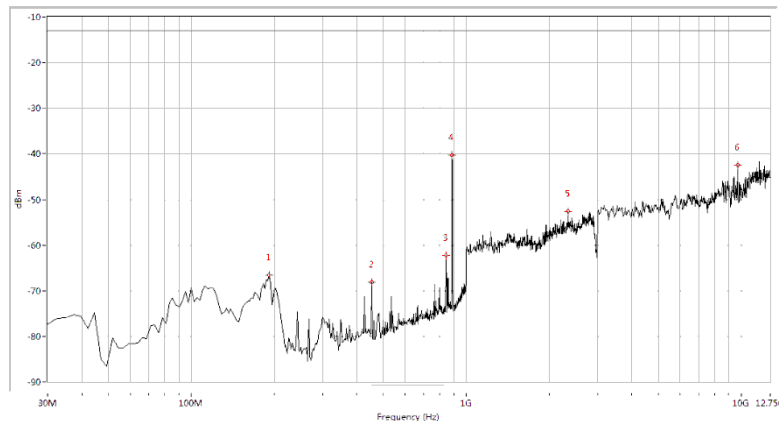
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 95.312 | -68.07 | -13.0 | 55.1 | Horizontal | PASS |
| 196.908 | -66.03 | -13.0 | 53.0 | Horizontal | PASS |
| 833.092 | -60.96 | -13.0 | 48.0 | Horizontal | N.A |
| 876.633 | -44.06 | -13.0 | 31.1 | Horizontal | N.A |
| 1423.940 | -56.02 | -13.0 | 43.0 | Horizontal | PASS |
| 8227.556 | -46.20 | -13.0 | 33.2 | Horizontal | PASS |

(Plot E3: WCDMA 850MHz Channel = 4175, Test Antenna Horizontal)



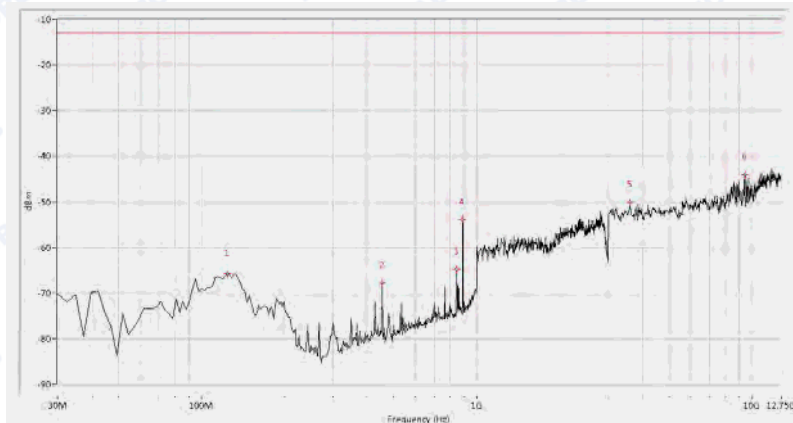
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 92.893 | -69.62 | -13.0 | 56.6 | Vertical | PASS |
| 453.317 | -67.25 | -13.0 | 54.3 | Vertical | PASS |
| 879.052 | -50.86 | -13.0 | 37.9 | Vertical | N.A |
| 2361.596 | -52.97 | -13.0 | 40.0 | Vertical | PASS |
| 4507.481 | -49.93 | -13.0 | 36.9 | Vertical | PASS |
| 11339.776 | -43.06 | -13.0 | 30.1 | Vertical | PASS |

(Plot E4: WCDMA 850MHz Channel = 4175, Test Antenna Vertical)



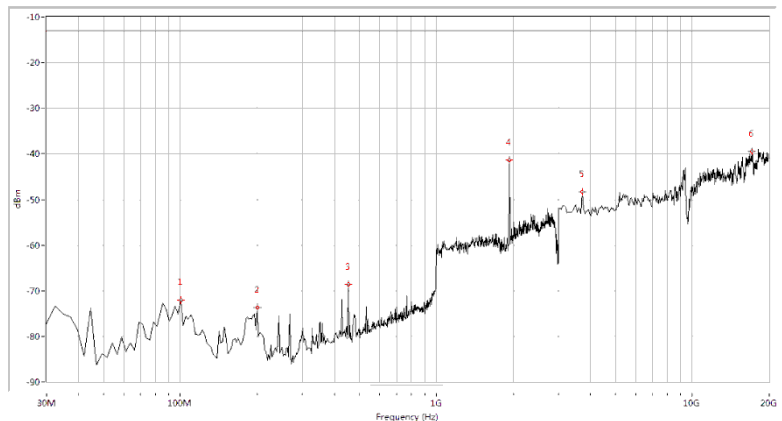
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -66.54 | -13.0 | 53.5 | Horizontal | PASS |
| 453.317 | -68.15 | -13.0 | 55.1 | Horizontal | PASS |
| 845.187 | -62.36 | -13.0 | 49.4 | Horizontal | N.A |
| 888.728 | -40.28 | -13.0 | 27.3 | Horizontal | N.A |
| 2346.633 | -52.60 | -13.0 | 39.6 | Horizontal | PASS |
| 9710.723 | -42.53 | -13.0 | 29.5 | Horizontal | PASS |

(Plot E5: WCDMA 850MHz Channel = 4233, Test Antenna Horizontal)



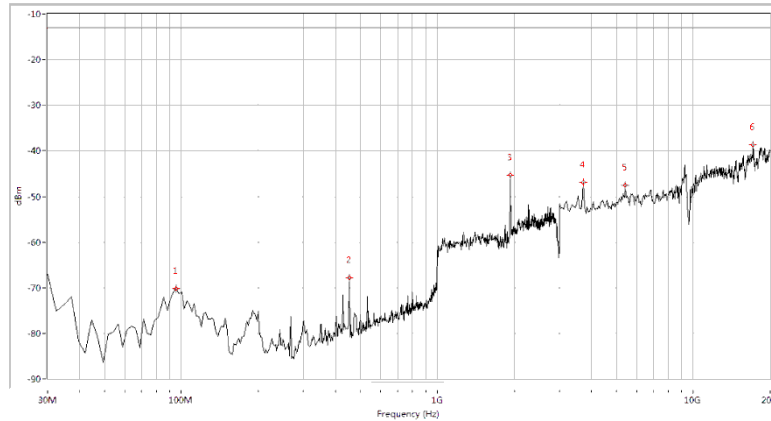
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 124.339 | -65.77 | -13.0 | 52.8 | Vertical | PASS |
| 453.317 | -67.83 | -13.0 | 54.8 | Vertical | PASS |
| 845.187 | -64.77 | -13.0 | 51.8 | Vertical | N.A |
| 888.728 | -53.89 | -13.0 | 40.9 | Vertical | N.A |
| 3607.855 | -50.10 | -13.0 | 37.1 | Vertical | PASS |
| 9418.953 | -44.08 | -13.0 | 31.1 | Vertical | PASS |

(Plot E6: WCDMA 850MHz Channel = 4233, Test Antenna Vertical)



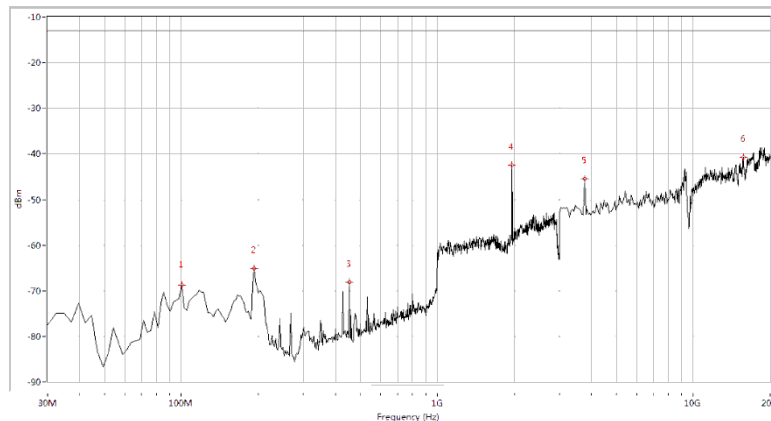
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -72.10 | -13.0 | 59.1 | Horizontal | PASS |
| 199.327 | -73.68 | -13.0 | 60.7 | Horizontal | PASS |
| 453.317 | -68.66 | -13.0 | 55.7 | Horizontal | PASS |
| 1932.668 | -41.29 | -13.0 | 28.3 | Horizontal | N.A |
| 3720.698 | -48.32 | -13.0 | 35.3 | Horizontal | PASS |
| 17117.207 | -39.42 | -13.0 | 26.4 | Horizontal | PASS |

(Plot F1: WCDMA 1900MHz Channel = 9262, Test Antenna Horizontal)



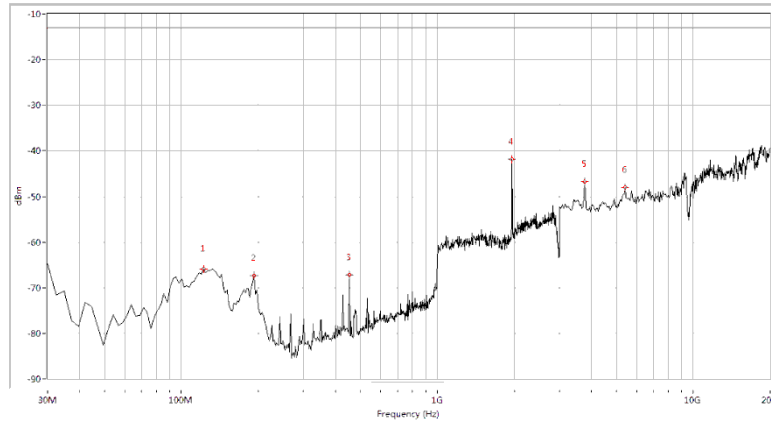
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 95.312 | -70.25 | -13.0 | 57.2 | Vertical | PASS |
| 453.317 | -67.80 | -13.0 | 54.8 | Vertical | PASS |
| 1932.668 | -45.35 | -13.0 | 32.4 | Vertical | N.A |
| 3720.698 | -46.96 | -13.0 | 34.0 | Vertical | PASS |
| 5416.459 | -47.61 | -13.0 | 34.6 | Vertical | PASS |
| 17159.601 | -38.75 | -13.0 | 25.8 | Vertical | PASS |

(Plot F2: WCDMA 1900MHz Channel = 9262, Test Antenna Vertical)



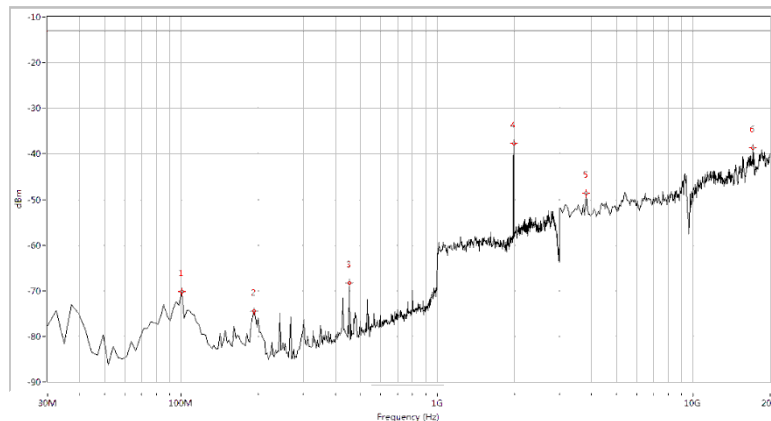
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -68.70 | -13.0 | 55.7 | Horizontal | PASS |
| 192.070 | -65.09 | -13.0 | 52.1 | Horizontal | PASS |
| 453.317 | -68.10 | -13.0 | 55.1 | Horizontal | PASS |
| 1957.606 | -42.45 | -13.0 | 29.4 | Horizontal | N.A |
| 3763.092 | -45.42 | -13.0 | 32.4 | Horizontal | PASS |
| 15718.204 | -40.78 | -13.0 | 27.8 | Horizontal | PASS |

(Plot F3: WCDMA 1900MHz Channel = 9400, Test Antenna Horizontal)



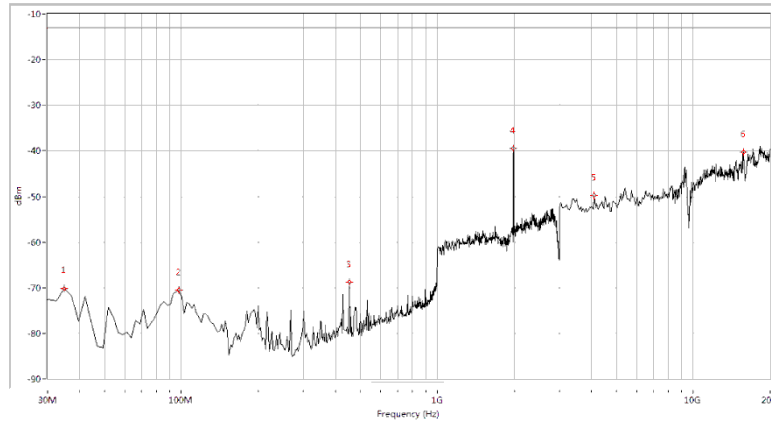
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.92 | -13.0 | 52.9 | Vertical | PASS |
| 192.070 | -67.39 | -13.0 | 54.4 | Vertical | PASS |
| 453.317 | -67.21 | -13.0 | 54.2 | Vertical | PASS |
| 1957.606 | -41.88 | -13.0 | 28.9 | Vertical | N.A |
| 3763.092 | -46.79 | -13.0 | 33.8 | Vertical | PASS |
| 5416.459 | -47.95 | -13.0 | 35.0 | Vertical | PASS |

(Plot F4: WCDMA 1900MHz Channel = 9400, Test Antenna Vertical)



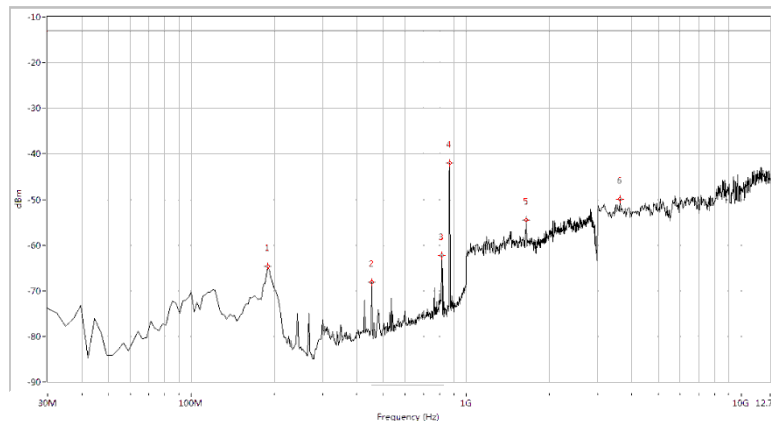
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -70.19 | -13.0 | 57.2 | Horizontal | PASS |
| 192.070 | -74.45 | -13.0 | 61.5 | Horizontal | PASS |
| 453.317 | -68.34 | -13.0 | 55.3 | Horizontal | PASS |
| 1987.531 | -37.78 | -13.0 | 24.8 | Horizontal | N.A |
| 3805.486 | -48.69 | -13.0 | 35.7 | Horizontal | PASS |
| 17159.601 | -38.72 | -13.0 | 25.7 | Horizontal | PASS |

(Plot F5: WCDMA 1900MHz Channel = 9538, Test Antenna Horizontal)



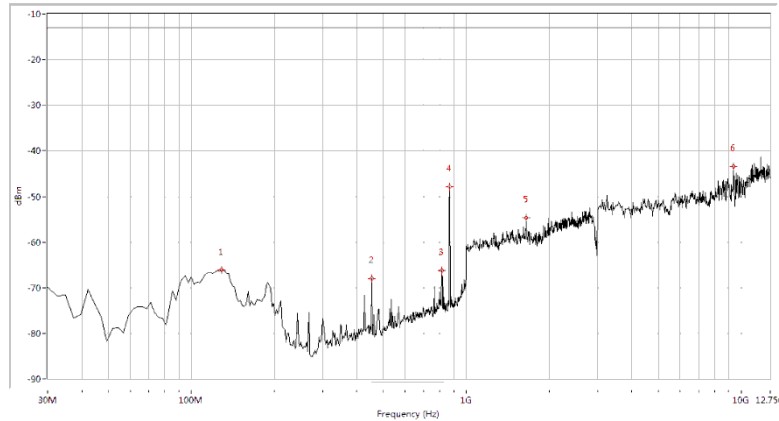
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 34.838 | -70.22 | -13.0 | 57.2 | Vertical | PASS |
| 97.731 | -70.45 | -13.0 | 57.4 | Vertical | PASS |
| 453.317 | -68.83 | -13.0 | 55.8 | Vertical | PASS |
| 1982.544 | -39.40 | -13.0 | 26.4 | Vertical | N.A |
| 4102.244 | -49.83 | -13.0 | 36.8 | Vertical | PASS |
| 15718.204 | -40.28 | -13.0 | 27.3 | Vertical | PASS |

(Plot F6: WCDMA 1900MHz Channel = 9538, Test Antenna Vertical)



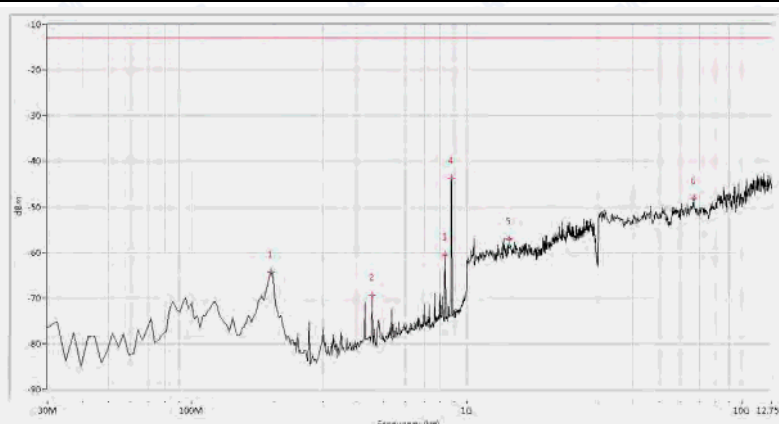
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 189.651 | -64.61 | -13.0 | 51.6 | Horizontal | PASS |
| 453.317 | -68.11 | -13.0 | 55.1 | Horizontal | PASS |
| 816.160 | -62.34 | -13.0 | 49.3 | Horizontal | N.A |
| 869.377 | -42.07 | -13.0 | 29.1 | Horizontal | N.A |
| 1648.379 | -54.49 | -13.0 | 41.5 | Horizontal | PASS |
| 3632.170 | -49.86 | -13.0 | 36.9 | Horizontal | PASS |

(Plot G1: HSDPA 850MHz Channel = 4132, Test Antenna Horizontal)



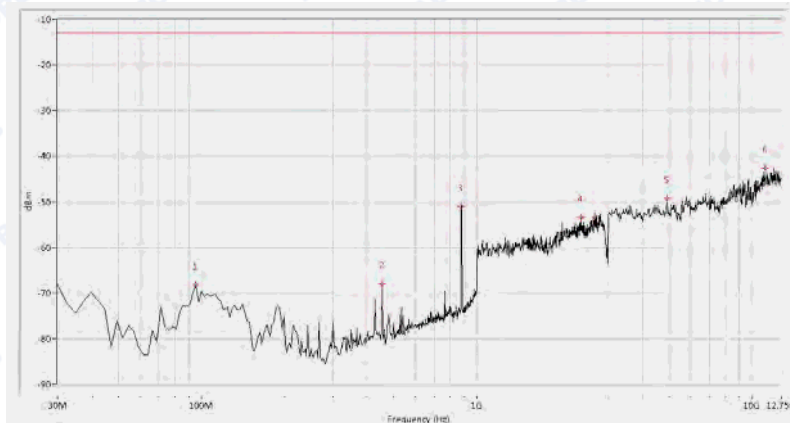
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 129.177 | -66.01 | -13.0 | 53.0 | Vertical | PASS |
| 453.317 | -67.92 | -13.0 | 54.9 | Vertical | PASS |
| 816.160 | -66.21 | -13.0 | 53.2 | Vertical | N.A |
| 871.796 | -47.84 | -13.0 | 34.8 | Vertical | N.A |
| 1648.379 | -54.61 | -13.0 | 41.6 | Vertical | PASS |
| 9370.324 | -43.45 | -13.0 | 30.4 | Vertical | PASS |

(Plot G2: HSDPA 850MHz Channel = 4132, Test Antenna Vertical)



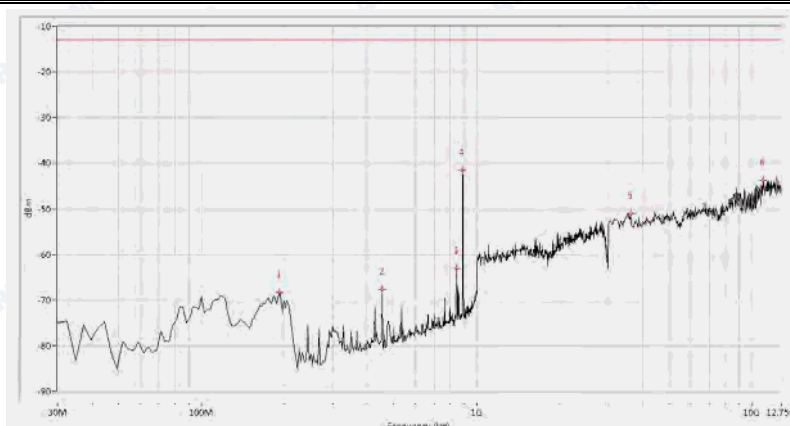
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 194.489 | -64.38 | -13.0 | 51.4 | Horizontal | PASS |
| 453.317 | -69.46 | -13.0 | 56.5 | Horizontal | PASS |
| 833.092 | -60.50 | -13.0 | 47.5 | Horizontal | N.A |
| 879.052 | -43.68 | -13.0 | 30.7 | Horizontal | N.A |
| 1418.953 | -57.07 | -13.0 | 44.1 | Horizontal | PASS |
| 6671.446 | -48.17 | -13.0 | 35.2 | Horizontal | PASS |

(Plot G3: HSDPA 850MHz Channel = 4175, Test Antenna Horizontal)



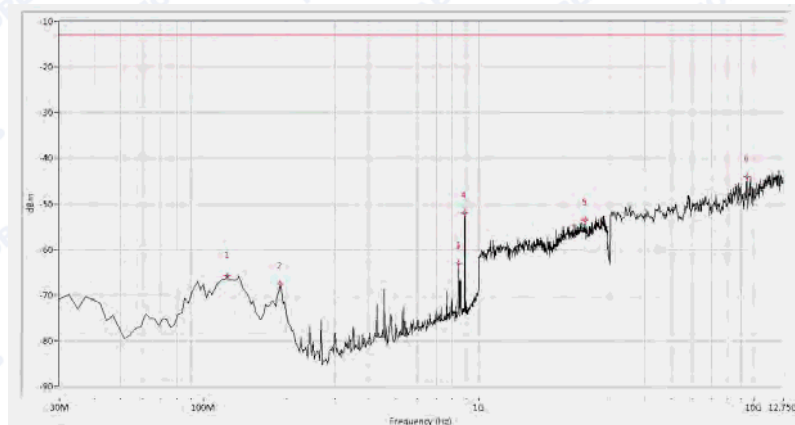
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 95.312 | -68.09 | -13.0 | 55.1 | Vertical | PASS |
| 453.317 | -68.03 | -13.0 | 55.0 | Vertical | PASS |
| 876.633 | -50.99 | -13.0 | 38.0 | Vertical | N.A |
| 2386.534 | -53.38 | -13.0 | 40.4 | Vertical | PASS |
| 4896.509 | -49.26 | -13.0 | 36.3 | Vertical | PASS |
| 11169.576 | -42.62 | -13.0 | 29.6 | Vertical | PASS |

(Plot G4: HSDPA 850MHz Channel = 4175, Test Antenna Vertical)



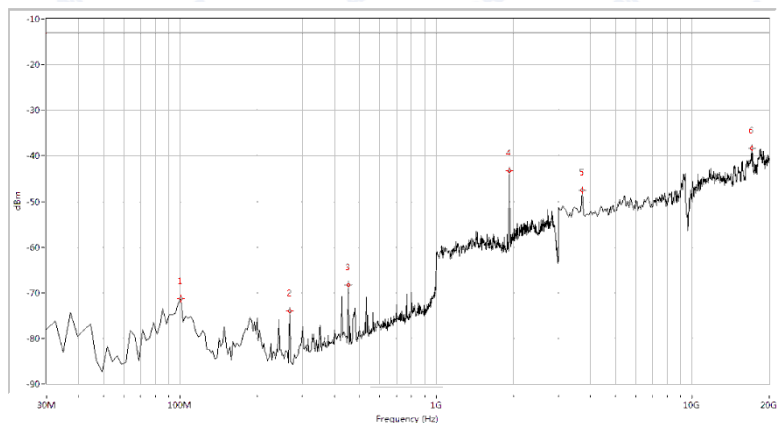
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -68.34 | -13.0 | 55.3 | Horizontal | PASS |
| 453.317 | -67.72 | -13.0 | 54.7 | Horizontal | PASS |
| 845.187 | -63.14 | -13.0 | 50.1 | Horizontal | N.A |
| 888.728 | -41.50 | -13.0 | 28.5 | Horizontal | N.A |
| 3632.170 | -50.95 | -13.0 | 38.0 | Horizontal | PASS |
| 10975.062 | -43.73 | -13.0 | 30.7 | Horizontal | PASS |

(Plot G5: HSDPA 850MHz Channel = 4233, Test Antenna Horizontal)



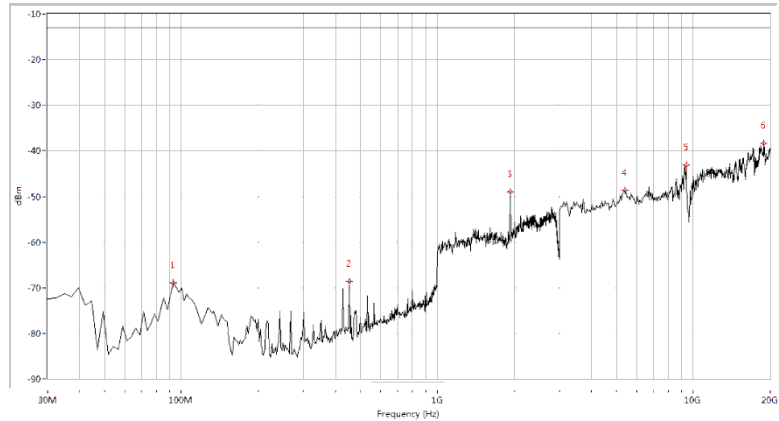
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.84 | -13.0 | 52.8 | Vertical | PASS |
| 189.651 | -67.54 | -13.0 | 54.5 | Vertical | PASS |
| 845.187 | -62.99 | -13.0 | 50.0 | Vertical | N.A |
| 888.728 | -51.93 | -13.0 | 38.9 | Vertical | N.A |
| 2431.421 | -53.52 | -13.0 | 40.5 | Vertical | PASS |
| 9418.953 | -44.01 | -13.0 | 31.0 | Vertical | PASS |

(Plot G6: HSDPA 850MHz Channel = 4233, Test Antenna Vertical)



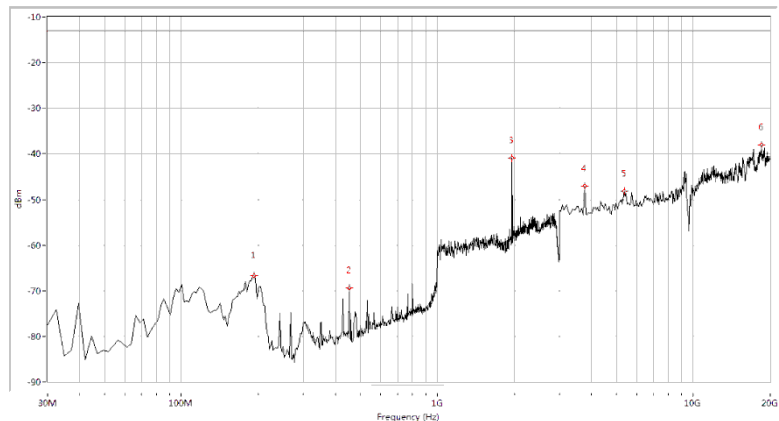
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -71.31 | -13.0 | 58.3 | Horizontal | PASS |
| 267.057 | -73.94 | -13.0 | 60.9 | Horizontal | PASS |
| 453.317 | -68.29 | -13.0 | 55.3 | Horizontal | PASS |
| 1927.681 | -43.34 | -13.0 | 30.3 | Horizontal | N.A |
| 3720.698 | -47.61 | -13.0 | 34.6 | Horizontal | PASS |
| 17159.601 | -38.37 | -13.0 | 25.4 | Horizontal | PASS |

(Plot H1: HSDPA 1900MHz Channel = 9262, Test Antenna Horizontal)



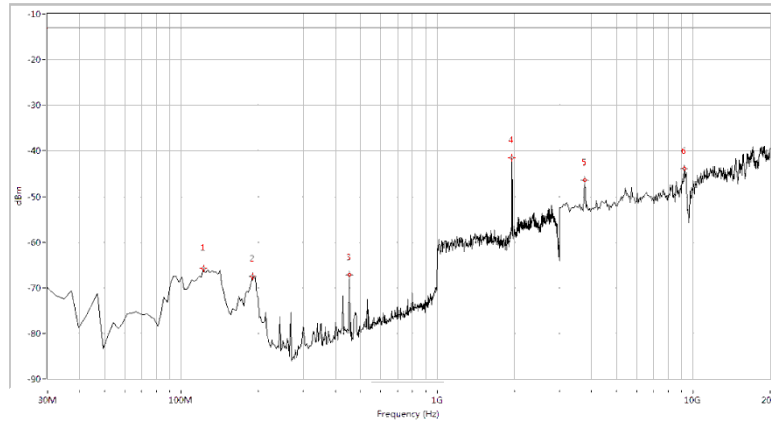
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 92.893 | -68.89 | -13.0 | 55.9 | Vertical | PASS |
| 453.317 | -68.58 | -13.0 | 55.6 | Vertical | PASS |
| 1932.668 | -48.91 | -13.0 | 35.9 | Vertical | N.A |
| 5416.459 | -48.61 | -13.0 | 35.6 | Vertical | PASS |
| 9401.496 | -43.14 | -13.0 | 30.1 | Vertical | PASS |
| 18897.756 | -38.40 | -13.0 | 25.4 | Vertical | PASS |

(Plot H2: HSDPA 1900MHz Channel = 9262, Test Antenna Vertical)



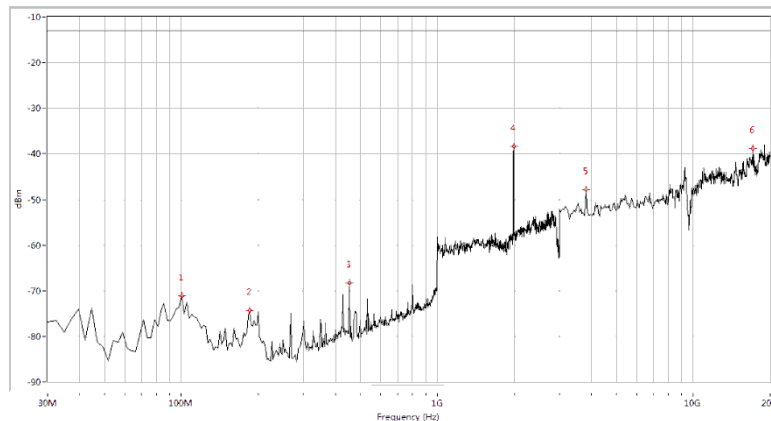
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -66.74 | -13.0 | 53.7 | Horizontal | PASS |
| 453.317 | -69.36 | -13.0 | 56.4 | Horizontal | PASS |
| 1957.606 | -40.90 | -13.0 | 27.9 | Horizontal | N.A |
| 3763.092 | -47.03 | -13.0 | 34.0 | Horizontal | PASS |
| 5374.065 | -48.24 | -13.0 | 35.2 | Horizontal | PASS |
| 18516.209 | -37.97 | -13.0 | 25.0 | Horizontal | PASS |

(Plot H3: HSDPA 1900MHz Channel = 9400, Test Antenna Horizontal)



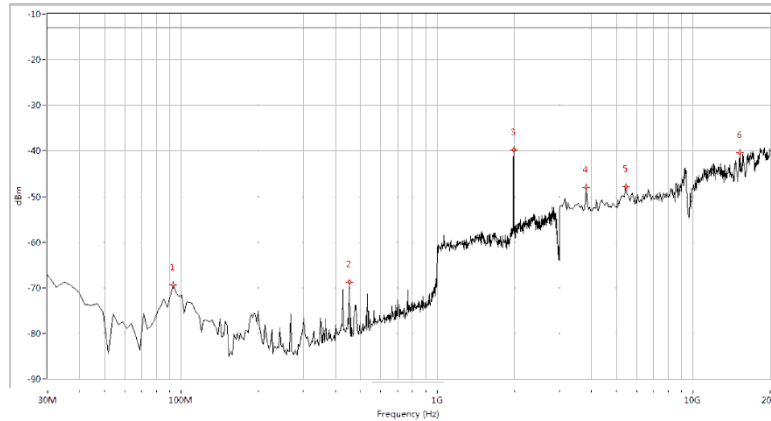
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.82 | -13.0 | 52.8 | Vertical | PASS |
| 189.651 | -67.58 | -13.0 | 54.6 | Vertical | PASS |
| 453.317 | -67.14 | -13.0 | 54.1 | Vertical | PASS |
| 1957.606 | -41.60 | -13.0 | 28.6 | Vertical | N.A |
| 3763.092 | -46.37 | -13.0 | 33.4 | Vertical | PASS |
| 9231.920 | -43.83 | -13.0 | 30.8 | Vertical | PASS |

(Plot H4: HSDPA 1900MHz Channel = 9400, Test Antenna Vertical)



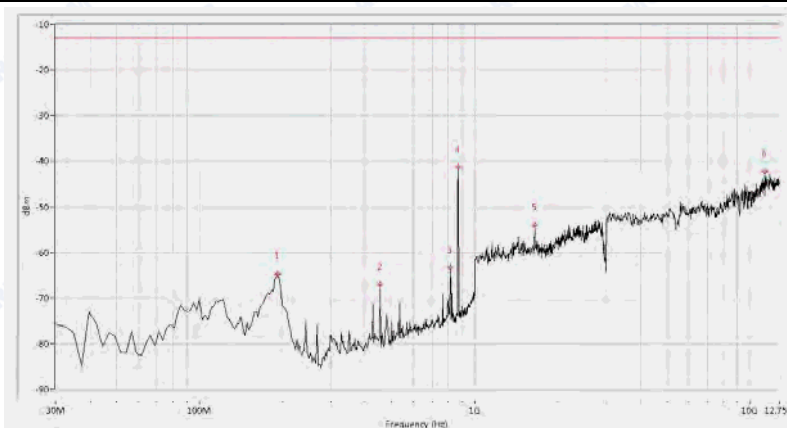
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -71.19 | -13.0 | 58.2 | Horizontal | PASS |
| 184.813 | -74.35 | -13.0 | 61.3 | Horizontal | PASS |
| 453.317 | -68.29 | -13.0 | 55.3 | Horizontal | PASS |
| 1987.531 | -38.31 | -13.0 | 25.3 | Horizontal | N.A |
| 3805.486 | -47.87 | -13.0 | 34.9 | Horizontal | PASS |
| 17159.601 | -38.77 | -13.0 | 25.8 | Horizontal | PASS |

(Plot H5: HSDPA 1900MHz Channel = 9538, Test Antenna Horizontal)



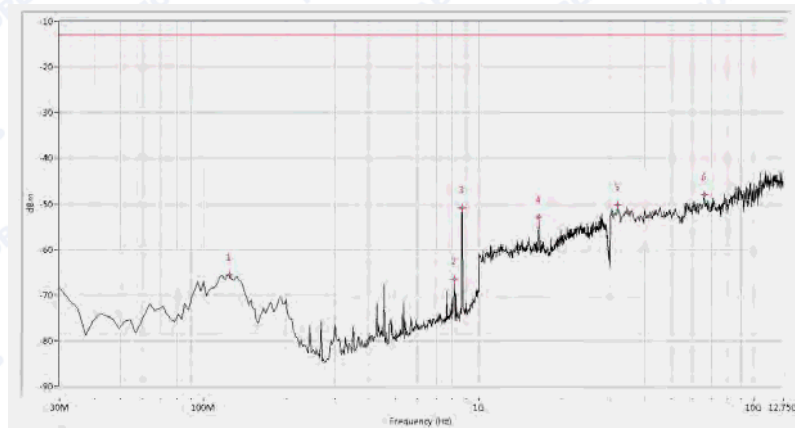
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 92.893 | -69.36 | -13.0 | 56.4 | Vertical | PASS |
| 453.317 | -68.78 | -13.0 | 55.8 | Vertical | PASS |
| 1987.531 | -39.77 | -13.0 | 26.8 | Vertical | N.A |
| 3805.486 | -48.08 | -13.0 | 35.1 | Vertical | PASS |
| 5458.853 | -47.92 | -13.0 | 34.9 | Vertical | PASS |
| 15209.476 | -40.40 | -13.0 | 27.4 | Vertical | PASS |

(Plot H6: HSDPA 1900MHz Channel = 9538, Test Antenna Vertical)



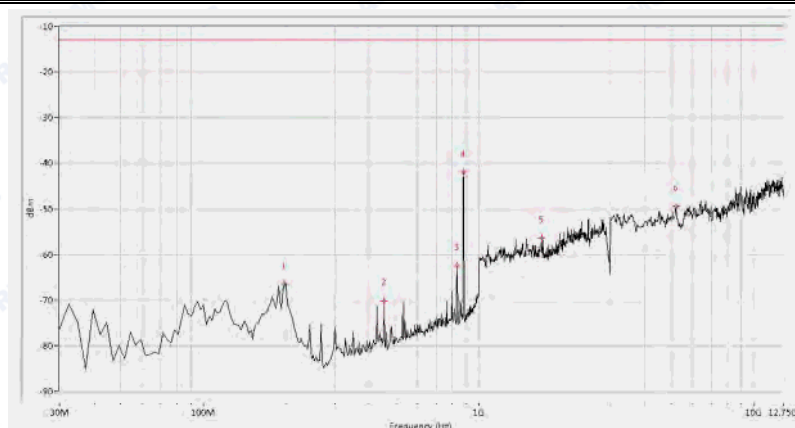
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -64.76 | -13.0 | 51.8 | Horizontal | PASS |
| 453.317 | -67.08 | -13.0 | 54.1 | Horizontal | PASS |
| 816.160 | -63.33 | -13.0 | 50.3 | Horizontal | N.A |
| 869.377 | -41.31 | -13.0 | 28.3 | Horizontal | N.A |
| 1648.379 | -54.03 | -13.0 | 41.0 | Horizontal | PASS |
| 11315.461 | -42.27 | -13.0 | 29.3 | Horizontal | PASS |

(Plot I1: HSUPA 850MHz Channel = 4132, Test Antenna Horizontal)



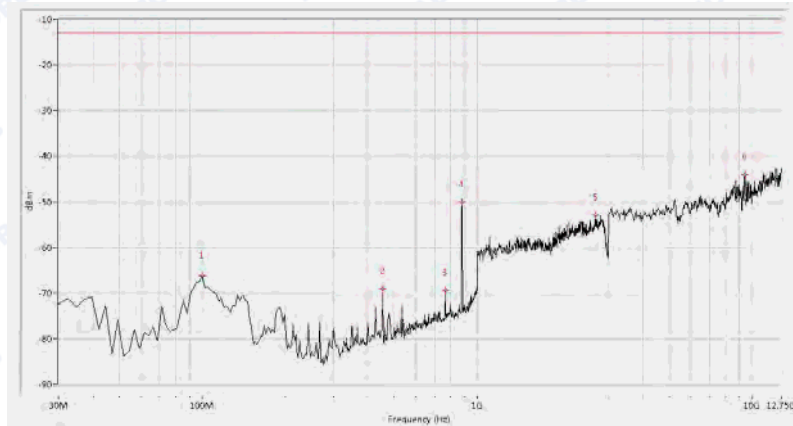
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 124.339 | -65.65 | -13.0 | 52.6 | Vertical | PASS |
| 816.160 | -66.53 | -13.0 | 53.5 | Vertical | N.A |
| 869.377 | -50.94 | -13.0 | 37.9 | Vertical | N.A |
| 1653.367 | -52.90 | -13.0 | 39.9 | Vertical | PASS |
| 3194.514 | -50.21 | -13.0 | 37.2 | Vertical | PASS |
| 6598.504 | -48.00 | -13.0 | 35.0 | Vertical | PASS |

(Plot I2: HSUPA 850MHz Channel = 4132, Test Antenna Vertical)



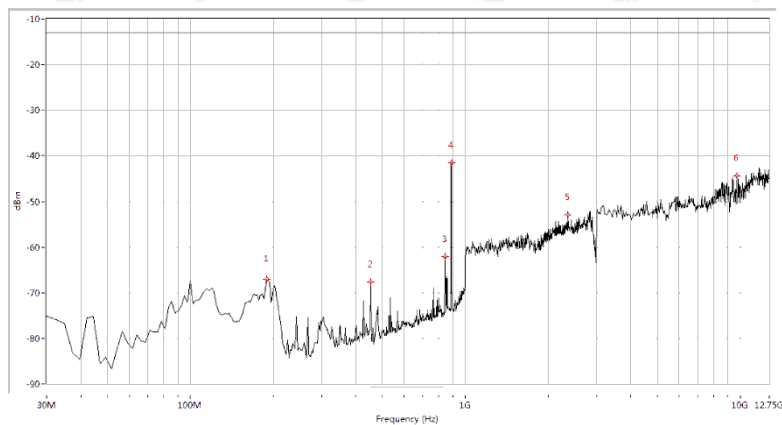
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 196.908 | -66.46 | -13.0 | 53.5 | Horizontal | PASS |
| 453.317 | -70.22 | -13.0 | 57.2 | Horizontal | PASS |
| 835.511 | -62.40 | -13.0 | 49.4 | Horizontal | N.A |
| 879.052 | -41.95 | -13.0 | 28.9 | Horizontal | N.A |
| 1688.279 | -56.35 | -13.0 | 43.4 | Horizontal | PASS |
| 5212.594 | -49.37 | -13.0 | 36.4 | Horizontal | PASS |

(Plot I3: HSUPA 850MHz Channel = 4175, Test Antenna Horizontal)



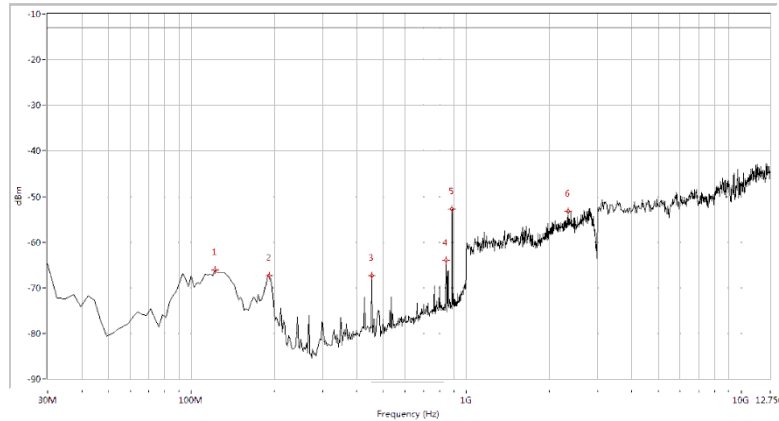
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 100.150 | -66.19 | -13.0 | 53.2 | Vertical | PASS |
| 453.317 | -69.12 | -13.0 | 56.1 | Vertical | PASS |
| 765.362 | -69.38 | -13.0 | 56.4 | Vertical | PASS |
| 879.052 | -50.01 | -13.0 | 37.0 | Vertical | N.A |
| 2700.748 | -52.94 | -13.0 | 39.9 | Vertical | PASS |
| 9418.953 | -44.08 | -13.0 | 31.1 | Vertical | PASS |

(Plot I4: HSUPA 850MHz Channel = 4175, Test Antenna Vertical)



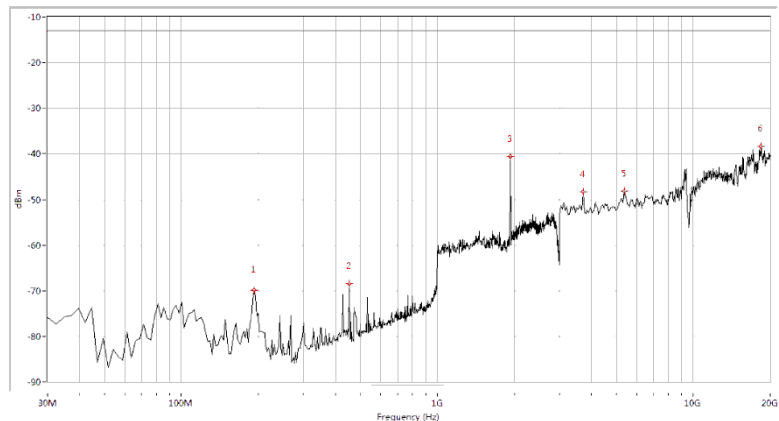
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 189.651 | -67.09 | -13.0 | 54.1 | Horizontal | PASS |
| 453.317 | -67.66 | -13.0 | 54.7 | Horizontal | PASS |
| 845.187 | -62.05 | -13.0 | 49.1 | Horizontal | N.A |
| 891.147 | -41.47 | -13.0 | 28.5 | Horizontal | N.A |
| 2356.608 | -52.93 | -13.0 | 39.9 | Horizontal | PASS |
| 9710.723 | -44.44 | -13.0 | 31.4 | Horizontal | PASS |

(Plot I5: HSUPA 850MHz Channel = 4233, Test Antenna Horizontal)



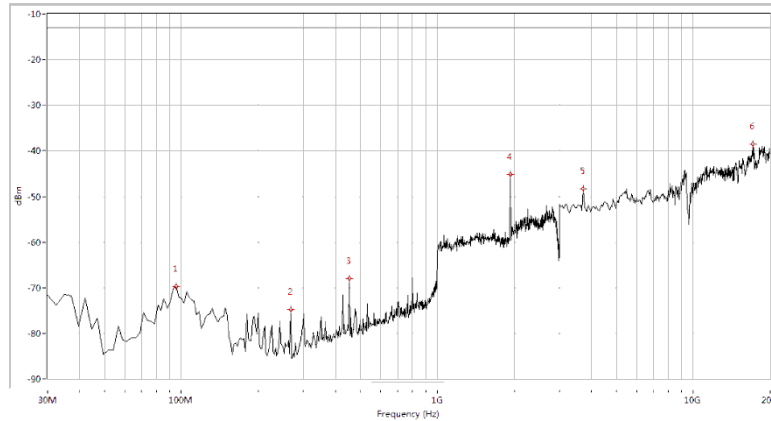
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -66.10 | -13.0 | 53.1 | Vertical | PASS |
| 192.070 | -67.41 | -13.0 | 54.4 | Vertical | PASS |
| 453.317 | -67.38 | -13.0 | 54.4 | Vertical | PASS |
| 842.768 | -63.97 | -13.0 | 51.0 | Vertical | N.A |
| 888.728 | -52.71 | -13.0 | 39.7 | Vertical | N.A |
| 2341.646 | -53.17 | -13.0 | 40.2 | Vertical | PASS |

(Plot I6: HSUPA 850MHz Channel = 4233, Test Antenna Vertical)



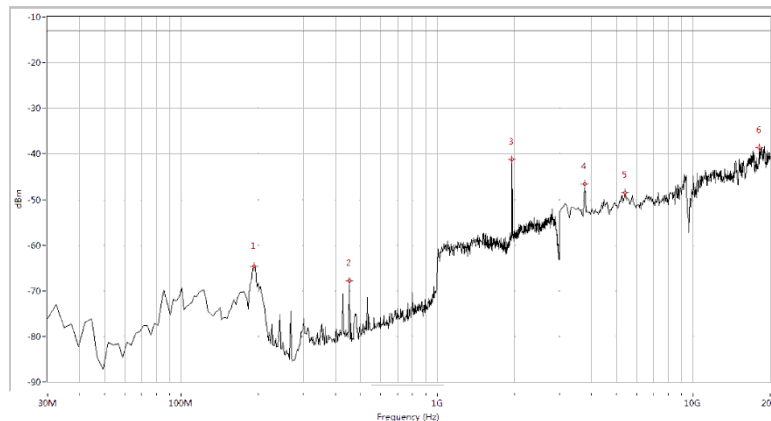
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -69.91 | -13.0 | 56.9 | Horizontal | PASS |
| 453.317 | -68.43 | -13.0 | 55.4 | Horizontal | PASS |
| 1932.668 | -40.60 | -13.0 | 27.6 | Horizontal | N.A |
| 3720.698 | -48.35 | -13.0 | 35.3 | Horizontal | PASS |
| 5374.065 | -48.12 | -13.0 | 35.1 | Horizontal | PASS |
| 18346.633 | -38.39 | -13.0 | 25.4 | Horizontal | PASS |

(Plot J1: HSUPA 1900MHz Channel = 9262, Test Antenna Horizontal)



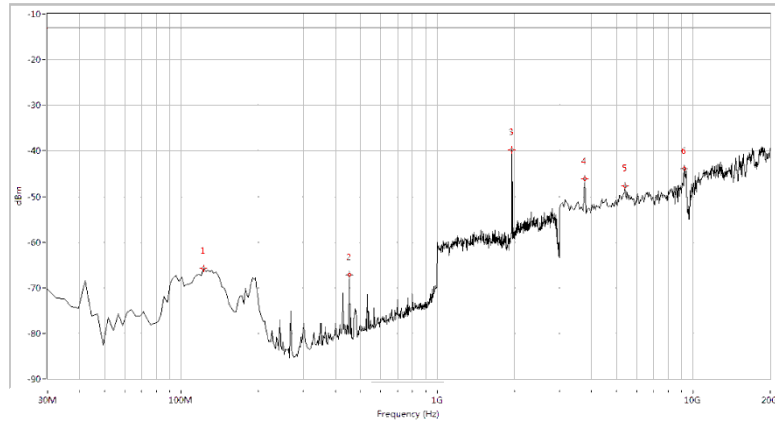
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 95.312 | -69.74 | -13.0 | 56.7 | Vertical | PASS |
| 267.057 | -74.87 | -13.0 | 61.9 | Vertical | PASS |
| 453.317 | -68.00 | -13.0 | 55.0 | Vertical | PASS |
| 1932.668 | -45.18 | -13.0 | 32.2 | Vertical | N.A |
| 3720.698 | -48.33 | -13.0 | 35.3 | Vertical | PASS |
| 17159.601 | -38.48 | -13.0 | 25.5 | Vertical | PASS |

(Plot J2: HSUPA 1900MHz Channel = 9262, Test Antenna Vertical)



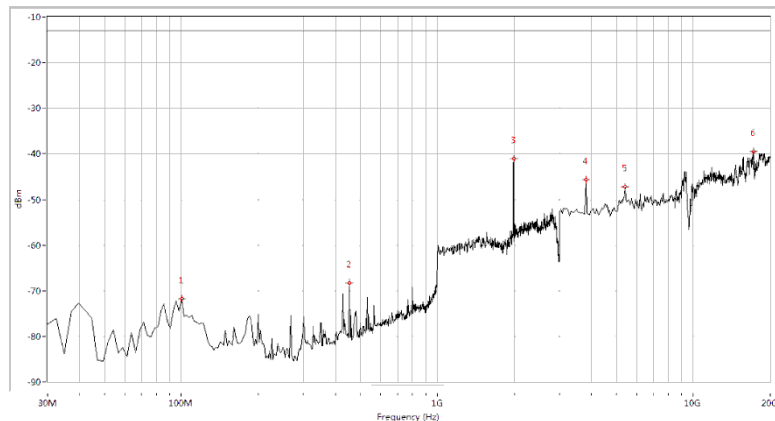
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -64.63 | -13.0 | 51.6 | Horizontal | PASS |
| 453.317 | -67.86 | -13.0 | 54.9 | Horizontal | PASS |
| 1957.606 | -41.23 | -13.0 | 28.2 | Horizontal | N.A |
| 3763.092 | -46.55 | -13.0 | 33.5 | Horizontal | PASS |
| 5416.459 | -48.51 | -13.0 | 35.5 | Horizontal | PASS |
| 18177.057 | -38.74 | -13.0 | 25.7 | Horizontal | PASS |

(Plot J3: HSUPA 1900MHz Channel = 9400, Test Antenna Horizontal)



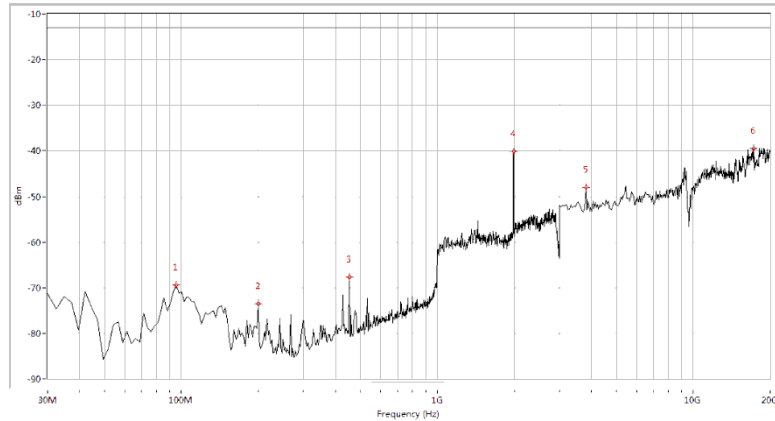
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.73 | -13.0 | 52.7 | Vertical | PASS |
| 453.317 | -67.16 | -13.0 | 54.2 | Vertical | PASS |
| 1957.606 | -39.83 | -13.0 | 26.8 | Vertical | N.A |
| 3763.092 | -46.17 | -13.0 | 33.2 | Vertical | PASS |
| 5416.459 | -47.66 | -13.0 | 34.7 | Vertical | PASS |
| 9231.920 | -43.87 | -13.0 | 30.9 | Vertical | PASS |

(Plot J4: HSUPA 1900MHz Channel = 9400, Test Antenna Vertical)



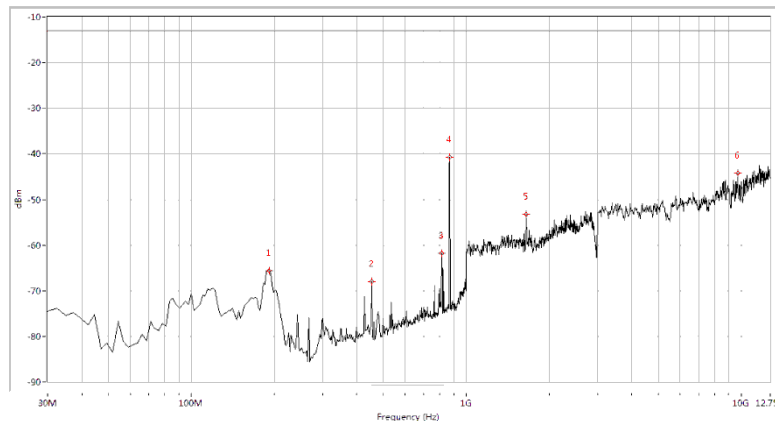
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -71.73 | -13.0 | 58.7 | Horizontal | PASS |
| 453.317 | -68.26 | -13.0 | 55.3 | Horizontal | PASS |
| 1987.531 | -41.09 | -13.0 | 28.1 | Horizontal | N.A |
| 3805.486 | -45.63 | -13.0 | 32.6 | Horizontal | PASS |
| 5416.459 | -47.19 | -13.0 | 34.2 | Horizontal | PASS |
| 17201.995 | -39.49 | -13.0 | 26.5 | Horizontal | PASS |

(Plot J5: HSUPA 1900MHz Channel = 9538, Test Antenna Horizontal)



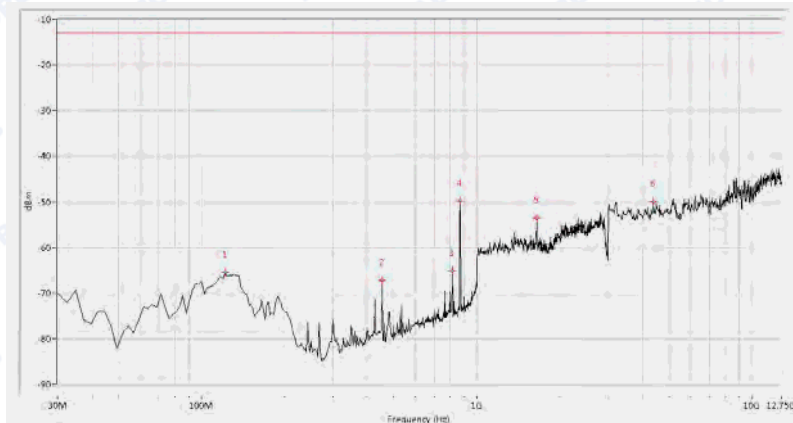
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 95.312 | -69.35 | -13.0 | 56.3 | Vertical | PASS |
| 199.327 | -73.50 | -13.0 | 60.5 | Vertical | PASS |
| 453.317 | -67.67 | -13.0 | 54.7 | Vertical | PASS |
| 1987.531 | -40.12 | -13.0 | 27.1 | Vertical | N.A |
| 3805.486 | -47.96 | -13.0 | 35.0 | Vertical | PASS |
| 17201.995 | -39.53 | -13.0 | 26.5 | Vertical | PASS |

(Plot J6: HSUPA 1900MHz Channel = 9538, Test Antenna Vertical)



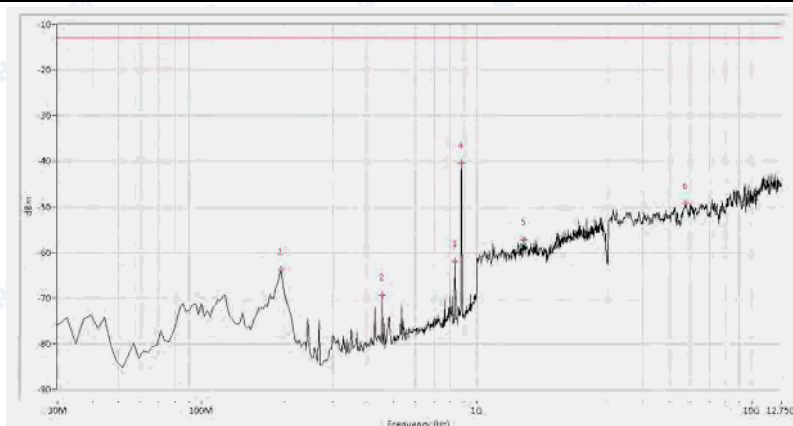
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -65.57 | -13.0 | 52.6 | Horizontal | PASS |
| 453.317 | -67.92 | -13.0 | 54.9 | Horizontal | PASS |
| 813.741 | -61.82 | -13.0 | 48.8 | Horizontal | N.A |
| 869.377 | -40.73 | -13.0 | 27.7 | Horizontal | N.A |
| 1653.367 | -53.31 | -13.0 | 40.3 | Horizontal | PASS |
| 9710.723 | -44.25 | -13.0 | 31.2 | Horizontal | PASS |

(Plot K1: HSPA+ 850MHz Channel = 4132, Test Antenna Horizontal)



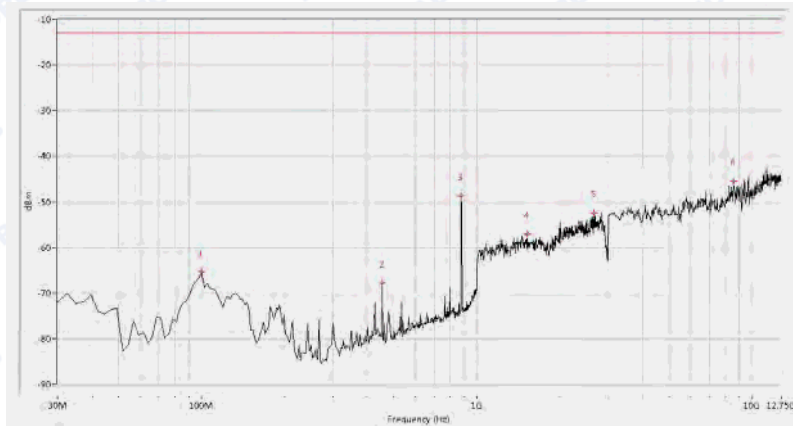
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.42 | -13.0 | 52.4 | Vertical | PASS |
| 453.317 | -67.25 | -13.0 | 54.2 | Vertical | PASS |
| 816.160 | -65.16 | -13.0 | 52.2 | Vertical | N.A |
| 869.377 | -49.82 | -13.0 | 36.8 | Vertical | N.A |
| 1648.379 | -53.56 | -13.0 | 40.6 | Vertical | PASS |
| 4385.910 | -49.87 | -13.0 | 36.9 | Vertical | PASS |

(Plot K2: HSPA+ 850MHz Channel = 4132, Test Antenna Vertical)



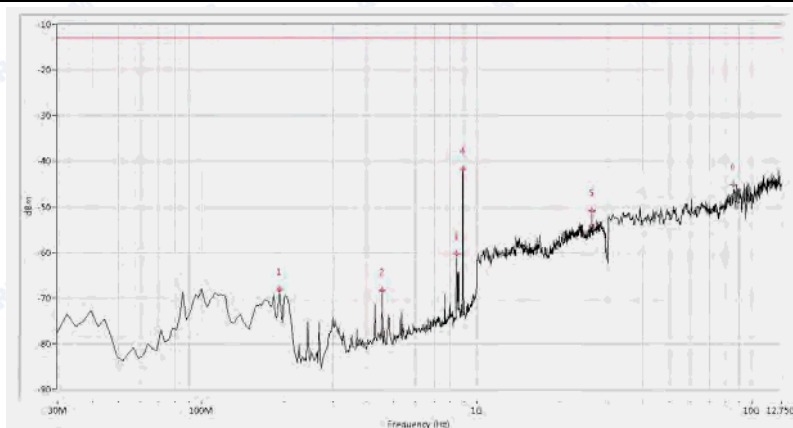
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 194.489 | -63.93 | -13.0 | 50.9 | Horizontal | PASS |
| 453.317 | -69.42 | -13.0 | 56.4 | Horizontal | PASS |
| 835.511 | -62.00 | -13.0 | 49.0 | Horizontal | N.A |
| 879.052 | -40.37 | -13.0 | 27.4 | Horizontal | N.A |
| 1478.803 | -57.21 | -13.0 | 44.2 | Horizontal | PASS |
| 5723.192 | -49.29 | -13.0 | 36.3 | Horizontal | PASS |

(Plot K3: HSPA+ 850MHz Channel = 4175, Test Antenna Horizontal)



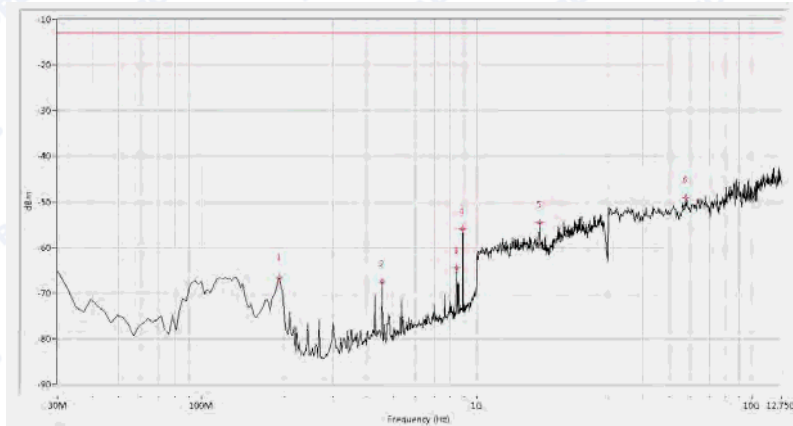
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 100.150 | -65.27 | -13.0 | 52.3 | Vertical | PASS |
| 453.317 | -67.78 | -13.0 | 54.8 | Vertical | PASS |
| 876.633 | -48.59 | -13.0 | 35.6 | Vertical | N.A |
| 1523.691 | -57.04 | -13.0 | 44.0 | Vertical | PASS |
| 2670.823 | -52.42 | -13.0 | 39.4 | Vertical | PASS |
| 8543.641 | -45.43 | -13.0 | 32.4 | Vertical | PASS |

(Plot K4: HSPA+ 850MHz Channel = 4175, Test Antenna Vertical)



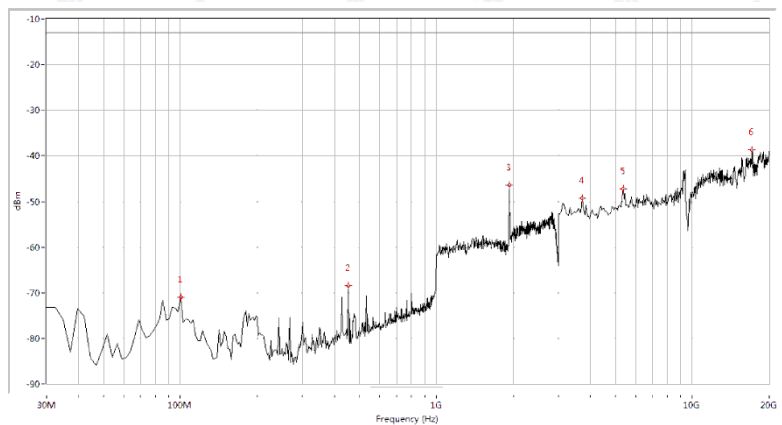
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 192.070 | -68.12 | -13.0 | 55.1 | Horizontal | PASS |
| 453.317 | -68.29 | -13.0 | 55.3 | Horizontal | PASS |
| 842.768 | -60.37 | -13.0 | 47.4 | Horizontal | N.A |
| 891.147 | -41.72 | -13.0 | 28.7 | Horizontal | N.A |
| 2615.960 | -50.94 | -13.0 | 37.9 | Horizontal | PASS |
| 8567.955 | -45.16 | -13.0 | 32.2 | Horizontal | PASS |

(Plot K5: HSPA+ 850MHz Channel = 4233, Test Antenna Horizontal)



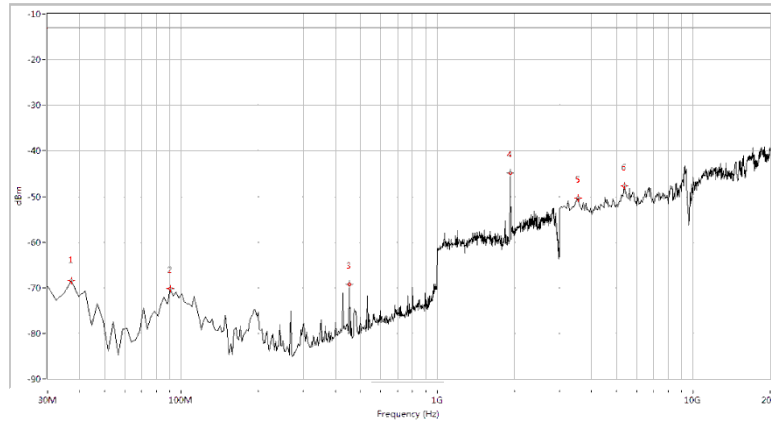
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 192.070 | -66.73 | -13.0 | 53.7 | Vertical | PASS |
| 453.317 | -67.52 | -13.0 | 54.5 | Vertical | PASS |
| 845.187 | -64.50 | -13.0 | 51.5 | Vertical | N.A |
| 888.728 | -55.98 | -13.0 | 43.0 | Vertical | N.A |
| 1688.279 | -54.52 | -13.0 | 41.5 | Vertical | PASS |
| 5723.192 | -49.09 | -13.0 | 36.1 | Vertical | PASS |

(Plot K6: HSPA+ 850MHz Channel = 4233, Test Antenna Vertical)



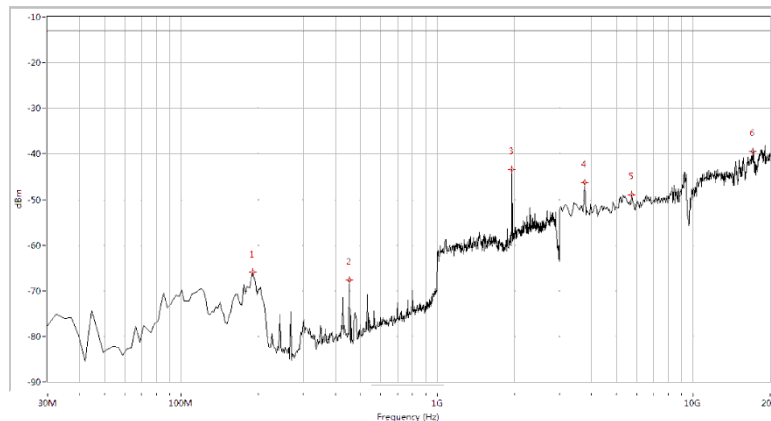
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -70.97 | -13.0 | 58.0 | Horizontal | PASS |
| 453.317 | -68.45 | -13.0 | 55.5 | Horizontal | PASS |
| 1932.668 | -46.42 | -13.0 | 33.4 | Horizontal | N.A |
| 3720.698 | -49.27 | -13.0 | 36.3 | Horizontal | PASS |
| 5374.065 | -47.19 | -13.0 | 34.2 | Horizontal | PASS |
| 17159.601 | -38.61 | -13.0 | 25.6 | Horizontal | PASS |

(Plot L1: HSPA+ 1900MHz Channel = 9262, Test Antenna Horizontal)



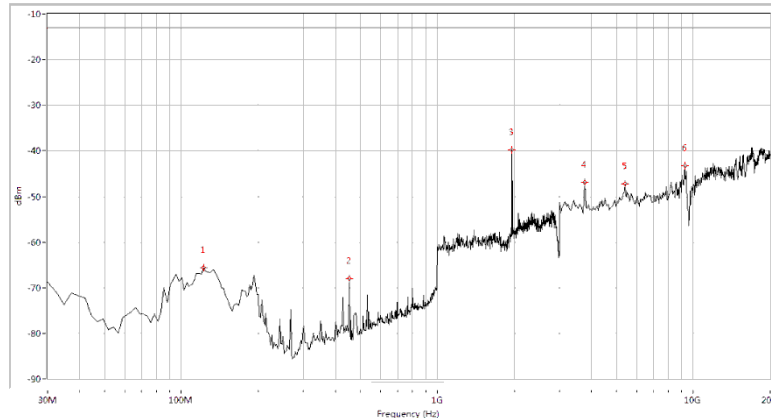
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 37.257 | -68.40 | -13.0 | 55.4 | Vertical | PASS |
| 90.474 | -70.21 | -13.0 | 57.2 | Vertical | PASS |
| 453.317 | -69.17 | -13.0 | 56.2 | Vertical | PASS |
| 1932.668 | -44.92 | -13.0 | 31.9 | Vertical | N.A |
| 3551.122 | -50.43 | -13.0 | 37.4 | Vertical | PASS |
| 5374.065 | -47.67 | -13.0 | 34.7 | Vertical | PASS |

(Plot L2: HSPA+ 1900MHz Channel = 9262, Test Antenna Vertical)



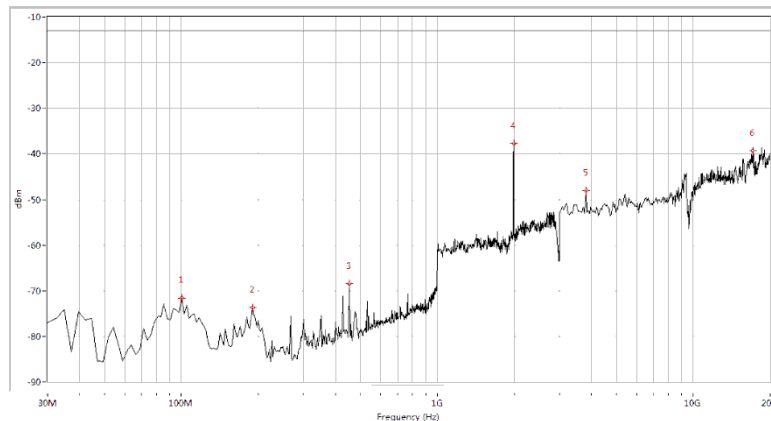
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 189.651 | -65.88 | -13.0 | 52.9 | Horizontal | PASS |
| 453.317 | -67.74 | -13.0 | 54.7 | Horizontal | PASS |
| 1957.606 | -43.39 | -13.0 | 30.4 | Horizontal | N.A |
| 3763.092 | -46.29 | -13.0 | 33.3 | Horizontal | PASS |
| 5755.611 | -48.98 | -13.0 | 36.0 | Horizontal | PASS |
| 17159.601 | -39.48 | -13.0 | 26.5 | Horizontal | PASS |

(Plot L3: HSPA+ 1900MHz Channel = 9400, Test Antenna Horizontal)



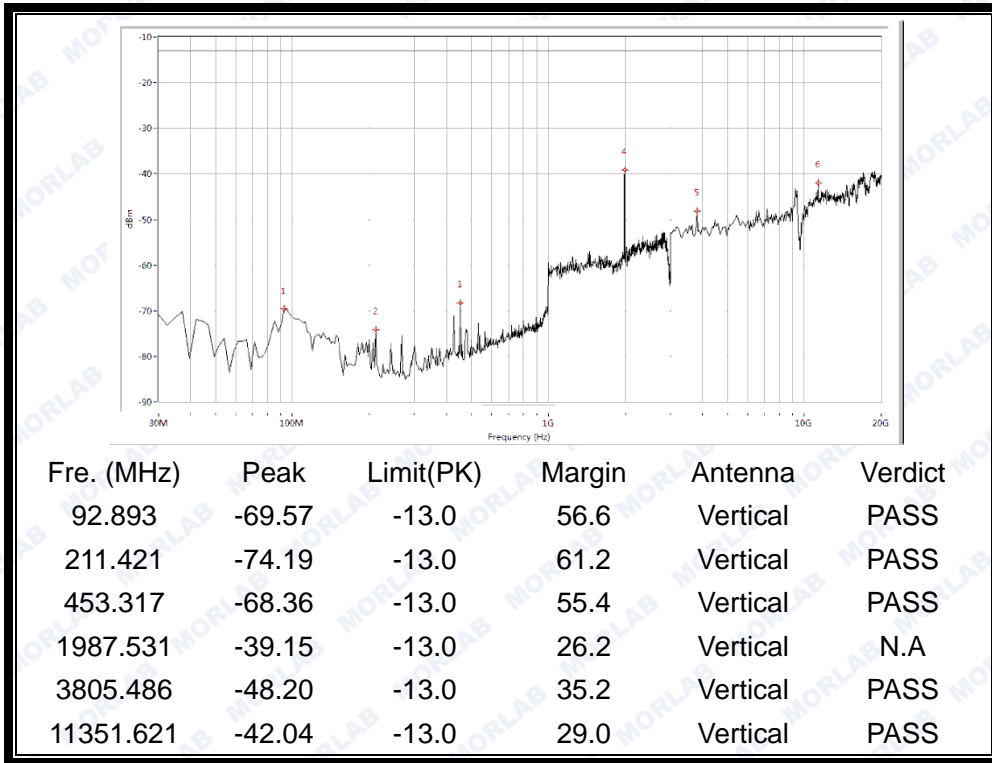
| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 121.920 | -65.63 | -13.0 | 52.6 | Vertical | PASS |
| 453.317 | -67.99 | -13.0 | 55.0 | Vertical | PASS |
| 1957.606 | -39.86 | -13.0 | 26.9 | Vertical | N.A |
| 3763.092 | -46.89 | -13.0 | 33.9 | Vertical | PASS |
| 5416.459 | -47.16 | -13.0 | 34.2 | Vertical | PASS |
| 9274.314 | -43.31 | -13.0 | 30.3 | Vertical | PASS |

(Plot L4: HSPA+ 1900MHz Channel = 9400, Test Antenna Vertical)



| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|------------|---------|
| 100.150 | -71.57 | -13.0 | 58.6 | Horizontal | PASS |
| 189.651 | -73.70 | -13.0 | 60.7 | Horizontal | PASS |
| 453.317 | -68.45 | -13.0 | 55.5 | Horizontal | PASS |
| 1987.531 | -37.70 | -13.0 | 24.7 | Horizontal | N.A |
| 3805.486 | -48.01 | -13.0 | 35.0 | Horizontal | PASS |
| 17159.601 | -39.30 | -13.0 | 26.3 | Horizontal | PASS |

(Plot L5: HSPA+ 1900MHz Channel = 9538, Test Antenna Horizontal)



| Fre. (MHz) | Peak | Limit(PK) | Margin | Antenna | Verdict |
|------------|--------|-----------|--------|----------|---------|
| 92.893 | -69.57 | -13.0 | 56.6 | Vertical | PASS |
| 211.421 | -74.19 | -13.0 | 61.2 | Vertical | PASS |
| 453.317 | -68.36 | -13.0 | 55.4 | Vertical | PASS |
| 1987.531 | -39.15 | -13.0 | 26.2 | Vertical | N.A |
| 3805.486 | -48.20 | -13.0 | 35.2 | Vertical | PASS |
| 11351.621 | -42.04 | -13.0 | 29.0 | Vertical | PASS |

(Plot L6: HSPA+ 1900MHz Channel = 9538, Test Antenna Vertical)

***** END OF REPORT *****