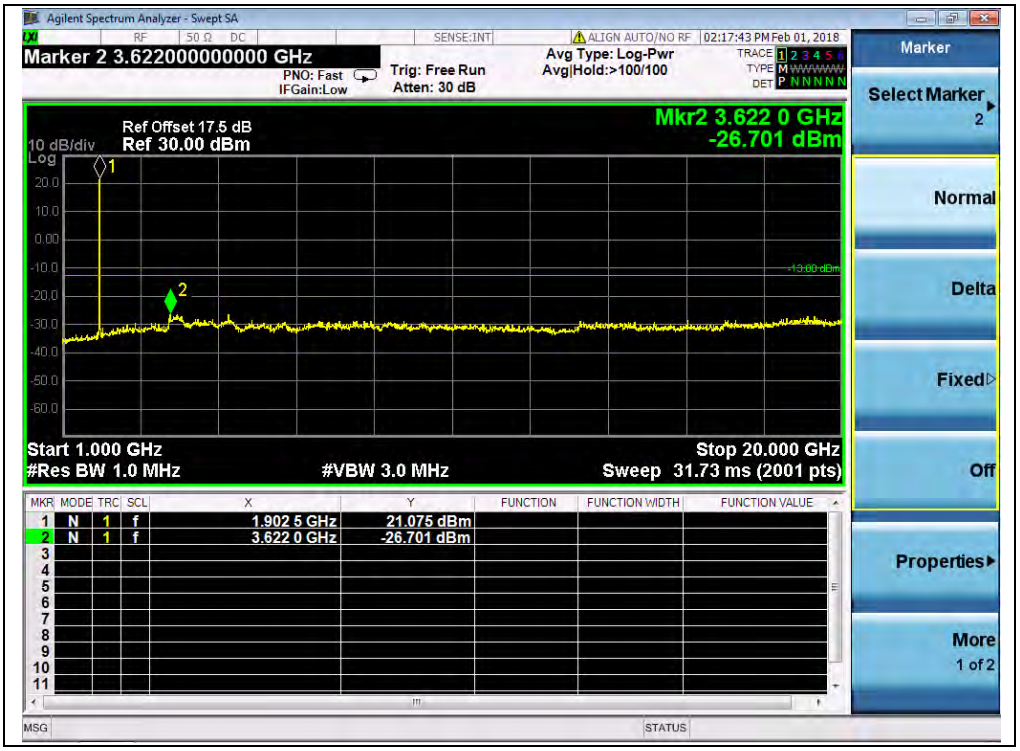
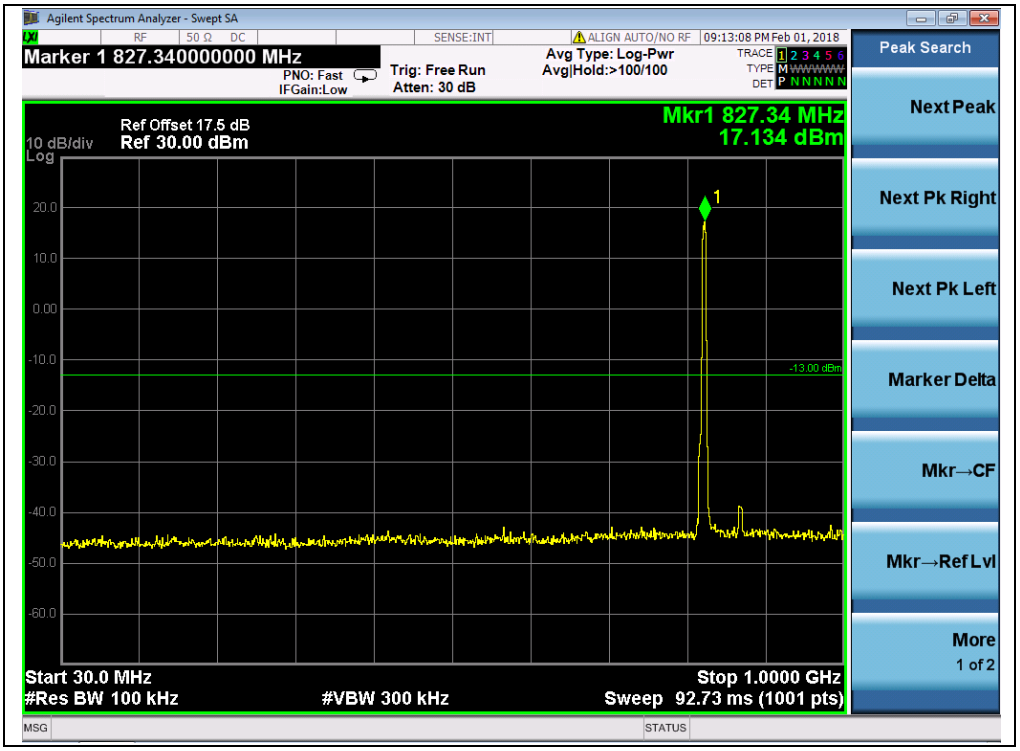
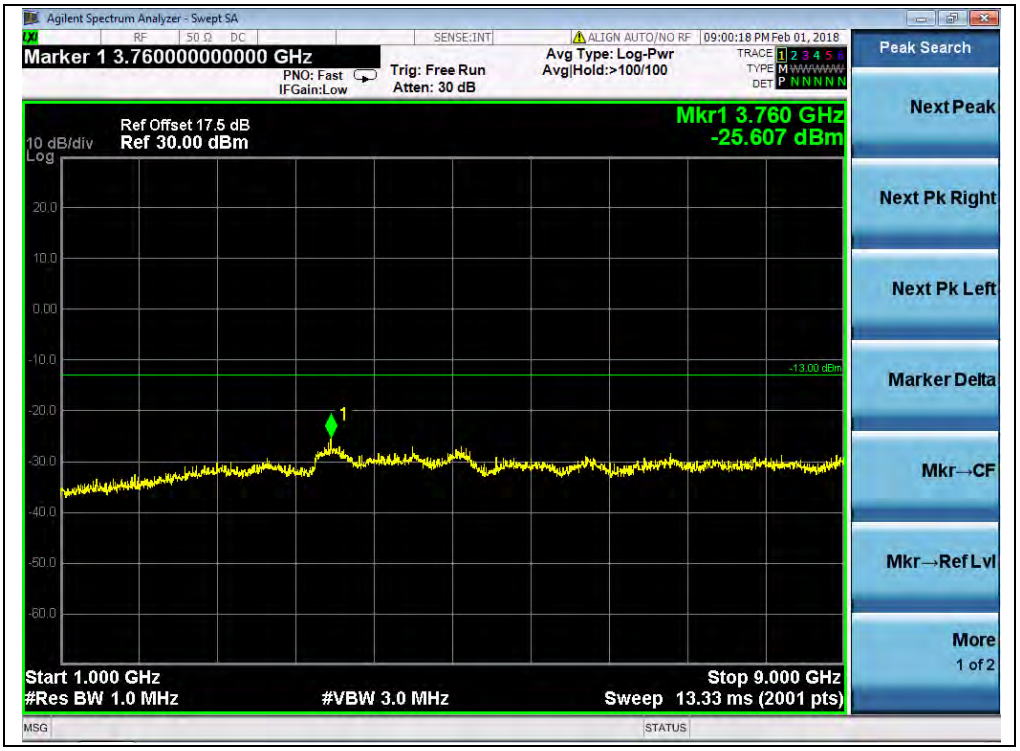


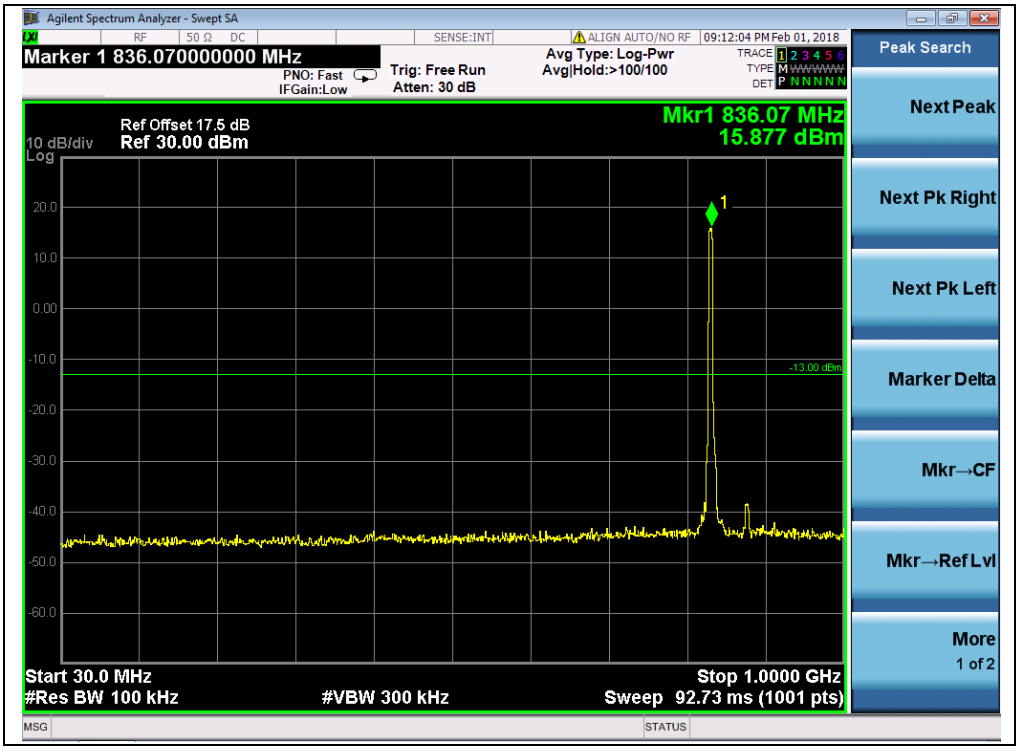

(Plot O3.1, HSUPA1900MHz, Channel = 9538 1GHz to 20GHz)



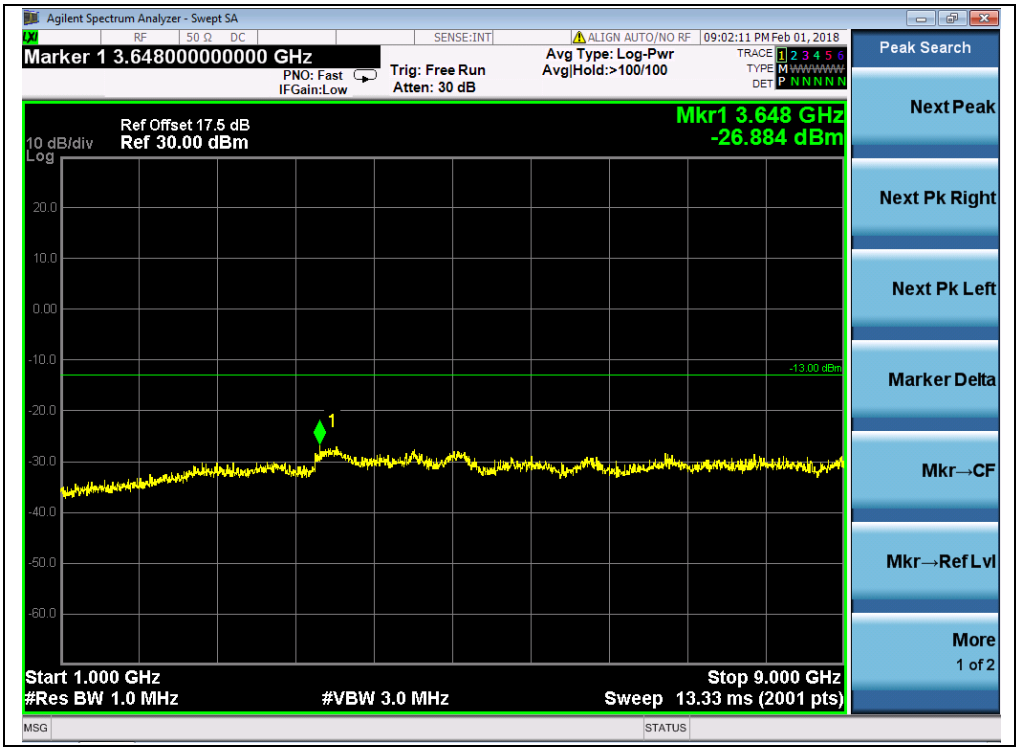

(Plot P1, HSPA+ 850MHz, Channel = 4132, 30MHz to 1GHz)



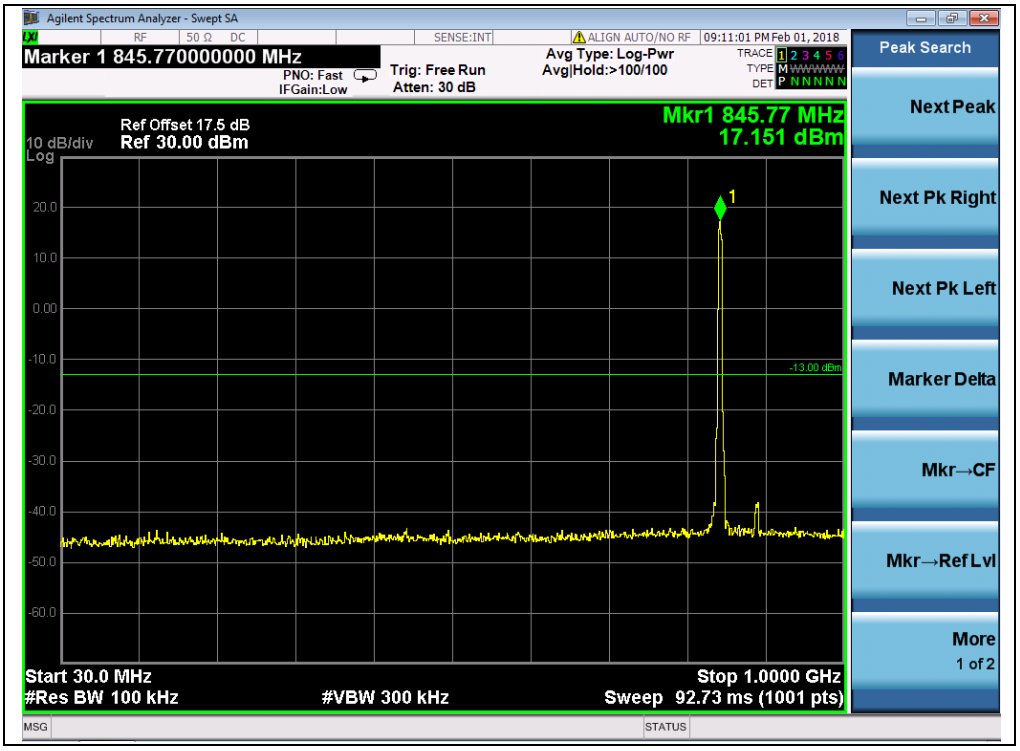

(Plot P1.1, HSPA+ 850MHz, Channel = 4132, 1GHz to 9GHz)



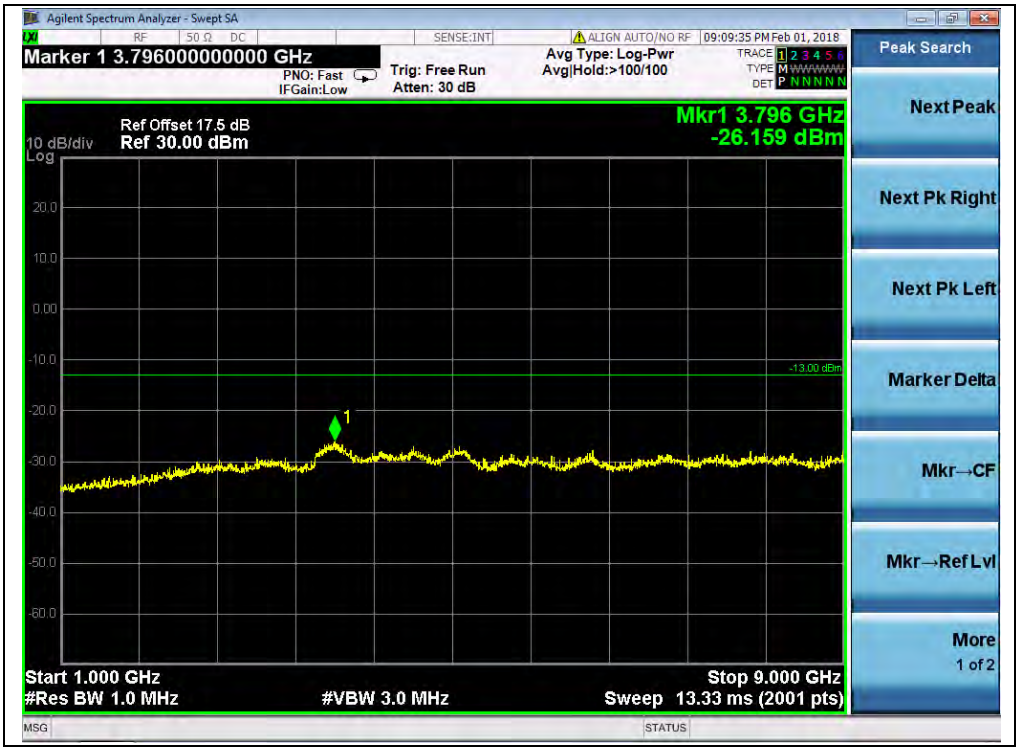

(Plot P2, HSPA+ 850MHz, Channel = 4175, 30MHz to 1GHz)



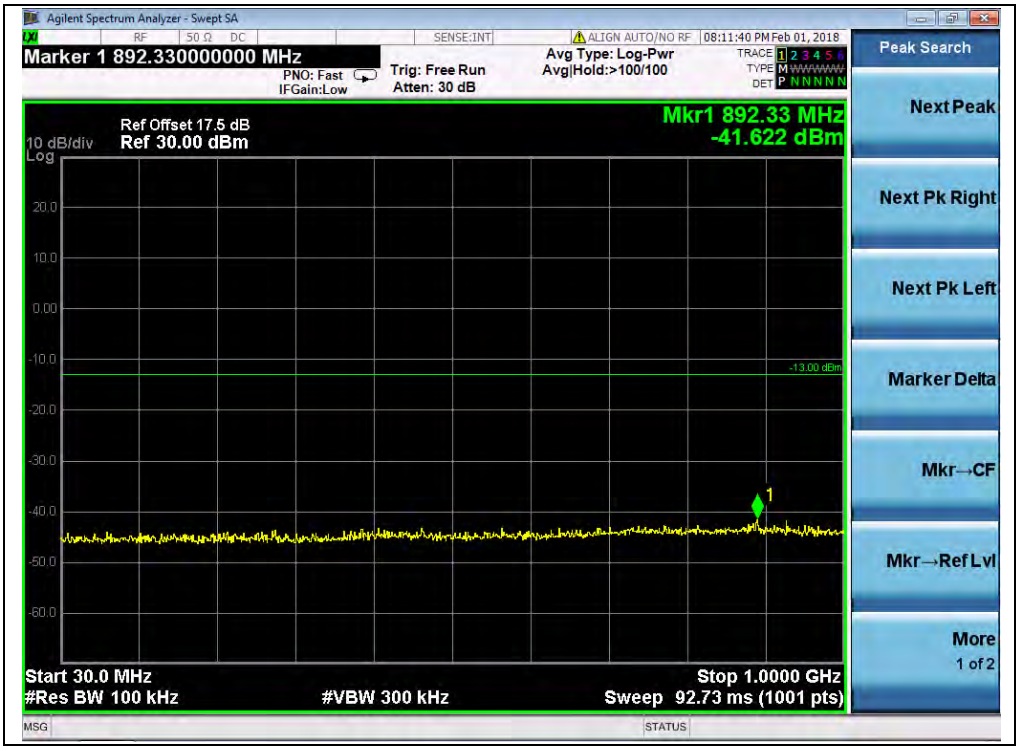

(Plot P2.1, HSPA+ 850MHz, Channel = 4175, 1GHz to 9GHz)



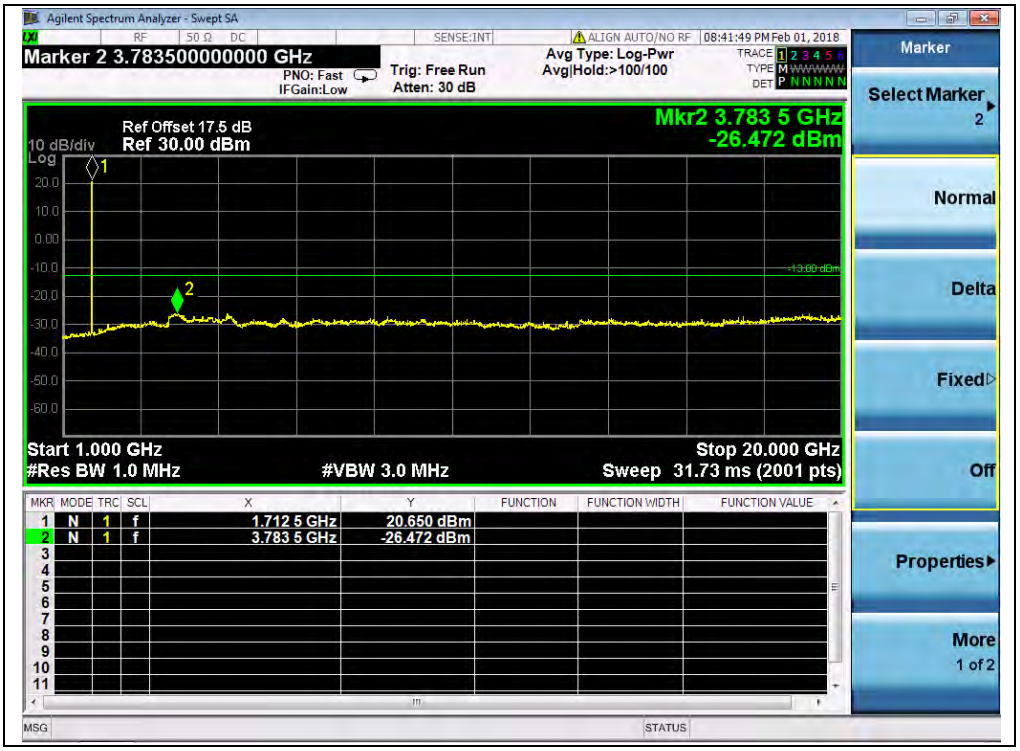

(Plot P3, HSPA+ 850MHz, Channel = 4233, 30MHz to 1GHz)



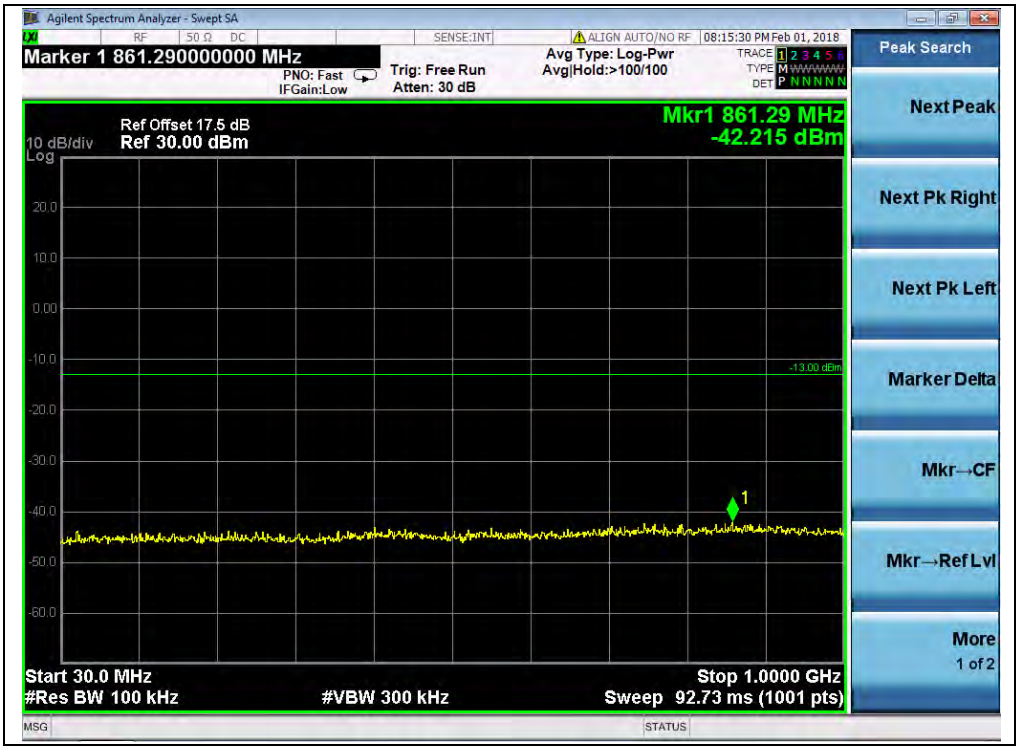

(Plot P3.1, HSPA+ 850MHz, Channel = 4233, 1GHz to 9GHz)



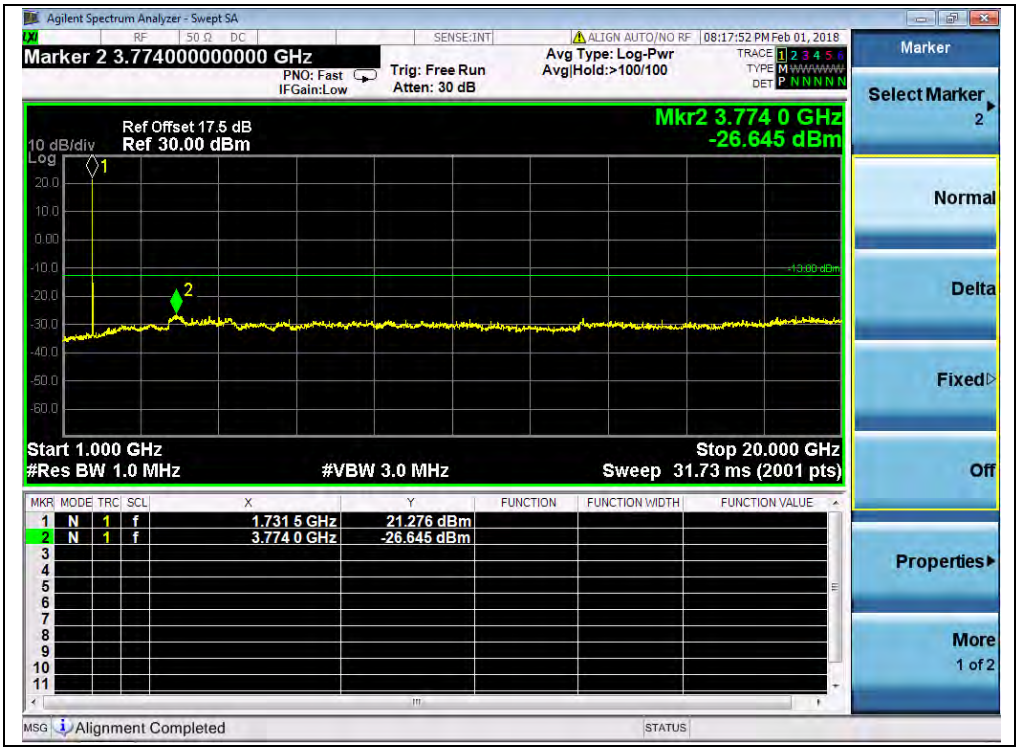

(Plot Q1, HSPA+1700MHz, Channel = 1312, 30MHz to 1GHz)



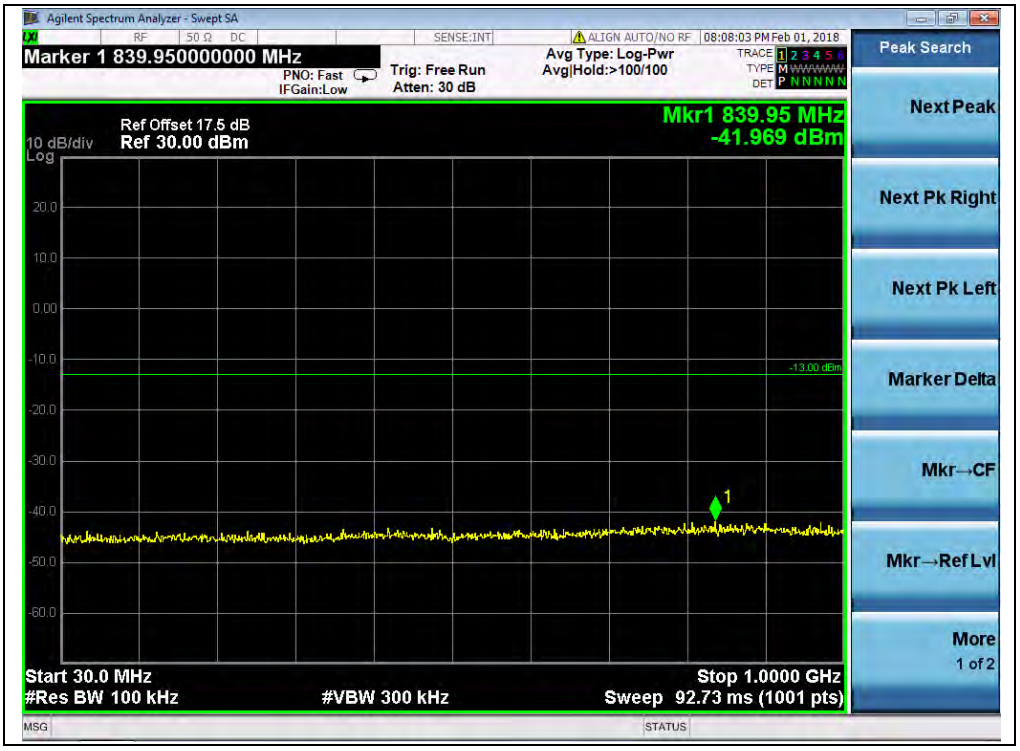

(Plot Q1.1, HSPA+ 1700MHz, Channel = 1312, 1GHz to 20GHz)



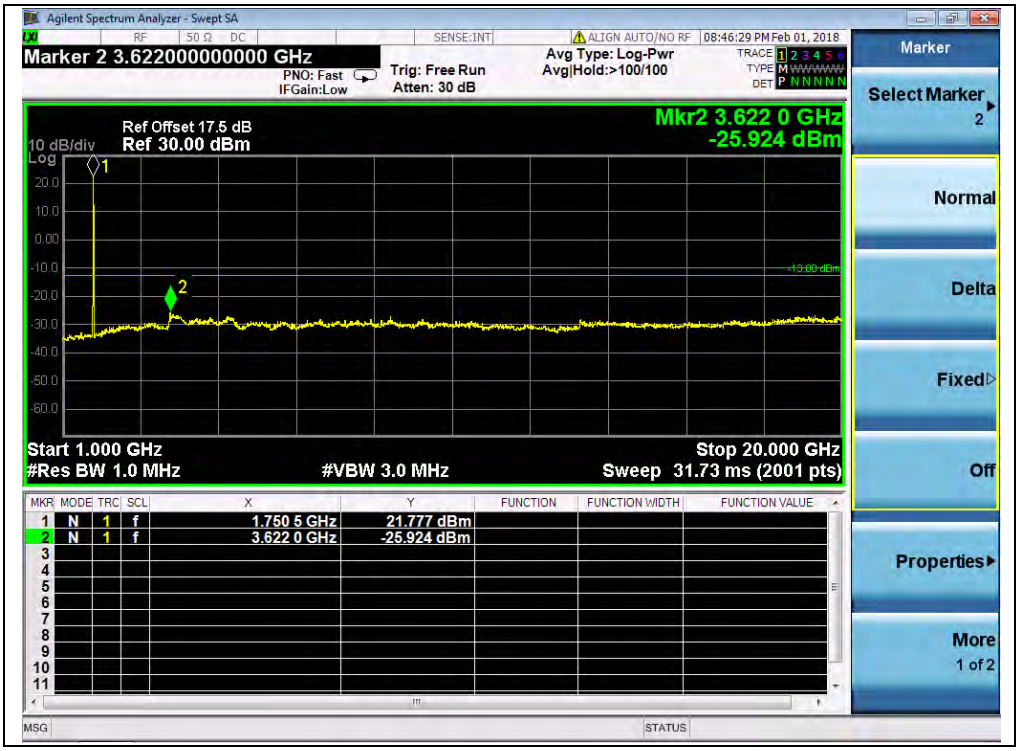

(Plot Q2, HSPA+ 1700MHz, Channel = 1412, 30MHz to 1GHz)



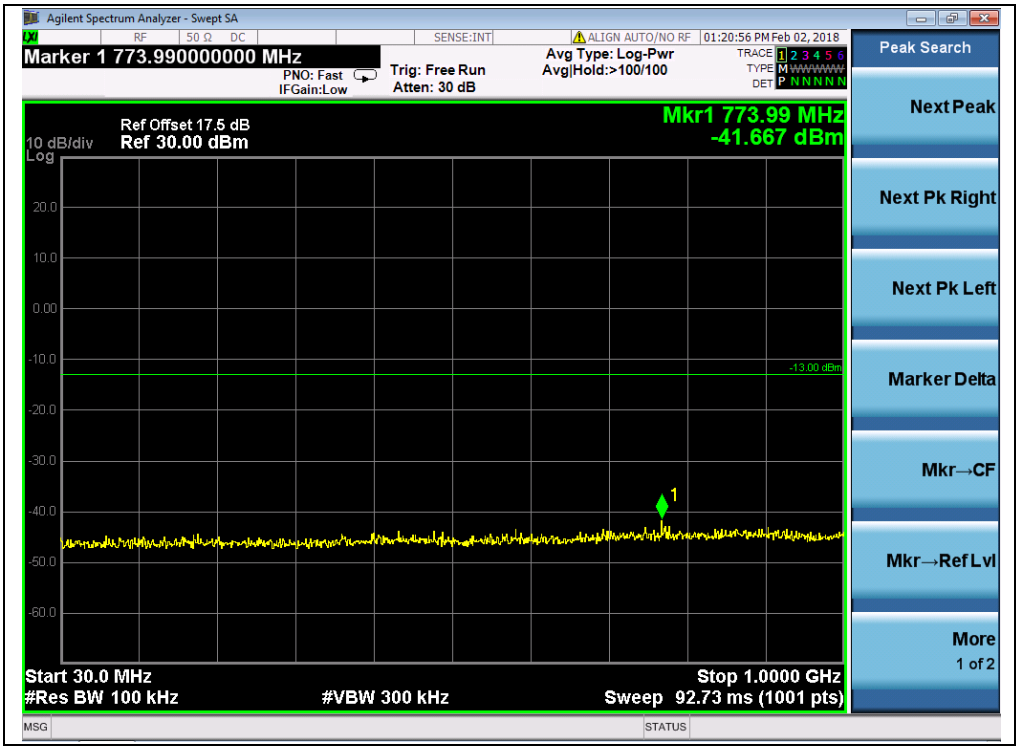

(Plot Q2.1, HSPA+1700MHz, Channel = 1412, 1GHz to 20GHz)



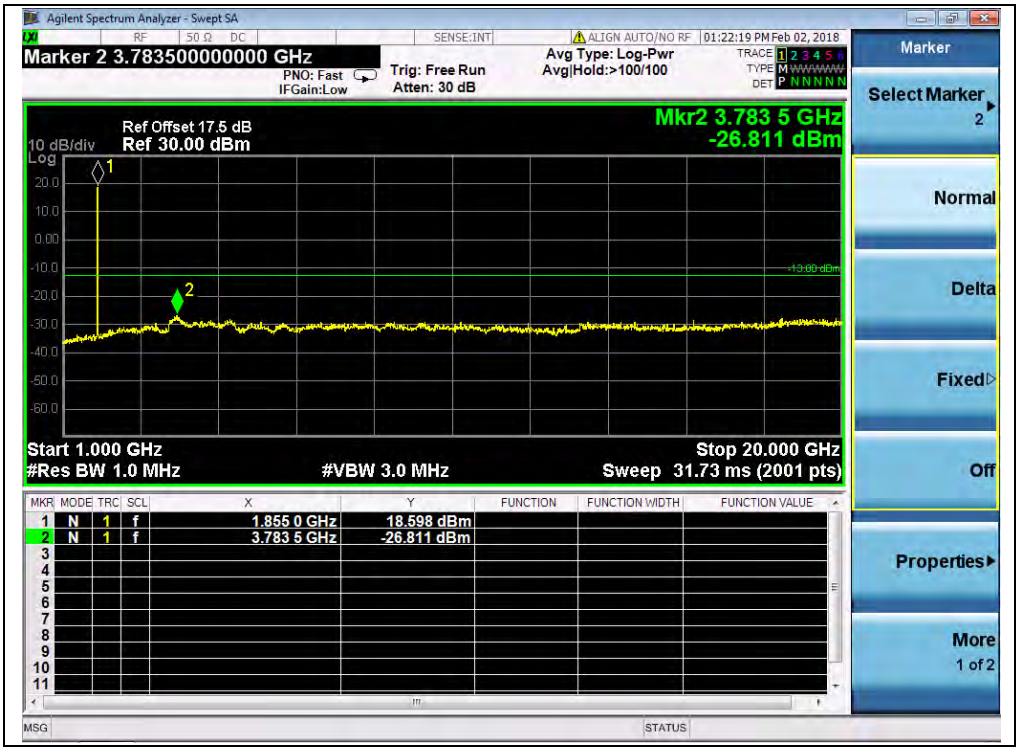

(Plot Q3, HSPA+1700MHz, Channel = 1513, 30MHz to 1GHz)



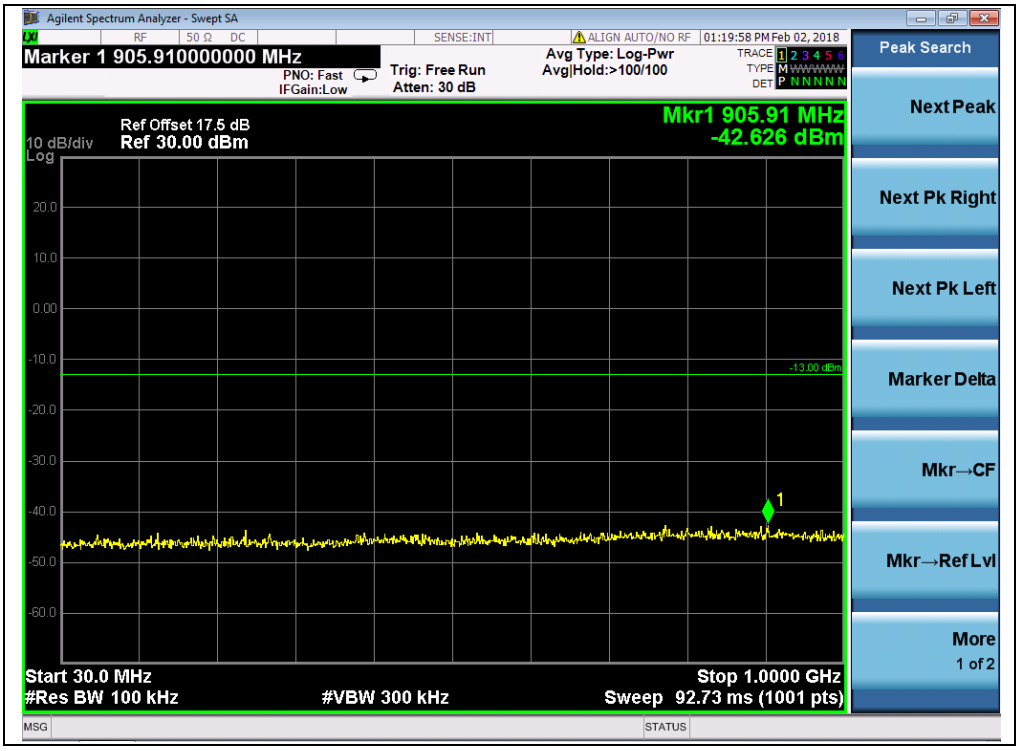

(Plot Q3.1, HSPA+1700MHz, Channel = 1513, 1GHz to 20GHz)



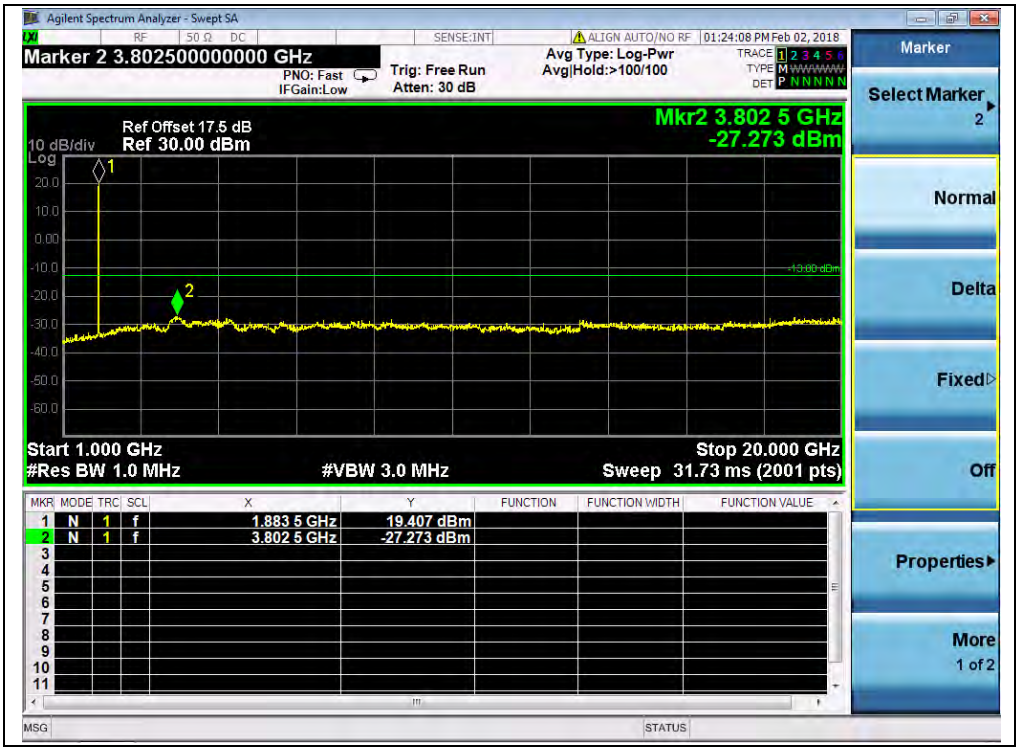

(Plot R1, HSPA+ 1900MHz, Channel = 9262, 30MHz to 1GHz)



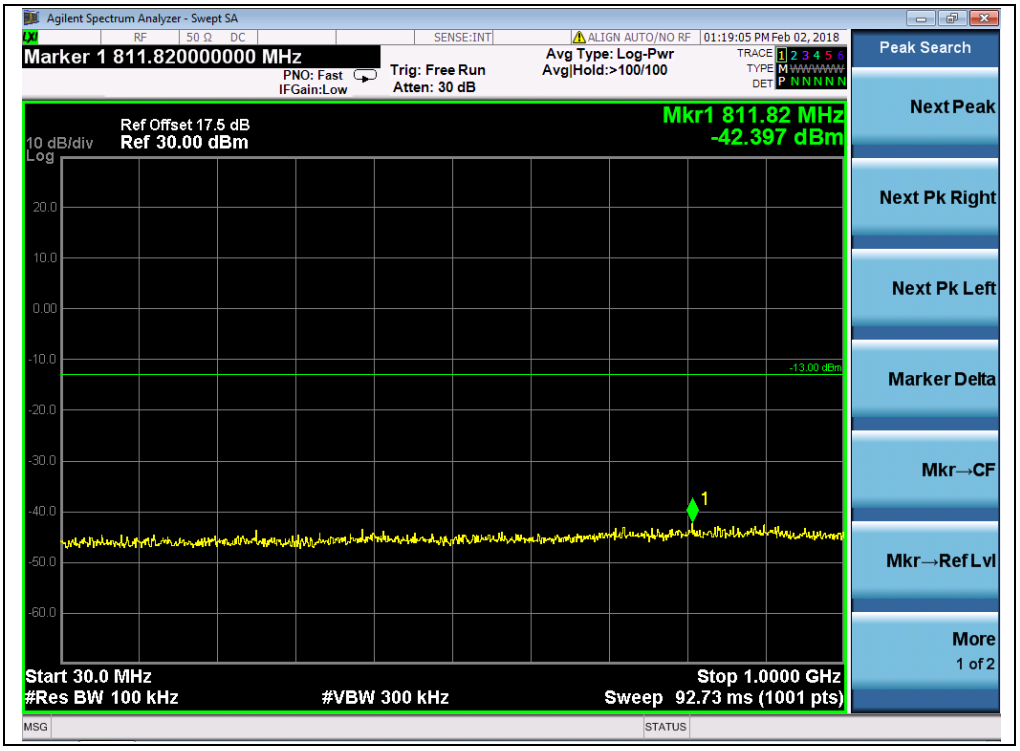

(Plot R1.1, HSPA+ 1900MHz, Channel = 9262, 1GHz to 20GHz)



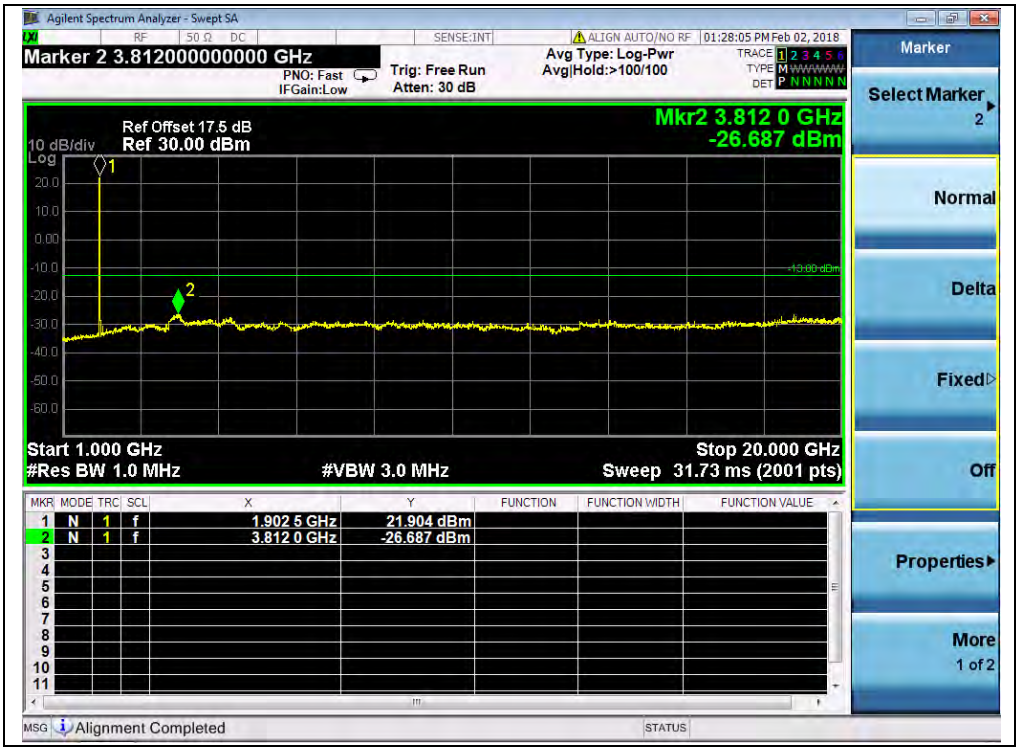

(Plot R2, HSPA+ 1900MHz, Channel = 9400, 30MHz to 1GHz)




(Plot R2.1, HSPA+1900MHz, Channel = 9400, 1GHz to 20GHz)




(Plot R3, HSPA+1900MHz, Channel = 9538, 30MHz to 1GHz)




(Plot R3.1, HSPA+1900MHz, Channel = 9538 1GHz to 20GHz)

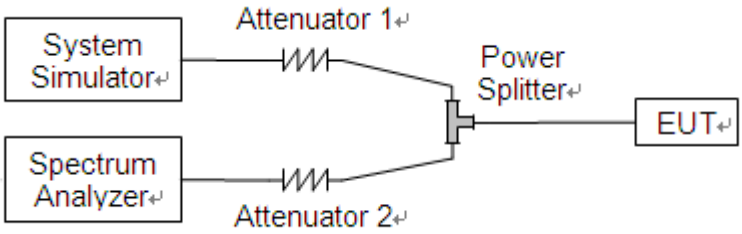
# 2.6. Band Edge

## 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

Test Setup:




The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

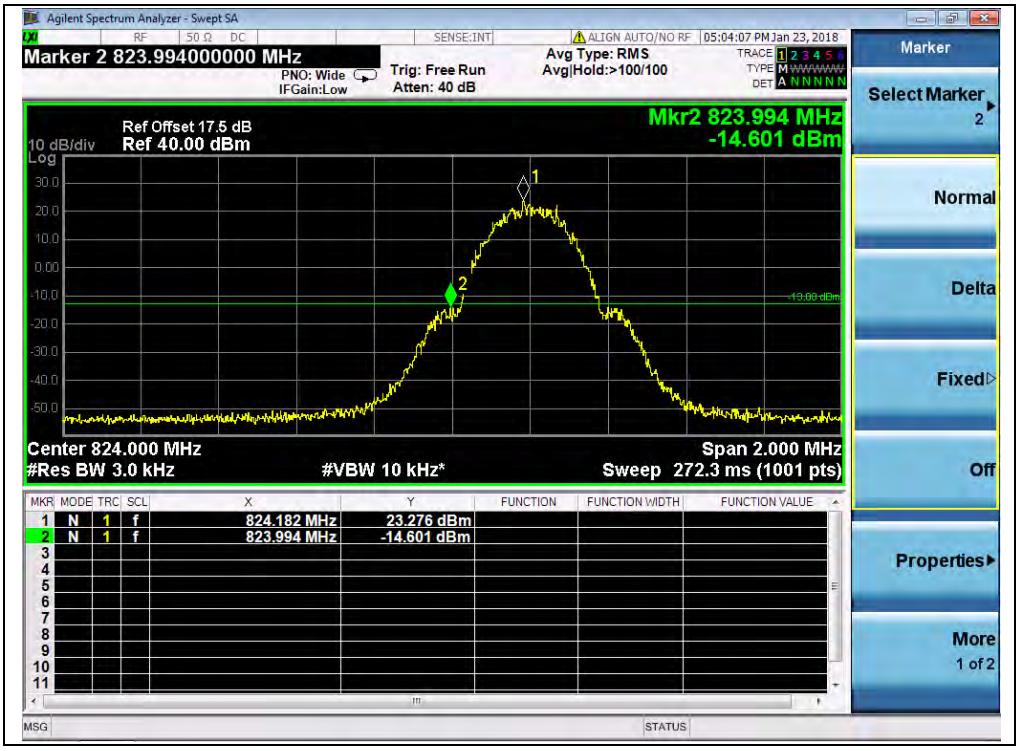
### 2.6.3. Test Result

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

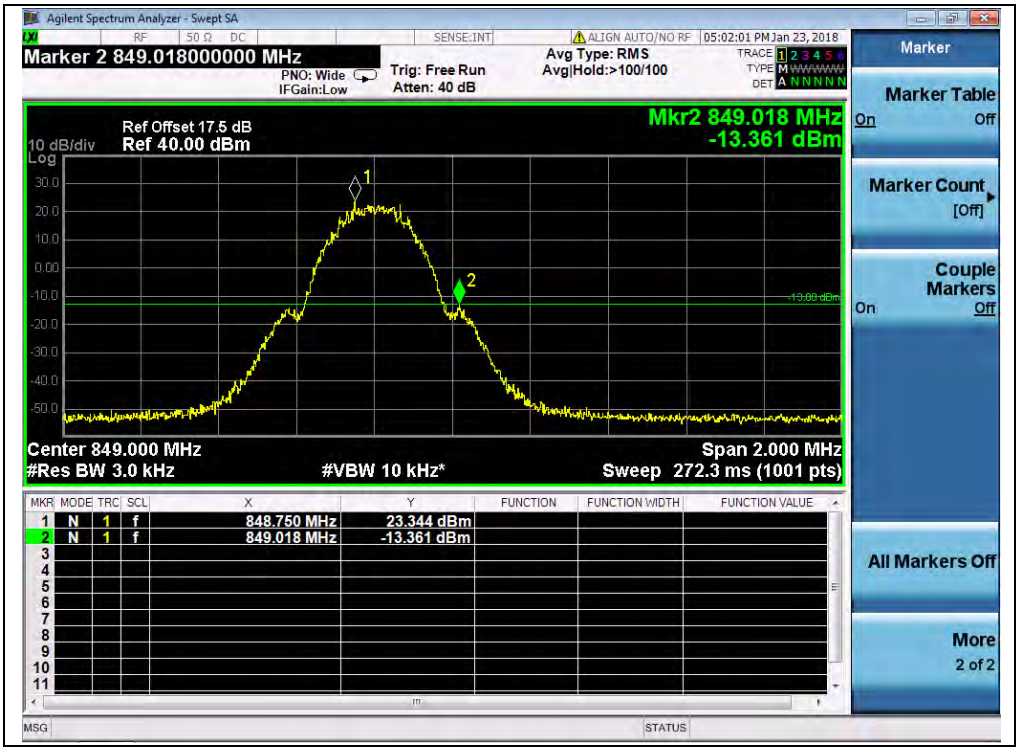
**A. Test Verdict:**

| Band | Channel | Frequency (MHz) | Measured Max. Band Edge Emission (dBm) | Refer to Plot | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850MHz | 128 | 824.2 | -14.60 | Plat A1 | -13 | PASS |
| | 251 | 848.8 | -13.36 | Plot A2 | | PASS |
| GSM 1900MHz | 512 | 1850.2 | -17.58 | Plat B1 | -13 | PASS |
| | 810 | 1909.8 | -17.07 | Plot B2 | | PASS |
| EGPRS 850MHz | 128 | 824.2 | -23.20 | Plat C1 | -13 | PASS |
| | 251 | 848.8 | -23.07 | Plot C2 | | PASS |
| EGPRS 1900MHz | 512 | 1850.2 | -23.92 | Plat D1 | -13 | PASS |
| | 810 | 1909.8 | -25.59 | Plot D2 | | PASS |

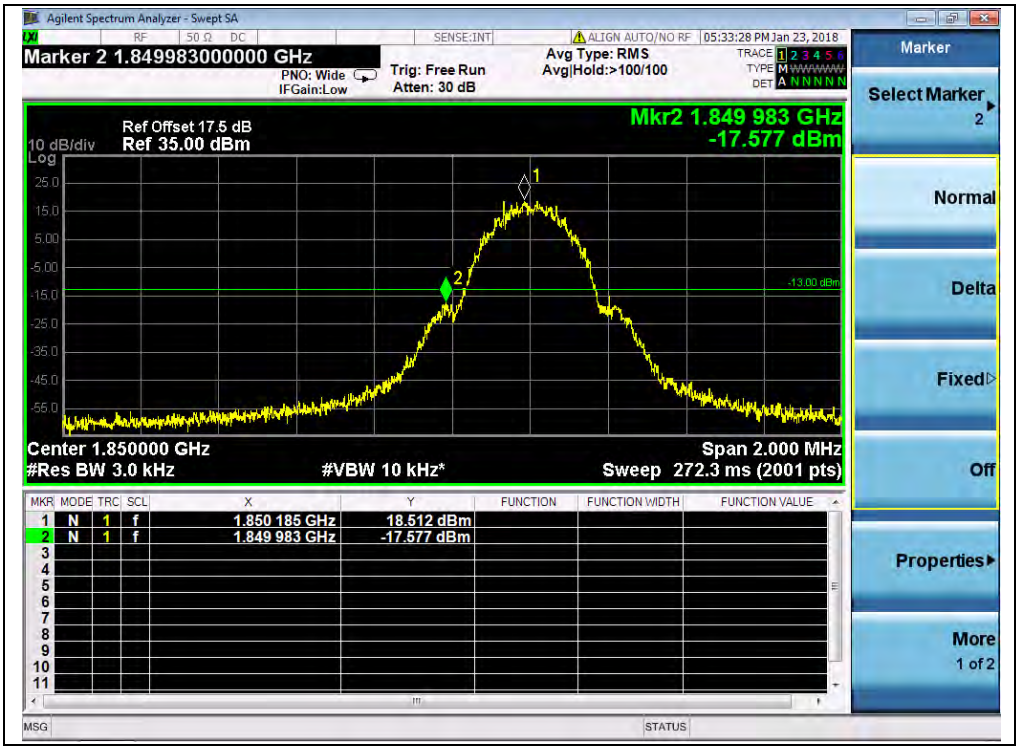
**B. Test Plots:**



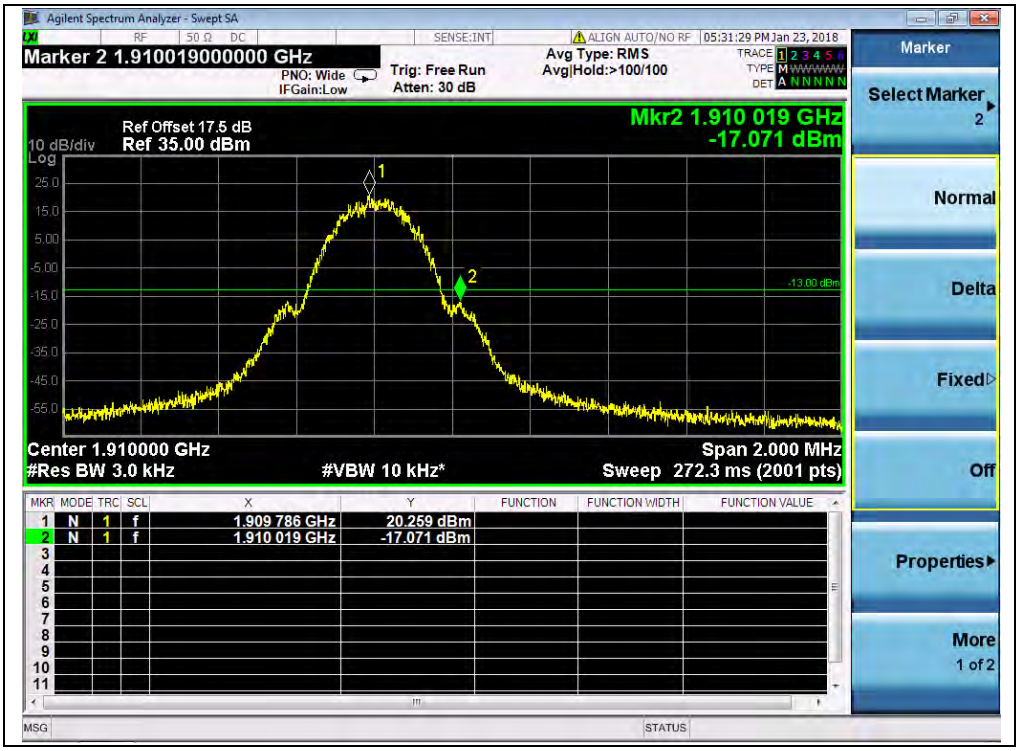

(Plot A1, GSM 850, Channel = 128)



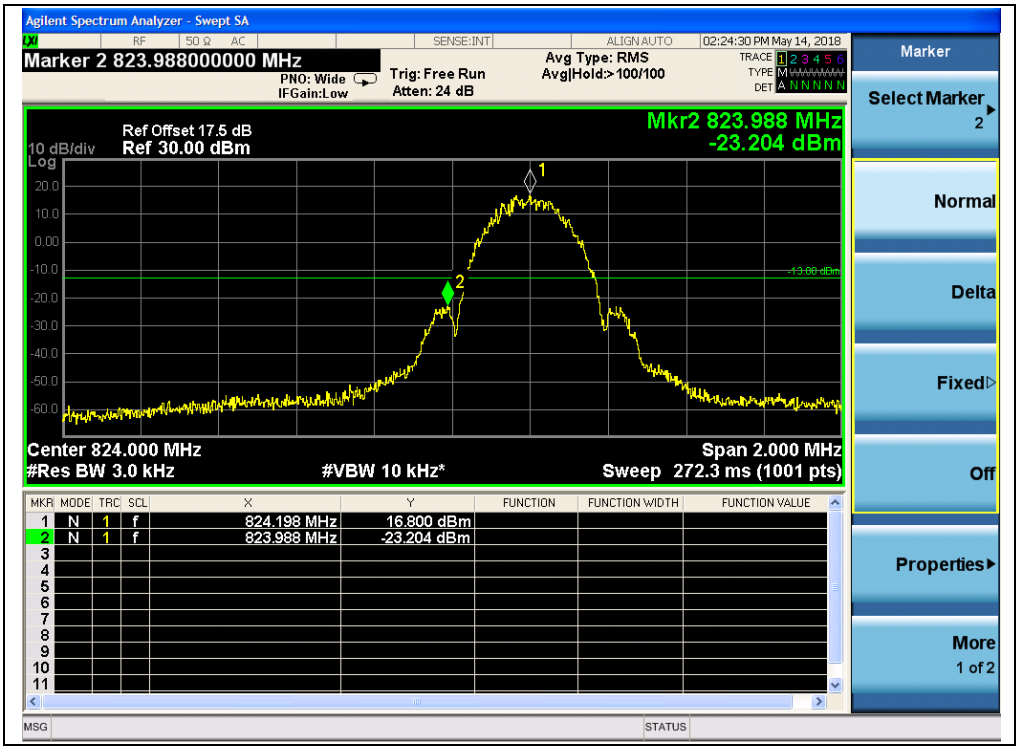

(Plot A2, GSM 850, Channel = 251)



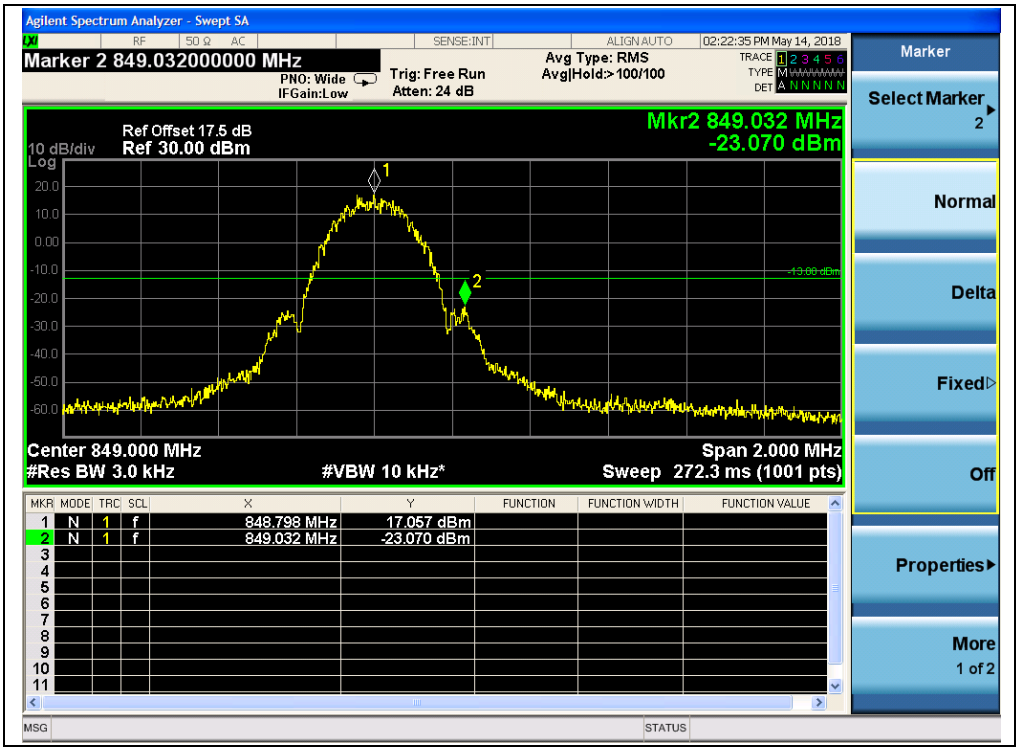

(Plot B1, GSM 1900, Channel = 512)



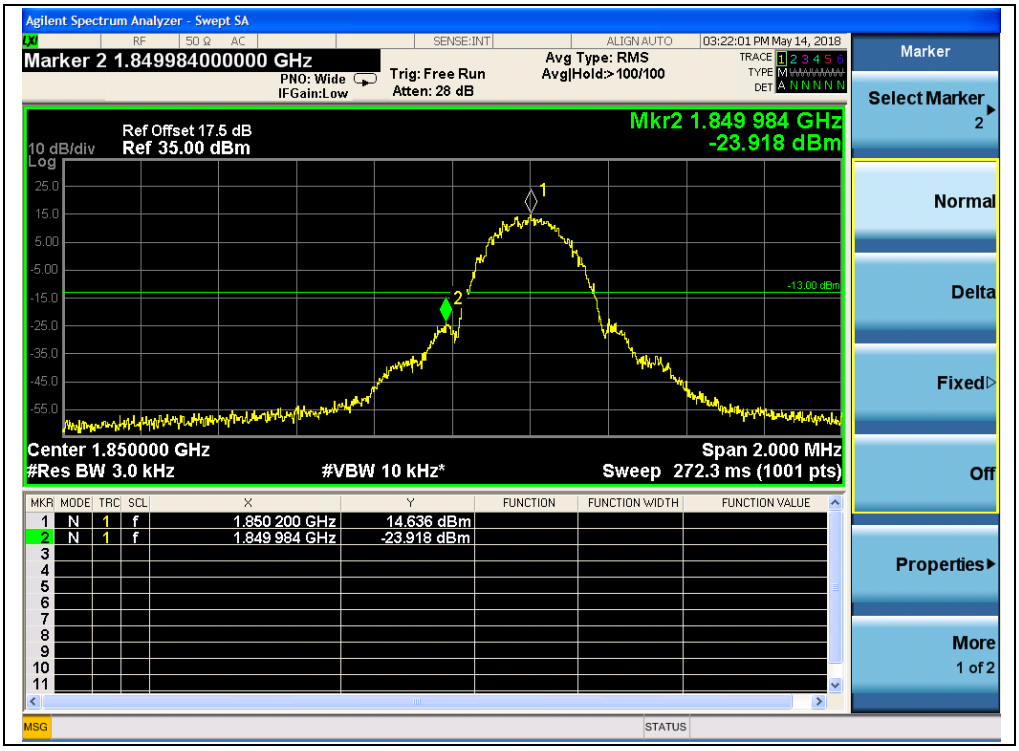

(Plot B2, GSM 1900, Channel = 810)



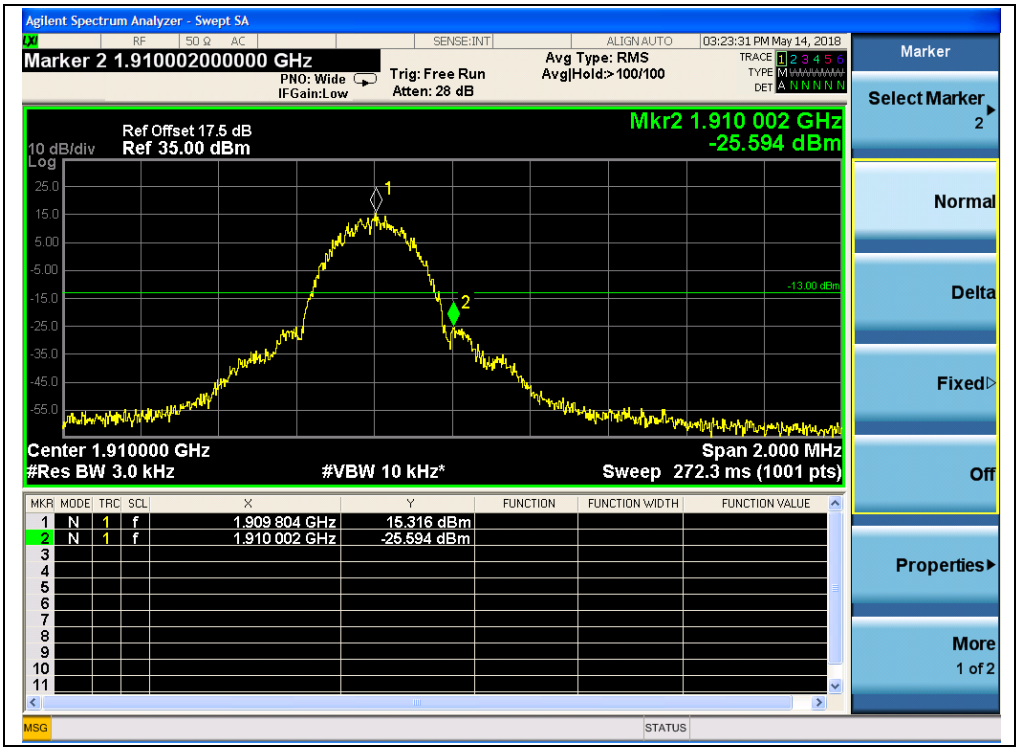

(Plot C1, EGPRS 850, Channel = 128)




(Plot C2, EGPRS 850, Channel = 251)




(Plot D1, EGPRS 1900, Channel = 512)

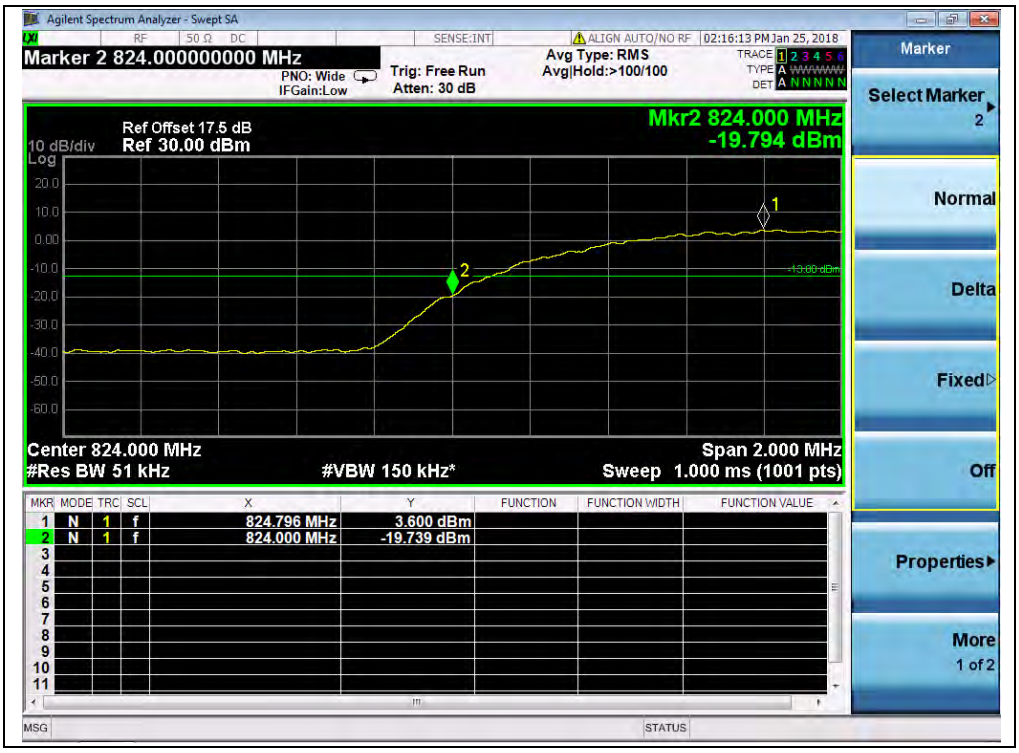



(Plot D2, EGPRS 1900, Channel = 810)

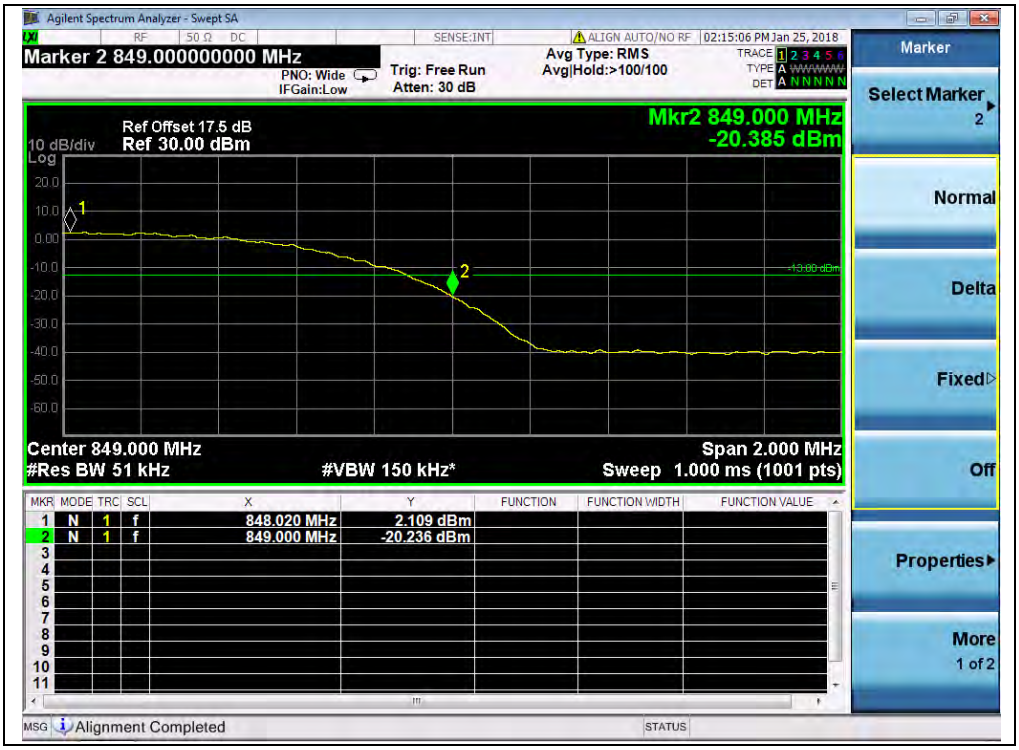
**WCDMA Test Verdict**

| Band | Channel | Frequency (MHz) | Measured Max. Band Edge Emission (dBm) | Refer to Plot | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| WCDMA 850MHz | 4132 | 826.4 | -19.79 | Plat E1 | -13 | PASS |
| | 4233 | 846.6 | -20.39 | Plot E2 | | PASS |
| WCDMA 1700MHz | 1312 | 1712.4 | -14.46 | Plat F1 | -13 | PASS |
| | 1513 | 1752.6 | -15.25 | Plot F2 | | PASS |
| WCDMA 1900MHz | 9262 | 1852.4 | -19.03 | Plat G1 | -13 | PASS |
| | 9538 | 1907.6 | -18.50 | Plot G2 | | PASS |
| HSDPA 850MHz | 4132 | 826.4 | -19.52 | Plat H1 | -13 | PASS |
| | 4233 | 846.6 | -19.52 | Plot H2 | | PASS |
| HSDPA 1700MHz | 1312 | 1712.4 | -14.25 | Plat I1 | -13 | PASS |
| | 1513 | 1752.6 | -14.86 | Plot I2 | | PASS |
| HSDPA 1900MHz | 9262 | 1852.4 | -17.80 | Plat J1 | -13 | PASS |
| | 9538 | 1907.6 | -18.47 | Plot J2 | | PASS |
| HSUPA 850MHz | 4132 | 826.4 | -19.58 | Plat K1 | -13 | PASS |
| | 4233 | 846.6 | -20.57 | Plot K2 | | PASS |
| HSUPA 1700MHz | 1312 | 1712.4 | -14.82 | Plat L1 | -13 | PASS |
| | 1513 | 1752.6 | -15.35 | Plot L2 | | PASS |
| HSUPA 1900MHz | 9262 | 1852.4 | -20.10 | Plat M1 | -13 | PASS |
| | 9538 | 1907.6 | -19.63 | Plot M2 | | PASS |
| HSPA+ 850MHz | 4132 | 826.4 | -19.77 | Plat N1 | -13 | PASS |
| | 4233 | 846.6 | -19.80 | Plot N2 | | PASS |
| HSPA+ 1700MHz | 1312 | 1712.4 | -15.56 | Plat O1 | -13 | PASS |
| | 1513 | 1752.6 | -14.81 | Plot O2 | | PASS |
| HSPA+ 1900MHz | 9262 | 1852.4 | -21.10 | Plat P1 | -13 | PASS |
| | 9538 | 1907.6 | -18.23 | Plot P2 | | PASS |

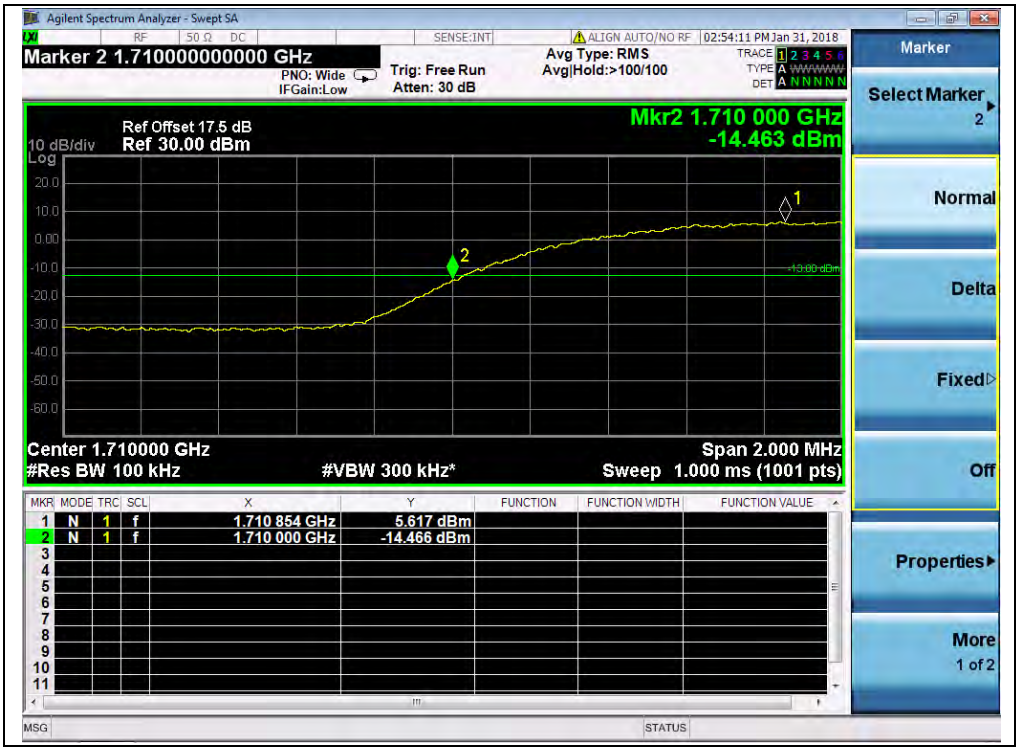
## Test Plot



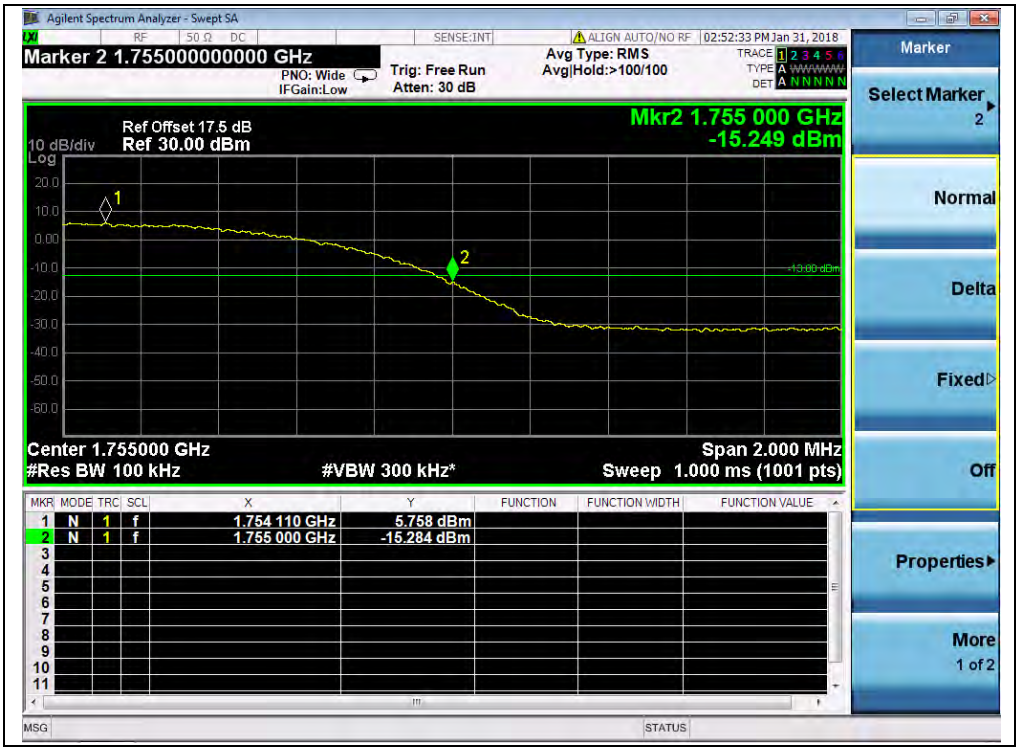

(Plot E1, WCDMA 850, Channel = 4132)



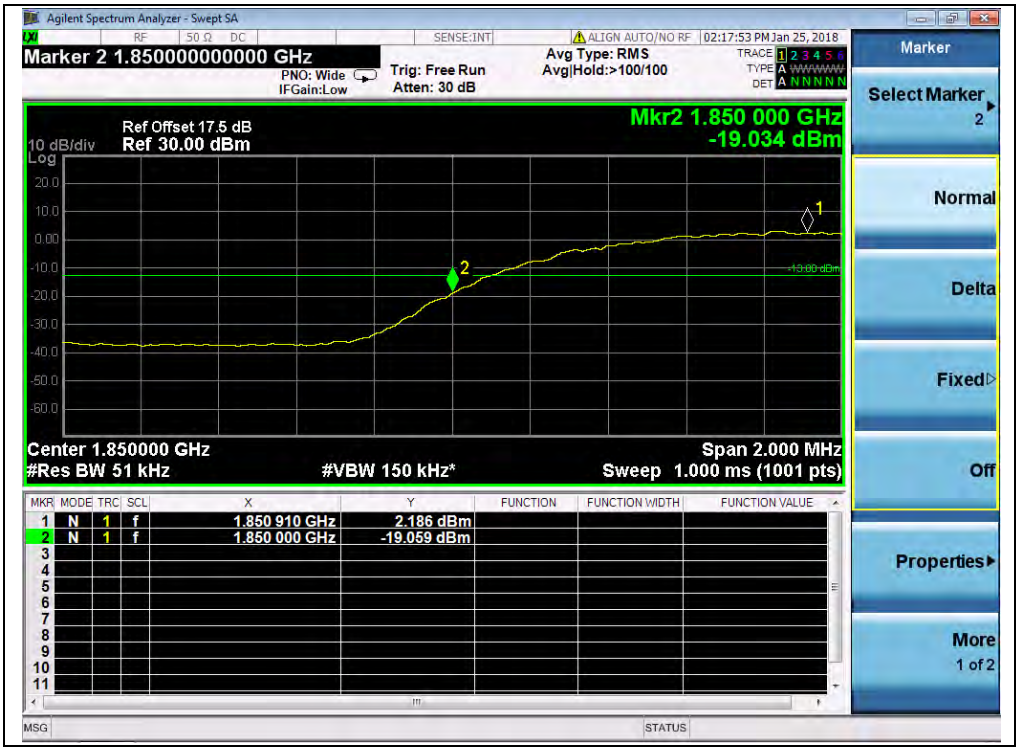

(Plot E2, WCDMA 850, Channel = 4233)



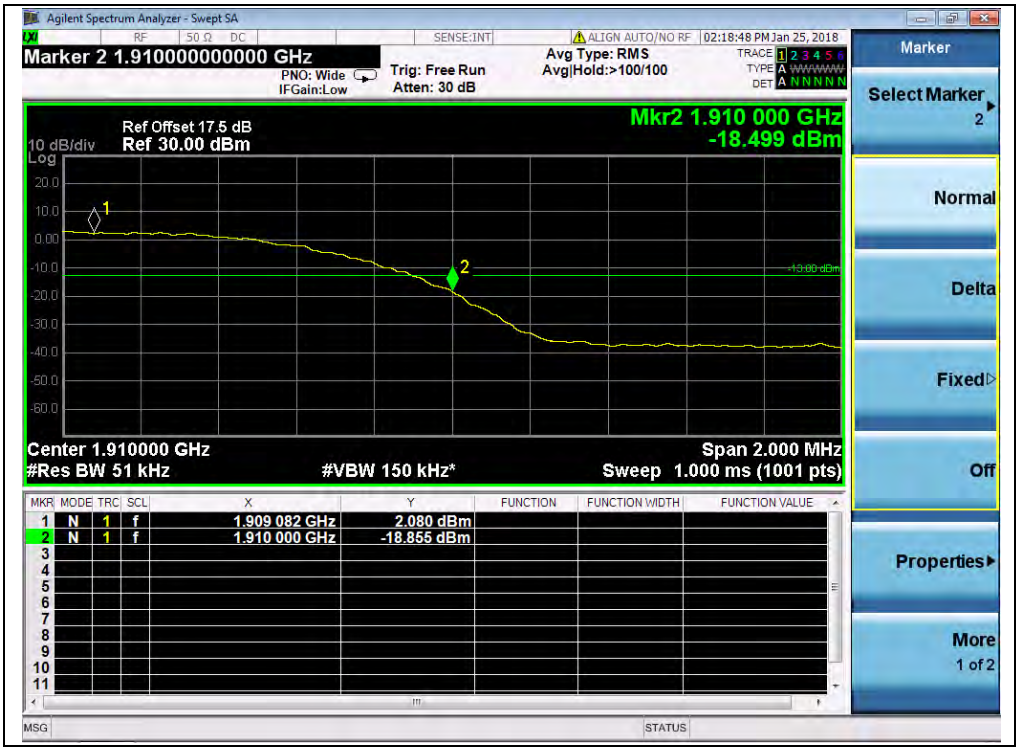

(Plot F1, WCDMA 1700, Channel = 1312)



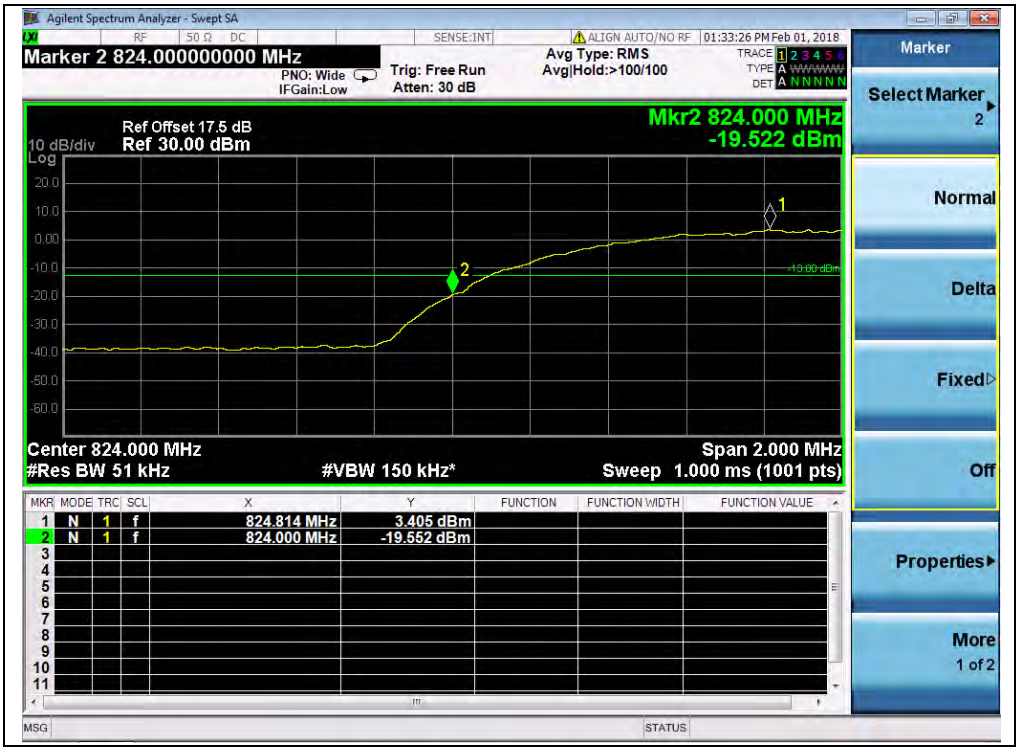

(Plot F2, WCDMA 1700, Channel = 1513)



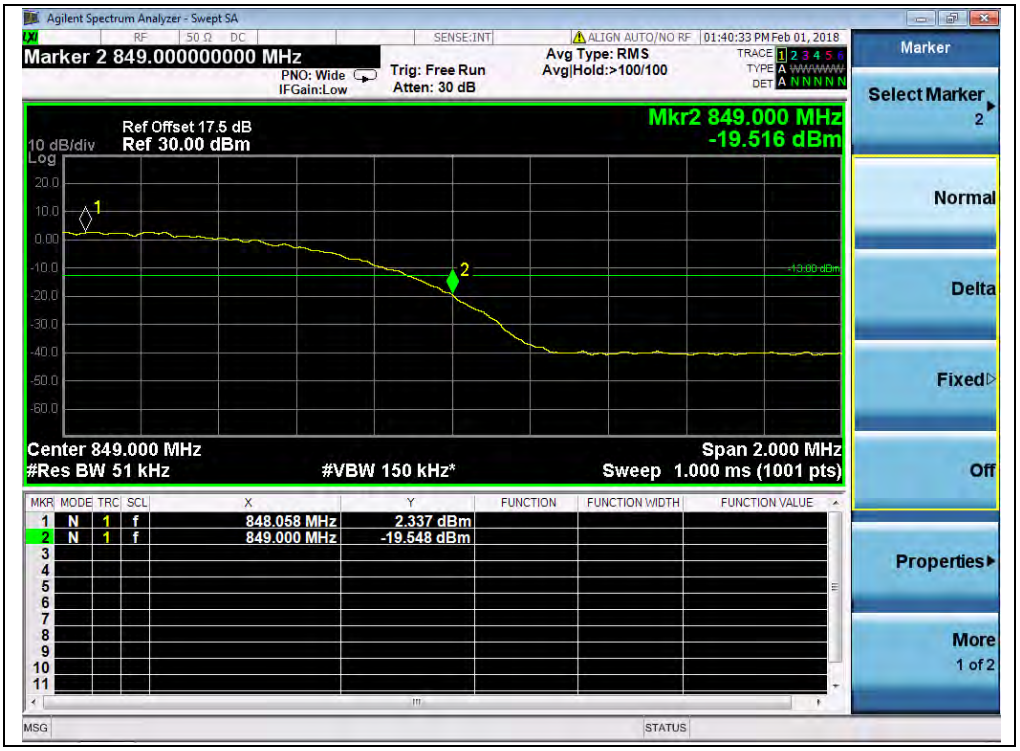

(Plot G1,WCDMA 1900, Channel = 9262)



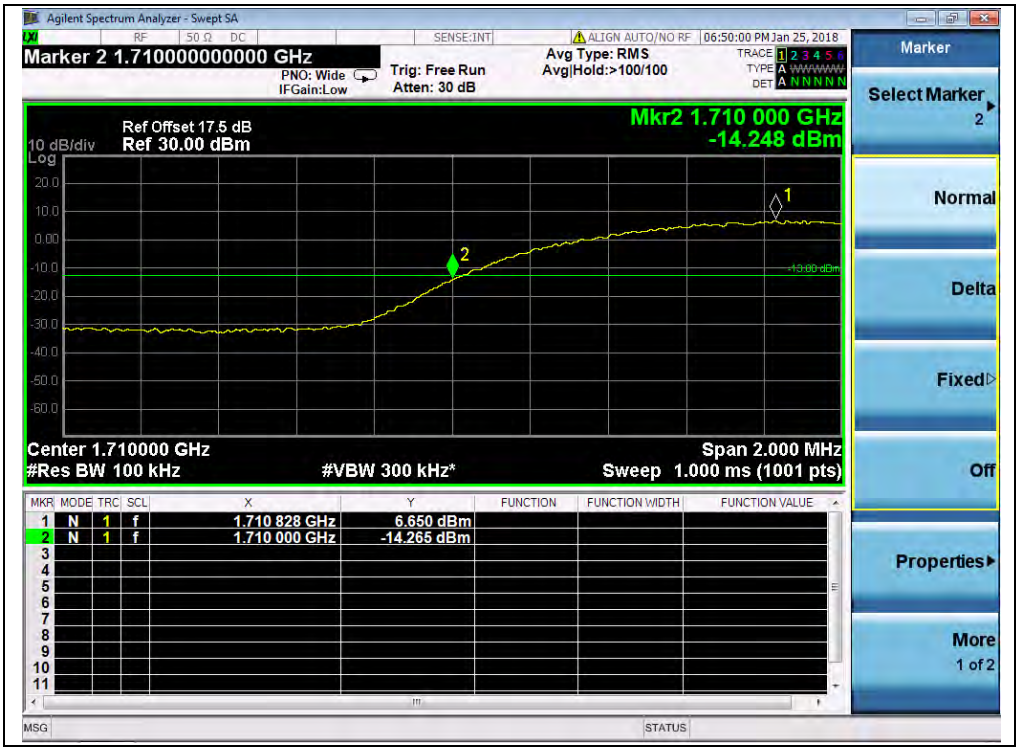

(Plot G2, WCDMA 1900, Channel = 9538)



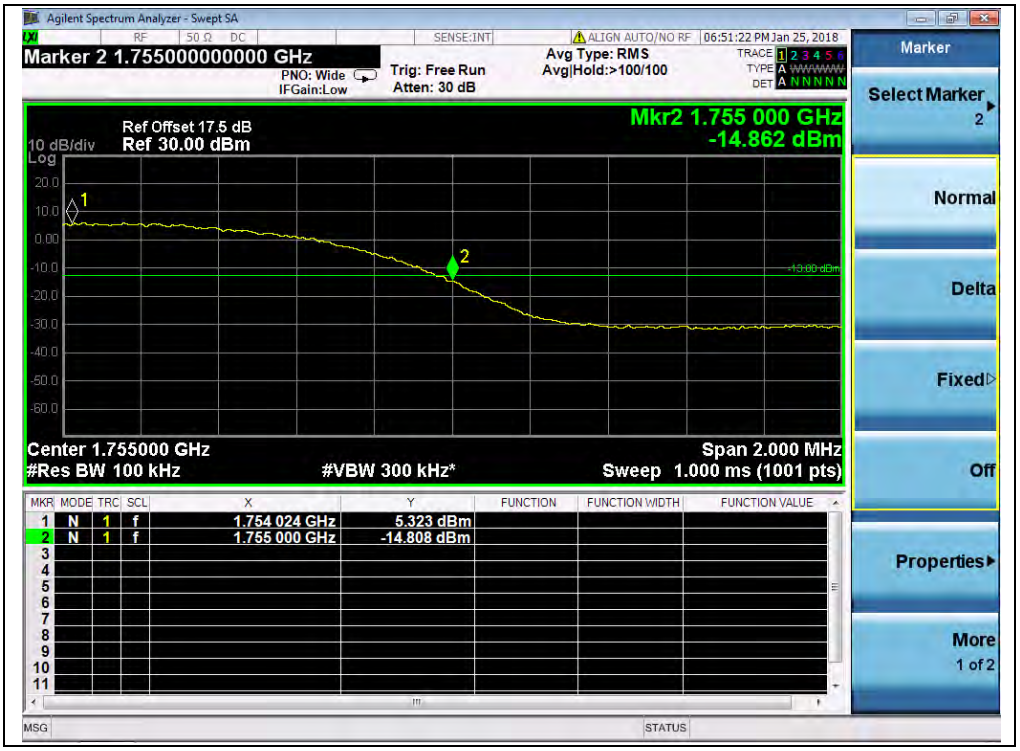

(Plot H1, HSDPA 850, Channel = 4132)



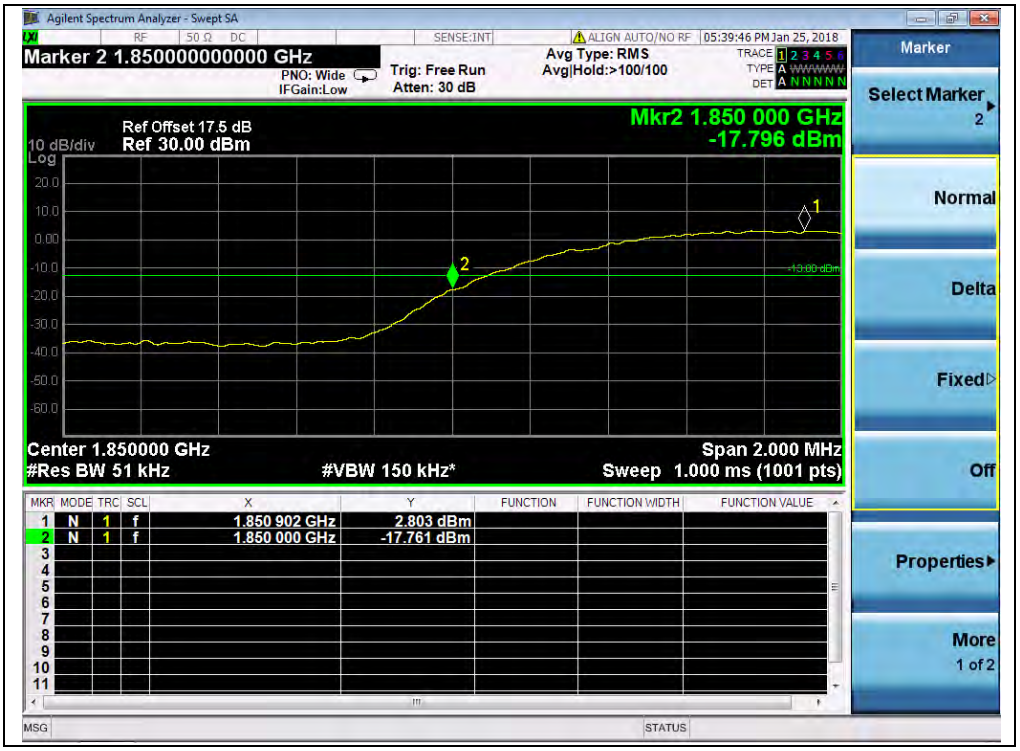

(Plot H2, HSDPA 850, Channel = 4233)



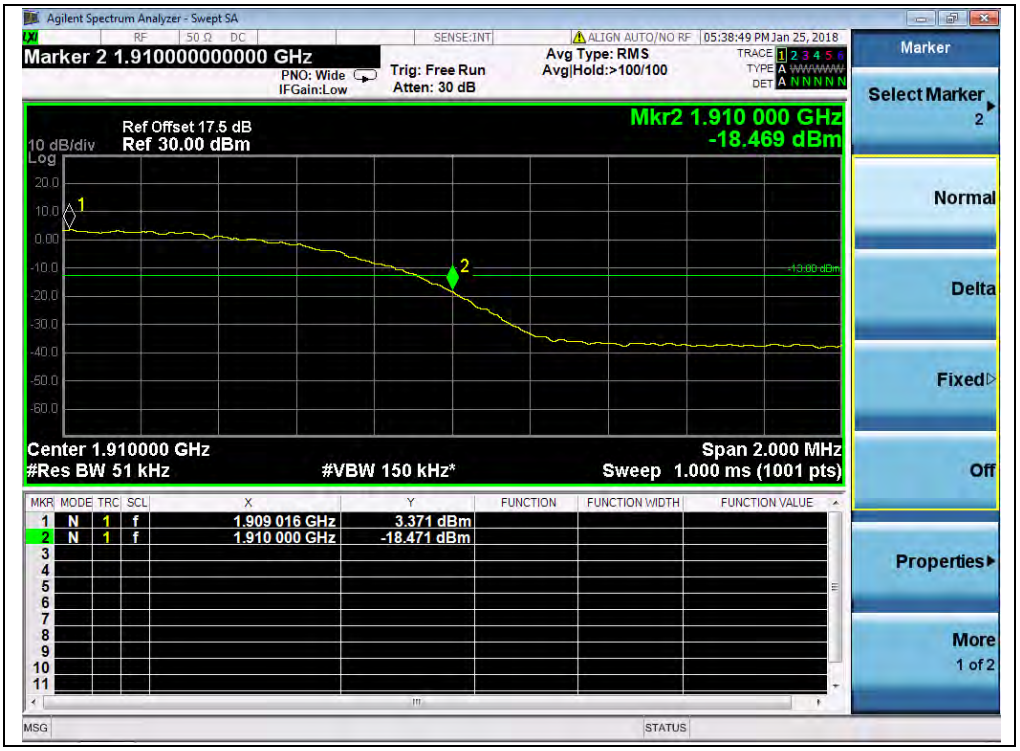

(Plot I1, HSDPA 1700, Channel = 1312)



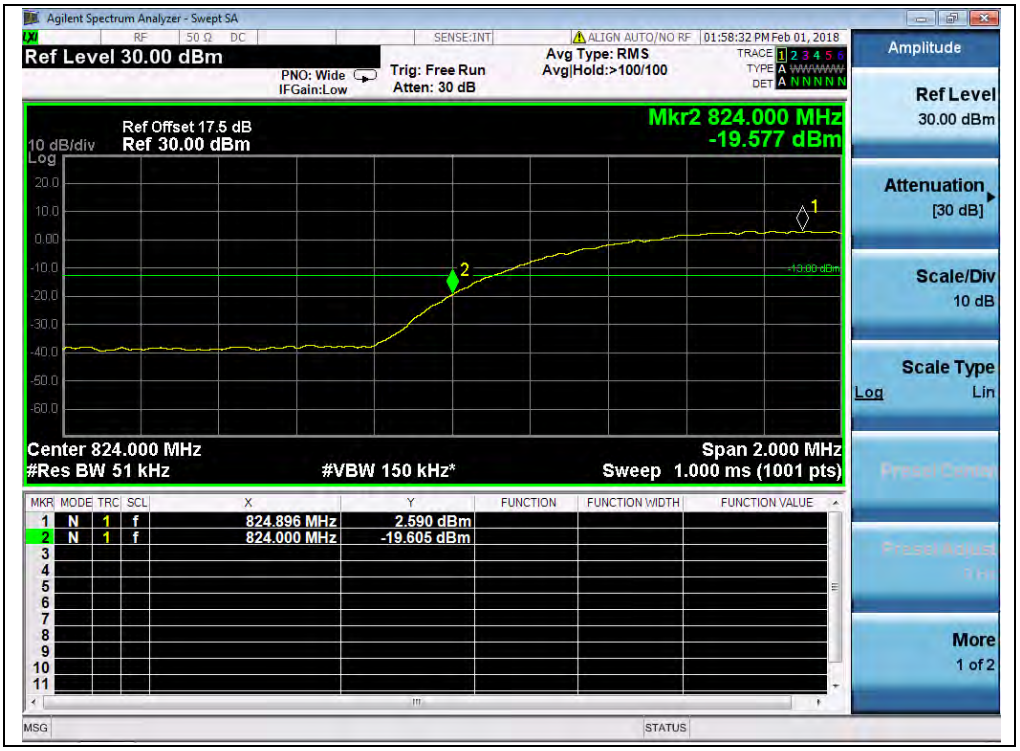

(Plot I2, HSDPA 1700, Channel = 1513)



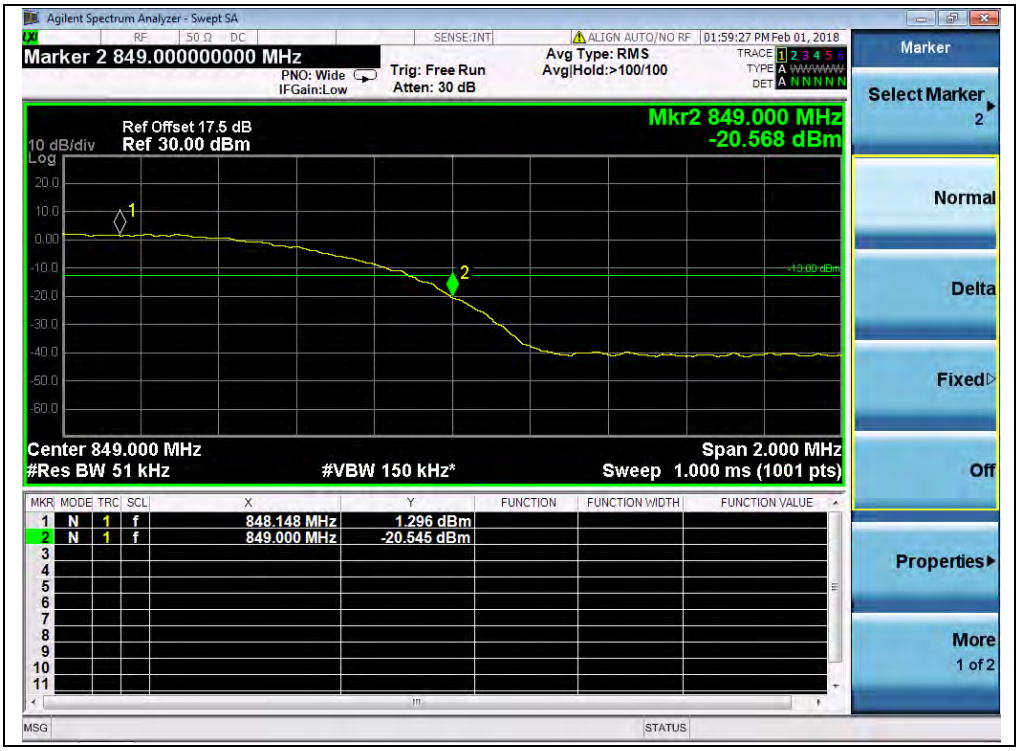

(Plot J1, HSDPA 1900, Channel = 9262)



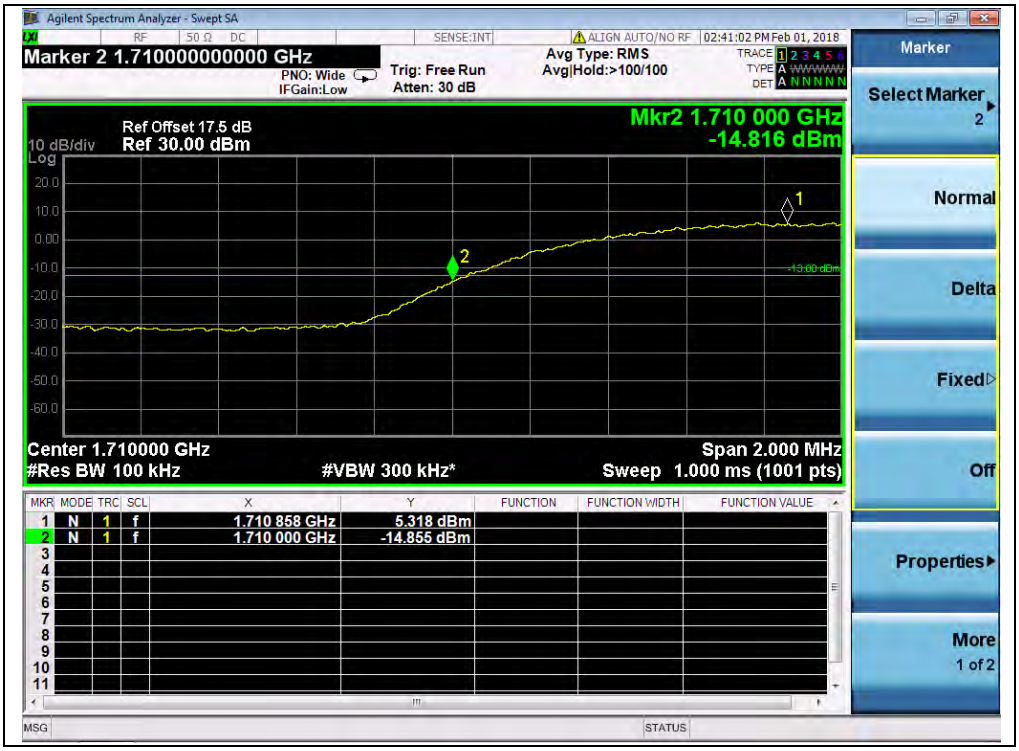

(Plot J2, HSDPA 1900, Channel = 9538)



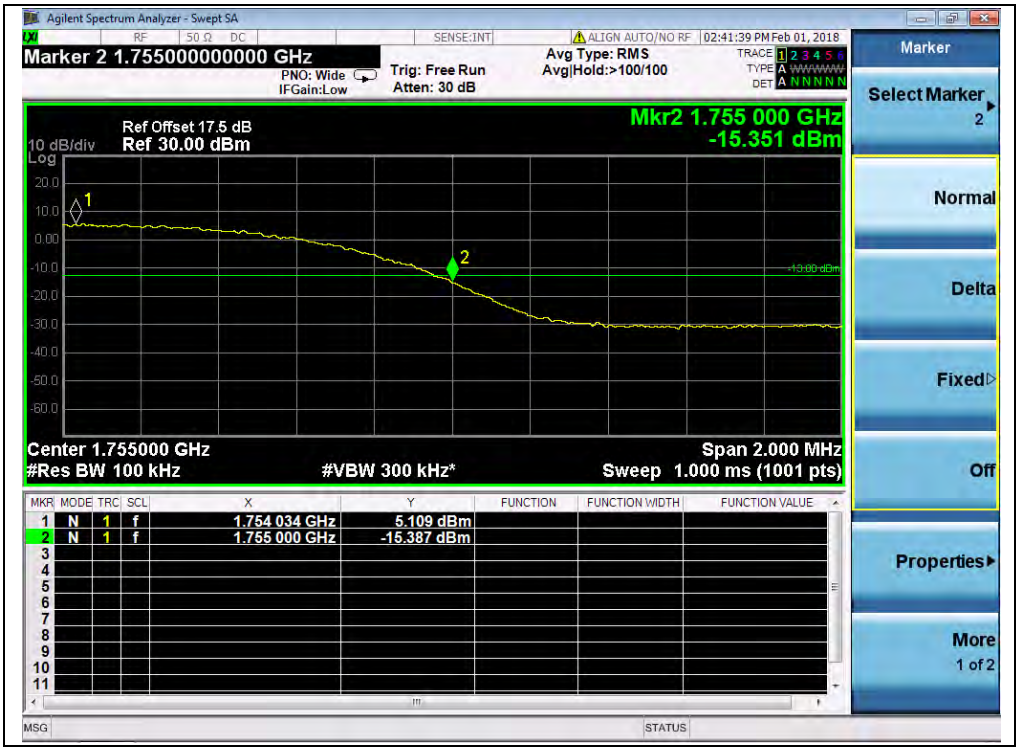

(Plot K1, HSUPA 850, Channel = 4132)



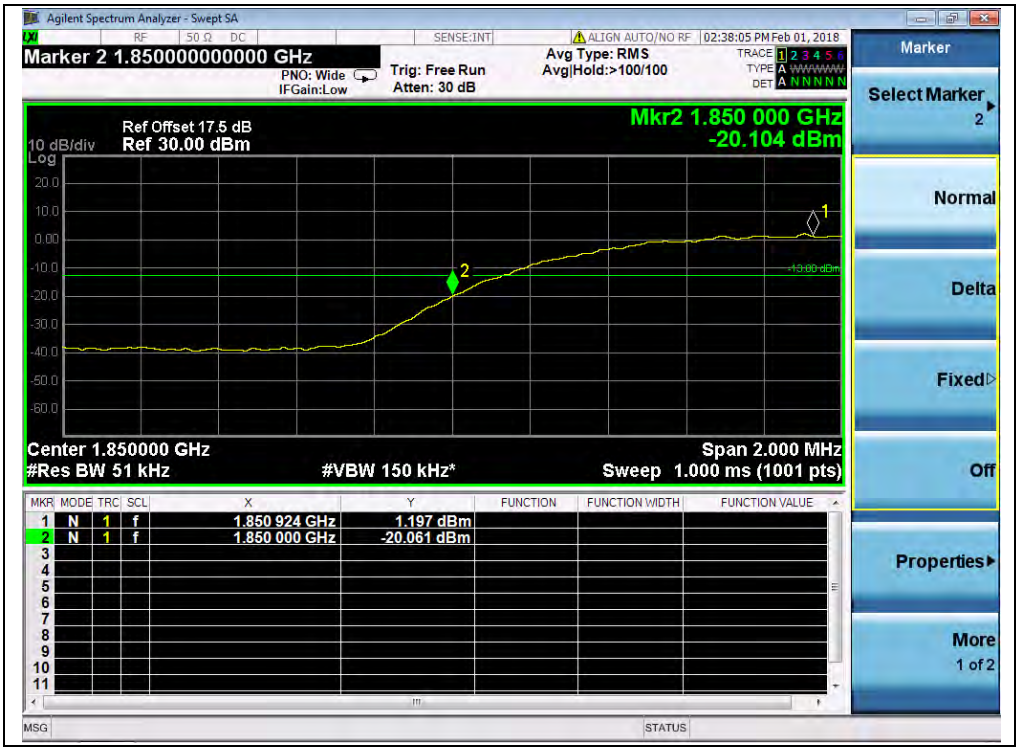

(Plot K2, HSUPA 850, Channel = 4233)



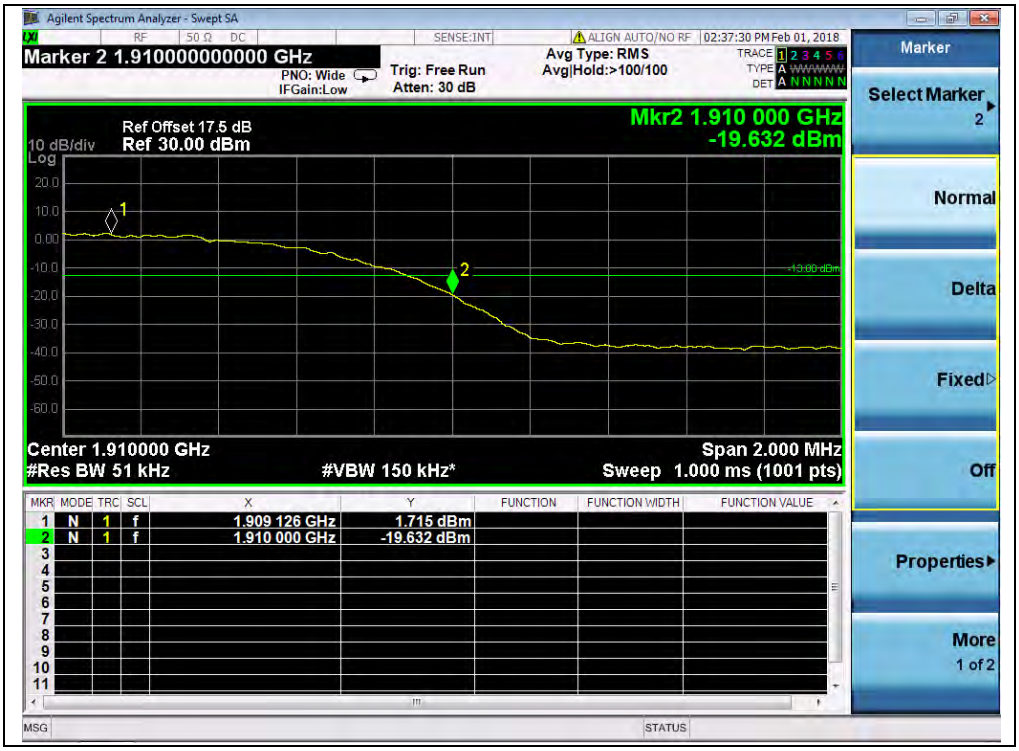

(Plot L1, HSUPA 1700, Channel = 1312)



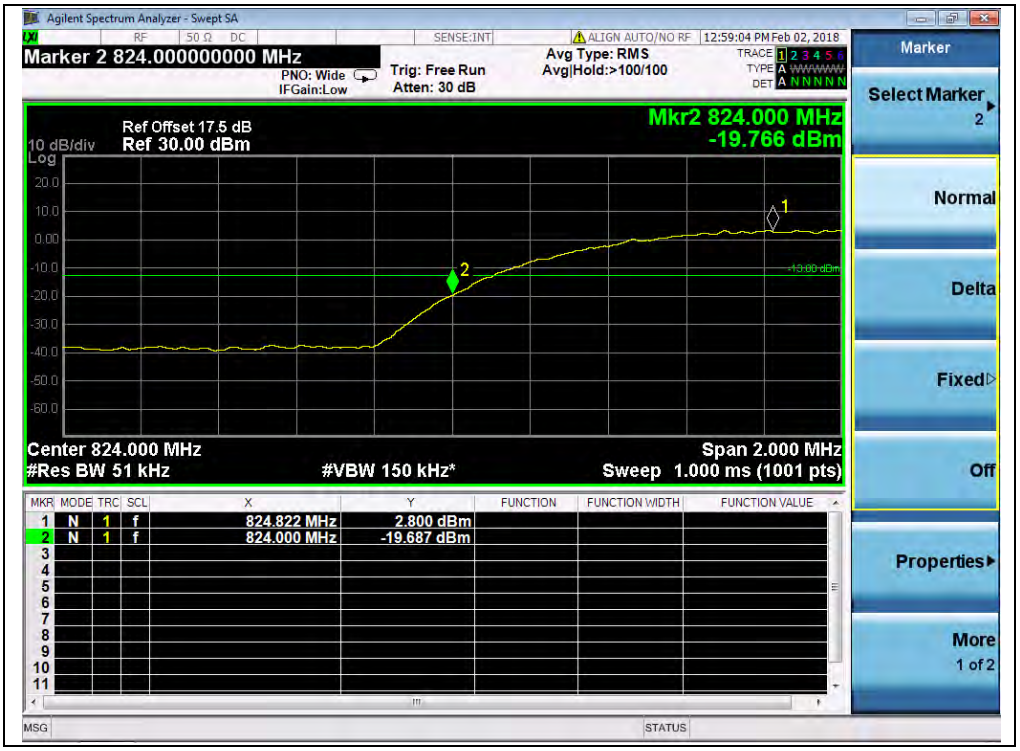

(Plot L2, HSUPA 1700, Channel = 1513)



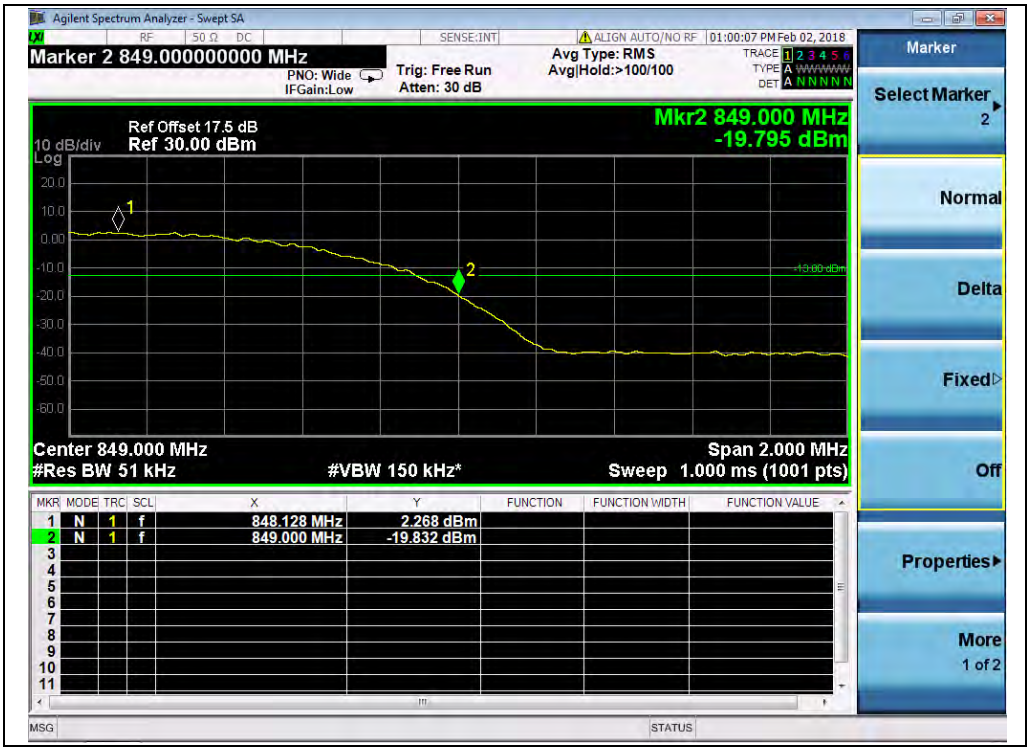

(Plot M1, HSUPA 1900, Channel = 9262)



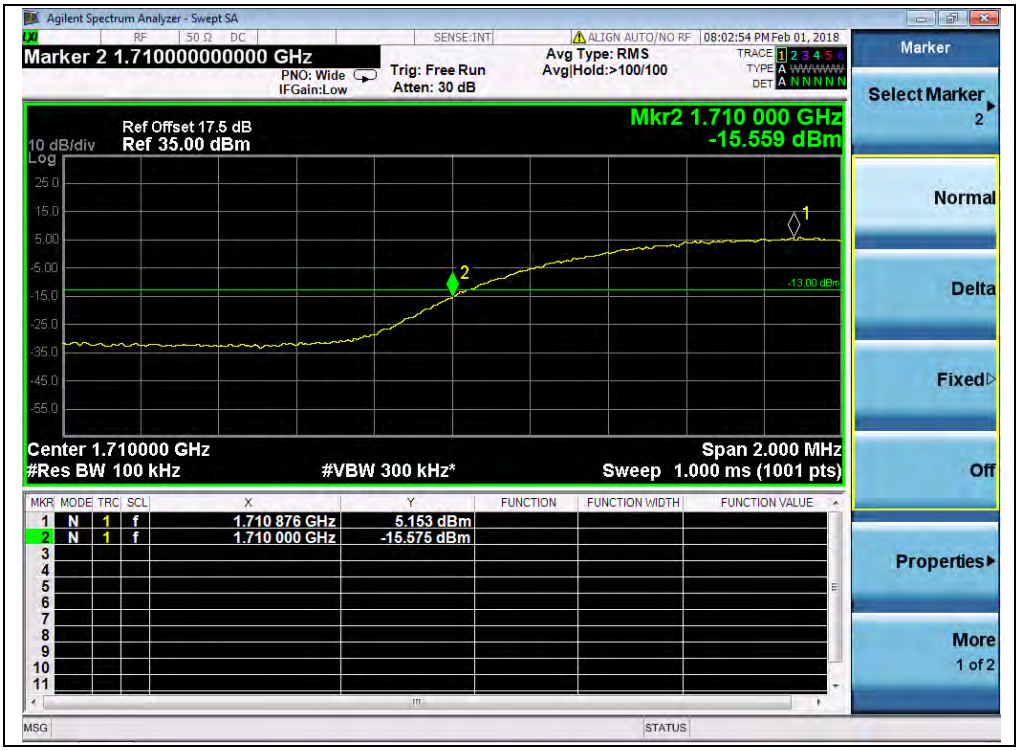

(Plot M2, HSUPA 1900, Channel = 9538)



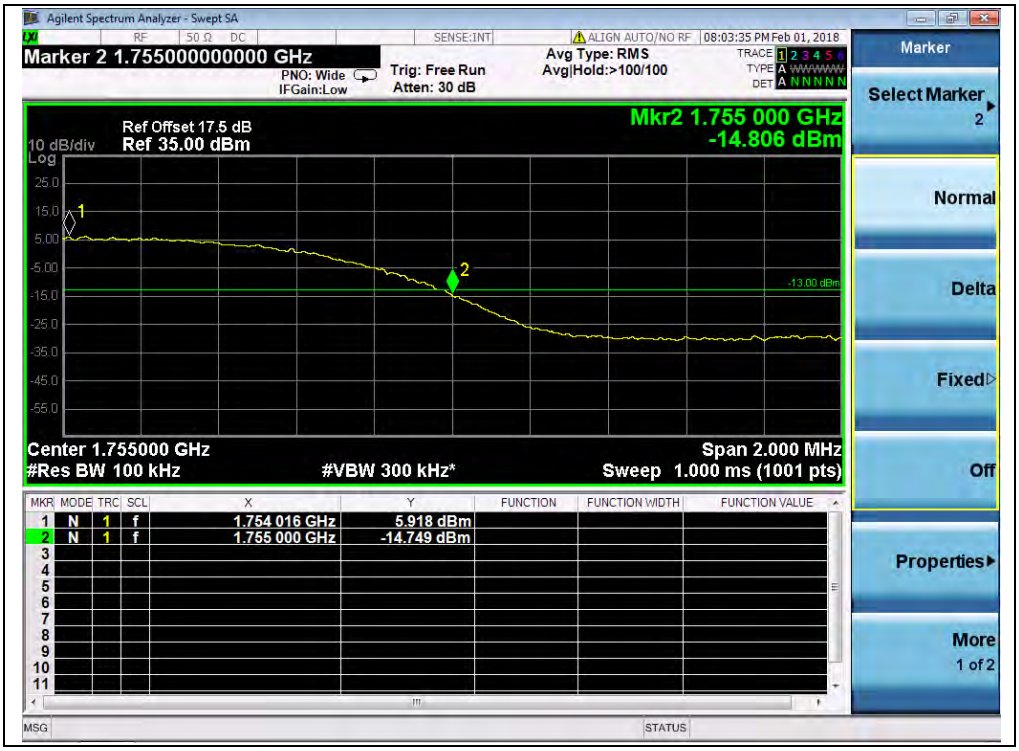

(Plot N1, HSPA+ 850, Channel = 4132)



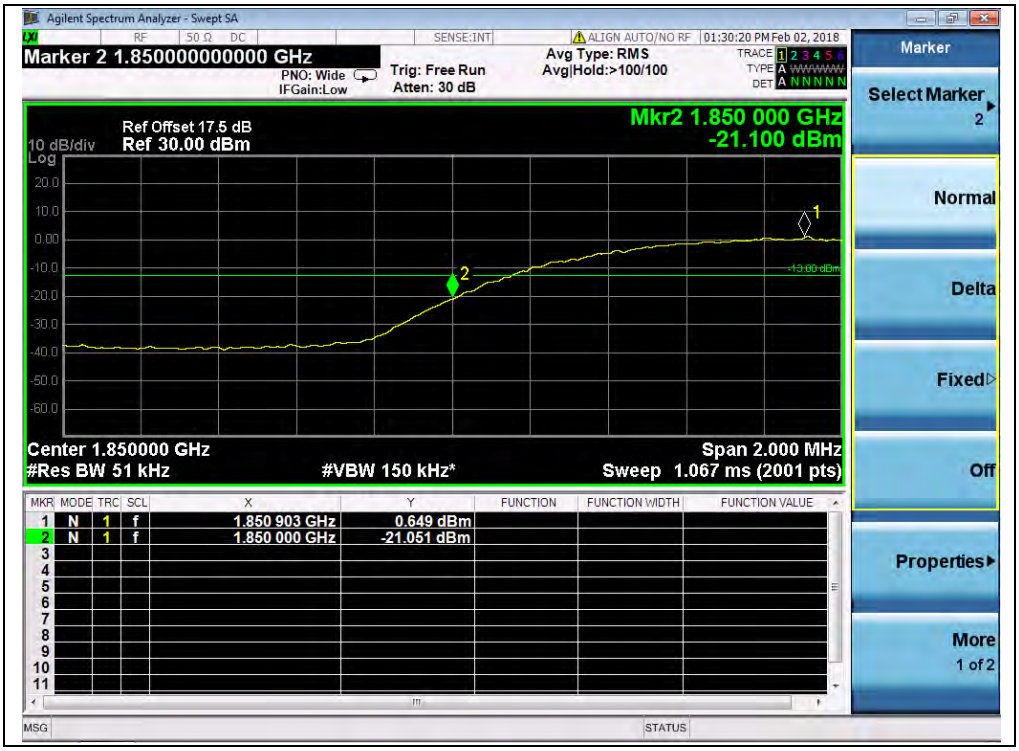

(Plot N2, HSPA+ 850, Channel = 4233)



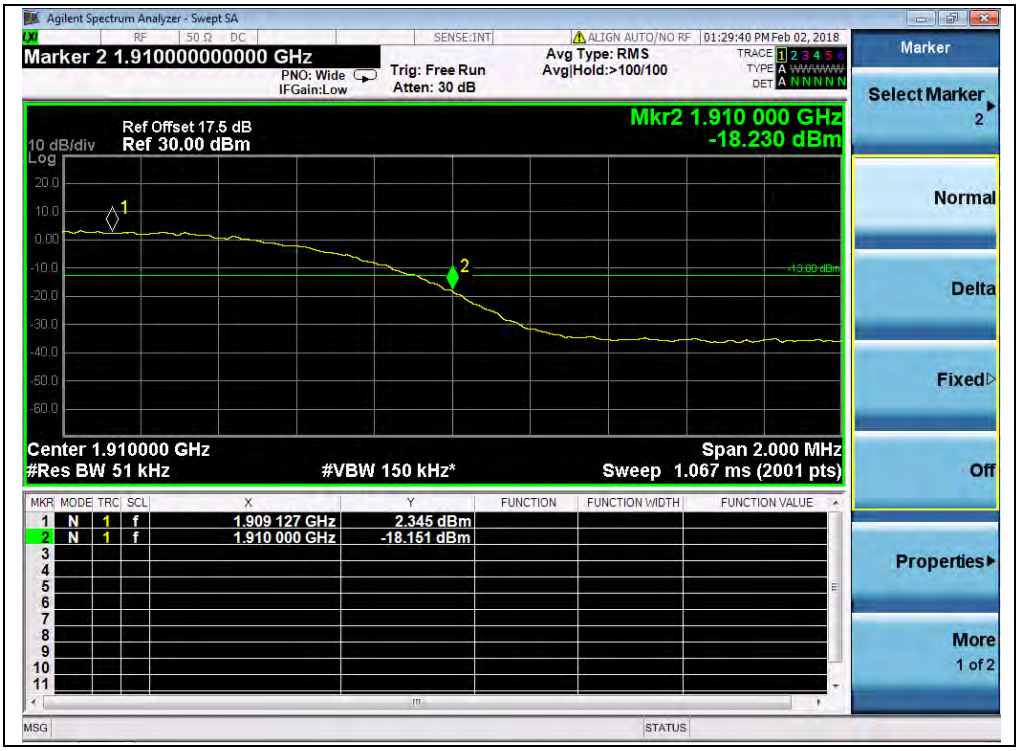

(Plot O1, HSPA+ 1700, Channel = 1312)




(Plot O2, HSPA+ 1700, Channel = 1513)




(Plot P1, HSPA+ 1900, Channel = 9262)




(Plot P2, HSPA+ 1900, Channel = 9538)

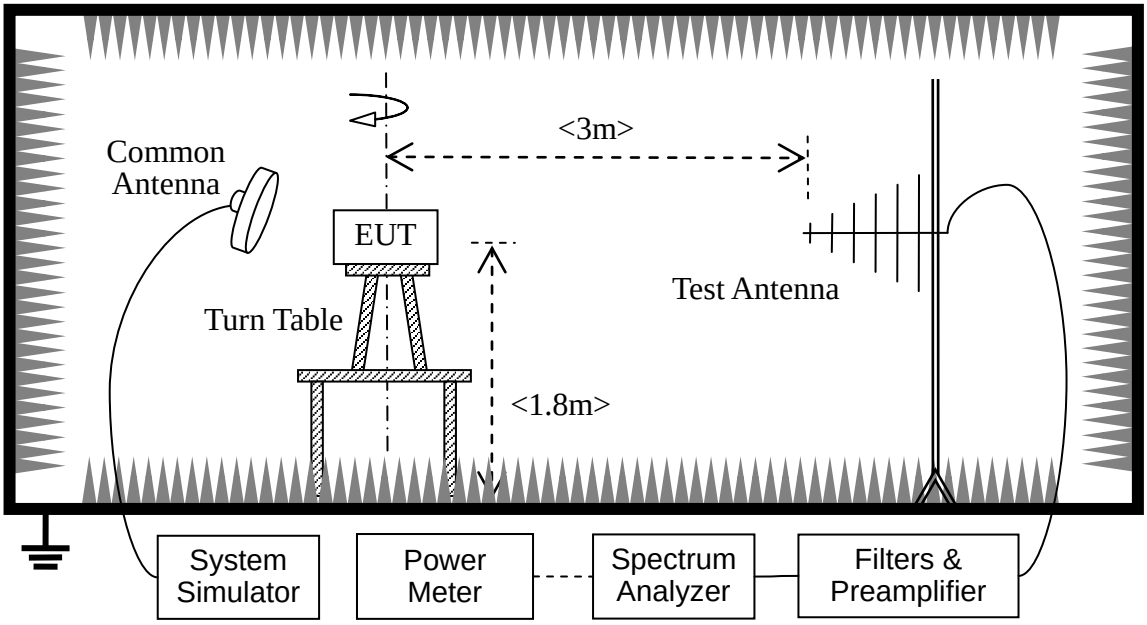
# 2.7. Transmitter Radiated Power (EIRP/ERP)

### 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.
According to FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.
According to FCC section 27.50, mobile, and portable (hand-held) stations is limited to 1 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. Please refer to section 2.1.3 of this report.
- Step size (dB): 3dB
The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz),

it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

### 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:

$A_{SUBST} = P_{SUBST\_TX} - P_{SUBST\_RX} - L_{SUBST\_CABLES} + G_{SUBST\_TX\_ANT}$

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

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

$P_{SUBST\_TX}$ is signal generator level,

$P_{SUBST\_RX}$ is receiver level,

$L_{SUBST\_CABLES}$ is cable losses including TX cable,

$G_{SUBST\_TX\_ANT}$ 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 $A_{TOT}$.

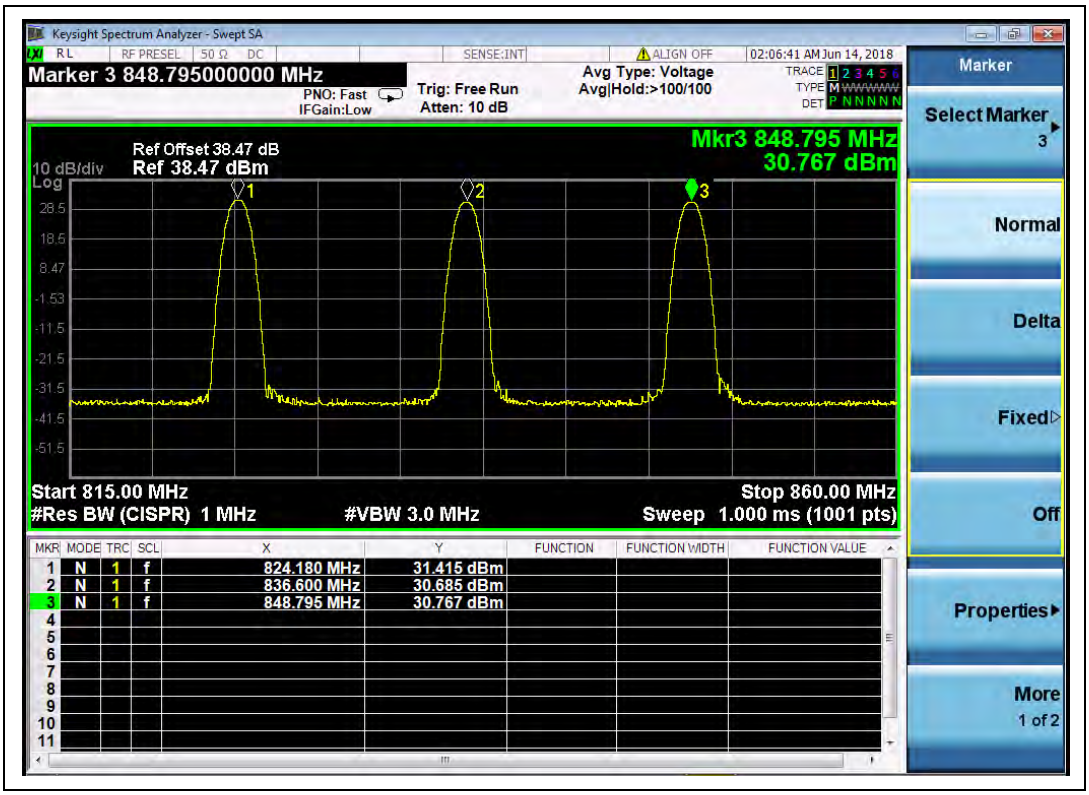
**GSM Test verdict:**

| Band | Channel | Frequency (MHz) | PCL | Measured ERP | | | Limit | | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | | dBm | W | Refer to Plot | dBm | W | |
| GSM 850MHz | 128 | 824.20 | 5 | 31.42 | 1.39 | Plot A | 38.5 | 7 | PASS |
| | 190 | 836.60 | 5 | 30.69 | 1.17 | | | | PASS |
| | 251 | 848.80 | 5 | 30.77 | 1.19 | | | | PASS |
| GPRS 850MHz | 128 | 824.20 | 5 | 31.34 | 1.36 | Plot B Note 1 | 38.5 | 7 | PASS |
| | 190 | 836.60 | 5 | 30.57 | 1.14 | | | | PASS |
| | 251 | 848.80 | 5 | 30.82 | 1.21 | | | | PASS |
| EGPRS 850MHz | 128 | 824.20 | 5 | 29.00 | 0.79 | Plot C Note 1 | 38.5 | 7 | PASS |
| | 190 | 836.60 | 5 | 29.36 | 0.86 | | | | PASS |
| | 251 | 848.80 | 5 | 28.28 | 0.67 | | | | PASS |
| GSM 1900MHz | 512 | 1850.2 | 0 | 26.55 | 0.45 | Plot D | 33 | 2 | PASS |
| | 661 | 1880.0 | 0 | 26.19 | 0.42 | | | | PASS |
| | 810 | 1909.8 | 0 | 24.59 | 0.29 | | | | PASS |
| GPRS 1900MHz | 512 | 1850.2 | 0 | 25.90 | 0.39 | Plot E Note 1 | 33 | 2 | PASS |
| | 661 | 1880.0 | 0 | 25.48 | 0.35 | | | | PASS |
| | 810 | 1909.8 | 0 | 24.57 | 0.29 | | | | PASS |
| EGPRS 1900MHz | 512 | 1850.2 | 0 | 27.18 | 0.52 | Plot F Note 1 | 33 | 2 | PASS |
| | 661 | 1880.0 | 0 | 27.73 | 0.59 | | | | PASS |
| | 810 | 1909.8 | 0 | 24.52 | 0.28 | | | | PASS |

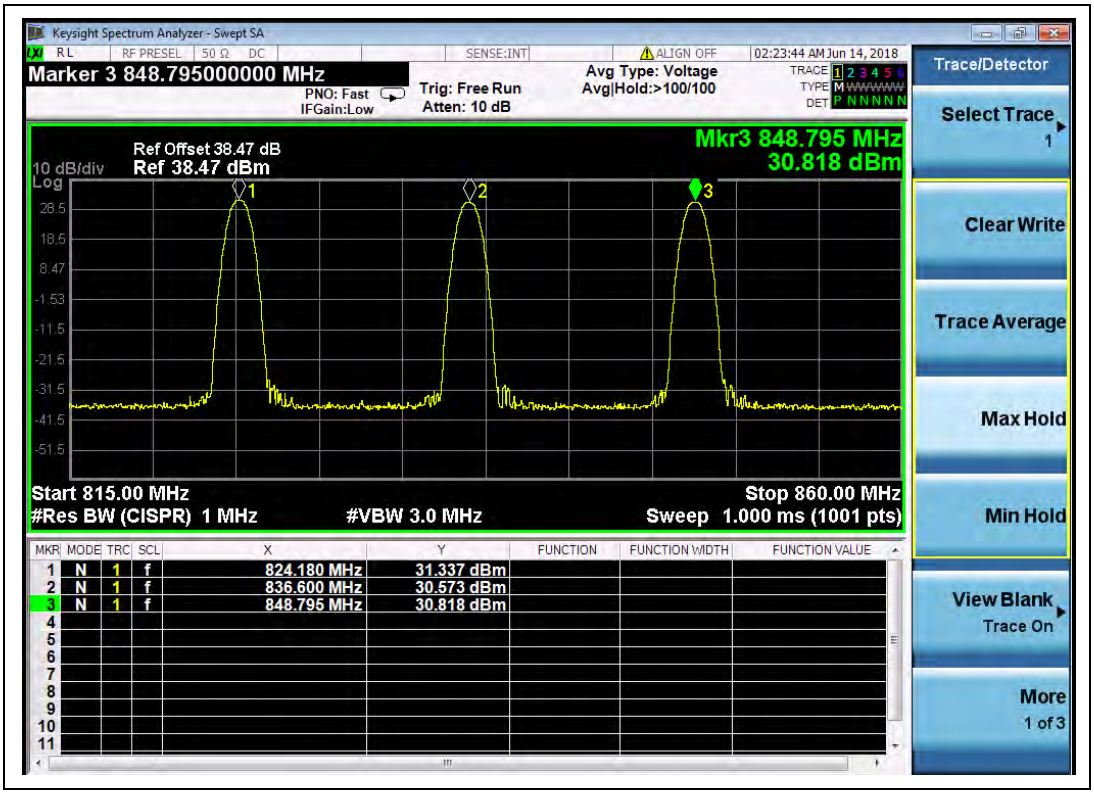
Note 1: For the GPRS and EGPRS model, all the slots were tested and just the worst data were recorded in this report.

Note 2: Both horizontal and vertical polarizations of the test antenna are evaluated respectively, only the worst data (horizontal) were recorded in this report.

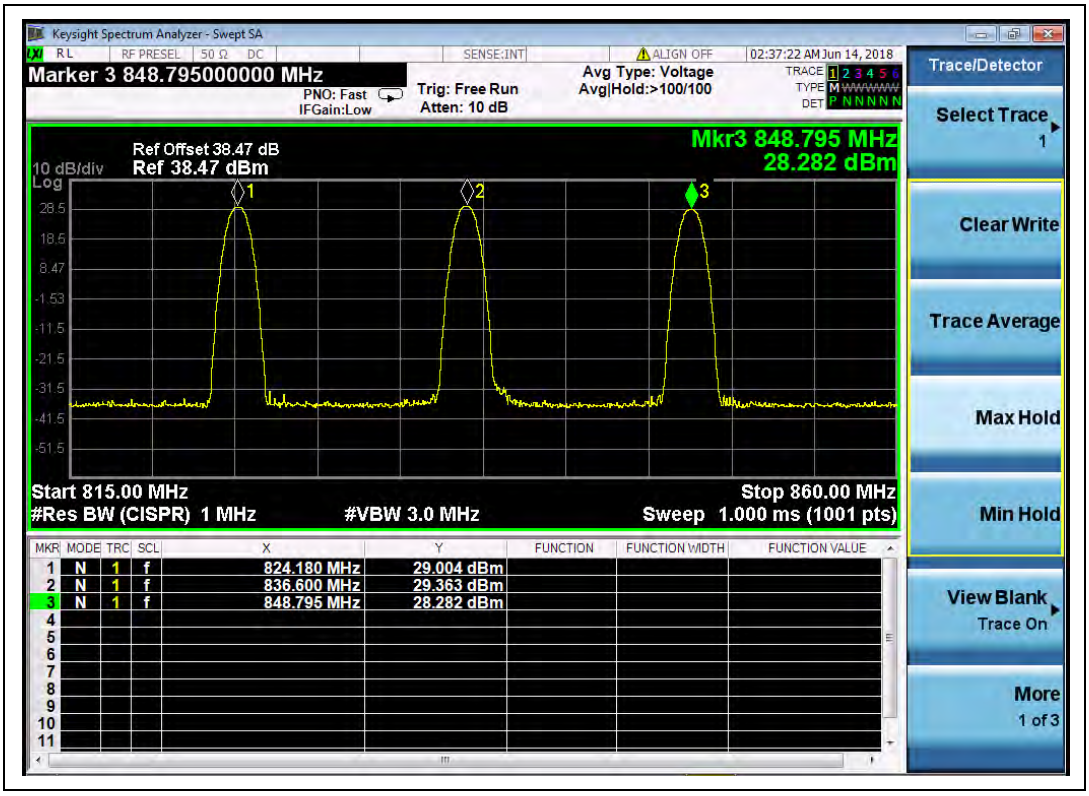
**Test Plots:**



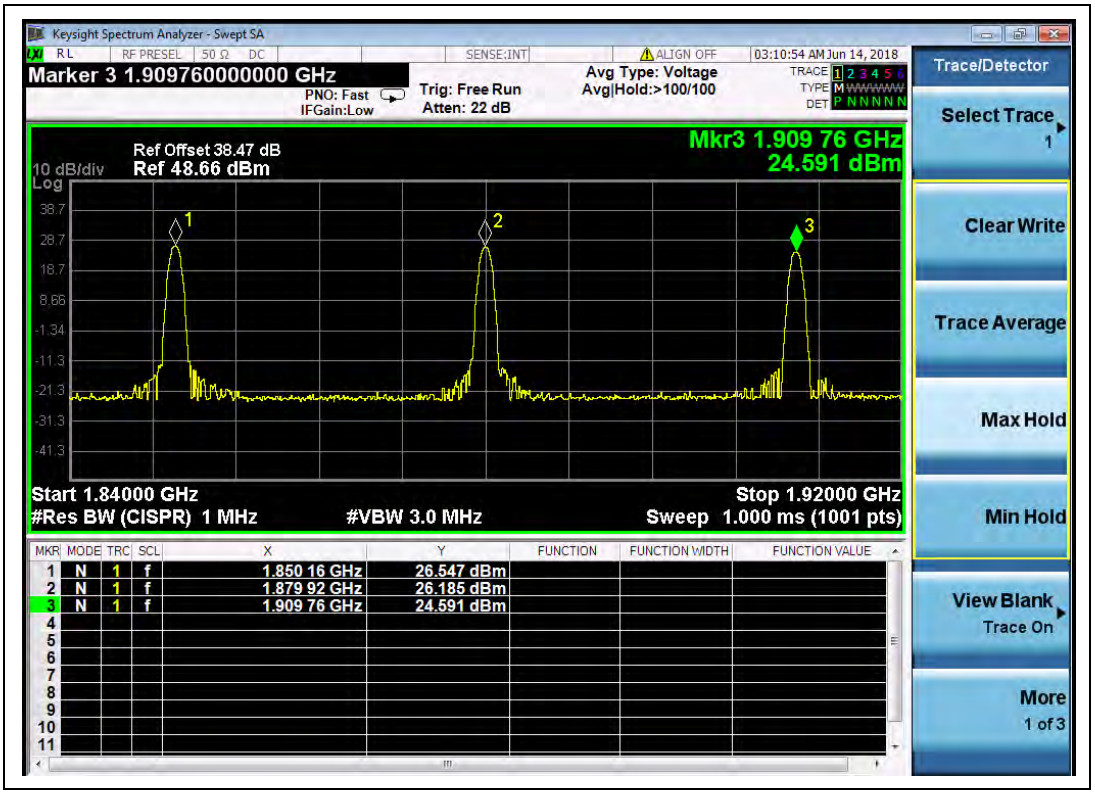

(Plot A, GSM 850MHz, Channel = 128, 190, 251)



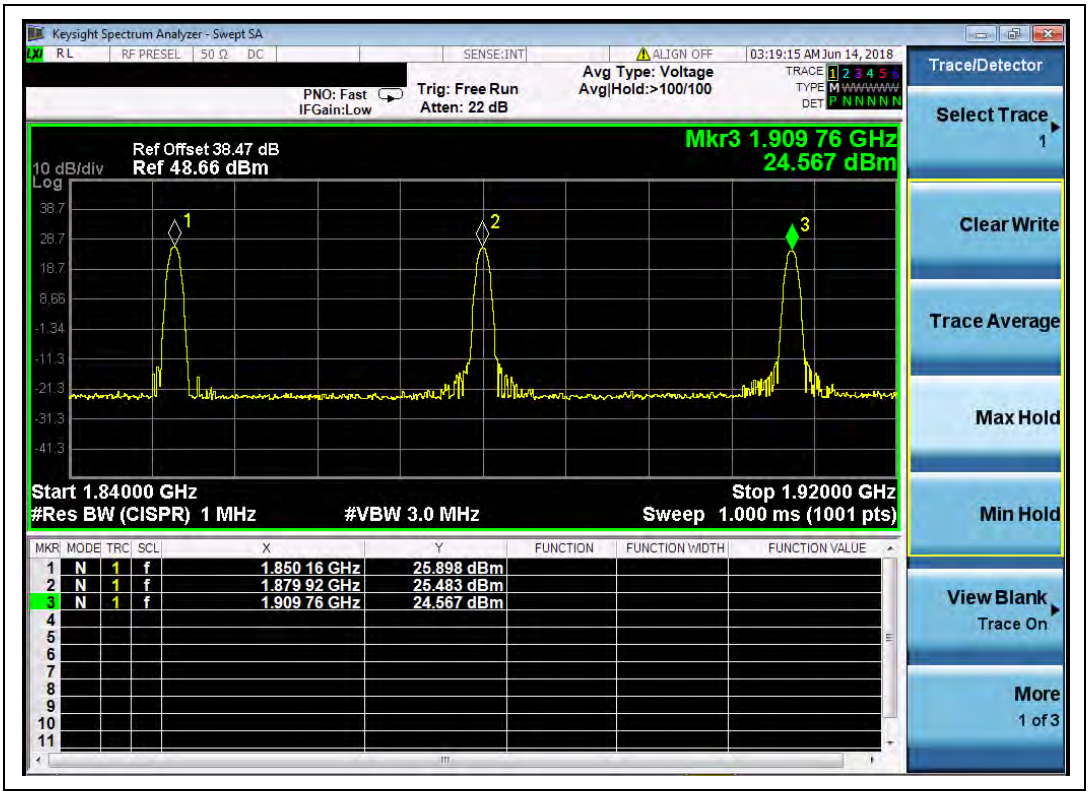

(Plot B, GPRS 850MHz, Channel = 128, 190, 251)



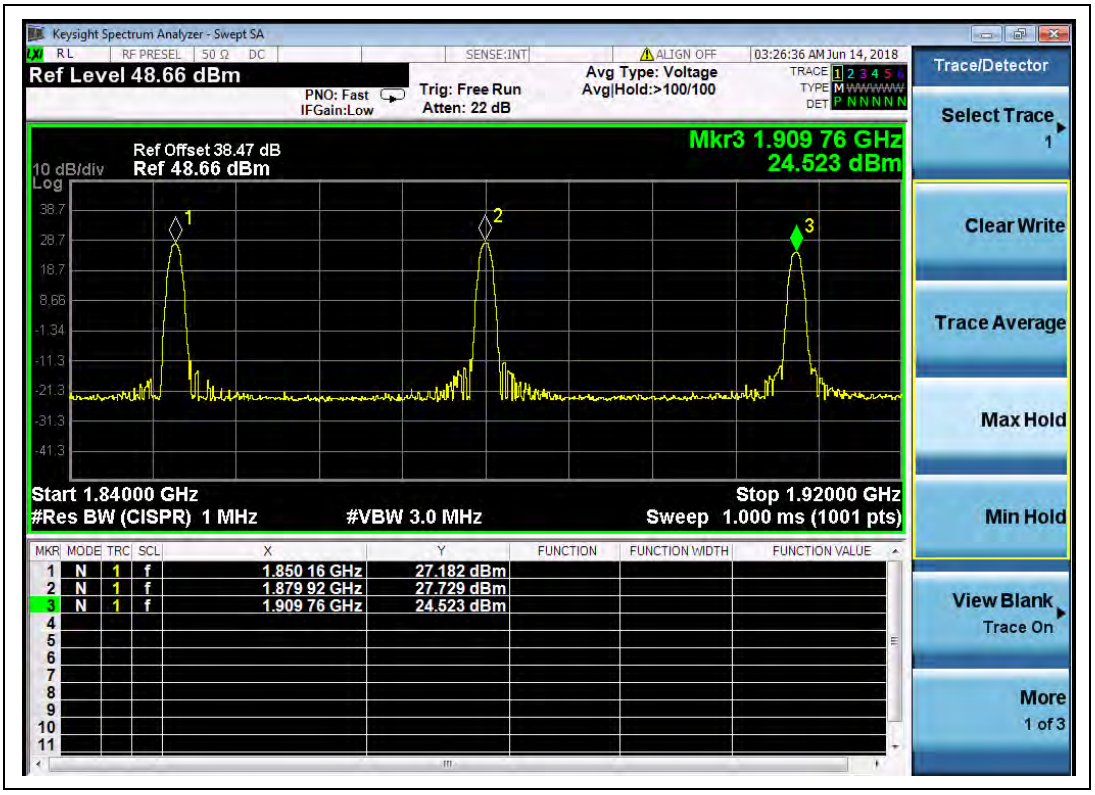

(Plot C, EGPRS 850MHz, Channel = 128, 190, 251)




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




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




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

**WCDMA Test verdict:**

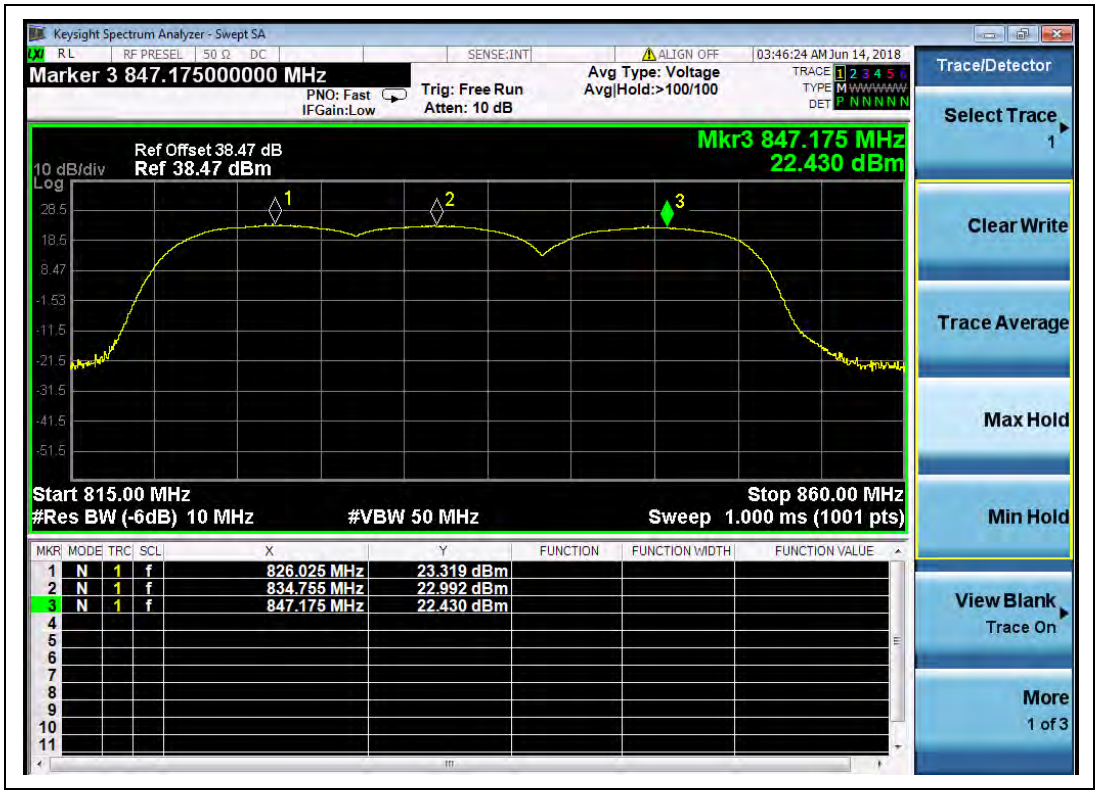
| Band | Channel | Frequency (MHz) | Measured ERP | | | Limit | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | dBm | W | Refer to Plot | dBm | W | |
| WCDMA 850MHz | 4132 | 826.4 | 24.24 | 0.27 | Plot G | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 23.80 | 0.24 | | | | PASS |
| | 4233 | 846.6 | 25.68 | 0.37 | | | | PASS |
| HSDPA 850MHz | 4132 | 826.4 | 22.21 | 0.17 | Plot H | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 22.00 | 0.16 | | | | PASS |
| | 4233 | 846.6 | 23.23 | 0.21 | | | | PASS |
| HSUPA 850MHz | 4132 | 826.4 | 23.32 | 0.21 | Plot I | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 22.99 | 0.20 | | | | PASS |
| | 4233 | 846.6 | 22.43 | 0.17 | | | | PASS |
| HSPA+ 850MHz | 4132 | 826.4 | 22.09 | 0.16 | Plot J | 38.5 | 7 | PASS |
| | 4175 | 835.0 | 22.02 | 0.16 | | | | PASS |
| | 4233 | 846.6 | 21.90 | 0.15 | | | | PASS |
| WCDMA 1900MHz | 9262 | 1852.4 | 23.08 | 0.20 | Plot K | 33 | 2 | PASS |
| | 9400 | 1880.0 | 22.27 | 0.17 | | | | PASS |
| | 9538 | 1907.6 | 22.30 | 0.17 | | | | PASS |
| HSDPA 1900MHz | 9262 | 1852.4 | 20.17 | 0.10 | Plot L | 33 | 2 | PASS |
| | 9400 | 1880.0 | 20.98 | 0.13 | | | | PASS |
| | 9538 | 1907.6 | 20.55 | 0.11 | | | | PASS |
| HSUPA 1900MHz | 9262 | 1852.4 | 19.12 | 0.08 | Plot M | 33 | 2 | PASS |
| | 9400 | 1880.0 | 18.46 | 0.07 | | | | PASS |
| | 9538 | 1907.6 | 18.53 | 0.07 | | | | PASS |
| HSPA+ 1900MHz | 9262 | 1852.4 | 24.15 | 0.26 | Plot N | 33 | 2 | PASS |
| | 9400 | 1880.0 | 23.84 | 0.24 | | | | PASS |
| | 9538 | 1907.6 | 23.19 | 0.21 | | | | PASS |

| Band | Channel | Frequency (MHz) | Measured EIRP | | | Limit | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | dBm | W | Refer to Plot | dBm | W | |
| WCDMA 1700MHz | 1312 | 1712.4 | 21.72 | 0.15 | Plot O | 30 | 1 | PASS |
| | 1412 | 1732.4 | 21.66 | 0.15 | | | | PASS |
| | 1513 | 1752.6 | 23.57 | 0.23 | | | | PASS |
| HSDPA 1700MHz | 1312 | 1712.4 | 21.28 | 0.13 | Plot P | 30 | 1 | PASS |
| | 1412 | 1732.4 | 21.56 | 0.14 | | | | PASS |
| | 1513 | 1752.6 | 21.72 | 0.15 | | | | PASS |
| HSUPA 1700MHz | 1312 | 1712.4 | 19.21 | 0.08 | Plot Q | 30 | 1 | PASS |
| | 1412 | 1732.4 | 19.58 | 0.09 | | | | PASS |
| | 1513 | 1752.6 | 19.04 | 0.08 | | | | PASS |
| HSPA+ 1700MHz | 1312 | 1712.4 | 22.27 | 0.17 | Plot R | 30 | 1 | PASS |
| | 1412 | 1732.4 | 23.47 | 0.22 | | | | PASS |
| | 1513 | 1752.6 | 23.61 | 0.23 | | | | PASS |
| Note 1: Both horizontal and vertical polarizations of the test antenna are evaluated respectively, only the worst data (horizontal) were recorded in this report. | | | | | | | | |

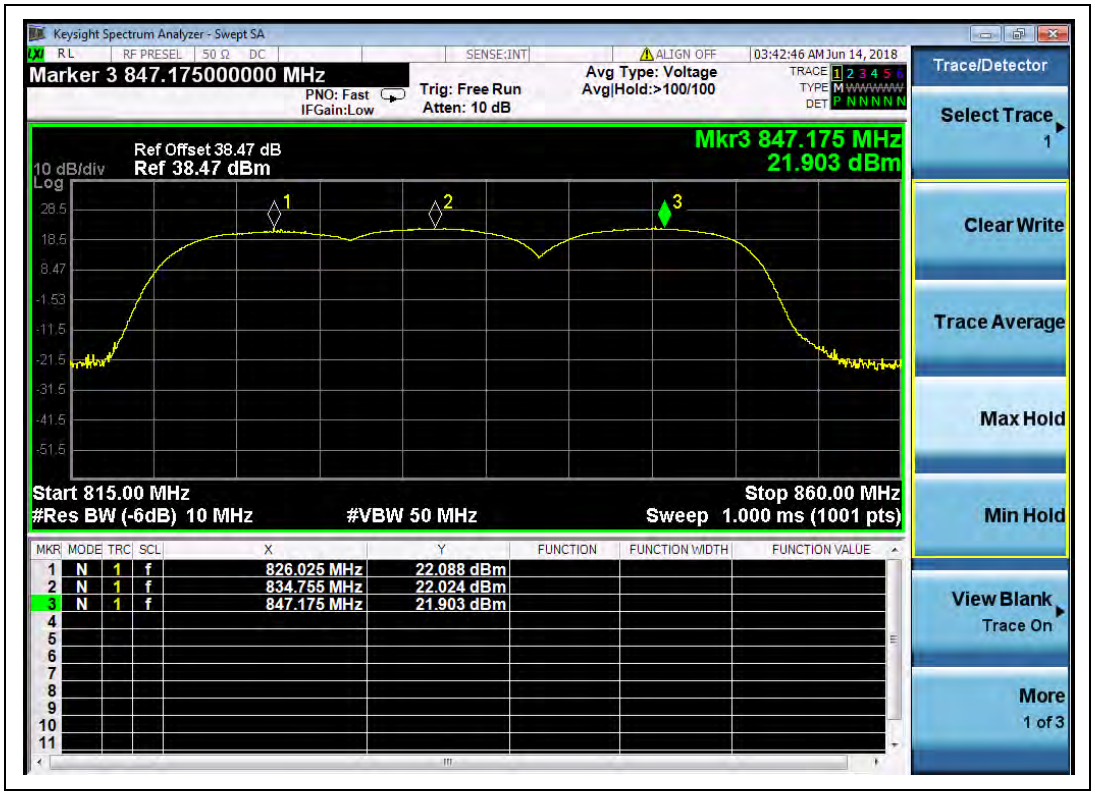
**Test Plot**


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

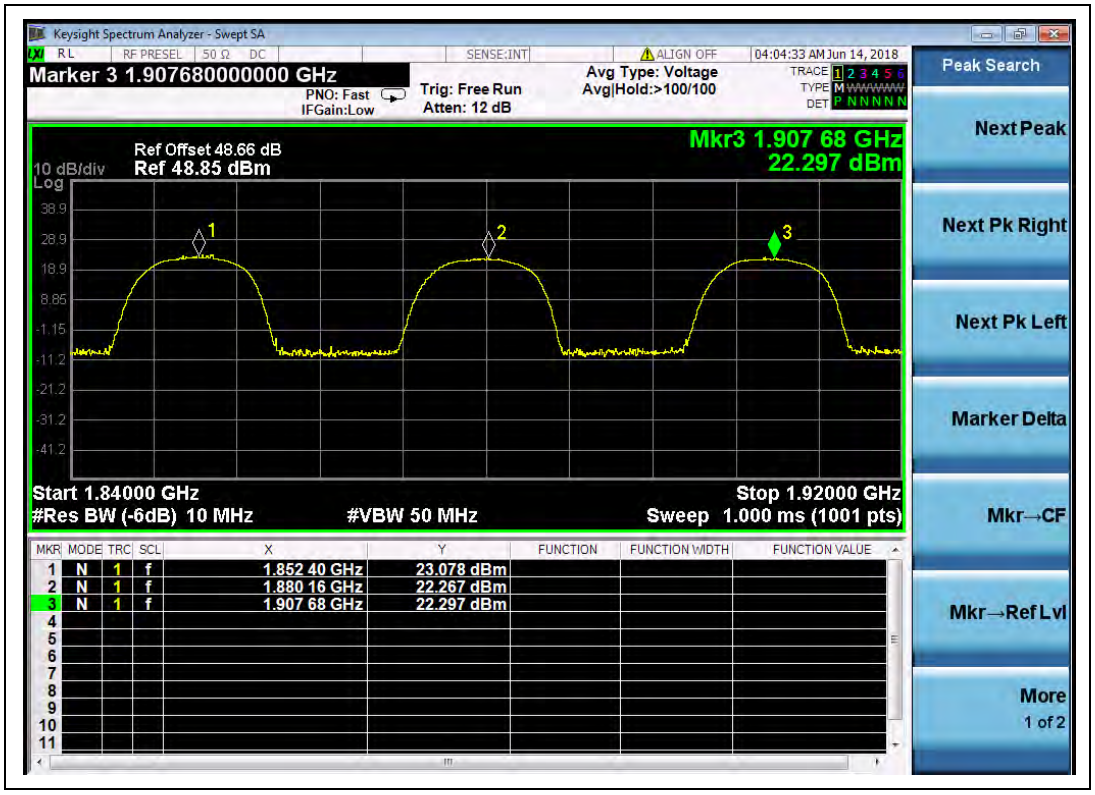

(Plot H, HSDPA 850 MHz, Channel = 4132, 4175, 4233)



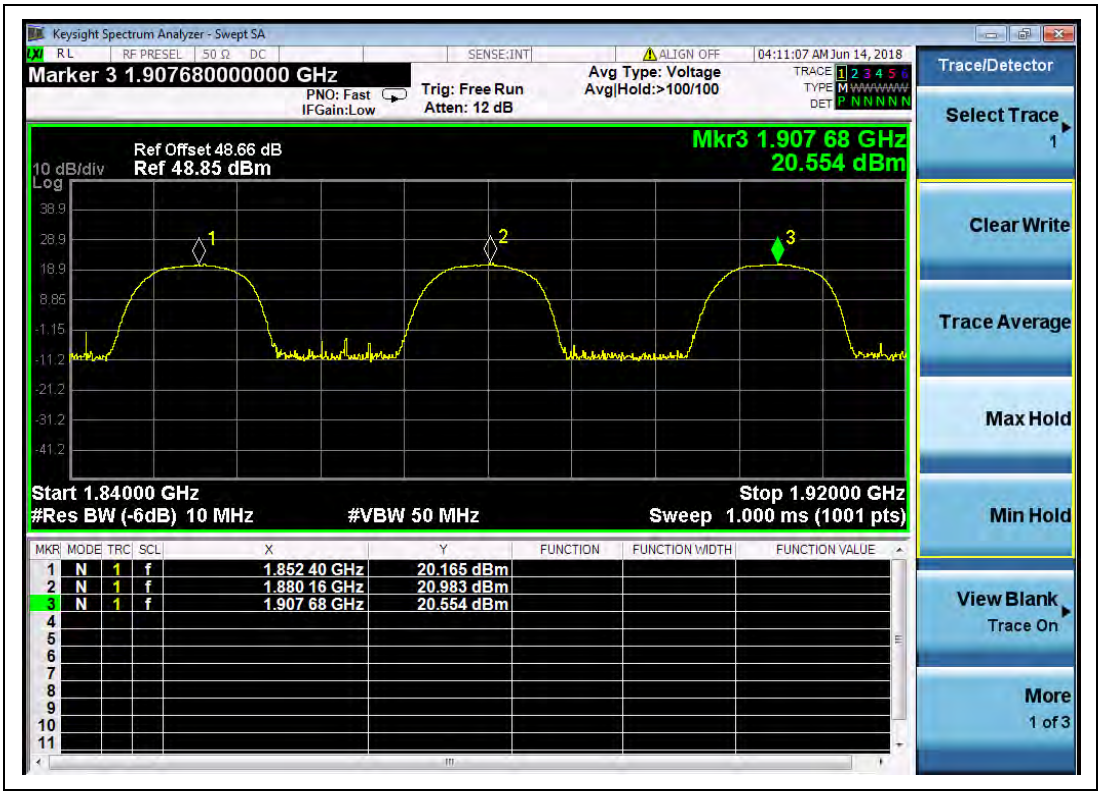

(Plot I, HSUPA 850 MHz, Channel = 4132, 4175, 4233)



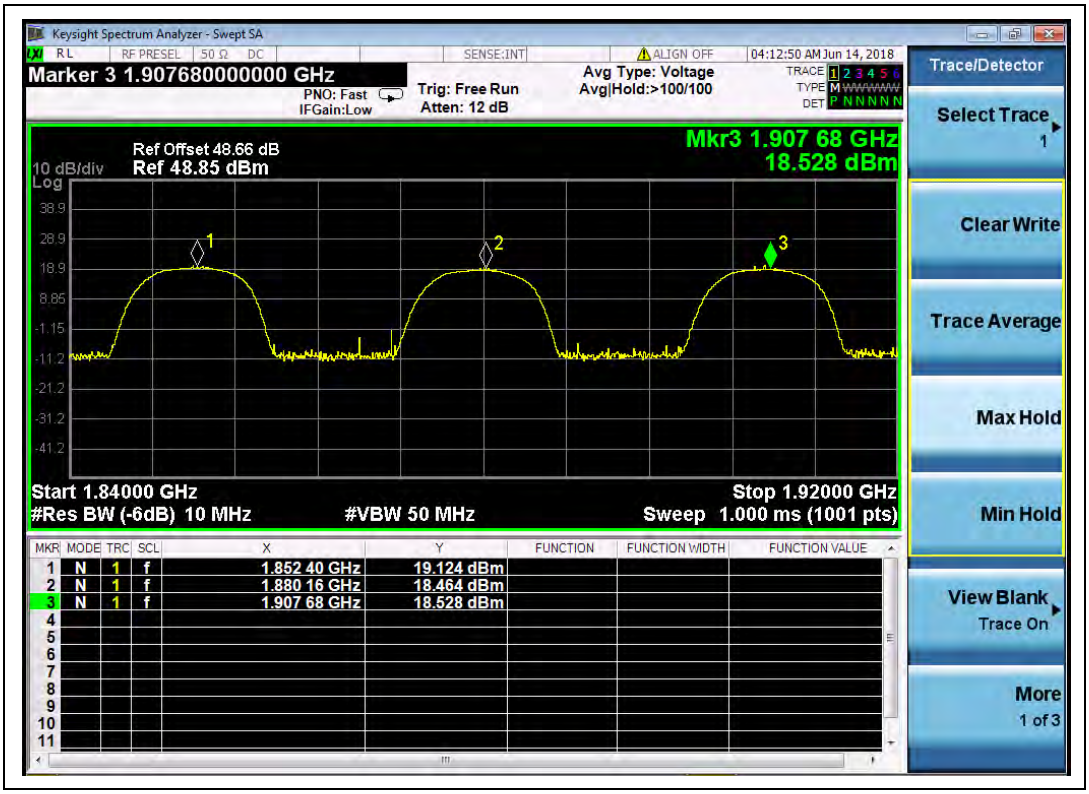

(Plot J, HSPA+ 850 MHz, Channel = 4132, 4175, 4233)



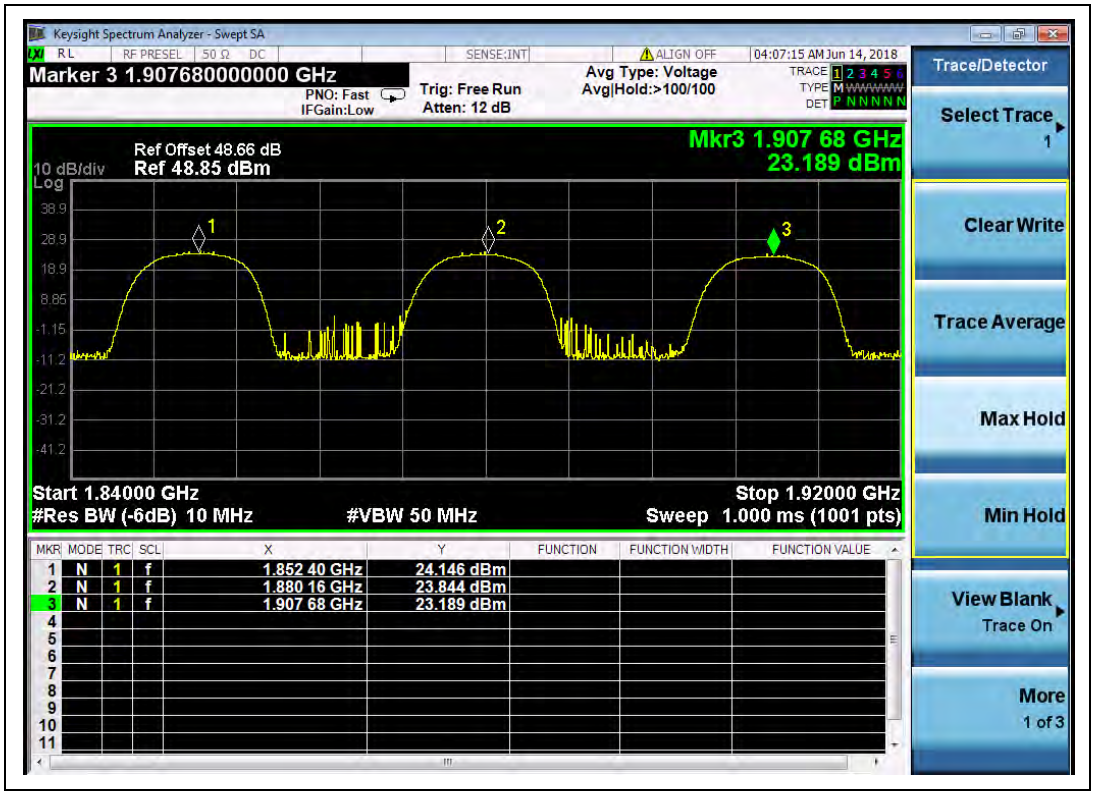

(Plot K, WCDMA 1900 MHz, Channel = 9262, 9400, 9538)



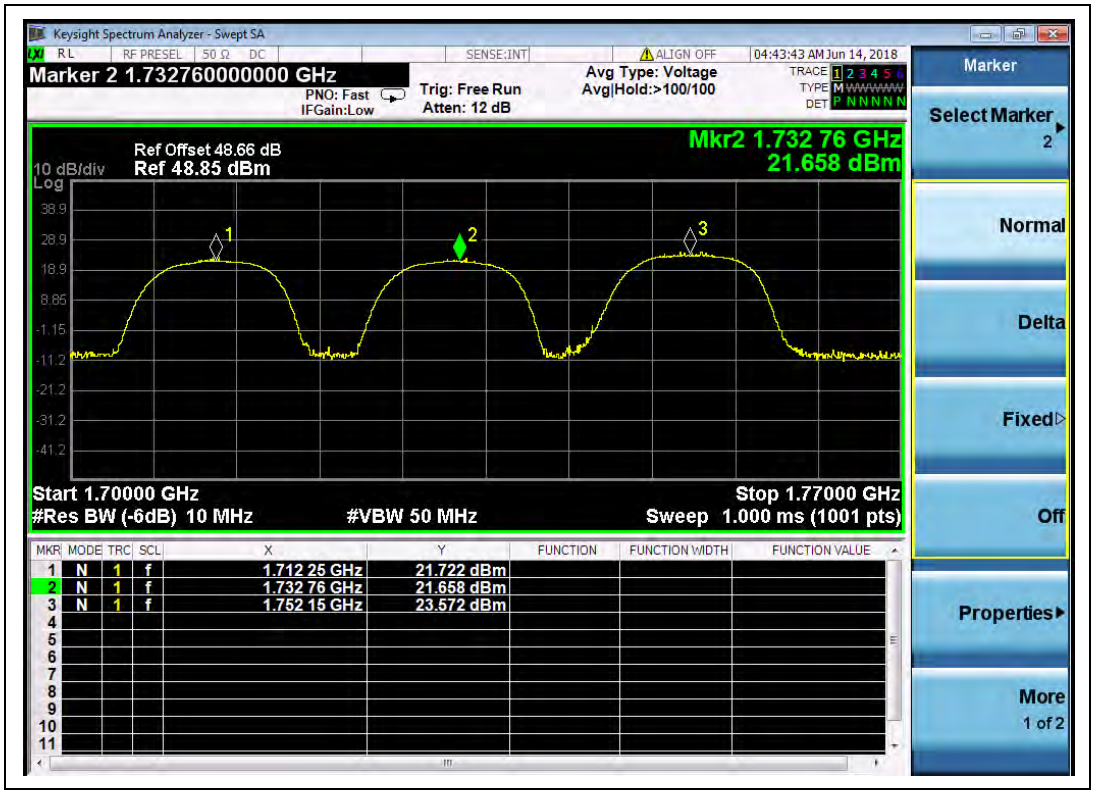

(Plot L, HSDPA1900 MHz, Channel = 9262, 9400, 9538)



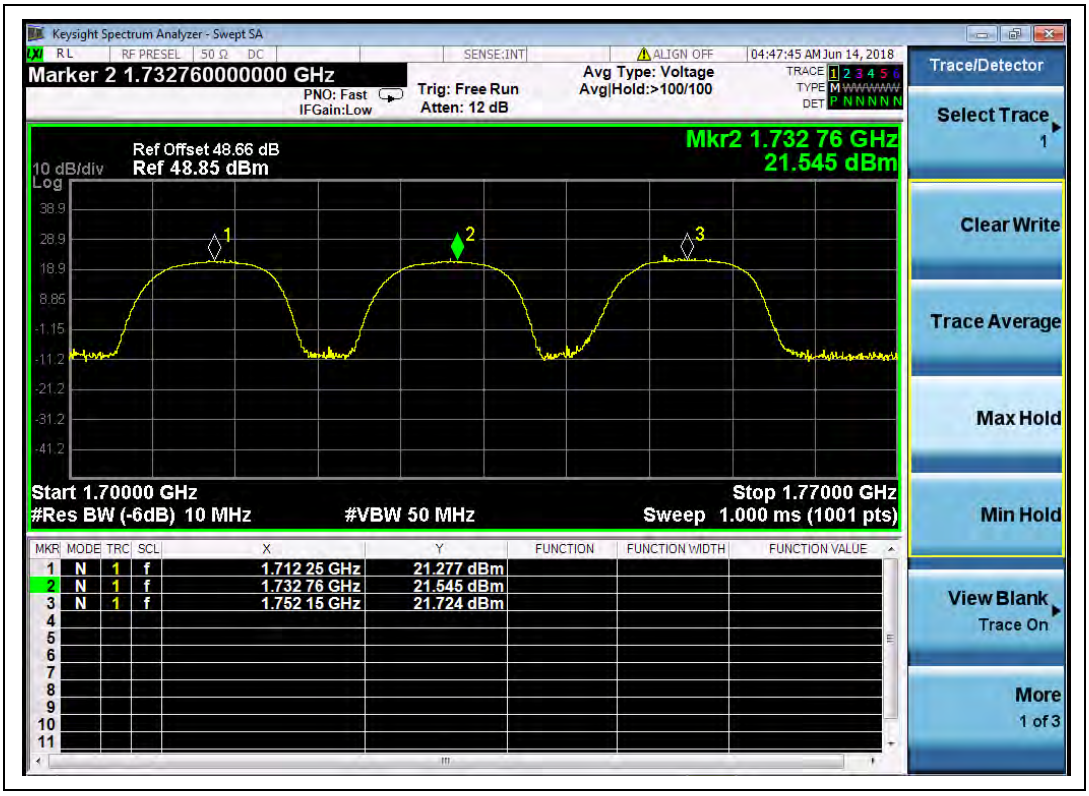

(Plot M, HSUPA1900 MHz, Channel = 9262, 9400, 9538)



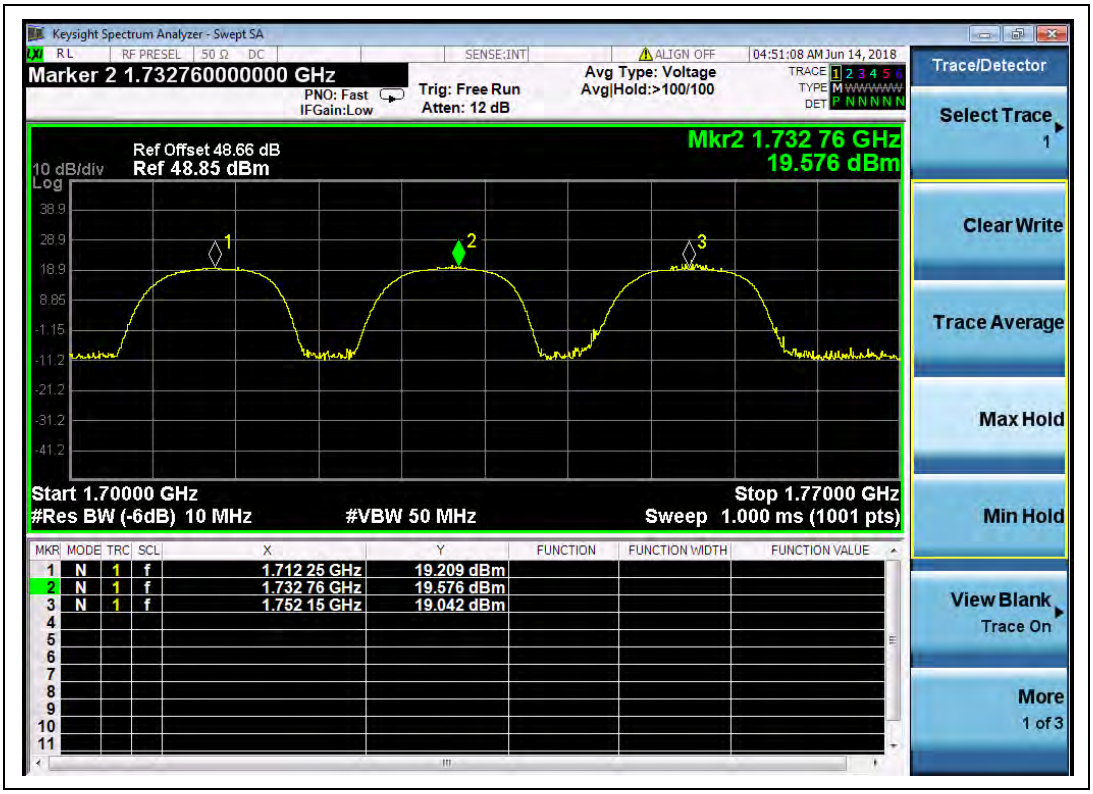

(Plot N, HSPA+ 1900 MHz, Channel = 9262, 9400, 9538)



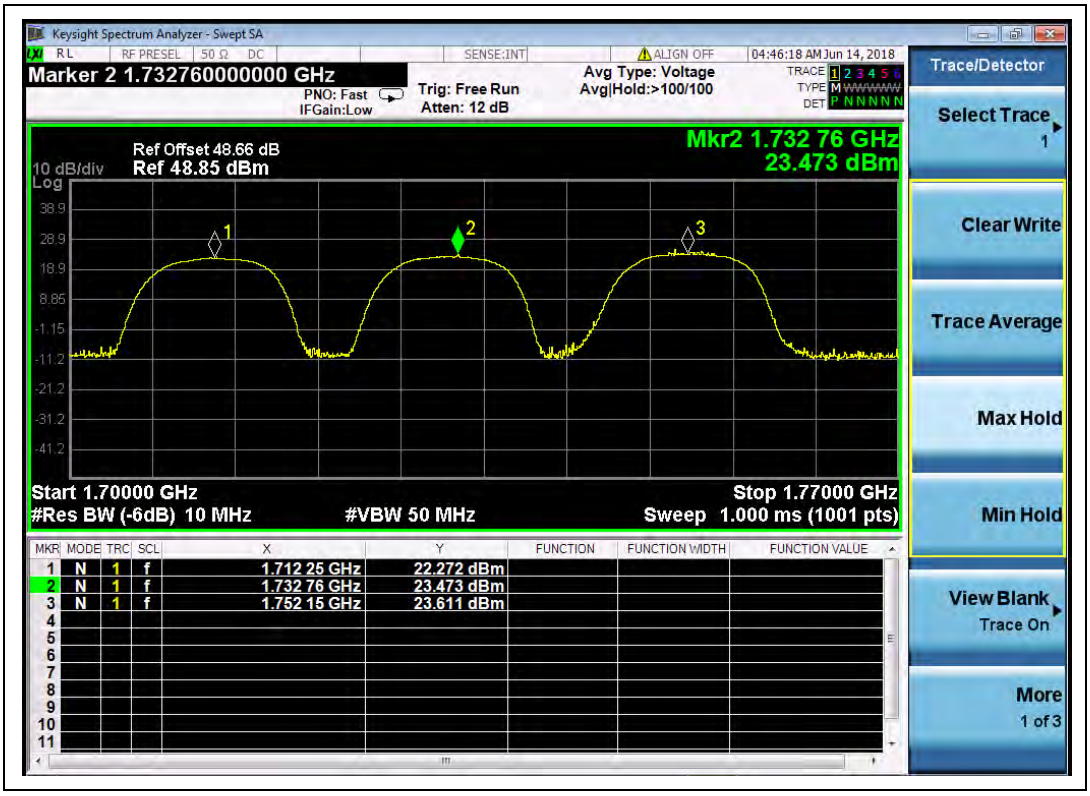

(Plot O, WCDMA 1700 MHz, Channel = 1312, 1412, 1513)




(Plot P, HSDPA1700 MHz, Channel = 1312, 1412, 1513)




(Plot Q, HSUPA1700 MHz, Channel = 1312, 1412, 1513)




(Plot R, HSPA+1700 MHz, Channel = 1312, 1412, 1513)

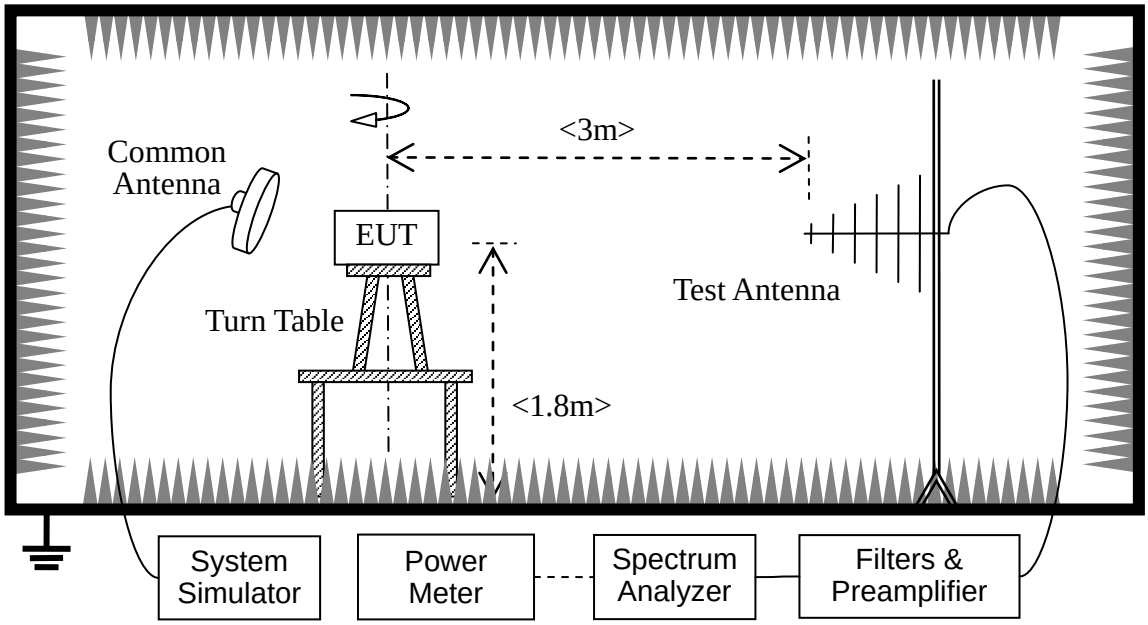
# 2.8. Radiated Out of Band Emissions

### 2.8.1. Requirement

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.

### 2.8.2. Test Description

Test Setup:




The EUT 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. Please refer to section 2.1.3 of this report.
- Step size (dB): 3dB
The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) and a Horn one (used for above 3 GHz), it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.
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. The power of the EUT transmitting frequency should be ignored.

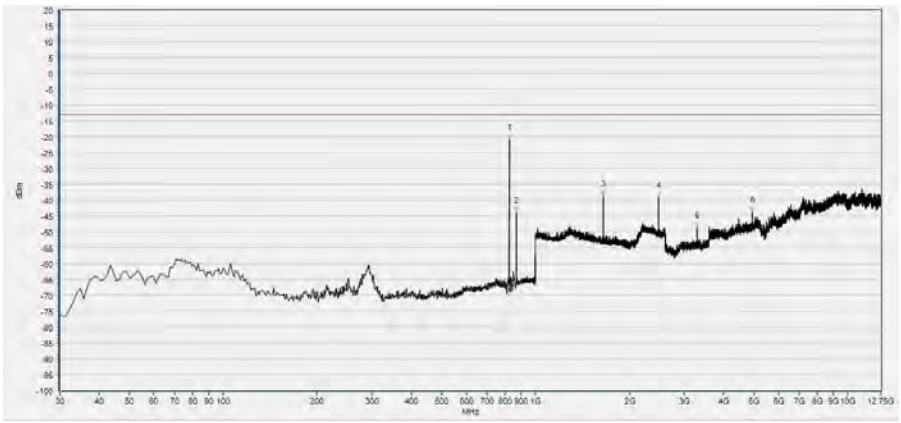
**Note 1:** All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

**Note 2:** 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.

**A. Test Verdict:**

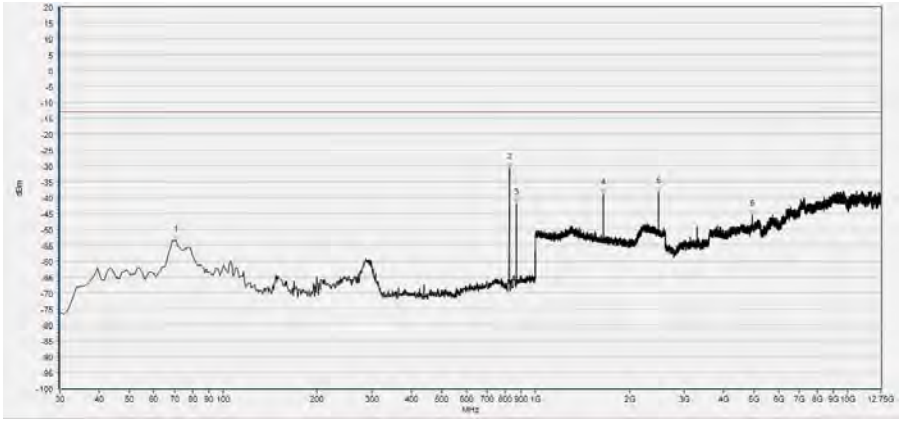
| Band | Channel | Frequency (MHz) | Measured Max. Spurious Emission (dBm) | | Refer to Plot | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| | | | Test Antenna Horizontal | Test Antenna Vertical | | | |
| GSM 850MHz | 128 | 824.2 | < -25 | < -25 | Plot A1/A2 | -13 | PASS |
| | 190 | 836.6 | < -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 1700MHz | 1312 | 1712.4 | < -25 | < -25 | Plot F1/F2 | -13 | PASS |
| | 1412 | 1732.4 | < -25 | < -25 | Plot F3/F4 | | PASS |
| | 1513 | 1752.6 | < -25 | < -25 | Plot F5/F6 | | PASS |
| WCDMA 1900MHz | 9262 | 1852.4 | < -25 | < -25 | Plot G1/G2 | -13 | PASS |
| | 9400 | 1880.0 | < -25 | < -25 | Plot G3/G4 | | PASS |
| | 9538 | 1907.6 | < -25 | < -25 | Plot G5/G6 | | PASS |

## B. Test Plots



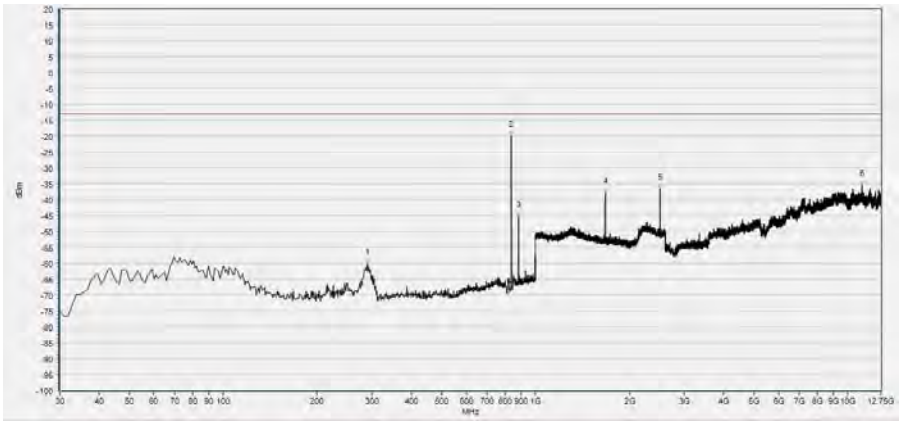
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 824.430 | -20.64 | -13.00 | Horizontal | N/A |
| 2 | 869.050 | -43.77 | -13.00 | Horizontal | N/A |
| 3 | 1647.939 | -38.47 | -13.00 | Horizontal | PASS |
| 4 | 2472.589 | -38.97 | -13.00 | Horizontal | PASS |
| 5 | 3297.709 | -48.50 | -13.00 | Horizontal | PASS |
| 6 | 4945.999 | -43.67 | -13.00 | Horizontal | PASS |

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



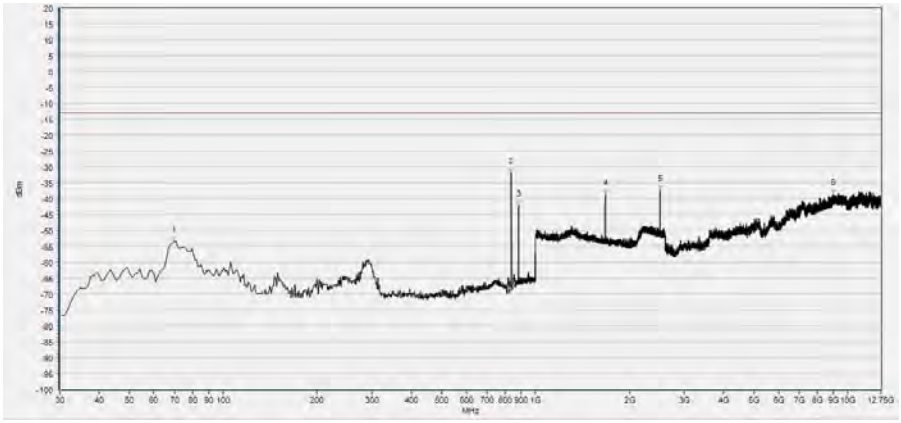
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 70.740 | -53.50 | -13.00 | Vertical | PASS |
| 2 | 824.430 | -30.63 | -13.00 | Vertical | N/A |
| 3 | 869.050 | -41.98 | -13.00 | Vertical | N/A |
| 4 | 1648.579 | -38.92 | -13.00 | Vertical | PASS |
| 5 | 2471.949 | -38.42 | -13.00 | Vertical | PASS |
| 6 | 4945.999 | -45.42 | -13.00 | Vertical | PASS |

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



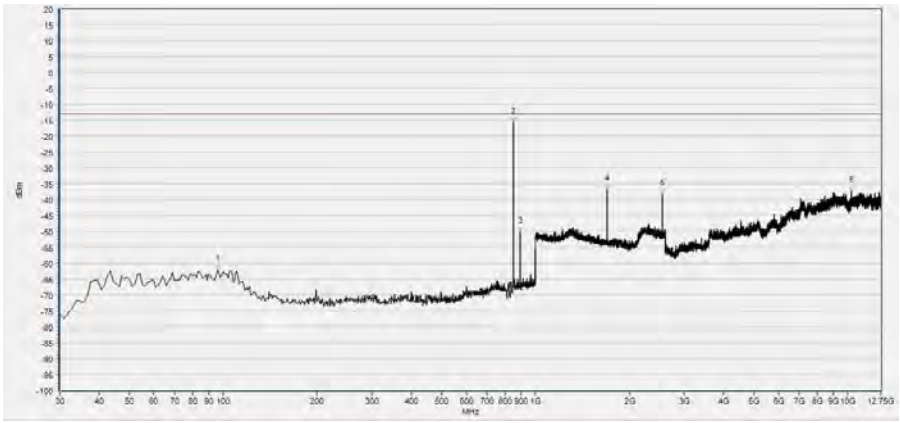
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 289.960 | -60.16 | -13.00 | Horizontal | PASS |
| 2 | 837.040 | -20.10 | -13.00 | Horizontal | N/A |
| 3 | 881.660 | -45.29 | -13.00 | Horizontal | N/A |
| 4 | 1672.909 | -37.80 | -13.00 | Horizontal | PASS |
| 5 | 2509.724 | -36.74 | -13.00 | Horizontal | PASS |
| 6 | 11072.177 | -35.41 | -13.00 | Horizontal | PASS |

(Plot A3, GSM850MHz, Channel = 190, Horizontal)



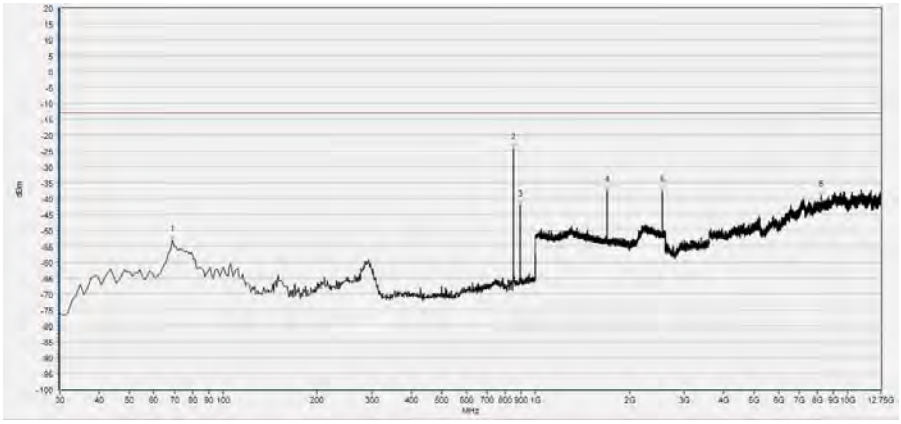
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 69.770 | -53.67 | -13.00 | Vertical | PASS |
| 2 | 837.040 | -31.85 | -13.00 | Vertical | N/A |
| 3 | 881.660 | -42.11 | -13.00 | Vertical | N/A |
| 4 | 1672.909 | -38.49 | -13.00 | Vertical | PASS |
| 5 | 2509.724 | -37.46 | -13.00 | Vertical | PASS |
| 6 | 8999.354 | -38.45 | -13.00 | Vertical | PASS |

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



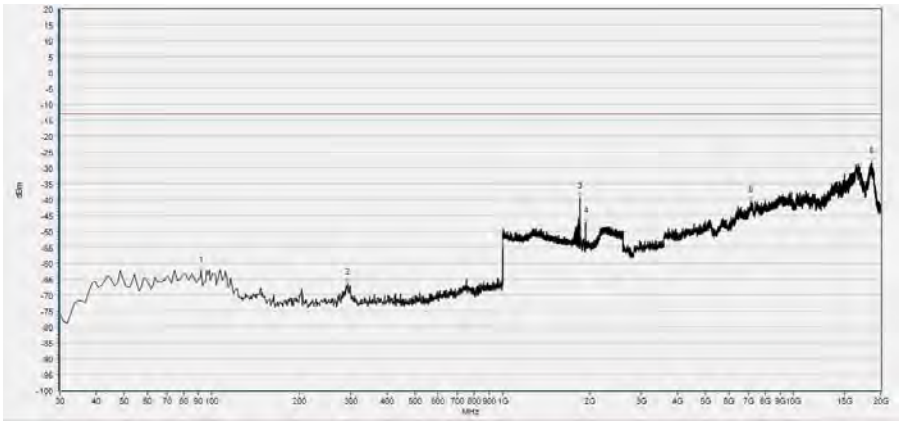
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 95.960 | -62.05 | -13.00 | Horizontal | PASS |
| 2 | 848.680 | -15.69 | -13.00 | Horizontal | N/A |
| 3 | 893.300 | -50.33 | -13.00 | Horizontal | N/A |
| 4 | 1697.239 | -36.99 | -13.00 | Horizontal | PASS |
| 5 | 2546.218 | -38.28 | -13.00 | Horizontal | PASS |
| 6 | 10269.258 | -37.45 | -13.00 | Horizontal | PASS |

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



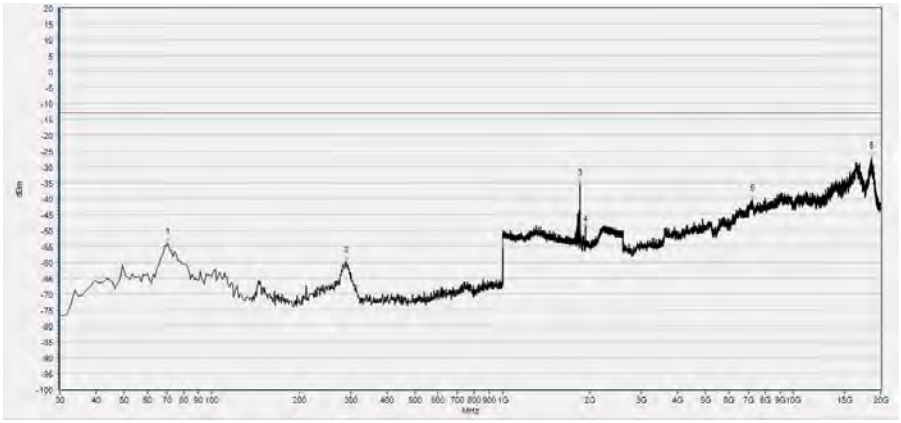
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 68.800 | -52.99 | -13.00 | Vertical | PASS |
| 2 | 848.680 | -24.33 | -13.00 | Vertical | N/A |
| 3 | 893.300 | -42.17 | -13.00 | Vertical | N/A |
| 4 | 1697.239 | -37.71 | -13.00 | Vertical | PASS |
| 5 | 2546.218 | -37.72 | -13.00 | Vertical | PASS |
| 6 | 8201.973 | -39.02 | -13.00 | Vertical | PASS |

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



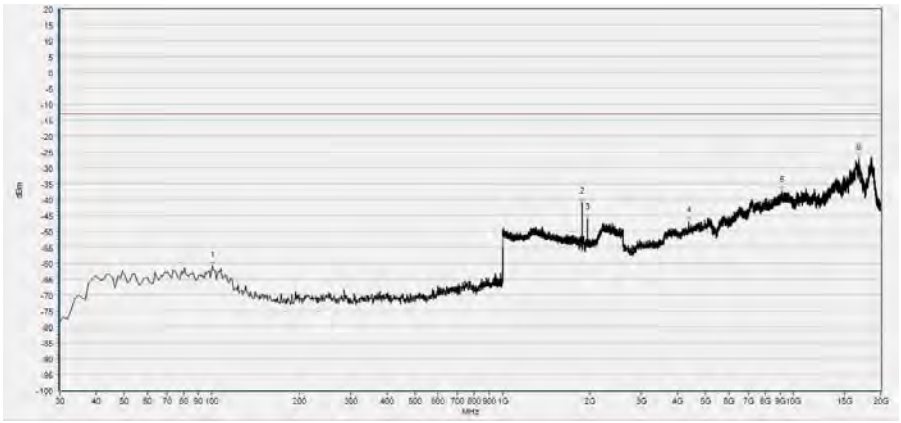
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 92.080 | -62.68 | -13.00 | Horizontal | PASS |
| 2 | 292.870 | -66.51 | -13.00 | Horizontal | PASS |
| 3 | 1850.260 | -39.25 | -13.00 | Horizontal | N/A |
| 4 | 1930.292 | -47.19 | -13.00 | Horizontal | N/A |
| 5 | 7156.465 | -40.40 | -13.00 | Horizontal | PASS |
| 6 | 18601.418 | -28.32 | -13.00 | Horizontal | PASS |

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



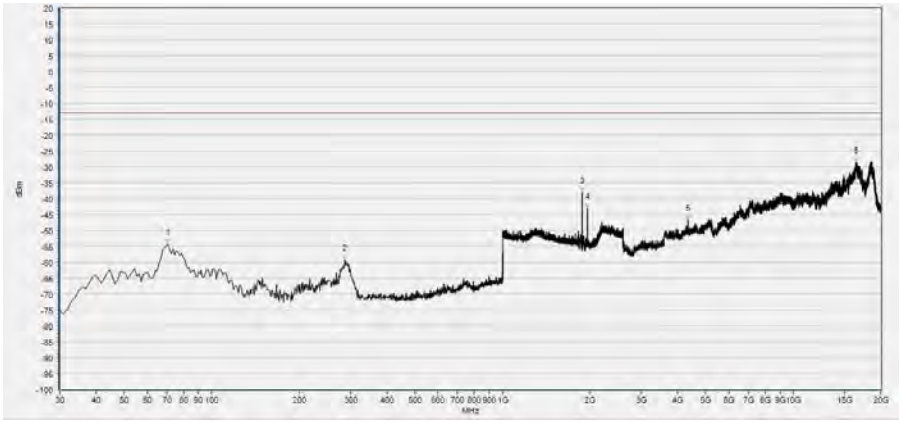
| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 70.740 | -54.13 | -13.00 | Vertical | PASS |
| 2 | 289.960 | -59.83 | -13.00 | Vertical | PASS |
| 3 | 1850.260 | -35.58 | -13.00 | Vertical | N/A |
| 4 | 1929.652 | -49.23 | -13.00 | Vertical | N/A |
| 5 | 7222.913 | -40.13 | -13.00 | Vertical | PASS |
| 6 | 18566.612 | -26.91 | -13.00 | Vertical | PASS |

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



| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 100.810 | -60.88 | -13.00 | Horizontal | PASS |
| 2 | 1879.712 | -41.02 | -13.00 | Horizontal | N/A |
| 3 | 1959.744 | -45.89 | -13.00 | Horizontal | N/A |
| 4 | 4362.466 | -46.90 | -13.00 | Horizontal | PASS |
| 5 | 9108.783 | -37.41 | -13.00 | Horizontal | PASS |
| 6 | 16810.475 | -27.10 | -13.00 | Horizontal | PASS |

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



| Num | Freq(MHz) | PK | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 70.740 | -54.20 | -13.00 | Vertical | PASS |
| 2 | 287.050 | -59.37 | -13.00 | Vertical | PASS |
| 3 | 1879.712 | -38.03 | -13.00 | Vertical | N/A |
| 4 | 1959.744 | -43.20 | -13.00 | Vertical | N/A |
| 5 | 4337.152 | -46.61 | -13.00 | Vertical | PASS |
| 6 | 16405.456 | -28.67 | -13.00 | Vertical | PASS |

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