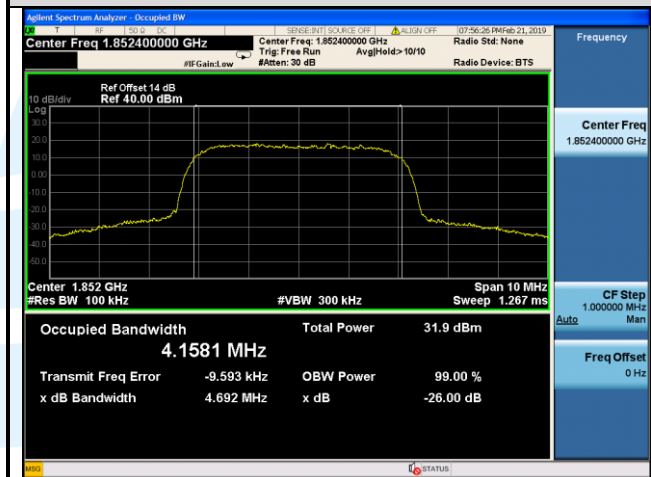
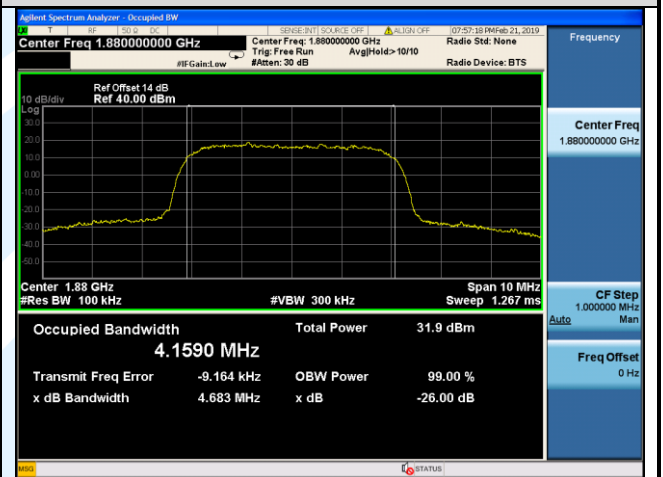


WCDMA Band II

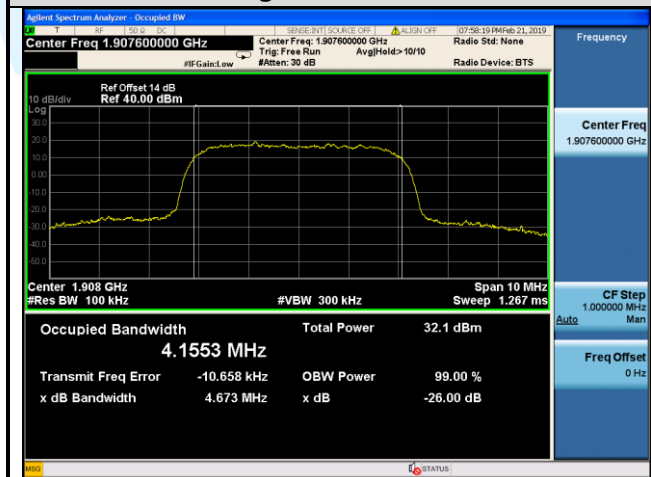
Lowest Channel



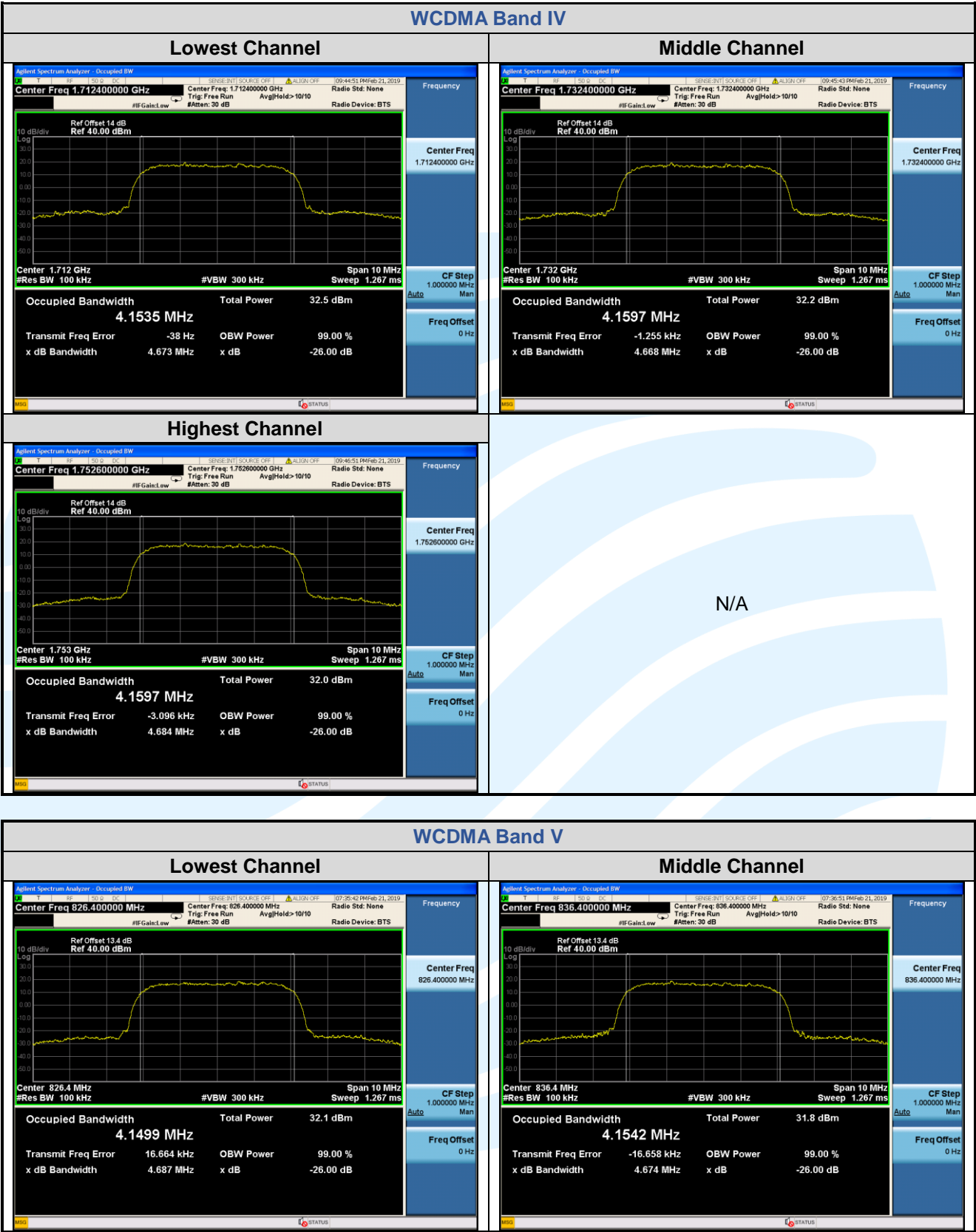
Middle Channel

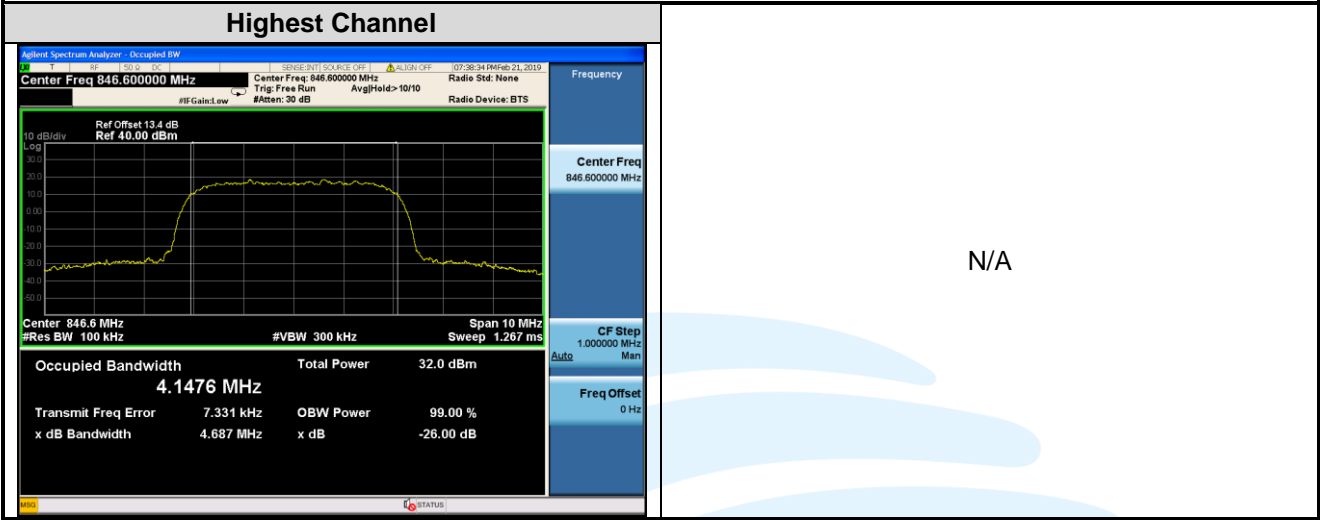


Highest Channel



N/A





5.6 BAND EDGE AT ANTENNA TERMINALS

Test Requirement: FCC 47 CFR Part 2.1051,
FCC 47 CFR Part 22.917(a),
FCC 47 CFR Part 24.238(a),
FCC 47 CFR Part 27.53(h)(1)

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01

Limit:

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. The emission limit equal to -13 dBm.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer.

For each band edge measurement:

- 1) Set the spectrum analyzer span to include the block edge frequency.
- 2) Set a marker to point the corresponding band edge frequency in each test case.
- 3) Set display line at -13 dBm
- 4) Set resolution bandwidth to at least 1% of emission bandwidth.
- 5) Set spectrum analyzer with RMS detector.
- 6) Record the max trace plot into the test report

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

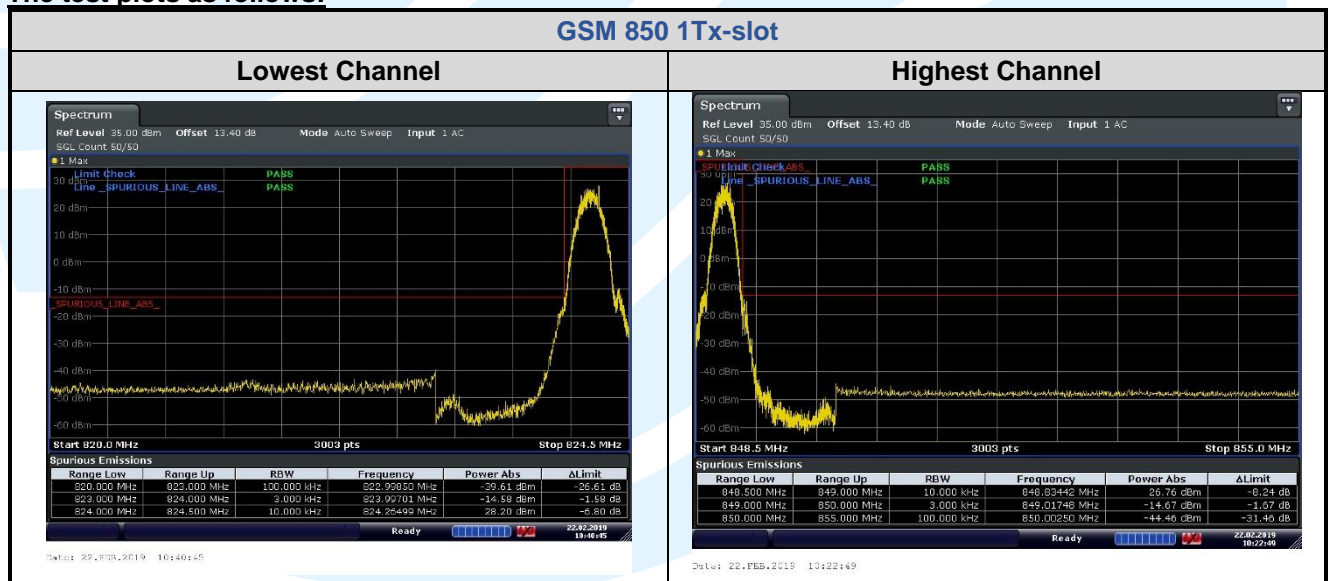
Test Setup: Refer to section 4.2.2 for details.

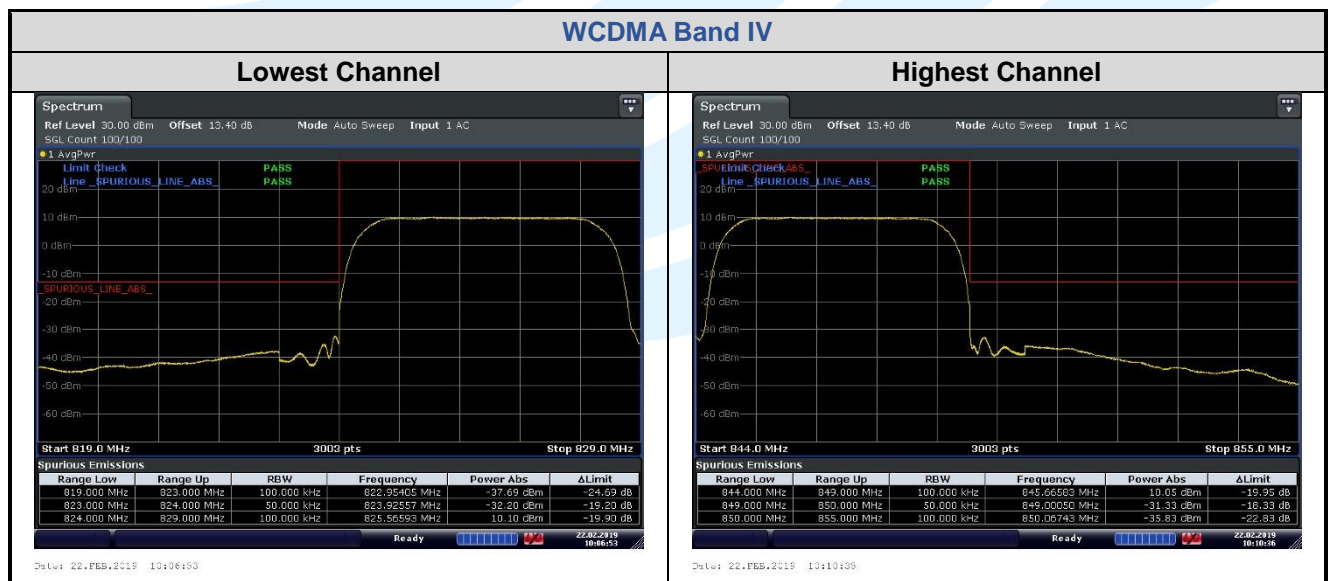
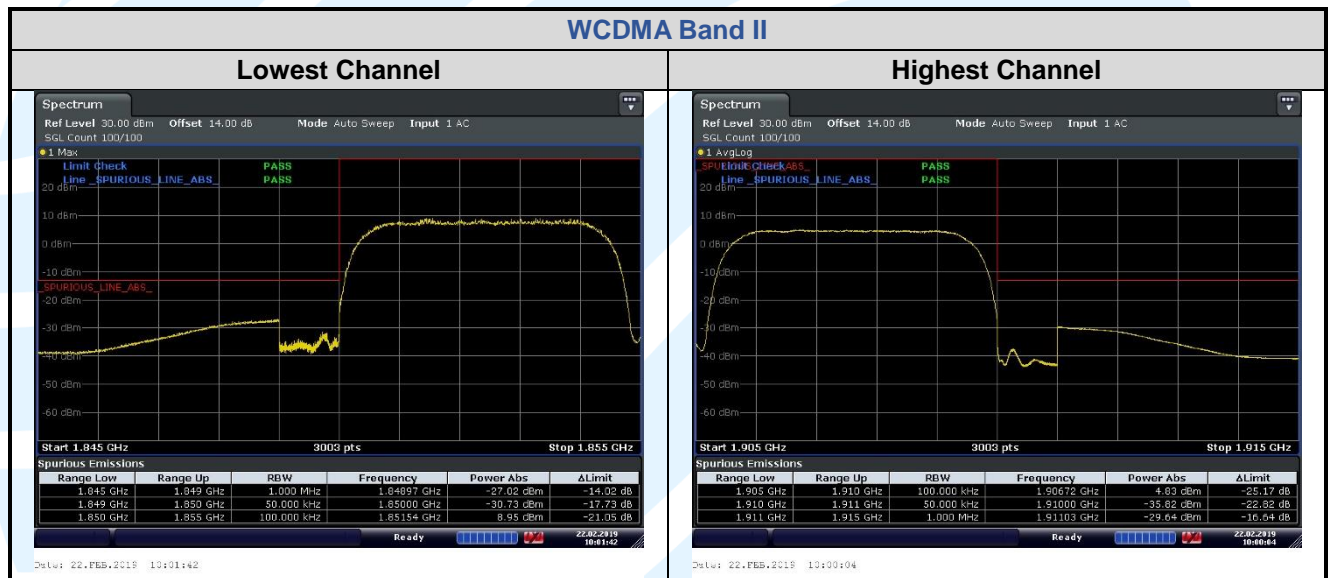
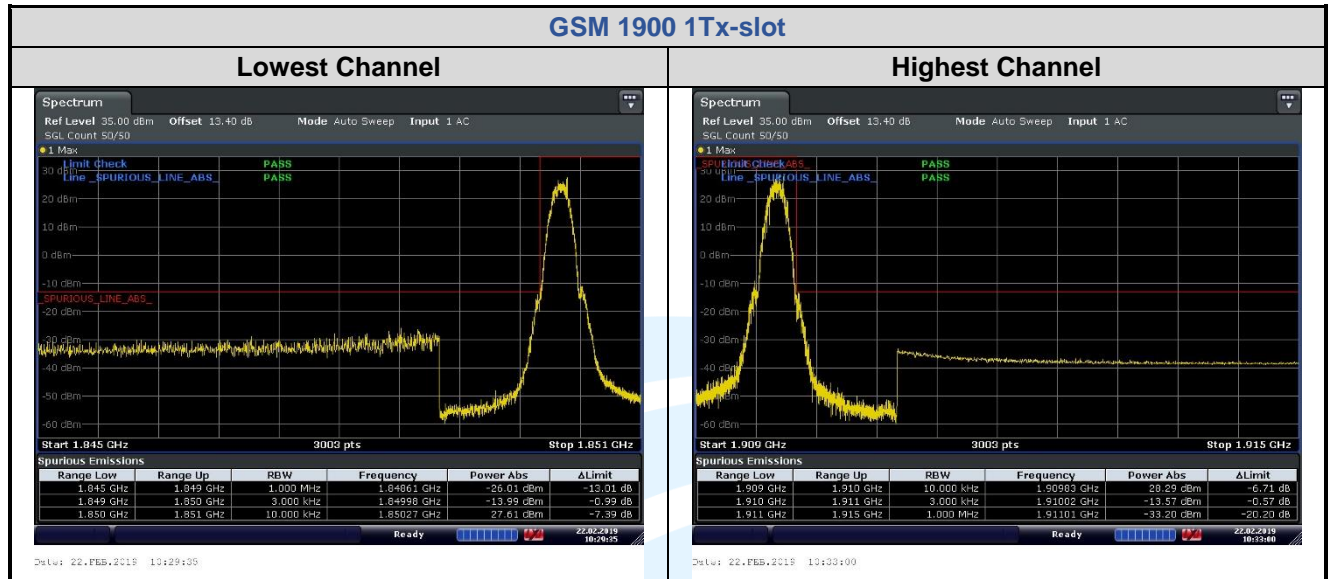
Instruments Used: Refer to section 3 for details

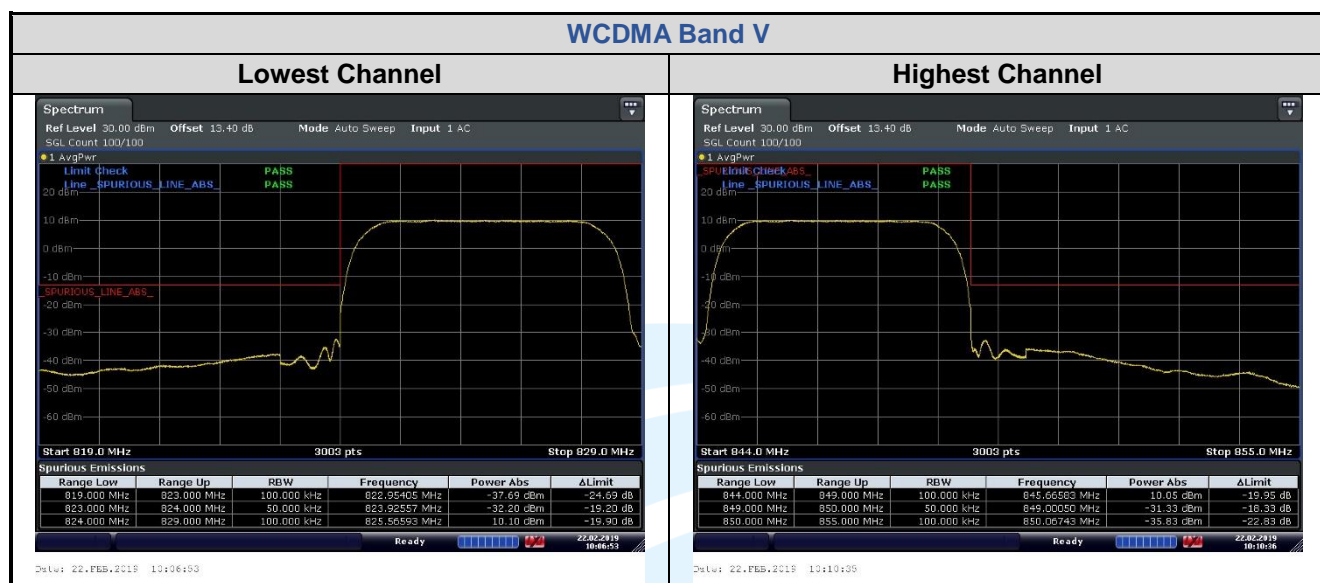
Test Mode: Link mode

Test Results: Pass

The test plots as follows:







5.7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Requirement: FCC 47 CFR Part 2.1051,
FCC 47 CFR Part 22.917(a)(b),
FCC 47 CFR Part 24.238(a)(b),
FCC 47 CFR Part 27.53(h)(1)

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01

Limit:

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. The emission limit equal to -13 dBm.

Test Procedure:

The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

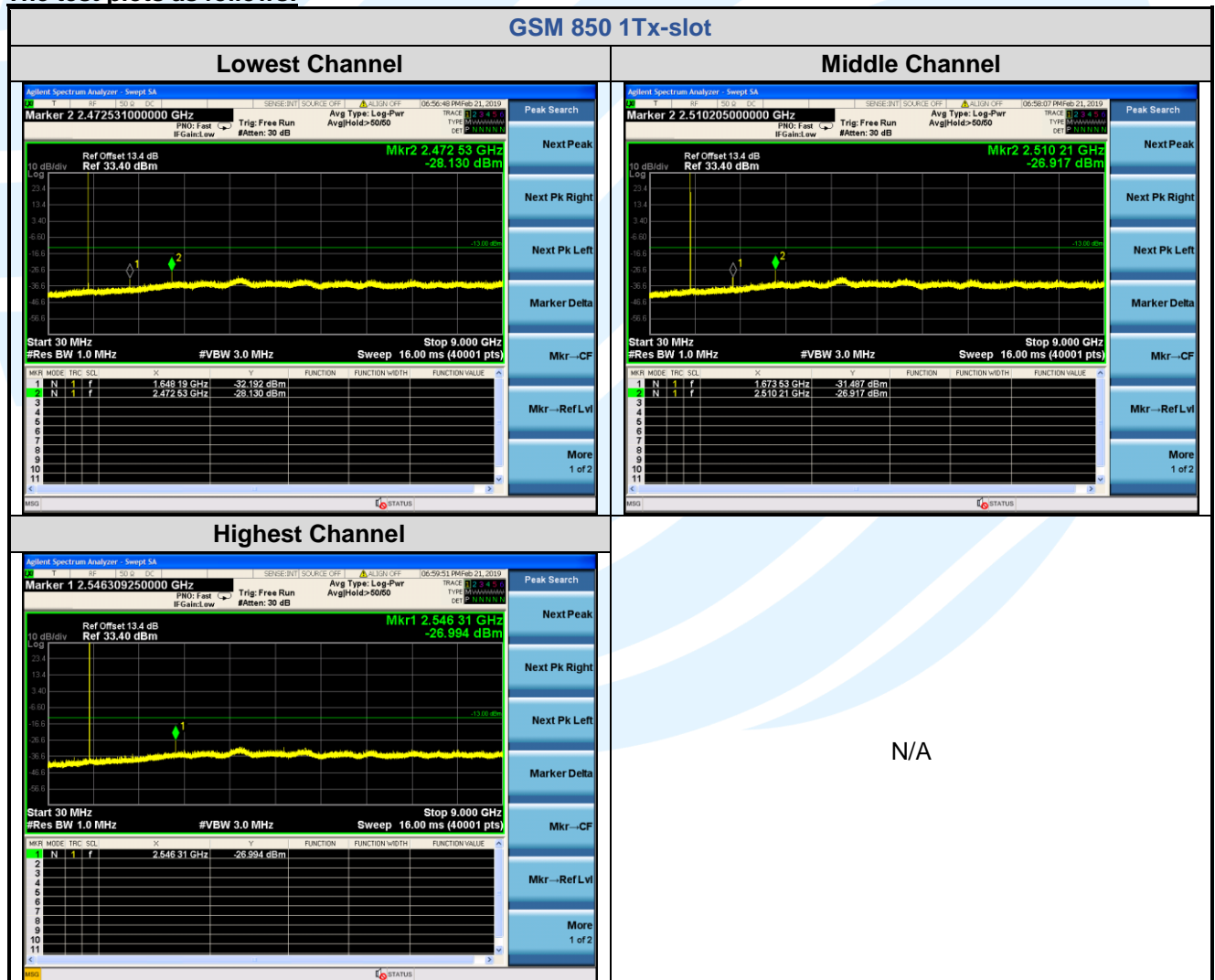
Test Setup: Refer to section 4.2.2 for details.

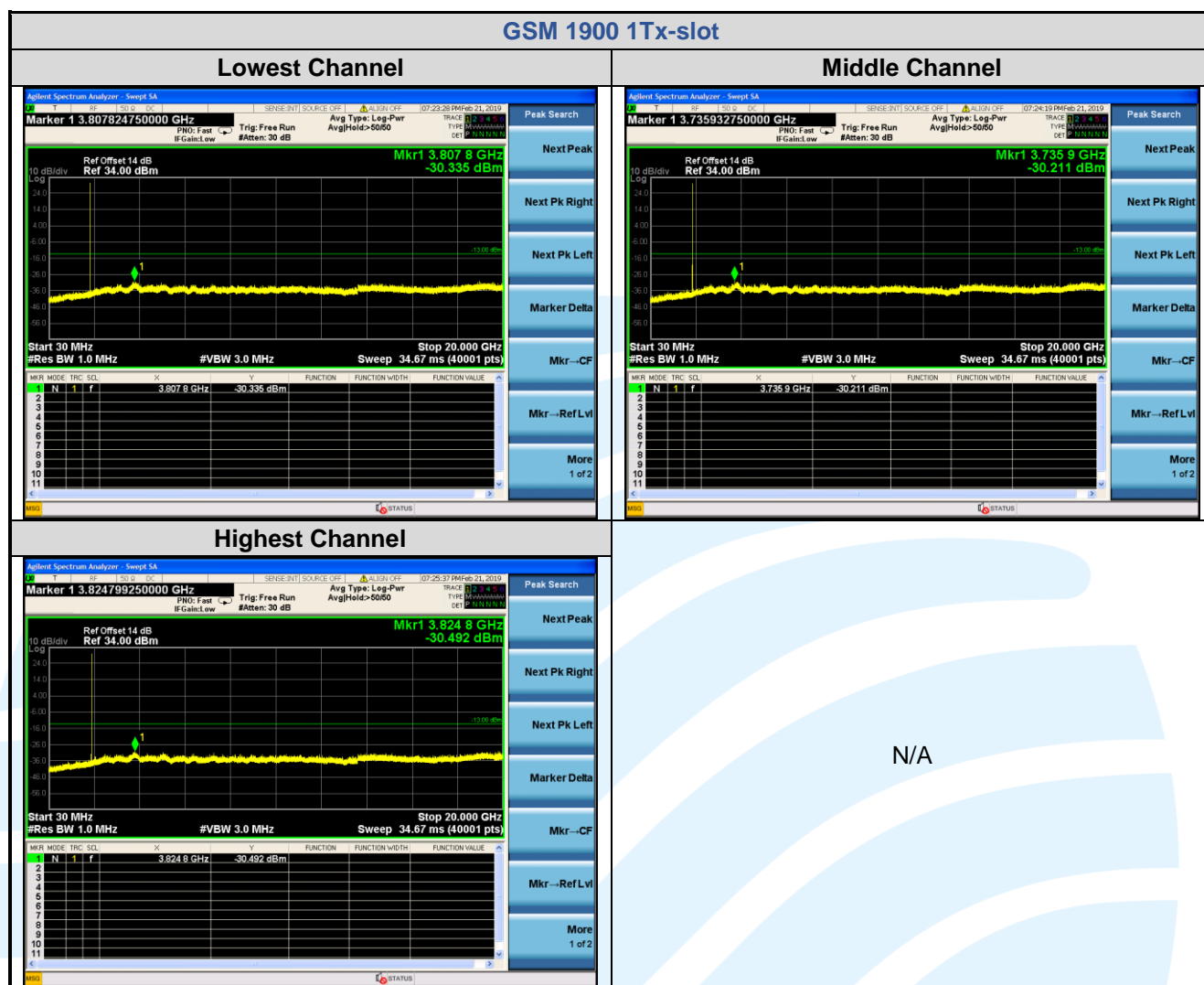
Instruments Used: Refer to section 3 for details

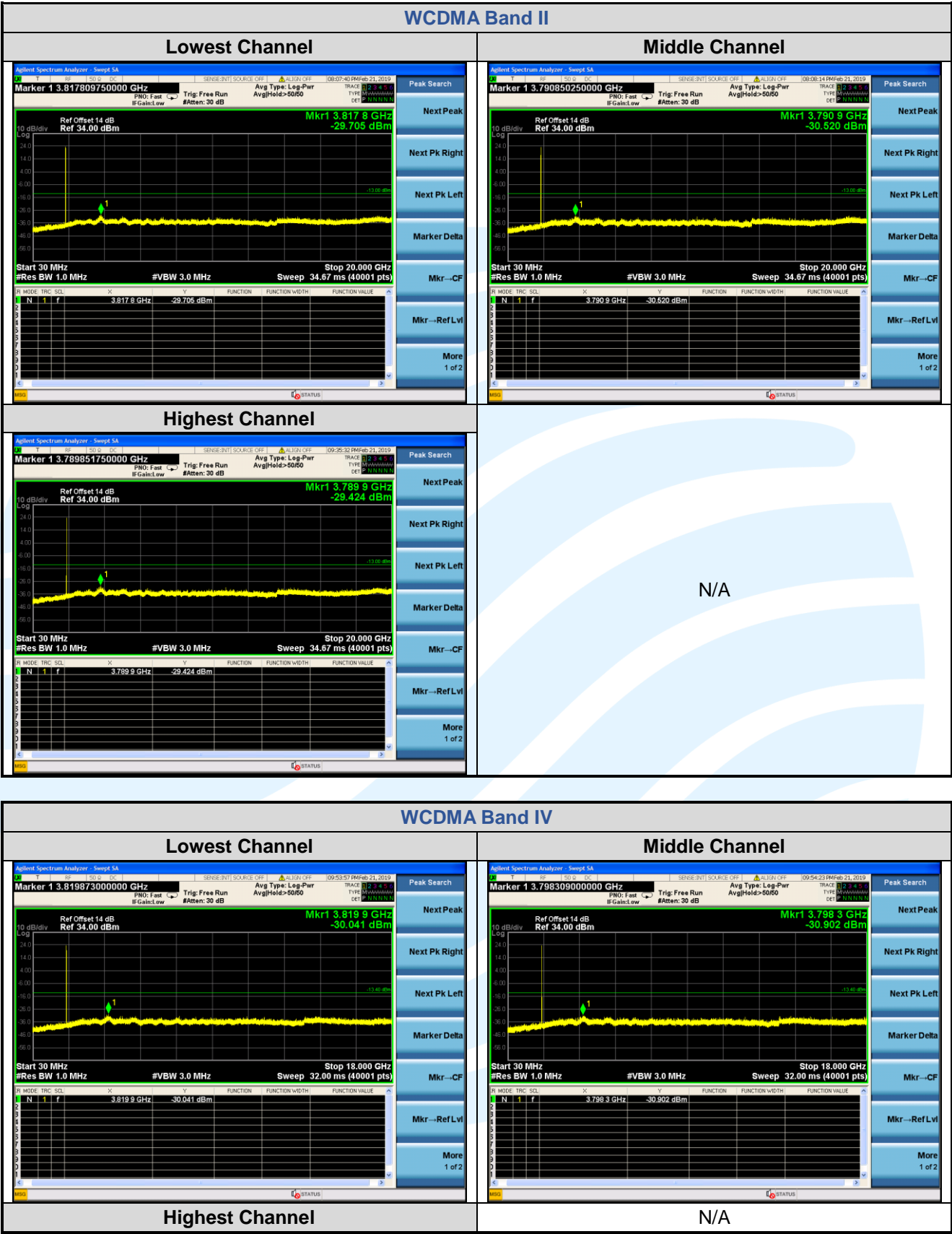
Test Mode: Link mode

Test Results: Pass

The test plots as follows:







WCDMA Band IV

Lowest Channel

Agilent Spectrum Analyzer - Sweep SA

Marker 1 3.819873000000 GHz

Ref Offset 14 dB
Ref 34.00 dBm

Mkr1 3.819 9 GHz
-30.041 dBm

Start 30 MHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 32.00 ms (40001 pts)

Stop 18.000 GHz

Table with 6 columns: R, MODE, TRC, SCL, X, Y, FUNCTION, FUNCTION WIDTH, FUNCTION VALUE

Buttons: Peak Search, Next Peak, Next Pk Right, Next Pk Left, Marker Delta, Mkr--CF, Mkr--RefLvl, More 1 of 2

Middle Channel

Agilent Spectrum Analyzer - Sweep SA

Marker 1 3.798309000000 GHz

Ref Offset 14 dB
Ref 34.00 dBm

Mkr1 3.798 3 GHz
-30.902 dBm

Start 30 MHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 32.00 ms (40001 pts)

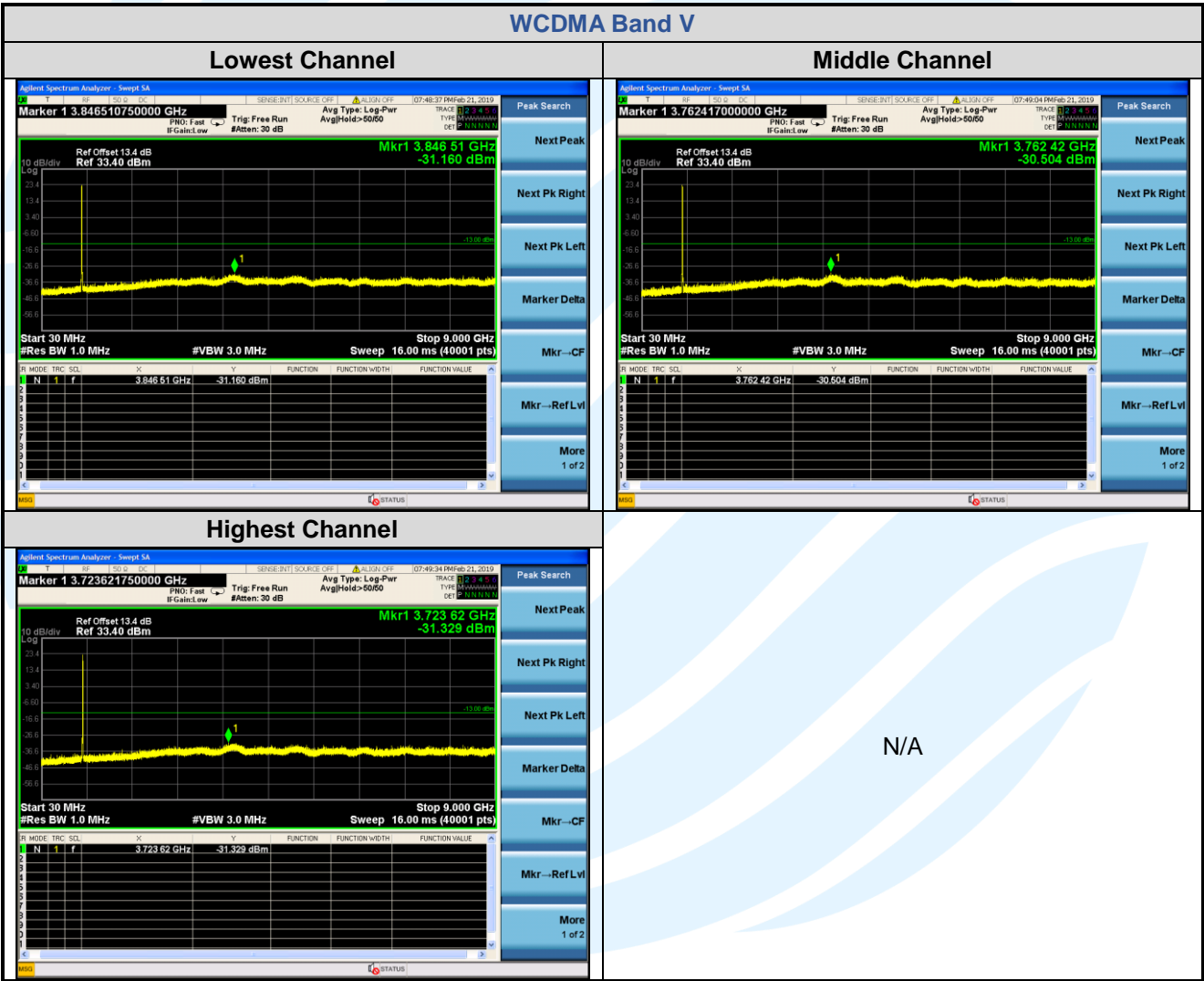
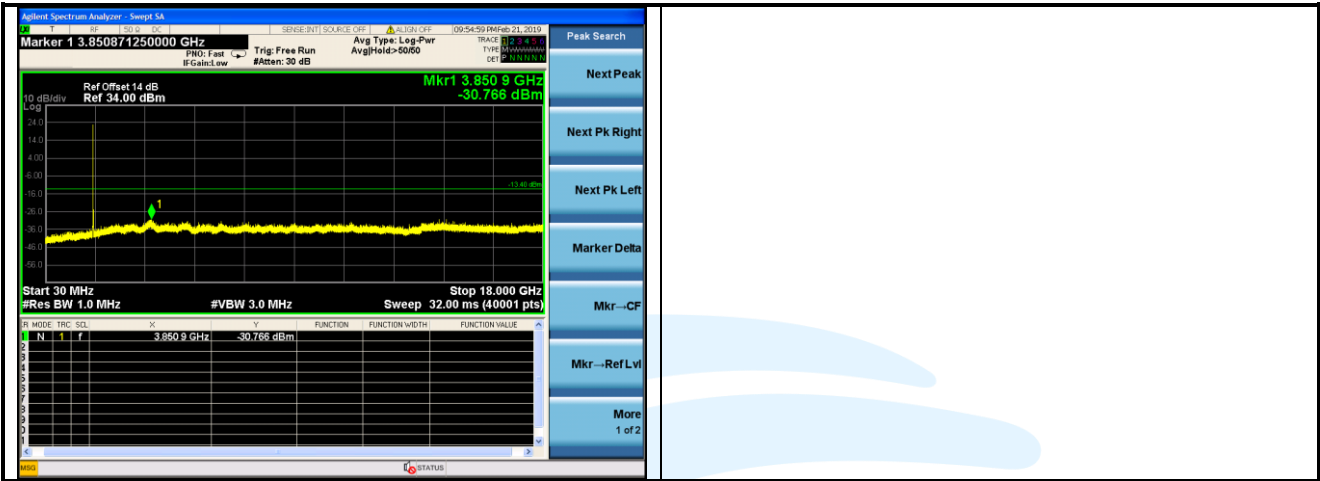
Stop 18.000 GHz

Table with 6 columns: R, MODE, TRC, SCL, X, Y, FUNCTION, FUNCTION WIDTH, FUNCTION VALUE

Buttons: Peak Search, Next Peak, Next Pk Right, Next Pk Left, Marker Delta, Mkr--CF, Mkr--RefLvl, More 1 of 2

Highest Channel

N/A



Remark:

1) All the above radiation data, the fundamental frequency is not marked, it may exceed the limit, please ignore it.

5.8 FIELD STRENGTH OF SPURIOUS RADIATION

Test Requirement: FCC 47 CFR Part 2.1051,
FCC 47 CFR Part 22.917(a)(b),
FCC 47 CFR Part 24.238(a)(b),
FCC 47 CFR Part 27.53(h)(1)

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01

Receiver Setup:

| Frequency | Detector | RBW | VBW | Remark |
|------------------|------------|---------|---------|--------|
| 0.009 MHz-30 MHz | Peak | 10 kHz | 30 KHz | Peak |
| 30 MHz-1 GHz | Quasi-peak | 100 kHz | 300 KHz | Peak |
| Above 1 GHz | Peak | 1 MHz | 3 MHz | Peak |

Limits:

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. The emission limit equal to -13 dBm.

Test Setup: Refer to section 4.2.1 for details.

Test Procedures:

1. Scan up to 10th harmonic, find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Test procedure as below:

- 1) The EUT was powered ON and placed on a 0.8/1.5m high table at a 3 meter semi/fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. Modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
- 2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
- 7) The output power into the substitution antenna was then measured.
- 8) Steps 6) and 7) were repeated with both antennas polarized.
- 9) Calculate power in dBm by the following formula:

$$\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

$$\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$

$$\text{EIRP} = \text{ERP} + 2.15\text{dB}$$

where:

Pg is the generator output power into the substitution antenna.

- 10) Test the EUT in the lowest channel, the middle channel the Highest channel
- 11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, and found the Y axis positioning which it is worse case.
- 12) Repeat above procedures until all frequencies measured was complete.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

5.8.1 Radiated Emission Test Data (30 MHz to 1 GHz)

GSM 850 1Tx-slot_Lowest Channel

Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 266.839 | -89.79 | 29.98 | -59.81 | -13.00 | -46.81 | Peak |
| 2 | 398.296 | -88.57 | 33.23 | -55.34 | -13.00 | -42.34 | Peak |
| 3 | 602.929 | -89.03 | 37.69 | -51.34 | -13.00 | -38.34 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 131.224 | -88.62 | 26.53 | -62.09 | -13.00 | -49.09 | Peak |
| 2 | 246.990 | -89.23 | 29.27 | -59.96 | -13.00 | -46.96 | Peak |
| 3 | 516.565 | -87.67 | 35.48 | -52.19 | -13.00 | -39.19 | Peak |

GSM 850 1Tx-slot_Middle Channel

Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 33.335 | -90.42 | 31.92 | -58.50 | -13.00 | -45.50 | Peak |
| 2 | 98.375 | -89.32 | 26.59 | -62.73 | -13.00 | -49.73 | Peak |
| 3 | 674.677 | -88.03 | 38.64 | -49.39 | -13.00 | -36.39 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 33.807 | -89.70 | 31.49 | -58.21 | -13.00 | -45.21 | Peak |
| 2 | 360.977 | -89.46 | 32.10 | -57.36 | -13.00 | -44.36 | Peak |
| 3 | 703.731 | -88.45 | 39.09 | -49.36 | -13.00 | -36.36 | Peak |

GSM 850 1Tx-slot_Highest Channel

Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 33.101 | -90.45 | 32.12 | -58.33 | -13.00 | -45.33 | Peak |
| 2 | 102.612 | -88.75 | 26.47 | -62.28 | -13.00 | -49.28 | Peak |
| 3 | 765.648 | -88.32 | 40.00 | -48.32 | -13.00 | -35.32 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 35.511 | -91.82 | 30.36 | -61.46 | -13.00 | -48.46 | Peak |
| 2 | 343.651 | -87.29 | 31.96 | -55.33 | -13.00 | -42.33 | Peak |
| 3 | 708.694 | -87.71 | 39.00 | -48.71 | -13.00 | -35.71 | Peak |

| GSM 1900 1Tx-slot_Lowest Channel | | | | | | | |
|----------------------------------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 31.959 | -91.82 | 33.13 | -58.69 | -13.00 | -45.69 | Peak |
| 2 | 228.617 | -90.00 | 28.49 | -61.51 | -13.00 | -48.51 | Peak |
| 3 | 932.141 | -87.13 | 42.47 | -44.66 | -13.00 | -31.66 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 33.101 | -93.01 | 32.12 | -60.89 | -13.00 | -47.89 | Peak |
| 2 | 191.784 | -89.17 | 27.89 | -61.28 | -13.00 | -48.28 | Peak |
| 3 | 952.000 | -86.91 | 42.51 | -44.40 | -13.00 | -31.40 | Peak |

| GSM 1900 1Tx-slot_Middle Channel | | | | | | | |
|----------------------------------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 32.640 | -92.02 | 32.53 | -59.49 | -13.00 | -46.49 | Peak |
| 2 | 101.893 | -89.14 | 26.54 | -62.60 | -13.00 | -49.60 | Peak |
| 3 | 952.000 | -86.80 | 42.51 | -44.29 | -13.00 | -31.29 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 35.016 | -91.64 | 30.68 | -60.96 | -13.00 | -47.96 | Peak |
| 2 | 222.281 | -88.95 | 28.10 | -60.85 | -13.00 | -47.85 | Peak |
| 3 | 881.184 | -87.84 | 41.30 | -46.54 | -13.00 | -33.54 | Peak |

GSM 1900 1Tx-slot_Highest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 32.184 | -91.27 | 32.93 | -58.34 | -13.00 | -45.34 | Peak |
| 2 | 230.230 | -90.05 | 28.59 | -61.46 | -13.00 | -48.46 | Peak |
| 3 | 919.132 | -86.46 | 42.39 | -44.07 | -13.00 | -31.07 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 37.302 | -90.35 | 29.41 | -60.94 | -13.00 | -47.94 | Peak |
| 2 | 141.769 | -89.54 | 27.09 | -62.45 | -13.00 | -49.45 | Peak |
| 3 | 642.292 | -88.29 | 38.02 | -50.27 | -13.00 | -37.27 | Peak |

WCDMA Band II RMC 12.2Kbps_Lowest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 50.461 | -70.52 | -3.79 | -74.31 | -13.00 | -61.31 | Peak |
| 2 | 158.640 | -79.72 | -0.91 | -80.63 | -13.00 | -67.63 | Peak |
| 3 | 703.731 | -80.87 | 9.86 | -71.01 | -13.00 | -58.01 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 47.703 | -75.89 | -3.46 | -79.35 | -13.00 | -66.35 | Peak |
| 2 | 105.537 | -78.36 | -2.39 | -80.75 | -13.00 | -67.75 | Peak |
| 3 | 862.802 | -80.55 | 11.95 | -68.60 | -13.00 | -55.60 | Peak |

WCDMA Band II RMC 12.2Kbps_Middle Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 50.461 | -69.79 | -3.79 | -73.58 | -13.00 | -60.58 | Peak |
| 2 | 703.731 | -80.64 | 9.86 | -70.78 | -13.00 | -57.78 | Peak |
| 3 | 868.886 | -80.78 | 12.03 | -68.75 | -13.00 | -55.75 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 30.639 | -80.56 | 5.19 | -75.37 | -13.00 | -62.37 | Peak |
| 2 | 47.703 | -75.77 | -3.46 | -79.23 | -13.00 | -66.23 | Peak |
| 3 | 965.474 | -81.15 | 14.12 | -67.03 | -13.00 | -54.03 | Peak |

| WCDMA Band II RMC 12.2Kbps_Highest Channel | | | | | | | |
|--|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 54.135 | -70.95 | -4.18 | -75.13 | -13.00 | -62.13 | Peak |
| 2 | 471.467 | -80.70 | 5.47 | -75.23 | -13.00 | -62.23 | Peak |
| 3 | 833.013 | -81.72 | 11.33 | -70.39 | -13.00 | -57.39 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 50.461 | -75.06 | -3.79 | -78.85 | -13.00 | -65.85 | Peak |
| 2 | 624.490 | -80.84 | 8.76 | -72.08 | -13.00 | -59.08 | Peak |
| 3 | 965.474 | -80.79 | 14.12 | -66.67 | -13.00 | -53.67 | Peak |

| WCDMA Band IV RMC 12.2Kbps_Lowest Channel | | | | | | | |
|---|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 50.461 | -70.26 | -3.79 | -74.05 | -13.00 | -61.05 | Peak |
| 2 | 185.163 | -74.27 | -0.25 | -74.52 | -13.00 | -61.52 | Peak |
| 3 | 899.958 | -80.20 | 12.79 | -67.41 | -13.00 | -54.41 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 75.852 | -75.41 | -3.71 | -79.12 | -13.00 | -66.12 | Peak |
| 2 | 96.323 | -76.67 | -2.29 | -78.96 | -13.00 | -65.96 | Peak |
| 3 | 965.474 | -80.55 | 14.12 | -66.43 | -13.00 | -53.43 | Peak |

WCDMA Band IV RMC 12.2Kbps_Middle Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 183.866 | -71.55 | -0.30 | -71.85 | -13.00 | -58.85 | Peak |
| 2 | 409.651 | -75.74 | 4.65 | -71.09 | -13.00 | -58.09 | Peak |
| 3 | 919.132 | -79.97 | 13.49 | -66.48 | -13.00 | -53.48 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 182.578 | -74.18 | -0.36 | -74.54 | -13.00 | -61.54 | Peak |
| 2 | 698.804 | -79.90 | 9.89 | -70.01 | -13.00 | -57.01 | Peak |
| 3 | 945.334 | -80.03 | 13.67 | -66.36 | -13.00 | -53.36 | Peak |

WCDMA Band IV RMC 12.2Kbps_Highest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 50.461 | -70.23 | -3.79 | -74.02 | -13.00 | -61.02 | Peak |
| 2 | 186.468 | -74.66 | -0.32 | -74.98 | -13.00 | -61.98 | Peak |
| 3 | 958.714 | -80.92 | 14.05 | -66.87 | -13.00 | -53.87 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 56.071 | -74.05 | -4.45 | -78.50 | -13.00 | -65.50 | Peak |
| 2 | 94.314 | -75.52 | -2.47 | -77.99 | -13.00 | -64.99 | Peak |
| 3 | 838.887 | -80.81 | 11.49 | -69.32 | -13.00 | -56.32 | Peak |

WCDMA Band V RMC 12.2Kbps_Lowest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 427.292 | -87.53 | 33.91 | -53.62 | -13.00 | -40.62 | Peak |
| 2 | 527.571 | -86.90 | 35.83 | -51.07 | -13.00 | -38.07 | Peak |
| 3 | 718.725 | -86.37 | 38.97 | -47.40 | -13.00 | -34.40 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 35.016 | -85.84 | 30.68 | -55.16 | -13.00 | -42.16 | Peak |
| 2 | 495.238 | -86.02 | 35.24 | -50.78 | -13.00 | -37.78 | Peak |
| 3 | 637.795 | -86.10 | 38.03 | -48.07 | -13.00 | -35.07 | Peak |

| WCDMA Band V RMC 12.2Kbps_Middle Channel | | | | | | | |
|--|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 376.523 | -86.57 | 32.54 | -54.03 | -13.00 | -41.03 | Peak |
| 2 | 611.462 | -86.80 | 37.86 | -48.94 | -13.00 | -35.94 | Peak |
| 3 | 760.287 | -86.22 | 40.00 | -46.22 | -13.00 | -33.22 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 35.016 | -84.68 | 30.68 | -54.00 | -13.00 | -41.00 | Peak |
| 2 | 512.948 | -86.74 | 35.33 | -51.41 | -13.00 | -38.41 | Peak |
| 3 | 718.725 | -86.28 | 38.97 | -47.31 | -13.00 | -34.31 | Peak |

| WCDMA Band V RMC 12.2Kbps_Highest Channel | | | | | | | |
|---|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 350.972 | -86.96 | 32.16 | -54.80 | -13.00 | -41.80 | Peak |
| 2 | 637.795 | -87.11 | 38.03 | -49.08 | -13.00 | -36.08 | Peak |
| 3 | 760.287 | -86.80 | 40.00 | -46.80 | -13.00 | -33.80 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 252.252 | -86.99 | 29.31 | -57.68 | -13.00 | -44.68 | Peak |
| 2 | 439.473 | -87.29 | 34.14 | -53.15 | -13.00 | -40.15 | Peak |
| 3 | 633.328 | -86.71 | 38.07 | -48.64 | -13.00 | -35.64 | Peak |

5.8.2 Radiated Emission Test Data (Above 1GHz)

GSM 850 1Tx-slot_Lowest Channel

Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1648.400 | -38.75 | 2.39 | -36.36 | -13.00 | -23.36 | Peak |
| 2 | 2472.600 | -51.68 | 9.16 | -42.52 | -13.00 | -29.52 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1648.400 | -39.56 | 4.03 | -35.53 | -13.00 | -22.53 | Peak |
| 2 | 2472.600 | -48.70 | 11.49 | -37.21 | -13.00 | -24.21 | Peak |

GSM 850 1Tx-slot_Middle Channel

Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1673.200 | -42.41 | 2.59 | -39.82 | -13.00 | -26.82 | Peak |
| 2 | 2509.800 | -49.80 | 9.17 | -40.63 | -13.00 | -27.63 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1673.200 | -28.01 | 4.31 | -23.70 | -13.00 | -10.70 | Peak |
| 2 | 2509.800 | -45.03 | 11.46 | -33.57 | -13.00 | -20.57 | Peak |

GSM 850 1Tx-slot_Highest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1697.600 | -32.24 | 2.78 | -29.46 | -13.00 | -16.46 | Peak |
| 2 | 2546.400 | -42.54 | 9.22 | -33.32 | -13.00 | -20.32 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1697.600 | -27.83 | 4.59 | -23.24 | -13.00 | -10.24 | Peak |
| 2 | 2546.400 | -44.77 | 11.45 | -33.32 | -13.00 | -20.32 | Peak |

GSM 1900 1Tx-slot_Lowest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3700.400 | -57.00 | 13.77 | -43.23 | -13.00 | -30.23 | Peak |
| 2 | 5550.600 | -66.62 | 16.02 | -50.60 | -13.00 | -37.60 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3700.400 | -51.77 | 15.13 | -36.64 | -13.00 | -23.64 | Peak |
| 2 | 5550.600 | -61.38 | 16.91 | -44.47 | -13.00 | -31.47 | Peak |

GSM 1900 1Tx-slot_Middle Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3760.000 | -54.86 | 13.87 | -40.99 | -13.00 | -27.99 | Peak |
| 2 | 5640.000 | -67.09 | 16.10 | -50.99 | -13.00 | -37.99 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3760.000 | -53.65 | 15.28 | -38.37 | -13.00 | -25.37 | Peak |
| 2 | 5640.000 | -65.25 | 16.97 | -48.28 | -13.00 | -35.28 | Peak |

| GSM 1900 1Tx-slot_Highest Channel | | | | | | | |
|-----------------------------------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3819.600 | -59.68 | 13.98 | -45.70 | -13.00 | -32.70 | Peak |
| 2 | 5729.400 | -63.79 | 16.37 | -47.42 | -13.00 | -34.42 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3819.600 | -51.20 | 15.44 | -35.76 | -13.00 | -22.76 | Peak |
| 2 | 5729.400 | -62.79 | 17.23 | -45.56 | -13.00 | -32.56 | Peak |

| WCDMA Band II RMC 12.2Kbps_Lowest Channel | | | | | | | |
|---|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3702.714 | -55.06 | 13.77 | -41.29 | -13.00 | -28.29 | Peak |
| 2 | 5554.060 | -62.53 | 16.02 | -46.51 | -13.00 | -33.51 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3702.714 | -53.49 | 15.13 | -38.36 | -13.00 | -25.36 | Peak |
| 2 | 5554.060 | -64.59 | 16.90 | -47.69 | -13.00 | -34.69 | Peak |

WCDMA Band II RMC 12.2Kbps_Middle Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3745.858 | -51.08 | 13.85 | -37.23 | -13.00 | -24.23 | Peak |
| 2 | 5618.776 | -60.43 | 16.04 | -44.39 | -13.00 | -31.39 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3745.858 | -54.37 | 15.25 | -39.12 | -13.00 | -26.12 | Peak |
| 2 | 5618.776 | -64.07 | 16.91 | -47.16 | -13.00 | -34.16 | Peak |

WCDMA Band II RMC 12.2Kbps_Highest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3811.519 | -47.95 | 13.97 | -33.98 | -13.00 | -20.98 | Peak |
| 2 | 5717.266 | -59.97 | 16.33 | -43.64 | -13.00 | -30.64 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3811.519 | -49.25 | 15.42 | -33.83 | -13.00 | -20.83 | Peak |
| 2 | 5717.266 | -60.60 | 17.19 | -43.41 | -13.00 | -30.41 | Peak |

WCDMA Band IV RMC 12.2Kbps_Lowest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 3414.304 | -48.98 | 12.37 | -36.61 | -13.00 | -23.61 | Peak |
| 2 | 5121.445 | -56.95 | 16.07 | -40.88 | -13.00 | -27.88 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3414.304 | -53.59 | 13.63 | -39.96 | -13.00 | -26.96 | Peak |
| 2 | 5121.445 | -53.00 | 17.05 | -35.95 | -13.00 | -22.95 | Peak |

| WCDMA Band IV RMC 12.2Kbps_Middle Channel | | | | | | | |
|---|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3454.087 | -48.05 | 12.66 | -35.39 | -13.00 | -22.39 | Peak |
| 2 | 5181.120 | -59.44 | 16.18 | -43.26 | -13.00 | -30.26 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3454.087 | -50.67 | 13.89 | -36.78 | -13.00 | -23.78 | Peak |
| 2 | 5181.120 | -58.41 | 17.14 | -41.27 | -13.00 | -28.27 | Peak |

| WCDMA Band IV RMC 12.2Kbps_Highest Channel | | | | | | | |
|--|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| Horizontal | | | | | | | |
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3494.334 | -49.62 | 12.96 | -36.66 | -13.00 | -23.66 | Peak |
| 2 | 5241.490 | -58.92 | 16.20 | -42.72 | -13.00 | -29.72 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 3494.334 | -51.24 | 14.17 | -37.07 | -13.00 | -24.07 | Peak |
| 2 | 5241.490 | -60.08 | 17.15 | -42.93 | -13.00 | -29.93 | Peak |

WCDMA Band V RMC 12.2Kbps_Lowest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1645.658 | -50.68 | 2.38 | -48.30 | -13.00 | -35.30 | Peak |
| 2 | 2454.225 | -53.30 | 9.15 | -44.15 | -13.00 | -31.15 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1645.658 | -52.77 | 4.00 | -48.77 | -13.00 | -35.77 | Peak |
| 2 | 2454.225 | -55.84 | 11.51 | -44.33 | -13.00 | -31.33 | Peak |

WCDMA Band V RMC 12.2Kbps_Middle Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1664.833 | -57.54 | 2.53 | -55.01 | -13.00 | -42.01 | Peak |
| 2 | 2454.225 | -59.42 | 9.15 | -50.27 | -13.00 | -37.27 | Peak |

Vertical

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1664.833 | -55.84 | 4.22 | -51.62 | -13.00 | -38.62 | Peak |
| 2 | 2454.225 | -56.81 | 11.51 | -45.30 | -13.00 | -32.30 | Peak |

WCDMA Band V RMC 12.2Kbps_Highest Channel
Horizontal

| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|-----|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| 1 | 1684.232 | -44.72 | 2.67 | -42.05 | -13.00 | -29.05 | Peak |
| 2 | 2511.751 | -54.97 | 9.18 | -45.79 | -13.00 | -32.79 | Peak |

| Vertical | | | | | | | |
|----------|-----------------|---------------|------------------------|--------------|-------------|-------------|--------|
| No. | Frequency (MHz) | Reading (dBm) | Correction factor (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
| 1 | 1684.232 | -46.97 | 4.43 | -42.54 | -13.00 | -29.54 | Peak |
| 2 | 2511.751 | -57.40 | 11.46 | -45.94 | -13.00 | -32.94 | Peak |



5.9 FREQUENCY STABILITY

Test Requirement: FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 22.355

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01

Limits: The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

Test Setup: Refer to section 4.2.2 for details.

Test Procedures:

- 1) Use CMW 500 or CMU 200 with Frequency Error measurement capability.
 - a) Temp. = -30° to $+50^{\circ}\text{C}$
 - b) Voltage = low voltage, 3.0 Vdc, Normal, 3.8 Vdc and High voltage, 4.35 Vdc.

2) Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

3) Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

Equipment Used: Refer to section 3 for details.

Test Result: Pass

| Modulation | Channel/ Frequency (MHz) | Voltage (Vdc) | Temperature ($^{\circ}\text{C}$) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Pass/ Fail |
|------------------|--------------------------------|------------------|---------------------------------------|-------------------|--------------------|----------------|------------|
| GSM 850 1Tx-slot | | | | | | | |
| GMSK | 190 / 836.6 | VL | TN | -7 | -0.0084 | ± 2.5 | Pass |
| | | VN | | -11 | -0.0131 | ± 2.5 | Pass |
| | | VH | | -5 | -0.0060 | ± 2.5 | Pass |
| | | VN | 50 | -11 | -0.0131 | ± 2.5 | Pass |
| | | | 40 | -9 | -0.0108 | ± 2.5 | Pass |
| | | | 30 | -10 | -0.0120 | ± 2.5 | Pass |
| | | | 20 | -8 | -0.0096 | ± 2.5 | Pass |
| | | | 10 | 5 | 0.0060 | ± 2.5 | Pass |
| | | | 0 | 3 | 0.0036 | ± 2.5 | Pass |
| | | | -10 | 7 | 0.0084 | ± 2.5 | Pass |
| | | | -20 | 8 | 0.0096 | ± 2.5 | Pass |
| | | | -30 | 6 | 0.0072 | ± 2.5 | Pass |

| Modulation | Channel/ Frequency (MHz) | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Pass/ Fail |
|----------------------------------|--------------------------------|------------------|---------------------|-------------------|--------------------|----------------|------------|
| WCDMA Band V RMC 12.2Kbps | | | | | | | |
| BPSK | 4182 / 836.4 | VL | TN | -7 | -0.0084 | ± 2.5 | Pass |
| | | VN | | -6 | -0.0072 | ± 2.5 | Pass |
| | | VH | | -5 | -0.0060 | ± 2.5 | Pass |
| | | VN | 50 | -10 | -0.0120 | ± 2.5 | Pass |
| | | | 40 | -8 | -0.0096 | ± 2.5 | Pass |
| | | | 30 | -10 | -0.0120 | ± 2.5 | Pass |
| | | | 20 | 7 | 0.0084 | ± 2.5 | Pass |
| | | | 10 | 5 | 0.0060 | ± 2.5 | Pass |
| | | | 0 | 5 | 0.0060 | ± 2.5 | Pass |
| | | | -10 | 6 | 0.0072 | ± 2.5 | Pass |
| | | | -20 | 9 | 0.0108 | ± 2.5 | Pass |
| | | | -30 | 6 | 0.0072 | ± 2.5 | Pass |

| Modulation | Channel/ Frequency (MHz) | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Pass/ Fail |
|--------------------------|--------------------------------|------------------|---------------------|-------------------|--------------------|----------------|------------|
| GSM 1900 1Tx-slot | | | | | | | |
| GMSK | 661 / 1880.0 | VL | TN | -7 | -0.0037 | Note 1 | Pass |
| | | VN | | -9 | -0.0048 | | Pass |
| | | VH | | -5 | -0.0027 | | Pass |
| | | VN | 50 | -11 | -0.0059 | | Pass |
| | | | 40 | -13 | -0.0069 | | Pass |
| | | | 30 | -9 | -0.0048 | | Pass |
| | | | 20 | -7 | -0.0037 | | Pass |
| | | | 10 | 5 | 0.0027 | | Pass |
| | | | 0 | 7 | 0.0037 | | Pass |
| | | | -10 | 7 | 0.0037 | | Pass |
| | | | -20 | 9 | 0.0048 | | Pass |
| | | | -30 | 6 | 0.0032 | | Pass |

| Modulation | Channel/ Frequency (MHz) | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Pass/ Fail |
|-----------------------------------|--------------------------------|------------------|---------------------|-------------------|--------------------|----------------|------------|
| WCDMA Band II RMC 12.2Kbps | | | | | | | |
| BPSK | 9400 / 1880.0 | VL | TN | -5 | -0.0027 | Note 1 | Pass |
| | | VN | | -9 | -0.0048 | | Pass |
| | | VH | | -8 | -0.0043 | | Pass |
| | | VN | 50 | -11 | -0.0059 | | Pass |
| | | | 40 | -13 | -0.0069 | | Pass |
| | | | 30 | -9 | -0.0048 | | Pass |
| | | | 20 | -7 | -0.0037 | | Pass |
| | | | 10 | 5 | 0.0027 | | Pass |
| | | | 0 | 3 | 0.0016 | | Pass |
| | | | -10 | 7 | 0.0037 | | Pass |
| | | | -20 | 3 | 0.0016 | | Pass |
| | | | -30 | 6 | 0.0032 | | Pass |

| Modulation | Channel/ Frequency (MHz) | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Pass/ Fail |
|----------------------------|--------------------------------|------------------|---------------------|-------------------|--------------------|----------------|------------|
| WCDMA Band IV RMC 12.2Kbps | | | | | | | |
| BMSK | 1412 / 1732.4 | VL | TN | -8 | -0.0046 | Note 1 | Pass |
| | | VN | | -9 | -0.0052 | | Pass |
| | | VH | | -5 | -0.0029 | | Pass |
| | | VN | 50 | -9 | -0.0052 | | Pass |
| | | | 40 | -13 | -0.0075 | | Pass |
| | | | 30 | -8 | -0.0046 | | Pass |
| | | | 20 | 7 | 0.0040 | | Pass |
| | | | 10 | 5 | 0.0029 | | Pass |
| | | | 0 | 8 | 0.0046 | | Pass |
| | | | -10 | 7 | 0.0040 | | Pass |
| | | | -20 | 5 | 0.0029 | | Pass |
| | | | -30 | 6 | 0.0035 | | Pass |

Note1: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.
