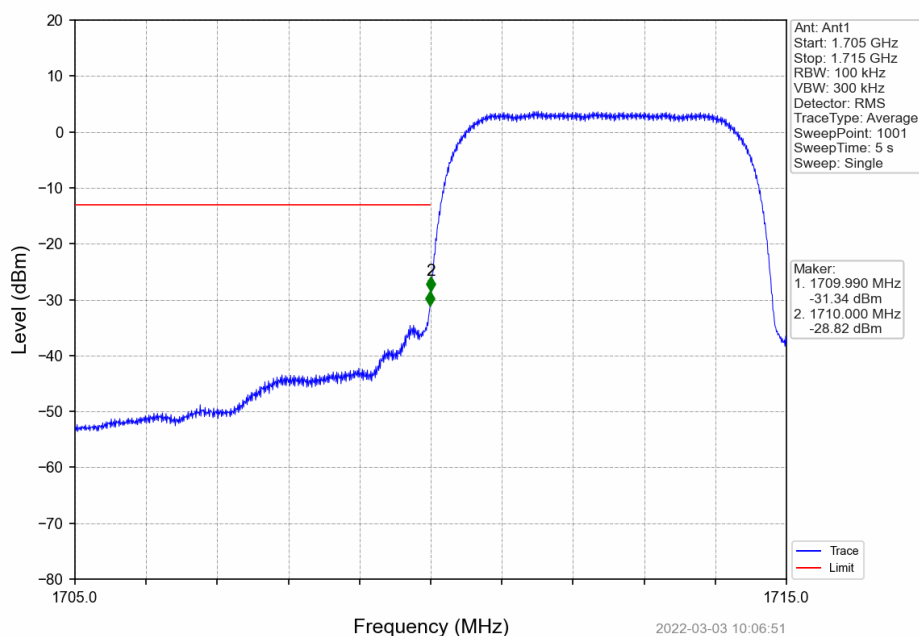
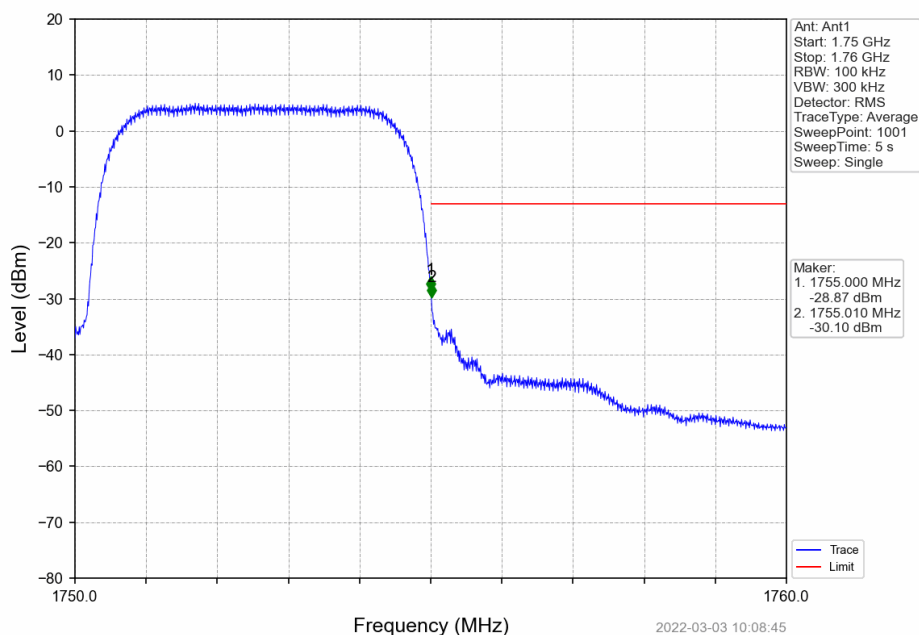


Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



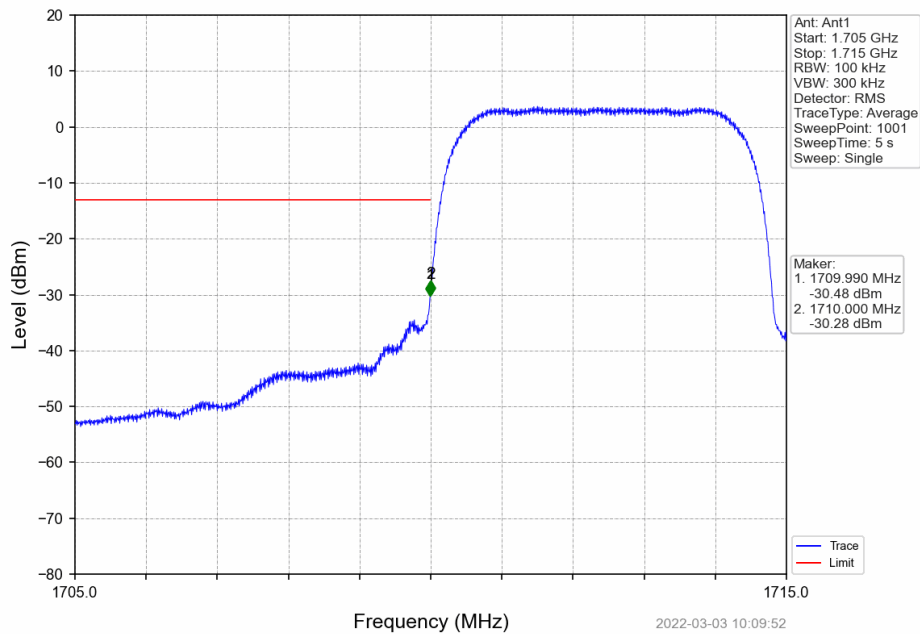
Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



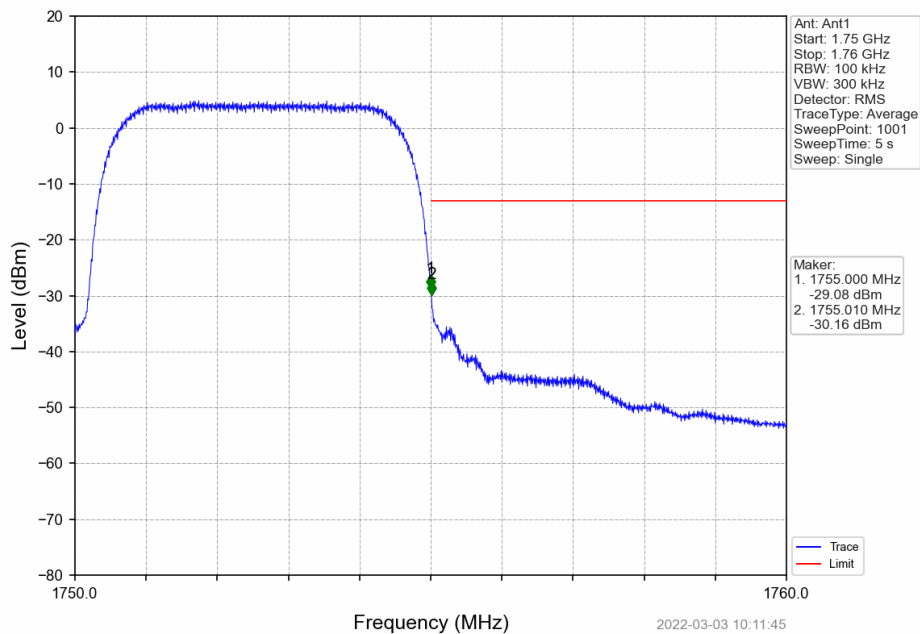
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### Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



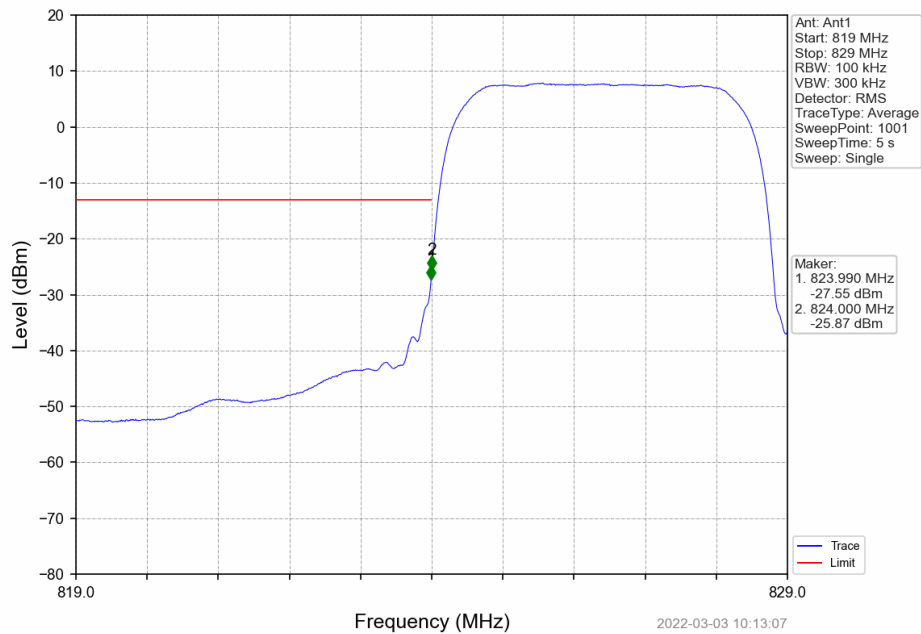
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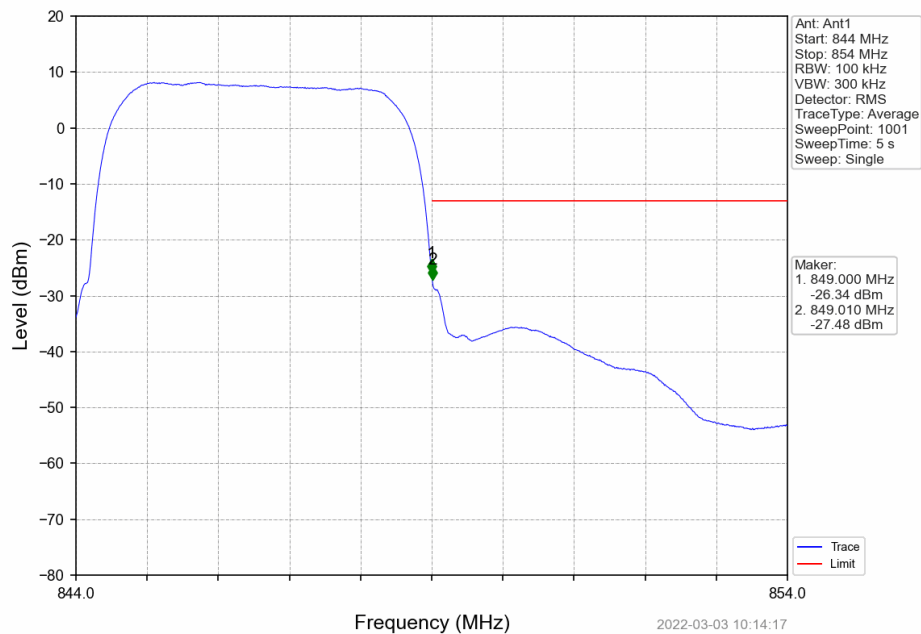
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Band5\_RMC\_LCH\_826.4MHz\_12.2kbps RMC\_NTNV



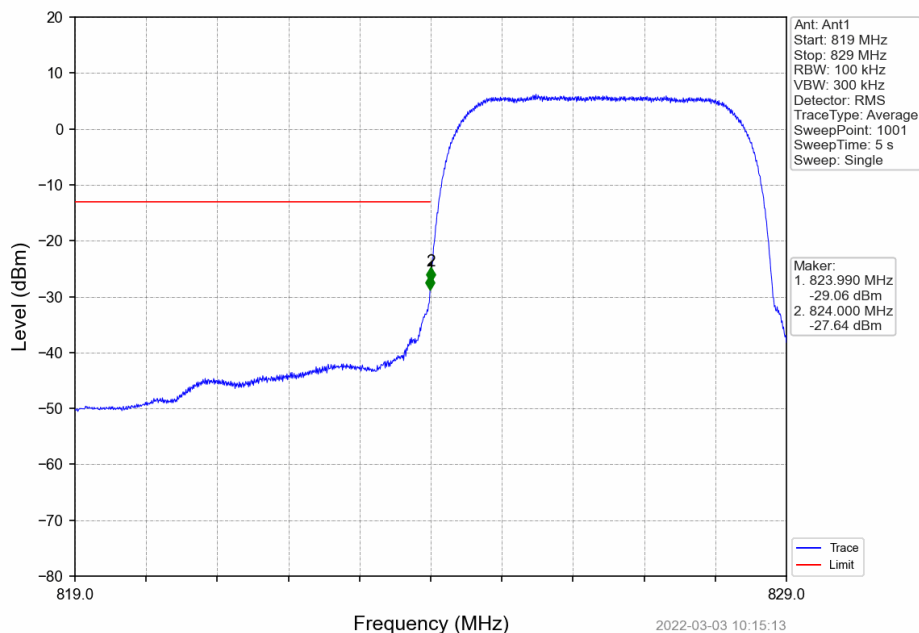
Band5\_RMC\_HCH\_846.6MHz\_12.2kbps RMC\_NTNV



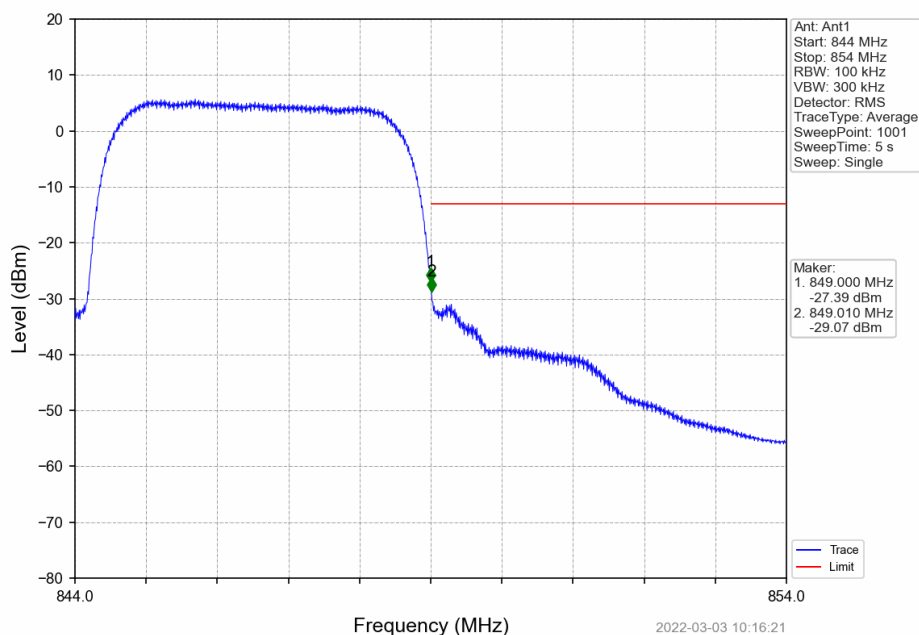
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### Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



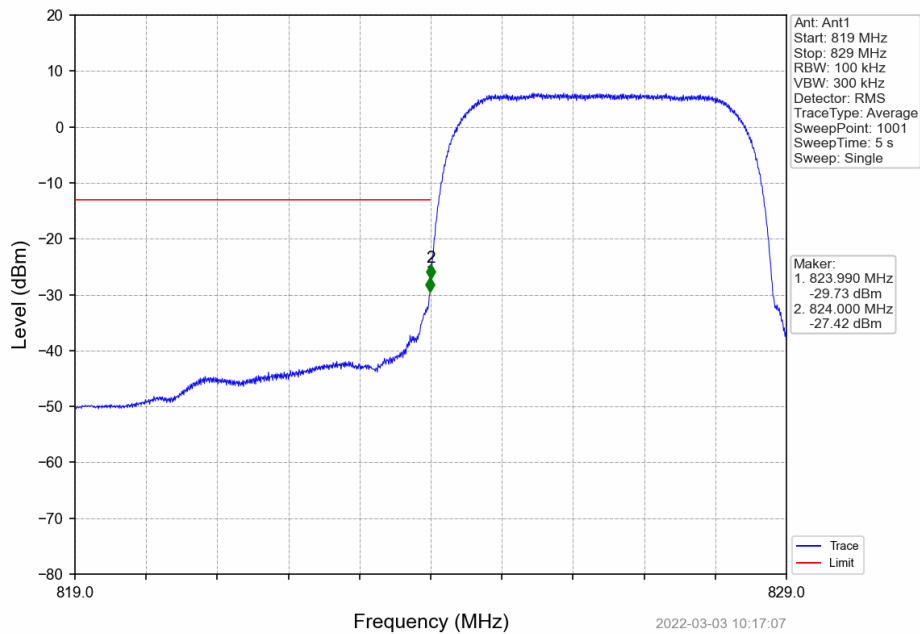
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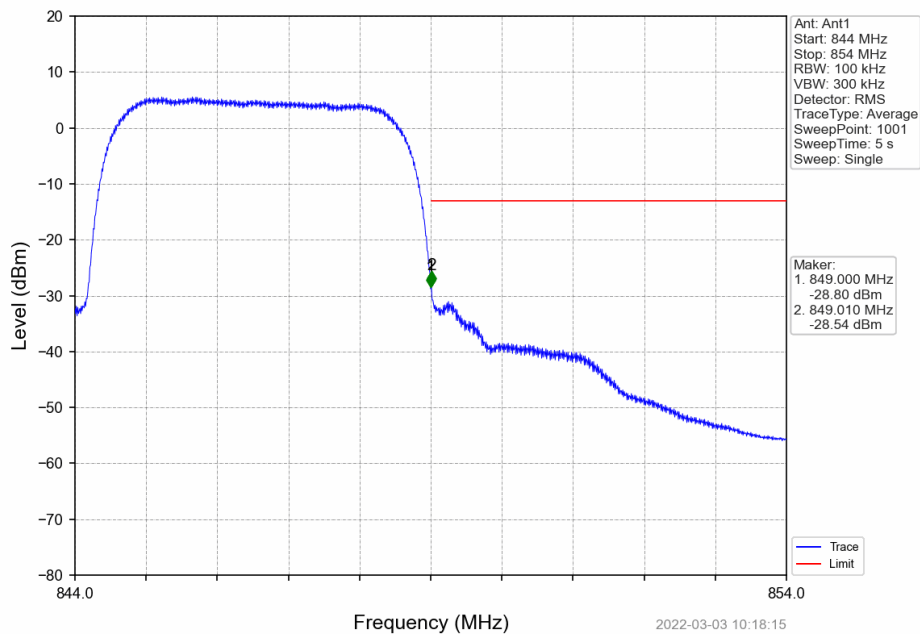
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### Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



### Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



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## 6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: ≤ -13dBm

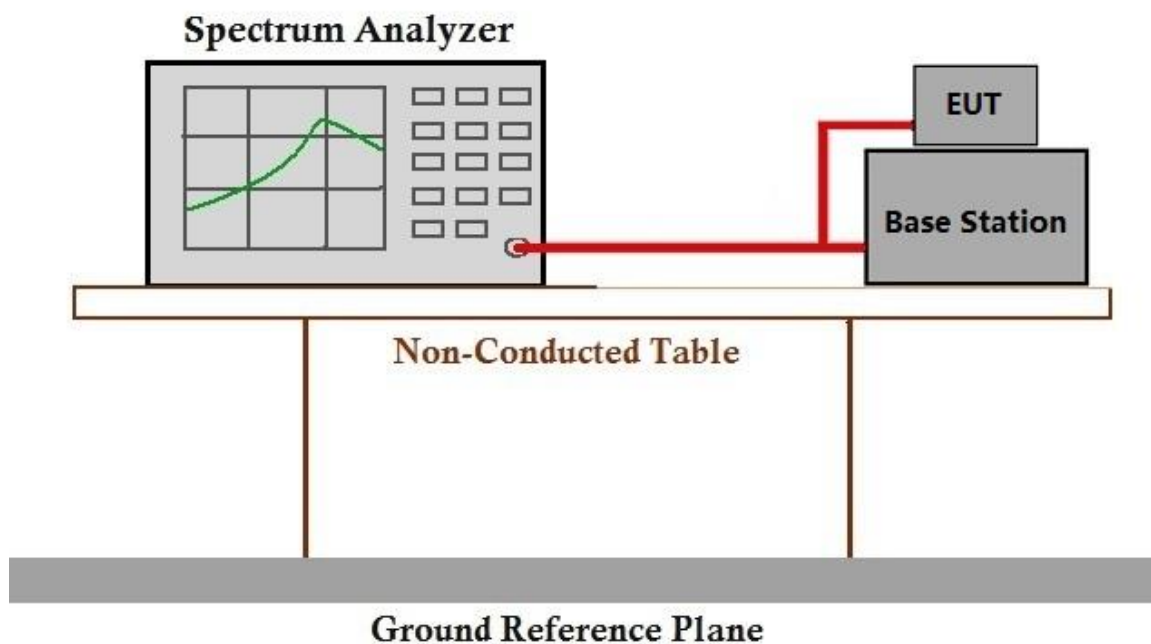
### 6.5.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C Humidity: 45.5 % RH Atmospheric Pressure: 1010 mbar

Test mode: 20: TX mode\_Keep the EUT in transmitting mode

### 6.5.2 Test Setup Diagram



### 6.5.3 Measurement Data

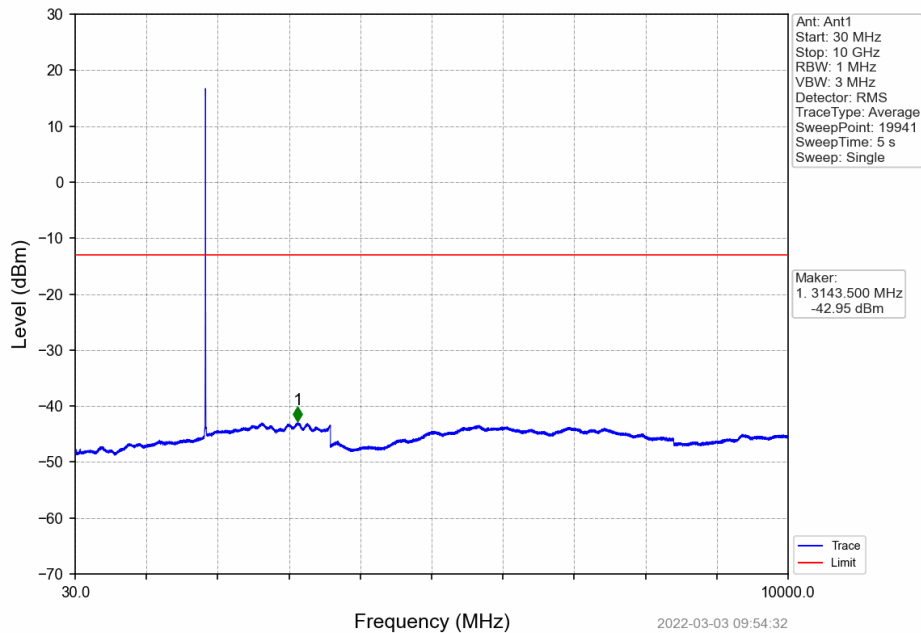


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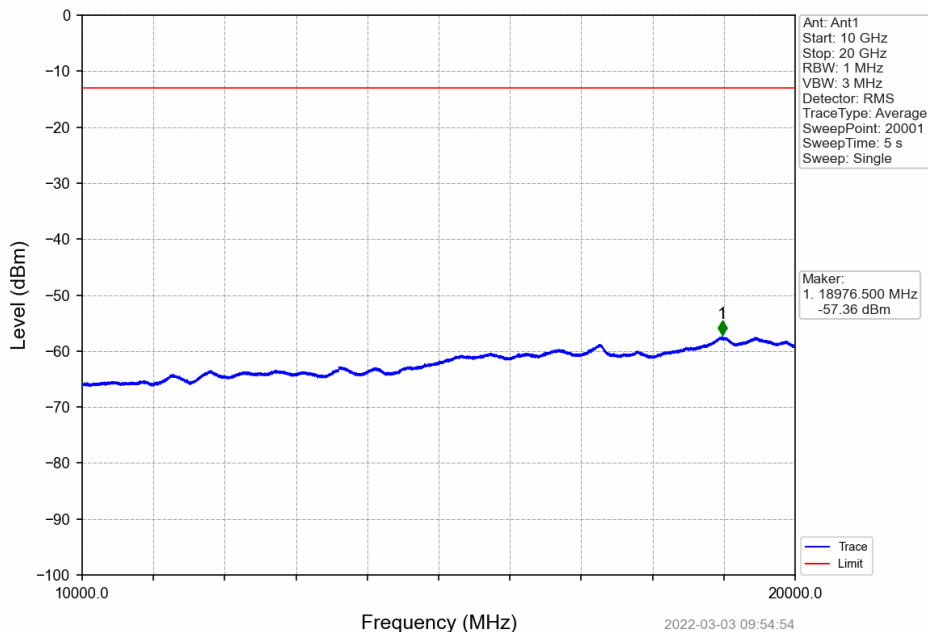
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### Band2\_RMC\_LCH\_1852.4MHz\_12.2kbps\_RMC\_NTNV



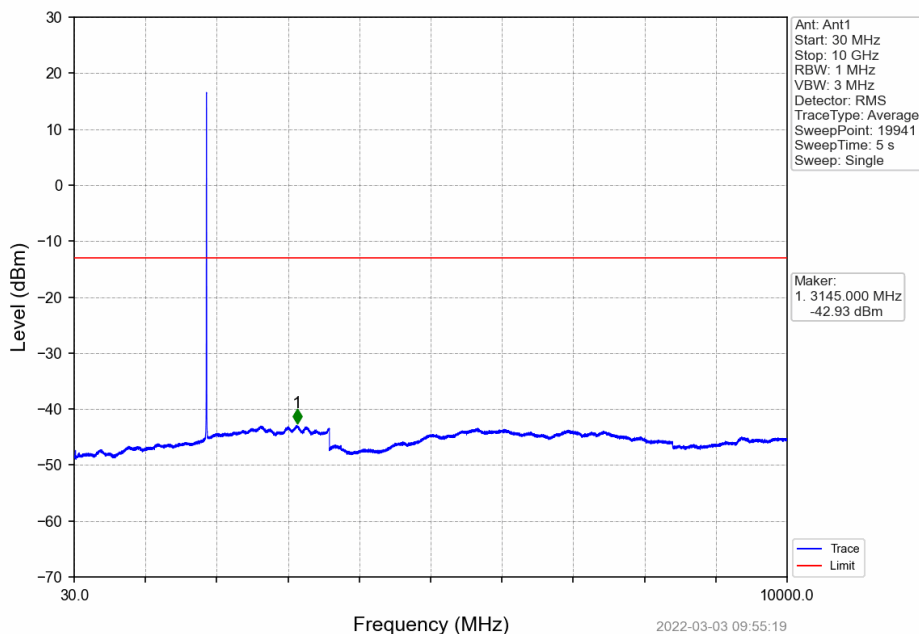
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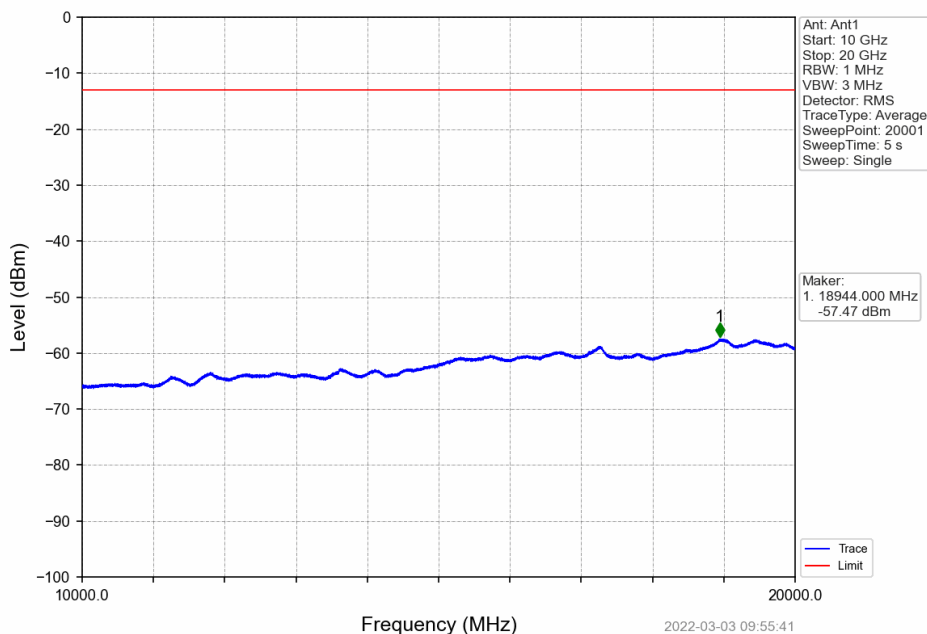
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### Band2\_RMC\_MCH\_1880MHz\_12.2kbps\_RMC\_NTNV



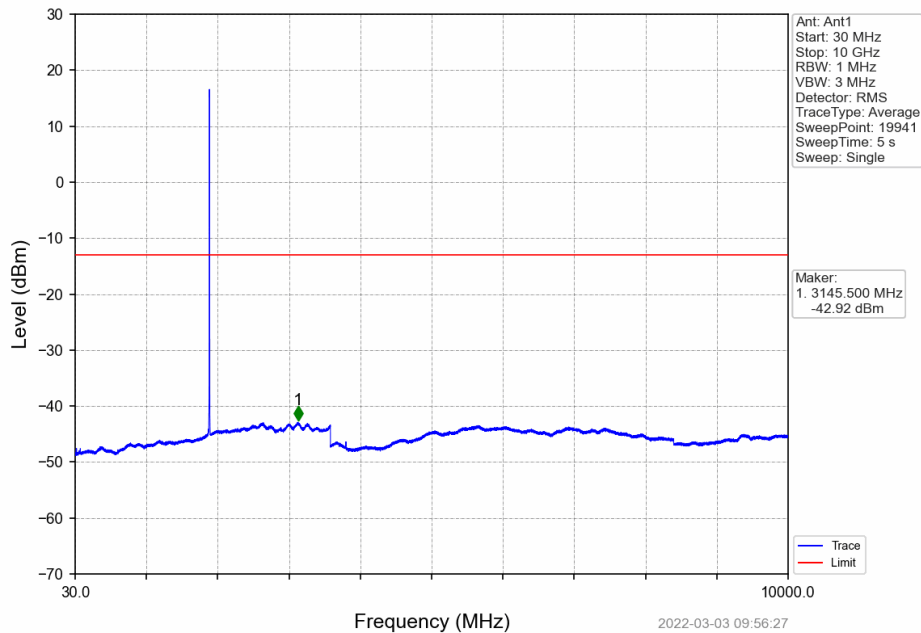
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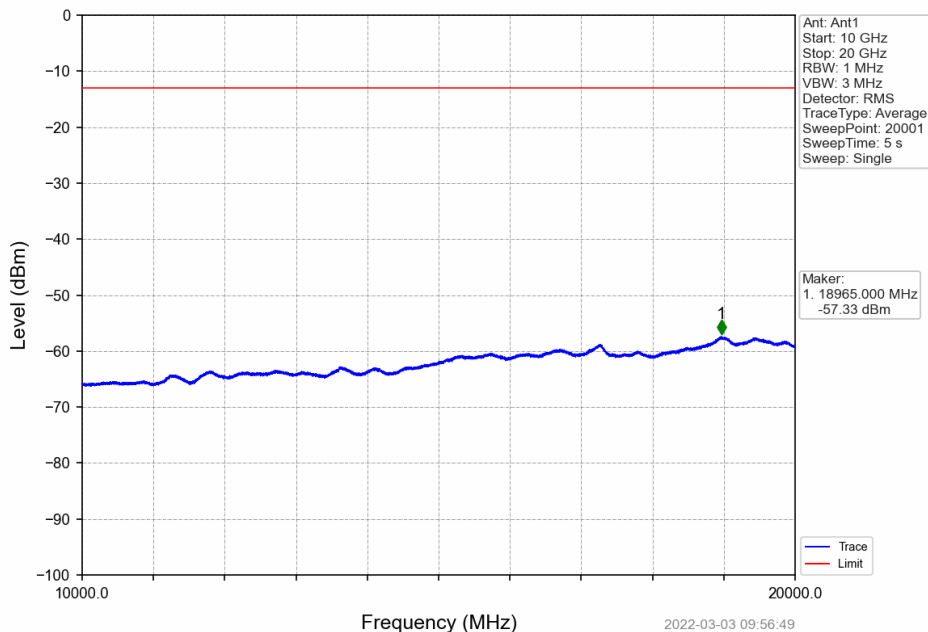
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### Band2\_RMC\_HCH\_1907.6MHz\_12.2kbps\_RMC\_NTNV



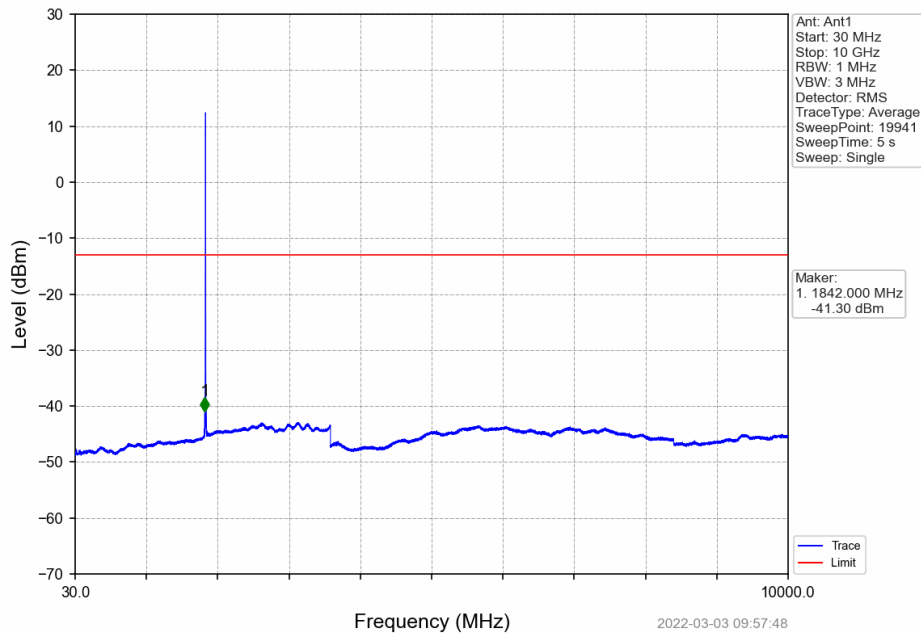
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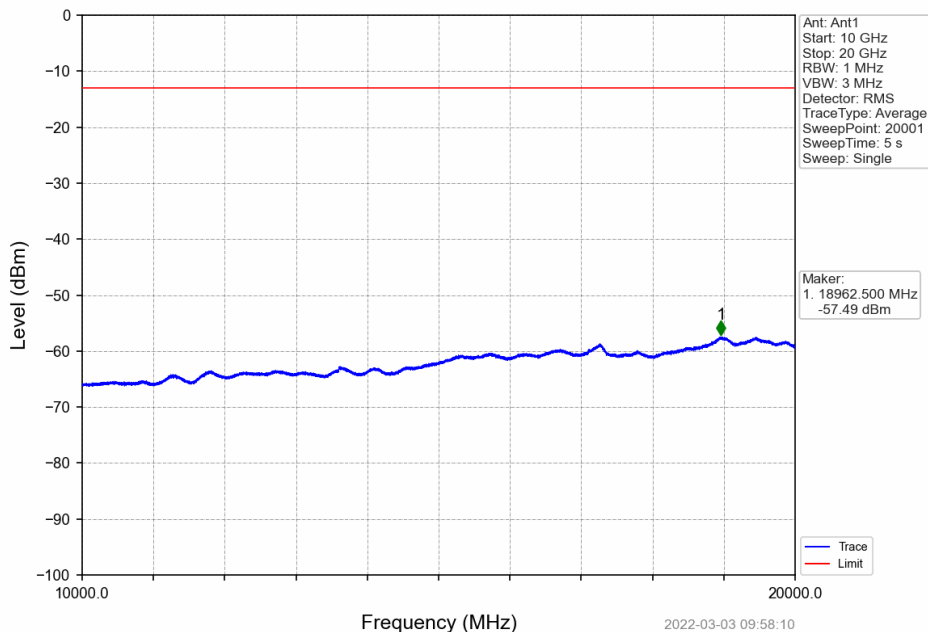
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### Band2\_HSDPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



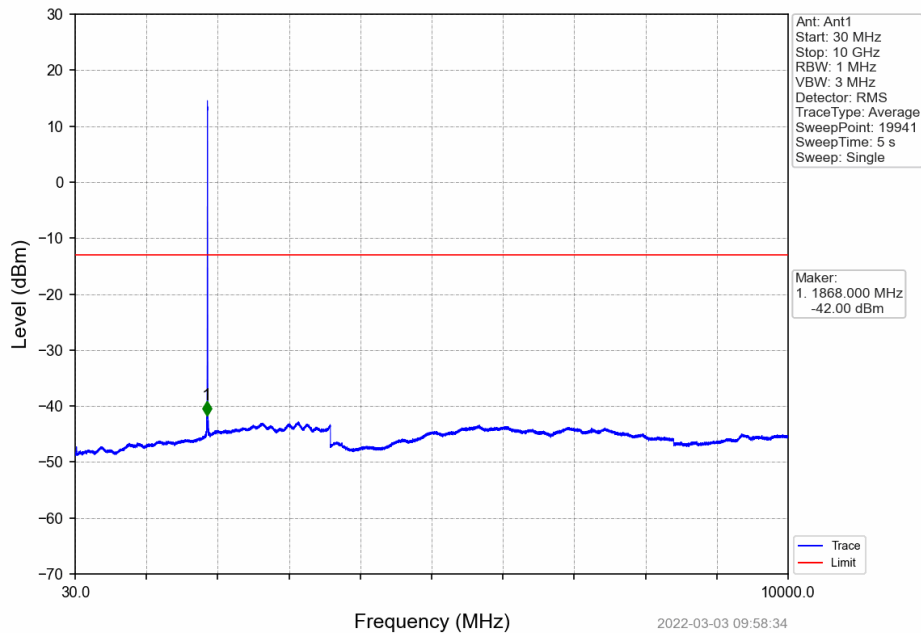
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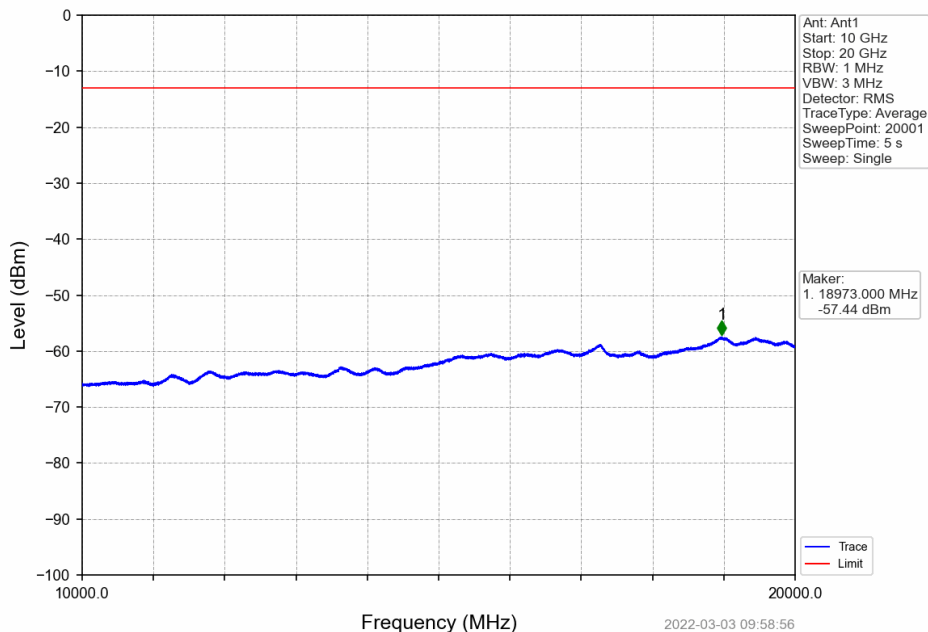
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### Band2\_HSDPA\_MCH\_1880MHz\_Subtest 1\_NTNV



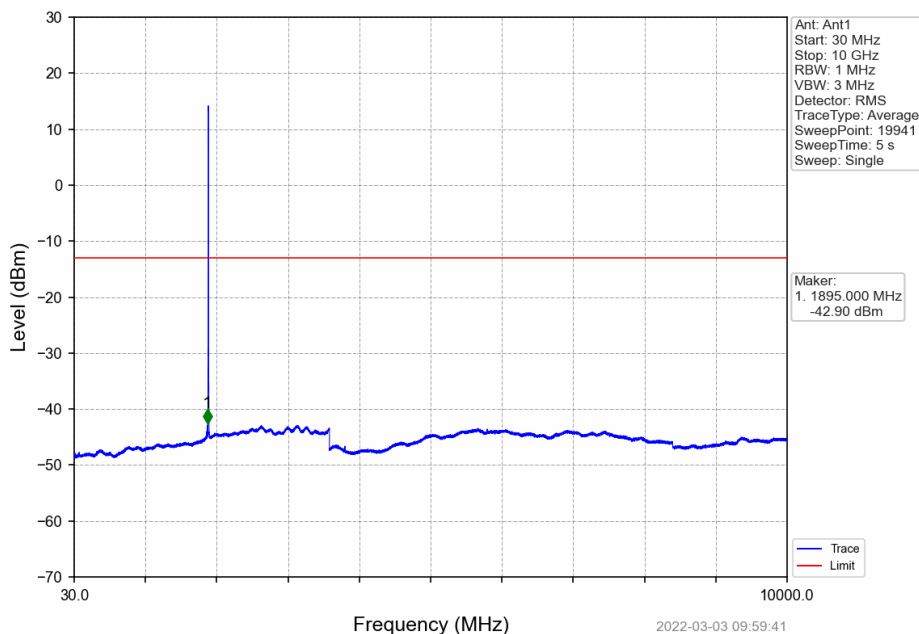
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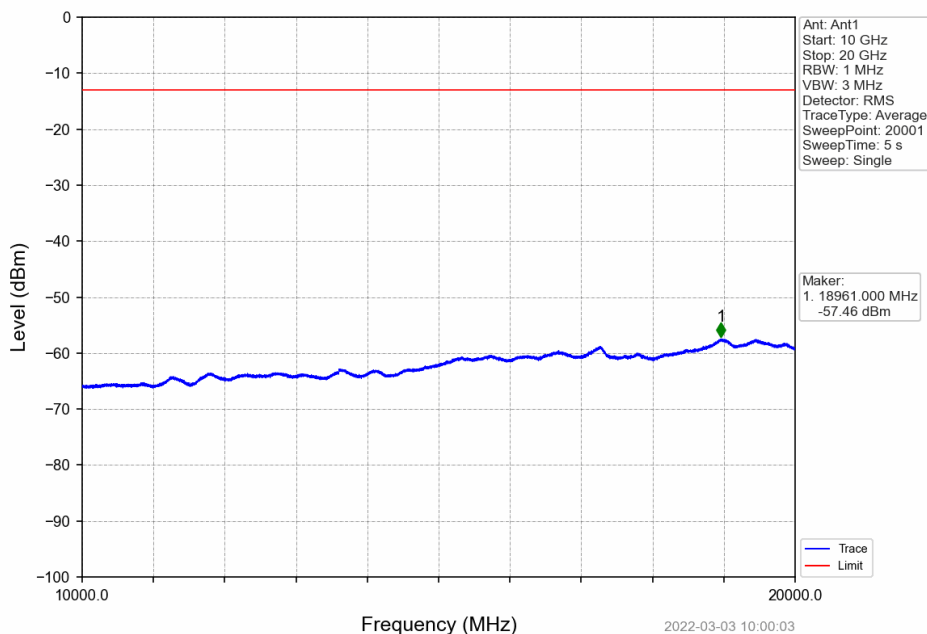
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### Band2\_HSDPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



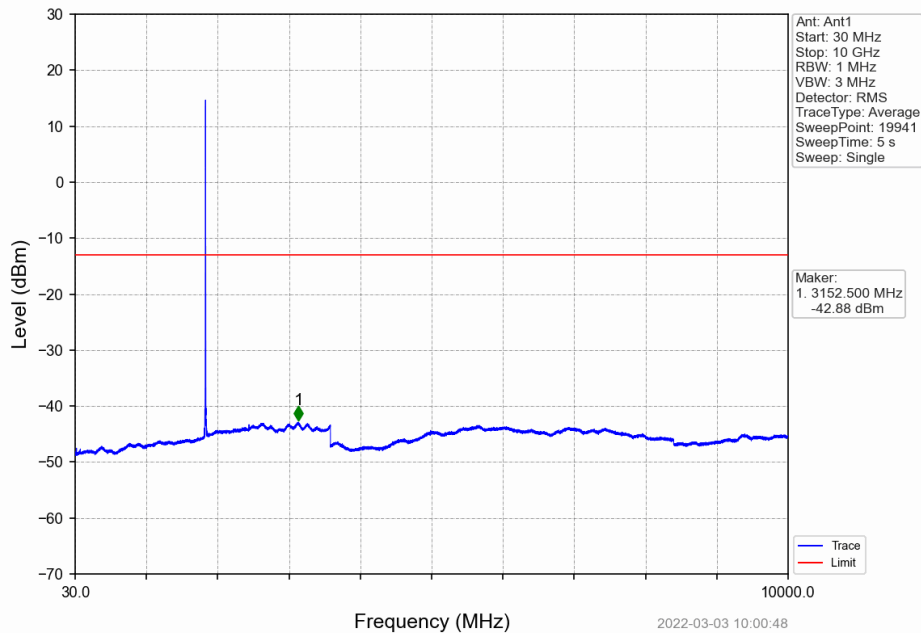
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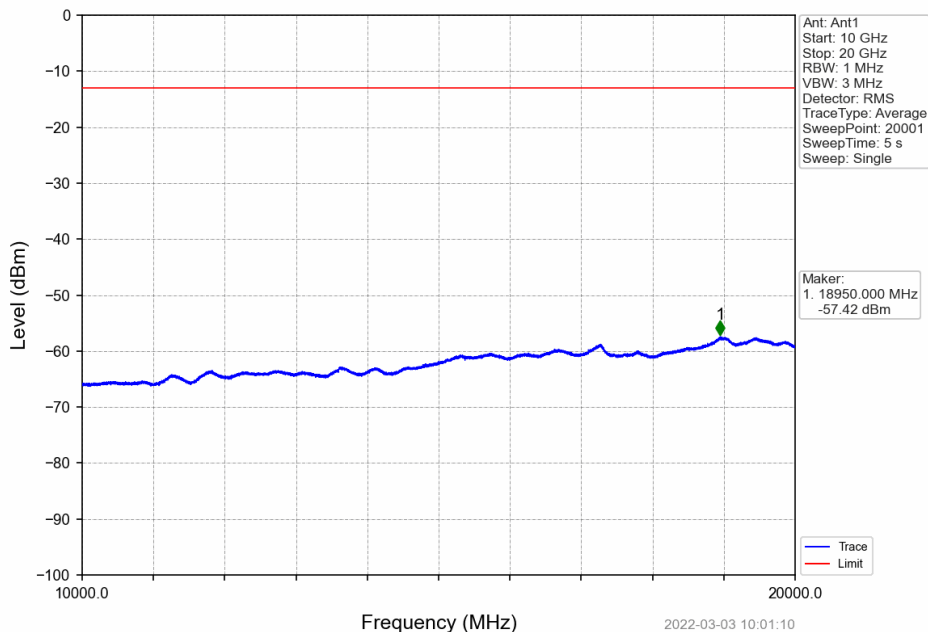
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### Band2 HSUPA LCH 1852.4MHz Subtest 1 NTN



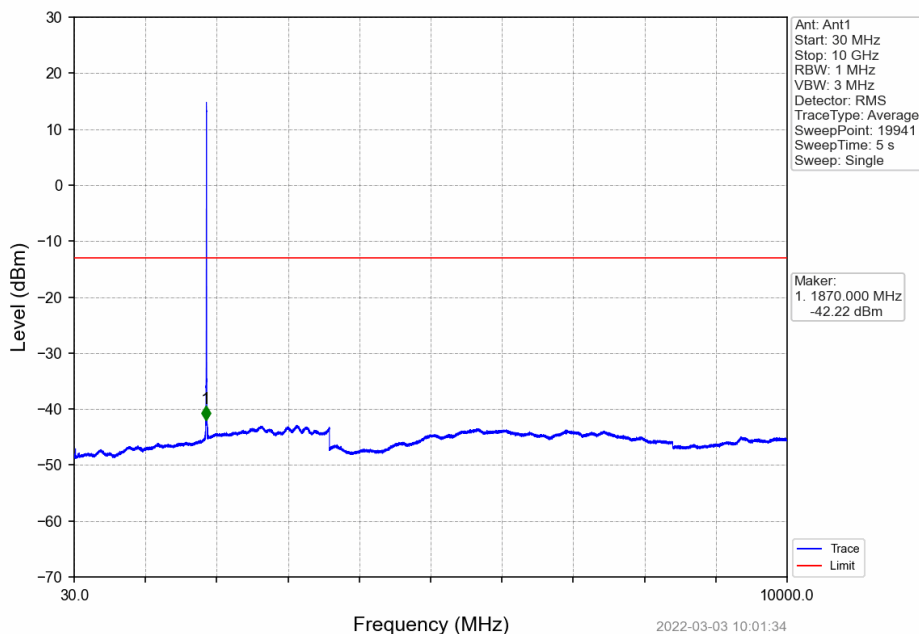
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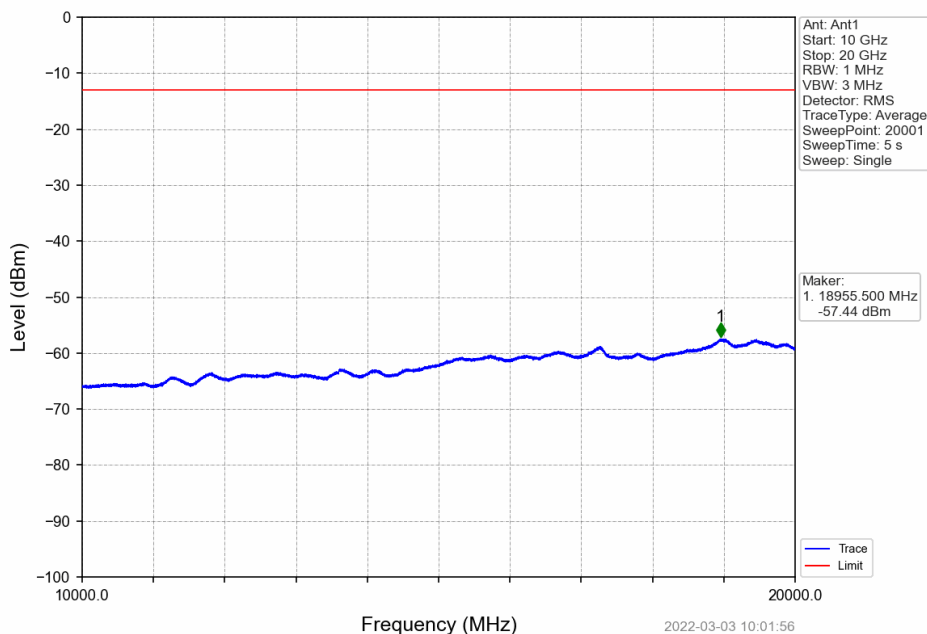
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### Band2\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



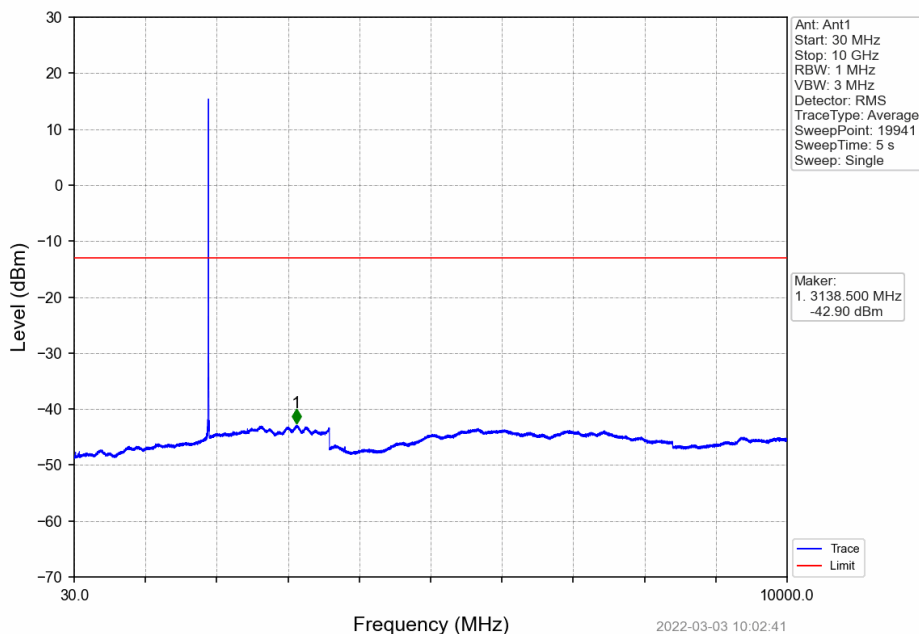
### Band2\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



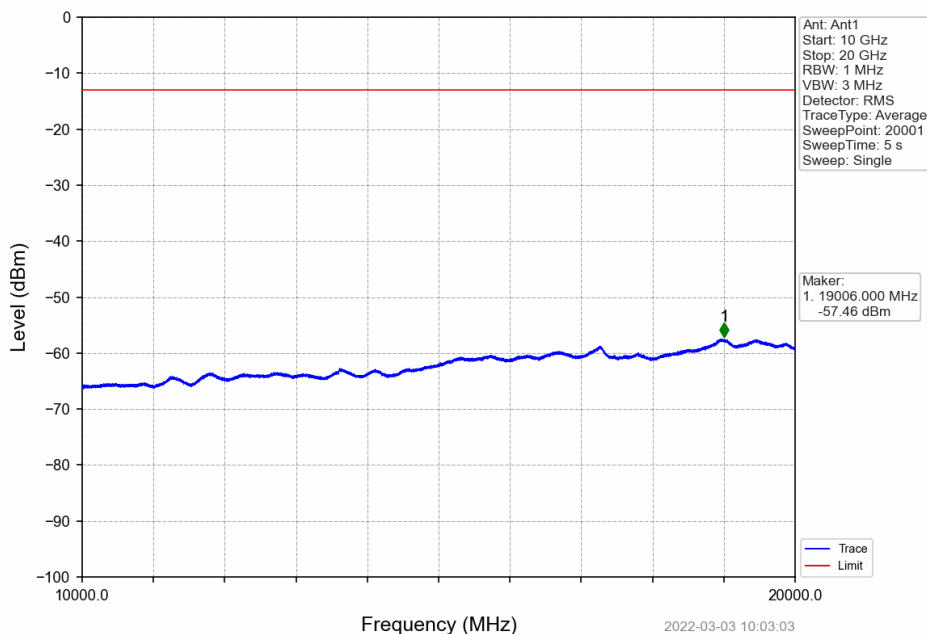
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### Band2\_HSUPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



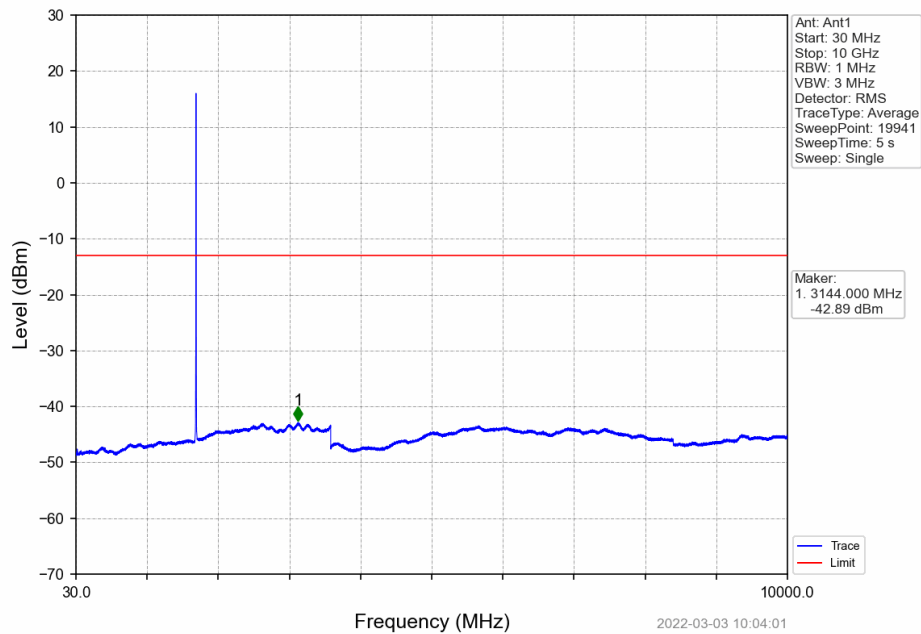
### Band2\_HSUPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



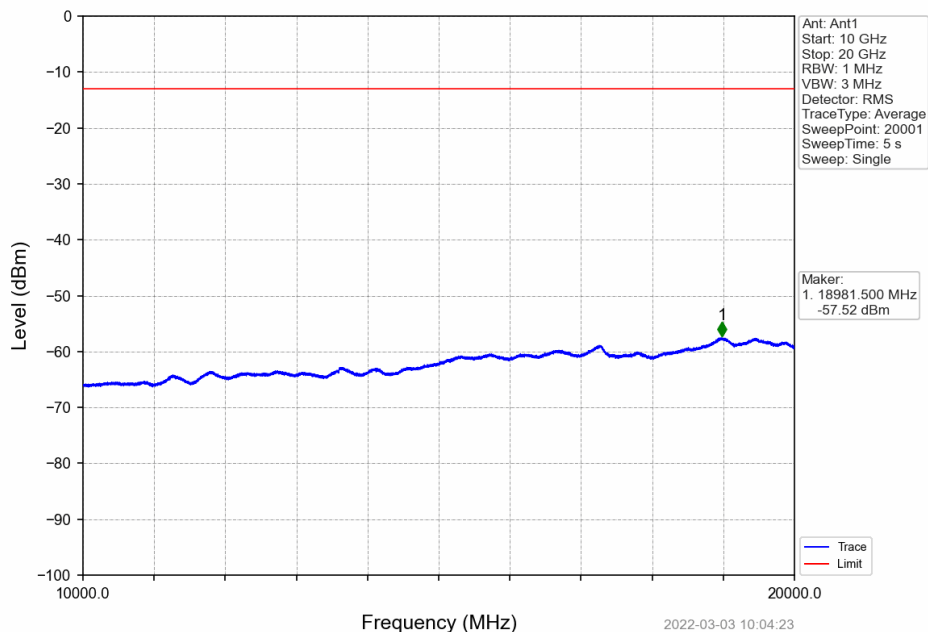
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Band4\_RMC\_LCH\_1712.4MHz\_12.2kbps RMC\_NTNV



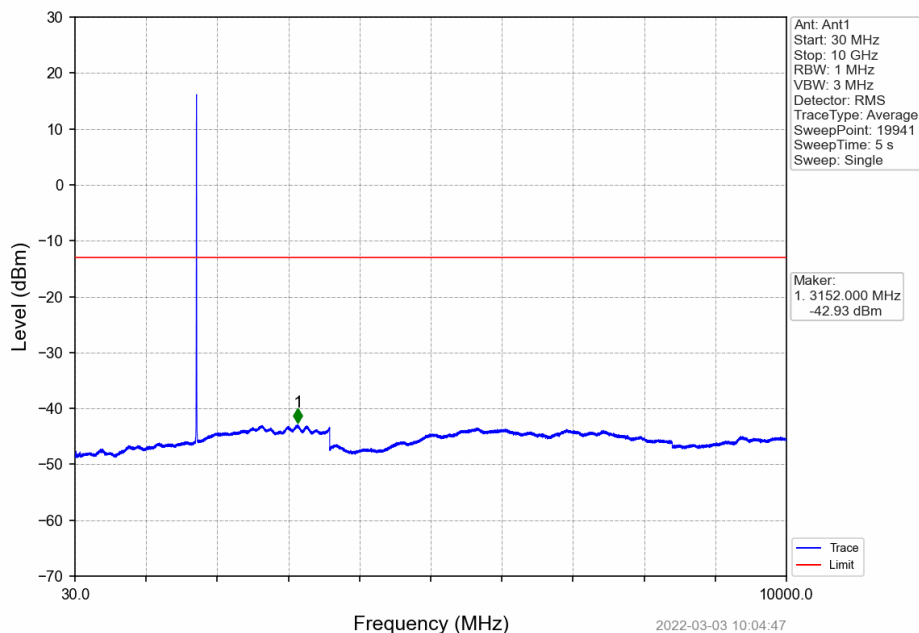
Band4\_RMC\_LCH\_1712.4MHz\_12.2kbps RMC\_NTNV



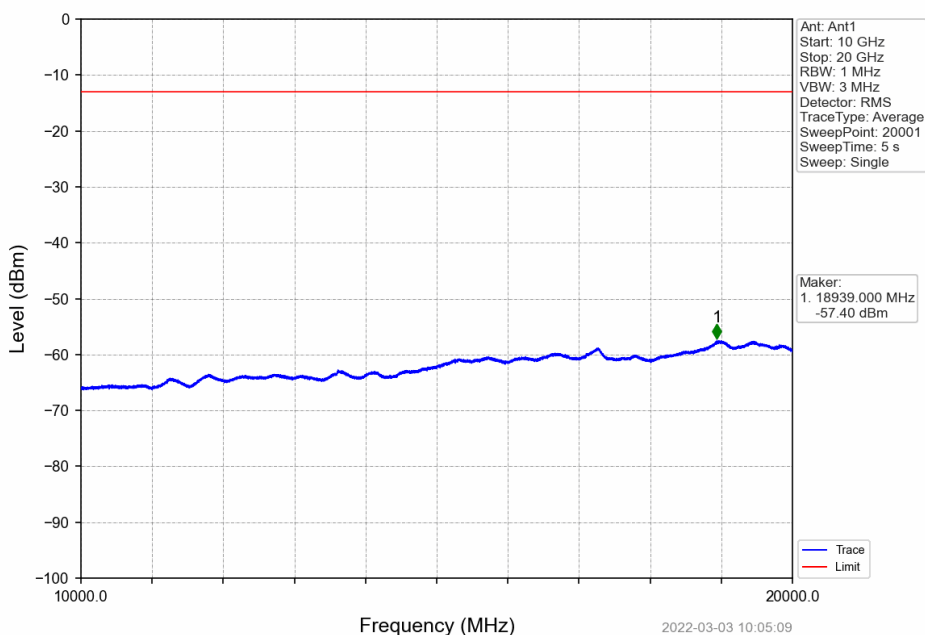
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Band4\_RMC\_MCH\_1732.6MHz\_12.2kbps RMC\_NTNV



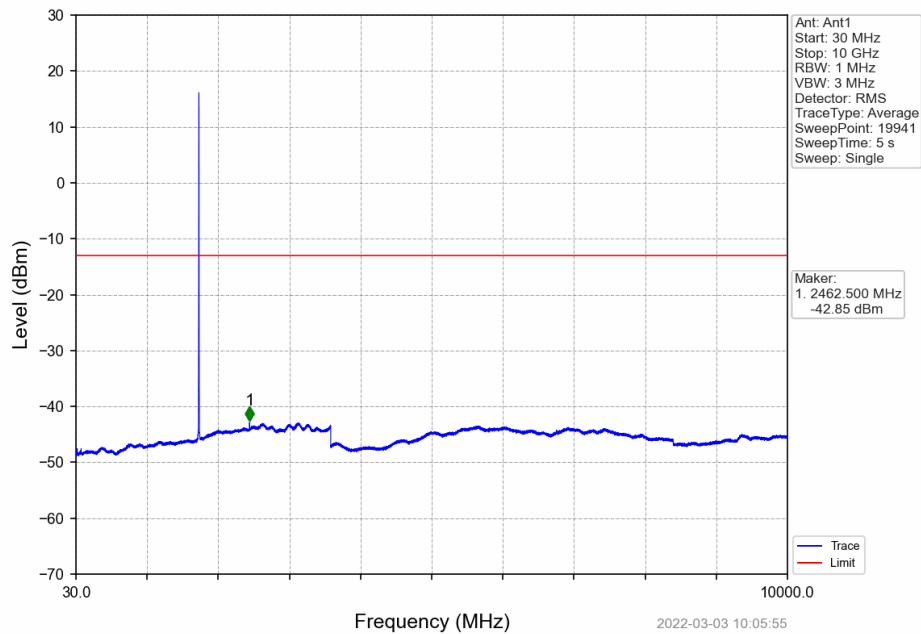
Band4\_RMC\_MCH\_1732.6MHz\_12.2kbps RMC\_NTNV



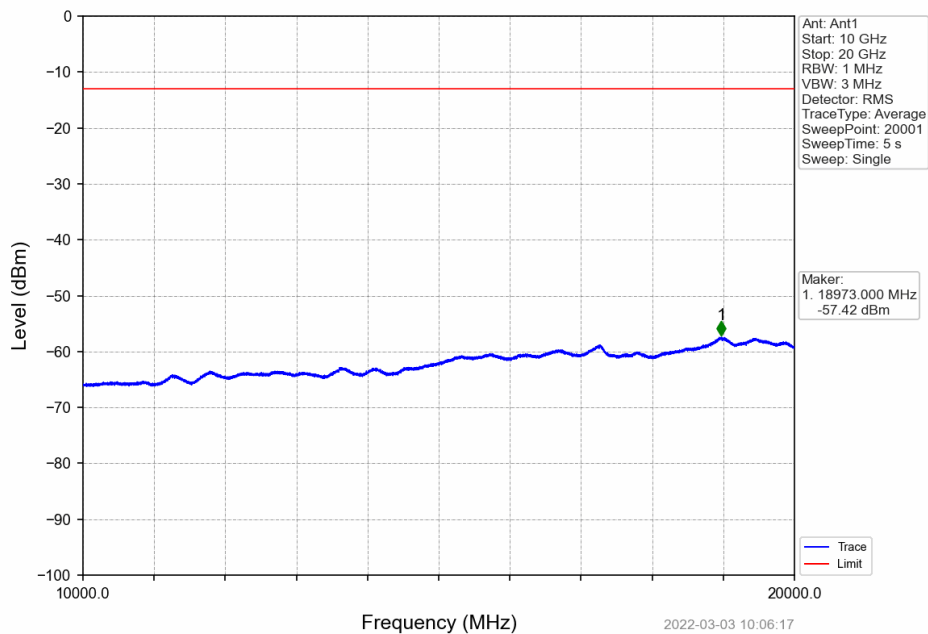
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Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



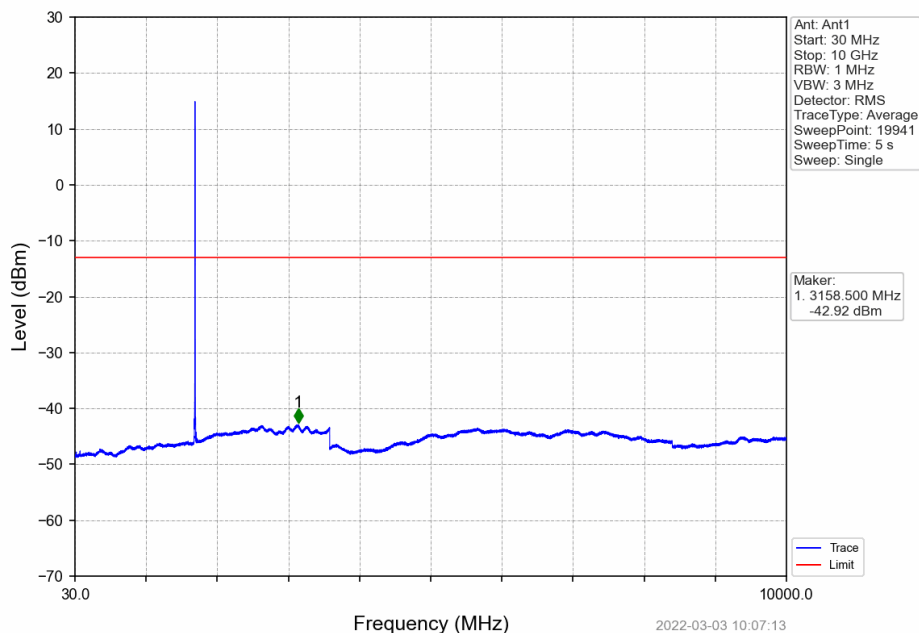
Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



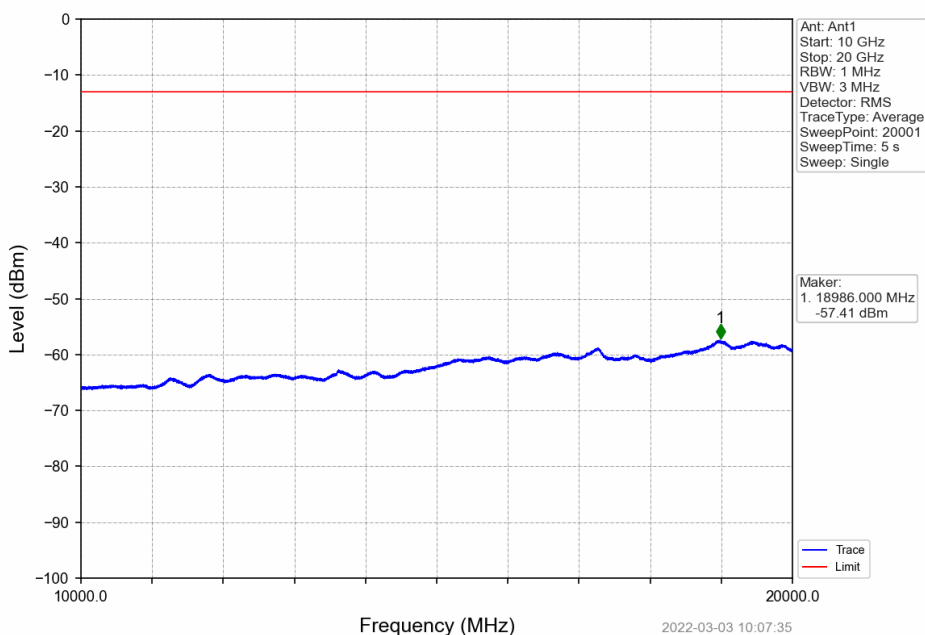
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Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



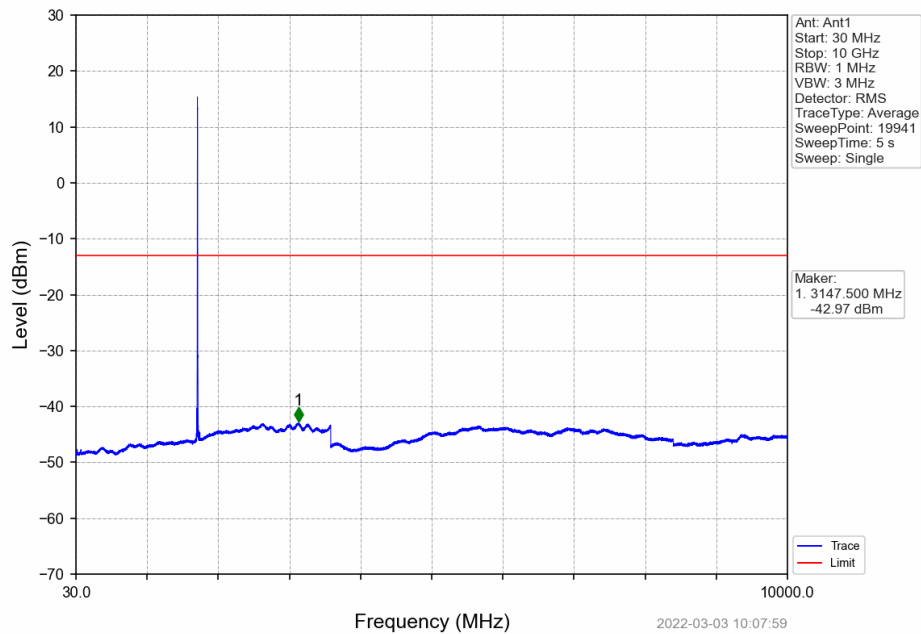
Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



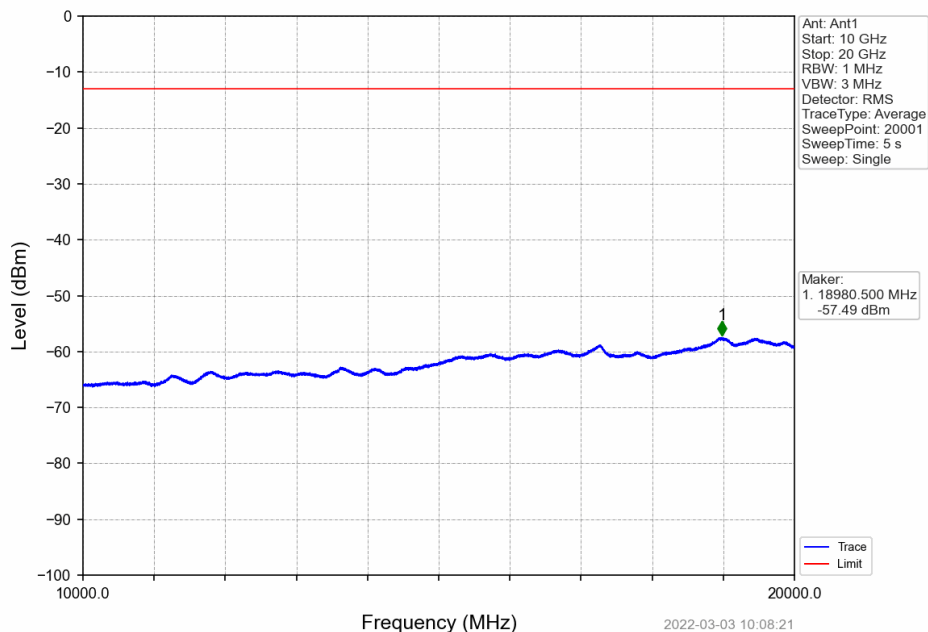
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Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



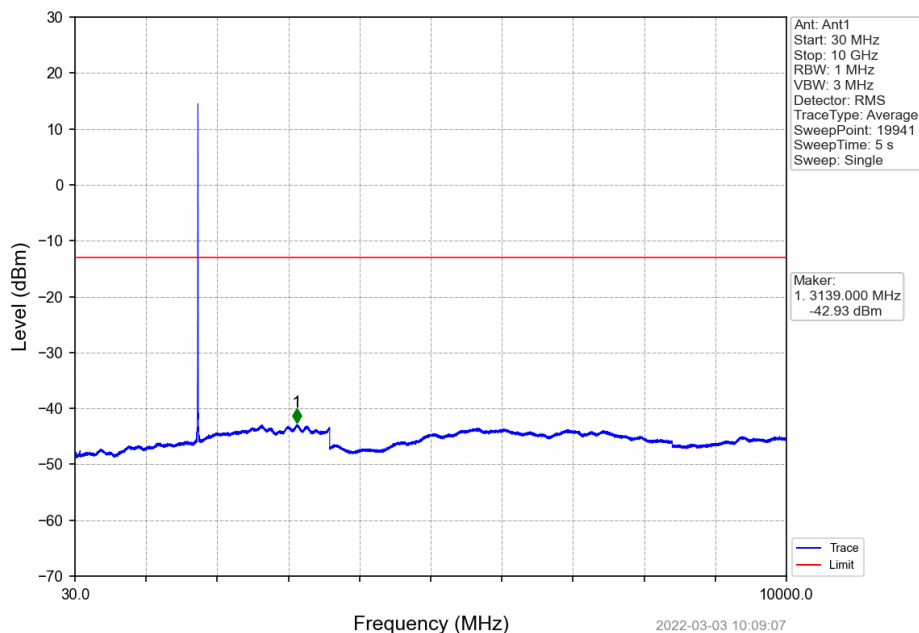
Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



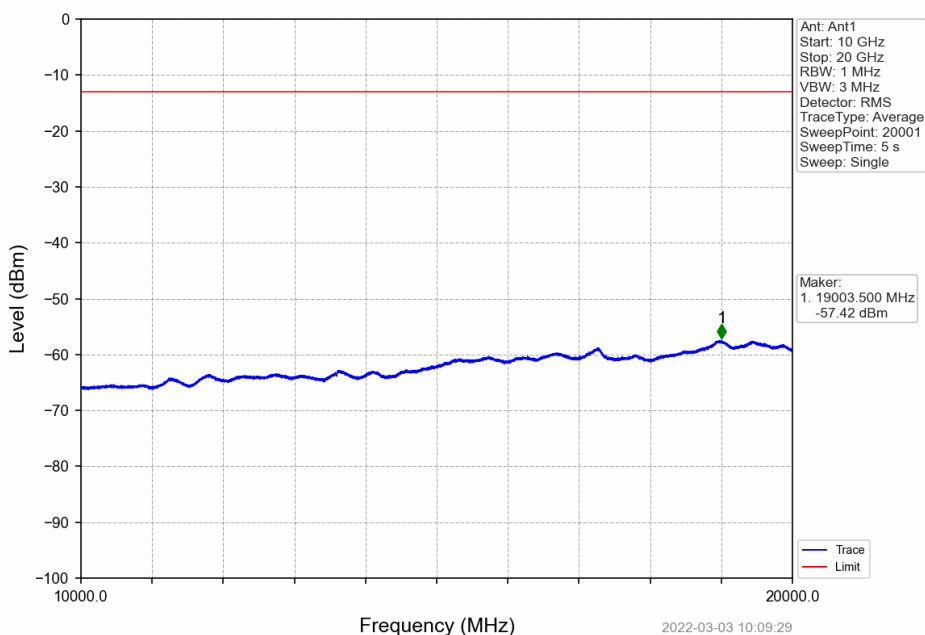
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Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



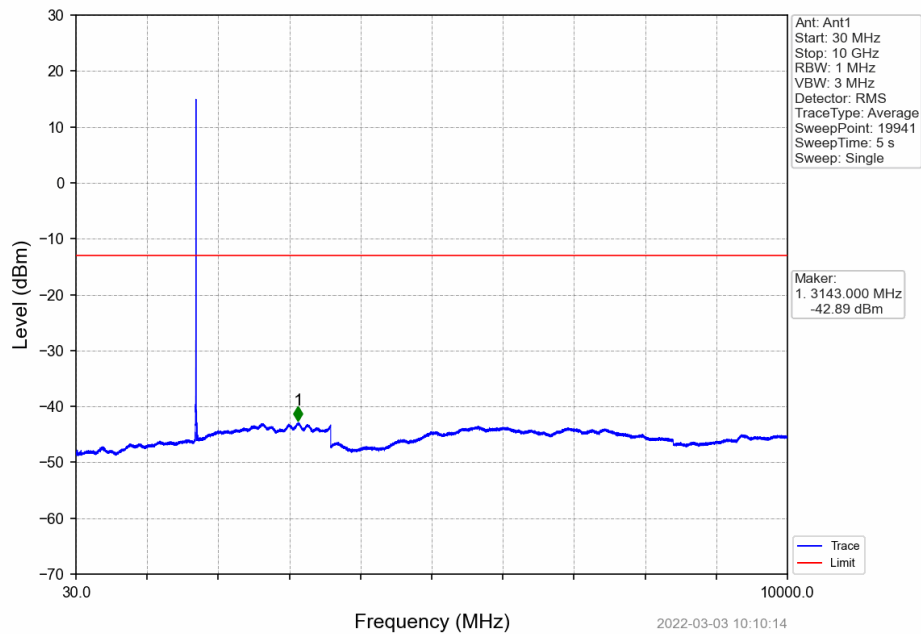
Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



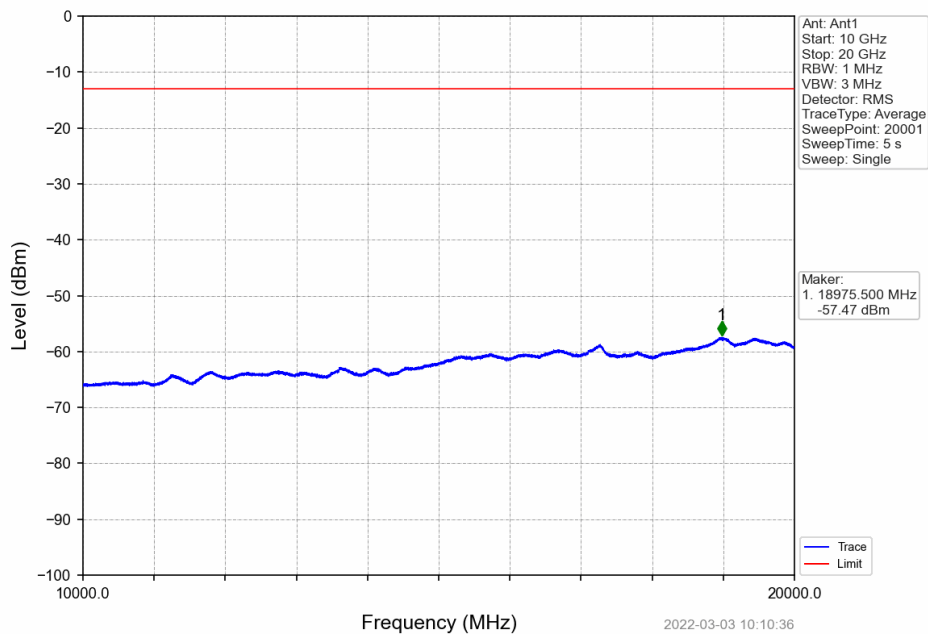
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### Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



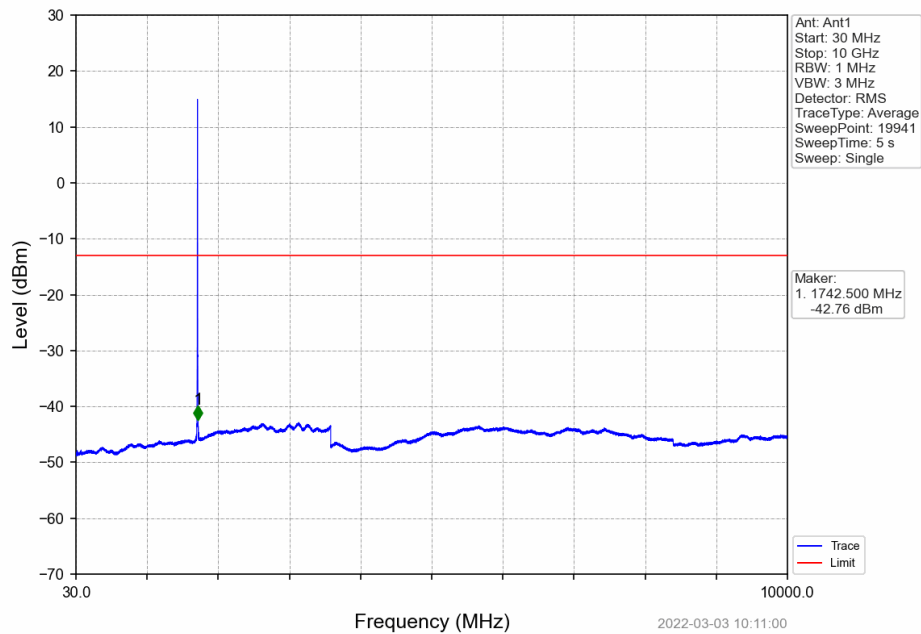
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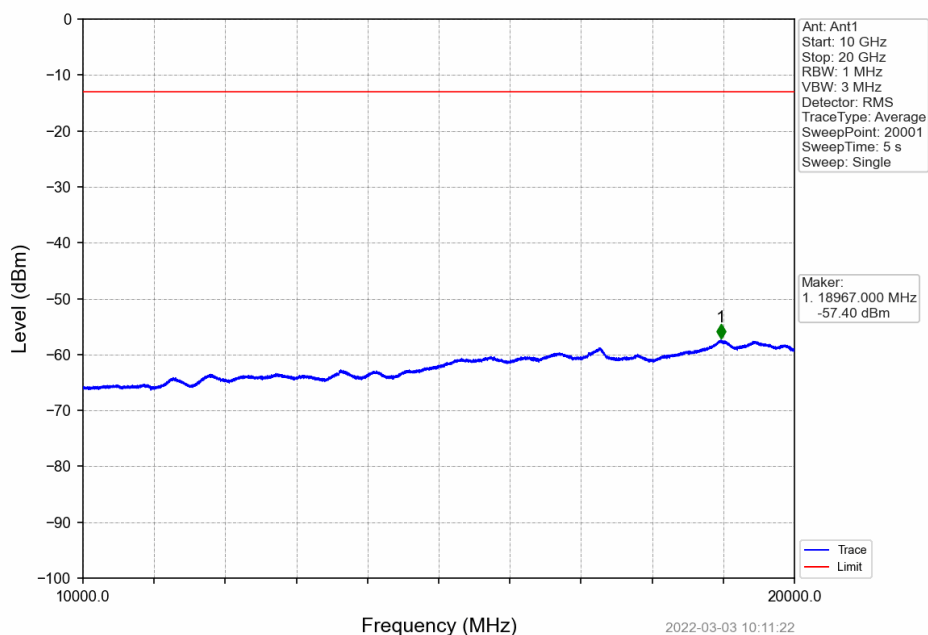
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Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



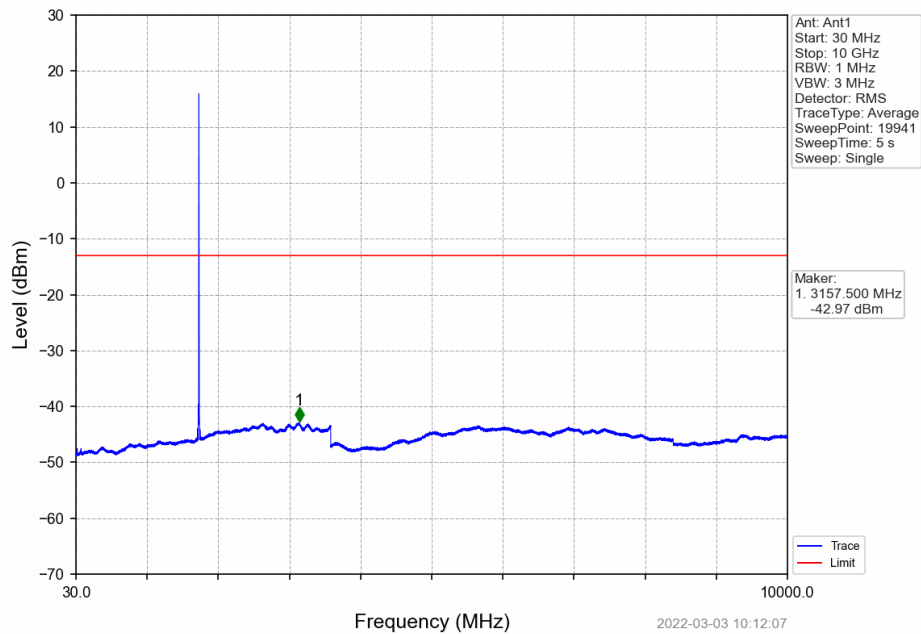
Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



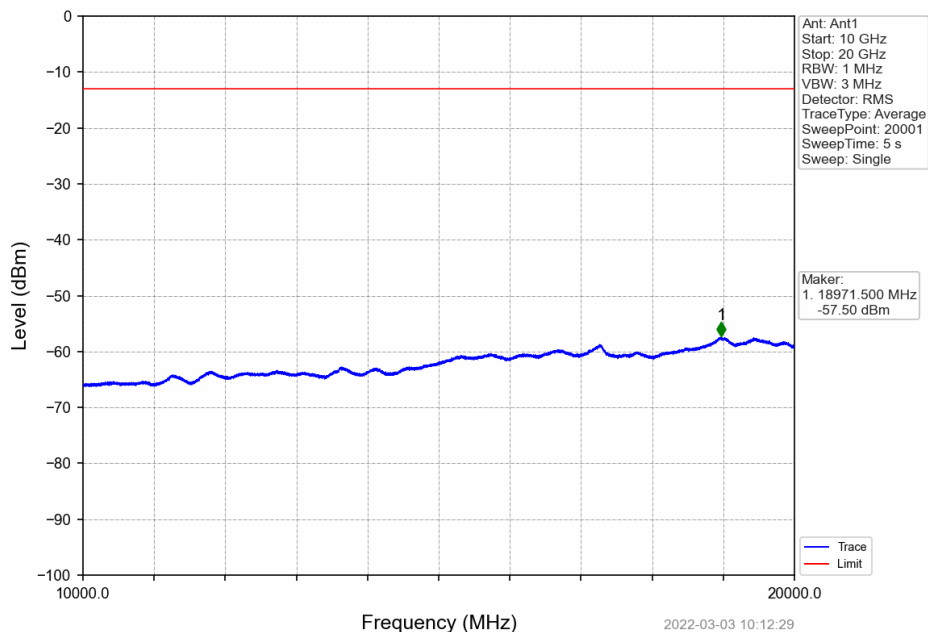
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Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



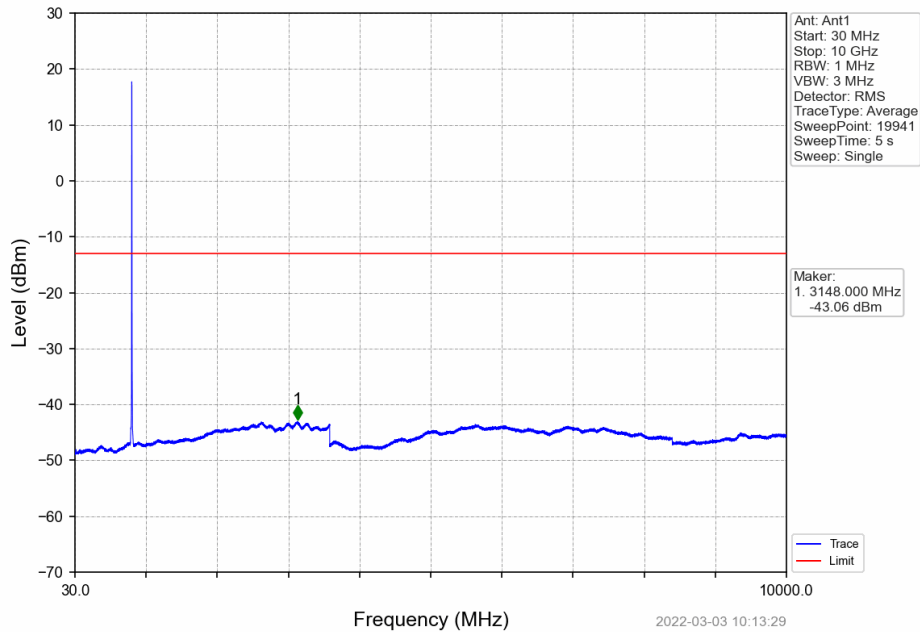
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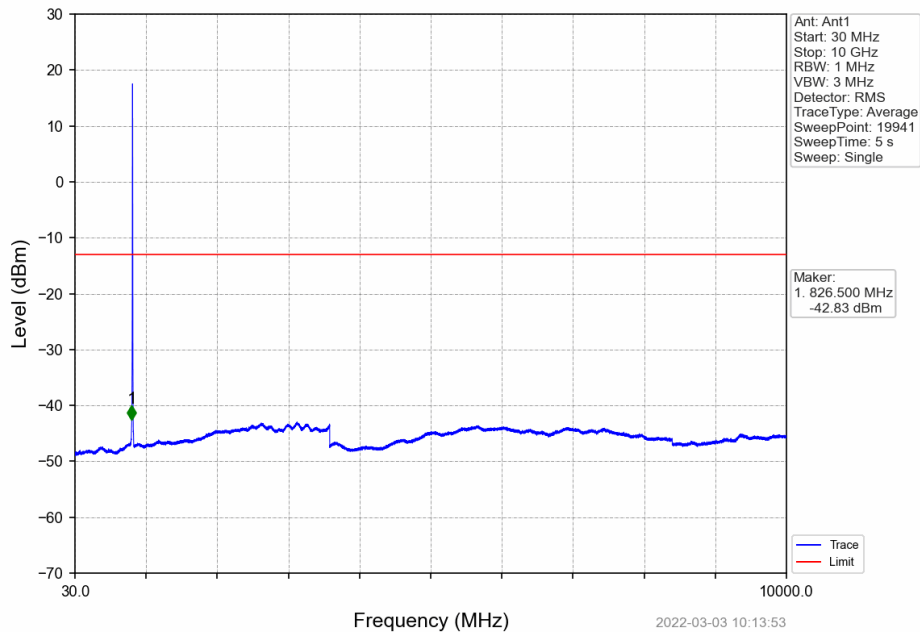
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Band5\_RMC\_LCH\_826.4MHz\_12.2kbps RMC\_NTNV



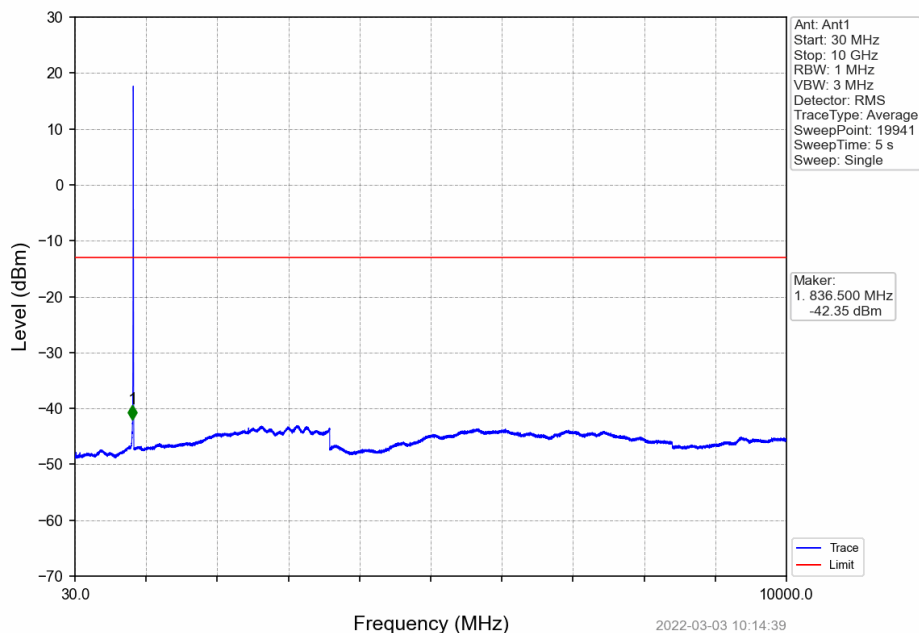
Band5\_RMC\_MCH\_836.6MHz\_12.2kbps RMC\_NTNV



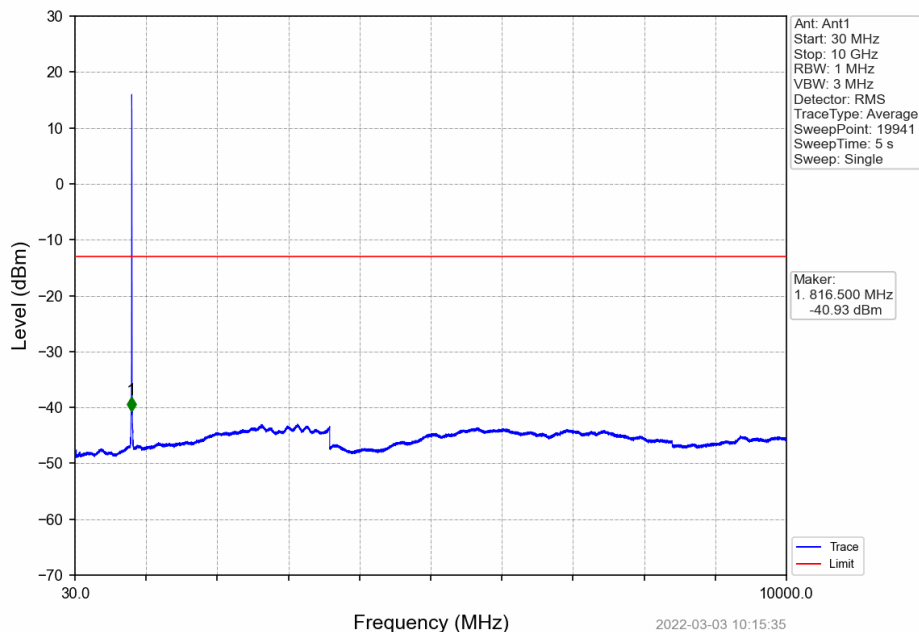
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Band5\_RMC\_HCH\_846.6MHz\_12.2kbps RMC\_NTNV



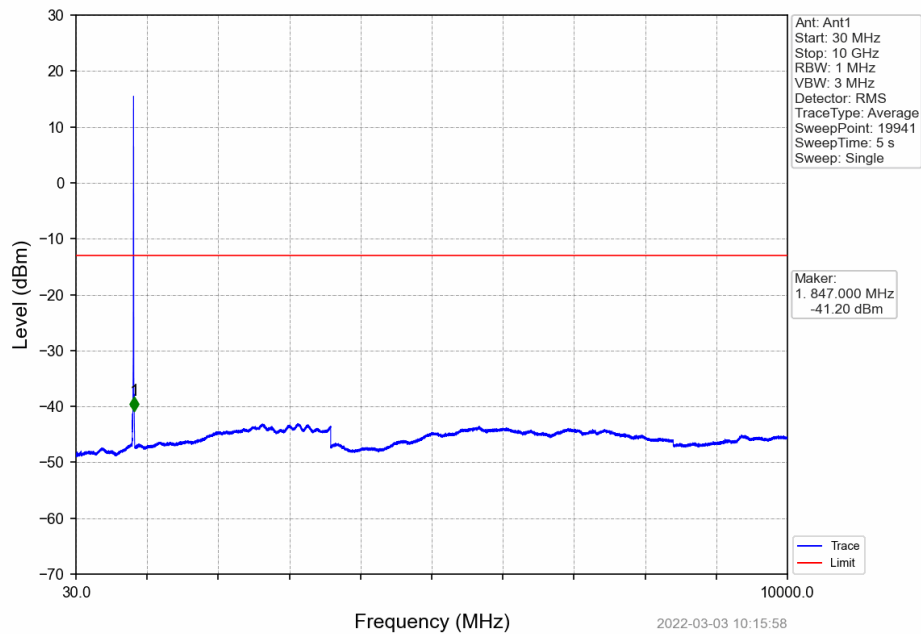
Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



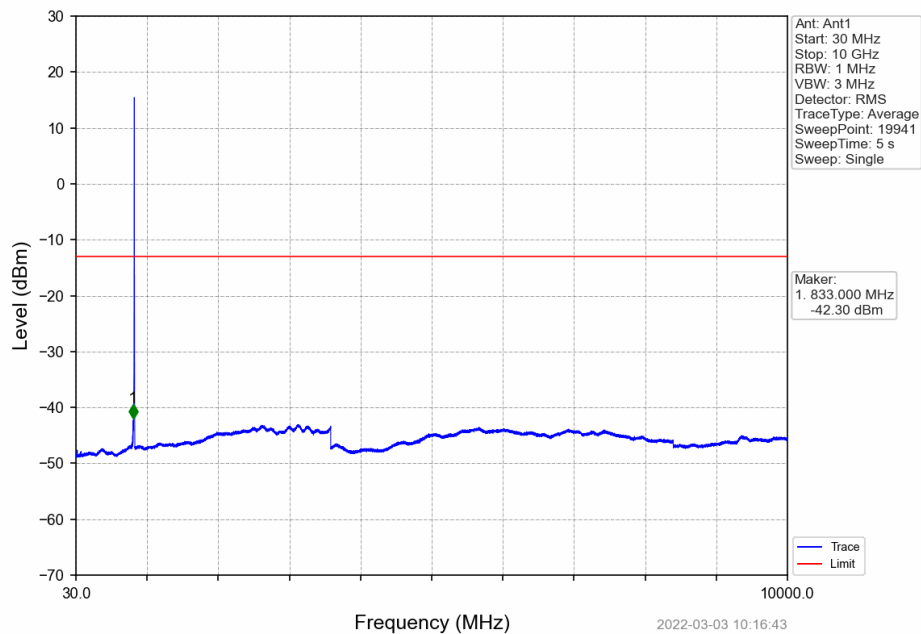
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### Band5\_HSDPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



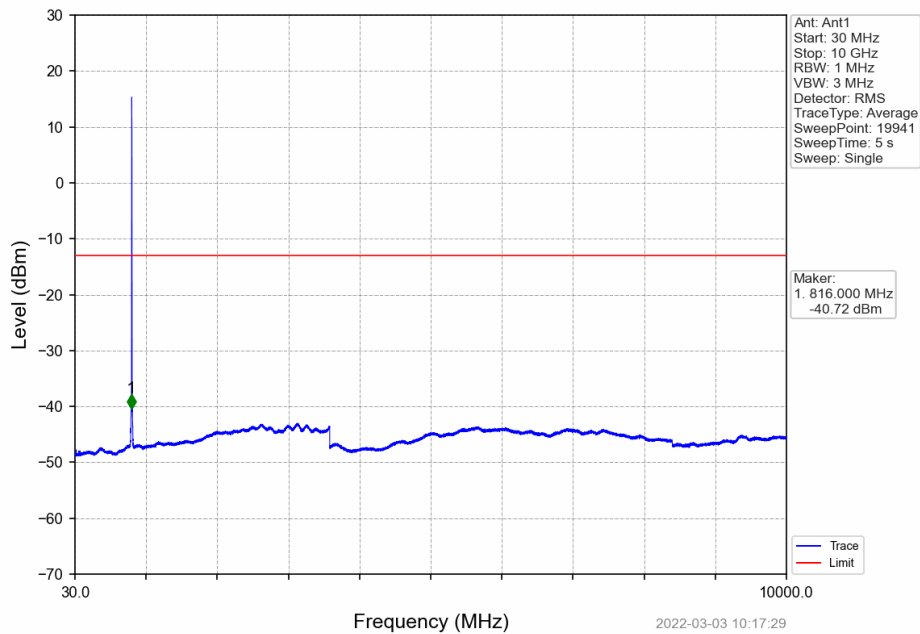
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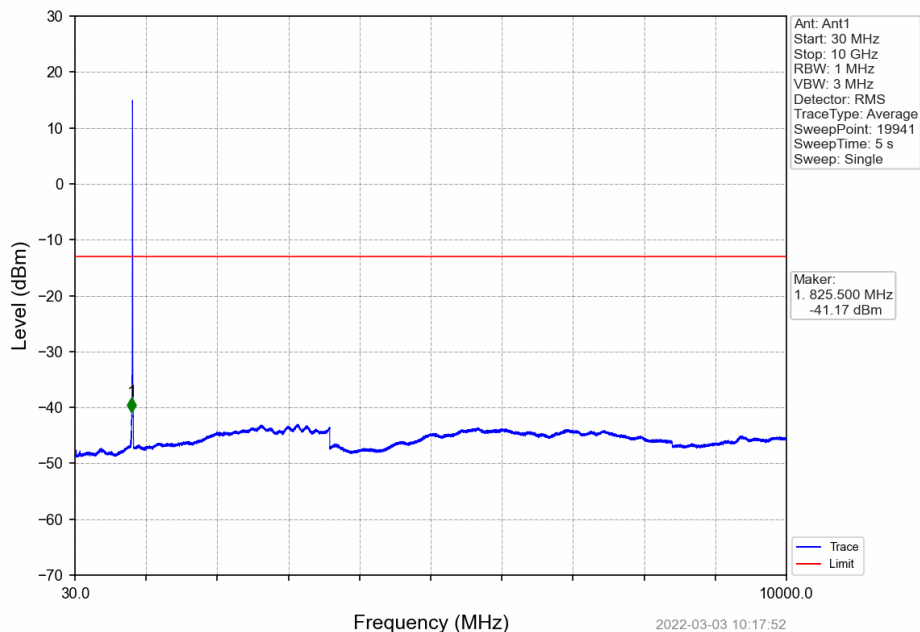
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### Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



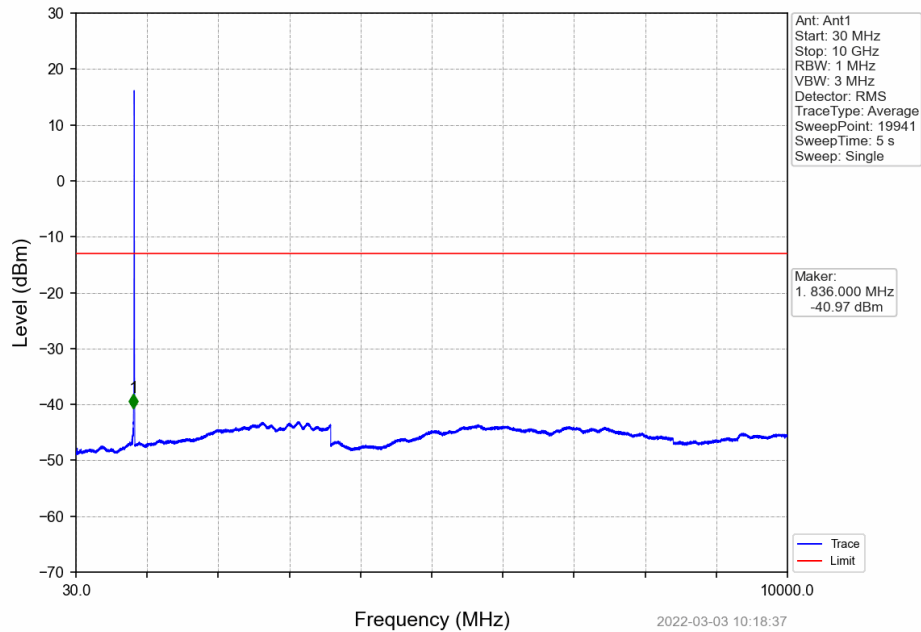
### Band5\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



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### Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



### 6.6 Field strength of spurious radiation

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit:  $\leq -13\text{dBm}$

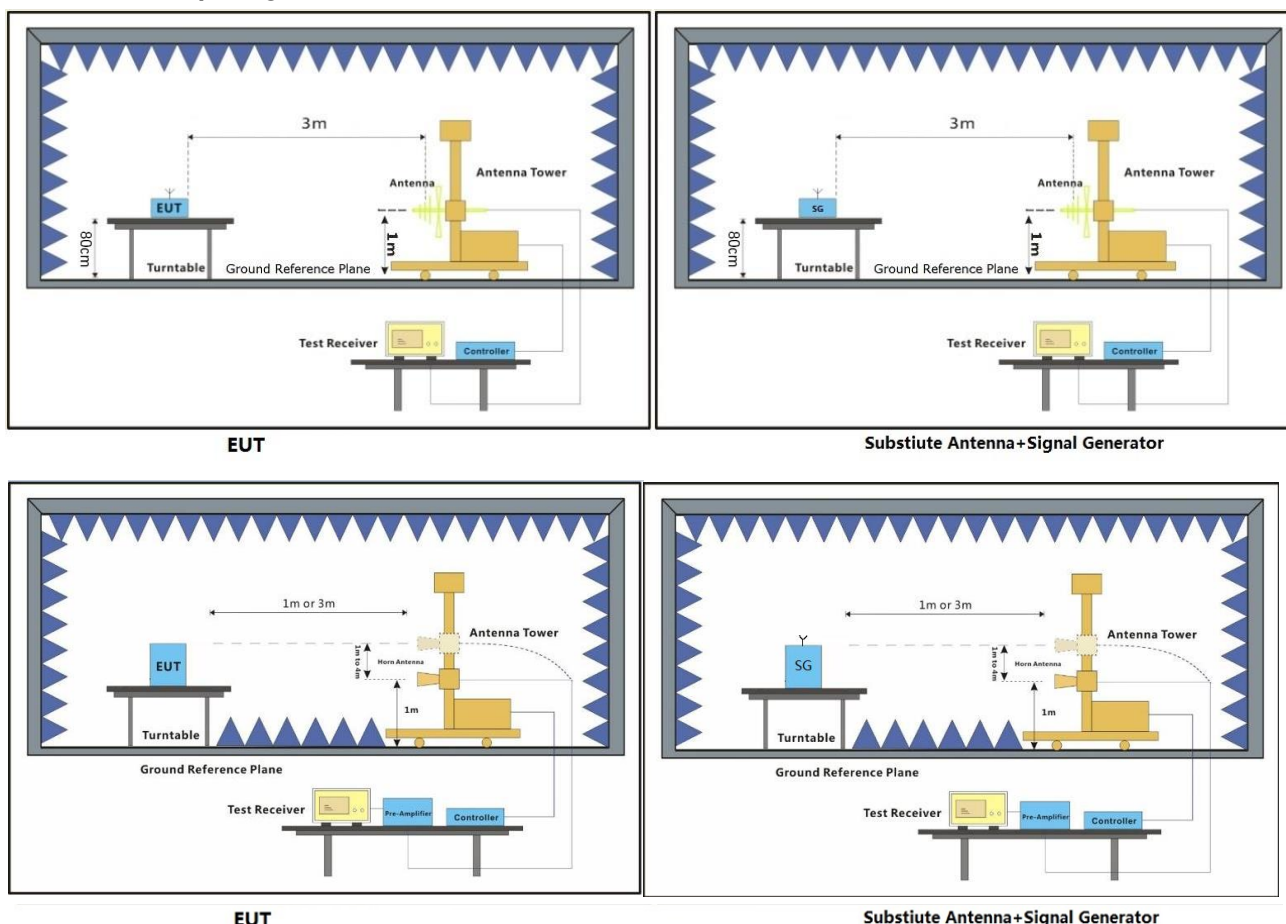
#### 6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C Humidity: 45.5 % RH Atmospheric Pressure: 1010 mbar

Test mode: 20: TX mode\_Keep the EUT in transmitting mode

#### 6.6.2 Test Setup Diagram



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### 6.6.3 Measurement Procedure and Data

#### Test Procedure:

- (1) On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3) The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7) The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14) The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15) The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.



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| WCDMA BAND V-Low channel |            |            |                 |                  |                 |                    |                    |        |
|--------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)          | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1652.8                   | -54.69     | -13        | -41.69          | -57.71           | 3.33            | 8.5                | Horizontal         | Pass   |
| 2479.2                   | -54.98     | -13        | -41.98          | -59.83           | 3.4             | 10.4               | Horizontal         | Pass   |
| 3305.6                   | -58.15     | -13        | -45.15          | -64.51           | 2.99            | 11.5               | Horizontal         | Pass   |
| 1652.8                   | -55.06     | -13        | -42.06          | -58.08           | 3.33            | 8.5                | Vertical           | Pass   |
| 2479.2                   | -54.13     | -13        | -41.13          | -58.98           | 3.4             | 10.4               | Vertical           | Pass   |
| 3305.6                   | -58.9      | -13        | -45.9           | -65.26           | 2.99            | 11.5               | Vertical           | Pass   |

| WCDMA BAND V-Middle channel |            |            |                 |                  |                 |                    |                    |        |
|-----------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)             | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1672.8                      | -53.85     | -13        | -40.85          | -56.87           | 3.33            | 8.5                | Horizontal         | Pass   |
| 2509.2                      | -53.74     | -13        | -40.74          | -58.98           | 3.21            | 10.6               | Horizontal         | Pass   |
| 3345.6                      | -58.33     | -13        | -45.33          | -64.69           | 2.99            | 11.5               | Horizontal         | Pass   |
| 1672.8                      | -55.17     | -13        | -42.17          | -58.19           | 3.33            | 8.5                | Vertical           | Pass   |
| 2509.2                      | -53.33     | -13        | -40.33          | -58.57           | 3.21            | 10.6               | Vertical           | Pass   |
| 3345.6                      | -56.9      | -13        | -43.9           | -63.26           | 2.99            | 11.5               | Vertical           | Pass   |

| WCDMA BAND V-High channel |            |            |                 |                  |                 |                    |                    |        |
|---------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1693.2                    | -53.26     | -13        | -40.26          | -56.28           | 3.33            | 8.5                | Horizontal         | Pass   |
| 2539.8                    | -53.23     | -13        | -40.23          | -58.47           | 3.21            | 10.6               | Horizontal         | Pass   |
| 3386.4                    | -57.84     | -13        | -44.84          | -64.2            | 2.99            | 11.5               | Horizontal         | Pass   |
| 1693.2                    | -50.39     | -13        | -37.39          | -53.41           | 3.33            | 8.5                | Vertical           | Pass   |
| 2539.8                    | -54.63     | -13        | -41.63          | -59.87           | 3.21            | 10.6               | Vertical           | Pass   |
| 3386.4                    | -58.05     | -13        | -45.05          | -64.41           | 2.99            | 11.5               | Vertical           | Pass   |



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| WCDMA Band II-Low channel |            |            |                 |                  |                 |                    |                    |        |
|---------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3704.8                    | -56.73     | -13        | -43.73          | -66.41           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5557.2                    | -54.03     | -13        | -41.03          | -63.98           | 3.15            | 13.1               | Horizontal         | Pass   |
| 7409.6                    | -51.47     | -13        | -38.47          | -59.77           | 3.4             | 11.7               | Horizontal         | Pass   |
| 3704.8                    | -56.05     | -13        | -43.05          | -65.73           | 2.92            | 12.6               | Vertical           | Pass   |
| 5557.2                    | -54.14     | -13        | -41.14          | -64.09           | 3.15            | 13.1               | Vertical           | Pass   |
| 7409.6                    | -51.53     | -13        | -38.53          | -59.83           | 3.4             | 11.7               | Vertical           | Pass   |

| WCDMA Band II-Middle channel |            |            |                 |                  |                 |                    |                    |        |
|------------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)              | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3760                         | -56.62     | -13        | -43.62          | -66.3            | 2.92            | 12.6               | Horizontal         | Pass   |
| 5640                         | -54.14     | -13        | -41.14          | -64.09           | 3.15            | 13.1               | Horizontal         | Pass   |
| 7520                         | -50.77     | -13        | -37.77          | -58.32           | 3.85            | 11.4               | Horizontal         | Pass   |
| 3760                         | -56.58     | -13        | -43.58          | -66.26           | 2.92            | 12.6               | Vertical           | Pass   |
| 5640                         | -54.42     | -13        | -41.42          | -64.37           | 3.15            | 13.1               | Vertical           | Pass   |
| 7520                         | -50.82     | -13        | -37.82          | -58.37           | 3.85            | 11.4               | Vertical           | Pass   |

| WCDMA Band II-High channel |            |            |                 |                  |                 |                    |                    |        |
|----------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)            | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3815.2                     | -56.66     | -13        | -43.66          | -66.34           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5722.8                     | -54.75     | -13        | -41.75          | -64.7            | 3.15            | 13.1               | Horizontal         | Pass   |
| 7630.4                     | -51.68     | -13        | -38.68          | -59.23           | 3.85            | 11.4               | Horizontal         | Pass   |
| 3815.2                     | -55.91     | -13        | -42.91          | -65.59           | 2.92            | 12.6               | Vertical           | Pass   |
| 5722.8                     | -53.43     | -13        | -40.43          | -63.38           | 3.15            | 13.1               | Vertical           | Pass   |
| 7630.4                     | -51.11     | -13        | -38.11          | -58.66           | 3.85            | 11.4               | Vertical           | Pass   |



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| WCDMA Band IV-Low channel |            |            |                 |                  |                 |                    |                    |        |
|---------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3424.8                    | -56.04     | -13        | -43.04          | -64.55           | 2.99            | 11.5               | Horizontal         | Pass   |
| 5137.2                    | -53.4      | -13        | -40.4           | -63.1            | 3               | 12.7               | Horizontal         | Pass   |
| 6849.6                    | -52.27     | -13        | -39.27          | -61.69           | 3.08            | 12.5               | Horizontal         | Pass   |
| 3424.8                    | -57.07     | -13        | -44.07          | -65.58           | 2.99            | 11.5               | Vertical           | Pass   |
| 5137.2                    | -53.79     | -13        | -40.79          | -63.49           | 3               | 12.7               | Vertical           | Pass   |
| 6849.6                    | -52.75     | -13        | -39.75          | -62.17           | 3.08            | 12.5               | Vertical           | Pass   |

| WCDMA Band IV-Middle channel |            |            |                 |                  |                 |                    |                    |        |
|------------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)              | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3465.2                       | -56.55     | -13        | -43.55          | -65.06           | 2.99            | 11.5               | Horizontal         | Pass   |
| 5197.8                       | -53.4      | -13        | -40.4           | -63.1            | 3               | 12.7               | Horizontal         | Pass   |
| 6930.4                       | -52.01     | -13        | -39.01          | -61.43           | 3.08            | 12.5               | Horizontal         | Pass   |
| 3465.2                       | -56.91     | -13        | -43.91          | -65.42           | 2.99            | 11.5               | Vertical           | Pass   |
| 5197.8                       | -53.01     | -13        | -40.01          | -62.71           | 3               | 12.7               | Vertical           | Pass   |
| 6930.4                       | -51.5      | -13        | -38.5           | -60.92           | 3.08            | 12.5               | Vertical           | Pass   |

| WCDMA Band IV-High channel |            |            |                 |                  |                 |                    |                    |        |
|----------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)            | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3505.2                     | -56.39     | -13        | -43.39          | -66.07           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5257.8                     | -53.43     | -13        | -40.43          | -63.13           | 3               | 12.7               | Horizontal         | Pass   |
| 7010.4                     | -51.4      | -13        | -38.4           | -59.7            | 3.4             | 11.7               | Horizontal         | Pass   |
| 3505.2                     | -56.02     | -13        | -43.02          | -65.7            | 2.92            | 12.6               | Vertical           | Pass   |
| 5257.8                     | -53.76     | -13        | -40.76          | -63.46           | 3               | 12.7               | Vertical           | Pass   |
| 7010.4                     | -51.28     | -13        | -38.28          | -59.58           | 3.4             | 11.7               | Vertical           | Pass   |

Note:

All modes have been tested and we found RMC Test mode has the worst test result. Only record the worst test result.



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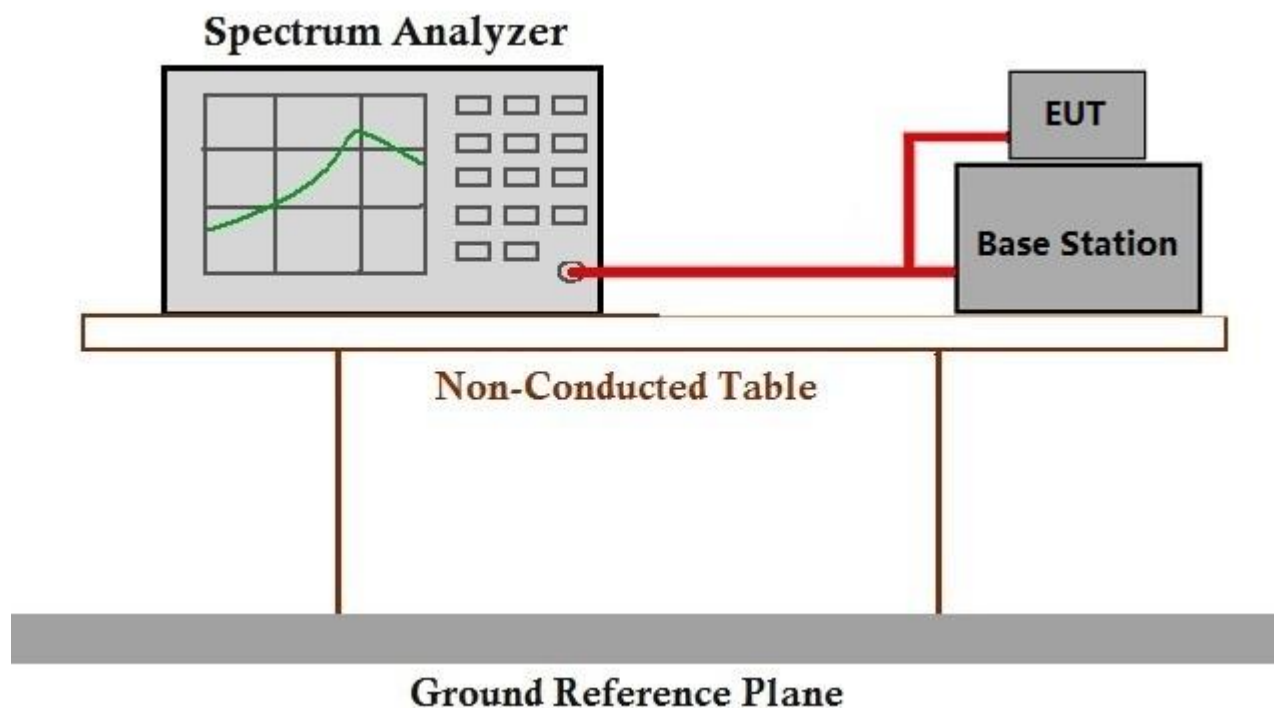
## 6.7 Frequency stability

Test Requirement: \$2.1055, \$22.355, \$24.235, \$27.54  
Test Method: ANSI C63.26, KDB 971168 D01 v03  
Limit:  $\leq \pm 2.5\text{ppm}$ .

### 6.7.1 E.U.T. Operation

Operating Environment:  
Temperature: 21.2 °C Humidity: 45.5 % RH Atmospheric Pressure: 1010 mbar  
Test mode: 20: TX mode\_Keep the EUT in transmitting mode

### 6.7.2 Test Setup Diagram



### 6.7.3 Measurement Data



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| Band: 2 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 1852.4          | 20         | 3.5           | -1.996           | -0.0011               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | -3.126           | -0.0017               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | -2.074           | -0.0011               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | -4.113           | -0.0022               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | -4.506           | -0.0024               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | -3.126           | -0.0017               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | -0.994           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | -3.877           | -0.0021               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | -3.426           | -0.0018               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | -4.005           | -0.0022               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | -3.541           | -0.0019               | -2.5 to 2.5 | Pass    |
|         | 1880            | 20         | 3.5           | -5.908           | -0.0031               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | -3.355           | -0.0018               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | -4.413           | -0.0023               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | -5.643           | -0.0030               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | -4.556           | -0.0024               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | -4.792           | -0.0025               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | -5.121           | -0.0027               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | -4.363           | -0.0023               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | -3.505           | -0.0019               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | -3.347           | -0.0018               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | -3.104           | -0.0017               | -2.5 to 2.5 | Pass    |
|         | 1907.6          | 20         | 3.5           | 8.261            | 0.0043                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 7.997            | 0.0042                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | 6.788            | 0.0036                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | 7.818            | 0.0041                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | 5.887            | 0.0031                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | 7.668            | 0.0040                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | 6.866            | 0.0036                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | 6.709            | 0.0035                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | 7.539            | 0.0040                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | 7.060            | 0.0037                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | 6.537            | 0.0034                | -2.5 to 2.5 | Pass    |
| HSDPA   | 1852.4          | 20         | 3.5           | 16.336           | 0.0088                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 16.265           | 0.0088                | -2.5 to 2.5 | Pass    |



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|       |        |     |      |        |         |             |      |
|-------|--------|-----|------|--------|---------|-------------|------|
|       |        |     | 4.35 | 17.238 | 0.0093  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | 17.445 | 0.0094  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | 17.838 | 0.0096  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | 16.422 | 0.0089  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | 17.388 | 0.0094  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | 17.545 | 0.0095  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.8  | 17.509 | 0.0095  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.8  | 16.959 | 0.0092  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.8  | 16.944 | 0.0091  | -2.5 to 2.5 | Pass |
|       | 1880   | 20  | 3.5  | 17.409 | 0.0093  | -2.5 to 2.5 | Pass |
|       |        |     | 3.8  | 18.876 | 0.0100  | -2.5 to 2.5 | Pass |
|       |        |     | 4.35 | 17.638 | 0.0094  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | 18.439 | 0.0098  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | 17.560 | 0.0093  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | 18.482 | 0.0098  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | 19.283 | 0.0103  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | 20.342 | 0.0108  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.8  | 17.982 | 0.0096  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.8  | 17.202 | 0.0092  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.8  | 17.338 | 0.0092  | -2.5 to 2.5 | Pass |
|       | 1907.6 | 20  | 3.5  | 14.355 | 0.0075  | -2.5 to 2.5 | Pass |
|       |        |     | 3.8  | 18.690 | 0.0098  | -2.5 to 2.5 | Pass |
|       |        |     | 4.35 | 18.139 | 0.0095  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | 16.572 | 0.0087  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | 17.145 | 0.0090  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | 16.179 | 0.0085  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | 15.414 | 0.0081  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | 16.572 | 0.0087  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.8  | 17.610 | 0.0092  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.8  | 15.736 | 0.0082  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.8  | 14.119 | 0.0074  | -2.5 to 2.5 | Pass |
| HSUPA | 1852.4 | 20  | 3.5  | -5.608 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |     | 3.8  | -3.619 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |     | 4.35 | -7.803 | -0.0042 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | -2.604 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | -7.467 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | -3.641 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | -7.710 | -0.0042 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | -3.827 | -0.0021 | -2.5 to 2.5 | Pass |



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|  |        |     |      |        |         |             |      |
|--|--------|-----|------|--------|---------|-------------|------|
|  |        | 30  | 3.8  | -3.605 | -0.0019 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.8  | -3.655 | -0.0020 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.8  | -3.183 | -0.0017 | -2.5 to 2.5 | Pass |
|  | 1880   | 20  | 3.5  | -4.935 | -0.0026 | -2.5 to 2.5 | Pass |
|  |        |     | 3.8  | -4.635 | -0.0025 | -2.5 to 2.5 | Pass |
|  |        |     | 4.35 | -3.219 | -0.0017 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.8  | -7.675 | -0.0041 | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.8  | -3.126 | -0.0017 | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.8  | -7.482 | -0.0040 | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.8  | -3.140 | -0.0017 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.8  | -8.118 | -0.0043 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.8  | -3.433 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.8  | -3.712 | -0.0020 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.8  | -4.606 | -0.0025 | -2.5 to 2.5 | Pass |
|  | 1907.6 | 20  | 3.5  | -3.026 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |     | 3.8  | -7.124 | -0.0037 | -2.5 to 2.5 | Pass |
|  |        |     | 4.35 | -3.126 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.8  | -2.131 | -0.0011 | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.8  | -3.276 | -0.0017 | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.8  | -2.425 | -0.0013 | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.8  | -4.199 | -0.0022 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.8  | -2.511 | -0.0013 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.8  | -4.785 | -0.0025 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.8  | -8.769 | -0.0046 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.8  | -3.533 | -0.0019 | -2.5 to 2.5 | Pass |



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| Band: 4 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 1712.4          | 20         | 3.5           | 1.867            | 0.0011                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 1.094            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | 1.752            | 0.0010                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | -0.057           | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | 0.765            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | 1.988            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | 1.101            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | 2.024            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | 2.067            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | 2.174            | 0.0013                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | 5.057            | 0.0030                | -2.5 to 2.5 | Pass    |
|         | 1732.6          | 20         | 3.5           | -3.633           | -0.0021               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | -1.802           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | -2.081           | -0.0012               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | -3.748           | -0.0022               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | -2.711           | -0.0016               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | 0.029            | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | -1.674           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | -1.230           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | -0.858           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | -1.781           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | -0.401           | -0.0002               | -2.5 to 2.5 | Pass    |
|         | 1752.6          | 20         | 3.5           | 6.859            | 0.0039                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | -8.011           | -0.0046               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | -4.284           | -0.0024               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | -8.025           | -0.0046               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | -8.104           | -0.0046               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | -7.138           | -0.0041               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | -7.260           | -0.0041               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | -6.602           | -0.0038               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | -6.545           | -0.0037               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | -6.423           | -0.0037               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | -5.779           | -0.0033               | -2.5 to 2.5 | Pass    |
| HSDPA   | 1712.4          | 20         | 3.5           | 12.381           | 0.0072                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 13.304           | 0.0078                | -2.5 to 2.5 | Pass    |



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|       |        |     |      |        |         |             |      |
|-------|--------|-----|------|--------|---------|-------------|------|
|       |        |     | 4.35 | 13.247 | 0.0077  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | 10.142 | 0.0059  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | 10.521 | 0.0061  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | 12.453 | 0.0073  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | 12.145 | 0.0071  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | 14.234 | 0.0083  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.8  | 12.360 | 0.0072  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.8  | 15.149 | 0.0088  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.8  | 11.616 | 0.0068  | -2.5 to 2.5 | Pass |
|       | 1732.6 | 20  | 3.5  | 8.025  | 0.0046  | -2.5 to 2.5 | Pass |
|       |        |     | 3.8  | 5.879  | 0.0034  | -2.5 to 2.5 | Pass |
|       |        |     | 4.35 | 6.101  | 0.0035  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | 6.301  | 0.0036  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | 4.420  | 0.0026  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | 5.107  | 0.0029  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | 4.392  | 0.0025  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | 6.258  | 0.0036  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.8  | 6.866  | 0.0040  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.8  | 4.978  | 0.0029  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.8  | 5.329  | 0.0031  | -2.5 to 2.5 | Pass |
|       | 1752.6 | 20  | 3.5  | 7.110  | 0.0041  | -2.5 to 2.5 | Pass |
|       |        |     | 3.8  | 6.831  | 0.0039  | -2.5 to 2.5 | Pass |
|       |        |     | 4.35 | 4.864  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | 5.529  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | 6.859  | 0.0039  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | 4.807  | 0.0027  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | 5.765  | 0.0033  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | 4.907  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.8  | 8.233  | 0.0047  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.8  | 8.225  | 0.0047  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.8  | 7.346  | 0.0042  | -2.5 to 2.5 | Pass |
| HSUPA | 1712.4 | 20  | 3.5  | -1.187 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |     | 3.8  | -5.157 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |     | 4.35 | -0.901 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.8  | -4.349 | -0.0025 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.8  | -5.207 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.8  | -2.232 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.8  | -5.021 | -0.0029 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.8  | -2.375 | -0.0014 | -2.5 to 2.5 | Pass |



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|  |        |     |      |         |         |             |      |
|--|--------|-----|------|---------|---------|-------------|------|
|  |        | 30  | 3.8  | -5.457  | -0.0032 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.8  | -1.302  | -0.0008 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.8  | -1.967  | -0.0011 | -2.5 to 2.5 | Pass |
|  | 1732.6 | 20  | 3.5  | -0.393  | -0.0002 | -2.5 to 2.5 | Pass |
|  |        |     | 3.8  | -13.812 | -0.0080 | -2.5 to 2.5 | Pass |
|  |        |     | 4.35 | -17.323 | -0.0100 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.8  | -16.580 | -0.0096 | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.8  | -12.224 | -0.0071 | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.8  | -13.154 | -0.0076 | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.8  | -14.591 | -0.0084 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.8  | -13.590 | -0.0078 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.8  | -15.399 | -0.0089 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.8  | -19.262 | -0.0111 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.8  | -16.179 | -0.0093 | -2.5 to 2.5 | Pass |
|  | 1752.6 | 20  | 3.5  | -6.251  | -0.0036 | -2.5 to 2.5 | Pass |
|  |        |     | 3.8  | -13.912 | -0.0079 | -2.5 to 2.5 | Pass |
|  |        |     | 4.35 | -10.908 | -0.0062 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.8  | -15.779 | -0.0090 | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.8  | -10.850 | -0.0062 | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.8  | -11.559 | -0.0066 | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.8  | -14.427 | -0.0082 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.8  | -12.109 | -0.0069 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.8  | -16.043 | -0.0092 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.8  | -11.237 | -0.0064 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.8  | -14.720 | -0.0084 | -2.5 to 2.5 | Pass |



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| Band: 5 |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 826.4           | 20         | 3.5           | -0.193           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | -0.644           | -0.0008               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | -0.658           | -0.0008               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | -0.379           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | -0.501           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | -0.708           | -0.0009               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | -0.572           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | -0.308           | -0.0004               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | -0.207           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | -0.265           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | 0.036            | 0.0000                | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | 3.5           | 0.458            | 0.0005                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 0.122            | 0.0001                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | 0.021            | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | 0.415            | 0.0005                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | 0.944            | 0.0011                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | 0.908            | 0.0011                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | 1.152            | 0.0014                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | 2.017            | 0.0024                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | 1.795            | 0.0021                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | 1.945            | 0.0023                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | 1.631            | 0.0019                | -2.5 to 2.5 | Pass    |
|         | 846.6           | 20         | 3.5           | 3.247            | 0.0038                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 2.224            | 0.0026                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.35          | 3.734            | 0.0044                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.8           | 2.396            | 0.0028                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.8           | 2.589            | 0.0031                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.8           | 2.954            | 0.0035                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.8           | 2.940            | 0.0035                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.8           | 2.768            | 0.0033                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.8           | 3.541            | 0.0042                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.8           | 4.249            | 0.0050                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.8           | 5.436            | 0.0064                | -2.5 to 2.5 | Pass    |
| HSDPA   | 826.4           | 20         | 3.5           | 3.083            | 0.0037                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.8           | 2.904            | 0.0035                | -2.5 to 2.5 | Pass    |



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|       |       |     |      |        |         |             |      |
|-------|-------|-----|------|--------|---------|-------------|------|
|       |       |     | 4.35 | 2.539  | 0.0031  | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.8  | 2.611  | 0.0032  | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.8  | 2.604  | 0.0032  | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.8  | 2.353  | 0.0028  | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.8  | 2.489  | 0.0030  | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.8  | 1.960  | 0.0024  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.8  | 2.217  | 0.0027  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.8  | 1.609  | 0.0019  | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.8  | 1.860  | 0.0023  | -2.5 to 2.5 | Pass |
|       | 836.6 | 20  | 3.5  | 2.468  | 0.0030  | -2.5 to 2.5 | Pass |
|       |       |     | 3.8  | 2.089  | 0.0025  | -2.5 to 2.5 | Pass |
|       |       |     | 4.35 | 2.167  | 0.0026  | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.8  | 2.375  | 0.0028  | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.8  | 1.895  | 0.0023  | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.8  | 1.960  | 0.0023  | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.8  | 2.031  | 0.0024  | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.8  | 1.860  | 0.0022  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.8  | 1.595  | 0.0019  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.8  | 1.695  | 0.0020  | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.8  | 1.595  | 0.0019  | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | 3.5  | 4.907  | 0.0058  | -2.5 to 2.5 | Pass |
|       |       |     | 3.8  | 3.891  | 0.0046  | -2.5 to 2.5 | Pass |
|       |       |     | 4.35 | 3.755  | 0.0044  | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.8  | 3.941  | 0.0047  | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.8  | 3.741  | 0.0044  | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.8  | 3.970  | 0.0047  | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.8  | 4.749  | 0.0056  | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.8  | 4.191  | 0.0050  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.8  | 4.106  | 0.0048  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.8  | 4.463  | 0.0053  | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.8  | 4.878  | 0.0058  | -2.5 to 2.5 | Pass |
| HSUPA | 826.4 | 20  | 3.5  | -2.332 | -0.0028 | -2.5 to 2.5 | Pass |
|       |       |     | 3.8  | -3.505 | -0.0042 | -2.5 to 2.5 | Pass |
|       |       |     | 4.35 | -3.827 | -0.0046 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.8  | -4.649 | -0.0056 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.8  | -3.405 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.8  | -5.000 | -0.0061 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.8  | -3.211 | -0.0039 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.8  | -4.463 | -0.0054 | -2.5 to 2.5 | Pass |



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|  |       |     |      |        |         |             |      |
|--|-------|-----|------|--------|---------|-------------|------|
|  |       | 30  | 3.8  | -3.362 | -0.0041 | -2.5 to 2.5 | Pass |
|  |       | 40  | 3.8  | -4.563 | -0.0055 | -2.5 to 2.5 | Pass |
|  |       | 50  | 3.8  | -3.619 | -0.0044 | -2.5 to 2.5 | Pass |
|  | 836.6 | 20  | 3.5  | -3.626 | -0.0043 | -2.5 to 2.5 | Pass |
|  |       |     | 3.8  | -3.941 | -0.0047 | -2.5 to 2.5 | Pass |
|  |       |     | 4.35 | -4.056 | -0.0048 | -2.5 to 2.5 | Pass |
|  |       | -30 | 3.8  | -5.951 | -0.0071 | -2.5 to 2.5 | Pass |
|  |       | -20 | 3.8  | -4.334 | -0.0052 | -2.5 to 2.5 | Pass |
|  |       | -10 | 3.8  | -4.499 | -0.0054 | -2.5 to 2.5 | Pass |
|  |       | 0   | 3.8  | -4.313 | -0.0052 | -2.5 to 2.5 | Pass |
|  |       | 10  | 3.8  | -3.927 | -0.0047 | -2.5 to 2.5 | Pass |
|  |       | 30  | 3.8  | -5.186 | -0.0062 | -2.5 to 2.5 | Pass |
|  |       | 40  | 3.8  | -3.955 | -0.0047 | -2.5 to 2.5 | Pass |
|  |       | 50  | 3.8  | -4.234 | -0.0051 | -2.5 to 2.5 | Pass |
|  | 846.6 | 20  | 3.5  | -1.974 | -0.0023 | -2.5 to 2.5 | Pass |
|  |       |     | 3.8  | -2.403 | -0.0028 | -2.5 to 2.5 | Pass |
|  |       |     | 4.35 | -0.644 | -0.0008 | -2.5 to 2.5 | Pass |
|  |       | -30 | 3.8  | -2.553 | -0.0030 | -2.5 to 2.5 | Pass |
|  |       | -20 | 3.8  | -0.930 | -0.0011 | -2.5 to 2.5 | Pass |
|  |       | -10 | 3.8  | -1.123 | -0.0013 | -2.5 to 2.5 | Pass |
|  |       | 0   | 3.8  | -2.289 | -0.0027 | -2.5 to 2.5 | Pass |
|  |       | 10  | 3.8  | -1.066 | -0.0013 | -2.5 to 2.5 | Pass |
|  |       | 30  | 3.8  | -2.325 | -0.0027 | -2.5 to 2.5 | Pass |
|  |       | 40  | 3.8  | -1.459 | -0.0017 | -2.5 to 2.5 | Pass |
|  |       | 50  | 3.8  | -2.174 | -0.0026 | -2.5 to 2.5 | Pass |



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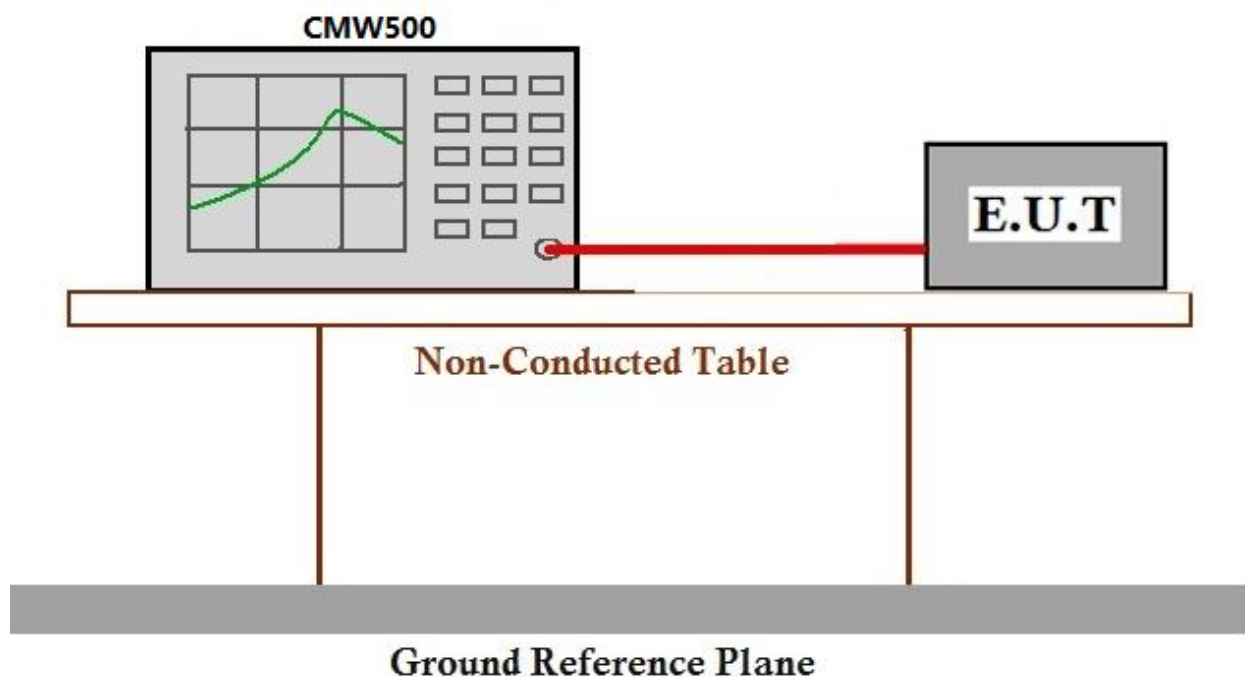
## 6.8 Modulation Characteristics

Test Requirement: §2.1047  
Test Method: ANSI C63.26, KDB 971168 D01 v03  
Limit: Digital modulation

### 6.8.1 E.U.T. Operation

Operating Environment:  
Temperature: 21.2 °C Humidity: 45.5 % RH Atmospheric Pressure: 1010 mbar  
Test mode: 20: TX mode\_Keep the EUT in transmitting mode

### 6.8.2 Test Setup Diagram



### 6.8.3 Measurement Data

Pass, it's a digital modulation device.

## 7 Photographs

### 7.1 Test Setup Photos

Refer to Appendix - MIMO WATCH WWAN Test Setup Photo for GZCR2202000224AT.

### 7.2 EUT Constructional Details (EUT Photos)

Refer to Appendix - MIMO WATCH External and Internal Photos for GZCR2202000224AT.

- End of the Report -