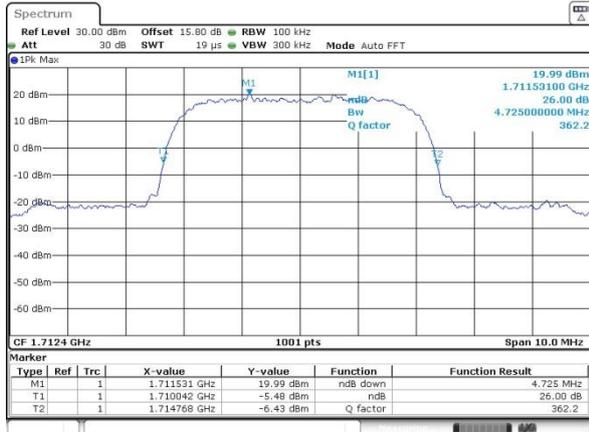




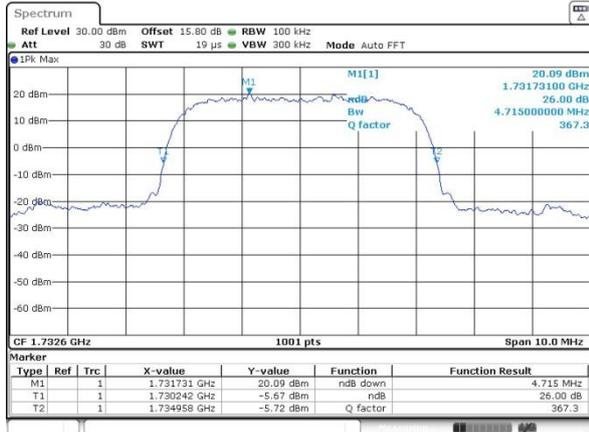
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



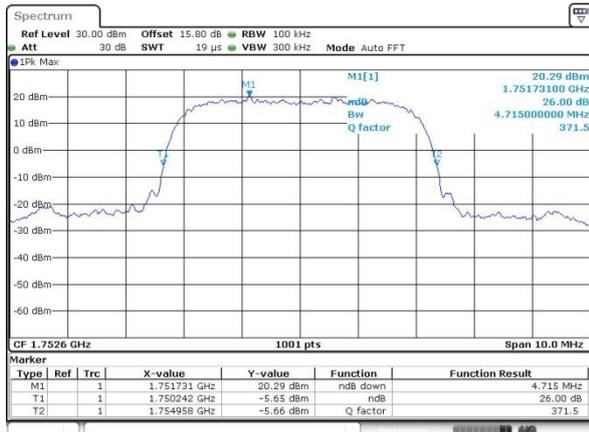
Date: 25 NOV 2019 07:54:03

Middle Channel



Date: 25 NOV 2019 07:54:48

Highest Channel



Date: 26 NOV 2019 01:28:11



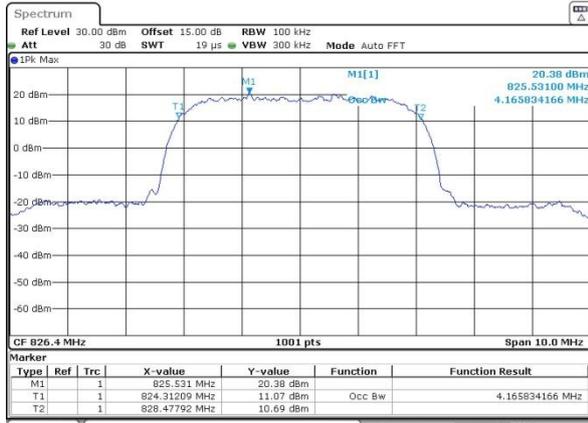
**Occupied Bandwidth**

| Mode       | WCDMA Band V | WCDMA Band II | WCDMA Band IV |
|------------|--------------|---------------|---------------|
| Mod.       | RMC 12.2Kbps | RMC 12.2Kbps  | RMC 12.2Kbps  |
| Lowest CH  | 4.166        | 4.156         | 4.156         |
| Middle CH  | 4.156        | 4.166         | 4.166         |
| Highest CH | 4.156        | 4.156         | 4.166         |



WCDMA Band V (RMC 12.2Kbps)

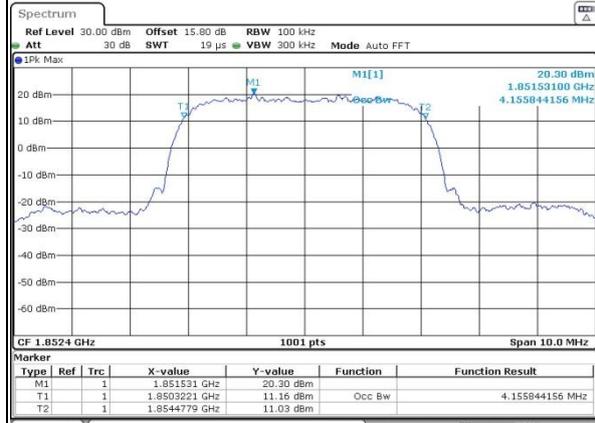
Lowest Channel



Date: 25 NOV 2019 07:41:06

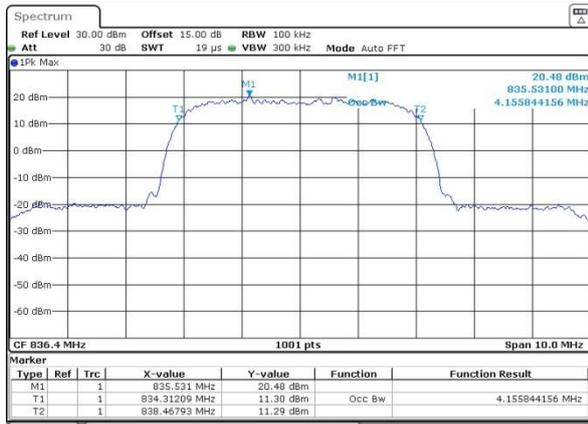
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



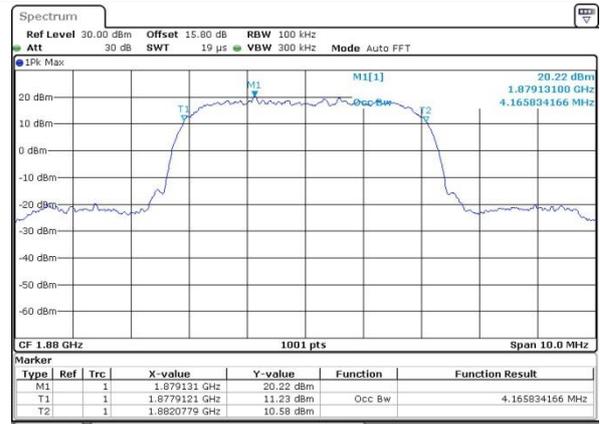
Date: 25 NOV 2019 08:44:07

Middle Channel



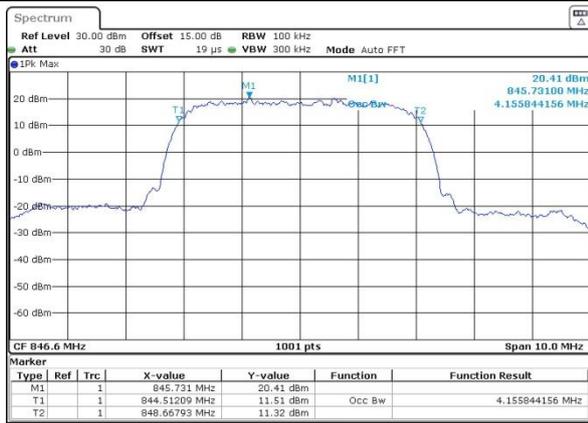
Date: 25 NOV 2019 07:41:42

Middle Channel



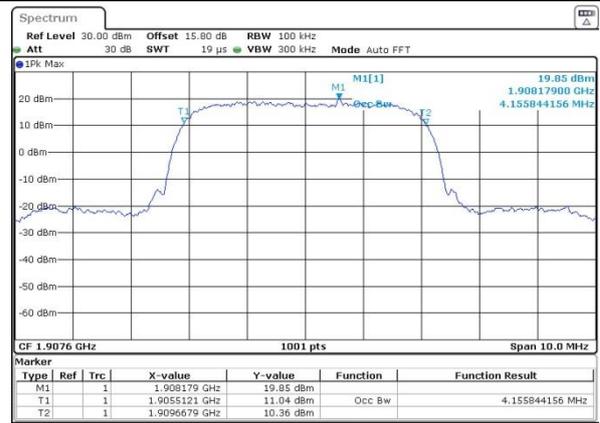
Date: 28 NOV 2019 01:19:06

Highest Channel



Date: 25 NOV 2019 07:42:16

Highest Channel

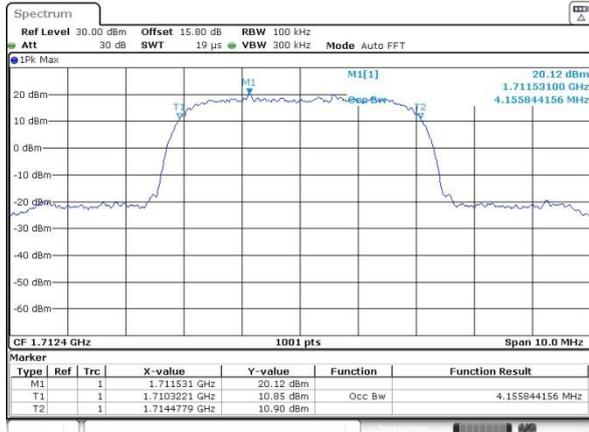


Date: 25 NOV 2019 08:44:55



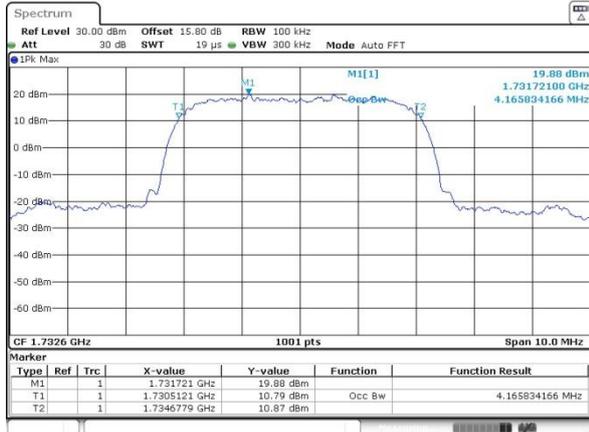
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



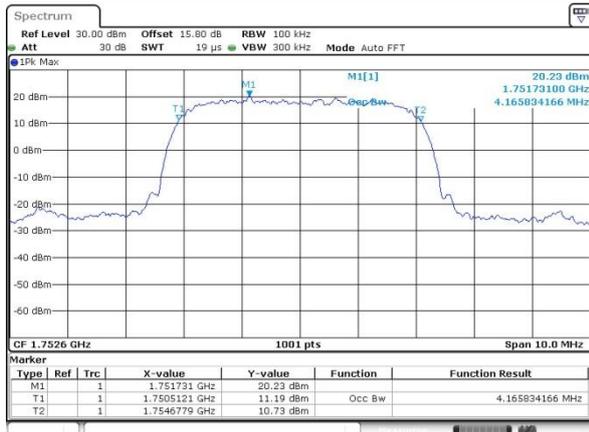
Date: 25 NOV 2019 07:58:53

Middle Channel



Date: 25 NOV 2019 07:59:29

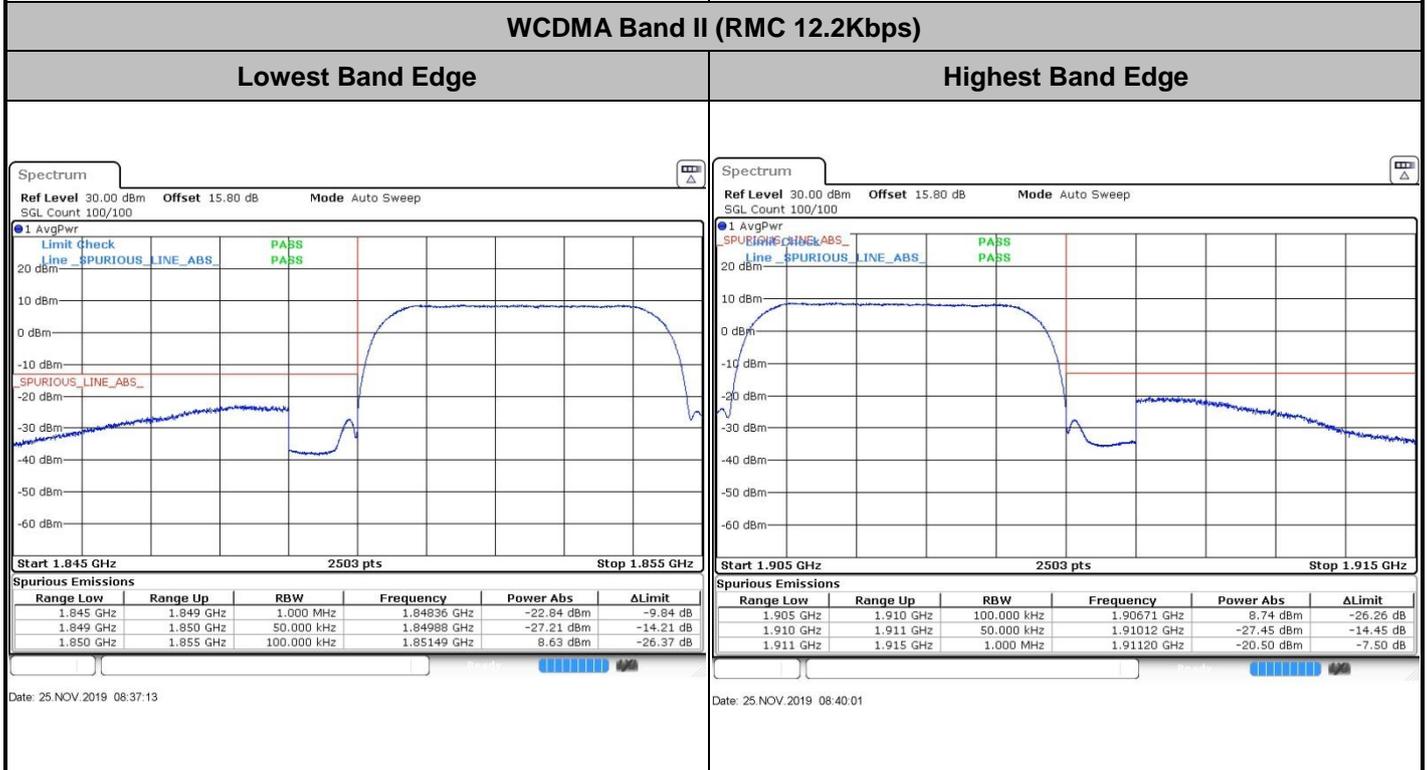
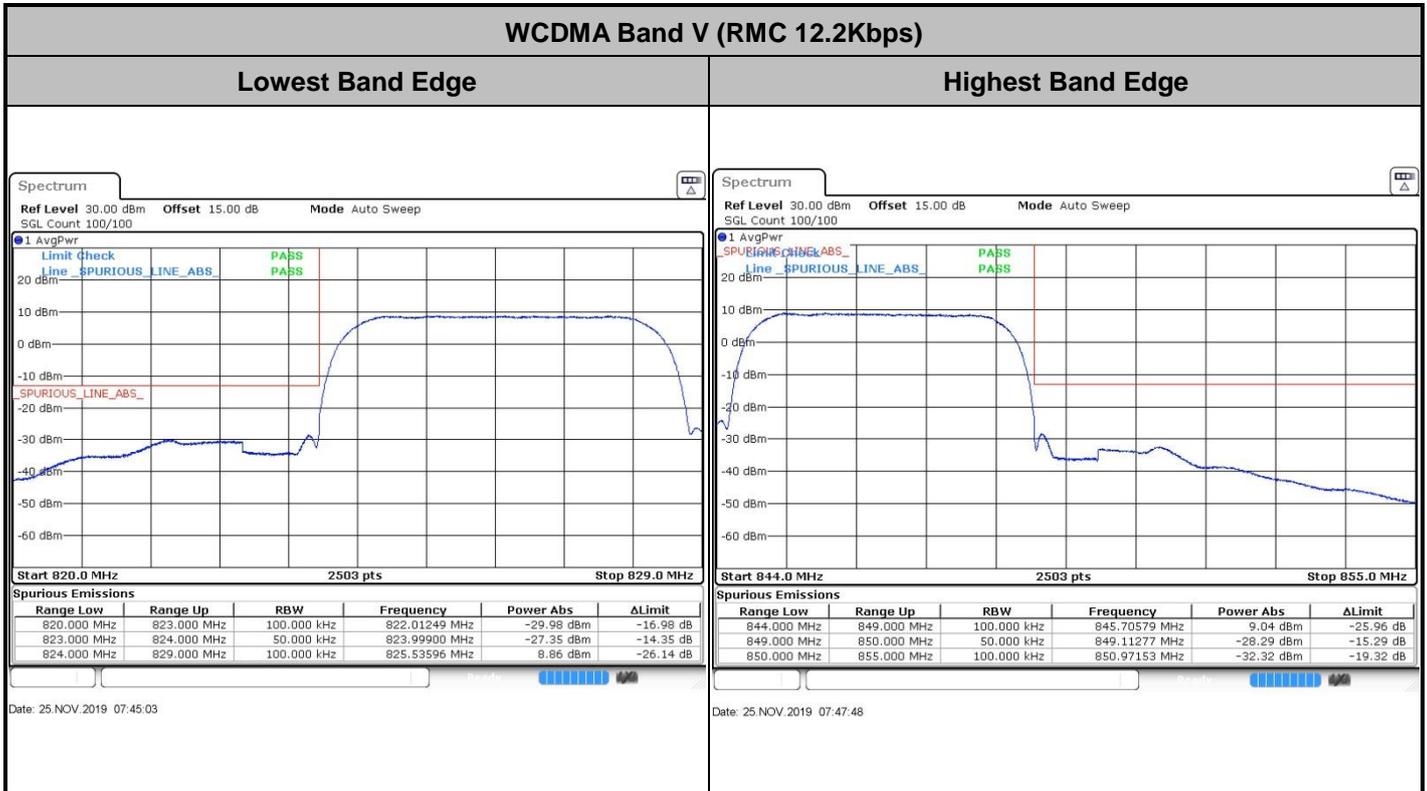
Highest Channel



Date: 26 NOV 2019 01:23:01



# Conducted Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



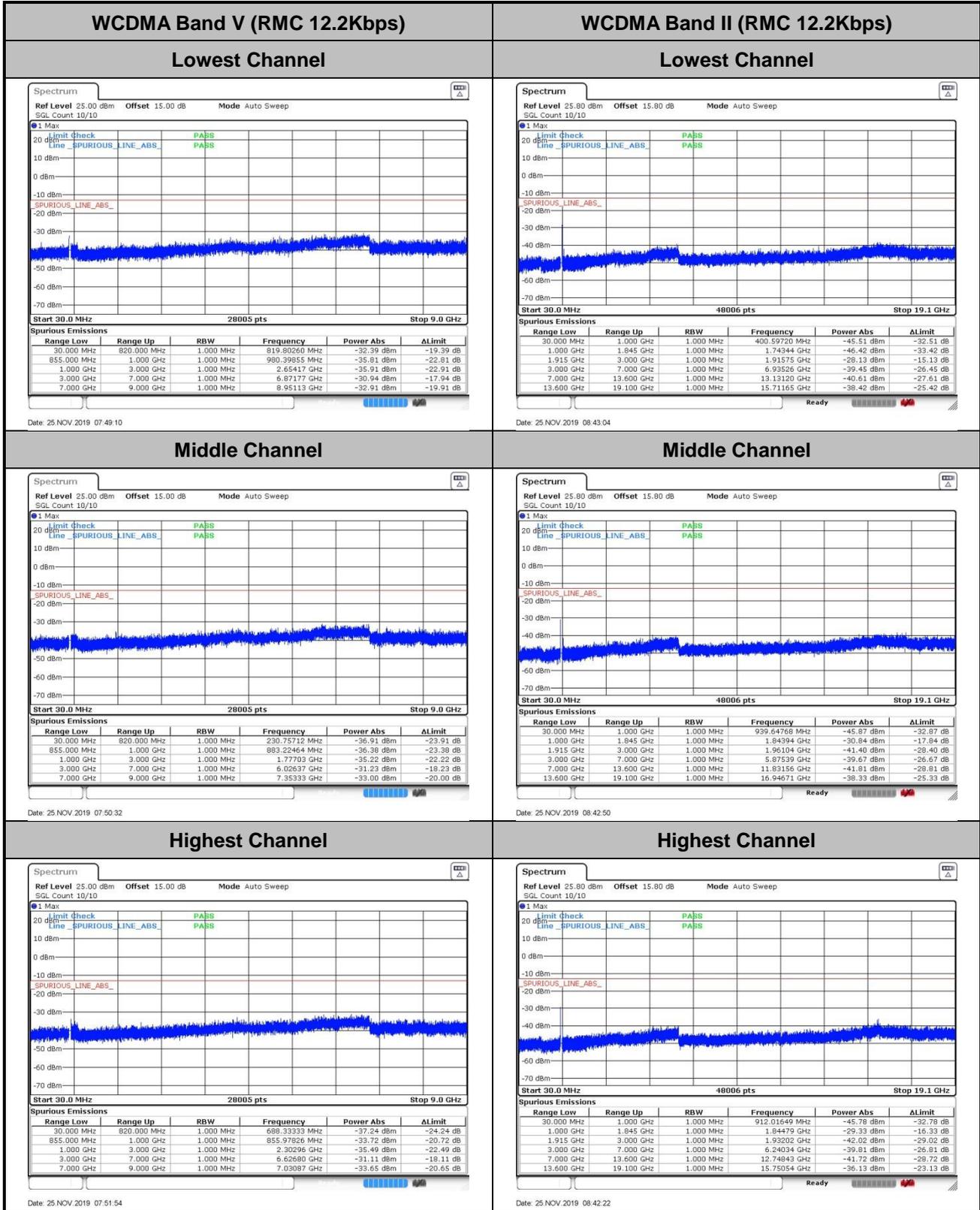
Date: 25 NOV.2019 08:02:52



Date: 25 NOV.2019 08:05:39



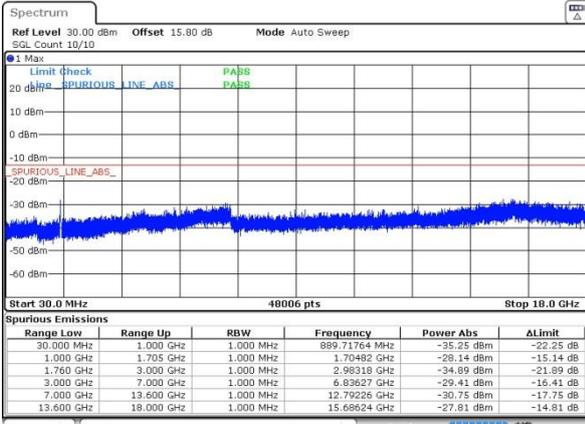
# Conducted Spurious Emission





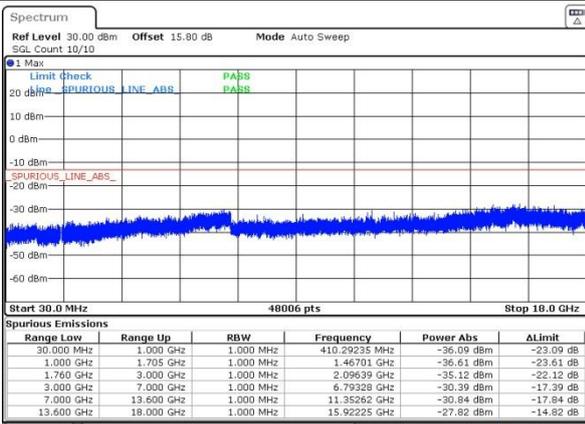
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



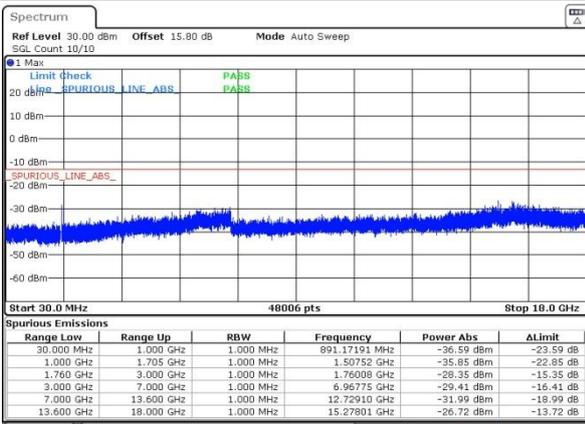
Date: 25 NOV 2019 08:07:02

Middle Channel



Date: 25 NOV 2019 08:08:24

Highest Channel



Date: 25 NOV 2019 08:09:46



### Frequency Stability

| Test Conditions  | Middle Channel    | WCDMA Band V<br>(RMC 12.2KbpsRMC 12.2Kbps) | Limit<br>2.5ppm |
|------------------|-------------------|--|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                            | Result          |
| 50               | Normal Voltage    | 0.0068                                     | PASS            |
| 40               | Normal Voltage    | 0.0255                                     |                 |
| 30               | Normal Voltage    | 0.0021                                     |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                                     |                 |
| 10               | Normal Voltage    | 0.0278                                     |                 |
| 0                | Normal Voltage    | 0.0243                                     |                 |
| -10              | Normal Voltage    | 0.0068                                     |                 |
| -20              | Normal Voltage    | 0.0273                                     |                 |
| -30              | Normal Voltage    | 0.0036                                     |                 |
| 20               | Maximum Voltage   | 0.0012                                     |                 |
| 20               | Normal Voltage    | 0.0234                                     |                 |
| 20               | Battery End Point | 0.0263                                     |                 |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions  | Middle Channel    | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|------------------------------|---------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)              | Result        |
| 50               | Normal Voltage    | 0.0018                       | PASS          |
| 40               | Normal Voltage    | 0.0112                       |               |
| 30               | Normal Voltage    | 0.0118                       |               |
| 20(Ref.)         | Normal Voltage    | 0.0000                       |               |
| 10               | Normal Voltage    | 0.0164                       |               |
| 0                | Normal Voltage    | 0.0048                       |               |
| -10              | Normal Voltage    | 0.0143                       |               |
| -20              | Normal Voltage    | 0.0159                       |               |
| -30              | Normal Voltage    | 0.0027                       |               |
| 20               | Maximum Voltage   | 0.0022                       |               |
| 20               | Normal Voltage    | 0.0096                       |               |
| 20               | Battery End Point | 0.0032                       |               |

**Note:**

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions  | Middle Channel    | WCDMA Band IV<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Result           |
| 50               | Normal Voltage    | 0.0035                          | PASS             |
| 40               | Normal Voltage    | 0.0029                          |                  |
| 30               | Normal Voltage    | 0.0150                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0023                          |                  |
| 0                | Normal Voltage    | 0.0127                          |                  |
| -10              | Normal Voltage    | 0.0035                          |                  |
| -20              | Normal Voltage    | 0.0144                          |                  |
| -30              | Normal Voltage    | 0.0046                          |                  |
| 20               | Maximum Voltage   | 0.0017                          |                  |
| 20               | Normal Voltage    | 0.0133                          |                  |
| 20               | Battery End Point | 0.0035                          |                  |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

| GSM850 (GPRS class 8) |                   |             |               |                   |                    |                      |                       |                    |
|-----------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel               | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                | 1672              | -52.44      | -13           | -39.44            | -59.41             | 1.58                 | 10.70                 | H                  |
|                       | 2510              | -50.20      | -13           | -37.20            | -58.45             | 2.102                | 12.50                 | H                  |
|                       | 3348              | -54.29      | -13           | -41.29            | -63.18             | 2.856                | 13.90                 | H                  |
|                       | 1672              | -50.39      | -13           | -37.39            | -57.36             | 1.58                 | 10.70                 | V                  |
|                       | 2510              | -48.14      | -13           | -35.14            | -56.39             | 2.10                 | 12.50                 | V                  |
|                       | 3348              | -57.45      | -13           | -44.45            | -66.34             | 2.86                 | 13.90                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| GSM850 (EDGE class 8) |                   |             |               |                   |                    |                      |                       |                    |
|-----------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel               | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                | 1672              | -52.80      | -13           | -39.80            | -59.77             | 1.58                 | 10.70                 | H                  |
|                       | 2510              | -51.60      | -13           | -38.60            | -59.85             | 2.102                | 12.50                 | H                  |
|                       | 3348              | -58.71      | -13           | -45.71            | -67.60             | 2.856                | 13.90                 | H                  |
|                       | 1672              | -53.16      | -13           | -40.16            | -60.13             | 1.58                 | 10.70                 | V                  |
|                       | 2510              | -48.57      | -13           | -35.57            | -56.82             | 2.10                 | 12.50                 | V                  |
|                       | 3348              | -56.13      | -13           | -43.13            | -65.02             | 2.86                 | 13.90                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| GSM1900 (GPRS class 8) |                   |              |               |                   |                    |                      |                       |                    |
|------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                 | 3759              | -57.04       | -13           | -44.04            | -69.30             | 2.641                | 14.90                 | H                  |
|                        | 5640              | -55.16       | -13           | -42.16            | -67.02             | 2.94                 | 14.80                 | H                  |
|                        | 7524              | -50.27       | -13           | -37.27            | -60.04             | 3.39                 | 13.16                 | H                  |
|                        | 3760              | -56.64       | -13           | -43.64            | -68.90             | 2.64                 | 14.90                 | V                  |
|                        | 5640              | -54.72       | -13           | -41.72            | -66.58             | 2.94                 | 14.80                 | V                  |
|                        | 7524              | -49.69       | -13           | -36.69            | -59.46             | 3.39                 | 13.16                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| GSM1900 (EDGE class 8) |                   |              |               |                   |                    |                      |                       |                    |
|------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                 | 3759              | -57.07       | -13           | -44.07            | -69.33             | 2.64                 | 14.90                 | H                  |
|                        | 5640              | -55.34       | -13           | -42.34            | -67.20             | 2.94                 | 14.80                 | H                  |
|                        | 7524              | -50.61       | -13           | -37.61            | -60.38             | 3.39                 | 13.16                 | H                  |
|                        | 3759              | -57.08       | -13           | -44.08            | -69.34             | 2.64                 | 14.90                 | V                  |
|                        | 5640              | -54.74       | -13           | -41.74            | -66.60             | 2.94                 | 14.80                 | V                  |
|                        | 7524              | -49.73       | -13           | -36.73            | -59.50             | 3.39                 | 13.16                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| WCDMA Band V(RMC 12.2Kbps) |                   |             |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1672              | -67.81      | -13           | -54.81            | -74.78             | 1.58                 | 10.70                 | H                  |
|                            | 2510              | -63.13      | -13           | -50.13            | -71.38             | 2.102                | 12.50                 | H                  |
|                            | 3348              | -63.40      | -13           | -50.40            | -72.29             | 2.856                | 13.90                 | H                  |
|                            | 1672              | -68.12      | -13           | -55.12            | -75.09             | 1.58                 | 10.70                 | V                  |
|                            | 2510              | -63.14      | -13           | -50.14            | -71.39             | 2.10                 | 12.50                 | V                  |
|                            | 3348              | -63.60      | -13           | -50.60            | -72.49             | 2.86                 | 13.90                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| WCDMA Band II(RMC 12.2Kbps) |                   |              |               |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                      | 3759              | -56.89       | -13           | -43.89            | -69.15             | 2.64                 | 14.90                 | H                  |
|                             | 5640              | -54.66       | -13           | -41.66            | -66.52             | 2.94                 | 14.80                 | H                  |
|                             | 7524              | -50.03       | -13           | -37.03            | -59.80             | 3.39                 | 13.16                 | H                  |
|                             | 3759              | -56.15       | -13           | -43.15            | -68.41             | 2.64                 | 14.90                 | V                  |
|                             | 5640              | -54.43       | -13           | -41.43            | -66.29             | 2.94                 | 14.80                 | V                  |
|                             | 7524              | -49.38       | -13           | -36.38            | -59.15             | 3.39                 | 13.16                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| WCDMA Band IV(RMC 12.2Kbps) |                   |              |               |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                      | 3465              | -61.29       | -13           | -48.29            | -72.03             | 2.604                | 13.34                 | H                  |
|                             | 5199              | -56.22       | -13           | -43.22            | -66.73             | 3.011                | 13.52                 | H                  |
|                             | 6936              | -52.15       | -13           | -39.15            | -62.35             | 3.271                | 13.47                 | H                  |
|                             | 3465              | -61.17       | -13           | -48.17            | -71.91             | 2.604                | 13.34                 | V                  |
|                             | 5199              | -55.93       | -13           | -42.93            | -66.44             | 3.011                | 13.52                 | V                  |
|                             | 6936              | -52.17       | -13           | -39.17            | -62.37             | 3.271                | 13.47                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.