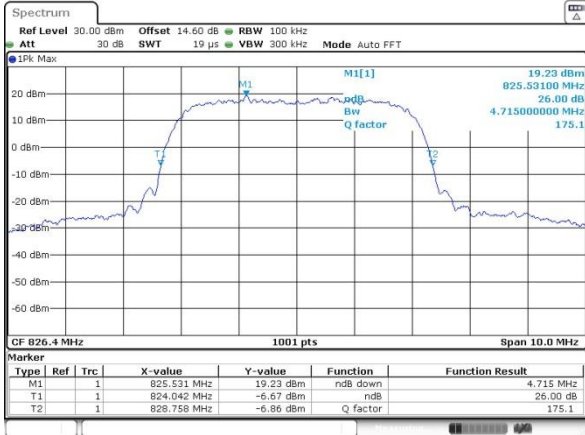




WCDMA Band V (RMC 12.2Kbps)

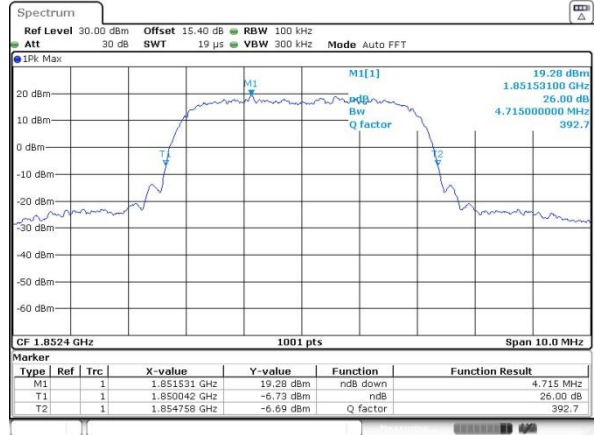
Lowest Channel



Date: 25.OCT.2022 09:31:27

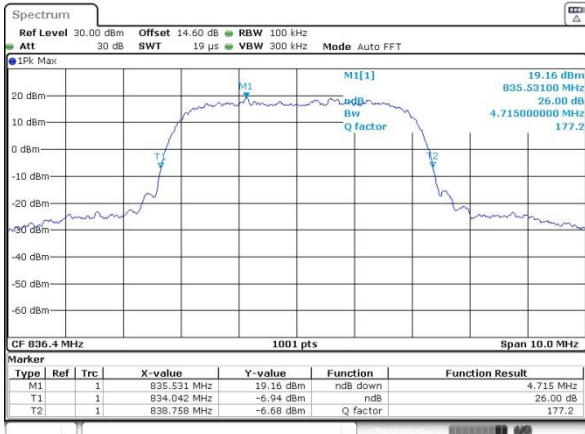
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



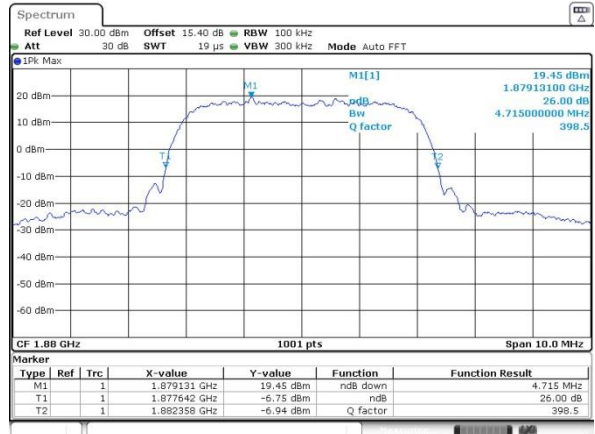
Date: 25.OCT.2022 10:29:35

Middle Channel



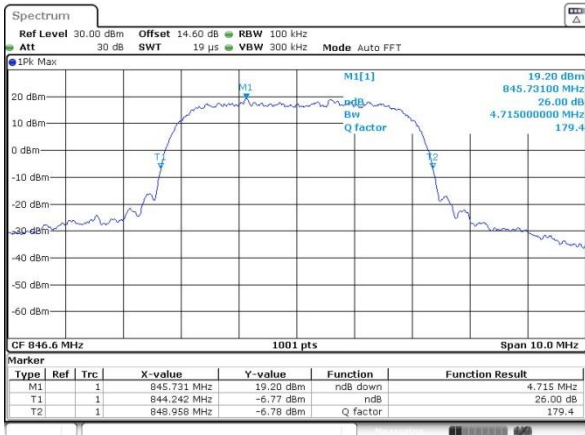
Date: 25.OCT.2022 09:31:55

Middle Channel



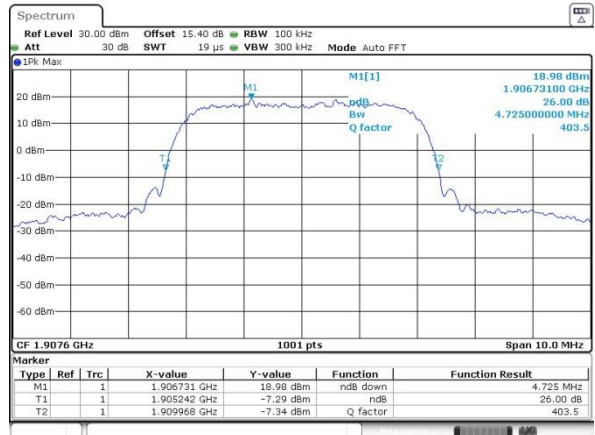
Date: 25.OCT.2022 10:30:04

Highest Channel



Date: 25.OCT.2022 09:32:27

Highest Channel

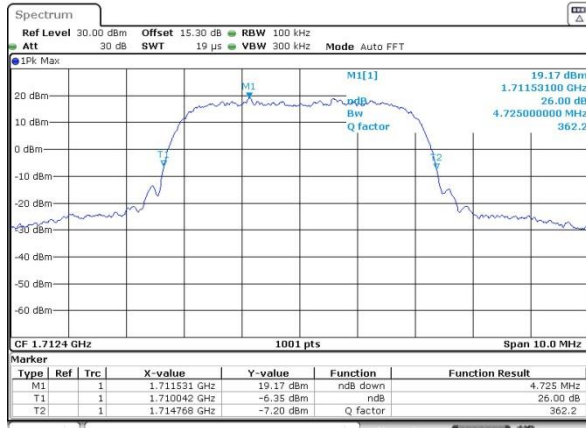


Date: 25.OCT.2022 10:30:28



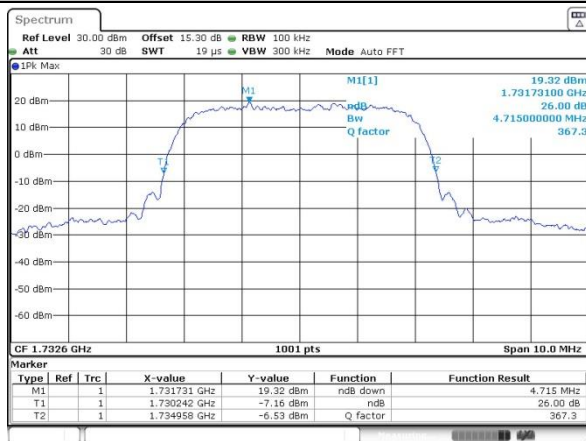
### WCDMA Band IV (RMC 12.2Kbps)

#### Lowest Channel



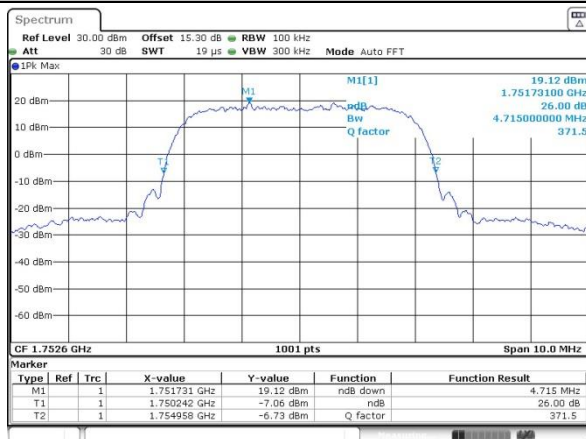
Date: 25.OCT.2022 10:01:19

#### Middle Channel



Date: 25.OCT.2022 10:02:03

#### Highest Channel



Date: 25.OCT.2022 10:02:35



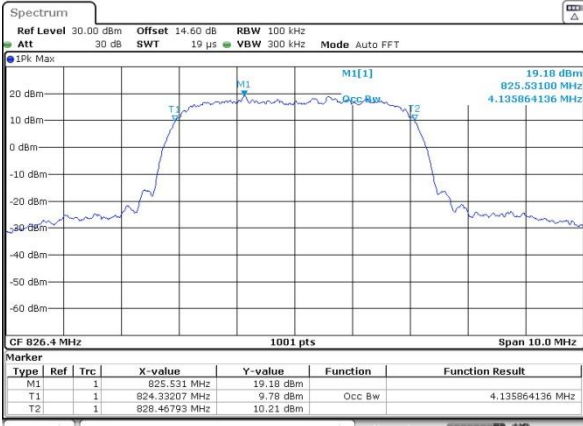
### Occupied Bandwidth

| Mode       | WCDMA Band V(MHz) | WCDMA Band II(MHz) | WCDMA Band IV(MHz) |
|------------|-------------------|--------------------|--------------------|
| Mod.       | RMC 12.2Kbps      | RMC 12.2Kbps       | RMC 12.2Kbps       |
| Lowest CH  | 4.136             | 4.136              | 4.146              |
| Middle CH  | 4.126             | 4.136              | 4.136              |
| Highest CH | 4.136             | 4.146              | 4.146              |



WCDMA Band V (RMC 12.2Kbps)

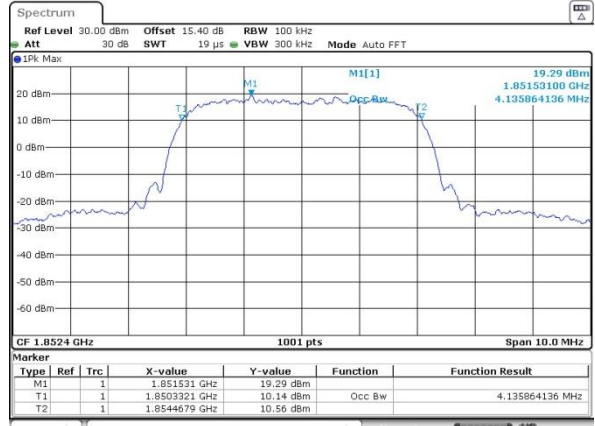
Lowest Channel



Date: 25.OCT.2022 09:33:18

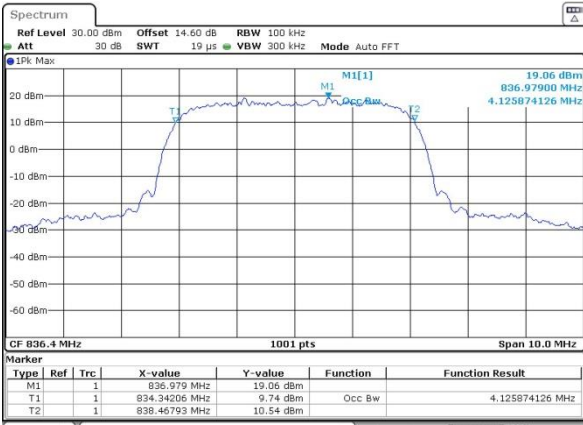
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



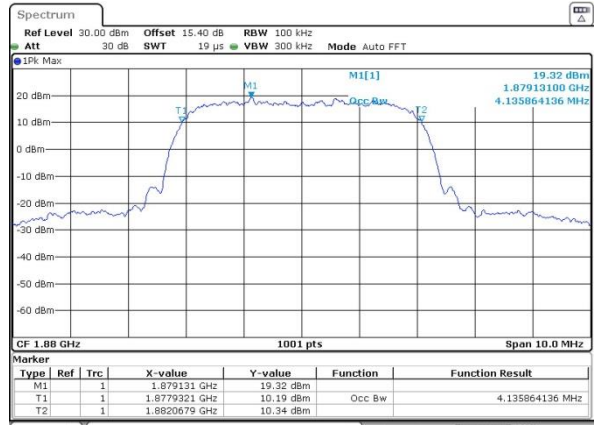
Date: 25.OCT.2022 10:35:35

Middle Channel



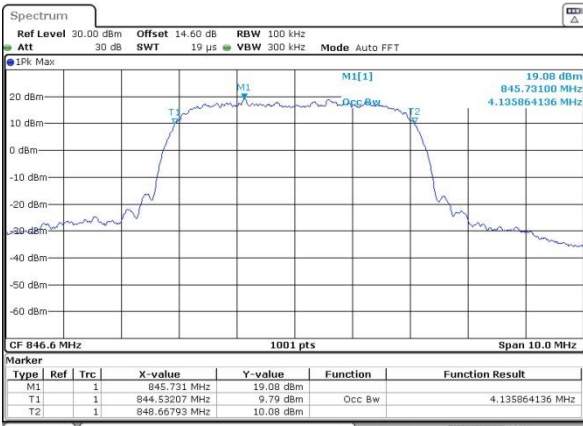
Date: 25.OCT.2022 09:33:42

Middle Channel



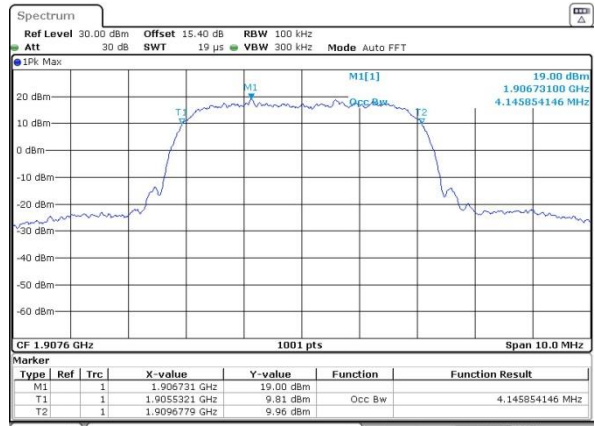
Date: 25.OCT.2022 10:36:27

Highest Channel

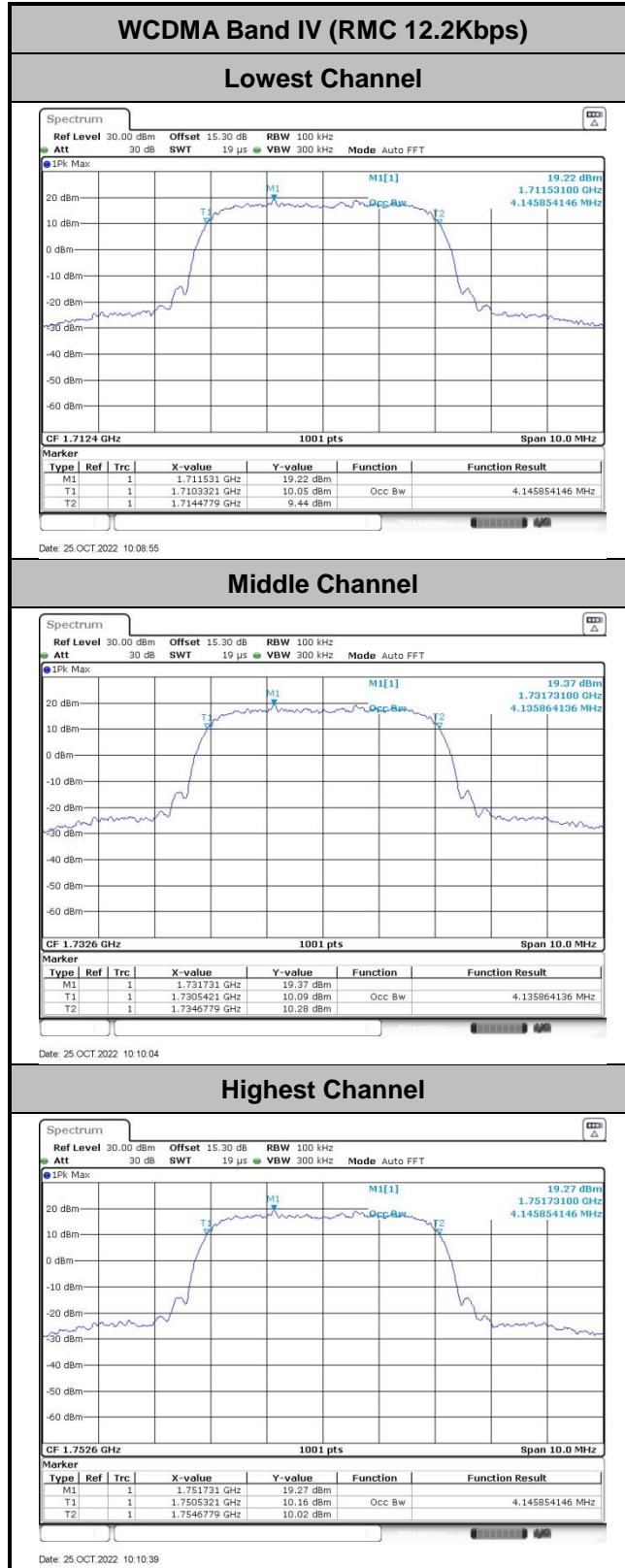


Date: 25.OCT.2022 09:34:10

Highest Channel

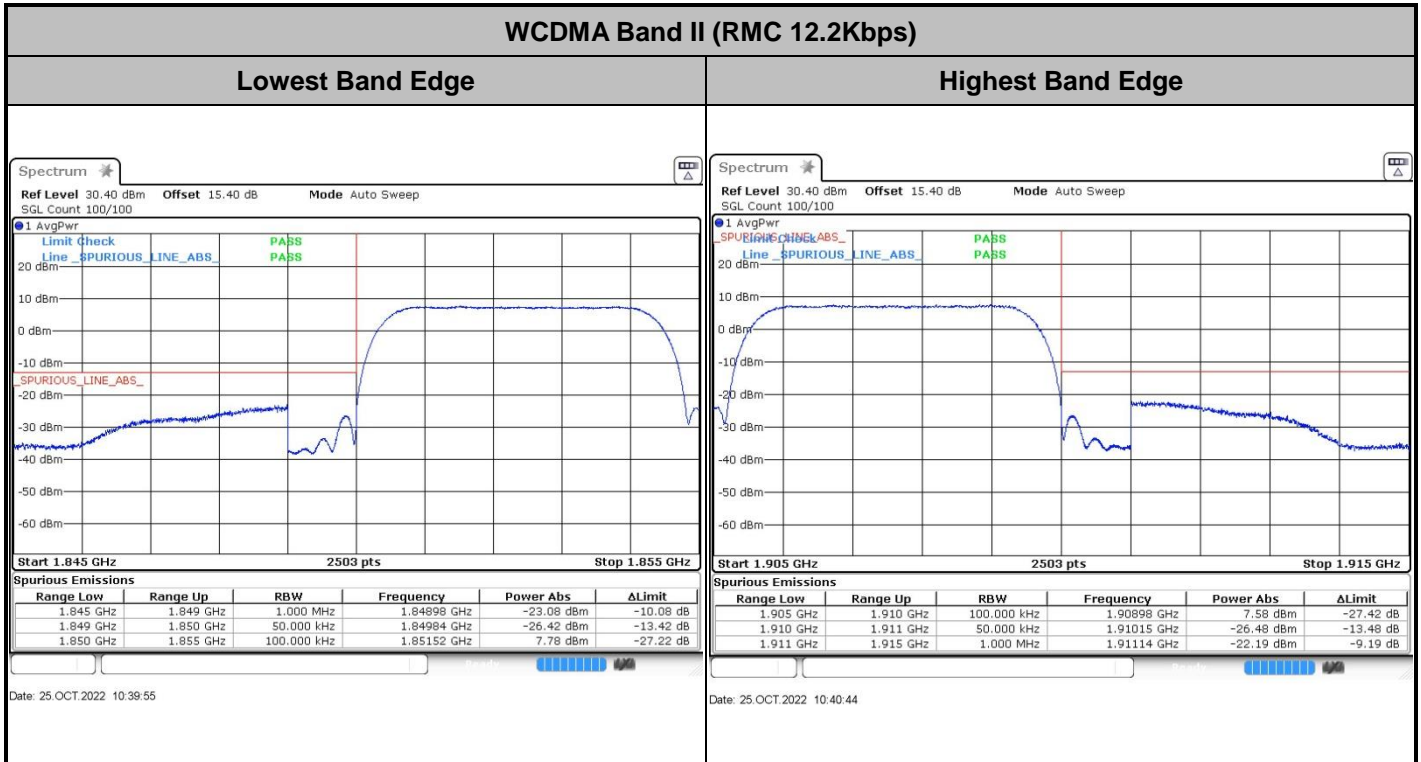
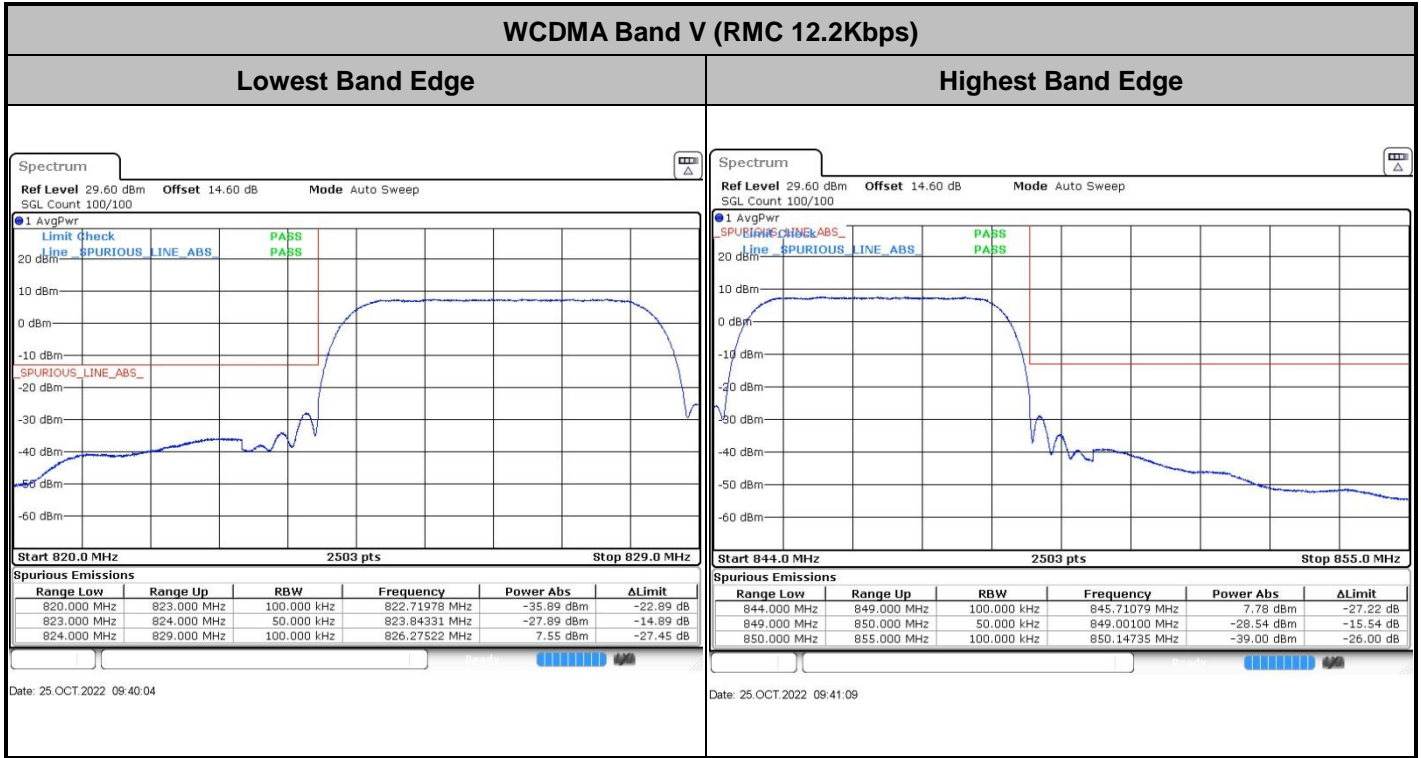


Date: 25.OCT.2022 10:37:05





# Conducted Band Edge

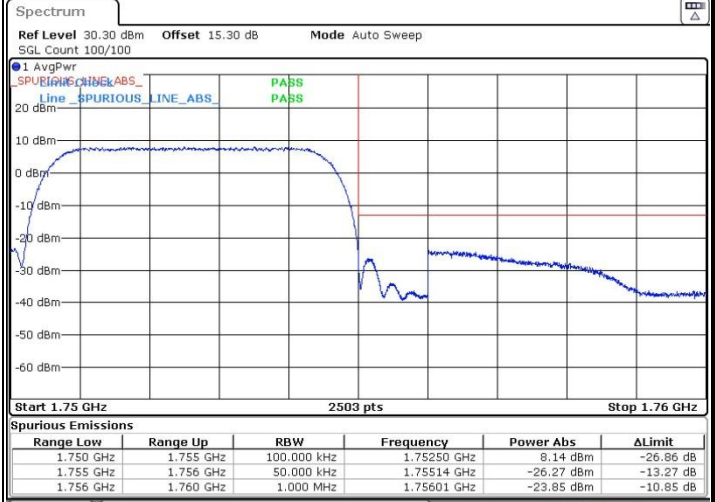




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

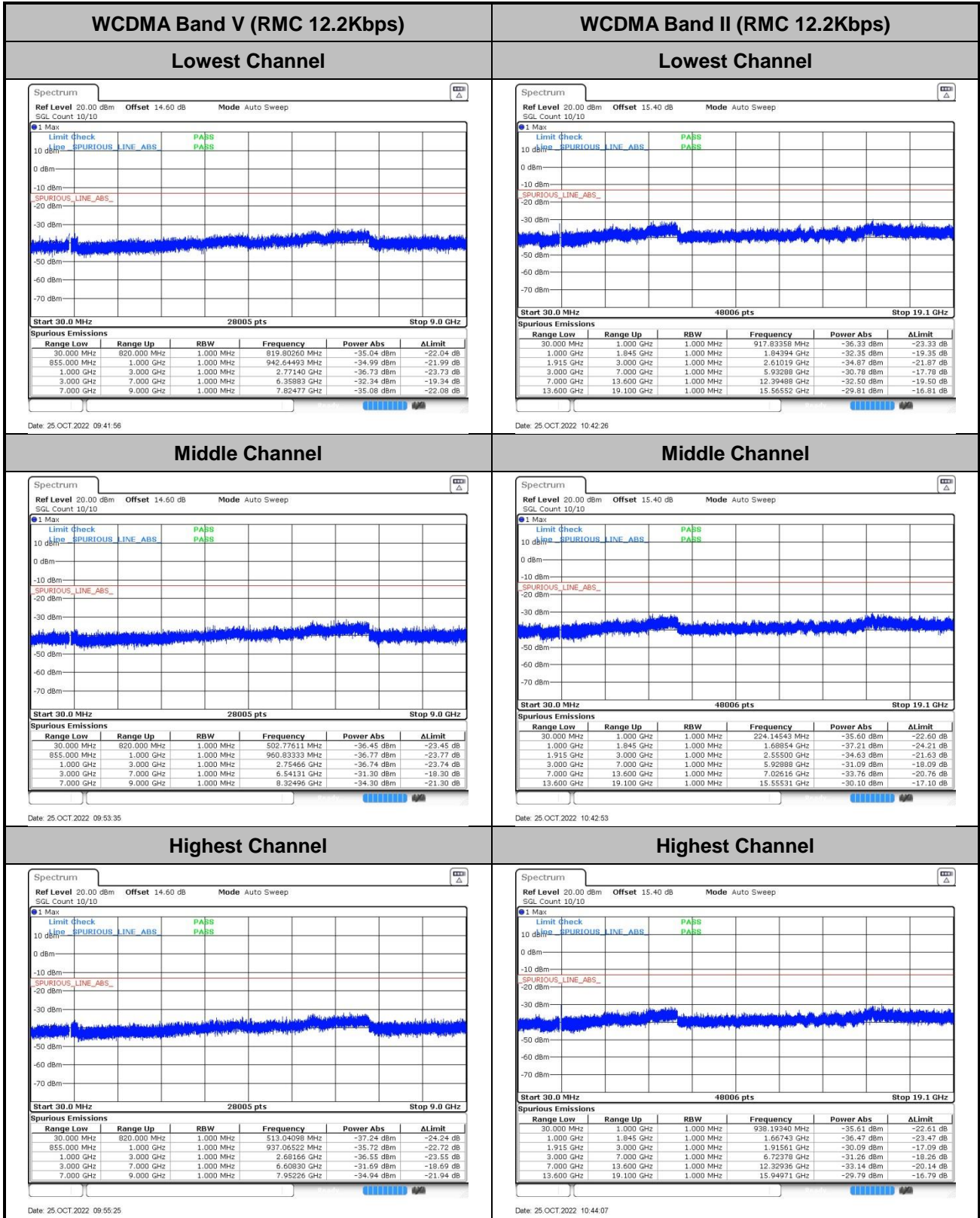


Date: 25.OCT.2022 10:11:32

Date: 25.OCT.2022 10:12:16



# Conducted Spurious Emission

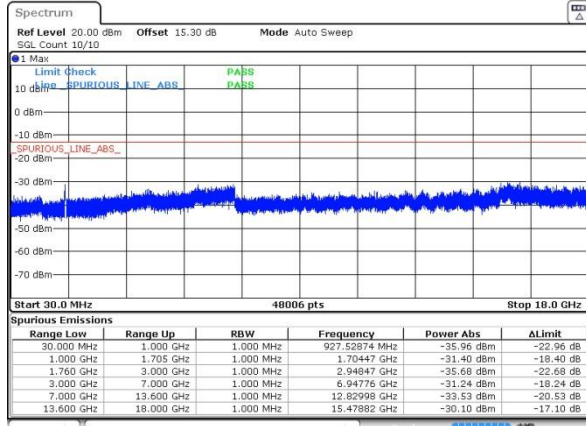






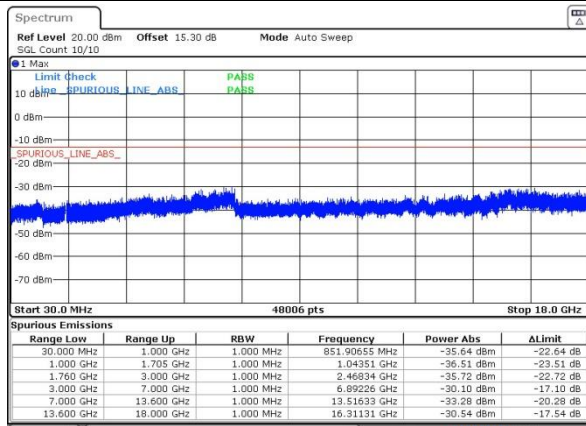
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



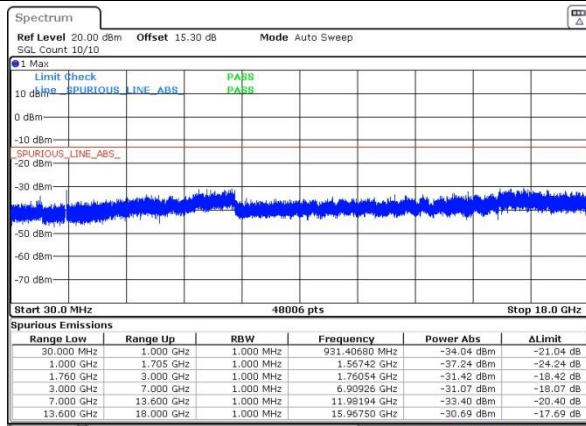
Date: 25.OCT.2022 10:19:36

Middle Channel



Date: 25.OCT.2022 10:20:00

Highest Channel



Date: 25.OCT.2022 10:26:03



### Frequency Stability

| Test Conditions  | Middle Channel    | WCDMA Band V<br>(RMC 12.2Kbps) | Limit            |
|------------------|-------------------|--------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                | 2.5ppm<br>Result |
| 50               | Normal Voltage    | 0.0029                         | PASS             |
| 40               | Normal Voltage    | 0.0017                         |                  |
| 30               | Normal Voltage    | 0.0015                         |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                  |
| 10               | Normal Voltage    | 0.0019                         |                  |
| 0                | Normal Voltage    | 0.0024                         |                  |
| -10              | Normal Voltage    | 0.0023                         |                  |
| -20              | Normal Voltage    | 0.0021                         |                  |
| -30              | Normal Voltage    | 0.0035                         |                  |
| 20               | Maximum Voltage   | 0.0018                         |                  |
| 20               | Normal Voltage    | 0.0006                         |                  |
| 20               | Battery End Point | 0.0013                         |                  |

| Test Conditions  | Middle Channel    | WCDMA Band II<br>(RMC 12.2Kbps) | Limit             |
|------------------|-------------------|---------------------------------|-------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Note 2.<br>Result |
| 50               | Normal Voltage    | 0.0026                          | PASS              |
| 40               | Normal Voltage    | 0.0023                          |                   |
| 30               | Normal Voltage    | 0.0014                          |                   |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                   |
| 10               | Normal Voltage    | 0.0011                          |                   |
| 0                | Normal Voltage    | 0.0016                          |                   |
| -10              | Normal Voltage    | 0.0022                          |                   |
| -20              | Normal Voltage    | 0.0027                          |                   |
| -30              | Normal Voltage    | 0.0034                          |                   |
| 20               | Maximum Voltage   | 0.0016                          |                   |
| 20               | Normal Voltage    | 0.0012                          |                   |
| 20               | Battery End Point | 0.0019                          |                   |



| Test Conditions<br>Temperature (°C) | Middle Channel<br>Voltage (Volt) | WCDMA Band IV<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|-------------------------------------|----------------------------------|---------------------------------|------------------|
|                                     |                                  | Deviation (ppm)                 | Result           |
| 50                                  | Normal Voltage                   | 0.0038                          | PASS             |
| 40                                  | Normal Voltage                   | 0.0026                          |                  |
| 30                                  | Normal Voltage                   | 0.0013                          |                  |
| 20(Ref.)                            | Normal Voltage                   | 0.0000                          |                  |
| 10                                  | Normal Voltage                   | 0.0017                          |                  |
| 0                                   | Normal Voltage                   | 0.0024                          |                  |
| -10                                 | Normal Voltage                   | 0.0022                          |                  |
| -20                                 | Normal Voltage                   | 0.0027                          |                  |
| -30                                 | Normal Voltage                   | 0.0032                          |                  |
| 20                                  | Maximum Voltage                  | 0.0019                          |                  |
| 20                                  | Normal Voltage                   | 0.0013                          |                  |
| 20                                  | Battery End Point                | 0.0011                          |                  |

**Note:**

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V
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

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | Kuang Jia | Temperature :       | 22~25°C |
|                 |           | Relative Humidity : | 48~52%  |

| GSM850 (GSM) |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel      | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle       | 1672.8            | -61.18      | -13           | -48.18            | -67.26            | -64.43             | 4.00                 | 9.40                  | H                  |
|              | 2509.2            | -60.63      | -13           | -47.63            | -70.78            | -64.20             | 4.88                 | 10.60                 | H                  |
|              | 3345.6            | -64.55      | -13           | -51.55            | -76.38            | -69.48             | 5.52                 | 12.60                 | H                  |
|              | 1672.8            | -57.53      | -13           | -44.53            | -63.33            | -60.78             | 4.00                 | 9.40                  | V                  |
|              | 2509.2            | -60.39      | -13           | -47.39            | -70.87            | -63.96             | 4.88                 | 10.60                 | V                  |
|              | 3345.6            | -63.96      | -13           | -50.96            | -76.17            | -68.89             | 5.52                 | 12.60                 | V                  |

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

| GSM850 (EDGE 1 Tx slots) |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                   | 1672.8            | -62.19      | -13           | -49.19            | -68.27            | -65.44             | 4.00                 | 9.40                  | H                  |
|                          | 2509.2            | -61.38      | -13           | -48.38            | -71.53            | -64.95             | 4.88                 | 10.60                 | H                  |
|                          | 3345.6            | -64.57      | -13           | -51.57            | -76.40            | -69.50             | 5.52                 | 12.60                 | H                  |
|                          | 1672.8            | -64.85      | -13           | -51.85            | -70.65            | -68.10             | 4.00                 | 9.40                  | V                  |
|                          | 2509.2            | -58.79      | -13           | -45.79            | -69.27            | -62.36             | 4.88                 | 10.60                 | V                  |
|                          | 3345.6            | -64.16      | -13           | -51.16            | -76.37            | -69.09             | 5.52                 | 12.60                 | V                  |

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

| GSM1900 (GSM) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel       | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle        | 3760              | -62.57       | -13           | -49.57            | -77.02            | -69.32             | 5.85                 | 12.60                 | H                  |
|               | 5640              | -62.28       | -13           | -49.28            | -79.16            | -68.08             | 7.30                 | 13.10                 | H                  |
|               | 7520              | -56.68       | -13           | -43.68            | -78.98            | -59.83             | 8.35                 | 11.50                 | H                  |
|               | 3760              | -62.44       | -13           | -49.44            | -77.07            | -69.19             | 5.85                 | 12.60                 | V                  |
|               | 5640              | -62.06       | -13           | -49.06            | -78.83            | -67.86             | 7.30                 | 13.10                 | V                  |
|               | 7520              | -57.11       | -13           | -44.11            | -79.29            | -60.26             | 8.35                 | 11.50                 | V                  |

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



| GSM1900 (EDGE 1 Tx slots) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 3760              | -62.48       | -13           | -49.48            | -76.93            | -69.23             | 5.85                 | 12.60                 | H                  |
|                           | 5640              | -61.74       | -13           | -48.74            | -78.62            | -67.54             | 7.30                 | 13.10                 | H                  |
|                           | 7520              | -56.56       | -13           | -43.56            | -78.86            | -59.71             | 8.35                 | 11.50                 | H                  |
|                           | 3760              | -61.97       | -13           | -48.97            | -76.6             | -68.72             | 5.85                 | 12.60                 | V                  |
|                           | 5640              | -61.96       | -13           | -48.96            | -78.73            | -67.76             | 7.30                 | 13.10                 | V                  |
|                           | 7520              | -56.79       | -13           | -43.79            | -78.97            | -59.94             | 8.35                 | 11.50                 | 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 ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1672.8            | -67.06      | -13           | -54.06            | -73.14            | -70.31             | 4.00                 | 9.40                  | H                  |
|                            | 2509.2            | -64.56      | -13           | -51.56            | -74.71            | -68.13             | 4.88                 | 10.60                 | H                  |
|                            | 3345.6            | -63.77      | -13           | -50.77            | -75.60            | -68.70             | 5.52                 | 12.60                 | H                  |
|                            | 1672.8            | -67.43      | -13           | -54.43            | -73.23            | -70.68             | 4.00                 | 9.40                  | V                  |
|                            | 2509.2            | -64.10      | -13           | -51.10            | -74.58            | -67.67             | 4.88                 | 10.60                 | V                  |
|                            | 3345.6            | -63.53      | -13           | -50.53            | -75.74            | -68.46             | 5.52                 | 12.60                 | 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 ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                      | 3760              | -62.53       | -13           | -49.53            | -76.98            | -69.28             | 5.85                 | 12.60                 | H                  |
|                             | 5640              | -61.80       | -13           | -48.80            | -78.68            | -67.60             | 7.30                 | 13.10                 | H                  |
|                             | 7520              | -56.72       | -13           | -43.72            | -79.02            | -59.87             | 8.35                 | 11.50                 | H                  |
|                             | 3760              | -62.26       | -13           | -49.26            | -76.89            | -69.01             | 5.85                 | 12.60                 | V                  |
|                             | 5640              | -61.86       | -13           | -48.86            | -78.63            | -67.66             | 7.30                 | 13.10                 | V                  |
|                             | 7520              | -56.62       | -13           | -43.62            | -78.8             | -59.77             | 8.35                 | 11.50                 | 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 ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                      | 3465.2            | -63.56       | -13           | -50.56            | -76.10            | -70.31             | 5.85                 | 12.60                 | H                  |
|                             | 5197.8            | -61.78       | -13           | -48.78            | -79.02            | -67.58             | 7.30                 | 13.10                 | H                  |
|                             | 6930.4            | -58.20       | -13           | -45.20            | -78.73            | -61.35             | 8.35                 | 11.50                 | H                  |
|                             | 3465.2            | -63.11       | -13           | -50.11            | -76.19            | -69.86             | 5.85                 | 12.60                 | V                  |
|                             | 5197.8            | -61.82       | -13           | -48.82            | -79.01            | -67.62             | 7.30                 | 13.10                 | V                  |
|                             | 6930.4            | -58.73       | -13           | -45.73            | -79.27            | -61.88             | 8.35                 | 11.50                 | V                  |

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