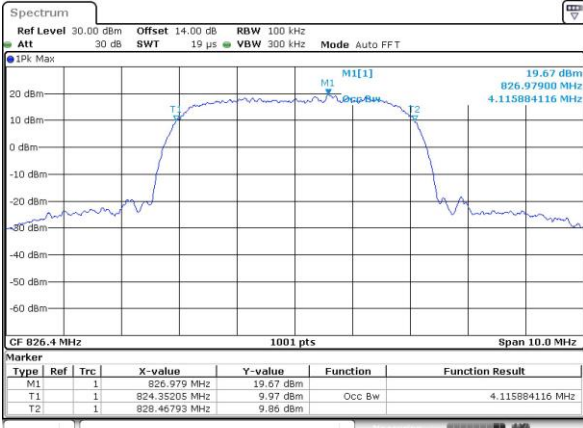




WCDMA Band V (RMC 12.2Kbps)

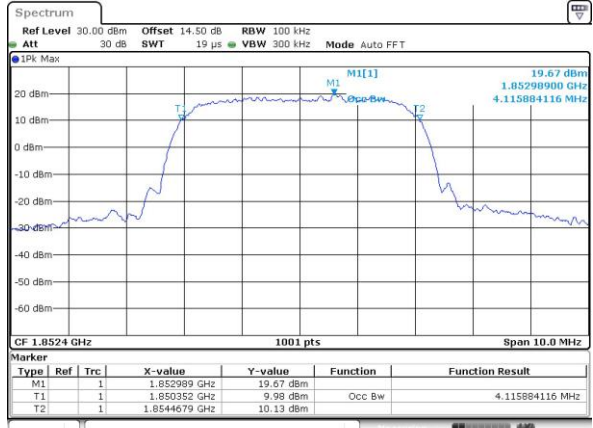
Lowest Channel



Date: 22_JUL_2022 10:29:06

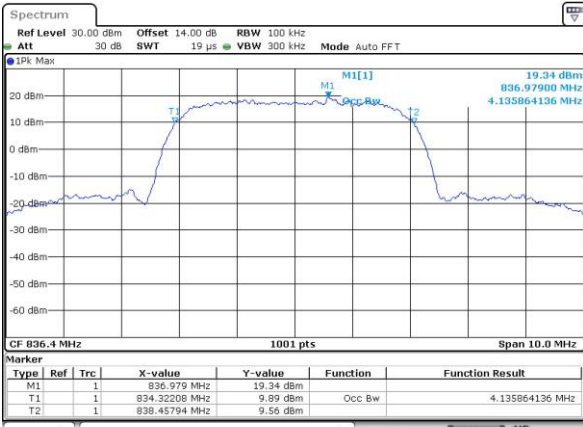
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



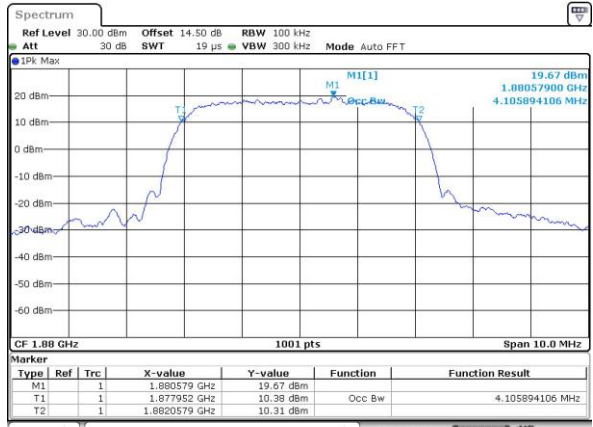
Date: 22_JUL_2022 10:55:31

Middle Channel



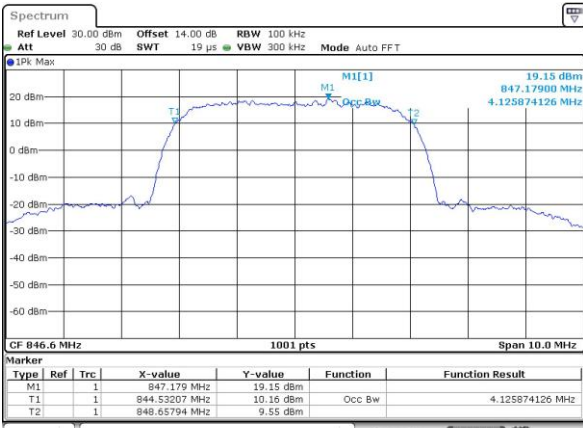
Date: 22_JUL_2022 10:31:16

Middle Channel



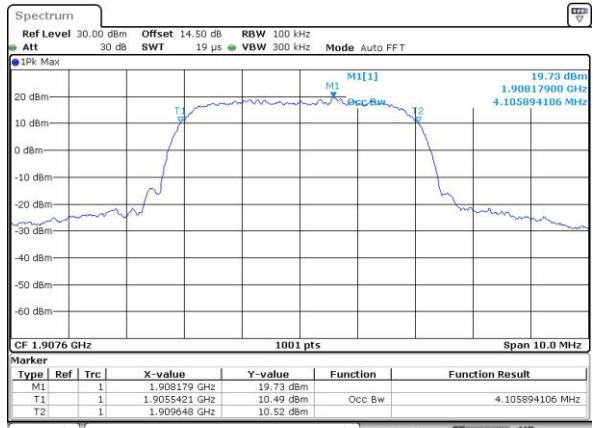
Date: 22_JUL_2022 10:55:55

Highest Channel



Date: 22_JUL_2022 10:31:44

Highest Channel

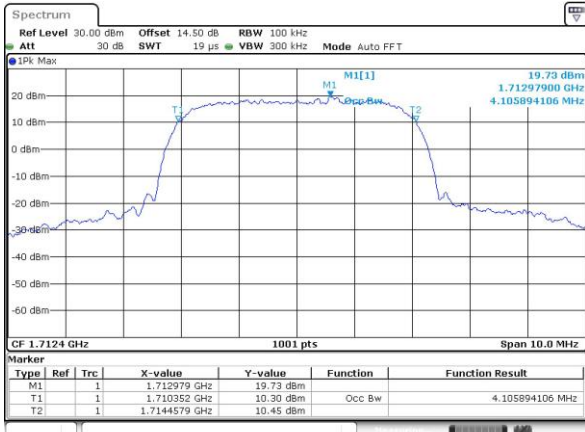


Date: 22_JUL_2022 10:56:21

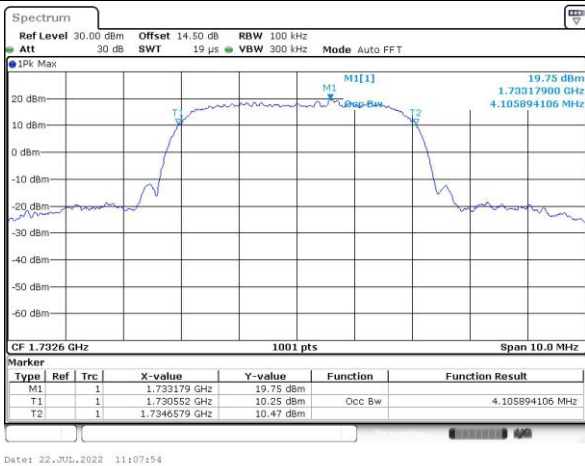


WCDMA Band IV (RMC 12.2Kbps)

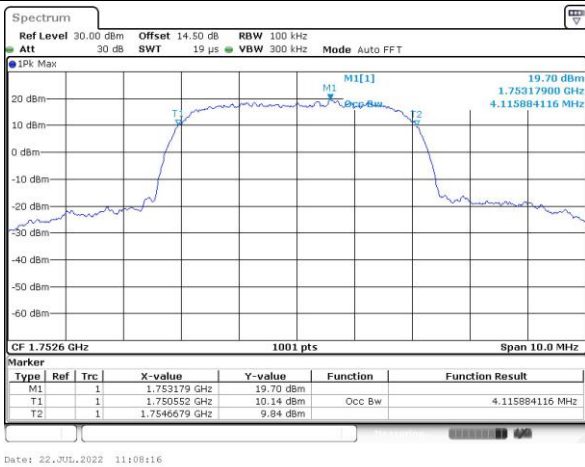
Lowest Channel



Middle Channel

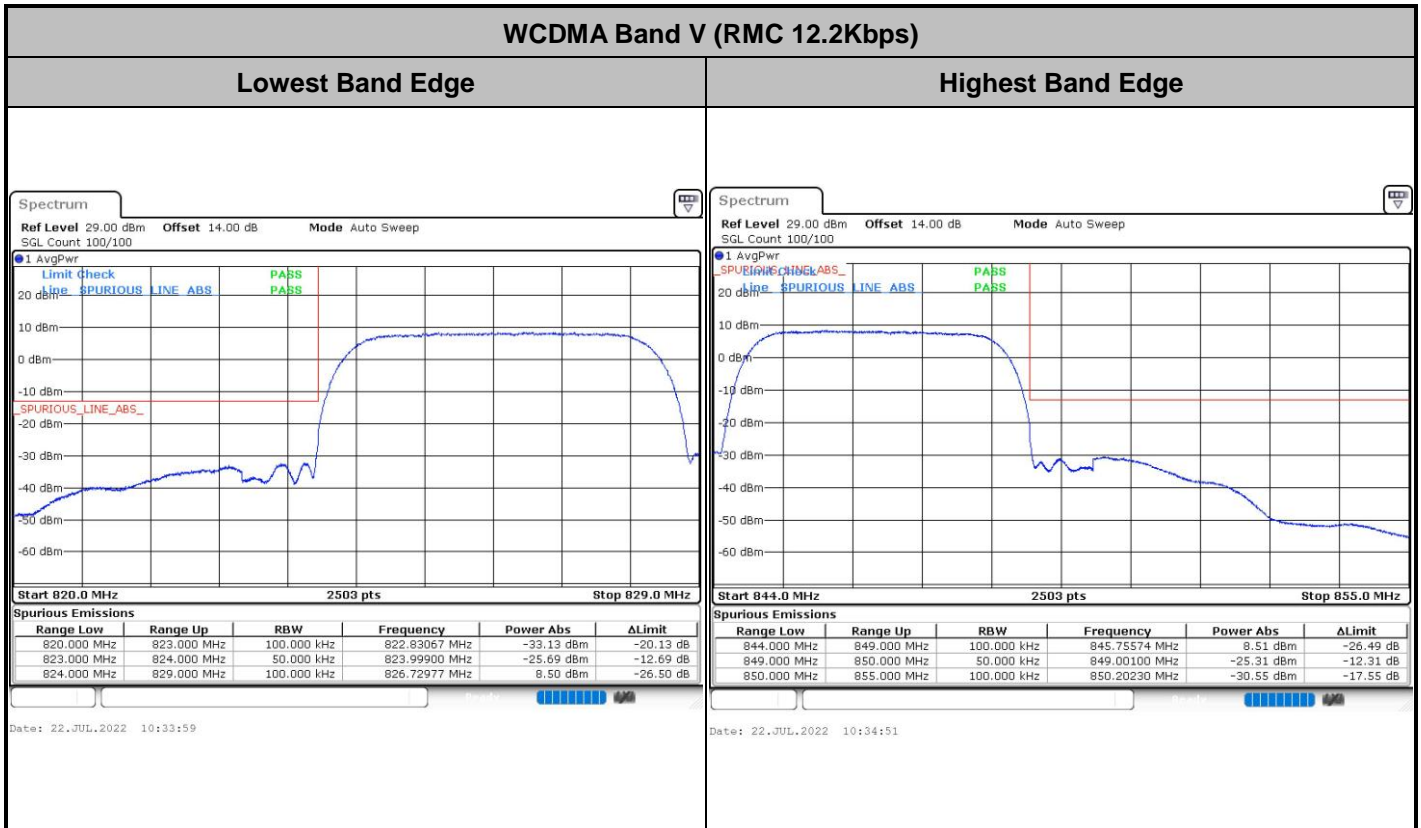


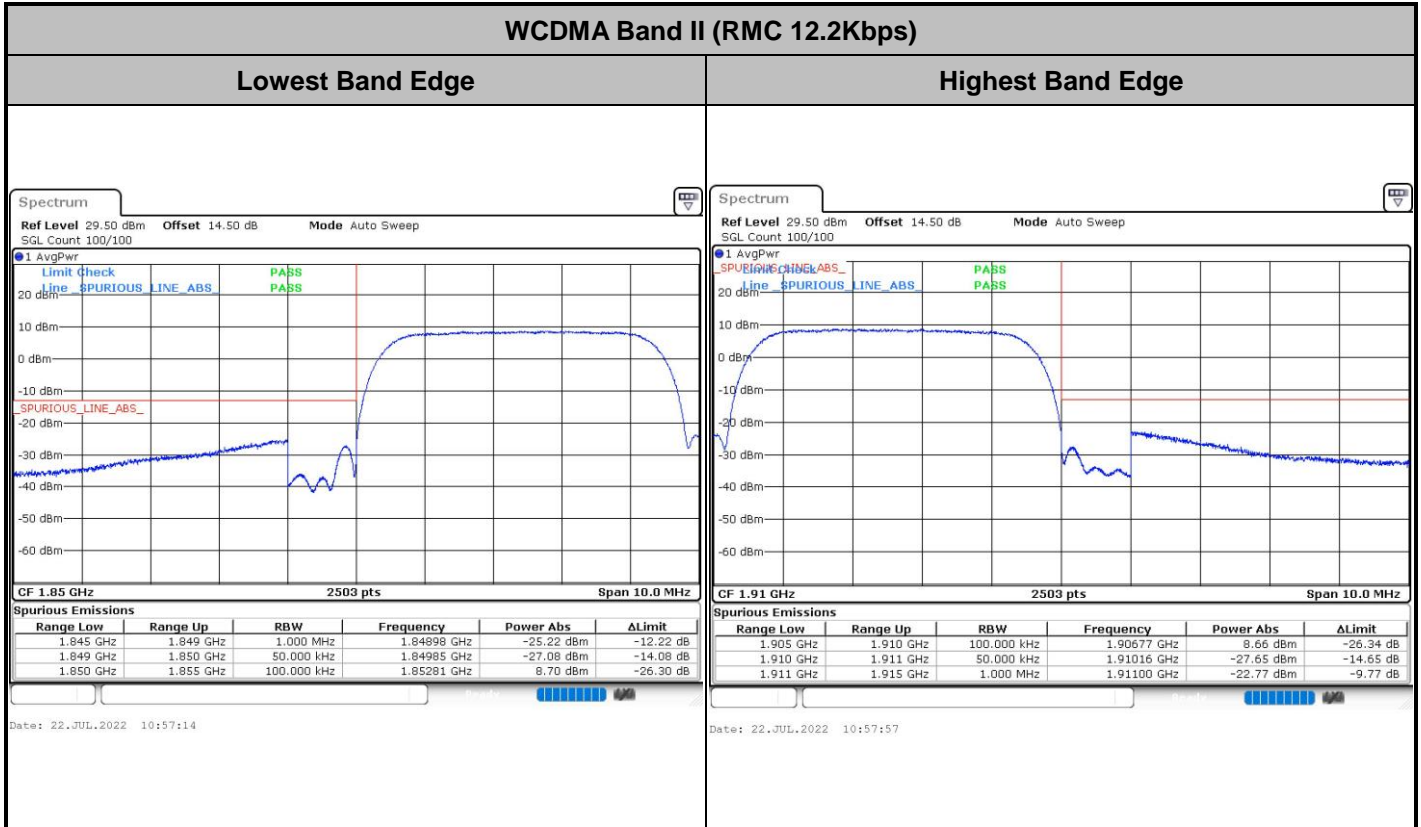
Highest Channel

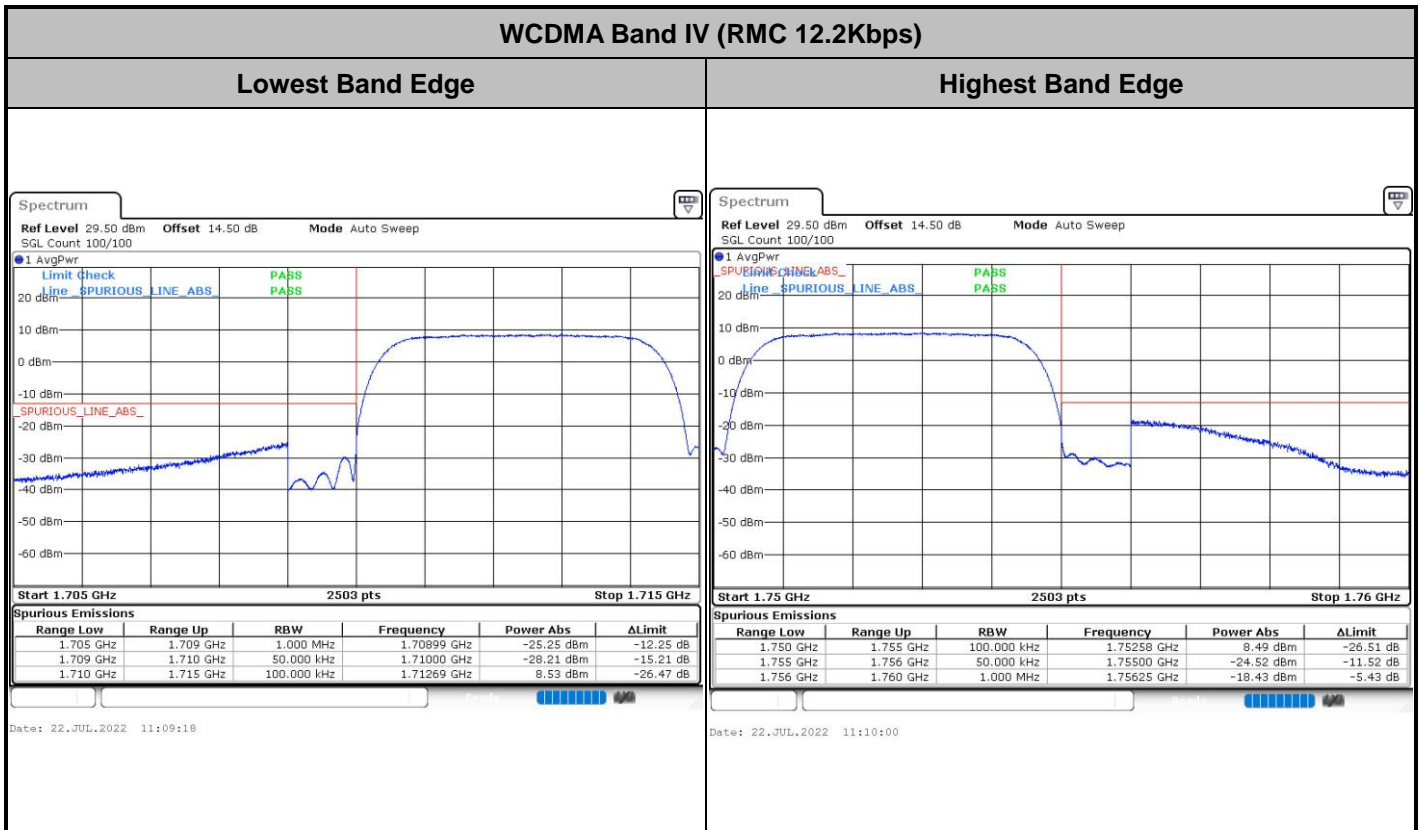




Conducted Band Edge

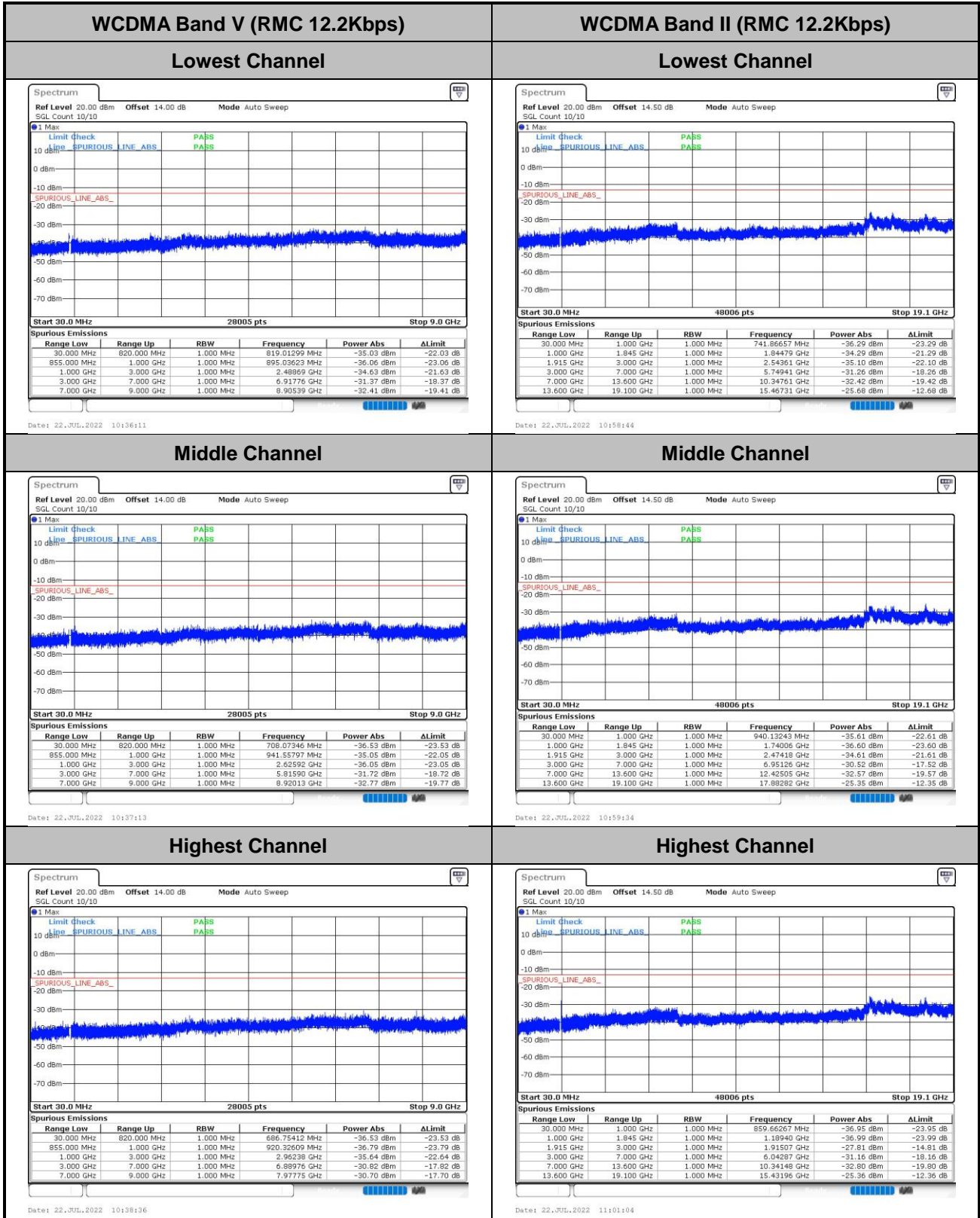








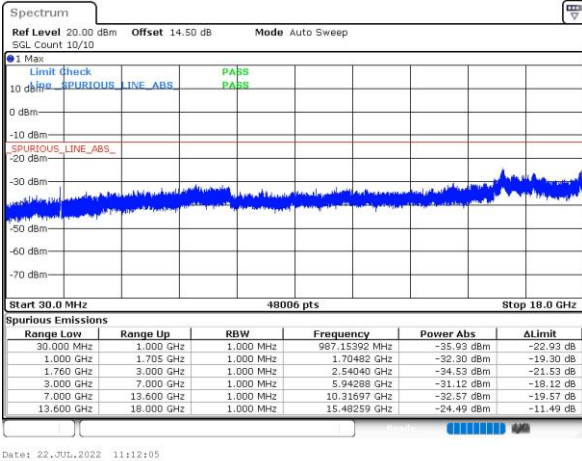
Conducted Spurious Emission



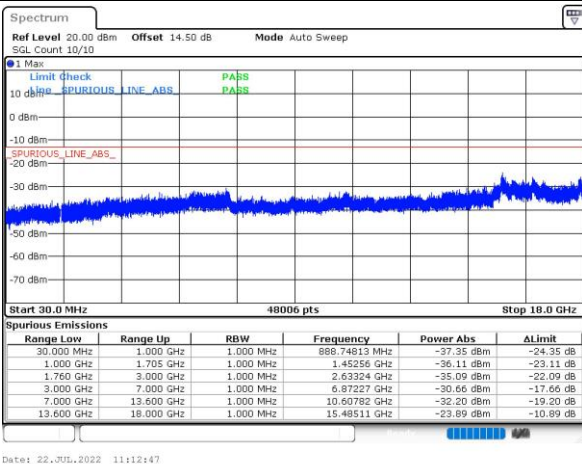


WCDMA Band IV (RMC 12.2Kbps)

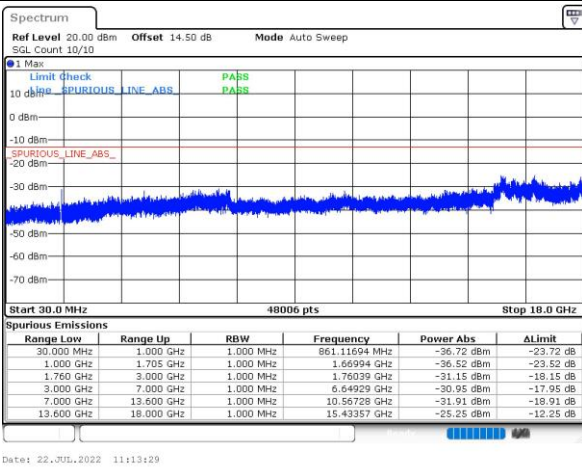
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

| Test Conditions | Middle Channel | WCDMA Band V (RMC 12.2Kbps) | Limit 2.5ppm |
|------------------|-------------------|--------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0016 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0016 | |
| 0 | Normal Voltage | 0.0007 | |
| -10 | Normal Voltage | 0.0007 | |
| -20 | Normal Voltage | 0.0002 | |
| -30 | Normal Voltage | 0.0013 | |
| 20 | Maximum Voltage | 0.0011 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0002 | |

| Test Conditions | Middle Channel | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0004 | PASS |
| 40 | Normal Voltage | 0.0007 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0002 | |
| 0 | Normal Voltage | 0.0002 | |
| -10 | Normal Voltage | 0.0010 | |
| -20 | Normal Voltage | 0.0001 | |
| -30 | Normal Voltage | 0.0001 | |
| 20 | Maximum Voltage | 0.0005 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0002 | |

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
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 (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0007 | PASS |
| 40 | Normal Voltage | 0.0003 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0009 | |
| 0 | Normal Voltage | 0.0004 | |
| -10 | Normal Voltage | 0.0002 | |
| -20 | Normal Voltage | 0.0002 | |
| -30 | Normal Voltage | 0.0006 | |
| 20 | Maximum Voltage | 0.0006 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0004 | |

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
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 : | Eason Zhou | 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 | -62.83 | -13 | -49.83 | -72.34 | -66.08 | 4.00 | 9.40 | H |
| | 2509.2 | -47.00 | -13 | -34.00 | -61.14 | -50.57 | 4.88 | 10.60 | H |
| | 3345.6 | -56.57 | -13 | -43.57 | -72.66 | -61.50 | 5.52 | 12.60 | H |
| | 1672.8 | -62.70 | -13 | -49.70 | -71.66 | -65.95 | 4.00 | 9.40 | V |
| | 2509.2 | -44.52 | -13 | -31.52 | -58.62 | -48.09 | 4.88 | 10.60 | V |
| | 3345.6 | -56.75 | -13 | -43.75 | -72.57 | -61.68 | 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 | -63.12 | -13 | -50.12 | -72.63 | -66.37 | 4.00 | 9.40 | H |
| | 2509.2 | -46.05 | -13 | -33.05 | -60.19 | -49.62 | 4.88 | 10.60 | H |
| | 3345.6 | -59.83 | -13 | -46.83 | -75.92 | -64.76 | 5.52 | 12.60 | H |
| | 1672.8 | -63.78 | -13 | -50.78 | -72.74 | -67.03 | 4.00 | 9.40 | V |
| | 2509.2 | -45.38 | -13 | -32.38 | -59.48 | -48.95 | 4.88 | 10.60 | V |
| | 3345.6 | -56.15 | -13 | -43.15 | -71.97 | -61.08 | 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 | -60.50 | -13 | -47.50 | -78.40 | -67.25 | 5.85 | 12.60 | H |
| | 5640 | -57.14 | -13 | -44.14 | -80.24 | -62.94 | 7.30 | 13.10 | H |
| | 7520 | -53.33 | -13 | -40.33 | -79.49 | -56.48 | 8.35 | 11.50 | H |
| | 3760 | -60.84 | -13 | -47.84 | -78.67 | -67.59 | 5.85 | 12.60 | V |
| | 5640 | -57.73 | -13 | -44.73 | -80.08 | -63.53 | 7.30 | 13.10 | V |
| | 7520 | -53.27 | -13 | -40.27 | -79.41 | -56.42 | 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 | -60.56 | -13 | -47.56 | -78.46 | -67.31 | 5.85 | 12.60 | H |
| | 5640 | -57.05 | -13 | -44.05 | -80.15 | -62.85 | 7.30 | 13.10 | H |
| | 7520 | -53.36 | -13 | -40.36 | -79.52 | -56.51 | 8.35 | 11.50 | H |
| | 3760 | -60.69 | -13 | -47.69 | -78.52 | -67.44 | 5.85 | 12.60 | V |
| | 5640 | -57.58 | -13 | -44.58 | -79.93 | -63.38 | 7.30 | 13.10 | V |
| | 7520 | -53.45 | -13 | -40.45 | -79.59 | -56.60 | 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 | -65.11 | -13 | -52.11 | -74.62 | -68.36 | 4.00 | 9.40 | H |
| | 2509.2 | -62.44 | -13 | -49.44 | -76.58 | -66.01 | 4.88 | 10.60 | H |
| | 3345.6 | -61.82 | -13 | -48.82 | -77.91 | -66.75 | 5.52 | 12.60 | H |
| | 1672.8 | -65.95 | -13 | -52.95 | -74.91 | -69.20 | 4.00 | 9.40 | V |
| | 2509.2 | -62.88 | -13 | -49.88 | -76.98 | -66.45 | 4.88 | 10.60 | V |
| | 3345.6 | -61.87 | -13 | -48.87 | -77.69 | -66.80 | 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 | -60.80 | -13 | -47.80 | -78.70 | -67.55 | 5.85 | 12.60 | H |
| | 5640 | -56.75 | -13 | -43.75 | -79.85 | -62.55 | 7.30 | 13.10 | H |
| | 7520 | -53.30 | -13 | -40.30 | -79.46 | -56.45 | 8.35 | 11.50 | H |
| | 3760 | -60.63 | -13 | -47.63 | -78.46 | -67.38 | 5.85 | 12.60 | V |
| | 5640 | -57.81 | -13 | -44.81 | -80.16 | -63.61 | 7.30 | 13.10 | V |
| | 7520 | -53.33 | -13 | -40.33 | -79.47 | -56.48 | 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 | -45.04 | -13 | -32.04 | -61.98 | -51.89 | 5.65 | 12.50 | H |
| | 5197.8 | -59.12 | -13 | -46.12 | -80.60 | -64.79 | 7.13 | 12.80 | H |
| | 6930.4 | -54.42 | -13 | -41.42 | -80.21 | -57.82 | 8.40 | 11.80 | H |
| | 3465.2 | -50.65 | -13 | -37.65 | -67.61 | -57.50 | 5.65 | 12.50 | V |
| | 5197.8 | -58.91 | -13 | -45.91 | -80.7 | -64.58 | 7.13 | 12.80 | V |
| | 6930.4 | -54.03 | -13 | -41.03 | -80.29 | -57.43 | 8.40 | 11.80 | V |

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