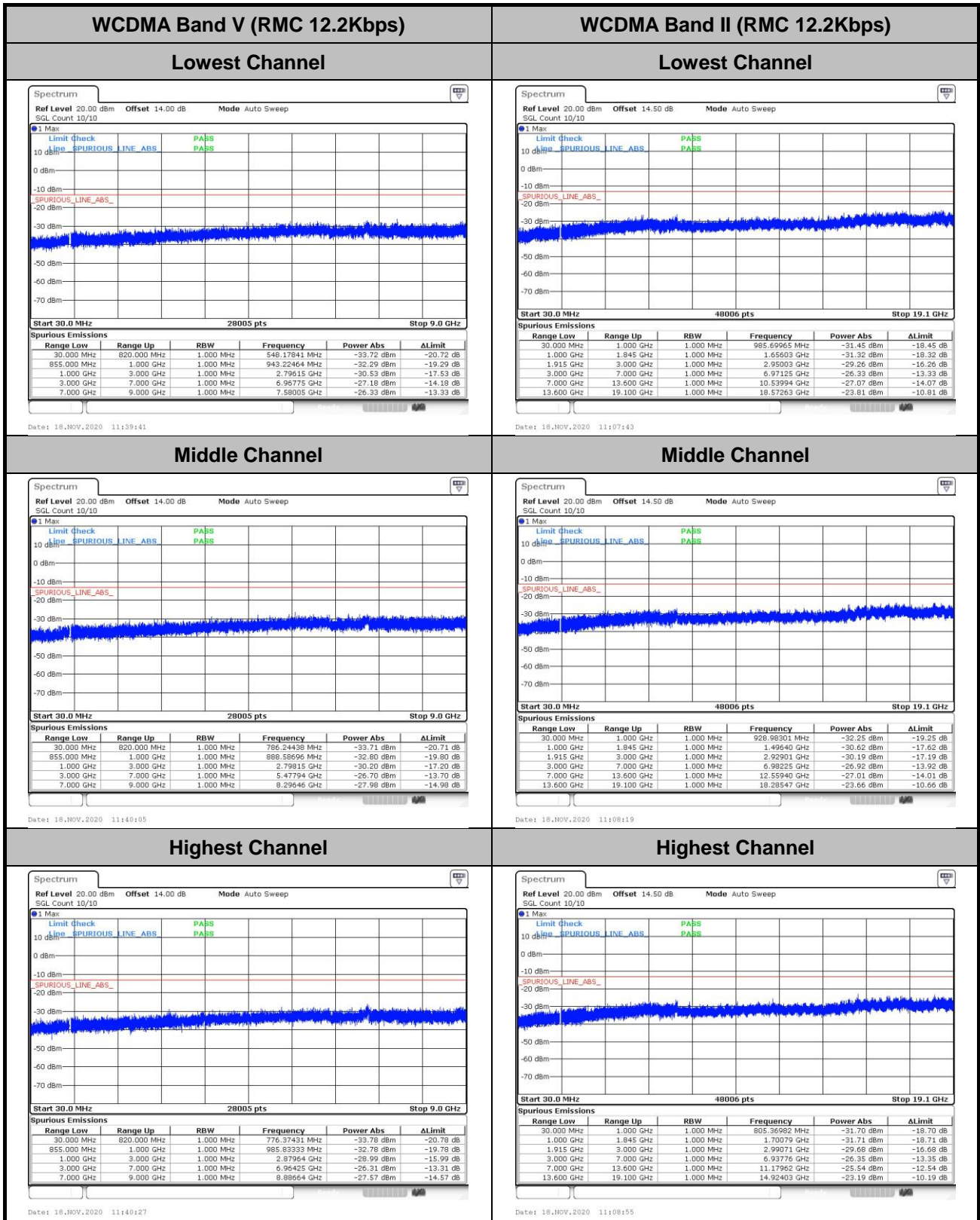




Conducted Spurious Emission





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 | 0.0021 | PASS |
| 40 | Normal Voltage | 0.0043 | |
| 30 | Normal Voltage | 0.0038 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0049 | |
| 0 | Normal Voltage | 0.0010 | |
| -10 | Normal Voltage | 0.0017 | |
| -20 | Normal Voltage | 0.0078 | |
| -30 | Normal Voltage | 0.0017 | |
| 20 | Maximum Voltage | 0.0031 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0082 | |

| Test Conditions | Middle Channel | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0071 | PASS |
| 40 | Normal Voltage | 0.0042 | |
| 30 | Normal Voltage | 0.0031 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0041 | |
| 0 | Normal Voltage | 0.0052 | |
| -10 | Normal Voltage | 0.0063 | |
| -20 | Normal Voltage | 0.0026 | |
| -30 | Normal Voltage | 0.0038 | |
| 20 | Maximum Voltage | 0.0062 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0083 | |

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.4 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

| 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 | -56.30 | -13 | -43.30 | -63.90 | -59.55 | 4.00 | 9.40 | H |
| | 2509.2 | -54.56 | -13 | -41.56 | -66.63 | -58.13 | 4.88 | 10.60 | H |
| | 3345.6 | -61.28 | -13 | -48.28 | -76.03 | -66.21 | 5.52 | 12.60 | H |
| | 1672.8 | -48.47 | -13 | -35.47 | -56.26 | -51.72 | 4.00 | 9.40 | V |
| | 2509.2 | -43.39 | -13 | -30.39 | -55.58 | -46.96 | 4.88 | 10.60 | V |
| | 3345.6 | -60.41 | -13 | -47.41 | -75.18 | -65.34 | 5.52 | 12.60 | V |

| 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 | -60.23 | -13 | -47.23 | -67.83 | -63.48 | 4.00 | 9.40 | H |
| | 2509.2 | -57.59 | -13 | -44.59 | -69.66 | -61.16 | 4.88 | 10.60 | H |
| | 3345.6 | -61.35 | -13 | -48.35 | -76.10 | -66.28 | 5.52 | 12.60 | H |
| | 1672.8 | -58.41 | -13 | -45.41 | -66.20 | -61.66 | 4.00 | 9.40 | V |
| | 2509.2 | -62.00 | -13 | -49.00 | -74.19 | -65.57 | 4.88 | 10.60 | V |
| | 3345.6 | -61.31 | -13 | -48.31 | -76.08 | -66.24 | 5.52 | 12.60 | V |



| GSM1900 (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 | 3760 | -60.31 | -13 | -47.31 | -76.54 | -67.06 | 5.85 | 12.60 | H |
| | 5640 | -58.07 | -13 | -45.07 | -78.38 | -63.87 | 7.30 | 13.10 | H |
| | 7520 | -54.11 | -13 | -41.11 | -78.65 | -57.26 | 8.35 | 11.50 | H |
| | 3760 | -60.88 | -13 | -47.88 | -76.67 | -67.63 | 5.85 | 12.60 | V |
| | 5640 | -59.22 | -13 | -46.22 | -78.32 | -65.02 | 7.30 | 13.10 | V |
| | 7520 | -54.01 | -13 | -41.01 | -78.97 | -57.16 | 8.35 | 11.50 | V |

| 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 | 3760 | -60.23 | -13 | -47.23 | -76.46 | -66.98 | 5.85 | 12.60 | H |
| | 5640 | -57.89 | -13 | -44.89 | -78.20 | -63.69 | 7.30 | 13.10 | H |
| | 7520 | -54.28 | -13 | -41.28 | -78.82 | -57.43 | 8.35 | 11.50 | H |
| | 3760 | -60.88 | -13 | -47.88 | -76.67 | -67.63 | 5.85 | 12.60 | V |
| | 5640 | -59.03 | -13 | -46.03 | -78.13 | -64.83 | 7.30 | 13.10 | V |
| | 7520 | -53.86 | -13 | -40.86 | -78.82 | -57.01 | 8.35 | 11.50 | V |



| 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 | -63.92 | -13 | -50.92 | -71.52 | -67.17 | 4.00 | 9.40 | H |
| | 2509.2 | -62.02 | -13 | -49.02 | -74.09 | -65.59 | 4.88 | 10.60 | H |
| | 3345.6 | -60.78 | -13 | -47.78 | -75.53 | -65.71 | 5.52 | 12.60 | H |
| | 1672.8 | -60.55 | -13 | -47.55 | -68.34 | -63.80 | 4.00 | 9.40 | V |
| | 2509.2 | -62.25 | -13 | -49.25 | -74.44 | -65.82 | 4.88 | 10.60 | V |
| | 3345.6 | -60.67 | -13 | -47.67 | -75.44 | -65.60 | 5.52 | 12.60 | V |

| WCDMA Band II(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 | 3760 | -57.38 | -13 | -44.38 | -73.61 | -64.13 | 5.85 | 12.60 | H |
| | 5640 | -57.84 | -13 | -44.84 | -78.15 | -63.64 | 7.30 | 13.10 | H |
| | 7520 | -54.06 | -13 | -41.06 | -78.60 | -57.21 | 8.35 | 11.50 | H |
| | 3760 | -58.42 | -13 | -45.42 | -74.21 | -65.17 | 5.85 | 12.60 | V |
| | 5640 | -58.90 | -13 | -45.90 | -78 | -64.70 | 7.30 | 13.10 | V |
| | 7520 | -53.83 | -13 | -40.83 | -78.79 | -56.98 | 8.35 | 11.50 | V |

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