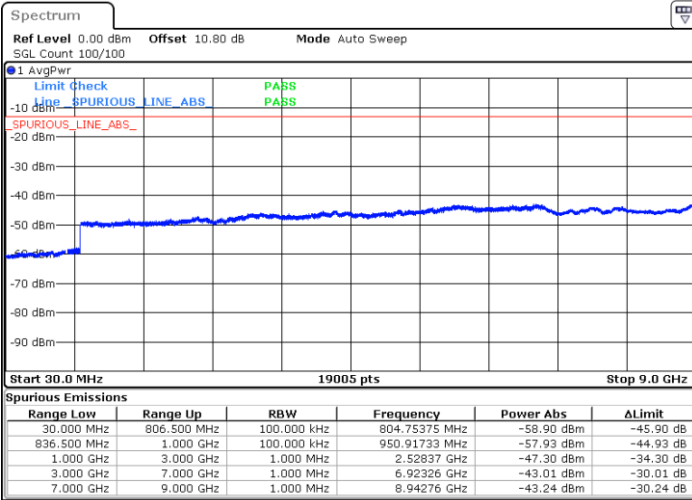




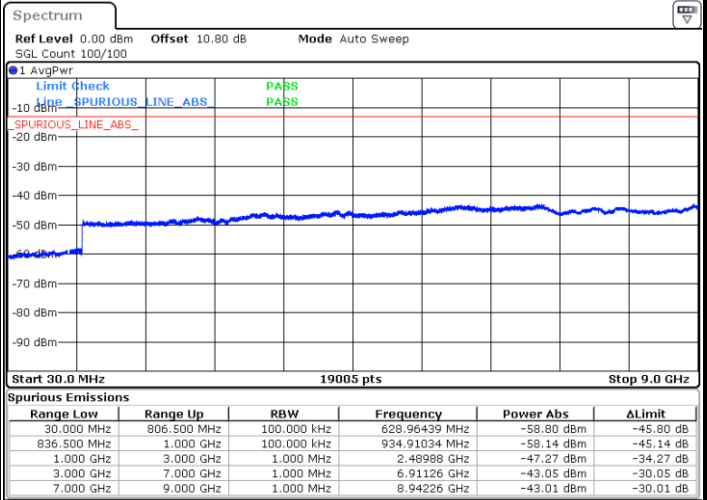
LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



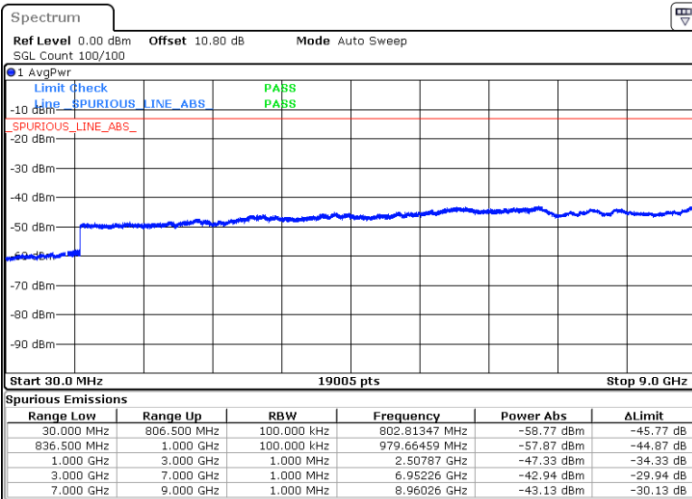
Date: 18.JUL.2020 20:47:11



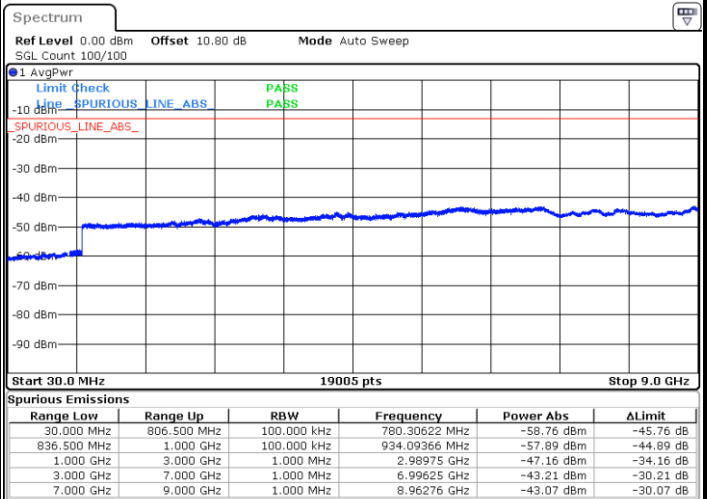
Date: 18.JUL.2020 20:47:49

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18.JUL.2020 22:05:43

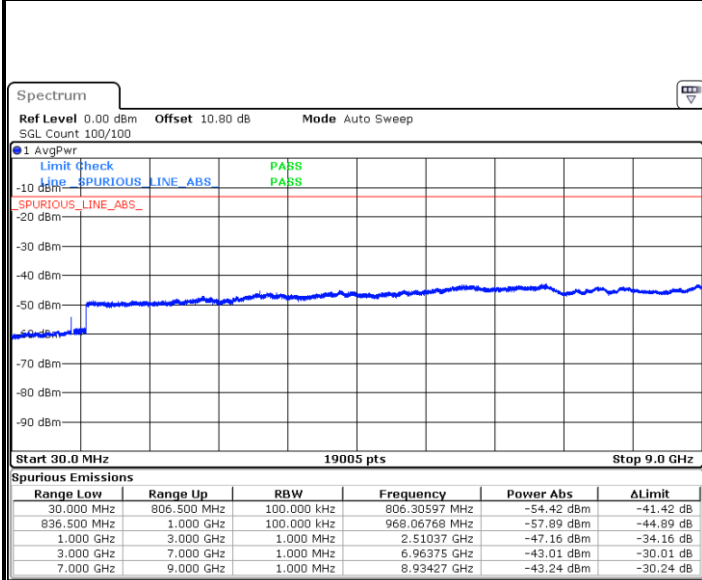


Date: 18.JUL.2020 22:07:16



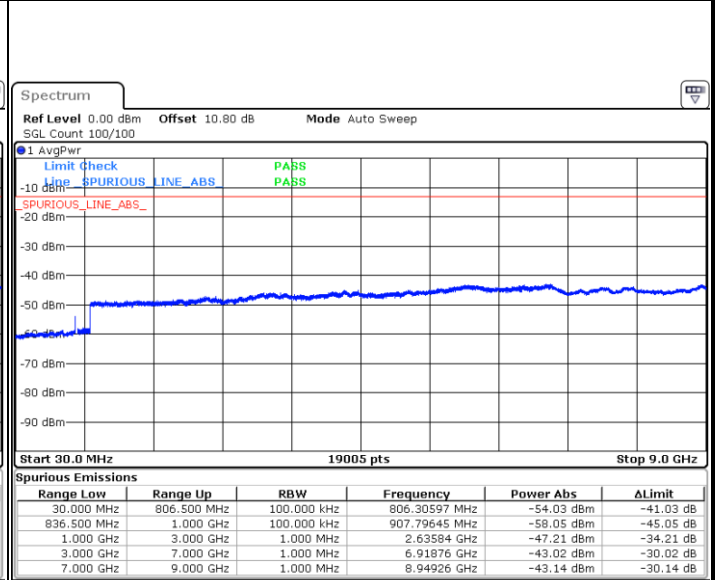
LTE Band 26 / 5MHz

Lowest Channel / QPSK



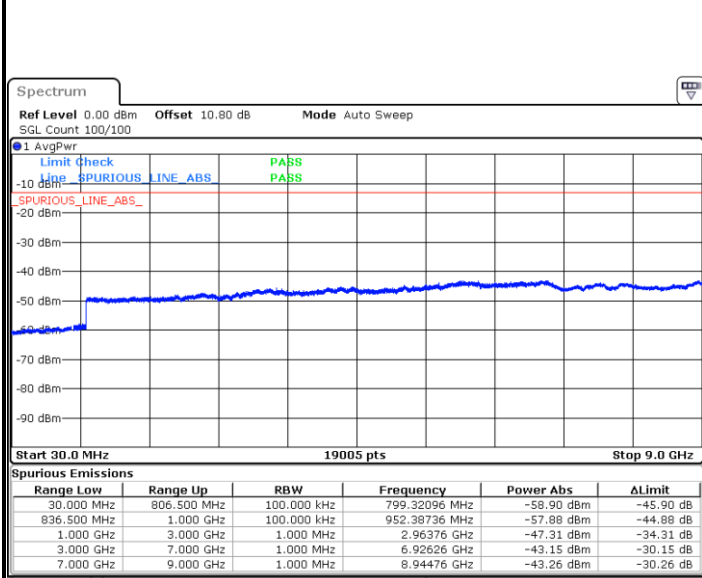
Date: 18.JUL.2020 22:11:57

Lowest Channel / 16QAM



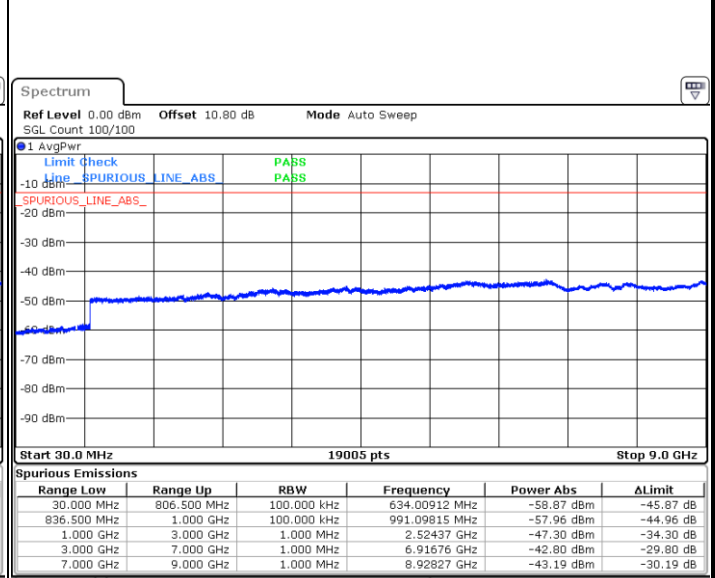
Date: 18.JUL.2020 22:12:34

Middle Channel / QPSK



Date: 18.JUL.2020 22:10:09

Middle Channel / 16QAM

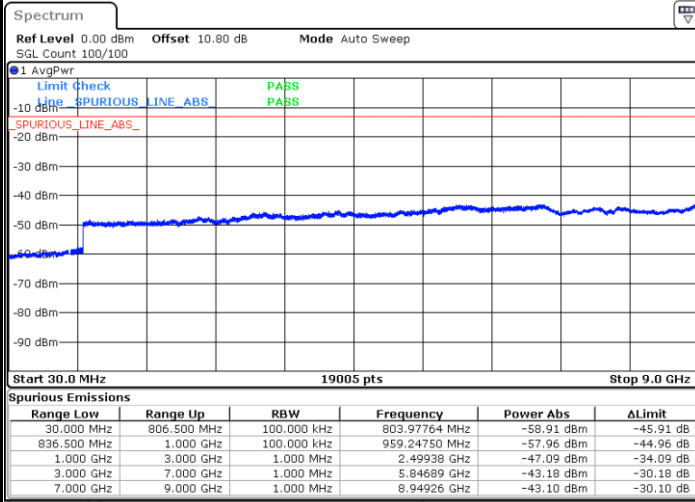


Date: 18.JUL.2020 22:14:11



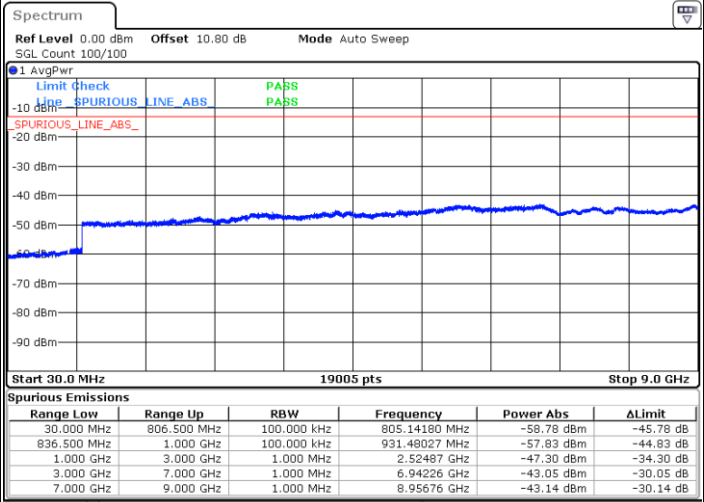
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 18.JUL.2020 22:16:13

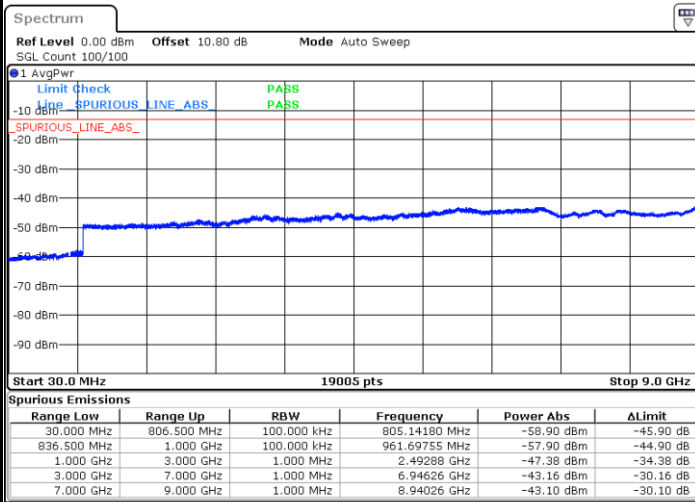
Highest Channel / 16QAM



Date: 18.JUL.2020 22:17:50

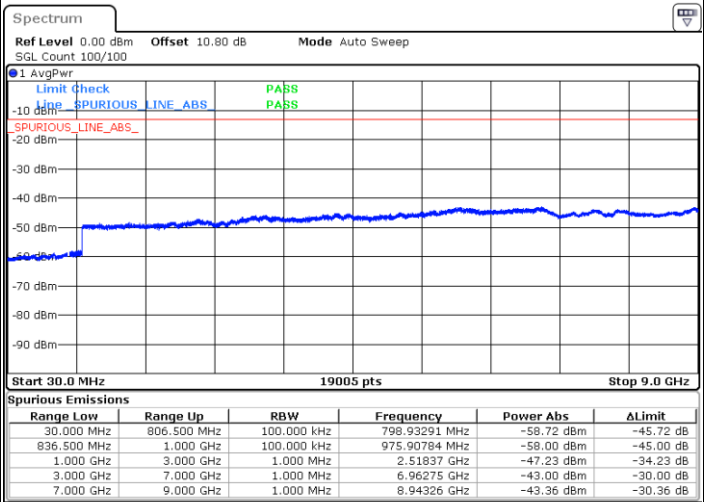
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 18.JUL.2020 22:21:34

Middle Channel / 16QAM



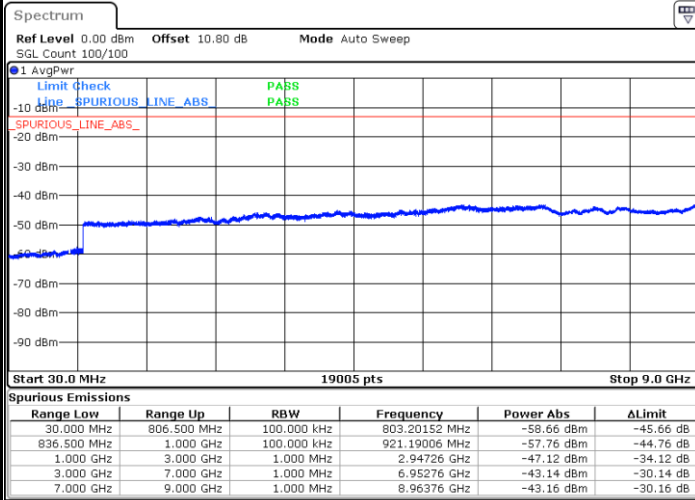
Date: 18.JUL.2020 22:22:36



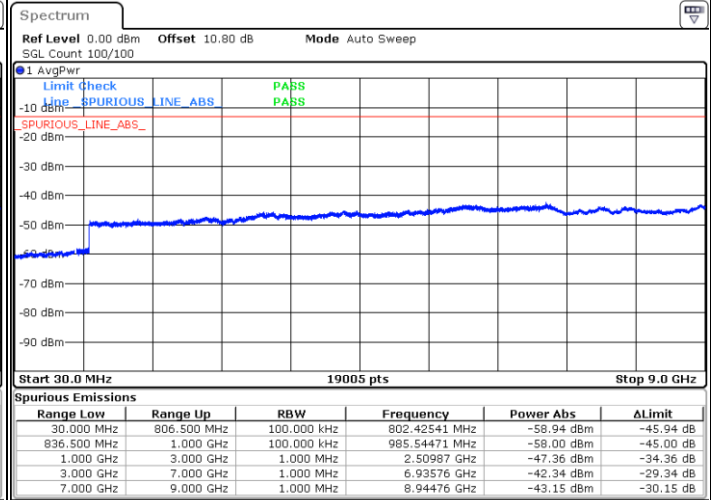
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 18.JUL.2020 22:28:25



Date: 18.JUL.2020 22:31:10



**Frequency Stability**

| Test Conditions  |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0109                              | PASS    |
| 40               | Normal Voltage    | 0.0085                              |         |
| 30               | Normal Voltage    | 0.0074                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0164                              |         |
| 0                | Normal Voltage    | 0.0013                              |         |
| -10              | Normal Voltage    | 0.0023                              |         |
| -20              | Normal Voltage    | 0.0022                              |         |
| -30              | Normal Voltage    | 0.0089                              |         |
| 20               | Maximum Voltage   | 0.0009                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0053                              |         |

**Note:**

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of ERP and Radiated Test

### ERP

| LTE Band 26 / 15MHz (Channel 26765) (GT - LC = 0.59 dB) |          |      |        |             |               |          |        |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel   | Mode     | RB   |        | Conducted   |               | ERP      |        |
|   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest  | QPSK     | 1    | 0      | 22.39       | 0.1734        | 20.83    | 0.1211 |
| Middle  |          | -    | -      | -           | -             | -        | -      |
| Highest   |          | -    | -      | -           | -             | -        | -      |
| Lowest  | 16QAM    | 3    | 3      | 22.34       | 0.1714        | 20.78    | 0.1197 |
| Middle  |          | -    | -      | -           | -             | -        | -      |
| Highest   |          | -    | -      | -           | -             | -        | -      |
| Limit   | ERP < 7W |      |        | Result      |               | PASS     |        |



**Radiated Spurious Emission**

**LTE CAT M1 Band 26**

| LTE CAT M1 Band 26 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |  |
|----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|--|
| 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) |  |
| Lowest                           | 1632              | -30.99      | -13           | -17.99            | -43.93            | -36.32             | 1.22                 | 8.70                  | H                  |  |
|                                  | 2440              | -34.95      | -13           | -21.95            | -51.85            | -41.82             | 1.43                 | 10.45                 | H                  |  |
|                                  | 3256              | -39.21      | -13           | -26.21            | -58.05            | -47.06             | 1.67                 | 11.67                 | H                  |  |
|                                  | 4072              | -38.07      | -13           | -25.07            | -58.49            | -45.91             | 2.11                 | 12.10                 | H                  |  |
|                                  | 4888              | -48.50      | -13           | -35.50            | -71.3             | -56.18             | 2.27                 | 12.10                 | H                  |  |
|                                  | 5704              | -50.52      | -13           | -37.52            | -74.43            | -58.75             | 2.11                 | 12.49                 | H                  |  |
|                                  |                   |             |               |                   |                   |                    |                      |                       |                    |  |
|                                  | 1632              | -29.83      | -13           | -16.83            | -42.63            | -35.16             | 1.22                 | 8.70                  | V                  |  |
|                                  | 2440              | -32.60      | -13           | -19.60            | -49.91            | -39.47             | 1.43                 | 10.45                 | V                  |  |
|                                  | 3256              | -38.16      | -13           | -25.16            | -57.28            | -46.01             | 1.67                 | 11.67                 | V                  |  |
|                                  | 4072              | -40.78      | -13           | -27.78            | -61.72            | -48.62             | 2.11                 | 12.10                 | V                  |  |
|                                  | 4888              | -47.88      | -13           | -34.88            | -71.3             | -55.56             | 2.27                 | 12.10                 | V                  |  |
|                                  | 5704              | -51.02      | -13           | -38.02            | -75.5             | -59.25             | 2.11                 | 12.49                 | V                  |  |
|                                  |                   |             |               |                   |                   |                    |                      |                       |                    |  |
| Middle                           | 1632              | -29.47      | -13           | -16.47            | -42.41            | -34.80             | 1.22                 | 8.70                  | H                  |  |
|                                  | 2448              | -35.11      | -13           | -22.11            | -51.99            | -41.99             | 1.43                 | 10.46                 | H                  |  |
|                                  | 3264              | -37.92      | -13           | -24.92            | -56.71            | -45.79             | 1.68                 | 11.69                 | H                  |  |
|                                  | 4088              | -41.84      | -13           | -28.84            | -62.25            | -49.69             | 2.10                 | 12.10                 | H                  |  |
|                                  | 4904              | -48.20      | -13           | -35.20            | -71.05            | -55.86             | 2.29                 | 12.10                 | H                  |  |
|                                  |                   |             |               |                   |                   |                    |                      |                       | H                  |  |
|                                  | 1632              | -31.42      | -13           | -18.42            | -44.22            | -36.75             | 1.22                 | 8.70                  | V                  |  |
|                                  | 2448              | -32.94      | -13           | -19.94            | -50.2             | -39.82             | 1.43                 | 10.46                 | V                  |  |
|                                  | 3264              | -39.62      | -13           | -26.62            | -58.71            | -47.49             | 1.68                 | 11.69                 | V                  |  |
|                                  | 4088              | -45.30      | -13           | -32.30            | -66.25            | -53.15             | 2.10                 | 12.10                 | V                  |  |
|                                  | 4904              | -46.91      | -13           | -33.91            | -70.37            | -54.57             | 2.29                 | 12.10                 | V                  |  |
|                                  |                   |             |               |                   |                   |                    |                      |                       | V                  |  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1640 | -28.00 | -13 | -15.00 | -40.96 | -33.36 | 1.22 | 8.73  | H |
|         | 2456 | -36.28 | -13 | -23.28 | -53.14 | -43.16 | 1.43 | 10.46 | H |
|         | 3280 | -39.85 | -13 | -26.85 | -58.54 | -47.75 | 1.69 | 11.74 | H |
|         | 4096 | -44.38 | -13 | -31.38 | -64.78 | -52.23 | 2.10 | 12.10 | H |
|         | 4920 | -47.36 | -13 | -34.36 | -70.25 | -55.01 | 2.30 | 12.10 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1640 | -33.67 | -13 | -20.67 | -46.5  | -39.03 | 1.22 | 8.73  | V |
|         | 2456 | -33.64 | -13 | -20.64 | -50.85 | -40.52 | 1.43 | 10.46 | V |
|         | 3280 | -40.91 | -13 | -27.91 | -59.95 | -48.81 | 1.69 | 11.74 | V |
|         | 4096 | -43.93 | -13 | -30.93 | -64.88 | -51.78 | 2.10 | 12.10 | V |
|         | 4920 | -45.48 | -13 | -32.48 | -68.99 | -53.13 | 2.30 | 12.10 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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





| LTE CAT M1 Band 26 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |   |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|---|
| 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                            | 1632              | -27.25      | -13           | -14.25            | -40.19            | -32.58             | 1.22                 | 8.70                  | H                  |   |
|                                   | 2448              | -35.06      | -13           | -22.06            | -51.94            | -41.94             | 1.43                 | 10.46                 | H                  |   |
|                                   | 3256              | -37.01      | -13           | -24.01            | -55.85            | -44.86             | 1.67                 | 11.67                 | H                  |   |
|                                   | 4072              | -40.04      | -13           | -27.04            | -60.46            | -47.88             | 2.11                 | 12.10                 | H                  |   |
|                                   | 4888              | -48.39      | -13           | -35.39            | -71.19            | -56.07             | 2.27                 | 12.10                 | H                  |   |
|                                   |                   |             |               |                   |                   |                    |                      |                       |                    | H |
|                                   |                   |             |               |                   |                   |                    |                      |                       |                    | H |
|                                   | 1632              | -33.29      | -13           | -20.29            | -46.09            | -38.62             | 1.22                 | 8.70                  | V                  |   |
|                                   | 2448              | -29.59      | -13           | -16.59            | -46.85            | -36.47             | 1.43                 | 10.46                 | V                  |   |
|                                   | 3256              | -36.40      | -13           | -23.40            | -55.52            | -44.25             | 1.67                 | 11.67                 | V                  |   |
|                                   | 4072              | -41.18      | -13           | -28.18            | -62.12            | -49.02             | 2.11                 | 12.10                 | V                  |   |
|                                   | 4888              | -46.34      | -13           | -33.34            | -69.76            | -54.02             | 2.27                 | 12.10                 | V                  |   |
|                                   |                   |             |               |                   |                   |                    |                      |                       |                    | V |
|                                   |                   |             |               |                   |                   |                    |                      |                       |                    | V |

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



| LTE CAT M1 Band 26 / 15MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest                            | 1632              | -28.47      | -13           | -15.47            | -41.41            | -33.80             | 1.22                 | 8.70                  | H                  |
|                                   | 2448              | -35.16      | -13           | -22.16            | -52.04            | -42.04             | 1.43                 | 10.46                 | H                  |
|                                   | 3264              | -36.57      | -13           | -23.57            | -55.36            | -44.44             | 1.68                 | 11.69                 | H                  |
|                                   | 4072              | -40.17      | -13           | -27.17            | -60.59            | -48.01             | 2.11                 | 12.10                 | H                  |
|                                   | 4888              | -46.43      | -13           | -33.43            | -69.03            | -54.11             | 2.27                 | 12.10                 | H                  |
|                                   |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                                   |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                                   | 1632              | -32.79      | -13           | -19.79            | -45.59            | -38.12             | 1.22                 | 8.70                  | V                  |
|                                   | 2448              | -30.93      | -13           | -17.93            | -48.19            | -37.81             | 1.43                 | 10.46                 | V                  |
|                                   | 3264              | -37.49      | -13           | -24.49            | -56.58            | -45.36             | 1.68                 | 11.69                 | V                  |
|                                   | 4072              | -40.44      | -13           | -27.44            | -61.38            | -48.28             | 2.11                 | 12.10                 | V                  |
|                                   | 4888              | -46.19      | -13           | -33.19            | -69.61            | -53.87             | 2.27                 | 12.10                 | V                  |
|                                   |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                                   |                   |             |               |                   |                   |                    |                      |                       | V                  |

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