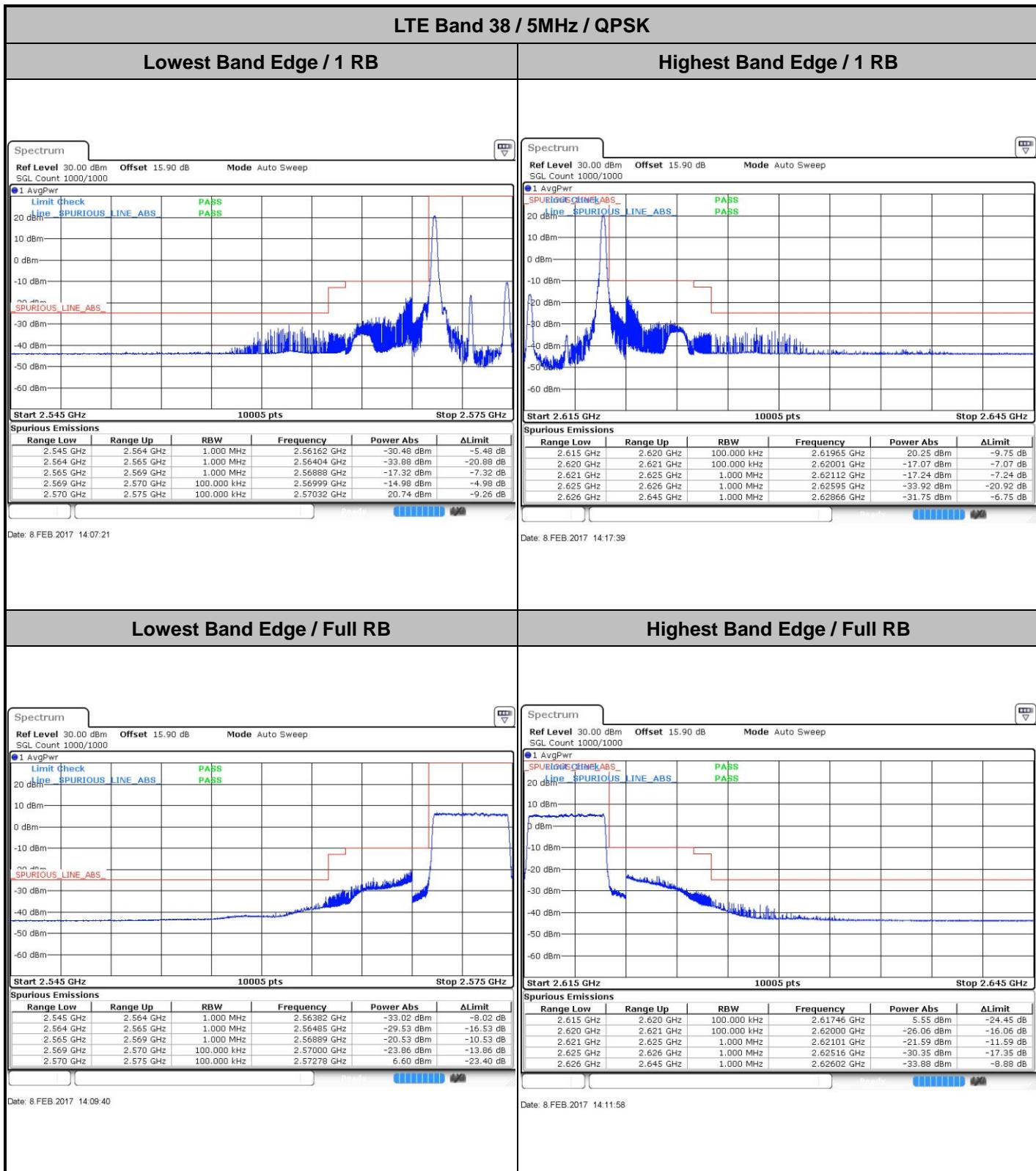




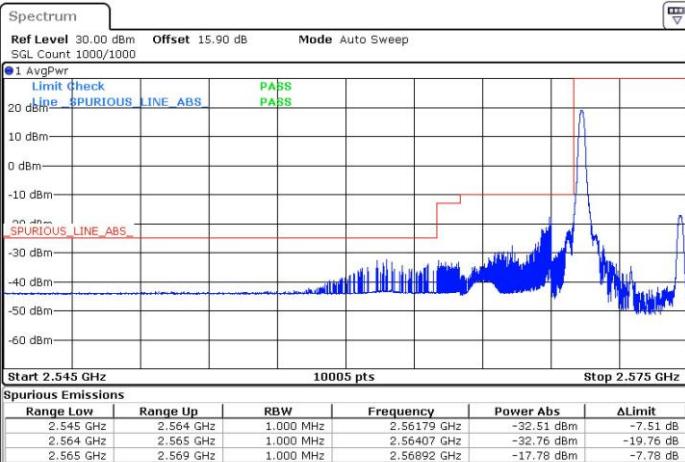
Conducted Band Edge





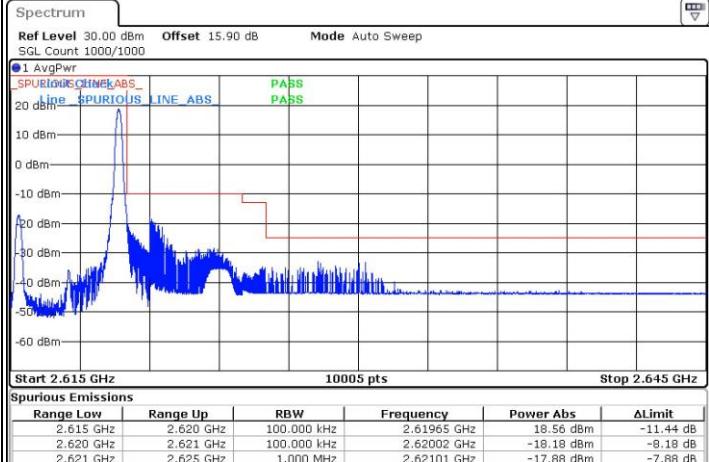
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



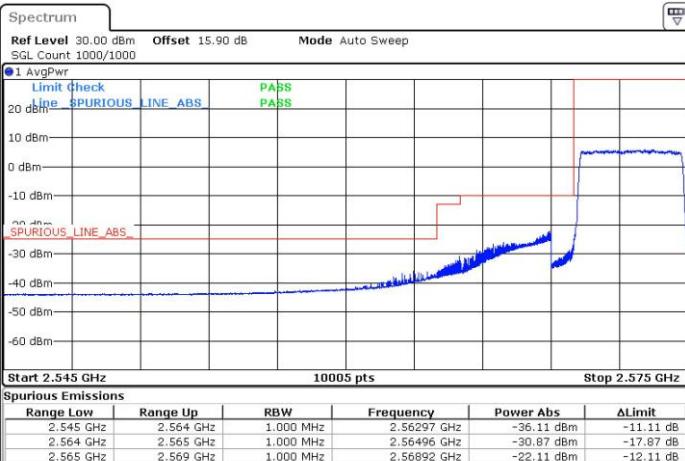
Date: 8.FEB.2017 14:08:30

Highest Band Edge / 1 RB



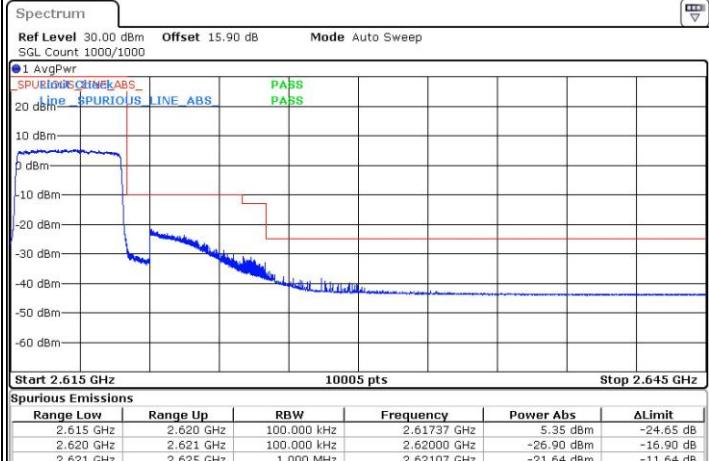
Date: 8 FEB 2017 14:18:48

Lowest Band Edge / Full RB

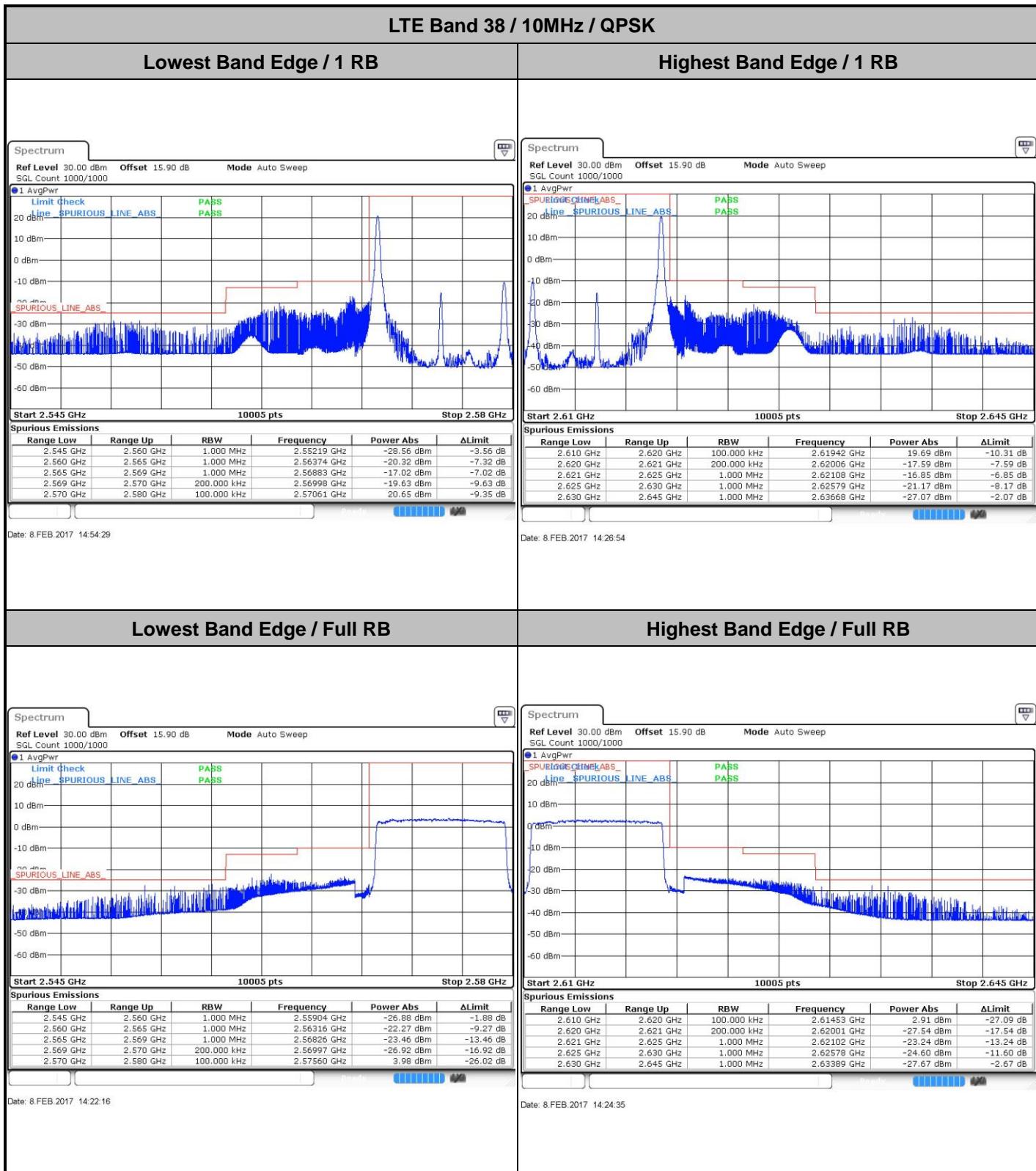


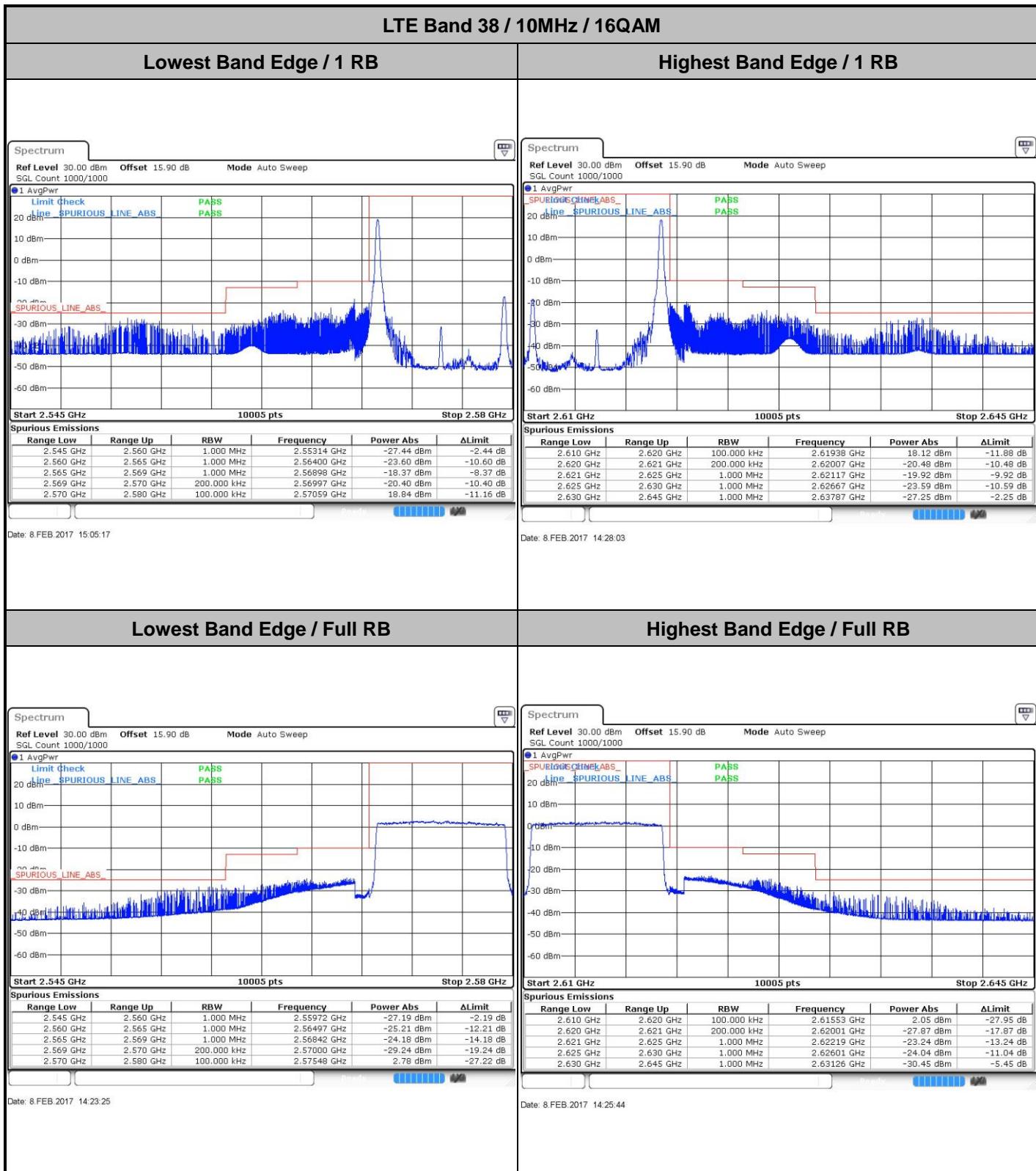
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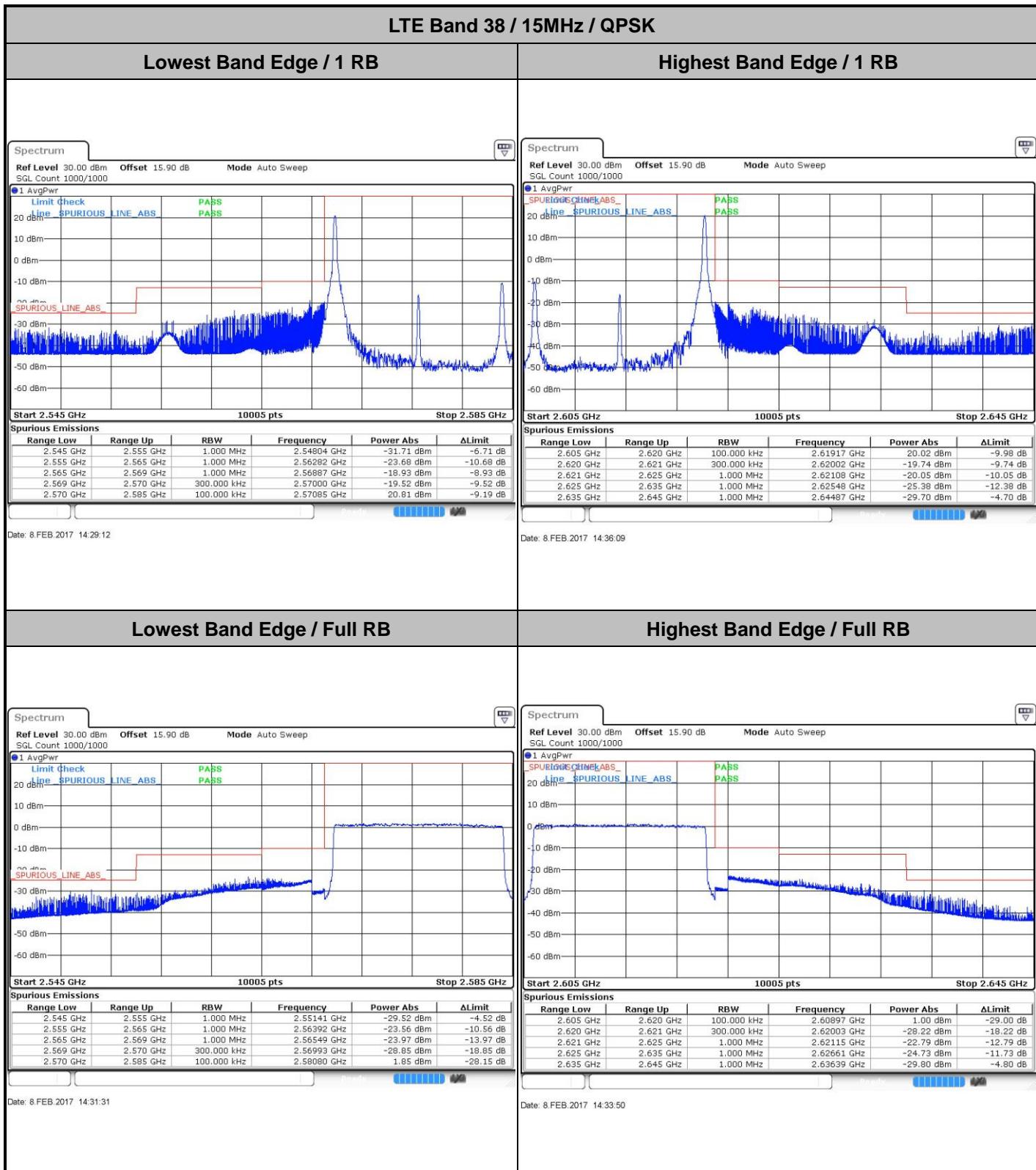
Highest Band Edge / Full RB

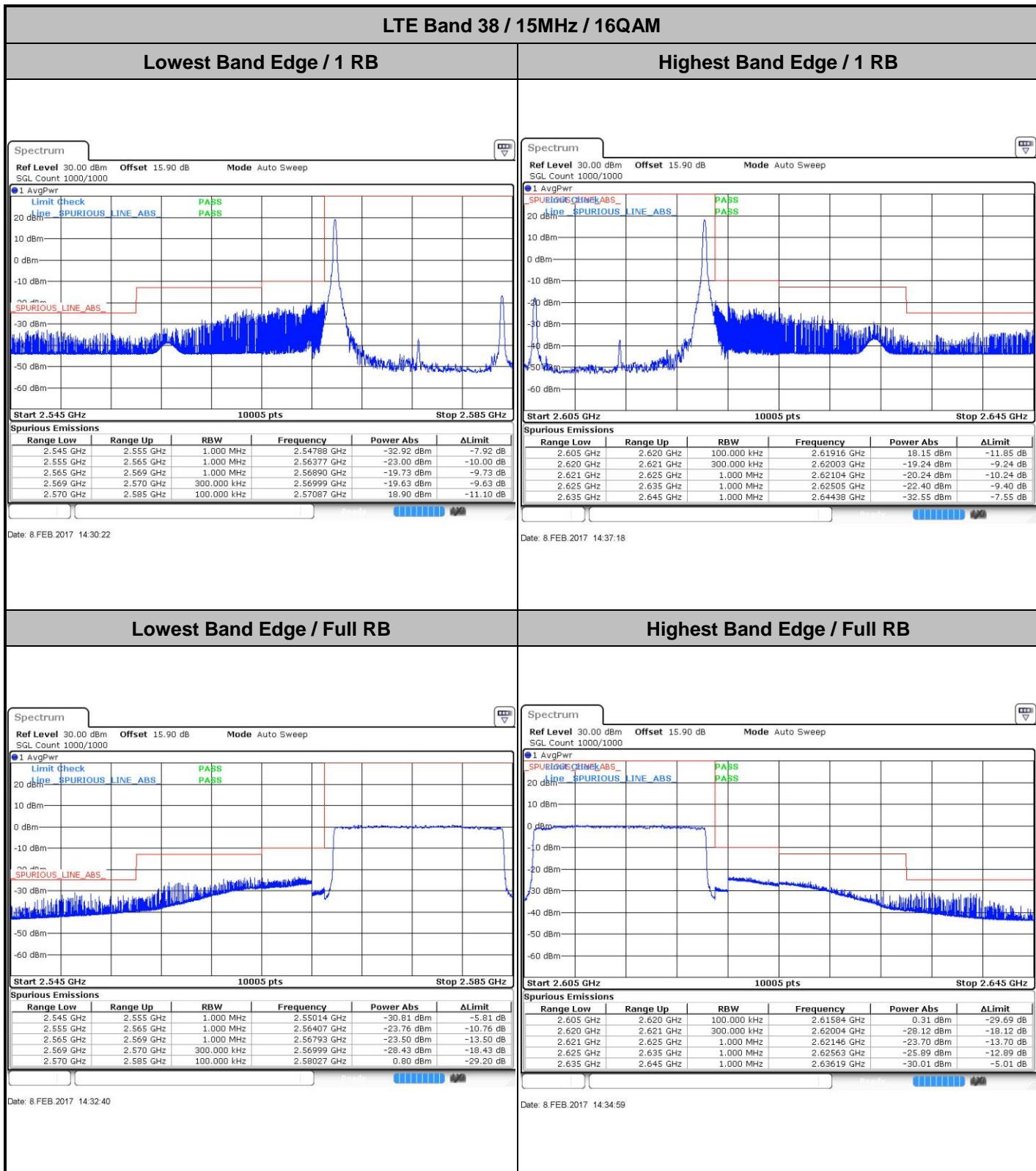


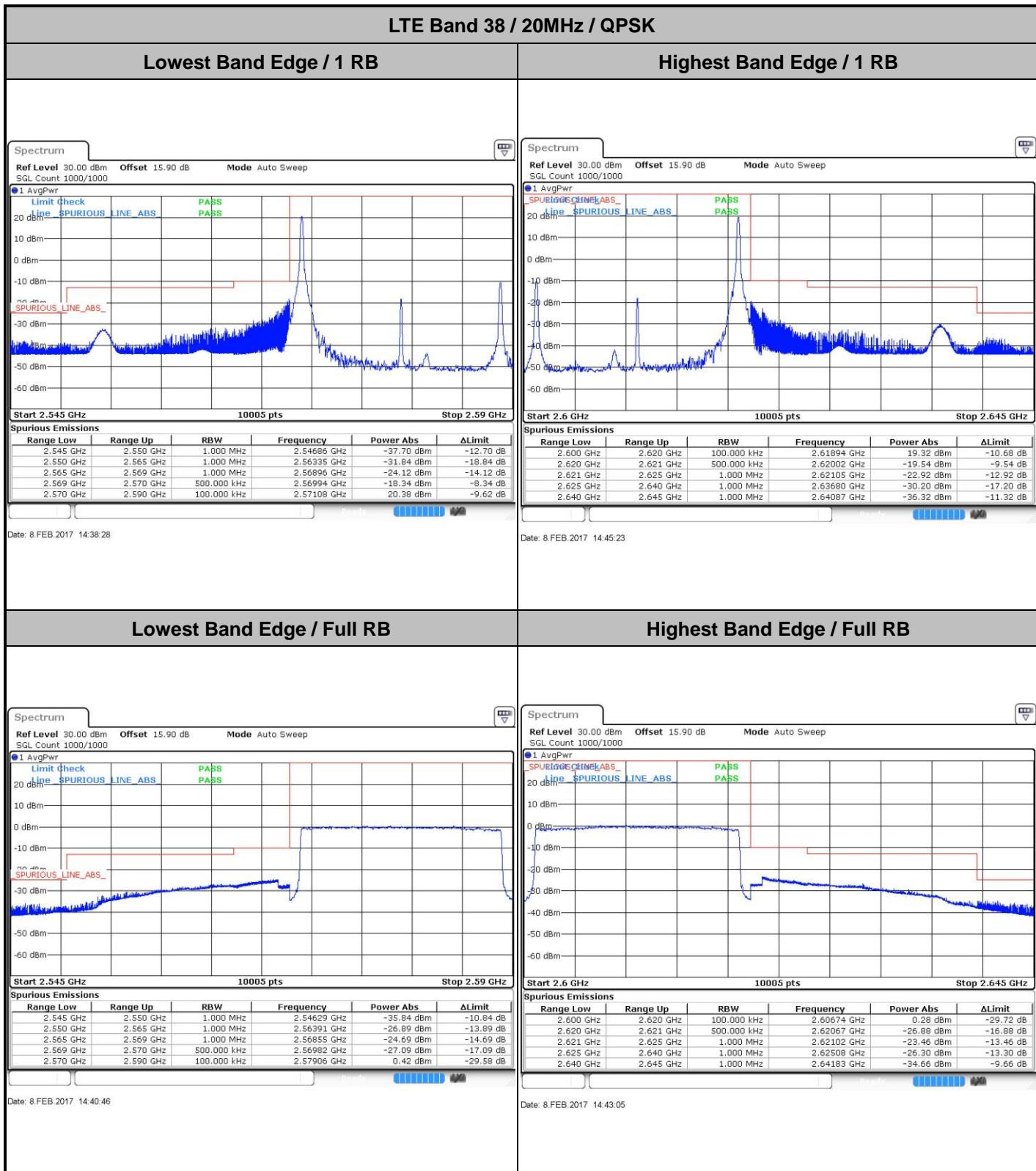
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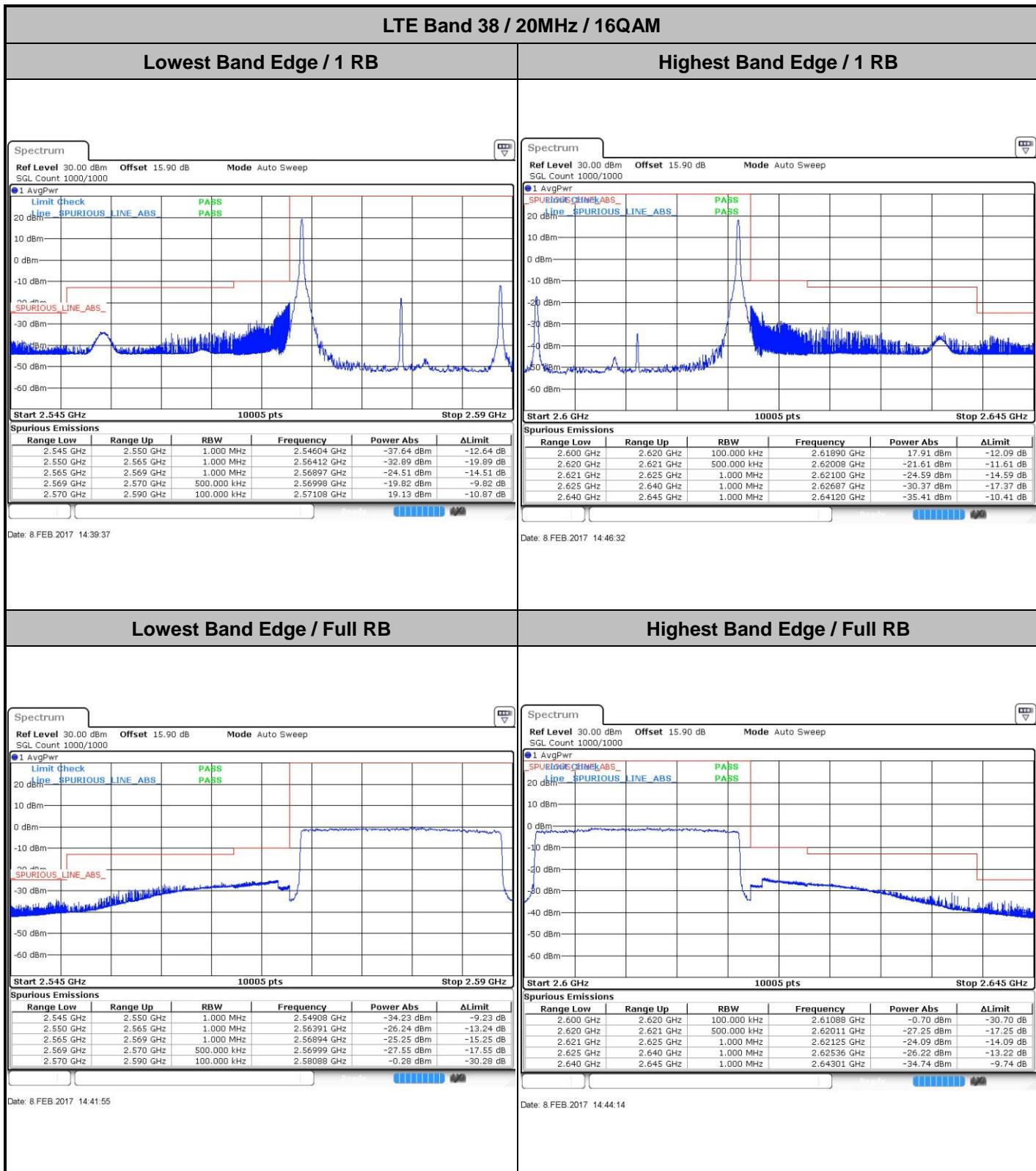














Conducted Spurious Emission

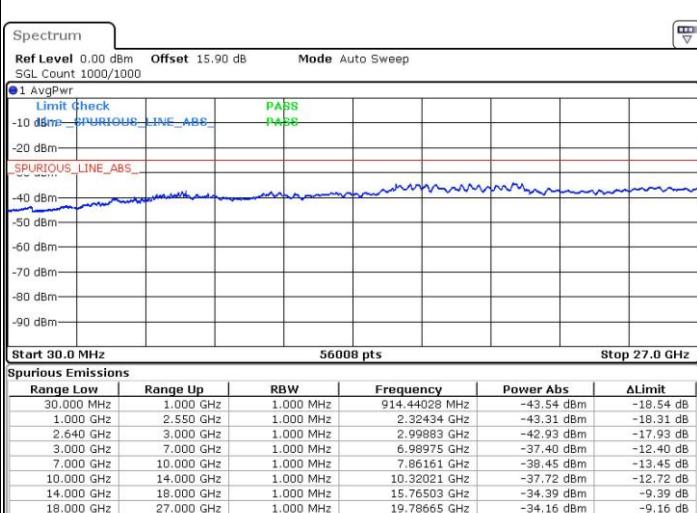
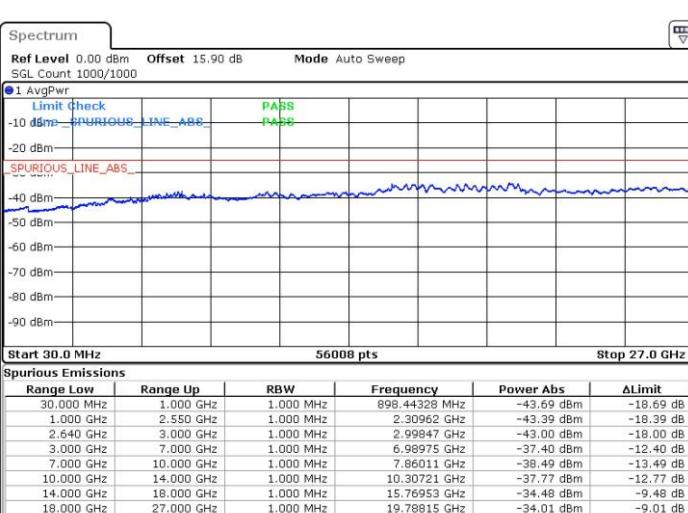




LTE Band 38 / 5MHz

Highest Channel / QPSK

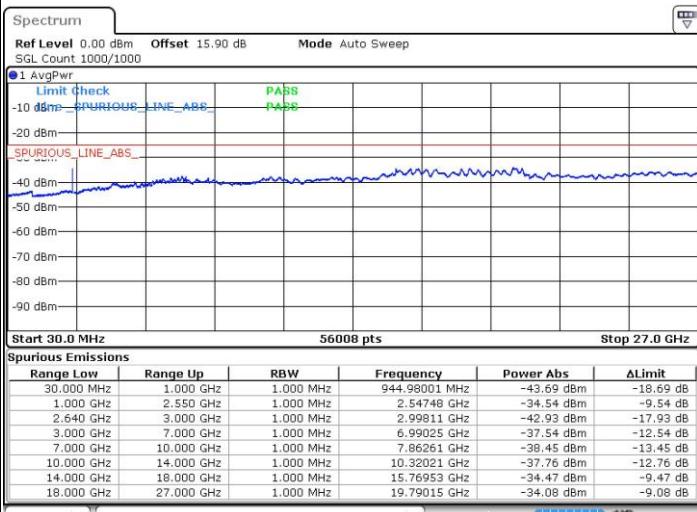
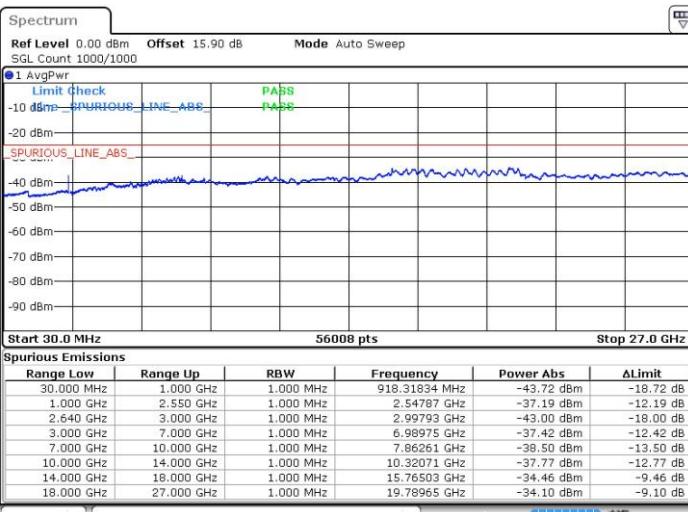
Highest Channel / 16QAM



LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 8.FEB.2017 16:15:37

Date: 8.FEB.2017 17:40:19

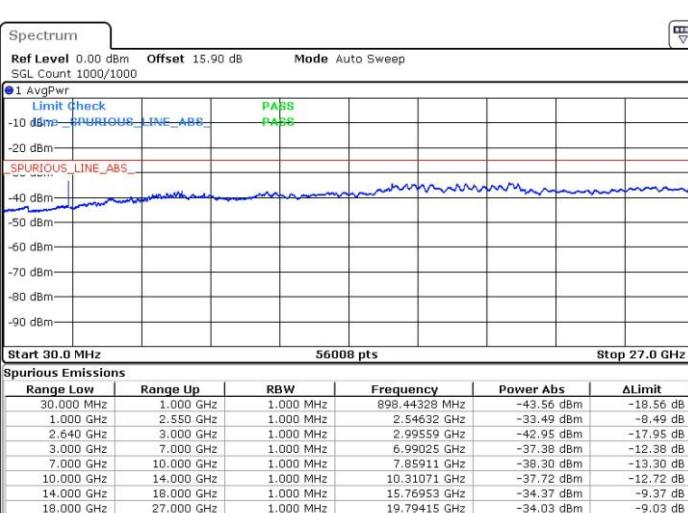




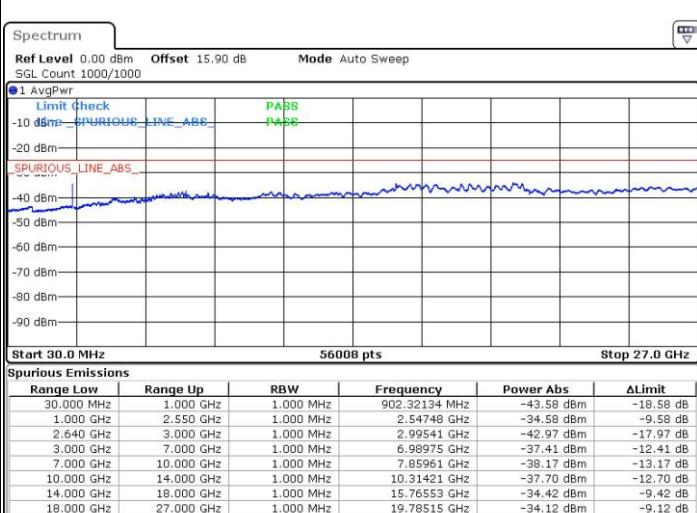
LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



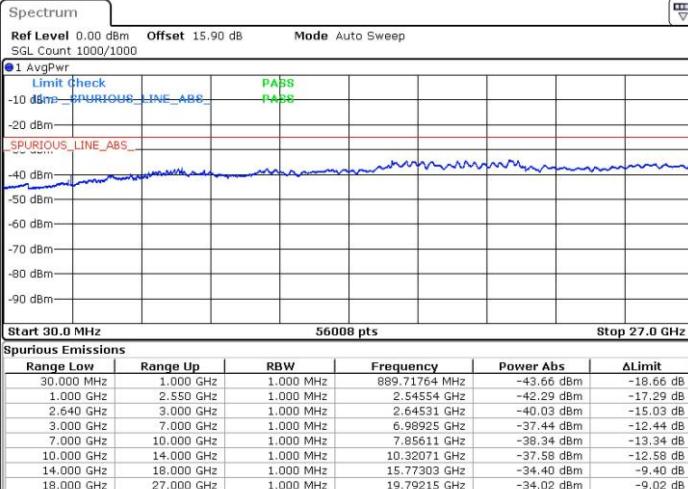
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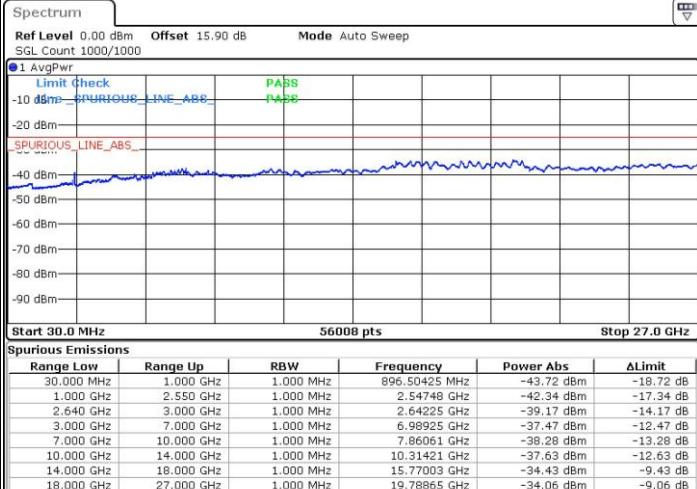
Date: 9.FEB.2017 00:01:42

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 9.FEB.2017 00:16:01



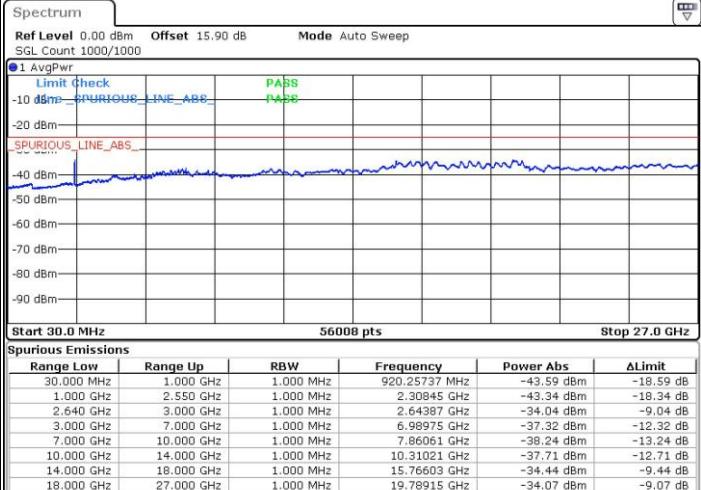
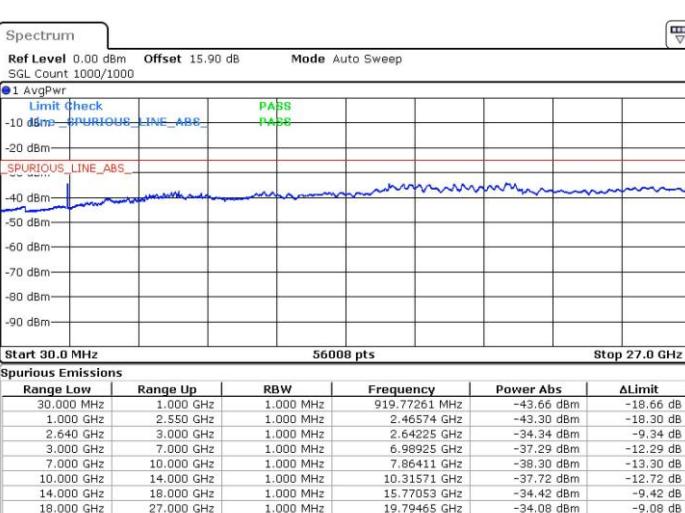
Date: 9.FEB.2017 00:09:27



LTE Band 38 / 15MHz

Highest Channel / QPSK

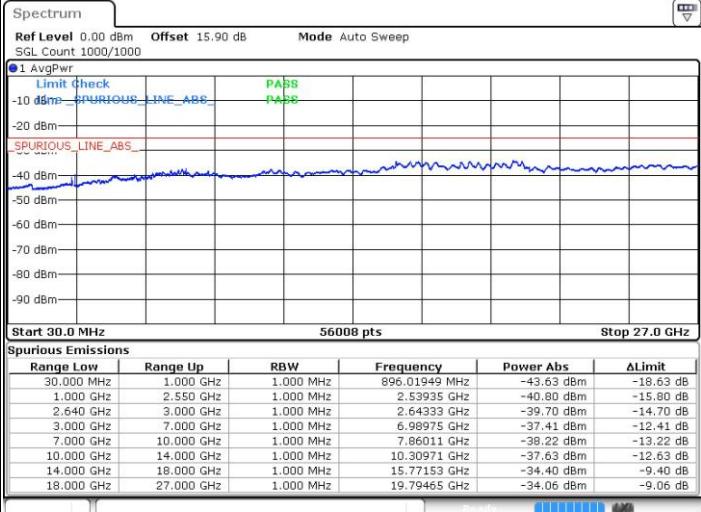
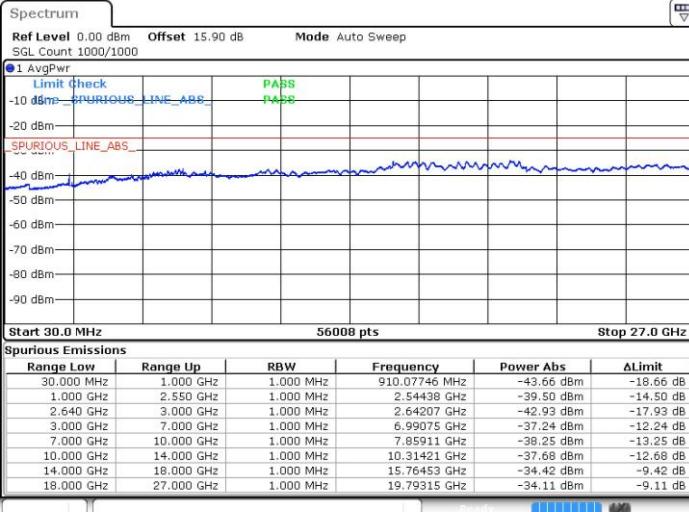
Highest Channel / 16QAM



LTE Band 38 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 9.FEB.2017 00:46:19

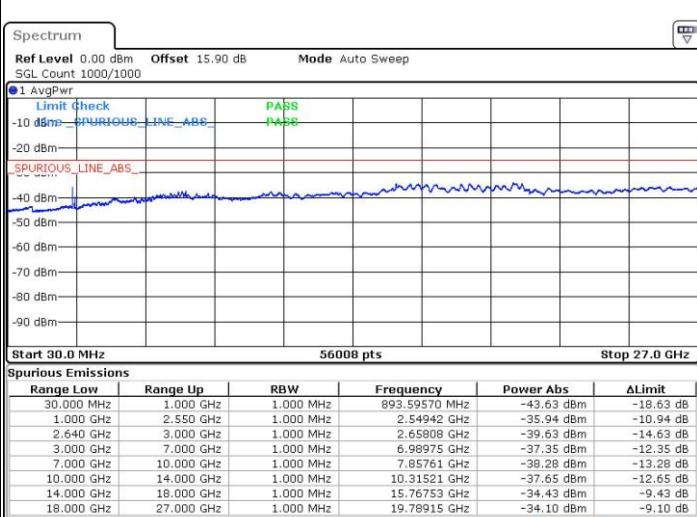
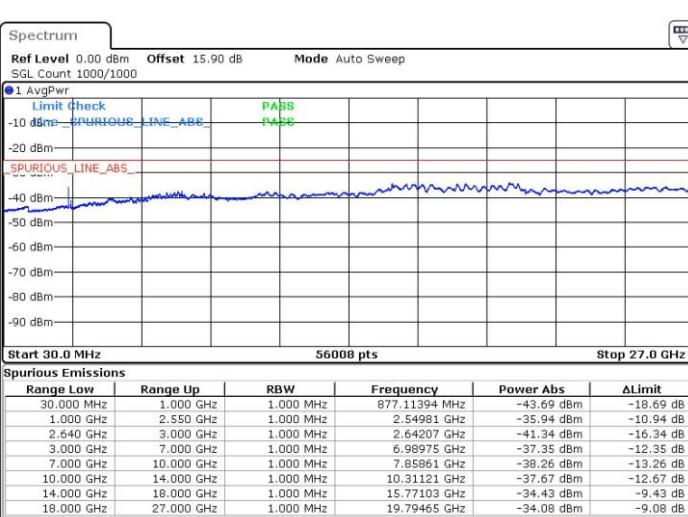
Date: 9.FEB.2017 00:40:02



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

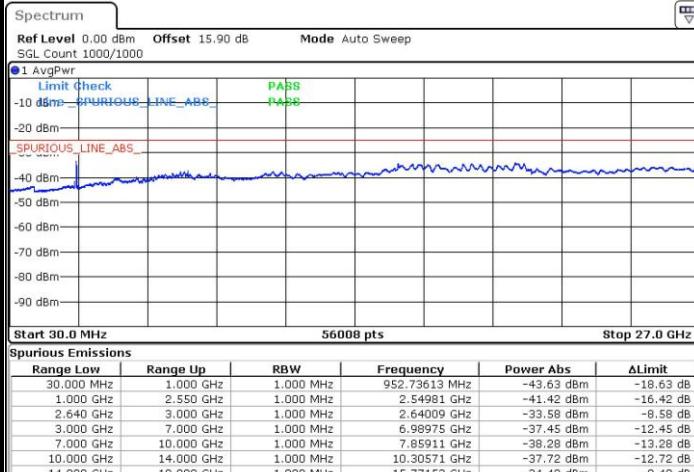


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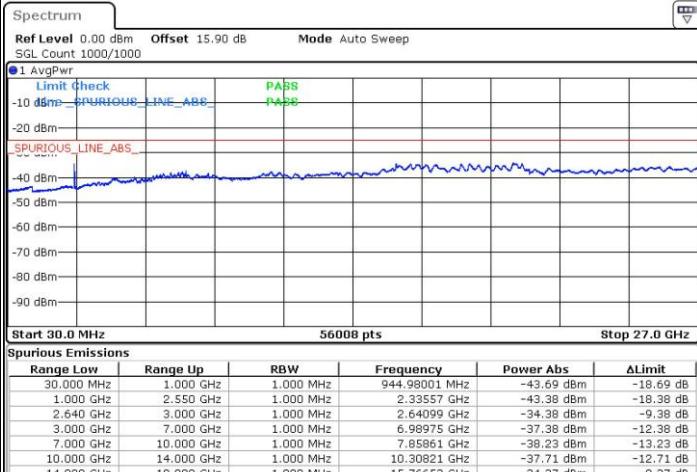
Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9.FEB.2017 01:16:14

Date: 9.FEB.2017 01:07:27





Frequency Stability

| Test Conditions | | LTE Band 38 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0035 | PASS |
| 40 | Normal Voltage | 0.0007 | |
| 30 | Normal Voltage | 0.0034 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0032 | |
| 0 | Normal Voltage | 0.0011 | |
| -10 | Normal Voltage | 0.0035 | |
| -20 | Normal Voltage | 0.0002 | |
| -30 | Normal Voltage | 0.0015 | |
| 20 | Maximum Voltage | 0.0033 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0007 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) | | | | | | | |
|-------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 0 | 18.79 | 0.0757 | 18.85 | 0.0767 |
| Middle | | 3 | 0 | 19.33 | 0.0857 | 20.27 | 0.1064 |
| Highest | | 3 | 0 | 20.01 | 0.1002 | 21.15 | 0.1303 |
| Lowest | 16QAM | 3 | 3 | 17.58 | 0.0573 | 17.85 | 0.0610 |
| Middle | | 3 | 3 | 18.26 | 0.0670 | 19.05 | 0.0804 |
| Highest | | 3 | 3 | 19.02 | 0.0798 | 20.11 | 0.1026 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 3MHz (Average) | | | | | | | |
|-----------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 8 | 18.57 | 0.0719 | 18.84 | 0.0766 |
| Middle | | 1 | 8 | 19.22 | 0.0836 | 19.85 | 0.0966 |
| Highest | | 1 | 8 | 19.73 | 0.0940 | 20.85 | 0.1216 |
| Lowest | 16QAM | 1 | 8 | 16.79 | 0.0478 | 17.17 | 0.0521 |
| Middle | | 1 | 8 | 17.73 | 0.0593 | 18.36 | 0.0685 |
| Highest | | 1 | 8 | 18.34 | 0.0682 | 19.65 | 0.0923 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 5MHz (Average) | | | | | | | |
|-----------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 18.77 | 0.0753 | 18.76 | 0.0752 |
| Middle | | 1 | 12 | 19.31 | 0.0853 | 19.90 | 0.0977 |
| Highest | | 1 | 12 | 19.69 | 0.0931 | 20.85 | 0.1216 |
| Lowest | 16QAM | 1 | 12 | 16.99 | 0.0500 | 17.24 | 0.0530 |
| Middle | | 1 | 12 | 17.96 | 0.0625 | 18.46 | 0.0701 |
| Highest | | 1 | 12 | 19.24 | 0.0839 | 20.08 | 0.1019 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 2 / 10MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 18.64 | 0.0731 | 18.92 | 0.0780 |
| Middle | | 1 | 25 | 19.31 | 0.0853 | 19.87 | 0.0971 |
| Highest | | 1 | 25 | 20.00 | 0.1000 | 20.76 | 0.1191 |
| Lowest | 16QAM | 1 | 25 | 17.13 | 0.0516 | 17.25 | 0.0531 |
| Middle | | 1 | 25 | 17.71 | 0.0590 | 18.36 | 0.0685 |
| Highest | | 1 | 25 | 18.42 | 0.0695 | 19.51 | 0.0893 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 15MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 18.81 | 0.0760 | 19.07 | 0.0807 |
| Middle | | 1 | 37 | 19.52 | 0.0895 | 19.93 | 0.0984 |
| Highest | | 1 | 37 | 19.97 | 0.0993 | 20.95 | 0.1245 |
| Lowest | 16QAM | 1 | 37 | 17.35 | 0.0543 | 17.70 | 0.0589 |
| Middle | | 1 | 37 | 18.14 | 0.0652 | 18.73 | 0.0746 |
| Highest | | 1 | 37 | 19.04 | 0.0802 | 20.10 | 0.1023 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 20MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 49 | 18.59 | 0.0723 | 19.08 | 0.0809 |
| Middle | | 1 | 49 | 19.35 | 0.0861 | 19.87 | 0.0971 |
| Highest | | 1 | 49 | 19.86 | 0.0968 | 20.73 | 0.1183 |
| Lowest | 16QAM | 1 | 0 | 17.16 | 0.0520 | 17.26 | 0.0532 |
| Middle | | 1 | 0 | 17.62 | 0.0578 | 18.09 | 0.0644 |
| Highest | | 1 | 0 | 18.28 | 0.0673 | 19.22 | 0.0836 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 4 / 1.4MHz (Average) | | | | | | | |
|-------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 1 | 19.83 | 0.0962 | 24.12 | 0.2582 |
| Middle | | 3 | 1 | 20.00 | 0.1000 | 23.90 | 0.2455 |
| Highest | | 3 | 1 | 19.54 | 0.0899 | 23.20 | 0.2089 |
| Lowest | 16QAM | 3 | 1 | 18.72 | 0.0745 | 23.19 | 0.2084 |
| Middle | | 3 | 1 | 18.83 | 0.0764 | 22.83 | 0.1919 |
| Highest | | 3 | 1 | 18.61 | 0.0726 | 22.32 | 0.1706 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 3MHz (Average) | | | | | | | |
|-----------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 8 | 19.51 | 0.0893 | 23.87 | 0.2438 |
| Middle | | 1 | 8 | 19.71 | 0.0935 | 23.46 | 0.2218 |
| Highest | | 1 | 8 | 19.30 | 0.0851 | 22.91 | 0.1954 |
| Lowest | 16QAM | 1 | 8 | 17.51 | 0.0564 | 21.98 | 0.1578 |
| Middle | | 1 | 8 | 18.10 | 0.0646 | 22.08 | 0.1614 |
| Highest | | 1 | 8 | 17.96 | 0.0625 | 21.69 | 0.1476 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 5MHz (Average) | | | | | | | |
|-----------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 19.75 | 0.0944 | 24.08 | 0.2559 |
| Middle | | 1 | 12 | 19.72 | 0.0938 | 23.58 | 0.2280 |
| Highest | | 1 | 12 | 19.70 | 0.0933 | 23.34 | 0.2158 |
| Lowest | 16QAM | 1 | 12 | 18.15 | 0.0653 | 22.51 | 0.1782 |
| Middle | | 1 | 12 | 18.80 | 0.0759 | 22.82 | 0.1914 |
| Highest | | 1 | 12 | 18.36 | 0.0685 | 22.10 | 0.1622 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 4 / 10MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 19.37 | 0.0865 | 23.50 | 0.2239 |
| Middle | | 1 | 25 | 19.71 | 0.0935 | 23.49 | 0.2234 |
| Highest | | 1 | 25 | 19.75 | 0.0944 | 23.18 | 0.2080 |
| Lowest | 16QAM | 1 | 25 | 18.41 | 0.0693 | 22.74 | 0.1879 |
| Middle | | 1 | 25 | 18.17 | 0.0656 | 22.29 | 0.1694 |
| Highest | | 1 | 25 | 18.06 | 0.0640 | 21.97 | 0.1574 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 15MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 19.49 | 0.0889 | 23.49 | 0.2234 |
| Middle | | 1 | 37 | 19.92 | 0.0982 | 23.76 | 0.2377 |
| Highest | | 1 | 37 | 19.79 | 0.0953 | 23.37 | 0.2173 |
| Lowest | 16QAM | 1 | 37 | 18.49 | 0.0706 | 22.80 | 0.1905 |
| Middle | | 1 | 37 | 18.86 | 0.0769 | 22.79 | 0.1901 |
| Highest | | 1 | 37 | 18.60 | 0.0724 | 22.50 | 0.1778 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 20MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 19.65 | 0.0923 | 24.00 | 0.2512 |
| Middle | | 1 | 0 | 19.68 | 0.0929 | 23.81 | 0.2404 |
| Highest | | 1 | 0 | 20.10 | 0.1023 | 23.87 | 0.2438 |
| Lowest | 16QAM | 1 | 0 | 18.19 | 0.0659 | 22.53 | 0.1791 |
| Middle | | 1 | 0 | 18.12 | 0.0649 | 22.27 | 0.1687 |
| Highest | | 1 | 0 | 18.31 | 0.0678 | 22.44 | 0.1754 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 7 / 5MHz (Average) | | | | | | | |
|-----------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 15.72 | 0.0373 | 18.56 | 0.0718 |
| Middle | | 1 | 12 | 14.89 | 0.0308 | 17.40 | 0.0550 |
| Highest | | 1 | 12 | 14.46 | 0.0279 | 16.67 | 0.0465 |
| Lowest | 16QAM | 1 | 0 | 13.85 | 0.0243 | 16.83 | 0.0482 |
| Middle | | 1 | 0 | 12.87 | 0.0194 | 15.56 | 0.0360 |
| Highest | | 1 | 0 | 12.54 | 0.0179 | 14.84 | 0.0305 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 7 / 10MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 14.98 | 0.0315 | 18.03 | 0.0635 |
| Middle | | 1 | 25 | 14.56 | 0.0286 | 17.02 | 0.0504 |
| Highest | | 1 | 25 | 14.37 | 0.0274 | 16.36 | 0.0433 |
| Lowest | 16QAM | 1 | 25 | 14.27 | 0.0267 | 17.23 | 0.0528 |
| Middle | | 1 | 25 | 13.51 | 0.0224 | 16.01 | 0.0399 |
| Highest | | 1 | 25 | 12.74 | 0.0188 | 15.02 | 0.0318 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 7 / 15MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 15.51 | 0.0356 | 18.47 | 0.0703 |
| Middle | | 1 | 37 | 14.80 | 0.0302 | 17.59 | 0.0574 |
| Highest | | 1 | 37 | 14.41 | 0.0276 | 17.13 | 0.0516 |
| Lowest | 16QAM | 1 | 74 | 13.31 | 0.0214 | 16.31 | 0.0428 |
| Middle | | 1 | 74 | 13.10 | 0.0204 | 15.48 | 0.0353 |
| Highest | | 1 | 74 | 12.72 | 0.0187 | 15.01 | 0.0317 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 7 / 20MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 14.87 | 0.0307 | 17.95 | 0.0624 |
| Middle | | 1 | 0 | 14.62 | 0.0290 | 17.12 | 0.0515 |
| Highest | | 1 | 0 | 14.55 | 0.0285 | 16.74 | 0.0472 |
| Lowest | 16QAM | 1 | 49 | 13.81 | 0.0240 | 16.75 | 0.0473 |
| Middle | | 1 | 49 | 13.57 | 0.0228 | 15.78 | 0.0378 |
| Highest | | 1 | 49 | 12.78 | 0.0190 | 15.02 | 0.0318 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 12 / 1.4MHz (Average) | | | | | | | |
|--------------------------------|----------|------|--------|------------|--------|----------|--------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 3 | 1 | 4.58 | 0.0029 | 16.00 | 0.0398 |
| Middle | | 3 | 1 | 5.70 | 0.0037 | 16.82 | 0.0481 |
| Highest | | 3 | 1 | 6.13 | 0.0041 | 16.51 | 0.0448 |
| Lowest | 16QAM | 1 | 3 | 3.17 | 0.0021 | 13.90 | 0.0245 |
| Middle | | 1 | 3 | 4.53 | 0.0028 | 14.46 | 0.0279 |
| Highest | | 1 | 3 | 4.92 | 0.0031 | 14.72 | 0.0296 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 3MHz (Average) | | | | | | | |
|------------------------------|----------|------|--------|------------|--------|----------|--------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 14 | 4.52 | 0.0028 | 16.01 | 0.0399 |
| Middle | | 1 | 14 | 5.45 | 0.0035 | 16.41 | 0.0438 |
| Highest | | 1 | 14 | 5.78 | 0.0038 | 16.28 | 0.0425 |
| Lowest | 16QAM | 1 | 8 | 3.33 | 0.0022 | 14.06 | 0.0255 |
| Middle | | 1 | 8 | 4.49 | 0.0028 | 14.61 | 0.0289 |
| Highest | | 1 | 8 | 4.79 | 0.0030 | 14.58 | 0.0287 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 5MHz (Average) | | | | | | | |
|------------------------------|----------|------|--------|------------|--------|----------|--------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 4.80 | 0.0030 | 16.26 | 0.0423 |
| Middle | | 1 | 12 | 5.87 | 0.0039 | 16.69 | 0.0467 |
| Highest | | 1 | 12 | 6.04 | 0.0040 | 16.39 | 0.0436 |
| Lowest | 16QAM | 1 | 12 | 4.32 | 0.0027 | 14.95 | 0.0313 |
| Middle | | 1 | 12 | 4.91 | 0.0031 | 14.98 | 0.0315 |
| Highest | | 1 | 12 | 5.07 | 0.0032 | 14.89 | 0.0308 |
| Limit | ERP < 3W | | | Result | | PASS | |



| LTE Band 12 / 10MHz (Average) | | | | | | | |
|-------------------------------|----------|------|--------|------------|--------|----------|--------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 25 | 4.97 | 0.0031 | 16.23 | 0.0420 |
| Middle | | 1 | 25 | 5.54 | 0.0036 | 16.34 | 0.0431 |
| Highest | | 1 | 25 | 6.09 | 0.0041 | 16.99 | 0.0500 |
| Lowest | 16QAM | 1 | 0 | 3.33 | 0.0022 | 14.86 | 0.0306 |
| Middle | | 1 | 0 | 4.25 | 0.0027 | 14.78 | 0.0301 |
| Highest | | 1 | 0 | 4.74 | 0.0030 | 15.04 | 0.0319 |
| Limit | ERP < 3W | | | Result | | PASS | |



| LTE Band 17 / 5MHz (Average) | | | | | | | |
|------------------------------|----------|------|--------|------------|--------|----------|--------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 5.32 | 0.0034 | 16.40 | 0.0437 |
| Middle | | 1 | 12 | 5.91 | 0.0039 | 16.81 | 0.0480 |
| Highest | | 1 | 12 | 6.19 | 0.0042 | 16.83 | 0.0482 |
| Lowest | 16QAM | 1 | 12 | 4.63 | 0.0029 | 14.85 | 0.0305 |
| Middle | | 1 | 12 | 4.95 | 0.0031 | 15.23 | 0.0333 |
| Highest | | 1 | 12 | 4.99 | 0.0032 | 15.15 | 0.0327 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 17 / 10MHz (Average) | | | | | | | |
|-------------------------------|----------|------|--------|------------|--------|----------|--------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | ERP(dBm) | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 25 | 5.85 | 0.0038 | 16.78 | 0.0476 |
| Middle | | 1 | 25 | 5.76 | 0.0038 | 16.64 | 0.0461 |
| Highest | | 1 | 25 | 6.05 | 0.0040 | 16.84 | 0.0483 |
| Lowest | 16QAM | 1 | 25 | 4.80 | 0.0030 | 15.40 | 0.0347 |
| Middle | | 1 | 25 | 4.93 | 0.0031 | 15.31 | 0.0340 |
| Highest | | 1 | 25 | 4.94 | 0.0031 | 15.30 | 0.0339 |
| Limit | ERP < 3W | | | Result | | PASS | |



| LTE Band 38 / 5MHz (Average) | | | | | | | |
|------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 14.99 | 0.0316 | 16.67 | 0.0465 |
| Middle | | 1 | 12 | 14.12 | 0.0258 | 15.76 | 0.0377 |
| Highest | | 1 | 12 | 14.20 | 0.0263 | 15.54 | 0.0358 |
| Lowest | 16QAM | 1 | 24 | 13.71 | 0.0235 | 15.41 | 0.0348 |
| Middle | | 1 | 24 | 13.01 | 0.0200 | 14.68 | 0.0294 |
| Highest | | 1 | 24 | 13.87 | 0.0244 | 14.69 | 0.0294 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 38 / 10MHz (Average) | | | | | | | |
|-------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 14.46 | 0.0279 | 16.15 | 0.0412 |
| Middle | | 1 | 25 | 13.84 | 0.0242 | 15.63 | 0.0366 |
| Highest | | 1 | 25 | 14.28 | 0.0268 | 15.63 | 0.0366 |
| Lowest | 16QAM | 1 | 25 | 13.18 | 0.0208 | 14.89 | 0.0308 |
| Middle | | 1 | 25 | 12.74 | 0.0188 | 14.48 | 0.0281 |
| Highest | | 1 | 25 | 13.21 | 0.0209 | 14.45 | 0.0279 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 38 / 15MHz (Average) | | | | | | | |
|-------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 14.31 | 0.0270 | 16.14 | 0.0411 |
| Middle | | 1 | 37 | 13.99 | 0.0251 | 15.78 | 0.0378 |
| Highest | | 1 | 37 | 14.22 | 0.0264 | 15.86 | 0.0385 |
| Lowest | 16QAM | 1 | 37 | 13.14 | 0.0206 | 14.99 | 0.0316 |
| Middle | | 1 | 37 | 13.09 | 0.0204 | 14.90 | 0.0309 |
| Highest | | 1 | 37 | 13.15 | 0.0207 | 14.41 | 0.0276 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 38 / 20MHz (Average) | | | | | | | |
|-------------------------------|-----------|------|--------|------------|---------|-----------|---------|
| Channel | Mode | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 14.63 | 0.0290 | 16.50 | 0.0447 |
| Middle | | 1 | 0 | 13.92 | 0.0247 | 15.88 | 0.0387 |
| Highest | | 1 | 0 | 13.87 | 0.0244 | 15.82 | 0.0382 |
| Lowest | 16QAM | 1 | 49 | 12.87 | 0.0194 | 15.05 | 0.0320 |
| Middle | | 1 | 49 | 12.62 | 0.0183 | 14.45 | 0.0279 |
| Highest | | 1 | 49 | 12.69 | 0.0186 | 14.18 | 0.0262 |
| Limit | EIRP < 2W | | | Result | | PASS | |

**Radiated Spurious Emission****LTE Band 2**

| LTE Band 2 / 1.4MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3819 | -57.92 | -13 | -44.92 | -72.7 | -64.6 | 1.70 | 8.38 | H |
| | 5730 | -59.54 | -13 | -46.54 | -79.69 | -66.57 | 2.76 | 9.79 | H |
| | 7641 | -54.75 | -13 | -41.75 | -79.45 | -64.25 | 2.38 | 11.88 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3819 | -60.92 | -13 | -47.92 | -75.05 | -67.6 | 1.70 | 8.38 | V |
| | 5730 | -60.16 | -13 | -47.16 | -79.14 | -67.19 | 2.76 | 9.79 | V |
| | 7641 | -55.26 | -13 | -42.26 | -79.26 | -64.76 | 2.38 | 11.88 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 2 / 3MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3812 | -60.48 | -13 | -47.48 | -75.21 | -67.15 | 1.70 | 8.37 | H |
| | 5716 | -59.60 | -13 | -46.60 | -79.68 | -66.64 | 2.75 | 9.79 | H |
| | 7627 | -54.96 | -13 | -41.96 | -79.65 | -64.45 | 2.39 | 11.88 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3812 | -62.52 | -13 | -49.52 | -76.57 | -69.19 | 1.70 | 8.37 | V |
| | 5716 | -60.90 | -13 | -47.90 | -79.75 | -67.94 | 2.75 | 9.79 | V |
| | 7627 | -55.53 | -13 | -42.53 | -79.5 | -65.02 | 2.39 | 11.88 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 2 / 5MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3812 | -61.03 | -13 | -48.03 | -75.76 | -67.7 | 1.70 | 8.37 | H |
| | 5716 | -59.58 | -13 | -46.58 | -79.66 | -66.62 | 2.75 | 9.79 | H |
| | 7627 | -54.73 | -13 | -41.73 | -79.42 | -64.22 | 2.39 | 11.88 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3812 | -63.06 | -13 | -50.06 | -77.44 | -69.73 | 1.70 | 8.37 | V |
| | 5716 | -61.03 | -13 | -48.03 | -79.99 | -68.07 | 2.75 | 9.79 | V |
| | 7627 | -55.62 | -13 | -42.62 | -79.59 | -65.11 | 2.39 | 11.88 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 2 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3805 | -56.36 | -13 | -43.36 | -71.09 | -63.03 | 1.70 | 8.37 | H |
| | 5709 | -59.50 | -13 | -46.50 | -79.58 | -66.54 | 2.75 | 9.78 | H |
| | 7613 | -54.73 | -13 | -41.73 | -79.42 | -64.2 | 2.39 | 11.87 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3805 | -58.90 | -13 | -45.90 | -72.95 | -65.57 | 1.70 | 8.37 | V |
| | 5709 | -60.23 | -13 | -47.23 | -79.08 | -67.27 | 2.75 | 9.78 | V |
| | 7613 | -55.49 | -13 | -42.49 | -79.42 | -64.96 | 2.39 | 11.87 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 2 / 15MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3791 | -55.09 | -13 | -42.09 | -69.8 | -61.74 | 1.70 | 8.35 | H |
| | 5688 | -59.21 | -13 | -46.21 | -79.21 | -66.25 | 2.73 | 9.78 | H |
| | 7585 | -54.61 | -13 | -41.61 | -79.37 | -64.06 | 2.40 | 11.85 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3791 | -57.36 | -13 | -44.36 | -71.52 | -64.01 | 1.70 | 8.35 | V |
| | 5688 | -60.80 | -13 | -47.80 | -79.51 | -67.84 | 2.73 | 9.78 | V |
| | 7585 | -55.54 | -13 | -42.54 | -79.49 | -64.99 | 2.40 | 11.85 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 2 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3784 | -56.47 | -13 | -43.47 | -71.24 | -63.12 | 1.69 | 8.34 | H |
| | 5676 | -59.20 | -13 | -46.20 | -79.17 | -66.24 | 2.73 | 9.77 | H |
| | 7568 | -54.59 | -13 | -41.59 | -79.49 | -64.02 | 2.41 | 11.84 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3784 | -59.04 | -13 | -46.04 | -73.25 | -65.69 | 1.69 | 8.34 | V |
| | 5676 | -60.59 | -13 | -47.59 | -79.24 | -67.63 | 2.73 | 9.77 | V |
| | 7568 | -55.66 | -13 | -42.66 | -79.66 | -65.09 | 2.41 | 11.84 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



LTE Band 4

| LTE Band 4 / 1.4MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3462 | -63.58 | -13 | -50.58 | -76.58 | -69.82 | 1.59 | 7.83 | H |
| | 5196 | -59.76 | -13 | -46.76 | -79.12 | -67.01 | 2.45 | 9.70 | H |
| | 6927 | -56.12 | -13 | -43.12 | -79.56 | -64.22 | 2.61 | 10.71 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3462 | -64.34 | -13 | -51.34 | -77.56 | -70.58 | 1.59 | 7.83 | V |
| | 5196 | -60.71 | -13 | -47.71 | -79.09 | -67.96 | 2.45 | 9.70 | V |
| | 6927 | -56.32 | -13 | -43.32 | -79.56 | -64.42 | 2.61 | 10.71 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 4 / 3MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3504 | -64.52 | -13 | -51.52 | -77.83 | -70.92 | 1.61 | 8.00 | H |
| | 5256 | -60.42 | -13 | -47.42 | -79.59 | -67.64 | 2.48 | 9.70 | H |
| | 7008 | -55.67 | -13 | -42.67 | -79.32 | -63.9 | 2.59 | 10.82 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3504 | -63.71 | -13 | -50.71 | -77.58 | -70.11 | 1.61 | 8.00 | V |
| | 5256 | -61.30 | -13 | -48.30 | -79.9 | -68.52 | 2.48 | 9.70 | V |
| | 7008 | -55.62 | -13 | -42.62 | -79.14 | -63.85 | 2.59 | 10.82 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 4 / 5MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3500.5 | -64.02 | -13 | -51.02 | -77.31 | -70.42 | 1.60 | 8.00 | H |
| | 5250.75 | -60.49 | -13 | -47.49 | -79.65 | -67.71 | 2.48 | 9.70 | H |
| | 7001 | -55.38 | -13 | -42.38 | -79.06 | -63.59 | 2.59 | 10.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3500.5 | -63.52 | -13 | -50.52 | -77.41 | -69.92 | 1.60 | 8.00 | V |
| | 5250.75 | -61.19 | -13 | -48.19 | -79.8 | -68.41 | 2.48 | 9.70 | V |
| | 7001 | -55.63 | -13 | -42.63 | -79.13 | -63.84 | 2.59 | 10.80 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 4 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3490 | -64.67 | -13 | -51.67 | -77.83 | -71.02 | 1.60 | 7.96 | H |
| | 5240 | -53.49 | -13 | -40.49 | -72.7 | -60.71 | 2.48 | 9.70 | H |
| | 6983 | -55.57 | -13 | -42.57 | -79.21 | -63.75 | 2.60 | 10.78 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3490 | -64.04 | -13 | -51.04 | -77.6 | -70.39 | 1.60 | 7.96 | V |
| | 5240 | -60.67 | -13 | -47.67 | -79.17 | -67.89 | 2.48 | 9.70 | V |
| | 6983 | -55.68 | -13 | -42.68 | -79.18 | -63.86 | 2.60 | 10.78 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 4 / 15MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Highest | 3483 | -64.49 | -13 | -51.49 | -77.65 | -70.82 | 1.60 | 7.93 | H |
| | 5222 | -60.40 | -13 | -47.40 | -79.66 | -67.64 | 2.46 | 9.70 | H |
| | 6963 | -55.88 | -13 | -42.88 | -79.41 | -64.03 | 2.60 | 10.76 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3483 | -64.01 | -13 | -51.01 | -77.53 | -70.34 | 1.60 | 7.93 | V |
| | 5222 | -61.07 | -13 | -48.07 | -79.51 | -68.31 | 2.46 | 9.70 | V |
| | 6963 | -55.98 | -13 | -42.98 | -79.35 | -64.13 | 2.60 | 10.76 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 4 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3448 | -63.60 | -13 | -50.60 | -76.44 | -69.78 | 1.59 | 7.77 | H |
| | 5172 | -59.61 | -13 | -46.61 | -78.87 | -66.87 | 2.44 | 9.70 | H |
| | 6896 | -56.40 | -13 | -43.40 | -79.78 | -64.45 | 2.62 | 10.68 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3448 | -64.30 | -13 | -51.30 | -77.18 | -70.48 | 1.59 | 7.77 | V |
| | 5172 | -60.26 | -13 | -47.26 | -78.49 | -67.52 | 2.44 | 9.70 | V |
| | 6896 | -56.50 | -13 | -43.50 | -79.59 | -64.55 | 2.62 | 10.68 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



LTE Band 7

| LTE Band 7 / 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) |
| Highest | 5130 | -59.51 | -25 | -34.51 | -78.33 | -66.8 | 2.41 | 9.70 | H |
| | 7698 | -52.95 | -25 | -27.95 | -77.34 | -62.5 | 2.37 | 11.92 | H |
| | 10260 | -50.89 | -25 | -25.89 | -79.81 | -60.5 | 2.69 | 12.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5130 | -60.91 | -25 | -35.91 | -78.59 | -68.2 | 2.41 | 9.70 | V |
| | 7698 | -55.15 | -25 | -30.15 | -79.08 | -64.7 | 2.37 | 11.92 | V |
| | 10260 | -53.69 | -25 | -28.69 | -80.22 | -63.3 | 2.69 | 12.30 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 7 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5000 | -56.94 | -25 | -31.94 | -75.8 | -64.3 | 2.34 | 9.70 | H |
| | 7500 | -54.73 | -25 | -29.73 | -79.67 | -64.1 | 2.43 | 11.80 | H |
| | 10000 | -51.60 | -25 | -26.60 | -79.93 | -61.1 | 2.70 | 12.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5000 | -60.84 | -25 | -35.84 | -78.82 | -68.2 | 2.34 | 9.70 | V |
| | 7500 | -55.53 | -25 | -30.53 | -79.47 | -64.9 | 2.43 | 11.80 | V |
| | 10000 | -54.60 | -25 | -29.60 | -80.27 | -64.1 | 2.70 | 12.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 7 / 15MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5000 | -60.14 | -25 | -35.14 | -78.89 | -67.5 | 2.34 | 9.70 | H |
| | 7500 | -54.73 | -25 | -29.73 | -79.65 | -64.1 | 2.43 | 11.80 | H |
| | 10000 | -51.70 | -25 | -26.70 | -80.31 | -61.2 | 2.70 | 12.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5000 | -61.54 | -25 | -36.54 | -78.95 | -68.9 | 2.34 | 9.70 | V |
| | 7500 | -55.63 | -25 | -30.63 | -79.52 | -65 | 2.43 | 11.80 | V |
| | 10000 | -54.60 | -25 | -29.60 | -80.17 | -64.1 | 2.70 | 12.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 7 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5004 | -59.84 | -25 | -34.84 | -78.61 | -67.2 | 2.34 | 9.70 | H |
| | 7500 | -54.63 | -25 | -29.63 | -79.72 | -64 | 2.43 | 11.80 | H |
| | 10000 | -51.90 | -25 | -26.90 | -80.37 | -61.4 | 2.70 | 12.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5004 | -61.34 | -25 | -36.34 | -78.85 | -68.7 | 2.34 | 9.70 | V |
| | 7500 | -55.83 | -25 | -30.83 | -79.51 | -65.2 | 2.43 | 11.80 | V |
| | 10000 | -54.60 | -25 | -29.60 | -80.52 | -64.1 | 2.70 | 12.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



LTE Band 12

| LTE Band 12 / 1.4MHz / 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 | 1416 | -54.85 | -13.00 | -41.85 | -60.03 | -56.60 | 0.87 | 4.78 | H |
| | 2120 | -67.76 | -13.00 | -54.76 | -76.18 | -68.70 | 1.17 | 4.26 | H |
| | 2827 | -65.98 | -13.00 | -52.98 | -77.08 | -68.10 | 1.39 | 5.66 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1416 | -58.25 | -13.00 | -45.25 | -61.87 | -60.00 | 0.87 | 4.78 | V |
| | 2120 | -67.56 | -13.00 | -54.56 | -76.67 | -68.50 | 1.17 | 4.26 | V |
| | 2827 | -65.48 | -13.00 | -52.48 | -76.96 | -67.60 | 1.39 | 5.66 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 12 / 3MHz / 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 | 1416 | -57.95 | -13.00 | -44.95 | -62.69 | -59.70 | 0.87 | 4.78 | H |
| | 2118 | -67.97 | -13.00 | -54.97 | -76.74 | -68.90 | 1.17 | 4.25 | H |
| | 2824 | -66.38 | -13.00 | -53.38 | -77.00 | -68.50 | 1.39 | 5.66 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1416 | -60.45 | -13.00 | -47.45 | -64.57 | -62.20 | 0.87 | 4.78 | V |
| | 2118 | -67.17 | -13.00 | -54.17 | -76.50 | -68.10 | 1.17 | 4.25 | V |
| | 2824 | -65.98 | -13.00 | -52.98 | -77.08 | -68.10 | 1.39 | 5.66 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 12 / 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) |
| Middle | 1408 | -58.19 | -13.00 | -45.19 | -62.90 | -59.90 | 0.87 | 4.73 | H |
| | 2115 | -68.18 | -13.00 | -55.18 | -76.51 | -69.10 | 1.17 | 4.25 | H |
| | 2820 | -66.09 | -13.00 | -53.09 | -77.02 | -68.20 | 1.39 | 5.66 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1408 | -61.49 | -13.00 | -48.49 | -65.20 | -63.20 | 0.87 | 4.73 | V |
| | 2115 | -67.48 | -13.00 | -54.48 | -76.70 | -68.40 | 1.17 | 4.25 | V |
| | 2820 | -65.99 | -13.00 | -52.99 | -77.19 | -68.10 | 1.39 | 5.66 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 12 / 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 | 1408 | -61.79 | -13.00 | -48.79 | -66.49 | -63.50 | 0.87 | 4.73 | H |
| | 2108 | -67.69 | -13.00 | -54.69 | -76.20 | -68.60 | 1.17 | 4.22 | H |
| | 2810 | -66.89 | -13.00 | -53.89 | -77.22 | -69.00 | 1.39 | 5.65 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1408 | -63.99 | -13.00 | -50.99 | -67.99 | -65.70 | 0.87 | 4.73 | V |
| | 2108 | -67.69 | -13.00 | -54.69 | -76.60 | -68.60 | 1.17 | 4.22 | V |
| | 2810 | -65.99 | -13.00 | -52.99 | -77.03 | -68.10 | 1.39 | 5.65 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



LTE Band 17

| LTE Band 17 / 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 | 1408 | -60.39 | -13 | -47.39 | -64.95 | -62.10 | 0.87 | 4.73 | H |
| | 2112 | -67.58 | -13 | -54.58 | -76.59 | -68.50 | 1.17 | 4.24 | H |
| | 2816 | -65.79 | -13 | -52.79 | -76.76 | -67.90 | 1.39 | 5.65 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1408 | -63.09 | -13 | -50.09 | -67.02 | -64.80 | 0.87 | 4.73 | V |
| | 2112 | -67.08 | -13 | -54.08 | -75.96 | -68.00 | 1.17 | 4.24 | V |
| | 2816 | -65.59 | -13 | -52.59 | -76.76 | -67.70 | 1.39 | 5.65 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 17 / 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 | 1410 | -55.78 | -13 | -42.78 | -60.33 | -57.50 | 0.87 | 4.74 | H |
| | 2115 | -67.78 | -13 | -54.78 | -76.68 | -68.70 | 1.17 | 4.25 | H |
| | 2820 | -65.79 | -13 | -52.79 | -77.06 | -67.90 | 1.39 | 5.66 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1410 | -58.88 | -13 | -45.88 | -62.98 | -60.60 | 0.87 | 4.74 | V |
| | 2115 | -67.88 | -13 | -54.88 | -76.88 | -68.80 | 1.17 | 4.25 | V |
| | 2820 | -65.99 | -13 | -52.99 | -77.08 | -68.10 | 1.39 | 5.66 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



LTE Band 38

| LTE Band 38 / 5MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5148 | -59.87 | -25 | -34.87 | -79.09 | -67.15 | 2.42 | 9.70 | H |
| | 7722 | -54.22 | -25 | -29.22 | -78.95 | -63.8 | 2.36 | 11.93 | H |
| | 10296 | -51.35 | -25 | -26.35 | -80.33 | -60.97 | 2.69 | 12.32 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5148 | -59.80 | -25 | -34.80 | -78.93 | -67.08 | 2.42 | 9.70 | V |
| | 7722 | -54.72 | -25 | -29.72 | -78.85 | -64.3 | 2.36 | 11.93 | V |
| | 10296 | -53.15 | -25 | -28.15 | -80.14 | -62.77 | 2.69 | 12.32 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 38 / 10MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5148 | -59.75 | -25 | -34.75 | -78.97 | -67.03 | 2.42 | 9.70 | H |
| | 7722 | -54.27 | -25 | -29.27 | -79 | -63.85 | 2.36 | 11.93 | H |
| | 10296 | -51.19 | -25 | -26.19 | -80.22 | -60.81 | 2.69 | 12.32 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5148 | -60.92 | -25 | -35.92 | -79.05 | -68.2 | 2.42 | 9.70 | V |
| | 7722 | -54.98 | -25 | -29.98 | -79.11 | -64.56 | 2.36 | 11.93 | V |
| | 10296 | -53.19 | -25 | -28.19 | -80.18 | -62.81 | 2.69 | 12.32 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 38 / 15MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 5184 | -59.63 | -25 | -34.63 | -78.92 | -66.89 | 2.44 | 9.70 | H |
| | 7776 | -54.23 | -25 | -29.23 | -78.99 | -63.86 | 2.34 | 11.97 | H |
| | 10368 | -51.12 | -25 | -26.12 | -80.2 | -60.77 | 2.69 | 12.35 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5184 | -60.71 | -25 | -35.71 | -78.99 | -67.97 | 2.44 | 9.70 | V |
| | 7776 | -55.03 | -25 | -30.03 | -79.3 | -64.66 | 2.34 | 11.97 | V |
| | 10368 | -53.02 | -25 | -28.02 | -80.2 | -62.67 | 2.69 | 12.35 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 38 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 5184 | -59.71 | -25 | -34.71 | -79 | -66.97 | 2.44 | 9.70 | H |
| | 7776 | -54.64 | -25 | -29.64 | -79.4 | -64.27 | 2.34 | 11.97 | H |
| | 10368 | -50.86 | -25 | -25.86 | -79.94 | -60.51 | 2.69 | 12.35 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5184 | -60.48 | -25 | -35.48 | -78.76 | -67.74 | 2.44 | 9.70 | V |
| | 7776 | -55.06 | -25 | -30.06 | -79.33 | -64.69 | 2.34 | 11.97 | V |
| | 10368 | -52.87 | -25 | -27.87 | -80.05 | -62.52 | 2.69 | 12.35 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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