

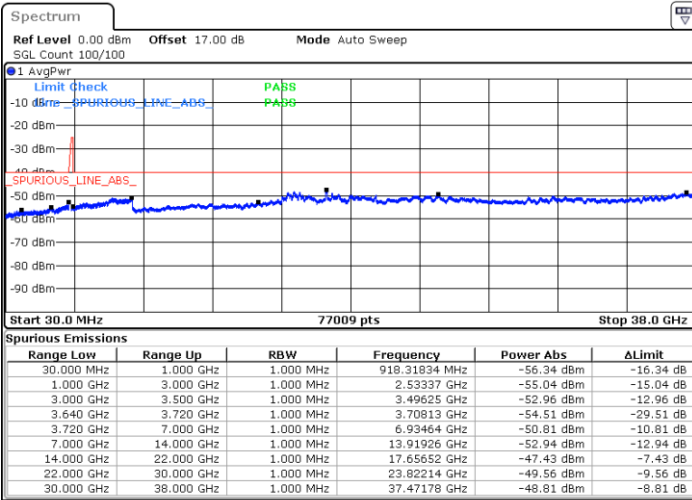


LTE Band 48C / 20MHz+10MHz

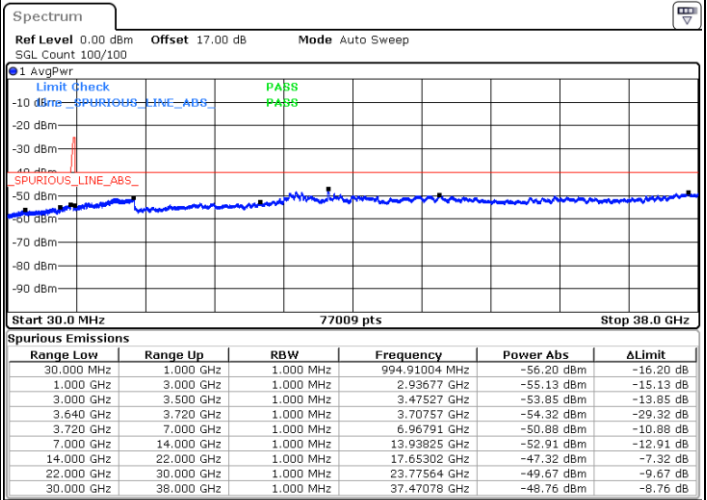
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



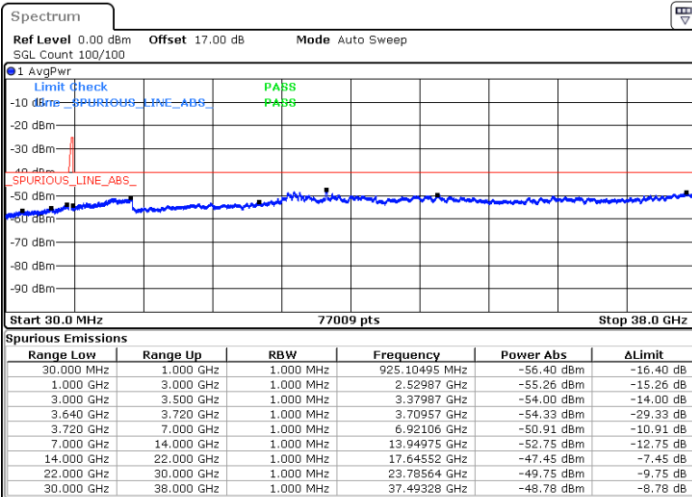
Date: 15.JUL.2020 23:49:12



Date: 15.JUL.2020 23:42:51

Lowest Channel / FullIRB

N/A



Date: 15.JUL.2020 23:53:33

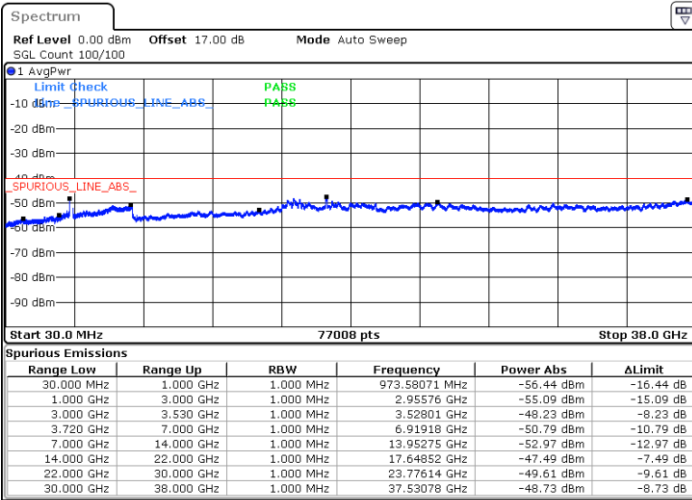


LTE Band 48C / 20MHz+10MHz

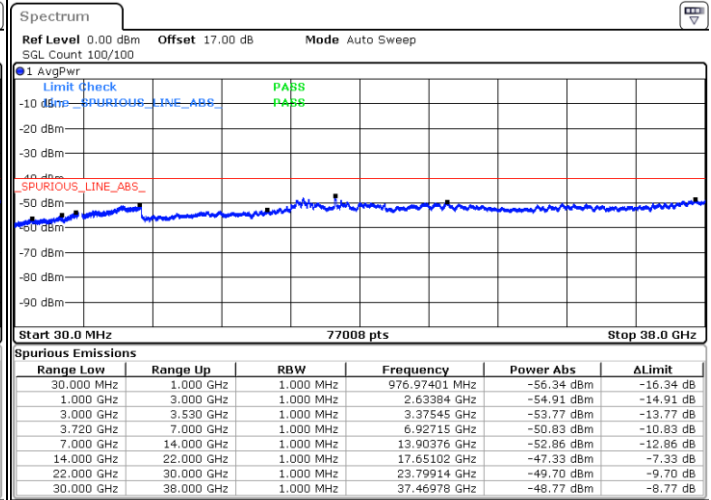
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



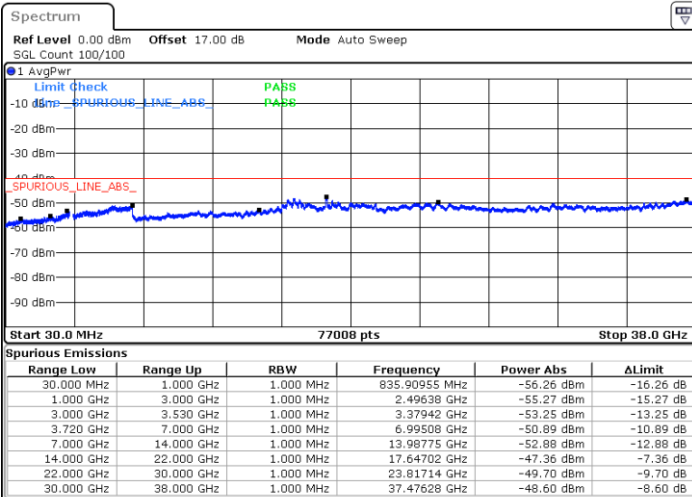
Date: 16.JUL.2020 00:35:06



Date: 16.JUL.2020 00:50:39

Middle Channel / FullIRB

N/A



Date: 16.JUL.2020 00:33:50

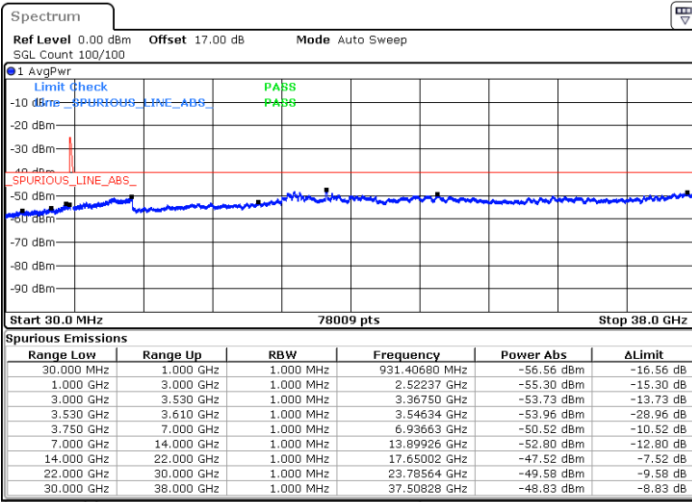


LTE Band 48C / 20MHz+10MHz

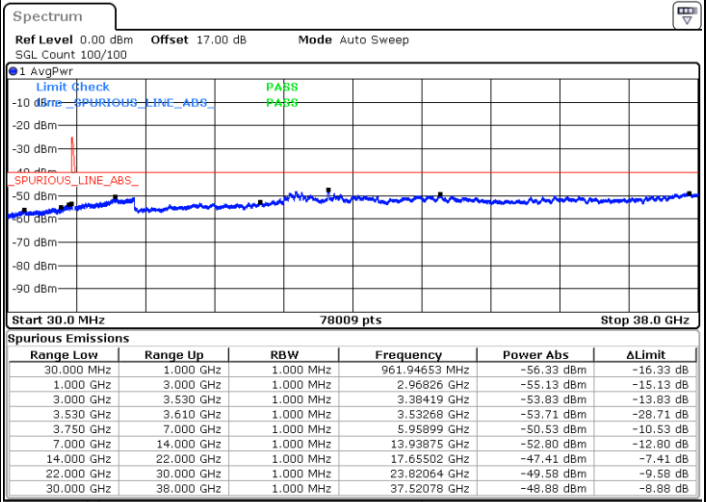
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



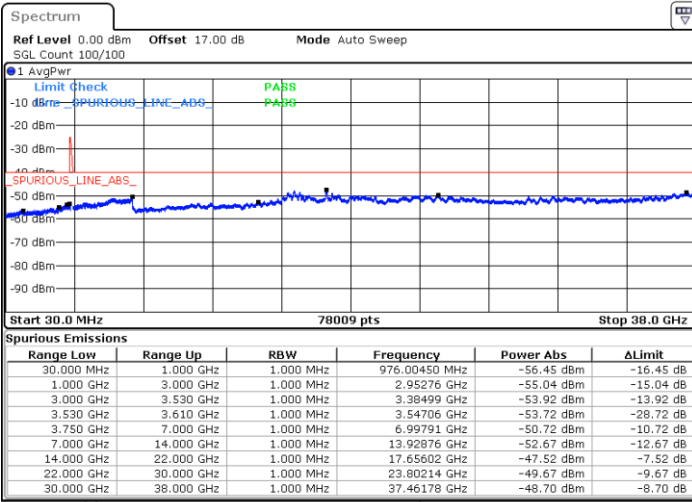
Date: 16.JUL.2020 01:26:44



Date: 16.JUL.2020 01:25:28

Highest Channel / FullIRB

N/A



Date: 16.JUL.2020 01:33:08

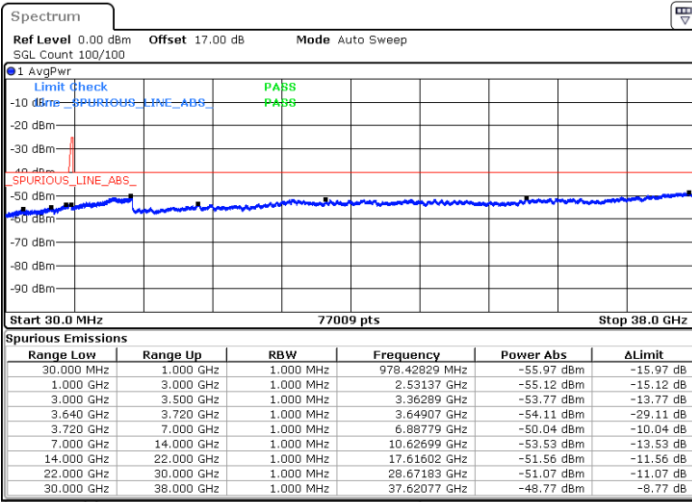


LTE Band 48C / 20MHz+15MHz

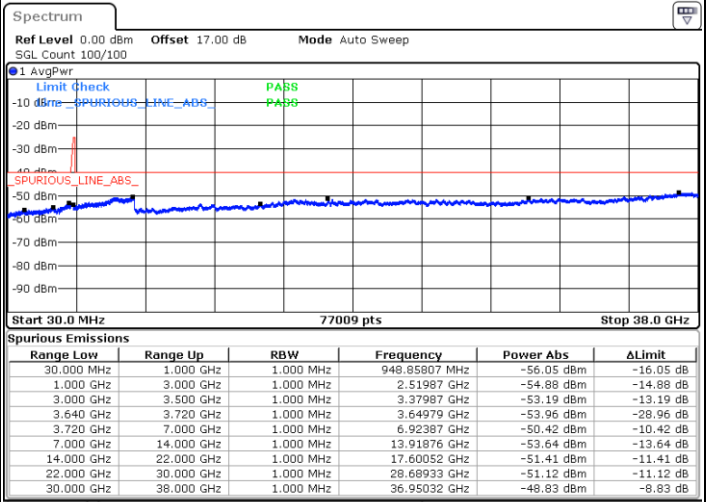
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



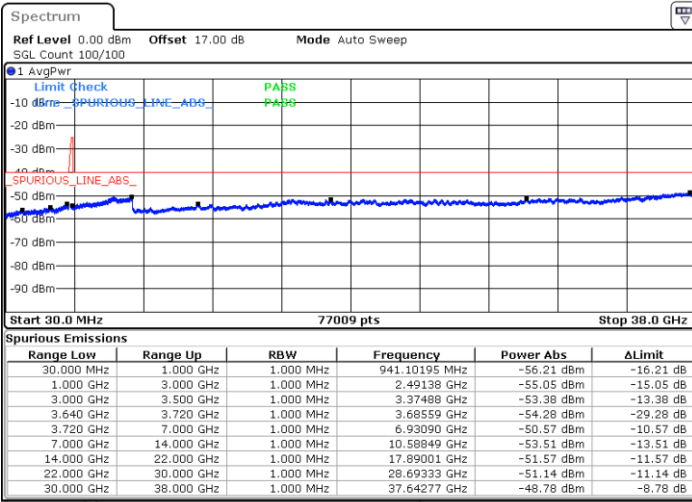
Date: 7.JUL.2020 20:16:51



Date: 7.JUL.2020 20:08:13

Lowest Channel / FullIRB

N/A



Date: 7.JUL.2020 20:18:16

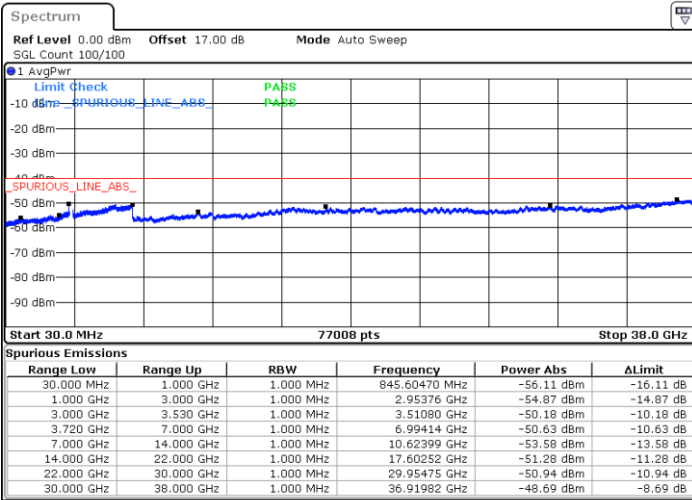


LTE Band 48C / 20MHz+15MHz

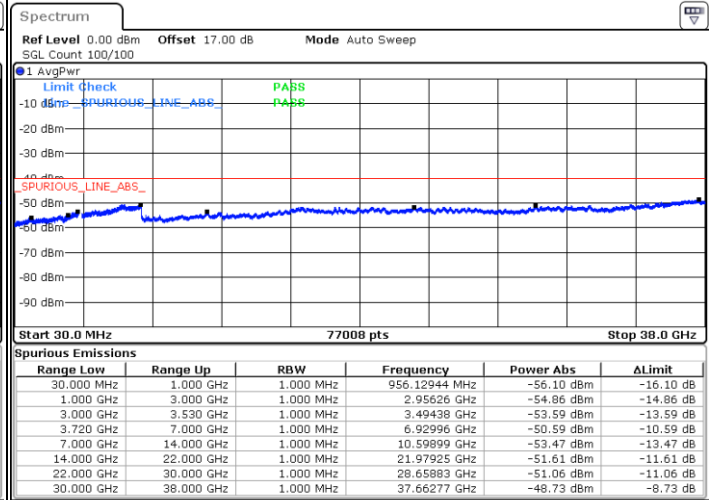
64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



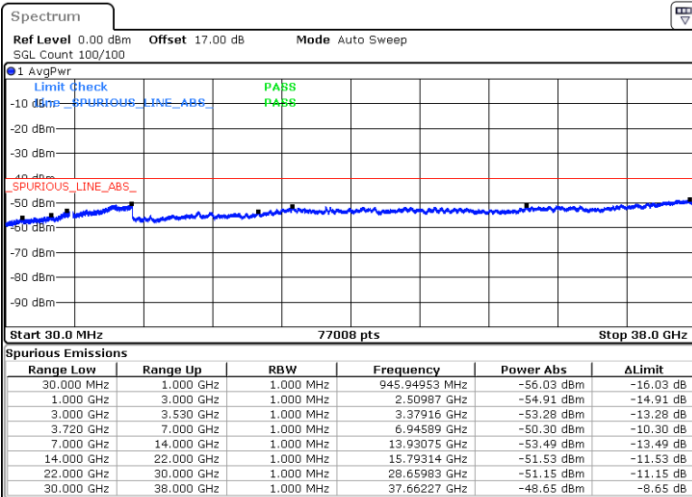
Date: 7.JUL.2020 21:01:32



Date: 7.JUL.2020 21:12:43

Middle Channel / FullIRB

N/A



Date: 7.JUL.2020 21:00:08

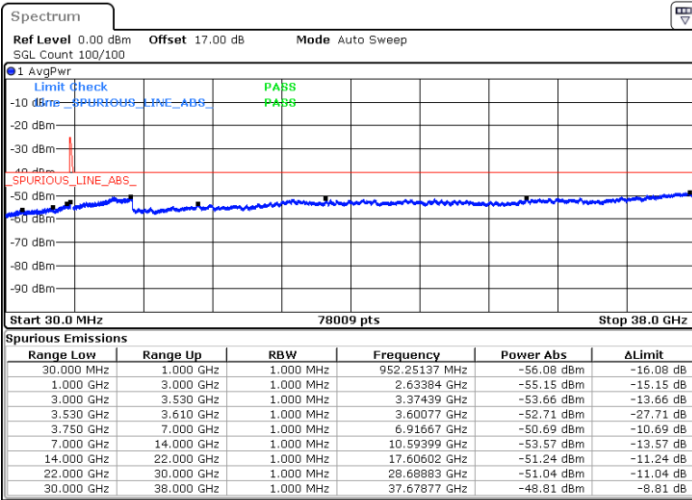


LTE Band 48C / 20MHz+15MHz

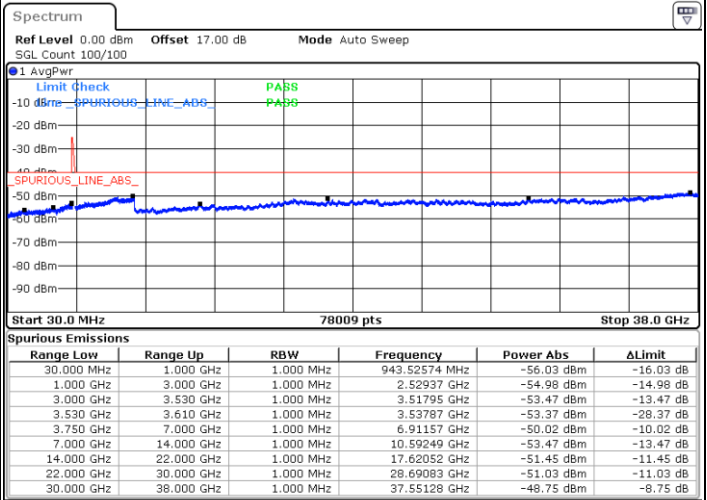
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



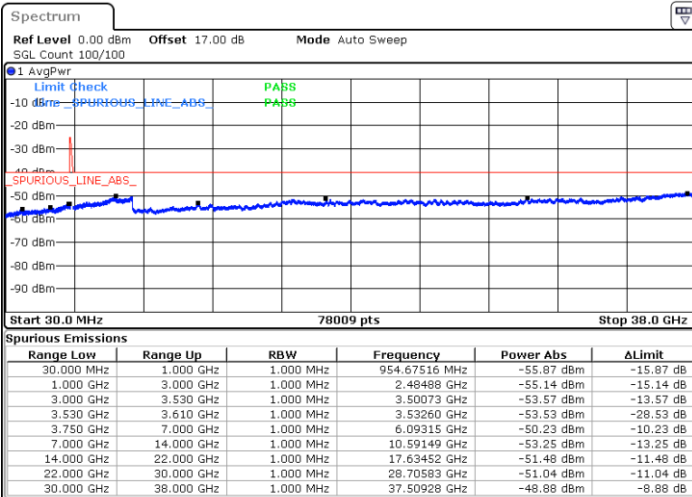
Date: 7.JUL.2020 22:06:55



Date: 7.JUL.2020 21:56:11

Highest Channel / FullIRB

N/A



Date: 7.JUL.2020 22:14:01

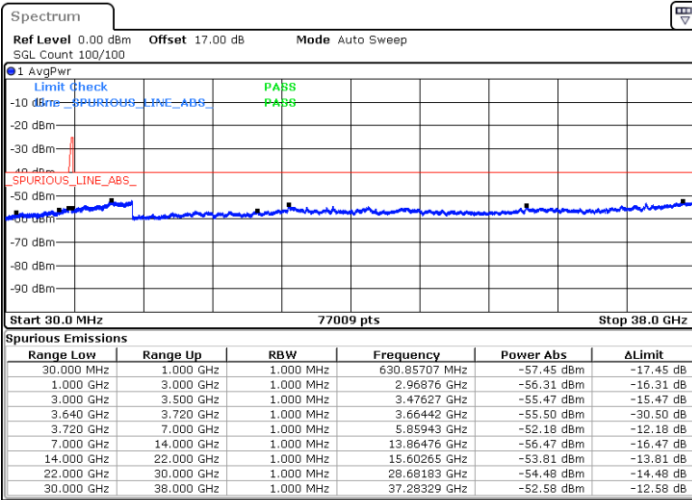


LTE Band 48C / 20MHz+20MHz

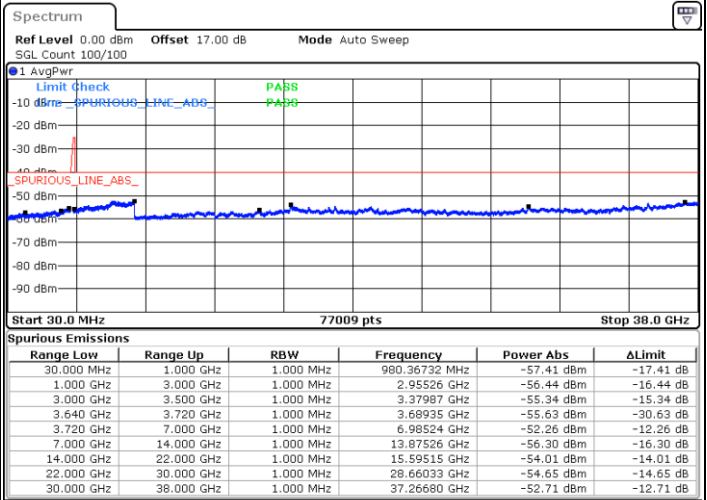
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



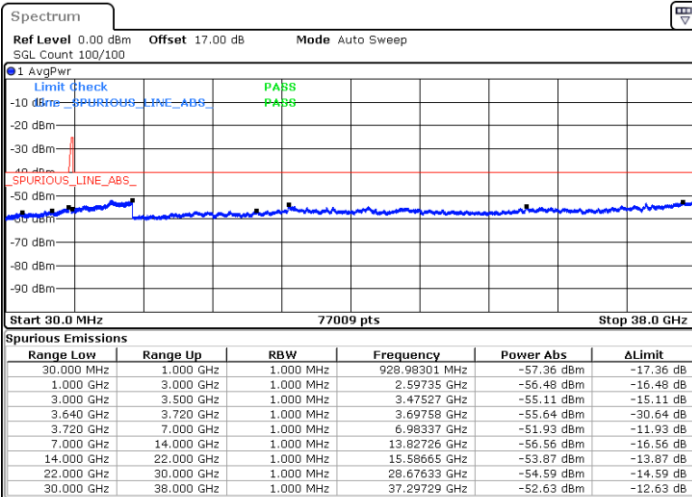
Date: 7.JUL.2020 16:35:10



Date: 7.JUL.2020 15:57:45

Lowest Channel / FullIRB

N/A



Date: 7.JUL.2020 16:36:40

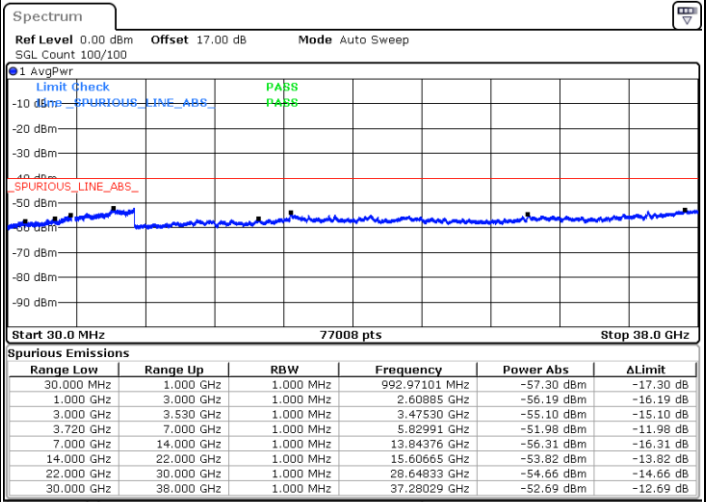
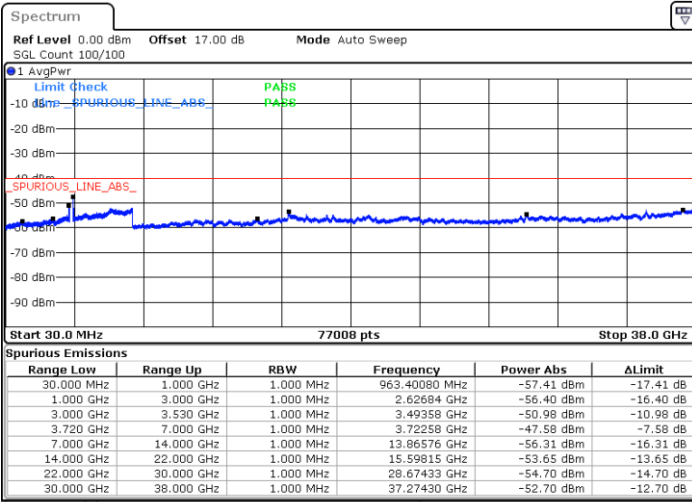


LTE Band 48C / 20MHz+20MHz

64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

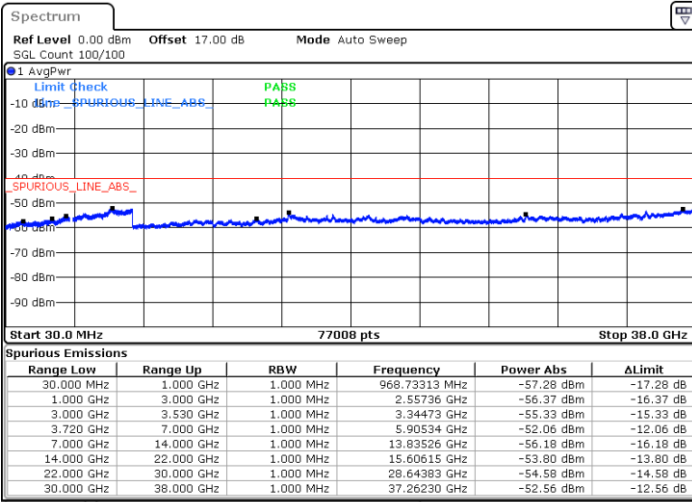


Date: 7.JUL.2020 17:29:56

Date: 7.JUL.2020 17:37:23

Middle Channel / FullIRB

N/A



Date: 7.JUL.2020 17:27:22

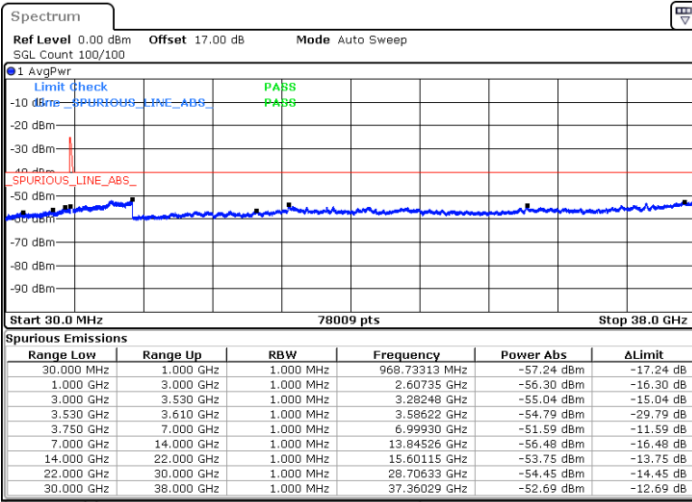


LTE Band 48C / 20MHz+20MHz

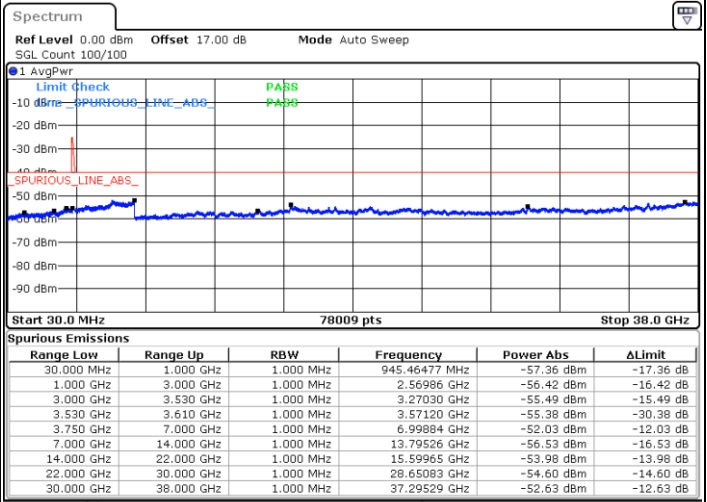
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



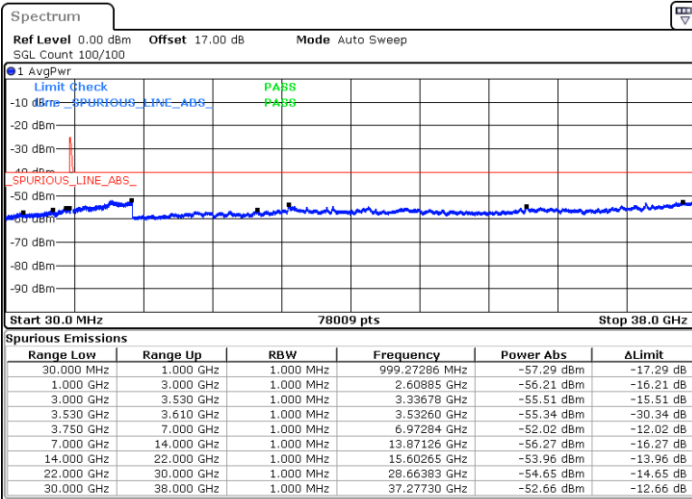
Date: 7.JUL.2020 15:32:30



Date: 7.JUL.2020 15:36:54

Highest Channel / FullIRB

N/A



Date: 7.JUL.2020 15:14:15



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<Reporting Only>

<Primary Antenna>

| LTE Band 48 / 5MHz (Average) (GT - LC = -2.8 dB) | | | | | | | |
|--|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 24.12 | 0.2582 | 21.32 | 0.1355 |
| Middle | | 1 | 0 | 24.19 | 0.2624 | 21.39 | 0.1377 |
| Highest | | 1 | 0 | 24.10 | 0.2570 | 21.30 | 0.1349 |
| Lowest | 16QAM | 1 | 0 | 23.32 | 0.2148 | 20.52 | 0.1127 |
| Middle | | 1 | 0 | 23.18 | 0.2080 | 20.38 | 0.1091 |
| Highest | | 1 | 0 | 23.18 | 0.2080 | 20.38 | 0.1091 |
| Lowest | 64QAM | 1 | 0 | 21.96 | 0.1570 | 19.16 | 0.0824 |
| Middle | | 1 | 0 | 22.05 | 0.1603 | 19.25 | 0.0841 |
| Highest | | 1 | 0 | 21.90 | 0.1549 | 19.10 | 0.0813 |

| LTE Band 48 / 10MHz (Average) (GT - LC = -2.8 dB) | | | | | | | |
|---|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 24.11 | 0.2576 | 21.31 | 0.1352 |
| Middle | | 1 | 0 | 23.92 | 0.2466 | 21.12 | 0.1294 |
| Highest | | 1 | 0 | 24.12 | 0.2582 | 21.32 | 0.1355 |
| Lowest | 16QAM | 1 | 0 | 23.27 | 0.2123 | 20.47 | 0.1114 |
| Middle | | 1 | 0 | 23.14 | 0.2061 | 20.34 | 0.1081 |
| Highest | | 1 | 0 | 23.28 | 0.2128 | 20.48 | 0.1117 |
| Lowest | 64QAM | 1 | 0 | 22.02 | 0.1592 | 19.22 | 0.0836 |
| Middle | | 1 | 0 | 22.05 | 0.1603 | 19.25 | 0.0841 |
| Highest | | 1 | 0 | 21.90 | 0.1549 | 19.10 | 0.0813 |

| LTE Band 48 / 15MHz (Average) (GT - LC = -2.8 dB) | | | | | | | |
|---|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 24.20 | 0.2630 | 21.40 | 0.1380 |
| Middle | | 1 | 0 | 23.91 | 0.2460 | 21.11 | 0.1291 |
| Highest | | 1 | 0 | 24.07 | 0.2553 | 21.27 | 0.1340 |
| Lowest | 16QAM | 1 | 0 | 23.29 | 0.2133 | 20.49 | 0.1119 |
| Middle | | 1 | 0 | 23.05 | 0.2018 | 20.25 | 0.1059 |
| Highest | | 1 | 0 | 23.24 | 0.2109 | 20.44 | 0.1107 |
| Lowest | 64QAM | 1 | 0 | 21.97 | 0.1574 | 19.17 | 0.0826 |
| Middle | | 1 | 0 | 21.80 | 0.1514 | 19.00 | 0.0794 |
| Highest | | 1 | 0 | 21.97 | 0.1574 | 19.17 | 0.0826 |



| LTE Band 48 / 20MHz (Average) (GT - LC = -2.8 dB) | | | | | | | |
|---|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 24.21 | 0.2636 | 21.41 | 0.1384 |
| Middle | | 1 | 0 | 24.10 | 0.2570 | 21.30 | 0.1349 |
| Highest | | 1 | 0 | 24.13 | 0.2588 | 21.33 | 0.1358 |
| Lowest | 16QAM | 1 | 0 | 23.33 | 0.2153 | 20.53 | 0.1130 |
| Middle | | 1 | 0 | 23.22 | 0.2099 | 20.42 | 0.1102 |
| Highest | | 1 | 0 | 23.28 | 0.2128 | 20.48 | 0.1117 |
| Lowest | 64QAM | 1 | 0 | 22.04 | 0.1600 | 19.24 | 0.0839 |
| Middle | | 1 | 0 | 22.05 | 0.1603 | 19.25 | 0.0841 |
| Highest | | 1 | 0 | 22.00 | 0.1585 | 19.20 | 0.0832 |



EIRP

| LTE Band 48 / Conducted Power (dBm/10MHz) | | | | | | | | | |
|---|--------|-------|-------|------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | | 3MHz | | | 5MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | - | - | - | - | - | - | 24.12 | 23.32 | 21.96 |
| Middle CH | - | - | - | - | - | - | 24.19 | 23.18 | 22.05 |
| Highest CH | - | - | - | - | - | - | 24.10 | 23.18 | 21.90 |

| LTE Band 48 / Conducted Power (dBm/10MHz) | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 10MHz | | | 15MHz | | | 20MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 24.11 | 23.27 | 22.02 | 24.20 | 23.29 | 21.97 | 24.21 | 23.33 | 22.04 |
| Middle CH | 23.92 | 23.14 | 22.05 | 23.91 | 23.05 | 21.80 | 24.10 | 23.22 | 22.05 |
| Highest CH | 24.12 | 23.28 | 21.90 | 24.07 | 23.24 | 21.97 | 24.13 | 23.28 | 22.00 |

| LTE Band 48 / EIRP Power (dBm/10MHz) | | | | | | | | | |
|--------------------------------------|--------|-------|-------|------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | | 3MHz | | | 5MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | - | - | - | - | - | - | 21.32 | 20.52 | 19.16 |
| Middle CH | - | - | - | - | - | - | 21.39 | 20.38 | 19.25 |
| Highest CH | - | - | - | - | - | - | 21.30 | 20.38 | 19.10 |

| LTE Band 48 / EIRP Power (dBm/10MHz) | | | | | | | | | |
|--------------------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 10MHz | | | 15MHz | | | 20MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 21.31 | 20.47 | 19.22 | 21.40 | 20.49 | 19.17 | 21.41 | 20.53 | 19.24 |
| Middle CH | 21.12 | 20.34 | 19.25 | 21.11 | 20.25 | 19.00 | 21.30 | 20.42 | 19.25 |
| Highest CH | 21.32 | 20.48 | 19.10 | 21.27 | 20.44 | 19.17 | 21.33 | 20.48 | 19.20 |
| Antenna Gain | -2.8 dBi | | | | | | | | |
| Limit | 23dBm / 10MHz | | | | | | | | |
| Result | PASS | | | | | | | | |



| LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 100 | 0 | 100 | 0 | 6.11 | 0.0041 | 3.31 | 0.0021 |
| Middle | | 100 | 0 | 100 | 0 | 14.79 | 0.0301 | 11.99 | 0.0158 |
| Highest | | 100 | 0 | 100 | 0 | 6.32 | 0.0043 | 3.52 | 0.0022 |
| Lowest | 16QAM | 1 | 0 | 1 | 99 | 6.52 | 0.0045 | 3.72 | 0.0024 |
| Middle | | 1 | 0 | 1 | 99 | 15.23 | 0.0333 | 12.43 | 0.0175 |
| Highest | | 1 | 0 | 1 | 99 | 6.79 | 0.0048 | 3.99 | 0.0025 |
| Lowest | 64QAM | 1 | 0 | 1 | 99 | 6.26 | 0.0042 | 3.46 | 0.0022 |
| Middle | | 1 | 0 | 1 | 99 | 14.92 | 0.0310 | 12.12 | 0.0163 |
| Highest | | 1 | 0 | 1 | 99 | 6.43 | 0.0044 | 3.63 | 0.0023 |
| Limit | EIRP < 0.2W | | | | Result | | PASS | | |

| LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 1 | 0 | 1 | 74 | 6.27 | 0.0042 | 3.47 | 0.0022 |
| Middle | | 1 | 0 | 1 | 74 | 14.98 | 0.0315 | 12.18 | 0.0165 |
| Highest | | 1 | 0 | 1 | 74 | 6.05 | 0.0040 | 3.25 | 0.0021 |
| Lowest | 16QAM | 1 | 0 | 1 | 74 | 6.49 | 0.0045 | 3.69 | 0.0023 |
| Middle | | 1 | 0 | 1 | 74 | 15.13 | 0.0326 | 12.33 | 0.0171 |
| Highest | | 1 | 0 | 1 | 74 | 7.02 | 0.0050 | 4.22 | 0.0026 |
| Lowest | 64QAM | 1 | 0 | 1 | 74 | 6.34 | 0.0043 | 3.54 | 0.0023 |
| Middle | | 1 | 0 | 1 | 74 | 15.05 | 0.0320 | 12.25 | 0.0168 |
| Highest | | 1 | 0 | 1 | 74 | 6.25 | 0.0042 | 3.45 | 0.0022 |
| Limit | EIRP < 0.2W | | | | Result | | PASS | | |

| LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 75 | 0 | 100 | 0 | 5.85 | 0.0038 | 3.05 | 0.0020 |
| Middle | | 75 | 0 | 100 | 0 | 14.72 | 0.0296 | 11.92 | 0.0156 |
| Highest | | 75 | 0 | 100 | 0 | 6.11 | 0.0041 | 3.31 | 0.0021 |
| Lowest | 16QAM | 1 | 0 | 1 | 99 | 6.76 | 0.0047 | 3.96 | 0.0025 |
| Middle | | 1 | 0 | 1 | 99 | 15.22 | 0.0333 | 12.42 | 0.0175 |
| Highest | | 1 | 0 | 1 | 99 | 6.74 | 0.0047 | 3.94 | 0.0025 |
| Lowest | 64QAM | 1 | 0 | 1 | 99 | 6.16 | 0.0041 | 3.36 | 0.0022 |
| Middle | | 1 | 0 | 1 | 99 | 15.05 | 0.0320 | 12.25 | 0.0168 |
| Highest | | 1 | 0 | 1 | 99 | 6.31 | 0.0043 | 3.51 | 0.0022 |
| Limit | EIRP < 0.2W | | | | Result | | PASS | | |



| LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 1 | 0 | 1 | 49 | 5.92 | 0.0039 | 3.12 | 0.0021 |
| Middle | | 1 | 0 | 1 | 49 | 15.00 | 0.0316 | 12.20 | 0.0166 |
| Highest | | 1 | 0 | 1 | 49 | 6.15 | 0.0041 | 3.35 | 0.0022 |
| Lowest | 16QAM | 1 | 99 | 1 | 0 | 6.29 | 0.0043 | 3.49 | 0.0022 |
| Middle | | 1 | 99 | 1 | 0 | 15.22 | 0.0333 | 12.42 | 0.0175 |
| Highest | | 1 | 99 | 1 | 0 | 6.81 | 0.0048 | 4.01 | 0.0025 |
| Lowest | 64QAM | 1 | 0 | 1 | 49 | 6.22 | 0.0042 | 3.42 | 0.0022 |
| Middle | | 1 | 0 | 1 | 49 | 14.89 | 0.0308 | 12.09 | 0.0162 |
| Highest | | 1 | 0 | 1 | 49 | 6.65 | 0.0046 | 3.85 | 0.0024 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |

| LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 50 | 0 | 100 | 0 | 6.22 | 0.0042 | 3.42 | 0.0022 |
| Middle | | 50 | 0 | 100 | 0 | 14.57 | 0.0286 | 11.77 | 0.0150 |
| Highest | | 50 | 0 | 100 | 0 | 6.29 | 0.0043 | 3.49 | 0.0022 |
| Lowest | 16QAM | 1 | 0 | 1 | 99 | 6.29 | 0.0043 | 3.49 | 0.0022 |
| Middle | | 1 | 0 | 1 | 99 | 15.15 | 0.0327 | 12.35 | 0.0172 |
| Highest | | 1 | 0 | 1 | 99 | 6.59 | 0.0046 | 3.79 | 0.0024 |
| Lowest | 64QAM | 1 | 0 | 1 | 99 | 6.06 | 0.0040 | 3.26 | 0.0021 |
| Middle | | 1 | 0 | 1 | 99 | 15.22 | 0.0333 | 12.42 | 0.0175 |
| Highest | | 1 | 0 | 1 | 99 | 6.52 | 0.0045 | 3.72 | 0.0024 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |

| LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|--|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 1 | 0 | 1 | 24 | 6.32 | 0.0043 | 3.52 | 0.0022 |
| Middle | | 1 | 0 | 1 | 24 | 14.78 | 0.0301 | 11.98 | 0.0158 |
| Highest | | 1 | 0 | 1 | 24 | 6.44 | 0.0044 | 3.64 | 0.0023 |
| Lowest | 16QAM | 1 | 0 | 1 | 24 | 6.31 | 0.0043 | 3.51 | 0.0022 |
| Middle | | 1 | 0 | 1 | 24 | 15.14 | 0.0327 | 12.34 | 0.0171 |
| Highest | | 1 | 0 | 1 | 24 | 6.83 | 0.0048 | 4.03 | 0.0025 |
| Lowest | 64QAM | 1 | 99 | 1 | 0 | 6.17 | 0.0041 | 3.37 | 0.0022 |
| Middle | | 1 | 99 | 1 | 0 | 15.11 | 0.0324 | 12.31 | 0.0170 |
| Highest | | 1 | 99 | 1 | 0 | 6.43 | 0.0044 | 3.63 | 0.0023 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |



| LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -2.8 dB) | | | | | | | | | |
|--|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 1 | 0 | 1 | 99 | 6.21 | 0.0042 | 3.41 | 0.0022 |
| Middle | | 1 | 0 | 1 | 99 | 14.88 | 0.0308 | 12.08 | 0.0161 |
| Highest | | 1 | 0 | 1 | 99 | 6.44 | 0.0044 | 3.64 | 0.0023 |
| Lowest | 16QAM | 1 | 0 | 1 | 99 | 6.58 | 0.0045 | 3.78 | 0.0024 |
| Middle | | 1 | 0 | 1 | 99 | 15.08 | 0.0322 | 12.28 | 0.0169 |
| Highest | | 1 | 0 | 1 | 99 | 6.90 | 0.0049 | 4.10 | 0.0026 |
| Lowest | 64QAM | 1 | 0 | 1 | 99 | 6.07 | 0.0040 | 3.27 | 0.0021 |
| Middle | | 1 | 0 | 1 | 99 | 15.15 | 0.0327 | 12.35 | 0.0172 |
| Highest | | 1 | 0 | 1 | 99 | 6.20 | 0.0042 | 3.40 | 0.0022 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |



<ASDIV Antenna>

| LTE Band 48 / 5MHz (Average) (GT - LC = -0.5 dB) | | | | | | | |
|--|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 20.70 | 0.1175 | 20.20 | 0.1047 |
| Middle | | 1 | 0 | 20.57 | 0.1140 | 20.07 | 0.1016 |
| Highest | | 1 | 0 | 20.34 | 0.1081 | 19.84 | 0.0964 |
| Lowest | 16QAM | 1 | 0 | 20.63 | 0.1156 | 20.13 | 0.1030 |
| Middle | | 1 | 0 | 20.41 | 0.1099 | 19.91 | 0.0979 |
| Highest | | 1 | 0 | 20.32 | 0.1076 | 19.82 | 0.0959 |
| Lowest | 64QAM | 1 | 0 | 19.28 | 0.0847 | 18.78 | 0.0755 |
| Middle | | 1 | 0 | 19.42 | 0.0875 | 18.92 | 0.0780 |
| Highest | | 1 | 0 | 18.98 | 0.0791 | 18.48 | 0.0705 |

| LTE Band 48 / 10MHz (Average) (GT - LC = -0.5 dB) | | | | | | | |
|---|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 20.67 | 0.1167 | 20.17 | 0.1040 |
| Middle | | 1 | 0 | 20.50 | 0.1122 | 20.00 | 0.1000 |
| Highest | | 1 | 0 | 20.32 | 0.1076 | 19.82 | 0.0959 |
| Lowest | 16QAM | 1 | 0 | 20.61 | 0.1151 | 20.11 | 0.1026 |
| Middle | | 1 | 0 | 20.65 | 0.1161 | 20.15 | 0.1035 |
| Highest | | 1 | 0 | 20.30 | 0.1072 | 19.80 | 0.0955 |
| Lowest | 64QAM | 1 | 0 | 19.32 | 0.0855 | 18.82 | 0.0762 |
| Middle | | 1 | 0 | 19.28 | 0.0847 | 18.78 | 0.0755 |
| Highest | | 1 | 0 | 19.03 | 0.0800 | 18.53 | 0.0713 |

| LTE Band 48 / 15MHz (Average) (GT - LC = -0.5 dB) | | | | | | | |
|---|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 20.72 | 0.1180 | 20.22 | 0.1052 |
| Middle | | 1 | 0 | 20.73 | 0.1183 | 20.23 | 0.1054 |
| Highest | | 1 | 0 | 20.34 | 0.1081 | 19.84 | 0.0964 |
| Lowest | 16QAM | 1 | 0 | 20.64 | 0.1159 | 20.14 | 0.1033 |
| Middle | | 1 | 0 | 20.43 | 0.1104 | 19.93 | 0.0984 |
| Highest | | 1 | 0 | 20.32 | 0.1076 | 19.82 | 0.0959 |
| Lowest | 64QAM | 1 | 0 | 19.36 | 0.0863 | 18.86 | 0.0769 |
| Middle | | 1 | 0 | 19.36 | 0.0863 | 18.86 | 0.0769 |
| Highest | | 1 | 0 | 19.06 | 0.0805 | 18.56 | 0.0718 |



| LTE Band 48 / 20MHz (Average) (GT - LC = -0.5 dB) | | | | | | | |
|---|-------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 20.81 | 0.1205 | 20.31 | 0.1074 |
| Middle | | 1 | 0 | 20.85 | 0.1216 | 20.35 | 0.1084 |
| Highest | | 1 | 0 | 20.73 | 0.1183 | 20.23 | 0.1054 |
| Lowest | 16QAM | 1 | 0 | 20.69 | 0.1172 | 20.19 | 0.1045 |
| Middle | | 1 | 0 | 20.67 | 0.1167 | 20.17 | 0.1040 |
| Highest | | 1 | 0 | 20.68 | 0.1169 | 20.18 | 0.1042 |
| Lowest | 64QAM | 1 | 0 | 19.42 | 0.0875 | 18.92 | 0.0780 |
| Middle | | 1 | 0 | 19.26 | 0.0843 | 18.76 | 0.0752 |
| Highest | | 1 | 0 | 19.41 | 0.0873 | 18.91 | 0.0778 |



EIRP

| LTE Band 48 / Conducted Power (dBm/10MHz) | | | | | | | | | |
|---|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | | 3MHz | | | 5MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | - | - | - | - | - | - | 20.70 | 20.63 | 19.28 |
| Middle CH | - | - | - | - | - | - | 20.57 | 20.41 | 19.42 |
| Highest CH | - | - | - | - | - | - | 20.34 | 20.32 | 18.98 |
| LTE Band 48 / Conducted Power (dBm/10MHz) | | | | | | | | | |
| BW | 10MHz | | | 15MHz | | | 20MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 20.67 | 20.61 | 19.32 | 20.72 | 20.64 | 19.36 | 20.81 | 20.69 | 19.42 |
| Middle CH | 20.50 | 20.65 | 19.28 | 20.73 | 20.43 | 19.36 | 20.85 | 20.67 | 19.26 |
| Highest CH | 20.32 | 20.30 | 19.03 | 20.34 | 20.32 | 19.06 | 20.73 | 20.68 | 19.41 |

| LTE Band 48 / EIRP Power (dBm/10MHz) | | | | | | | | | |
|--------------------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | | 3MHz | | | 5MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | - | - | - | - | - | - | 20.20 | 20.13 | 18.78 |
| Middle CH | - | - | - | - | - | - | 20.07 | 19.91 | 18.92 |
| Highest CH | - | - | - | - | - | - | 19.84 | 19.82 | 18.48 |
| LTE Band 48 / EIRP Power (dBm/10MHz) | | | | | | | | | |
| BW | 10MHz | | | 15MHz | | | 20MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 20.17 | 20.11 | 18.82 | 20.22 | 20.14 | 18.86 | 20.31 | 20.19 | 18.92 |
| Middle CH | 20.00 | 20.15 | 18.78 | 20.23 | 19.93 | 18.86 | 20.35 | 20.17 | 18.76 |
| Highest CH | 19.82 | 19.80 | 18.53 | 19.84 | 19.82 | 18.56 | 20.23 | 20.18 | 18.91 |
| Antenna Gain | -0.5 dBi | | | | | | | | |
| Limit | 23dBm / 10MHz | | | | | | | | |
| Result | PASS | | | | | | | | |



| LTE Band 48C_CA / 20 + 20 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 100 | 0 | 100 | 0 | 4.54 | 0.0028 | 4.04 | 0.0025 |
| Middle | | 100 | 0 | 100 | 0 | 13.23 | 0.0210 | 12.73 | 0.0187 |
| Highest | | 100 | 0 | 100 | 0 | 4.63 | 0.0029 | 4.13 | 0.0026 |
| Lowest | 16QAM | 1 | 0 | 1 | 99 | 4.89 | 0.0031 | 4.39 | 0.0027 |
| Middle | | 1 | 0 | 1 | 99 | 13.57 | 0.0228 | 13.07 | 0.0203 |
| Highest | | 1 | 0 | 1 | 99 | 5.22 | 0.0033 | 4.72 | 0.0030 |
| Lowest | 64QAM | 1 | 0 | 1 | 99 | 4.76 | 0.0030 | 4.26 | 0.0027 |
| Middle | | 1 | 0 | 1 | 99 | 13.32 | 0.0215 | 12.82 | 0.0191 |
| Highest | | 1 | 0 | 1 | 99 | 4.65 | 0.0029 | 4.15 | 0.0026 |
| Limit | EIRP < 0.2W | | | | Result | | PASS | | |

| LTE Band 48C_CA / 20 + 15 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 100 | 0 | 75 | 0 | 4.24 | 0.0027 | 3.74 | 0.0024 |
| Middle | | 100 | 0 | 75 | 0 | 13.15 | 0.0207 | 12.65 | 0.0184 |
| Highest | | 100 | 0 | 75 | 0 | 4.48 | 0.0028 | 3.98 | 0.0025 |
| Lowest | 16QAM | 1 | 0 | 1 | 74 | 4.82 | 0.0030 | 4.32 | 0.0027 |
| Middle | | 1 | 0 | 1 | 74 | 13.32 | 0.0215 | 12.82 | 0.0191 |
| Highest | | 1 | 0 | 1 | 74 | 5.47 | 0.0035 | 4.97 | 0.0031 |
| Lowest | 64QAM | 1 | 0 | 1 | 74 | 4.96 | 0.0031 | 4.46 | 0.0028 |
| Middle | | 1 | 0 | 1 | 74 | 13.10 | 0.0204 | 12.60 | 0.0182 |
| Highest | | 1 | 0 | 1 | 74 | 4.59 | 0.0029 | 4.09 | 0.0026 |
| Limit | EIRP < 0.2W | | | | Result | | PASS | | |

| LTE Band 48C_CA / 15 + 20 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 75 | 0 | 100 | 0 | 4.61 | 0.0029 | 4.11 | 0.0026 |
| Middle | | 75 | 0 | 100 | 0 | 13.51 | 0.0224 | 13.01 | 0.0200 |
| Highest | | 75 | 0 | 100 | 0 | 4.67 | 0.0029 | 4.17 | 0.0026 |
| Lowest | 16QAM | 1 | 74 | 1 | 0 | 4.48 | 0.0028 | 3.98 | 0.0025 |
| Middle | | 1 | 74 | 1 | 0 | 13.47 | 0.0222 | 12.97 | 0.0198 |
| Highest | | 1 | 74 | 1 | 0 | 4.82 | 0.0030 | 4.32 | 0.0027 |
| Lowest | 64QAM | 1 | 74 | 1 | 0 | 4.61 | 0.0029 | 4.11 | 0.0026 |
| Middle | | 1 | 74 | 1 | 0 | 13.46 | 0.0222 | 12.96 | 0.0198 |
| Highest | | 1 | 74 | 1 | 0 | 4.73 | 0.0030 | 4.23 | 0.0026 |
| Limit | EIRP < 0.2W | | | | Result | | PASS | | |



| LTE Band 48C_CA / 20 + 10 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 100 | 0 | 50 | 0 | 4.52 | 0.0028 | 4.02 | 0.0025 |
| Middle | | 100 | 0 | 50 | 0 | 13.39 | 0.0218 | 12.89 | 0.0195 |
| Highest | | 100 | 0 | 50 | 0 | 4.62 | 0.0029 | 4.12 | 0.0026 |
| Lowest | 16QAM | 1 | 0 | 1 | 49 | 5.18 | 0.0033 | 4.68 | 0.0029 |
| Middle | | 1 | 0 | 1 | 49 | 13.34 | 0.0216 | 12.84 | 0.0192 |
| Highest | | 1 | 0 | 1 | 49 | 4.93 | 0.0031 | 4.43 | 0.0028 |
| Lowest | 64QAM | 100 | 0 | 50 | 0 | 4.86 | 0.0031 | 4.36 | 0.0027 |
| Middle | | 100 | 0 | 50 | 0 | 13.48 | 0.0223 | 12.98 | 0.0199 |
| Highest | | 100 | 0 | 50 | 0 | 4.95 | 0.0031 | 4.45 | 0.0028 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |

| LTE Band 48C_CA / 10 + 20 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|---|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 50 | 0 | 100 | 0 | 4.61 | 0.0029 | 4.11 | 0.0026 |
| Middle | | 50 | 0 | 100 | 0 | 13.50 | 0.0224 | 13.00 | 0.0200 |
| Highest | | 50 | 0 | 100 | 0 | 4.39 | 0.0027 | 3.89 | 0.0024 |
| Lowest | 16QAM | 1 | 0 | 1 | 99 | 4.71 | 0.0030 | 4.21 | 0.0026 |
| Middle | | 1 | 0 | 1 | 99 | 13.47 | 0.0222 | 12.97 | 0.0198 |
| Highest | | 1 | 0 | 1 | 99 | 5.22 | 0.0033 | 4.72 | 0.0030 |
| Lowest | 64QAM | 50 | 0 | 100 | 0 | 4.44 | 0.0028 | 3.94 | 0.0025 |
| Middle | | 50 | 0 | 100 | 0 | 13.48 | 0.0223 | 12.98 | 0.0199 |
| Highest | | 50 | 0 | 100 | 0 | 4.56 | 0.0029 | 4.06 | 0.0025 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |

| LTE Band 48C_CA / 20 + 5 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|--|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| | | Size | Offset | Size | Offset | | | | |
| Lowest | QPSK | 100 | 0 | 25 | 0 | 4.33 | 0.0027 | 3.83 | 0.0024 |
| Middle | | 100 | 0 | 25 | 0 | 13.27 | 0.0212 | 12.77 | 0.0189 |
| Highest | | 100 | 0 | 25 | 0 | 4.50 | 0.0028 | 4.00 | 0.0025 |
| Lowest | 16QAM | 100 | 0 | 25 | 0 | 4.83 | 0.0030 | 4.33 | 0.0027 |
| Middle | | 100 | 0 | 25 | 0 | 13.38 | 0.0218 | 12.88 | 0.0194 |
| Highest | | 100 | 0 | 25 | 0 | 5.45 | 0.0035 | 4.95 | 0.0031 |
| Lowest | 64QAM | 1 | 0 | 1 | 24 | 4.42 | 0.0028 | 3.92 | 0.0025 |
| Middle | | 1 | 0 | 1 | 24 | 13.43 | 0.0220 | 12.93 | 0.0196 |
| Highest | | 1 | 0 | 1 | 24 | 4.75 | 0.0030 | 4.25 | 0.0027 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |



| LTE Band 48C_CA / 5 + 20 MHz (GT - LC = -0.5 dB) | | | | | | | | | |
|--|-------------|------|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | PCC | | SCC | | Conducted | | EIRP | |
| | | RB | | RB | | | | | |
| | | Size | Offset | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 25 | 0 | 100 | 0 | 4.56 | 0.0029 | 4.06 | 0.0025 |
| Middle | | 25 | 0 | 100 | 0 | 13.41 | 0.0219 | 12.91 | 0.0195 |
| Highest | | 25 | 0 | 100 | 0 | 4.77 | 0.0030 | 4.27 | 0.0027 |
| Lowest | 16QAM | 1 | 24 | 1 | 0 | 4.64 | 0.0029 | 4.14 | 0.0026 |
| Middle | | 1 | 24 | 1 | 0 | 13.54 | 0.0226 | 13.04 | 0.0201 |
| Highest | | 1 | 24 | 1 | 0 | 4.50 | 0.0028 | 4.00 | 0.0025 |
| Lowest | 64QAM | 25 | 0 | 100 | 0 | 4.54 | 0.0028 | 4.04 | 0.0025 |
| Middle | | 25 | 0 | 100 | 0 | 13.50 | 0.0224 | 13.00 | 0.0200 |
| Highest | | 25 | 0 | 100 | 0 | 4.62 | 0.0029 | 4.12 | 0.0026 |
| Limit | EIRP < 0.2W | | | | | Result | | PASS | |



Radiated Spurious Emission

<Primary Antenna>

<Ant. 7>

LTE Band 48

| LTE Band 48 / 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 | 7100 | -58.16 | -40 | -18.16 | -60.13 | -68.13 | 1.77 | 11.74 | H |
| | 10653 | -53.74 | -40 | -13.74 | -56.01 | -62.17 | 2.47 | 10.90 | H |
| | 14205 | -56.05 | -40 | -16.05 | -63.11 | -64.89 | 2.87 | 11.71 | H |
| | 21307 | -54.15 | -40 | -14.15 | -76.01 | -70.87 | 1.98 | 18.70 | H |
| | 24858 | -52.72 | -40 | -12.72 | -77.38 | -68.73 | 2.07 | 18.07 | H |
| | 28409 | -48.27 | -40 | -8.27 | -73.79 | -65.52 | 2.32 | 19.56 | H |
| | | | | | | | | | H |
| | 7100 | -58.03 | -40 | -18.03 | -59.61 | -68.00 | 1.77 | 11.74 | V |
| | 10653 | -53.33 | -40 | -13.33 | -55.35 | -61.76 | 2.47 | 10.90 | V |
| | 14205 | -56.23 | -40 | -16.23 | -63.01 | -65.07 | 2.87 | 11.71 | V |
| | 21307 | -53.69 | -40 | -13.69 | -75.41 | -70.41 | 1.98 | 18.70 | V |
| | 24858 | -50.38 | -40 | -10.38 | -76.25 | -66.39 | 2.07 | 18.07 | V |
| | 28409 | -46.76 | -40 | -6.76 | -74.1 | -64.01 | 2.32 | 19.56 | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Middle | 7230 | -57.35 | -40 | -17.35 | -59.72 | -67.04 | 1.84 | 11.53 | H |
| | 10848 | -51.49 | -40 | -11.49 | -53.82 | -59.82 | 2.57 | 10.90 | H |
| | 14462 | -56.76 | -40 | -16.76 | -64.03 | -65.00 | 2.85 | 11.09 | H |
| | 18080 | -52.51 | -40 | -12.51 | -70.62 | -68.74 | 1.76 | 17.98 | H |
| | 21697 | -54.61 | -40 | -14.61 | -76.13 | -71.40 | 1.99 | 18.78 | H |
| | 25313 | -52.21 | -40 | -12.21 | -77.37 | -68.81 | 2.14 | 18.74 | H |
| | 28929 | -46.97 | -40 | -6.97 | -72.23 | -63.70 | 2.36 | 19.09 | H |
| | 7230 | -57.27 | -40 | -17.27 | -59.38 | -66.96 | 1.84 | 11.53 | V |
| | 10848 | -53.71 | -40 | -13.71 | -55.83 | -62.04 | 2.57 | 10.90 | V |
| | 14462 | -57.65 | -40 | -17.65 | -64.1 | -65.89 | 2.85 | 11.09 | V |
| | 18080 | -54.67 | -40 | -14.67 | -71.85 | -70.90 | 1.76 | 17.98 | V |
| | 21697 | -54.18 | -40 | -14.18 | -75.69 | -70.97 | 1.99 | 18.78 | V |
| | 25313 | -46.18 | -40 | -6.18 | -72.6 | -62.78 | 2.14 | 18.74 | V |
| | 28929 | -43.08 | -40 | -3.08 | -69.93 | -59.81 | 2.36 | 19.09 | V |
| Highest | 7362 | -57.01 | -40 | -17.01 | -59.34 | -66.42 | 1.92 | 11.32 | H |
| | 11043 | -52.32 | -40 | -12.32 | -54.79 | -60.64 | 2.63 | 10.95 | H |
| | 14724 | -55.55 | -40 | -15.55 | -64.39 | -64.35 | 2.91 | 11.72 | H |
| | 18405 | -53.23 | -40 | -13.23 | -71.55 | -69.28 | 1.87 | 17.92 | H |
| | 22087 | -53.77 | -40 | -13.77 | -75.94 | -70.56 | 2.08 | 18.87 | H |
| | 25768 | -49.00 | -40 | -9.00 | -74.99 | -66.02 | 2.03 | 19.05 | H |
| | | | | | | | | | H |
| | 7362 | -57.17 | -40 | -17.17 | -59.32 | -66.58 | 1.92 | 11.32 | V |
| | 11043 | -53.81 | -40 | -13.81 | -56.12 | -62.13 | 2.63 | 10.95 | V |
| | 14724 | -57.64 | -40 | -17.64 | -64.81 | -66.44 | 2.91 | 11.72 | V |
| | 18405 | -55.72 | -40 | -15.72 | -73.16 | -71.77 | 1.87 | 17.92 | V |
| | 22087 | -53.38 | -40 | -13.38 | -75.55 | -70.17 | 2.08 | 18.87 | V |
| | 25768 | -47.25 | -40 | -7.25 | -74.43 | -64.27 | 2.03 | 19.05 | V |
| | | | | | | | | | V |

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



LTE Band 48C CA

| LTE Band 48C CA / 20MHz+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 | 7135 | -57.84 | -40 | -17.84 | -59.95 | -67.73 | 1.79 | 11.68 | H |
| | 10706 | -50.37 | -40 | -10.37 | -52.66 | -58.77 | 2.50 | 10.90 | H |
| | 14272 | -55.66 | -40 | -15.66 | -62.77 | -64.34 | 2.86 | 11.55 | H |
| | 21413 | -54.54 | -40 | -14.54 | -76.11 | -71.29 | 1.95 | 18.70 | H |
| | 24982 | -52.17 | -40 | -12.17 | -76.83 | -68.36 | 2.08 | 18.27 | H |
| | 28551 | -48.16 | -40 | -8.16 | -73.65 | -65.39 | 2.31 | 19.54 | H |
| | | | | | | | | | H |
| | 7135 | -58.58 | -40 | -18.58 | -60.34 | -68.47 | 1.79 | 11.68 | V |
| | 10706 | -52.16 | -40 | -12.16 | -54.21 | -60.56 | 2.50 | 10.90 | V |
| | 14272 | -56.18 | -40 | -16.18 | -62.87 | -64.86 | 2.86 | 11.55 | V |
| | 21413 | -54.76 | -40 | -14.76 | -76.26 | -71.51 | 1.95 | 18.70 | V |
| | 24982 | -51.14 | -40 | -11.14 | -76.95 | -67.33 | 2.08 | 18.27 | V |
| | 28551 | -49.57 | -40 | -9.57 | -76.93 | -66.80 | 2.31 | 19.54 | V |
| | | | | | | | | | V |
| Middle | 7250 | -55.51 | -40 | -15.51 | -57.87 | -65.16 | 1.86 | 11.50 | H |
| | 10872 | -46.85 | -40 | -6.85 | -49.18 | -55.17 | 2.58 | 10.90 | H |
| | 14498 | -57.16 | -40 | -17.16 | -64.46 | -65.31 | 2.85 | 11.00 | H |
| | 18120 | -51.91 | -40 | -11.91 | -70.04 | -68.12 | 1.77 | 17.98 | H |
| | 21744 | -54.95 | -40 | -14.95 | -76.52 | -71.74 | 2.01 | 18.80 | H |
| | 25368 | -48.84 | -40 | -8.84 | -74.09 | -65.51 | 2.15 | 18.82 | H |
| | 28992 | -55.98 | -40 | -15.98 | -64.96 | -72.00 | 2.63 | 18.65 | H |
| | 7250 | -58.00 | -40 | -18.00 | -60.11 | -67.65 | 1.86 | 11.50 | V |
| | 10872 | -51.53 | -40 | -11.53 | -53.66 | -59.85 | 2.58 | 10.90 | V |
| | 14498 | -57.48 | -40 | -17.48 | -63.88 | -65.63 | 2.85 | 11.00 | V |
| | 18120 | -52.60 | -40 | -12.60 | -69.81 | -68.81 | 1.77 | 17.98 | V |
| | 21744 | -55.27 | -40 | -15.27 | -76.83 | -72.06 | 2.01 | 18.80 | V |
| | 25368 | -48.69 | -40 | -8.69 | -75.22 | -65.36 | 2.15 | 18.82 | V |
| | 28992 | -44.24 | -40 | -4.24 | -71 | -60.88 | 2.37 | 19.01 | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7360 | -55.99 | -40 | -15.99 | -58.33 | -65.40 | 1.91 | 11.32 | H |
| | 11037 | -50.45 | -40 | -10.45 | -52.9 | -58.76 | 2.63 | 10.94 | H |
| | 14718 | -56.00 | -40 | -16.00 | -64.79 | -64.79 | 2.91 | 11.70 | H |
| | 18395 | -53.39 | -40 | -13.39 | -71.69 | -69.45 | 1.86 | 17.92 | H |
| | 22074 | -53.75 | -40 | -13.75 | -75.87 | -70.54 | 2.08 | 18.87 | H |
| | 25753 | -46.99 | -40 | -6.99 | -72.95 | -64.00 | 2.04 | 19.05 | H |
| | 29432 | -44.36 | -40 | -4.36 | -69.1 | -61.46 | 2.16 | 19.26 | H |
| | 7360 | -56.77 | -40 | -16.77 | -58.92 | -66.18 | 1.91 | 11.32 | H |
| | 11037 | -53.76 | -40 | -13.76 | -56.04 | -62.07 | 2.63 | 10.94 | H |
| | 14718 | -57.41 | -40 | -17.41 | -64.56 | -66.20 | 2.91 | 11.70 | V |
| | 18395 | -55.78 | -40 | -15.78 | -73.2 | -71.84 | 1.86 | 17.92 | V |
| | 22074 | -54.15 | -40 | -14.15 | -76.27 | -70.94 | 2.08 | 18.87 | V |
| | 25753 | -50.42 | -40 | -10.42 | -77.57 | -67.43 | 2.04 | 19.05 | V |
| | 29432 | -45.75 | -40 | -5.75 | -72.09 | -62.85 | 2.16 | 19.26 | V |
| | 7360 | -55.99 | -40 | -15.99 | -58.33 | -65.40 | 1.91 | 11.32 | V |
| | 11037 | -50.45 | -40 | -10.45 | -52.9 | -58.76 | 2.63 | 10.94 | V |
| | 14718 | -56.00 | -40 | -16.00 | -64.79 | -64.79 | 2.91 | 11.70 | V |
| | 18395 | -53.39 | -40 | -13.39 | -71.69 | -69.45 | 1.86 | 17.92 | V |

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



<ASDIV Antenna>

<Ant. 2>

LTE Band 48

| LTE Band 48 / 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 | 7100 | -43.34 | -40 | -3.34 | -45.31 | -53.31 | 1.77 | 11.74 | H |
| | 10655 | -55.57 | -40 | -15.57 | -57.85 | -64.00 | 2.47 | 10.90 | H |
| | 14205 | -55.88 | -40 | -15.88 | -62.94 | -64.72 | 2.87 | 11.71 | H |
| | 21306 | -54.93 | -40 | -14.93 | -76.79 | -71.65 | 1.98 | 18.70 | H |
| | 24857 | -53.37 | -40 | -13.37 | -78.03 | -69.38 | 2.07 | 18.07 | H |
| | 28408 | -49.31 | -40 | -9.31 | -74.83 | -66.55 | 2.32 | 19.56 | H |
| | | | | | | | | | H |
| | 7100 | -48.79 | -40 | -8.79 | -50.37 | -58.76 | 1.77 | 11.74 | V |
| | 10655 | -53.50 | -40 | -13.50 | -55.52 | -61.93 | 2.47 | 10.90 | V |
| | 14205 | -56.23 | -40 | -16.23 | -63.01 | -65.07 | 2.87 | 11.71 | V |
| | 21306 | -54.78 | -40 | -14.78 | -76.5 | -71.50 | 1.98 | 18.70 | V |
| | 24857 | -51.75 | -40 | -11.75 | -77.62 | -67.76 | 2.07 | 18.07 | V |
| | 28408 | -46.16 | -40 | -6.16 | -73.5 | -63.40 | 2.32 | 19.56 | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Middle | 7230 | -46.89 | -40 | -6.89 | -49.26 | -56.58 | 1.84 | 11.53 | H |
| | 10850 | -55.17 | -40 | -15.17 | -57.5 | -63.50 | 2.57 | 10.90 | H |
| | 14462 | -56.55 | -40 | -16.55 | -63.82 | -64.79 | 2.85 | 11.09 | H |
| | 18080 | -51.85 | -40 | -11.85 | -69.96 | -68.08 | 1.76 | 17.98 | H |
| | 21696 | -54.83 | -40 | -14.83 | -76.35 | -71.62 | 1.99 | 18.78 | H |
| | 25312 | -52.31 | -40 | -12.31 | -77.47 | -68.91 | 2.14 | 18.74 | H |
| | 28928 | -48.10 | -40 | -8.10 | -73.36 | -64.83 | 2.36 | 19.09 | H |
| | 7230 | -53.91 | -40 | -13.91 | -56.02 | -63.60 | 1.84 | 11.53 | V |
| | 10850 | -56.78 | -40 | -16.78 | -58.9 | -65.11 | 2.57 | 10.90 | V |
| | 14462 | -57.32 | -40 | -17.32 | -63.77 | -65.56 | 2.85 | 11.09 | V |
| | 18080 | -54.70 | -40 | -14.70 | -71.55 | -70.93 | 1.76 | 17.98 | V |
| | 21696 | -55.33 | -40 | -15.33 | -76.84 | -72.12 | 1.99 | 18.78 | V |
| | 25312 | -50.18 | -40 | -10.18 | -76.6 | -66.78 | 2.14 | 18.74 | V |
| | 28928 | -46.75 | -40 | -6.75 | -73.6 | -63.48 | 2.36 | 19.09 | V |
| Highest | 7360 | -48.17 | -40 | -8.17 | -50.51 | -57.58 | 1.91 | 11.32 | H |
| | 11045 | -52.28 | -40 | -12.28 | -54.76 | -60.60 | 2.63 | 10.95 | H |
| | 14724 | -56.30 | -40 | -16.30 | -65.14 | -65.10 | 2.91 | 11.72 | H |
| | 18045 | -50.58 | -40 | -10.58 | -68.9 | -66.83 | 1.75 | 17.99 | H |
| | 22086 | -53.98 | -40 | -13.98 | -76.15 | -70.77 | 2.08 | 18.87 | H |
| | 25767 | -51.71 | -40 | -11.71 | -77.7 | -68.73 | 2.03 | 19.05 | H |
| | | | | | | | | | H |
| | 7360 | -53.46 | -40 | -13.46 | -55.61 | -62.87 | 1.91 | 11.32 | V |
| | 11045 | -51.62 | -40 | -11.62 | -53.93 | -59.94 | 2.63 | 10.95 | V |
| | 14724 | -57.43 | -40 | -17.43 | -64.6 | -66.23 | 2.91 | 11.72 | V |
| | 18045 | -56.12 | -40 | -16.12 | -73.56 | -72.37 | 1.75 | 17.99 | V |
| | 22086 | -54.02 | -40 | -14.02 | -76.19 | -70.81 | 2.08 | 18.87 | V |
| | 25767 | -50.48 | -40 | -10.48 | -77.66 | -67.50 | 2.03 | 19.05 | V |
| | | | | | | | | | V |

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



LTE Band 48C CA

| LTE Band 48C CA / 20MHz+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 | 7135 | -57.57 | -40 | -17.57 | -59.68 | -67.46 | 1.79 | 11.68 | H |
| | 10705 | -57.93 | -40 | -17.93 | -60.22 | -66.33 | 2.50 | 10.90 | H |
| | 14724 | -55.93 | -40 | -15.93 | -64.77 | -64.73 | 2.91 | 11.72 | H |
| | 21413 | -54.83 | -40 | -14.83 | -76.4 | -71.58 | 1.95 | 18.70 | H |
| | 24982 | -52.59 | -40 | -12.59 | -77.25 | -68.78 | 2.08 | 18.27 | H |
| | 28551 | -51.53 | -40 | -11.53 | -77.02 | -68.76 | 2.31 | 19.54 | H |
| | | | | | | | | | H |
| | 7135 | -58.24 | -40 | -18.24 | -60 | -68.13 | 1.79 | 11.68 | V |
| | 10705 | -58.01 | -40 | -18.01 | -60.06 | -66.41 | 2.50 | 10.90 | V |
| | 14724 | -57.58 | -40 | -17.58 | -64.75 | -66.38 | 2.91 | 11.72 | V |
| | 21413 | -54.21 | -40 | -14.21 | -75.71 | -70.96 | 1.95 | 18.70 | V |
| | 24982 | -51.00 | -40 | -11.00 | -76.81 | -67.19 | 2.08 | 18.27 | V |
| | 28551 | -49.32 | -40 | -9.32 | -76.68 | -66.55 | 2.31 | 19.54 | V |
| | | | | | | | | | V |
| Middle | 7250 | -57.93 | -40 | -17.93 | -60.29 | -67.58 | 1.86 | 11.50 | H |
| | 10870 | -58.30 | -40 | -18.30 | -60.63 | -66.62 | 2.58 | 10.90 | H |
| | 14498 | -57.08 | -40 | -17.08 | -64.38 | -65.23 | 2.85 | 11.00 | H |
| | 18120 | -53.97 | -40 | -13.97 | -72.1 | -70.18 | 1.77 | 17.98 | H |
| | 21744 | -55.50 | -40 | -15.50 | -77.07 | -72.29 | 2.01 | 18.80 | H |
| | 25368 | -52.22 | -40 | -12.22 | -77.47 | -68.89 | 2.15 | 18.82 | H |
| | | | | | | | | | H |
| | 7250 | -58.26 | -40 | -18.26 | -60.37 | -67.91 | 1.86 | 11.50 | V |
| | 10870 | -58.35 | -40 | -18.35 | -60.48 | -66.67 | 2.58 | 10.90 | V |
| | 14498 | -58.02 | -40 | -18.02 | -64.42 | -66.17 | 2.85 | 11.00 | V |
| | 18120 | -54.77 | -40 | -14.77 | -71.98 | -70.98 | 1.77 | 17.98 | V |
| | 21744 | -55.23 | -40 | -15.23 | -76.79 | -72.02 | 2.01 | 18.80 | V |
| | 25368 | -50.74 | -40 | -10.74 | -77.27 | -67.41 | 2.15 | 18.82 | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7360 | -58.02 | -40 | -18.02 | -60.36 | -67.43 | 1.91 | 11.32 | H |
| | 11035 | -58.69 | -40 | -18.69 | -61.14 | -67.00 | 2.64 | 10.94 | H |
| | 14718 | -55.70 | -40 | -15.70 | -64.49 | -64.49 | 2.91 | 11.70 | H |
| | 18395 | -55.42 | -40 | -15.42 | -73.72 | -71.48 | 1.86 | 17.92 | H |
| | 22074 | -54.24 | -40 | -14.24 | -76.36 | -71.03 | 2.08 | 18.87 | H |
| | 25753 | -51.54 | -40 | -11.54 | -77.5 | -68.55 | 2.04 | 19.05 | H |
| | | | | | | | | | H |
| | 7360 | -58.33 | -40 | -18.33 | -60.48 | -67.74 | 1.91 | 11.32 | V |
| | 11035 | -58.73 | -40 | -18.73 | -61.01 | -67.04 | 2.64 | 10.94 | V |
| | 14718 | -57.17 | -40 | -17.17 | -64.32 | -65.96 | 2.91 | 11.70 | V |
| | 18395 | -55.90 | -40 | -15.90 | -73.32 | -71.96 | 1.86 | 17.92 | V |
| | 22074 | -53.76 | -40 | -13.76 | -75.88 | -70.55 | 2.08 | 18.87 | V |
| | 25753 | -50.10 | -40 | -10.10 | -77.25 | -67.11 | 2.04 | 19.05 | V |
| | | | | | | | | | V |

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

————THE END————