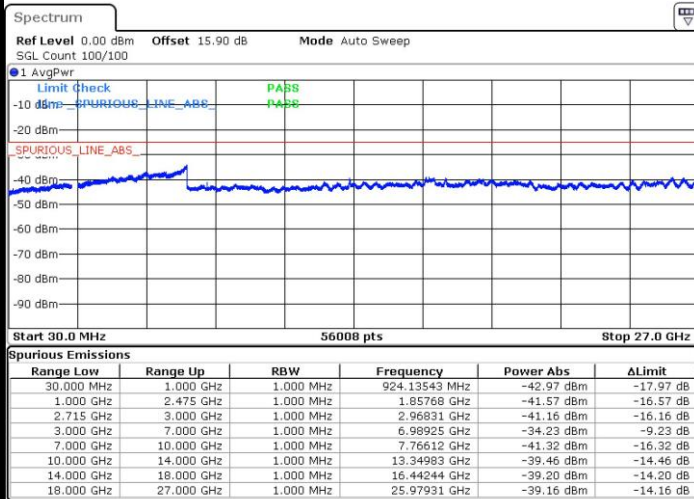




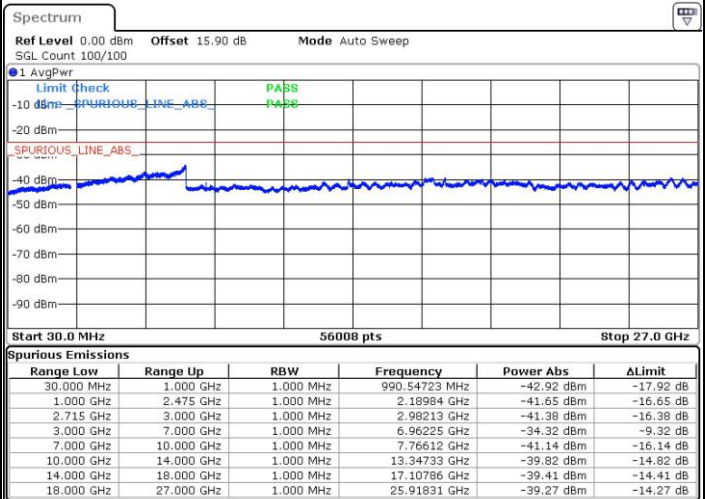
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



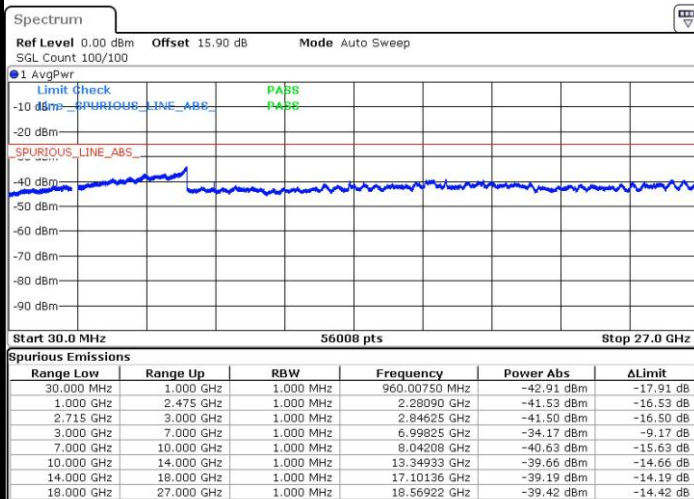
Date: 12.JUN.2019 01:14:21

## Middle Channel / 16QAM



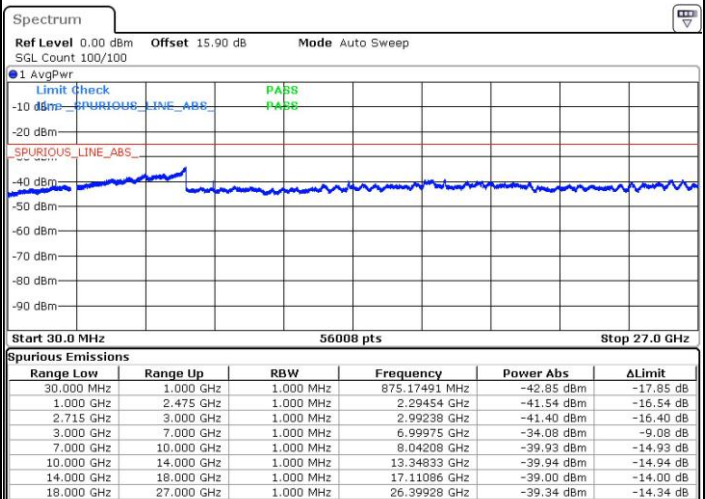
Date: 12.JUN.2019 01:15:24

## Highest Channel / QPSK



Date: 12.JUN.2019 01:16:28

## Highest Channel / 16QAM

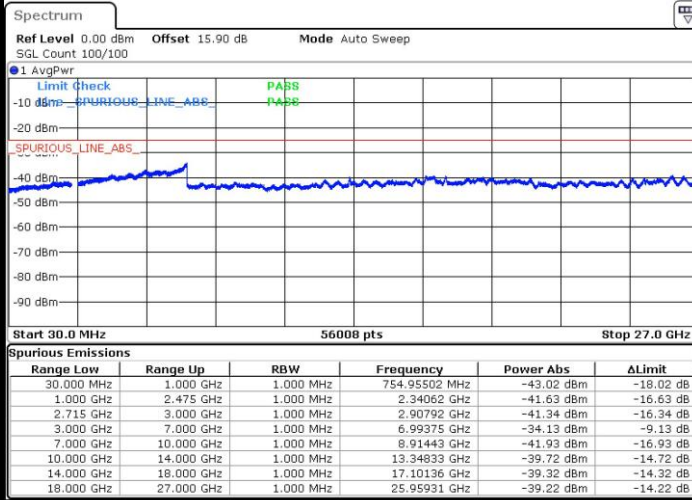


Date: 12.JUN.2019 01:17:32



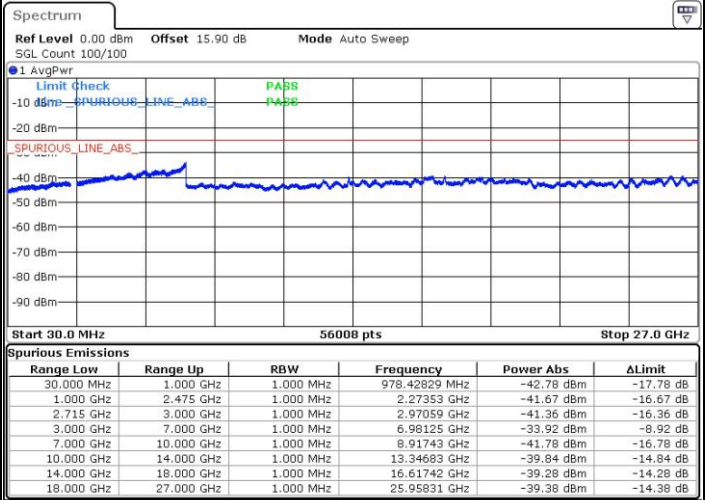
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



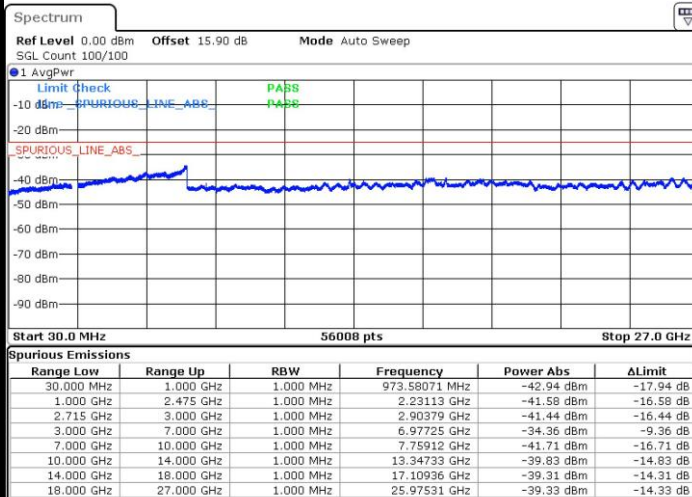
Date: 12.JUN.2019 01:18:37

## Lowest Channel / 16QAM



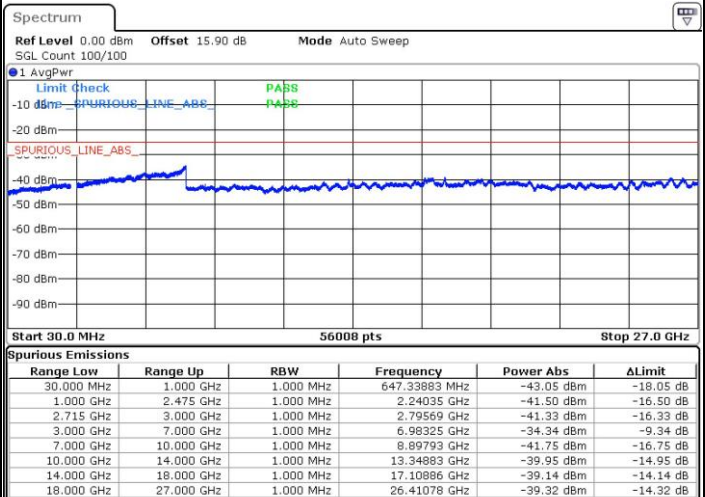
Date: 12.JUN.2019 01:19:41

## Middle Channel / QPSK



Date: 12.JUN.2019 01:20:44

## Middle Channel / 16QAM

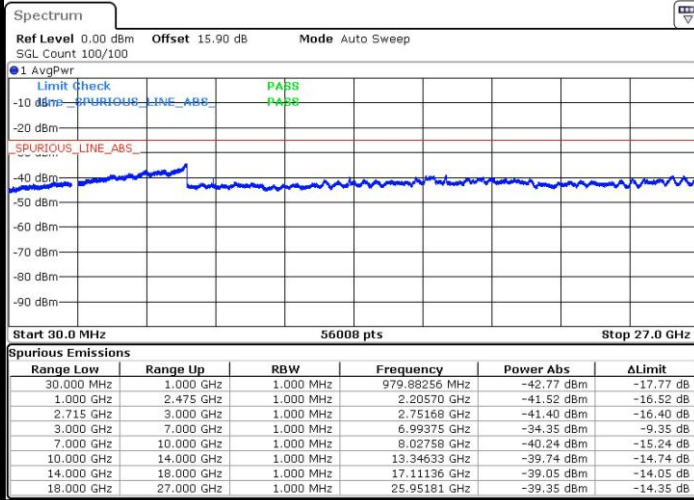


Date: 12.JUN.2019 01:21:48



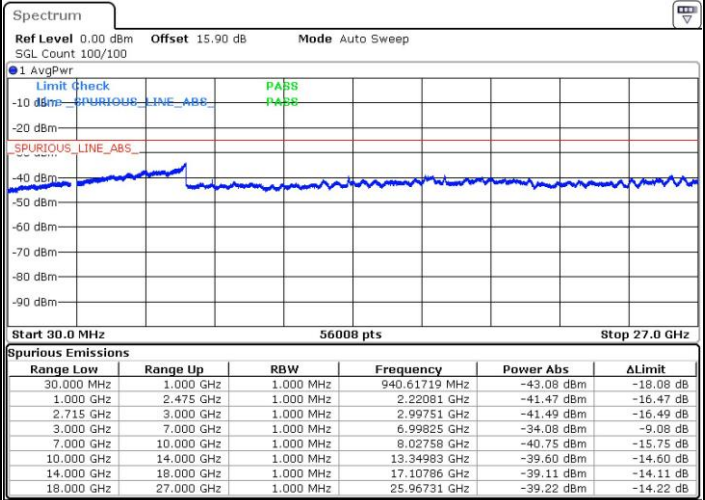
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 12.JUN.2019 01:22:52

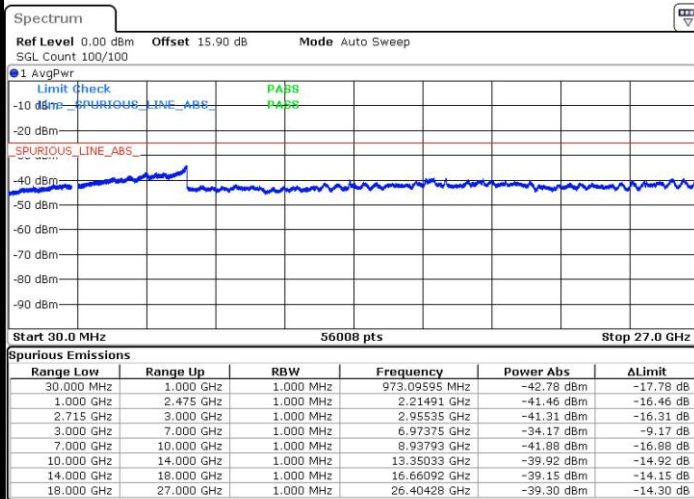
## Highest Channel / 16QAM



Date: 12.JUN.2019 01:23:56

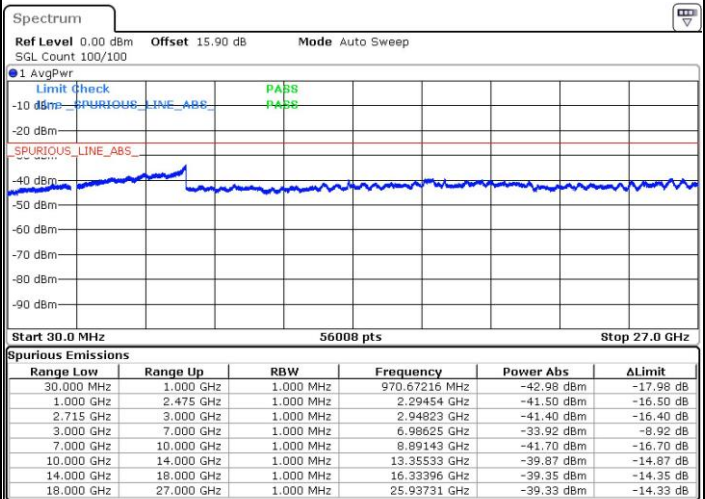
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 12.JUN.2019 01:25:01

## Lowest Channel / 16QAM

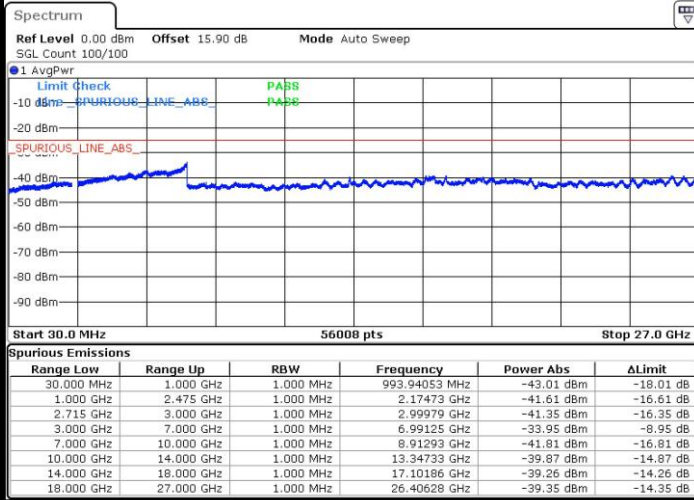


Date: 12.JUN.2019 01:26:05



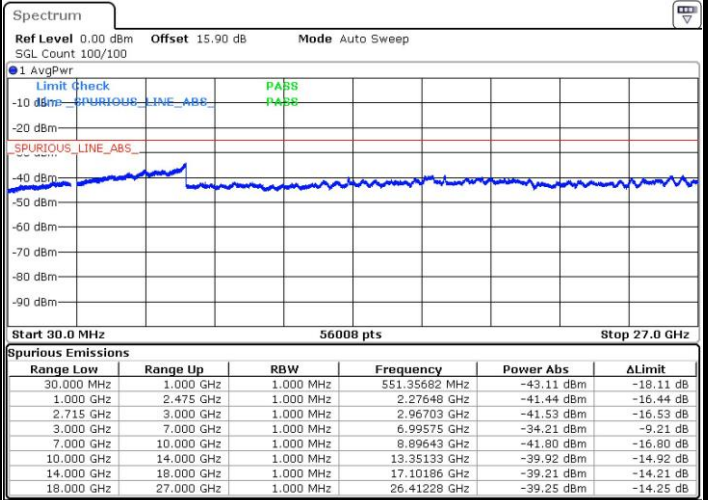
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



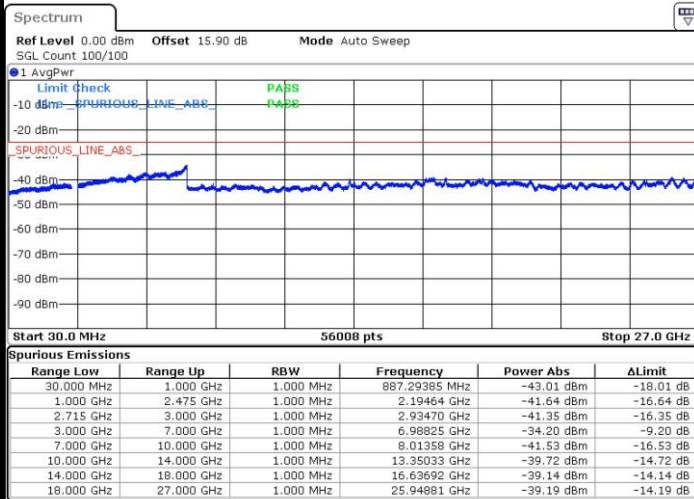
Date: 12.JUN.2019 01:27:09

## Middle Channel / 16QAM



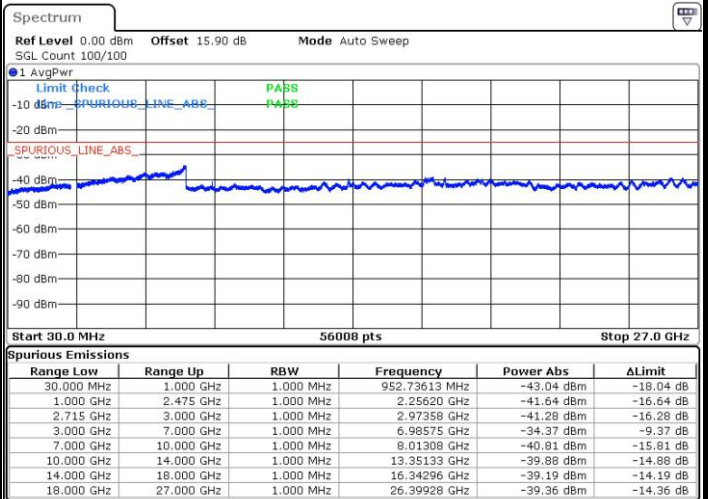
Date: 12.JUN.2019 01:28:12

## Highest Channel / QPSK



Date: 12.JUN.2019 01:29:16

## Highest Channel / 16QAM

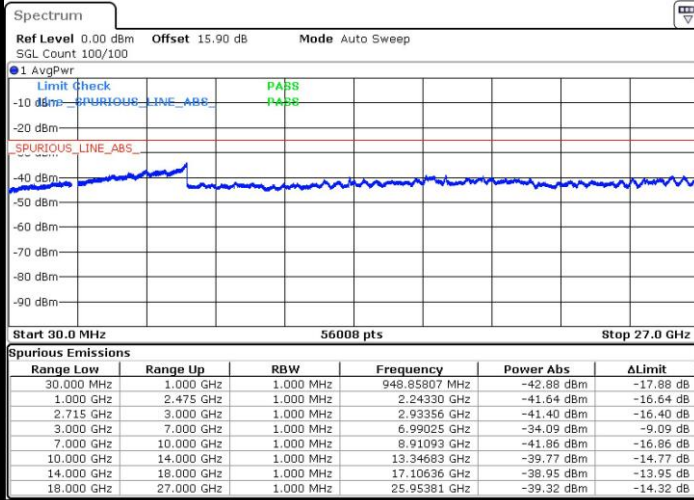


Date: 12.JUN.2019 01:30:20



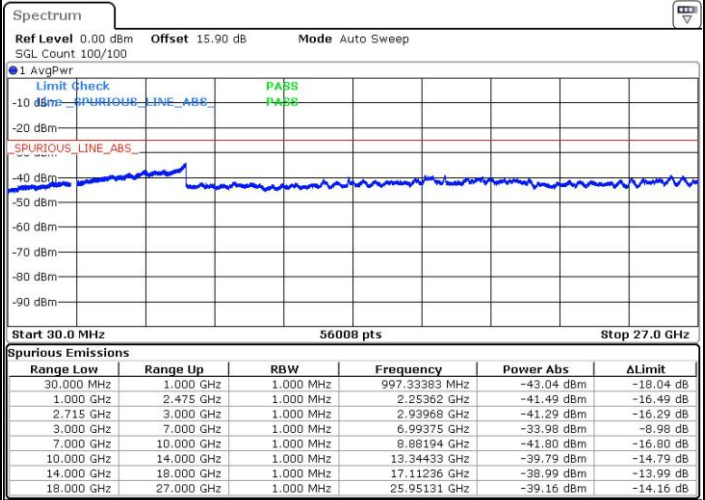
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



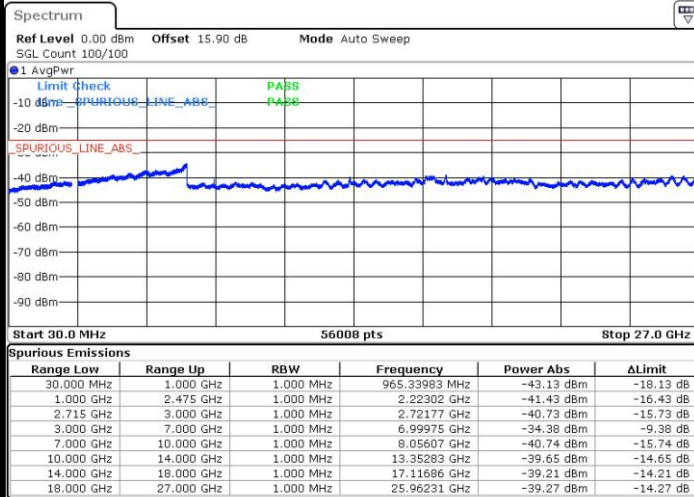
Date: 12.JUN.2019 00:53:00

## Middle Channel / 64QAM



Date: 12.JUN.2019 00:54:03

## Highest Channel / 64QAM

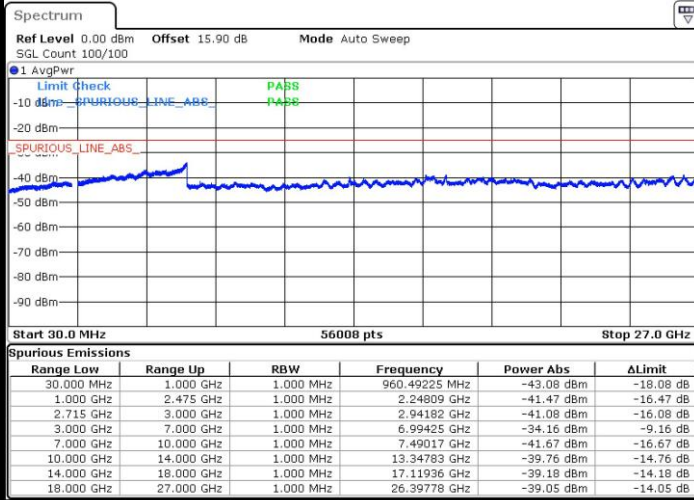


Date: 12.JUN.2019 00:55:07



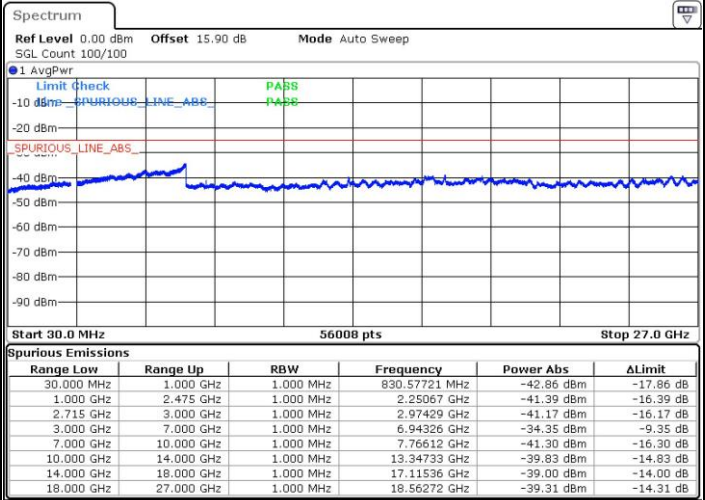
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



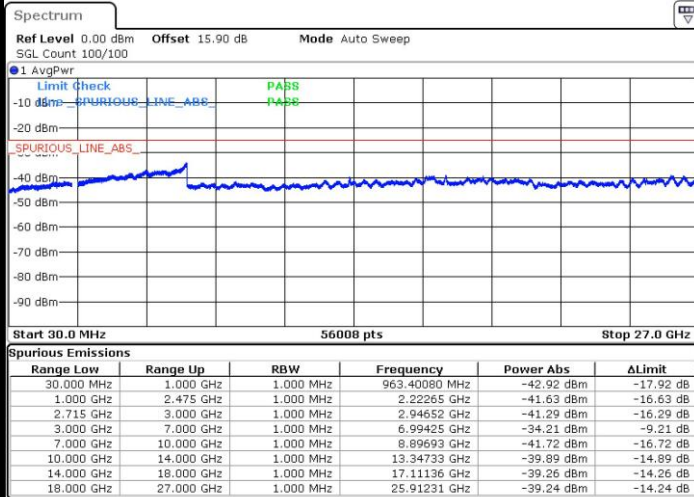
Date: 12.JUN.2019 00:56:11

## Middle Channel / 64QAM



Date: 12.JUN.2019 00:57:15

## Highest Channel / 64QAM

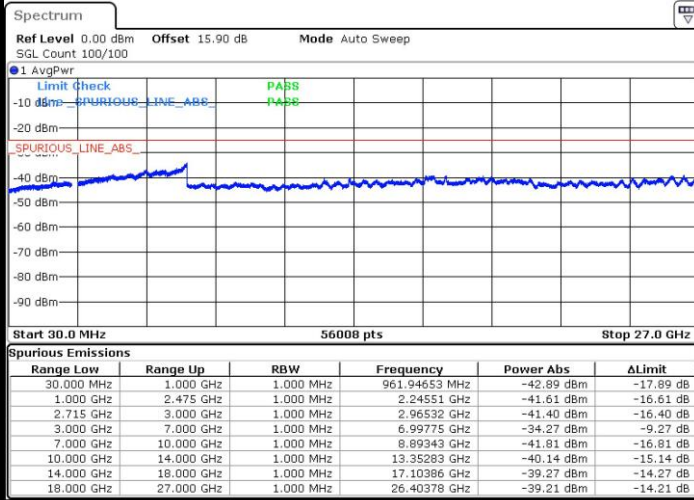


Date: 12.JUN.2019 00:58:18



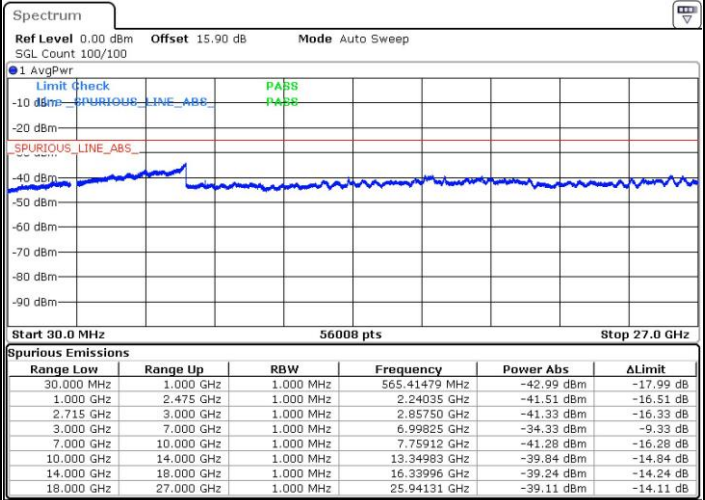
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



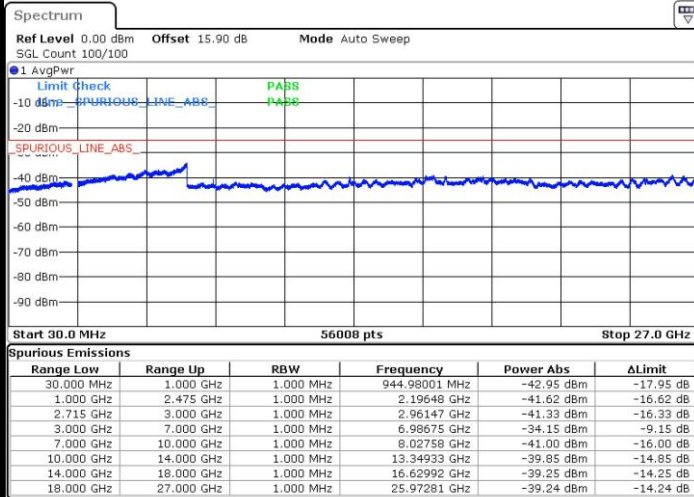
Date: 12.JUN.2019 00:59:22

## Middle Channel / 64QAM



Date: 12.JUN.2019 01:00:26

## Highest Channel / 64QAM

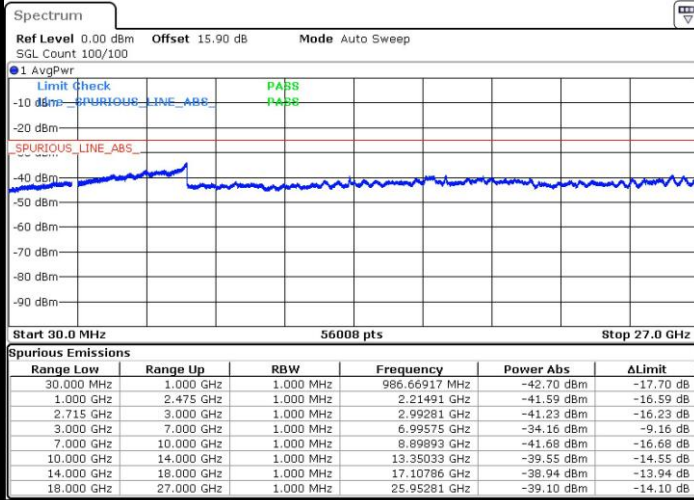


Date: 12.JUN.2019 01:01:30



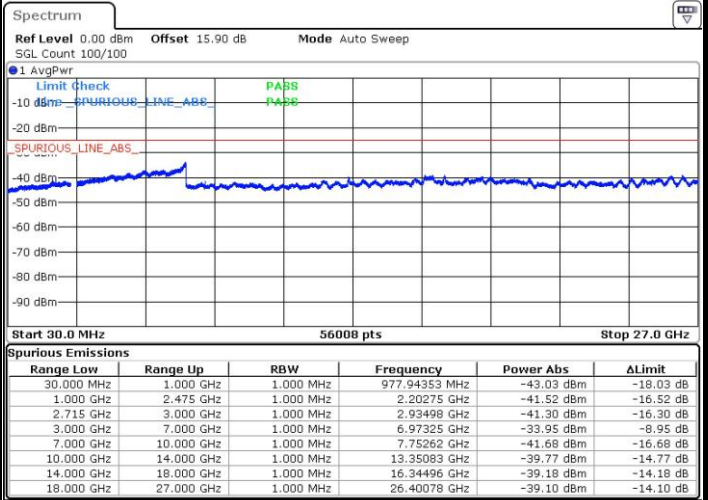
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



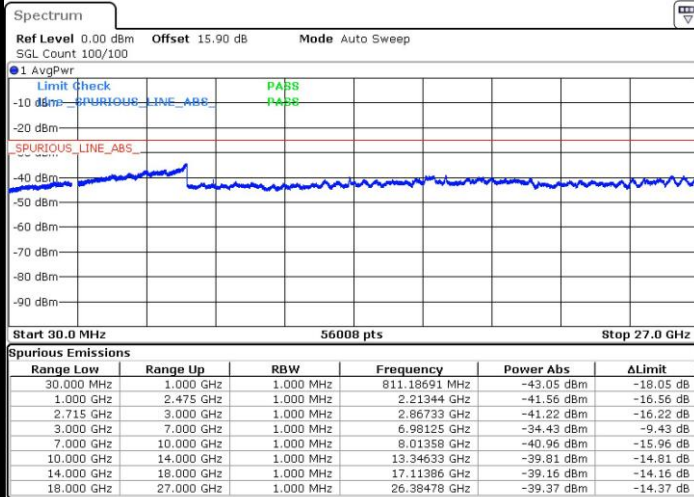
Date: 12.JUN.2019 01:02:35

## Middle Channel / 64QAM



Date: 12.JUN.2019 01:03:38

## Highest Channel / 64QAM



Date: 12.JUN.2019 01:04:42

## Frequency Stability

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0012                              | PASS    |
| 40               | Normal Voltage    | 0.0005                              |         |
| 30               | Normal Voltage    | 0.0005                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0018                              |         |
| 0                | Normal Voltage    | 0.0058                              |         |
| -10              | Normal Voltage    | 0.0006                              |         |
| -20              | Normal Voltage    | 0.0023                              |         |
| -30              | Normal Voltage    | 0.0015                              |         |
| 20               | Maximum Voltage   | 0.0020                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0023                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 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 4 / 1.4MHz (Average) (GT - LC = -3.8 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 3    | 1      | 19.58       | 0.0908        | 15.78     | 0.0378  |
| Middle                                            |           | 3    | 1      | 19.44       | 0.0879        | 15.64     | 0.0366  |
| Highest                                           |           | 3    | 1      | 19.44       | 0.0879        | 15.64     | 0.0366  |
| Lowest                                            | 16QAM     | 1    | 3      | 19.65       | 0.0923        | 15.85     | 0.0385  |
| Middle                                            |           | 1    | 3      | 19.54       | 0.0899        | 15.74     | 0.0375  |
| Highest                                           |           | 1    | 3      | 19.56       | 0.0904        | 15.76     | 0.0377  |
| Lowest                                            | 64QAM     | 1    | 3      | 19.56       | 0.0904        | 15.76     | 0.0377  |
| Middle                                            |           | 1    | 3      | 19.36       | 0.0863        | 15.56     | 0.0360  |
| Highest                                           |           | 1    | 3      | 19.38       | 0.0867        | 15.58     | 0.0361  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 3MHz (Average) (GT - LC = -3.8 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 8    | 0      | 19.62       | 0.0916        | 15.82     | 0.0382  |
| Middle                                          |           | 8    | 0      | 19.48       | 0.0887        | 15.68     | 0.0370  |
| Highest                                         |           | 8    | 0      | 19.40       | 0.0871        | 15.60     | 0.0363  |
| Lowest                                          | 16QAM     | 1    | 8      | 19.61       | 0.0914        | 15.81     | 0.0381  |
| Middle                                          |           | 1    | 8      | 19.54       | 0.0899        | 15.74     | 0.0375  |
| Highest                                         |           | 1    | 8      | 19.56       | 0.0904        | 15.76     | 0.0377  |
| Lowest                                          | 64QAM     | 1    | 8      | 19.57       | 0.0906        | 15.77     | 0.0378  |
| Middle                                          |           | 1    | 8      | 19.37       | 0.0865        | 15.57     | 0.0361  |
| Highest                                         |           | 1    | 8      | 19.39       | 0.0869        | 15.59     | 0.0362  |
| Limit                                           | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 5MHz (Average) (GT - LC = -3.8 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 24     | 19.66       | 0.0925        | 15.86     | 0.0385  |
| Middle                                          |           | 1    | 24     | 19.42       | 0.0875        | 15.62     | 0.0365  |
| Highest                                         |           | 1    | 24     | 19.43       | 0.0877        | 15.63     | 0.0366  |
| Lowest                                          | 16QAM     | 1    | 0      | 19.77       | 0.0948        | 15.97     | 0.0395  |
| Middle                                          |           | 1    | 0      | 19.61       | 0.0914        | 15.81     | 0.0381  |
| Highest                                         |           | 1    | 0      | 19.57       | 0.0906        | 15.77     | 0.0378  |
| Lowest                                          | 64QAM     | 1    | 24     | 19.64       | 0.0920        | 15.84     | 0.0384  |
| Middle                                          |           | 1    | 24     | 19.37       | 0.0865        | 15.57     | 0.0361  |
| Highest                                         |           | 1    | 24     | 19.39       | 0.0869        | 15.59     | 0.0362  |
| Limit                                           | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 10MHz (Average) (GT - LC = -3.8 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 19.70       | 0.0933        | 15.90     | 0.0389  |
| Middle                                           |           | 1    | 0      | 19.60       | 0.0912        | 15.80     | 0.0380  |
| Highest                                          |           | 1    | 0      | 19.49       | 0.0889        | 15.69     | 0.0371  |
| Lowest                                           | 16QAM     | 1    | 0      | 19.80       | 0.0955        | 16.00     | 0.0398  |
| Middle                                           |           | 1    | 0      | 19.64       | 0.0920        | 15.84     | 0.0384  |
| Highest                                          |           | 1    | 0      | 19.64       | 0.0920        | 15.84     | 0.0384  |
| Lowest                                           | 64QAM     | 1    | 0      | 19.68       | 0.0929        | 15.88     | 0.0387  |
| Middle                                           |           | 1    | 0      | 19.56       | 0.0904        | 15.76     | 0.0377  |
| Highest                                          |           | 1    | 0      | 19.42       | 0.0875        | 15.62     | 0.0365  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 15MHz (Average) (GT - LC = -3.8 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 19.73       | 0.0940        | 15.93     | 0.0392  |
| Middle                                           |           | 1    | 0      | 19.66       | 0.0925        | 15.86     | 0.0385  |
| Highest                                          |           | 1    | 0      | 19.57       | 0.0906        | 15.77     | 0.0378  |
| Lowest                                           | 16QAM     | 1    | 0      | 19.80       | 0.0955        | 16.00     | 0.0398  |
| Middle                                           |           | 1    | 0      | 19.74       | 0.0942        | 15.94     | 0.0393  |
| Highest                                          |           | 1    | 0      | 19.69       | 0.0931        | 15.89     | 0.0388  |
| Lowest                                           | 64QAM     | 1    | 0      | 19.75       | 0.0944        | 15.95     | 0.0394  |
| Middle                                           |           | 1    | 0      | 19.65       | 0.0923        | 15.85     | 0.0385  |
| Highest                                          |           | 1    | 0      | 19.52       | 0.0895        | 15.72     | 0.0373  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 20MHz (Average) (GT - LC = -3.8 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 19.82       | 0.0959        | 16.02     | 0.0400  |
| Middle                                           |           | 1    | 0      | 19.68       | 0.0929        | 15.88     | 0.0387  |
| Highest                                          |           | 1    | 0      | 19.62       | 0.0916        | 15.82     | 0.0382  |
| Lowest                                           | 16QAM     | 1    | 0      | 19.81       | 0.0957        | 16.01     | 0.0399  |
| Middle                                           |           | 1    | 0      | 19.73       | 0.0940        | 15.93     | 0.0392  |
| Highest                                          |           | 1    | 0      | 19.73       | 0.0940        | 15.93     | 0.0392  |
| Lowest                                           | 64QAM     | 1    | 0      | 19.76       | 0.0946        | 15.96     | 0.0394  |
| Middle                                           |           | 1    | 0      | 19.65       | 0.0923        | 15.85     | 0.0385  |
| Highest                                          |           | 1    | 0      | 19.54       | 0.0899        | 15.74     | 0.0375  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 5 / 1.4MHz (Average) (GT - LC = -4.8 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 3      | 22.45       | 0.1758        | 15.50    | 0.0355 |
| Middle                                            |          | 1    | 3      | 22.30       | 0.1698        | 15.35    | 0.0343 |
| Highest                                           |          | 1    | 3      | 22.35       | 0.1718        | 15.40    | 0.0347 |
| Lowest                                            | 16QAM    | 1    | 3      | 22.54       | 0.1795        | 15.59    | 0.0362 |
| Middle                                            |          | 1    | 3      | 22.43       | 0.1750        | 15.48    | 0.0353 |
| Highest                                           |          | 1    | 3      | 22.46       | 0.1762        | 15.51    | 0.0356 |
| Lowest                                            | 64QAM    | 1    | 3      | 21.71       | 0.1483        | 14.76    | 0.0299 |
| Middle                                            |          | 1    | 3      | 21.56       | 0.1432        | 14.61    | 0.0289 |
| Highest                                           |          | 1    | 3      | 21.58       | 0.1439        | 14.63    | 0.0290 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 3MHz (Average) (GT - LC = -4.8 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 8    | 4      | 22.55       | 0.1799        | 15.60    | 0.0363 |
| Middle                                          |          | 8    | 4      | 22.38       | 0.1730        | 15.43    | 0.0349 |
| Highest                                         |          | 8    | 4      | 22.44       | 0.1754        | 15.49    | 0.0354 |
| Lowest                                          | 16QAM    | 1    | 0      | 22.53       | 0.1791        | 15.58    | 0.0361 |
| Middle                                          |          | 1    | 0      | 22.45       | 0.1758        | 15.50    | 0.0355 |
| Highest                                         |          | 1    | 0      | 22.37       | 0.1726        | 15.42    | 0.0348 |
| Lowest                                          | 64QAM    | 1    | 0      | 21.70       | 0.1479        | 14.75    | 0.0299 |
| Middle                                          |          | 1    | 0      | 21.58       | 0.1439        | 14.63    | 0.0290 |
| Highest                                         |          | 1    | 0      | 21.49       | 0.1409        | 14.54    | 0.0284 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 5MHz (Average) (GT - LC = -4.8 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 12   | 7      | 22.54       | 0.1795        | 15.59    | 0.0362 |
| Middle                                          |          | 12   | 7      | 22.38       | 0.1730        | 15.43    | 0.0349 |
| Highest                                         |          | 12   | 7      | 22.32       | 0.1706        | 15.37    | 0.0344 |
| Lowest                                          | 16QAM    | 1    | 0      | 22.52       | 0.1786        | 15.57    | 0.0361 |
| Middle                                          |          | 1    | 0      | 22.46       | 0.1762        | 15.51    | 0.0356 |
| Highest                                         |          | 1    | 0      | 22.41       | 0.1742        | 15.46    | 0.0352 |
| Lowest                                          | 64QAM    | 1    | 0      | 21.69       | 0.1476        | 14.74    | 0.0298 |
| Middle                                          |          | 1    | 0      | 21.59       | 0.1442        | 14.64    | 0.0291 |
| Highest                                         |          | 1    | 0      | 21.52       | 0.1419        | 14.57    | 0.0286 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 5 / 10MHz (Average) (GT - LC = -4.8 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 25   | 12     | 22.56       | 0.1803        | 15.61    | 0.0364 |
| Middle                                           |          | 25   | 12     | 22.42       | 0.1746        | 15.47    | 0.0352 |
| Highest                                          |          | 25   | 12     | 22.33       | 0.1710        | 15.38    | 0.0345 |
| Lowest                                           | 16QAM    | 1    | 0      | 22.55       | 0.1799        | 15.60    | 0.0363 |
| Middle                                           |          | 1    | 0      | 22.55       | 0.1799        | 15.60    | 0.0363 |
| Highest                                          |          | 1    | 0      | 22.54       | 0.1795        | 15.59    | 0.0362 |
| Lowest                                           | 64QAM    | 1    | 0      | 21.75       | 0.1496        | 14.80    | 0.0302 |
| Middle                                           |          | 1    | 0      | 21.63       | 0.1455        | 14.68    | 0.0294 |
| Highest                                          |          | 1    | 0      | 21.63       | 0.1455        | 14.68    | 0.0294 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 17 / 5MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                        | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                         | QPSK     | 12   | 7      | 22.56       | 0.1803        | 16.41    | 0.0438 |
| Middle                                         |          | 12   | 7      | 22.59       | 0.1816        | 16.44    | 0.0441 |
| Highest                                        |          | 12   | 7      | 22.57       | 0.1807        | 16.42    | 0.0439 |
| Lowest                                         | 16QAM    | 1    | 12     | 22.55       | 0.1799        | 16.40    | 0.0437 |
| Middle                                         |          | 1    | 12     | 22.62       | 0.1828        | 16.47    | 0.0444 |
| Highest                                        |          | 1    | 12     | 22.59       | 0.1816        | 16.44    | 0.0441 |
| Lowest                                         | 64QAM    | 1    | 24     | 21.66       | 0.1466        | 15.51    | 0.0356 |
| Middle                                         |          | 1    | 24     | 21.71       | 0.1483        | 15.56    | 0.0360 |
| Highest                                        |          | 1    | 24     | 21.77       | 0.1503        | 15.62    | 0.0365 |
| Limit                                          | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 17 / 10MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 25   | 12     | 22.66       | 0.1845        | 16.51    | 0.0448 |
| Middle                                          |          | 25   | 12     | 22.62       | 0.1828        | 16.47    | 0.0444 |
| Highest                                         |          | 25   | 12     | 22.58       | 0.1811        | 16.43    | 0.0440 |
| Lowest                                          | 16QAM    | 1    | 49     | 22.64       | 0.1837        | 16.49    | 0.0446 |
| Middle                                          |          | 1    | 49     | 22.63       | 0.1832        | 16.48    | 0.0445 |
| Highest                                         |          | 1    | 49     | 22.61       | 0.1824        | 16.46    | 0.0443 |
| Lowest                                          | 64QAM    | 1    | 49     | 21.76       | 0.1500        | 15.61    | 0.0364 |
| Middle                                          |          | 1    | 49     | 21.75       | 0.1496        | 15.60    | 0.0363 |
| Highest                                         |          | 1    | 49     | 21.81       | 0.1517        | 15.66    | 0.0368 |
| Limit                                           | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 41 / 5MHz (Average) (GT - LC = -4.1 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 12   | 0      | 21.41       | 0.1384        | 17.31     | 0.0538  |
| Middle                                           |           | 12   | 0      | 21.59       | 0.1442        | 17.49     | 0.0561  |
| Highest                                          |           | 12   | 0      | 21.36       | 0.1368        | 17.26     | 0.0532  |
| Lowest                                           | 16QAM     | 1    | 12     | 21.29       | 0.1346        | 17.19     | 0.0524  |
| Middle                                           |           | 1    | 12     | 21.54       | 0.1426        | 17.44     | 0.0555  |
| Highest                                          |           | 1    | 12     | 21.28       | 0.1343        | 17.18     | 0.0522  |
| Lowest                                           | 64QAM     | 12   | 7      | 19.84       | 0.0964        | 15.74     | 0.0375  |
| Middle                                           |           | 12   | 7      | 21.20       | 0.1318        | 17.10     | 0.0513  |
| Highest                                          |           | 12   | 7      | 19.81       | 0.0957        | 15.71     | 0.0372  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 41 / 10MHz (Average) (GT - LC = -4.1 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 25   | 0      | 21.56       | 0.1432        | 17.46     | 0.0557  |
| Middle                                            |           | 25   | 0      | 21.62       | 0.1452        | 17.52     | 0.0565  |
| Highest                                           |           | 25   | 0      | 21.39       | 0.1377        | 17.29     | 0.0536  |
| Lowest                                            | 16QAM     | 1    | 0      | 21.35       | 0.1365        | 17.25     | 0.0531  |
| Middle                                            |           | 1    | 0      | 21.56       | 0.1432        | 17.46     | 0.0557  |
| Highest                                           |           | 1    | 0      | 21.33       | 0.1358        | 17.23     | 0.0528  |
| Lowest                                            | 64QAM     | 25   | 0      | 19.92       | 0.0982        | 15.82     | 0.0382  |
| Middle                                            |           | 25   | 0      | 21.24       | 0.1330        | 17.14     | 0.0518  |
| Highest                                           |           | 25   | 0      | 19.86       | 0.0968        | 15.76     | 0.0377  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 41 / 15MHz (Average) (GT - LC = -4.1 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 21.45       | 0.1396        | 17.35     | 0.0543  |
| Middle                                            |           | 1    | 0      | 21.67       | 0.1469        | 17.57     | 0.0571  |
| Highest                                           |           | 1    | 0      | 21.38       | 0.1374        | 17.28     | 0.0535  |
| Lowest                                            | 16QAM     | 1    | 0      | 21.39       | 0.1377        | 17.29     | 0.0536  |
| Middle                                            |           | 1    | 0      | 21.60       | 0.1445        | 17.50     | 0.0562  |
| Highest                                           |           | 1    | 0      | 21.27       | 0.1340        | 17.17     | 0.0521  |
| Lowest                                            | 64QAM     | 1    | 0      | 20.50       | 0.1122        | 16.40     | 0.0437  |
| Middle                                            |           | 1    | 0      | 21.19       | 0.1315        | 17.09     | 0.0512  |
| Highest                                           |           | 1    | 0      | 20.41       | 0.1099        | 16.31     | 0.0428  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 41 / 20MHz (Average) (GT - LC = -4.1 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 21.48       | 0.1406        | 17.38     | 0.0547  |
| Middle                                            |           | 1    | 0      | 21.70       | 0.1479        | 17.60     | 0.0575  |
| Highest                                           |           | 1    | 0      | 21.52       | 0.1419        | 17.42     | 0.0552  |
| Lowest                                            | 16QAM     | 1    | 0      | 21.42       | 0.1387        | 17.32     | 0.0540  |
| Middle                                            |           | 1    | 0      | 21.69       | 0.1476        | 17.59     | 0.0574  |
| Highest                                           |           | 1    | 0      | 21.47       | 0.1403        | 17.37     | 0.0546  |
| Lowest                                            | 64QAM     | 50   | 0      | 19.96       | 0.0991        | 15.86     | 0.0385  |
| Middle                                            |           | 50   | 0      | 21.27       | 0.1340        | 17.17     | 0.0521  |
| Highest                                           |           | 50   | 0      | 19.89       | 0.0975        | 15.79     | 0.0379  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

**Radiated Spurious Emission****LTE Band 4**

| LTE Band 4/ 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 3420                 | -60.14          | -13              | -47.14                  | -76.47                  | -70.50                   | 1.80                       | 12.16                       | H                     |
|                          | 5135                 | -56.48          | -13              | -43.48                  | -77.13                  | -66.30                   | 2.30                       | 12.13                       | H                     |
|                          | 6844                 | -53.15          | -13              | -40.15                  | -76.8                   | -61.84                   | 2.37                       | 11.06                       | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          | 3420                 | -59.41          | -13              | -46.41                  | -76.37                  | -69.77                   | 1.80                       | 12.16                       | V                     |
|                          | 5135                 | -55.70          | -13              | -42.70                  | -76.92                  | -65.52                   | 2.30                       | 12.13                       | V                     |
|                          | 6844                 | -52.61          | -13              | -39.61                  | -76.81                  | -61.30                   | 2.37                       | 11.06                       | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                   | 3448                 | -58.88          | -13              | -45.88                  | -75.52                  | -69.30                   | 1.83                       | 12.24                       | H                     |
|                          | 5170                 | -56.12          | -13              | -43.12                  | -76.8                   | -65.96                   | 2.29                       | 12.13                       | H                     |
|                          | 6894                 | -52.84          | -13              | -39.84                  | -76.63                  | -61.46                   | 2.38                       | 11.01                       | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          | 3448                 | -58.83          | -13              | -45.83                  | -76.04                  | -69.25                   | 1.83                       | 12.24                       | V                     |
|                          | 5170                 | -55.71          | -13              | -42.71                  | -76.95                  | -65.55                   | 2.29                       | 12.13                       | V                     |
|                          | 6894                 | -52.31          | -13              | -39.31                  | -76.69                  | -60.93                   | 2.38                       | 11.01                       | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3469 | -59.79 | -13 | -46.79 | -76.65 | -70.25 | 1.84 | 12.31 | H |
|         | 5208 | -56.56 | -13 | -43.56 | -77.26 | -66.43 | 2.27 | 12.14 | H |
|         | 6941 | -52.94 | -13 | -39.94 | -76.88 | -61.50 | 2.40 | 10.96 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3469 | -59.33 | -13 | -46.33 | -76.71 | -69.79 | 1.84 | 12.31 | V |
|         | 5208 | -56.48 | -13 | -43.48 | -77.73 | -66.35 | 2.27 | 12.14 | V |
|         | 6941 | -52.14 | -13 | -39.14 | -76.7  | -60.70 | 2.40 | 10.96 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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

**LTE Band 5**

| LTE Band 5 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1657                 | -64.96         | -13              | -51.96                  | -75.69                  | -70.38                   | 1.23                       | 8.80                        | H                     |
|                           | 2486                 | -61.41         | -13              | -48.41                  | -75.9                   | -68.31                   | 1.44                       | 10.49                       | H                     |
|                           | 3315                 | -60.75         | -13              | -47.75                  | -76.69                  | -68.73                   | 1.72                       | 11.85                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1657                 | -64.74         | -13              | -51.74                  | -75.35                  | -70.16                   | 1.23                       | 8.80                        | V                     |
|                           | 2486                 | -61.52         | -13              | -48.52                  | -76.25                  | -68.42                   | 1.44                       | 10.49                       | V                     |
|                           | 3315                 | -60.14         | -13              | -47.14                  | -76.53                  | -68.12                   | 1.72                       | 11.85                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 1672                 | -64.61         | -13              | -51.61                  | -75.37                  | -70.08                   | 1.24                       | 8.85                        | H                     |
|                           | 2509                 | -61.52         | -13              | -48.52                  | -75.99                  | -68.44                   | 1.44                       | 10.51                       | H                     |
|                           | 3344                 | -60.82         | -13              | -47.82                  | -76.57                  | -68.86                   | 1.74                       | 11.93                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1672                 | -64.31         | -13              | -51.31                  | -74.96                  | -69.78                   | 1.24                       | 8.85                        | V                     |
|                           | 2509                 | -61.59         | -13              | -48.59                  | -76.25                  | -68.51                   | 1.44                       | 10.51                       | V                     |
|                           | 3344                 | -60.33         | -13              | -47.33                  | -76.61                  | -68.37                   | 1.74                       | 11.93                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1688 | -64.65 | -13 | -51.65 | -75.44 | -70.17 | 1.24 | 8.91  | H |
|         | 2531 | -61.55 | -13 | -48.55 | -76.04 | -68.48 | 1.44 | 10.52 | H |
|         | 3375 | -60.85 | -13 | -47.85 | -76.4  | -68.96 | 1.77 | 12.03 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1688 | -64.70 | -13 | -51.70 | -75.39 | -70.22 | 1.24 | 8.91  | V |
|         | 2531 | -61.01 | -13 | -48.01 | -75.71 | -67.94 | 1.44 | 10.52 | V |
|         | 3375 | -60.34 | -13 | -47.34 | -76.51 | -68.45 | 1.77 | 12.03 | 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 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1416                 | -61.74         | -13              | -48.74                  | -73.73                  | -66.25                   | 1.15                       | 7.81                        | H                     |
|                            | 2128                 | -59.99         | -13              | -46.99                  | -75.01                  | -66.66                   | 1.38                       | 10.20                       | H                     |
|                            | 2840                 | -60.15         | -13              | -47.15                  | -75.61                  | -67.32                   | 1.45                       | 10.77                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -61.99         | -13              | -48.99                  | -73.45                  | -66.47                   | 1.15                       | 7.78                        | V                     |
|                            | 2112                 | -60.23         | -13              | -47.23                  | -75.57                  | -66.89                   | 1.38                       | 10.19                       | V                     |
|                            | 2816                 | -59.77         | -13              | -46.77                  | -75.65                  | -66.92                   | 1.45                       | 10.75                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1416                 | -62.01         | -13              | -49.01                  | -74.00                  | -66.52                   | 1.15                       | 7.81                        | H                     |
|                            | 2128                 | -59.75         | -13              | -46.75                  | -74.77                  | -66.42                   | 1.38                       | 10.20                       | H                     |
|                            | 2840                 | -60.02         | -13              | -47.02                  | -75.48                  | -67.19                   | 1.45                       | 10.77                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1416                 | -62.56         | -13              | -49.56                  | -74.02                  | -67.07                   | 1.15                       | 7.81                        | V                     |
|                            | 2128                 | -59.58         | -13              | -46.58                  | -74.92                  | -66.25                   | 1.38                       | 10.20                       | V                     |
|                            | 2840                 | -59.63         | -13              | -46.63                  | -75.51                  | -66.80                   | 1.45                       | 10.77                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1424 | -61.34 | -13 | -48.34 | -73.29 | -65.89 | 1.15 | 7.85  | H |
|         | 2136 | -59.52 | -13 | -46.52 | -74.67 | -66.20 | 1.38 | 10.21 | H |
|         | 2840 | -60.09 | -13 | -47.09 | -75.55 | -67.26 | 1.45 | 10.77 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1424 | -62.04 | -13 | -49.04 | -73.49 | -66.59 | 1.15 | 7.85  | V |
|         | 2136 | -60.16 | -13 | -47.16 | -75.65 | -66.84 | 1.38 | 10.21 | V |
|         | 2840 | -59.64 | -13 | -46.64 | -75.52 | -66.81 | 1.45 | 10.77 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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

**LTE Band 41**

| LTE Band 41 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 5076                 | -63.15          | -25              | -38.15                  | -56.22                  | -72.94                   | 2.33                       | 12.12                       | H                     |
|                            | 7620                 | -57.10          | -25              | -32.10                  | -54.82                  | -65.42                   | 2.11                       | 10.43                       | H                     |
|                            | 10164                | -58.91          | -25              | -33.91                  | -61.11                  | -68.72                   | 2.06                       | 11.87                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5076                 | -63.37          | -25              | -38.37                  | -57.03                  | -73.16                   | 2.33                       | 12.12                       | V                     |
|                            | 7620                 | -54.34          | -25              | -29.34                  | -52.1                   | -62.66                   | 2.11                       | 10.43                       | V                     |
|                            | 10164                | -59.68          | -25              | -34.68                  | -61.27                  | -69.49                   | 2.06                       | 11.87                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 5172                 | -61.99          | -25              | -36.99                  | -55.41                  | -71.83                   | 2.29                       | 12.13                       | H                     |
|                            | 7752                 | -53.49          | -25              | -28.49                  | -51.53                  | -62.28                   | 2.11                       | 10.91                       | H                     |
|                            | 10332                | -59.64          | -25              | -34.64                  | -62.09                  | -69.25                   | 2.32                       | 11.93                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5172                 | -61.58          | -25              | -36.58                  | -55.56                  | -71.42                   | 2.29                       | 12.13                       | V                     |
|                            | 7752                 | -51.97          | -25              | -26.97                  | -50.07                  | -60.76                   | 2.11                       | 10.91                       | V                     |
|                            | 10332                | -57.13          | -25              | -32.13                  | -59.28                  | -66.74                   | 2.32                       | 11.93                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 5256  | -62.20 | -25 | -37.20 | -55.94 | -72.10 | 2.26 | 12.15 | H |
|         | 7884  | -51.22 | -25 | -26.22 | -49.93 | -60.49 | 2.11 | 11.38 | H |
|         | 10512 | -58.98 | -25 | -33.98 | -61.71 | -68.37 | 2.59 | 11.98 | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         | 5256  | -60.65 | -25 | -35.65 | -54.92 | -70.55 | 2.26 | 12.15 | V |
|         | 7884  | -53.83 | -25 | -28.83 | -52.47 | -63.10 | 2.11 | 11.38 | V |
|         | 10512 | -57.08 | -25 | -32.08 | -59.84 | -66.47 | 2.59 | 11.98 | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |

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