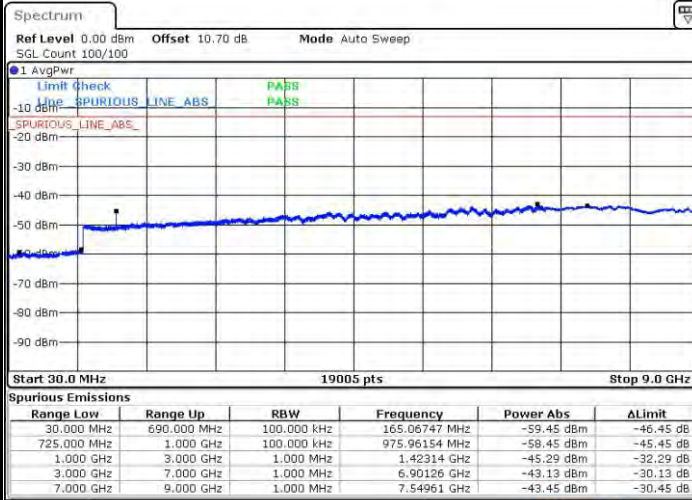




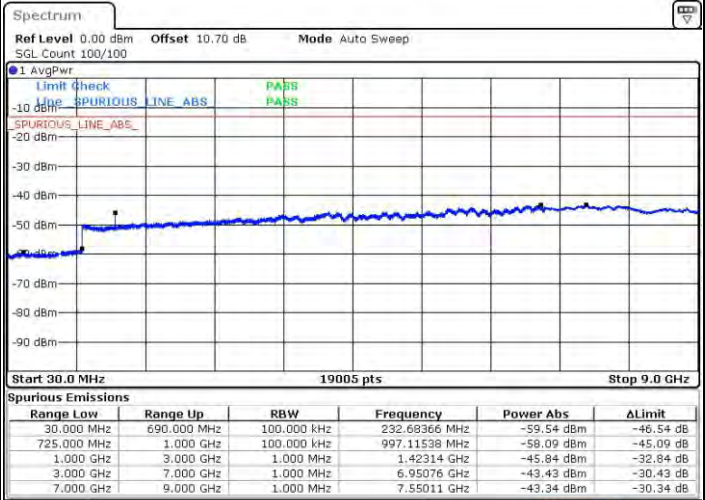
## LTE Band 12 / 5MHz

## Highest Channel / QPSK



Date: 21 AUG 2019 19:52:36

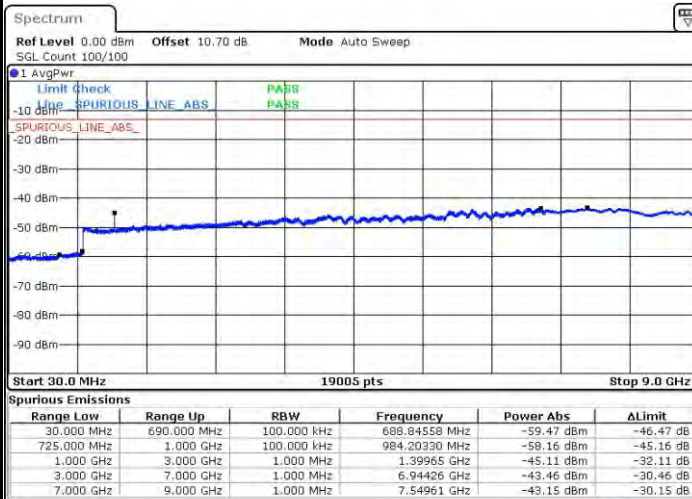
## Highest Channel / 16QAM



Date: 21 AUG 2019 19:51:50

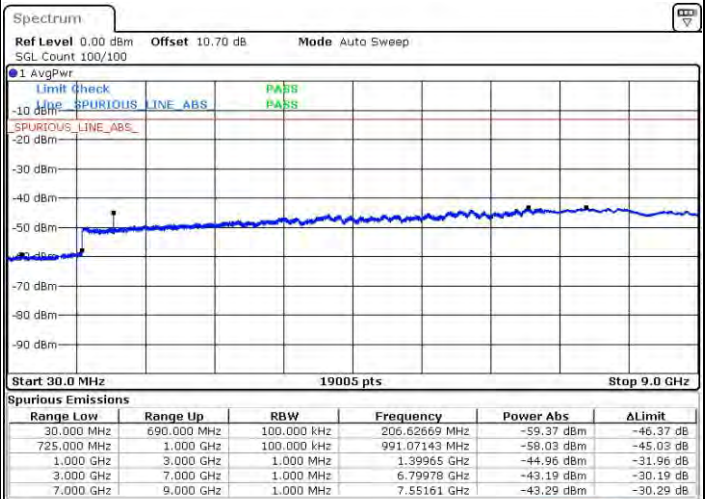
## LTE Band 12 / 10MHz

## Lowest Channel / QPSK



Date: 21 AUG 2019 19:58:17

## Lowest Channel / 16QAM

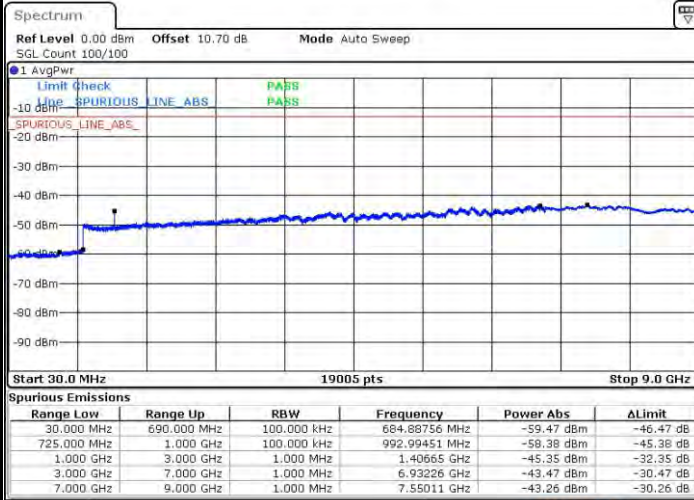


Date: 21 AUG 2019 19:59:03



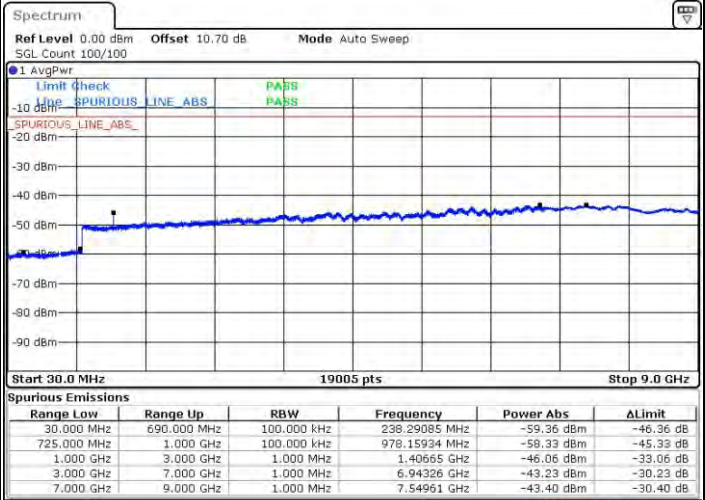
## LTE Band 12 / 10MHz

## Middle Channel / QPSK



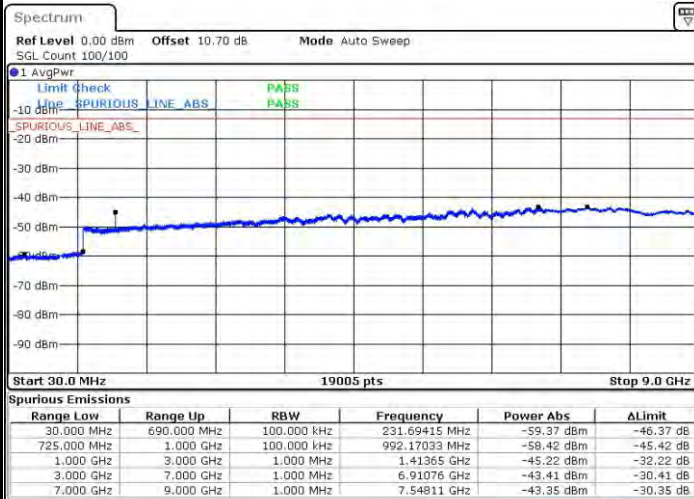
Date: 21 AUG 2019 20:01:21

## Middle Channel / 16QAM



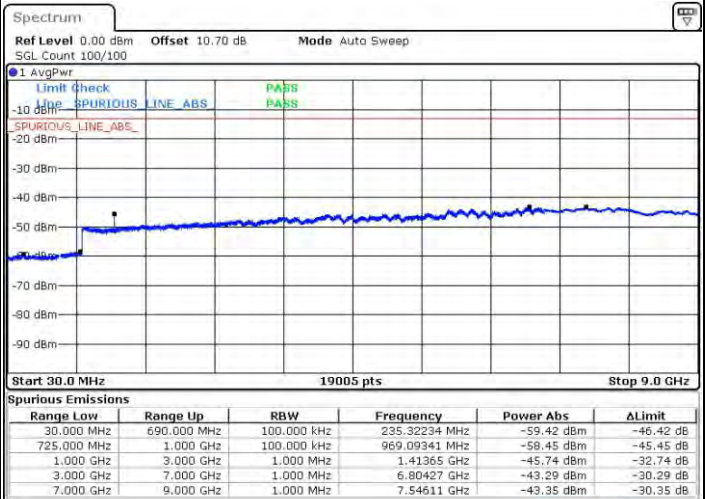
Date: 21 AUG 2019 20:00:36

## Highest Channel / QPSK



Date: 21 AUG 2019 20:07:02

## Highest Channel / 16QAM

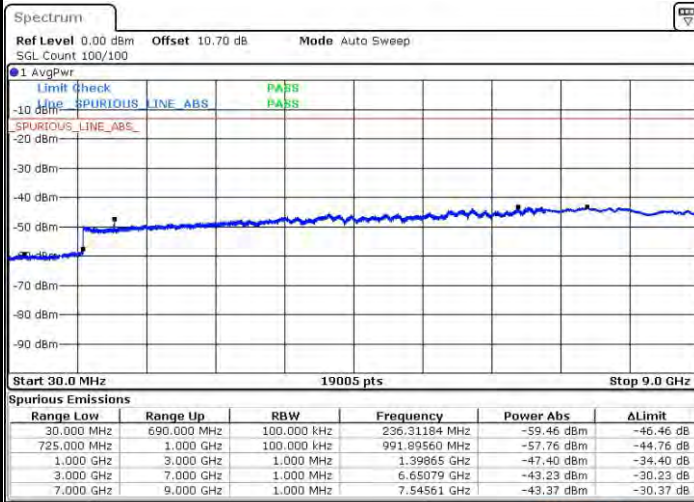


Date: 21 AUG 2019 20:07:48



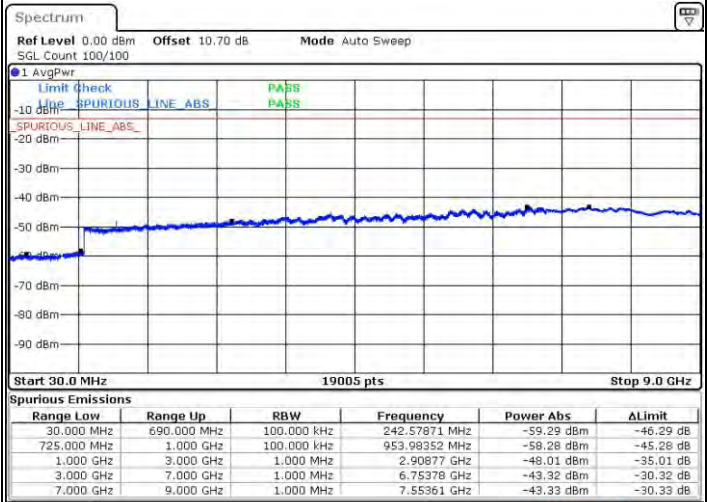
## LTE Band 12 / 1.4MHz

## Lowest Channel / 64QAM



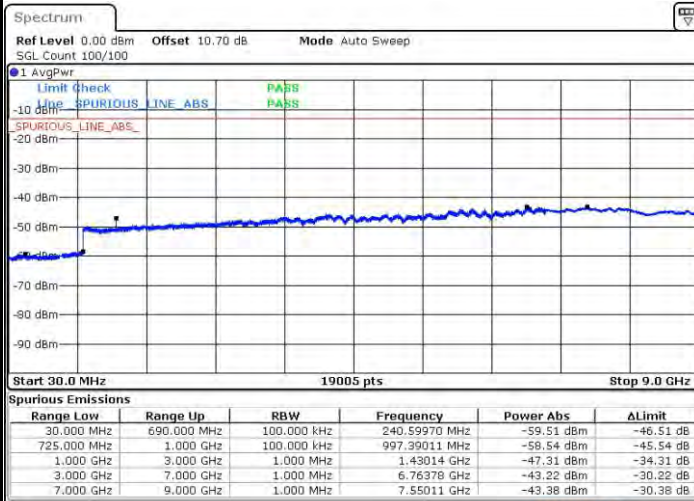
Date: 21 AUG 2019 20:35:25

## Middle Channel / 64QAM



Date: 21 AUG 2019 20:36:34

## Highest Channel / 64QAM

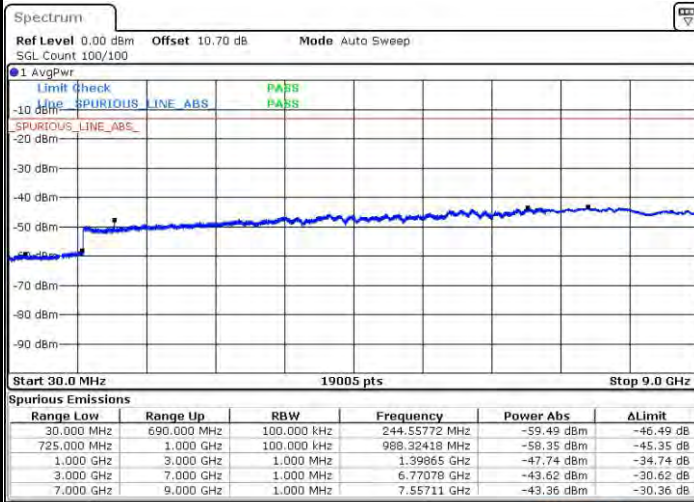


Date: 21 AUG 2019 20:39:48



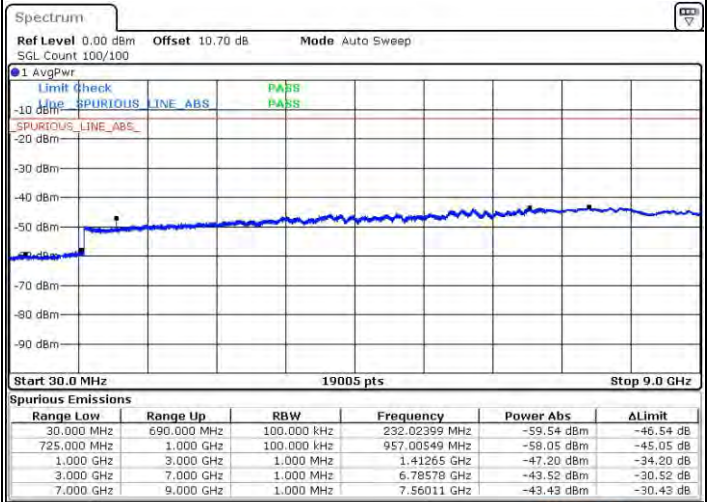
## LTE Band 12 / 3MHz

## Lowest Channel / 64QAM



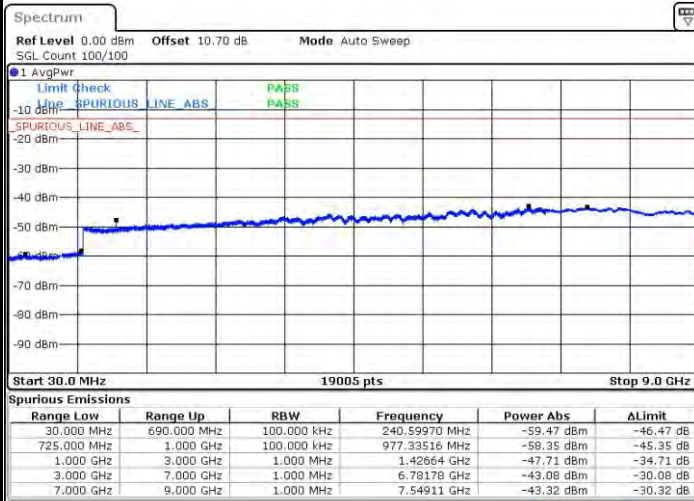
Date: 21 AUG 2019 19:08:10

## Middle Channel / 64QAM



Date: 21 AUG 2019 19:09:20

## Highest Channel / 64QAM

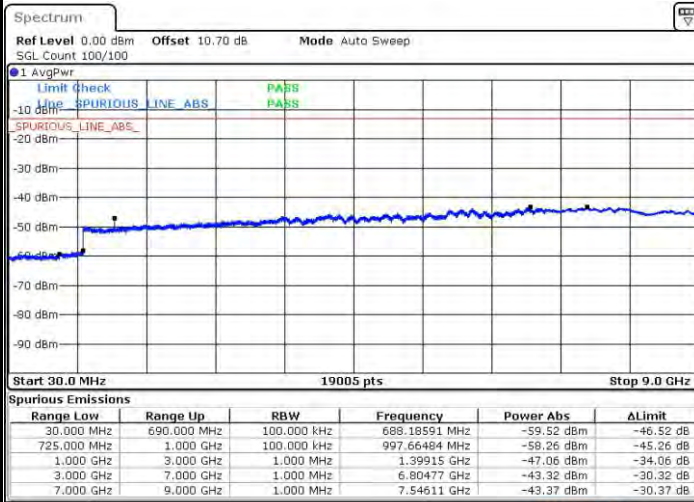


Date: 21 AUG 2019 19:12:32



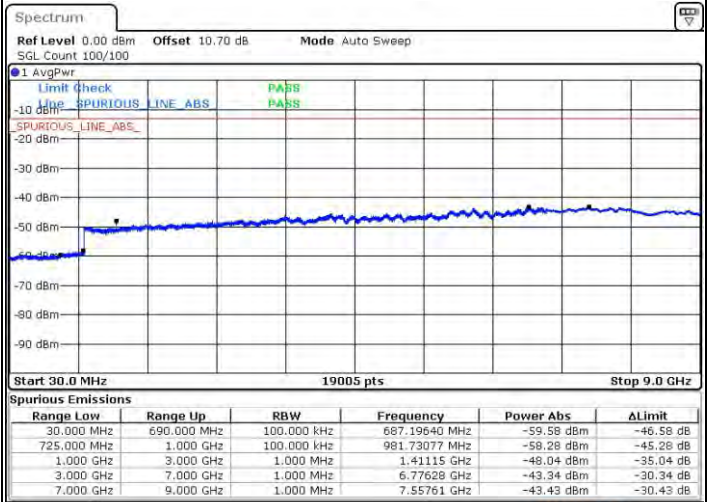
## LTE Band 12 / 5MHz

## Lowest Channel / 64QAM



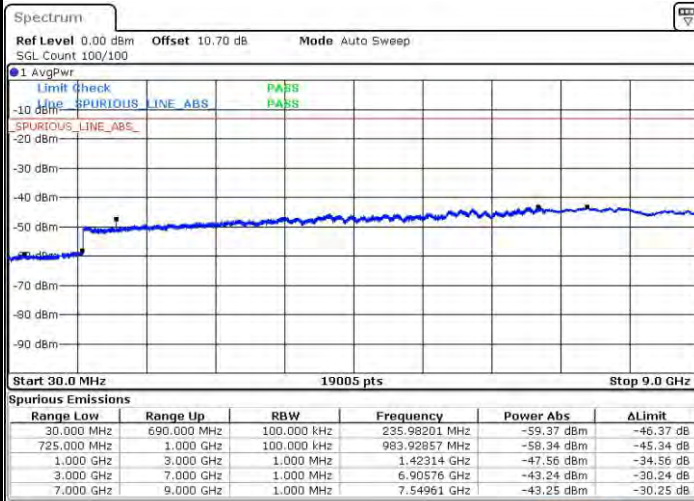
Date: 21 AUG 2019 19:15:46

## Middle Channel / 64QAM



Date: 21 AUG 2019 19:16:56

## Highest Channel / 64QAM

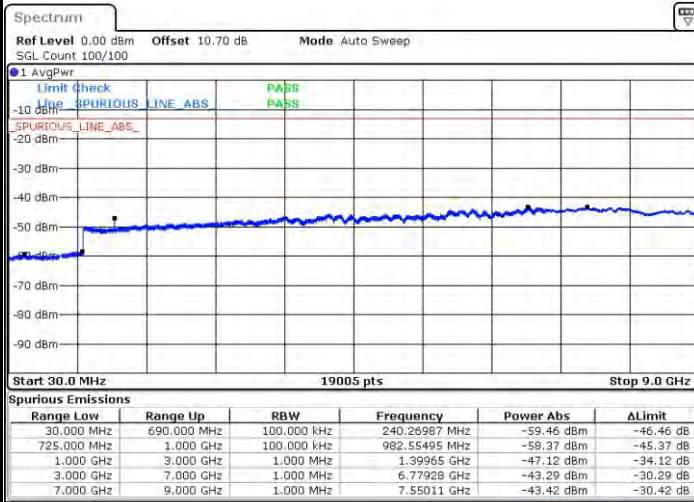


Date: 21 AUG 2019 19:20:08



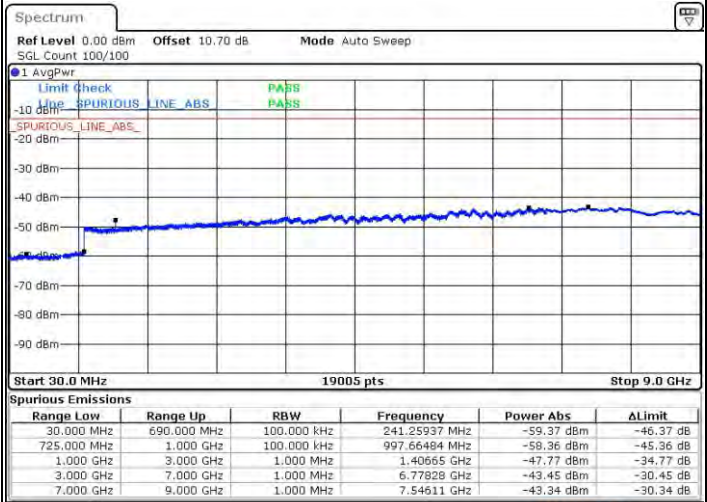
## LTE Band 12 / 10MHz

## Lowest Channel / 64QAM



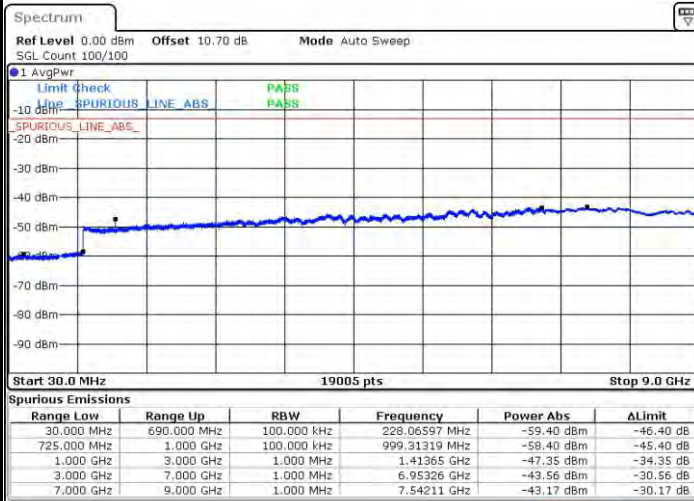
Date: 21 AUG 2019 20:11:02

## Middle Channel / 64QAM



Date: 21 AUG 2019 20:12:12

## Highest Channel / 64QAM



Date: 21 AUG 2019 20:15:25

## Frequency Stability

| Test Conditions  |                   | LTE Band 12 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0105                              | PASS    |
| 40               | Normal Voltage    | 0.0130                              |         |
| 30               | Normal Voltage    | 0.0099                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0106                              |         |
| 0                | Normal Voltage    | 0.0016                              |         |
| -10              | Normal Voltage    | 0.0110                              |         |
| -20              | Normal Voltage    | 0.0092                              |         |
| -30              | Normal Voltage    | 0.0092                              |         |
| 20               | Maximum Voltage   | 0.0011                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0098                              |         |

**Note:**

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

## LTE Band 17

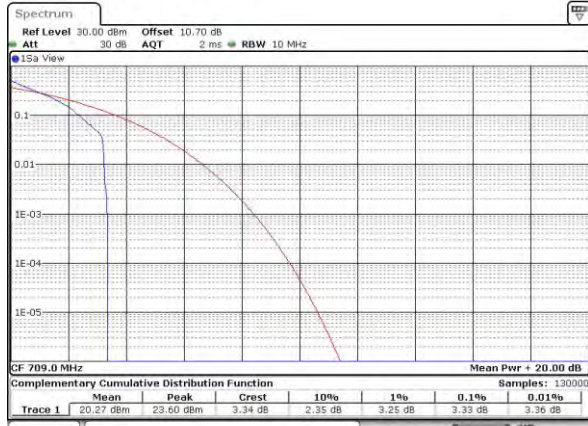
### Peak-to-Average Ratio

| Mode       | LTE Band 17 / 10MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.33                | 4.67    | 4.87  | 5.77    | PASS        |
| Middle CH  | 3.39                | 4.70    | 4.93  | 5.88    |             |
| Highest CH | 3.39                | 4.75    | 5.10  | 5.97    |             |
| Mode       | LTE Band 17 / 10MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.55                | 6.35    | -     | -       | PASS        |
| Middle CH  | 5.94                | 6.32    | -     | -       |             |
| Highest CH | 5.80                | 6.35    | -     | -       |             |

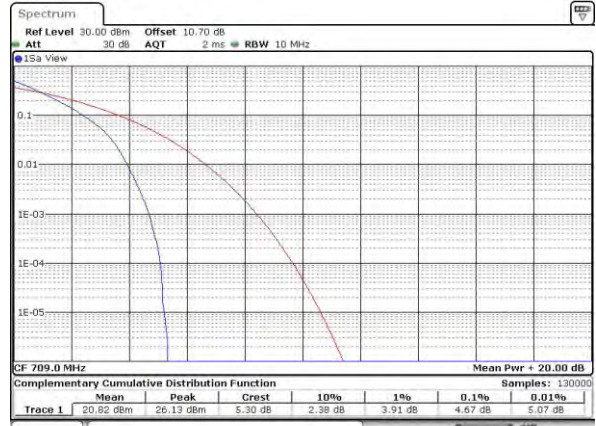


## LTE Band 17 / 10MHz / QPSK

## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



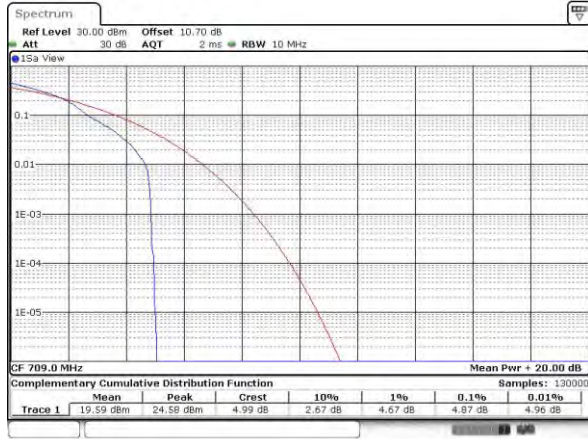
## Highest Channel / Full RB



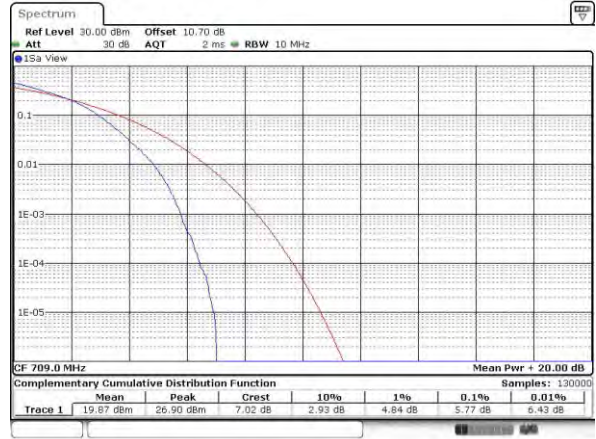


## LTE Band 17 / 10MHz / 16QAM

## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



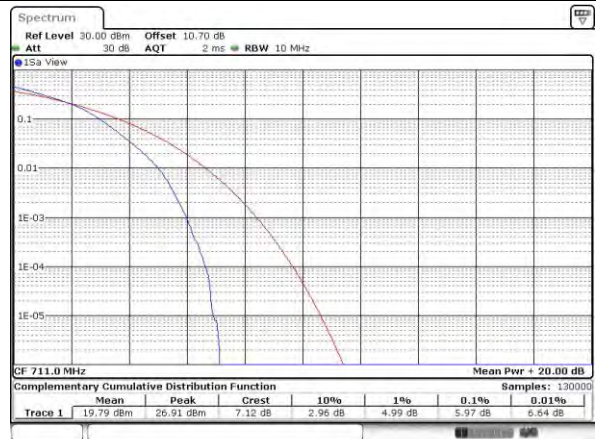
## Middle Channel / Full RB



## Highest Channel / 1RB



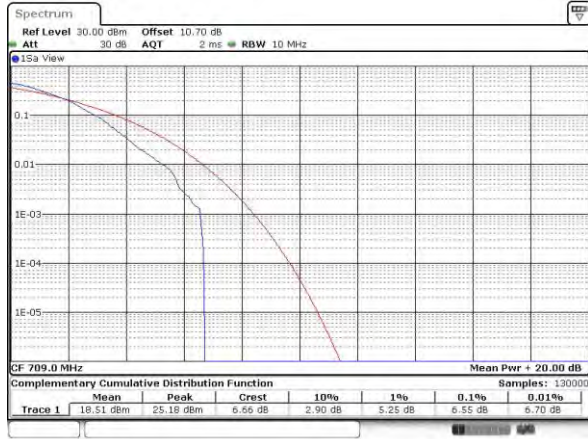
## Highest Channel / Full RB



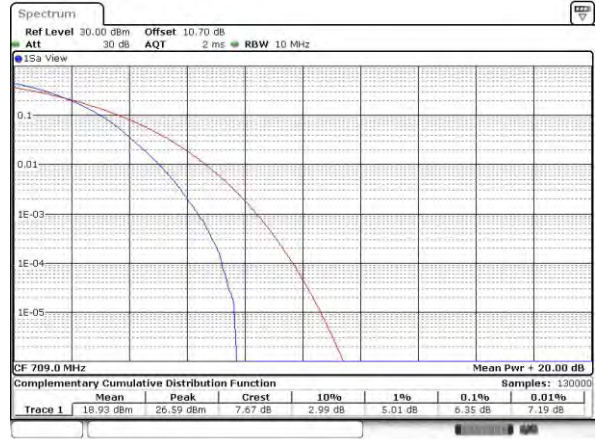


## LTE Band 17 / 10MHz / 64QAM

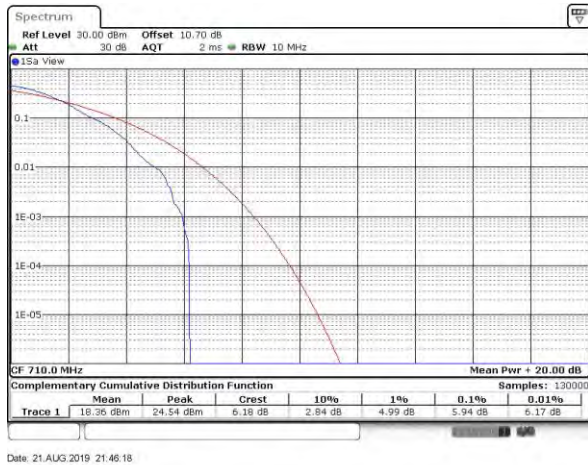
## Lowest Channel / 1RB



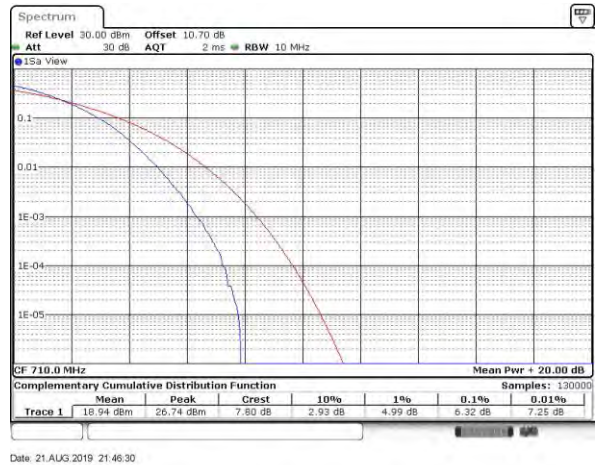
## Lowest Channel / Full RB



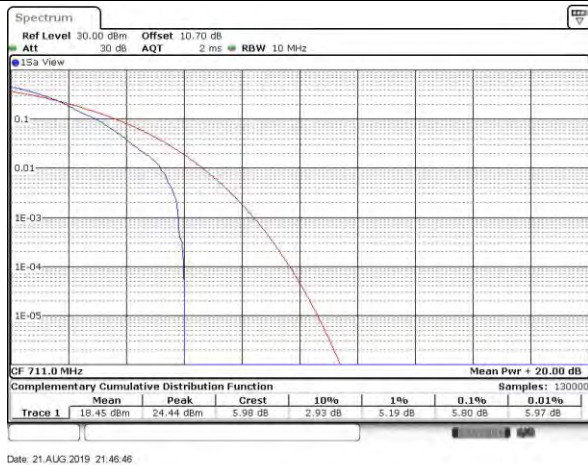
## Middle Channel / 1RB



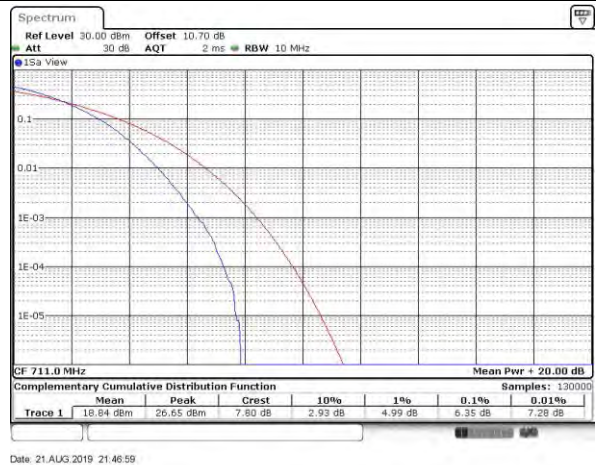
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



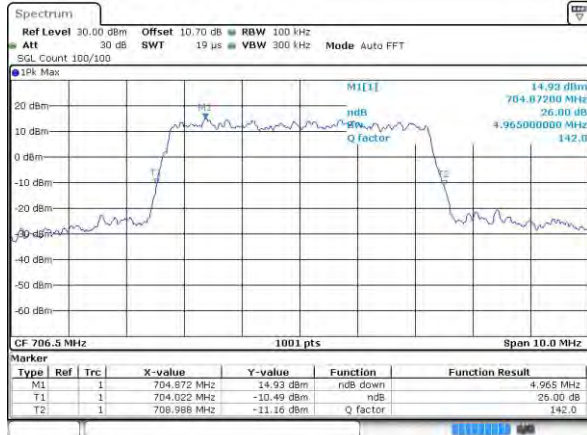
**26dB Bandwidth**

| Mode       | LTE Band 17 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -     | -     | 4.97  | 4.95  | 9.89  | 9.91  | -     | -     | -     | -     |
| Middle CH  | -                          | -     | -     | -     | 4.95  | 4.94  | 9.83  | 9.69  | -     | -     | -     | -     |
| Highest CH | -                          | -     | -     | -     | 4.87  | 4.93  | 9.77  | 9.85  | -     | -     | -     | -     |
| Mode       | LTE Band 17 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.85  | -     | 9.77  | -     | -     | -     | -     | -     |
| Middle CH  | -                          | -     | -     | -     | 4.96  | -     | 9.83  | -     | -     | -     | -     | -     |
| Highest CH | -                          | -     | -     | -     | 4.93  | -     | 9.83  | -     | -     | -     | -     | -     |



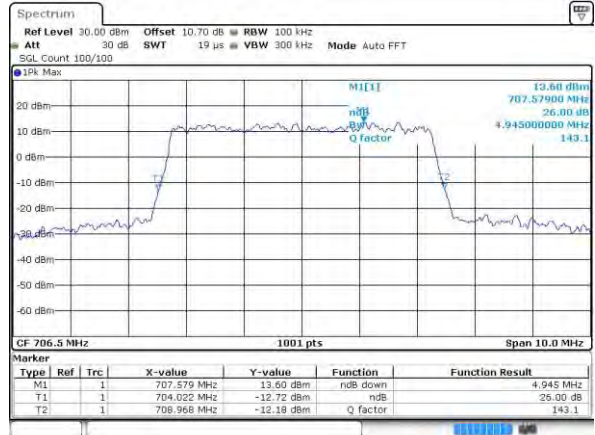
## LTE Band 17

## Lowest Channel / 5MHz / QPSK



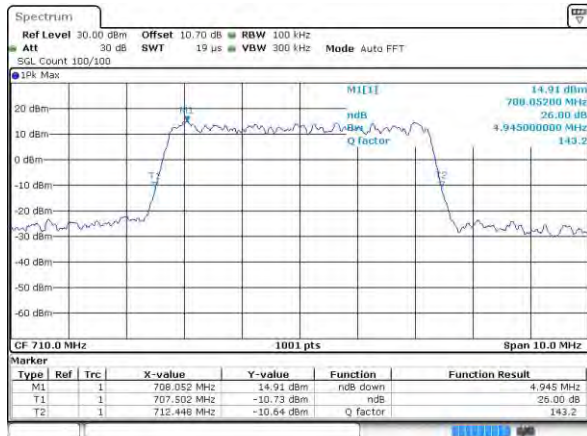
Date: 21.AUG.2019 20:56:55

## Lowest Channel / 5MHz / 16QAM



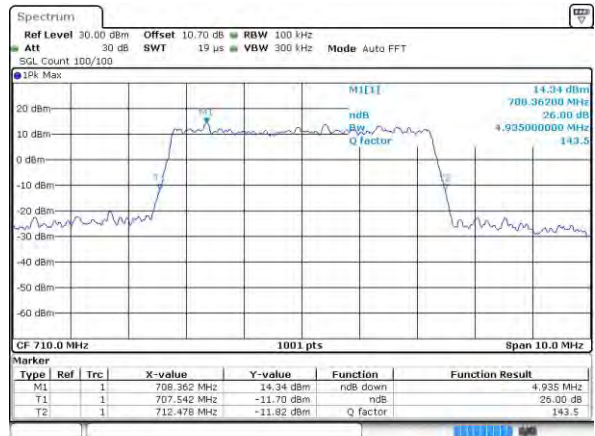
Date: 21.AUG.2019 20:57:07

## Middle Channel / 5MHz / QPSK



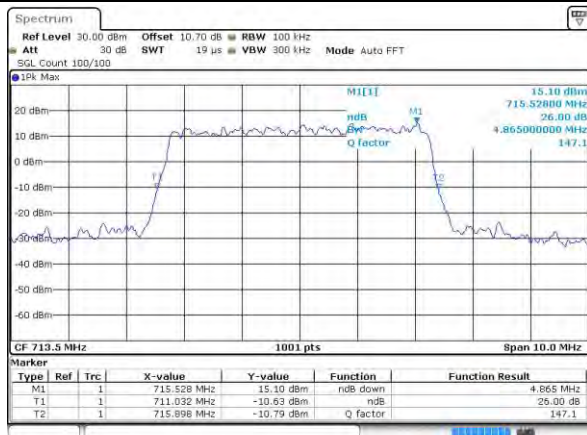
Date: 21.AUG.2019 21:03:20

## Middle Channel / 5MHz / 16QAM



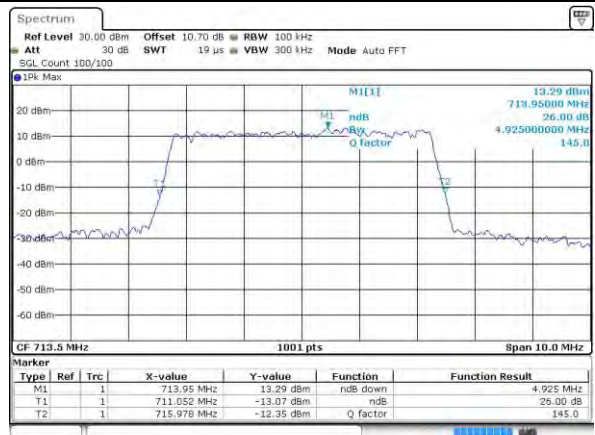
Date: 21.AUG.2019 21:03:32

## Highest Channel / 5MHz / QPSK



Date: 21.AUG.2019 21:05:41

## Highest Channel / 5MHz / 16QAM

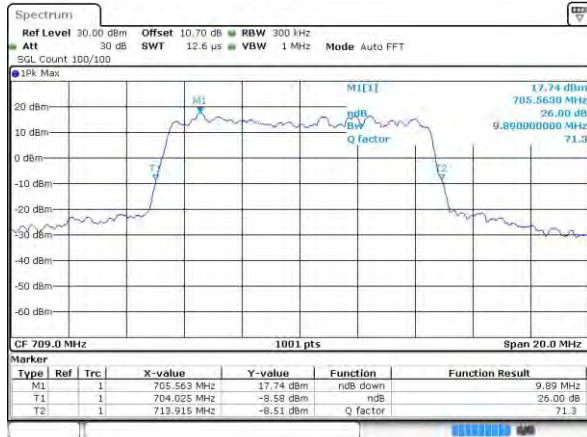


Date: 21.AUG.2019 21:05:53

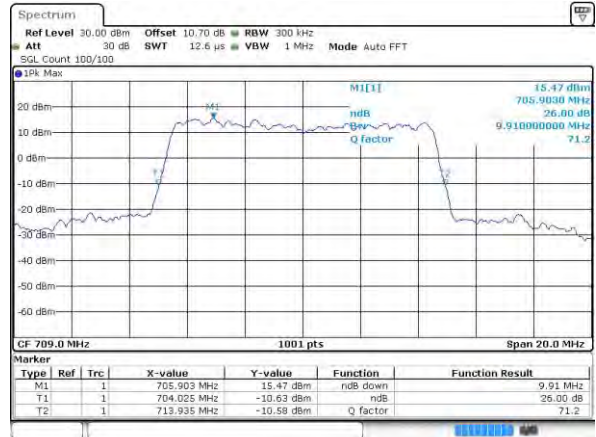


## LTE Band 17

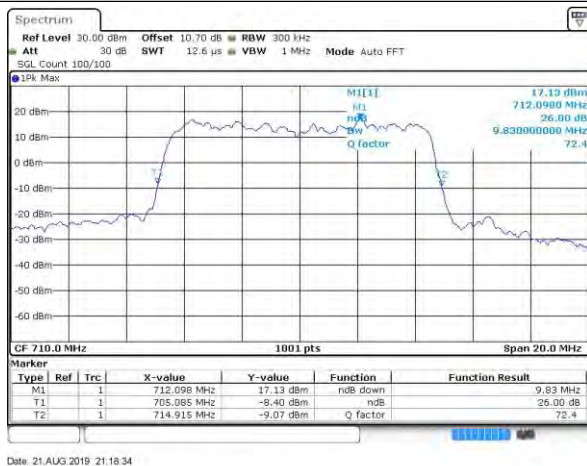
## Lowest Channel / 10MHz / QPSK



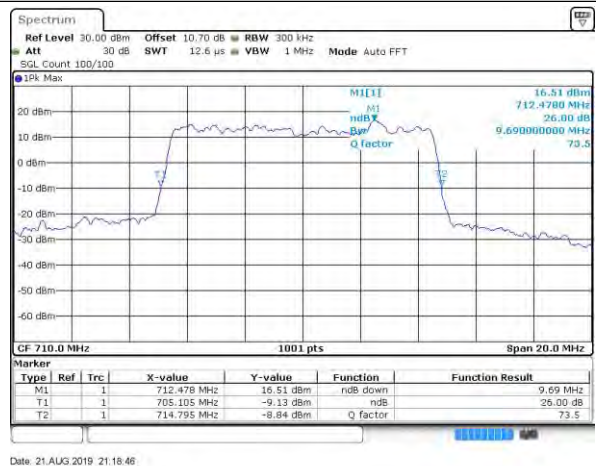
## Lowest Channel / 10MHz / 16QAM



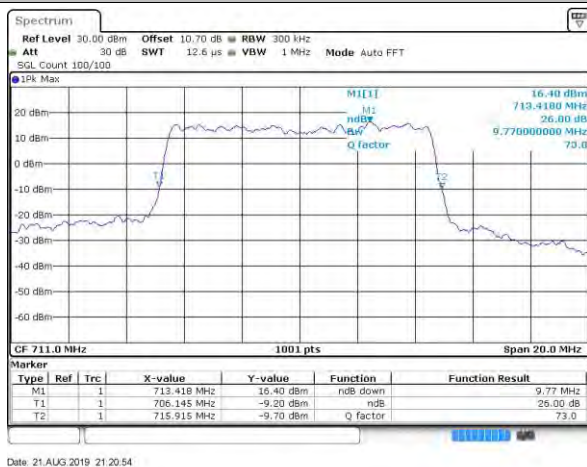
## Middle Channel / 10MHz / QPSK



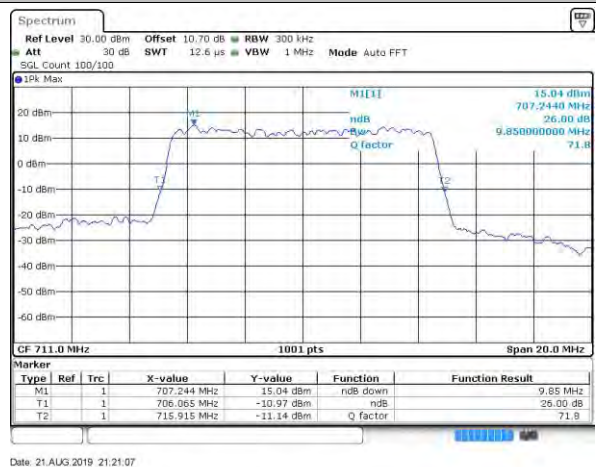
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



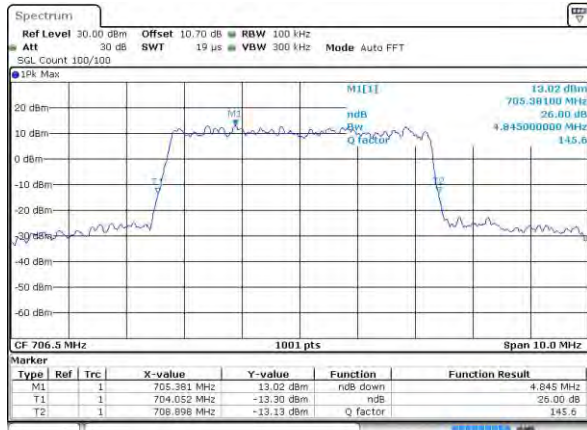
## Highest Channel / 10MHz / 16QAM



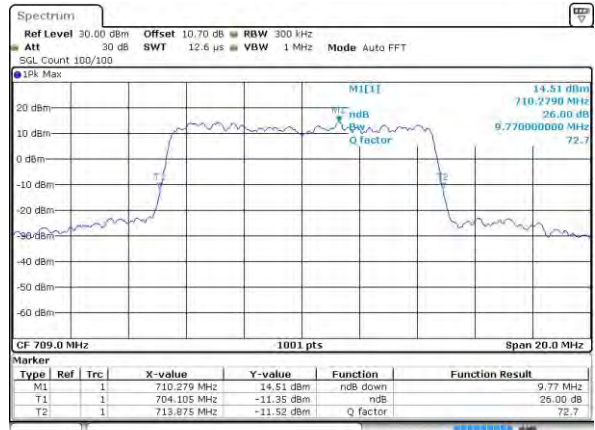


## LTE Band 17

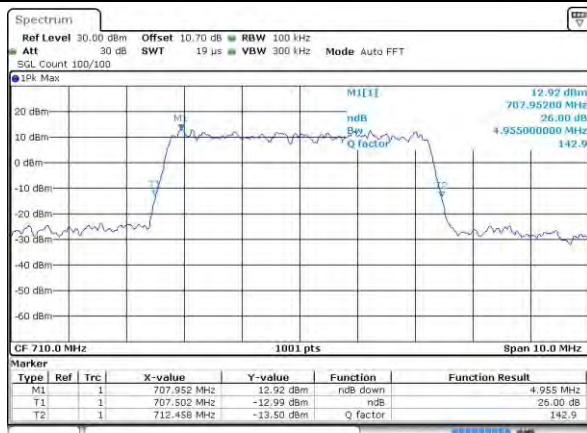
## Lowest Channel / 5MHz / 64QAM



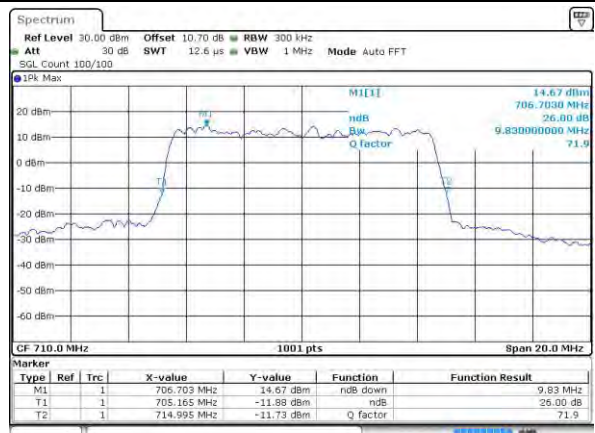
## Lowest Channel / 10MHz / 64QAM



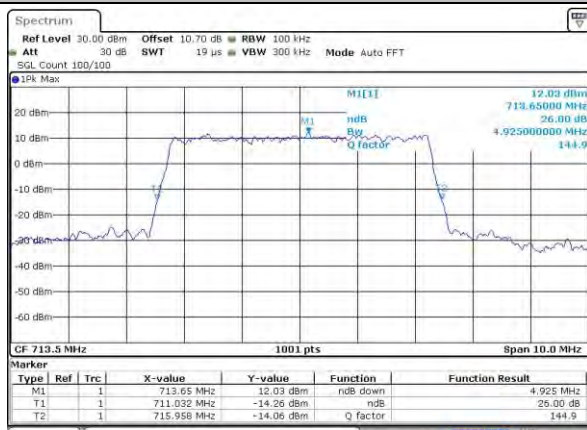
## Middle Channel / 5MHz / 64QAM



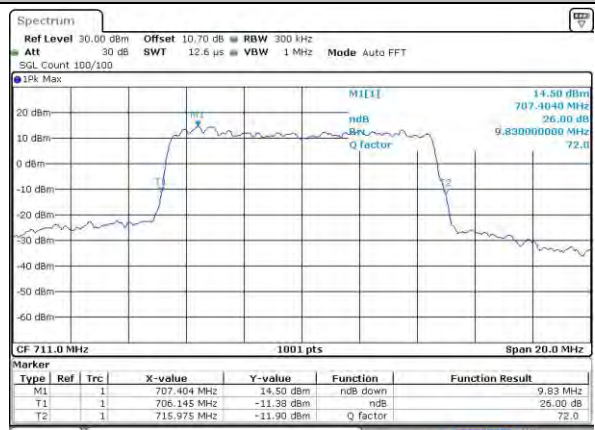
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



## Highest Channel / 10MHz / 64QAM



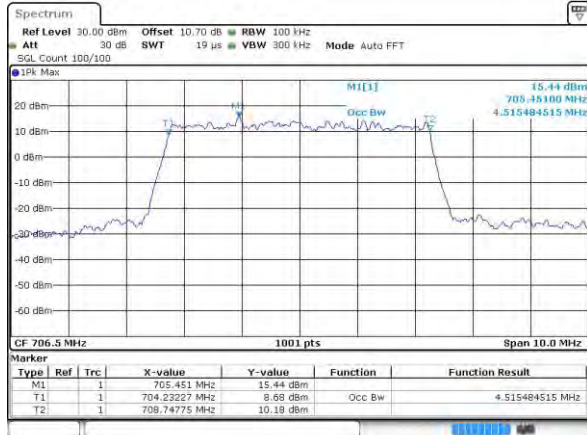
**Occupied Bandwidth**

| Mode       | LTE Band 17 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -     | -     | 4.52  | 4.49  | 9.05  | 9.07  | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -     | -     | 4.51  | 4.50  | 9.05  | 9.05  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -     | -     | 4.51  | 4.51  | 9.05  | 8.99  | -     | -     | -     | -     |
| Mode       | LTE Band 17 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.49  | -     | 9.11  | -     | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -     | -     | 4.49  | -     | 9.03  | -     | -     | -     | -     | -     |
| Highest CH | -                         | -     | -     | -     | 4.50  | -     | 9.05  | -     | -     | -     | -     | -     |

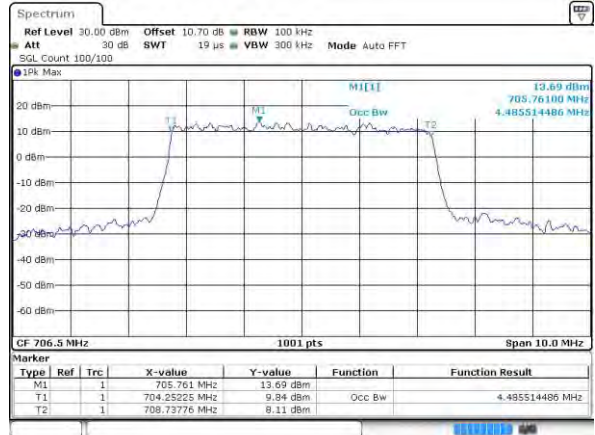


## LTE Band 17

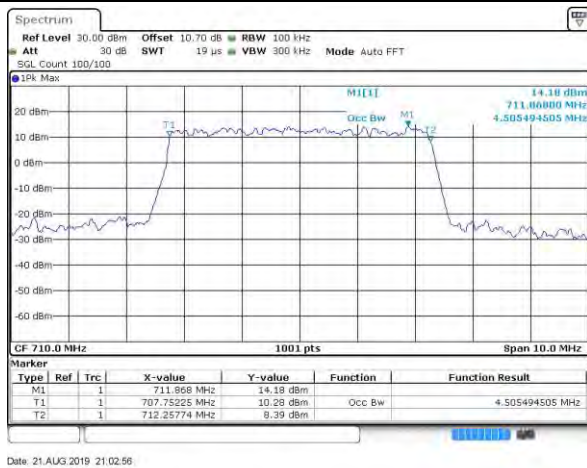
## Lowest Channel / 5MHz / QPSK



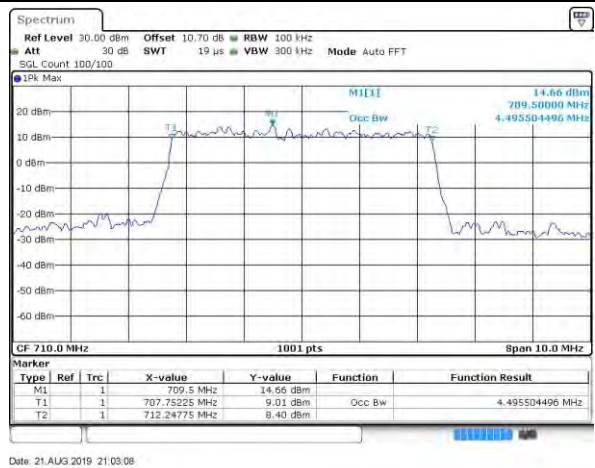
## Lowest Channel / 5MHz / 16QAM



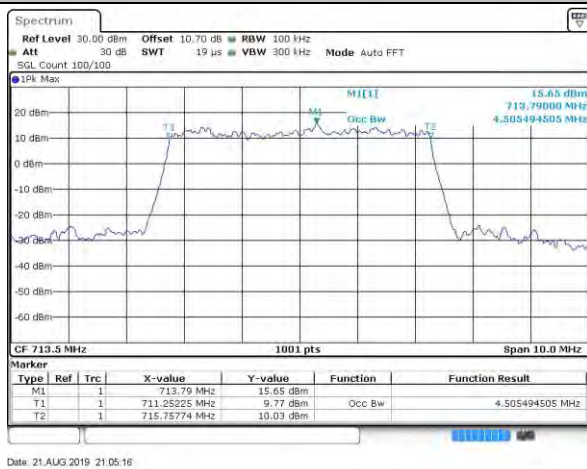
## Middle Channel / 5MHz / QPSK



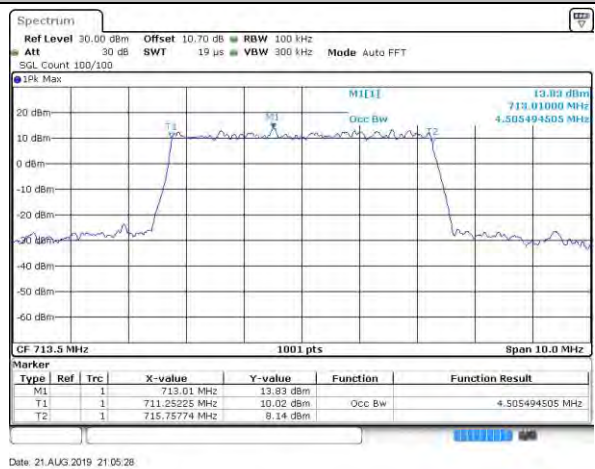
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



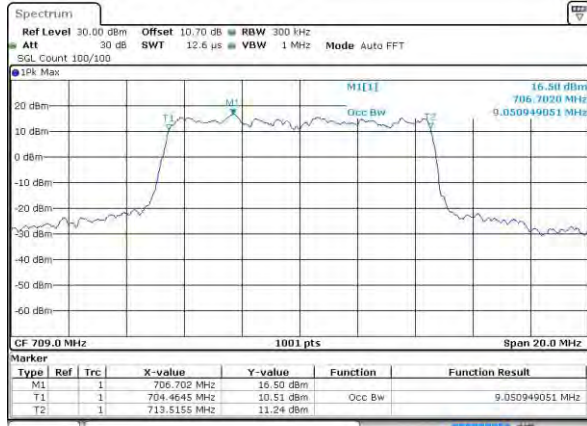
## Highest Channel / 5MHz / 16QAM





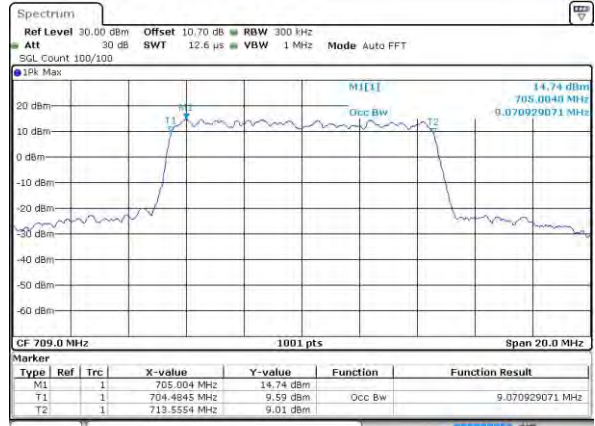
## LTE Band 17

## Lowest Channel / 10MHz / QPSK



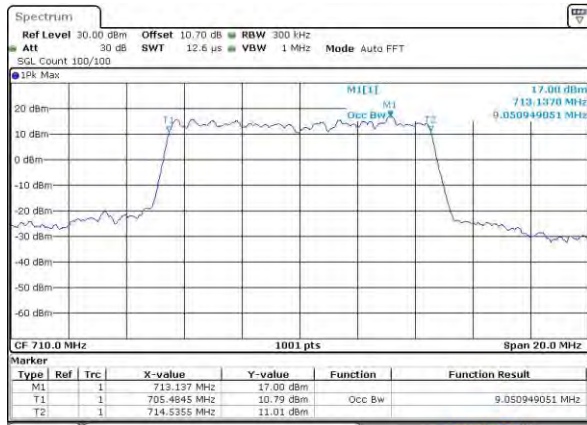
Date: 21.AUG 2019 21:11:43

## Lowest Channel / 10MHz / 16QAM



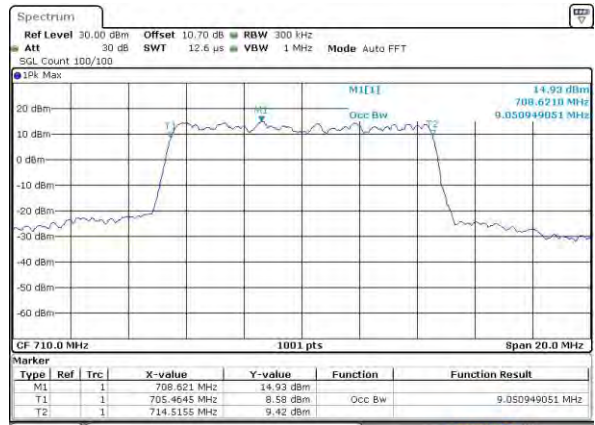
Date: 21.AUG 2019 21:11:56

## Middle Channel / 10MHz / QPSK



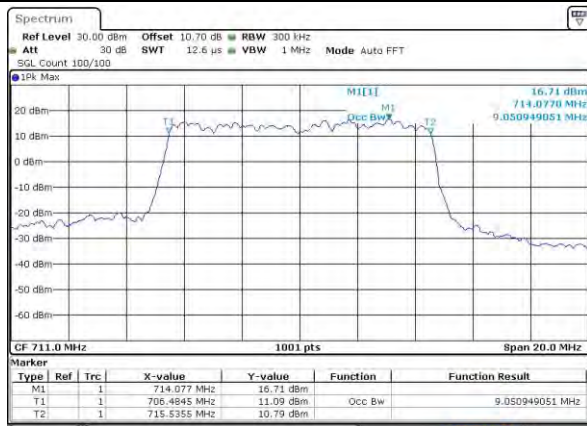
Date: 21.AUG 2019 21:18:10

## Middle Channel / 10MHz / 16QAM



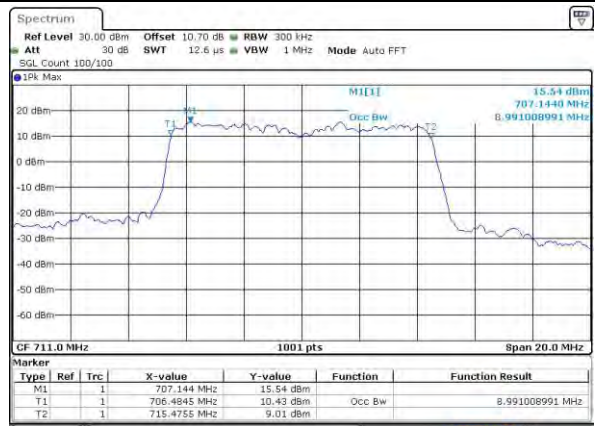
Date: 21.AUG 2019 21:18:22

## Highest Channel / 10MHz / QPSK



Date: 21.AUG 2019 21:20:25

## Highest Channel / 10MHz / 16QAM

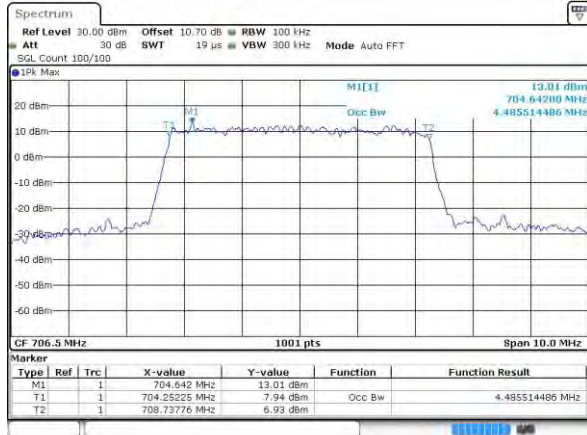


Date: 21.AUG 2019 21:20:42

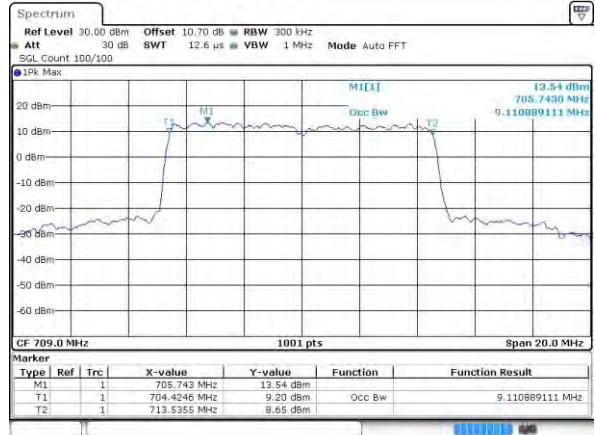


## LTE Band 17

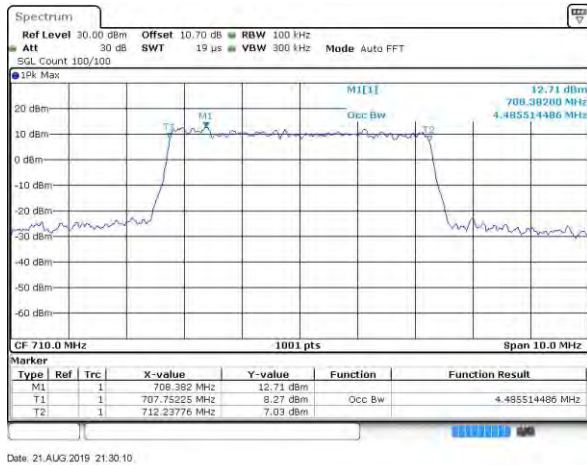
## Lowest Channel / 5MHz / 64QAM



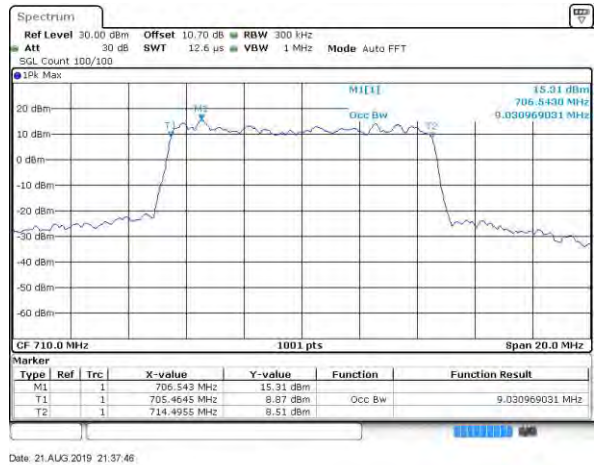
## Lowest Channel / 10MHz / 64QAM



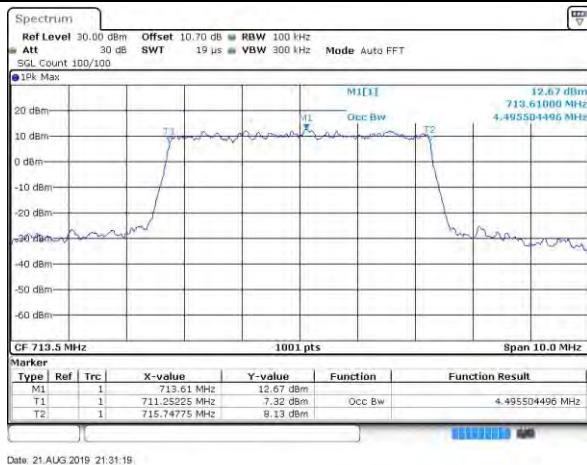
## Middle Channel / 5MHz / 64QAM



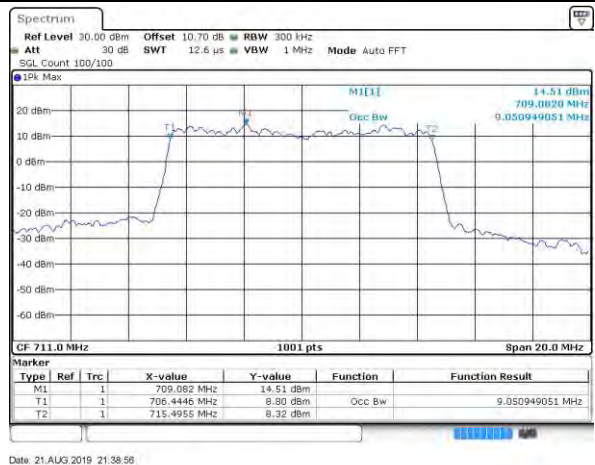
## Middle Channel / 10MHz / 64QAM

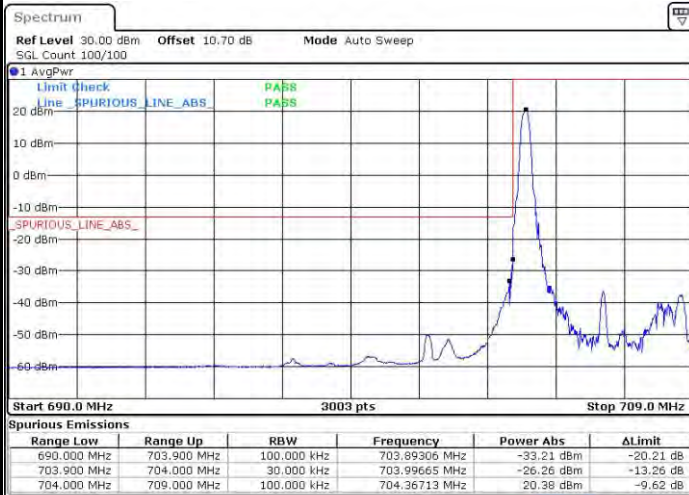


## Highest Channel / 5MHz / 64QAM



## Highest Channel / 10MHz / 64QAM



**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

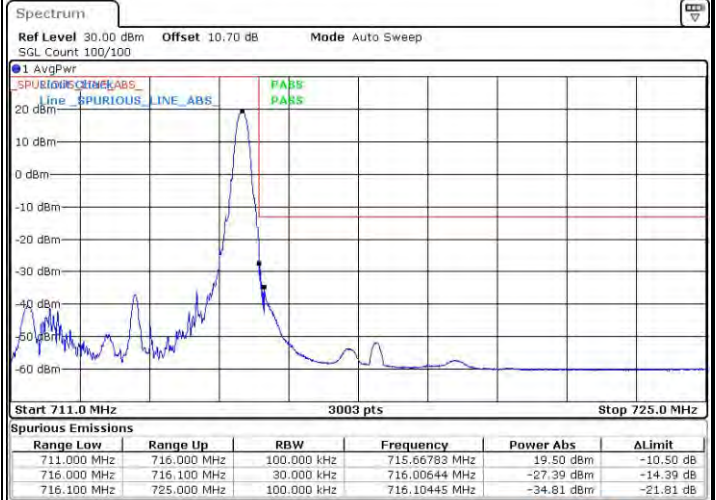


## LTE Band 17 / 5MHz / 16QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



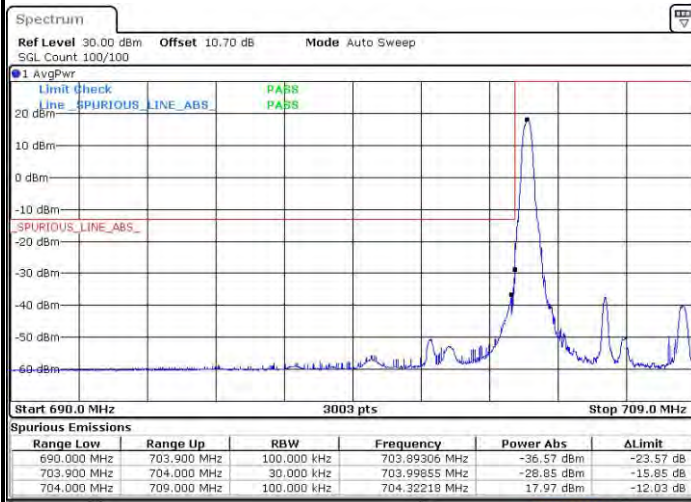
## Highest Band Edge / Full RB





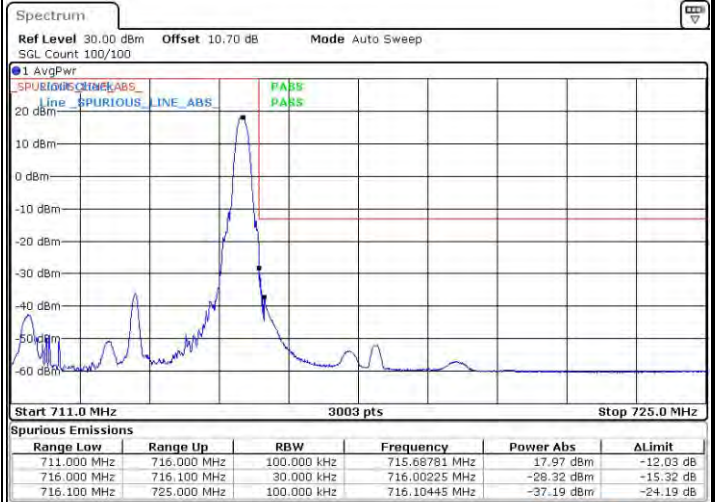
## LTE Band 17 / 5MHz / 64QAM

## Lowest Band Edge / 1 RB



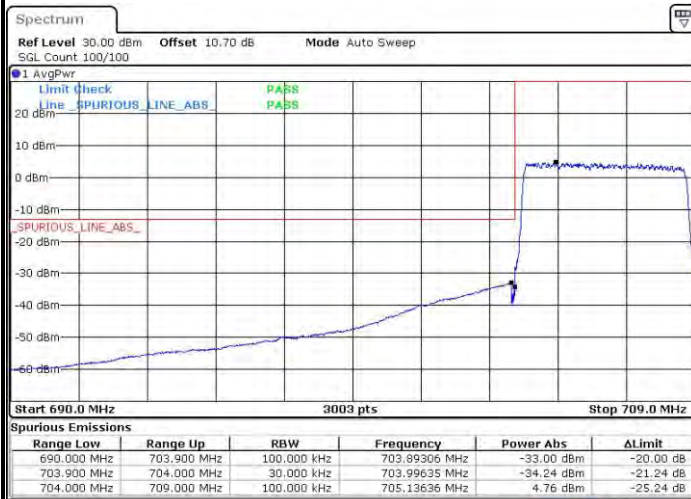
Date: 21 AUG 2019 21:28:10

## Highest Band Edge / 1 RB



Date: 21 AUG 2019 21:32:33

## Lowest Band Edge / Full RB



Date: 21 AUG 2019 21:29:11

## Highest Band Edge / Full RB

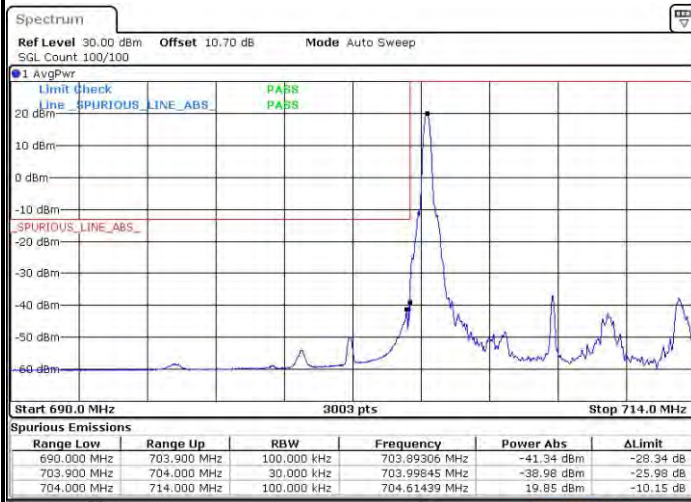


Date: 21 AUG 2019 21:33:34

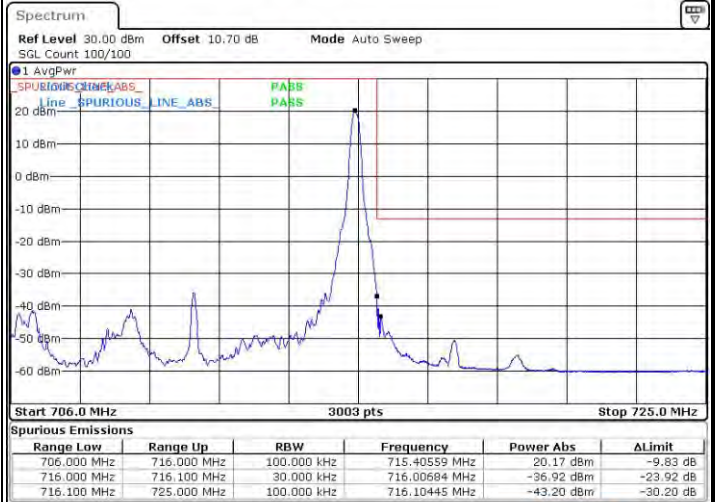


## LTE Band 17 / 10MHz / QPSK

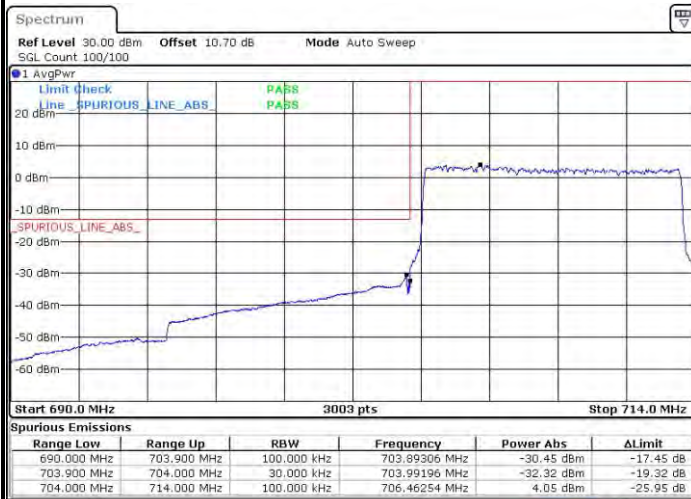
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



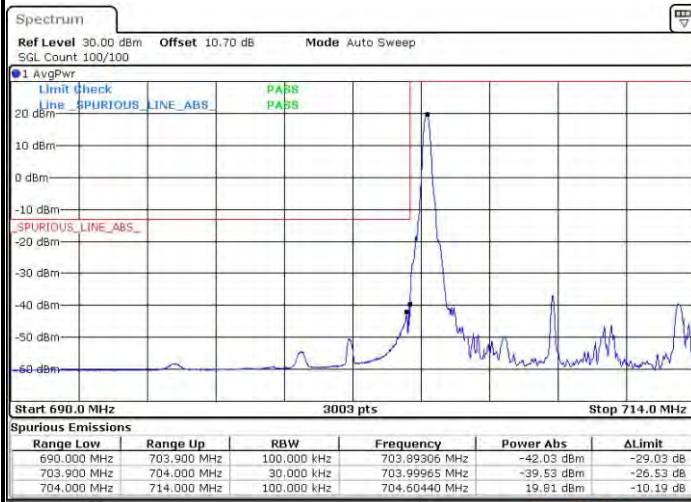
## Highest Band Edge / Full RB



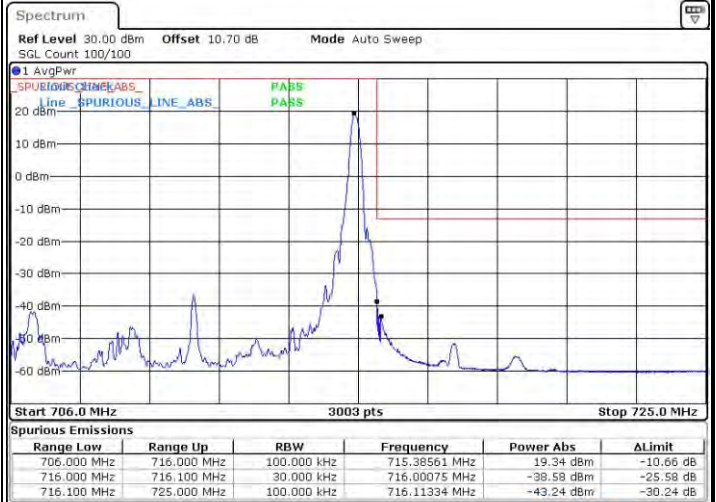


## LTE Band 17 / 10MHz / 16QAM

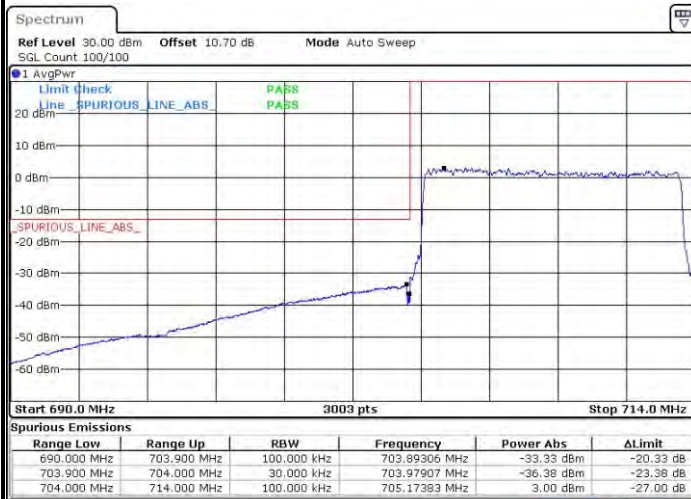
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



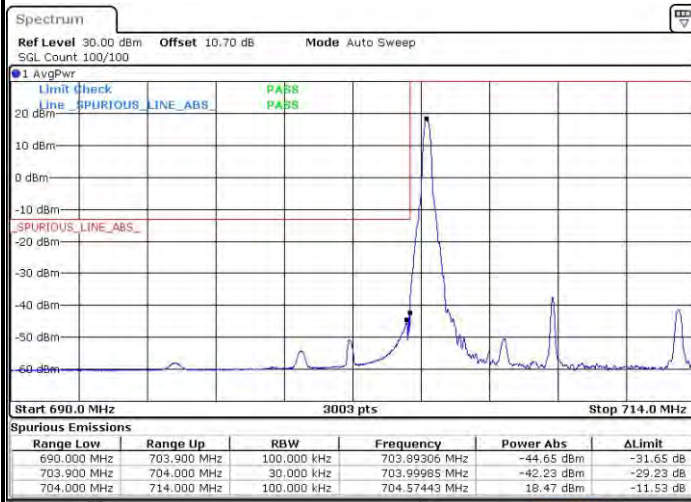
## Highest Band Edge / Full RB



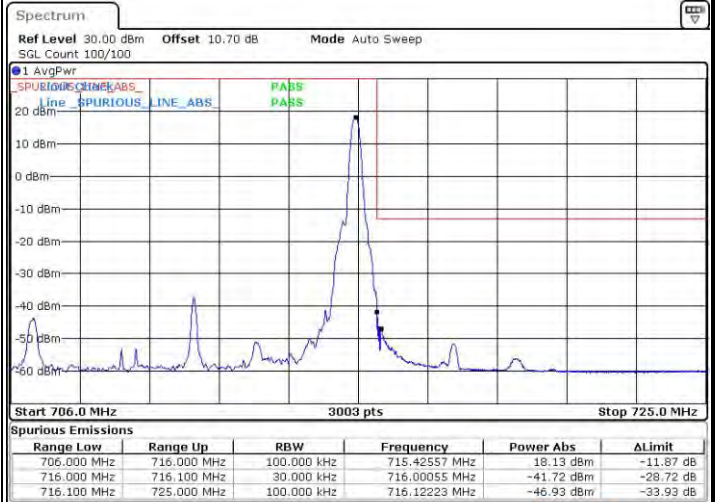


## LTE Band 17 / 10MHz / 64QAM

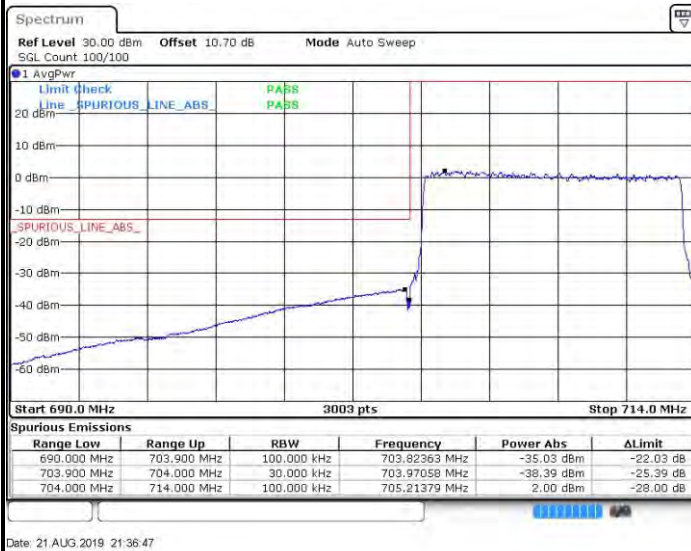
## Lowest Band Edge / 1 RB



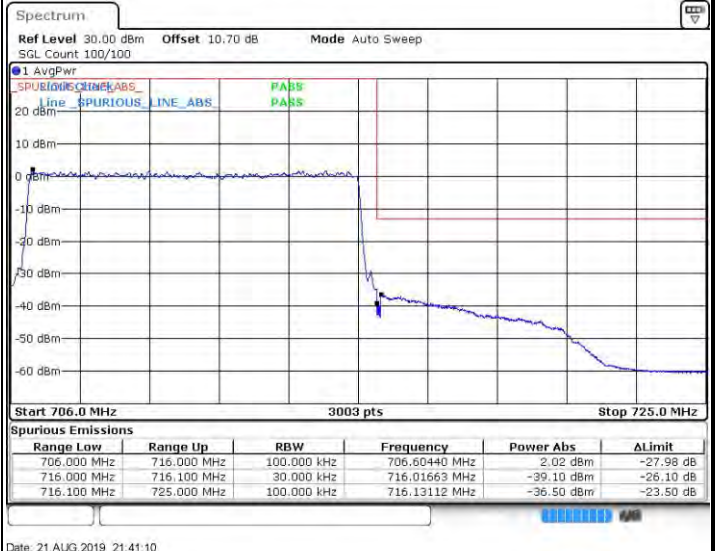
## Highest Band Edge / 1 RB

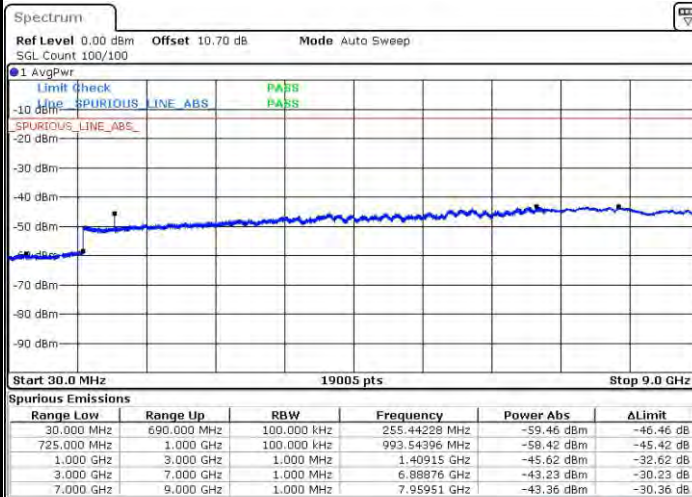


## Lowest Band Edge / Full RB

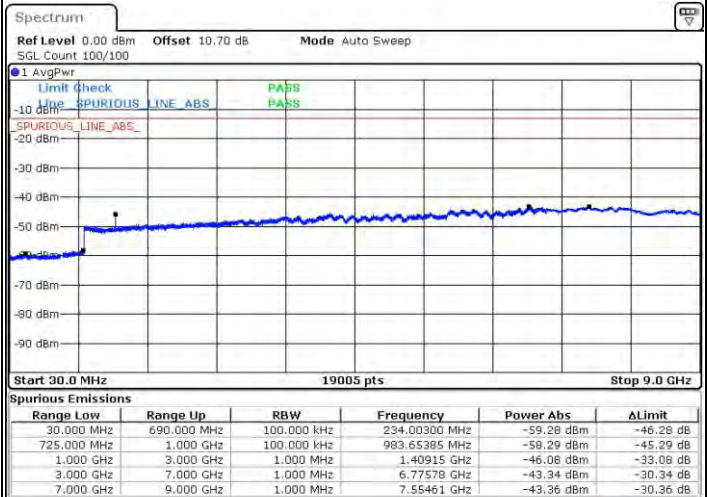


## Highest Band Edge / Full RB

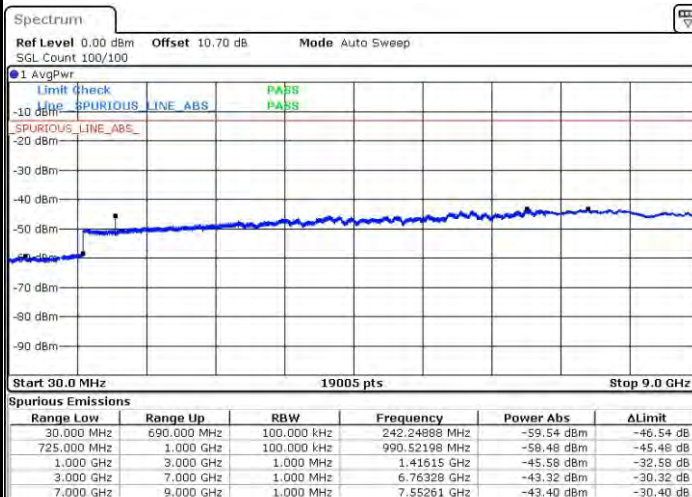


**Conducted Spurious Emission****LTE Band 17 / 5MHz****Lowest Channel / QPSK**

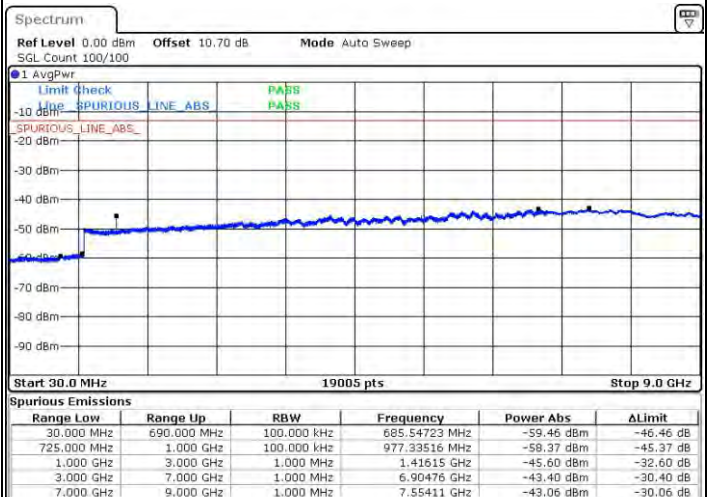
Date: 21 AUG 2019 21:01:58

**Lowest Channel / 16QAM**

Date: 21 AUG 2019 21:02:44

**Middle Channel / QPSK**

Date: 21 AUG 2019 21:04:18

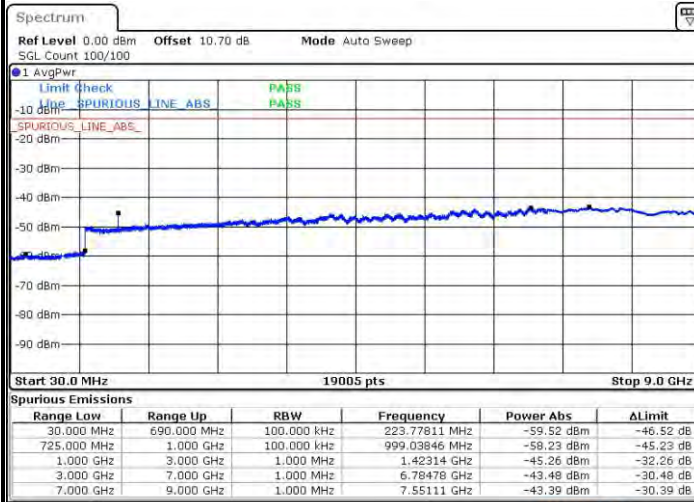
**Middle Channel / 16QAM**

Date: 21 AUG 2019 21:05:04



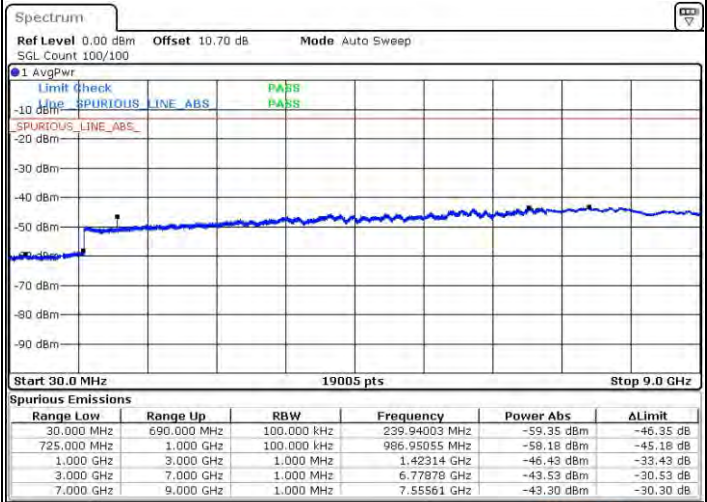
## LTE Band 17 / 5MHz

## Highest Channel / QPSK



Date: 21 AUG 2019 21:10:44

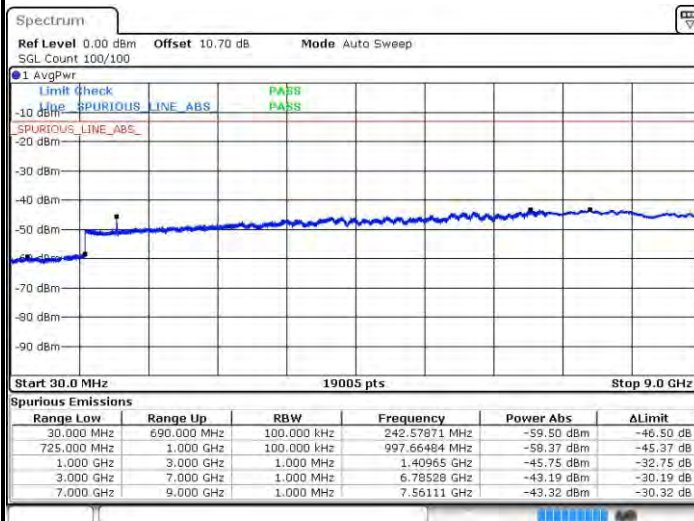
## Highest Channel / 16QAM



Date: 21 AUG 2019 21:11:30

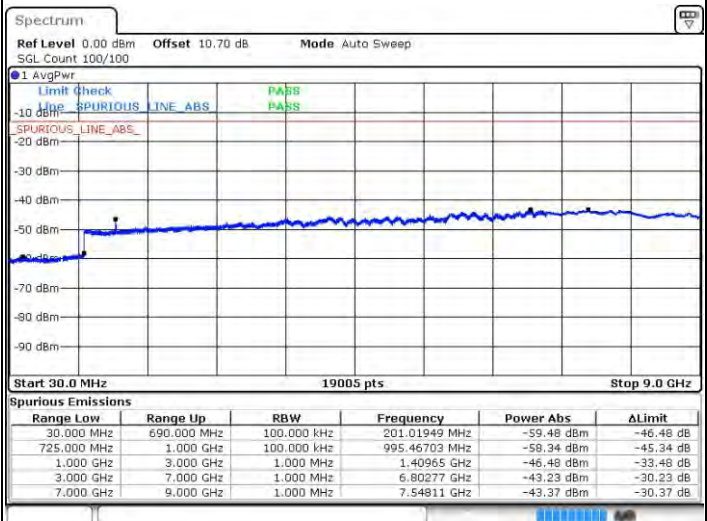
## LTE Band 17 / 10MHz

## Lowest Channel / QPSK



Date: 21 AUG 2019 21:17:12

## Lowest Channel / 16QAM

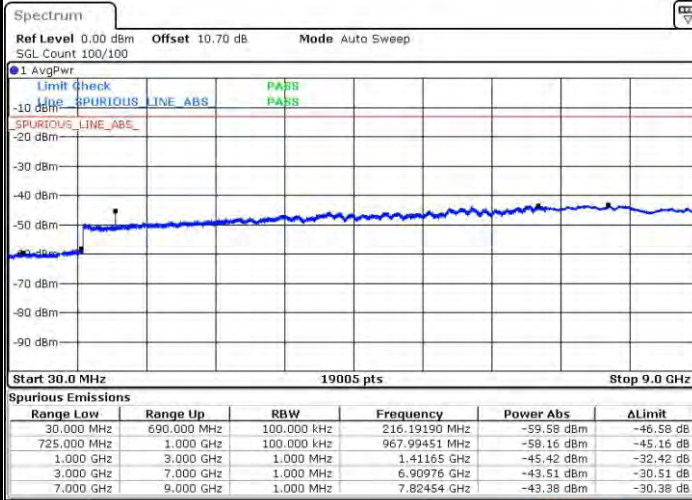


Date: 21 AUG 2019 21:17:58



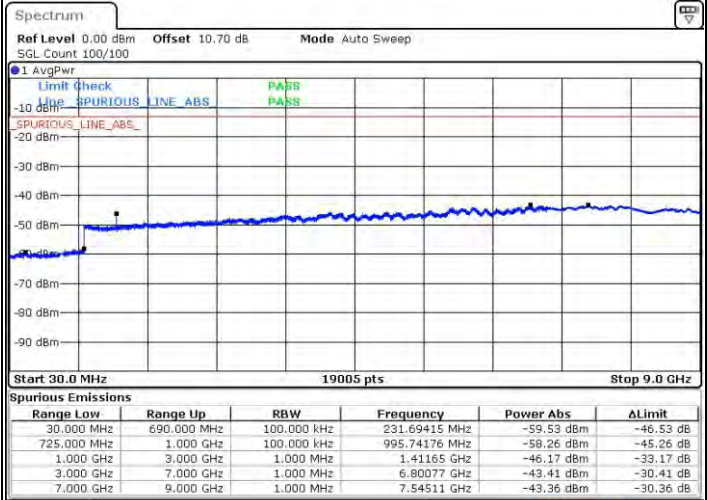
## LTE Band 17 / 10MHz

## Middle Channel / QPSK



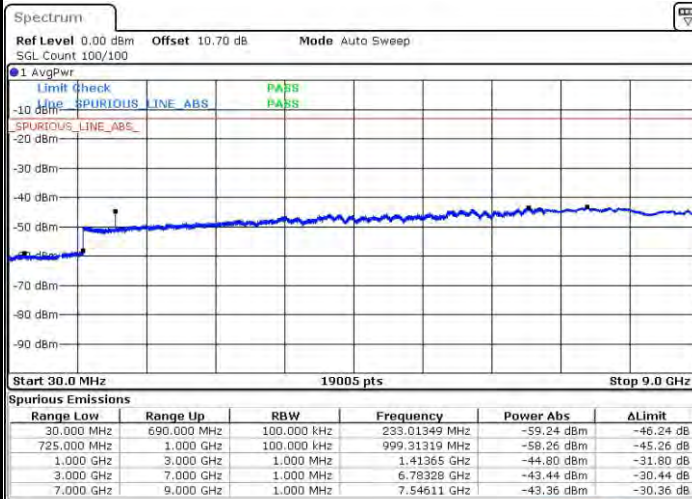
Date: 21 AUG 2019 21:19:32

## Middle Channel / 16QAM



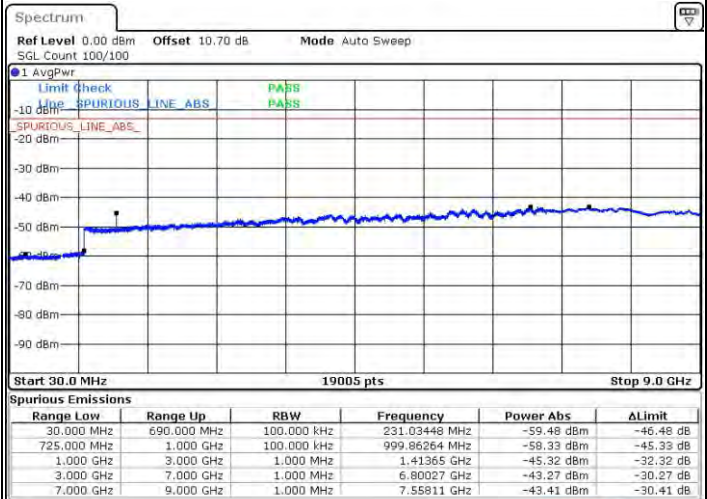
Date: 21 AUG 2019 21:20:18

## Highest Channel / QPSK



Date: 21 AUG 2019 21:25:58

## Highest Channel / 16QAM

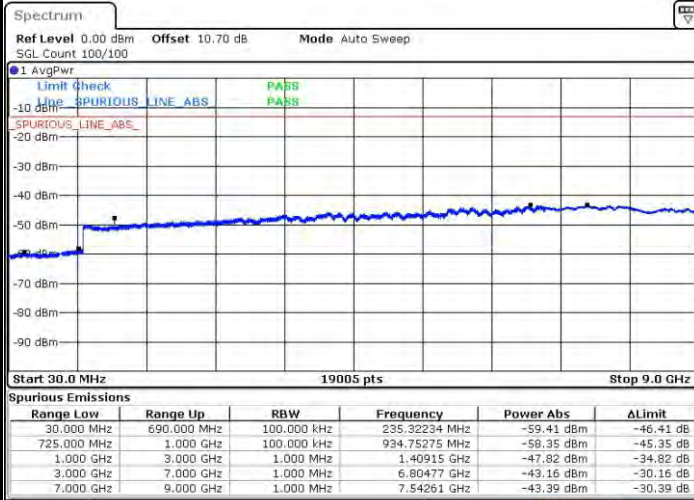


Date: 21 AUG 2019 21:26:44



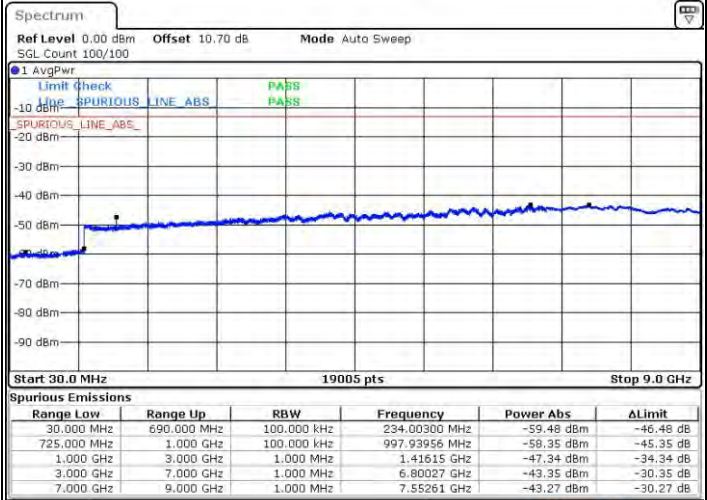
## LTE Band 17 / 5MHz

## Lowest Channel / 64QAM



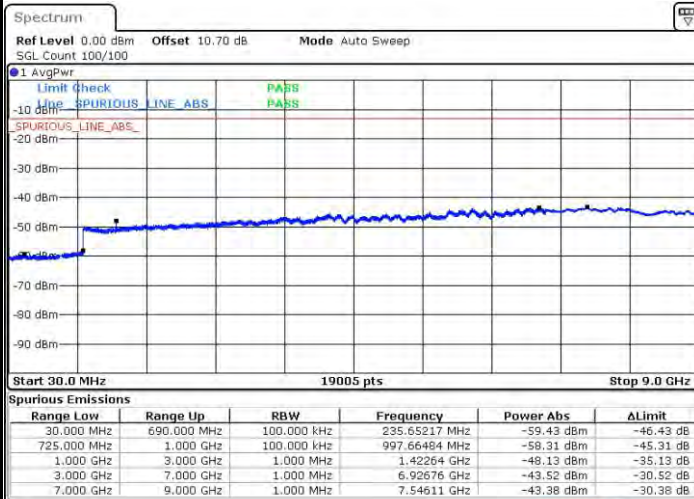
Date: 21 AUG 2019 21:29:58

## Middle Channel / 64QAM



Date: 21 AUG 2019 21:31:08

## Highest Channel / 64QAM

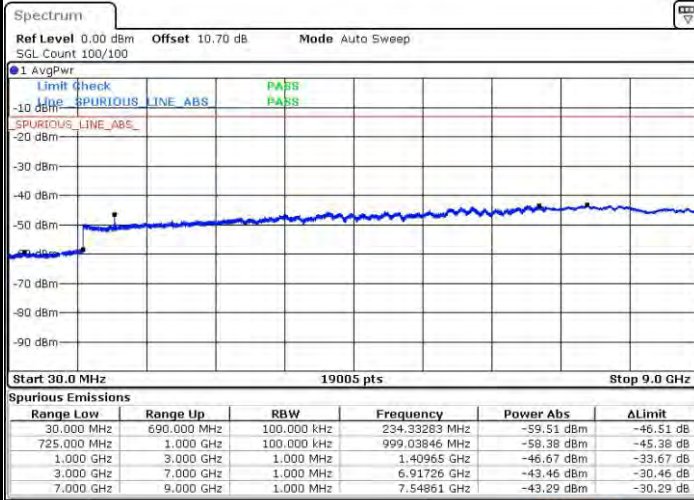


Date: 21 AUG 2019 21:34:21



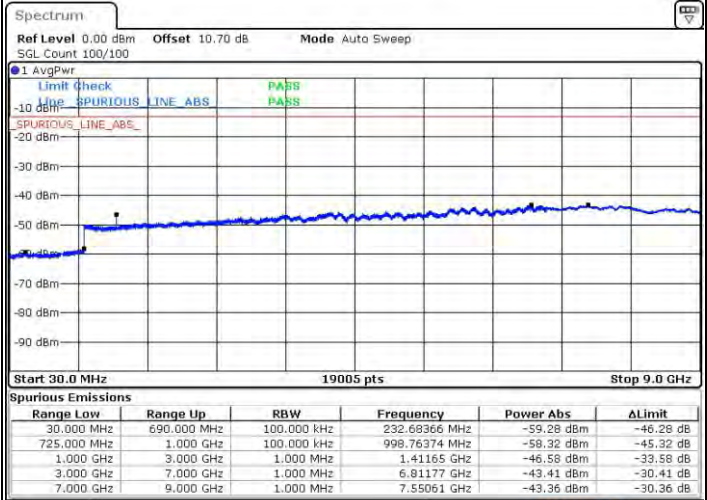
## LTE Band 17 / 10MHz

## Lowest Channel / 64QAM



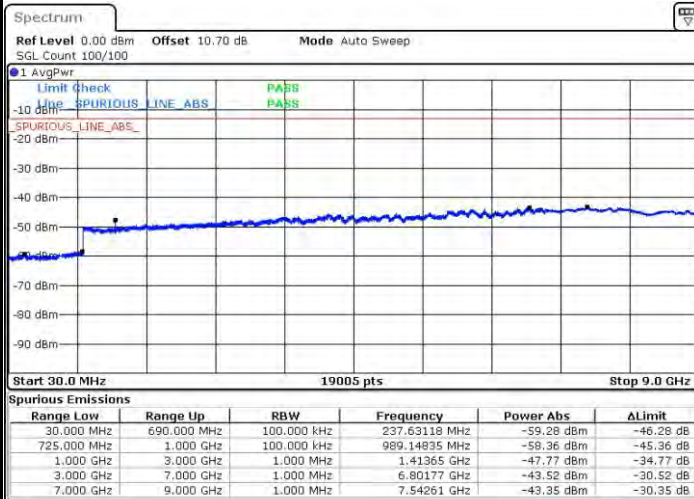
Date: 21 AUG 2019 21:37:34

## Middle Channel / 64QAM



Date: 21 AUG 2019 21:38:44

## Highest Channel / 64QAM



Date: 21 AUG 2019 21:41:56

## Frequency Stability

| Test Conditions  |                   | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0003                              | PASS    |
| 40               | Normal Voltage    | 0.0118                              |         |
| 30               | Normal Voltage    | 0.0015                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0004                              |         |
| 0                | Normal Voltage    | 0.0008                              |         |
| -10              | Normal Voltage    | 0.0006                              |         |
| -20              | Normal Voltage    | 0.0021                              |         |
| -30              | Normal Voltage    | 0.0137                              |         |
| 20               | Maximum Voltage   | 0.0013                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0015                              |         |

**Note:**

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



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

## ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) (GT - LC = 0.1 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 3    | 1      | 23.54       | 0.2259        | 23.64     | 0.2312  |
| Middle                                           |           | 3    | 1      | 23.78       | 0.2388        | 23.88     | 0.2443  |
| Highest                                          |           | 3    | 1      | 23.59       | 0.2286        | 23.69     | 0.2339  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.51       | 0.1782        | 22.61     | 0.1824  |
| Middle                                           |           | 1    | 0      | 22.97       | 0.1982        | 23.07     | 0.2028  |
| Highest                                          |           | 1    | 0      | 22.74       | 0.1879        | 22.84     | 0.1923  |
| Lowest                                           | 64QAM     | 3    | 1      | 21.59       | 0.1442        | 21.69     | 0.1476  |
| Middle                                           |           | 3    | 1      | 22.00       | 0.1585        | 22.10     | 0.1622  |
| Highest                                          |           | 3    | 1      | 21.74       | 0.1493        | 21.84     | 0.1528  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 3MHz (Average) (GT - LC = 0.1 dB) |           |      |        |             |               |           |         |
|------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                        | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                         | QPSK      | 1    | 8      | 23.46       | 0.2218        | 23.56     | 0.2270  |
| Middle                                         |           | 1    | 8      | 23.71       | 0.2350        | 23.81     | 0.2404  |
| Highest                                        |           | 1    | 8      | 23.55       | 0.2265        | 23.65     | 0.2317  |
| Lowest                                         | 16QAM     | 1    | 0      | 22.54       | 0.1795        | 22.64     | 0.1837  |
| Middle                                         |           | 1    | 0      | 22.99       | 0.1991        | 23.09     | 0.2037  |
| Highest                                        |           | 1    | 0      | 22.84       | 0.1923        | 22.94     | 0.1968  |
| Lowest                                         | 64QAM     | 1    | 8      | 21.55       | 0.1429        | 21.65     | 0.1462  |
| Middle                                         |           | 1    | 8      | 21.96       | 0.1570        | 22.06     | 0.1607  |
| Highest                                        |           | 1    | 8      | 21.77       | 0.1503        | 21.87     | 0.1538  |
| Limit                                          | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 5MHz (Average) (GT - LC = 0.1 dB) |           |      |        |             |               |           |         |
|------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                        | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                         | QPSK      | 1    | 12     | 23.49       | 0.2234        | 23.59     | 0.2286  |
| Middle                                         |           | 1    | 12     | 23.71       | 0.2350        | 23.81     | 0.2404  |
| Highest                                        |           | 1    | 12     | 23.55       | 0.2265        | 23.65     | 0.2317  |
| Lowest                                         | 16QAM     | 1    | 12     | 22.58       | 0.1811        | 22.68     | 0.1854  |
| Middle                                         |           | 1    | 12     | 22.99       | 0.1991        | 23.09     | 0.2037  |
| Highest                                        |           | 1    | 12     | 22.85       | 0.1928        | 22.95     | 0.1972  |
| Lowest                                         | 64QAM     | 1    | 0      | 21.55       | 0.1429        | 21.65     | 0.1462  |
| Middle                                         |           | 1    | 0      | 21.97       | 0.1574        | 22.07     | 0.1611  |
| Highest                                        |           | 1    | 0      | 21.80       | 0.1514        | 21.90     | 0.1549  |
| Limit                                          | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 2 / 10MHz (Average) (GT - LC = 0.1 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 23.59       | 0.2286        | 23.69     | 0.2339  |
| Middle                                          |           | 1    | 0      | 23.75       | 0.2371        | 23.85     | 0.2427  |
| Highest                                         |           | 1    | 0      | 23.55       | 0.2265        | 23.65     | 0.2317  |
| Lowest                                          | 16QAM     | 1    | 25     | 22.63       | 0.1832        | 22.73     | 0.1875  |
| Middle                                          |           | 1    | 25     | 22.99       | 0.1991        | 23.09     | 0.2037  |
| Highest                                         |           | 1    | 25     | 22.92       | 0.1959        | 23.02     | 0.2004  |
| Lowest                                          | 64QAM     | 1    | 25     | 21.60       | 0.1445        | 21.70     | 0.1479  |
| Middle                                          |           | 1    | 25     | 22.00       | 0.1585        | 22.10     | 0.1622  |
| Highest                                         |           | 1    | 25     | 21.85       | 0.1531        | 21.95     | 0.1567  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 15MHz (Average) (GT - LC = 0.1 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 23.45       | 0.2213        | 23.55     | 0.2265  |
| Middle                                          |           | 1    | 0      | 23.74       | 0.2366        | 23.84     | 0.2421  |
| Highest                                         |           | 1    | 0      | 23.48       | 0.2228        | 23.58     | 0.2280  |
| Lowest                                          | 16QAM     | 1    | 0      | 22.58       | 0.1811        | 22.68     | 0.1854  |
| Middle                                          |           | 1    | 0      | 23.00       | 0.1995        | 23.10     | 0.2042  |
| Highest                                         |           | 1    | 0      | 22.75       | 0.1884        | 22.85     | 0.1928  |
| Lowest                                          | 64QAM     | 1    | 0      | 21.56       | 0.1432        | 21.66     | 0.1466  |
| Middle                                          |           | 1    | 0      | 22.00       | 0.1585        | 22.10     | 0.1622  |
| Highest                                         |           | 1    | 0      | 21.73       | 0.1489        | 21.83     | 0.1524  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 20MHz (Average) (GT - LC = 0.1 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 99     | 23.56       | 0.2270        | 23.66     | 0.2323  |
| Middle                                          |           | 1    | 99     | 23.76       | 0.2377        | 23.86     | 0.2432  |
| Highest                                         |           | 1    | 99     | 23.58       | 0.2280        | 23.68     | 0.2333  |
| Lowest                                          | 16QAM     | 1    | 0      | 22.60       | 0.1820        | 22.70     | 0.1862  |
| Middle                                          |           | 1    | 0      | 23.00       | 0.1995        | 23.10     | 0.2042  |
| Highest                                         |           | 1    | 0      | 22.79       | 0.1901        | 22.89     | 0.1945  |
| Lowest                                          | 64QAM     | 1    | 49     | 21.73       | 0.1489        | 21.83     | 0.1524  |
| Middle                                          |           | 1    | 49     | 22.01       | 0.1589        | 22.11     | 0.1626  |
| Highest                                         |           | 1    | 49     | 21.83       | 0.1524        | 21.93     | 0.1560  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 1.4MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 3    | 1      | 23.49       | 0.2234        | 23.29     | 0.2133  |
| Middle                                            |           | 3    | 1      | 23.59       | 0.2286        | 23.39     | 0.2183  |
| Highest                                           |           | 3    | 1      | 23.66       | 0.2323        | 23.46     | 0.2218  |
| Lowest                                            | 16QAM     | 1    | 3      | 22.70       | 0.1862        | 22.50     | 0.1778  |
| Middle                                            |           | 1    | 3      | 22.80       | 0.1905        | 22.60     | 0.1820  |
| Highest                                           |           | 1    | 3      | 22.92       | 0.1959        | 22.72     | 0.1871  |
| Lowest                                            | 64QAM     | 1    | 3      | 21.64       | 0.1459        | 21.44     | 0.1393  |
| Middle                                            |           | 1    | 3      | 21.76       | 0.1500        | 21.56     | 0.1432  |
| Highest                                           |           | 1    | 3      | 21.91       | 0.1552        | 21.71     | 0.1483  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 3MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 23.43       | 0.2203        | 23.23     | 0.2104  |
| Middle                                          |           | 1    | 0      | 23.53       | 0.2254        | 23.33     | 0.2153  |
| Highest                                         |           | 1    | 0      | 23.63       | 0.2307        | 23.43     | 0.2203  |
| Lowest                                          | 16QAM     | 1    | 0      | 22.62       | 0.1828        | 22.42     | 0.1746  |
| Middle                                          |           | 1    | 0      | 22.74       | 0.1879        | 22.54     | 0.1795  |
| Highest                                         |           | 1    | 0      | 22.93       | 0.1963        | 22.73     | 0.1875  |
| Lowest                                          | 64QAM     | 1    | 8      | 21.68       | 0.1472        | 21.48     | 0.1406  |
| Middle                                          |           | 1    | 8      | 21.77       | 0.1503        | 21.57     | 0.1435  |
| Highest                                         |           | 1    | 8      | 21.92       | 0.1556        | 21.72     | 0.1486  |
| Limit                                           | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 5MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 12     | 23.42       | 0.2198        | 23.22     | 0.2099  |
| Middle                                          |           | 1    | 12     | 23.53       | 0.2254        | 23.33     | 0.2153  |
| Highest                                         |           | 1    | 12     | 23.57       | 0.2275        | 23.37     | 0.2173  |
| Lowest                                          | 16QAM     | 1    | 0      | 22.68       | 0.1854        | 22.48     | 0.1770  |
| Middle                                          |           | 1    | 0      | 22.79       | 0.1901        | 22.59     | 0.1816  |
| Highest                                         |           | 1    | 0      | 23.00       | 0.1995        | 22.80     | 0.1905  |
| Lowest                                          | 64QAM     | 1    | 0      | 21.63       | 0.1455        | 21.43     | 0.1390  |
| Middle                                          |           | 1    | 0      | 21.78       | 0.1507        | 21.58     | 0.1439  |
| Highest                                         |           | 1    | 0      | 21.94       | 0.1563        | 21.74     | 0.1493  |
| Limit                                           | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 10MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.48       | 0.2228        | 23.28     | 0.2128  |
| Middle                                           |           | 1    | 0      | 23.54       | 0.2259        | 23.34     | 0.2158  |
| Highest                                          |           | 1    | 0      | 23.58       | 0.2280        | 23.38     | 0.2178  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.74       | 0.1879        | 22.54     | 0.1795  |
| Middle                                           |           | 1    | 0      | 22.82       | 0.1914        | 22.62     | 0.1828  |
| Highest                                          |           | 1    | 0      | 22.95       | 0.1972        | 22.75     | 0.1884  |
| Lowest                                           | 64QAM     | 1    | 25     | 21.76       | 0.1500        | 21.56     | 0.1432  |
| Middle                                           |           | 1    | 25     | 21.76       | 0.1500        | 21.56     | 0.1432  |
| Highest                                          |           | 1    | 25     | 21.99       | 0.1581        | 21.79     | 0.1510  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 15MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.58       | 0.2280        | 23.38     | 0.2178  |
| Middle                                           |           | 1    | 0      | 23.57       | 0.2275        | 23.37     | 0.2173  |
| Highest                                          |           | 1    | 0      | 23.57       | 0.2275        | 23.37     | 0.2173  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.81       | 0.1910        | 22.61     | 0.1824  |
| Middle                                           |           | 1    | 0      | 22.79       | 0.1901        | 22.59     | 0.1816  |
| Highest                                          |           | 1    | 0      | 23.00       | 0.1995        | 22.80     | 0.1905  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.79       | 0.1510        | 21.59     | 0.1442  |
| Middle                                           |           | 1    | 0      | 21.78       | 0.1507        | 21.58     | 0.1439  |
| Highest                                          |           | 1    | 0      | 21.99       | 0.1581        | 21.79     | 0.1510  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 20MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 99     | 23.55       | 0.2265        | 23.35     | 0.2163  |
| Middle                                           |           | 1    | 99     | 23.59       | 0.2286        | 23.39     | 0.2183  |
| Highest                                          |           | 1    | 99     | 23.59       | 0.2286        | 23.39     | 0.2183  |
| Lowest                                           | 16QAM     | 1    | 49     | 22.76       | 0.1888        | 22.56     | 0.1803  |
| Middle                                           |           | 1    | 49     | 22.83       | 0.1919        | 22.63     | 0.1832  |
| Highest                                          |           | 1    | 49     | 22.99       | 0.1991        | 22.79     | 0.1901  |
| Lowest                                           | 64QAM     | 1    | 49     | 21.75       | 0.1496        | 21.55     | 0.1429  |
| Middle                                           |           | 1    | 49     | 21.80       | 0.1514        | 21.60     | 0.1445  |
| Highest                                          |           | 1    | 49     | 21.94       | 0.1563        | 21.74     | 0.1493  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 5 / 1.4MHz (Average) (GT - LC = -4.3 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 3    | 0      | 24.06       | 0.2547        | 17.61    | 0.0577 |
| Middle                                            |          | 3    | 0      | 24.15       | 0.2600        | 17.70    | 0.0589 |
| Highest                                           |          | 3    | 0      | 24.22       | 0.2642        | 17.77    | 0.0598 |
| Lowest                                            | 16QAM    | 1    | 3      | 23.42       | 0.2198        | 16.97    | 0.0498 |
| Middle                                            |          | 1    | 3      | 23.53       | 0.2254        | 17.08    | 0.0511 |
| Highest                                           |          | 1    | 3      | 23.56       | 0.2270        | 17.11    | 0.0514 |
| Lowest                                            | 64QAM    | 1    | 3      | 22.35       | 0.1718        | 15.90    | 0.0389 |
| Middle                                            |          | 1    | 3      | 22.44       | 0.1754        | 15.99    | 0.0397 |
| Highest                                           |          | 1    | 3      | 22.40       | 0.1738        | 15.95    | 0.0394 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 3MHz (Average) (GT - LC = -4.3 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 0      | 24.10       | 0.2570        | 17.65    | 0.0582 |
| Middle                                          |          | 1    | 0      | 24.19       | 0.2624        | 17.74    | 0.0594 |
| Highest                                         |          | 1    | 0      | 24.16       | 0.2606        | 17.71    | 0.0590 |
| Lowest                                          | 16QAM    | 1    | 8      | 23.45       | 0.2213        | 17.00    | 0.0501 |
| Middle                                          |          | 1    | 8      | 23.50       | 0.2239        | 17.05    | 0.0507 |
| Highest                                         |          | 1    | 8      | 23.48       | 0.2228        | 17.03    | 0.0505 |
| Lowest                                          | 64QAM    | 1    | 8      | 22.36       | 0.1722        | 15.91    | 0.0390 |
| Middle                                          |          | 1    | 8      | 22.48       | 0.1770        | 16.03    | 0.0401 |
| Highest                                         |          | 1    | 8      | 22.42       | 0.1746        | 15.97    | 0.0395 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 5MHz (Average) (GT - LC = -4.3 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 0      | 24.08       | 0.2559        | 17.63    | 0.0579 |
| Middle                                          |          | 1    | 0      | 24.18       | 0.2618        | 17.73    | 0.0593 |
| Highest                                         |          | 1    | 0      | 24.07       | 0.2553        | 17.62    | 0.0578 |
| Lowest                                          | 16QAM    | 1    | 0      | 23.43       | 0.2203        | 16.98    | 0.0499 |
| Middle                                          |          | 1    | 0      | 23.50       | 0.2239        | 17.05    | 0.0507 |
| Highest                                         |          | 1    | 0      | 23.42       | 0.2198        | 16.97    | 0.0498 |
| Lowest                                          | 64QAM    | 1    | 0      | 22.37       | 0.1726        | 15.92    | 0.0391 |
| Middle                                          |          | 1    | 0      | 22.46       | 0.1762        | 16.01    | 0.0399 |
| Highest                                         |          | 1    | 0      | 22.34       | 0.1714        | 15.89    | 0.0388 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 5 / 10MHz (Average) (GT - LC = -4.3 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 49     | 24.23       | 0.2649        | 17.78    | 0.0600 |
| Middle                                           |          | 1    | 49     | 24.22       | 0.2642        | 17.77    | 0.0598 |
| Highest                                          |          | 1    | 49     | 24.16       | 0.2606        | 17.71    | 0.0590 |
| Lowest                                           | 16QAM    | 1    | 49     | 23.49       | 0.2234        | 17.04    | 0.0506 |
| Middle                                           |          | 1    | 49     | 23.50       | 0.2239        | 17.05    | 0.0507 |
| Highest                                          |          | 1    | 49     | 23.49       | 0.2234        | 17.04    | 0.0506 |
| Lowest                                           | 64QAM    | 1    | 25     | 22.44       | 0.1754        | 15.99    | 0.0397 |
| Middle                                           |          | 1    | 25     | 22.47       | 0.1766        | 16.02    | 0.0400 |
| Highest                                          |          | 1    | 25     | 22.38       | 0.1730        | 15.93    | 0.0392 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 12 / 1.4MHz (Average) (GT - LC = -4.1 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 3    | 1      | 24.75       | 0.2985        | 18.50    | 0.0708 |
| Middle                                             |          | 3    | 1      | 24.62       | 0.2897        | 18.37    | 0.0687 |
| Highest                                            |          | 3    | 1      | 24.61       | 0.2891        | 18.36    | 0.0685 |
| Lowest                                             | 16QAM    | 3    | 1      | 23.77       | 0.2382        | 17.52    | 0.0565 |
| Middle                                             |          | 3    | 1      | 23.64       | 0.2312        | 17.39    | 0.0548 |
| Highest                                            |          | 3    | 1      | 23.63       | 0.2307        | 17.38    | 0.0547 |
| Lowest                                             | 64QAM    | 3    | 1      | 22.89       | 0.1945        | 16.64    | 0.0461 |
| Middle                                             |          | 3    | 1      | 22.76       | 0.1888        | 16.51    | 0.0448 |
| Highest                                            |          | 3    | 1      | 22.75       | 0.1884        | 16.50    | 0.0447 |
| Limit                                              | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 12 / 3MHz (Average) (GT - LC = -4.1 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 14     | 24.79       | 0.3013        | 18.54    | 0.0714 |
| Middle                                           |          | 1    | 14     | 24.69       | 0.2944        | 18.44    | 0.0698 |
| Highest                                          |          | 1    | 14     | 24.40       | 0.2754        | 18.15    | 0.0653 |
| Lowest                                           | 16QAM    | 1    | 0      | 23.79       | 0.2393        | 17.54    | 0.0568 |
| Middle                                           |          | 1    | 0      | 23.85       | 0.2427        | 17.60    | 0.0575 |
| Highest                                          |          | 1    | 0      | 23.97       | 0.2495        | 17.72    | 0.0592 |
| Lowest                                           | 64QAM    | 1    | 8      | 22.99       | 0.1991        | 16.74    | 0.0472 |
| Middle                                           |          | 1    | 8      | 22.88       | 0.1941        | 16.63    | 0.0460 |
| Highest                                          |          | 1    | 8      | 22.66       | 0.1845        | 16.41    | 0.0438 |
| Limit                                            | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 12 / 5MHz (Average) (GT - LC = -4.1 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 24     | 24.84       | 0.3048        | 18.59    | 0.0723 |
| Middle                                           |          | 1    | 24     | 24.77       | 0.2999        | 18.52    | 0.0711 |
| Highest                                          |          | 1    | 24     | 24.50       | 0.2818        | 18.25    | 0.0668 |
| Lowest                                           | 16QAM    | 1    | 0      | 23.83       | 0.2415        | 17.58    | 0.0573 |
| Middle                                           |          | 1    | 0      | 23.88       | 0.2443        | 17.63    | 0.0579 |
| Highest                                          |          | 1    | 0      | 23.98       | 0.2500        | 17.73    | 0.0593 |
| Lowest                                           | 64QAM    | 1    | 12     | 22.99       | 0.1991        | 16.74    | 0.0472 |
| Middle                                           |          | 1    | 12     | 22.93       | 0.1963        | 16.68    | 0.0466 |
| Highest                                          |          | 1    | 12     | 22.76       | 0.1888        | 16.51    | 0.0448 |
| Limit                                            | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 12 / 10MHz (Average) (GT - LC = -4.1 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 25     | 24.83       | 0.3041        | 18.58    | 0.0721 |
| Middle                                            |          | 1    | 25     | 24.88       | 0.3076        | 18.63    | 0.0729 |
| Highest                                           |          | 1    | 25     | 24.77       | 0.2999        | 18.52    | 0.0711 |
| Lowest                                            | 16QAM    | 1    | 49     | 23.87       | 0.2438        | 17.62    | 0.0578 |
| Middle                                            |          | 1    | 49     | 23.95       | 0.2483        | 17.70    | 0.0589 |
| Highest                                           |          | 1    | 49     | 23.99       | 0.2506        | 17.74    | 0.0594 |
| Lowest                                            | 64QAM    | 1    | 25     | 22.99       | 0.1991        | 16.74    | 0.0472 |
| Middle                                            |          | 1    | 25     | 23.00       | 0.1995        | 16.75    | 0.0473 |
| Highest                                           |          | 1    | 25     | 23.00       | 0.1995        | 16.75    | 0.0473 |
| Limit                                             | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 17 / 5MHz (Average) (GT - LC = -3.8 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 24     | 24.86       | 0.3062        | 18.91    | 0.0778 |
| Middle                                           |          | 1    | 24     | 24.64       | 0.2911        | 18.69    | 0.0740 |
| Highest                                          |          | 1    | 24     | 24.59       | 0.2877        | 18.64    | 0.0731 |
| Lowest                                           | 16QAM    | 1    | 12     | 23.93       | 0.2472        | 17.98    | 0.0628 |
| Middle                                           |          | 1    | 12     | 23.99       | 0.2506        | 18.04    | 0.0637 |
| Highest                                          |          | 1    | 12     | 23.75       | 0.2371        | 17.80    | 0.0603 |
| Lowest                                           | 64QAM    | 1    | 24     | 22.90       | 0.1950        | 16.95    | 0.0495 |
| Middle                                           |          | 1    | 24     | 22.73       | 0.1875        | 16.78    | 0.0476 |
| Highest                                          |          | 1    | 24     | 22.64       | 0.1837        | 16.69    | 0.0467 |
| Limit                                            | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 17 / 10MHz (Average) (GT - LC = -3.8 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 25     | 24.83       | 0.3041        | 18.88    | 0.0773 |
| Middle                                            |          | 1    | 25     | 24.87       | 0.3069        | 18.92    | 0.0780 |
| Highest                                           |          | 1    | 25     | 24.81       | 0.3027        | 18.86    | 0.0769 |
| Lowest                                            | 16QAM    | 1    | 49     | 24.00       | 0.2512        | 18.05    | 0.0638 |
| Middle                                            |          | 1    | 49     | 23.97       | 0.2495        | 18.02    | 0.0634 |
| Highest                                           |          | 1    | 49     | 23.96       | 0.2489        | 18.01    | 0.0632 |
| Lowest                                            | 64QAM    | 1    | 0      | 22.93       | 0.1963        | 16.98    | 0.0499 |
| Middle                                            |          | 1    | 0      | 22.82       | 0.1914        | 16.87    | 0.0486 |
| Highest                                           |          | 1    | 0      | 22.81       | 0.1910        | 16.86    | 0.0485 |
| Limit                                             | ERP < 3W |      |        | Result      |               | PASS     |        |

**Radiated Spurious Emission**

&lt;Main Antenna&gt;

**LTE Band 2**

| LTE Band 2 / 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                    | 3702                 | -56.02          | -13              | -43.02                  | -77.15                  | -62.59                   | 1.67                       | 8.24                        | H                     |
|                           | 5556                 | -51.79          | -13              | -38.79                  | -77.27                  | -58.86                   | 2.66                       | 9.72                        | H                     |
|                           | 7404                 | -50.62          | -13              | -37.62                  | -78.14                  | -59.77                   | 2.46                       | 11.61                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3702                 | -50.92          | -13              | -37.92                  | -72.06                  | -57.49                   | 1.67                       | 8.24                        | V                     |
|                           | 5556                 | -51.51          | -13              | -38.51                  | -76.91                  | -58.58                   | 2.66                       | 9.72                        | V                     |
|                           | 7404                 | -48.96          | -13              | -35.96                  | -76.57                  | -58.11                   | 2.46                       | 11.61                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 3744                 | -55.27          | -13              | -42.27                  | -76.41                  | -61.88                   | 1.68                       | 8.29                        | H                     |
|                           | 5616                 | -49.42          | -13              | -36.42                  | -74.9                   | -56.47                   | 2.69                       | 9.75                        | H                     |
|                           | 7482                 | -50.15          | -13              | -37.15                  | -77.62                  | -59.48                   | 2.44                       | 11.76                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3744                 | -52.56          | -13              | -39.56                  | -73.67                  | -59.17                   | 1.68                       | 8.29                        | V                     |
|                           | 5616                 | -45.36          | -13              | -32.36                  | -70.88                  | -52.41                   | 2.69                       | 9.75                        | V                     |
|                           | 7482                 | -49.68          | -13              | -36.68                  | -77.25                  | -59.01                   | 2.44                       | 11.76                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



| LTE Band 2 / 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) |
| Highest                   | 3780                 | -56.24          | -13              | -43.24                  | -77.18                  | -62.88                   | 1.69                       | 8.34                        | H                     |
|                           | 5676                 | -51.64          | -13              | -38.64                  | -77.36                  | -58.68                   | 2.73                       | 9.77                        | H                     |
|                           | 7566                 | -49.14          | -13              | -36.14                  | -76.72                  | -58.57                   | 2.41                       | 11.84                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3780                 | -51.84          | -13              | -38.84                  | -72.95                  | -58.48                   | 1.69                       | 8.34                        | V                     |
|                           | 5676                 | -50.92          | -13              | -37.92                  | -76.47                  | -57.96                   | 2.73                       | 9.77                        | V                     |
|                           | 7566                 | -47.59          | -13              | -34.59                  | -75.44                  | -57.02                   | 2.41                       | 11.84                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 4**

| LTE Band 4 / 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                 | -47.02          | -13              | -34.02                  | -67.9                   | -53.09                   | 1.58                       | 7.65                        | H                     |
|                           | 5130                 | -53.47          | -13              | -40.47                  | -77.78                  | -60.76                   | 2.41                       | 9.70                        | H                     |
|                           | 6840                 | -51.17          | -13              | -38.17                  | -78.27                  | -59.14                   | 2.64                       | 10.61                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3420                 | -49.86          | -13              | -36.86                  | -70.81                  | -55.93                   | 1.58                       | 7.65                        | V                     |
|                           | 5130                 | -53.93          | -13              | -40.93                  | -78.11                  | -61.22                   | 2.41                       | 9.70                        | V                     |
|                           | 6840                 | -51.14          | -13              | -38.14                  | -78.14                  | -59.11                   | 2.64                       | 10.61                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 3450                 | -43.78          | -13              | -30.78                  | -64.73                  | -49.97                   | 1.59                       | 7.78                        | H                     |
|                           | 5166                 | -53.38          | -13              | -40.38                  | -77.84                  | -60.65                   | 2.43                       | 9.70                        | H                     |
|                           | 6888                 | -51.04          | -13              | -38.04                  | -78.2                   | -59.08                   | 2.63                       | 10.67                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3450                 | -48.09          | -13              | -35.09                  | -69.05                  | -54.28                   | 1.59                       | 7.78                        | V                     |
|                           | 5166                 | -53.46          | -13              | -40.46                  | -77.67                  | -60.73                   | 2.43                       | 9.70                        | V                     |
|                           | 6888                 | -50.98          | -13              | -37.98                  | -78.06                  | -59.02                   | 2.63                       | 10.67                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



| 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) |
| Highest                   | 3474                 | -47.42          | -13              | -34.42                  | -68.58                  | -53.71                   | 1.60                       | 7.89                        | H                     |
|                           | 5208                 | -52.49          | -13              | -39.49                  | -76.94                  | -59.73                   | 2.46                       | 9.70                        | H                     |
|                           | 6942                 | -50.88          | -13              | -37.88                  | -78                     | -59                      | 2.61                       | 10.73                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3474                 | -50.94          | -13              | -37.94                  | -72.03                  | -57.23                   | 1.60                       | 7.89                        | V                     |
|                           | 5208                 | -53.24          | -13              | -40.24                  | -77.61                  | -60.48                   | 2.46                       | 9.70                        | V                     |
|                           | 6942                 | -50.76          | -13              | -37.76                  | -77.99                  | -58.88                   | 2.61                       | 10.73                       | 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                    | 1648                 | -56.32         | -13              | -43.32                  | -68.39                  | -58.08                   | 0.98                       | 4.89                        | H                     |
|                           | 2472                 | -39.03         | -13              | -26.03                  | -56.26                  | -40.91                   | 1.28                       | 5.32                        | H                     |
|                           | 3296                 | -57.91         | -13              | -44.91                  | -77.24                  | -61.32                   | 1.54                       | 7.10                        | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1648                 | -59.66         | -13              | -46.66                  | -72.2                   | -61.42                   | 0.98                       | 4.89                        | V                     |
|                           | 2472                 | -41.61         | -13              | -28.61                  | -59.28                  | -43.49                   | 1.28                       | 5.32                        | V                     |
|                           | 3296                 | -57.39         | -13              | -44.39                  | -77.25                  | -60.8                    | 1.54                       | 7.10                        | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 1664                 | -53.31         | -13              | -40.31                  | -67.93                  | -55.02                   | 0.98                       | 4.84                        | H                     |
|                           | 2496                 | -41.14         | -13              | -28.14                  | -59.02                  | -43.09                   | 1.29                       | 5.39                        | H                     |
|                           | 3326                 | -57.41         | -13              | -44.41                  | -77.23                  | -60.94                   | 1.55                       | 7.23                        | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1664                 | -59.32         | -13              | -46.32                  | -72.39                  | -61.03                   | 0.98                       | 4.84                        | V                     |
|                           | 2496                 | -41.79         | -13              | -28.79                  | -59.88                  | -43.74                   | 1.29                       | 5.39                        | V                     |
|                           | 3326                 | -57.29         | -13              | -44.29                  | -77.4                   | -60.82                   | 1.55                       | 7.23                        | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |



| LTE Band 5 / 10MHz / 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) |
| Highest                   | 1680                 | -58.46          | -13              | -45.46                  | -70.93                  | -60.11                   | 0.99                       | 4.80                        | H                     |
|                           | 2520                 | -43.62          | -13              | -30.62                  | -61.06                  | -45.59                   | 1.30                       | 5.42                        | H                     |
|                           | 3352                 | -57.94          | -13              | -44.94                  | -77.69                  | -61.58                   | 1.56                       | 7.35                        | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1680                 | -60.34          | -13              | -47.34                  | -73.29                  | -61.99                   | 0.99                       | 4.80                        | V                     |
|                           | 2520                 | -44.41          | -13              | -31.41                  | -62.38                  | -46.38                   | 1.30                       | 5.42                        | V                     |
|                           | 3352                 | -57.83          | -13              | -44.83                  | -77.82                  | -61.47                   | 1.56                       | 7.35                        | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 12**

| LTE Band 12 / 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                     | 1400                 | -58.16         | -13              | -45.16                  | -68.85                  | -59.82                   | 0.87                       | 4.68                        | H                     |
|                            | 2096                 | -49.19         | -13              | -36.19                  | -65.02                  | -50.06                   | 1.16                       | 4.19                        | H                     |
|                            | 2792                 | -59.24         | -13              | -46.24                  | -77.23                  | -61.34                   | 1.38                       | 5.63                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1400                 | -55.68         | -13              | -42.68                  | -67.02                  | -57.34                   | 0.87                       | 4.68                        | V                     |
|                            | 2096                 | -49.54         | -13              | -36.54                  | -65.74                  | -50.41                   | 1.16                       | 4.19                        | V                     |
|                            | 2792                 | -58.49         | -13              | -45.49                  | -77.31                  | -60.59                   | 1.38                       | 5.63                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1408                 | -56.71         | -13              | -43.71                  | -67.41                  | -58.42                   | 0.87                       | 4.73                        | H                     |
|                            | 2112                 | -47.35         | -13              | -34.35                  | -63.16                  | -48.27                   | 1.17                       | 4.24                        | H                     |
|                            | 2808                 | -58.91         | -13              | -45.91                  | -76.85                  | -61.02                   | 1.39                       | 5.65                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -55.07         | -13              | -42.07                  | -66.28                  | -56.78                   | 0.87                       | 4.73                        | V                     |
|                            | 2112                 | -43.94         | -13              | -30.94                  | -60.09                  | -44.86                   | 1.17                       | 4.24                        | V                     |
|                            | 2808                 | -58.22         | -13              | -45.22                  | -77.05                  | -60.33                   | 1.39                       | 5.65                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



| LTE Band 12 / 10MHz / 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) |
| Highest                    | 1416                 | -57.77          | -13              | -44.77                  | -68.56                  | -59.52                   | 0.87                       | 4.78                        | H                     |
|                            | 2120                 | -45.88          | -13              | -32.88                  | -61.86                  | -46.82                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -58.84          | -13              | -45.84                  | -76.88                  | -60.96                   | 1.39                       | 5.66                        | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1416                 | -53.78          | -13              | -40.78                  | -65.10                  | -55.53                   | 0.87                       | 4.78                        | V                     |
|                            | 2120                 | -43.93          | -13              | -30.93                  | -60.19                  | -44.87                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -57.85          | -13              | -44.85                  | -76.52                  | -59.97                   | 1.39                       | 5.66                        | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 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                     | 1400                 | -56.45         | -13              | -43.45                  | -67.18                  | -58.16                   | 0.87                       | 4.73                        | H                     |
|                            | 2112                 | -48.23         | -13              | -35.23                  | -64.16                  | -49.15                   | 1.17                       | 4.24                        | H                     |
|                            | 2816                 | -59.12         | -13              | -46.12                  | -77.23                  | -61.23                   | 1.39                       | 5.65                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1400                 | -54.87         | -13              | -41.87                  | -66.15                  | -56.58                   | 0.87                       | 4.73                        | V                     |
|                            | 2112                 | -48.16         | -13              | -35.16                  | -64.39                  | -49.08                   | 1.17                       | 4.24                        | V                     |
|                            | 2816                 | -58.24         | -13              | -45.24                  | -77.24                  | -60.35                   | 1.39                       | 5.65                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1408                 | -57.06         | -13              | -44.06                  | -67.83                  | -58.77                   | 0.87                       | 4.73                        | H                     |
|                            | 2120                 | -48.51         | -13              | -35.51                  | -64.42                  | -49.45                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -58.91         | -13              | -45.91                  | -76.92                  | -61.03                   | 1.39                       | 5.66                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -54.16         | -13              | -41.16                  | -65.43                  | -55.87                   | 0.87                       | 4.73                        | V                     |
|                            | 2120                 | -47.95         | -13              | -34.95                  | -64.21                  | -48.89                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -58.21         | -13              | -45.21                  | -77.01                  | -60.33                   | 1.39                       | 5.66                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



| LTE Band 17 / 10MHz / 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) |
| Highest                    | 1416                 | -57.87          | -13              | -44.87                  | -68.57                  | -59.62                   | 0.87                       | 4.78                        | H                     |
|                            | 2120                 | -48.79          | -13              | -35.79                  | -64.70                  | -49.73                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -58.76          | -13              | -45.76                  | -76.80                  | -60.88                   | 1.39                       | 5.66                        | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1416                 | -55.07          | -13              | -42.07                  | -66.34                  | -56.82                   | 0.87                       | 4.78                        | V                     |
|                            | 2120                 | -48.21          | -13              | -35.21                  | -64.47                  | -49.15                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -58.06          | -13              | -45.06                  | -76.86                  | -60.18                   | 1.39                       | 5.66                        | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



&lt;Aux. Antenna&gt;

**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                    | 1648                 | -61.88         | -13              | -48.88                  | -74.32                  | -63.64                   | 0.98                       | 4.89                        | H                     |
|                           | 2472                 | -57.83         | -13              | -44.83                  | -75.49                  | -59.71                   | 1.28                       | 5.32                        | H                     |
|                           | 3296                 | -57.59         | -13              | -44.59                  | -77.27                  | -61                      | 1.54                       | 7.10                        | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1648                 | -61.92         | -13              | -48.92                  | -74.89                  | -63.68                   | 0.98                       | 4.89                        | V                     |
|                           | 2472                 | -58.24         | -13              | -45.24                  | -76.33                  | -60.12                   | 1.28                       | 5.32                        | V                     |
|                           | 3296                 | -57.42         | -13              | -44.42                  | -77.42                  | -60.83                   | 1.54                       | 7.10                        | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 1664                 | -60.11         | -13              | -47.11                  | -72.8                   | -61.82                   | 0.98                       | 4.84                        | H                     |
|                           | 2496                 | -56.11         | -13              | -43.11                  | -73.79                  | -58.06                   | 1.29                       | 5.39                        | H                     |
|                           | 3328                 | -57.35         | -13              | -44.35                  | -77.27                  | -60.89                   | 1.55                       | 7.24                        | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1664                 | -60.31         | -13              | -47.31                  | -73.41                  | -62.02                   | 0.98                       | 4.84                        | V                     |
|                           | 2496                 | -58.66         | -13              | -45.66                  | -76.83                  | -60.61                   | 1.29                       | 5.39                        | V                     |
|                           | 3328                 | -57.51         | -13              | -44.51                  | -77.66                  | -61.05                   | 1.55                       | 7.24                        | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |



| 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) |
| Highest                   | 1680                 | -61.74         | -13              | -48.74                  | -74.41                  | -63.39                   | 0.99                       | 4.80                        | H                     |
|                           | 2520                 | -59.34         | -13              | -46.34                  | -77.03                  | -61.31                   | 1.30                       | 5.42                        | H                     |
|                           | 3352                 | -57.57         | -13              | -44.57                  | -77.58                  | -61.21                   | 1.56                       | 7.35                        | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1680                 | -61.72         | -13              | -48.72                  | -74.92                  | -63.37                   | 0.99                       | 4.80                        | V                     |
|                           | 2520                 | -58.69         | -13              | -45.69                  | -76.82                  | -60.66                   | 1.30                       | 5.42                        | V                     |
|                           | 3352                 | -57.54         | -13              | -44.54                  | -77.81                  | -61.18                   | 1.56                       | 7.35                        | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 12**

| LTE Band 12 / 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                     | 1400                 | -62.88         | -13              | -49.88                  | -73.72                  | -64.54                   | 0.87                       | 4.68                        | H                     |
|                            | 2096                 | -60.56         | -13              | -47.56                  | -76.34                  | -61.43                   | 1.16                       | 4.19                        | H                     |
|                            | 2792                 | -59.45         | -13              | -46.45                  | -77.42                  | -61.55                   | 1.38                       | 5.63                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1400                 | -62.52         | -13              | -49.52                  | -73.75                  | -64.18                   | 0.87                       | 4.68                        | V                     |
|                            | 2096                 | -60.26         | -13              | -47.26                  | -76.44                  | -61.13                   | 1.16                       | 4.19                        | V                     |
|                            | 2792                 | -58.31         | -13              | -45.31                  | -77.06                  | -60.41                   | 1.38                       | 5.63                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1408                 | -63.54         | -13              | -50.54                  | -74.28                  | -65.25                   | 0.87                       | 4.73                        | H                     |
|                            | 2112                 | -48.09         | -13              | -35.09                  | -63.91                  | -49.01                   | 1.17                       | 4.24                        | H                     |
|                            | 2808                 | -59.08         | -13              | -46.08                  | -77.03                  | -61.19                   | 1.39                       | 5.65                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -62.71         | -13              | -49.71                  | -73.92                  | -64.42                   | 0.87                       | 4.73                        | V                     |
|                            | 2112                 | -50.13         | -13              | -37.13                  | -66.36                  | -51.05                   | 1.17                       | 4.24                        | V                     |
|                            | 2808                 | -58.11         | -13              | -45.11                  | -76.95                  | -60.22                   | 1.39                       | 5.65                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



| LTE Band 12 / 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) |
| Highest                    | 1416                 | -63.27         | -13              | -50.27                  | -74.19                  | -65.02                   | 0.87                       | 4.78                        | H                     |
|                            | 2120                 | -59.68         | -13              | -46.68                  | -75.61                  | -60.62                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -58.76         | -13              | -45.76                  | -76.68                  | -60.88                   | 1.39                       | 5.66                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1416                 | -61.48         | -13              | -48.48                  | -72.67                  | -63.23                   | 0.87                       | 4.78                        | V                     |
|                            | 2120                 | -59.74         | -13              | -46.74                  | -76.00                  | -60.68                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -58.16         | -13              | -45.16                  | -76.89                  | -60.28                   | 1.39                       | 5.66                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 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                     | 1408                 | -63.58         | -13              | -50.58                  | -74.35                  | -65.29                   | 0.87                       | 4.73                        | H                     |
|                            | 2112                 | -58.29         | -13              | -45.29                  | -74.18                  | -59.21                   | 1.17                       | 4.24                        | H                     |
|                            | 2816                 | -59.17         | -13              | -46.17                  | -77.23                  | -61.28                   | 1.39                       | 5.65                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -61.31         | -13              | -48.31                  | -72.54                  | -63.02                   | 0.87                       | 4.73                        | V                     |
|                            | 2112                 | -60.46         | -13              | -47.46                  | -76.61                  | -61.38                   | 1.17                       | 4.24                        | V                     |
|                            | 2816                 | -58.22         | -13              | -45.22                  | -77.01                  | -60.33                   | 1.39                       | 5.65                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1408                 | -63.81         | -13              | -50.81                  | -74.52                  | -65.52                   | 0.87                       | 4.73                        | H                     |
|                            | 2120                 | -52.91         | -13              | -39.91                  | -68.82                  | -53.85                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -59.12         | -13              | -46.12                  | -77.06                  | -61.24                   | 1.39                       | 5.66                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -62.06         | -13              | -49.06                  | -73.31                  | -63.77                   | 0.87                       | 4.73                        | V                     |
|                            | 2120                 | -50.19         | -13              | -37.19                  | -66.45                  | -51.13                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -58.29         | -13              | -45.29                  | -77.03                  | -60.41                   | 1.39                       | 5.66                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



| 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) |
| Highest                    | 1416                 | -63.78         | -13              | -50.78                  | -74.65                  | -65.53                   | 0.87                       | 4.78                        | H                     |
|                            | 2120                 | -59.38         | -13              | -46.38                  | -75.31                  | -60.32                   | 1.17                       | 4.26                        | H                     |
|                            | 2824                 | -59.36         | -13              | -46.36                  | -77.23                  | -61.48                   | 1.39                       | 5.66                        | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1416                 | -61.88         | -13              | -48.88                  | -73.22                  | -63.63                   | 0.87                       | 4.78                        | V                     |
|                            | 2120                 | -59.81         | -13              | -46.81                  | -76.07                  | -60.75                   | 1.17                       | 4.26                        | V                     |
|                            | 2824                 | -57.99         | -13              | -44.99                  | -76.80                  | -60.11                   | 1.39                       | 5.66                        | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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