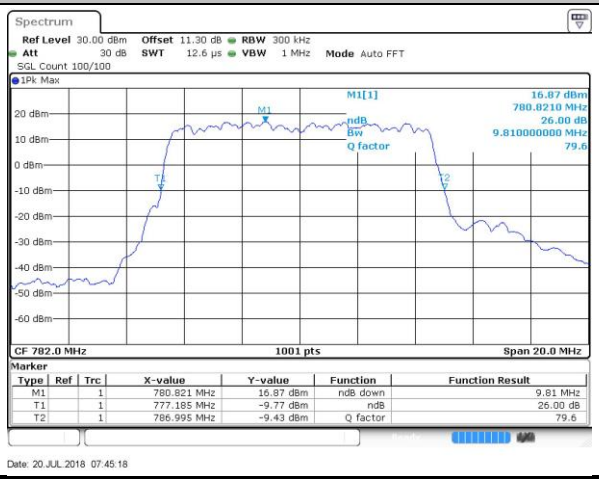
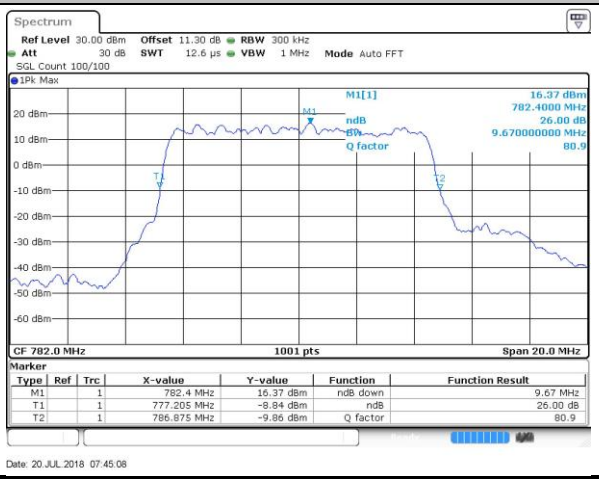
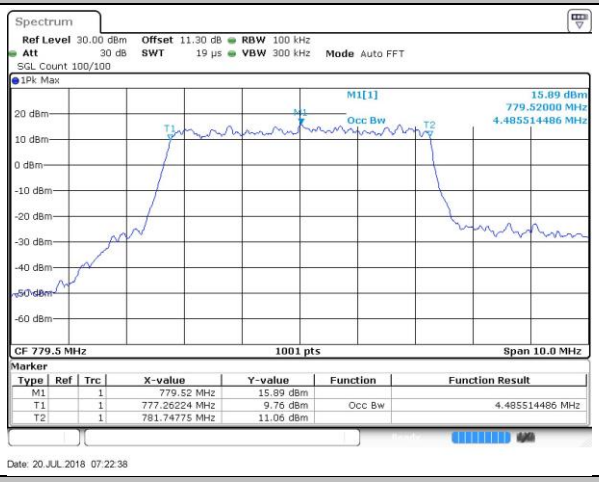
| LTE Band 13 | |
|---|---|
| **Middle Channel / 10MHz / QPSK** | **Middle Channel / 10MHz / 16QAM** |
|  |  |

# Occupied Bandwidth

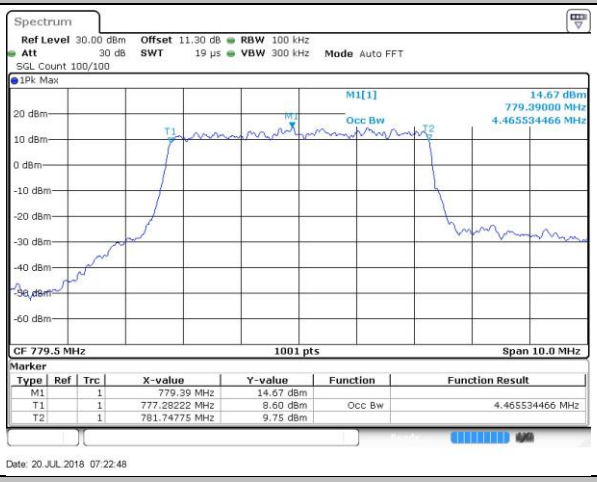
| Mode | LTE Band 13 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.49 | 4.47 | - | - | - | - | - | - |
| Middle CH | - | - | - | - | 4.5 | 4.5 | 9.01 | 8.93 | - | - | - | - |
| Highest CH | - | - | - | - | 4.5 | 4.5 | - | - | - | - | - | - |

## LTE Band 13

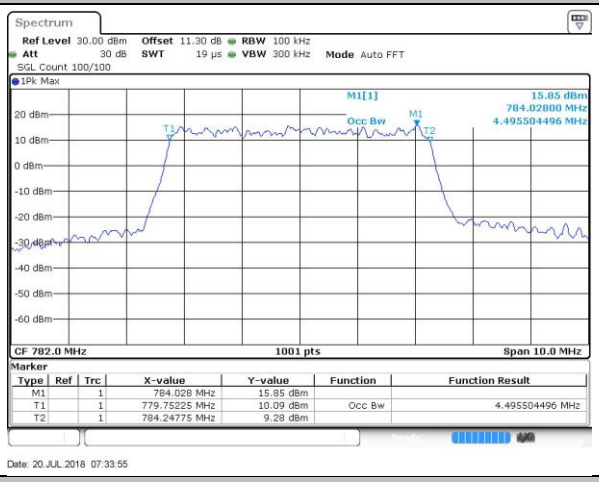
### Lowest Channel / 5MHz / QPSK



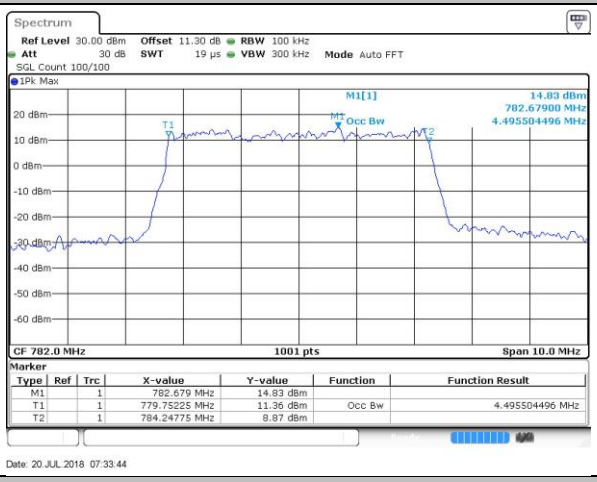

### Lowest Channel / 5MHz / 16QAM



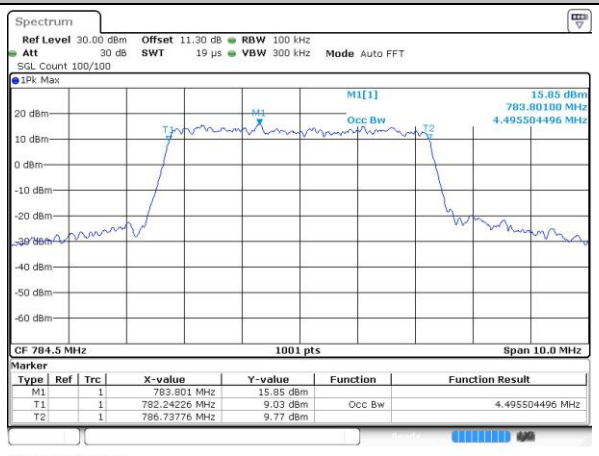

### Middle Channel / 5MHz / QPSK



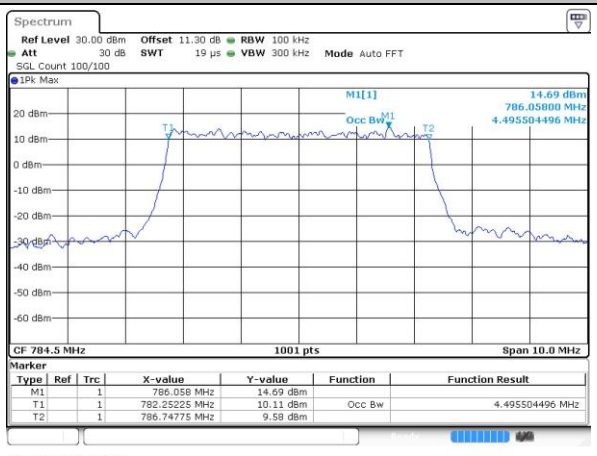

### Middle Channel / 5MHz / 16QAM

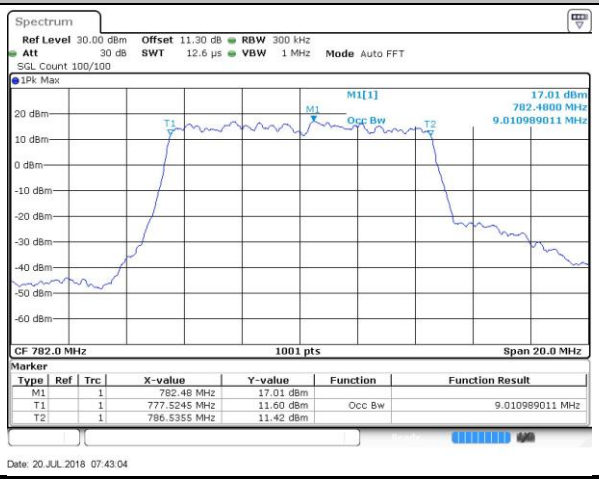
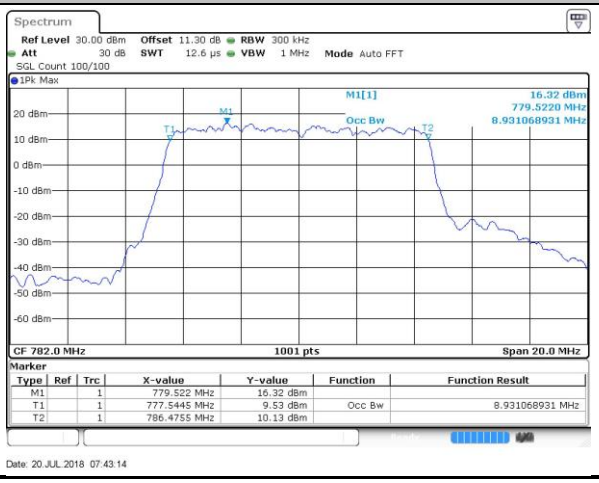



### Highest Channel / 5MHz / QPSK




### Highest Channel / 5MHz / 16QAM

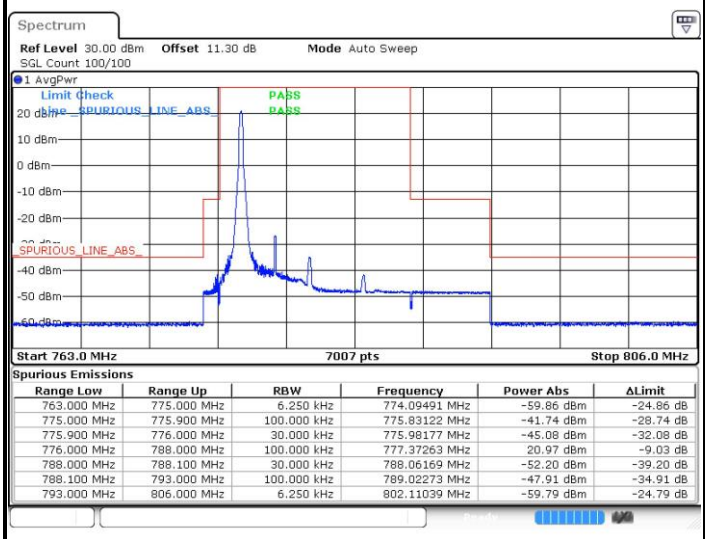


| LTE Band 13 | |
|---|---|
| **Middle Channel / 10MHz / QPSK** | **Middle Channel / 10MHz / 16QAM** |
|  |  |

# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

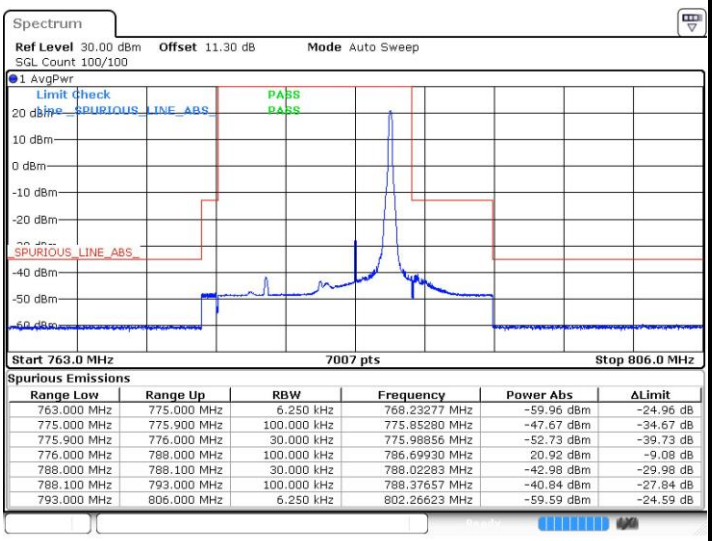



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.09491 MHz | -59.86 dBm | -24.86 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.83122 MHz | -41.74 dBm | -28.74 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98177 MHz | -45.08 dBm | -32.08 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.37263 MHz | 20.97 dBm | -9.03 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.06169 MHz | -52.20 dBm | -39.20 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 789.02273 MHz | -47.91 dBm | -34.91 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.11039 MHz | -59.79 dBm | -24.79 dB |

Date: 20.JUL.2018 07:29:39

### Highest Band Edge / 1 RB

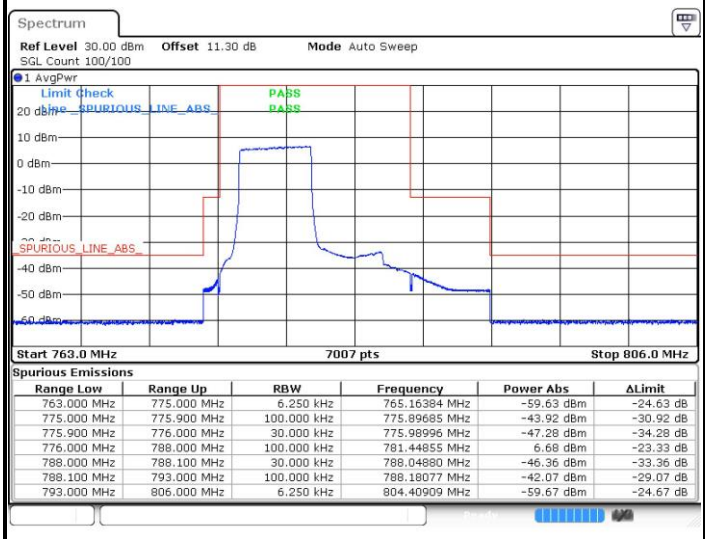



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 768.23277 MHz | -59.96 dBm | -24.96 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.85280 MHz | -47.67 dBm | -34.67 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98856 MHz | -52.73 dBm | -39.73 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.69930 MHz | 20.92 dBm | -9.08 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.02283 MHz | -42.98 dBm | -29.98 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.37657 MHz | -40.84 dBm | -27.84 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.26623 MHz | -59.59 dBm | -24.59 dB |

Date: 20.JUL.2018 07:41:06

### Lowest Band Edge / Full RB

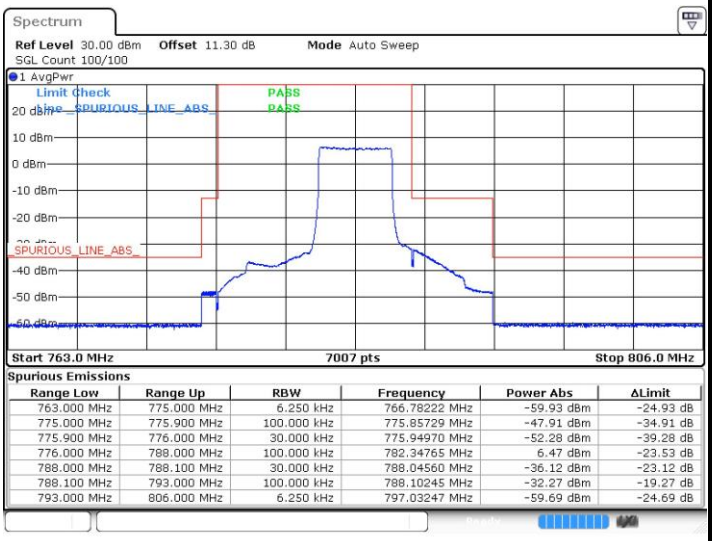



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 765.16384 MHz | -59.63 dBm | -24.63 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89685 MHz | -43.92 dBm | -30.92 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98996 MHz | -47.28 dBm | -34.28 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 781.44855 MHz | 6.68 dBm | -23.33 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04880 MHz | -46.36 dBm | -33.36 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.18077 MHz | -42.07 dBm | -29.07 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 804.40909 MHz | -59.67 dBm | -24.67 dB |

Date: 20.JUL.2018 07:24:46

### Highest Band Edge / Full RB



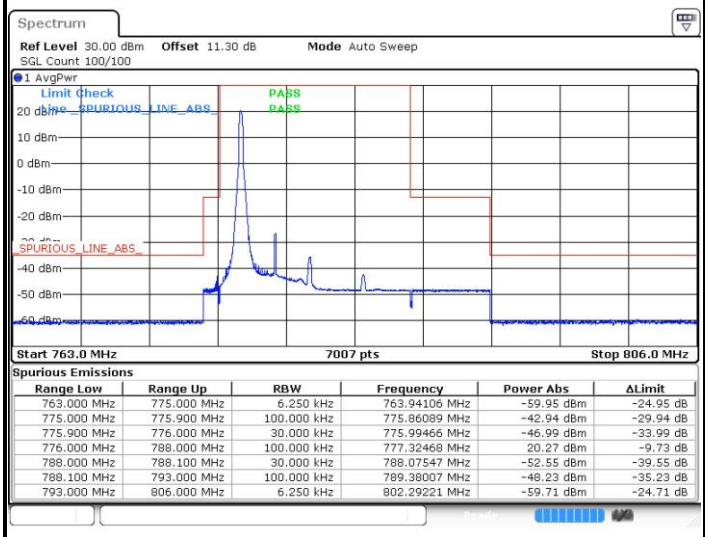

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 766.78222 MHz | -59.93 dBm | -24.93 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.85729 MHz | -47.91 dBm | -34.91 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.94970 MHz | -52.28 dBm | -39.28 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 782.34765 MHz | 6.47 dBm | -23.53 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04560 MHz | -36.12 dBm | -23.12 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.10245 MHz | -32.27 dBm | -19.27 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 797.03247 MHz | -59.69 dBm | -24.69 dB |

Date: 20.JUL.2018 07:36:13

## LTE Band 13 / 5MHz / 16QAM

### Lowest Band Edge /1 RB

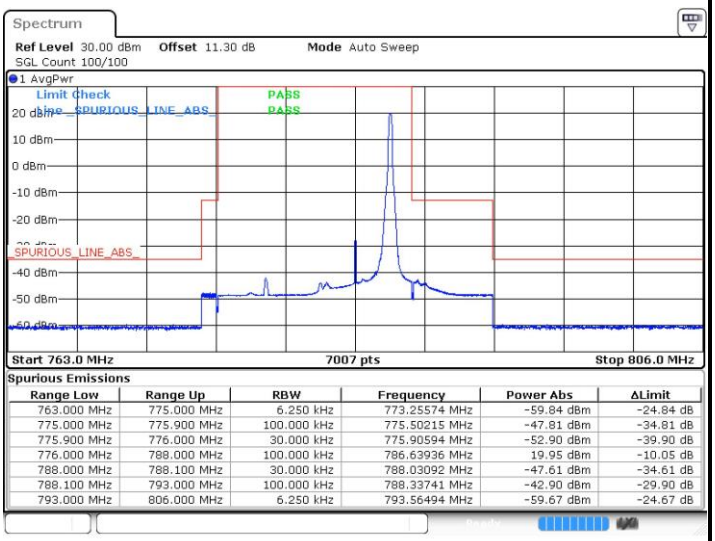



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 763.94106 MHz | -59.95 dBm | -24.95 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.86089 MHz | -42.94 dBm | -29.94 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.99466 MHz | -46.99 dBm | -33.99 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.32468 MHz | 20.27 dBm | -9.73 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.07547 MHz | -52.55 dBm | -39.55 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 789.38007 MHz | -48.23 dBm | -35.23 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.29221 MHz | -59.71 dBm | -24.71 dB |

Date: 20.JUL.2018 07:28:01

### Highest Band Edge / 1 RB

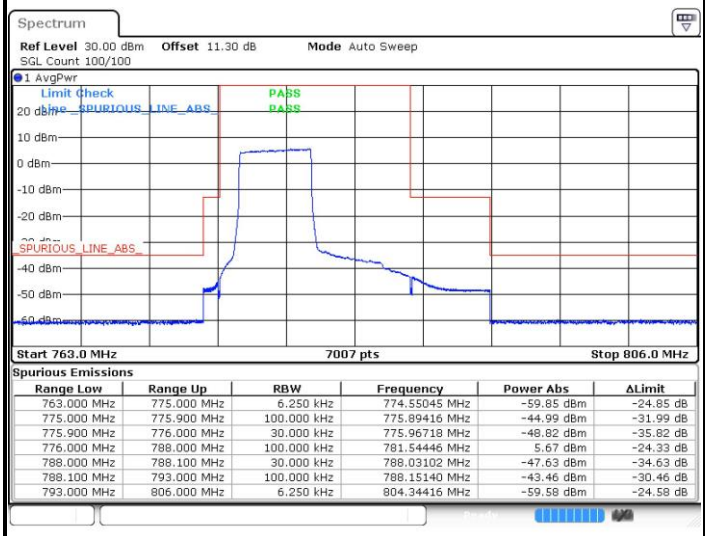



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.25574 MHz | -59.84 dBm | -24.84 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.50215 MHz | -47.81 dBm | -34.81 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.90594 MHz | -52.90 dBm | -39.90 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.63936 MHz | 19.95 dBm | -10.05 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.03092 MHz | -47.61 dBm | -34.61 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.33741 MHz | -42.90 dBm | -29.90 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.56494 MHz | -59.67 dBm | -24.67 dB |

Date: 20.JUL.2018 07:39:29

### Lowest Band Edge / Full RB

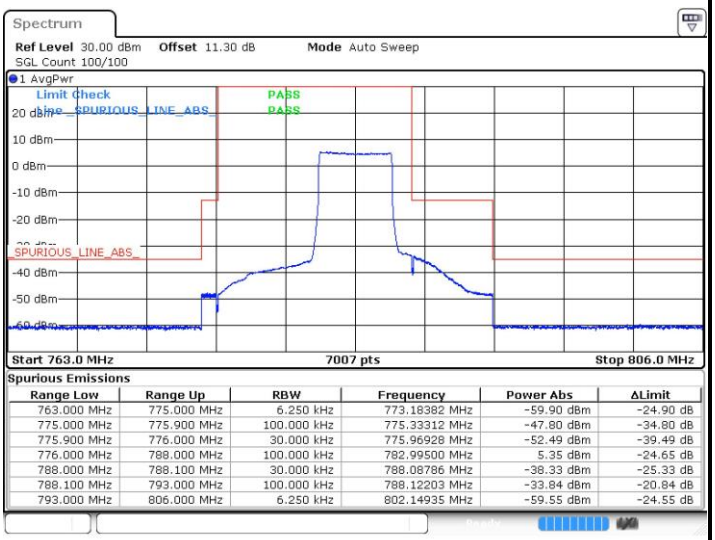



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.55045 MHz | -59.85 dBm | -24.85 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89416 MHz | -44.99 dBm | -31.99 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.96718 MHz | -48.82 dBm | -35.82 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 781.54446 MHz | 5.67 dBm | -24.33 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.03102 MHz | -47.63 dBm | -34.63 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.15140 MHz | -43.46 dBm | -30.46 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 804.34416 MHz | -59.58 dBm | -24.58 dB |

Date: 20.JUL.2018 07:26:24

### Highest Band Edge / Full RB



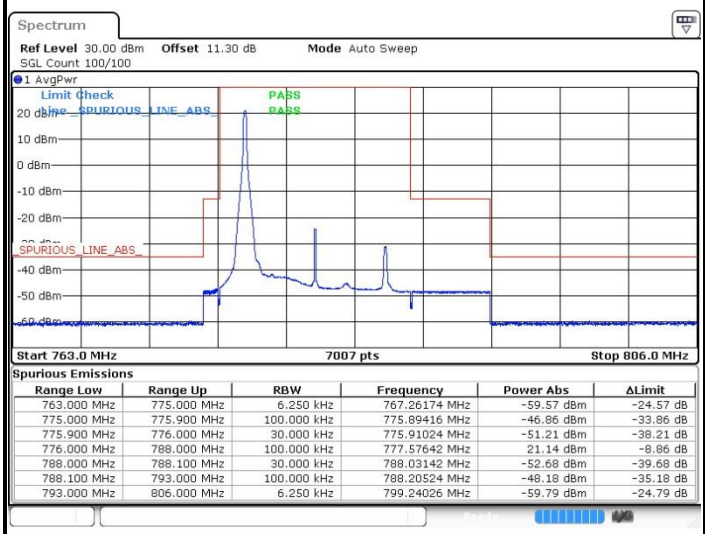

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.18382 MHz | -59.90 dBm | -24.90 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.33312 MHz | -47.80 dBm | -34.80 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.96928 MHz | -52.49 dBm | -39.49 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 782.99500 MHz | 5.35 dBm | -24.65 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.08786 MHz | -38.33 dBm | -25.33 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.12203 MHz | -33.84 dBm | -20.84 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.14935 MHz | -59.55 dBm | -24.55 dB |

Date: 20.JUL.2018 07:37:51

## LTE Band 13 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

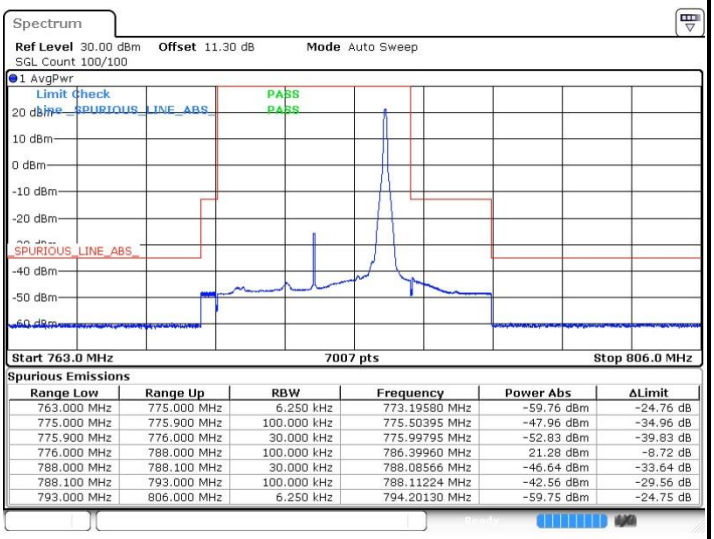



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.26174 MHz | -59.57 dBm | -24.57 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89416 MHz | -46.86 dBm | -33.86 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.91024 MHz | -51.21 dBm | -38.21 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.57642 MHz | 21.14 dBm | -8.86 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.03142 MHz | -52.68 dBm | -39.68 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.20524 MHz | -48.18 dBm | -35.18 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 799.24026 MHz | -59.79 dBm | -24.79 dB |

Date: 20.JUL.2018 07:51:49

### Highest Band Edge / 1 RB

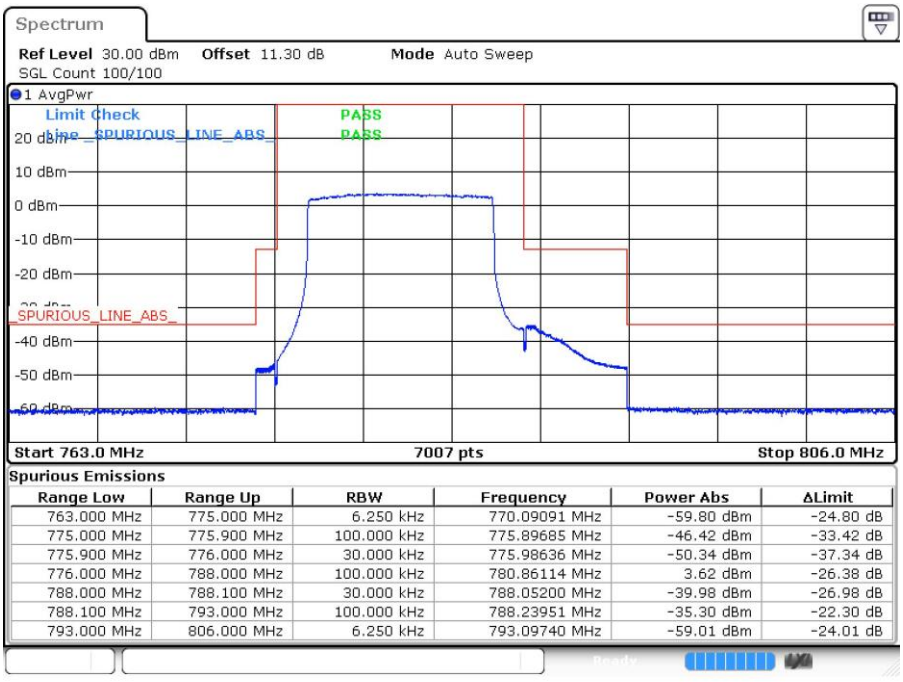



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.19580 MHz | -59.76 dBm | -24.76 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.50395 MHz | -47.96 dBm | -34.96 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.99795 MHz | -52.83 dBm | -39.83 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.39960 MHz | 21.28 dBm | -8.72 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.08566 MHz | -46.64 dBm | -33.64 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.11224 MHz | -42.56 dBm | -29.56 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 794.20130 MHz | -59.75 dBm | -24.75 dB |

Date: 20.JUL.2018 07:53:27

### Band Edge / Full RB



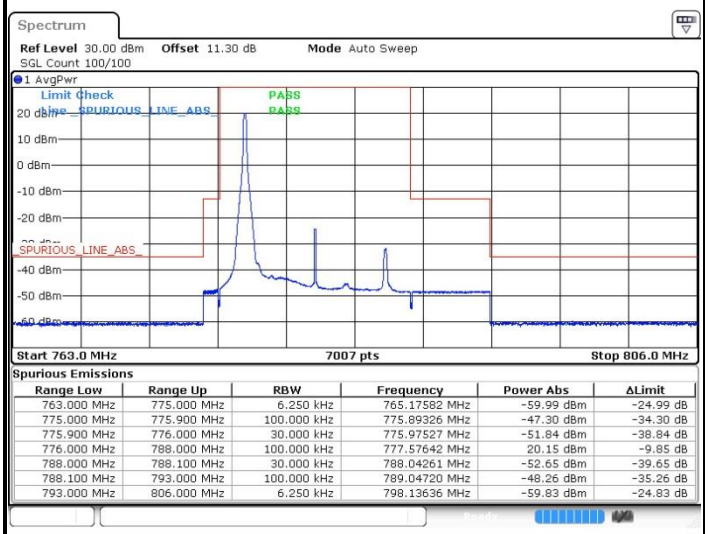

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.09091 MHz | -59.80 dBm | -24.80 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89685 MHz | -46.42 dBm | -33.42 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98636 MHz | -50.34 dBm | -37.34 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 780.86114 MHz | 3.62 dBm | -26.38 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.05200 MHz | -39.98 dBm | -26.98 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.23951 MHz | -35.30 dBm | -22.30 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.09740 MHz | -59.01 dBm | -24.01 dB |

Date: 20.JUL.2018 07:46:56

## LTE Band 13 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

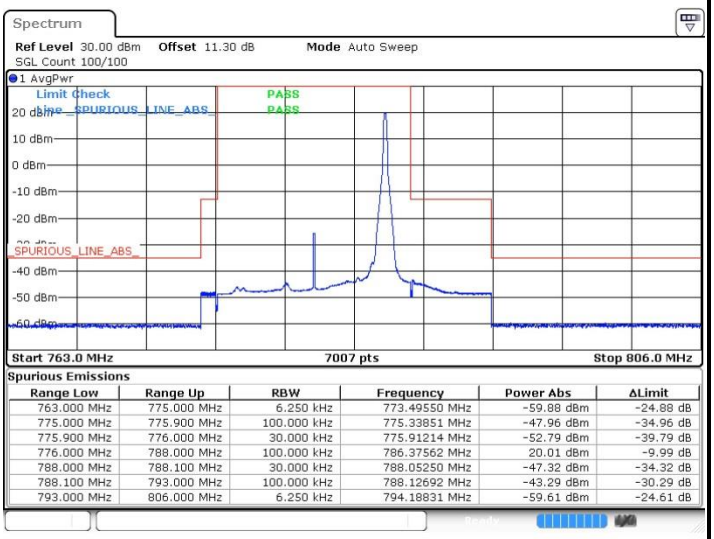



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 765.17582 MHz | -59.99 dBm | -24.99 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89326 MHz | -47.30 dBm | -34.30 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97527 MHz | -51.84 dBm | -38.84 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.57642 MHz | 20.15 dBm | -9.85 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04261 MHz | -52.65 dBm | -39.65 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 789.04720 MHz | -48.26 dBm | -35.26 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 798.13636 MHz | -59.83 dBm | -24.83 dB |

Date: 20.JUL.2018 07:50:12

### Highest Band Edge / 1 RB

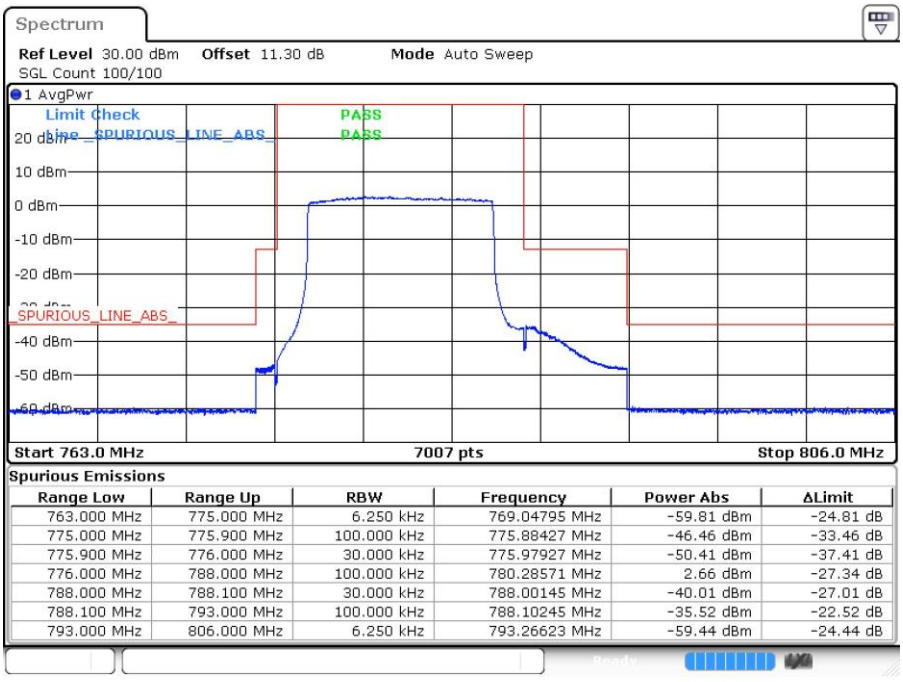



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.49550 MHz | -59.88 dBm | -24.88 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.33851 MHz | -47.96 dBm | -34.96 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.91214 MHz | -52.79 dBm | -39.79 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.37562 MHz | 20.01 dBm | -9.99 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.05250 MHz | -47.32 dBm | -34.32 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.12692 MHz | -43.29 dBm | -30.29 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 794.18831 MHz | -59.61 dBm | -24.61 dB |

Date: 20.JUL.2018 07:55:05

### Band Edge / Full RB



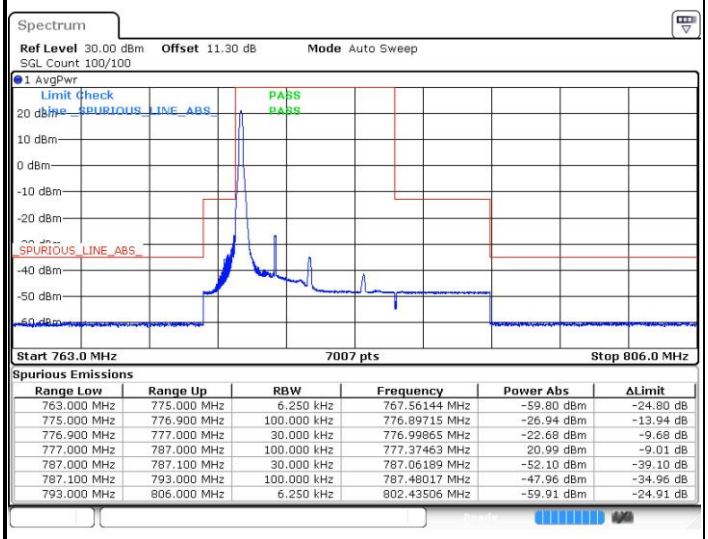

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 769.04795 MHz | -59.81 dBm | -24.81 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.88427 MHz | -46.46 dBm | -33.46 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97927 MHz | -50.41 dBm | -37.41 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 780.28571 MHz | 2.66 dBm | -27.34 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.00145 MHz | -40.01 dBm | -27.01 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.10245 MHz | -35.52 dBm | -22.52 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.26623 MHz | -59.44 dBm | -24.44 dB |

Date: 20.JUL.2018 07:48:34

## IC LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

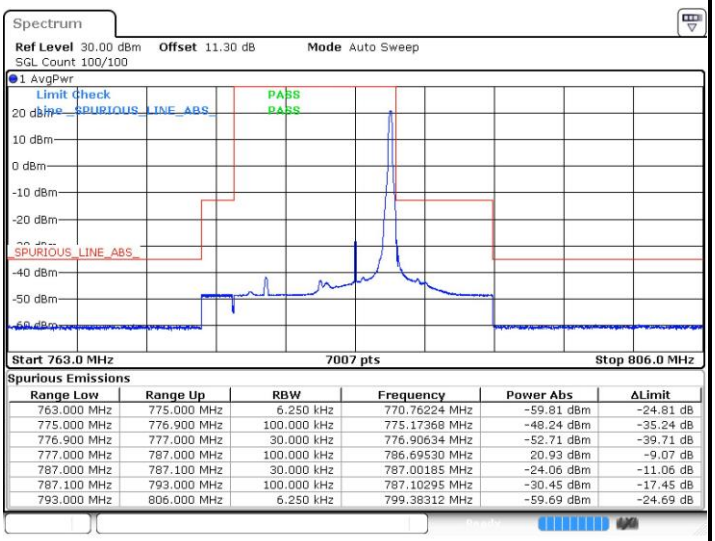



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.56144 MHz | -59.80 dBm | -24.80 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89715 MHz | -26.94 dBm | -13.94 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99865 MHz | -22.68 dBm | -9.68 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 777.37463 MHz | 20.99 dBm | -9.01 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.06189 MHz | -52.10 dBm | -39.10 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.48017 MHz | -47.96 dBm | -34.96 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.43506 MHz | -59.91 dBm | -24.91 dB |

Date: 20.JUL.2018 08:08:29

### Highest Band Edge / 1 RB

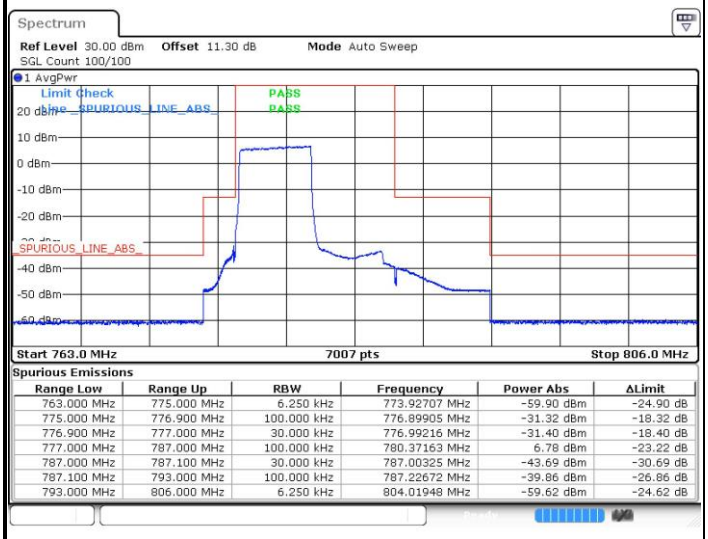



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.76224 MHz | -59.81 dBm | -24.81 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 775.17368 MHz | -48.24 dBm | -35.24 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.90634 MHz | -52.71 dBm | -39.71 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 786.69530 MHz | 20.93 dBm | -9.07 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00185 MHz | -24.06 dBm | -11.06 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.10295 MHz | -30.45 dBm | -17.45 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 799.38312 MHz | -59.69 dBm | -24.69 dB |

Date: 20.JUL.2018 08:15:00

### Lowest Band Edge / Full RB

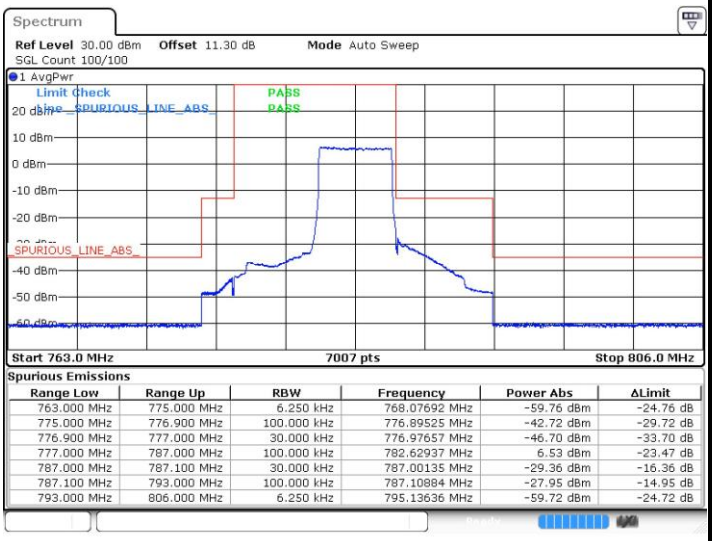



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.92707 MHz | -59.90 dBm | -24.90 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89905 MHz | -31.32 dBm | -18.32 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99216 MHz | -31.40 dBm | -18.40 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 780.37163 MHz | 6.78 dBm | -23.22 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00325 MHz | -43.69 dBm | -30.69 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.22672 MHz | -39.86 dBm | -26.86 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 804.01948 MHz | -59.62 dBm | -24.62 dB |

Date: 20.JUL.2018 08:03:36

### Highest Band Edge / Full RB



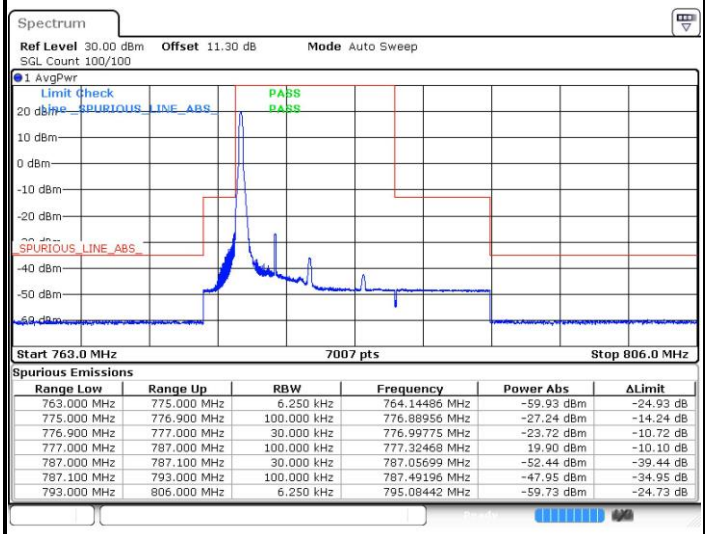

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 768.07692 MHz | -59.76 dBm | -24.76 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89525 MHz | -42.72 dBm | -29.72 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.97657 MHz | -46.70 dBm | -33.70 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 782.62937 MHz | 6.53 dBm | -23.47 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00135 MHz | -29.36 dBm | -16.36 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.10884 MHz | -27.95 dBm | -14.95 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 795.13636 MHz | -59.72 dBm | -24.72 dB |

Date: 20.JUL.2018 08:10:06

## IC LTE Band 13 / 5MHz / 16QAM

### Lowest Band Edge /1 RB

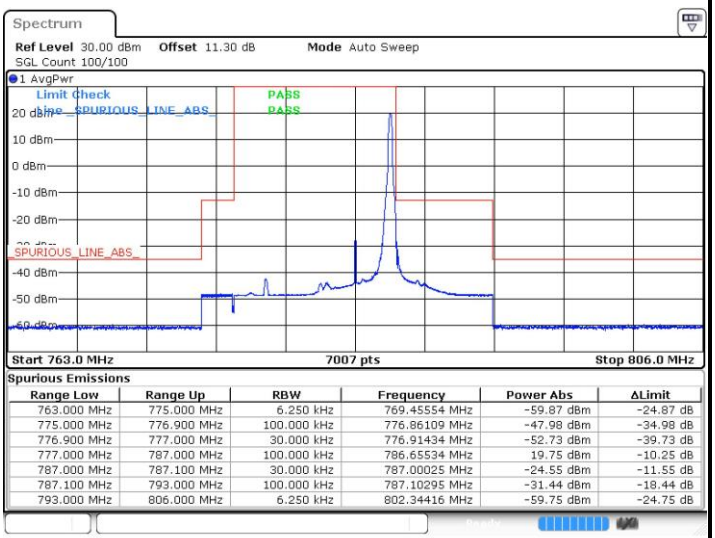



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 764.14486 MHz | -59.93 dBm | -24.93 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.88956 MHz | -27.24 dBm | -14.24 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99775 MHz | -23.72 dBm | -10.72 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 777.32468 MHz | 19.90 dBm | -10.10 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.05699 MHz | -52.44 dBm | -39.44 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.49196 MHz | -47.95 dBm | -34.95 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 795.08442 MHz | -59.73 dBm | -24.73 dB |

Date: 20.JUL.2018 08:06:51

### Highest Band Edge / 1 RB

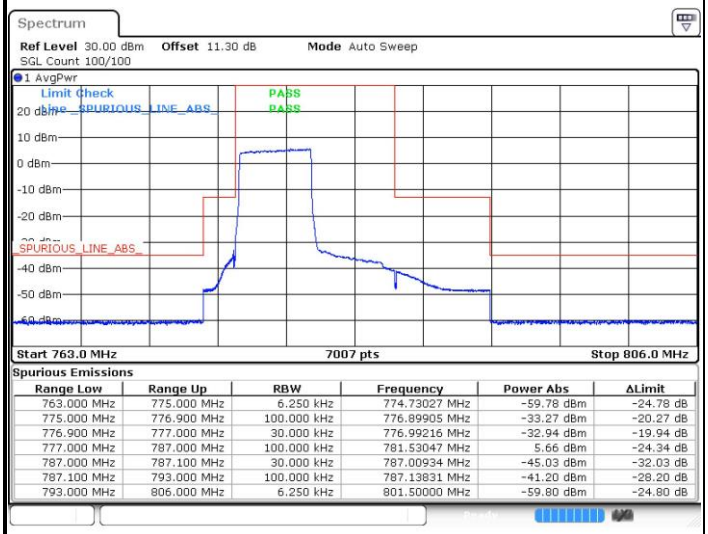



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 769.45554 MHz | -59.87 dBm | -24.87 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.86109 MHz | -47.98 dBm | -34.98 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.91434 MHz | -52.73 dBm | -39.73 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 786.65534 MHz | 19.75 dBm | -10.25 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00025 MHz | -24.55 dBm | -11.55 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.10295 MHz | -31.44 dBm | -18.44 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.34416 MHz | -59.75 dBm | -24.75 dB |

Date: 20.JUL.2018 08:13:22

### Lowest Band Edge / Full RB

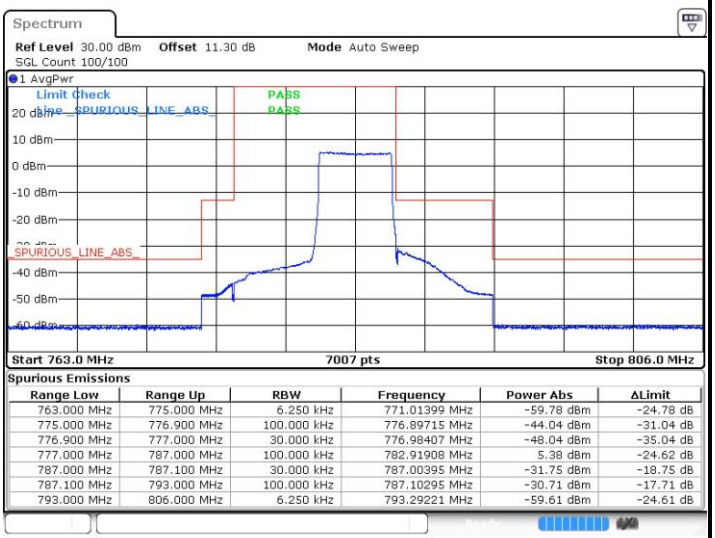



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.73027 MHz | -59.78 dBm | -24.78 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89905 MHz | -33.27 dBm | -20.27 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99216 MHz | -32.94 dBm | -19.94 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 781.53047 MHz | 5.66 dBm | -24.34 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00934 MHz | -45.03 dBm | -32.03 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.13831 MHz | -41.20 dBm | -28.20 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 801.50000 MHz | -59.80 dBm | -24.80 dB |

Date: 20.JUL.2018 08:05:13

### Highest Band Edge / Full RB



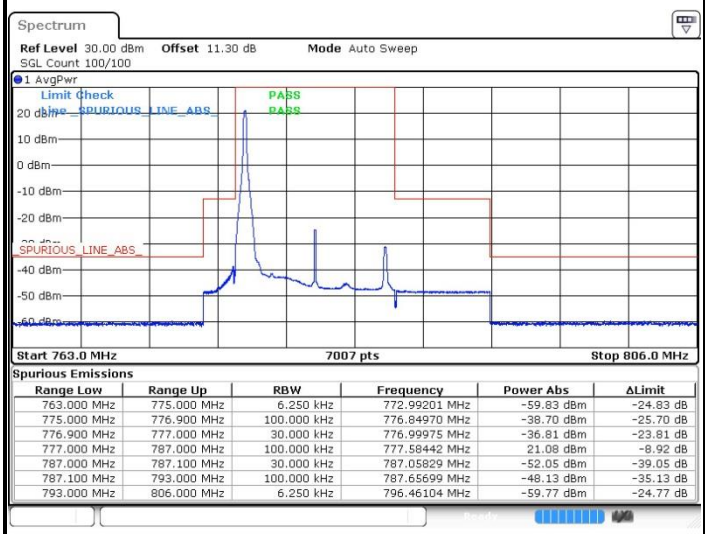

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 771.01399 MHz | -59.78 dBm | -24.78 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89715 MHz | -44.04 dBm | -31.04 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.98407 MHz | -48.04 dBm | -35.04 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 782.91908 MHz | 5.38 dBm | -24.62 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00395 MHz | -31.75 dBm | -18.75 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.10295 MHz | -30.71 dBm | -17.71 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.29221 MHz | -59.61 dBm | -24.61 dB |

Date: 20.JUL.2018 08:11:44

## IC LTE Band 13 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

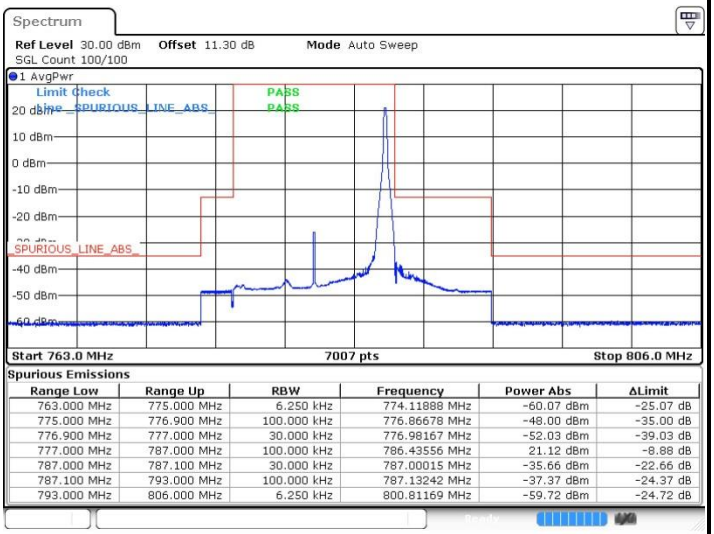



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 772.99201 MHz | -59.83 dBm | -24.83 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.84970 MHz | -38.70 dBm | -25.70 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99975 MHz | -36.81 dBm | -23.81 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 777.58442 MHz | 21.08 dBm | -8.92 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.05829 MHz | -52.05 dBm | -39.05 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.65699 MHz | -48.13 dBm | -35.13 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 796.46104 MHz | -59.77 dBm | -24.77 dB |

Date: 20.JUL.2018 08:21:31

### Highest Band Edge / 1 RB

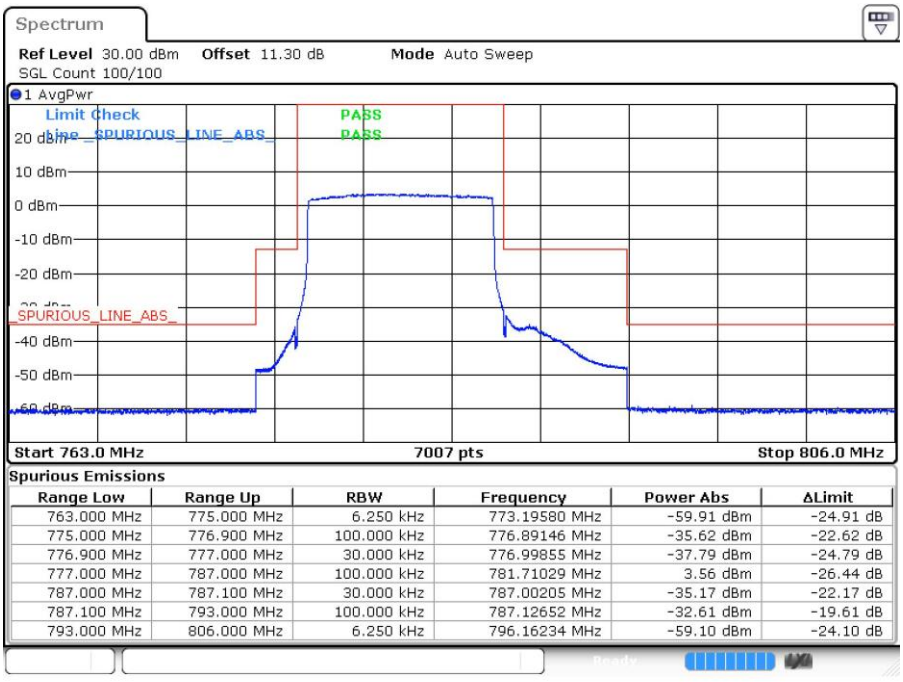



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.11888 MHz | -60.07 dBm | -25.07 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.86678 MHz | -48.00 dBm | -35.00 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.98167 MHz | -52.03 dBm | -39.03 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 786.43556 MHz | 21.12 dBm | -8.88 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00015 MHz | -35.66 dBm | -22.66 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.13242 MHz | -37.37 dBm | -24.37 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 800.81169 MHz | -59.72 dBm | -24.72 dB |

Date: 20.JUL.2018 08:23:08

### Band Edge / Full RB



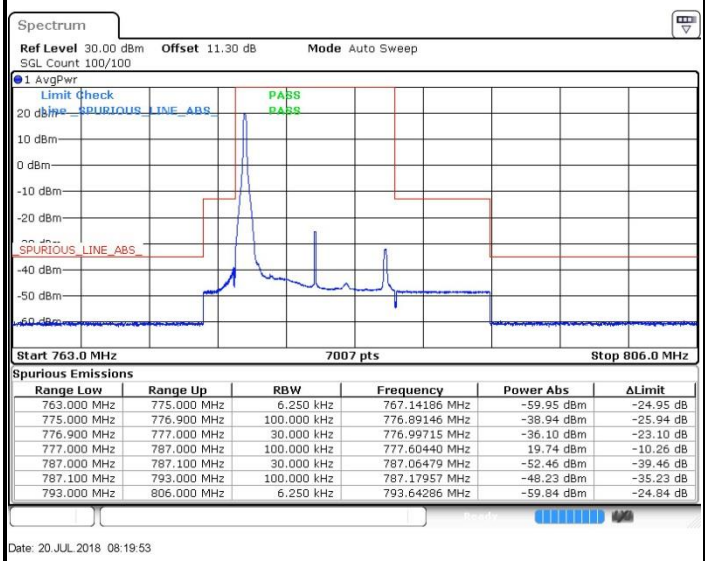

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.19580 MHz | -59.91 dBm | -24.91 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89146 MHz | -35.62 dBm | -22.62 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99855 MHz | -37.79 dBm | -24.79 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 781.71029 MHz | 3.56 dBm | -26.44 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00205 MHz | -35.17 dBm | -22.17 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.12652 MHz | -32.61 dBm | -19.61 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 796.16234 MHz | -59.10 dBm | -24.10 dB |

Date: 20.JUL.2018 08:16:37

## IC LTE Band 13 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

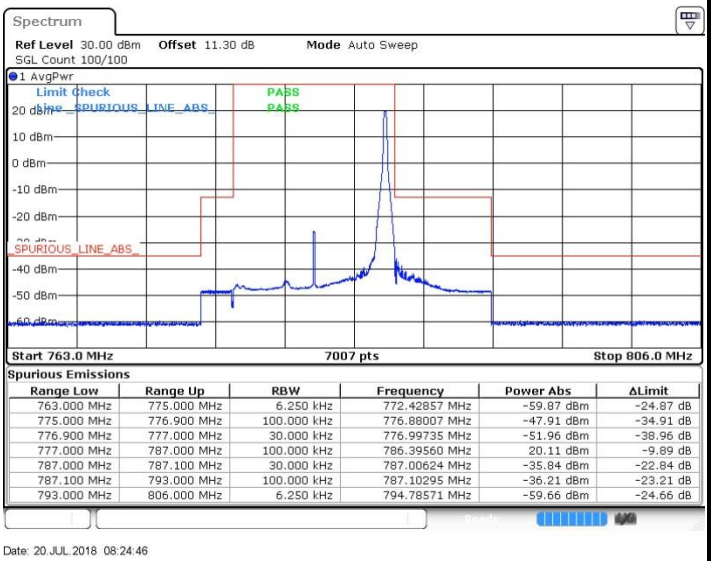



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.14186 MHz | -59.95 dBm | -24.95 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89146 MHz | -38.94 dBm | -25.94 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99715 MHz | -36.10 dBm | -23.10 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 777.60440 MHz | 19.74 dBm | -10.26 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.06479 MHz | -52.46 dBm | -39.46 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.17957 MHz | -48.23 dBm | -35.23 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.64286 MHz | -59.84 dBm | -24.84 dB |

Date: 20.JUL.2018 08:19:53

### Highest Band Edge / 1 RB

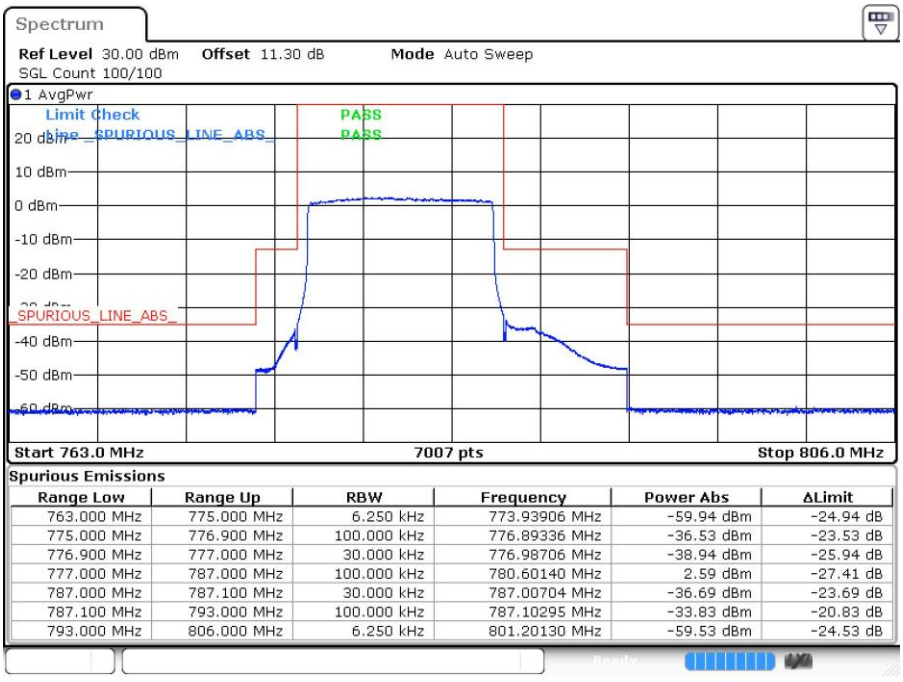



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 772.42857 MHz | -59.87 dBm | -24.87 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.88007 MHz | -47.91 dBm | -34.91 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.99735 MHz | -51.96 dBm | -38.96 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 786.39560 MHz | 20.11 dBm | -9.89 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00624 MHz | -35.84 dBm | -22.84 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.10295 MHz | -36.21 dBm | -23.21 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 794.78571 MHz | -59.66 dBm | -24.66 dB |

Date: 20.JUL.2018 08:24:46

### Band Edge / Full RB




Spurious Emissions

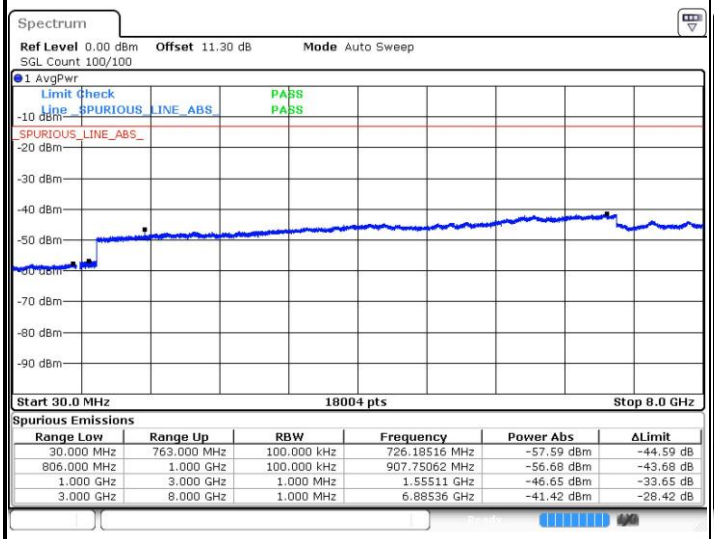
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.93906 MHz | -59.94 dBm | -24.94 dB |
| 775.000 MHz | 776.900 MHz | 100.000 kHz | 776.89336 MHz | -36.53 dBm | -23.53 dB |
| 776.900 MHz | 777.000 MHz | 30.000 kHz | 776.98706 MHz | -38.94 dBm | -25.94 dB |
| 777.000 MHz | 787.000 MHz | 100.000 kHz | 780.60140 MHz | 2.59 dBm | -27.41 dB |
| 787.000 MHz | 787.100 MHz | 30.000 kHz | 787.00704 MHz | -36.69 dBm | -23.69 dB |
| 787.100 MHz | 793.000 MHz | 100.000 kHz | 787.10295 MHz | -33.83 dBm | -20.83 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 801.20130 MHz | -59.53 dBm | -24.53 dB |

Date: 20.JUL.2018 08:18:15

# Conducted Spurious Emission

## LTE Band 13 / 5MHz

### Lowest Channel / QPSK

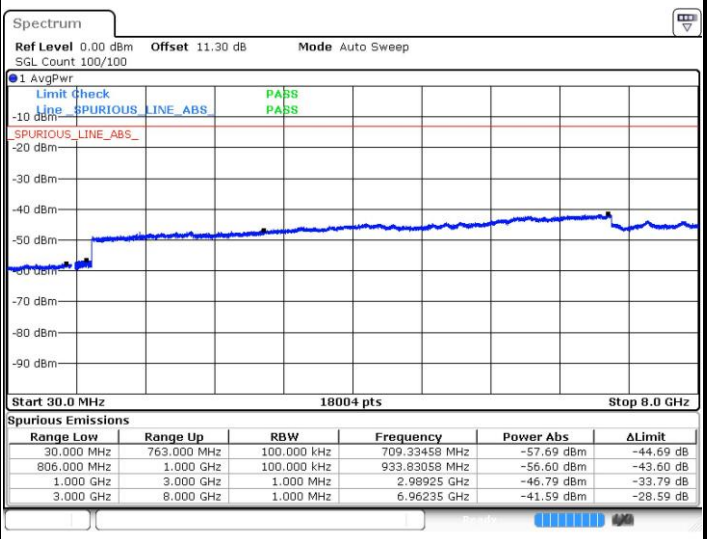



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 726.18516 MHz | -57.59 dBm | -44.59 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 907.75062 MHz | -56.68 dBm | -43.68 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55511 GHz | -46.65 dBm | -33.65 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.88536 GHz | -41.42 dBm | -28.42 dB |

Date: 20.JUL.2018 07:30:33

### Lowest Channel / 16QAM

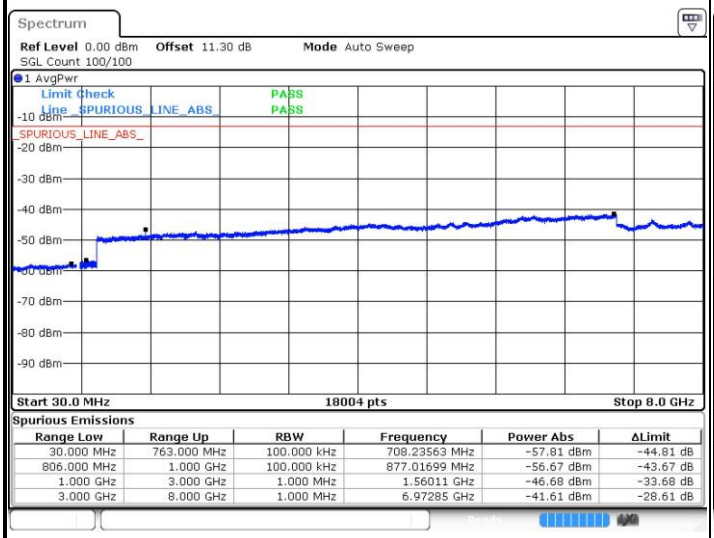



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 709.33458 MHz | -57.69 dBm | -44.69 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 933.83058 MHz | -56.60 dBm | -43.60 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98925 GHz | -46.79 dBm | -33.79 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.96235 GHz | -41.59 dBm | -28.59 dB |

Date: 20.JUL.2018 07:31:26

### Middle Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 708.23563 MHz | -57.81 dBm | -44.81 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 877.01699 MHz | -56.67 dBm | -43.67 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56011 GHz | -46.68 dBm | -33.68 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.97285 GHz | -41.61 dBm | -28.61 dB |

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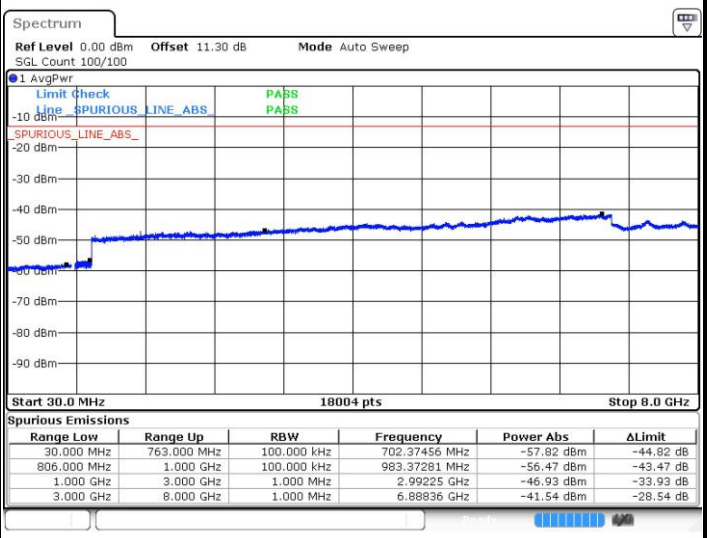
### Middle Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 702.37456 MHz | -57.82 dBm | -44.82 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 983.37281 MHz | -56.47 dBm | -43.47 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99225 GHz | -46.93 dBm | -33.93 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.88836 GHz | -41.54 dBm | -28.54 dB |

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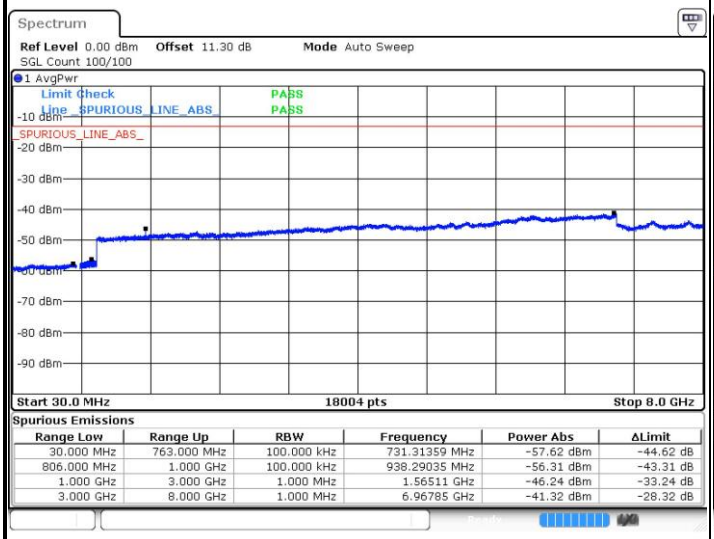
## LTE Band 13 / 5MHz

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 731.31359 MHz | -57.62 dBm | -44.62 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 938.29035 MHz | -56.31 dBm | -43.31 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56511 GHz | -46.24 dBm | -33.24 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.96785 GHz | -41.32 dBm | -28.32 dB |

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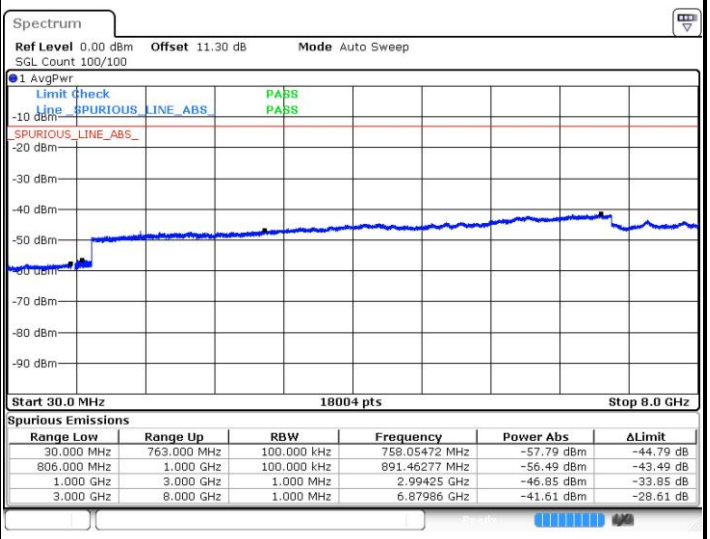
### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 758.05472 MHz | -57.79 dBm | -44.79 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 891.46277 MHz | -56.49 dBm | -43.49 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99425 GHz | -46.85 dBm | -33.85 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.87986 GHz | -41.61 dBm | -28.61 dB |

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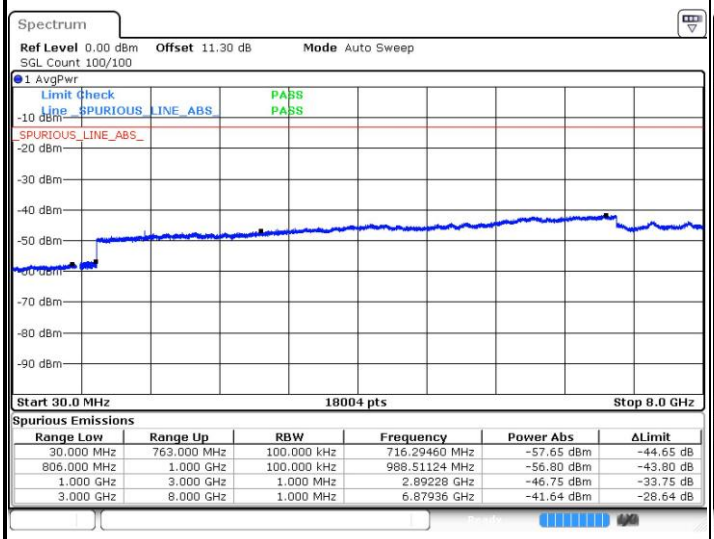
## LTE Band 13 / 10MHz

### Middle Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 716.29460 MHz | -57.65 dBm | -44.65 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 988.51124 MHz | -56.80 dBm | -43.80 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.89228 GHz | -46.75 dBm | -33.75 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.87936 GHz | -41.64 dBm | -28.64 dB |

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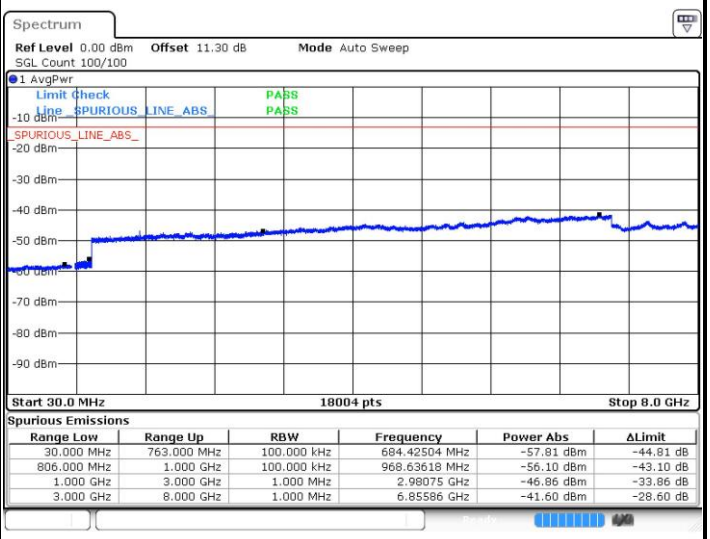
### Middle Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 684.42504 MHz | -57.81 dBm | -44.81 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 968.63618 MHz | -56.10 dBm | -43.10 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98075 GHz | -46.86 dBm | -33.86 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.85586 GHz | -41.60 dBm | -28.60 dB |

Date: 20.JUL.2018 07:55:58

# Frequency Stability

| Test Conditions | | LTE Band 13 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0073 | PASS |
| 40 | Normal Voltage | 0.0138 | |
| 30 | Normal Voltage | 0.0042 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0102 | |
| 0 | Normal Voltage | 0.0176 | |
| -10 | Normal Voltage | 0.0088 | |
| -20 | Normal Voltage | 0.0145 | |
| -30 | Normal Voltage | 0.0110 | |
| 20 | Maximum Voltage | 0.0159 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0123 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions | | LTE Band 13 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 5MHz | Within Band |
| | | Frequency Offset (Δf) (Hz) | Result |
| 50 | Normal Voltage | 5.7 | PASS |
| 40 | Normal Voltage | 10.8 | |
| 30 | Normal Voltage | 3.3 | |
| 20(Ref.) | Normal Voltage | 0 | |
| 10 | Normal Voltage | 8 | |
| 0 | Normal Voltage | 0 | |
| -10 | Normal Voltage | 6.9 | |
| -20 | Normal Voltage | 11.3 | |
| -30 | Normal Voltage | 8.6 | |
| 20 | Maximum Voltage | 12.4 | |
| 20 | Normal Voltage | 0 | |
| 20 | Battery End Point | 9.6 | |

|MAX(Δf)| = 12.4Hz

| Frequency Stability | Frequency (MHz) | Limit Line | Result |
|---|---|---|---|
| $f_L$ – |MAX(Δf)| | 777.144988 | ≧ 777 MHz | PASS |
| $f_H$ + |MAX(Δf)| | 786.859012 | ≦ 787 MHz | |

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

## ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) (GT - LC = 1.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 1 | 23.40 | 0.2188 | 24.90 | 0.3090 |
| Middle | | 3 | 1 | 23.24 | 0.2109 | 24.74 | 0.2979 |
| Highest | | 3 | 1 | 23.61 | 0.2296 | 25.11 | 0.3243 |
| Lowest | 16QAM | 3 | 0 | 22.10 | 0.1622 | 23.60 | 0.2291 |
| Middle | | 3 | 0 | 21.96 | 0.1570 | 23.46 | 0.2218 |
| Highest | | 3 | 0 | 22.53 | 0.1791 | 24.03 | 0.2529 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 3MHz (Average) (GT - LC = 1.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.28 | 0.2128 | 24.78 | 0.3006 |
| Middle | | 1 | 0 | 23.26 | 0.2118 | 24.76 | 0.2992 |
| Highest | | 1 | 0 | 23.24 | 0.2109 | 24.74 | 0.2979 |
| Lowest | 16QAM | 1 | 0 | 22.54 | 0.1795 | 24.04 | 0.2535 |
| Middle | | 1 | 0 | 22.43 | 0.1750 | 23.93 | 0.2472 |
| Highest | | 1 | 0 | 22.69 | 0.1858 | 24.19 | 0.2624 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 5MHz (Average) (GT - LC = 1.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 23.00 | 0.1995 | 24.50 | 0.2818 |
| Middle | | 1 | 12 | 23.49 | 0.2234 | 24.99 | 0.3155 |
| Highest | | 1 | 12 | 23.19 | 0.2084 | 24.69 | 0.2944 |
| Lowest | 16QAM | 1 | 24 | 22.67 | 0.1849 | 24.17 | 0.2612 |
| Middle | | 1 | 24 | 22.31 | 0.1702 | 23.81 | 0.2404 |
| Highest | | 1 | 24 | 22.79 | 0.1901 | 24.29 | 0.2685 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 10MHz (Average) (GT - LC = 1.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 23.42 | 0.2198 | 24.92 | 0.3105 |
| Middle | | 1 | 25 | 23.48 | 0.2228 | 24.98 | 0.3148 |
| Highest | | 1 | 25 | 23.52 | 0.2249 | 25.02 | 0.3177 |
| Lowest | 16QAM | 1 | 25 | 22.95 | 0.1972 | 24.45 | 0.2786 |
| Middle | | 1 | 25 | 22.71 | 0.1866 | 24.21 | 0.2636 |
| Highest | | 1 | 25 | 22.59 | 0.1816 | 24.09 | 0.2564 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 15MHz (Average) (GT - LC = 1.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 23.47 | 0.2223 | 24.97 | 0.3141 |
| Middle | | 1 | 37 | 23.22 | 0.2099 | 24.72 | 0.2965 |
| Highest | | 1 | 37 | 23.45 | 0.2213 | 24.95 | 0.3126 |
| Lowest | 16QAM | 1 | 37 | 22.65 | 0.1841 | 24.15 | 0.2600 |
| Middle | | 1 | 37 | 21.94 | 0.1563 | 23.44 | 0.2208 |
| Highest | | 1 | 37 | 22.40 | 0.1738 | 23.90 | 0.2455 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 20MHz (Average) (GT - LC = 1.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 49 | 23.69 | 0.2339 | 25.19 | 0.3304 |
| Middle | | 1 | 49 | 23.53 | 0.2254 | 25.03 | 0.3184 |
| Highest | | 1 | 49 | 23.57 | 0.2275 | 25.07 | 0.3214 |
| Lowest | 16QAM | 1 | 49 | 22.04 | 0.1600 | 23.54 | 0.2259 |
| Middle | | 1 | 49 | 22.05 | 0.1603 | 23.55 | 0.2265 |
| Highest | | 1 | 49 | 22.78 | 0.1897 | 24.28 | 0.2679 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 4 / 1.4MHz (Average) (GT - LC = 1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 1 | 24.02 | 0.2523 | 25.02 | 0.3177 |
| Middle | | 3 | 1 | 23.75 | 0.2371 | 24.75 | 0.2985 |
| Highest | | 3 | 1 | 23.82 | 0.2410 | 24.82 | 0.3034 |
| Lowest | 16QAM | 3 | 1 | 23.07 | 0.2028 | 24.07 | 0.2553 |
| Middle | | 3 | 1 | 23.14 | 0.2061 | 24.14 | 0.2594 |
| Highest | | 3 | 1 | 22.96 | 0.1977 | 23.96 | 0.2489 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 3MHz (Average) (GT - LC = 1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 14 | 24.05 | 0.2541 | 25.05 | 0.3199 |
| Middle | | 1 | 14 | 23.69 | 0.2339 | 24.69 | 0.2944 |
| Highest | | 1 | 14 | 23.74 | 0.2366 | 24.74 | 0.2979 |
| Lowest | 16QAM | 1 | 0 | 22.67 | 0.1849 | 23.67 | 0.2328 |
| Middle | | 1 | 0 | 22.94 | 0.1968 | 23.94 | 0.2477 |
| Highest | | 1 | 0 | 22.46 | 0.1762 | 23.46 | 0.2218 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 5MHz (Average) (GT - LC = 1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 23.96 | 0.2489 | 24.96 | 0.3133 |
| Middle | | 1 | 12 | 24.02 | 0.2523 | 25.02 | 0.3177 |
| Highest | | 1 | 12 | 23.98 | 0.2500 | 24.98 | 0.3148 |
| Lowest | 16QAM | 1 | 12 | 23.31 | 0.2143 | 24.31 | 0.2698 |
| Middle | | 1 | 12 | 22.53 | 0.1791 | 23.53 | 0.2254 |
| Highest | | 1 | 12 | 22.97 | 0.1982 | 23.97 | 0.2495 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 10MHz (Average) (GT - LC = 1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 24.10 | 0.2570 | 25.10 | 0.3236 |
| Middle | | 1 | 25 | 24.00 | 0.2512 | 25.00 | 0.3162 |
| Highest | | 1 | 25 | 23.90 | 0.2455 | 24.90 | 0.3090 |
| Lowest | 16QAM | 1 | 25 | 23.36 | 0.2168 | 24.36 | 0.2729 |
| Middle | | 1 | 25 | 23.23 | 0.2104 | 24.23 | 0.2649 |
| Highest | | 1 | 25 | 23.30 | 0.2138 | 24.30 | 0.2692 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 15MHz (Average) (GT - LC = 1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 24.01 | 0.2518 | 25.01 | 0.3170 |
| Middle | | 1 | 37 | 23.74 | 0.2366 | 24.74 | 0.2979 |
| Highest | | 1 | 37 | 24.05 | 0.2541 | 25.05 | 0.3199 |
| Lowest | 16QAM | 1 | 0 | 23.37 | 0.2173 | 24.37 | 0.2735 |
| Middle | | 1 | 0 | 23.22 | 0.2099 | 24.22 | 0.2642 |
| Highest | | 1 | 0 | 23.13 | 0.2056 | 24.13 | 0.2588 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 20MHz (Average) (GT - LC = 1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 24.11 | 0.2576 | 25.11 | 0.3243 |
| Middle | | 1 | 0 | 23.63 | 0.2307 | 24.63 | 0.2904 |
| Highest | | 1 | 0 | 23.67 | 0.2328 | 24.67 | 0.2931 |
| Lowest | 16QAM | 1 | 49 | 22.72 | 0.1871 | 23.72 | 0.2355 |
| Middle | | 1 | 49 | 23.00 | 0.1995 | 24.00 | 0.2512 |
| Highest | | 1 | 49 | 23.02 | 0.2004 | 24.02 | 0.2523 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 5 / 1.4MHz (Average) (GT - LC = -1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 3 | 1 | 23.65 | 0.2317 | 20.50 | 0.1122 |
| Middle | | 3 | 1 | 23.79 | 0.2393 | 20.64 | 0.1159 |
| Highest | | 3 | 1 | 23.61 | 0.2296 | 20.46 | 0.1112 |
| Lowest | 16QAM | 1 | 5 | 22.98 | 0.1986 | 19.83 | 0.0962 |
| Middle | | 1 | 5 | 22.87 | 0.1936 | 19.72 | 0.0938 |
| Highest | | 1 | 5 | 22.51 | 0.1782 | 19.36 | 0.0863 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 3MHz (Average) (GT - LC = -1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 23.71 | 0.2350 | 20.56 | 0.1138 |
| Middle | | 1 | 0 | 23.82 | 0.2410 | 20.67 | 0.1167 |
| Highest | | 1 | 0 | 23.75 | 0.2371 | 20.60 | 0.1148 |
| Lowest | 16QAM | 1 | 0 | 22.91 | 0.1954 | 19.76 | 0.0946 |
| Middle | | 1 | 0 | 22.83 | 0.1919 | 19.68 | 0.0929 |
| Highest | | 1 | 0 | 22.69 | 0.1858 | 19.54 | 0.0899 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 5MHz (Average) (GT - LC = -1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 23.92 | 0.2466 | 20.77 | 0.1194 |
| Middle | | 1 | 12 | 23.62 | 0.2301 | 20.47 | 0.1114 |
| Highest | | 1 | 12 | 23.85 | 0.2427 | 20.70 | 0.1175 |
| Lowest | 16QAM | 1 | 0 | 22.90 | 0.1950 | 19.75 | 0.0944 |
| Middle | | 1 | 0 | 22.88 | 0.1941 | 19.73 | 0.0940 |
| Highest | | 1 | 0 | 22.70 | 0.1862 | 19.55 | 0.0902 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 10MHz (Average) (GT - LC = -1 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 25 | 23.90 | 0.2455 | 20.75 | 0.1189 |
| Middle | | 1 | 25 | 23.85 | 0.2427 | 20.70 | 0.1175 |
| Highest | | 1 | 25 | 23.96 | 0.2489 | 20.81 | 0.1205 |
| Lowest | 16QAM | 1 | 0 | 22.90 | 0.1950 | 19.75 | 0.0944 |
| Middle | | 1 | 0 | 22.96 | 0.1977 | 19.81 | 0.0957 |
| Highest | | 1 | 0 | 22.70 | 0.1862 | 19.55 | 0.0902 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 12 / 1.4MHz (Average) (GT - LC = -2 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 3 | 3 | 23.67 | 0.2328 | 19.52 | 0.0895 |
| Middle | | 3 | 3 | 23.67 | 0.2328 | 19.52 | 0.0895 |
| Highest | | 3 | 3 | 23.81 | 0.2404 | 19.66 | 0.0925 |
| Lowest | 16QAM | 1 | 3 | 23.19 | 0.2084 | 19.04 | 0.0802 |
| Middle | | 1 | 3 | 23.33 | 0.2153 | 19.18 | 0.0828 |
| Highest | | 1 | 3 | 23.14 | 0.2061 | 18.99 | 0.0793 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 3MHz (Average) (GT - LC = -2 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 23.82 | 0.2410 | 19.67 | 0.0927 |
| Middle | | 1 | 0 | 23.74 | 0.2366 | 19.59 | 0.0910 |
| Highest | | 1 | 0 | 23.71 | 0.2350 | 19.56 | 0.0904 |
| Lowest | 16QAM | 1 | 14 | 22.93 | 0.1963 | 18.78 | 0.0755 |
| Middle | | 1 | 14 | 23.13 | 0.2056 | 18.98 | 0.0791 |
| Highest | | 1 | 14 | 23.23 | 0.2104 | 19.08 | 0.0809 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 5MHz (Average) (GT - LC = -2 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 23.83 | 0.2415 | 19.68 | 0.0929 |
| Middle | | 1 | 12 | 23.63 | 0.2307 | 19.48 | 0.0887 |
| Highest | | 1 | 12 | 23.84 | 0.2421 | 19.69 | 0.0931 |
| Lowest | 16QAM | 1 | 24 | 22.90 | 0.1950 | 18.75 | 0.0750 |
| Middle | | 1 | 24 | 23.19 | 0.2084 | 19.04 | 0.0802 |
| Highest | | 1 | 24 | 23.27 | 0.2123 | 19.12 | 0.0817 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 12 / 10MHz (Average) (GT - LC = -2 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 25 | 24.00 | 0.2512 | 19.85 | 0.0966 |
| Middle | | 1 | 25 | 23.68 | 0.2333 | 19.53 | 0.0897 |
| Highest | | 1 | 25 | 23.91 | 0.2460 | 19.76 | 0.0946 |
| Lowest | 16QAM | 1 | 25 | 22.69 | 0.1858 | 18.54 | 0.0714 |
| Middle | | 1 | 25 | 22.95 | 0.1972 | 18.80 | 0.0759 |
| Highest | | 1 | 25 | 23.23 | 0.2104 | 19.08 | 0.0809 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 13 / 5MHz (Average) (GT - LC = -0.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 23.72 | 0.2355 | 21.07 | 0.1279 |
| Middle | | 1 | 12 | 23.88 | 0.2443 | 21.23 | 0.1327 |
| Highest | | 1 | 12 | 23.61 | 0.2296 | 20.96 | 0.1247 |
| Lowest | 16QAM | 1 | 0 | 23.28 | 0.2128 | 20.63 | 0.1156 |
| Middle | | 1 | 0 | 22.54 | 0.1795 | 19.89 | 0.0975 |
| Highest | | 1 | 0 | 22.55 | 0.1799 | 19.90 | 0.0977 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 13 / 10MHz (Average) (GT - LC = -0.5 dB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | - | - | - | - | - | - |
| Middle | | 1 | 25 | 23.89 | 0.2449 | 21.24 | 0.1330 |
| Highest | | - | - | - | - | - | - |
| Lowest | 16QAM | - | - | - | - | - | - |
| Middle | | 1 | 25 | 23.42 | 0.2198 | 20.77 | 0.1194 |
| Highest | | - | - | - | - | - | - |
| Limit | ERP < 3W | | | Result | | PASS | |

# Radiated Spurious Emission

## Part24E_LTE Band 2

| LTE Band 2/ 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3721 | -58.70 | -13 | -45.70 | -76.5 | -68.98 | 1.98 | 12.27 | H |
| | 5580 | -56.08 | -13 | -43.08 | -77.28 | -66.26 | 2.14 | 12.31 | H |
| | 7440 | -51.74 | -13 | -38.74 | -76.75 | -59.70 | 2.15 | 10.11 | H |
| | | | | | | | | | H |
| | 3721 | -59.04 | -13 | -46.04 | -76.27 | -69.32 | 1.98 | 12.27 | V |
| | 5580 | -55.84 | -13 | -42.84 | -77.26 | -66.02 | 2.14 | 12.31 | V |
| | 7440 | -52.77 | -13 | -39.77 | -76.87 | -60.73 | 2.15 | 10.11 | V |
| | | | | | | | | | V |
| Middle | 3763 | -58.54 | -13 | -45.54 | -76.2 | -68.78 | 2.01 | 12.24 | H |
| | 5640 | -56.03 | -13 | -43.03 | -77.2 | -66.30 | 2.12 | 12.40 | H |
| | 7520 | -50.96 | -13 | -37.96 | -76.45 | -58.92 | 2.11 | 10.07 | H |
| | | | | | | | | | H |
| | 3763 | -59.25 | -13 | -46.25 | -76.41 | -69.49 | 2.01 | 12.24 | V |
| | 5640 | -55.94 | -13 | -42.94 | -77.3 | -66.21 | 2.12 | 12.40 | V |
| | 7520 | -51.74 | -13 | -38.74 | -76.47 | -59.70 | 2.11 | 10.07 | V |
| | | | | | | | | | V |
| Highest | 3800 | -58.73 | -13 | -45.73 | -76.28 | -68.92 | 2.03 | 12.22 | H |
| | 5700 | -56.02 | -13 | -43.02 | -77.24 | -66.39 | 2.11 | 12.48 | H |
| | 7600 | -51.07 | -13 | -38.07 | -76.36 | -59.32 | 2.11 | 10.36 | H |
| | | | | | | | | | H |
| | 3800 | -58.58 | -13 | -45.58 | -75.69 | -68.77 | 2.03 | 12.22 | V |
| | 5700 | -55.62 | -13 | -42.62 | -76.98 | -65.99 | 2.11 | 12.48 | V |
| | 7600 | -51.54 | -13 | -38.54 | -76.41 | -59.79 | 2.11 | 10.36 | V |
| | | | | | | | | | V |

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

# Part27L_LTE Band 4

| LTE Band 4 / 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3420 | -59.23 | -13 | -46.23 | -76.07 | -69.59 | 1.80 | 12.16 | H |
| | 5130 | -56.23 | -13 | -43.23 | -76.85 | -66.05 | 2.31 | 12.13 | H |
| | 6843 | -53.36 | -13 | -40.36 | -76.69 | -62.05 | 2.37 | 11.06 | H |
| | | | | | | | | | H |
| | 3420 | -59.98 | -13 | -46.98 | -76.35 | -70.34 | 1.80 | 12.16 | V |
| | 5130 | -56.04 | -13 | -43.04 | -76.6 | -65.86 | 2.31 | 12.13 | V |
| | 6843 | -54.25 | -13 | -41.25 | -76.9 | -62.94 | 2.37 | 11.06 | V |
| | | | | | | | | | V |
| Middle | 3448 | -59.12 | -13 | -46.12 | -76.13 | -69.54 | 1.83 | 12.24 | H |
| | 5170 | -56.16 | -13 | -43.16 | -76.8 | -66.00 | 2.29 | 12.13 | H |
| | 6899 | -53.09 | -13 | -40.09 | -76.71 | -61.71 | 2.39 | 11.00 | H |
| | | | | | | | | | H |
| | 3448 | -59.62 | -13 | -46.62 | -76.16 | -70.04 | 1.83 | 12.24 | V |
| | 5170 | -56.64 | -13 | -43.64 | -77.2 | -66.48 | 2.29 | 12.13 | V |
| | 6899 | -53.57 | -13 | -40.57 | -76.37 | -62.19 | 2.39 | 11.00 | V |
| | | | | | | | | | V |
| Highest | 3469 | -59.08 | -13 | -46.08 | -76.27 | -69.54 | 1.84 | 12.31 | H |
| | 5205 | -56.93 | -13 | -43.93 | -77.59 | -66.80 | 2.28 | 12.14 | H |
| | 6941 | -52.83 | -13 | -39.83 | -76.74 | -61.39 | 2.40 | 10.96 | H |
| | | | | | | | | | H |
| | 3469 | -59.33 | -13 | -46.33 | -76.06 | -69.79 | 1.84 | 12.31 | V |
| | 5205 | -56.77 | -13 | -43.77 | -77.32 | -66.64 | 2.28 | 12.14 | V |
| | 6941 | -53.58 | -13 | -40.58 | -76.53 | -62.14 | 2.40 | 10.96 | V |
| | | | | | | | | | V |

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

# Part22H_LTE Band 5

| LTE Band 5 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1656 | -58.67 | -13 | -45.67 | -71.22 | -64.08 | 1.23 | 8.79 | H |
| | 2488 | -60.04 | -13 | -47.04 | -75.24 | -66.94 | 1.44 | 10.49 | H |
| | 3320 | -59.37 | -13 | -46.37 | -76.38 | -67.36 | 1.72 | 11.86 | H |
| | | | | | | | | | H |
| | 1656 | -63.21 | -13 | -50.21 | -73.47 | -68.62 | 1.23 | 8.79 | V |
| | 2488 | -60.02 | -13 | -47.02 | -74.71 | -66.92 | 1.44 | 10.49 | V |
| | 3320 | -59.88 | -13 | -46.88 | -76.44 | -67.87 | 1.72 | 11.86 | V |
| | | | | | | | | | V |
| Middle | 1672 | -58.30 | -13 | -45.30 | -71.06 | -63.77 | 1.24 | 8.85 | H |
| | 2512 | -59.70 | -13 | -46.70 | -74.85 | -66.62 | 1.44 | 10.51 | H |
| | 3344 | -59.64 | -13 | -46.64 | -76.58 | -67.68 | 1.74 | 11.93 | H |
| | | | | | | | | | H |
| | 1672 | -62.80 | -13 | -49.80 | -73.14 | -68.27 | 1.24 | 8.85 | V |
| | 2512 | -59.42 | -13 | -46.42 | -74.12 | -66.34 | 1.44 | 10.51 | V |
| | 3344 | -59.85 | -13 | -46.85 | -76.33 | -67.89 | 1.74 | 11.93 | V |
| | | | | | | | | | V |
| Highest | 1688 | -58.03 | -13 | -45.03 | -71.02 | -63.55 | 1.24 | 8.91 | H |
| | 2536 | -57.08 | -13 | -44.08 | -72.17 | -64.02 | 1.44 | 10.53 | H |
| | 3376 | -59.72 | -13 | -46.72 | -76.52 | -67.83 | 1.77 | 12.03 | H |
| | | | | | | | | | H |
| | 1688 | -61.16 | -13 | -48.16 | -71.61 | -66.68 | 1.24 | 8.91 | V |
| | 2536 | -57.60 | -13 | -44.60 | -72.29 | -64.54 | 1.44 | 10.53 | V |
| | 3376 | -60.12 | -13 | -47.12 | -76.46 | -68.23 | 1.77 | 12.03 | V |
| | | | | | | | | | V |

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

# Part27F_LTE Band 12

| LTE Band 12 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1408 | -56.96 | -13.00 | -43.96 | -68.19 | -61.44 | 1.15 | 7.78 | H |
| | 2112 | -60.40 | -13.00 | -47.40 | -75.75 | -67.06 | 1.38 | 10.19 | H |
| | 2816 | -59.96 | -13.00 | -46.96 | -75.97 | -67.11 | 1.45 | 10.75 | H |
| | | | | | | | | | H |
| | 1408 | -56.88 | -13.00 | -43.88 | -67.32 | -61.36 | 1.15 | 7.78 | V |
| | 2112 | -61.11 | -13.00 | -48.11 | -75.73 | -67.77 | 1.38 | 10.19 | V |
| | 2816 | -60.66 | -13.00 | -47.66 | -76.23 | -67.81 | 1.45 | 10.75 | V |
| | | | | | | | | | V |
| Middle | 1416 | -48.18 | -13.00 | -35.18 | -59.41 | -52.69 | 1.15 | 7.81 | H |
| | 2120 | -60.23 | -13.00 | -47.23 | -75.58 | -66.90 | 1.38 | 10.20 | H |
| | 2832 | -60.00 | -13.00 | -47.00 | -76.09 | -67.16 | 1.45 | 10.77 | H |
| | | | | | | | | | H |
| | 1416 | -46.90 | -13.00 | -33.90 | -57.34 | -51.41 | 1.15 | 7.81 | V |
| | 2120 | -61.04 | -13.00 | -48.04 | -75.66 | -67.71 | 1.38 | 10.20 | V |
| | 2832 | -60.48 | -13.00 | -47.48 | -76.06 | -67.64 | 1.45 | 10.77 | V |
| | | | | | | | | | V |
| Highest | 1424 | -49.05 | -13.00 | -36.05 | -60.40 | -53.60 | 1.15 | 7.85 | H |
| | 2133 | -60.21 | -13.00 | -47.21 | -75.87 | -66.89 | 1.38 | 10.21 | H |
| | 2844 | -59.99 | -13.00 | -46.99 | -76.16 | -67.16 | 1.45 | 10.78 | H |
| | | | | | | | | | H |
| | 1424 | -48.61 | -13.00 | -35.61 | -59.16 | -53.16 | 1.15 | 7.85 | V |
| | 2133 | -60.71 | -13.00 | -47.71 | -75.65 | -67.39 | 1.38 | 10.21 | V |
| | 2844 | -60.61 | -13.00 | -47.61 | -76.21 | -67.78 | 1.45 | 10.78 | V |
| | | | | | | | | | V |

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

# Part27F_LTE Band 13

| LTE Band 13 / 5MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1560 | -57.79 | -42.15 | -15.64 | -69.59 | -62.88 | 1.19 | 8.43 | H |
| | 2336 | -52.71 | -13 | -39.71 | -68.94 | -59.52 | 1.41 | 10.37 | H |
| | 3896 | -56.20 | -13 | -43.20 | -74.05 | -64.14 | 2.08 | 12.16 | H |
| | | | | | | | | | H |
| | 1560 | -64.65 | -42.15 | -22.50 | -74.96 | -69.74 | 1.19 | 8.43 | V |
| | 2336 | -52.85 | -13 | -39.85 | -68.18 | -59.66 | 1.41 | 10.37 | V |
| | 3896 | -58.84 | -13 | -45.84 | -76.27 | -66.78 | 2.08 | 12.16 | V |
| | | | | | | | | | V |
| Middle | 1568 | -62.37 | -42.15 | -20.22 | -74.18 | -67.48 | 1.20 | 8.46 | H |
| | 2344 | -53.21 | -13 | -40.21 | -69.34 | -60.02 | 1.42 | 10.38 | H |
| | 3128 | -59.00 | -13 | -46.00 | -76.23 | -66.57 | 1.56 | 11.28 | H |
| | | | | | | | | | H |
| | 1568 | -64.70 | -42.15 | -22.55 | -74.81 | -69.81 | 1.20 | 8.46 | V |
| | 2344 | -56.55 | -13 | -43.55 | -71.74 | -63.36 | 1.42 | 10.38 | V |
| | 3128 | -59.66 | -13 | -46.66 | -76.21 | -67.23 | 1.56 | 11.28 | V |
| | | | | | | | | | V |
| Highest | 1568 | -62.63 | -42.15 | -20.48 | -74.44 | -67.74 | 1.20 | 8.46 | H |
| | 2351 | -54.57 | -13 | -41.57 | -70.70 | -61.38 | 1.42 | 10.38 | H |
| | 3136 | -58.95 | -13 | -45.95 | -76.25 | -66.54 | 1.57 | 11.31 | H |
| | | | | | | | | | H |
| | 1568 | -64.03 | -42.15 | -21.88 | -74.14 | -69.14 | 1.20 | 8.46 | V |
| | 2351 | -56.23 | -13 | -43.23 | -71.42 | -63.04 | 1.42 | 10.38 | V |
| | 3136 | -59.66 | -13 | -46.66 | -76.34 | -67.25 | 1.57 | 11.31 | V |
| | | | | | | | | | V |

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

| LTE Band 13 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1568 | -60.34 | -42.15 | -18.19 | -72.15 | -65.45 | 1.20 | 8.46 | H |
| | 2344 | -49.25 | -13 | -36.25 | -65.38 | -56.06 | 1.42 | 10.38 | H |
| | 3112 | -59.07 | -13 | -46.07 | -76.3 | -66.60 | 1.55 | 11.24 | H |
| | | | | | | | | | H |
| | 1568 | -64.95 | -42.15 | -22.80 | -75.06 | -70.06 | 1.20 | 8.46 | V |
| | 2344 | -56.98 | -13 | -43.98 | -72.17 | -63.79 | 1.42 | 10.38 | V |
| | 3112 | -59.77 | -13 | -46.77 | -76.32 | -67.30 | 1.55 | 11.24 | V |
| | | | | | | | | | V |

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