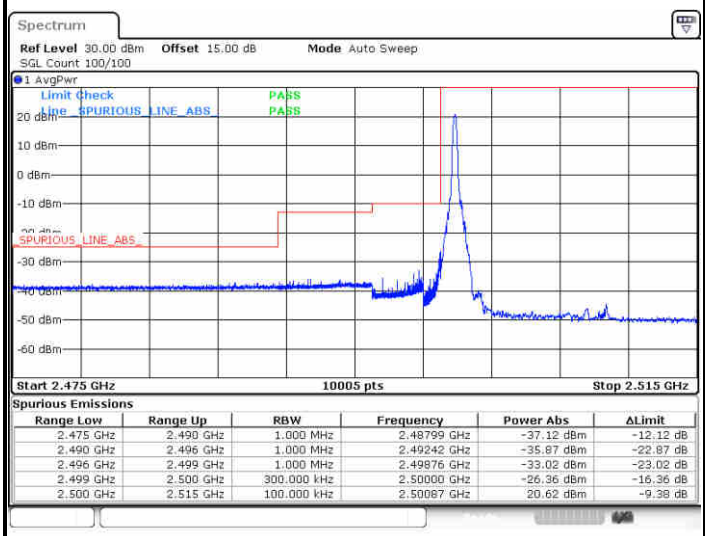
## LTE Band 7 / 15MHz / 64QAM

### Lowest Band Edge / 1 RB

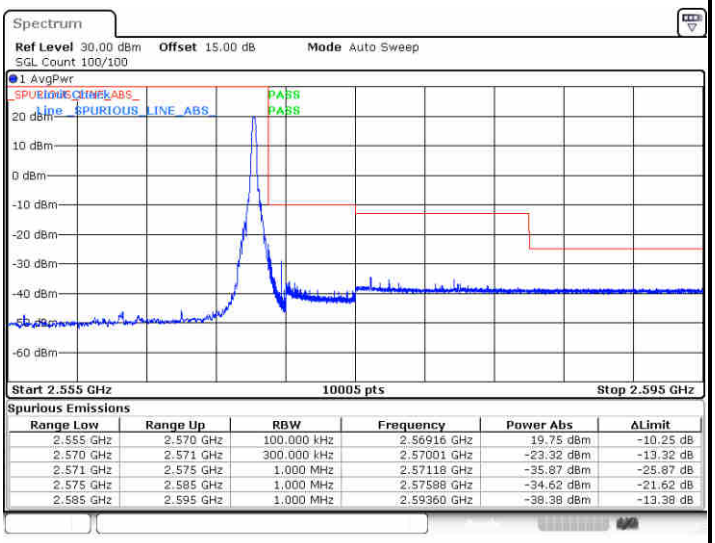



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48799 GHz | -37.12 dBm | -12.12 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49242 GHz | -35.87 dBm | -22.87 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49876 GHz | -33.02 dBm | -23.02 dB |
| 2.499 GHz | 2.500 GHz | 300.000 kHz | 2.50000 GHz | -26.36 dBm | -16.36 dB |
| 2.500 GHz | 2.515 GHz | 100.000 kHz | 2.50087 GHz | 20.62 dBm | -9.38 dB |

Date: 15.DEC.2019 02:00:17

### Highest Band Edge / 1 RB

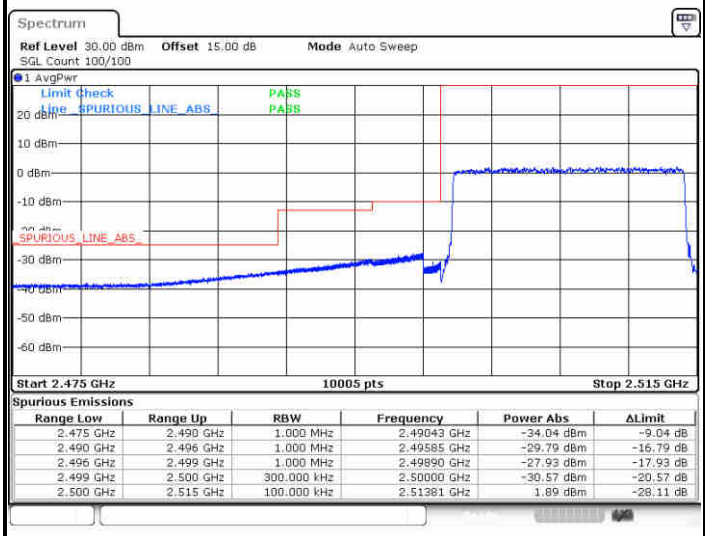



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56916 GHz | 19.75 dBm | -10.25 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57001 GHz | -23.32 dBm | -13.32 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57118 GHz | -35.87 dBm | -25.87 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57588 GHz | -34.62 dBm | -21.62 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.59360 GHz | -38.38 dBm | -13.38 dB |

Date: 15.DEC.2019 02:04:33

### Lowest Band Edge / Full RB

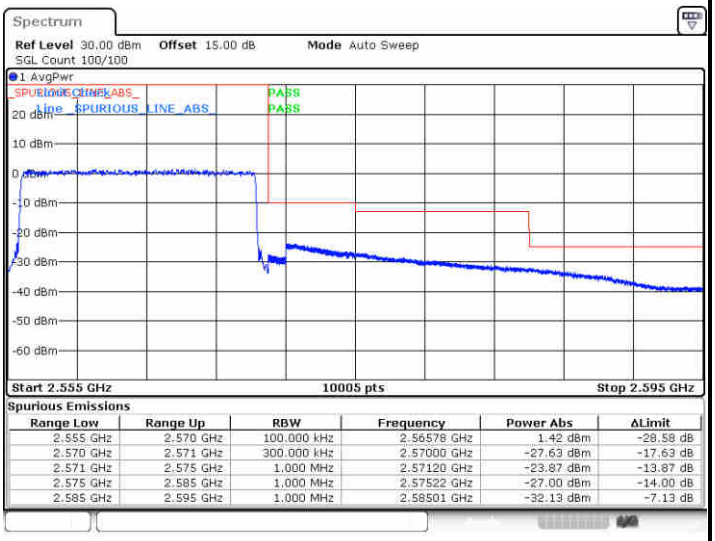



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49043 GHz | -34.04 dBm | -9.04 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49585 GHz | -29.79 dBm | -16.79 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49890 GHz | -27.93 dBm | -17.93 dB |
| 2.499 GHz | 2.500 GHz | 300.000 kHz | 2.50000 GHz | -30.57 dBm | -20.57 dB |
| 2.500 GHz | 2.515 GHz | 100.000 kHz | 2.51381 GHz | 1.89 dBm | -28.11 dB |

Date: 15.DEC.2019 02:01:18

### Highest Band Edge / Full RB



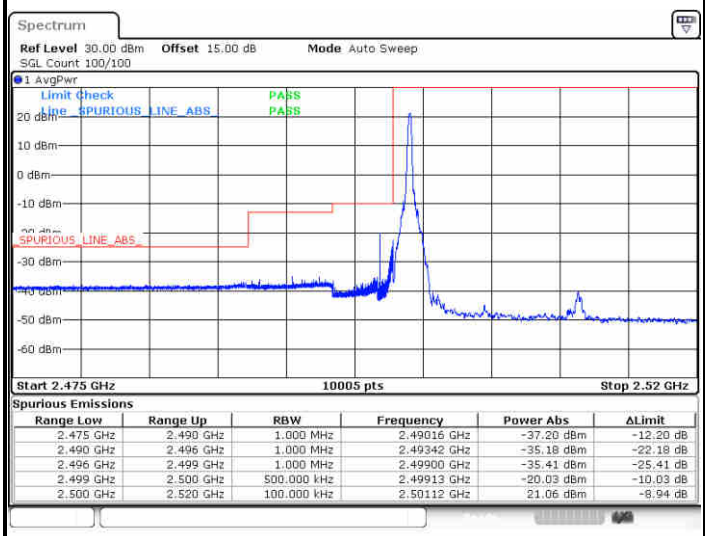

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56578 GHz | 1.42 dBm | -28.58 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57000 GHz | -27.63 dBm | -17.63 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57120 GHz | -23.87 dBm | -13.87 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57522 GHz | -27.00 dBm | -14.00 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58501 GHz | -32.13 dBm | -7.13 dB |

Date: 15.DEC.2019 02:05:34

## LTE Band 7 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

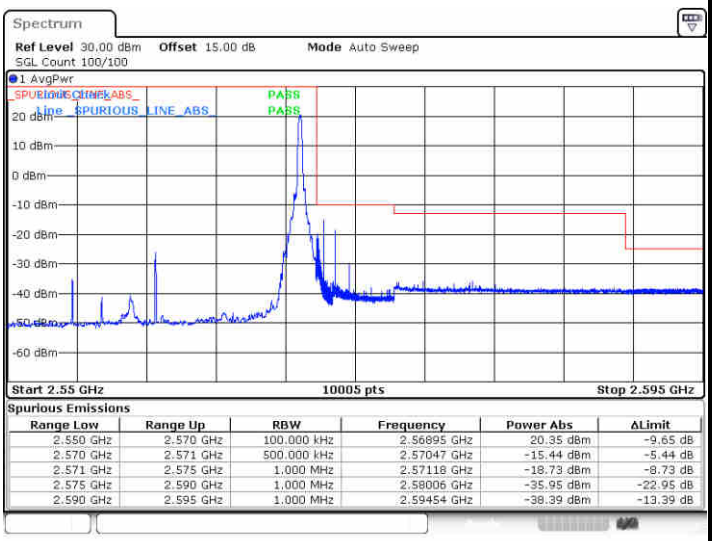



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49016 GHz | -37.20 dBm | -12.20 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49342 GHz | -35.18 dBm | -22.18 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49900 GHz | -35.41 dBm | -25.41 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49913 GHz | -20.03 dBm | -10.03 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.50112 GHz | 21.06 dBm | -8.94 dB |

Date: 15.DEC.2019 02:08:05

### Highest Band Edge / 1 RB

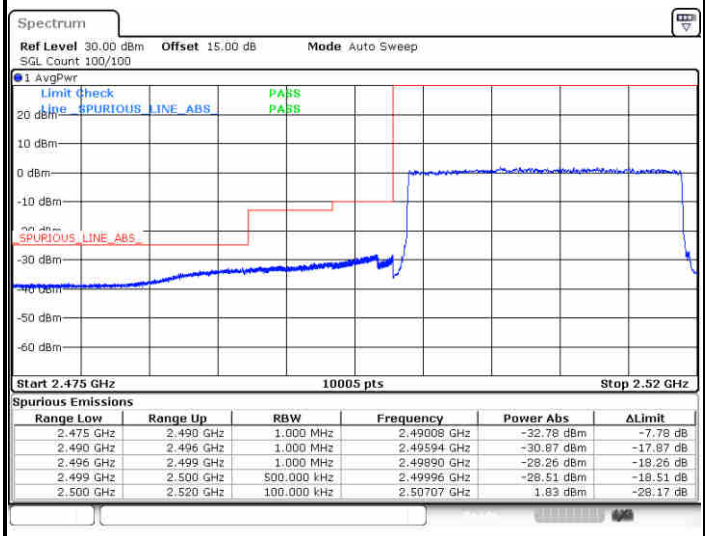



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56895 GHz | 20.35 dBm | -9.65 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57047 GHz | -15.44 dBm | -5.44 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57118 GHz | -18.73 dBm | -8.73 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.58006 GHz | -35.95 dBm | -22.95 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59454 GHz | -38.39 dBm | -13.39 dB |

Date: 15.DEC.2019 02:16:37

### Lowest Band Edge / Full RB

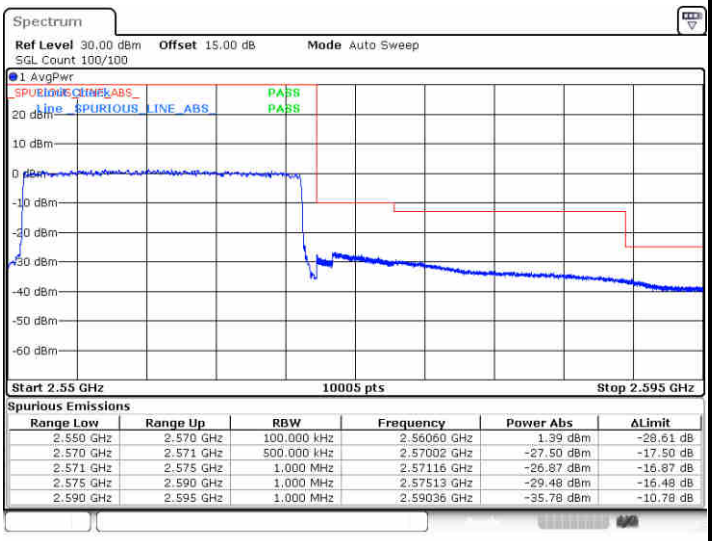



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49008 GHz | -32.78 dBm | -7.78 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49594 GHz | -30.87 dBm | -17.87 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49890 GHz | -28.26 dBm | -18.26 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49996 GHz | -28.51 dBm | -18.51 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.50707 GHz | 1.83 dBm | -28.17 dB |

Date: 15.DEC.2019 02:10:06

### Highest Band Edge / Full RB



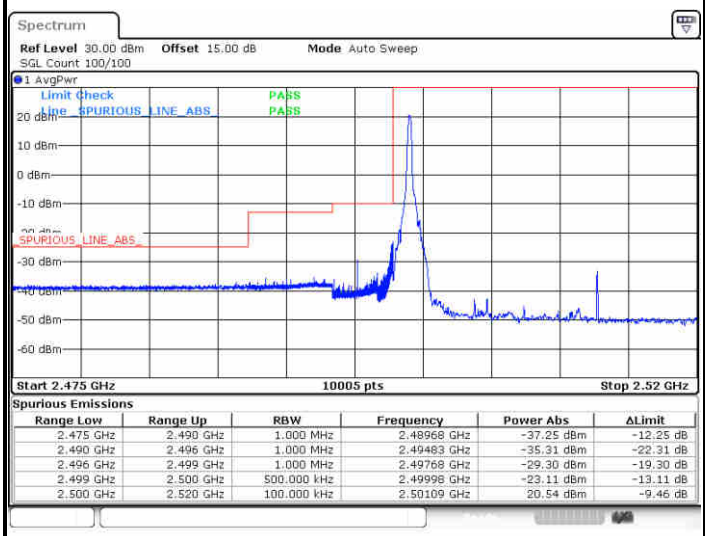

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56060 GHz | 1.39 dBm | -28.61 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57002 GHz | -27.50 dBm | -17.50 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57116 GHz | -26.87 dBm | -16.87 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57513 GHz | -29.48 dBm | -16.48 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59036 GHz | -35.78 dBm | -10.78 dB |

Date: 15.DEC.2019 02:19:39

## LTE Band 7 / 20MHz / 16QAM

### Lowest Band Edge /1 RB

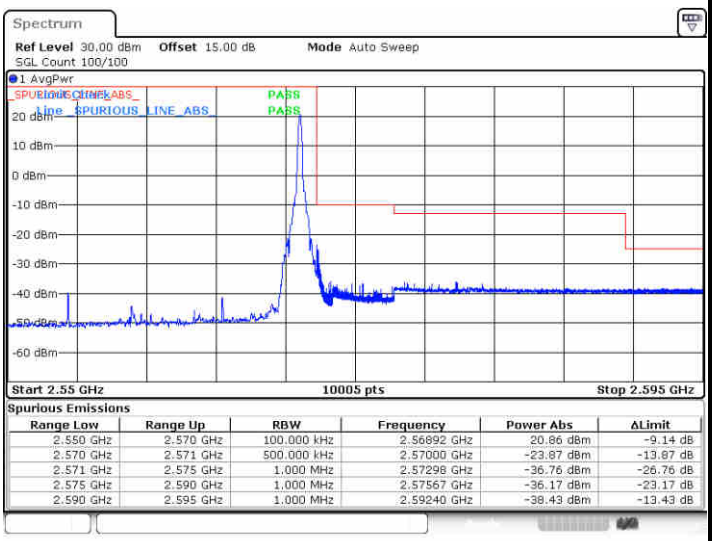



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48968 GHz | -37.25 dBm | -12.25 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49483 GHz | -35.31 dBm | -22.31 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49768 GHz | -29.30 dBm | -19.30 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49998 GHz | -23.11 dBm | -13.11 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.50109 GHz | 20.54 dBm | -9.46 dB |

Date: 15.DEC.2019 02:09:06

### Highest Band Edge / 1RB

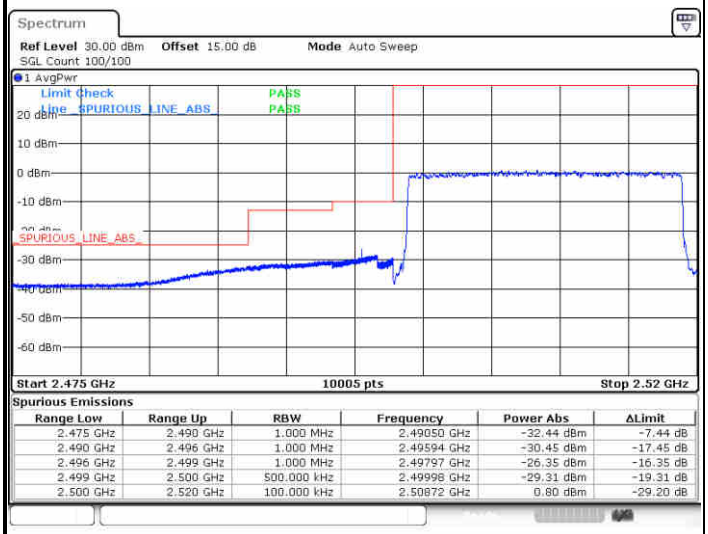



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56892 GHz | 20.86 dBm | -9.14 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57000 GHz | -23.87 dBm | -13.87 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57298 GHz | -36.76 dBm | -26.76 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57567 GHz | -36.17 dBm | -23.17 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59240 GHz | -38.43 dBm | -13.43 dB |

Date: 15.DEC.2019 02:17:38

### Lowest Band Edge / Full RB

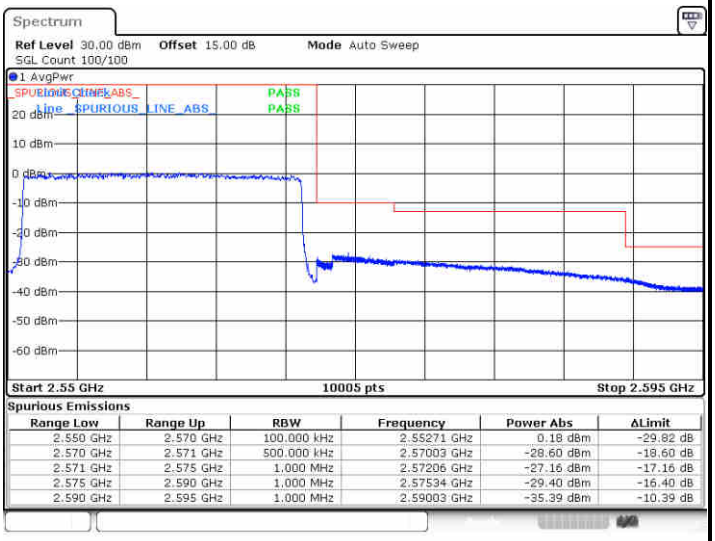



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49050 GHz | -32.44 dBm | -7.44 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49594 GHz | -30.45 dBm | -17.45 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49797 GHz | -26.35 dBm | -16.35 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49998 GHz | -29.31 dBm | -19.31 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.50872 GHz | 0.80 dBm | -29.20 dB |

Date: 15.DEC.2019 02:11:07

### Highest Band Edge / Full RB



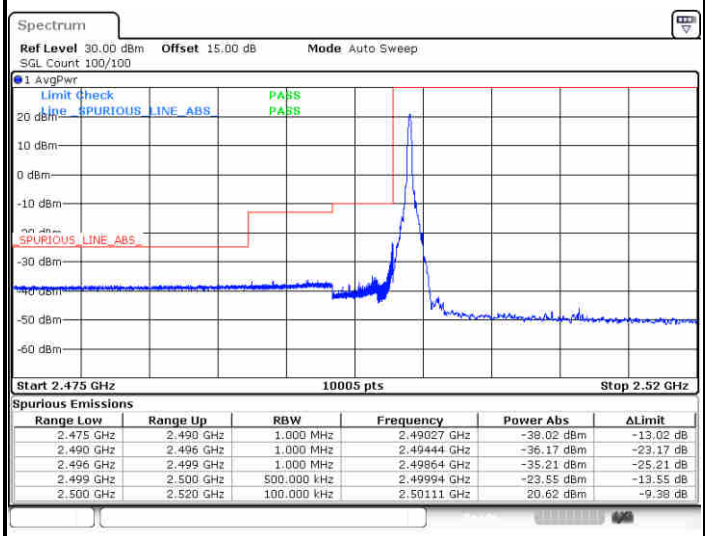

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55271 GHz | 0.18 dBm | -29.82 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57003 GHz | -28.60 dBm | -18.60 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57206 GHz | -27.16 dBm | -17.16 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57534 GHz | -29.40 dBm | -16.40 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59003 GHz | -35.39 dBm | -10.39 dB |

Date: 15.DEC.2019 02:18:39

## LTE Band 7 / 20MHz / 64QAM

### Lowest Band Edge / 1 RB

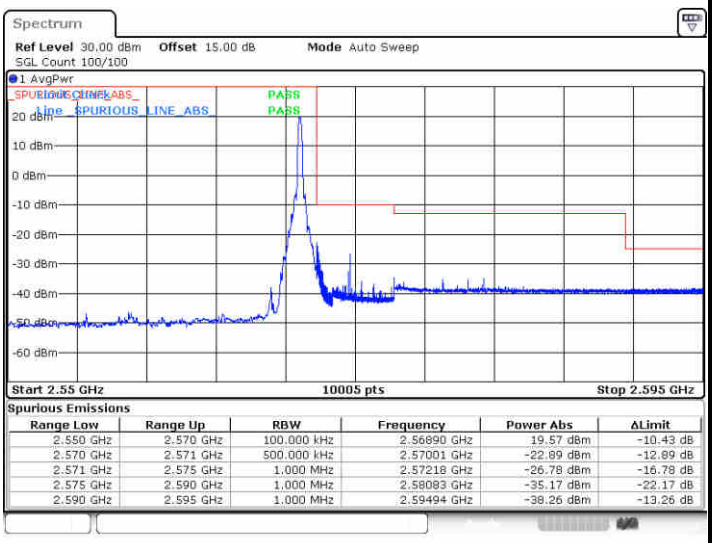



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49027 GHz | -38.02 dBm | -13.02 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49444 GHz | -36.17 dBm | -23.17 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49864 GHz | -35.21 dBm | -25.21 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49994 GHz | -23.55 dBm | -13.55 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.50111 GHz | 20.62 dBm | -9.38 dB |

Date: 15.DEC.2019 02:22:32

### Highest Band Edge / 1 RB

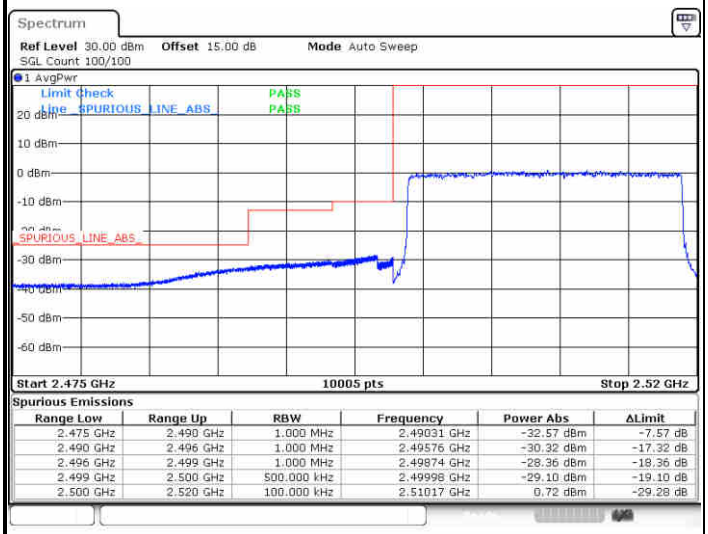



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56890 GHz | 19.57 dBm | -10.43 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57001 GHz | -22.89 dBm | -12.89 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57218 GHz | -26.78 dBm | -16.78 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.58083 GHz | -35.17 dBm | -22.17 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59494 GHz | -38.26 dBm | -13.26 dB |

Date: 15.DEC.2019 02:26:49

### Lowest Band Edge / Full RB

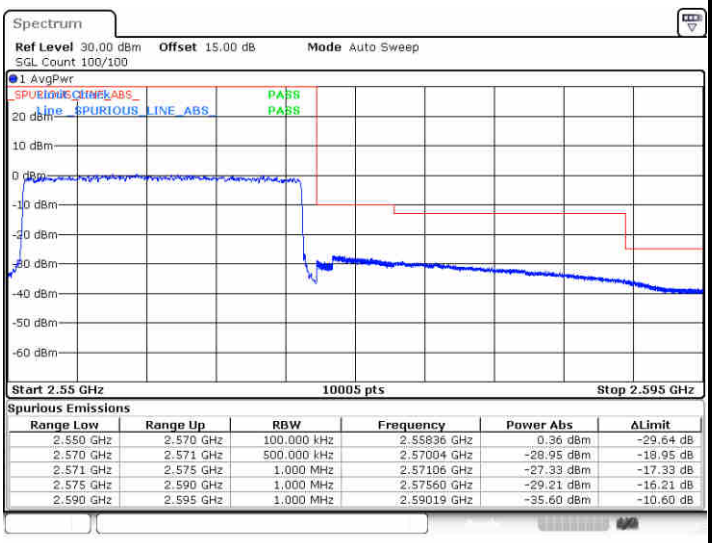



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49031 GHz | -32.57 dBm | -7.57 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49576 GHz | -30.32 dBm | -17.32 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49874 GHz | -28.36 dBm | -18.36 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49998 GHz | -29.10 dBm | -19.10 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.51017 GHz | 0.72 dBm | -29.28 dB |

Date: 15.DEC.2019 02:23:33

### Highest Band Edge / Full RB




Spurious Emissions

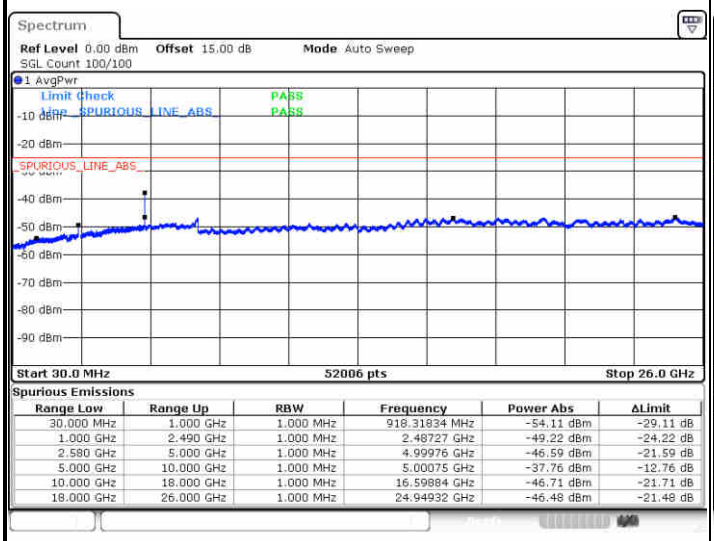
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55836 GHz | 0.36 dBm | -29.64 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57004 GHz | -28.95 dBm | -18.95 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57106 GHz | -27.33 dBm | -17.33 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57560 GHz | -29.21 dBm | -16.21 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59019 GHz | -35.60 dBm | -10.60 dB |

Date: 15.DEC.2019 02:27:50

# Conducted Spurious Emission

## LTE Band 7 / 5MHz

### Lowest Channel / QPSK

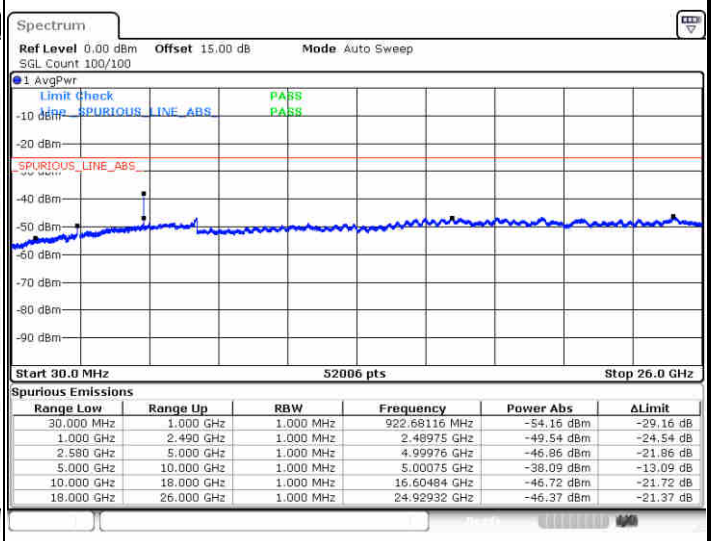



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 918.31834 MHz | -54.11 dBm | -29.11 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48727 GHz | -49.22 dBm | -24.22 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99976 GHz | -46.59 dBm | -21.59 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00075 GHz | -37.76 dBm | -12.76 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59884 GHz | -46.71 dBm | -21.71 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.94932 GHz | -46.48 dBm | -21.48 dB |

Date: 15.DEC.2019 01:05:12

### Lowest Channel / 16QAM

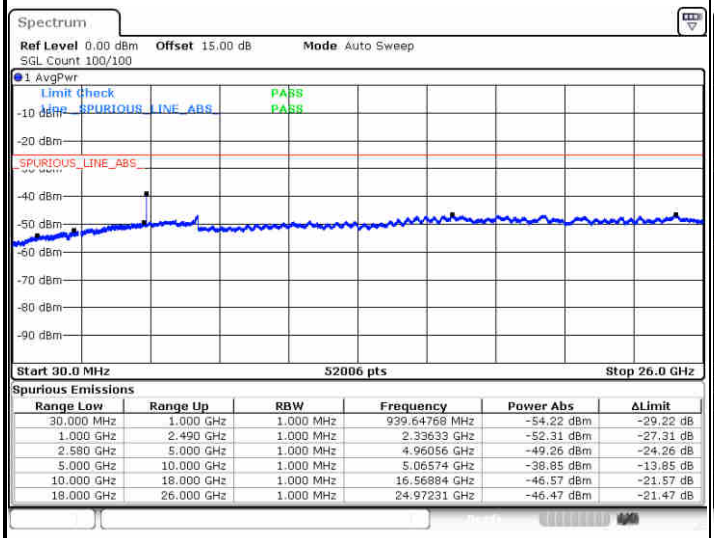



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 922.68116 MHz | -54.16 dBm | -29.16 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -49.54 dBm | -24.54 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99976 GHz | -46.86 dBm | -21.86 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00075 GHz | -38.09 dBm | -13.09 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.60484 GHz | -46.72 dBm | -21.72 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.92932 GHz | -46.37 dBm | -21.37 dB |

Date: 15.DEC.2019 01:05:57

### Middle Channel / QPSK

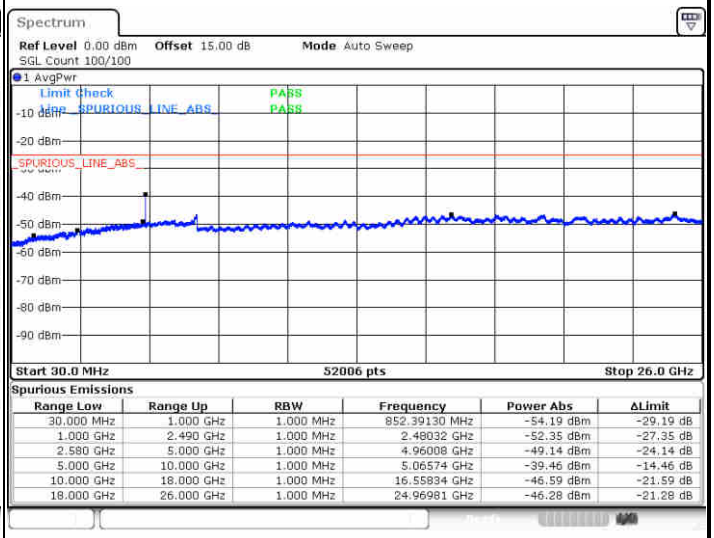



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 939.64768 MHz | -54.22 dBm | -29.22 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.33633 GHz | -52.31 dBm | -27.31 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96056 GHz | -49.26 dBm | -24.26 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06574 GHz | -38.85 dBm | -13.85 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.56884 GHz | -46.57 dBm | -21.57 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.97231 GHz | -46.47 dBm | -21.47 dB |

Date: 15.DEC.2019 01:07:27

### Middle Channel / 16QAM



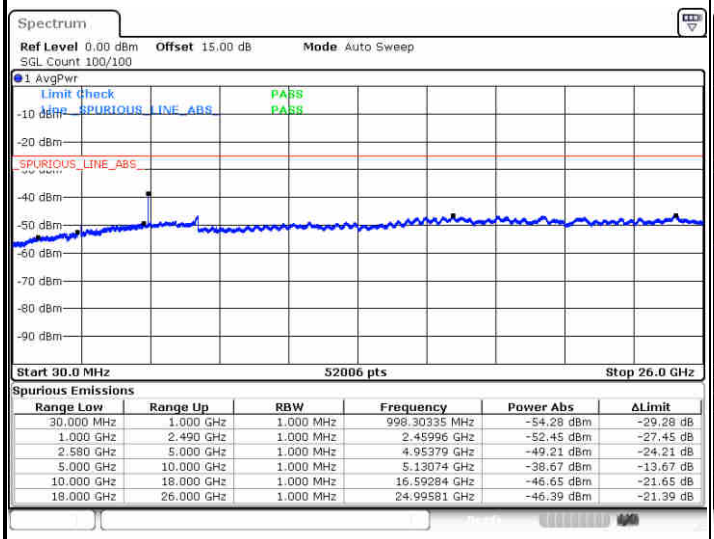

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 852.39130 MHz | -54.19 dBm | -29.19 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48032 GHz | -52.35 dBm | -27.35 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96008 GHz | -49.14 dBm | -24.14 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06574 GHz | -39.46 dBm | -14.46 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.55834 GHz | -46.59 dBm | -21.59 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.96981 GHz | -46.28 dBm | -21.28 dB |

Date: 15.DEC.2019 01:08:12

## LTE Band 7 / 5MHz

### Highest Channel / QPSK

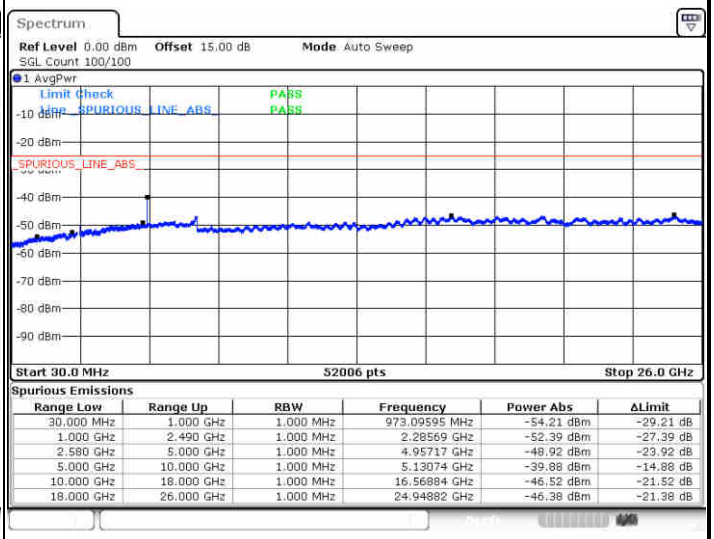



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 998.30335 MHz | -54.28 dBm | -29.28 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.45996 GHz | -52.45 dBm | -27.45 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.95379 GHz | -49.21 dBm | -24.21 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.13074 GHz | -38.67 dBm | -13.67 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59284 GHz | -46.65 dBm | -21.65 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.99581 GHz | -46.39 dBm | -21.39 dB |

Date: 15.DEC.2019 01:13:44

### Highest Channel / 16QAM



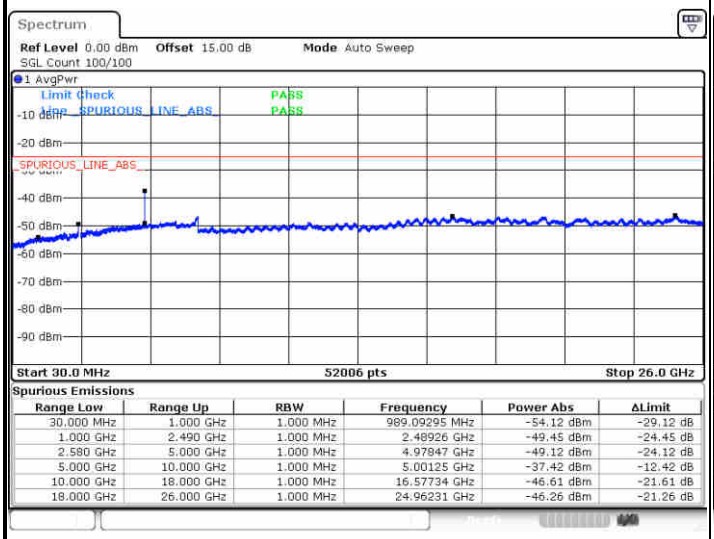

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 973.09595 MHz | -54.21 dBm | -29.21 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.28569 GHz | -52.39 dBm | -27.39 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.95717 GHz | -48.92 dBm | -23.92 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.13074 GHz | -39.88 dBm | -14.88 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.56884 GHz | -46.52 dBm | -21.52 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.94882 GHz | -46.38 dBm | -21.38 dB |

Date: 15.DEC.2019 01:14:29

## LTE Band 7 / 10MHz

### Lowest Channel / QPSK

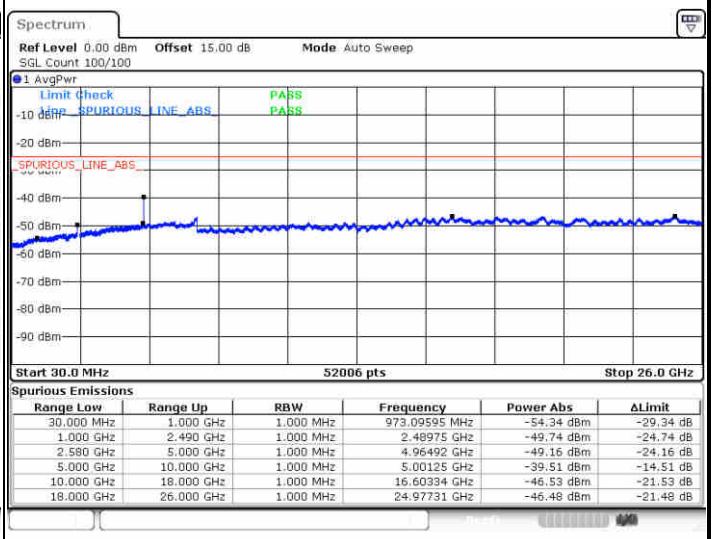



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 989.09295 MHz | -54.12 dBm | -29.12 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48926 GHz | -49.45 dBm | -24.45 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97847 GHz | -49.12 dBm | -24.12 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00125 GHz | -37.42 dBm | -12.42 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.57734 GHz | -46.61 dBm | -21.61 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.96231 GHz | -46.26 dBm | -21.26 dB |

Date: 15.DEC.2019 01:27:25

### Lowest Channel / 16QAM



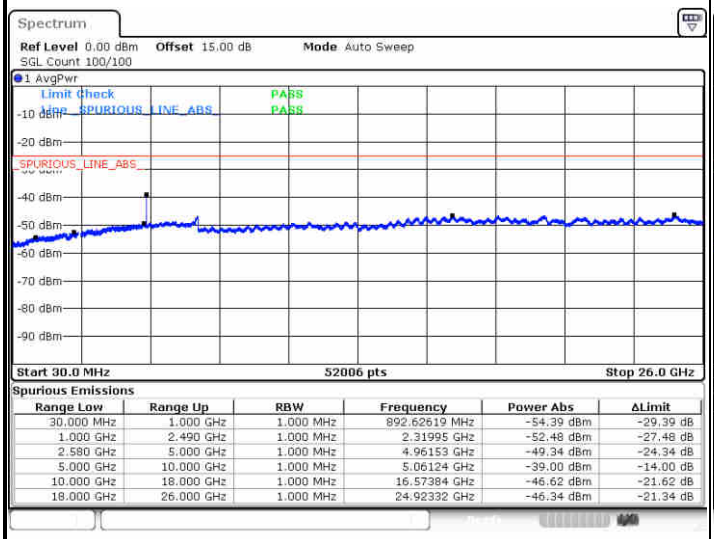

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 973.09595 MHz | -54.34 dBm | -29.34 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -49.74 dBm | -24.74 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96492 GHz | -49.16 dBm | -24.16 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00125 GHz | -39.51 dBm | -14.51 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.60334 GHz | -46.53 dBm | -21.53 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.97731 GHz | -46.48 dBm | -21.48 dB |

Date: 15.DEC.2019 01:28:10

## LTE Band 7 / 10MHz

### Middle Channel / QPSK

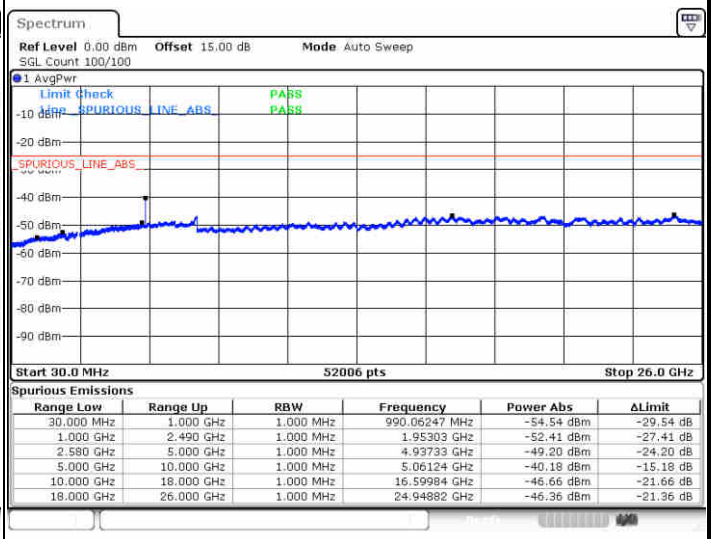



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 892.62619 MHz | -54.39 dBm | -29.39 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.31995 GHz | -52.48 dBm | -27.48 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96153 GHz | -49.34 dBm | -24.34 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06124 GHz | -39.00 dBm | -14.00 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.57384 GHz | -46.62 dBm | -21.62 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.92332 GHz | -46.34 dBm | -21.34 dB |

Date: 15.DEC.2019 01:29:40

### Middle Channel / 16QAM

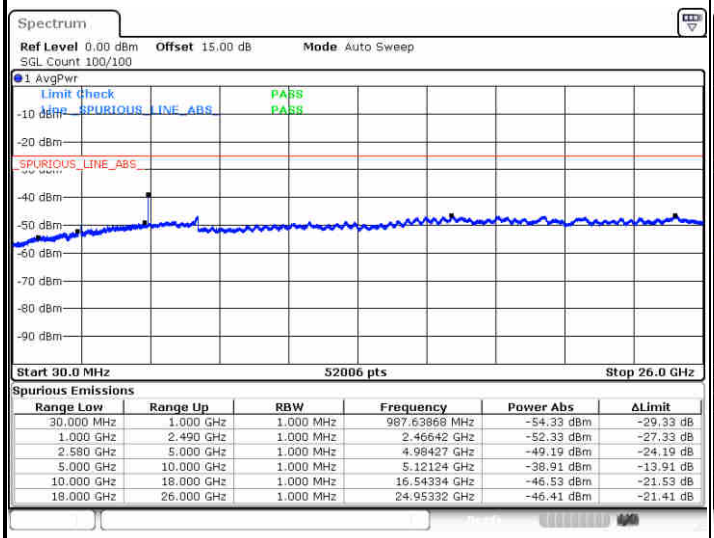



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 990.06247 MHz | -54.54 dBm | -29.54 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 1.95303 GHz | -52.41 dBm | -27.41 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.93733 GHz | -49.20 dBm | -24.20 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06124 GHz | -40.18 dBm | -15.18 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59984 GHz | -46.66 dBm | -21.66 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.94882 GHz | -46.36 dBm | -21.36 dB |

Date: 15.DEC.2019 01:30:25

### Highest Channel / QPSK

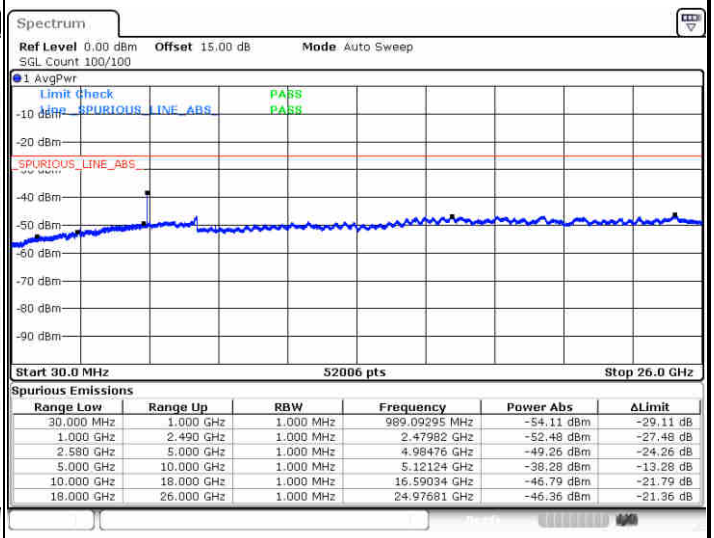



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 987.63868 MHz | -54.33 dBm | -29.33 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46642 GHz | -52.33 dBm | -27.33 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98427 GHz | -49.19 dBm | -24.19 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.12124 GHz | -38.91 dBm | -13.91 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.54334 GHz | -46.53 dBm | -21.53 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.95332 GHz | -46.41 dBm | -21.41 dB |

Date: 15.DEC.2019 01:35:56

### Highest Channel / 16QAM



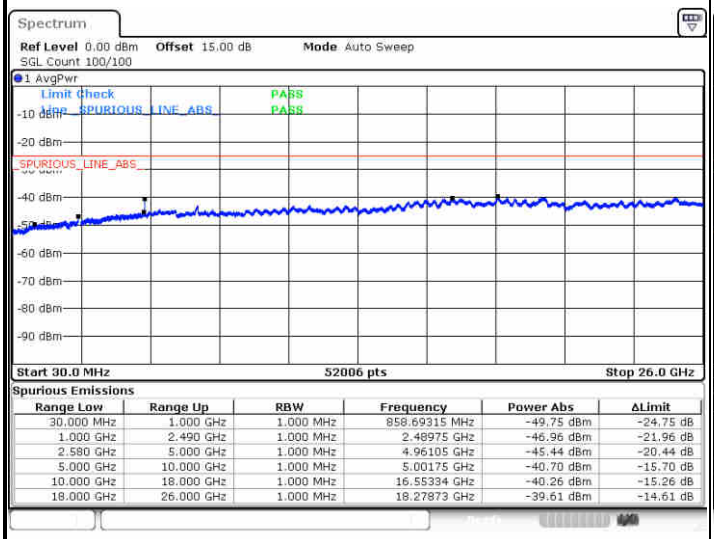

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 989.09295 MHz | -54.11 dBm | -29.11 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47982 GHz | -52.48 dBm | -27.48 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98476 GHz | -49.26 dBm | -24.26 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.12124 GHz | -38.28 dBm | -13.28 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59034 GHz | -46.79 dBm | -21.79 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.97681 GHz | -46.36 dBm | -21.36 dB |

Date: 15.DEC.2019 01:36:41

## LTE Band 7 / 15MHz

### Lowest Channel / QPSK

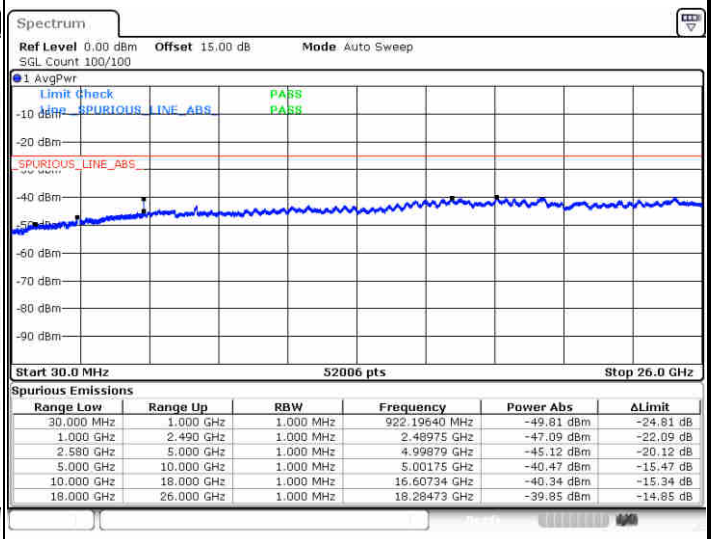



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 858.69315 MHz | -49.75 dBm | -24.75 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -46.96 dBm | -21.96 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96105 GHz | -45.44 dBm | -20.44 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00175 GHz | -40.70 dBm | -15.70 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.55334 GHz | -40.26 dBm | -15.26 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.27873 GHz | -39.61 dBm | -14.61 dB |

Date: 15.DEC.2019 01:49:38

### Lowest Channel / 16QAM

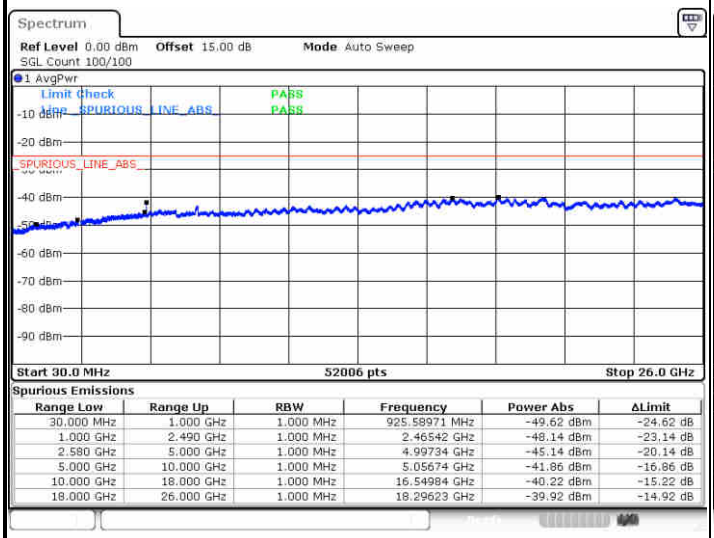



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 922.19640 MHz | -49.81 dBm | -24.81 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -47.09 dBm | -22.09 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99879 GHz | -45.12 dBm | -20.12 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00175 GHz | -40.47 dBm | -15.47 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.60734 GHz | -40.34 dBm | -15.34 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.28473 GHz | -39.85 dBm | -14.85 dB |

Date: 15.DEC.2019 01:50:23

### Middle Channel / QPSK

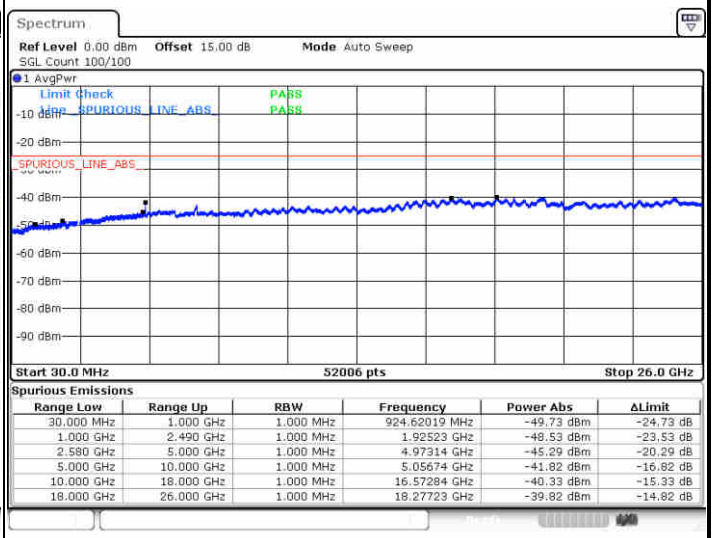



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 925.58971 MHz | -49.62 dBm | -24.62 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46542 GHz | -48.14 dBm | -23.14 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99734 GHz | -45.14 dBm | -20.14 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05674 GHz | -41.86 dBm | -16.86 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.54984 GHz | -40.22 dBm | -15.22 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.29623 GHz | -39.92 dBm | -14.92 dB |

Date: 15.DEC.2019 01:51:53

### Middle Channel / 16QAM



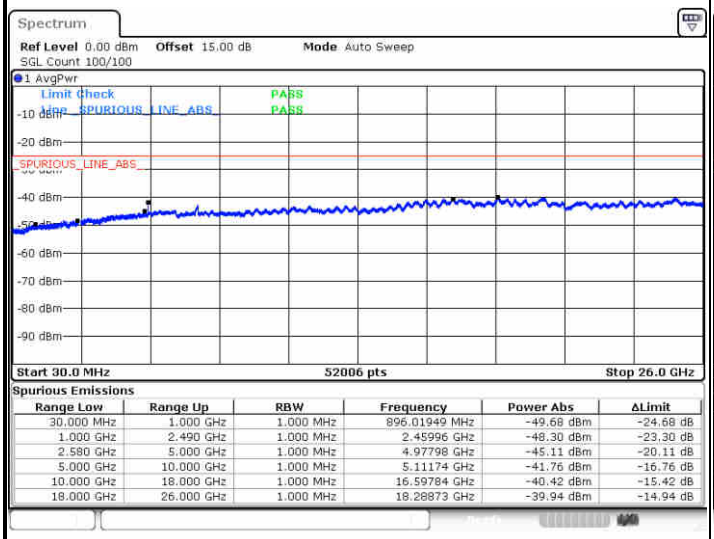

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 924.62019 MHz | -49.73 dBm | -24.73 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 1.92523 GHz | -48.53 dBm | -23.53 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97314 GHz | -45.29 dBm | -20.29 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05674 GHz | -41.82 dBm | -16.82 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.57284 GHz | -40.33 dBm | -15.33 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.27723 GHz | -39.82 dBm | -14.82 dB |

Date: 15.DEC.2019 01:52:38

## LTE Band7 / 15MHz

### Highest Channel / QPSK

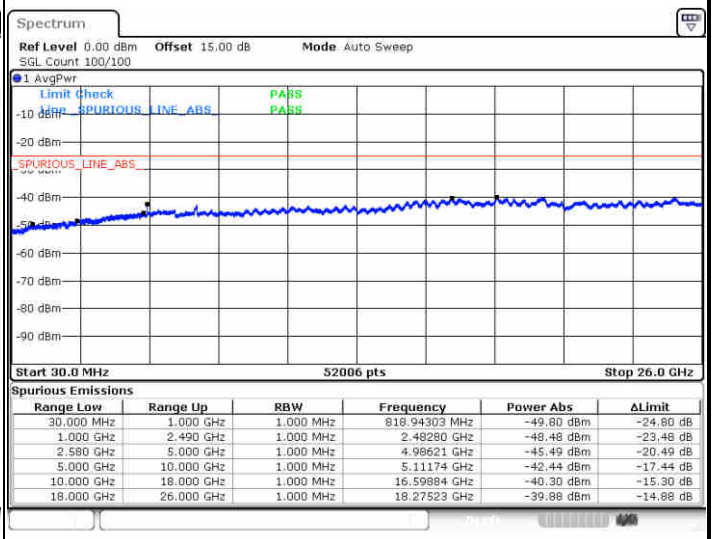



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 896.01949 MHz | -49.68 dBm | -24.68 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.45996 GHz | -48.30 dBm | -23.30 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97798 GHz | -45.11 dBm | -20.11 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.11174 GHz | -41.76 dBm | -16.76 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59784 GHz | -40.42 dBm | -15.42 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.28873 GHz | -39.94 dBm | -14.94 dB |

Date: 15.DEC.2019 01:58:10

### Highest Channel / 16QAM



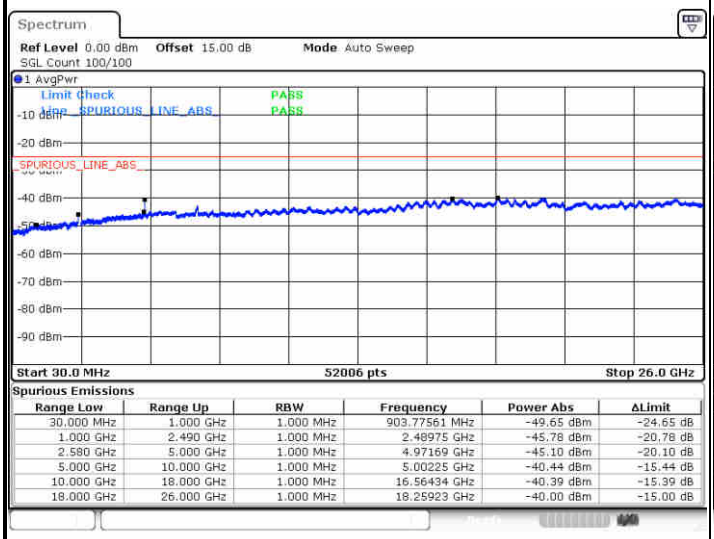

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 818.94303 MHz | -49.80 dBm | -24.80 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48280 GHz | -48.48 dBm | -23.48 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98621 GHz | -45.49 dBm | -20.49 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.11174 GHz | -42.44 dBm | -17.44 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59884 GHz | -40.30 dBm | -15.30 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.27523 GHz | -39.88 dBm | -14.88 dB |

Date: 15.DEC.2019 01:58:55

## LTE Band 7 / 20MHz

### Lowest Channel / QPSK

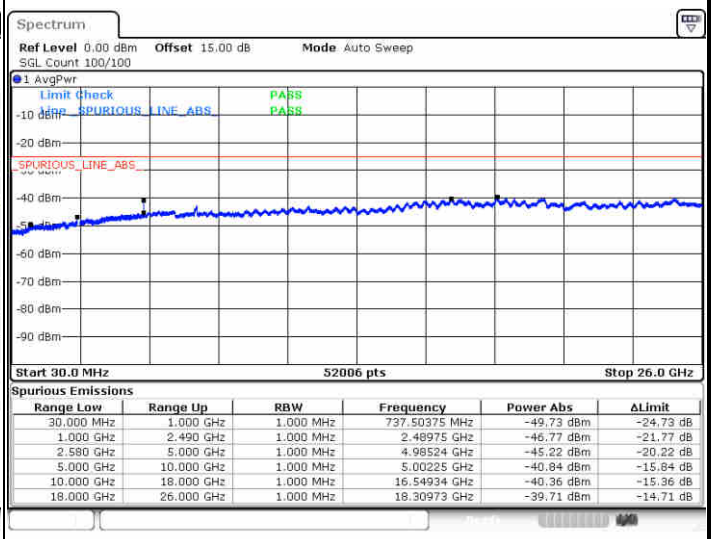



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 903.77561 MHz | -49.65 dBm | -24.65 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -45.78 dBm | -20.78 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97169 GHz | -45.10 dBm | -20.10 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00225 GHz | -40.44 dBm | -15.44 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.56434 GHz | -40.39 dBm | -15.39 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.25923 GHz | -40.00 dBm | -15.00 dB |

Date: 15.DEC.2019 02:11:53

### Lowest Channel / 16QAM



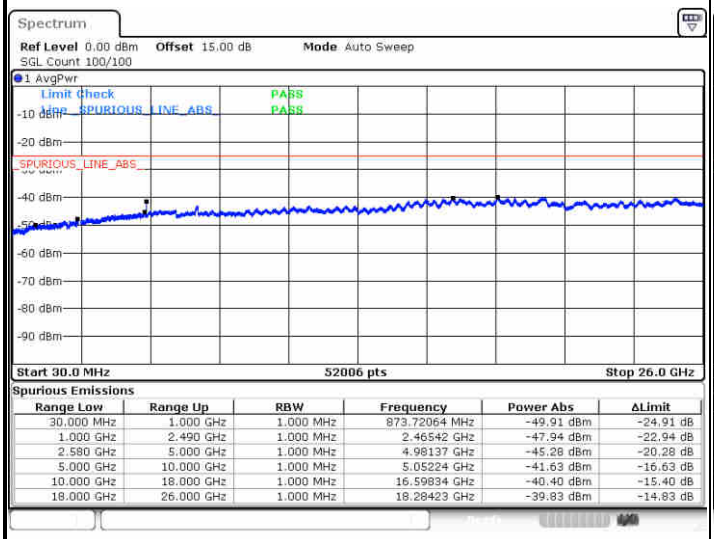

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 737.50375 MHz | -49.73 dBm | -24.73 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -46.77 dBm | -21.77 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98524 GHz | -45.22 dBm | -20.22 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00225 GHz | -40.84 dBm | -15.84 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.54934 GHz | -40.36 dBm | -15.36 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.30973 GHz | -39.71 dBm | -14.71 dB |

Date: 15.DEC.2019 02:12:38

## LTE Band 7 / 20MHz

### Middle Channel / QPSK

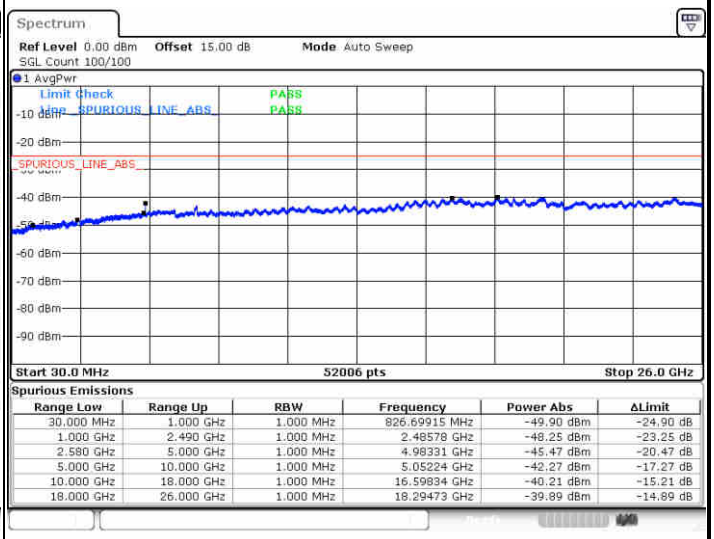



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 873.72064 MHz | -49.91 dBm | -24.91 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46542 GHz | -47.94 dBm | -22.94 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98137 GHz | -45.28 dBm | -20.28 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05224 GHz | -41.63 dBm | -16.63 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59834 GHz | -40.40 dBm | -15.40 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.28423 GHz | -39.83 dBm | -14.83 dB |

Date: 15.DEC.2019 02:14:08

### Middle Channel / 16QAM

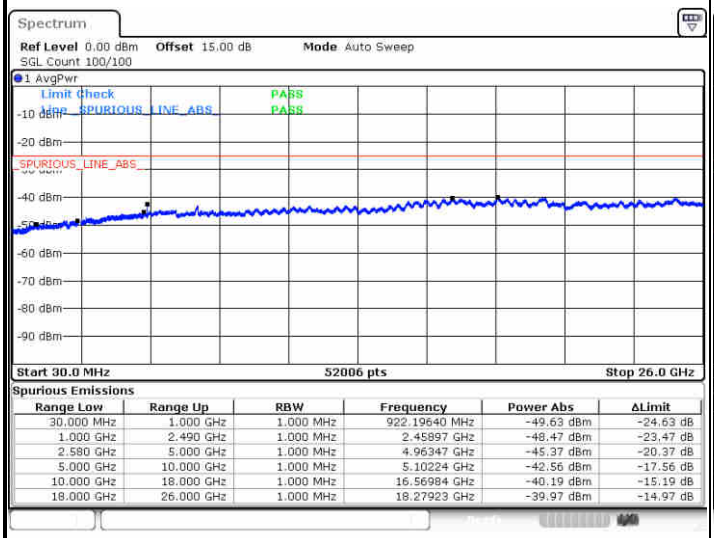



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 826.69915 MHz | -49.90 dBm | -24.90 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48578 GHz | -48.25 dBm | -23.25 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98331 GHz | -45.47 dBm | -20.47 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05224 GHz | -42.27 dBm | -17.27 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59834 GHz | -40.21 dBm | -15.21 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.29473 GHz | -39.89 dBm | -14.89 dB |

Date: 15.DEC.2019 02:14:53

### Highest Channel / QPSK

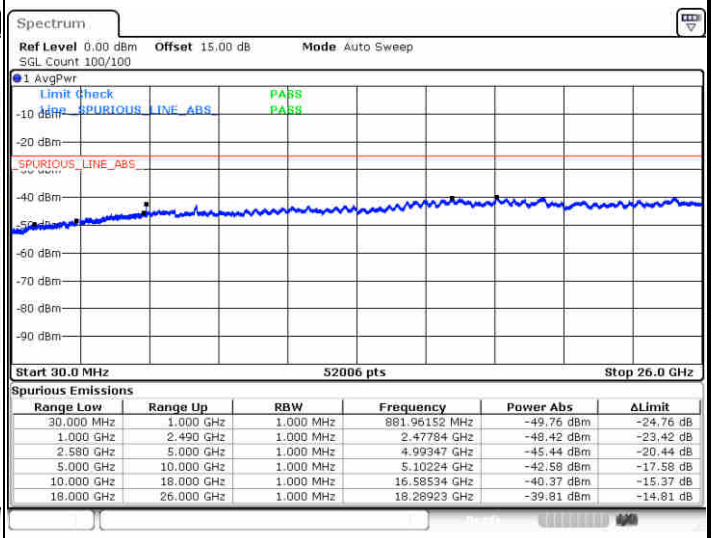



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 922.19640 MHz | -49.63 dBm | -24.63 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.45897 GHz | -48.47 dBm | -23.47 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96347 GHz | -45.37 dBm | -20.37 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.10224 GHz | -42.56 dBm | -17.56 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.56984 GHz | -40.19 dBm | -15.19 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.27923 GHz | -39.97 dBm | -14.97 dB |

Date: 15.DEC.2019 02:20:25

### Highest Channel / 16QAM



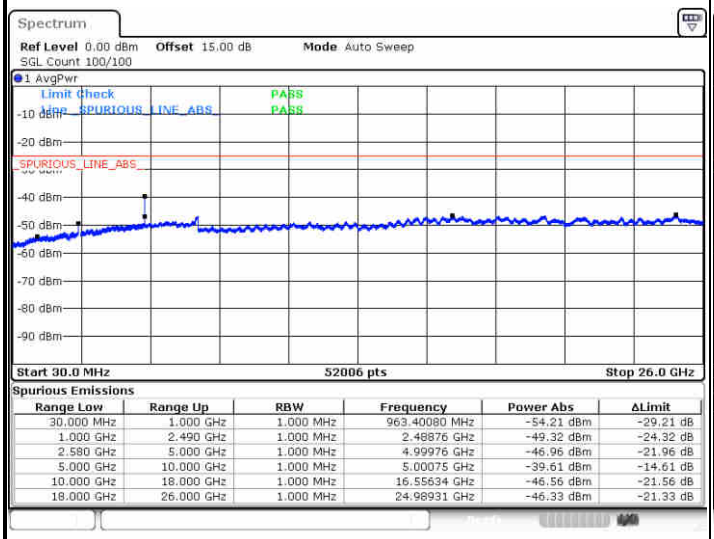

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 881.96152 MHz | -49.76 dBm | -24.76 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47784 GHz | -48.42 dBm | -23.42 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99347 GHz | -45.44 dBm | -20.44 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.10224 GHz | -42.58 dBm | -17.58 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.58534 GHz | -40.37 dBm | -15.37 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.28923 GHz | -39.81 dBm | -14.81 dB |

Date: 15.DEC.2019 02:21:10

## LTE Band 7 / 5MHz

### Lowest Channel / 64QAM

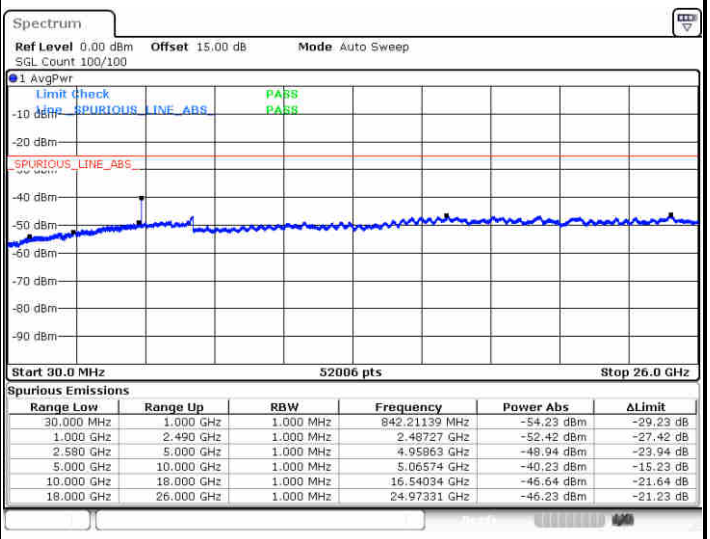



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 963.40080 MHz | -54.21 dBm | -29.21 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48876 GHz | -49.32 dBm | -24.32 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99976 GHz | -46.96 dBm | -21.96 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00075 GHz | -39.61 dBm | -14.61 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.55634 GHz | -46.56 dBm | -21.56 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.98931 GHz | -46.33 dBm | -21.33 dB |

Date: 15.DEC.2019 01:17:38

### Middle Channel / 64QAM

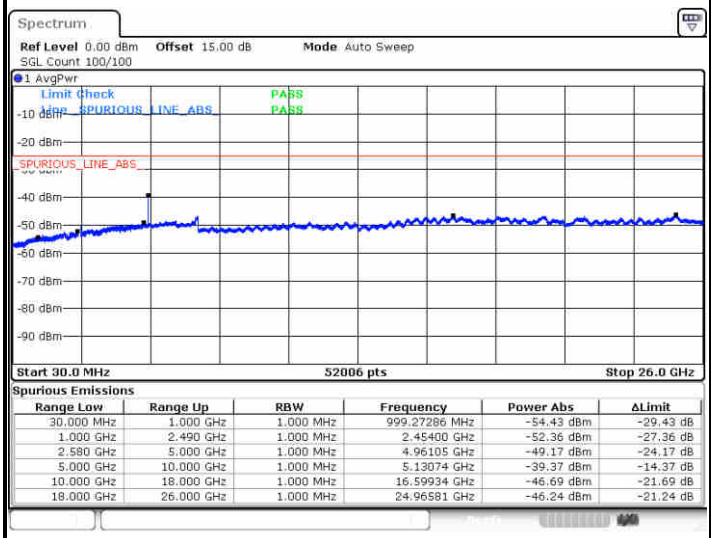



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 842.21139 MHz | -54.23 dBm | -29.23 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48727 GHz | -52.42 dBm | -27.42 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.95863 GHz | -48.94 dBm | -23.94 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06574 GHz | -40.23 dBm | -15.23 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.54034 GHz | -46.64 dBm | -21.64 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.97331 GHz | -46.23 dBm | -21.23 dB |

Date: 15.DEC.2019 01:18:45

### Highest Channel / 64QAM



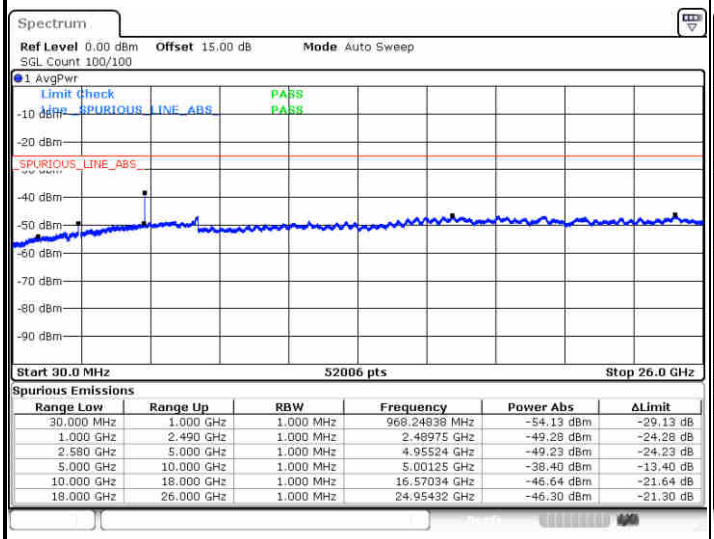

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 999.27286 MHz | -54.43 dBm | -29.43 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.45400 GHz | -52.36 dBm | -27.36 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96105 GHz | -49.17 dBm | -24.17 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.13074 GHz | -39.37 dBm | -14.37 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59934 GHz | -46.69 dBm | -21.69 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.96581 GHz | -46.24 dBm | -21.24 dB |

Date: 15.DEC.2019 01:21:54

## LTE Band 7 / 10MHz

### Lowest Channel / 64QAM

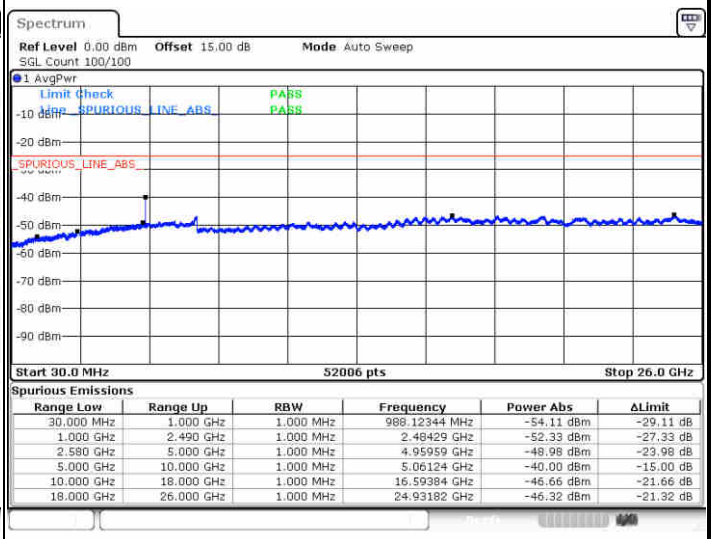



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 968.24838 MHz | -54.13 dBm | -29.13 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -49.28 dBm | -24.28 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.95524 GHz | -49.23 dBm | -24.23 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00125 GHz | -38.40 dBm | -13.40 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.57034 GHz | -46.64 dBm | -21.64 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.95432 GHz | -46.30 dBm | -21.30 dB |

Date: 15.DEC.2019 01:39:50

### Middle Channel / 64QAM

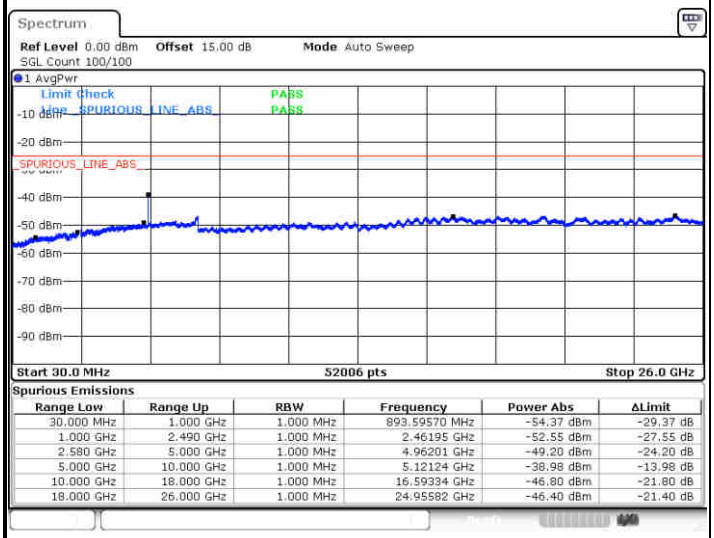



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 988.12344 MHz | -54.11 dBm | -29.11 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48429 GHz | -52.33 dBm | -27.33 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.95959 GHz | -48.98 dBm | -23.98 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06124 GHz | -40.00 dBm | -15.00 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59384 GHz | -46.66 dBm | -21.66 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.93182 GHz | -46.32 dBm | -21.32 dB |

Date: 15.DEC.2019 01:40:57

### Highest Channel / 64QAM



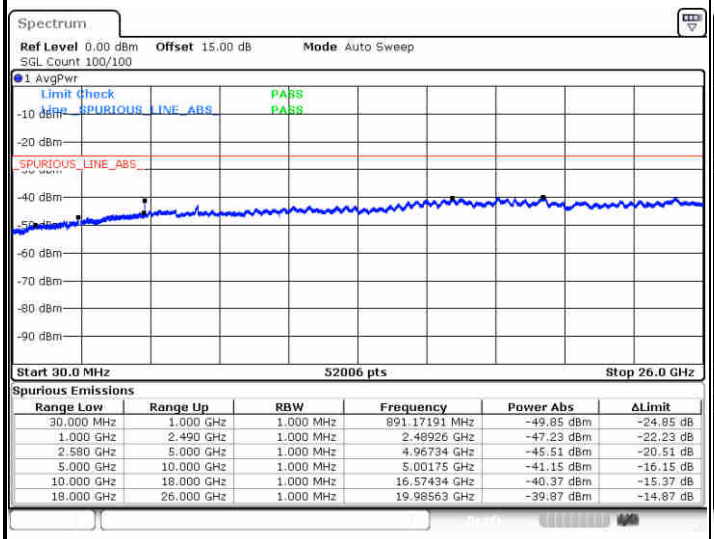

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 893.59570 MHz | -54.37 dBm | -29.37 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46195 GHz | -52.55 dBm | -27.55 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96201 GHz | -49.20 dBm | -24.20 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.12124 GHz | -38.98 dBm | -13.98 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59334 GHz | -46.80 dBm | -21.80 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 24.95582 GHz | -46.40 dBm | -21.40 dB |

Date: 15.DEC.2019 01:44:05

## LTE Band 7 / 15MHz

### Lowest Channel / 64QAM

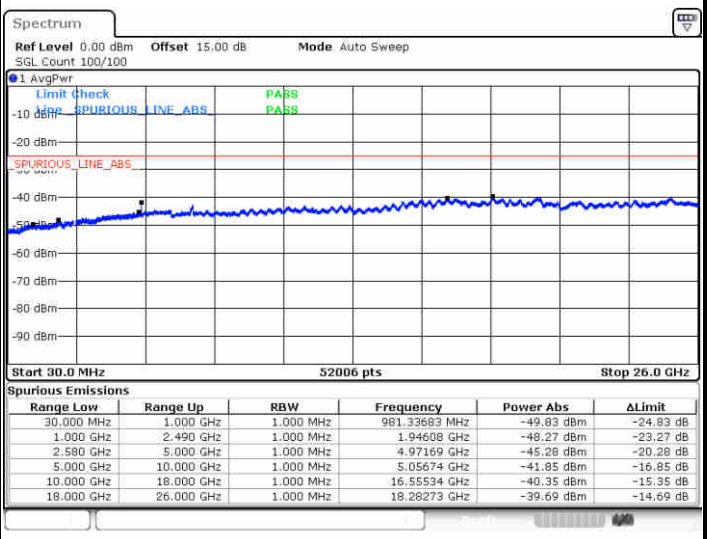



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 891.17191 MHz | -49.85 dBm | -24.85 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48926 GHz | -47.23 dBm | -22.23 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96734 GHz | -45.51 dBm | -20.51 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00175 GHz | -41.15 dBm | -16.15 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.57434 GHz | -40.37 dBm | -15.37 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.98563 GHz | -39.87 dBm | -14.87 dB |

Date: 15.DEC.2019 02:02:03

### Middle Channel / 64QAM

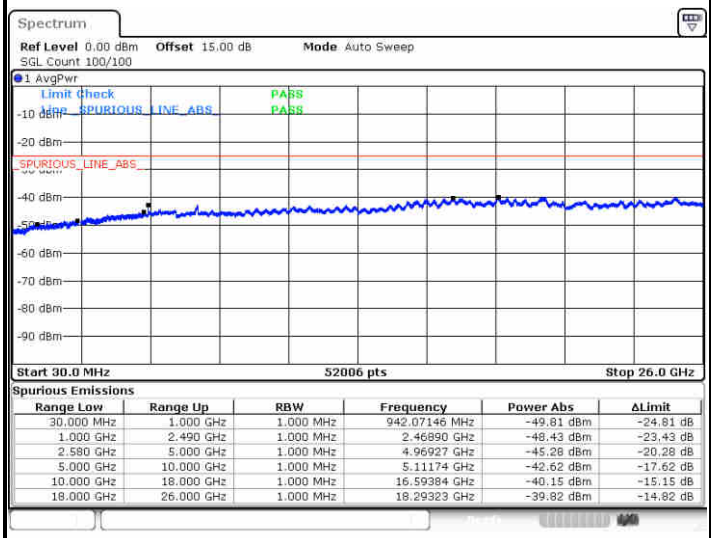



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 981.33683 MHz | -49.83 dBm | -24.83 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 1.94608 GHz | -48.27 dBm | -23.27 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97169 GHz | -45.28 dBm | -20.28 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05674 GHz | -41.85 dBm | -16.85 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.55534 GHz | -40.35 dBm | -15.35 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.28273 GHz | -39.69 dBm | -14.69 dB |

Date: 15.DEC.2019 02:03:11

### Highest Channel / 64QAM



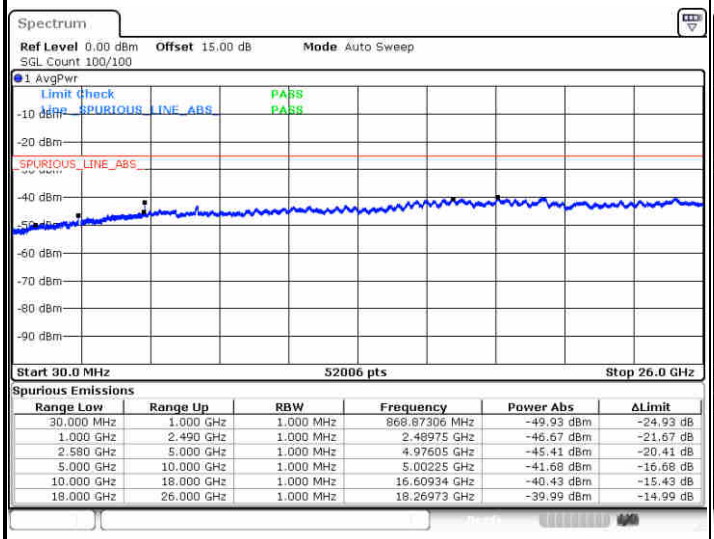

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 942.07146 MHz | -49.81 dBm | -24.81 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46890 GHz | -48.43 dBm | -23.43 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96927 GHz | -45.28 dBm | -20.28 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.11174 GHz | -42.62 dBm | -17.62 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.59384 GHz | -40.15 dBm | -15.15 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.29323 GHz | -39.82 dBm | -14.82 dB |

Date: 15.DEC.2019 02:06:20

## LTE Band 7 / 20MHz

### Lowest Channel / 64QAM

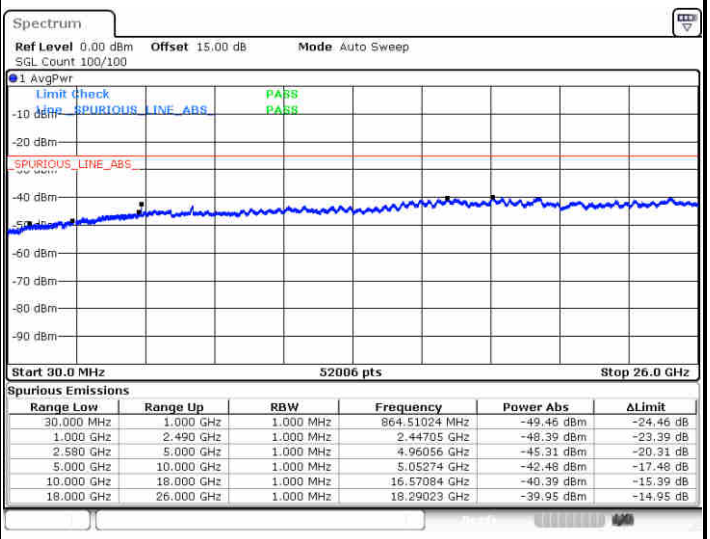



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 868.87306 MHz | -49.93 dBm | -24.93 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -46.67 dBm | -21.67 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97605 GHz | -45.41 dBm | -20.41 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00225 GHz | -41.68 dBm | -16.68 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.60934 GHz | -40.43 dBm | -15.43 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.26973 GHz | -39.99 dBm | -14.99 dB |

Date: 15.DEC.2019 02:24:18

### Middle Channel / 64QAM

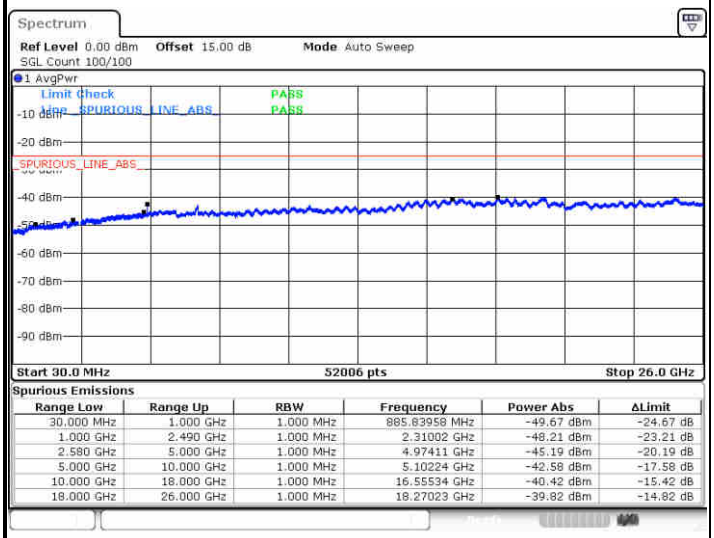



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 864.51024 MHz | -49.46 dBm | -24.46 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.44705 GHz | -48.39 dBm | -23.39 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.96056 GHz | -45.31 dBm | -20.31 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05274 GHz | -42.48 dBm | -17.48 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.57084 GHz | -40.39 dBm | -15.39 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.29023 GHz | -39.95 dBm | -14.95 dB |

Date: 15.DEC.2019 02:25:26

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 885.83958 MHz | -49.67 dBm | -24.67 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.31002 GHz | -48.21 dBm | -23.21 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.97411 GHz | -45.19 dBm | -20.19 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.10224 GHz | -42.58 dBm | -17.58 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 16.55534 GHz | -40.42 dBm | -15.42 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.27023 GHz | -39.82 dBm | -14.82 dB |

Date: 15.DEC.2019 02:33:21

# Frequency Stability

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0078 | PASS |
| 40 | Normal Voltage | 0.0039 | |
| 30 | Normal Voltage | 0.0037 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0048 | |
| 0 | Normal Voltage | 0.0000 | |
| -10 | Normal Voltage | 0.0080 | |
| -20 | Normal Voltage | 0.0061 | |
| -30 | Normal Voltage | 0.0027 | |
| 20 | Maximum Voltage | 0.0039 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0013 | |

**Note:**

1. Normal Voltage =3.87 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

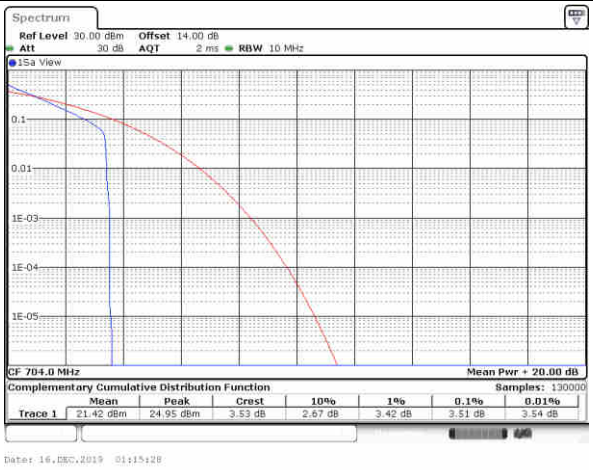
# LTE Band 12

## Peak-to-Average Ratio

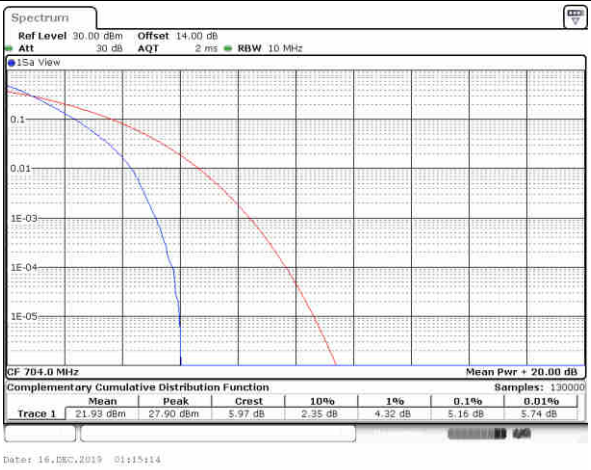
| Mode | LTE Band 12 / 10MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.51 | 5.16 | 5.39 | 5.91 | PASS |
| Middle CH | 3.48 | 4.93 | 5.16 | 5.83 | |
| Highest CH | 3.80 | 5.01 | 5.30 | 5.86 | |
| Mode | LTE Band 12 / 10MHz | | | | |
| Mod. | 64QAM | | - | | Limit: 13dB |
| RB Size | 1RB | Full RB | - | - | Result |
| Lowest CH | 5.39 | 6.00 | - | - | PASS |
| Middle CH | 5.22 | 5.88 | - | - | |
| Highest CH | 5.51 | 5.91 | - | - | |

## LTE Band 12 / 10MHz / QPSK

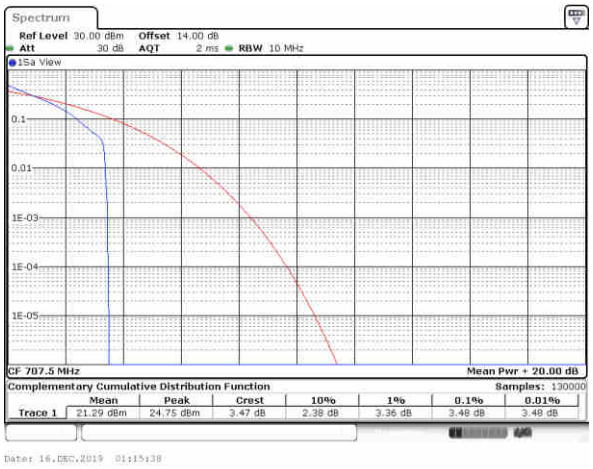
### Lowest Channel / 1RB



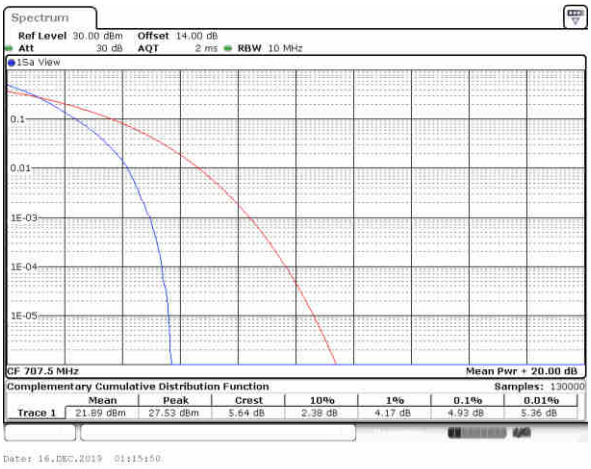

### Lowest Channel / Full RB



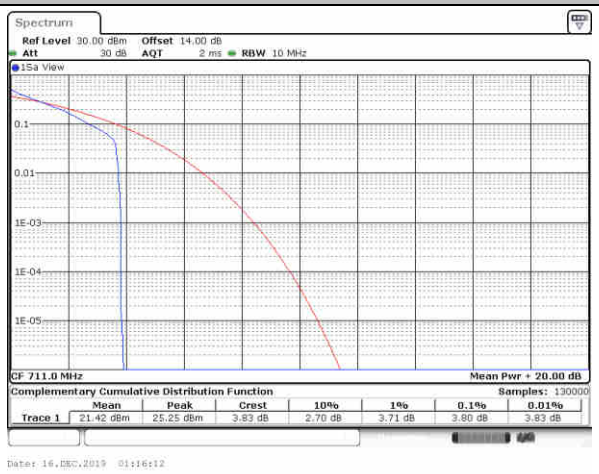

### Middle Channel / 1RB



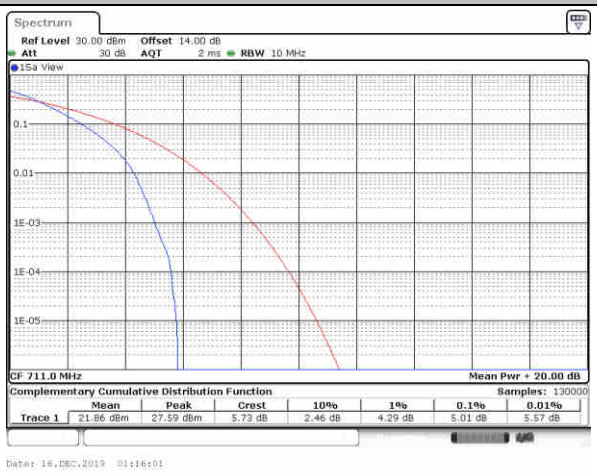

### Middle Channel / Full RB




### Highest Channel / 1RB

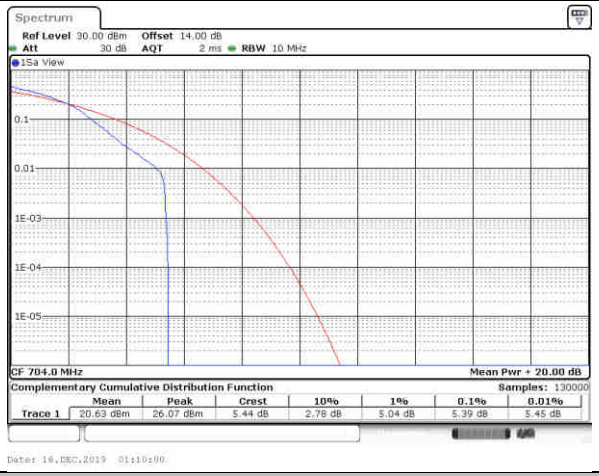



### Highest Channel / Full RB

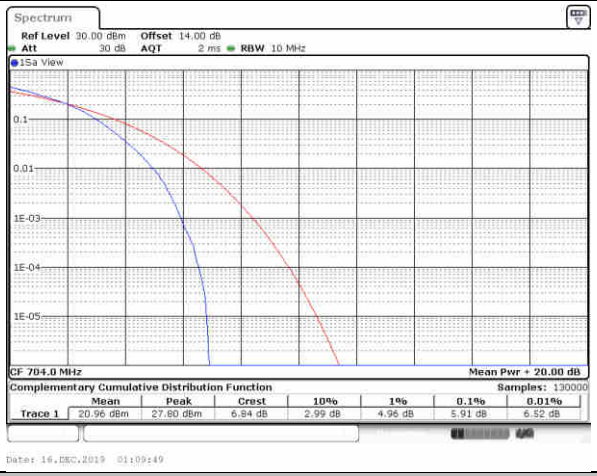


## LTE Band 12 / 10MHz / 16QAM

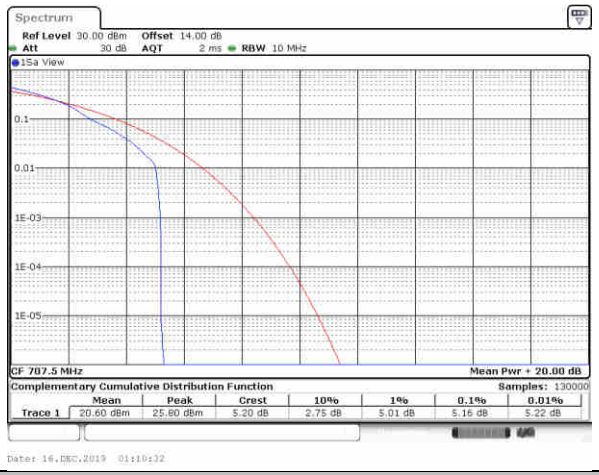
### Lowest Channel / 1RB



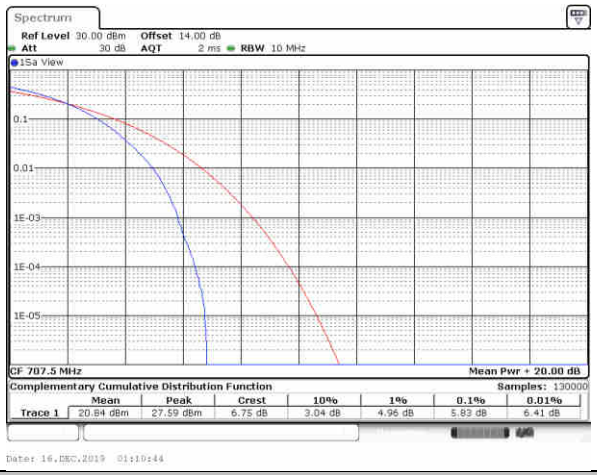

### Lowest Channel / Full RB



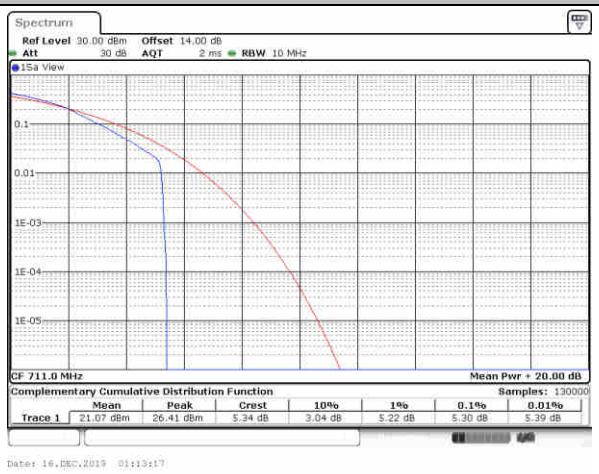

### Middle Channel / 1RB



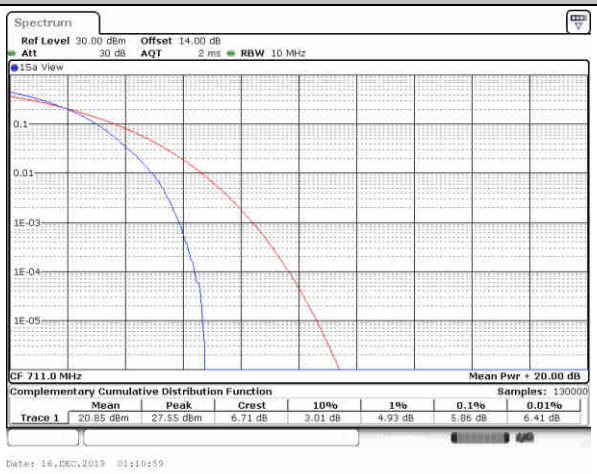

### Middle Channel / Full RB




### Highest Channel / 1RB

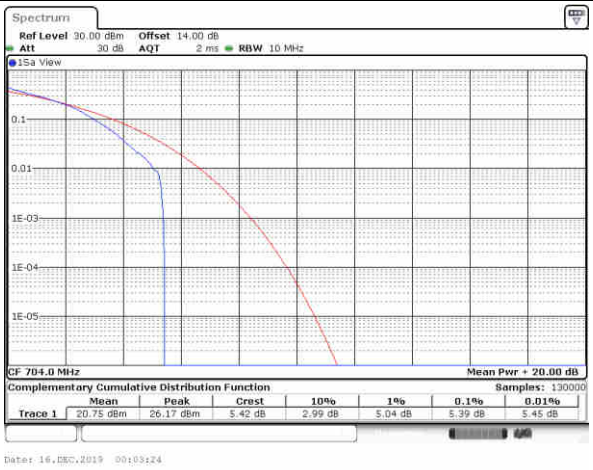



### Highest Channel / Full RB

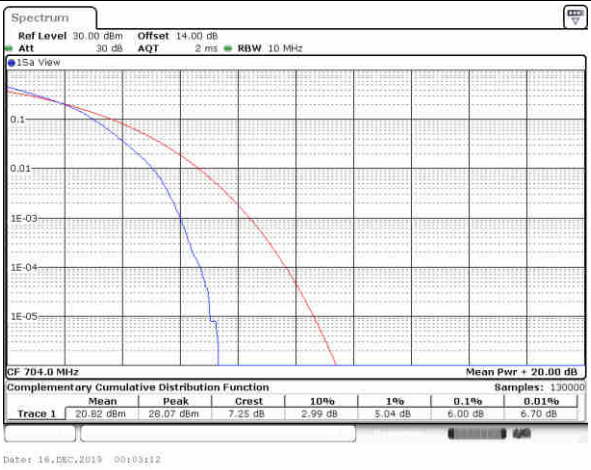


## LTE Band 12 / 10MHz / 64QAM

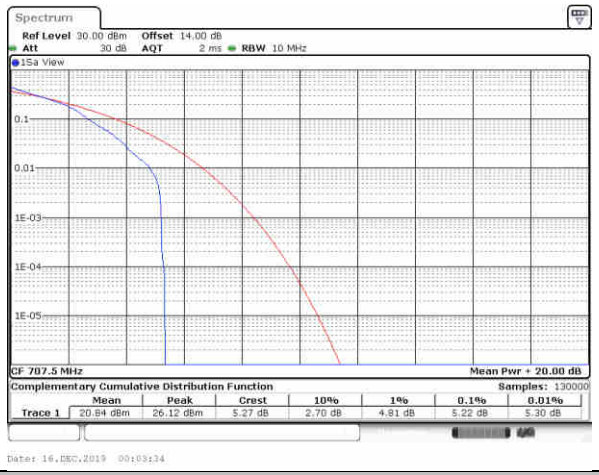
### Lowest Channel / 1RB



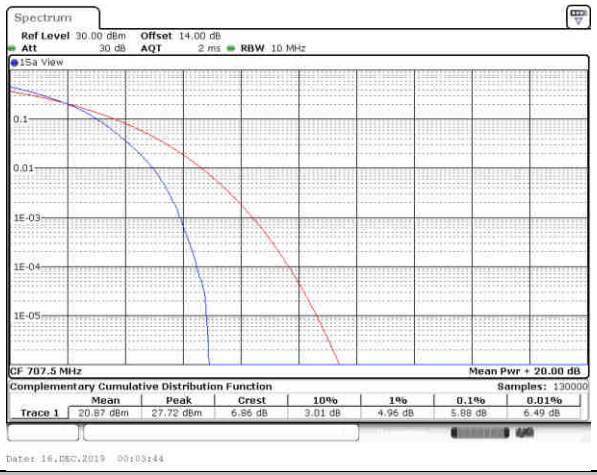

### Lowest Channel / Full RB



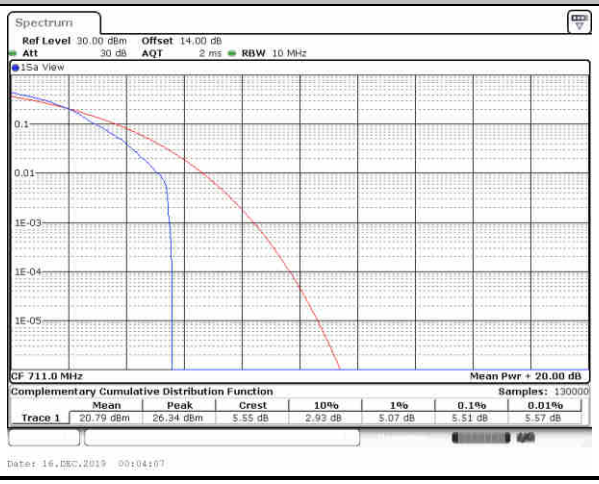

### Middle Channel / 1RB



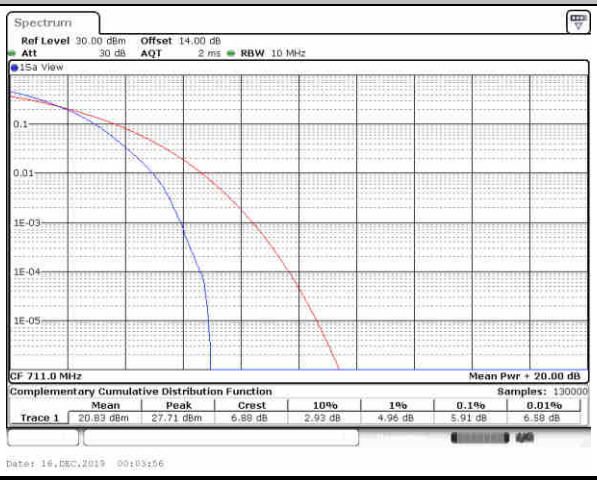

### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB



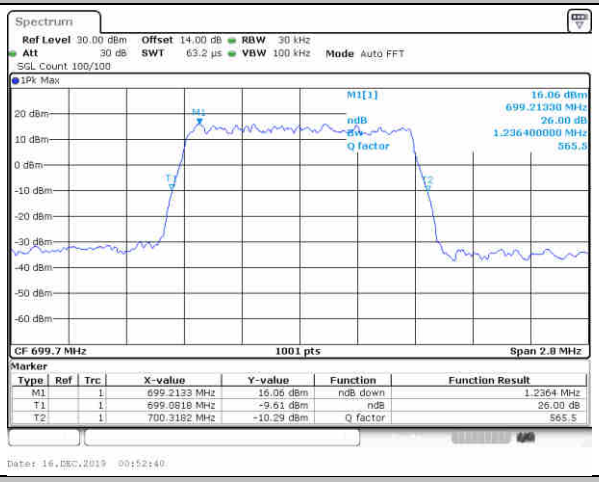
# 26dB Bandwidth

| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.24 | 1.24 | 3.03 | 3.01 | 4.96 | 4.82 | 9.75 | 9.61 |
| Middle CH | 1.23 | 1.22 | 3.02 | 2.99 | 4.98 | 4.85 | 9.85 | 9.73 |
| Highest CH | 1.23 | 1.23 | 3.00 | 2.98 | 4.91 | 4.92 | 9.79 | 9.67 |

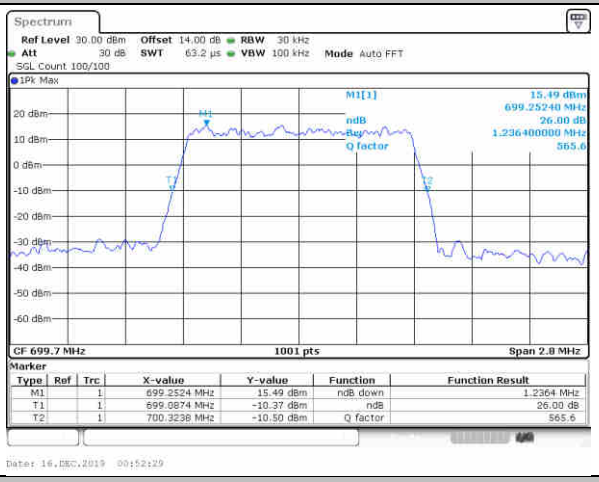
| Mode | LTE Band 12 : 26dB BW(MHz) | | | |
|---|---|---|---|---|
| BW | 1.4MHz | 3MHz | 5MHz | 10MHz |
| Mod. | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 1.23 | 3.03 | 4.92 | 9.77 |
| Middle CH | 1.22 | 3.02 | 4.93 | 9.75 |
| Highest CH | 1.23 | 3.02 | 4.88 | 9.75 |

## LTE Band 12

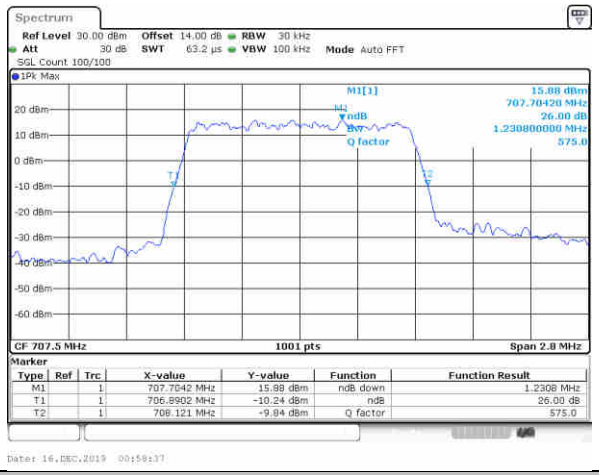
### Lowest Channel / 1.4MHz / QPSK



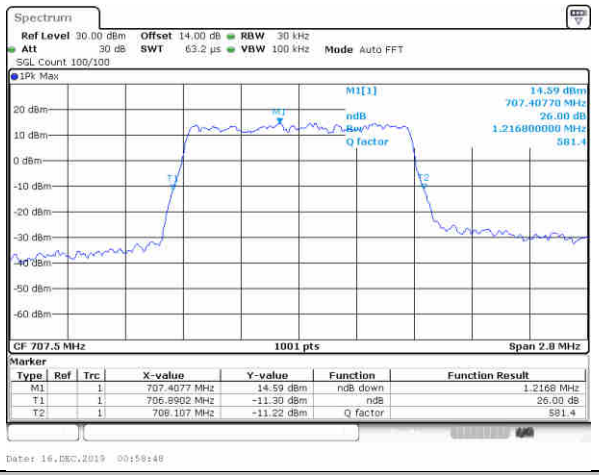

### Lowest Channel / 1.4MHz / 16QAM



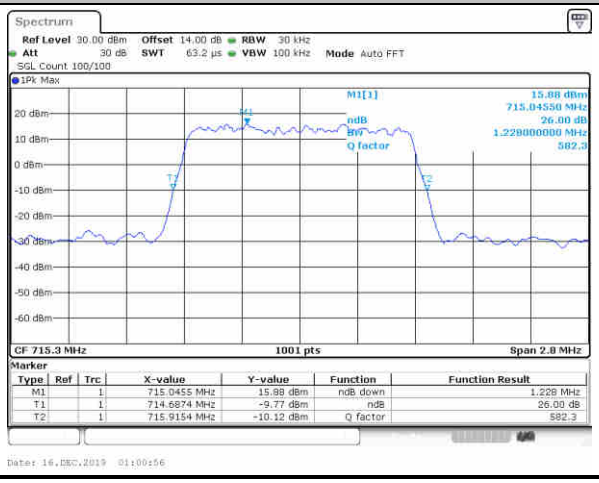

### Middle Channel / 1.4MHz / QPSK



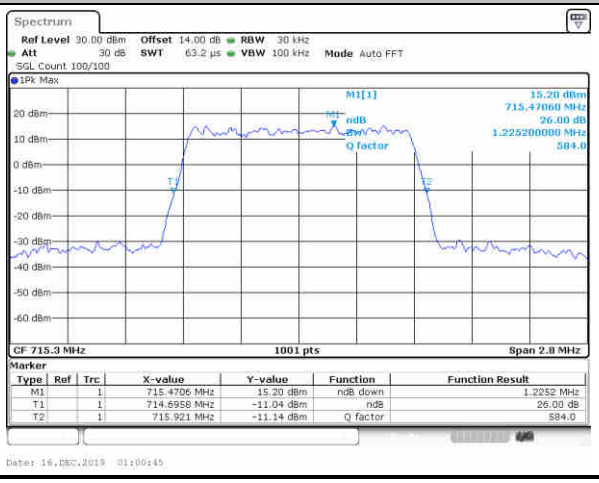

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

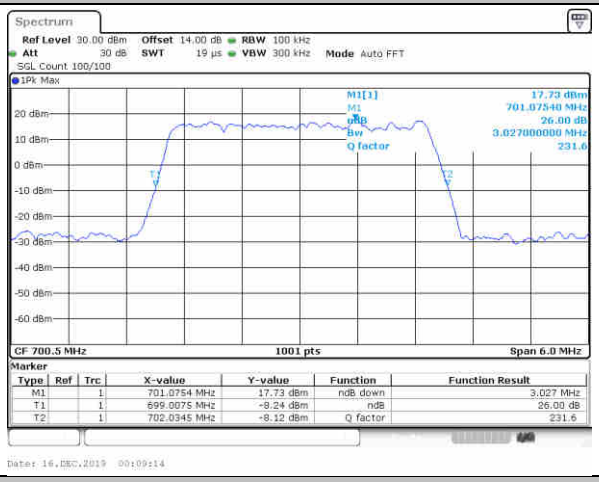



### Highest Channel / 1.4MHz / 16QAM

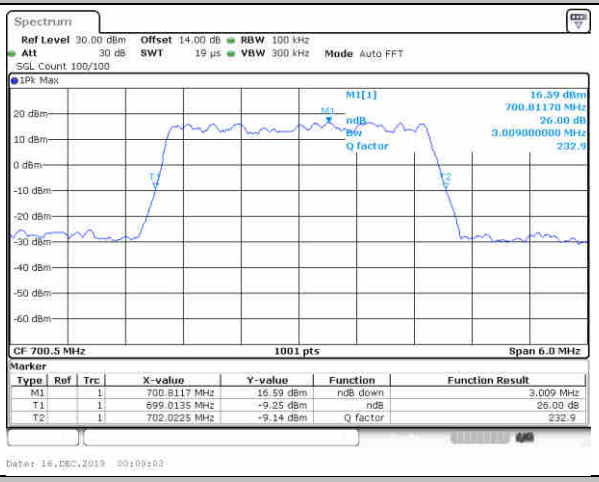


## LTE Band 12

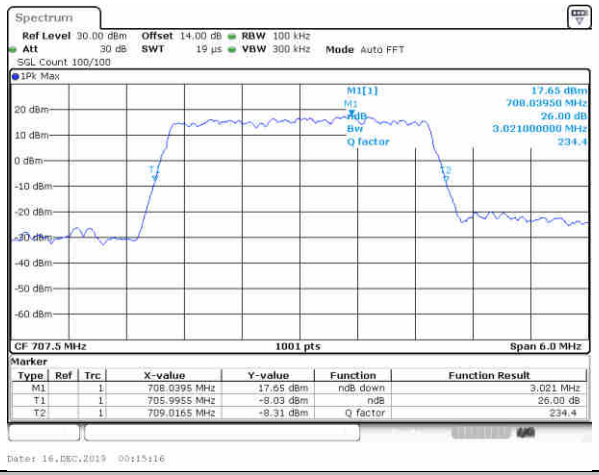
### Lowest Channel / 3MHz / QPSK



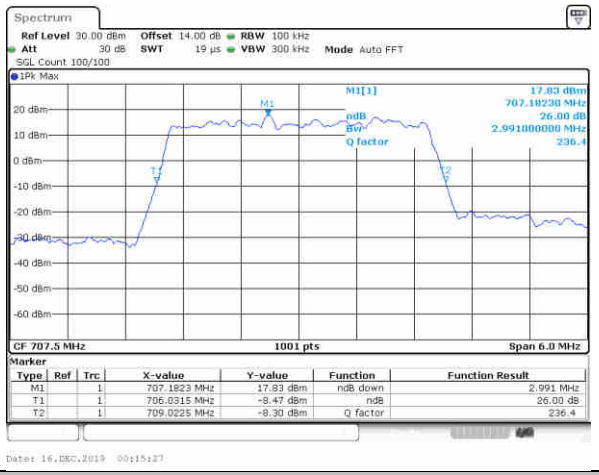

### Lowest Channel / 3MHz / 16QAM



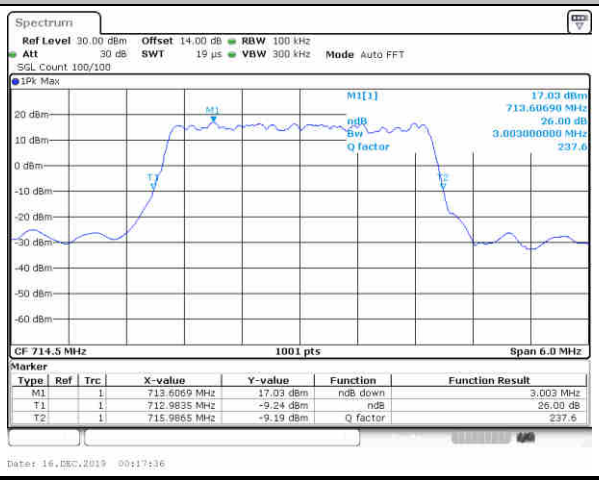

### Middle Channel / 3MHz / QPSK



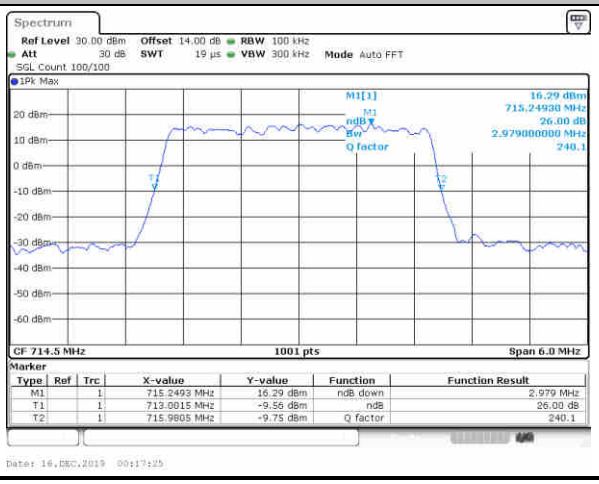

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

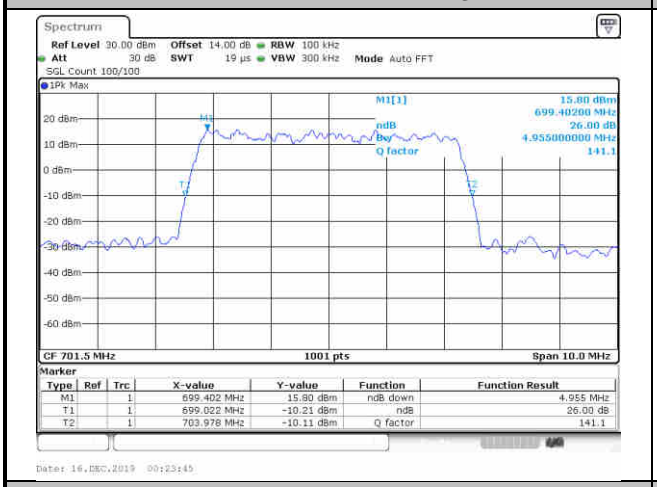



### Highest Channel / 3MHz / 16QAM

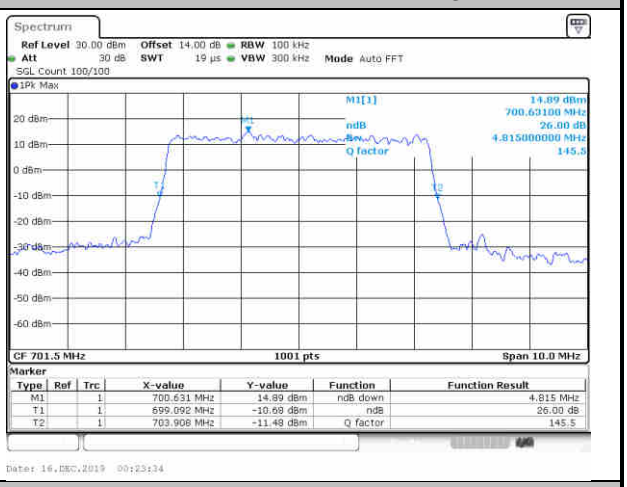


## LTE Band 12

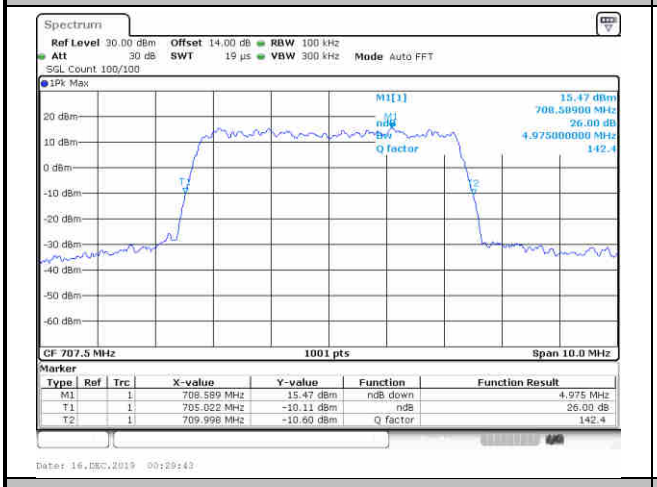
### Lowest Channel / 5MHz / QPSK



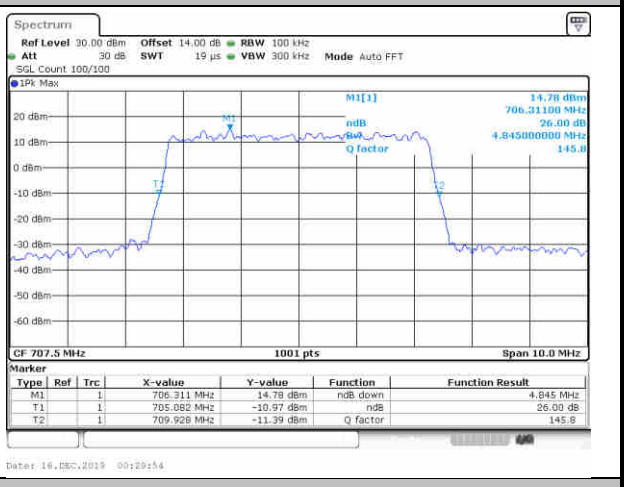

### Lowest Channel / 5MHz / 16QAM



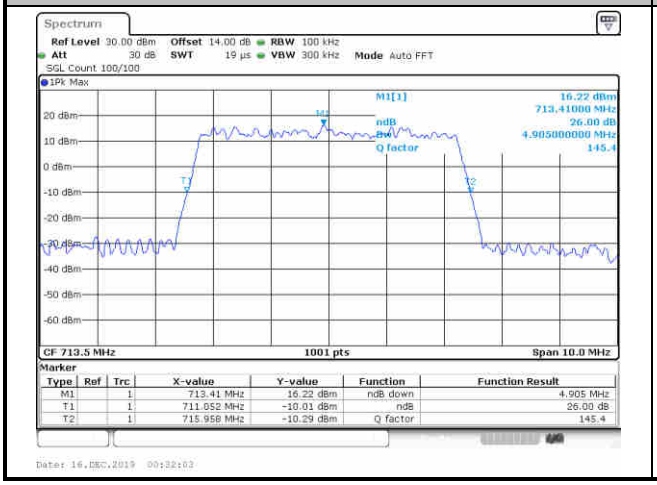

### Middle Channel / 5MHz / QPSK



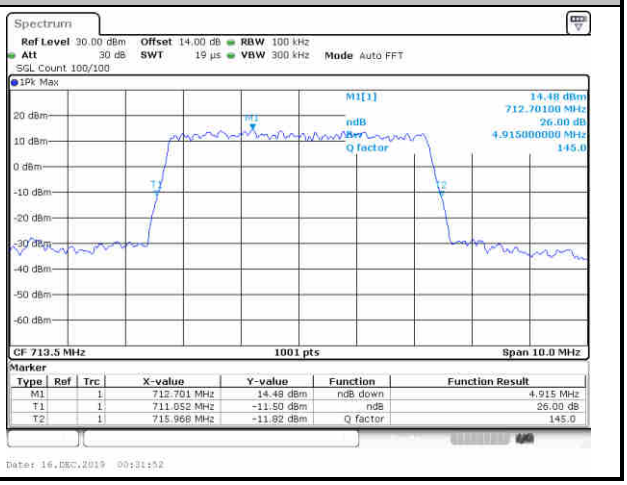

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

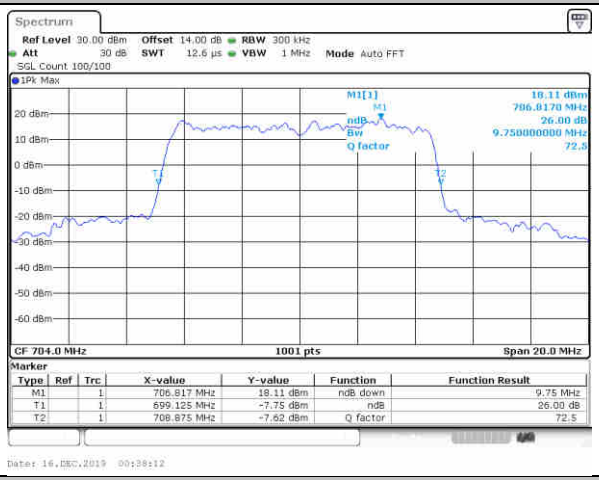



### Highest Channel / 5MHz / 16QAM

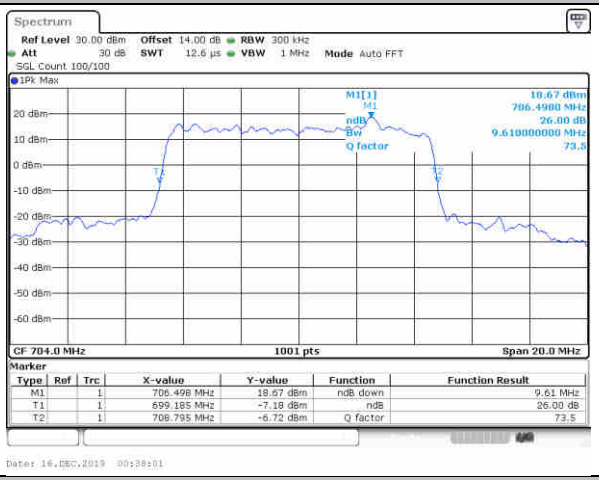


## LTE Band 12

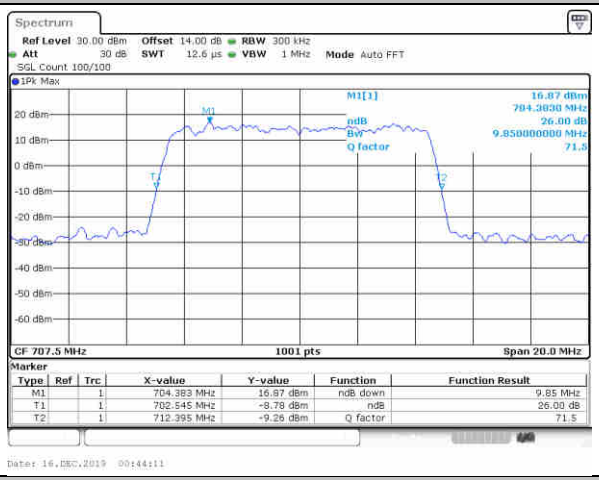
### Lowest Channel / 10MHz / QPSK



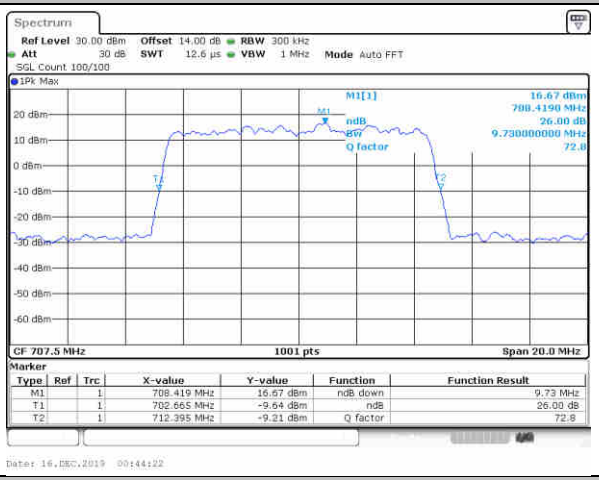

### Lowest Channel / 10MHz / 16QAM



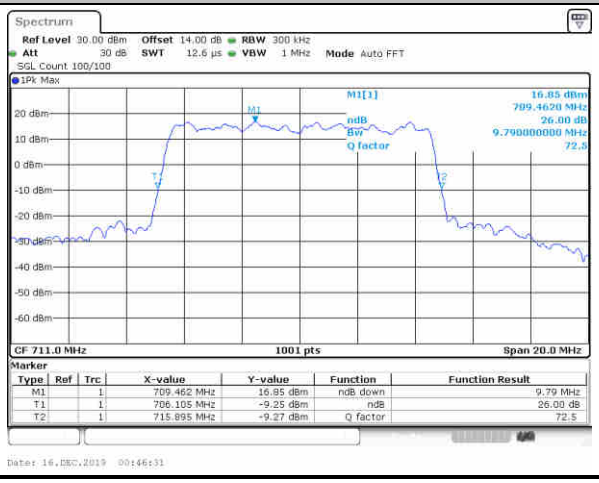

### Middle Channel / 10MHz / QPSK



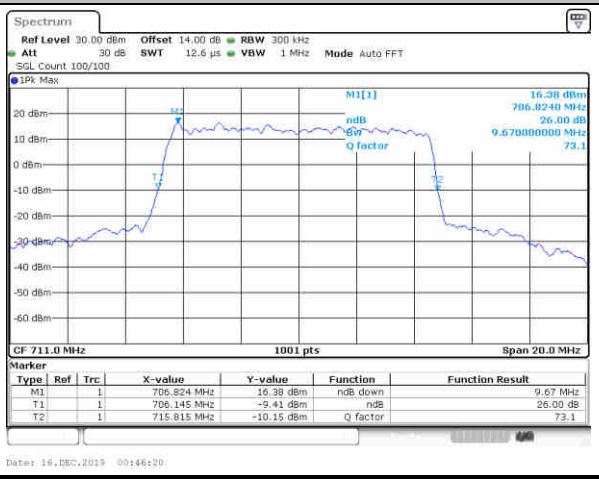

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

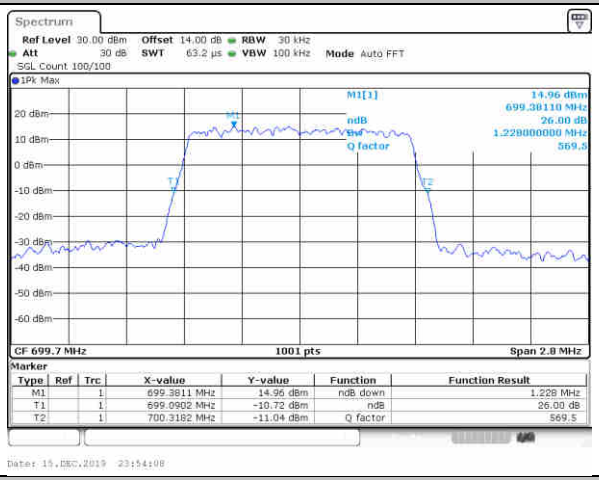



### Highest Channel / 10MHz / 16QAM

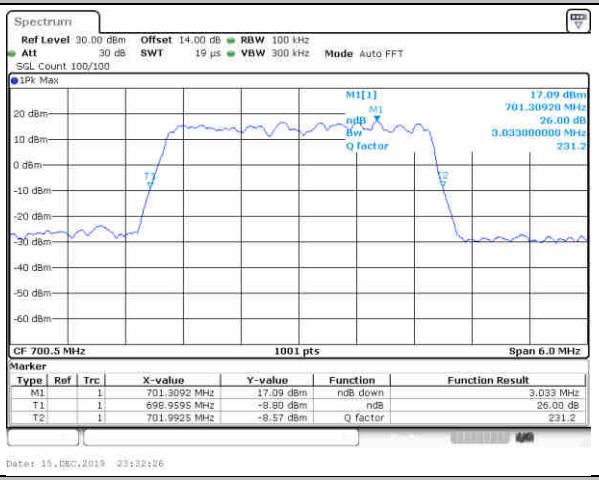


## LTE Band 12

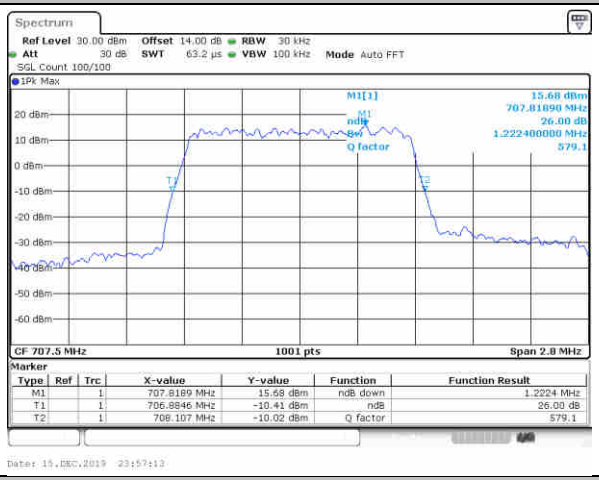
### Lowest Channel / 1.4MHz / 64QAM



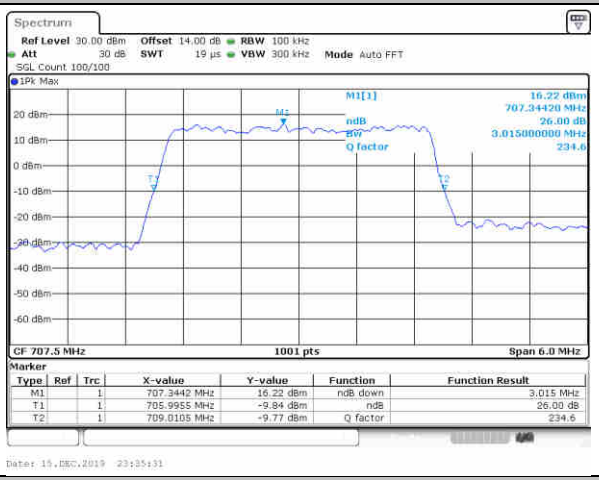

### Lowest Channel / 3MHz / 64QAM



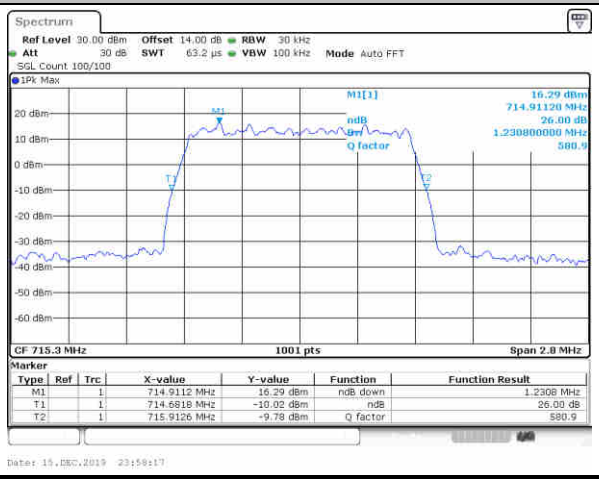

### Middle Channel / 1.4MHz / 64QAM



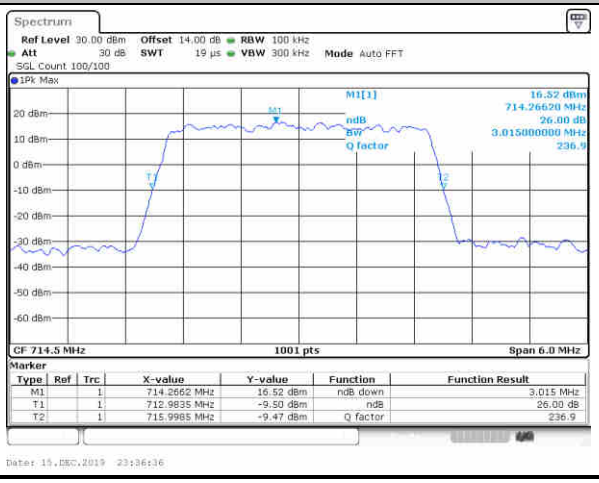

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 1.4MHz / 64QAM

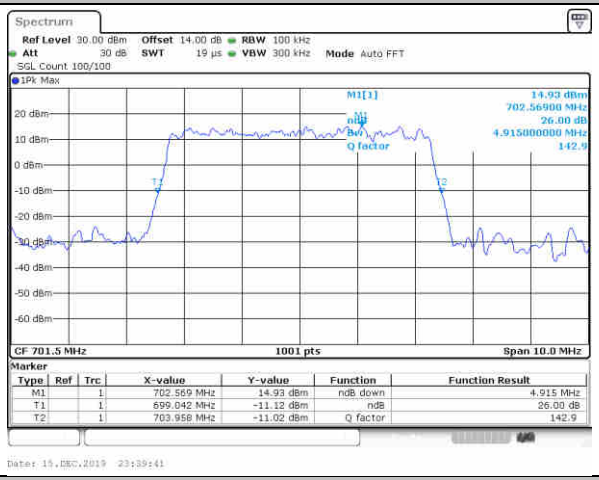



### Highest Channel / 3MHz / 64QAM

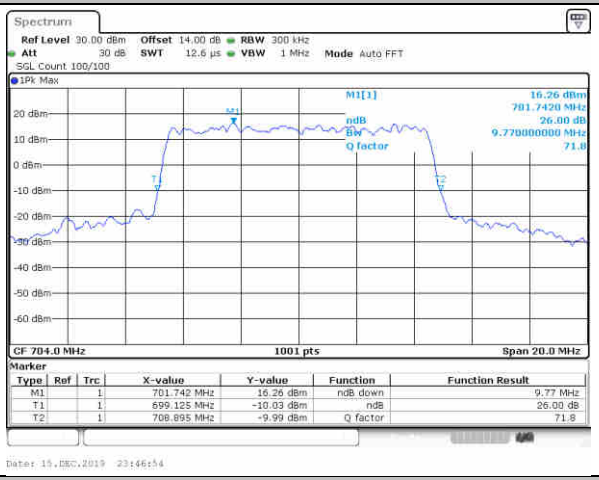


## LTE Band 12

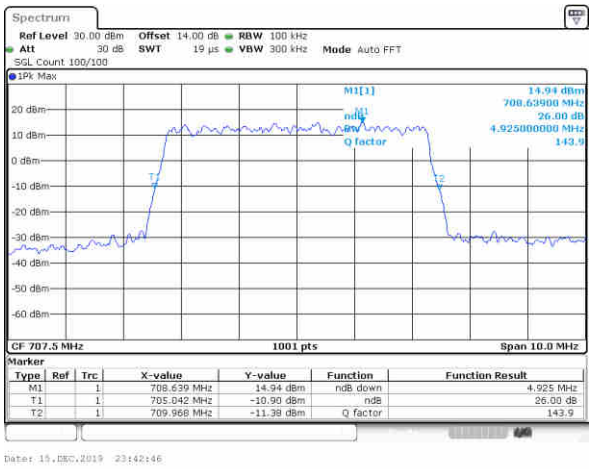
### Lowest Channel / 5MHz / 64QAM



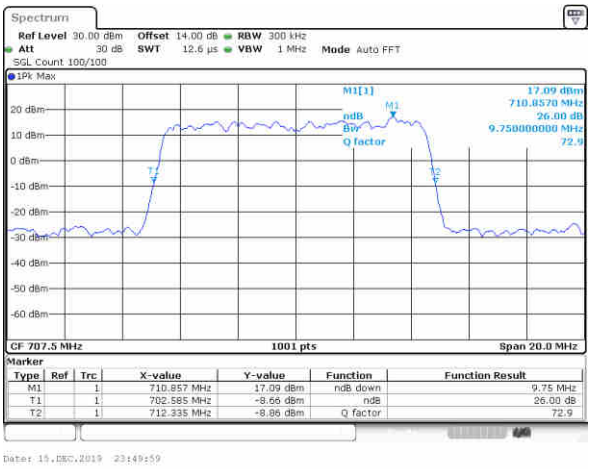

### Lowest Channel / 10MHz / 64QAM



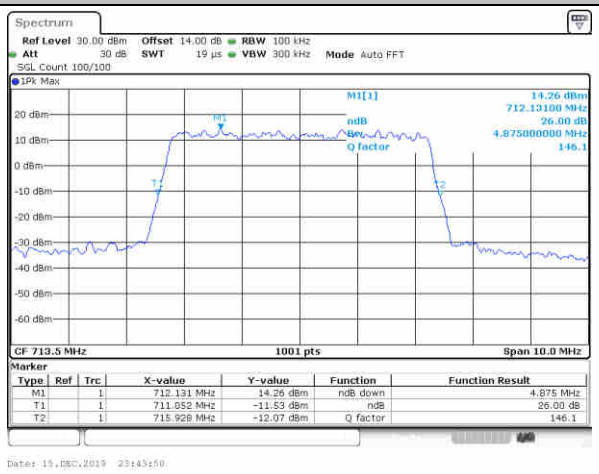

### Middle Channel / 5MHz / 64QAM



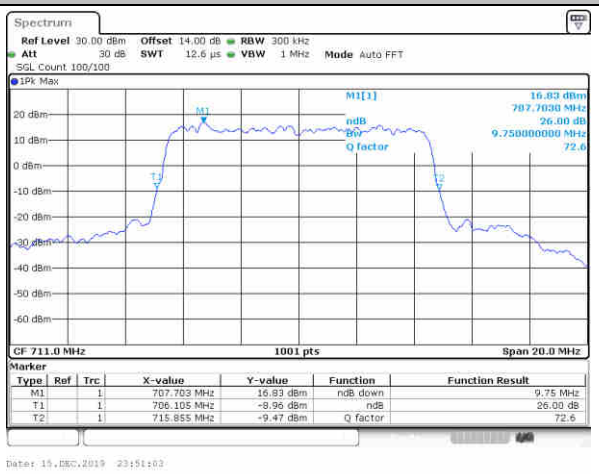

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM




### Highest Channel / 10MHz / 64QAM



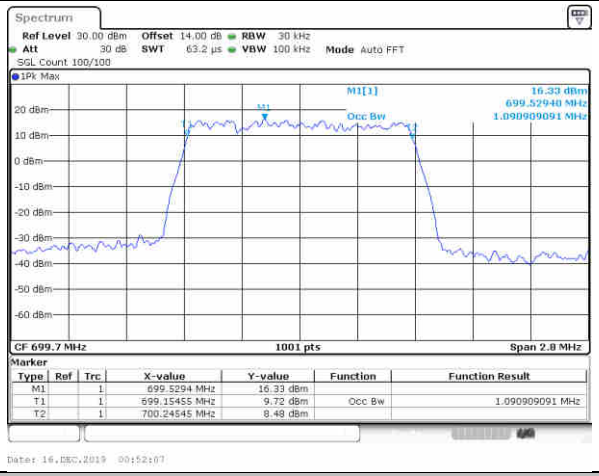
# Occupied Bandwidth

| Mode | LTE Band 12 : 99%OBW(MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.09 | 2.72 | 2.73 | 4.48 | 4.47 | 9.07 | 9.01 |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.72 | 4.51 | 4.49 | 8.99 | 8.97 |
| Highest CH | 1.09 | 1.09 | 2.72 | 2.72 | 4.48 | 4.50 | 8.99 | 8.99 |

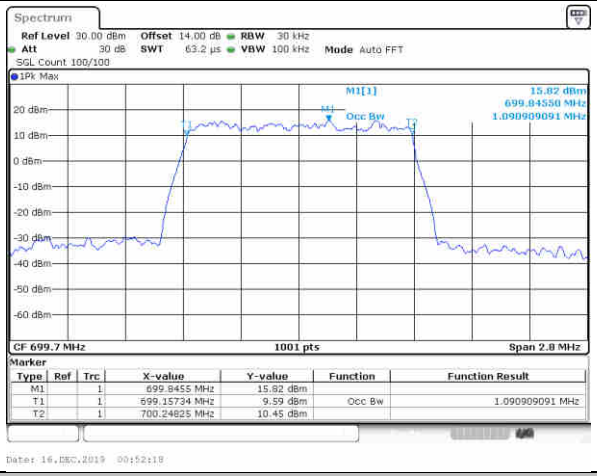
| Mode | LTE Band 12 : 99%OBW(MHz) | | | |
|---|---|---|---|---|
| BW | 1.4MHz | 3MHz | 5MHz | 10MHz |
| Mod. | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 1.09 | 2.72 | 4.48 | 9.01 |
| Middle CH | 1.10 | 2.72 | 4.49 | 9.03 |
| Highest CH | 1.09 | 2.73 | 4.48 | 8.93 |

## LTE Band 12

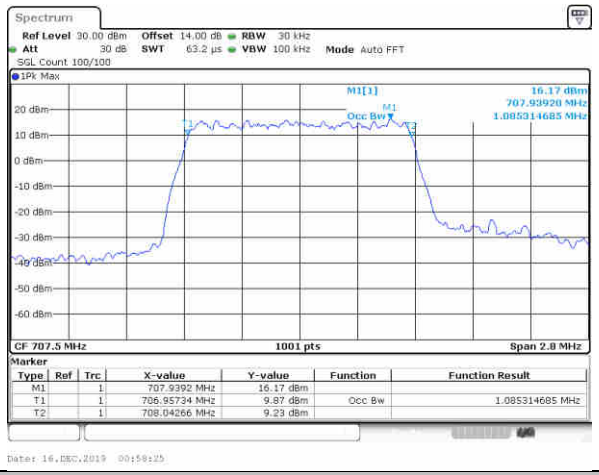
### Lowest Channel / 1.4MHz / QPSK



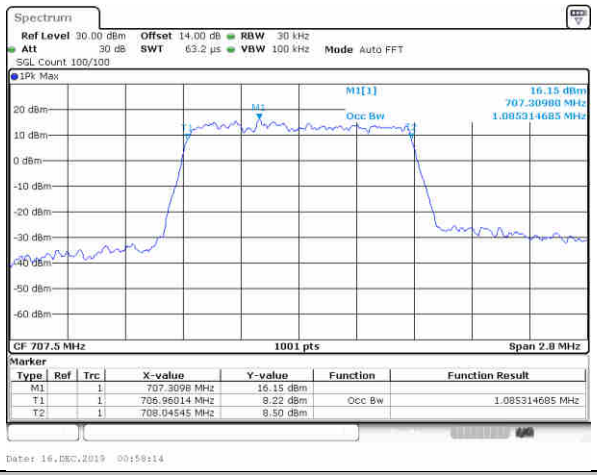

### Lowest Channel / 1.4MHz / 16QAM



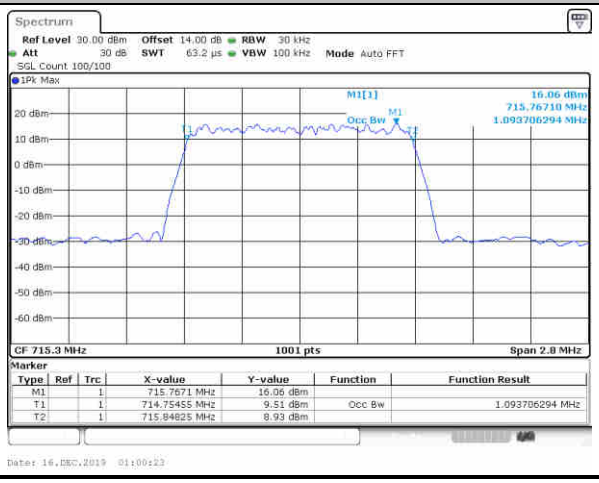

### Middle Channel / 1.4MHz / QPSK



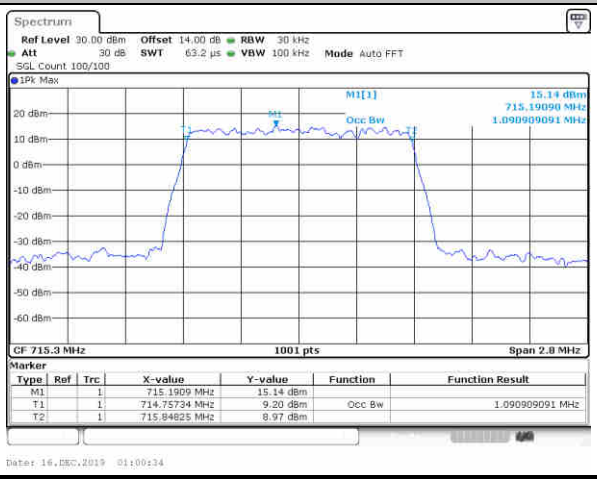

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

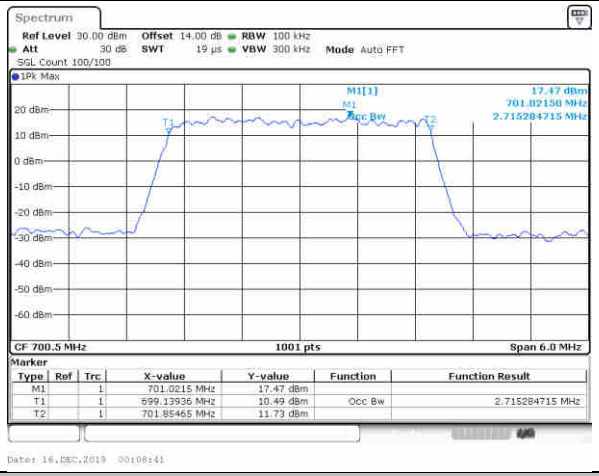



### Highest Channel / 1.4MHz / 16QAM

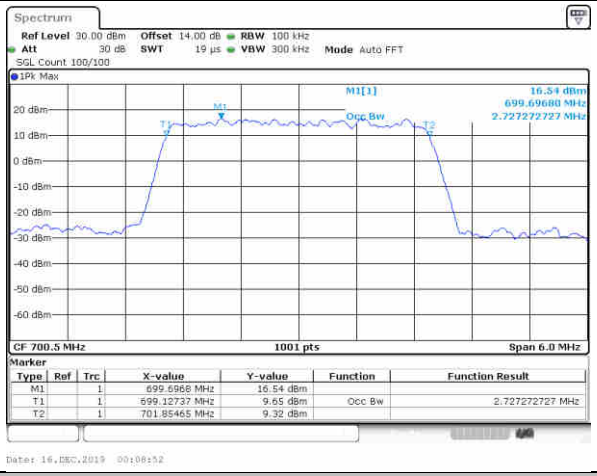


## LTE Band 12

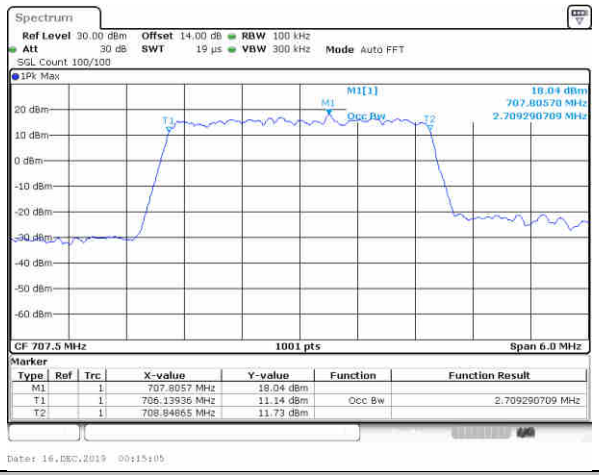
### Lowest Channel / 3MHz / QPSK



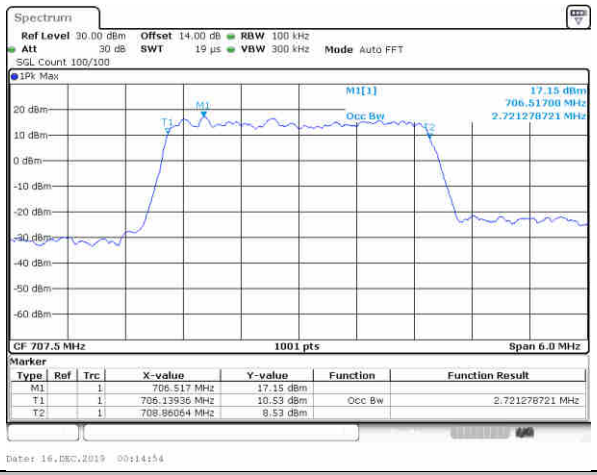

### Lowest Channel / 3MHz / 16QAM



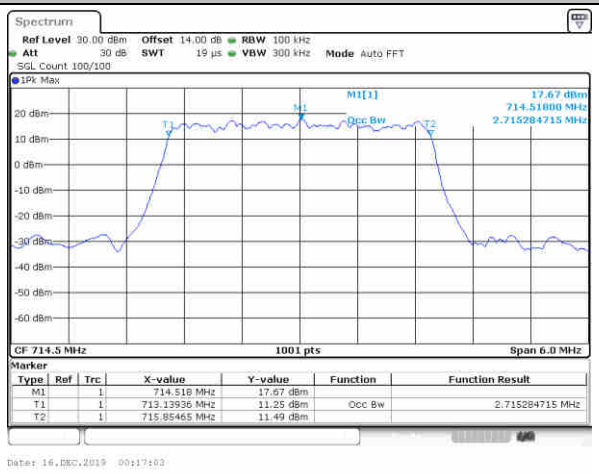

### Middle Channel / 3MHz / QPSK



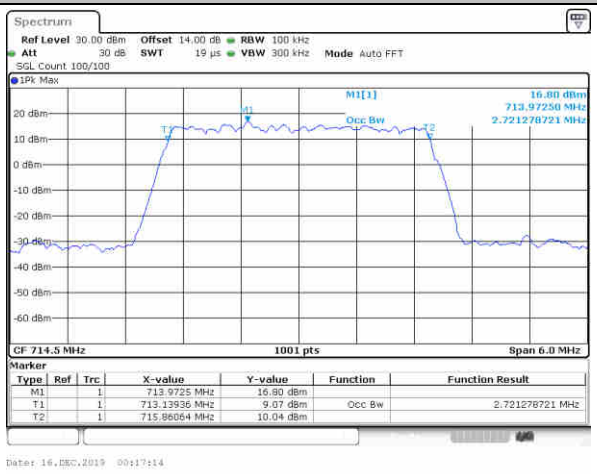

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

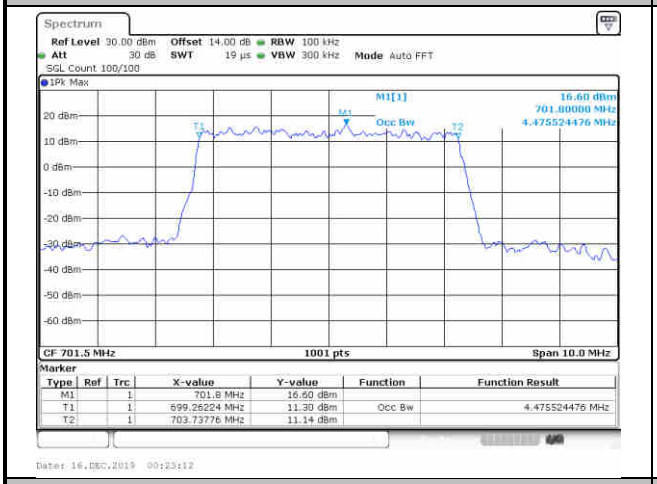



### Highest Channel / 3MHz / 16QAM

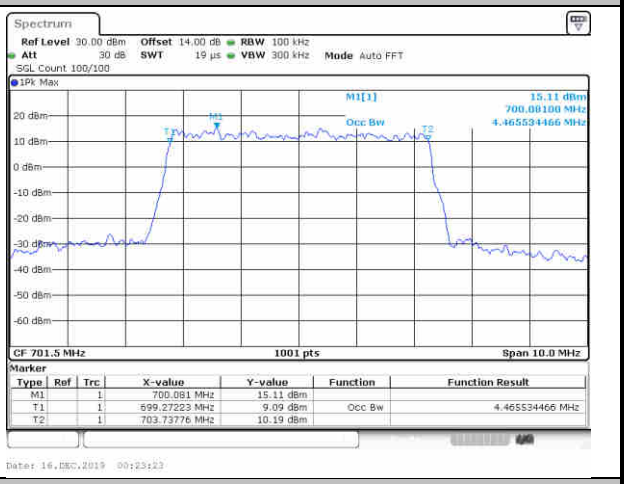


## LTE Band 12

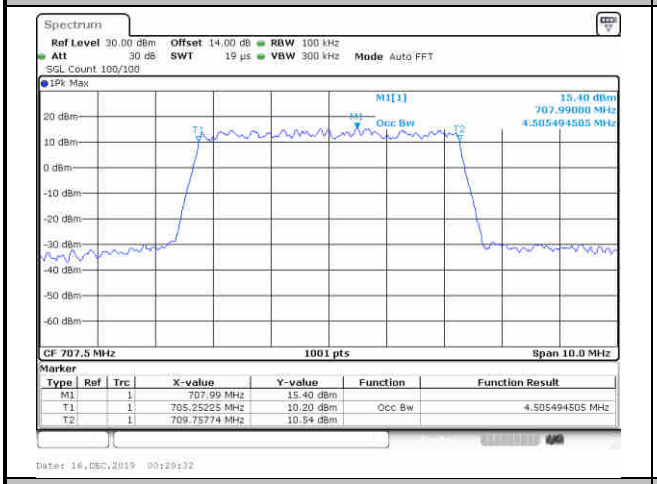
### Lowest Channel / 5MHz / QPSK



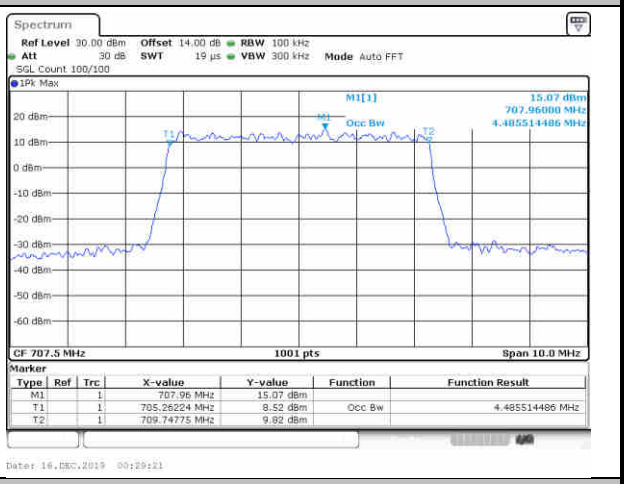

### Lowest Channel / 5MHz / 16QAM



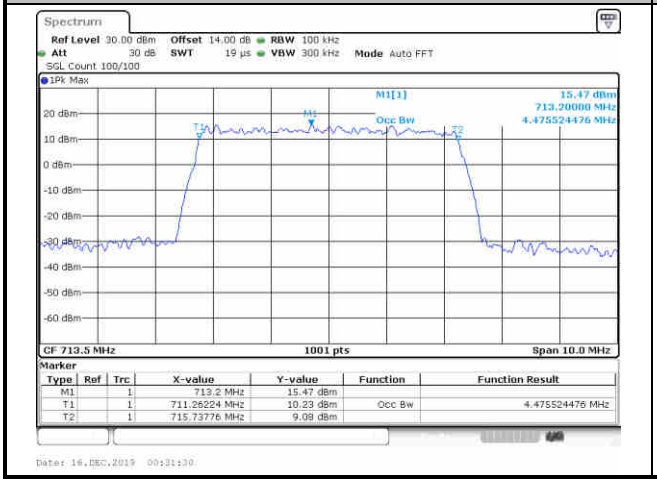

### Middle Channel / 5MHz / QPSK



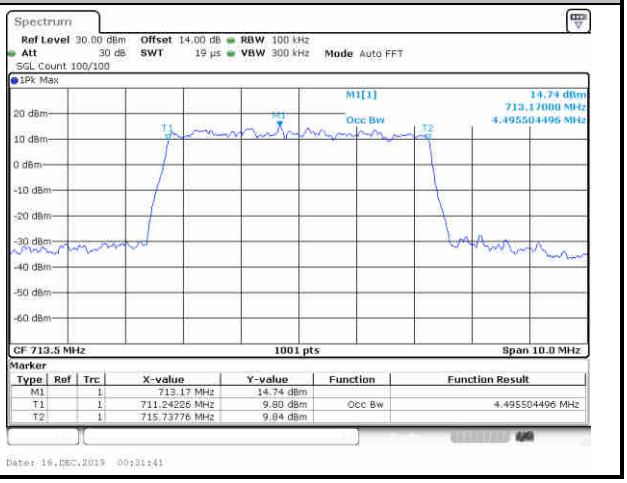

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

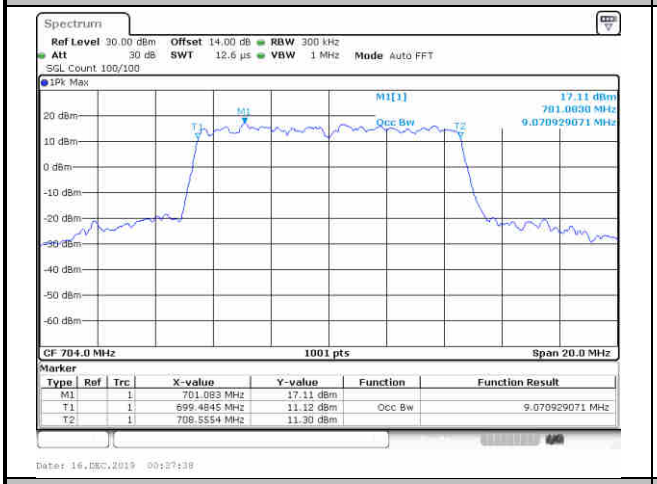



### Highest Channel / 5MHz / 16QAM

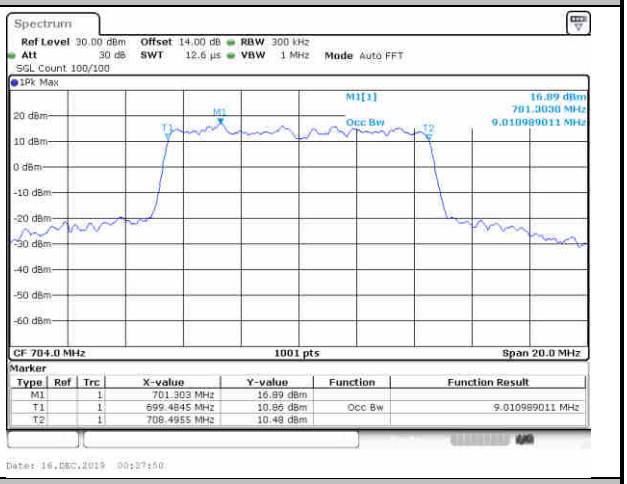


## LTE Band 12

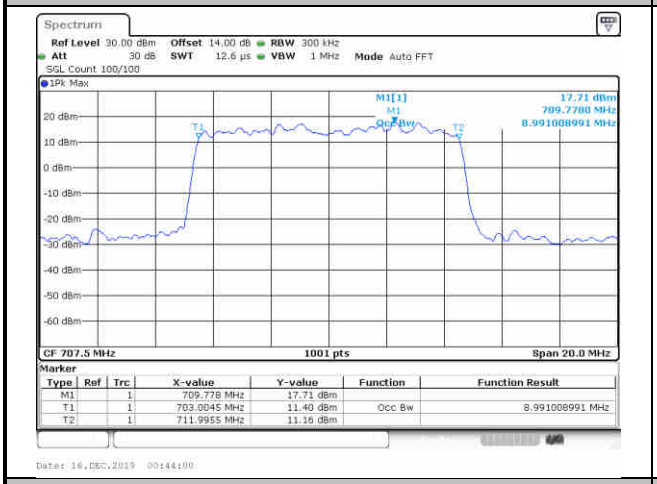
### Lowest Channel / 10MHz / QPSK



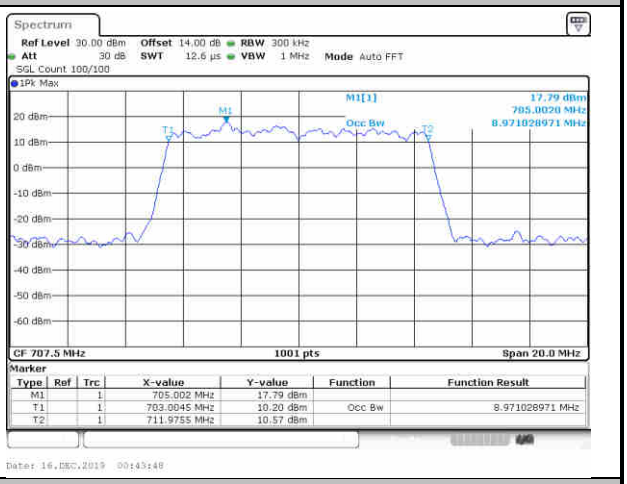

### Lowest Channel / 10MHz / 16QAM



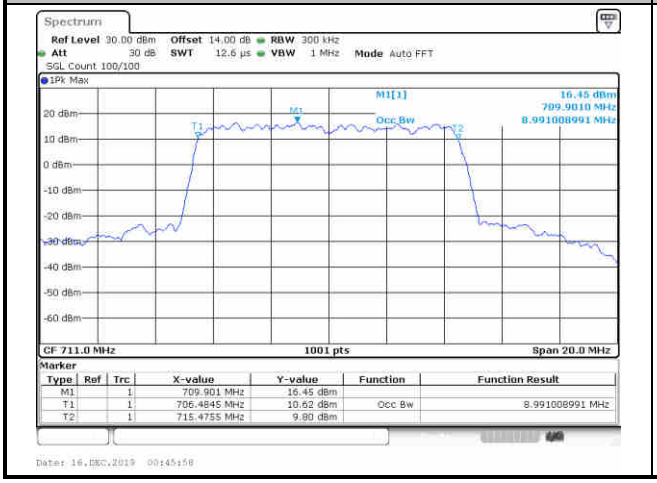

### Middle Channel / 10MHz / QPSK



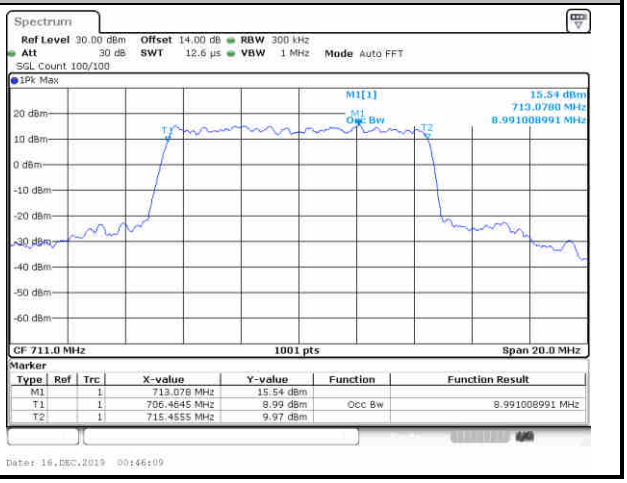

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

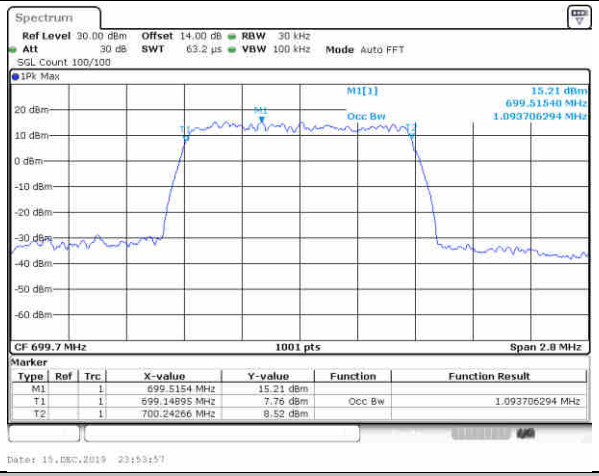



### Highest Channel / 10MHz / 16QAM

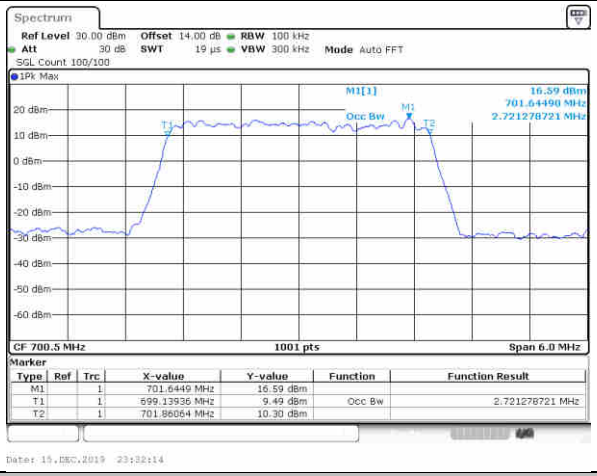


## LTE Band 12

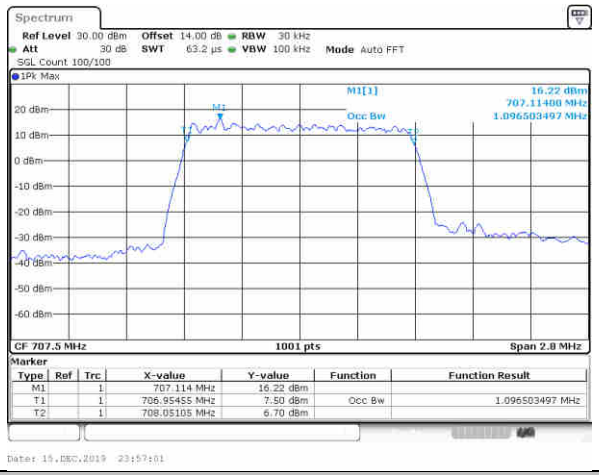
### Lowest Channel / 1.4MHz / 64QAM



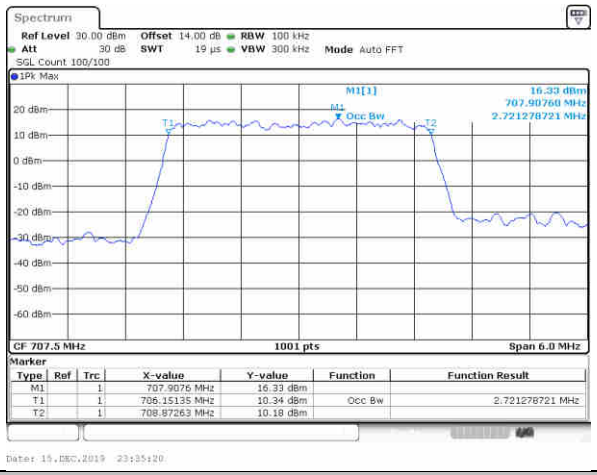

### Lowest Channel / 3MHz / 64QAM



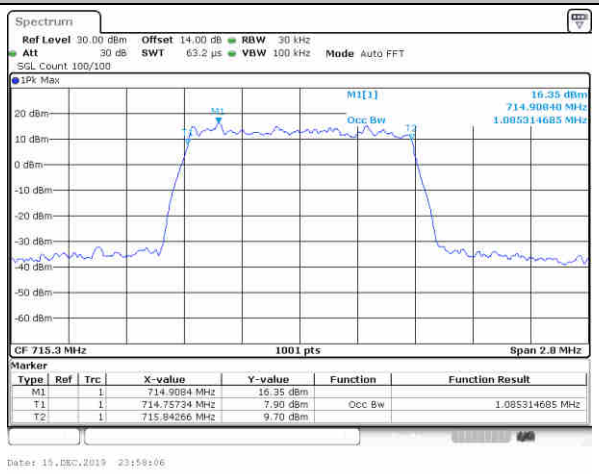

### Middle Channel / 1.4MHz / 64QAM



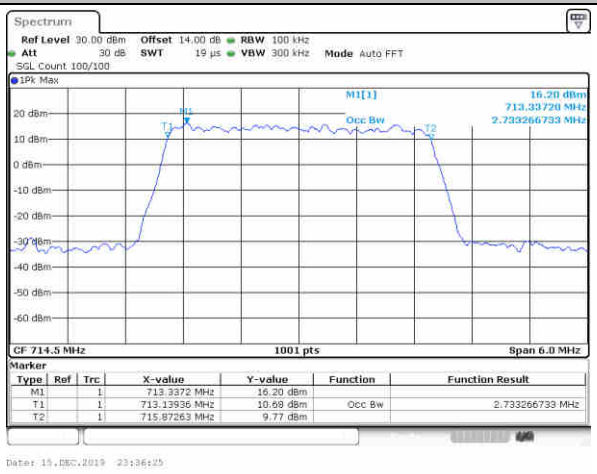

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 1.4MHz / 64QAM

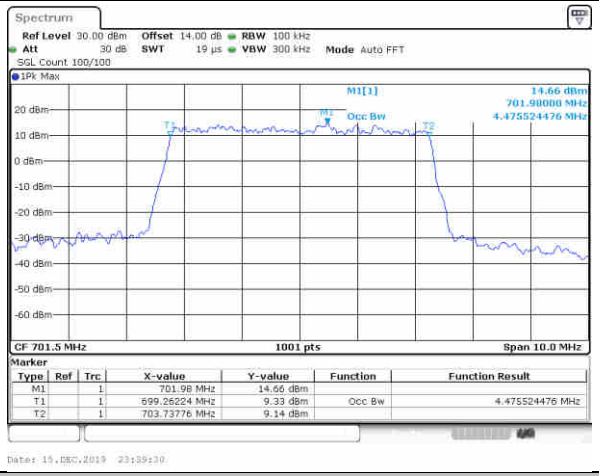



### Highest Channel / 3MHz / 64QAM

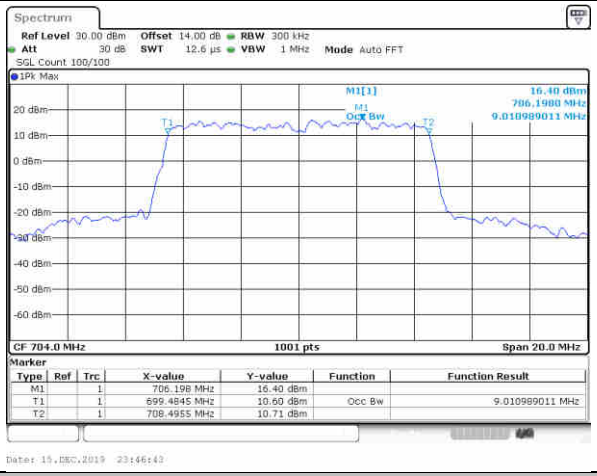


## LTE Band 12

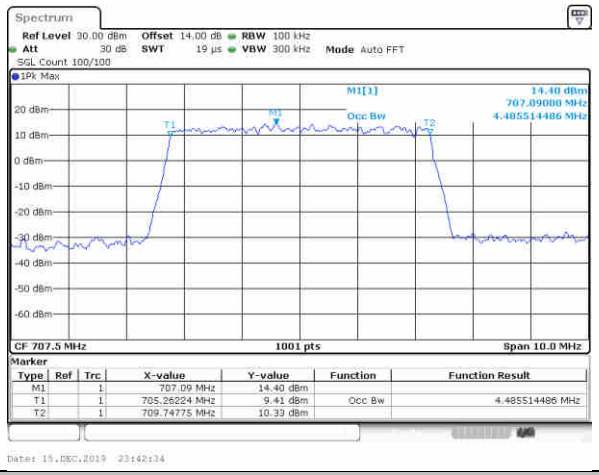
### Lowest Channel / 5MHz / 64QAM



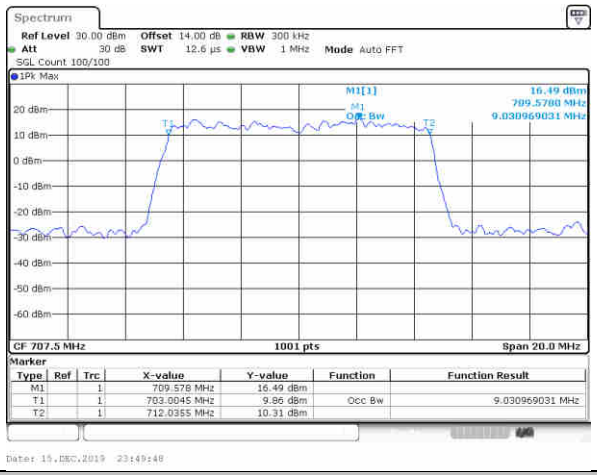

### Lowest Channel / 10MHz / 64QAM



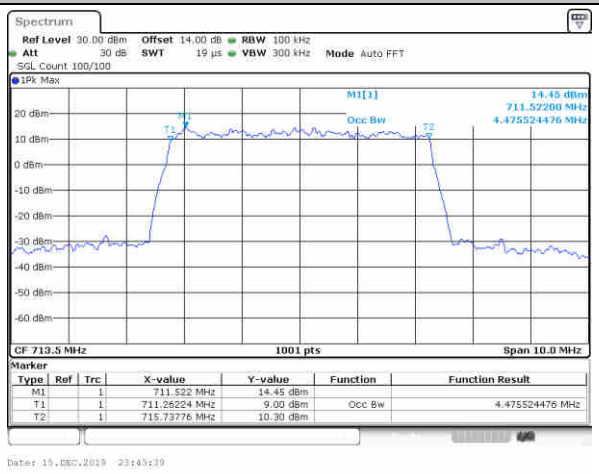

### Middle Channel / 5MHz / 64QAM



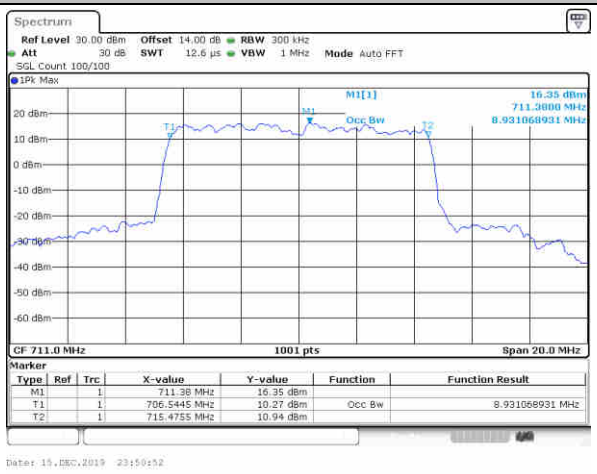

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM



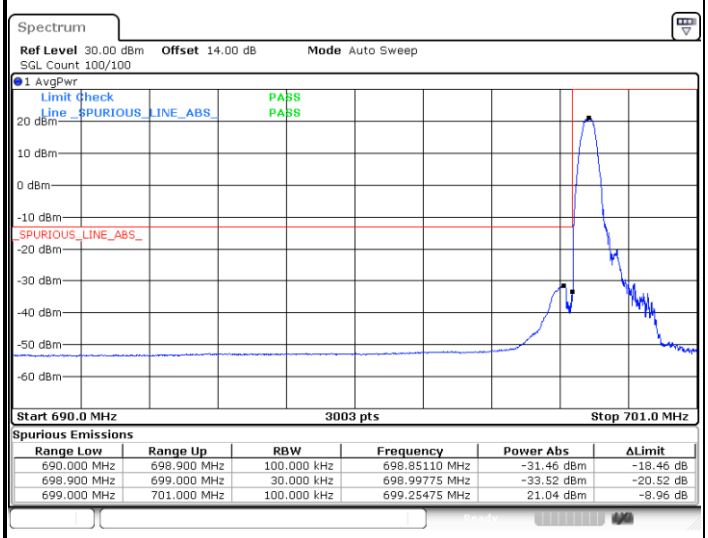

### Highest Channel / 10MHz / 64QAM



# Conducted Band Edge

## LTE Band 12 / 1.4MHz / QPSK

### Lowest Band Edge / 1 RB

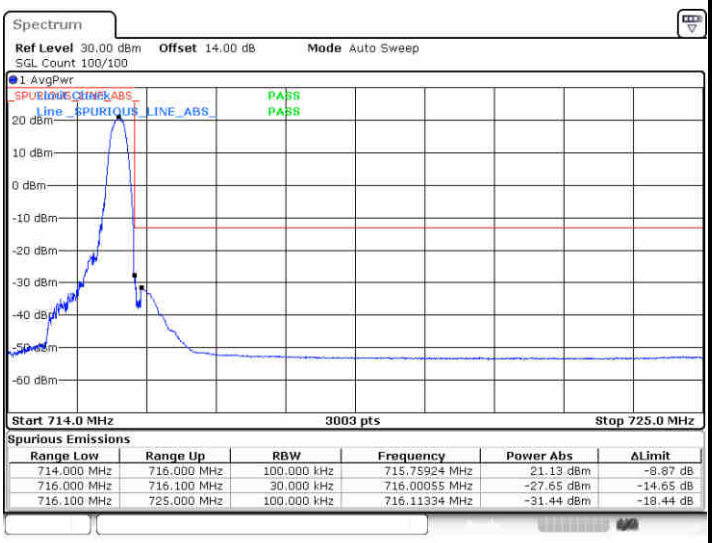



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.85110 MHz | -31.46 dBm | -18.46 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99775 MHz | -33.52 dBm | -20.52 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.25475 MHz | 21.04 dBm | -8.96 dB |

Date: 16.DEC.2019 00:56:39

### Highest Band Edge / 1RB

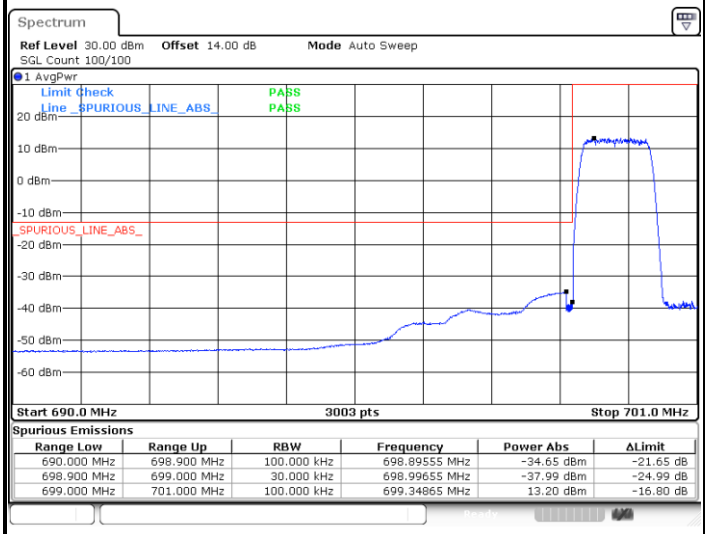



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.75924 MHz | 21.13 dBm | -8.87 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00055 MHz | -27.65 dBm | -14.65 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11334 MHz | -31.44 dBm | -18.44 dB |

Date: 16.DEC.2019 01:04:55

### Lowest Band Edge / Full RB

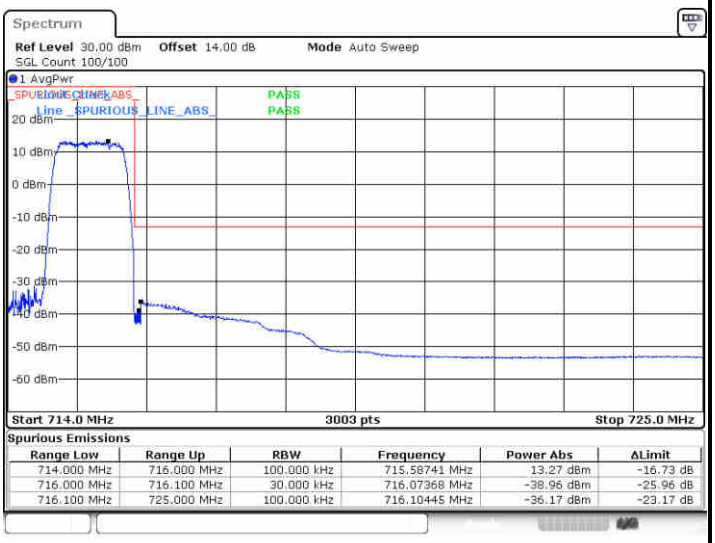



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -34.65 dBm | -21.65 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99655 MHz | -37.99 dBm | -24.99 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.34865 MHz | 13.20 dBm | -16.80 dB |

Date: 16.DEC.2019 00:53:39

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.58741 MHz | 13.27 dBm | -16.73 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.07368 MHz | -38.96 dBm | -25.96 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -36.17 dBm | -23.17 dB |

Date: 16.DEC.2019 01:01:55