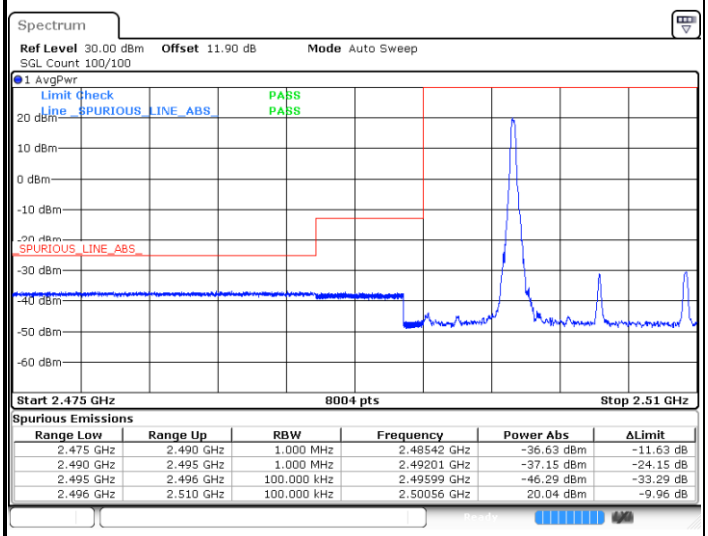
## LTE Band 7 / 10MHz / 64QAM

### Lowest Band Edge / 1 RB

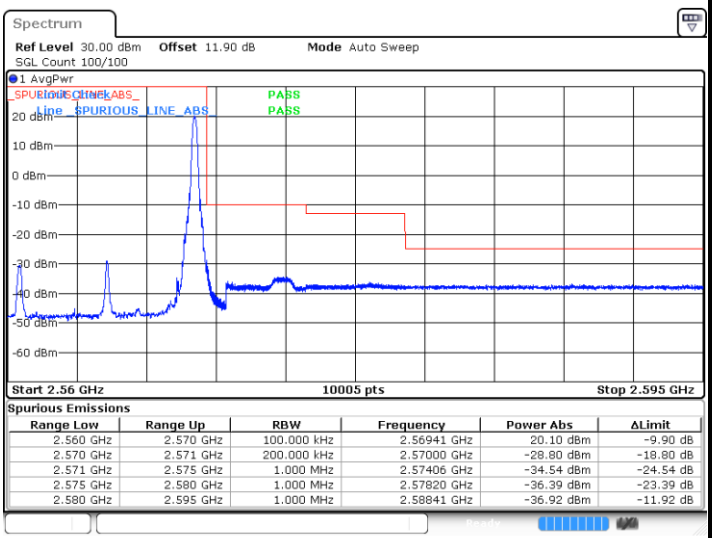



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48542 GHz | -36.63 dBm | -11.63 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49201 GHz | -37.15 dBm | -24.15 dB |
| 2.495 GHz | 2.496 GHz | 100.000 kHz | 2.49599 GHz | -46.29 dBm | -33.29 dB |
| 2.496 GHz | 2.510 GHz | 100.000 kHz | 2.50056 GHz | 20.04 dBm | -9.96 dB |

Date: 11.OCT.2017 13:32:10

### Highest Band Edge / 1 RB

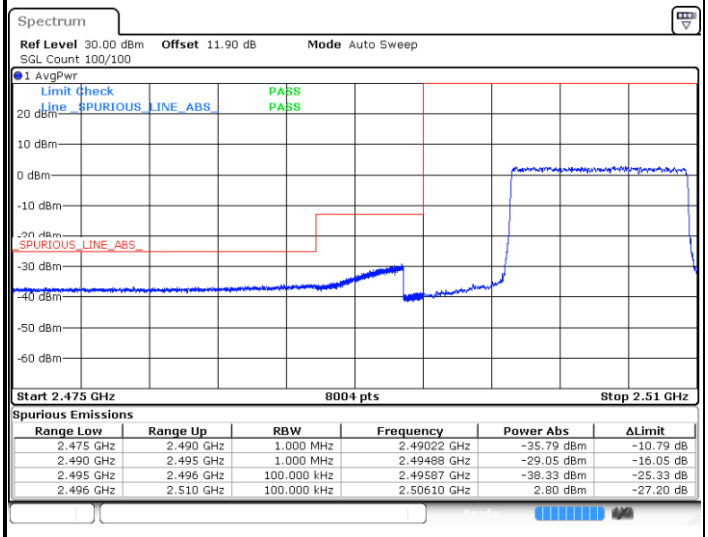



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56941 GHz | 20.10 dBm | -9.90 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57000 GHz | -28.80 dBm | -18.80 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57406 GHz | -34.54 dBm | -24.54 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57820 GHz | -36.39 dBm | -23.39 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58841 GHz | -36.92 dBm | -11.92 dB |

Date: 11.OCT.2017 13:36:55

### Lowest Band Edge / Full RB

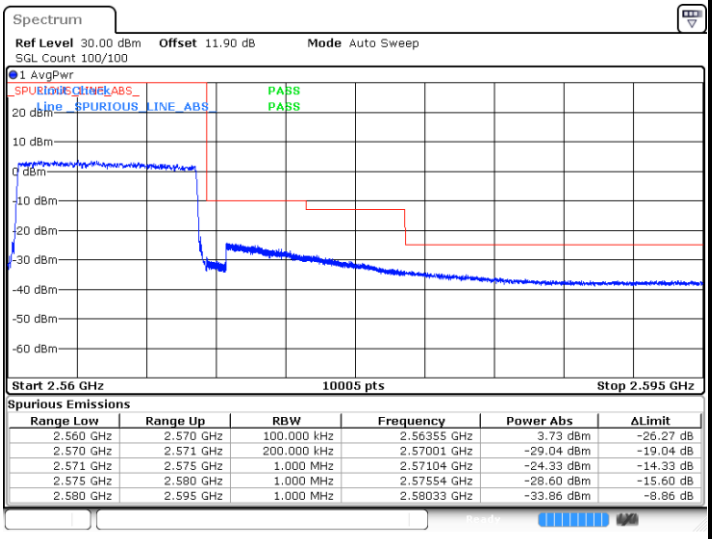



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49022 GHz | -35.79 dBm | -10.79 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49488 GHz | -29.05 dBm | -16.05 dB |
| 2.495 GHz | 2.496 GHz | 100.000 kHz | 2.49587 GHz | -38.33 dBm | -25.33 dB |
| 2.496 GHz | 2.510 GHz | 100.000 kHz | 2.50610 GHz | 2.80 dBm | -27.20 dB |

Date: 11.OCT.2017 13:33:20

### Highest Band Edge / Full RB



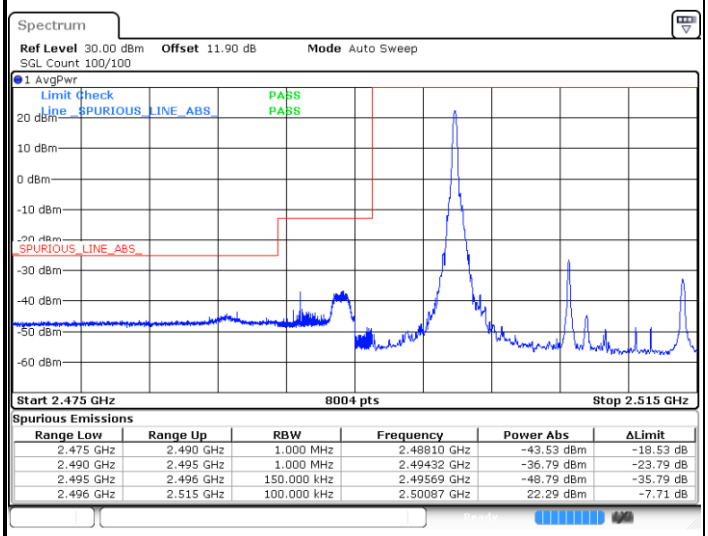

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56355 GHz | 3.73 dBm | -26.27 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57001 GHz | -29.04 dBm | -19.04 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57104 GHz | -24.33 dBm | -14.33 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57554 GHz | -28.60 dBm | -15.60 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58033 GHz | -33.86 dBm | -8.86 dB |

Date: 11.OCT.2017 13:38:05

## LTE Band 7 / 15MHz / QPSK

### Lowest Band Edge / 1 RB

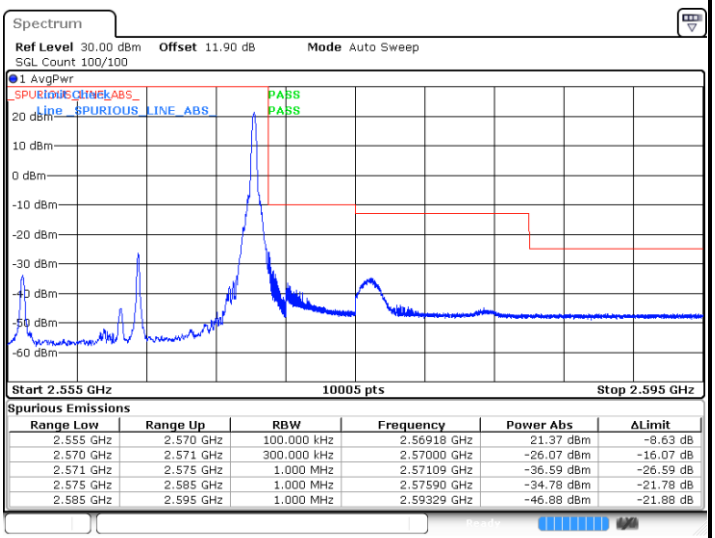



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48810 GHz | -43.53 dBm | -18.53 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49432 GHz | -36.79 dBm | -23.79 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49569 GHz | -48.79 dBm | -35.79 dB |
| 2.496 GHz | 2.515 GHz | 100.000 kHz | 2.50087 GHz | 22.29 dBm | -7.71 dB |

Date: 4.AUG.2017 11:14:09

### Highest Band Edge / 1 RB

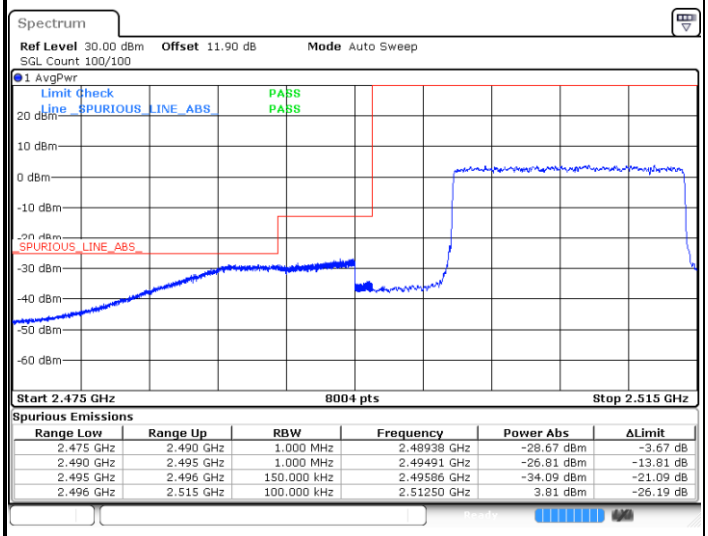



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56918 GHz | 21.37 dBm | -8.63 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57000 GHz | -26.07 dBm | -16.07 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57109 GHz | -36.59 dBm | -26.59 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57590 GHz | -34.78 dBm | -21.78 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.59329 GHz | -46.88 dBm | -21.88 dB |

Date: 4.AUG.2017 11:23:39

### Lowest Band Edge / Full RB

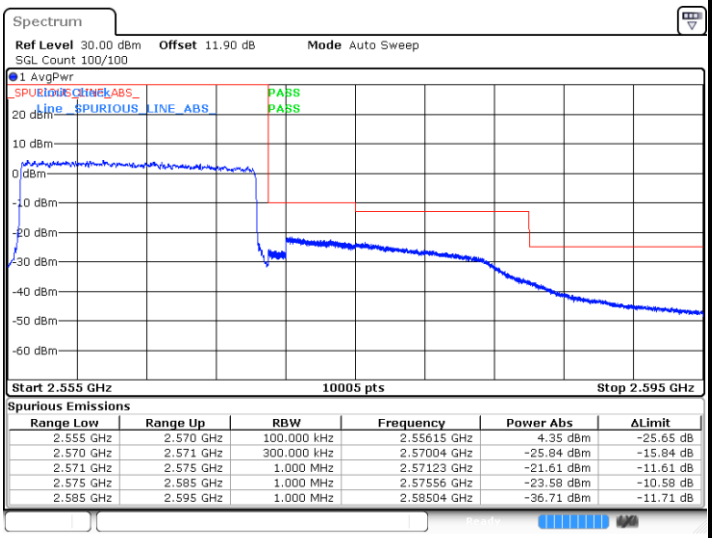



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48938 GHz | -28.67 dBm | -3.67 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49491 GHz | -26.81 dBm | -13.81 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49586 GHz | -34.09 dBm | -21.09 dB |
| 2.496 GHz | 2.515 GHz | 100.000 kHz | 2.51250 GHz | 3.81 dBm | -26.19 dB |

Date: 4.AUG.2017 11:16:28

### Highest Band Edge / Full RB



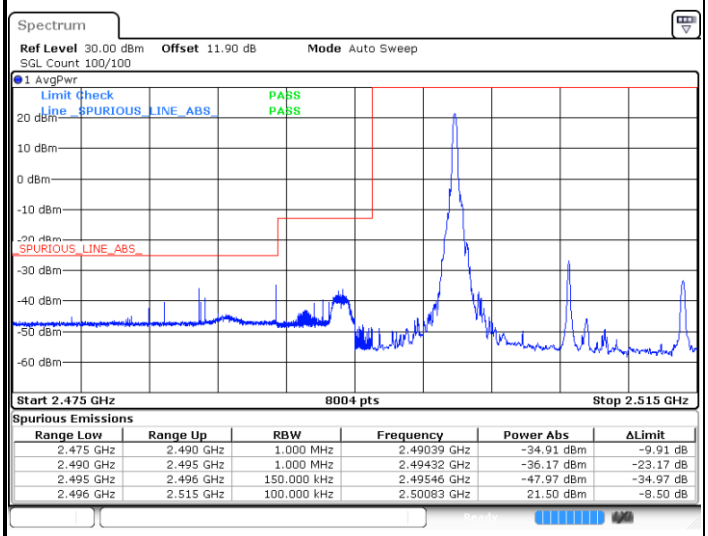

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.55615 GHz | 4.35 dBm | -25.65 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57004 GHz | -25.84 dBm | -15.84 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57123 GHz | -21.61 dBm | -11.61 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57556 GHz | -23.58 dBm | -10.58 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58504 GHz | -36.71 dBm | -11.71 dB |

Date: 4.AUG.2017 11:25:58

## LTE Band 7 / 15MHz / 16QAM

### Lowest Band Edge / 1 RB

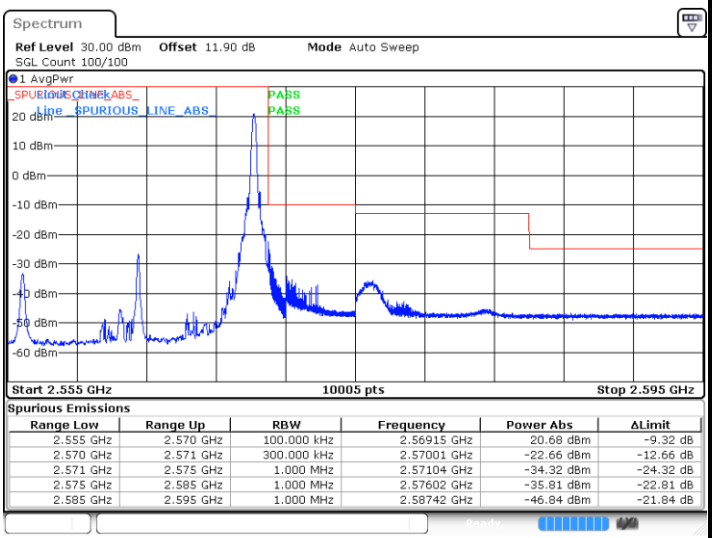



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49039 GHz | -34.91 dBm | -9.91 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49432 GHz | -36.17 dBm | -23.17 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49546 GHz | -47.97 dBm | -34.97 dB |
| 2.496 GHz | 2.515 GHz | 100.000 kHz | 2.50083 GHz | 21.50 dBm | -8.50 dB |

Date: 4.AUG.2017 11:15:18

### Highest Band Edge / 1 RB

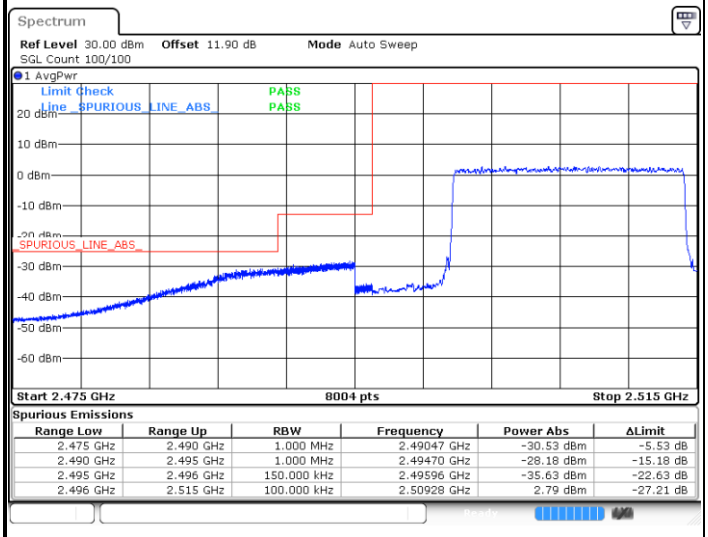



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56915 GHz | 20.68 dBm | -9.32 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57001 GHz | -22.66 dBm | -12.66 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57104 GHz | -34.32 dBm | -24.32 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57602 GHz | -35.81 dBm | -22.81 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58742 GHz | -46.84 dBm | -21.84 dB |

Date: 4.AUG.2017 11:24:49

### Lowest Band Edge / Full RB

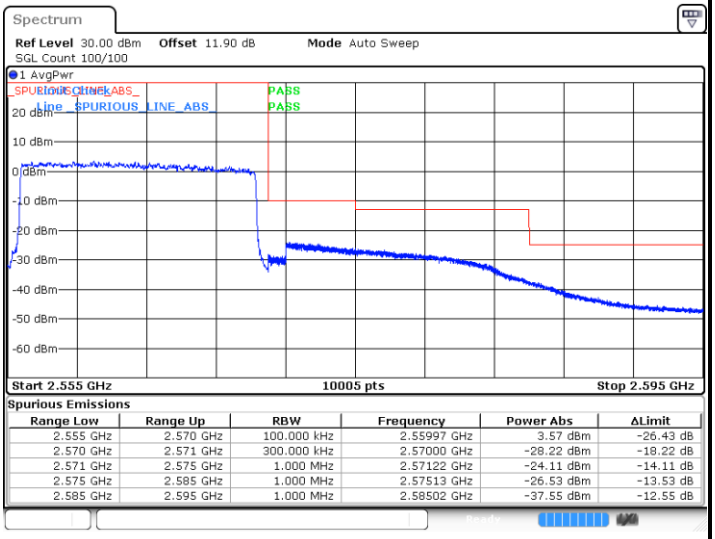



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49047 GHz | -30.53 dBm | -5.53 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49470 GHz | -28.18 dBm | -15.18 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49596 GHz | -35.63 dBm | -22.63 dB |
| 2.496 GHz | 2.515 GHz | 100.000 kHz | 2.50928 GHz | 2.79 dBm | -27.21 dB |

Date: 4.AUG.2017 11:17:37

### Highest Band Edge / Full RB



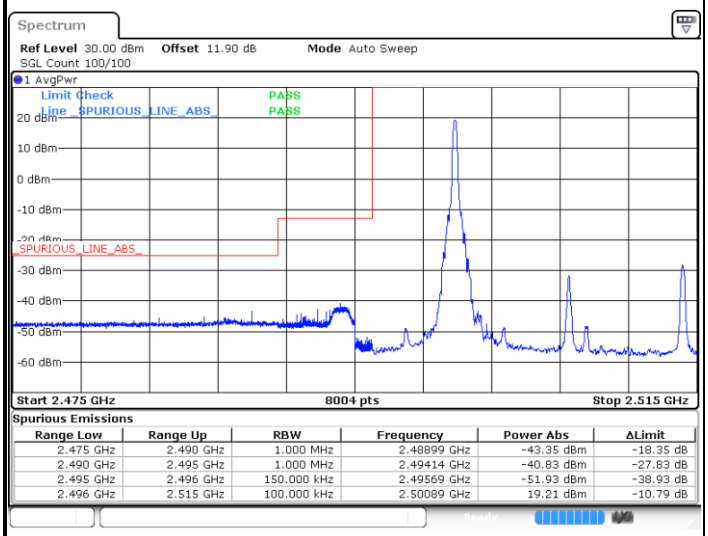

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.55997 GHz | 3.57 dBm | -26.43 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57000 GHz | -28.22 dBm | -18.22 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57122 GHz | -24.11 dBm | -14.11 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57513 GHz | -26.53 dBm | -13.53 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58502 GHz | -37.55 dBm | -12.55 dB |

Date: 4.AUG.2017 11:27:07

## LTE Band 7 / 15MHz / 64QAM

### Lowest Band Edge / 1 RB

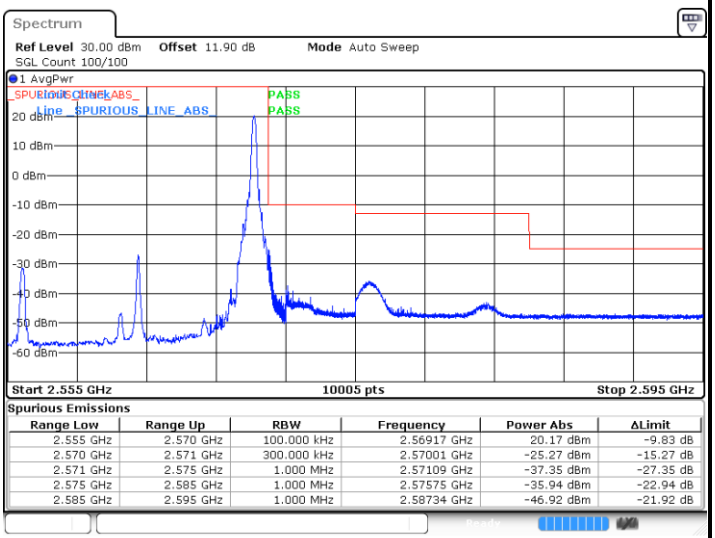



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48899 GHz | -43.35 dBm | -18.35 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49414 GHz | -40.83 dBm | -27.83 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49569 GHz | -51.93 dBm | -38.93 dB |
| 2.496 GHz | 2.515 GHz | 100.000 kHz | 2.50089 GHz | 19.21 dBm | -10.79 dB |

Date: 11.OCT.2017 13:40:27

### Highest Band Edge / 1 RB

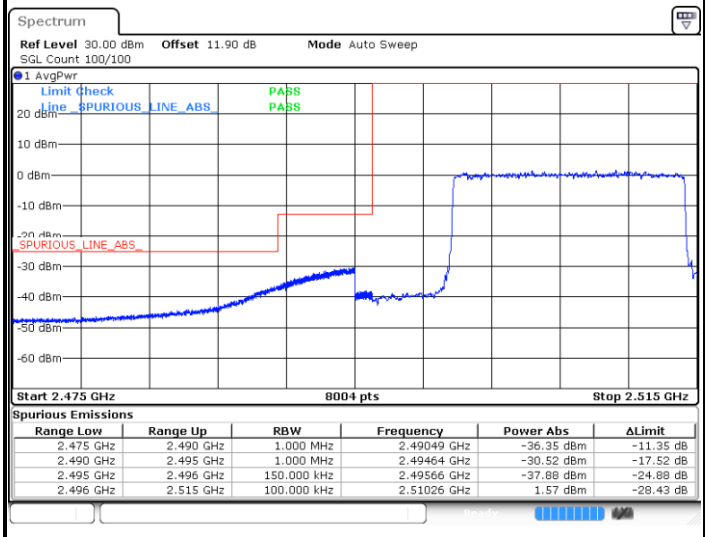



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56917 GHz | 20.17 dBm | -9.83 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57001 GHz | -25.27 dBm | -15.27 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57109 GHz | -37.35 dBm | -27.35 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57575 GHz | -35.94 dBm | -22.94 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58734 GHz | -46.92 dBm | -21.92 dB |

Date: 11.OCT.2017 13:45:12

### Lowest Band Edge / Full RB

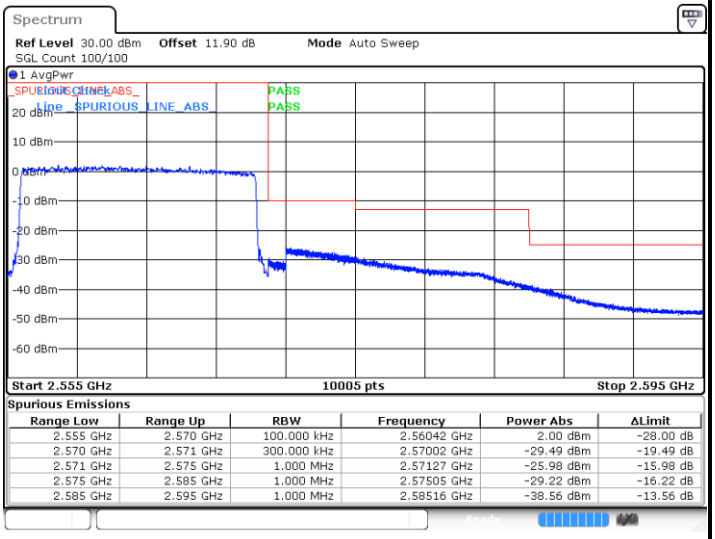



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49049 GHz | -36.35 dBm | -11.35 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49464 GHz | -30.52 dBm | -17.52 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49566 GHz | -37.88 dBm | -24.88 dB |
| 2.496 GHz | 2.515 GHz | 100.000 kHz | 2.51026 GHz | 1.57 dBm | -28.43 dB |

Date: 11.OCT.2017 13:41:37

### Highest Band Edge / Full RB



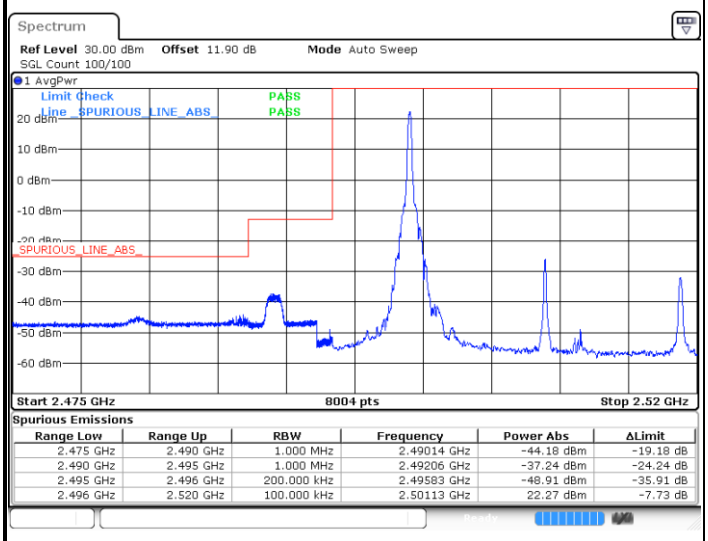

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56042 GHz | 2.00 dBm | -28.00 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57002 GHz | -29.49 dBm | -19.49 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57127 GHz | -25.98 dBm | -15.98 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57505 GHz | -29.22 dBm | -16.22 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58516 GHz | -38.56 dBm | -13.56 dB |

Date: 11.OCT.2017 13:46:21

## LTE Band 7 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

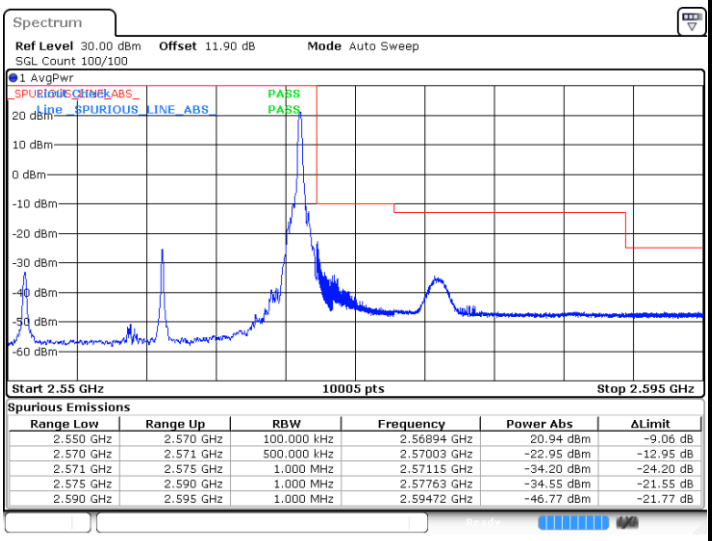



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49014 GHz | -44.18 dBm | -19.18 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49206 GHz | -37.24 dBm | -24.24 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49583 GHz | -48.91 dBm | -35.91 dB |
| 2.496 GHz | 2.520 GHz | 100.000 kHz | 2.50113 GHz | 22.27 dBm | -7.73 dB |

Date: 4.AUG.2017 11:32:57

### Highest Band Edge / 1 RB

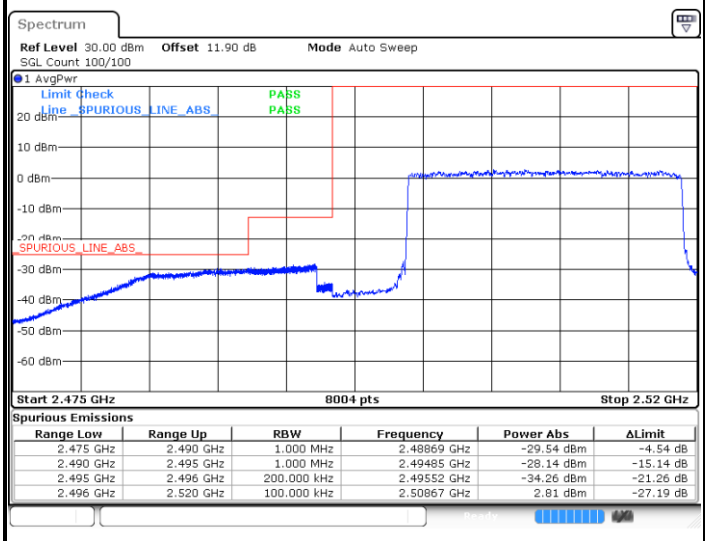



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56894 GHz | 20.94 dBm | -9.06 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57003 GHz | -22.95 dBm | -12.95 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57115 GHz | -34.20 dBm | -24.20 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57763 GHz | -34.55 dBm | -21.55 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59472 GHz | -46.77 dBm | -21.77 dB |

Date: 4.AUG.2017 11:42:27

### Lowest Band Edge / Full RB

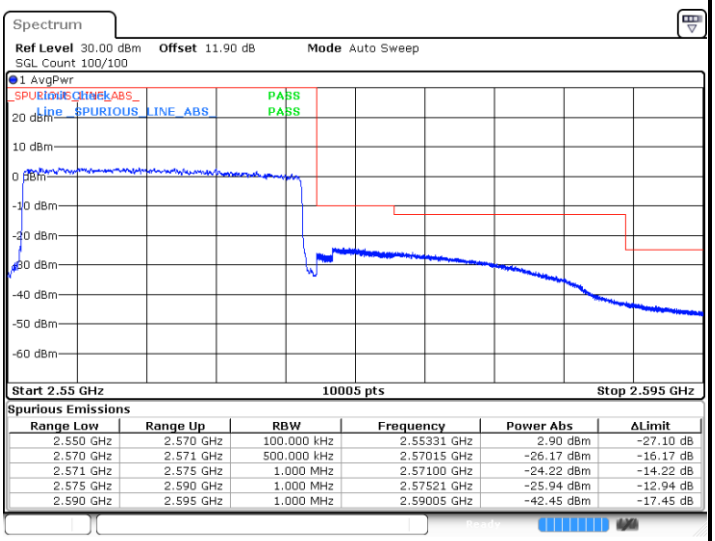



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48869 GHz | -29.54 dBm | -4.54 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49485 GHz | -28.14 dBm | -15.14 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49552 GHz | -34.26 dBm | -21.26 dB |
| 2.496 GHz | 2.520 GHz | 100.000 kHz | 2.50867 GHz | 2.81 dBm | -27.19 dB |

Date: 4.AUG.2017 11:35:16

### Highest Band Edge / Full RB



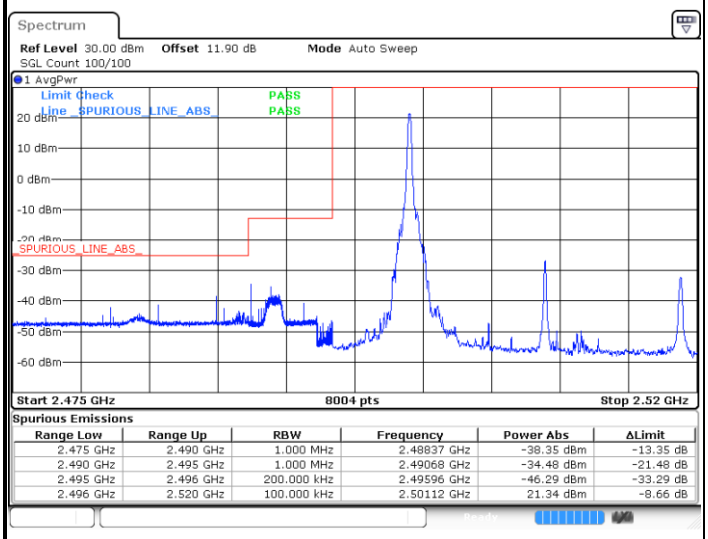

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55331 GHz | 2.90 dBm | -27.10 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57015 GHz | -26.17 dBm | -16.17 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57100 GHz | -24.22 dBm | -14.22 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57521 GHz | -25.94 dBm | -12.94 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59005 GHz | -42.45 dBm | -17.45 dB |

Date: 4.AUG.2017 11:45:55

## LTE Band 7 / 20MHz / 16QAM

### Lowest Band Edge /1 RB

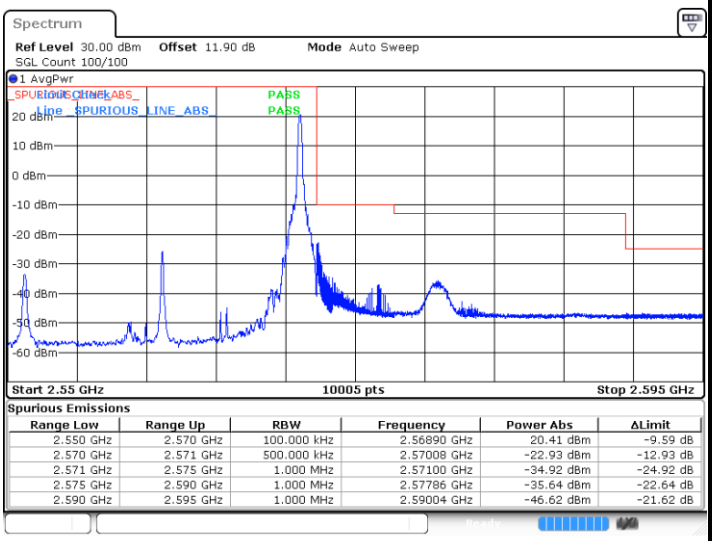



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48837 GHz | -38.35 dBm | -13.35 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49068 GHz | -34.48 dBm | -21.48 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49596 GHz | -46.29 dBm | -33.29 dB |
| 2.496 GHz | 2.520 GHz | 100.000 kHz | 2.50112 GHz | 21.34 dBm | -8.66 dB |

Date: 4.AUG.2017 11:34:06

### Highest Band Edge / 1RB

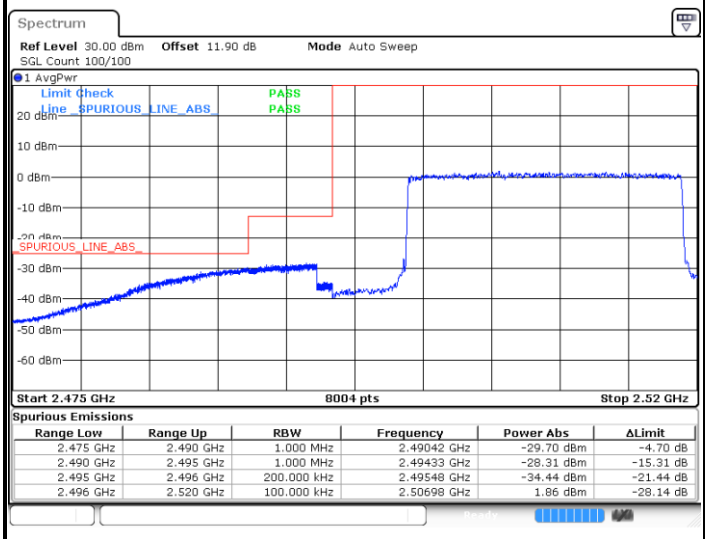



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56890 GHz | 20.41 dBm | -9.59 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57008 GHz | -22.93 dBm | -12.93 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57100 GHz | -34.92 dBm | -24.92 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57786 GHz | -35.64 dBm | -22.64 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59004 GHz | -46.62 dBm | -21.62 dB |

Date: 4.AUG.2017 11:43:36

### Lowest Band Edge / Full RB

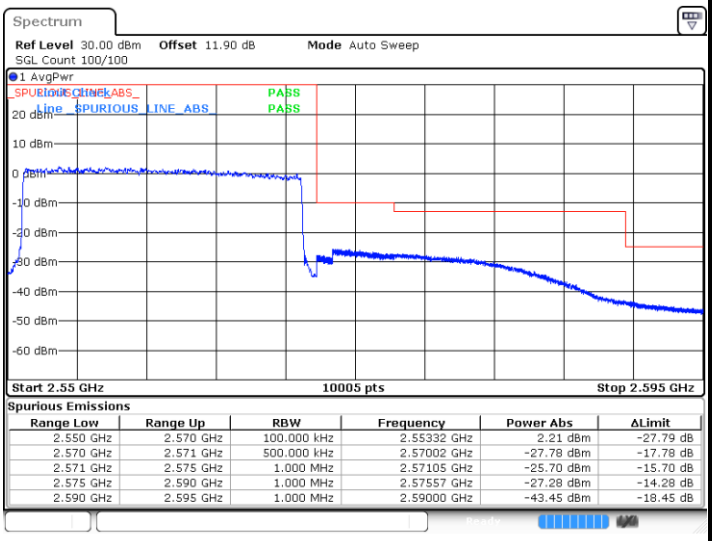



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49042 GHz | -29.70 dBm | -4.70 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49433 GHz | -28.31 dBm | -15.31 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49548 GHz | -34.44 dBm | -21.44 dB |
| 2.496 GHz | 2.520 GHz | 100.000 kHz | 2.50698 GHz | 1.86 dBm | -28.14 dB |

Date: 4.AUG.2017 11:36:25

### Highest Band Edge / Full RB



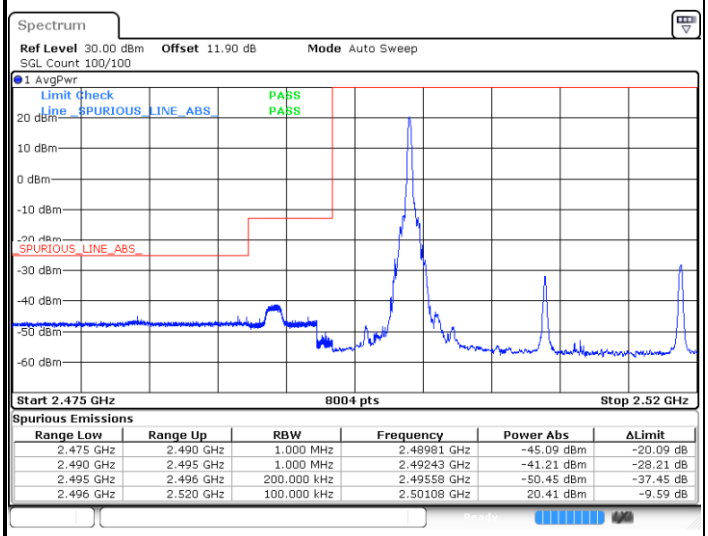

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55332 GHz | 2.21 dBm | -27.79 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57002 GHz | -27.78 dBm | -17.78 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57105 GHz | -25.70 dBm | -15.70 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57557 GHz | -27.28 dBm | -14.28 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59000 GHz | -43.45 dBm | -18.45 dB |

Date: 4.AUG.2017 11:44:46

## LTE Band 7 / 20MHz / 64QAM

### Lowest Band Edge / 1 RB

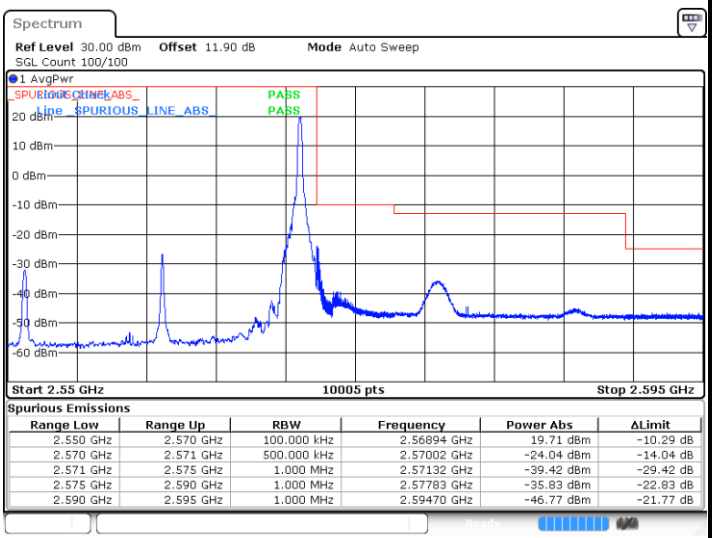



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48981 GHz | -45.09 dBm | -20.09 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49243 GHz | -41.21 dBm | -28.21 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49558 GHz | -50.45 dBm | -37.45 dB |
| 2.496 GHz | 2.520 GHz | 100.000 kHz | 2.50108 GHz | 20.41 dBm | -9.59 dB |

Date: 11.OCT.2017 13:48:44

### Highest Band Edge / 1 RB

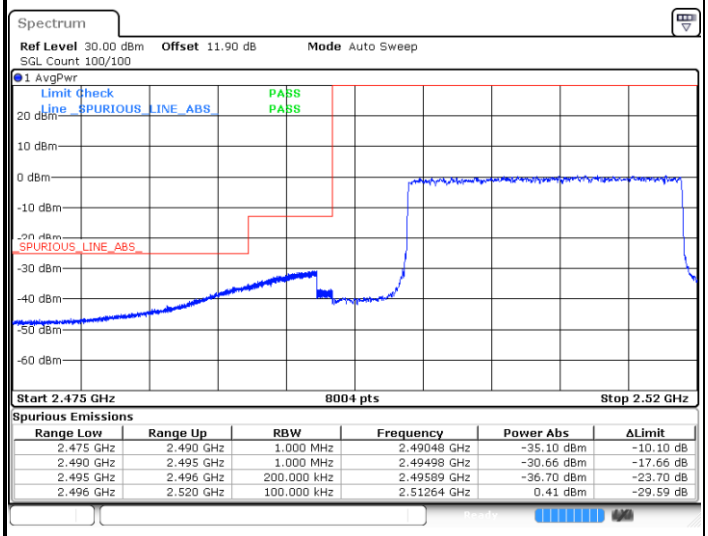



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.56894 GHz | 19.71 dBm | -10.29 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57002 GHz | -24.04 dBm | -14.04 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57132 GHz | -39.42 dBm | -29.42 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57783 GHz | -35.83 dBm | -22.83 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59470 GHz | -46.77 dBm | -21.77 dB |

Date: 11.OCT.2017 13:53:29

### Lowest Band Edge / Full RB

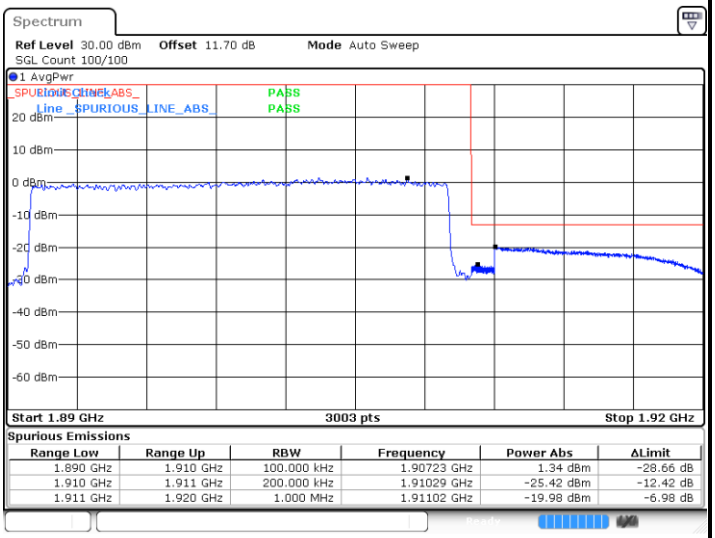



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49048 GHz | -35.10 dBm | -10.10 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49498 GHz | -30.66 dBm | -17.66 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49589 GHz | -36.70 dBm | -23.70 dB |
| 2.496 GHz | 2.520 GHz | 100.000 kHz | 2.51264 GHz | 0.41 dBm | -29.59 dB |

Date: 11.OCT.2017 13:49:53

### Highest Band Edge / Full RB




Spurious Emissions

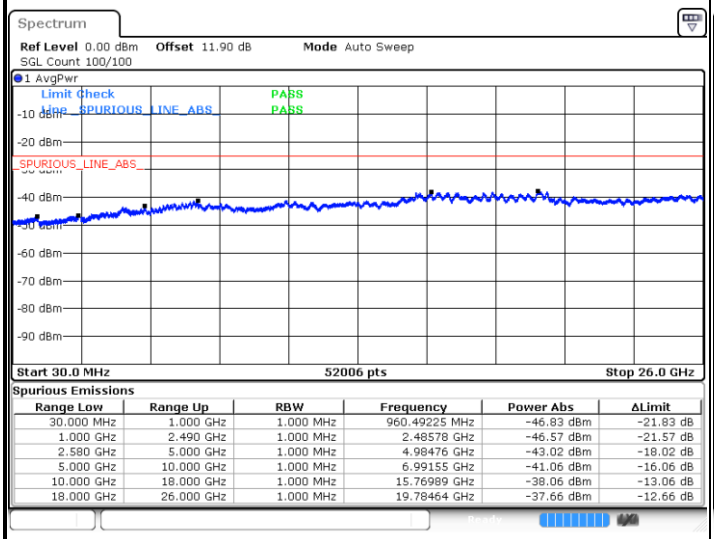
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.890 GHz | 1.910 GHz | 100.000 kHz | 1.90723 GHz | 1.34 dBm | -28.66 dB |
| 1.910 GHz | 1.911 GHz | 200.000 kHz | 1.91029 GHz | -25.42 dBm | -12.42 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91102 GHz | -19.98 dBm | -6.98 dB |

Date: 6.OCT.2017 19:41:20

# Conducted Spurious Emission

## LTE Band 7 / 5MHz

### Lowest Channel / QPSK

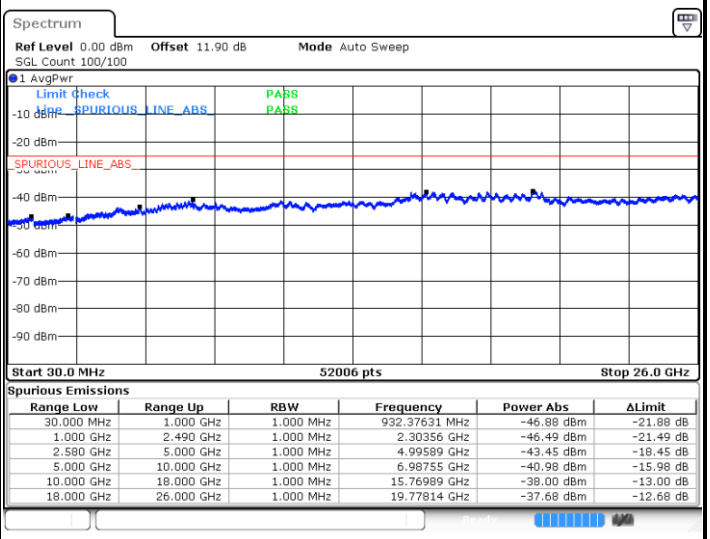



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 960.49225 MHz | -46.83 dBm | -21.83 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48578 GHz | -46.57 dBm | -21.57 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98476 GHz | -43.02 dBm | -18.02 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99155 GHz | -41.06 dBm | -16.06 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76989 GHz | -38.06 dBm | -13.06 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.78464 GHz | -37.66 dBm | -12.66 dB |

Date: 4.AUG.2017 10:45:23

### Lowest Channel / 16QAM

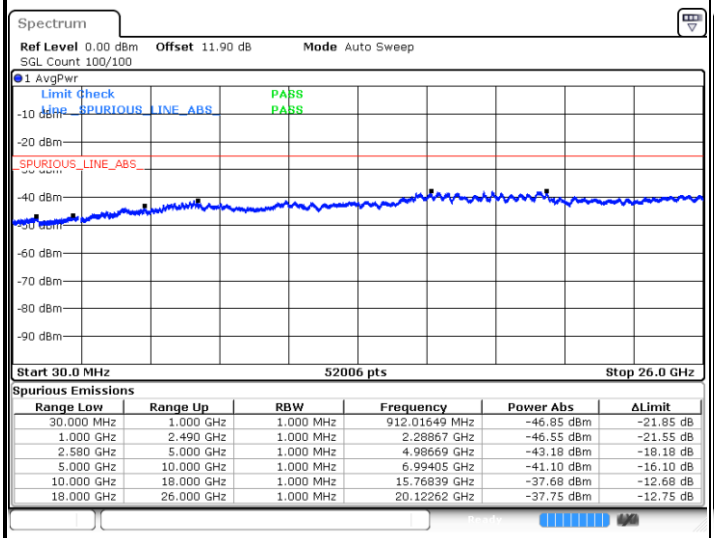



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 932.37631 MHz | -46.88 dBm | -21.88 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.30356 GHz | -46.49 dBm | -21.49 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99589 GHz | -43.45 dBm | -18.45 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98755 GHz | -40.98 dBm | -15.98 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76989 GHz | -38.00 dBm | -13.00 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.77814 GHz | -37.68 dBm | -12.68 dB |

Date: 4.AUG.2017 10:46:16

### Middle Channel / QPSK

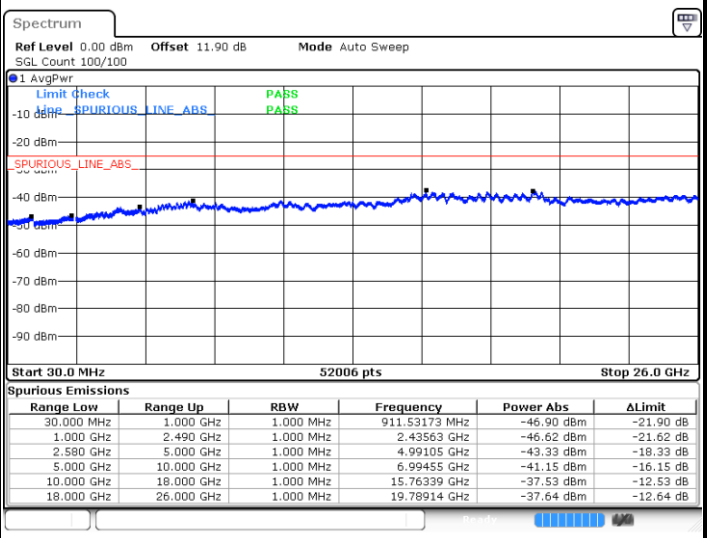



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 912.01649 MHz | -46.85 dBm | -21.85 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.28867 GHz | -46.55 dBm | -21.55 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98669 GHz | -43.18 dBm | -18.18 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99405 GHz | -41.10 dBm | -16.10 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76839 GHz | -37.68 dBm | -12.68 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 20.12262 GHz | -37.75 dBm | -12.75 dB |

Date: 4.AUG.2017 10:47:49

### Middle Channel / 16QAM



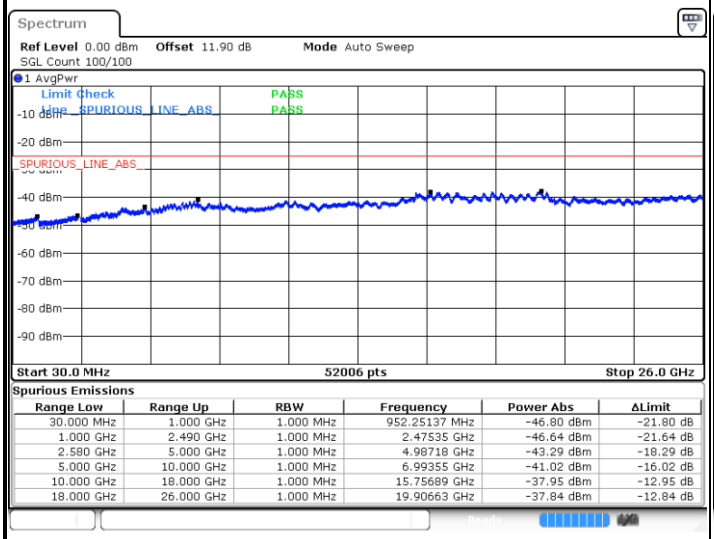

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 911.53173 MHz | -46.90 dBm | -21.90 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.43563 GHz | -46.62 dBm | -21.62 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99105 GHz | -43.33 dBm | -18.33 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99455 GHz | -41.15 dBm | -16.15 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76339 GHz | -37.53 dBm | -12.53 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.78914 GHz | -37.64 dBm | -12.64 dB |

Date: 4.AUG.2017 10:48:43

## LTE Band 7 / 5MHz

### Highest Channel / QPSK

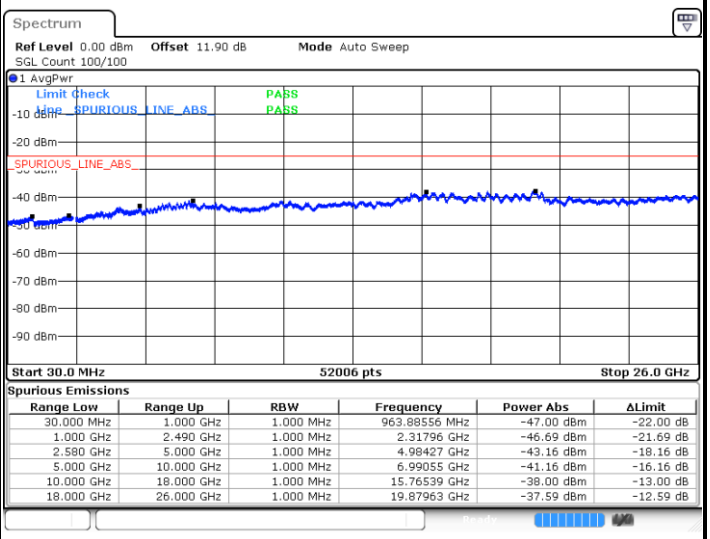



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 952.25137 MHz | -46.80 dBm | -21.80 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47535 GHz | -46.64 dBm | -21.64 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98718 GHz | -43.29 dBm | -18.29 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99355 GHz | -41.02 dBm | -16.02 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75689 GHz | -37.95 dBm | -12.95 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.90663 GHz | -37.84 dBm | -12.84 dB |

Date: 4.AUG.2017 10:54:53

### Highest Channel / 16QAM



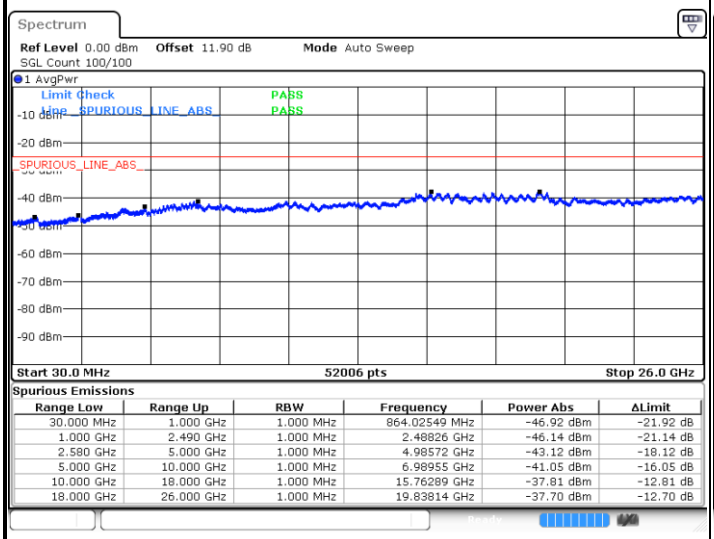

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 963.88556 MHz | -47.00 dBm | -22.00 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.31796 GHz | -46.69 dBm | -21.69 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98427 GHz | -43.16 dBm | -18.16 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99055 GHz | -41.16 dBm | -16.16 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76539 GHz | -38.00 dBm | -13.00 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.87963 GHz | -37.59 dBm | -12.59 dB |

Date: 4.AUG.2017 10:55:46

## LTE Band 7 / 10MHz

### Lowest Channel / QPSK

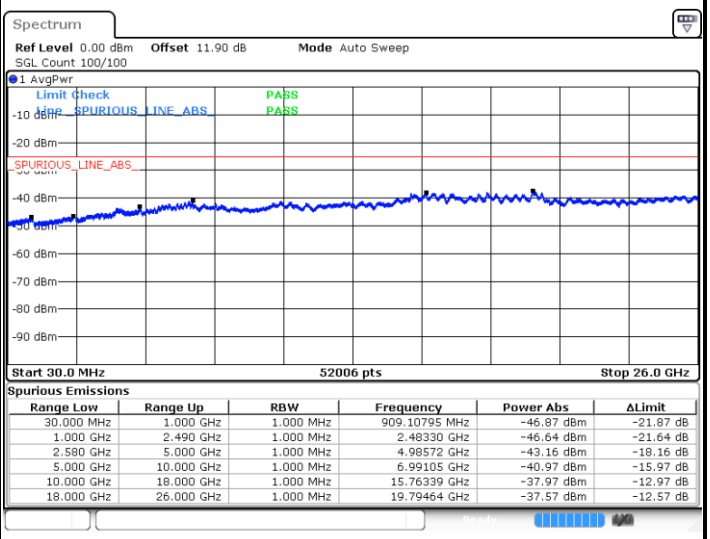



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 864.02549 MHz | -46.92 dBm | -21.92 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48826 GHz | -46.14 dBm | -21.14 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98572 GHz | -43.12 dBm | -18.12 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98955 GHz | -41.05 dBm | -16.05 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76289 GHz | -37.81 dBm | -12.81 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.83814 GHz | -37.70 dBm | -12.70 dB |

Date: 4.AUG.2017 11:01:57

### Lowest Channel / 16QAM



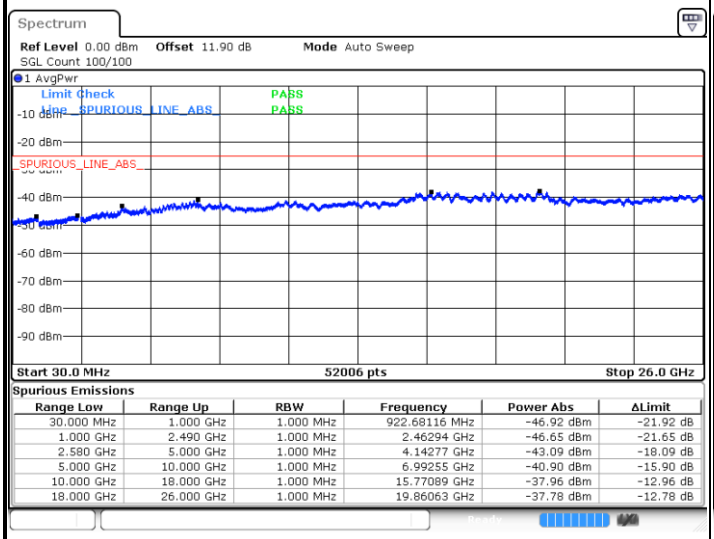

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 909.10795 MHz | -46.87 dBm | -21.87 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48330 GHz | -46.64 dBm | -21.64 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98572 GHz | -43.16 dBm | -18.16 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99105 GHz | -40.97 dBm | -15.97 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76339 GHz | -37.97 dBm | -12.97 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.79464 GHz | -37.57 dBm | -12.57 dB |

Date: 4.AUG.2017 11:02:50

## LTE Band 7 / 10MHz

### Middle Channel / QPSK

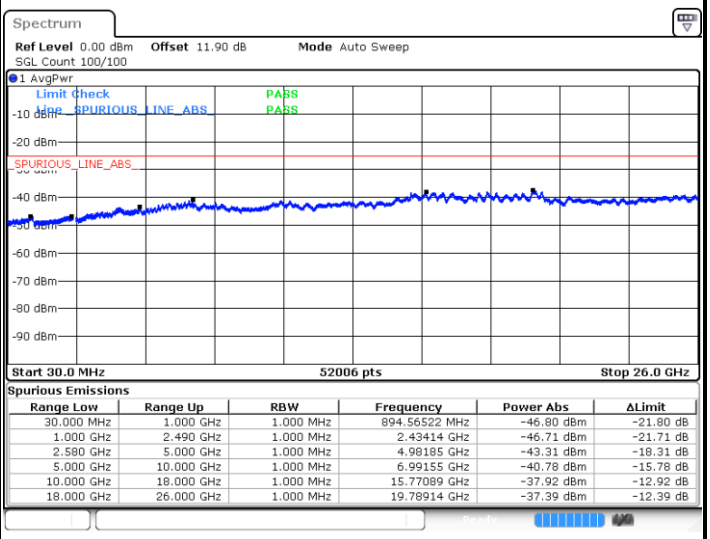



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 922.68116 MHz | -46.92 dBm | -21.92 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46294 GHz | -46.65 dBm | -21.65 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.14277 GHz | -43.09 dBm | -18.09 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99255 GHz | -40.90 dBm | -15.90 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77089 GHz | -37.96 dBm | -12.96 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.86063 GHz | -37.78 dBm | -12.78 dB |

Date: 4.AUG.2017 11:04:23

### Middle Channel / 16QAM

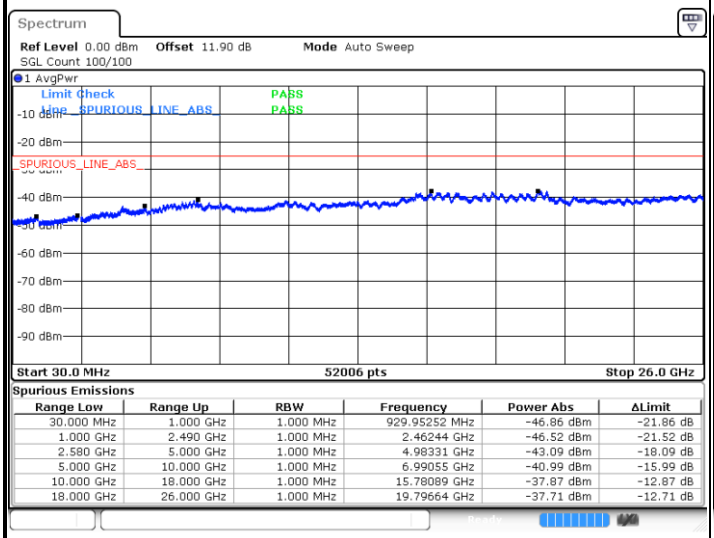



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 894.56522 MHz | -46.80 dBm | -21.80 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.43414 GHz | -46.71 dBm | -21.71 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98185 GHz | -43.31 dBm | -18.31 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99155 GHz | -40.78 dBm | -15.78 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77089 GHz | -37.92 dBm | -12.92 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.78914 GHz | -37.39 dBm | -12.39 dB |

Date: 4.AUG.2017 11:05:17

### Highest Channel / QPSK

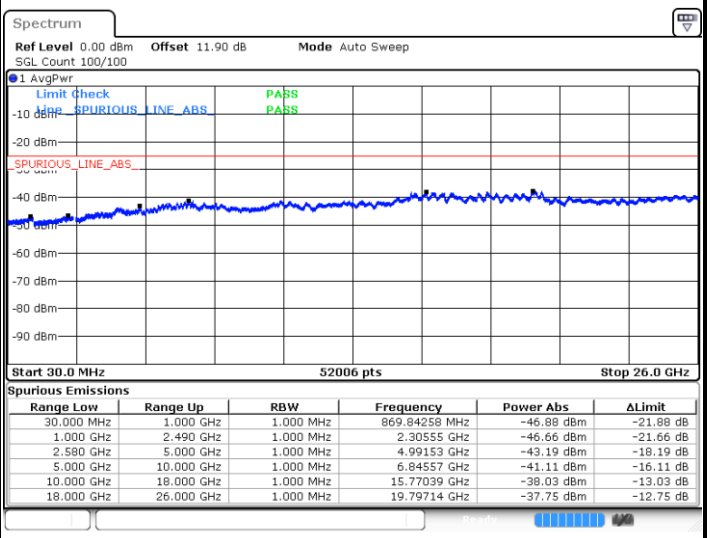



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 929.95252 MHz | -46.86 dBm | -21.86 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46244 GHz | -46.52 dBm | -21.52 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98331 GHz | -43.09 dBm | -18.09 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99055 GHz | -40.99 dBm | -15.99 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.78089 GHz | -37.87 dBm | -12.87 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.79664 GHz | -37.71 dBm | -12.71 dB |

Date: 4.AUG.2017 11:11:27

### Highest Channel / 16QAM



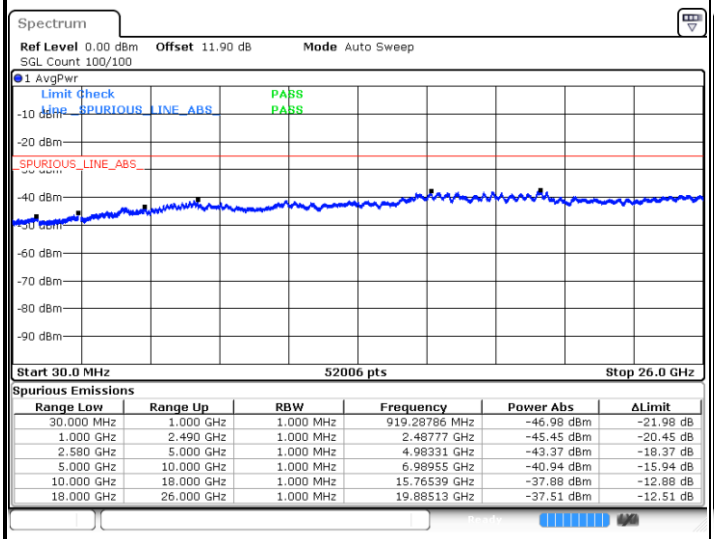

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 869.84258 MHz | -46.88 dBm | -21.88 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.30555 GHz | -46.66 dBm | -21.66 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99153 GHz | -43.19 dBm | -18.19 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.84557 GHz | -41.11 dBm | -16.11 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77039 GHz | -38.03 dBm | -13.03 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.79714 GHz | -37.75 dBm | -12.75 dB |

Date: 4.AUG.2017 11:12:20

## LTE Band 7 / 15MHz

### Lowest Channel / QPSK

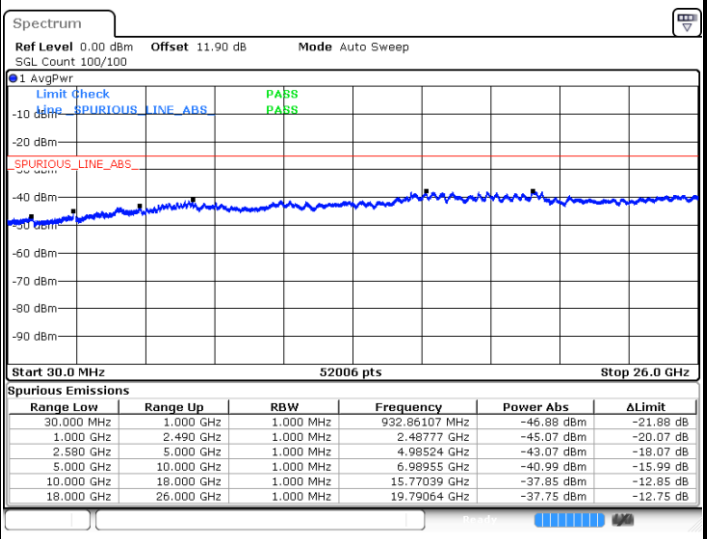



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 919.28786 MHz | -46.98 dBm | -21.98 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -45.45 dBm | -20.45 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98331 GHz | -43.37 dBm | -18.37 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98955 GHz | -40.94 dBm | -15.94 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76539 GHz | -37.88 dBm | -12.88 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.88513 GHz | -37.51 dBm | -12.51 dB |

Date: 4.AUG.2017 11:18:31

### Lowest Channel / 16QAM

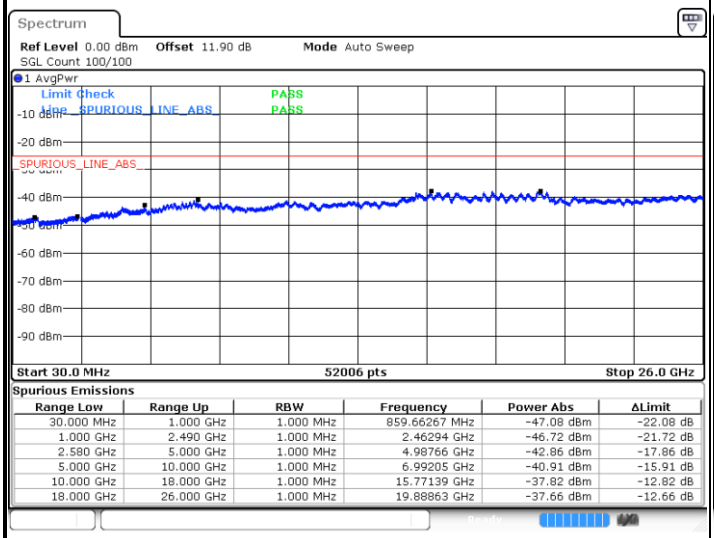



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 932.86107 MHz | -46.88 dBm | -21.88 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -45.07 dBm | -20.07 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98524 GHz | -43.07 dBm | -18.07 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98955 GHz | -40.99 dBm | -15.99 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77039 GHz | -37.85 dBm | -12.85 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.79064 GHz | -37.75 dBm | -12.75 dB |

Date: 4.AUG.2017 11:19:24

### Middle Channel / QPSK

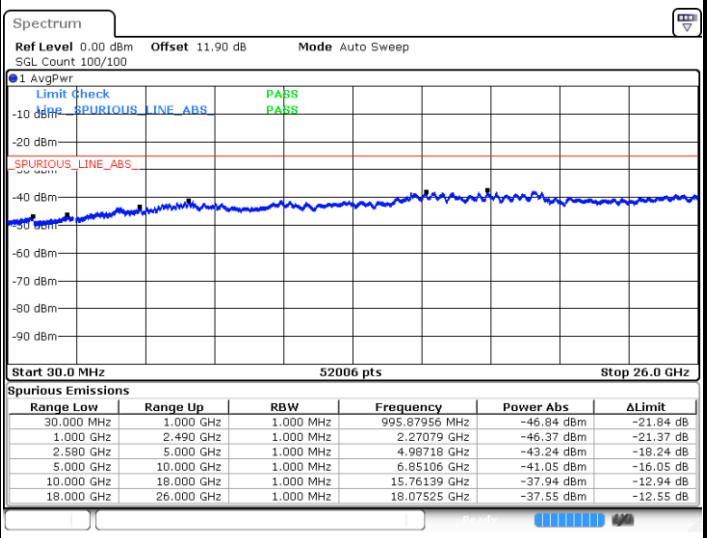



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 859.66267 MHz | -47.08 dBm | -22.08 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46294 GHz | -46.72 dBm | -21.72 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98766 GHz | -42.86 dBm | -17.86 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99205 GHz | -40.91 dBm | -15.91 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77139 GHz | -37.82 dBm | -12.82 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.88863 GHz | -37.66 dBm | -12.66 dB |

Date: 4.AUG.2017 11:20:57

### Middle Channel / 16QAM



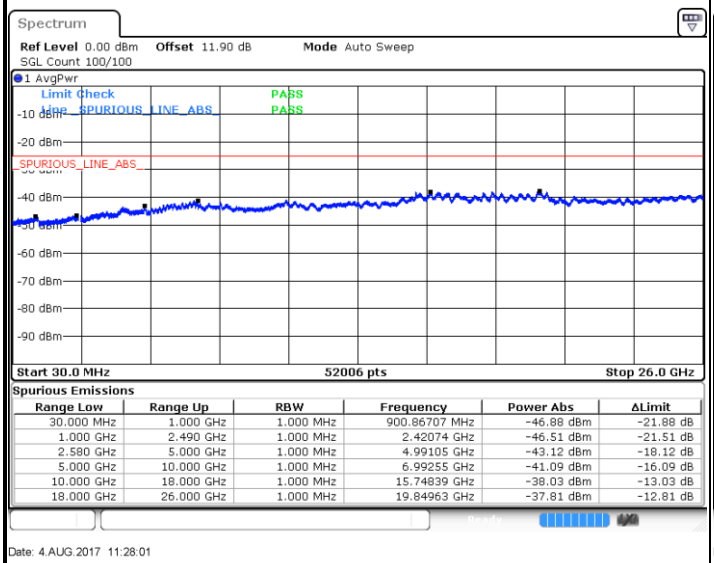

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 995.87956 MHz | -46.84 dBm | -21.84 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.27079 GHz | -46.37 dBm | -21.37 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98718 GHz | -43.24 dBm | -18.24 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.85106 GHz | -41.05 dBm | -16.05 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76139 GHz | -37.94 dBm | -12.94 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.07525 GHz | -37.55 dBm | -12.55 dB |

Date: 4.AUG.2017 11:21:50

## LTE Band7 / 15MHz

### Highest Channel / QPSK

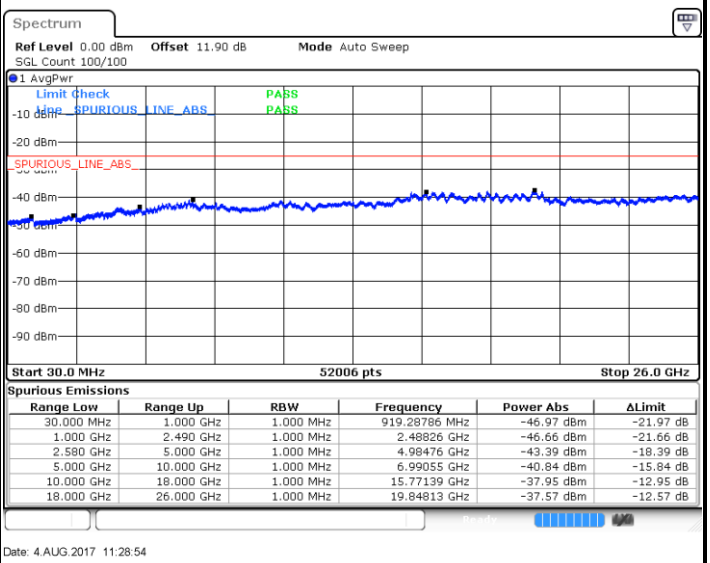



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 900.86707 MHz | -46.88 dBm | -21.88 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.42074 GHz | -46.51 dBm | -21.51 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99105 GHz | -43.12 dBm | -18.12 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99255 GHz | -41.09 dBm | -16.09 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.74839 GHz | -38.03 dBm | -13.03 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.84963 GHz | -37.81 dBm | -12.81 dB |

Date: 4.AUG.2017 11:28:01

### Highest Channel / 16QAM



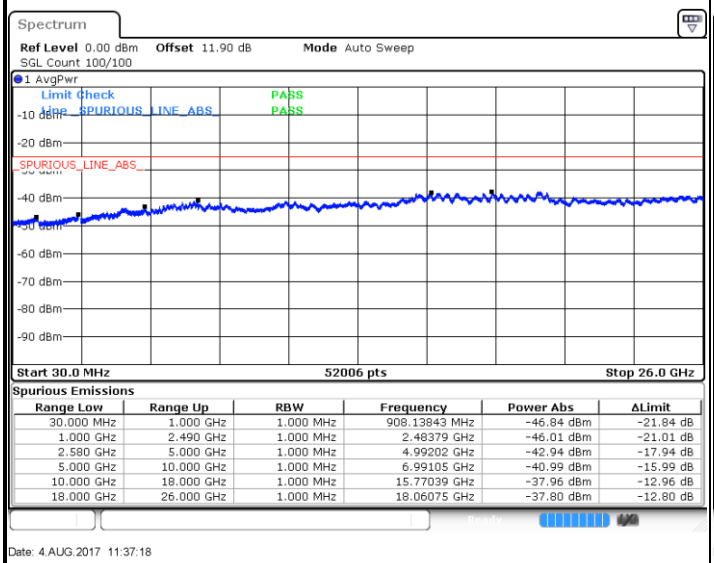

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 919.28786 MHz | -46.97 dBm | -21.97 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48826 GHz | -46.66 dBm | -21.66 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98476 GHz | -43.39 dBm | -18.39 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99055 GHz | -40.84 dBm | -15.84 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77139 GHz | -37.95 dBm | -12.95 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.84813 GHz | -37.57 dBm | -12.57 dB |

Date: 4.AUG.2017 11:28:54

## LTE Band 7 / 20MHz

### Lowest Channel / QPSK

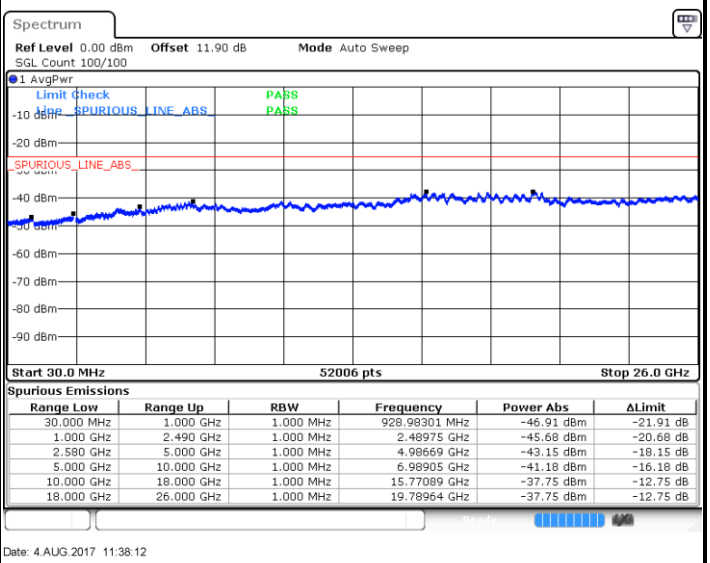



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 908.13843 MHz | -46.84 dBm | -21.84 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48379 GHz | -46.01 dBm | -21.01 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99202 GHz | -42.94 dBm | -17.94 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99105 GHz | -40.99 dBm | -15.99 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77039 GHz | -37.96 dBm | -12.96 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.06075 GHz | -37.80 dBm | -12.80 dB |

Date: 4.AUG.2017 11:37:18

### Lowest Channel / 16QAM



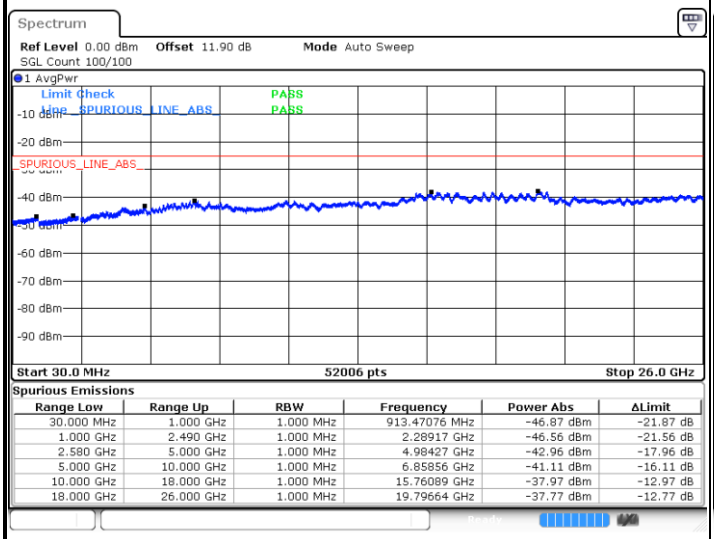

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 928.98301 MHz | -46.91 dBm | -21.91 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48975 GHz | -45.68 dBm | -20.68 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98669 GHz | -43.15 dBm | -18.15 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98905 GHz | -41.18 dBm | -16.18 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77089 GHz | -37.75 dBm | -12.75 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.78964 GHz | -37.75 dBm | -12.75 dB |

Date: 4.AUG.2017 11:38:12

## LTE Band 7 / 20MHz

### Middle Channel / QPSK

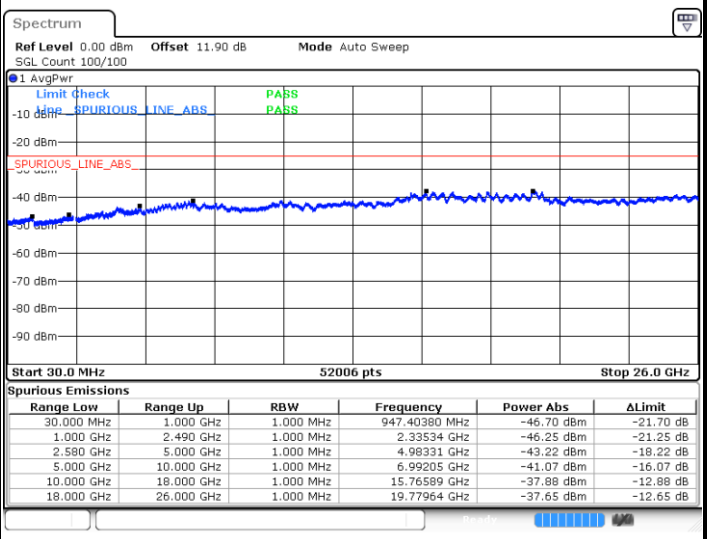



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 913.47076 MHz | -46.87 dBm | -21.87 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.28917 GHz | -46.56 dBm | -21.56 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98427 GHz | -42.96 dBm | -17.96 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.85856 GHz | -41.11 dBm | -16.11 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76089 GHz | -37.97 dBm | -12.97 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.79664 GHz | -37.77 dBm | -12.77 dB |

Date: 4.AUG.2017 11:39:45

### Middle Channel / 16QAM

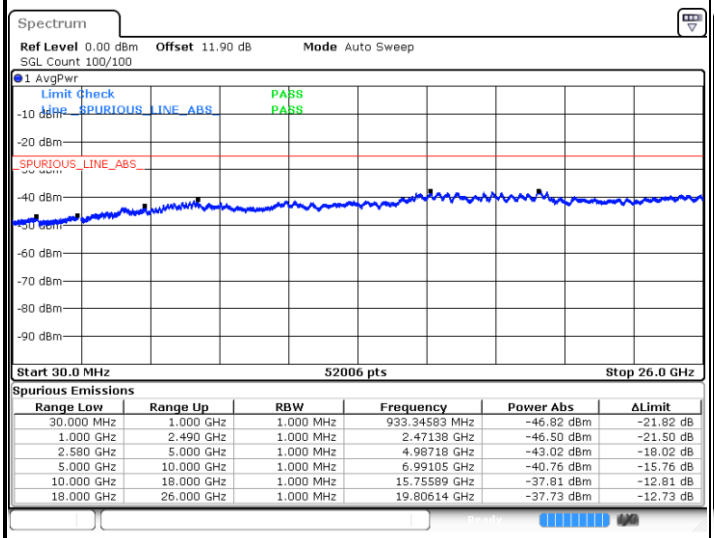



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 947.40380 MHz | -46.70 dBm | -21.70 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.33534 GHz | -46.25 dBm | -21.25 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98331 GHz | -43.22 dBm | -18.22 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99205 GHz | -41.07 dBm | -16.07 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76589 GHz | -37.88 dBm | -12.88 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.77964 GHz | -37.65 dBm | -12.65 dB |

Date: 4.AUG.2017 11:40:38

### Highest Channel / QPSK

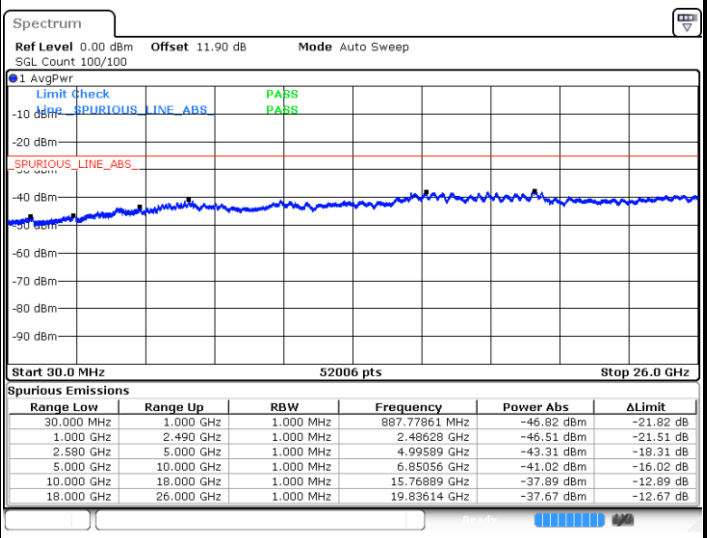



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 933.34583 MHz | -46.82 dBm | -21.82 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47138 GHz | -46.50 dBm | -21.50 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98718 GHz | -43.02 dBm | -18.02 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99105 GHz | -40.76 dBm | -15.76 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75589 GHz | -37.81 dBm | -12.81 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.80614 GHz | -37.73 dBm | -12.73 dB |

Date: 4.AUG.2017 11:46:49

### Highest Channel / 16QAM



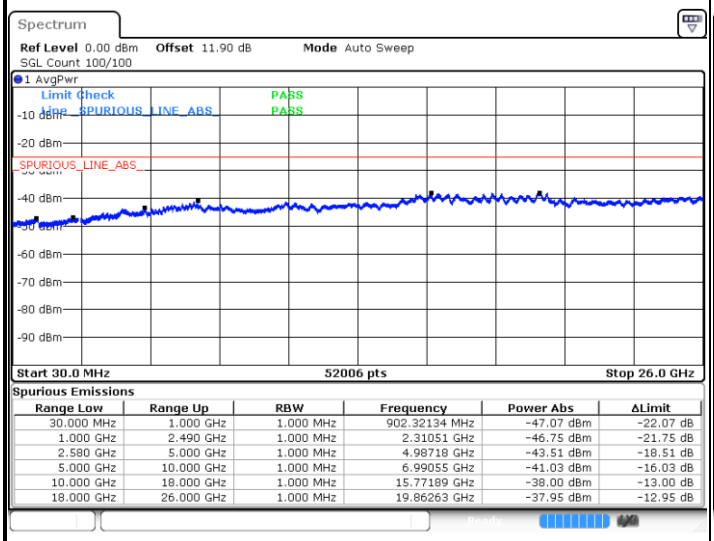

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 887.77861 MHz | -46.82 dBm | -21.82 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48628 GHz | -46.51 dBm | -21.51 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99589 GHz | -43.31 dBm | -18.31 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.85056 GHz | -41.02 dBm | -16.02 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76889 GHz | -37.89 dBm | -12.89 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.83614 GHz | -37.67 dBm | -12.67 dB |

Date: 4.AUG.2017 11:47:42

## LTE Band 7 / 5MHz

### Lowest Channel / 64QAM

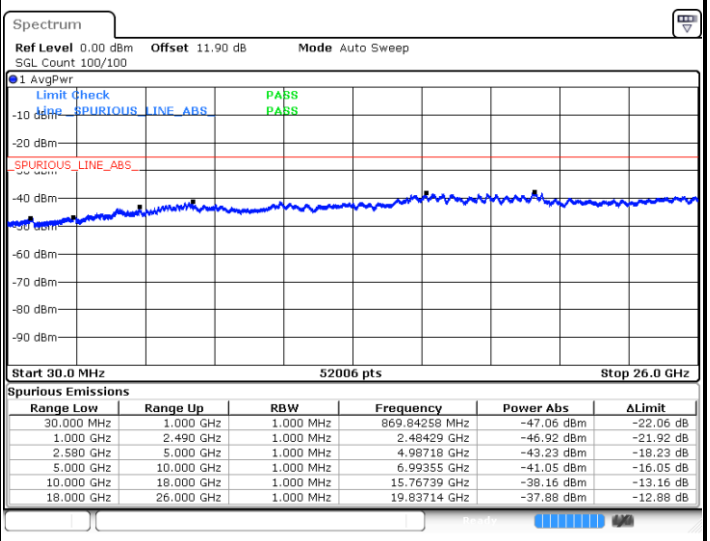



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 902.32134 MHz | -47.07 dBm | -22.07 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.31051 GHz | -46.75 dBm | -21.75 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98718 GHz | -43.51 dBm | -18.51 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99055 GHz | -41.03 dBm | -16.03 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77189 GHz | -38.00 dBm | -13.00 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.86263 GHz | -37.95 dBm | -12.95 dB |

Date: 11.OCT.2017 13:25:57

### Middle Channel / 64QAM

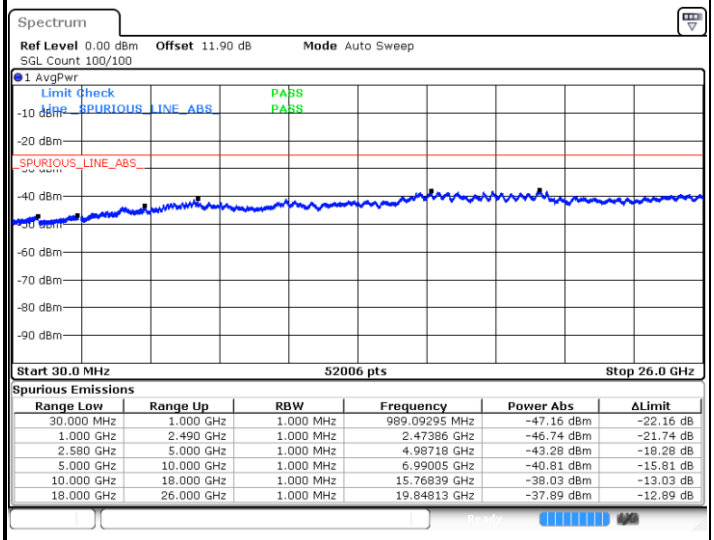



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 869.84258 MHz | -47.06 dBm | -22.06 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48429 GHz | -46.92 dBm | -21.92 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98718 GHz | -43.23 dBm | -18.23 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99355 GHz | -41.05 dBm | -16.05 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76739 GHz | -38.16 dBm | -13.16 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.83714 GHz | -37.88 dBm | -12.88 dB |

Date: 11.OCT.2017 13:27:10

### Highest Channel / 64QAM



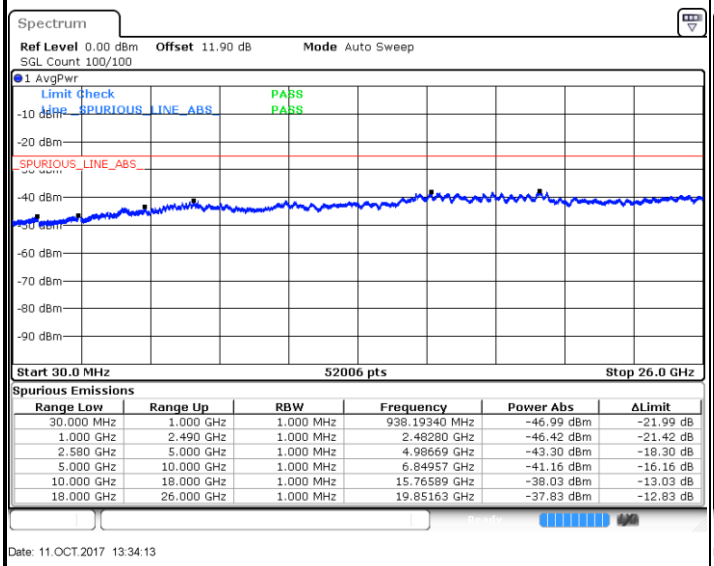

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 989.09295 MHz | -47.16 dBm | -22.16 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47386 GHz | -46.74 dBm | -21.74 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98718 GHz | -43.28 dBm | -18.28 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99005 GHz | -40.81 dBm | -15.81 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76839 GHz | -38.03 dBm | -13.03 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.84813 GHz | -37.89 dBm | -12.89 dB |

Date: 11.OCT.2017 13:30:42

## LTE Band 7 / 10MHz

### Lowest Channel / 64QAM

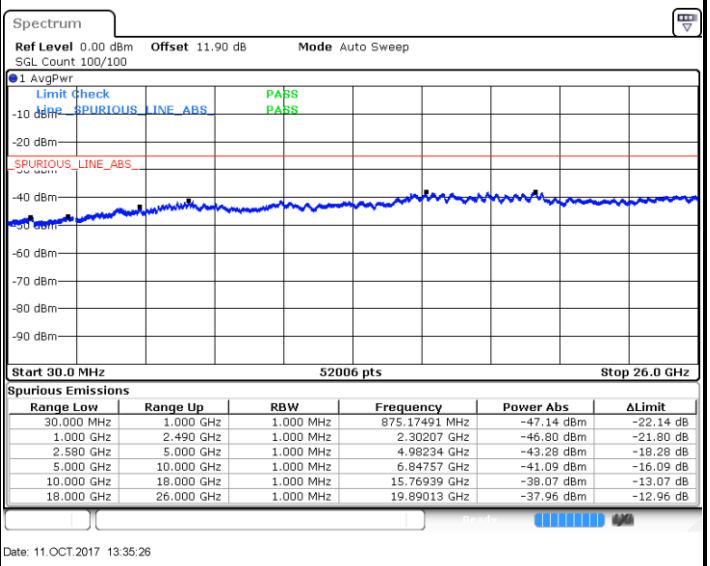



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 938.19340 MHz | -46.99 dBm | -21.99 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48280 GHz | -46.42 dBm | -21.42 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98669 GHz | -43.30 dBm | -18.30 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.84957 GHz | -41.16 dBm | -16.16 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76589 GHz | -38.03 dBm | -13.03 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.85163 GHz | -37.83 dBm | -12.83 dB |

Date: 11.OCT.2017 13:34:13

### Middle Channel / 64QAM

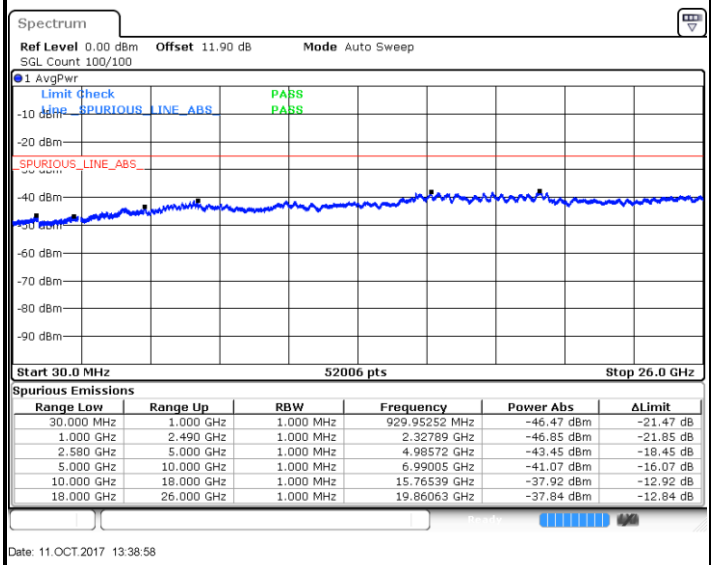



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 875.17491 MHz | -47.14 dBm | -22.14 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.30207 GHz | -46.80 dBm | -21.80 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98234 GHz | -43.28 dBm | -18.28 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.84757 GHz | -41.09 dBm | -16.09 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76939 GHz | -38.07 dBm | -13.07 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.89013 GHz | -37.96 dBm | -12.96 dB |

Date: 11.OCT.2017 13:35:26

### Highest Channel / 64QAM



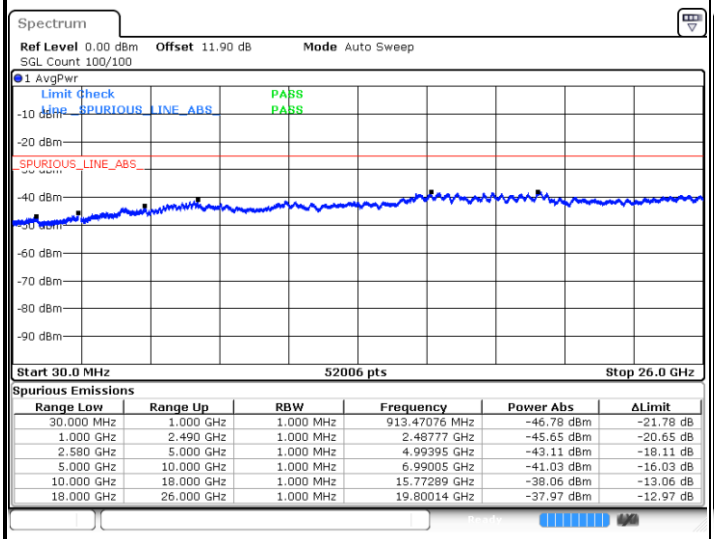

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 929.95252 MHz | -46.47 dBm | -21.47 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.32789 GHz | -46.85 dBm | -21.85 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98572 GHz | -43.45 dBm | -18.45 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99005 GHz | -41.07 dBm | -16.07 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76539 GHz | -37.92 dBm | -12.92 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.86063 GHz | -37.84 dBm | -12.84 dB |

Date: 11.OCT.2017 13:38:58

## LTE Band 7 / 15MHz

### Lowest Channel / 64QAM

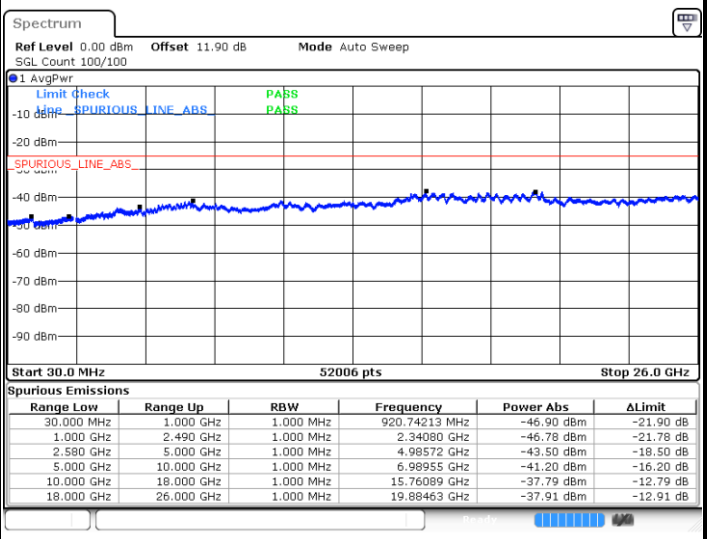



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 913.47076 MHz | -46.78 dBm | -21.78 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -45.65 dBm | -20.65 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99395 GHz | -43.11 dBm | -18.11 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99005 GHz | -41.03 dBm | -16.03 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77289 GHz | -38.06 dBm | -13.06 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.80014 GHz | -37.97 dBm | -12.97 dB |

Date: 11.OCT.2017 13:42:30

### Middle Channel / 64QAM

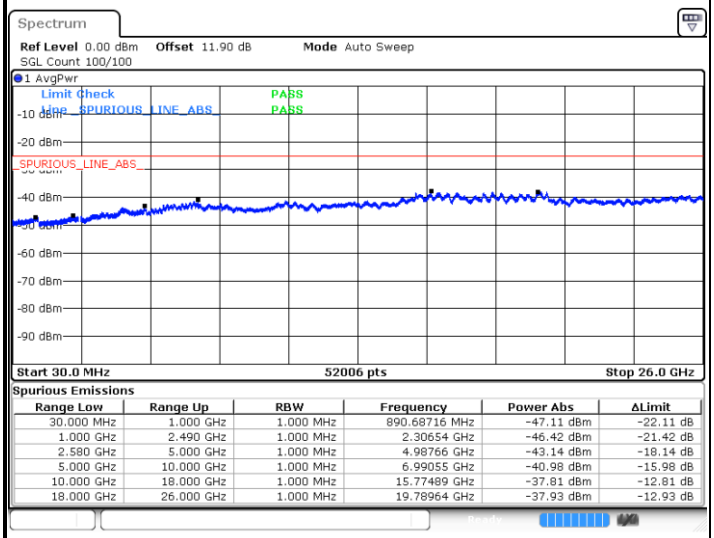



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 920.74213 MHz | -46.90 dBm | -21.90 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.34080 GHz | -46.78 dBm | -21.78 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98572 GHz | -43.50 dBm | -18.50 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98955 GHz | -41.20 dBm | -16.20 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76089 GHz | -37.79 dBm | -12.79 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.88463 GHz | -37.91 dBm | -12.91 dB |

Date: 11.OCT.2017 13:43:43

### Highest Channel / 64QAM



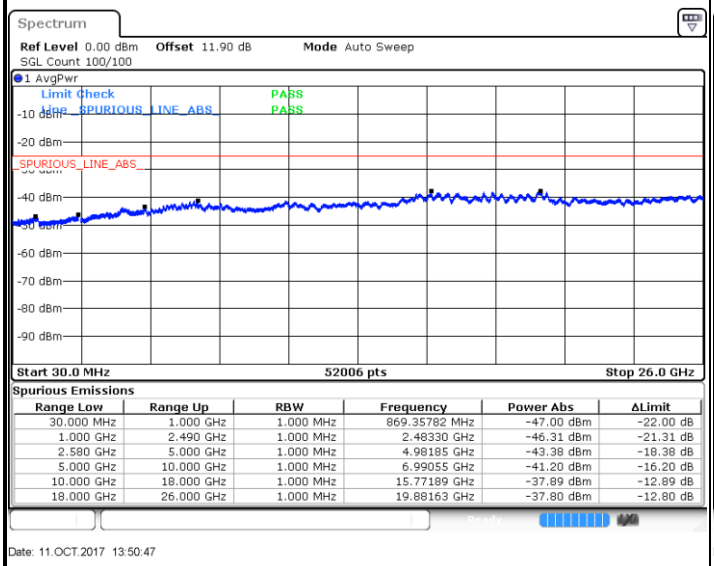

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 890.68716 MHz | -47.11 dBm | -22.11 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.30654 GHz | -46.42 dBm | -21.42 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98766 GHz | -43.14 dBm | -18.14 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99055 GHz | -40.98 dBm | -15.98 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77489 GHz | -37.81 dBm | -12.81 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.78964 GHz | -37.93 dBm | -12.93 dB |

Date: 11.OCT.2017 13:47:15

## 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 | 869.35782 MHz | -47.00 dBm | -22.00 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48330 GHz | -46.31 dBm | -21.31 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98185 GHz | -43.38 dBm | -18.38 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.99055 GHz | -41.20 dBm | -16.20 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77189 GHz | -37.89 dBm | -12.89 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.88163 GHz | -37.80 dBm | -12.80 dB |

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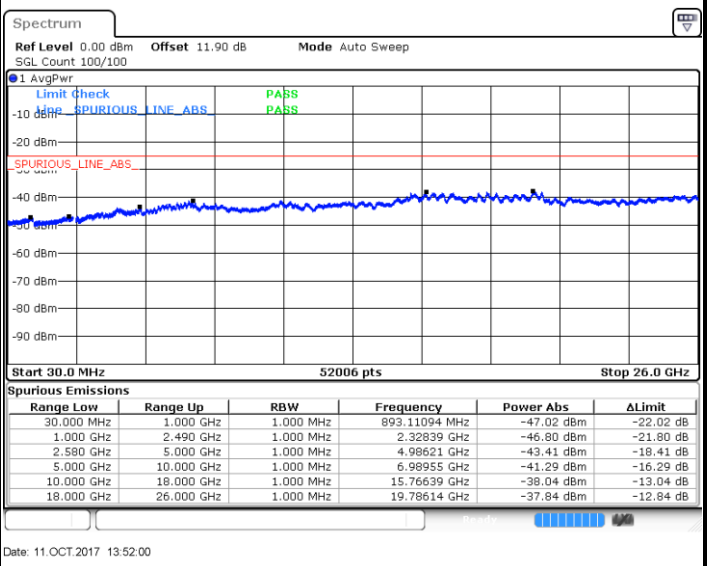
### Middle Channel / 64QAM

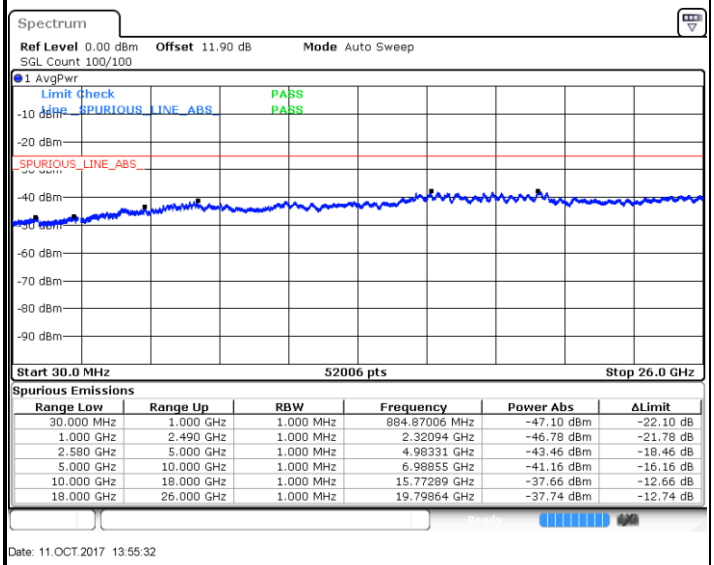



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 893.11094 MHz | -47.02 dBm | -22.02 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.32839 GHz | -46.80 dBm | -21.80 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98621 GHz | -43.41 dBm | -18.41 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98955 GHz | -41.29 dBm | -16.29 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.76639 GHz | -38.04 dBm | -13.04 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.78614 GHz | -37.84 dBm | -12.84 dB |

Date: 11.OCT.2017 13:52:00

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 884.87006 MHz | -47.10 dBm | -22.10 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.32094 GHz | -46.78 dBm | -21.78 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.98331 GHz | -43.46 dBm | -18.46 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.98855 GHz | -41.16 dBm | -16.16 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.77289 GHz | -37.66 dBm | -12.66 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.79864 GHz | -37.74 dBm | -12.74 dB |

Date: 11.OCT.2017 13:55:32

# 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 | 0.0011 | PASS |
| 40 | Normal Voltage | 0.0014 | |
| 30 | Normal Voltage | 0.0008 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0002 | |
| 0 | Normal Voltage | 0.0018 | |
| -10 | Normal Voltage | 0.0009 | |
| -20 | Normal Voltage | 0.0031 | |
| -30 | Normal Voltage | 0.0015 | |
| 20 | Maximum Voltage | 0.0018 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0027 | |

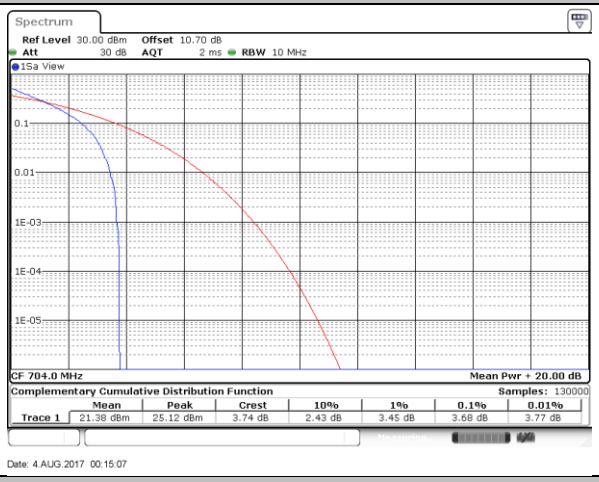
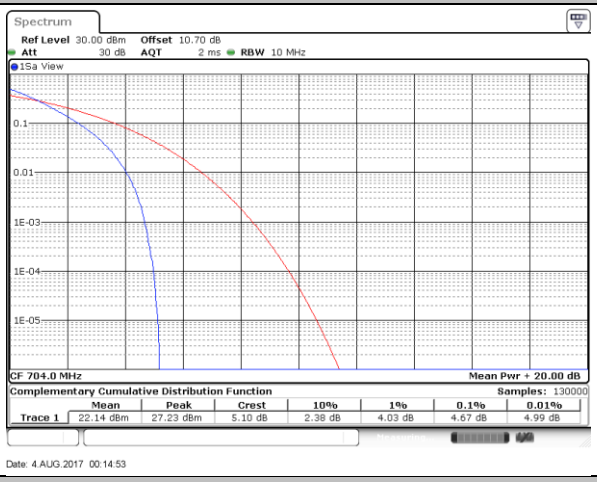
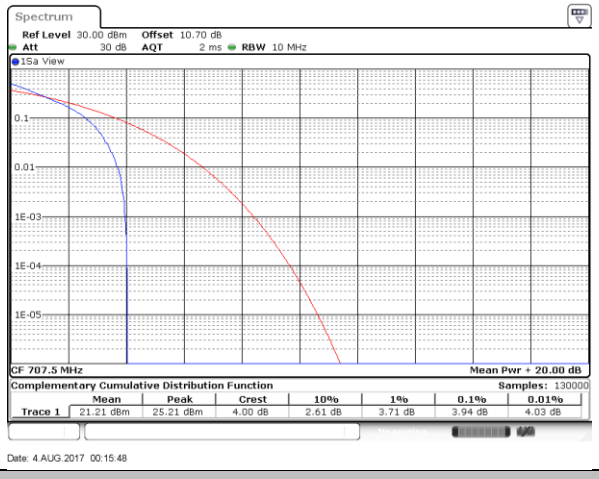
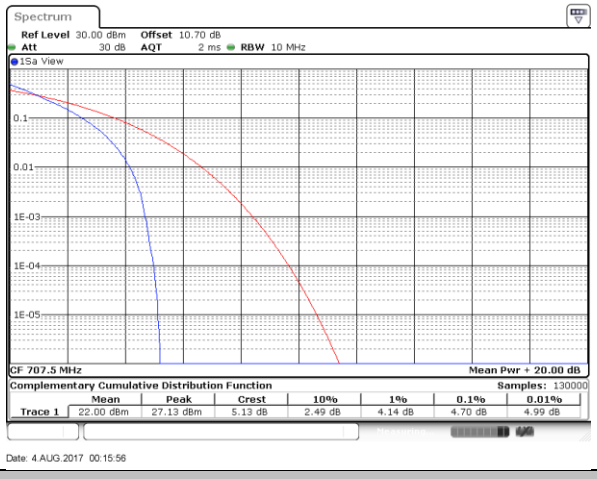
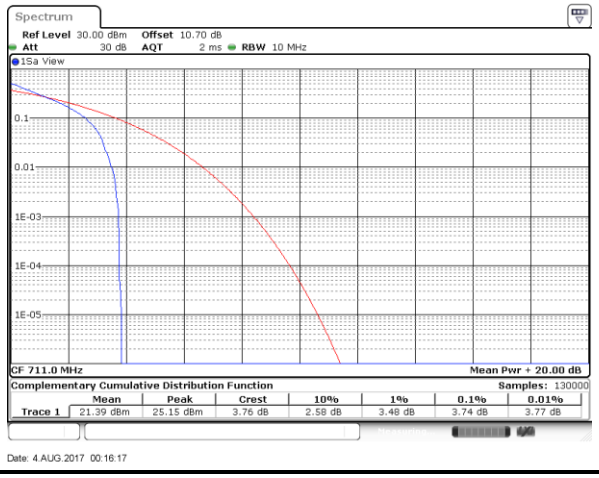
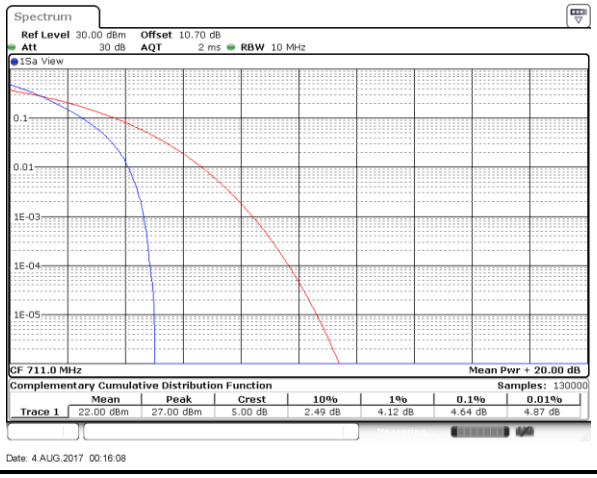
**Note:**

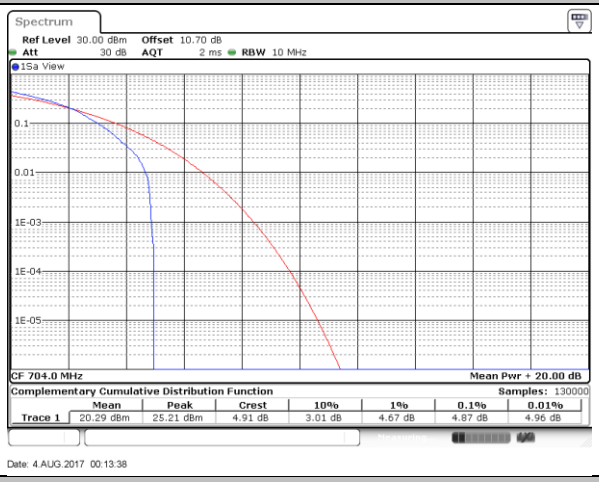
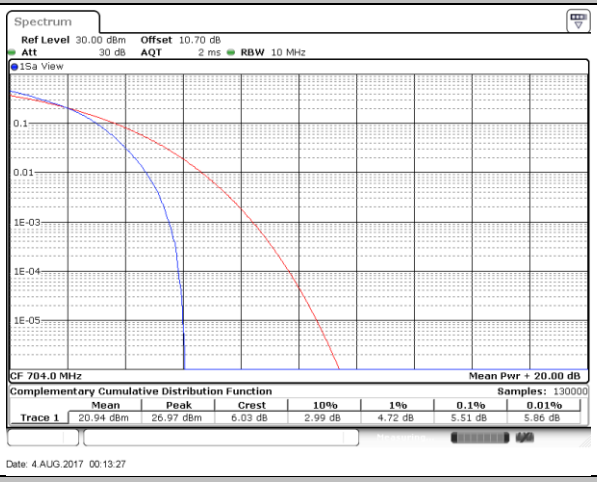
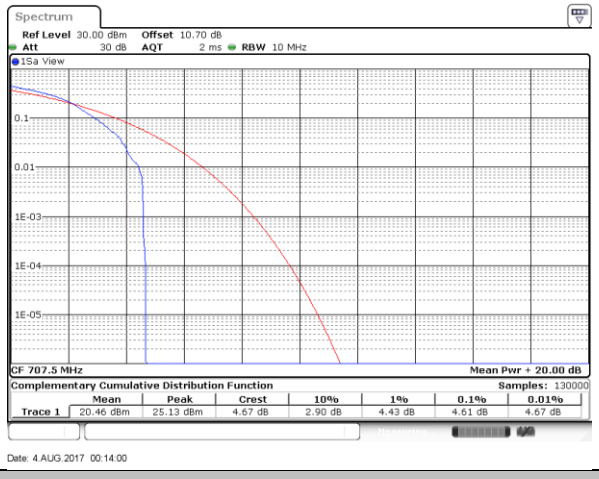
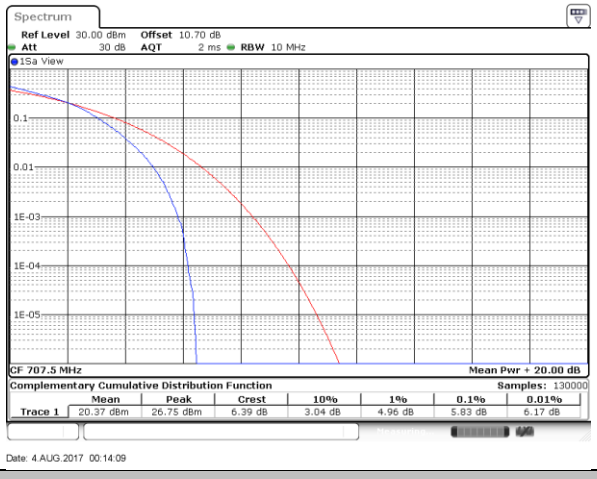
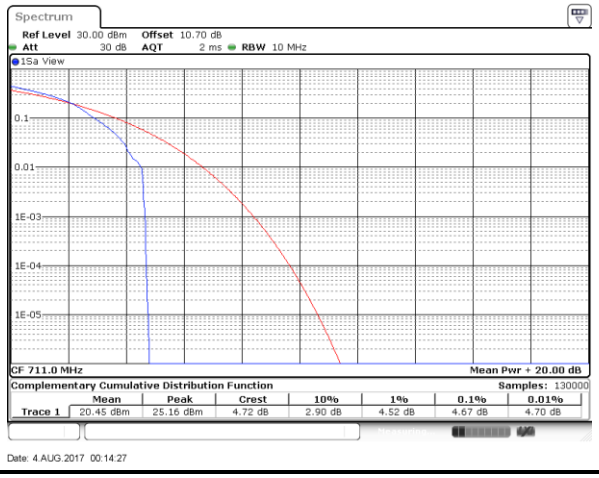
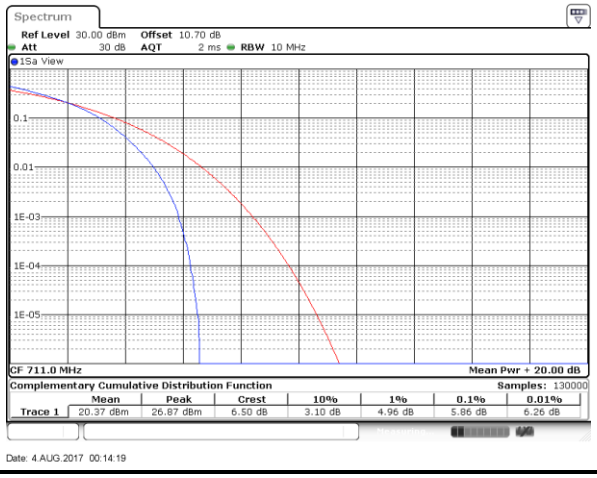
1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

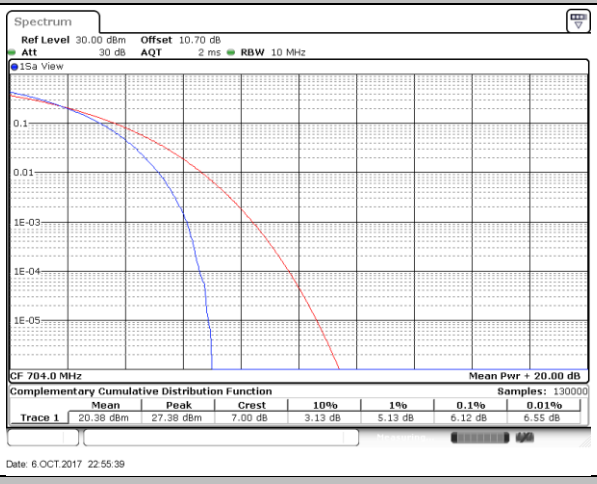
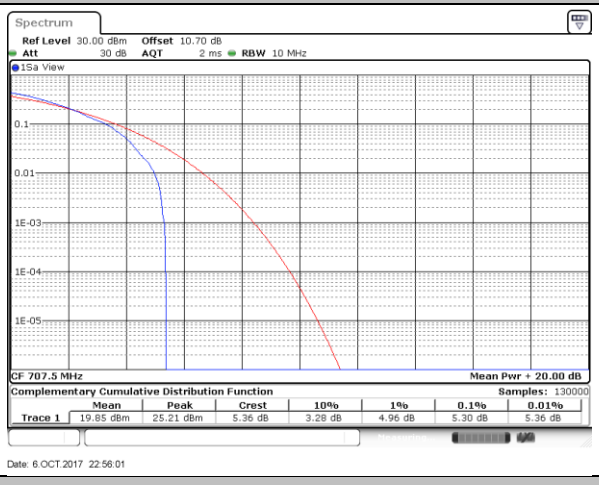
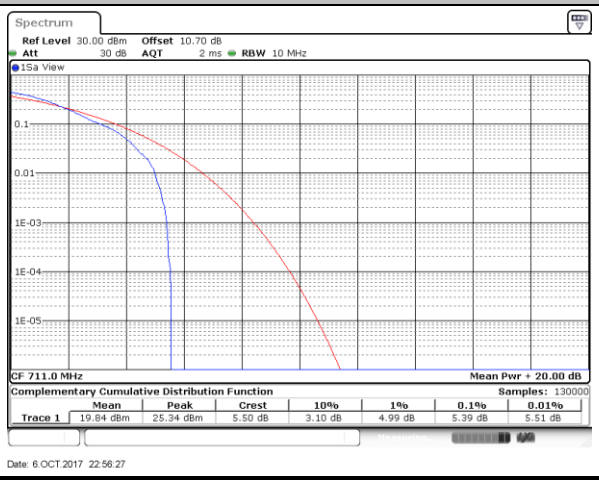
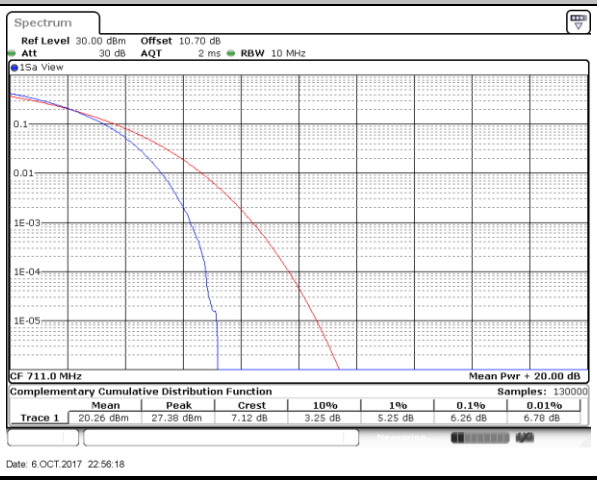
# LTE Band 12

## 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 | 3.68 | 4.67 | 4.87 | 5.51 | PASS |
| Middle CH | 3.94 | 4.7 | 4.61 | 5.83 | |
| Highest CH | 3.74 | 4.64 | 4.67 | 5.86 | |
| Mode | LTE Band 12 / 10MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.57 | 6.12 | - | - | PASS |
| Middle CH | 5.3 | 6.12 | - | - | |
| Highest CH | 5.39 | 6.26 | - | - | |

| 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** |
|  |  |

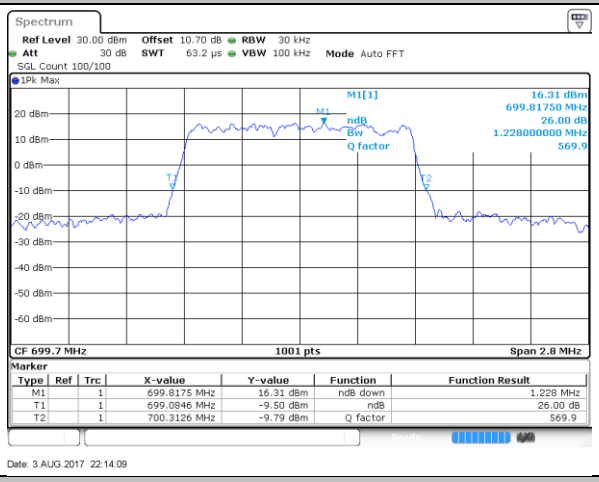
| LTE Band 12 / 10MHz / 64QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
| |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  | |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

# 26dB Bandwidth

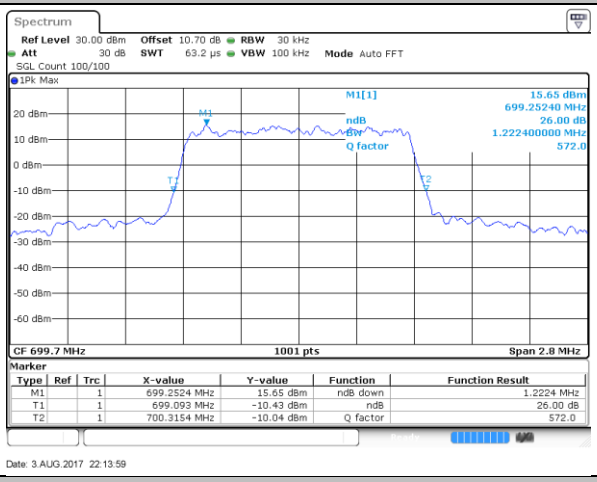
| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.23 | 1.22 | 2.99 | 3.00 | 4.92 | 4.91 | 9.75 | 9.73 | - | - | - | - |
| Middle CH | 1.23 | 1.23 | 3.02 | 3.05 | 4.90 | 4.96 | 9.79 | 9.67 | - | - | - | - |
| Highest CH | 1.25 | 1.27 | 3.04 | 3.09 | 4.90 | 4.86 | 9.69 | 9.71 | - | - | - | - |
| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.23 | - | 3.02 | - | 4.89 | - | 9.75 | - | - | - | - | - |
| Middle CH | 1.21 | - | 3.01 | - | 4.84 | - | 9.71 | - | - | - | - | - |
| Highest CH | 1.23 | - | 3.03 | - | 4.91 | - | 9.85 | - | - | - | - | - |

## LTE Band 12

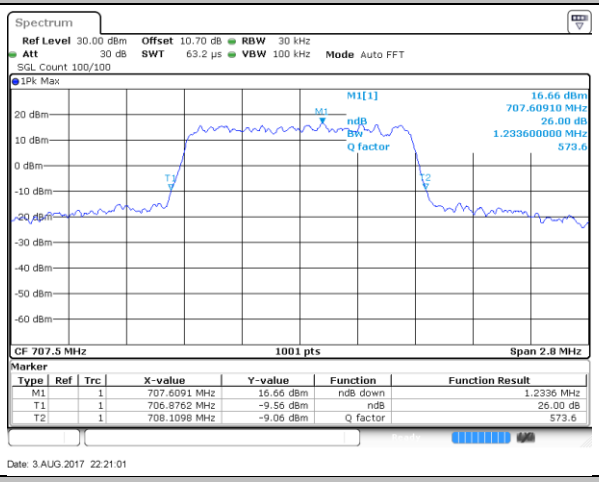
### Lowest Channel / 1.4MHz / QPSK



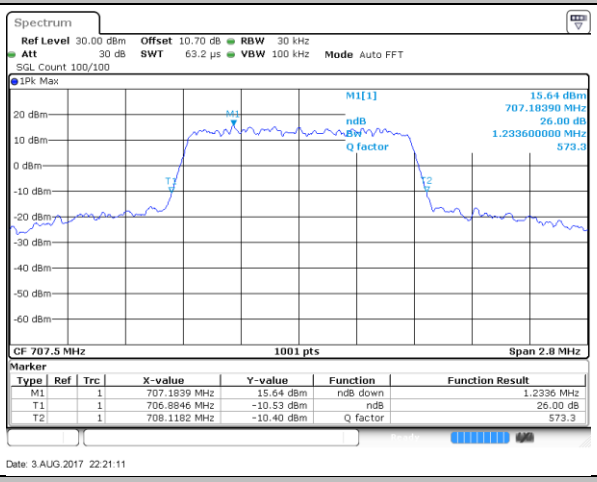

### Lowest Channel / 1.4MHz / 16QAM



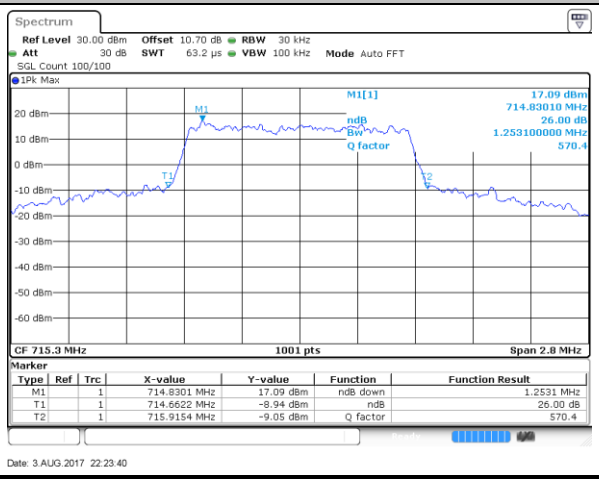

### Middle Channel / 1.4MHz / QPSK



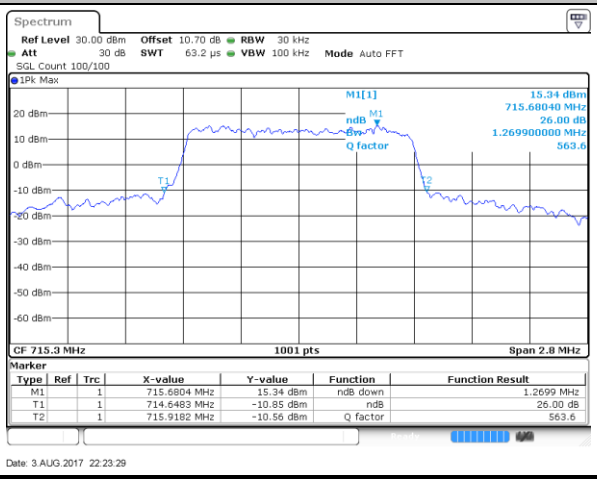

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

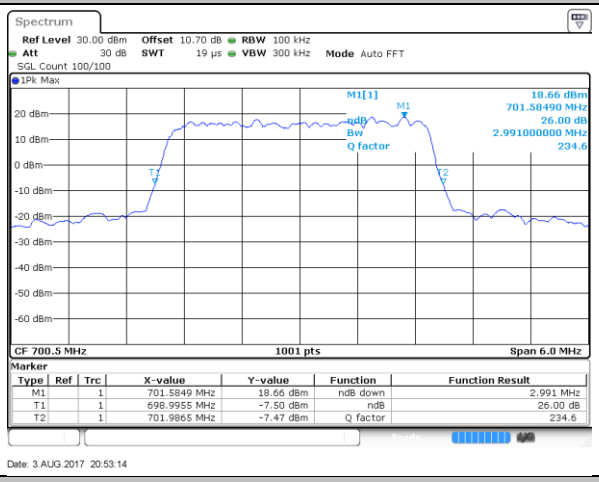



### Highest Channel / 1.4MHz / 16QAM

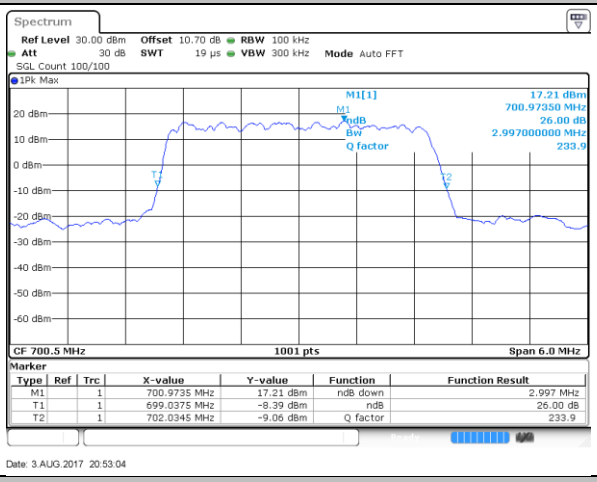


## LTE Band 12

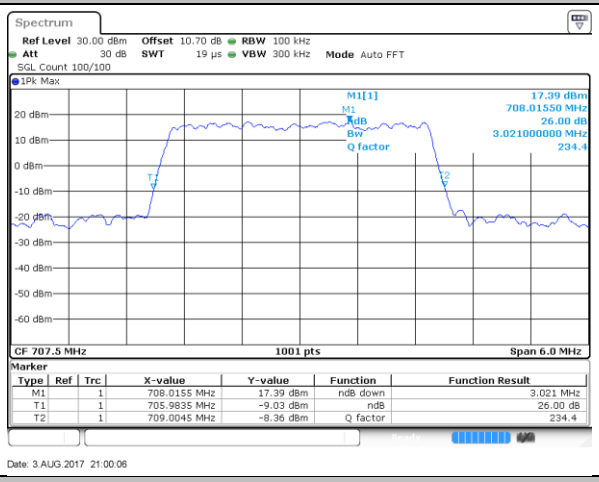
### Lowest Channel / 3MHz / QPSK



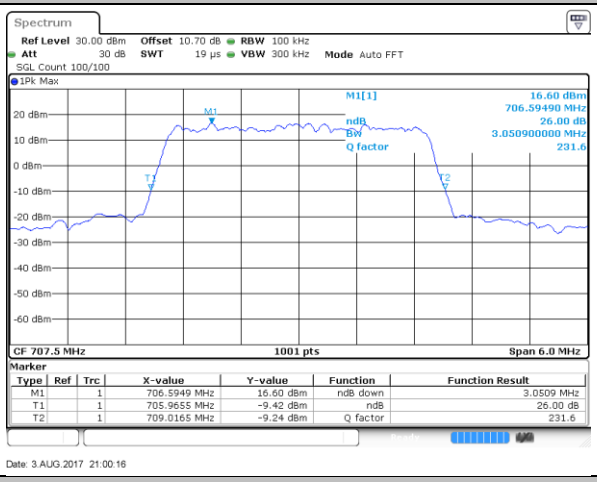

### Lowest Channel / 3MHz / 16QAM



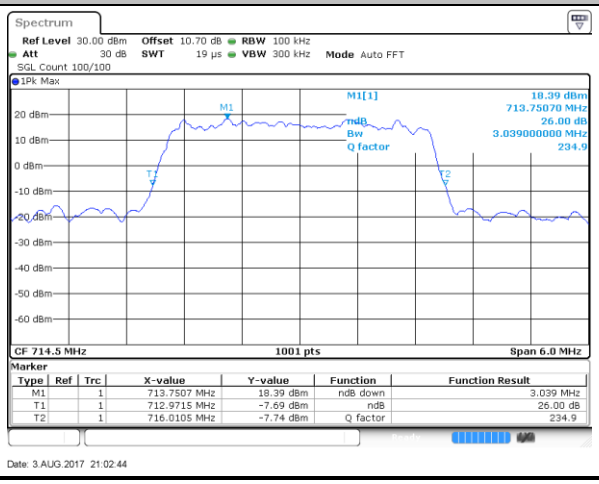

### Middle Channel / 3MHz / QPSK



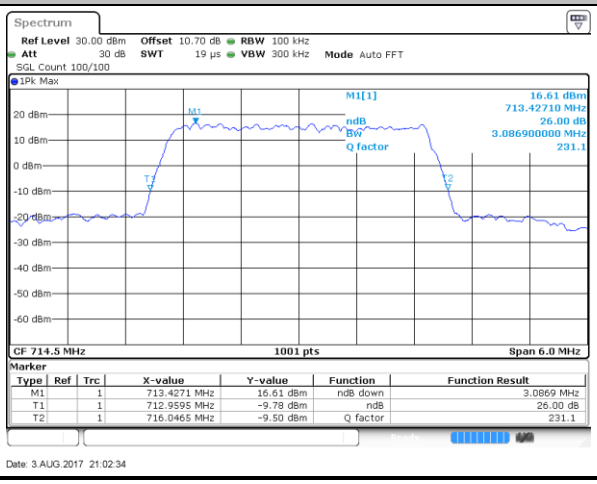

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

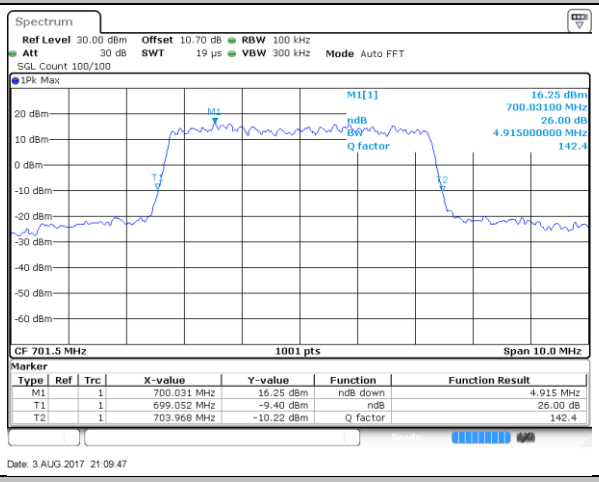



### Highest Channel / 3MHz / 16QAM

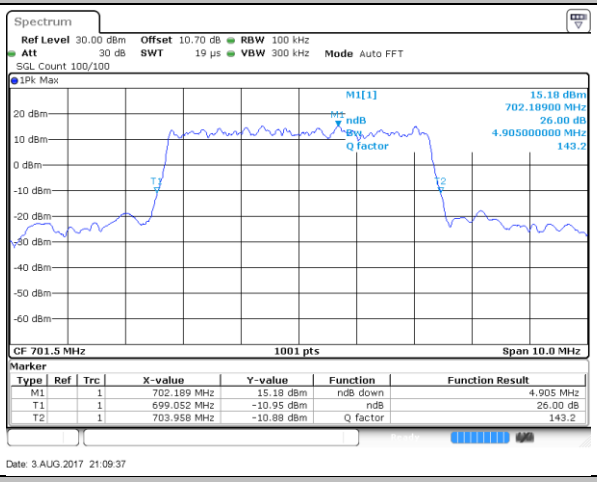


## LTE Band 12

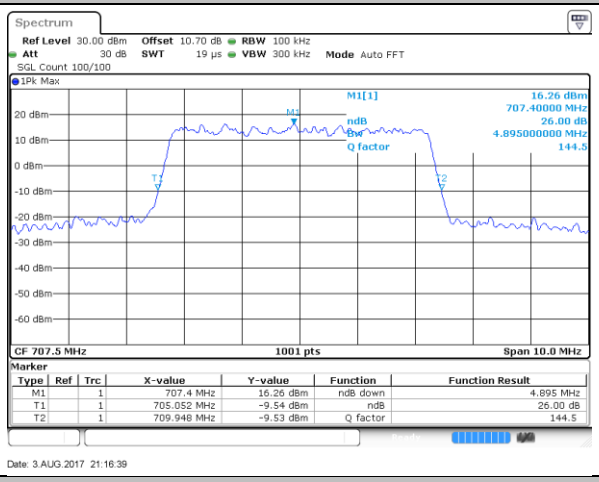
### Lowest Channel / 5MHz / QPSK



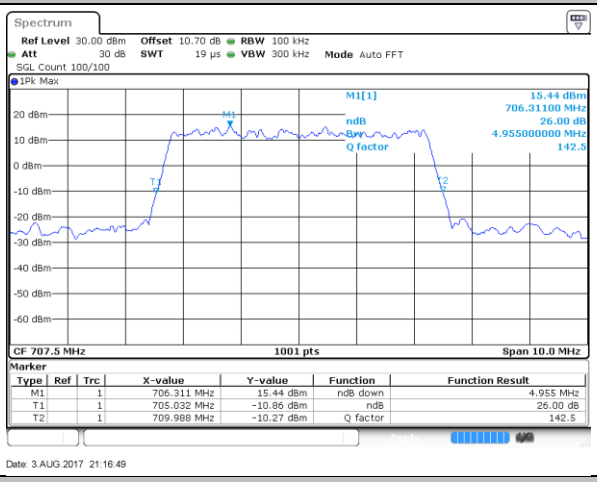

### Lowest Channel / 5MHz / 16QAM



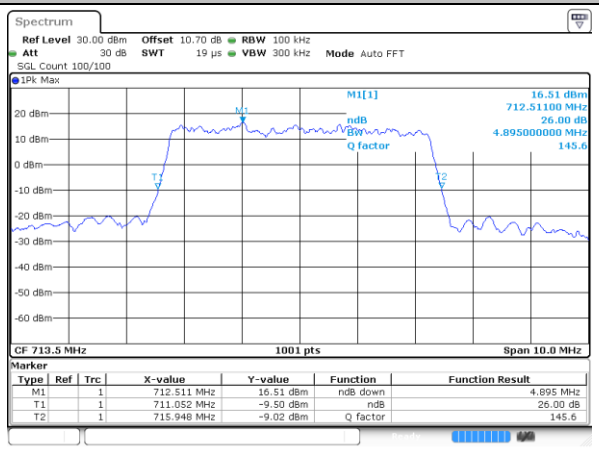

### Middle Channel / 5MHz / QPSK

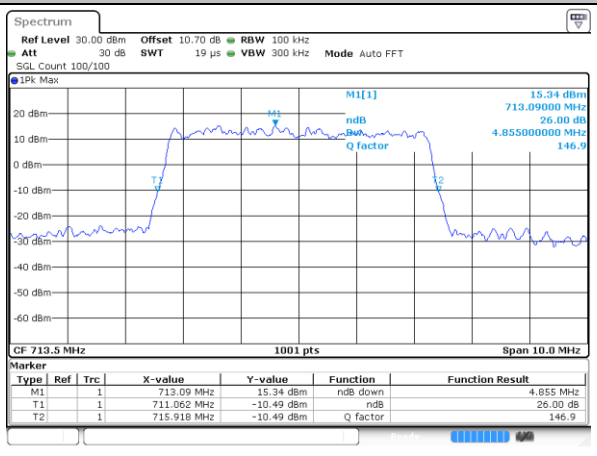



### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK




### Highest Channel / 5MHz / 16QAM