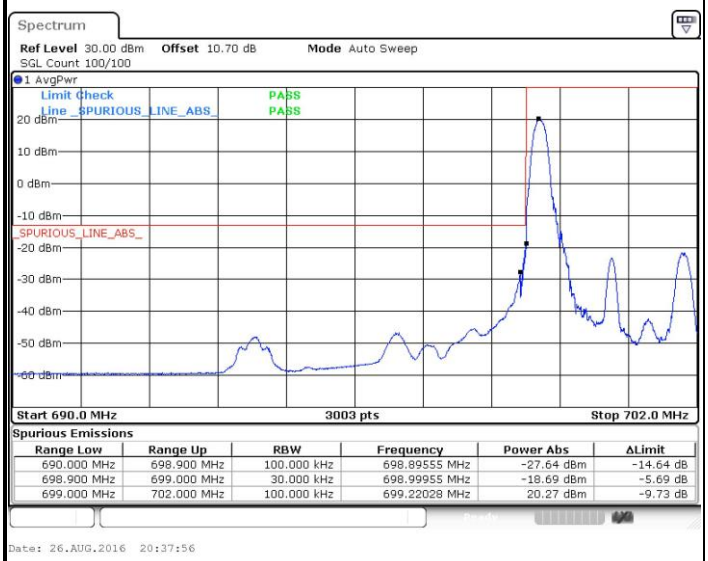
## LTE Band 12 / 3MHz / QPSK

### Lowest Band Edge / 1RB

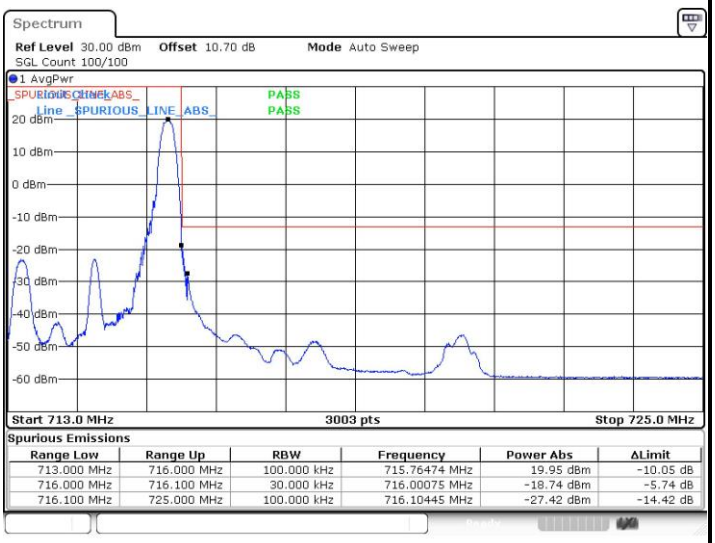



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -27.64 dBm | -14.64 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99955 MHz | -18.69 dBm | -5.69 dB |
| 699.000 MHz | 702.000 MHz | 100.000 kHz | 699.22028 MHz | 20.27 dBm | -9.73 dB |

Date: 26.AUG.2016 20:37:56

### Highest Band Edge / 1 RB

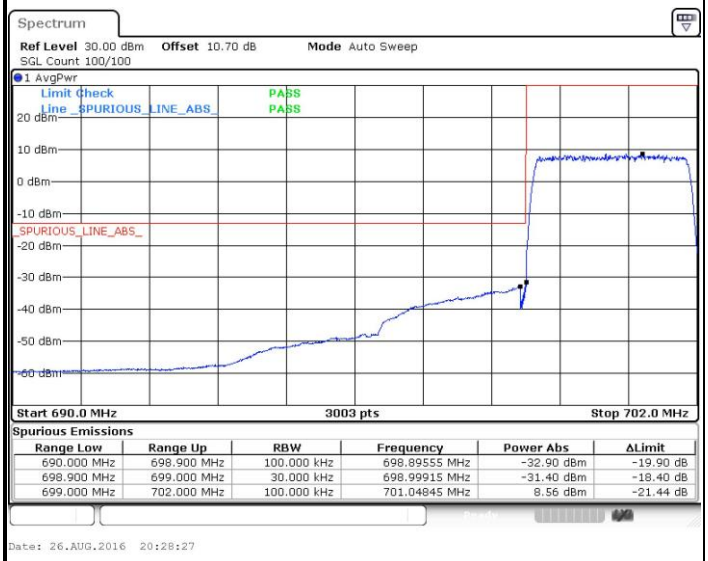



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 713.000 MHz | 716.000 MHz | 100.000 kHz | 715.76474 MHz | 19.95 dBm | -10.05 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00075 MHz | -18.74 dBm | -5.74 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -27.42 dBm | -14.42 dB |

Date: 26.AUG.2016 20:56:02

### Lowest Band Edge / Full RB

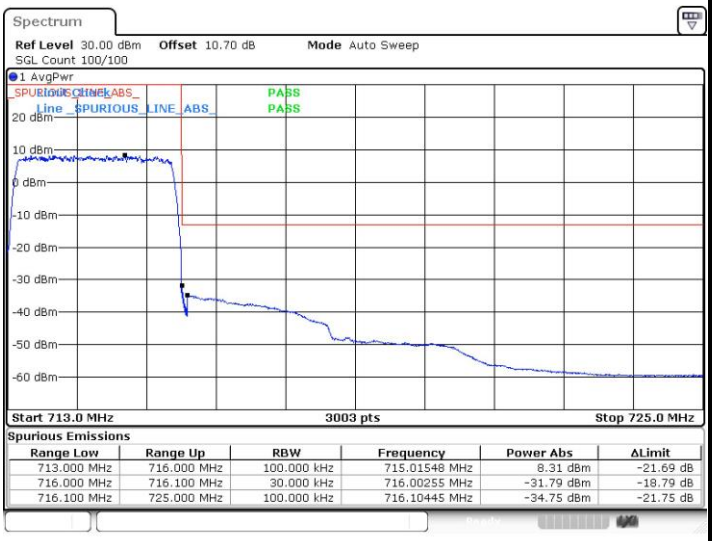



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -32.90 dBm | -19.90 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99915 MHz | -31.40 dBm | -18.40 dB |
| 699.000 MHz | 702.000 MHz | 100.000 kHz | 701.04845 MHz | 8.56 dBm | -21.44 dB |

Date: 26.AUG.2016 20:28:27

### Highest Band Edge / Full RB



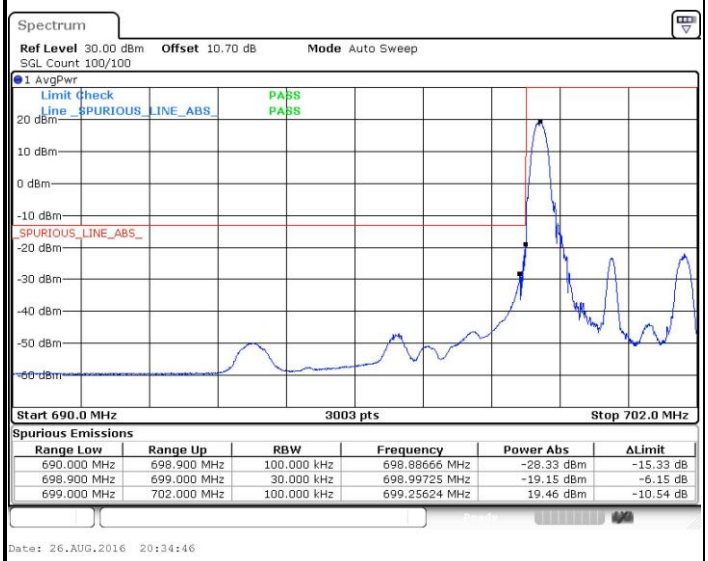

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 713.000 MHz | 716.000 MHz | 100.000 kHz | 715.01548 MHz | 8.31 dBm | -21.69 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00255 MHz | -31.79 dBm | -18.79 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -34.75 dBm | -21.75 dB |

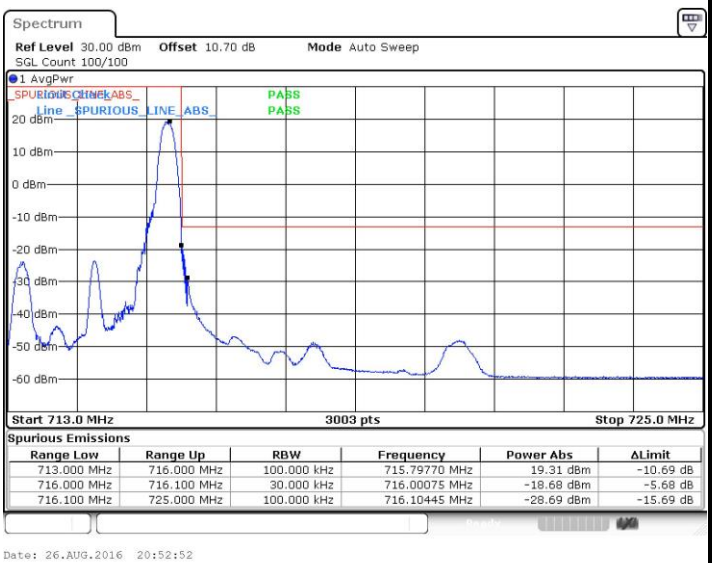
Date: 26.AUG.2016 20:46:33

## LTE Band 12 / 3MHz / 16QAM

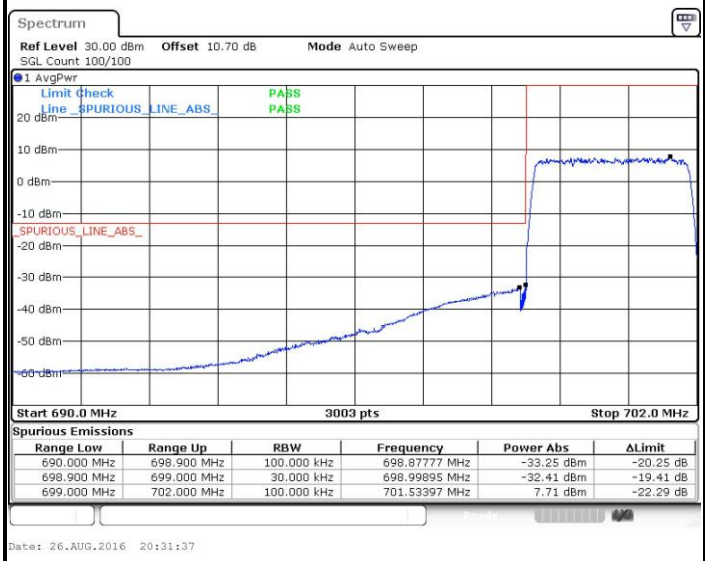
### Lowest Band Edge / 1 RB



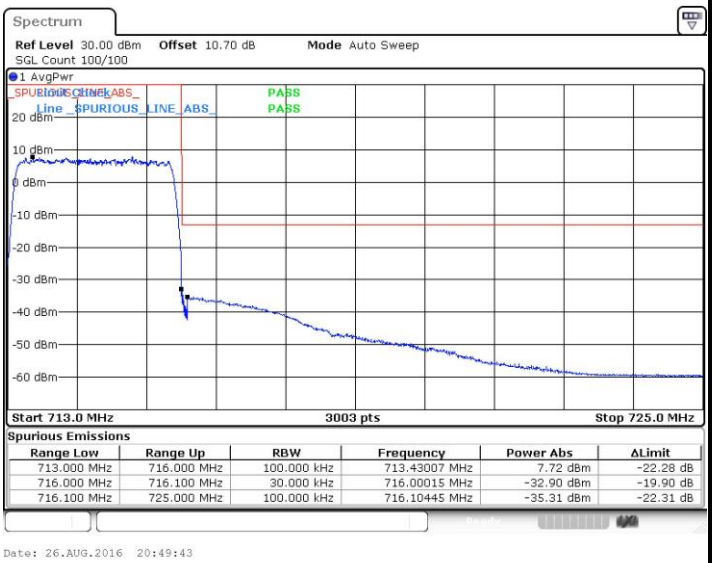

### Highest Band Edge / 1 RB

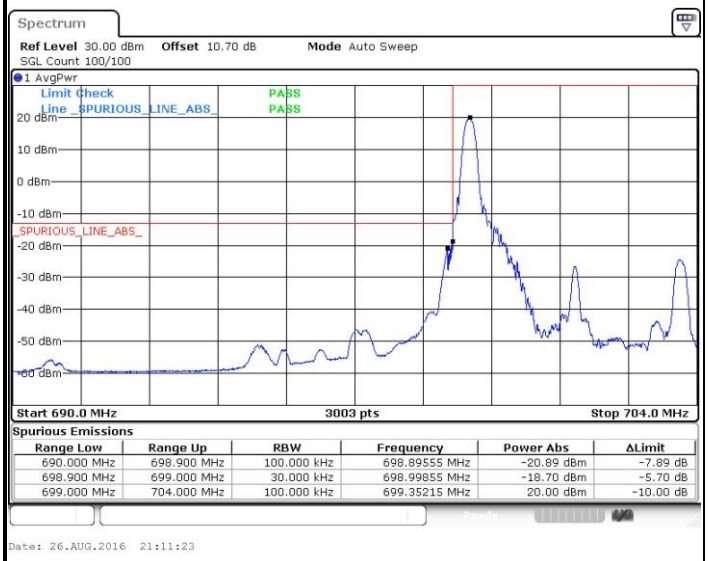
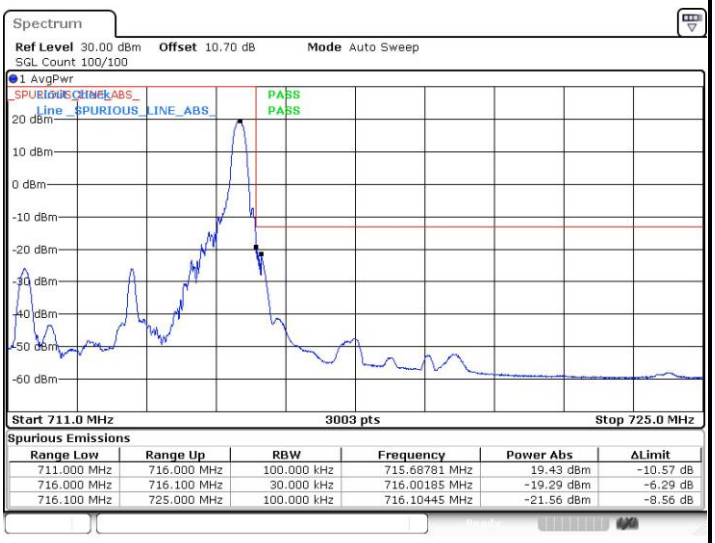
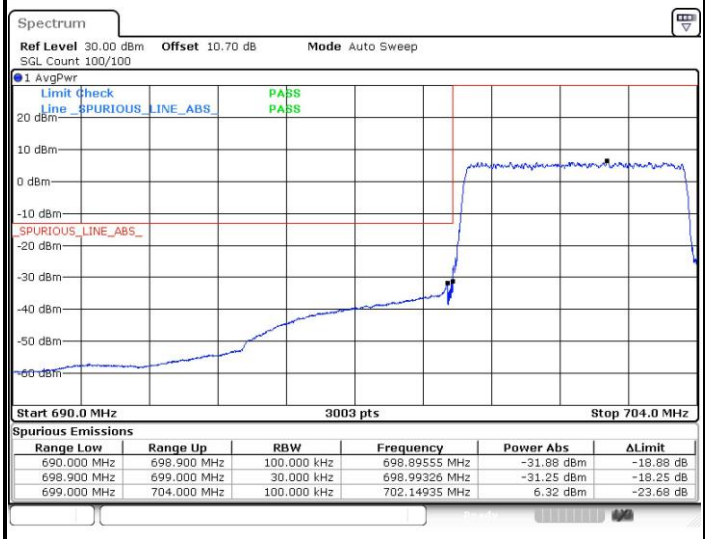
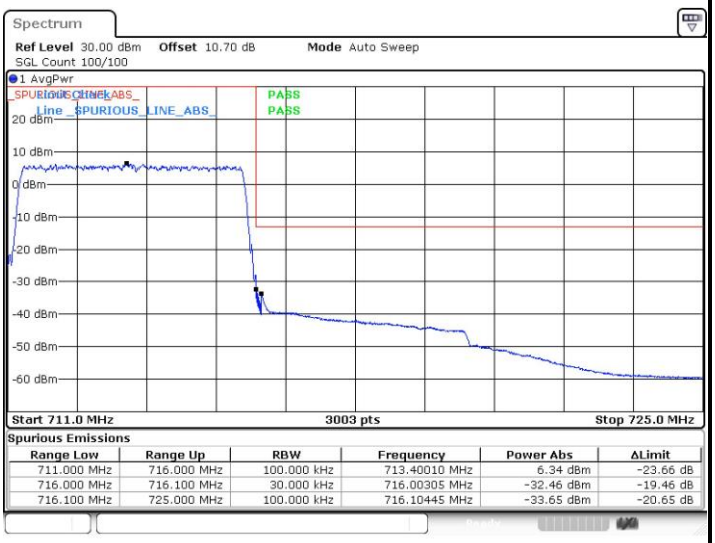



### Lowest Band Edge / Full RB



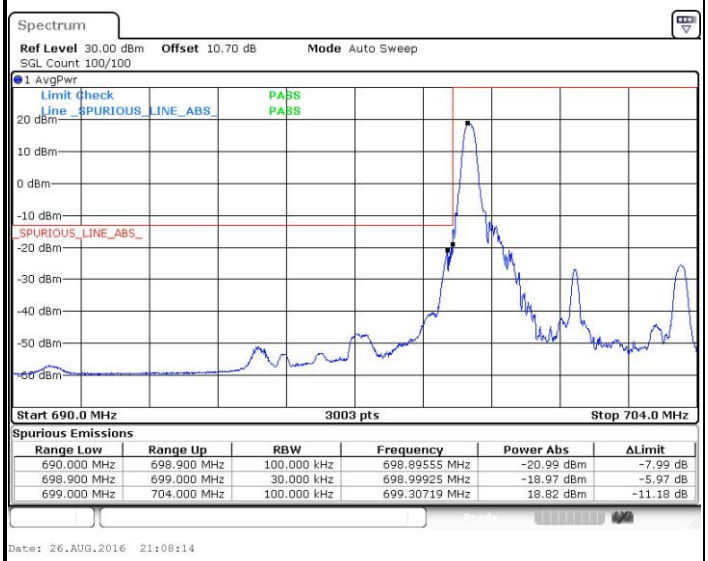

### Highest Band Edge / Full RB



| LTE Band 12 / 5MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

## LTE Band 12 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

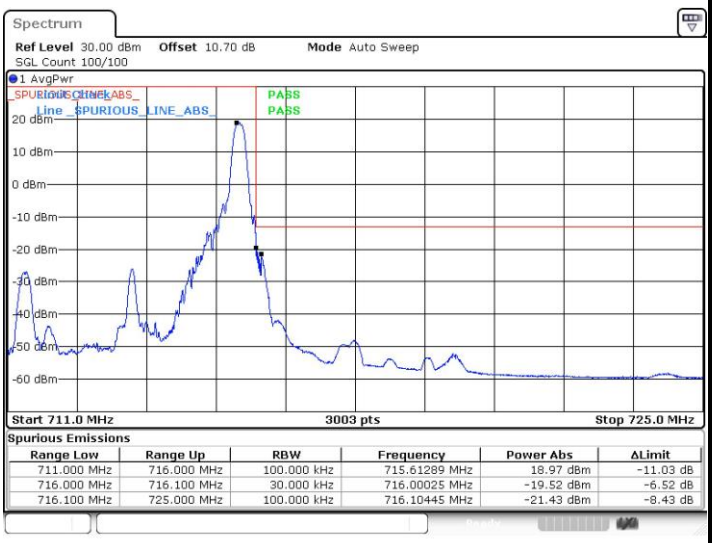



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -20.99 dBm | -7.99 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99925 MHz | -18.97 dBm | -5.97 dB |
| 699.000 MHz | 704.000 MHz | 100.000 kHz | 699.30719 MHz | 18.82 dBm | -11.18 dB |

Date: 26.AUG.2016 21:08:14

### Highest Band Edge / 1 RB

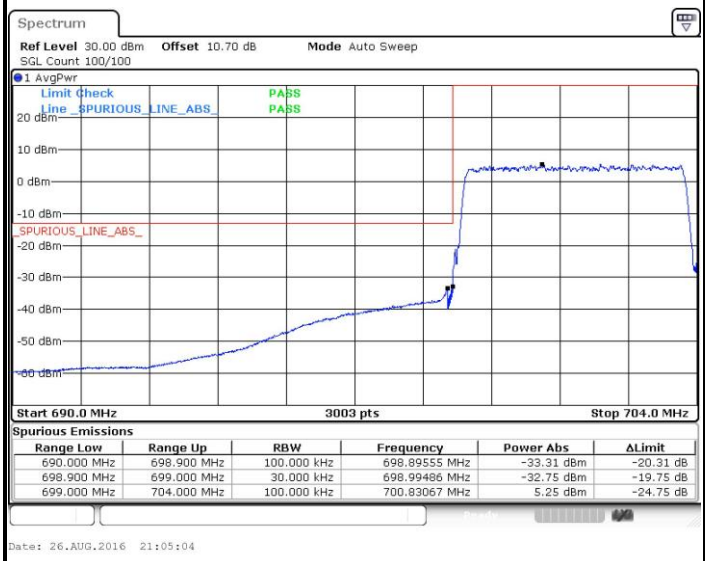



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 711.000 MHz | 716.000 MHz | 100.000 kHz | 715.61289 MHz | 18.97 dBm | -11.03 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00025 MHz | -19.52 dBm | -6.52 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -21.43 dBm | -8.43 dB |

Date: 26.AUG.2016 21:57:56

### Lowest Band Edge / Full RB

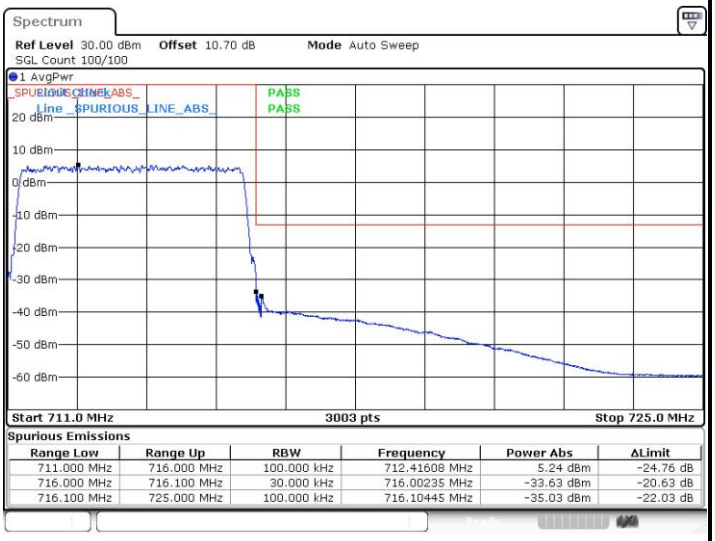



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -33.31 dBm | -20.31 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99486 MHz | -32.75 dBm | -19.75 dB |
| 699.000 MHz | 704.000 MHz | 100.000 kHz | 700.83067 MHz | 5.25 dBm | -24.75 dB |

Date: 26.AUG.2016 21:05:04

### Highest Band Edge / Full RB



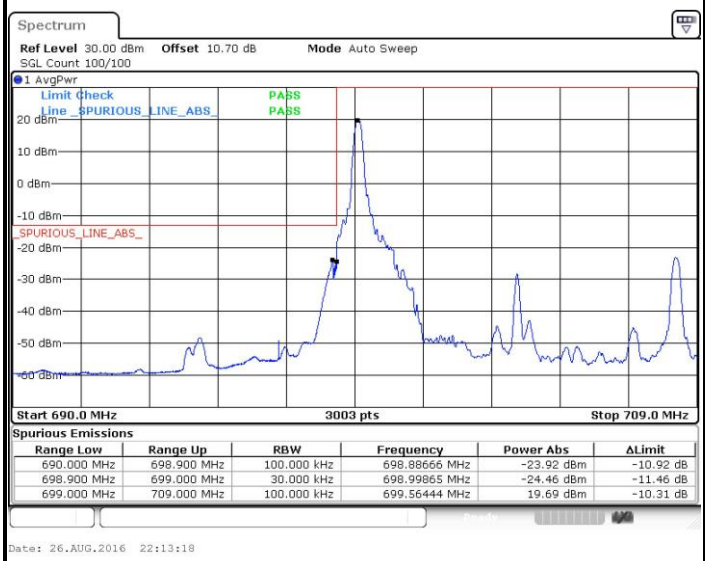

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 711.000 MHz | 716.000 MHz | 100.000 kHz | 712.41608 MHz | 5.24 dBm | -24.76 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00235 MHz | -33.63 dBm | -20.63 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -35.03 dBm | -22.03 dB |

Date: 26.AUG.2016 21:23:10

## LTE Band 12 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

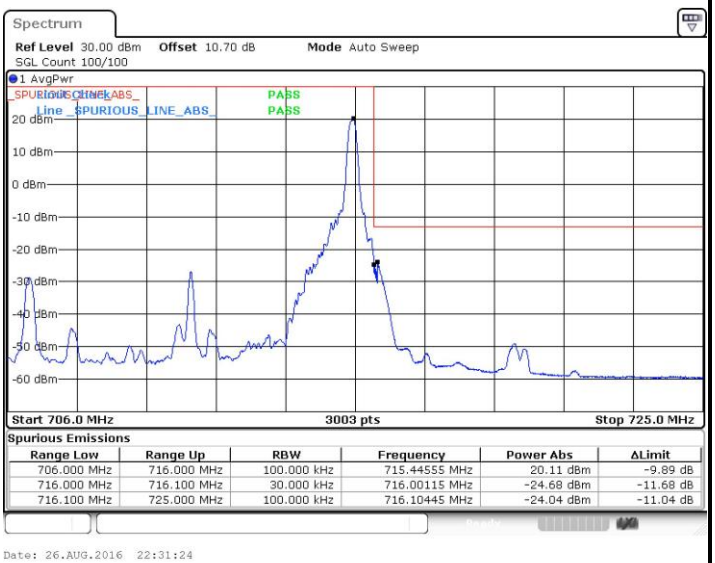



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.88666 MHz | -23.92 dBm | -10.92 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99865 MHz | -24.46 dBm | -11.46 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 699.56444 MHz | 19.69 dBm | -10.31 dB |

Date: 26.AUG.2016 22:13:18

### Highest Band Edge / 1 RB

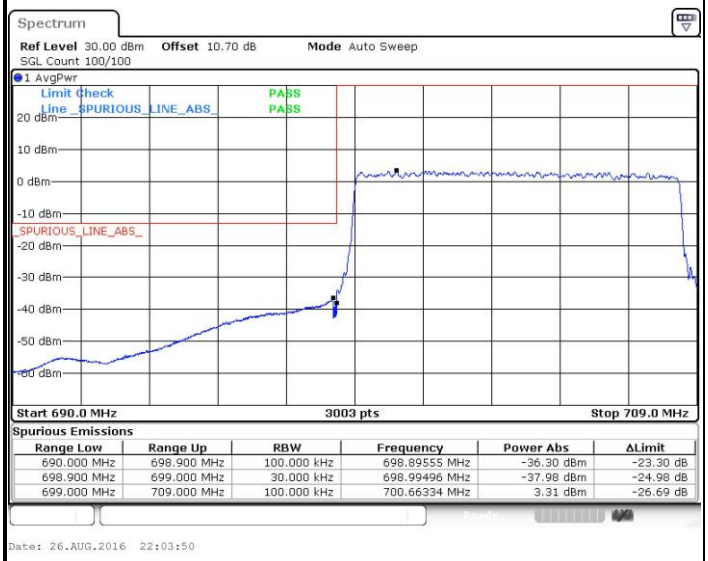



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 715.44555 MHz | 20.11 dBm | -9.89 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00115 MHz | -24.68 dBm | -11.68 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -24.04 dBm | -11.04 dB |

Date: 26.AUG.2016 22:31:24

### Lowest Band Edge / Full RB

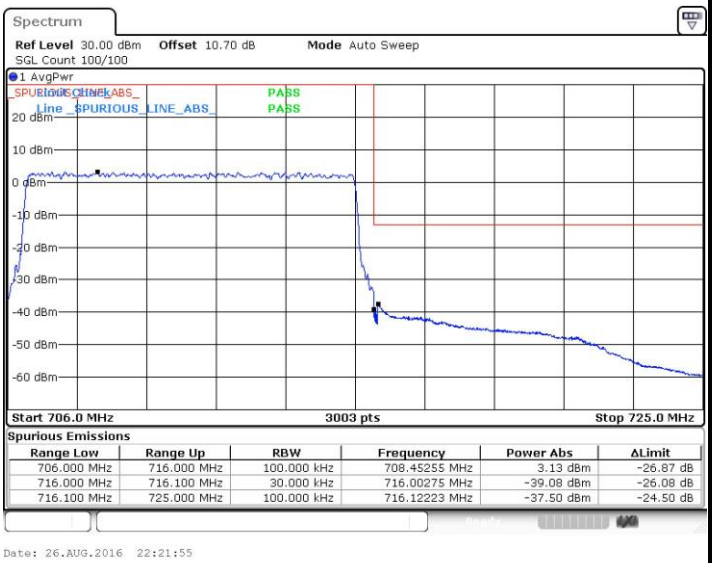



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -36.30 dBm | -23.30 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99496 MHz | -37.98 dBm | -24.98 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 700.66334 MHz | 3.31 dBm | -26.69 dB |

Date: 26.AUG.2016 22:03:50

### Highest Band Edge / Full RB



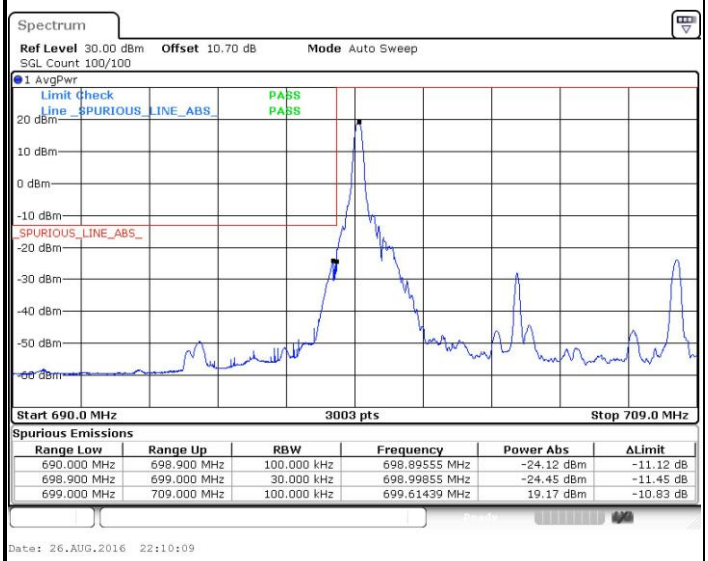

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 708.45255 MHz | 3.13 dBm | -26.87 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00275 MHz | -39.08 dBm | -26.08 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.12223 MHz | -37.50 dBm | -24.50 dB |

Date: 26.AUG.2016 22:21:55

## LTE Band 12 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

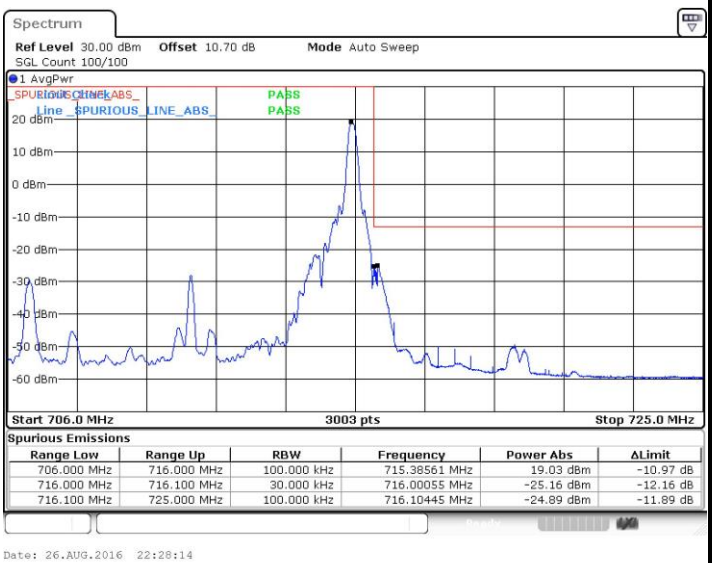



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -24.12 dBm | -11.12 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99855 MHz | -24.45 dBm | -11.45 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 699.61439 MHz | 19.17 dBm | -10.83 dB |

Date: 26.AUG.2016 22:10:09

### Highest Band Edge / 1 RB

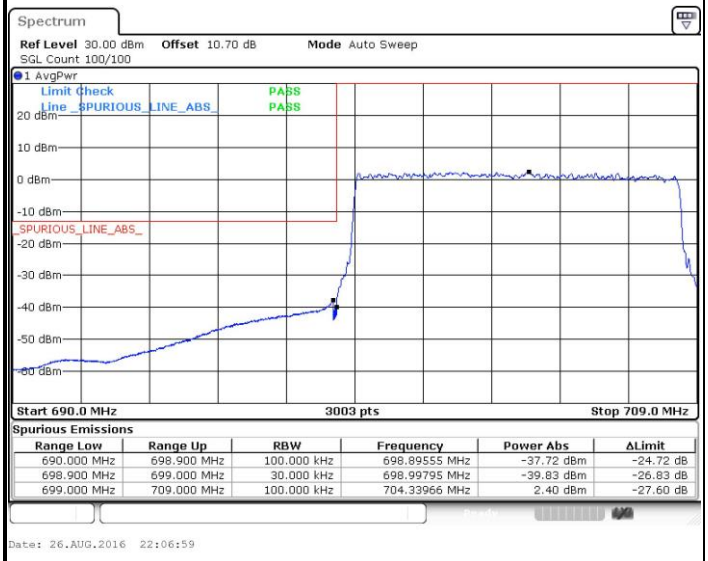



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 715.38561 MHz | 19.03 dBm | -10.97 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00055 MHz | -25.16 dBm | -12.16 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -24.89 dBm | -11.89 dB |

Date: 26.AUG.2016 22:28:14

### Lowest Band Edge / Full RB

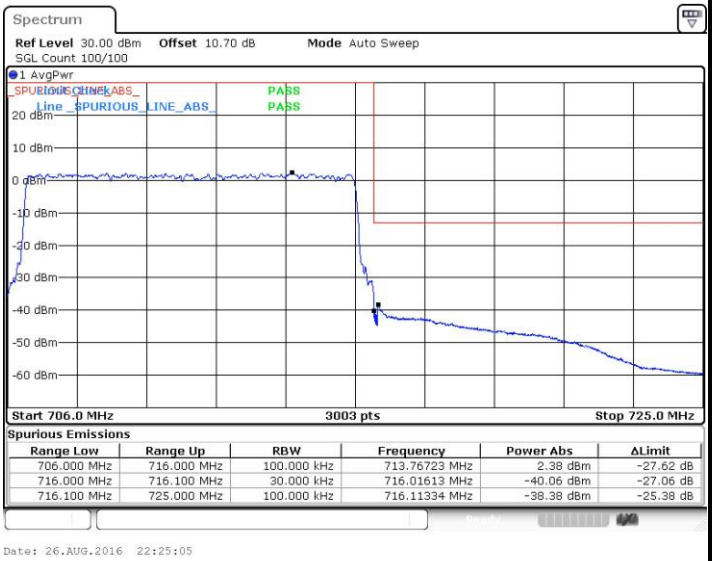



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -37.72 dBm | -24.72 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99795 MHz | -39.83 dBm | -26.83 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 704.33966 MHz | 2.40 dBm | -27.60 dB |

Date: 26.AUG.2016 22:06:59

### Highest Band Edge / Full RB




Spurious Emissions

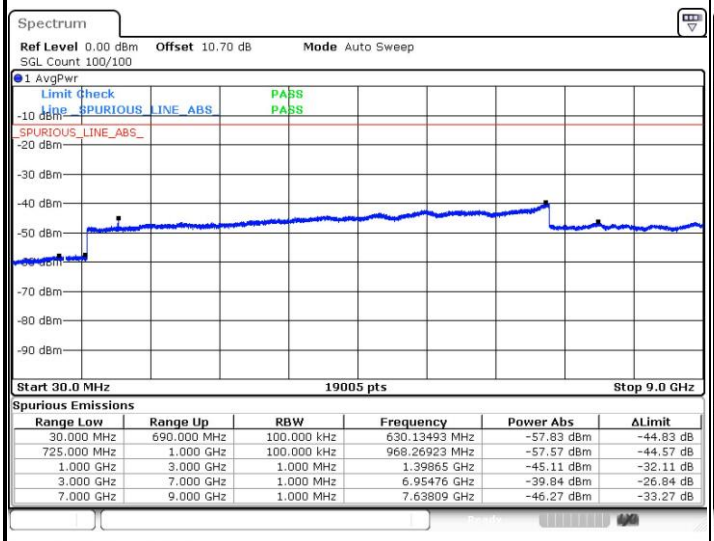
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 713.76723 MHz | 2.38 dBm | -27.62 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.01613 MHz | -40.06 dBm | -27.06 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11334 MHz | -38.38 dBm | -25.38 dB |

Date: 26.AUG.2016 22:25:05

# Conducted Spurious Emission

## LTE Band 12 / 1.4MHz

### Lowest Channel / QPSK

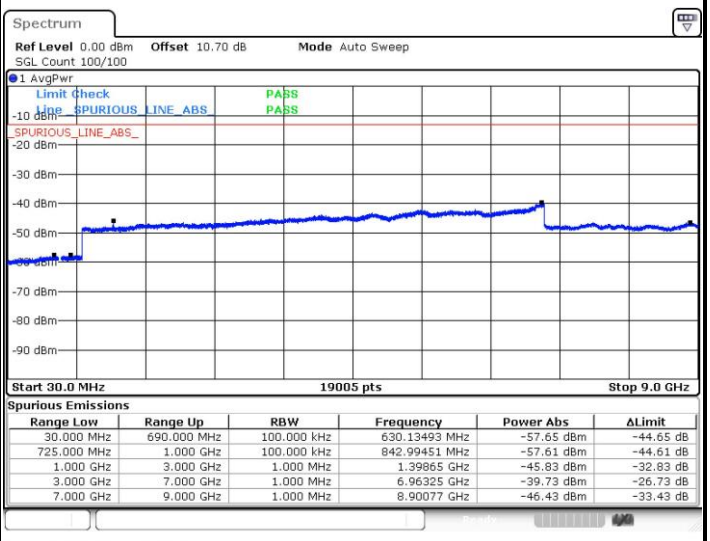



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 630.13493 MHz | -57.83 dBm | -44.83 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 968.26923 MHz | -57.57 dBm | -44.57 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39865 GHz | -45.11 dBm | -32.11 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95476 GHz | -39.84 dBm | -26.84 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.63809 GHz | -46.27 dBm | -33.27 dB |

Date: 26.AUG.2016 22:47:43

### Lowest Channel / 16QAM

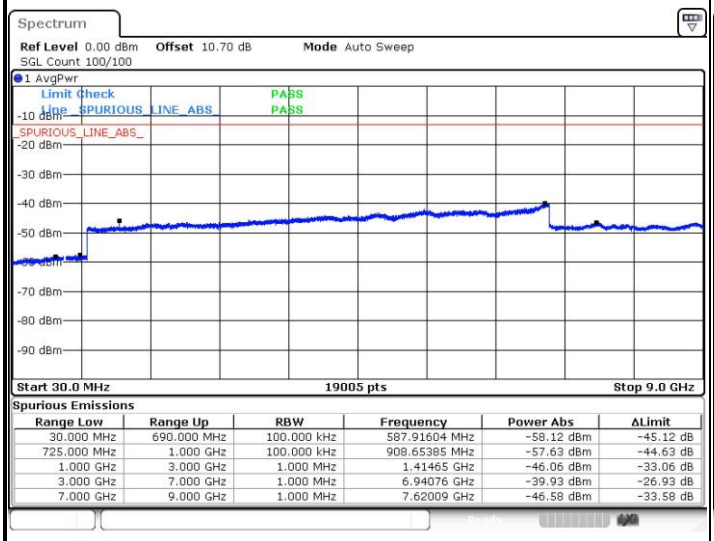



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 630.13493 MHz | -57.65 dBm | -44.65 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 842.99451 MHz | -57.61 dBm | -44.61 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39865 GHz | -45.83 dBm | -32.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96325 GHz | -39.73 dBm | -26.73 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90077 GHz | -46.43 dBm | -33.43 dB |

Date: 26.AUG.2016 22:48:41

### Middle Channel / QPSK

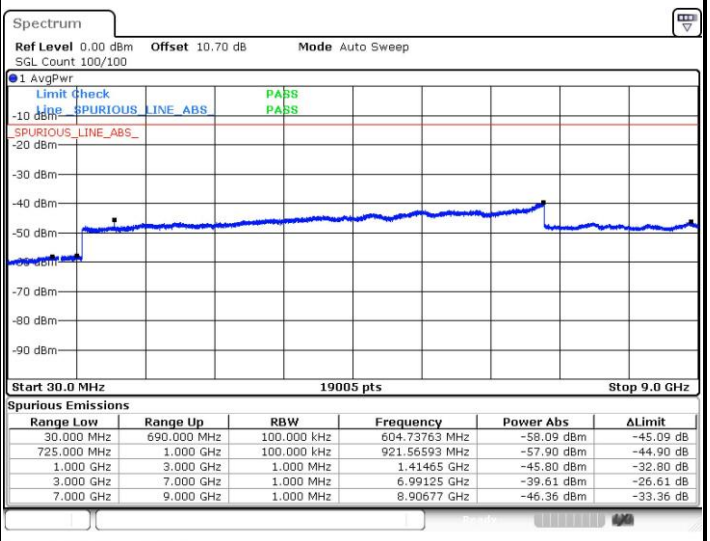



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 587.91604 MHz | -58.12 dBm | -45.12 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 908.65385 MHz | -57.63 dBm | -44.63 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41465 GHz | -46.06 dBm | -33.06 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94076 GHz | -39.93 dBm | -26.93 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.62009 GHz | -46.58 dBm | -33.58 dB |

Date: 26.AUG.2016 22:51:25

### Middle Channel / 16QAM



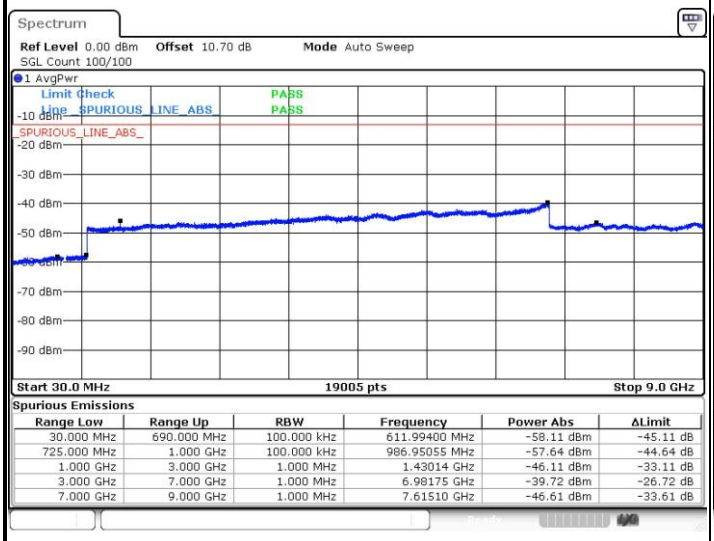

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 604.73763 MHz | -58.09 dBm | -45.09 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 921.56593 MHz | -57.90 dBm | -44.90 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41465 GHz | -45.80 dBm | -32.80 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99125 GHz | -39.61 dBm | -26.61 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90677 GHz | -46.36 dBm | -33.36 dB |

Date: 26.AUG.2016 22:50:27

## LTE Band 12 / 1.4MHz

### Highest Channel / QPSK

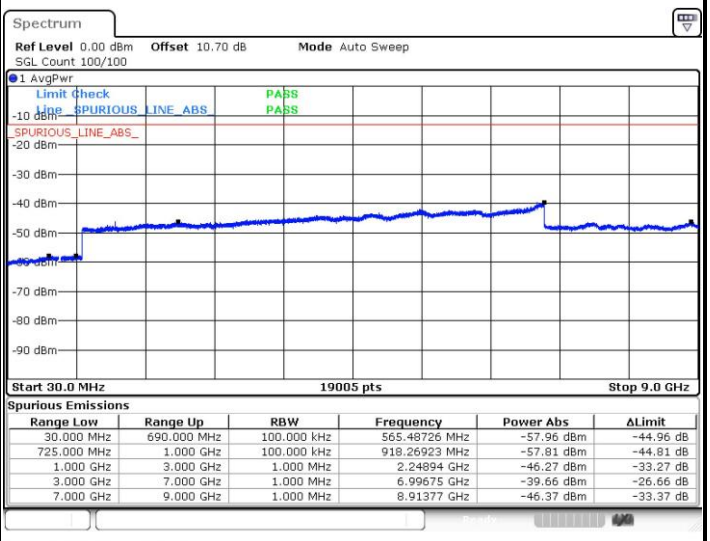



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 611.99400 MHz | -58.11 dBm | -45.11 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 986.95055 MHz | -57.64 dBm | -44.64 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.43014 GHz | -46.11 dBm | -33.11 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98175 GHz | -39.72 dBm | -26.72 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.61510 GHz | -46.61 dBm | -33.61 dB |

Date: 26.AUG.2016 23:05:49

### Highest Channel / 16QAM



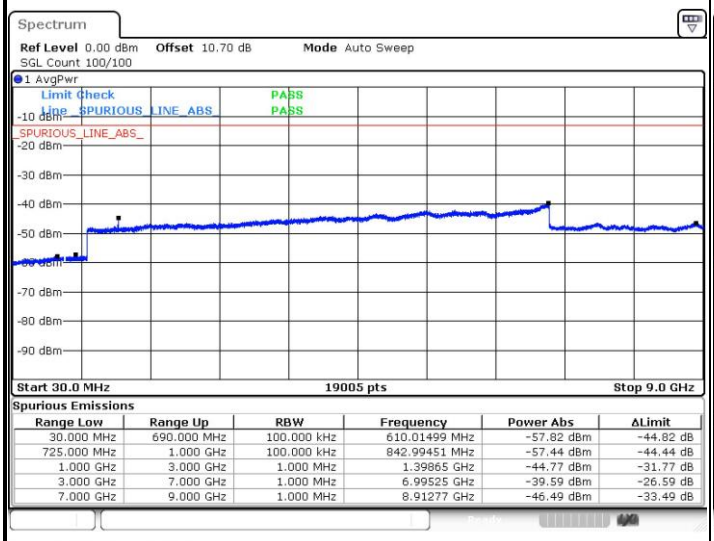

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 565.48726 MHz | -57.96 dBm | -44.96 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 918.26923 MHz | -57.81 dBm | -44.81 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.24894 GHz | -46.27 dBm | -33.27 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99675 GHz | -39.66 dBm | -26.66 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.91377 GHz | -46.37 dBm | -33.37 dB |

Date: 26.AUG.2016 23:06:47

## LTE Band 12 / 3MHz

### Lowest Channel / QPSK

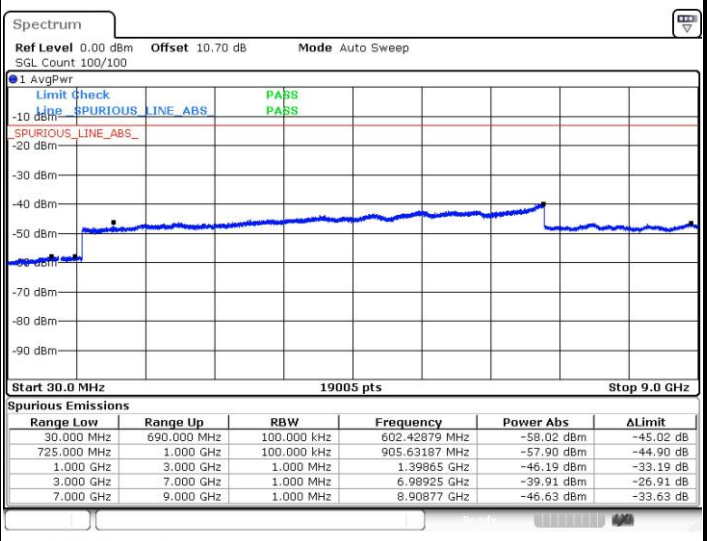



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 610.01499 MHz | -57.82 dBm | -44.82 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 842.99451 MHz | -57.44 dBm | -44.44 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39865 GHz | -44.77 dBm | -31.77 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99525 GHz | -39.59 dBm | -26.59 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.91277 GHz | -46.49 dBm | -33.49 dB |

Date: 26.AUG.2016 20:38:53

### Lowest Channel / 16QAM



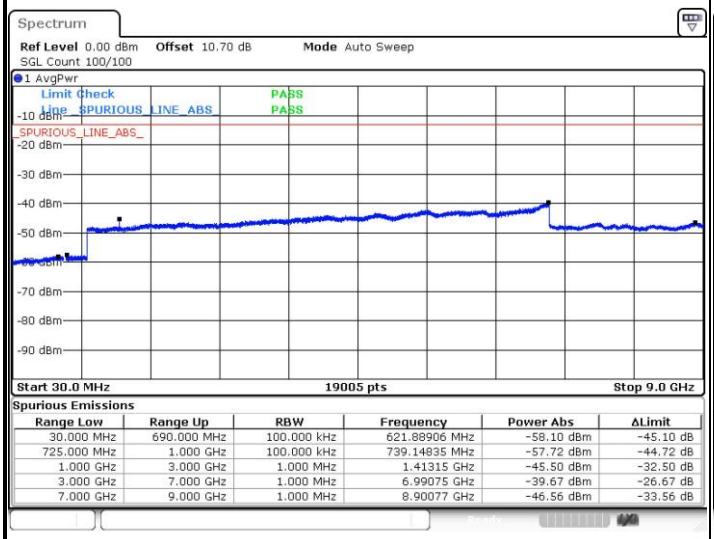

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 602.42879 MHz | -58.02 dBm | -45.02 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 905.63187 MHz | -57.90 dBm | -44.90 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39865 GHz | -46.19 dBm | -33.19 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98925 GHz | -39.91 dBm | -26.91 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90877 GHz | -46.63 dBm | -33.63 dB |

Date: 26.AUG.2016 20:39:52

## LTE Band 12 / 3MHz

### Middle Channel / QPSK

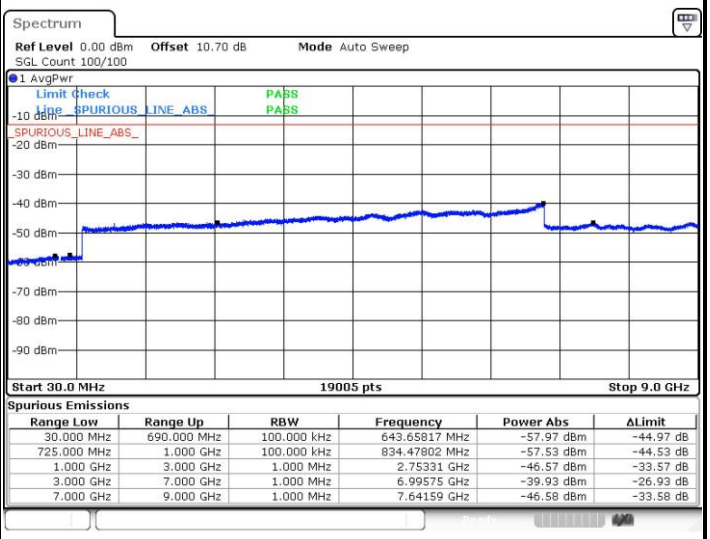



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 621.88906 MHz | -58.10 dBm | -45.10 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 739.14835 MHz | -57.72 dBm | -44.72 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41315 GHz | -45.50 dBm | -32.50 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99075 GHz | -39.67 dBm | -26.67 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90077 GHz | -46.56 dBm | -33.56 dB |

Date: 26.AUG.2016 20:42:36

### Middle Channel / 16QAM

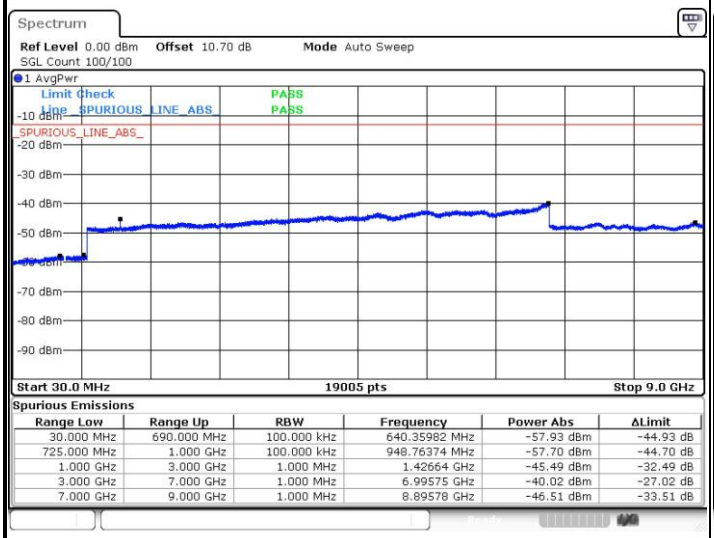



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 643.65817 MHz | -57.97 dBm | -44.97 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 834.47802 MHz | -57.53 dBm | -44.53 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.75331 GHz | -46.57 dBm | -33.57 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99575 GHz | -39.93 dBm | -26.93 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.64159 GHz | -46.58 dBm | -33.58 dB |

Date: 26.AUG.2016 20:41:37

### Highest Channel / QPSK

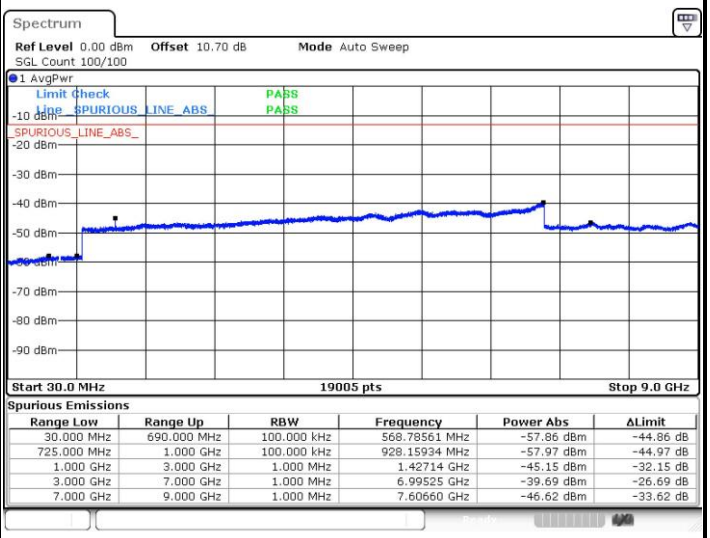



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 640.35982 MHz | -57.93 dBm | -44.93 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 948.76374 MHz | -57.70 dBm | -44.70 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42664 GHz | -45.49 dBm | -32.49 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99575 GHz | -40.02 dBm | -27.02 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.89578 GHz | -46.51 dBm | -33.51 dB |

Date: 26.AUG.2016 20:56:59

### Highest Channel / 16QAM



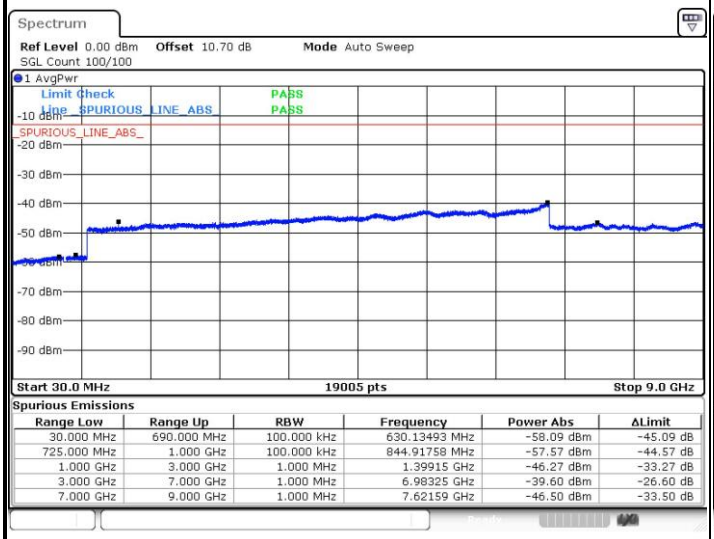

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 568.78561 MHz | -57.86 dBm | -44.86 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 928.15934 MHz | -57.97 dBm | -44.97 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42714 GHz | -45.15 dBm | -32.15 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99525 GHz | -39.69 dBm | -26.69 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.60660 GHz | -46.62 dBm | -33.62 dB |

Date: 26.AUG.2016 20:57:58

## LTE Band 12 / 5MHz

### Lowest Channel / QPSK

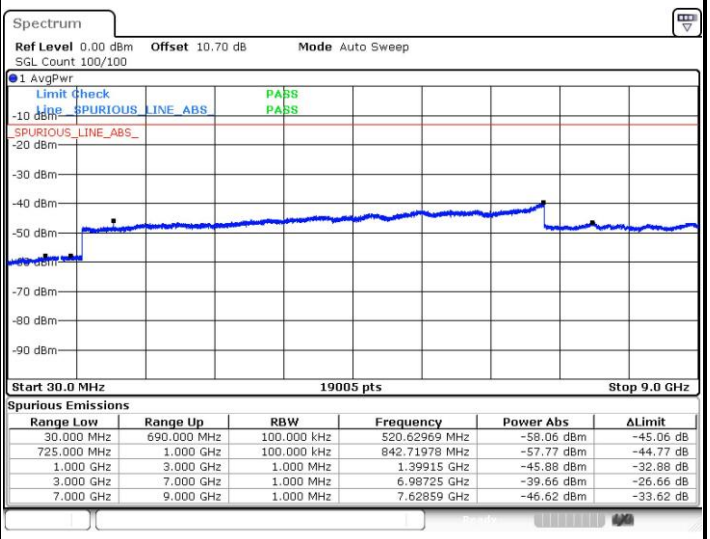



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 630.13493 MHz | -58.09 dBm | -45.09 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 844.91758 MHz | -57.57 dBm | -44.57 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39915 GHz | -46.27 dBm | -33.27 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98325 GHz | -39.60 dBm | -26.60 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.62159 GHz | -46.50 dBm | -33.50 dB |

Date: 26.AUG.2016 21:12:21

### Lowest Channel / 16QAM

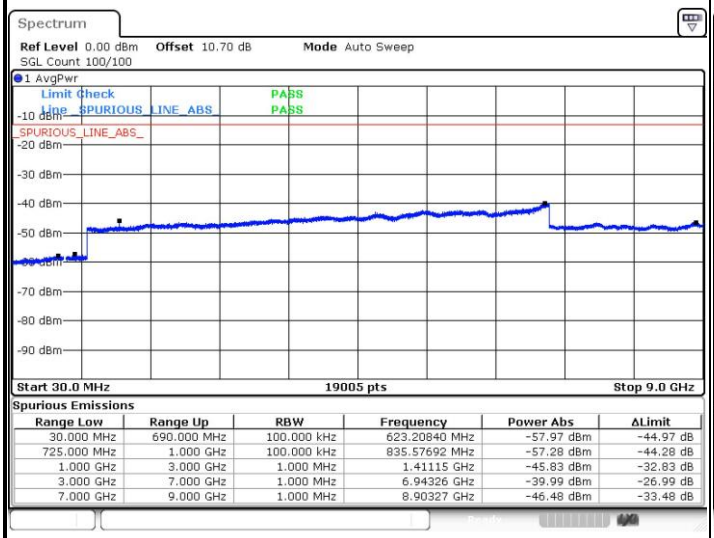



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 520.62969 MHz | -58.06 dBm | -45.06 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 842.71978 MHz | -57.77 dBm | -44.77 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39915 GHz | -45.88 dBm | -32.88 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98725 GHz | -39.66 dBm | -26.66 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.62859 GHz | -46.62 dBm | -33.62 dB |

Date: 26.AUG.2016 21:13:19

### Middle Channel / QPSK

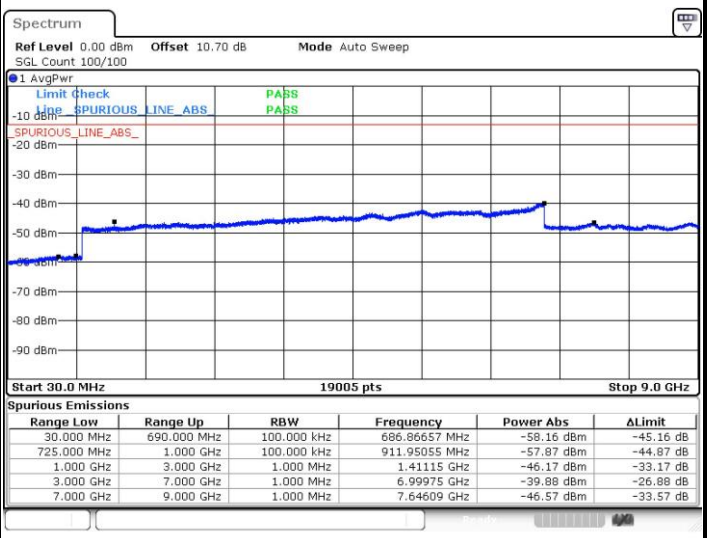



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 623.20840 MHz | -57.97 dBm | -44.97 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 835.57692 MHz | -57.28 dBm | -44.28 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41115 GHz | -45.83 dBm | -32.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94326 GHz | -39.99 dBm | -26.99 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90327 GHz | -46.48 dBm | -33.48 dB |

Date: 26.AUG.2016 21:16:03

### Middle Channel / 16QAM



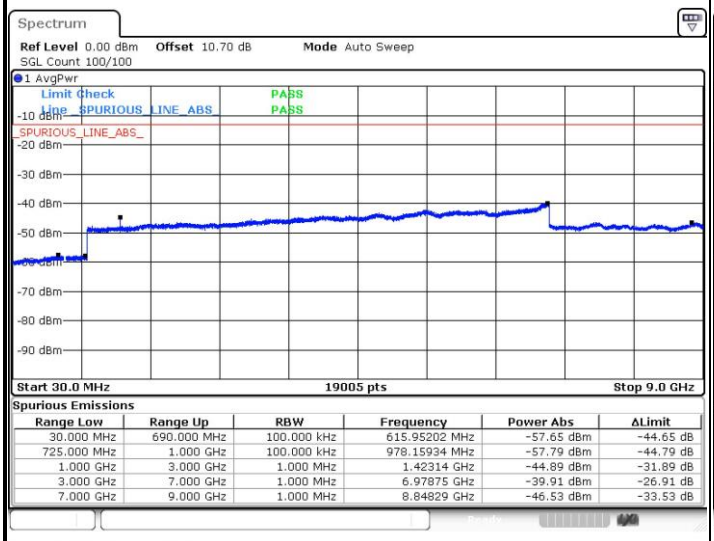

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 686.86657 MHz | -58.16 dBm | -45.16 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 911.95055 MHz | -57.87 dBm | -44.87 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41115 GHz | -46.17 dBm | -33.17 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99975 GHz | -39.88 dBm | -26.88 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.64609 GHz | -46.57 dBm | -33.57 dB |

Date: 26.AUG.2016 21:15:04

## LTE Band 12 / 5MHz

### Highest Channel / QPSK

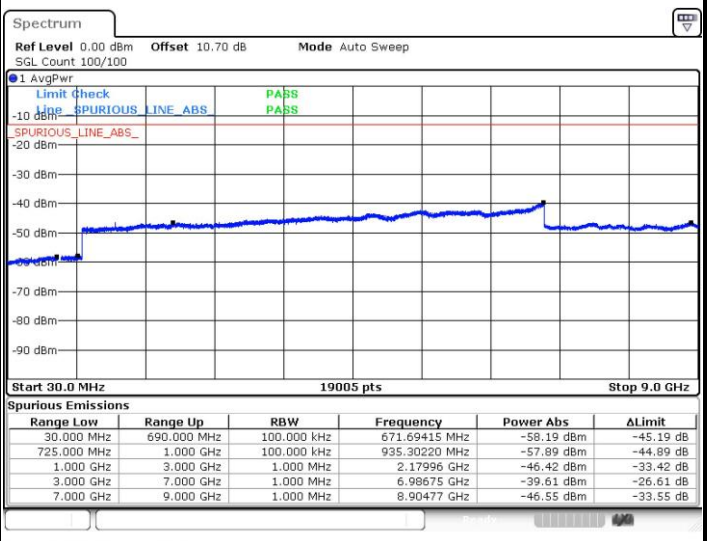



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 615.95202 MHz | -57.65 dBm | -44.65 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 978.15934 MHz | -57.79 dBm | -44.79 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42314 GHz | -44.89 dBm | -31.89 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97875 GHz | -39.91 dBm | -26.91 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.84829 GHz | -46.53 dBm | -33.53 dB |

Date: 26.AUG.2016 21:59:52

### Highest Channel / 16QAM



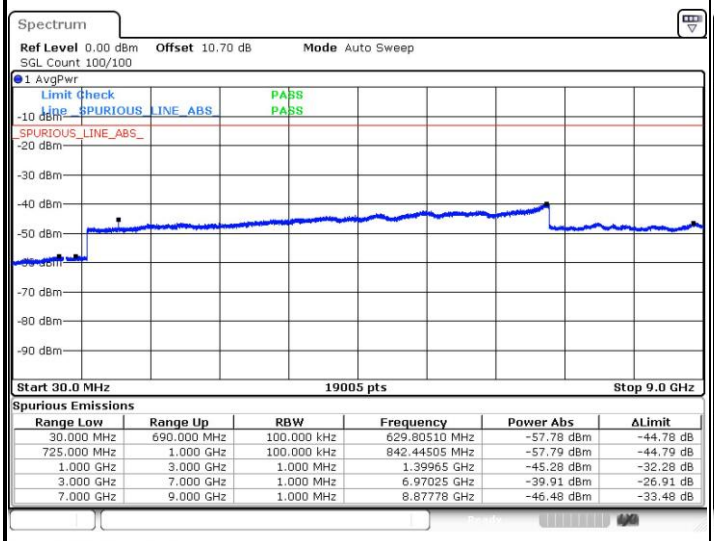

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 671.69415 MHz | -58.19 dBm | -45.19 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 935.30220 MHz | -57.89 dBm | -44.89 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.17996 GHz | -46.42 dBm | -33.42 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98675 GHz | -39.61 dBm | -26.61 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90477 GHz | -46.55 dBm | -33.55 dB |

Date: 26.AUG.2016 21:58:54

## LTE Band 12 / 10MHz

### Lowest Channel / QPSK

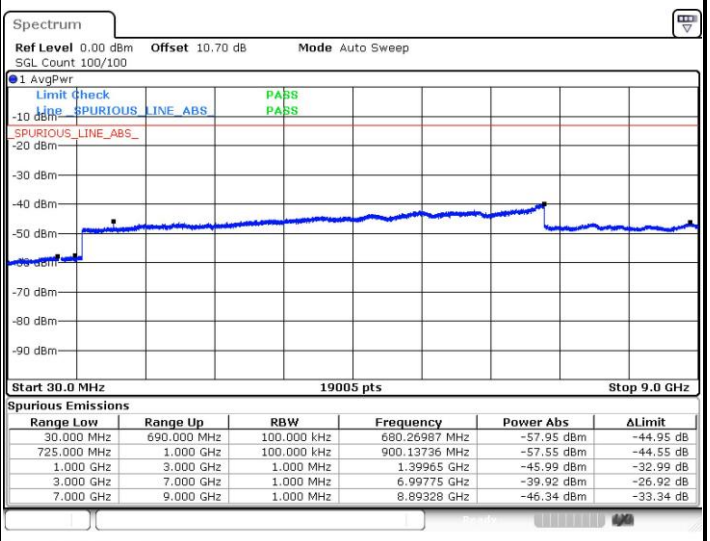



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 629.80510 MHz | -57.78 dBm | -44.78 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 842.44505 MHz | -57.79 dBm | -44.79 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39965 GHz | -45.28 dBm | -32.28 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97025 GHz | -39.91 dBm | -26.91 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.87778 GHz | -46.48 dBm | -33.48 dB |

Date: 26.AUG.2016 22:14:16

### Lowest Channel / 16QAM



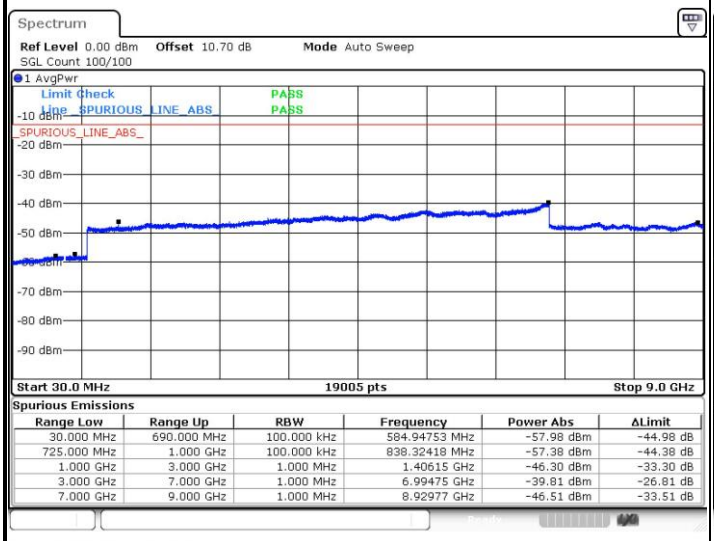

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 680.26987 MHz | -57.95 dBm | -44.95 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 900.13736 MHz | -57.55 dBm | -44.55 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39965 GHz | -45.99 dBm | -32.99 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99775 GHz | -39.92 dBm | -26.92 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.89328 GHz | -46.34 dBm | -33.34 dB |

Date: 26.AUG.2016 22:15:14

## LTE Band 12 / 10MHz

### Middle Channel / QPSK

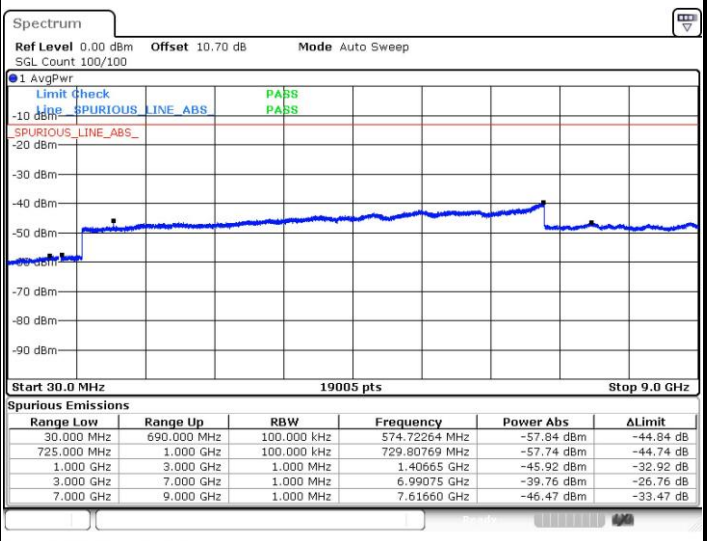



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 584.94753 MHz | -57.98 dBm | -44.98 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 838.32418 MHz | -57.38 dBm | -44.38 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.40615 GHz | -46.30 dBm | -33.30 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99475 GHz | -39.81 dBm | -26.81 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.92977 GHz | -46.51 dBm | -33.51 dB |

Date: 26.AUG.2016 22:17:58

### Middle Channel / 16QAM

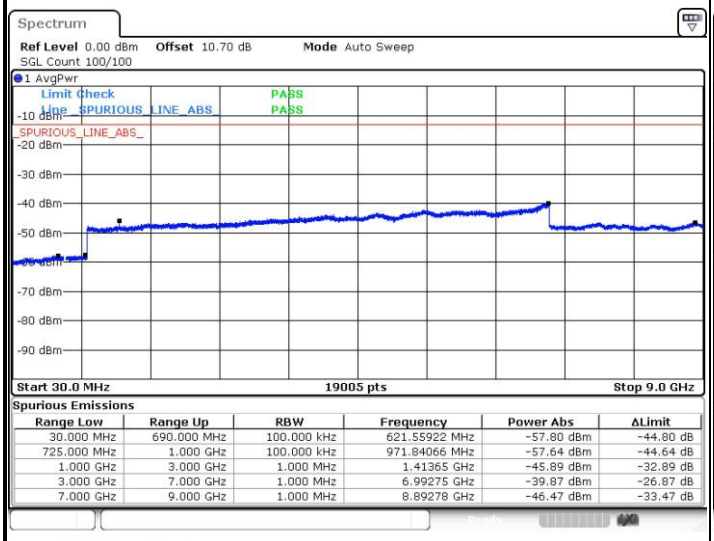



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 574.72264 MHz | -57.84 dBm | -44.84 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 729.80769 MHz | -57.74 dBm | -44.74 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.40665 GHz | -45.92 dBm | -32.92 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99075 GHz | -39.76 dBm | -26.76 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.61660 GHz | -46.47 dBm | -33.47 dB |

Date: 26.AUG.2016 22:17:00

### Highest Channel / QPSK

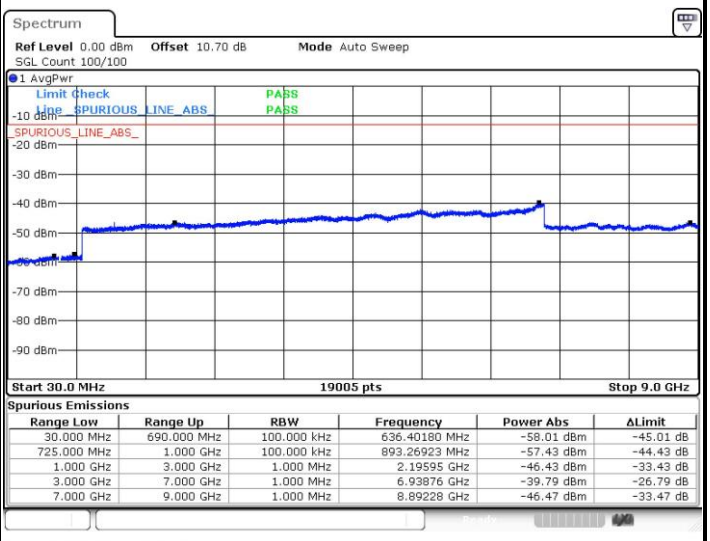



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 621.55922 MHz | -57.80 dBm | -44.80 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 971.84066 MHz | -57.64 dBm | -44.64 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41365 GHz | -45.89 dBm | -32.89 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99275 GHz | -39.87 dBm | -26.87 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.89278 GHz | -46.47 dBm | -33.47 dB |

Date: 26.AUG.2016 22:32:21

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 636.40180 MHz | -58.01 dBm | -45.01 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 893.26923 MHz | -57.43 dBm | -44.43 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.19595 GHz | -46.43 dBm | -33.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.93876 GHz | -39.79 dBm | -26.79 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.89228 GHz | -46.47 dBm | -33.47 dB |

Date: 26.AUG.2016 22:33:20

# Frequency Stability

| Test Conditions | | LTE Band 12 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0028 | PASS |
| 40 | Normal Voltage | 0.0021 | |
| 30 | Normal Voltage | 0.0011 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0001 | |
| 0 | Normal Voltage | 0.0008 | |
| -10 | Normal Voltage | 0.0016 | |
| -20 | Normal Voltage | 0.0013 | |
| -30 | Normal Voltage | 0.0109 | |
| 20 | Maximum Voltage | 0.0078 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0020 | |

**Note:**

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.