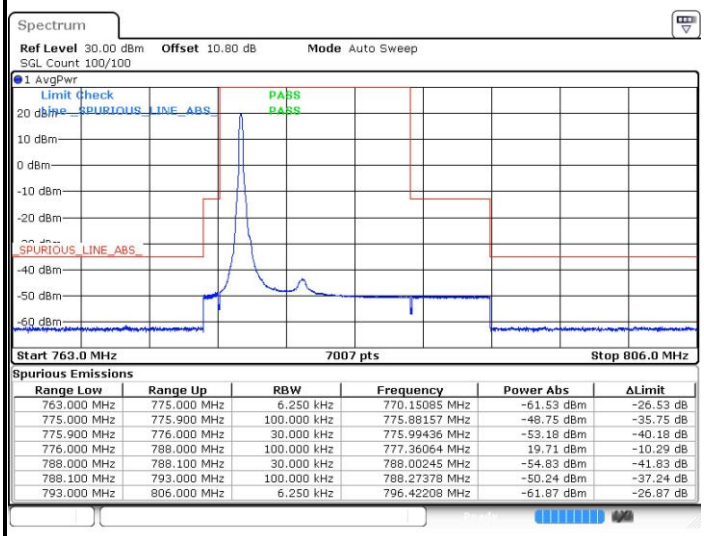
# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

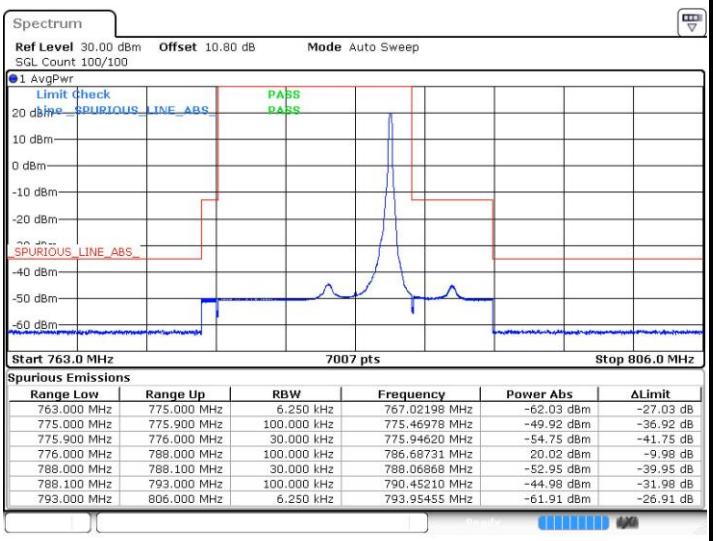



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.15085 MHz | -61.53 dBm | -26.53 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.88157 MHz | -48.75 dBm | -35.75 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.99436 MHz | -53.18 dBm | -40.18 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.36064 MHz | 19.71 dBm | -10.29 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.00245 MHz | -54.83 dBm | -41.83 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.27378 MHz | -50.24 dBm | -37.24 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 796.42208 MHz | -61.87 dBm | -26.87 dB |

Date: 8.JAN.2019 18:55:16

### Highest Band Edge / 1 RB

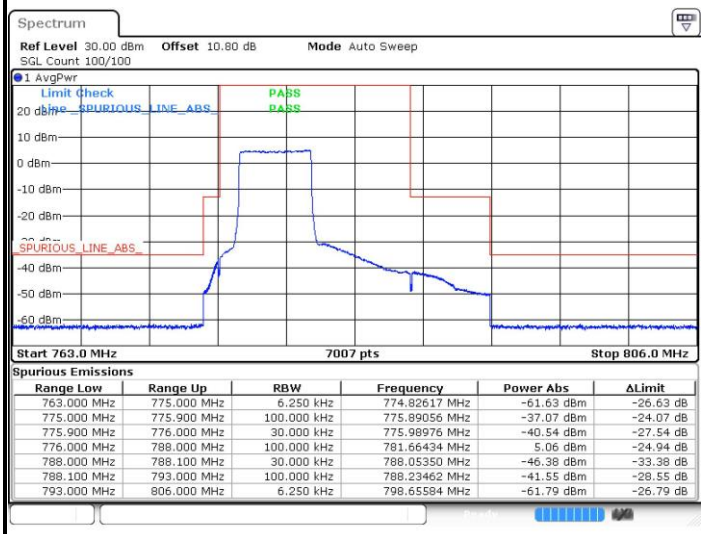



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.02198 MHz | -62.03 dBm | -27.03 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.46978 MHz | -49.92 dBm | -36.92 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.94620 MHz | -54.75 dBm | -41.75 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.68731 MHz | 20.02 dBm | -9.98 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.06868 MHz | -52.95 dBm | -39.95 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 790.45210 MHz | -44.98 dBm | -31.98 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.95455 MHz | -61.91 dBm | -26.91 dB |

Date: 8.JAN.2019 19:07:41

### Lowest Band Edge / Full RB

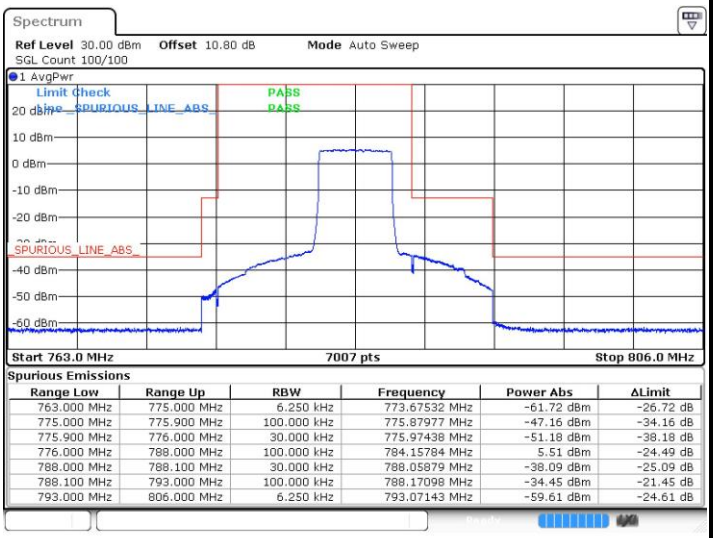



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.82617 MHz | -61.63 dBm | -26.63 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89056 MHz | -37.07 dBm | -24.07 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98976 MHz | -40.54 dBm | -27.54 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 781.66434 MHz | 5.06 dBm | -24.94 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.05350 MHz | -46.38 dBm | -33.38 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.23462 MHz | -41.55 dBm | -28.55 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 798.65584 MHz | -61.79 dBm | -26.79 dB |

Date: 8.JAN.2019 18:50:12

### Highest Band Edge / Full RB



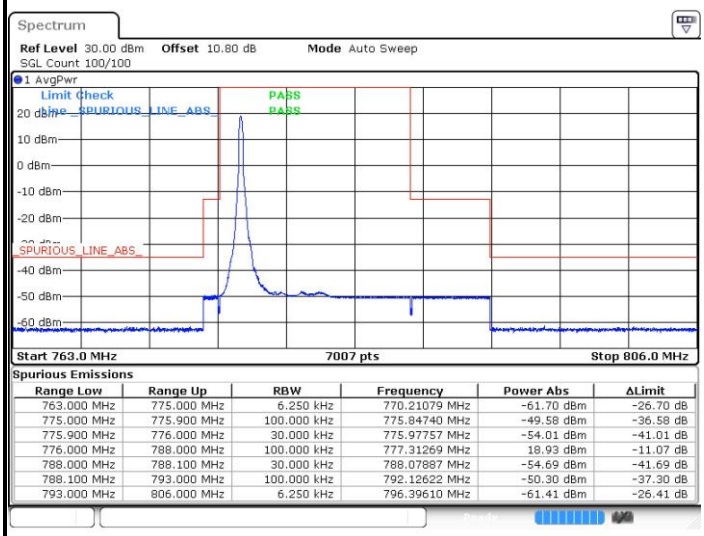

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.67532 MHz | -61.72 dBm | -26.72 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.87977 MHz | -47.16 dBm | -34.16 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97438 MHz | -51.18 dBm | -38.18 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 784.15784 MHz | 5.51 dBm | -24.49 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.05879 MHz | -38.09 dBm | -25.09 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.17098 MHz | -34.45 dBm | -21.45 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.07143 MHz | -59.61 dBm | -24.61 dB |

Date: 8.JAN.2019 19:02:37

## LTE Band 13 / 5MHz / 16QAM

### Lowest Band Edge / 1 RB

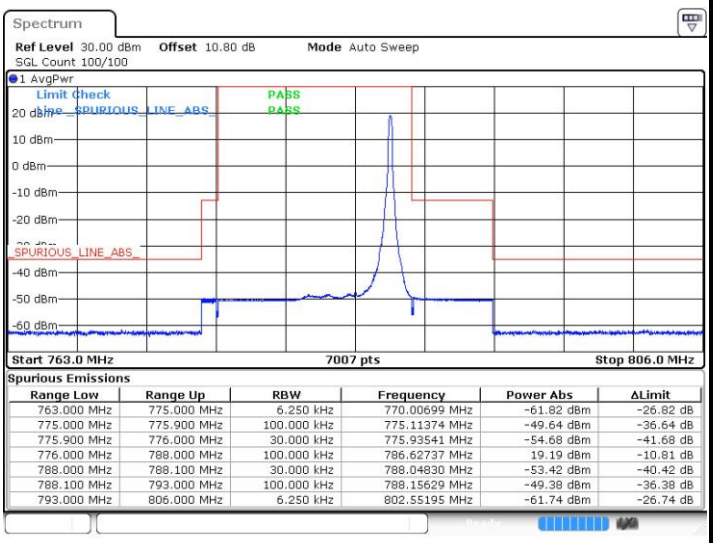



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.21079 MHz | -61.70 dBm | -26.70 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.84740 MHz | -49.58 dBm | -36.58 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97757 MHz | -54.01 dBm | -41.01 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.31269 MHz | 18.93 dBm | -11.07 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.07887 MHz | -54.69 dBm | -41.69 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 792.12622 MHz | -50.30 dBm | -37.30 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 796.39610 MHz | -61.41 dBm | -26.41 dB |

Date: 8.JAN.2019 18:53:34

### Highest Band Edge / 1 RB

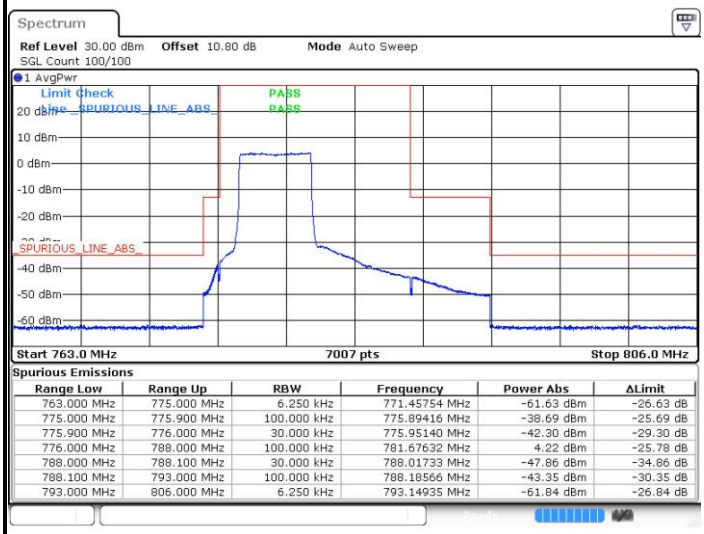



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.00699 MHz | -61.82 dBm | -26.82 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.11374 MHz | -49.64 dBm | -36.64 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.93541 MHz | -54.68 dBm | -41.68 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.62737 MHz | 19.19 dBm | -10.81 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04830 MHz | -53.42 dBm | -40.42 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.15629 MHz | -49.38 dBm | -36.38 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.55195 MHz | -61.74 dBm | -26.74 dB |

Date: 8.JAN.2019 19:05:59

### Lowest Band Edge / Full RB

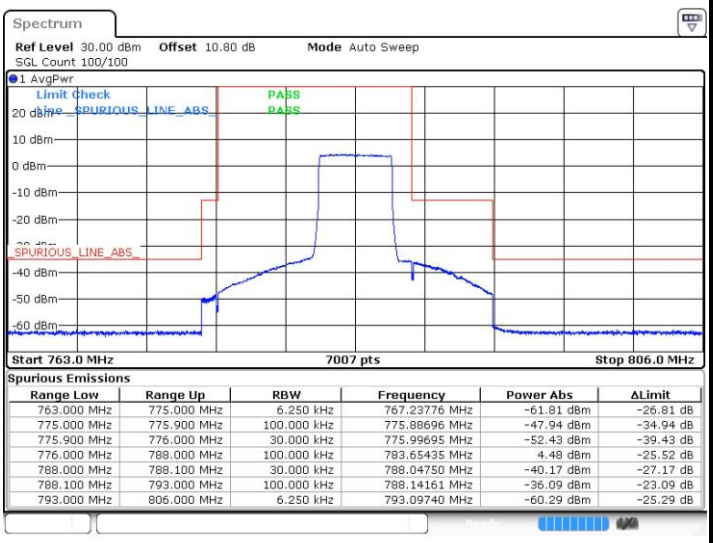



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 771.45754 MHz | -61.63 dBm | -26.63 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89416 MHz | -38.69 dBm | -25.69 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.95140 MHz | -42.30 dBm | -29.30 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 781.67632 MHz | 4.22 dBm | -25.78 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.01733 MHz | -47.86 dBm | -34.86 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.18566 MHz | -43.35 dBm | -30.35 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.14935 MHz | -61.84 dBm | -26.84 dB |

Date: 8.JAN.2019 18:51:53

### Highest Band Edge / Full RB



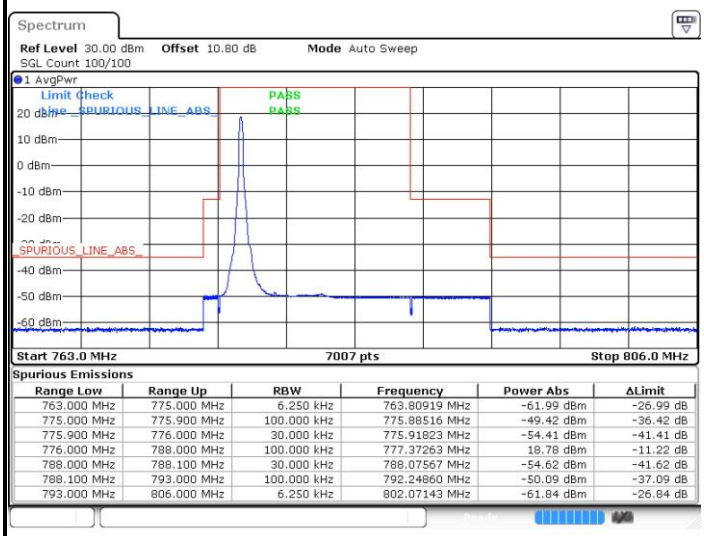

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.23776 MHz | -61.81 dBm | -26.81 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.88696 MHz | -47.94 dBm | -34.94 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.99695 MHz | -52.43 dBm | -39.43 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 783.65435 MHz | 4.48 dBm | -25.52 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04750 MHz | -40.17 dBm | -27.17 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.14161 MHz | -36.09 dBm | -23.09 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.09740 MHz | -60.29 dBm | -25.29 dB |

Date: 8.JAN.2019 19:04:18

## LTE Band 13 / 5MHz / 64QAM

### Lowest Band Edge / 1 RB

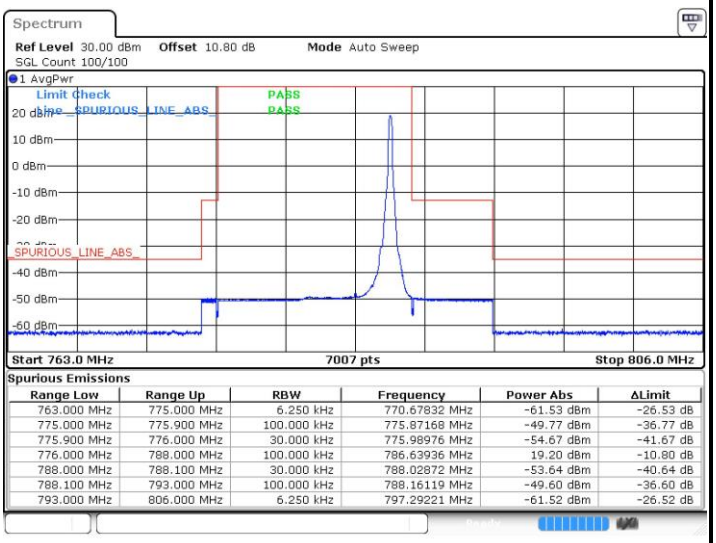



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 763.80919 MHz | -61.99 dBm | -26.99 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.88516 MHz | -49.42 dBm | -36.42 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.91823 MHz | -54.41 dBm | -41.41 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.37263 MHz | 18.78 dBm | -11.22 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.07567 MHz | -54.62 dBm | -41.62 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 792.24860 MHz | -50.09 dBm | -37.09 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.07143 MHz | -61.84 dBm | -26.84 dB |

Date: 8.JAN.2019 19:13:30

### Highest Band Edge / 1 RB

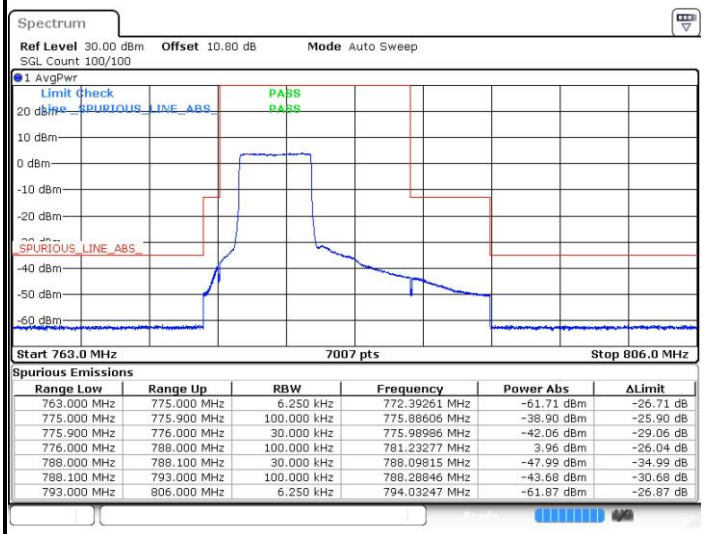



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.67832 MHz | -61.53 dBm | -26.53 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.87168 MHz | -49.77 dBm | -36.77 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98976 MHz | -54.67 dBm | -41.67 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.63936 MHz | 19.20 dBm | -10.80 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.02872 MHz | -53.64 dBm | -40.64 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.16119 MHz | -49.60 dBm | -36.60 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 797.29221 MHz | -61.52 dBm | -26.52 dB |

Date: 8.JAN.2019 19:19:42

### Lowest Band Edge / Full RB

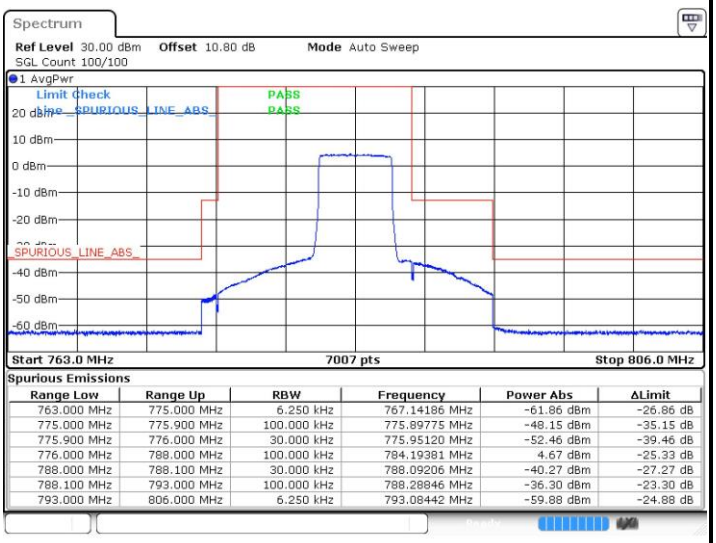



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 772.39261 MHz | -61.71 dBm | -26.71 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.88606 MHz | -38.90 dBm | -25.90 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98986 MHz | -42.06 dBm | -29.06 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 781.23277 MHz | 3.96 dBm | -26.04 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.09815 MHz | -47.99 dBm | -34.99 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.28846 MHz | -43.68 dBm | -30.68 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 794.03247 MHz | -61.87 dBm | -26.87 dB |

Date: 8.JAN.2019 19:11:49

### Highest Band Edge / Full RB



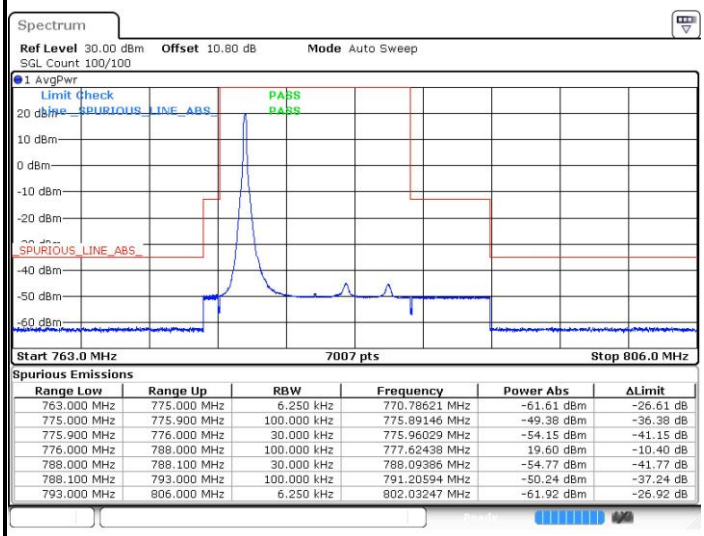

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.14186 MHz | -61.86 dBm | -26.86 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89775 MHz | -48.15 dBm | -35.15 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.95120 MHz | -52.46 dBm | -39.46 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 784.19381 MHz | 4.67 dBm | -25.33 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.09206 MHz | -40.27 dBm | -27.27 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.28846 MHz | -36.30 dBm | -23.30 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.08442 MHz | -59.88 dBm | -24.88 dB |

Date: 8.JAN.2019 19:18:00

## LTE Band 13 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

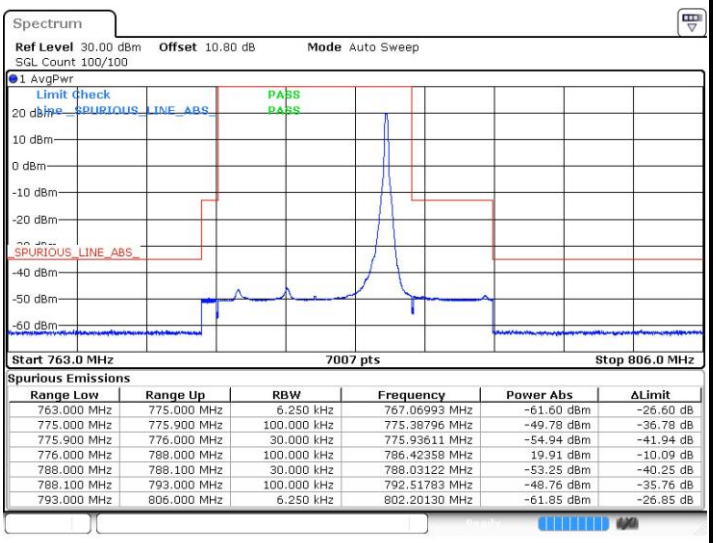



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 770.78621 MHz | -61.61 dBm | -26.61 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89146 MHz | -49.38 dBm | -36.38 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.96029 MHz | -54.15 dBm | -41.15 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.62438 MHz | 19.60 dBm | -10.40 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.09386 MHz | -54.77 dBm | -41.77 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 791.20594 MHz | -50.24 dBm | -37.24 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.03247 MHz | -61.92 dBm | -26.92 dB |

Date: 8.JAN.2019 19:28:13

### Highest Band Edge / 1 RB

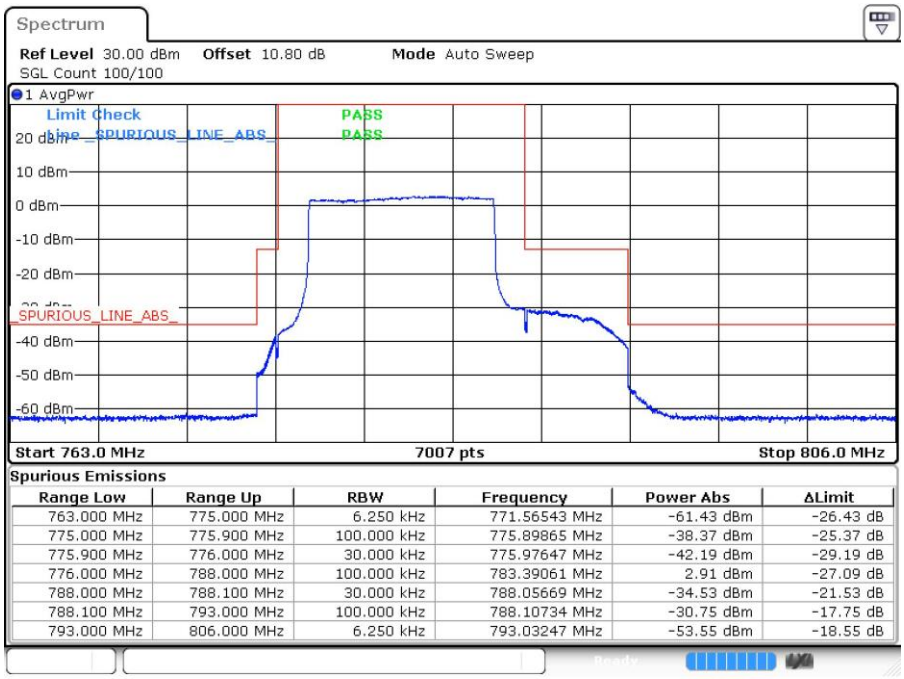



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 767.06993 MHz | -61.60 dBm | -26.60 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.38796 MHz | -49.78 dBm | -36.78 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.93611 MHz | -54.94 dBm | -41.94 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.42358 MHz | 19.91 dBm | -10.09 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.03122 MHz | -53.25 dBm | -40.25 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 792.51783 MHz | -48.76 dBm | -35.76 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.20130 MHz | -61.85 dBm | -26.85 dB |

Date: 8.JAN.2019 19:29:54

### Band Edge / Full RB



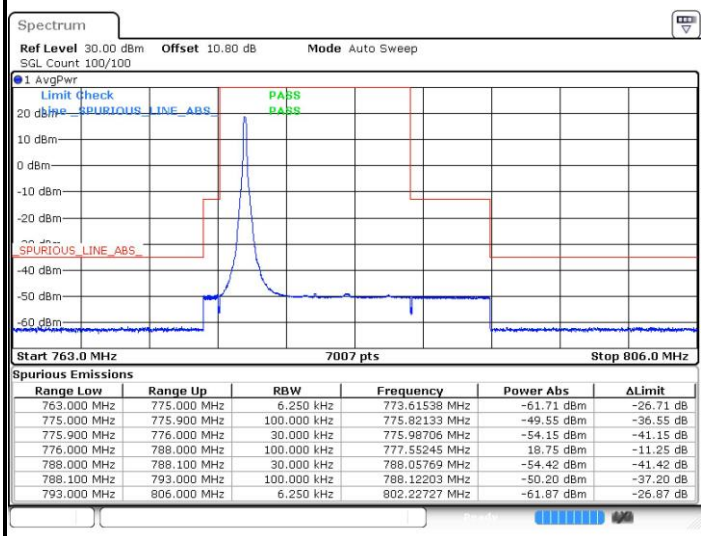

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 771.56543 MHz | -61.43 dBm | -26.43 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89865 MHz | -38.37 dBm | -25.37 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97647 MHz | -42.19 dBm | -29.19 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 783.39061 MHz | 2.91 dBm | -27.09 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.05669 MHz | -34.53 dBm | -21.53 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.10734 MHz | -30.75 dBm | -17.75 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.03247 MHz | -53.55 dBm | -18.55 dB |

Date: 8.JAN.2019 19:23:11

## LTE Band 13 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

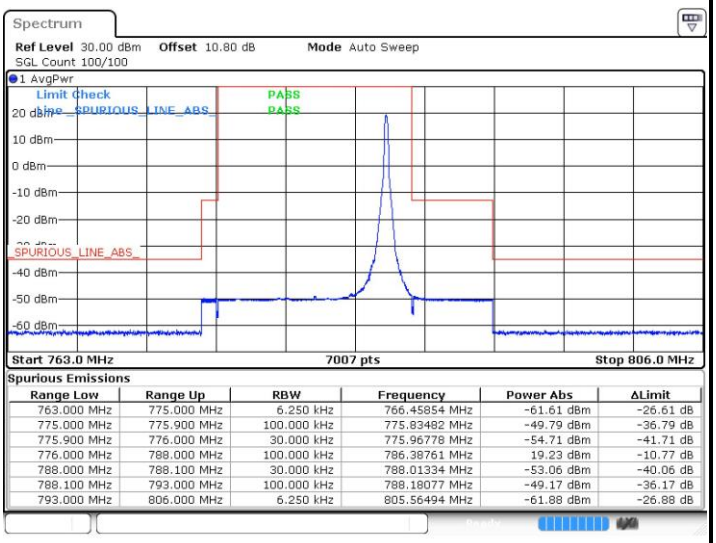



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 773.61538 MHz | -61.71 dBm | -26.71 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.82133 MHz | -49.55 dBm | -36.55 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.98706 MHz | -54.15 dBm | -41.15 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.55245 MHz | 18.75 dBm | -11.25 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.05769 MHz | -54.42 dBm | -41.42 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.12203 MHz | -50.20 dBm | -37.20 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.22727 MHz | -61.87 dBm | -26.87 dB |

Date: 8.JAN.2019 19:26:33

### Highest Band Edge / 1 RB

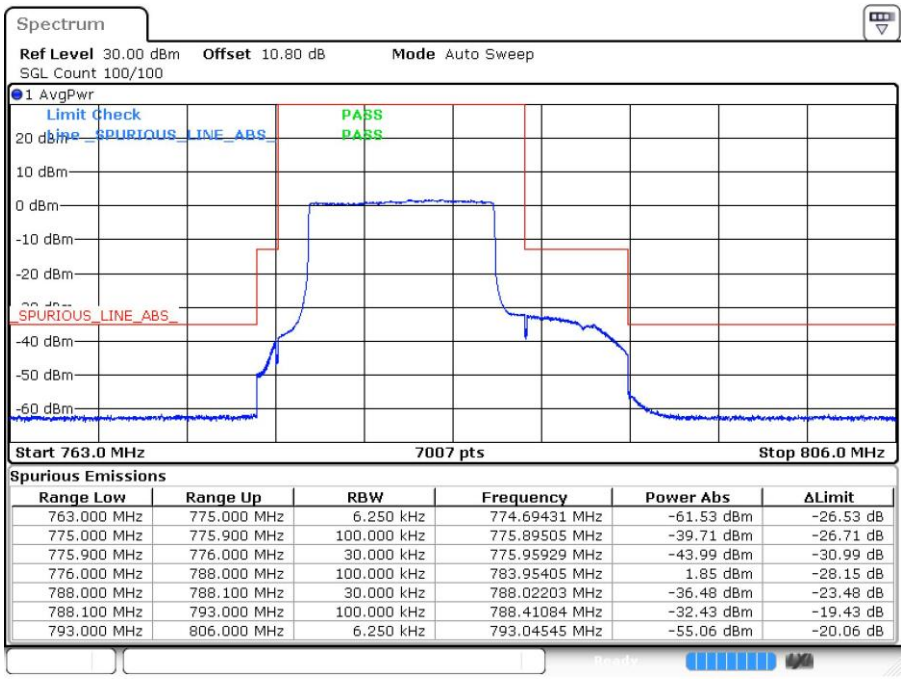



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 766.45854 MHz | -61.61 dBm | -26.61 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.83482 MHz | -49.79 dBm | -36.79 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.96778 MHz | -54.71 dBm | -41.71 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.38761 MHz | 19.23 dBm | -10.77 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.01334 MHz | -53.06 dBm | -40.06 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.18077 MHz | -49.17 dBm | -36.17 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 805.56494 MHz | -61.88 dBm | -26.88 dB |

Date: 8.JAN.2019 19:31:35

### Band Edge / Full RB



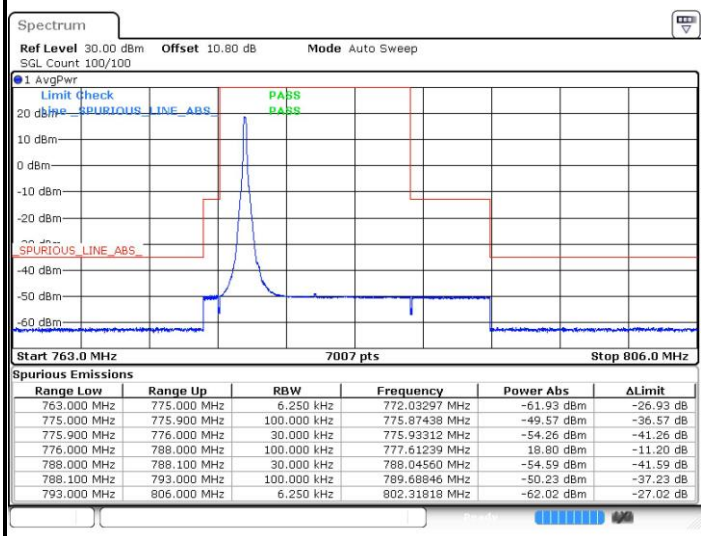

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.69431 MHz | -61.53 dBm | -26.53 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89505 MHz | -39.71 dBm | -26.71 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.95929 MHz | -43.99 dBm | -30.99 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 783.95405 MHz | 1.85 dBm | -28.15 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.02203 MHz | -36.48 dBm | -23.48 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.41084 MHz | -32.43 dBm | -19.43 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.04545 MHz | -55.06 dBm | -20.06 dB |

Date: 8.JAN.2019 19:24:52

## LTE Band 13 / 10MHz / 64QAM

### Lowest Band Edge / 1 RB

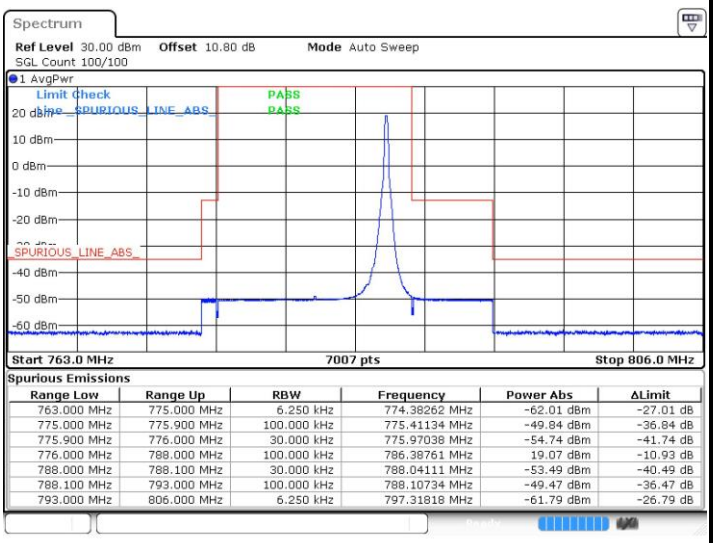



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 772.03297 MHz | -61.93 dBm | -26.93 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.87438 MHz | -49.57 dBm | -36.57 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.93312 MHz | -54.26 dBm | -41.26 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 777.61239 MHz | 18.80 dBm | -11.20 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04560 MHz | -54.59 dBm | -41.59 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 789.68846 MHz | -50.23 dBm | -37.23 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 802.31818 MHz | -62.02 dBm | -27.02 dB |

Date: 8.JAN.2019 19:37:20

### Highest Band Edge / 1 RB

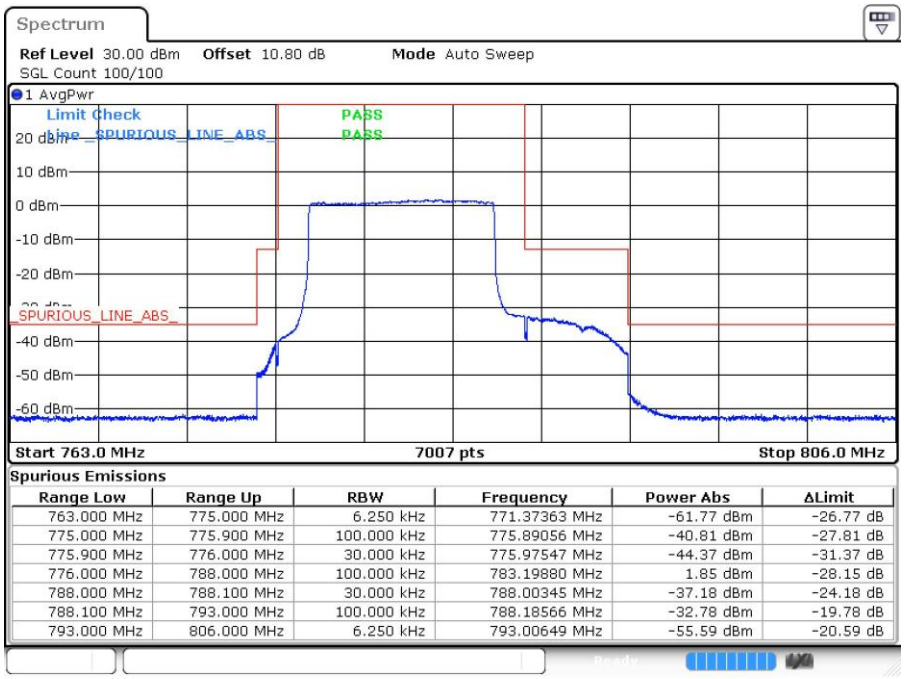



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 774.38262 MHz | -62.01 dBm | -27.01 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.41134 MHz | -49.84 dBm | -36.84 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97038 MHz | -54.74 dBm | -41.74 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 786.38761 MHz | 19.07 dBm | -10.93 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.04111 MHz | -53.49 dBm | -40.49 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.10734 MHz | -49.47 dBm | -36.47 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 797.31818 MHz | -61.79 dBm | -26.79 dB |

Date: 8.JAN.2019 19:39:01

### Band Edge / Full RB




Spurious Emissions

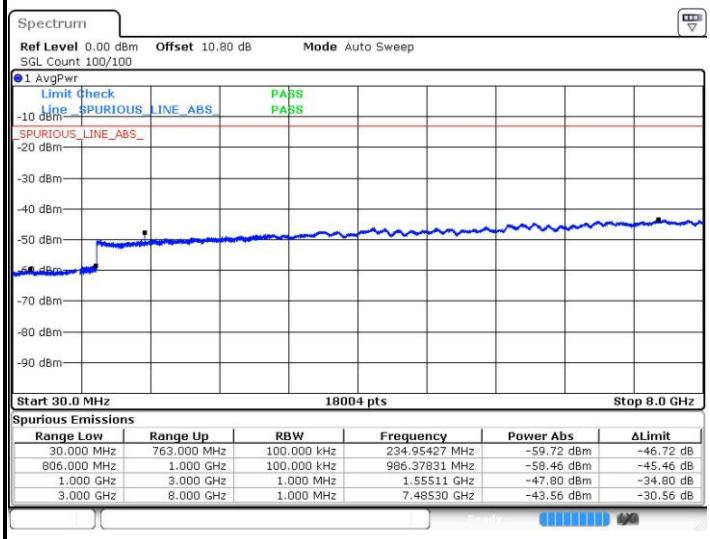
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 763.000 MHz | 775.000 MHz | 6.250 kHz | 771.37363 MHz | -61.77 dBm | -26.77 dB |
| 775.000 MHz | 775.900 MHz | 100.000 kHz | 775.89056 MHz | -40.81 dBm | -27.81 dB |
| 775.900 MHz | 776.000 MHz | 30.000 kHz | 775.97547 MHz | -44.37 dBm | -31.37 dB |
| 776.000 MHz | 788.000 MHz | 100.000 kHz | 783.19880 MHz | 1.85 dBm | -28.15 dB |
| 788.000 MHz | 788.100 MHz | 30.000 kHz | 788.00345 MHz | -37.18 dBm | -24.18 dB |
| 788.100 MHz | 793.000 MHz | 100.000 kHz | 788.18566 MHz | -32.78 dBm | -19.78 dB |
| 793.000 MHz | 806.000 MHz | 6.250 kHz | 793.00649 MHz | -55.59 dBm | -20.59 dB |

Date: 8.JAN.2019 19:35:39

# Conducted Spurious Emission

## LTE Band 13 / 5MHz

### Lowest Channel / QPSK

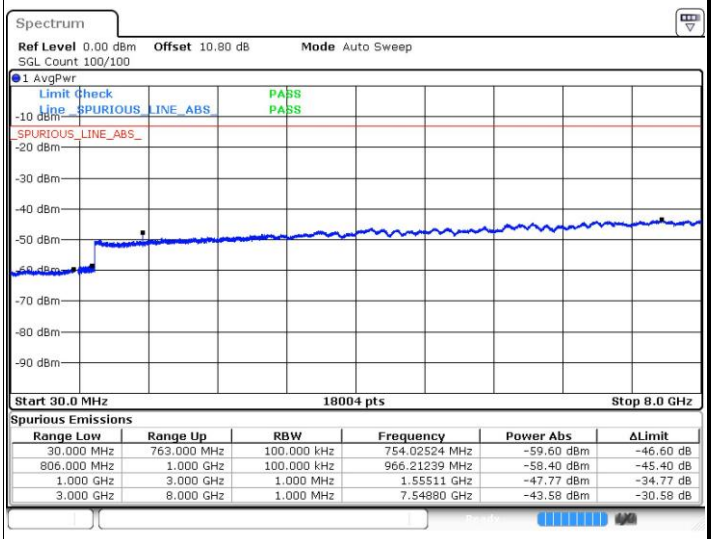



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 234.95427 MHz | -59.72 dBm | -46.72 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 986.37831 MHz | -58.46 dBm | -45.46 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55511 GHz | -47.80 dBm | -34.80 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.48530 GHz | -43.56 dBm | -30.56 dB |

Date: 8.JAN.2019 18:56:18

### Lowest Channel / 16QAM

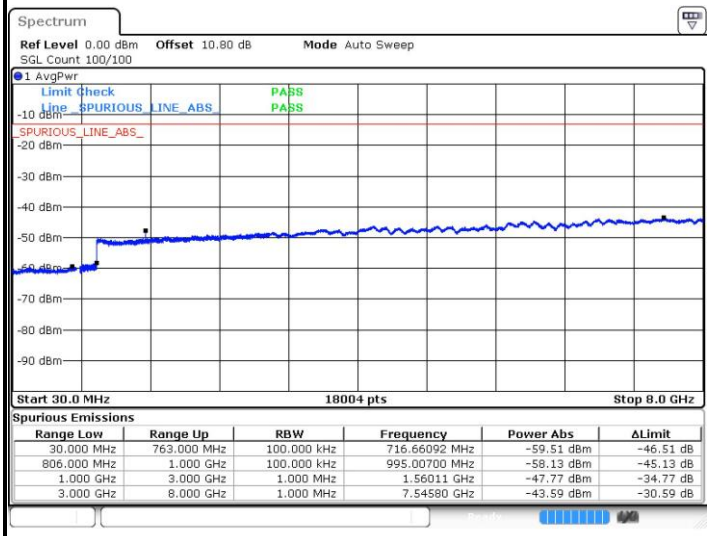



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 754.02524 MHz | -59.60 dBm | -46.60 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 966.21239 MHz | -58.40 dBm | -45.40 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55511 GHz | -47.77 dBm | -34.77 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.54880 GHz | -43.58 dBm | -30.58 dB |

Date: 8.JAN.2019 18:57:19

### Middle Channel / QPSK

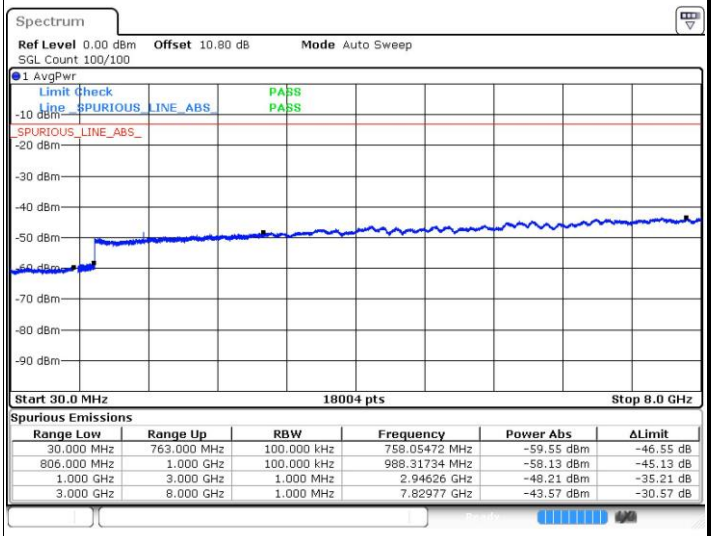



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 716.66092 MHz | -59.51 dBm | -46.51 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 995.00700 MHz | -58.13 dBm | -45.13 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56011 GHz | -47.77 dBm | -34.77 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.54580 GHz | -43.59 dBm | -30.59 dB |

Date: 8.JAN.2019 18:59:20

### Middle Channel / 16QAM



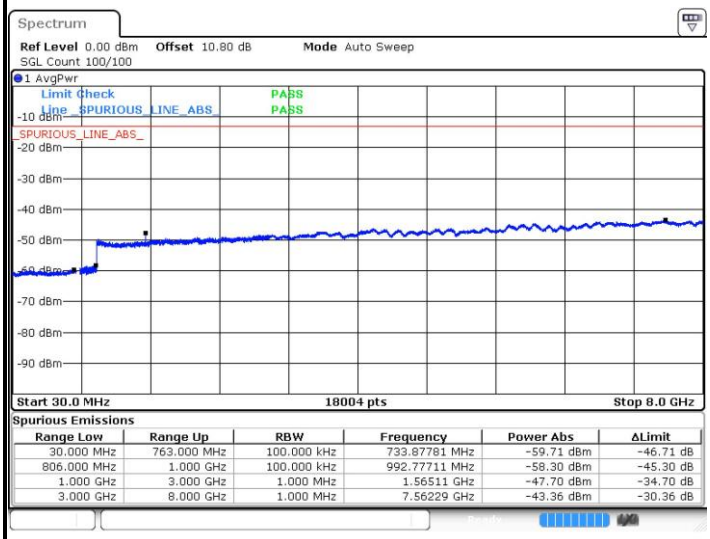

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 758.05472 MHz | -59.55 dBm | -46.55 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 988.31734 MHz | -58.13 dBm | -45.13 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.94626 GHz | -48.21 dBm | -35.21 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.82977 GHz | -43.57 dBm | -30.57 dB |

Date: 8.JAN.2019 18:58:19

## LTE Band 13 / 5MHz

### Highest Channel / QPSK

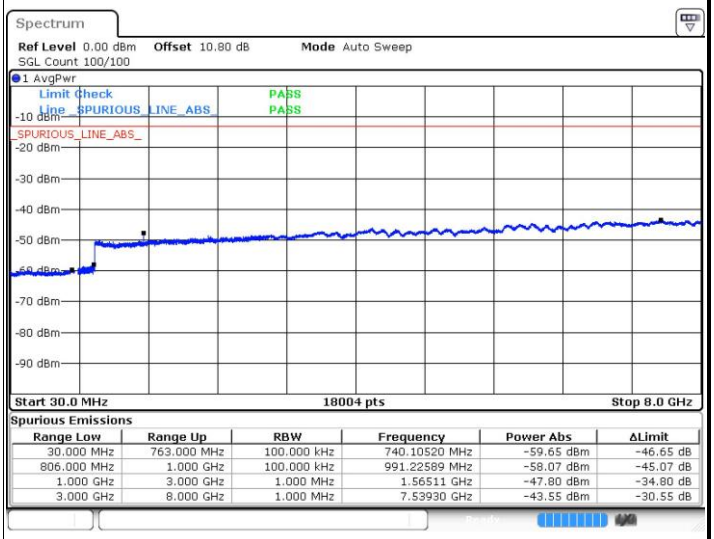



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 733.87781 MHz | -59.71 dBm | -46.71 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 992.77711 MHz | -58.30 dBm | -45.30 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56511 GHz | -47.70 dBm | -34.70 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.56229 GHz | -43.36 dBm | -30.36 dB |

Date: 8.JAN.2019 19:08:42

### Highest Channel / 16QAM



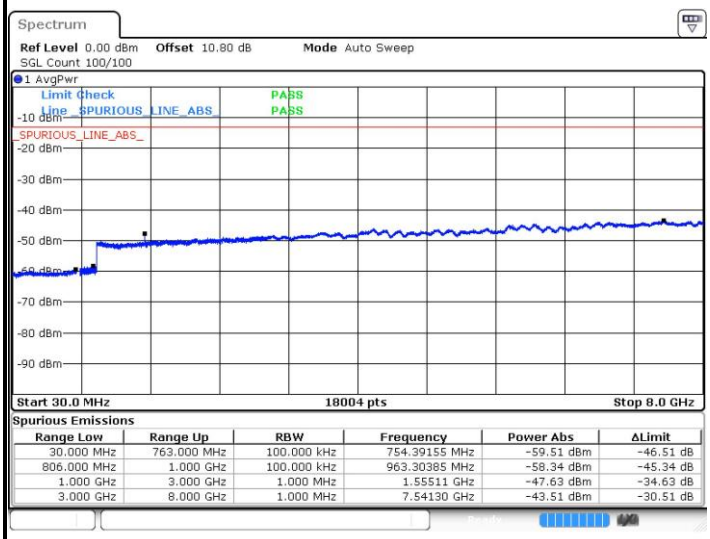

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 740.10520 MHz | -59.65 dBm | -46.65 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 991.22589 MHz | -58.07 dBm | -45.07 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56511 GHz | -47.80 dBm | -34.80 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.53930 GHz | -43.55 dBm | -30.55 dB |

Date: 8.JAN.2019 19:09:43

## LTE Band 13 / 10MHz

### Middle Channel / QPSK

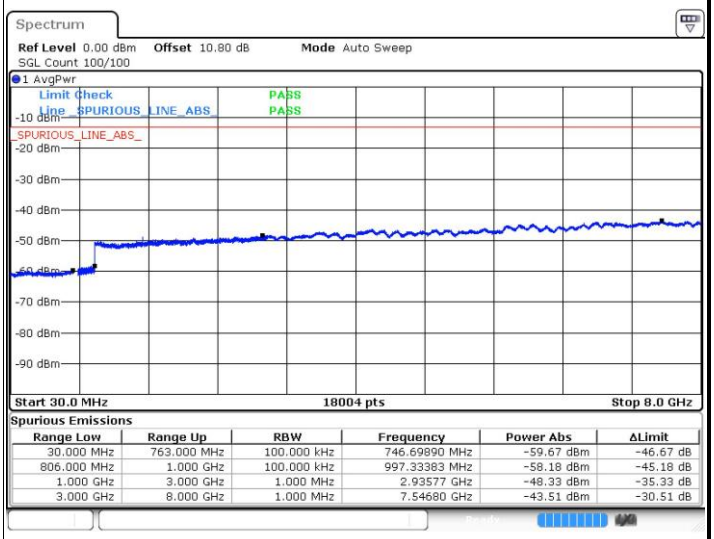



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 754.39155 MHz | -59.51 dBm | -46.51 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 963.30385 MHz | -58.34 dBm | -45.34 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55511 GHz | -47.63 dBm | -34.63 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.54130 GHz | -43.51 dBm | -30.51 dB |

Date: 8.JAN.2019 19:33:36

### Middle Channel / 16QAM



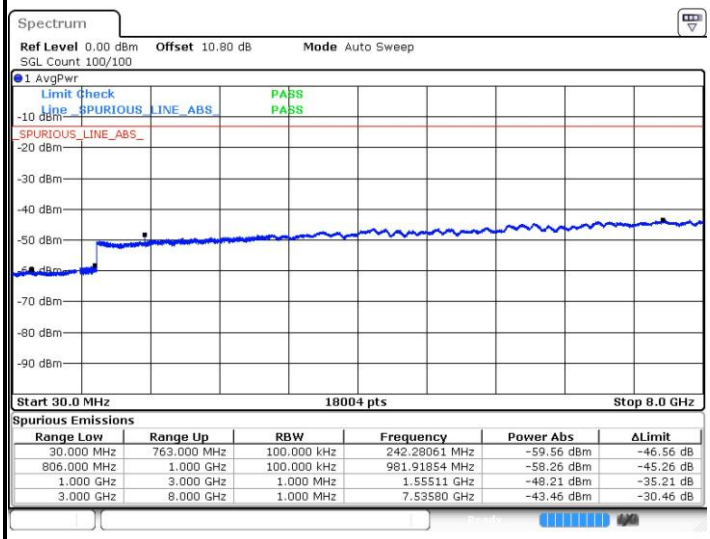

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 746.69890 MHz | -59.67 dBm | -46.67 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 997.33383 MHz | -58.18 dBm | -45.18 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.93577 GHz | -48.33 dBm | -35.33 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.54680 GHz | -43.51 dBm | -30.51 dB |

Date: 8.JAN.2019 19:32:36

## LTE Band 13 / 5MHz

### Lowest Channel / 64QAM

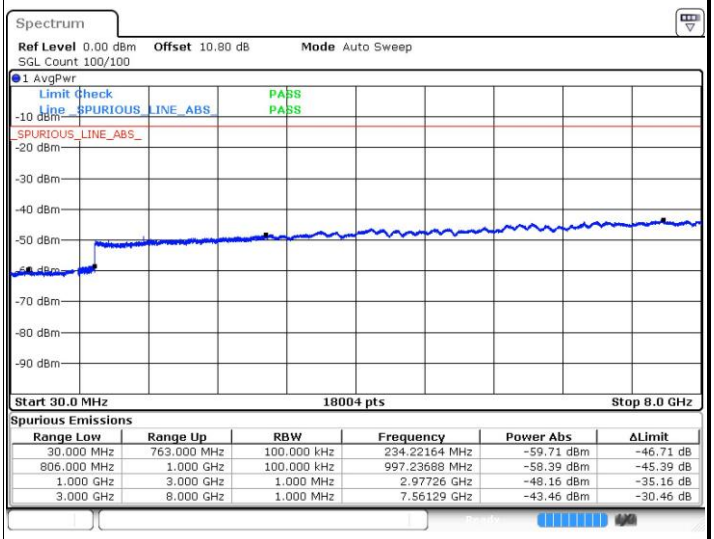



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 242.28061 MHz | -59.56 dBm | -46.56 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 981.91854 MHz | -58.26 dBm | -45.26 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55511 GHz | -48.21 dBm | -35.21 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.53580 GHz | -43.46 dBm | -30.46 dB |

Date: 8.JAN.2019 19:14:32

### Middle Channel / 64QAM

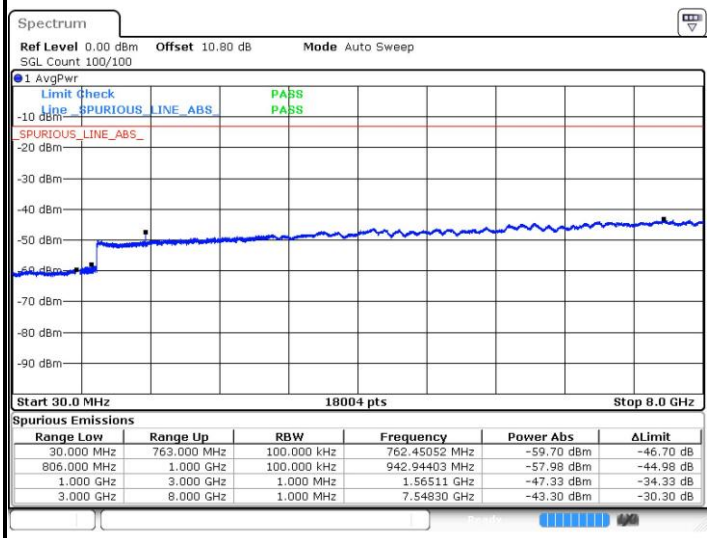



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 234.22164 MHz | -59.71 dBm | -46.71 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 997.23688 MHz | -58.39 dBm | -45.39 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.97726 GHz | -48.16 dBm | -35.16 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.56129 GHz | -43.46 dBm | -30.46 dB |

Date: 8.JAN.2019 19:15:32

### Highest Channel / 64QAM

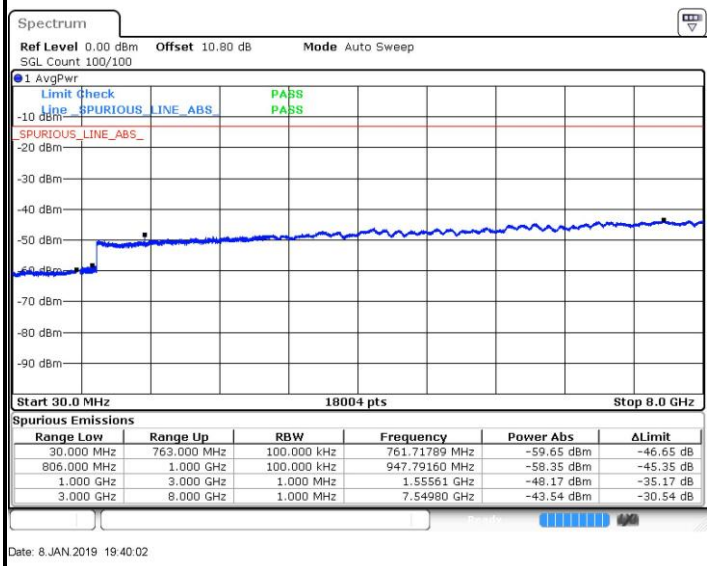



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 762.45052 MHz | -59.70 dBm | -46.70 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 942.94403 MHz | -57.98 dBm | -44.98 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56511 GHz | -47.33 dBm | -34.33 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.54830 GHz | -43.30 dBm | -30.30 dB |

Date: 8.JAN.2019 19:20:43

| LTE Band 13 / 10MHz | |
|---|---|
| **Middle Channel / 64QAM** | |




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 763.000 MHz | 100.000 kHz | 761.71789 MHz | -59.65 dBm | -46.65 dB |
| 806.000 MHz | 1.000 GHz | 100.000 kHz | 947.79160 MHz | -58.35 dBm | -45.35 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55561 GHz | -48.17 dBm | -35.17 dB |
| 3.000 GHz | 8.000 GHz | 1.000 MHz | 7.54980 GHz | -43.54 dBm | -30.54 dB |

# Frequency Stability

| Test Conditions | | LTE Band 13 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0010 | PASS |
| 40 | Normal Voltage | 0.0082 | |
| 30 | Normal Voltage | 0.0009 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0104 | |
| 0 | Normal Voltage | 0.0086 | |
| -10 | Normal Voltage | 0.0106 | |
| -20 | Normal Voltage | 0.0005 | |
| -30 | Normal Voltage | 0.0009 | |
| 20 | Maximum Voltage | 0.0101 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0086 | |

**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.

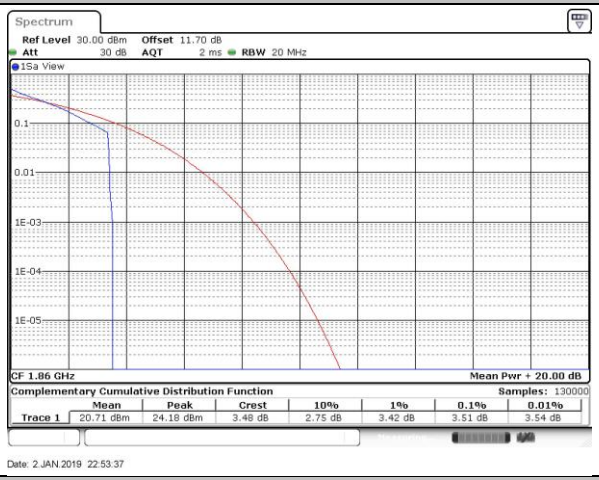
# LTE Band 25

## Peak-to-Average Ratio

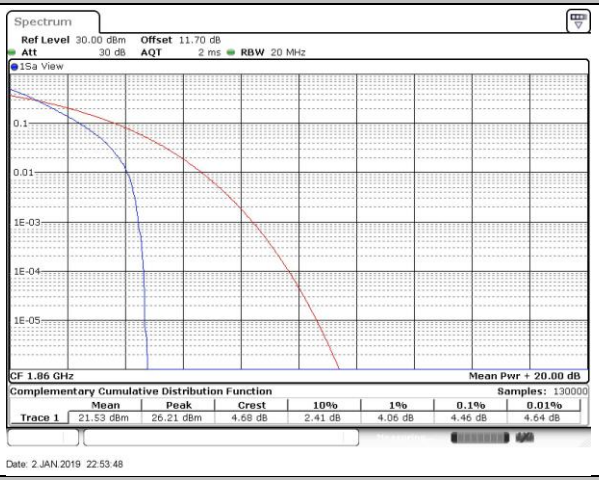
| Mode | LTE Band 25 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.51 | 4.46 | 4.06 | 5.57 | PASS |
| Middle CH | 3.51 | 4.43 | 4.23 | 5.51 | |
| Highest CH | 3.54 | 4.7 | 4.23 | 5.59 | |
| Mode | LTE Band 25 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.36 | 6.20 | - | - | PASS |
| Middle CH | 5.36 | 6.29 | - | - | |
| Highest CH | 5.48 | 6.17 | - | - | |

## LTE Band 25 / 20MHz / QPSK

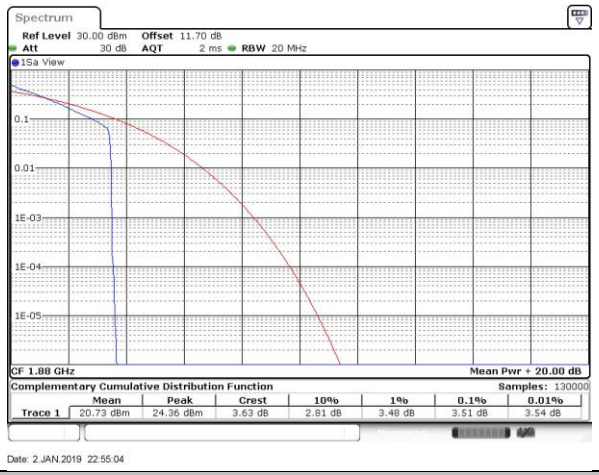
### Lowest Channel / 1RB



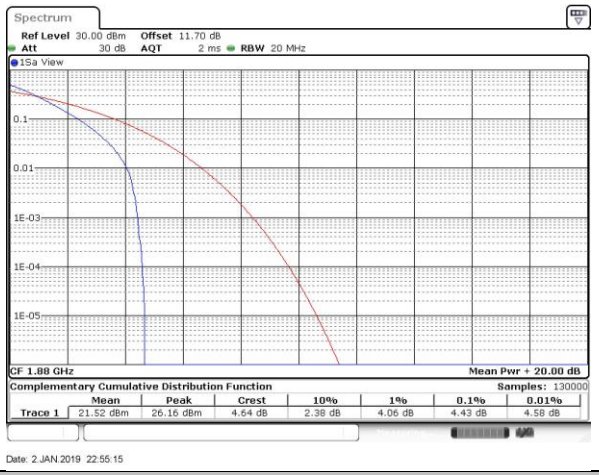

### Lowest Channel / Full RB



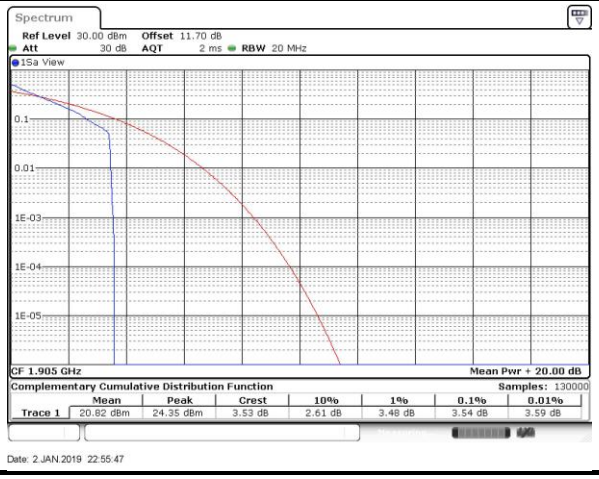

### Middle Channel / 1RB



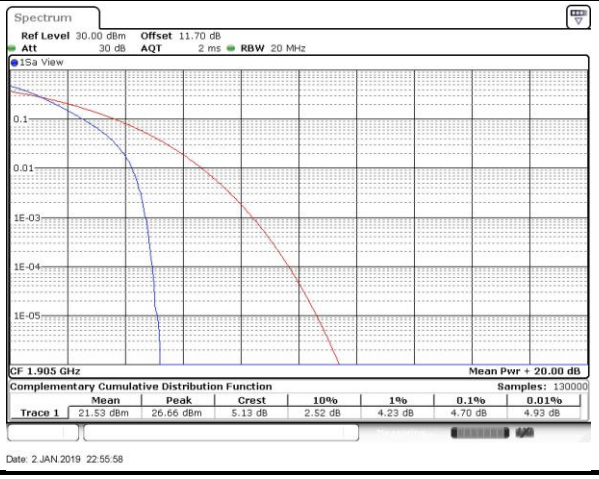

### Middle Channel / Full RB




### Highest Channel / 1RB

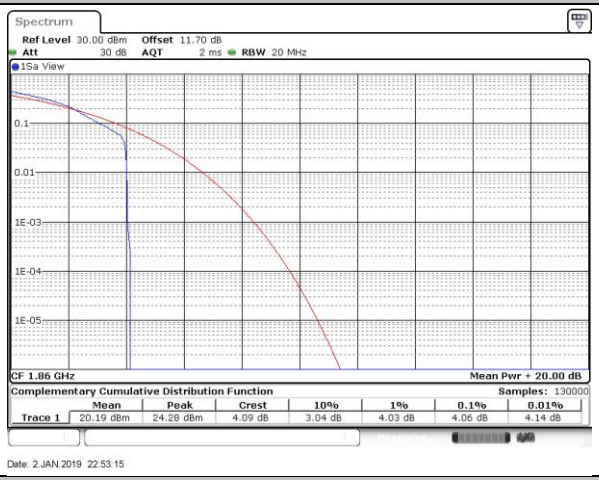



### Highest Channel / Full RB

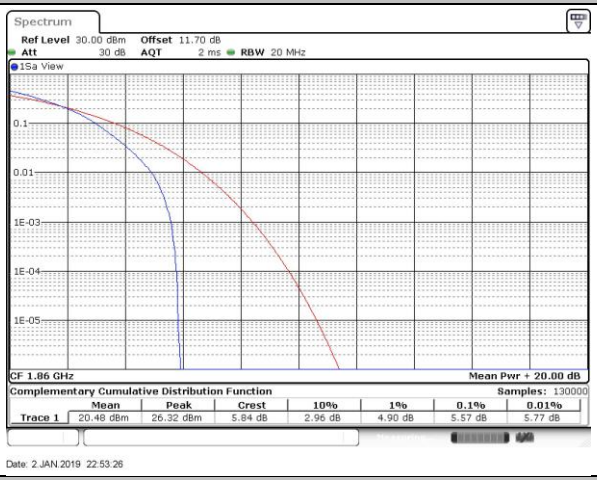


## LTE Band 25 / 20MHz / 16QAM

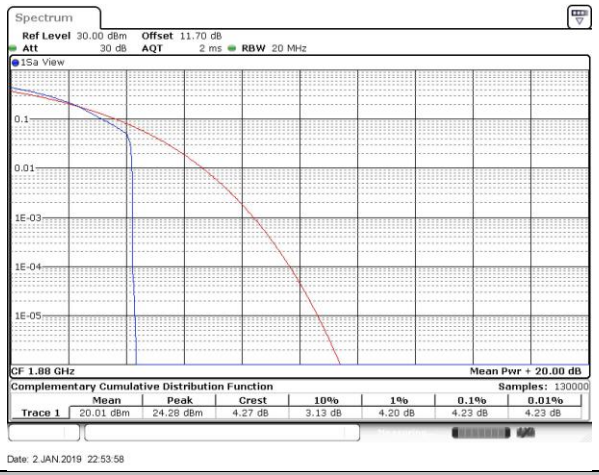
### Lowest Channel / 1RB



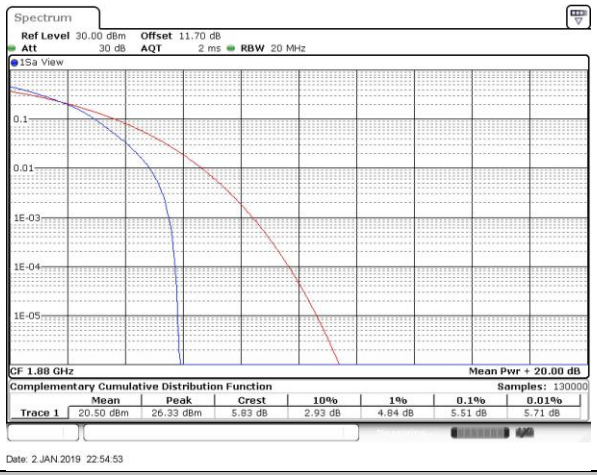

### Lowest Channel / Full RB



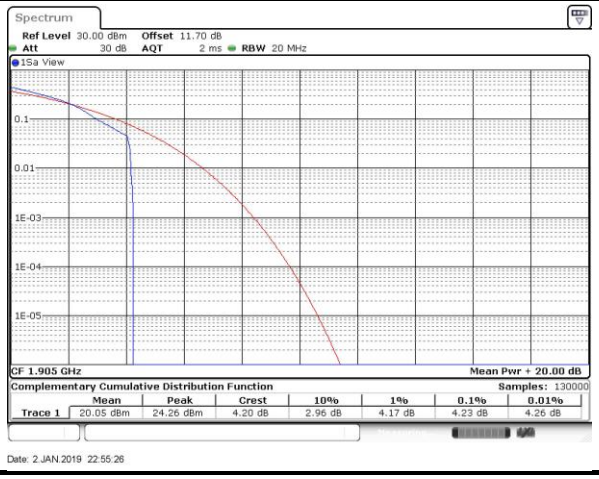

### Middle Channel / 1RB



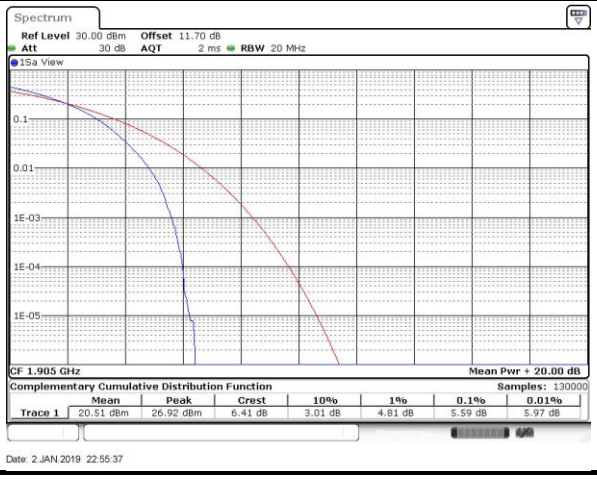

### Middle Channel / Full RB




### Highest Channel / 1RB



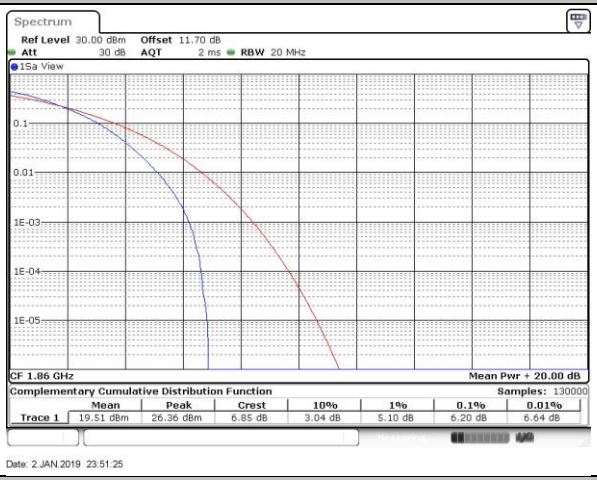

### Highest Channel / Full RB



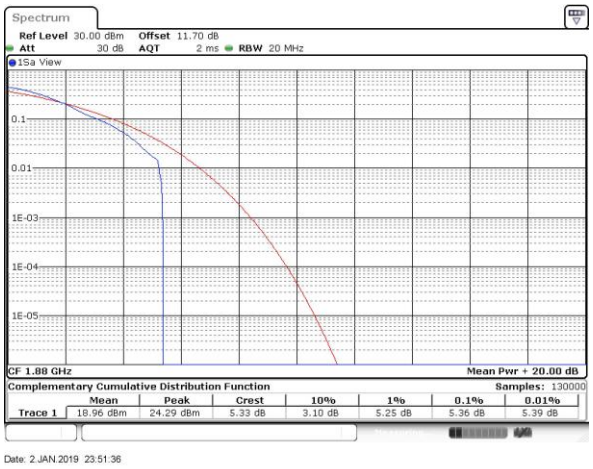
## LTE Band 25 / 20MHz / 64QAM

### Lowest Channel / 1RB

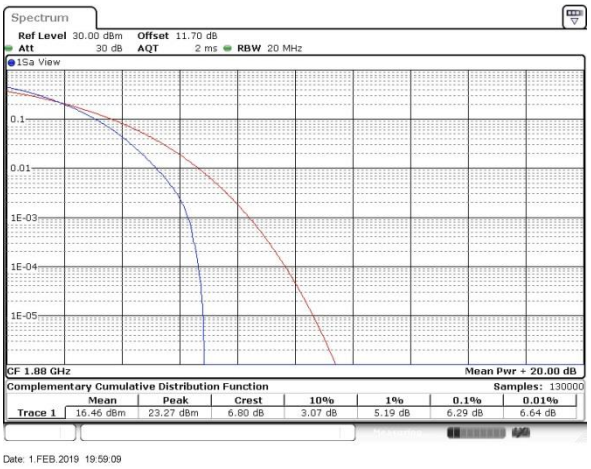
### Lowest Channel / Full RB



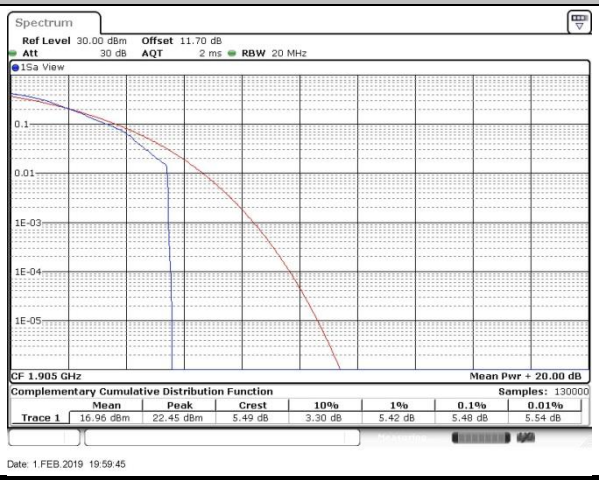

### Middle Channel / 1RB



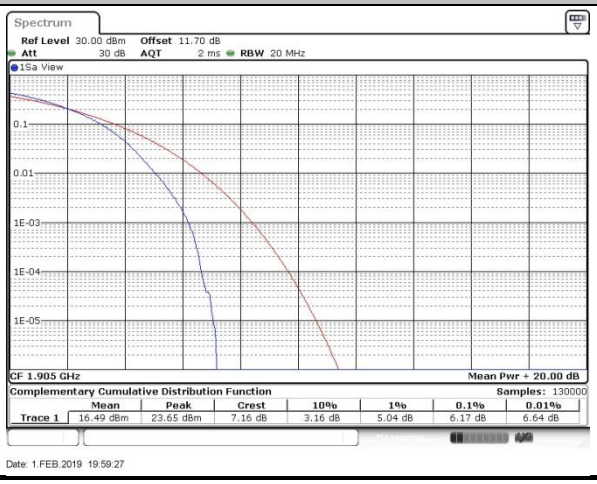

### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB

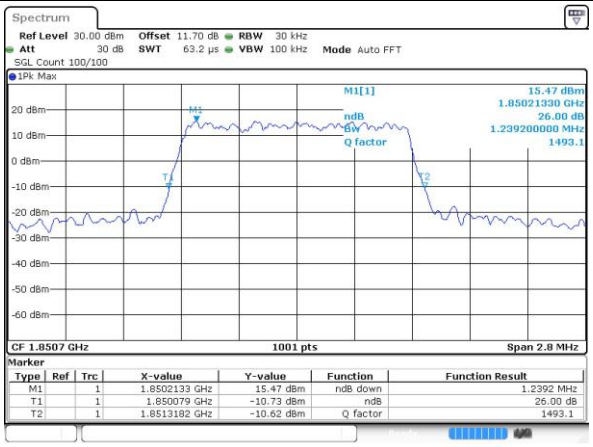


# 26dB Bandwidth

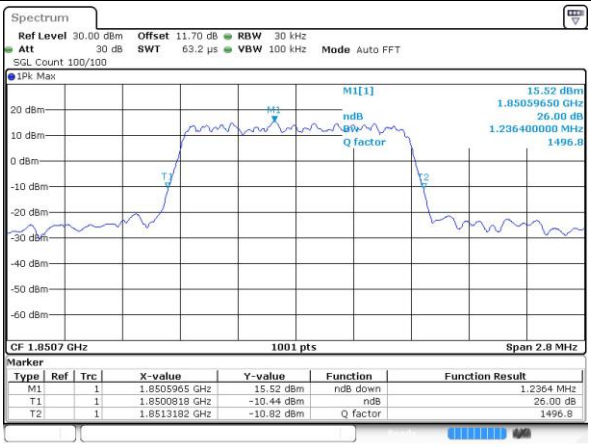
| Mode | LTE Band 25 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.24 | 1.24 | 3.04 | 3.02 | 4.93 | 4.91 | 9.77 | 9.89 | 14.33 | 14.45 | 20.14 | 20.22 |
| Middle CH | 1.23 | 1.23 | 3.00 | 2.99 | 4.88 | 4.81 | 9.85 | 9.81 | 14.45 | 14.48 | 20.14 | 20.38 |
| Highest CH | 1.22 | 1.22 | 2.99 | 3.01 | 4.93 | 4.92 | 9.77 | 9.77 | 14.45 | 14.51 | 20.18 | 20.14 |
| Mode | LTE Band 25 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.22 | - | 3.03 | - | 4.95 | - | 9.87 | - | 14.36 | - | 20.22 | - |
| Middle CH | 1.22 | - | 3.06 | - | 4.93 | - | 9.85 | - | 14.30 | - | 20.06 | - |
| Highest CH | 1.23 | - | 3.04 | - | 4.89 | - | 9.75 | - | 14.39 | - | 20.34 | - |

## LTE Band 25

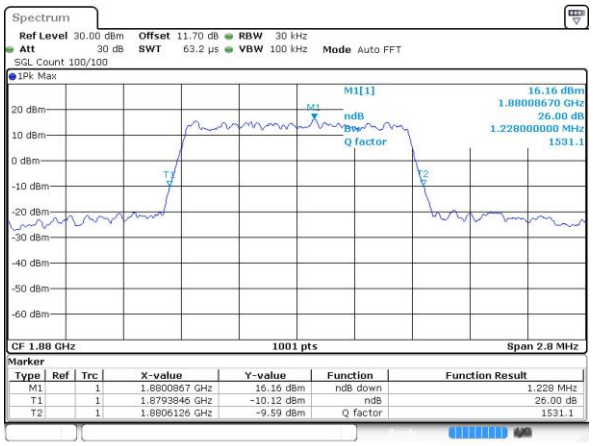
### Lowest Channel / 1.4MHz / QPSK



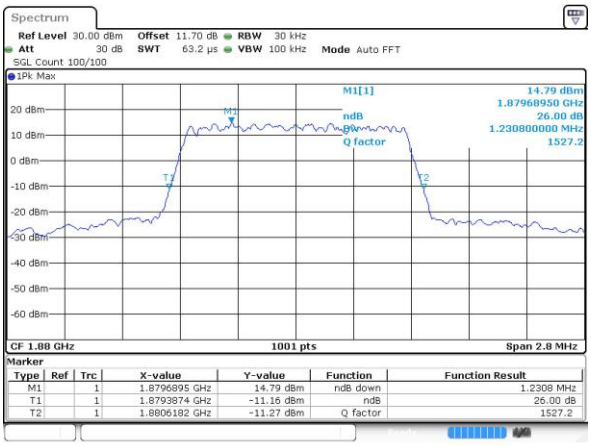

### Lowest Channel / 1.4MHz / 16QAM



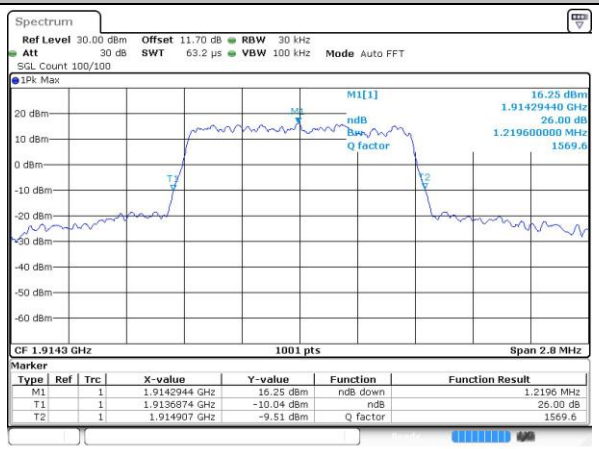

### Middle Channel / 1.4MHz / QPSK



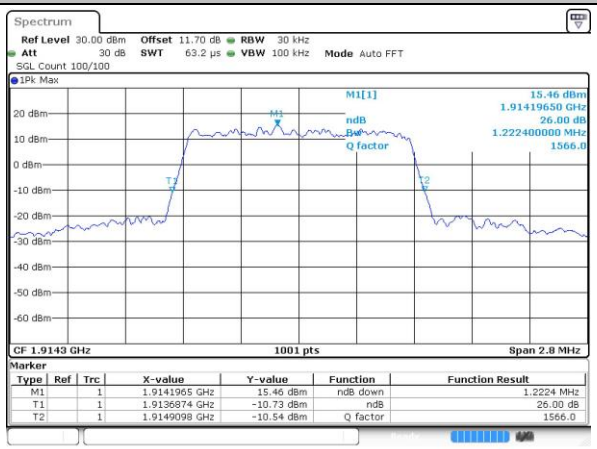

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

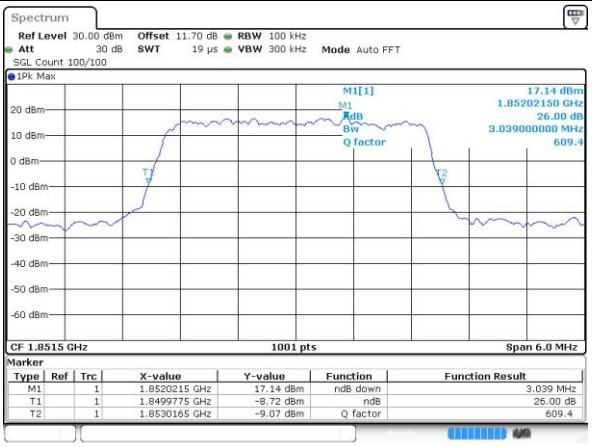



### Highest Channel / 1.4MHz / 16QAM

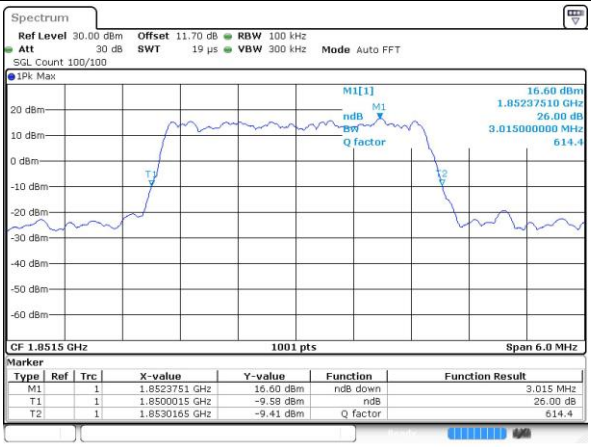


## LTE Band 25

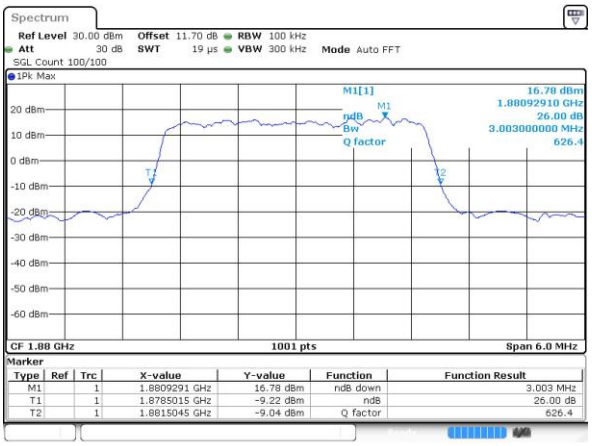
### Lowest Channel / 3MHz / QPSK



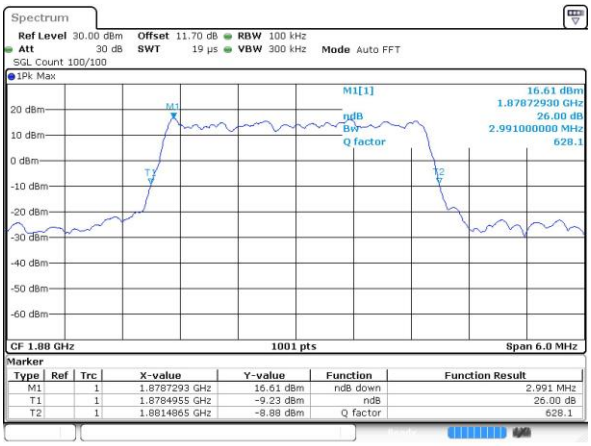

### Lowest Channel / 3MHz / 16QAM



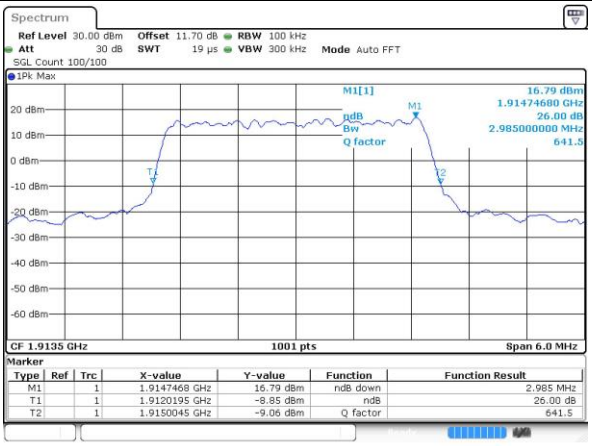

### Middle Channel / 3MHz / QPSK



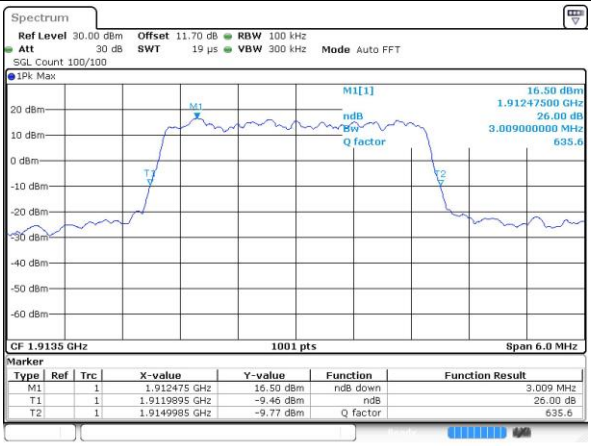

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

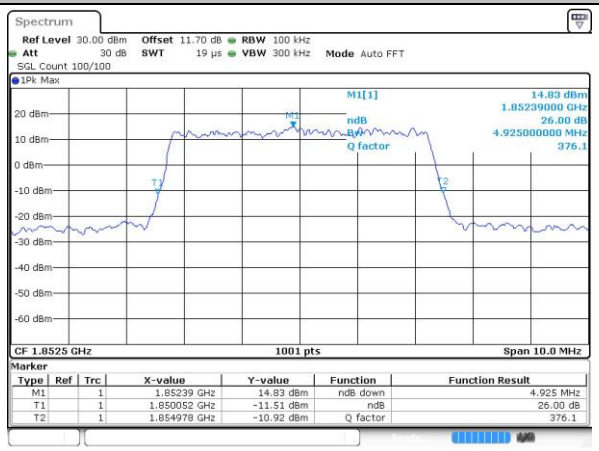



### Highest Channel / 3MHz / 16QAM

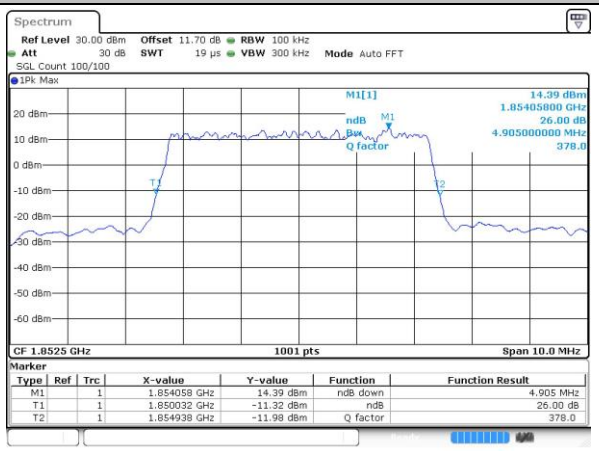


## LTE Band 25

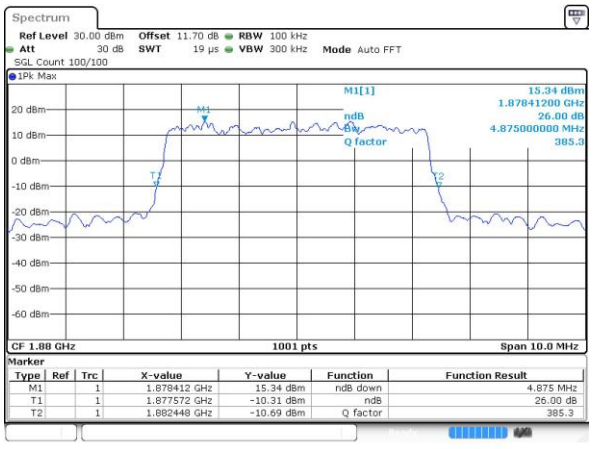
### Lowest Channel / 5MHz / QPSK



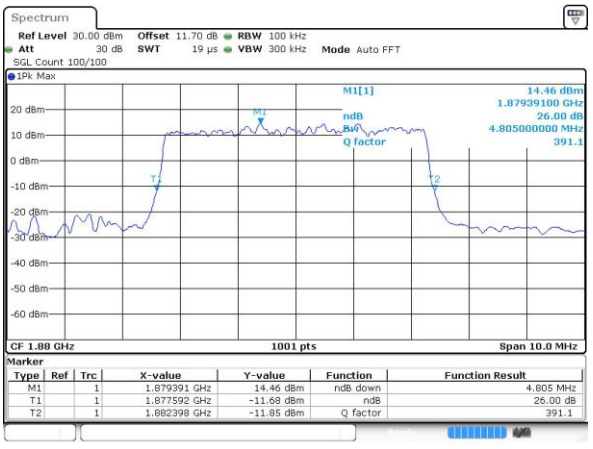

### Lowest Channel / 5MHz / 16QAM



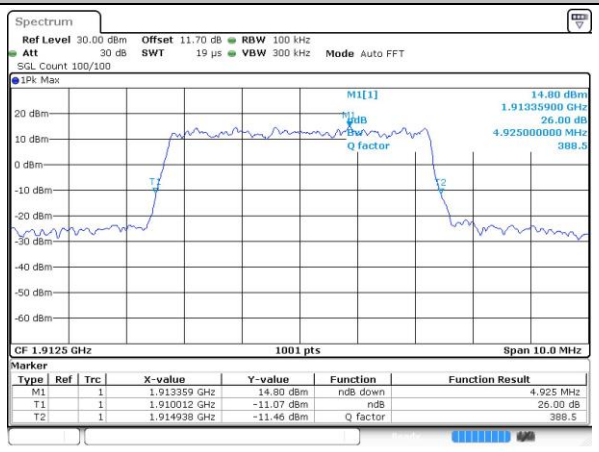

### Middle Channel / 5MHz / QPSK



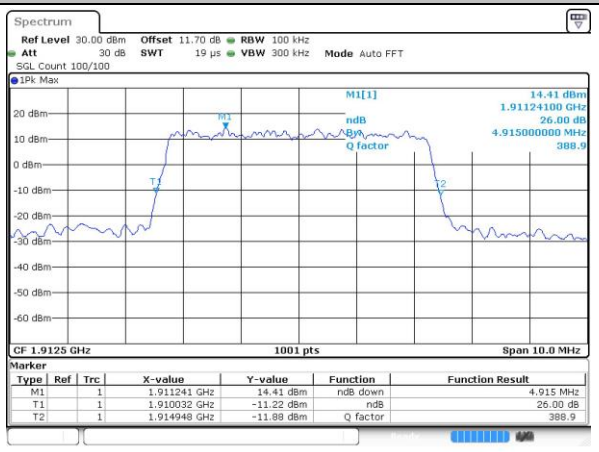

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

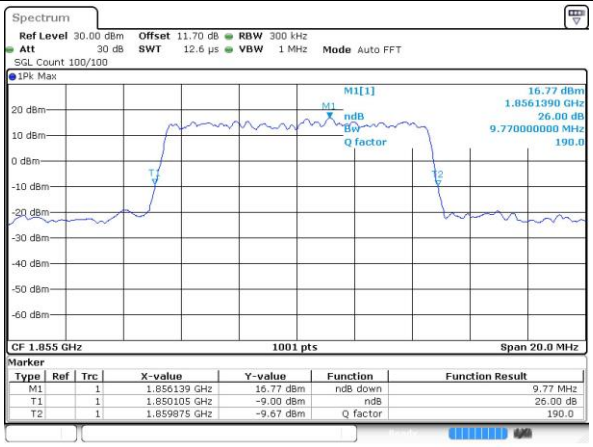



### Highest Channel / 5MHz / 16QAM

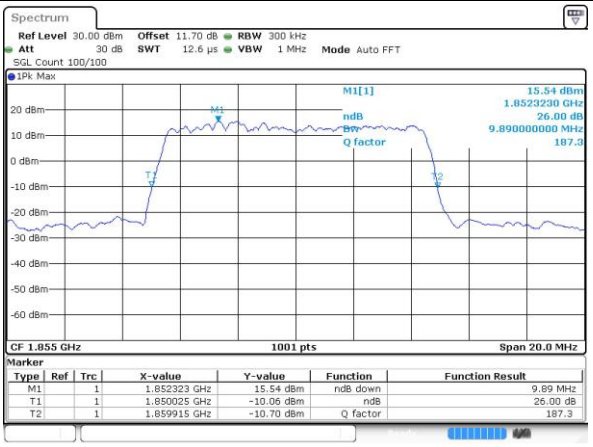


## LTE Band 25

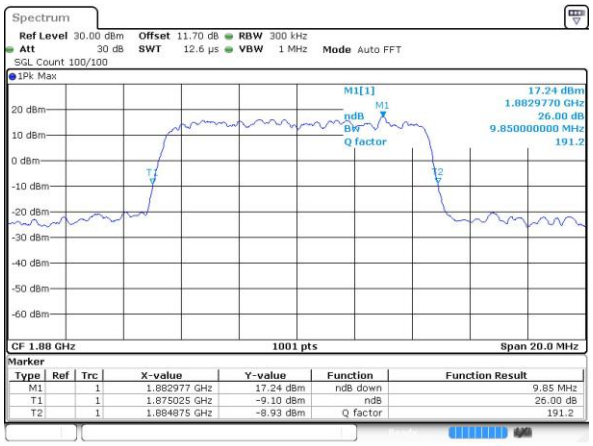
### Lowest Channel / 10MHz / QPSK



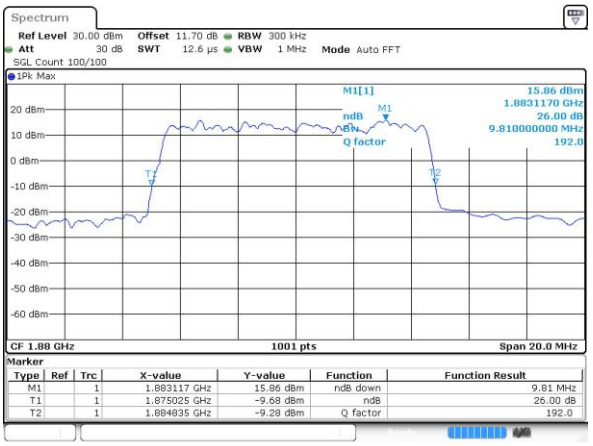

### Lowest Channel / 10MHz / 16QAM



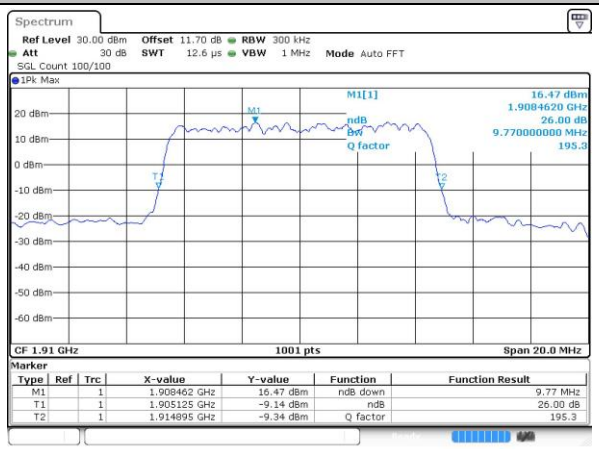

### Middle Channel / 10MHz / QPSK

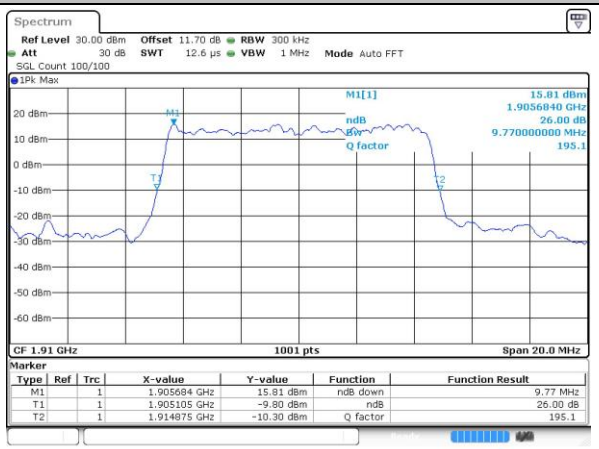



### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK




### Highest Channel / 10MHz / 16QAM