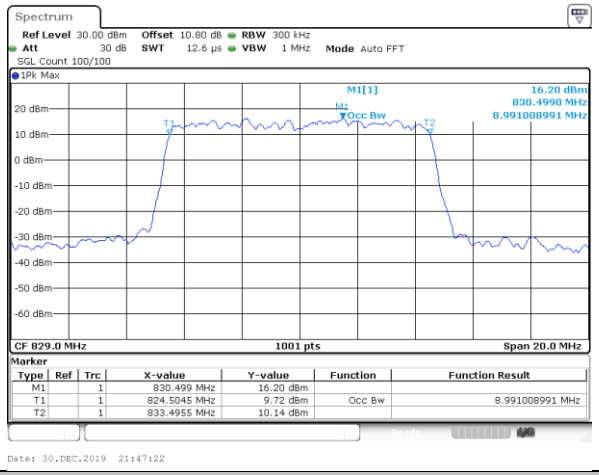
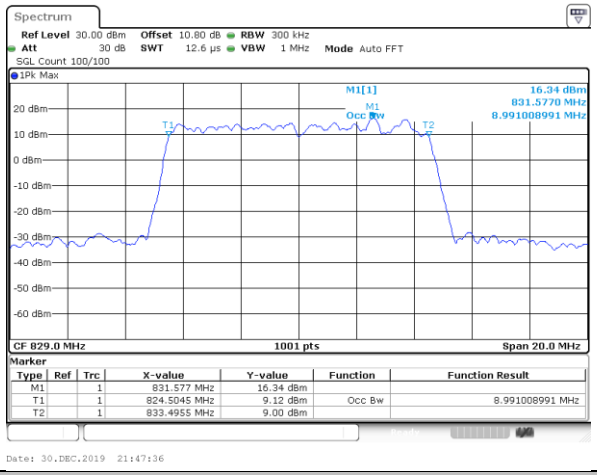
## LTE Band 5

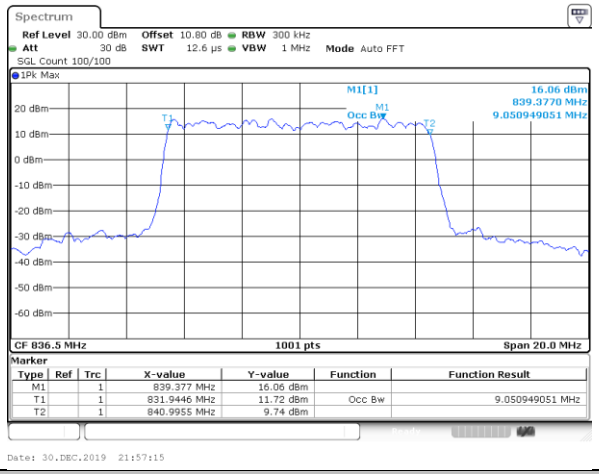
### Lowest Channel / 10MHz / QPSK



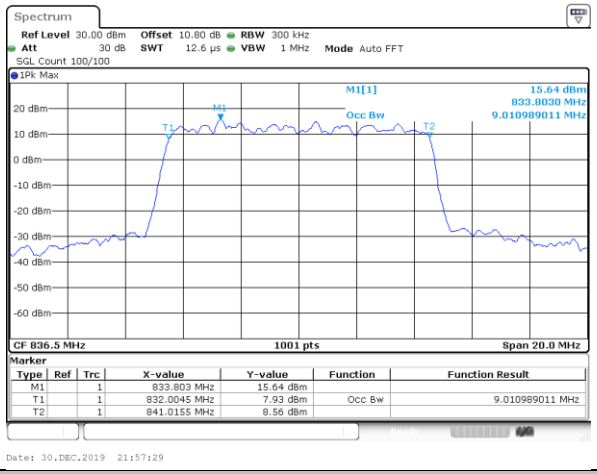

### Lowest Channel / 10MHz / 16QAM



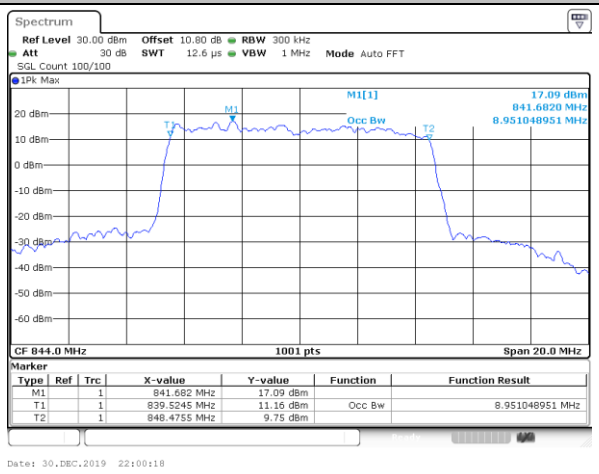

### Middle Channel / 10MHz / QPSK



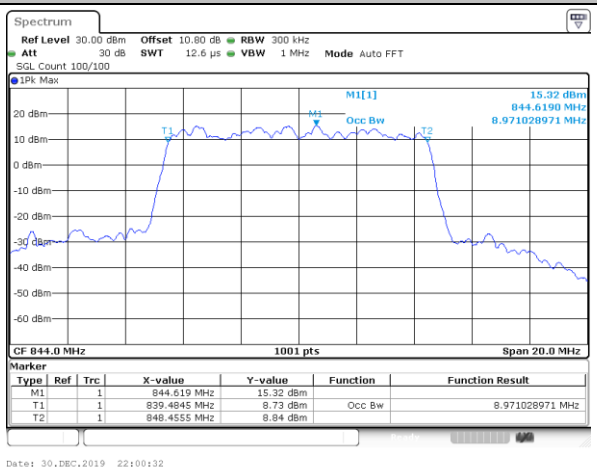

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

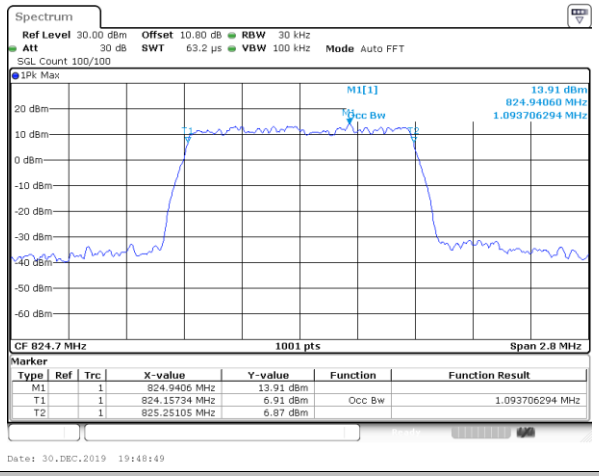



### Highest Channel / 10MHz / 16QAM

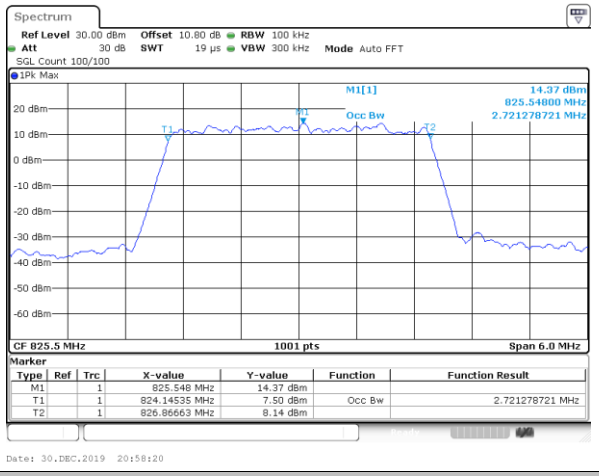


## LTE Band 5

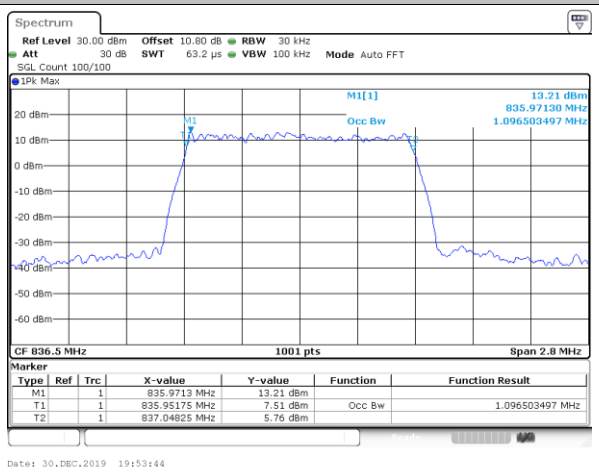
### Lowest Channel / 1.4MHz / 64QAM



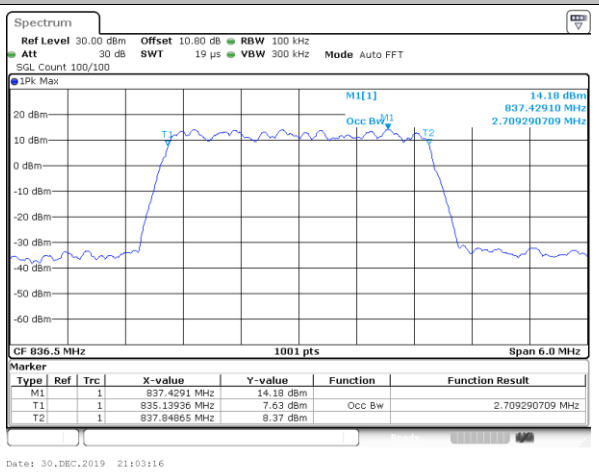

### Lowest Channel / 3MHz / 64QAM



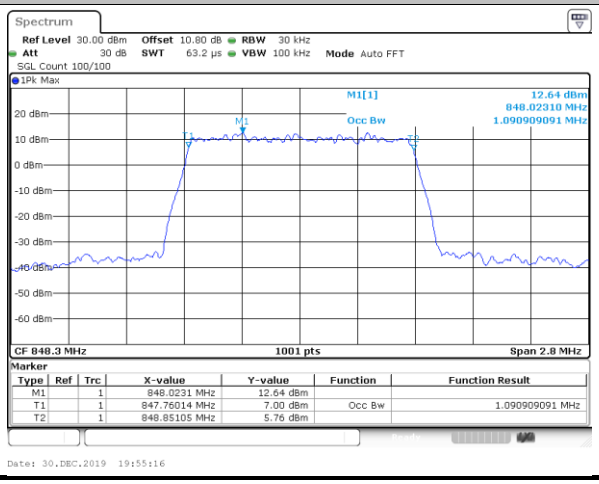

### Middle Channel / 1.4MHz / 64QAM



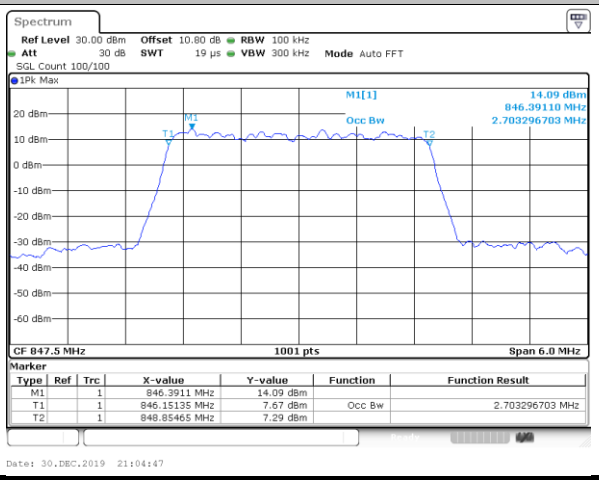

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 1.4MHz / 64QAM

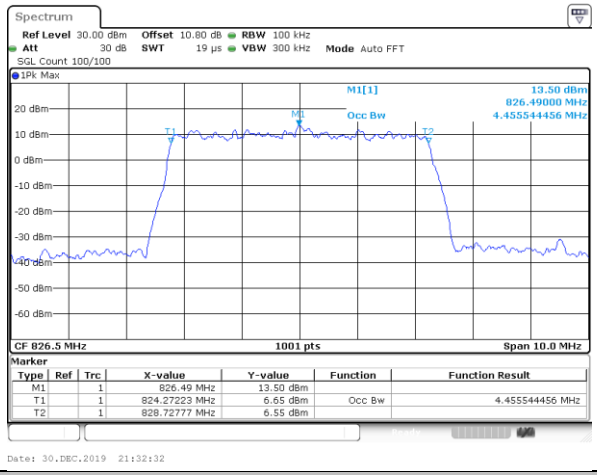



### Highest Channel / 3MHz / 64QAM

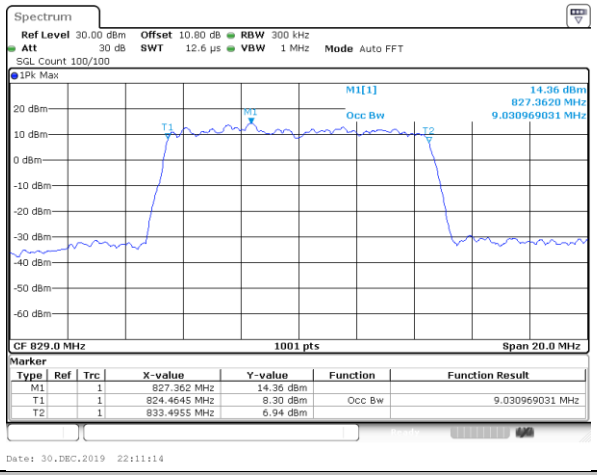


## LTE Band 5

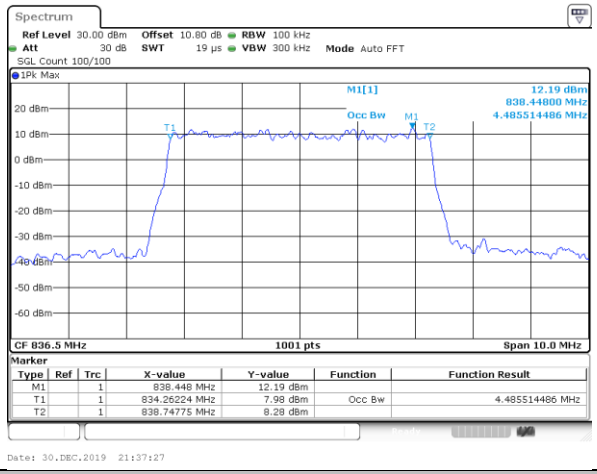
### Lowest Channel / 5MHz / 64QAM



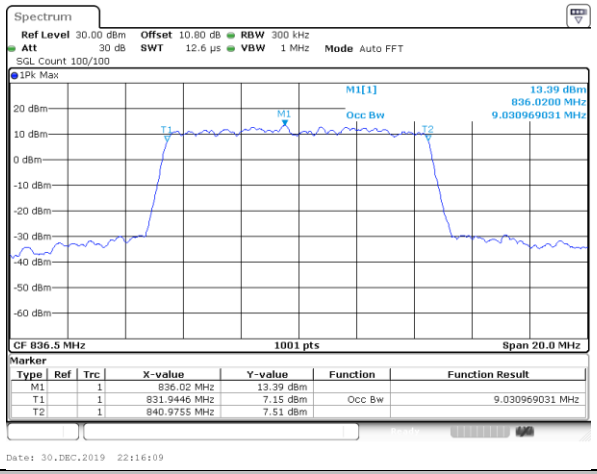

### Lowest Channel / 10MHz / 64QAM



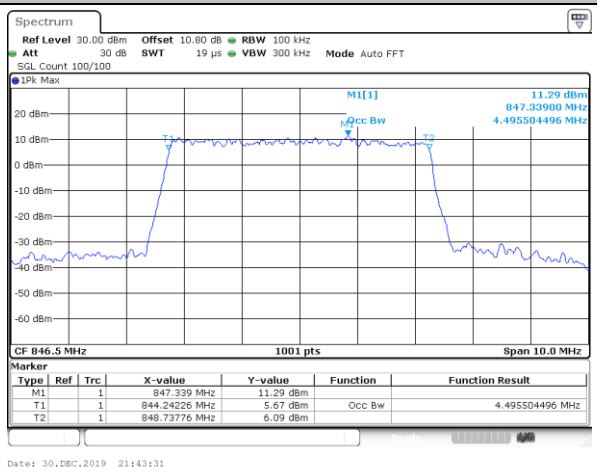

### Middle Channel / 5MHz / 64QAM



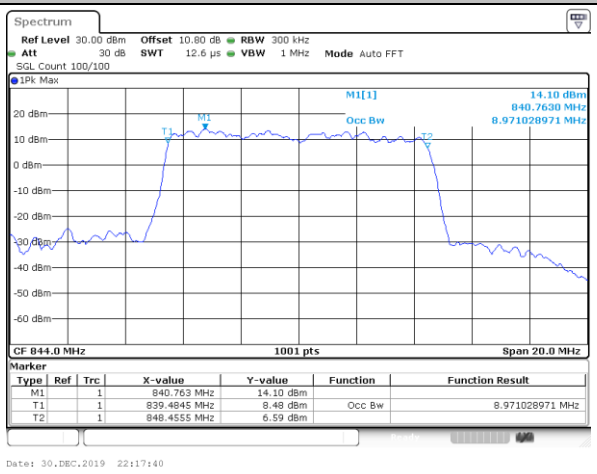

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM



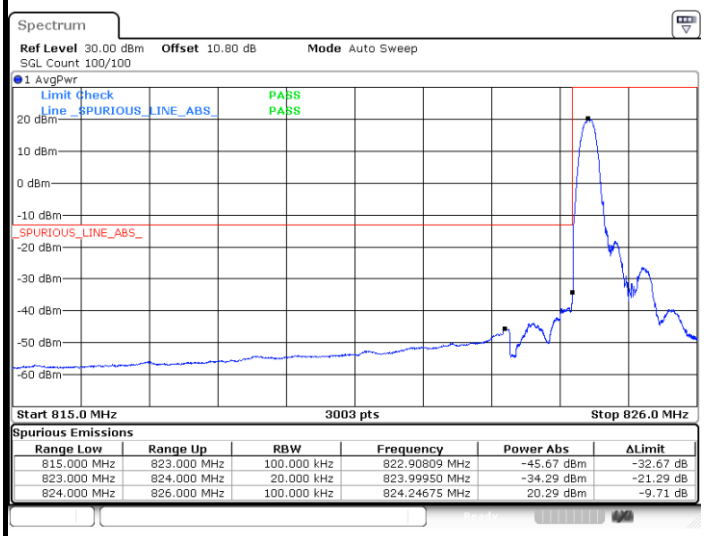

### Highest Channel / 10MHz / 64QAM



# Conducted Band Edge

## LTE Band 5 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB

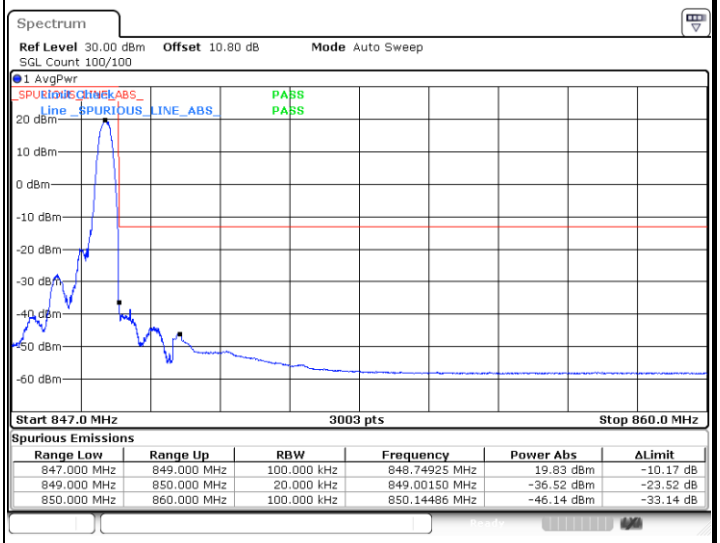



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.90809 MHz | -45.67 dBm | -32.67 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -34.29 dBm | -21.29 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.24675 MHz | 20.29 dBm | -9.71 dB |

Date: 30.DEC.2019 19:28:27

### Highest Band Edge / 1RB

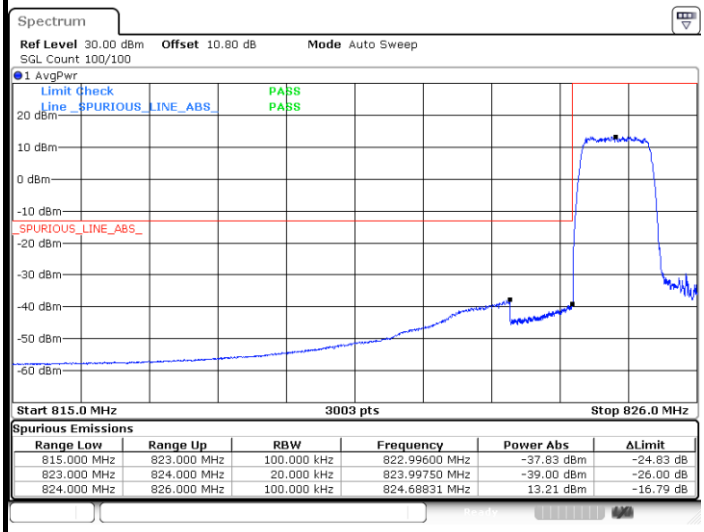



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.74925 MHz | 19.83 dBm | -10.17 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00150 MHz | -36.52 dBm | -23.52 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.14486 MHz | -46.14 dBm | -33.14 dB |

Date: 30.DEC.2019 19:44:45

### Lowest Band Edge / Full RB

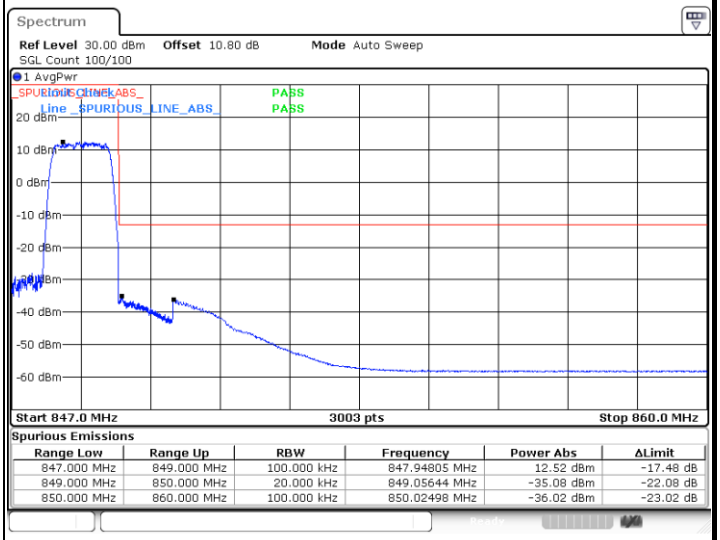



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -37.83 dBm | -24.83 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99750 MHz | -39.00 dBm | -26.00 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.68831 MHz | 13.21 dBm | -16.79 dB |

Date: 30.DEC.2019 19:31:51

### Highest Band Edge / Full RB



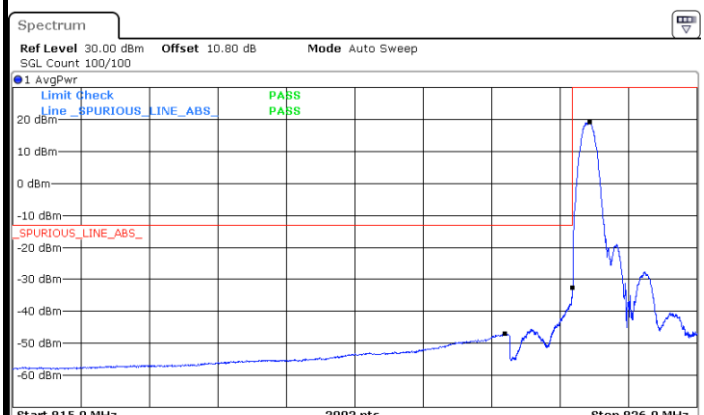

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 847.94805 MHz | 12.52 dBm | -17.48 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.05644 MHz | -35.08 dBm | -22.08 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.02498 MHz | -36.02 dBm | -23.02 dB |

Date: 30.DEC.2019 19:41:21

## LTE Band 5 / 1.4MHz / 16QAM

### Lowest Band Edge / 1 RB

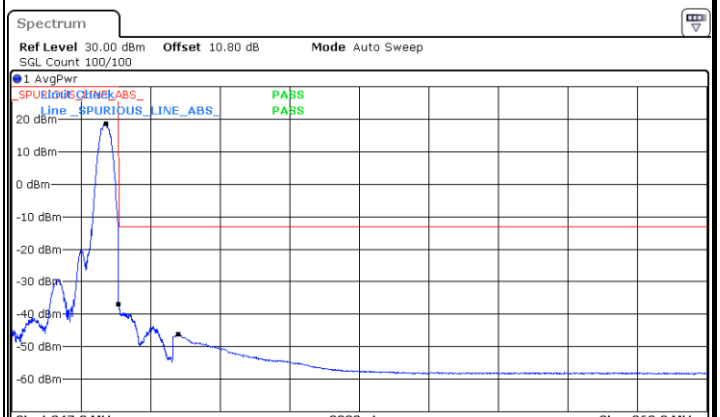



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.90809 MHz | -47.03 dBm | -34.03 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -32.47 dBm | -19.47 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.27073 MHz | 19.08 dBm | -10.92 dB |

Date: 30.DEC.2019 19:30:09

### Highest Band Edge / 1 RB

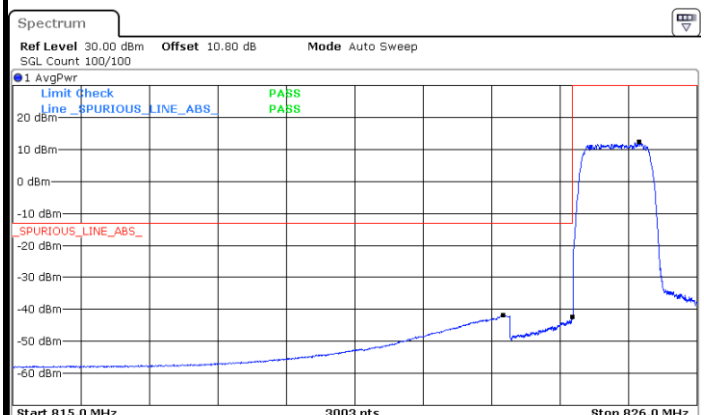



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.75524 MHz | 18.70 dBm | -11.30 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -36.91 dBm | -23.91 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.10490 MHz | -46.21 dBm | -33.21 dB |

Date: 30.DEC.2019 19:46:26

### Lowest Band Edge / Full RB

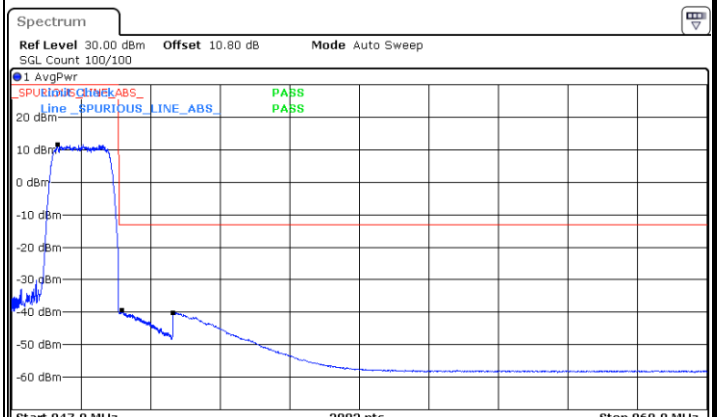



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.87612 MHz | -41.75 dBm | -28.75 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -42.30 dBm | -29.30 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 825.06593 MHz | 12.28 dBm | -17.72 dB |

Date: 30.DEC.2019 19:33:33

### Highest Band Edge / Full RB



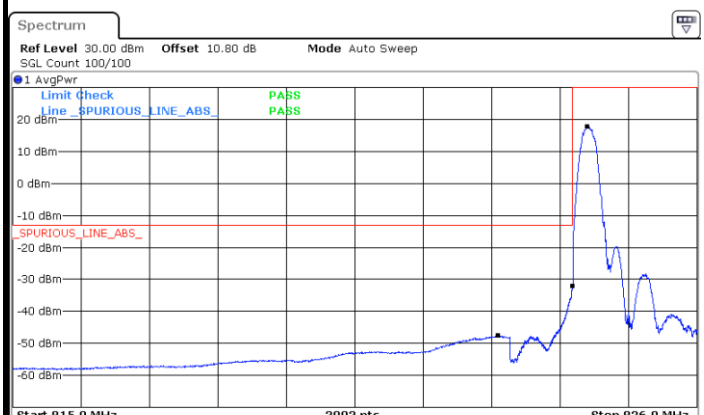

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 847.85614 MHz | 11.53 dBm | -18.47 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.05045 MHz | -39.30 dBm | -26.30 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -40.27 dBm | -27.27 dB |

Date: 30.DEC.2019 19:43:03

## LTE Band 5 / 1.4MHz / 64QAM

### Lowest Band Edge / 1 RB

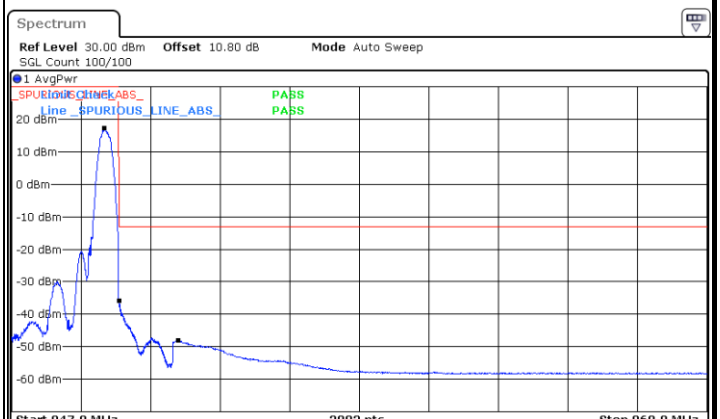



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.79620 MHz | -47.64 dBm | -34.64 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99850 MHz | -32.12 dBm | -19.12 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.23077 MHz | 17.72 dBm | -12.28 dB |

Date: 30.DEC.2019 19:50:45

### Highest Band Edge / 1 RB

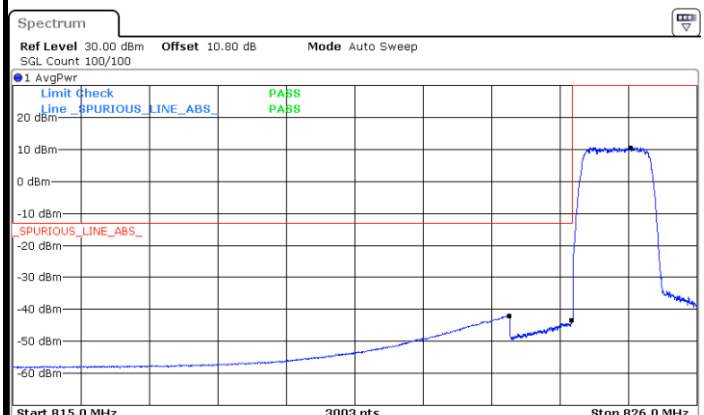



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.72927 MHz | 17.27 dBm | -12.73 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00549 MHz | -35.74 dBm | -22.74 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.11489 MHz | -48.17 dBm | -35.17 dB |

Date: 30.DEC.2019 19:58:55

### Lowest Band Edge / Full RB

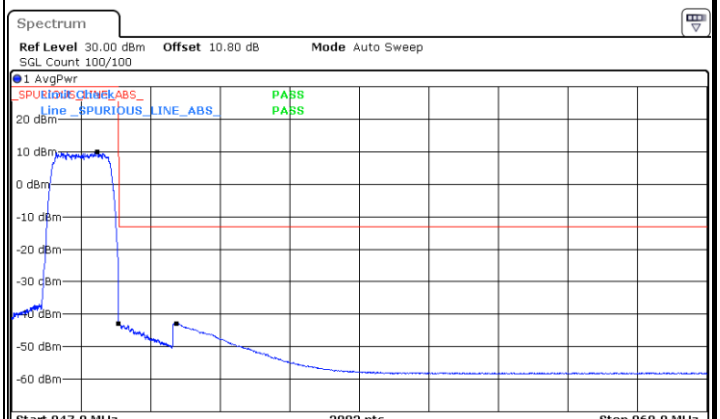



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -41.97 dBm | -28.97 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.98651 MHz | -43.54 dBm | -30.54 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.92208 MHz | 10.59 dBm | -19.41 dB |

Date: 30.DEC.2019 19:52:26

### Highest Band Edge / Full RB



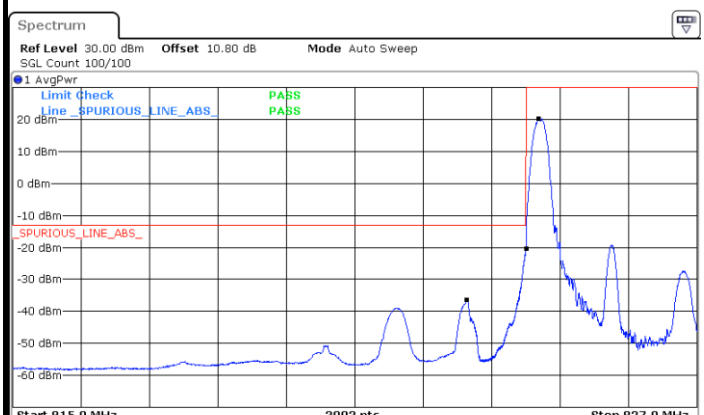

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.59940 MHz | 9.82 dBm | -20.18 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -42.87 dBm | -29.87 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.07493 MHz | -42.84 dBm | -29.84 dB |

Date: 30.DEC.2019 19:57:12

## LTE Band 5 / 3MHz / QPSK

### Lowest Band Edge / 1RB

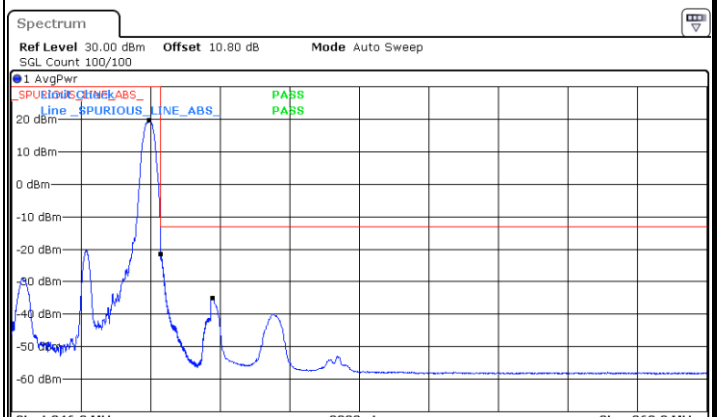



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.96404 MHz | -36.27 dBm | -23.27 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -20.49 dBm | -7.49 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.22028 MHz | 20.16 dBm | -9.84 dB |

Date: 30.DEC.2019 20:02:37

### Highest Band Edge / 1 RB

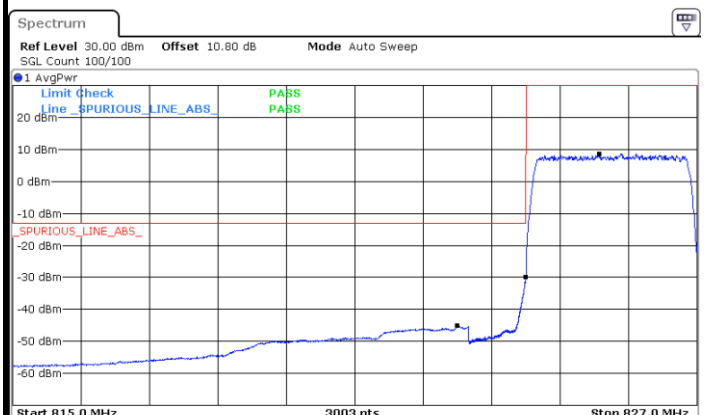



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 848.77073 MHz | 19.76 dBm | -10.24 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -21.37 dBm | -8.37 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.03497 MHz | -34.96 dBm | -21.96 dB |

Date: 30.DEC.2019 20:50:51

### Lowest Band Edge / Full RB

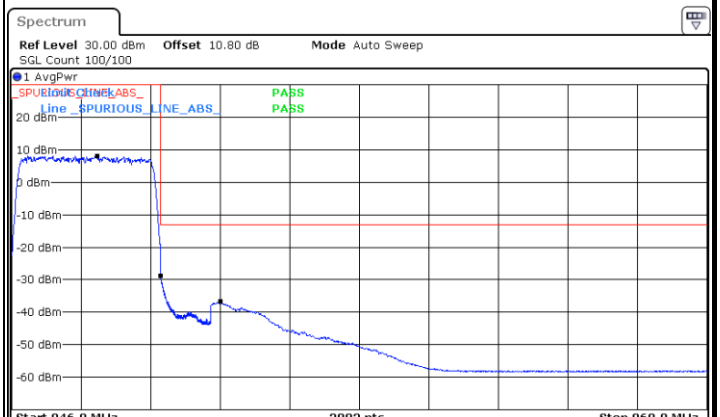



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.79620 MHz | -45.19 dBm | -32.19 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99850 MHz | -29.99 dBm | -16.99 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 825.27822 MHz | 8.53 dBm | -21.47 dB |

Date: 30.DEC.2019 20:26:10

### Highest Band Edge / Full RB



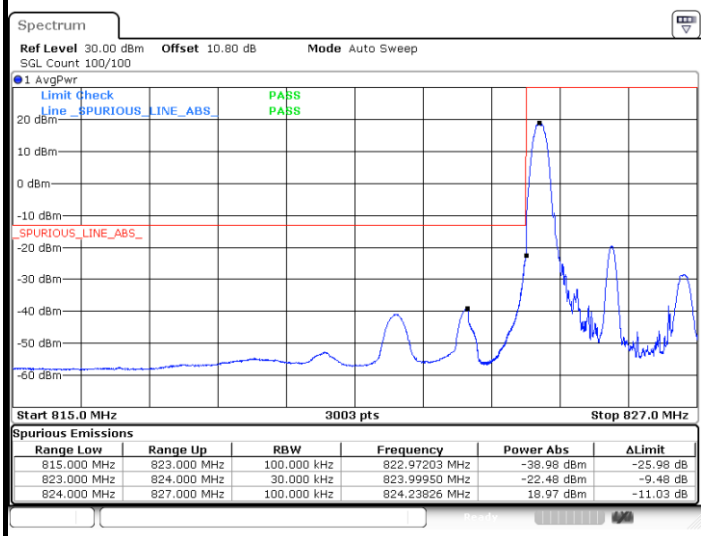

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 847.71578 MHz | 8.11 dBm | -21.89 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -28.84 dBm | -15.84 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.20480 MHz | -36.80 dBm | -23.80 dB |

Date: 30.DEC.2019 20:54:13

## LTE Band 5 / 3MHz / 16QAM

### Lowest Band Edge / 1 RB

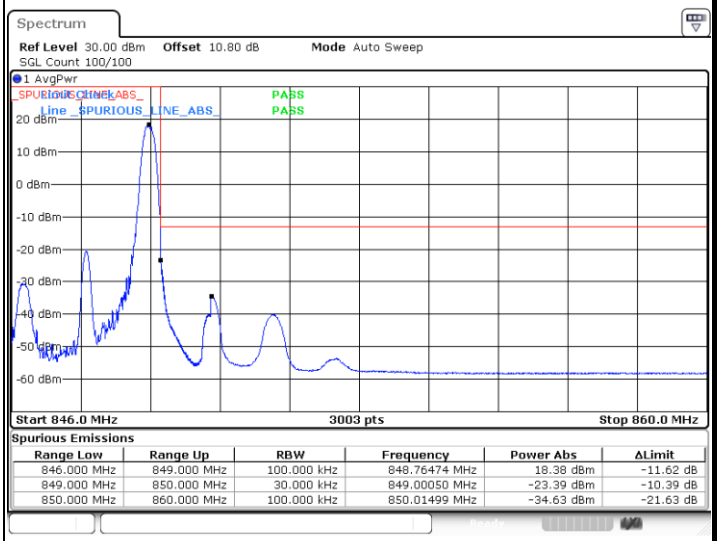



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.97203 MHz | -38.98 dBm | -25.98 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -22.48 dBm | -9.48 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.23826 MHz | 18.97 dBm | -11.03 dB |

Date: 30.DEC.2019 20:04:19

### Highest Band Edge /1 RB

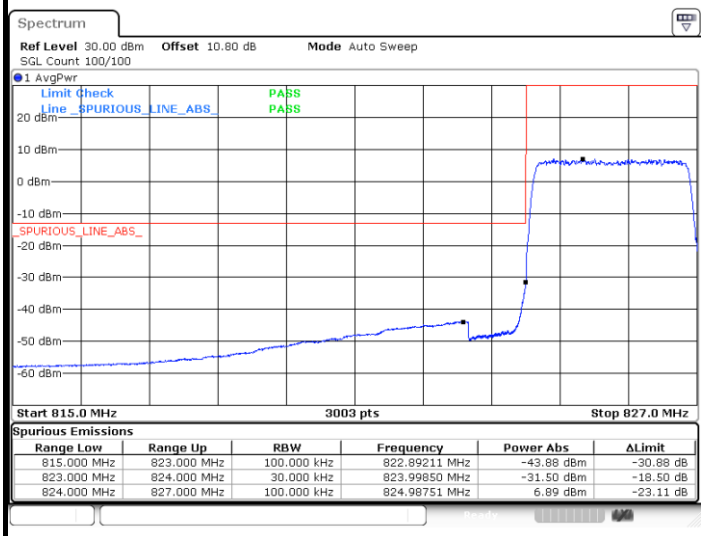



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 848.76474 MHz | 18.38 dBm | -11.62 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -23.39 dBm | -10.39 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -34.63 dBm | -21.63 dB |

Date: 30.DEC.2019 20:52:32

### Lowest Band Edge / Full RB

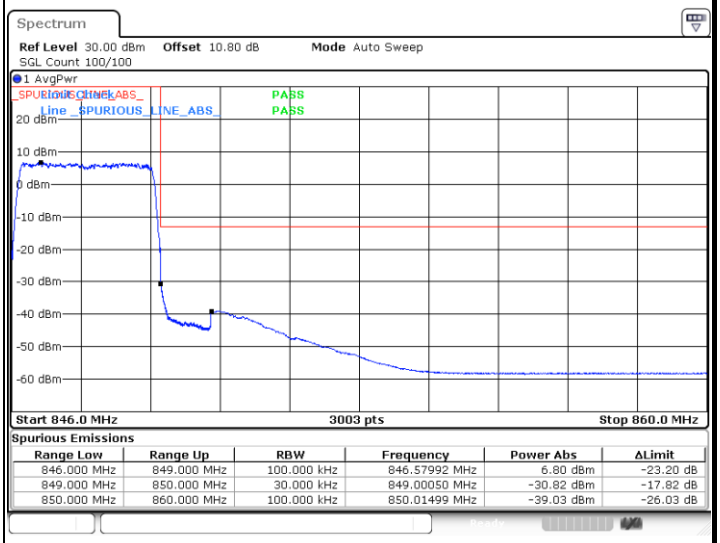



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.89211 MHz | -43.88 dBm | -30.88 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99850 MHz | -31.50 dBm | -18.50 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.98751 MHz | 6.89 dBm | -23.11 dB |

Date: 30.DEC.2019 20:27:52

### Highest Band Edge / Full RB



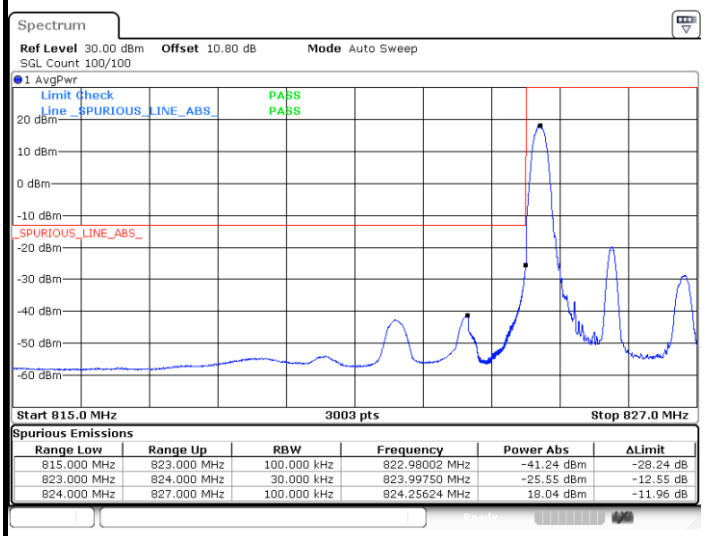

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 846.57992 MHz | 6.80 dBm | -23.20 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -30.82 dBm | -17.82 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -39.03 dBm | -26.03 dB |

Date: 30.DEC.2019 20:55:55

## LTE Band 5 / 3MHz / 64QAM

### Lowest Band Edge / 1 RB

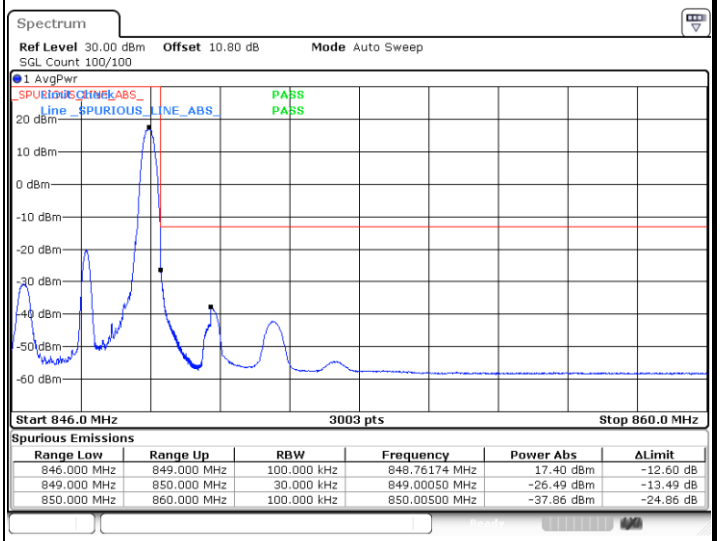



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -41.24 dBm | -28.24 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99750 MHz | -25.55 dBm | -12.55 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.25624 MHz | 18.04 dBm | -11.96 dB |

Date: 30.DEC.2019 21:00:16

### Highest Band Edge /1 RB

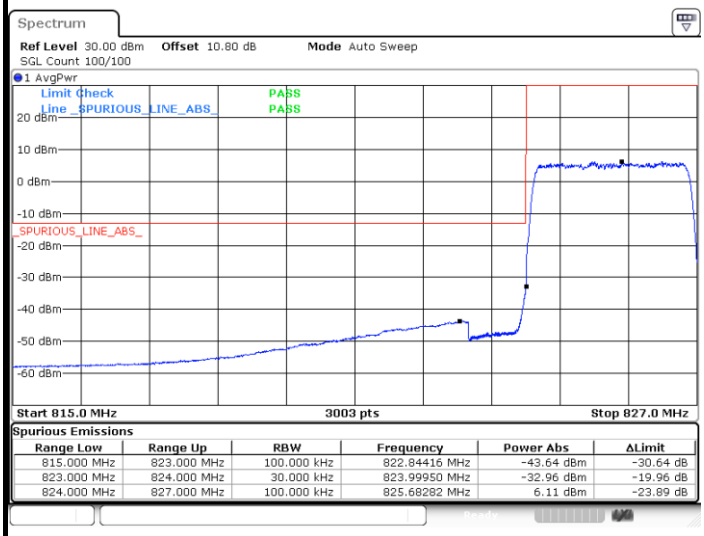



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 848.76174 MHz | 17.40 dBm | -12.60 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -26.49 dBm | -13.49 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -37.86 dBm | -24.86 dB |

Date: 30.DEC.2019 21:06:43

### Lowest Band Edge / Full RB

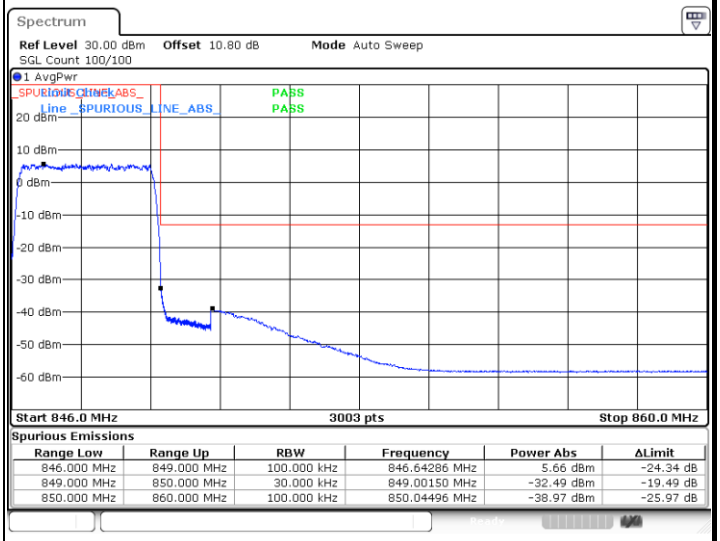



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.84416 MHz | -43.64 dBm | -30.64 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -32.96 dBm | -19.96 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 825.68282 MHz | 6.11 dBm | -23.89 dB |

Date: 30.DEC.2019 21:01:58

### Highest Band Edge / Full RB



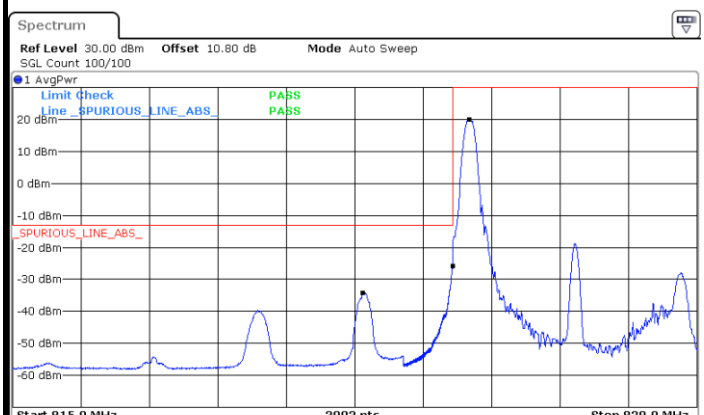

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 846.64286 MHz | 5.66 dBm | -24.34 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00150 MHz | -32.49 dBm | -19.49 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.04496 MHz | -38.97 dBm | -25.97 dB |

Date: 30.DEC.2019 21:08:24

## LTE Band 5 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

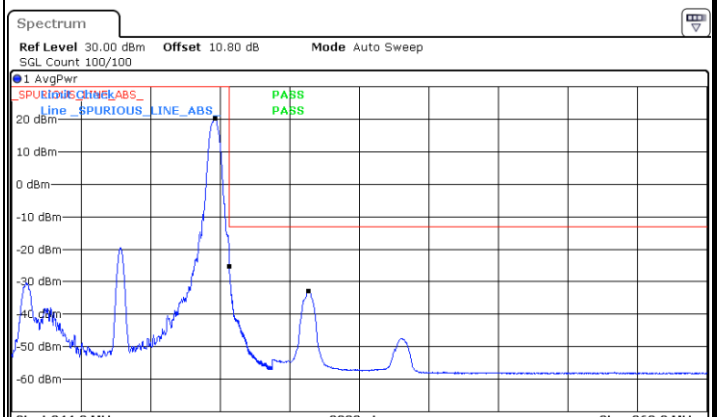



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.16484 MHz | -34.26 dBm | -21.26 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99750 MHz | -25.70 dBm | -12.70 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 824.33716 MHz | 20.07 dBm | -9.93 dB |

Date: 30.DEC.2019 21:12:07

### Highest Band Edge / 1 RB

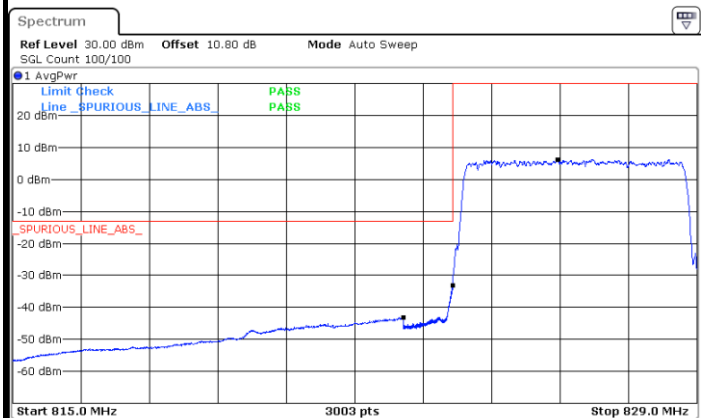



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 848.67283 MHz | 20.18 dBm | -9.82 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00050 MHz | -25.41 dBm | -12.41 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.83417 MHz | -32.97 dBm | -19.97 dB |

Date: 30.DEC.2019 21:25:02

### Lowest Band Edge / Full RB

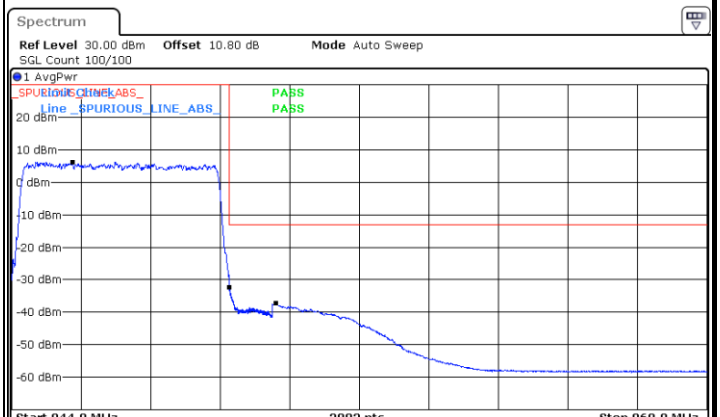



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -43.14 dBm | -30.14 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99650 MHz | -33.18 dBm | -20.18 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 826.14535 MHz | 6.21 dBm | -23.79 dB |

Date: 30.DEC.2019 21:15:30

### Highest Band Edge / Full RB



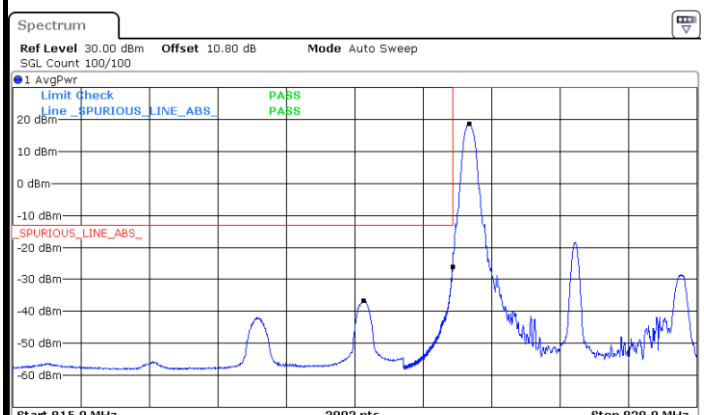

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 845.39111 MHz | 6.18 dBm | -23.82 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00350 MHz | -32.38 dBm | -19.38 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.08492 MHz | -37.24 dBm | -24.24 dB |

Date: 30.DEC.2019 21:28:27

## LTE Band 5 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

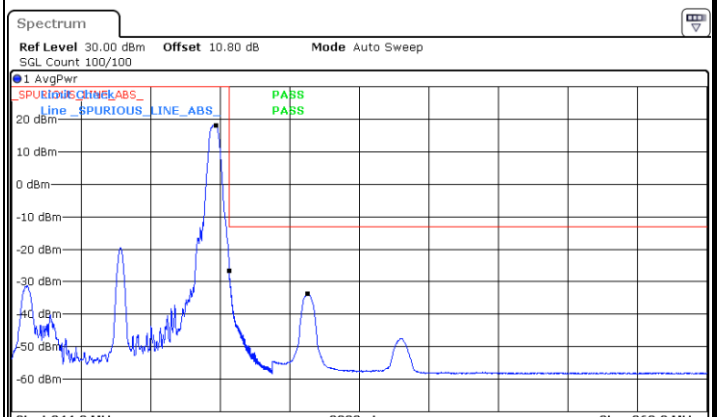



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.17283 MHz | -36.63 dBm | -23.63 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99950 MHz | -26.17 dBm | -13.17 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 824.33716 MHz | 18.71 dBm | -11.29 dB |

Date: 30.DEC.2019 21:13:48

### Highest Band Edge / 1 RB

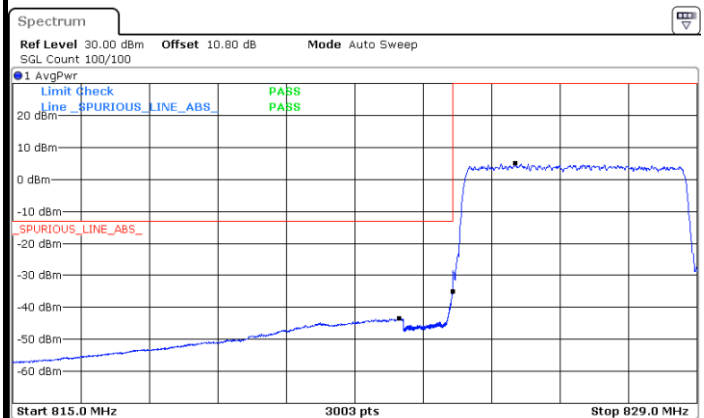



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 848.70280 MHz | 18.20 dBm | -11.80 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00250 MHz | -26.67 dBm | -13.67 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.81419 MHz | -33.62 dBm | -20.62 dB |

Date: 30.DEC.2019 21:26:45

### Lowest Band Edge / Full RB

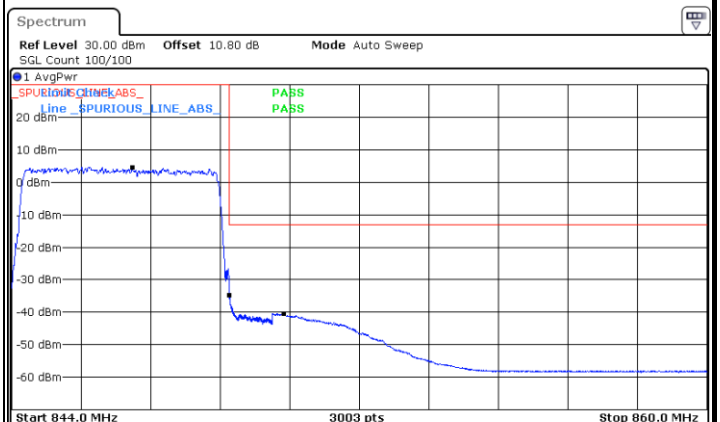



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.90010 MHz | -43.50 dBm | -30.50 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99650 MHz | -35.02 dBm | -22.02 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 825.28122 MHz | 4.95 dBm | -25.05 dB |

Date: 30.DEC.2019 21:17:11

### Highest Band Edge / Full RB



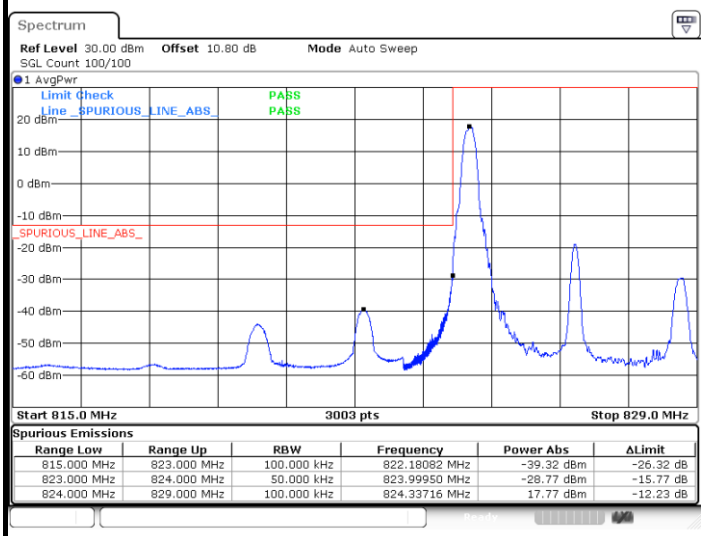

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 846.76973 MHz | 4.60 dBm | -25.40 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00050 MHz | -34.83 dBm | -21.83 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.25475 MHz | -40.50 dBm | -27.50 dB |

Date: 30.DEC.2019 21:30:08

## LTE Band 5 / 5MHz / 64QAM

### Lowest Band Edge / 1RB

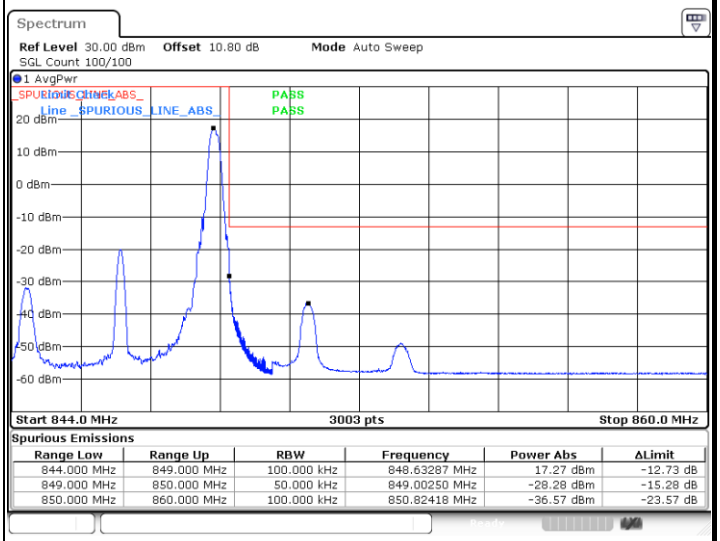



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.18082 MHz | -39.32 dBm | -26.32 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99950 MHz | -28.77 dBm | -15.77 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 824.33716 MHz | 17.77 dBm | -12.23 dB |

Date: 30.DEC.2019 21:34:27

### Highest Band Edge / 1 RB

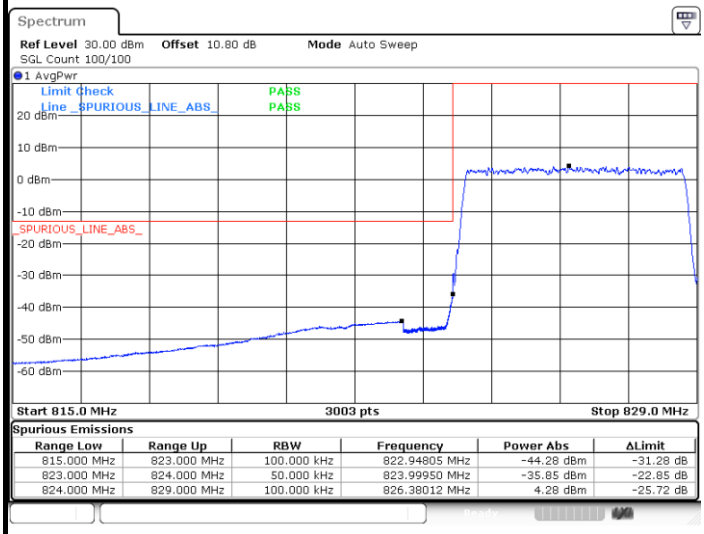



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 848.63287 MHz | 17.27 dBm | -12.73 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00250 MHz | -28.28 dBm | -15.28 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.82418 MHz | -36.57 dBm | -23.57 dB |

Date: 30.DEC.2019 21:45:27

### Lowest Band Edge / Full RB

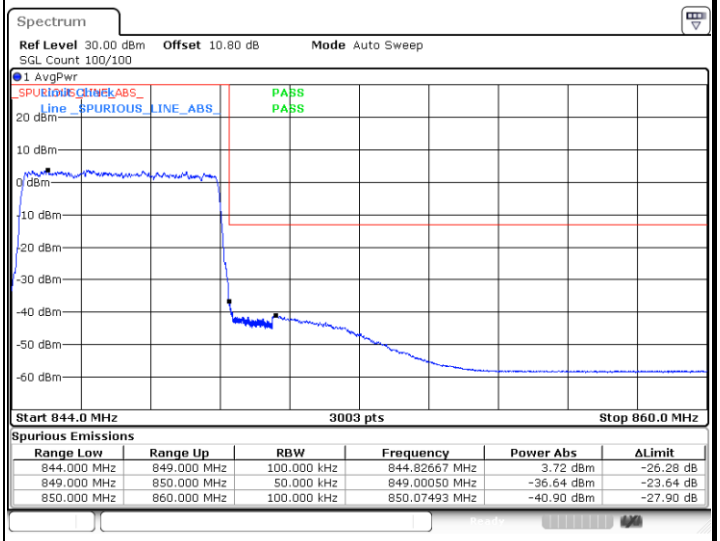



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.94805 MHz | -44.28 dBm | -31.28 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99950 MHz | -35.85 dBm | -22.85 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 826.38012 MHz | 4.28 dBm | -25.72 dB |

Date: 30.DEC.2019 21:36:09

### Highest Band Edge / Full RB



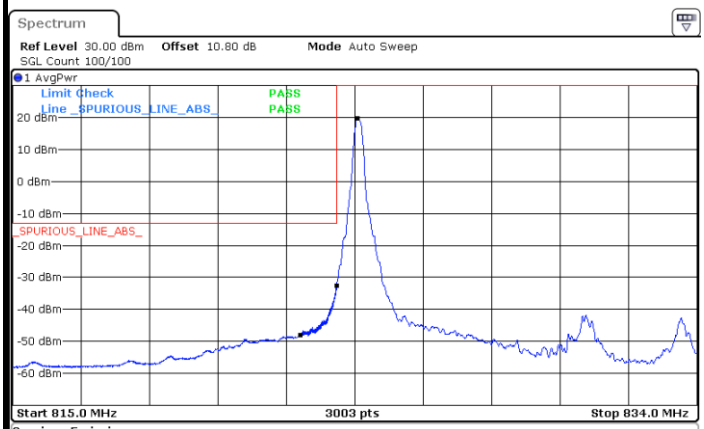

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 844.82667 MHz | 3.72 dBm | -26.28 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00050 MHz | -36.64 dBm | -23.64 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.07493 MHz | -40.90 dBm | -27.90 dB |

Date: 30.DEC.2019 21:47:08

## LTE Band 5 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

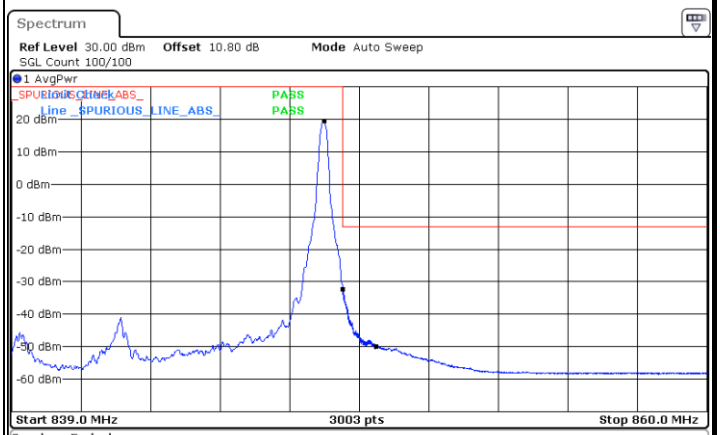



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -47.97 dBm | -34.97 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99750 MHz | -32.53 dBm | -19.53 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 824.57443 MHz | 19.65 dBm | -10.35 dB |

Date: 30.DEC.2019 21:49:45

### Highest Band Edge / 1 RB

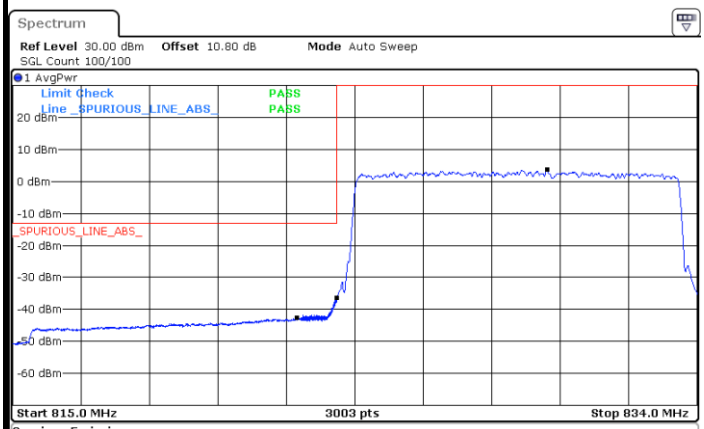



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 848.43556 MHz | 19.34 dBm | -10.66 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00450 MHz | -32.44 dBm | -19.44 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -49.85 dBm | -36.85 dB |

Date: 30.DEC.2019 22:02:41

### Lowest Band Edge / Full RB

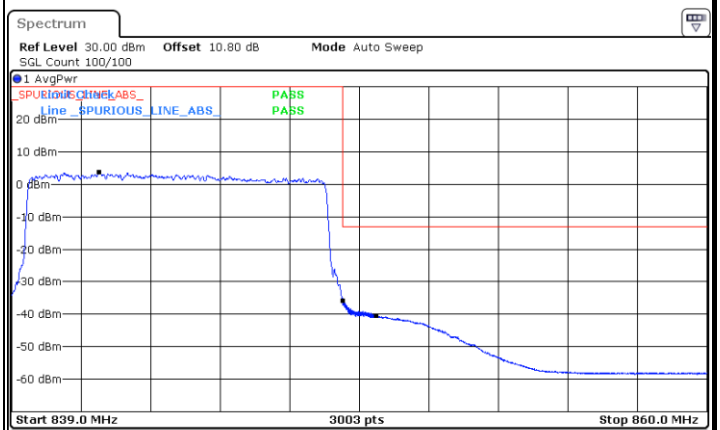



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.90010 MHz | -42.76 dBm | -29.76 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99251 MHz | -36.36 dBm | -23.36 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 829.82917 MHz | 3.63 dBm | -26.37 dB |

Date: 30.DEC.2019 21:53:09

### Highest Band Edge / Full RB



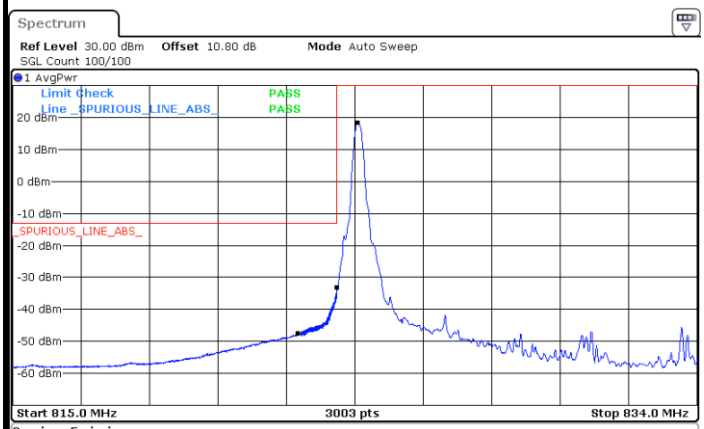

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 841.63237 MHz | 3.70 dBm | -26.30 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00050 MHz | -35.77 dBm | -22.77 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -40.49 dBm | -27.49 dB |

Date: 30.DEC.2019 22:06:04

## LTE Band 5 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

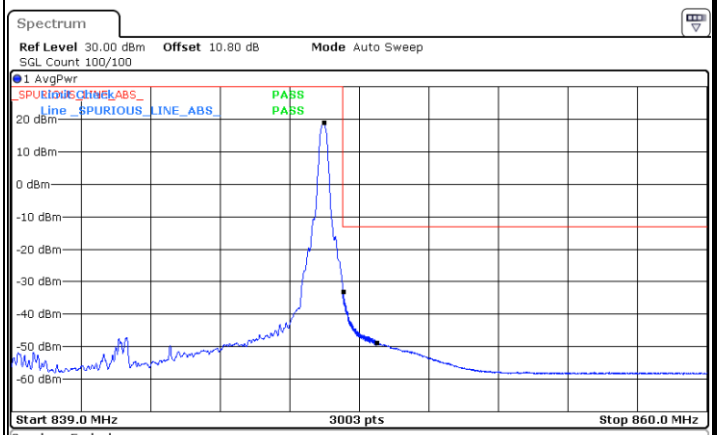



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.92408 MHz | -47.61 dBm | -34.61 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99451 MHz | -33.23 dBm | -20.23 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 824.56444 MHz | 18.27 dBm | -11.73 dB |

Date: 30.DEC.2019 21:51:27

### Highest Band Edge / 1 RB

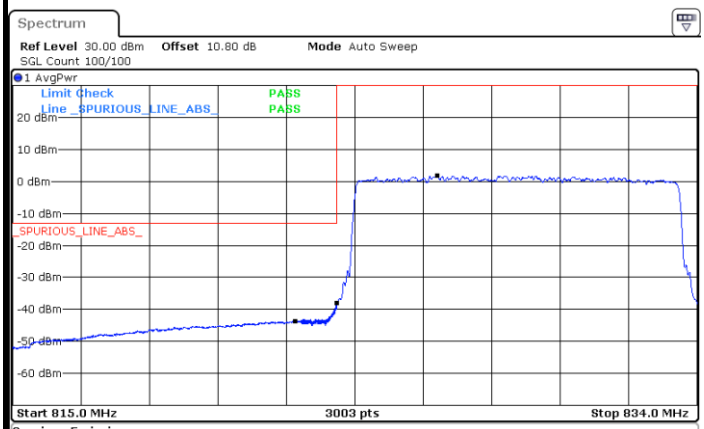



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 848.42557 MHz | 18.93 dBm | -11.07 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.01149 MHz | -33.18 dBm | -20.18 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.03497 MHz | -48.80 dBm | -35.80 dB |

Date: 30.DEC.2019 22:04:22

### Lowest Band Edge / Full RB

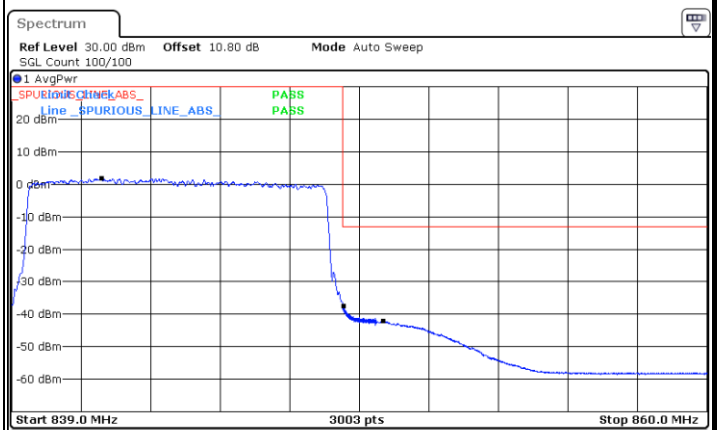



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.85215 MHz | -43.74 dBm | -30.74 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99251 MHz | -38.13 dBm | -25.13 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 826.77223 MHz | 1.83 dBm | -28.17 dB |

Date: 30.DEC.2019 21:54:50

### Highest Band Edge / Full RB



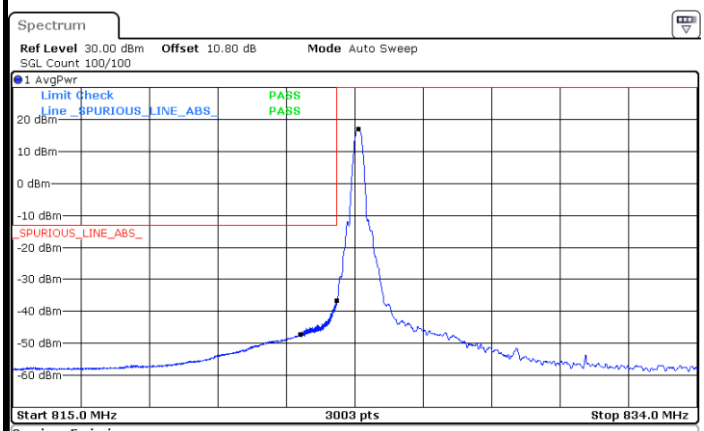

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 841.71229 MHz | 1.76 dBm | -28.24 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.01449 MHz | -37.40 dBm | -24.40 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.21479 MHz | -42.12 dBm | -29.12 dB |

Date: 30.DEC.2019 22:07:45

## LTE Band 5 / 10MHz / 64QAM

### Lowest Band Edge / 1 RB

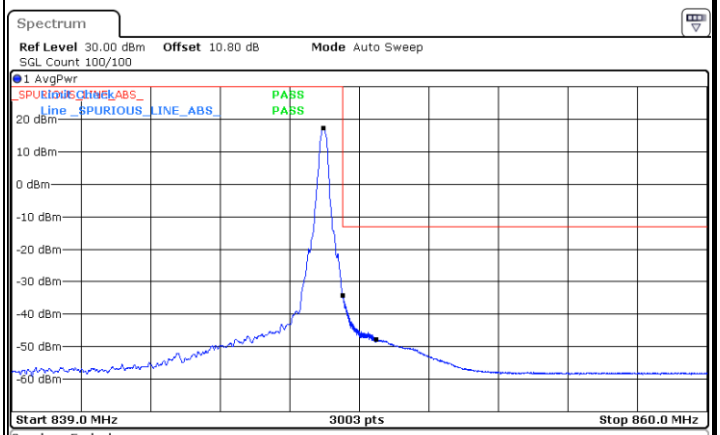



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -47.18 dBm | -34.18 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99151 MHz | -36.66 dBm | -23.66 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 824.58442 MHz | 17.10 dBm | -12.90 dB |

Date: 30.DEC.2019 22:13:09

### Highest Band Edge / 1 RB

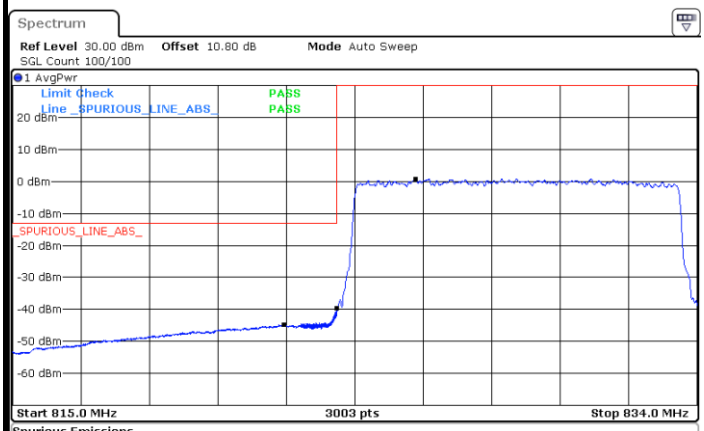



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 848.40559 MHz | 17.22 dBm | -12.78 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00250 MHz | -34.21 dBm | -21.21 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -47.89 dBm | -34.89 dB |

Date: 30.DEC.2019 22:19:35

### Lowest Band Edge / Full RB

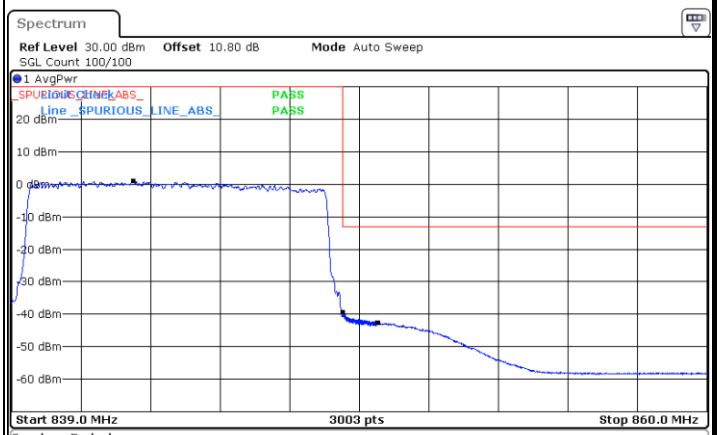



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.54046 MHz | -44.89 dBm | -31.89 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99850 MHz | -39.57 dBm | -26.57 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 826.19281 MHz | 0.77 dBm | -29.23 dB |

Date: 30.DEC.2019 22:14:51

### Highest Band Edge / Full RB




Spurious Emissions

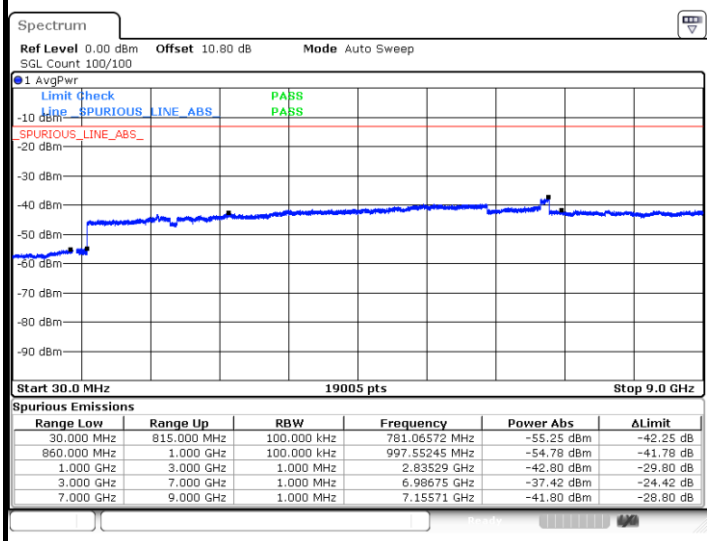
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 842.67133 MHz | 1.08 dBm | -28.92 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00050 MHz | -39.29 dBm | -26.29 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.06494 MHz | -42.76 dBm | -29.76 dB |

Date: 30.DEC.2019 22:21:17

# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

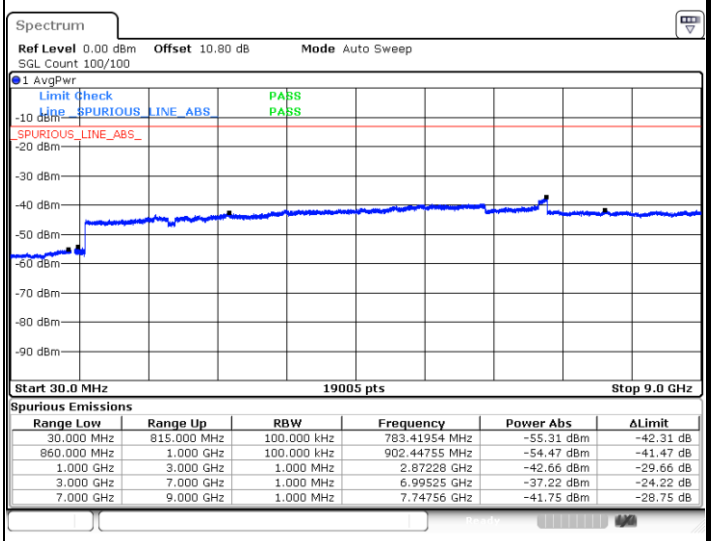



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 781.06572 MHz | -55.25 dBm | -42.25 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 997.55245 MHz | -54.78 dBm | -41.78 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.83529 GHz | -42.80 dBm | -29.80 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98675 GHz | -37.42 dBm | -24.42 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.15571 GHz | -41.80 dBm | -28.80 dB |

Date: 30.DEC.2019 19:34:36

### Lowest Channel / 16QAM

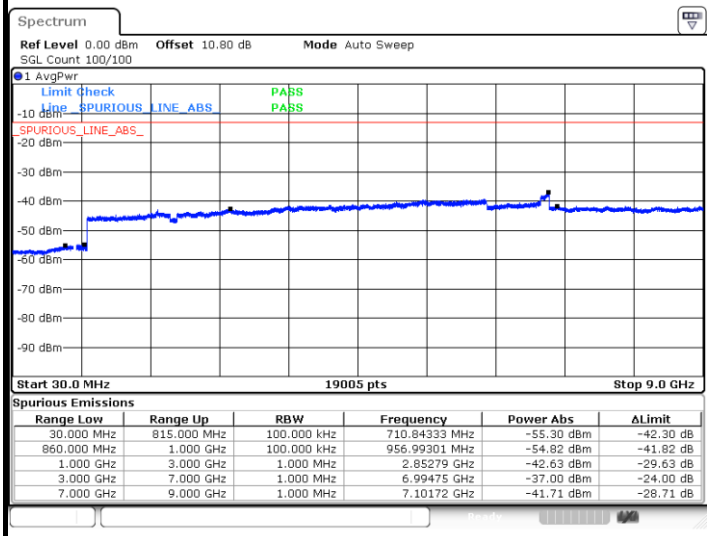



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 783.41954 MHz | -55.31 dBm | -42.31 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 902.44755 MHz | -54.47 dBm | -41.47 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.87228 GHz | -42.66 dBm | -29.66 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99525 GHz | -37.22 dBm | -24.22 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.74756 GHz | -41.75 dBm | -28.75 dB |

Date: 30.DEC.2019 19:35:41

### Middle Channel / QPSK

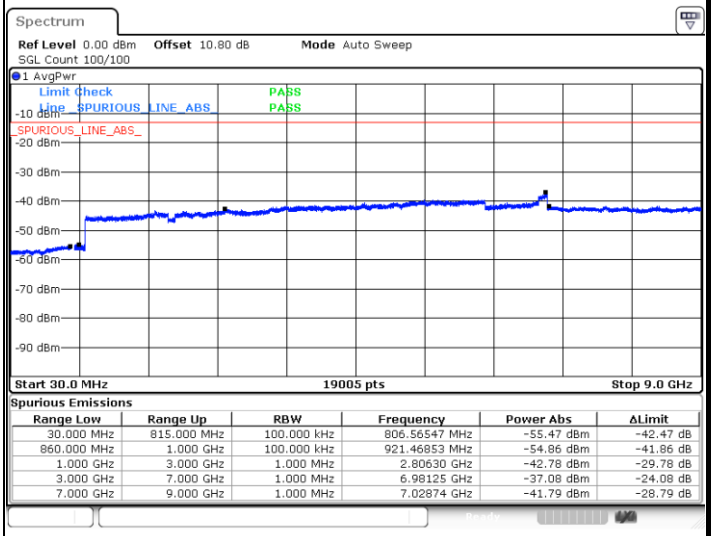



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 710.84333 MHz | -55.30 dBm | -42.30 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 956.99301 MHz | -54.82 dBm | -41.82 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85279 GHz | -42.63 dBm | -29.63 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99475 GHz | -37.00 dBm | -24.00 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.10172 GHz | -41.71 dBm | -28.71 dB |

Date: 30.DEC.2019 19:37:38

### Middle Channel / 16QAM



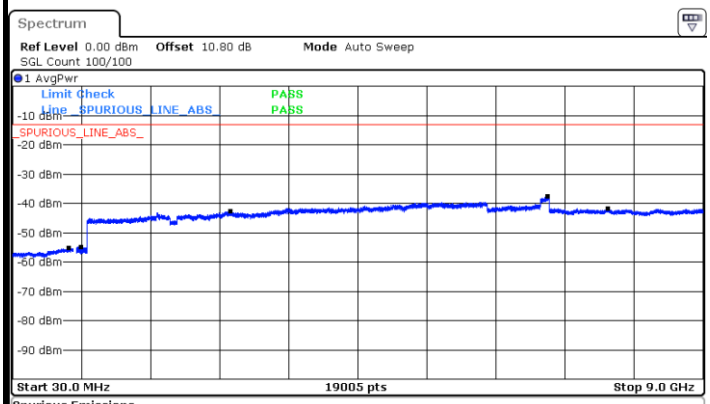

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 806.56547 MHz | -55.47 dBm | -42.47 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 921.46853 MHz | -54.86 dBm | -41.86 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.80630 GHz | -42.78 dBm | -29.78 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98125 GHz | -37.08 dBm | -24.08 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.02874 GHz | -41.79 dBm | -28.79 dB |

Date: 30.DEC.2019 19:38:43

## LTE Band 5 / 1.4MHz

### Highest Channel / QPSK

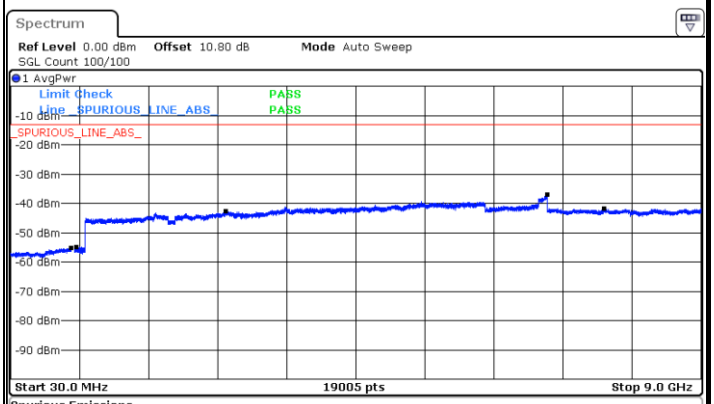



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 752.81984 MHz | -55.29 dBm | -42.29 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 915.45455 MHz | -54.94 dBm | -41.94 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85179 GHz | -42.81 dBm | -29.81 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98325 GHz | -37.71 dBm | -24.71 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75706 GHz | -41.69 dBm | -28.69 dB |

Date: 30.DEC.2019 19:47:30

### Highest Channel / 16QAM



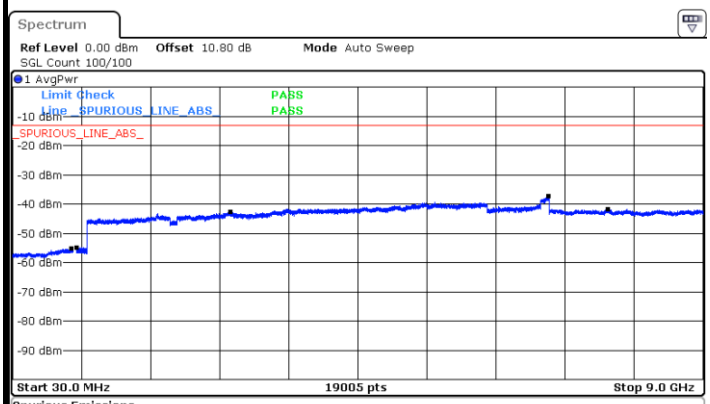

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 813.23463 MHz | -55.26 dBm | -42.26 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 878.11189 MHz | -54.84 dBm | -41.84 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.81880 GHz | -42.60 dBm | -29.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99725 GHz | -37.15 dBm | -24.15 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.74206 GHz | -41.74 dBm | -28.74 dB |

Date: 30.DEC.2019 19:48:35

## LTE Band 5 / 3MHz

### Lowest Channel / QPSK

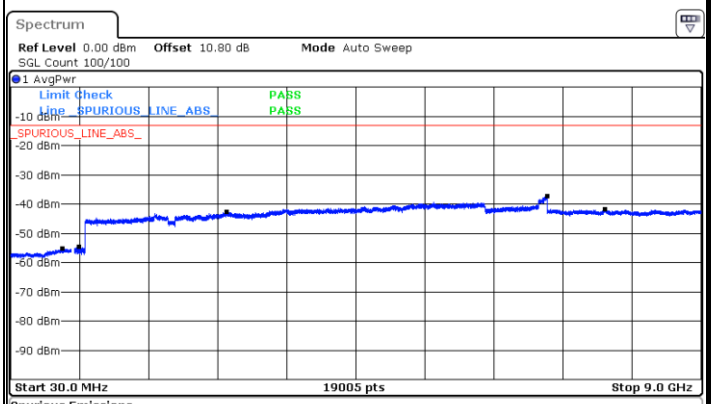



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 791.26562 MHz | -55.36 dBm | -42.36 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 863.14685 MHz | -54.88 dBm | -41.88 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85829 GHz | -42.81 dBm | -29.81 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98925 GHz | -37.41 dBm | -24.41 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75956 GHz | -41.84 dBm | -28.84 dB |

Date: 30.DEC.2019 20:28:55

### Lowest Channel / 16QAM



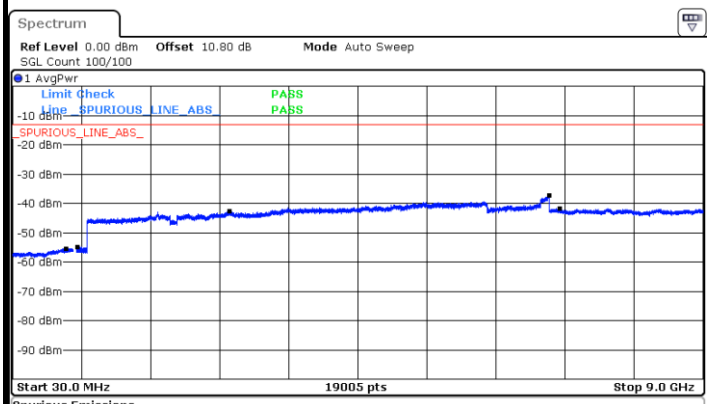

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 702.21264 MHz | -55.35 dBm | -42.35 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 914.61538 MHz | -54.59 dBm | -41.59 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.83929 GHz | -42.59 dBm | -29.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99925 GHz | -37.32 dBm | -24.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75556 GHz | -41.80 dBm | -28.80 dB |

Date: 30.DEC.2019 20:30:01

## LTE Band 5 / 3MHz

### Middle Channel / QPSK

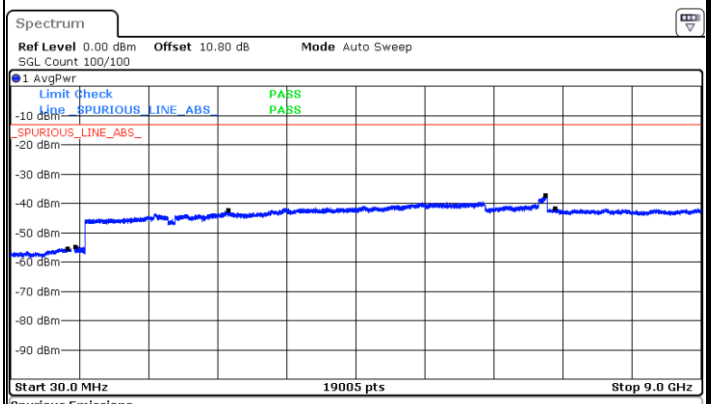



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 727.32009 MHz | -55.50 dBm | -42.50 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 870.55944 MHz | -54.87 dBm | -41.87 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.84379 GHz | -42.75 dBm | -29.75 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99875 GHz | -37.22 dBm | -24.22 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.13822 GHz | -41.77 dBm | -28.77 dB |

Date: 30.DEC.2019 20:47:06

### Middle Channel / 16QAM

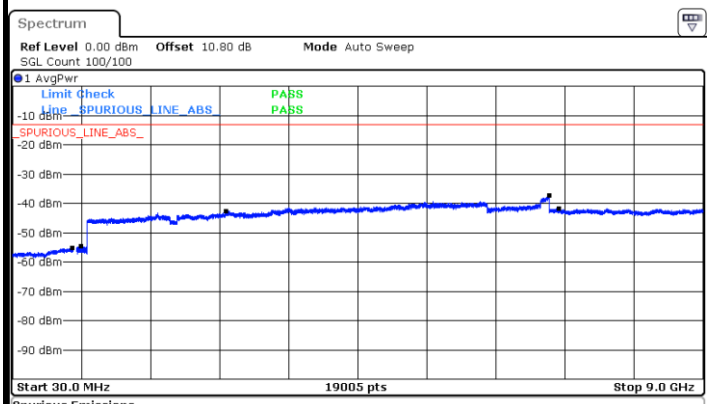



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 772.04273 MHz | -55.42 dBm | -42.42 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 873.49650 MHz | -54.87 dBm | -41.87 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.86278 GHz | -42.49 dBm | -29.49 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97775 GHz | -37.32 dBm | -24.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.10122 GHz | -41.81 dBm | -28.81 dB |

Date: 30.DEC.2019 20:48:12

### Highest Channel / QPSK

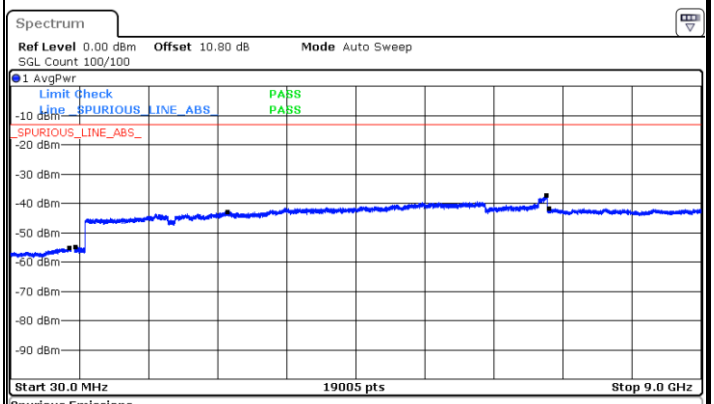



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 807.35007 MHz | -55.28 dBm | -42.28 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 916.99301 MHz | -54.62 dBm | -41.62 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.79930 GHz | -42.59 dBm | -29.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99875 GHz | -37.32 dBm | -24.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.12672 GHz | -41.90 dBm | -28.90 dB |

Date: 30.DEC.2019 20:56:59

### Highest Channel / 16QAM



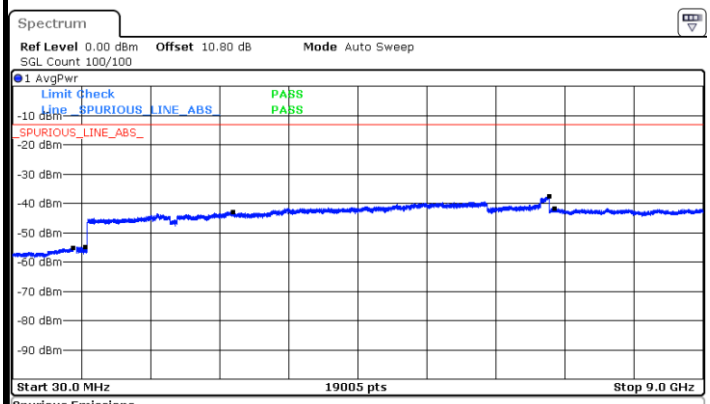

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 796.36557 MHz | -55.18 dBm | -42.18 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 865.38462 MHz | -54.84 dBm | -41.84 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.84979 GHz | -42.87 dBm | -29.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99275 GHz | -37.27 dBm | -24.27 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.02874 GHz | -41.69 dBm | -28.69 dB |

Date: 30.DEC.2019 20:58:05

## LTE Band 5 / 5MHz

### Lowest Channel / QPSK

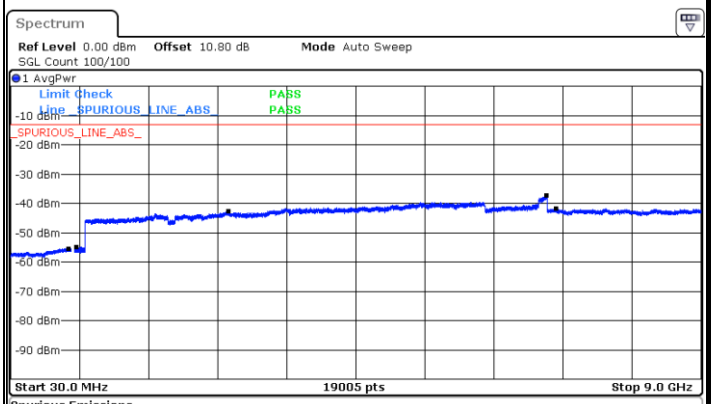



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 808.52699 MHz | -55.14 dBm | -42.14 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 968.18182 MHz | -54.88 dBm | -41.88 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.89078 GHz | -42.89 dBm | -29.89 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99725 GHz | -37.50 dBm | -24.50 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07223 GHz | -41.74 dBm | -28.74 dB |

Date: 30.DEC.2019 21:18:15

### Lowest Channel / 16QAM

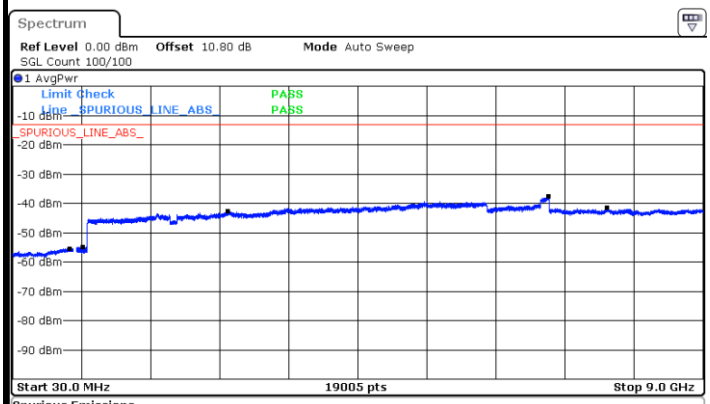



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 784.59645 MHz | -55.42 dBm | -42.42 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 881.32867 MHz | -54.86 dBm | -41.86 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85229 GHz | -42.79 dBm | -29.79 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99425 GHz | -37.23 dBm | -24.23 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.11672 GHz | -41.86 dBm | -28.86 dB |

Date: 30.DEC.2019 21:19:20

### Middle Channel / QPSK

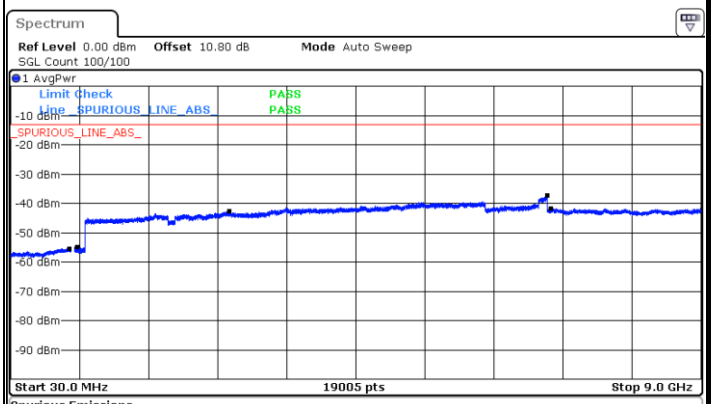



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 767.72739 MHz | -55.47 dBm | -42.47 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 939.93007 MHz | -54.82 dBm | -41.82 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82729 GHz | -42.77 dBm | -29.77 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98575 GHz | -37.47 dBm | -24.47 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75456 GHz | -41.63 dBm | -28.63 dB |

Date: 30.DEC.2019 21:21:19

### Middle Channel / 16QAM



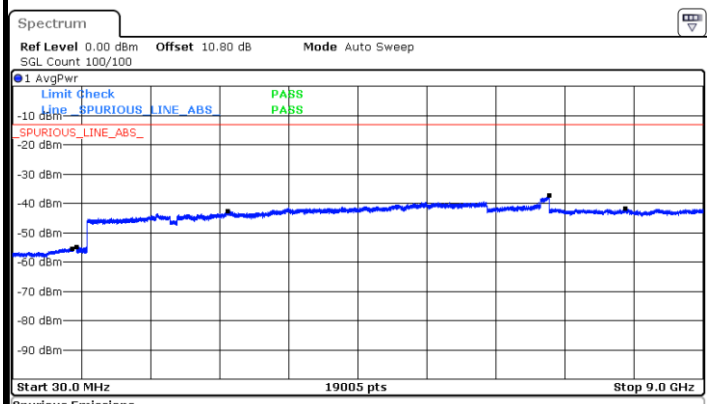

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 792.44253 MHz | -55.38 dBm | -42.38 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 891.11888 MHz | -54.90 dBm | -41.90 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.86778 GHz | -42.76 dBm | -29.76 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99625 GHz | -37.37 dBm | -24.37 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.04424 GHz | -41.81 dBm | -28.81 dB |

Date: 30.DEC.2019 21:22:24

## LTE Band 5 / 5MHz

### Highest Channel / QPSK

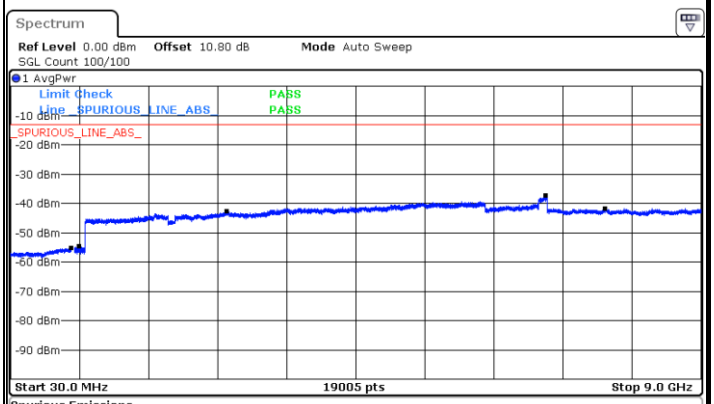



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 804.99625 MHz | -55.38 dBm | -42.38 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 863.70629 MHz | -54.83 dBm | -41.83 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82379 GHz | -42.79 dBm | -29.79 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99825 GHz | -37.22 dBm | -24.22 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.99400 GHz | -41.76 dBm | -28.76 dB |

Date: 30.DEC.2019 21:31:12

### Highest Channel / 16QAM



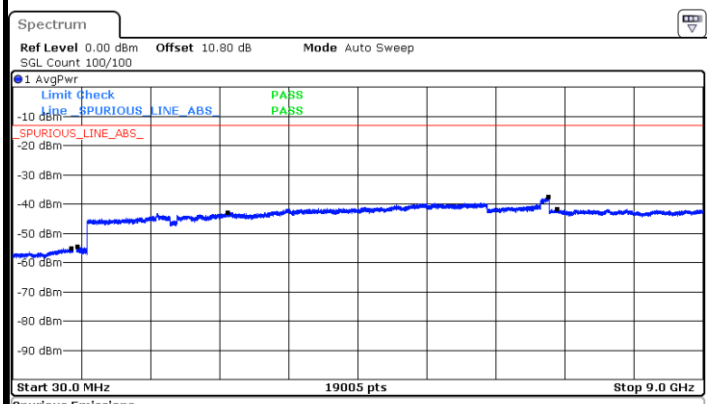

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 808.91929 MHz | -55.35 dBm | -42.35 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 910.69930 MHz | -54.76 dBm | -41.76 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.83779 GHz | -42.79 dBm | -29.79 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97525 GHz | -37.29 dBm | -24.29 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.74906 GHz | -41.78 dBm | -28.78 dB |

Date: 30.DEC.2019 21:32:17

## LTE Band 5 / 10MHz

### Lowest Channel / QPSK

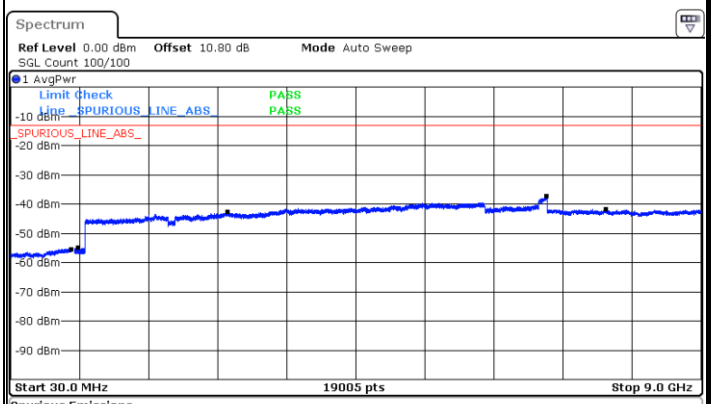



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 795.97326 MHz | -55.35 dBm | -42.35 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 864.82517 MHz | -54.64 dBm | -41.64 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82279 GHz | -42.90 dBm | -29.90 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99025 GHz | -37.49 dBm | -24.49 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.10072 GHz | -41.68 dBm | -28.68 dB |

Date: 30.DEC.2019 21:55:54

### Lowest Channel / 16QAM



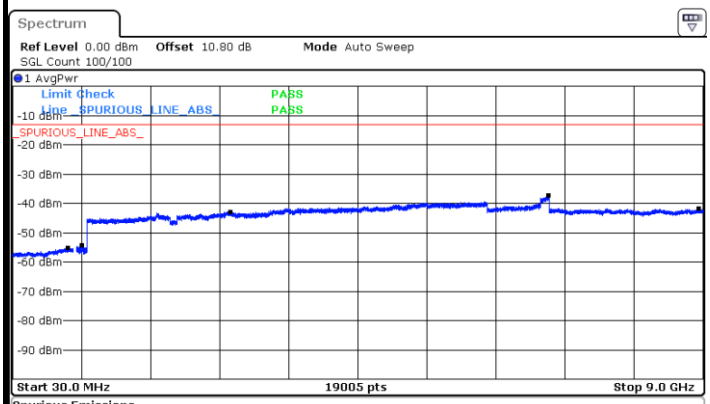

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 813.62694 MHz | -55.40 dBm | -42.40 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 903.28671 MHz | -54.98 dBm | -41.98 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.84679 GHz | -42.78 dBm | -29.78 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99275 GHz | -37.22 dBm | -24.22 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75956 GHz | -41.73 dBm | -28.73 dB |

Date: 30.DEC.2019 21:57:01

## LTE Band 5 / 10MHz

### Middle Channel / QPSK

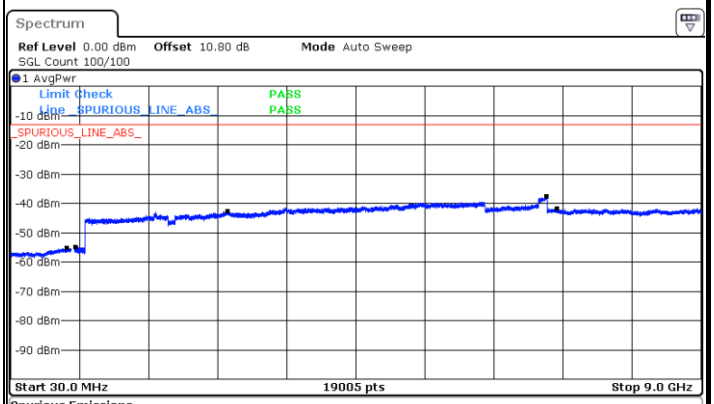



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 743.01224 MHz | -55.35 dBm | -42.35 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 927.90210 MHz | -54.42 dBm | -41.42 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85529 GHz | -42.87 dBm | -29.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99375 GHz | -37.41 dBm | -24.41 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.94776 GHz | -41.69 dBm | -28.69 dB |

Date: 30.DEC.2019 21:58:59

### Middle Channel / 16QAM

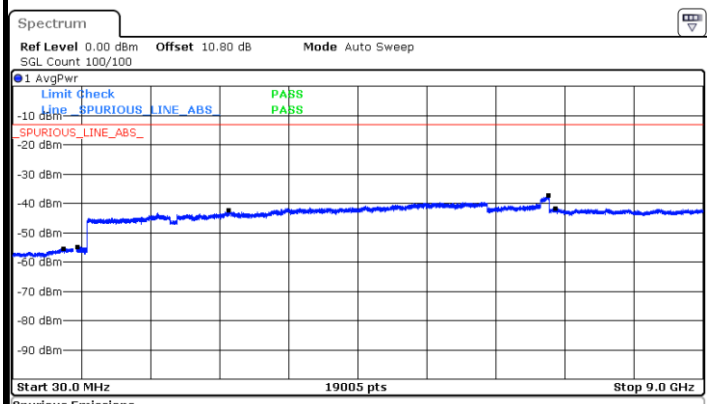



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 759.09670 MHz | -55.33 dBm | -42.33 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 867.20280 MHz | -54.85 dBm | -41.85 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.84129 GHz | -42.72 dBm | -29.72 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98525 GHz | -37.50 dBm | -24.50 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.12372 GHz | -41.76 dBm | -28.76 dB |

Date: 30.DEC.2019 22:00:04

### Highest Channel / QPSK

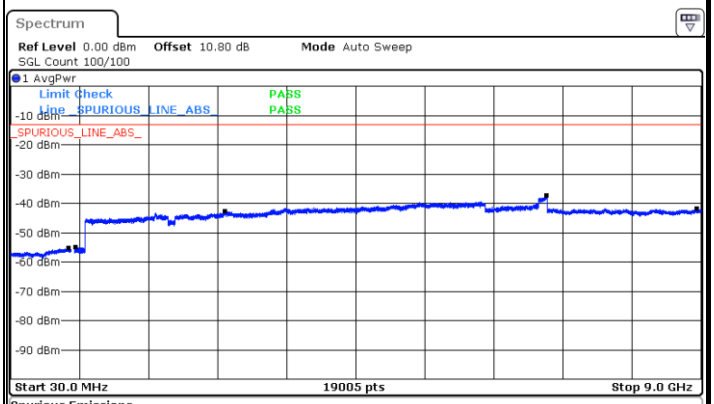



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 685.73588 MHz | -55.41 dBm | -42.41 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 874.75524 MHz | -54.84 dBm | -41.84 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82979 GHz | -42.53 dBm | -29.53 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99125 GHz | -37.19 dBm | -24.19 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08523 GHz | -41.80 dBm | -28.80 dB |

Date: 30.DEC.2019 22:08:49

### Highest Channel / 16QAM



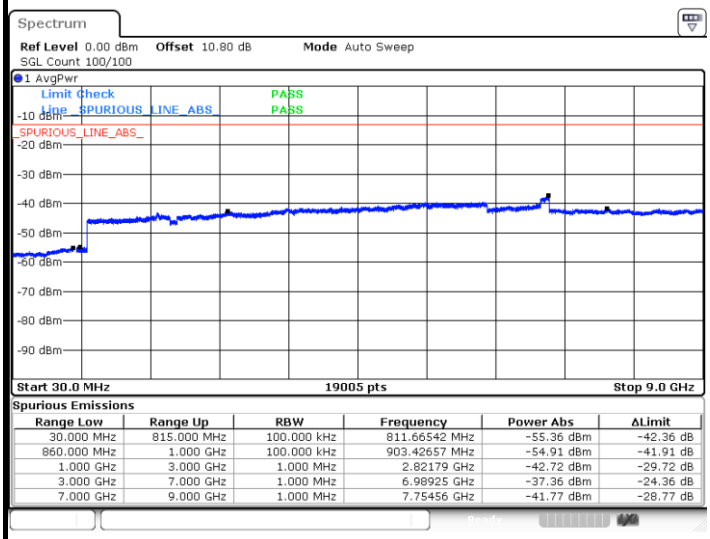

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 783.81184 MHz | -55.32 dBm | -42.32 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 873.63636 MHz | -54.92 dBm | -41.92 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.81230 GHz | -42.76 dBm | -29.76 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98925 GHz | -37.20 dBm | -24.20 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.94626 GHz | -41.75 dBm | -28.75 dB |

Date: 30.DEC.2019 22:09:54

## LTE Band 5 / 1.4MHz

### Lowest Channel / 64QAM

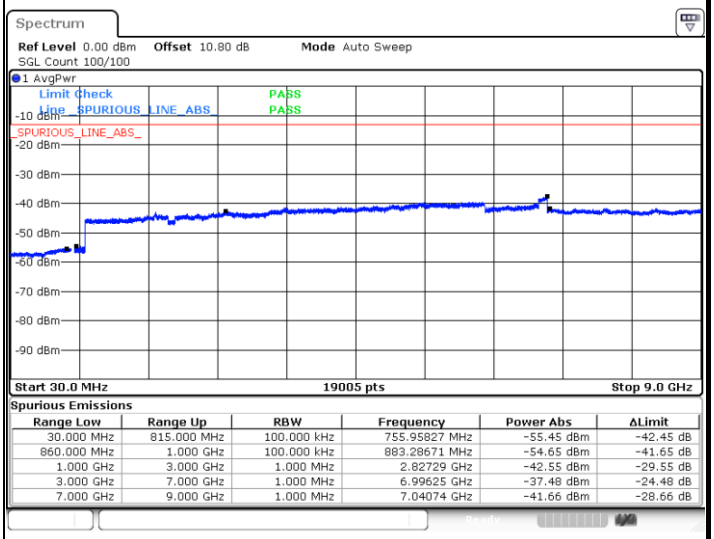



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 811.66542 MHz | -55.36 dBm | -42.36 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 903.42657 MHz | -54.91 dBm | -41.91 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82179 GHz | -42.72 dBm | -29.72 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98925 GHz | -37.36 dBm | -24.36 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75456 GHz | -41.77 dBm | -28.77 dB |

Date: 30.DEC.2019 19:53:30

### Middle Channel / 64QAM

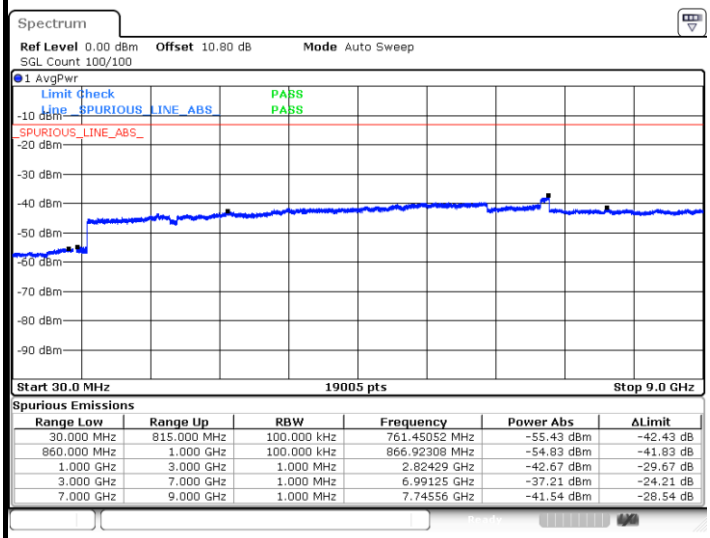



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 755.95827 MHz | -55.45 dBm | -42.45 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 883.28671 MHz | -54.65 dBm | -41.65 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82729 GHz | -42.55 dBm | -29.55 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99625 GHz | -37.48 dBm | -24.48 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.04074 GHz | -41.66 dBm | -28.66 dB |

Date: 30.DEC.2019 19:55:01

### Highest Channel / 64QAM



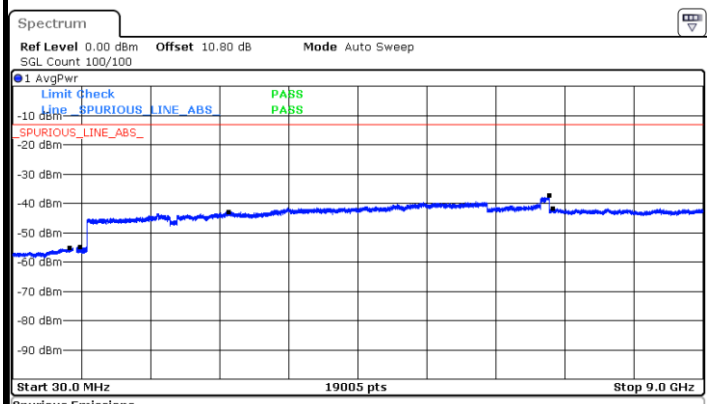

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 761.45052 MHz | -55.43 dBm | -42.43 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 866.92308 MHz | -54.83 dBm | -41.83 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.82429 GHz | -42.67 dBm | -29.67 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99125 GHz | -37.21 dBm | -24.21 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.74556 GHz | -41.54 dBm | -28.54 dB |

Date: 30.DEC.2019 19:59:59

## LTE Band 5 / 3MHz

### Lowest Channel / 64QAM

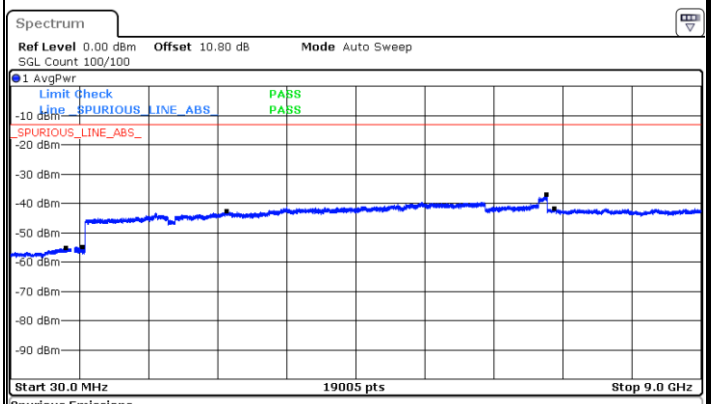



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 766.94278 MHz | -55.15 dBm | -42.15 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 908.88112 MHz | -54.82 dBm | -41.82 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.83579 GHz | -42.85 dBm | -29.85 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99875 GHz | -37.32 dBm | -24.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.04724 GHz | -41.81 dBm | -28.81 dB |

Date: 30.DEC.2019 21:03:02

### Middle Channel / 64QAM

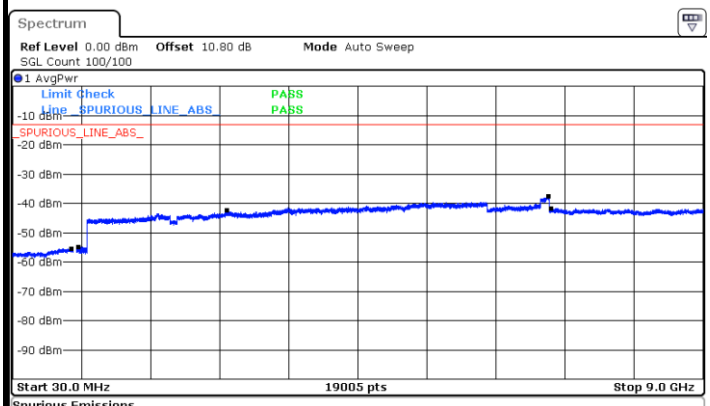



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 741.44303 MHz | -55.32 dBm | -42.32 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 966.50350 MHz | -54.92 dBm | -41.92 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.83229 GHz | -42.71 dBm | -29.71 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99225 GHz | -37.13 dBm | -24.13 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08973 GHz | -41.70 dBm | -28.70 dB |

Date: 30.DEC.2019 21:04:33

### Highest Channel / 64QAM



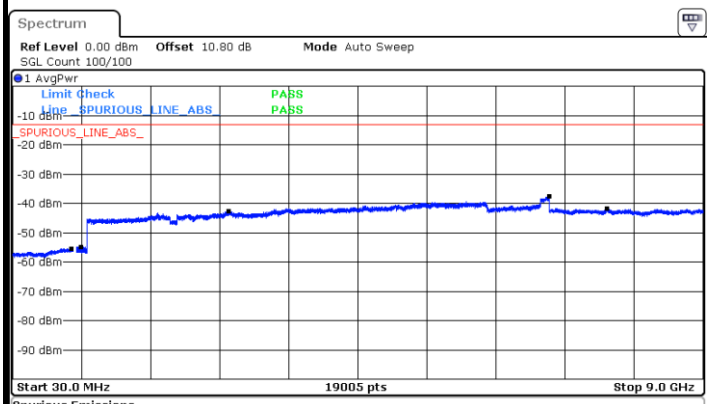

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 792.05022 MHz | -55.51 dBm | -42.51 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 880.48951 MHz | -54.99 dBm | -41.99 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.81080 GHz | -42.52 dBm | -29.52 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99425 GHz | -37.49 dBm | -24.49 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.02874 GHz | -41.86 dBm | -28.86 dB |

Date: 30.DEC.2019 21:09:29

## LTE Band 5 / 5MHz

### Lowest Channel / 64QAM

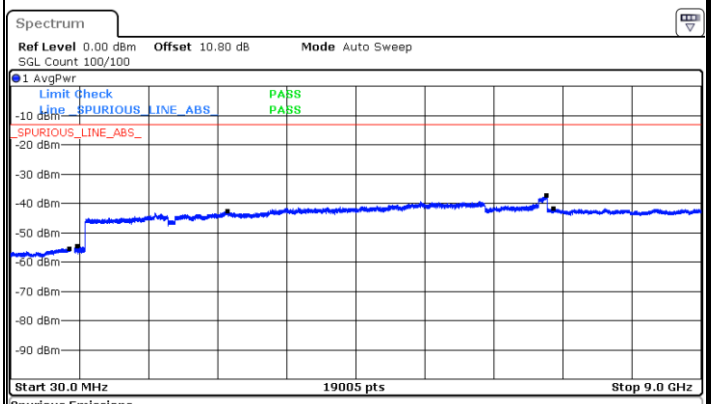



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 795.97326 MHz | -55.42 dBm | -42.42 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 915.31469 MHz | -54.85 dBm | -41.85 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.83929 GHz | -42.74 dBm | -29.74 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99675 GHz | -37.71 dBm | -24.71 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.75056 GHz | -41.82 dBm | -28.82 dB |

Date: 30.DEC.2019 21:37:13

### Middle Channel / 64QAM

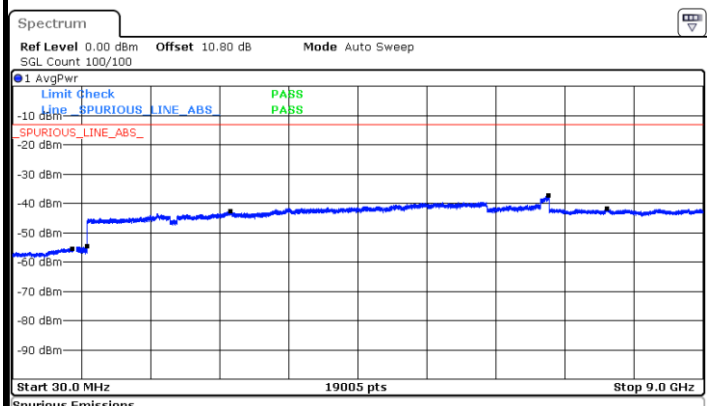



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 791.65792 MHz | -55.39 dBm | -42.39 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 890.83916 MHz | -54.73 dBm | -41.73 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.84779 GHz | -42.64 dBm | -29.64 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99225 GHz | -37.43 dBm | -24.43 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08423 GHz | -41.78 dBm | -28.78 dB |

Date: 30.DEC.2019 21:38:45

### Highest Channel / 64QAM



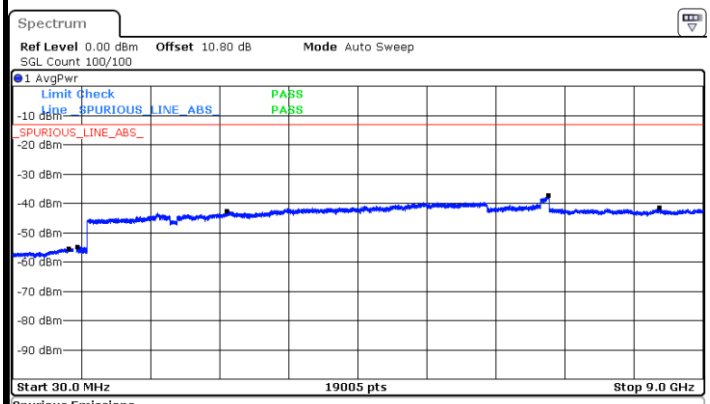

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 804.21164 MHz | -55.38 dBm | -42.38 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 998.53147 MHz | -54.67 dBm | -41.67 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85229 GHz | -42.71 dBm | -29.71 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99025 GHz | -37.36 dBm | -24.36 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.74806 GHz | -41.81 dBm | -28.81 dB |

Date: 30.DEC.2019 22:10:59

## LTE Band 5 / 10MHz

### Lowest Channel / 64QAM

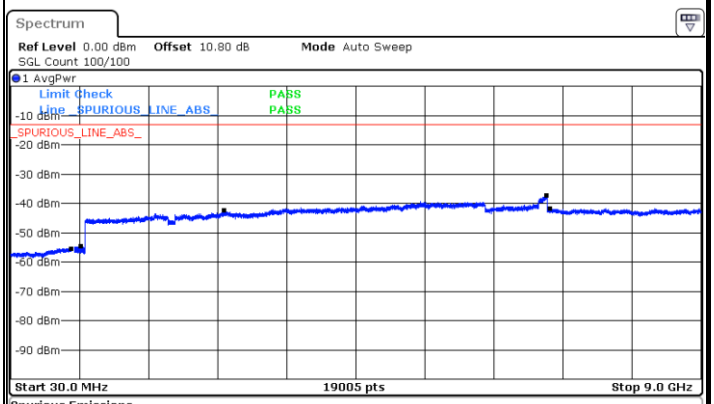



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 760.27361 MHz | -55.40 dBm | -42.40 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 875.03497 MHz | -54.81 dBm | -41.81 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.81580 GHz | -42.59 dBm | -29.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99475 GHz | -37.44 dBm | -24.44 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.43289 GHz | -41.64 dBm | -28.64 dB |

Date: 30.DEC.2019 22:15:55

### Middle Channel / 64QAM

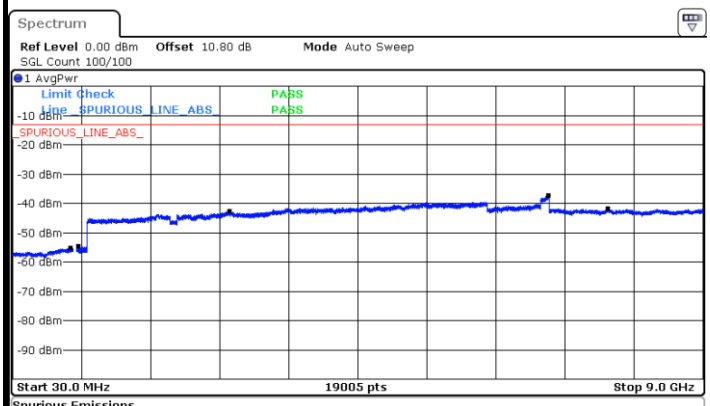



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 808.13468 MHz | -55.38 dBm | -42.38 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 938.25175 MHz | -54.71 dBm | -41.71 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.80280 GHz | -42.35 dBm | -29.35 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99175 GHz | -37.45 dBm | -24.45 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.04074 GHz | -41.82 dBm | -28.82 dB |

Date: 30.DEC.2019 22:17:26

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 783.02724 MHz | -55.33 dBm | -42.33 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 882.16783 MHz | -54.68 dBm | -41.68 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.84829 GHz | -42.63 dBm | -29.63 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99175 GHz | -37.37 dBm | -24.37 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.76156 GHz | -41.78 dBm | -28.78 dB |

Date: 30.DEC.2019 22:22:24

# Frequency Stability

| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0039 | PASS |
| 40 | Normal Voltage | 0.0041 | |
| 30 | Normal Voltage | 0.0027 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0060 | |
| 0 | Normal Voltage | 0.0078 | |
| -10 | Normal Voltage | 0.0030 | |
| -20 | Normal Voltage | 0.0033 | |
| -30 | Normal Voltage | 0.0075 | |
| 20 | Maximum Voltage | 0.0026 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0006 | |

**Note:**

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.65 V.；Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

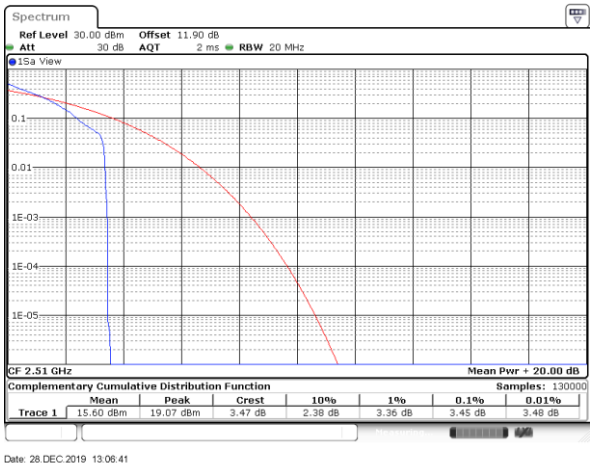
# LTE Band 7

## Peak-to-Average Ratio

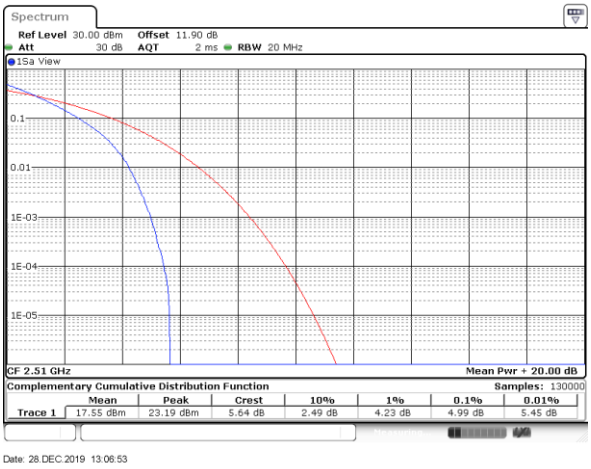
| Mode | LTE Band 7 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.45 | 4.99 | 5.39 | 5.83 | PASS |
| Middle CH | 3.59 | 4.96 | 5.22 | 5.91 | |
| Highest CH | 3.54 | 5.04 | 5.19 | 5.91 | |
| Mode | LTE Band 7 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.94 | 6.32 | - | - | PASS |
| Middle CH | 7.51 | 6.41 | - | - | |
| Highest CH | 6.93 | 6.35 | - | - | |

## LTE Band 7 / 20MHz / QPSK

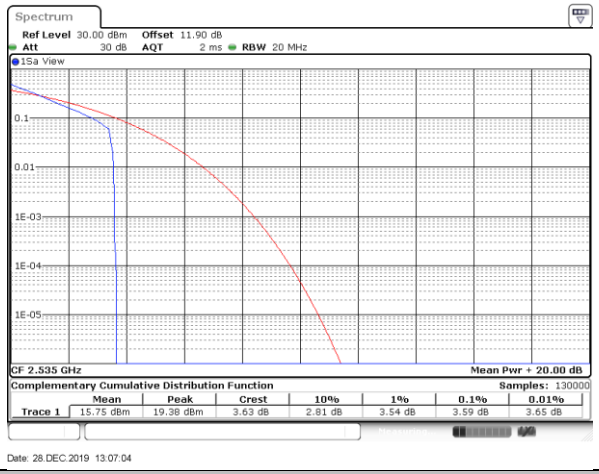
### Lowest Channel / 1RB



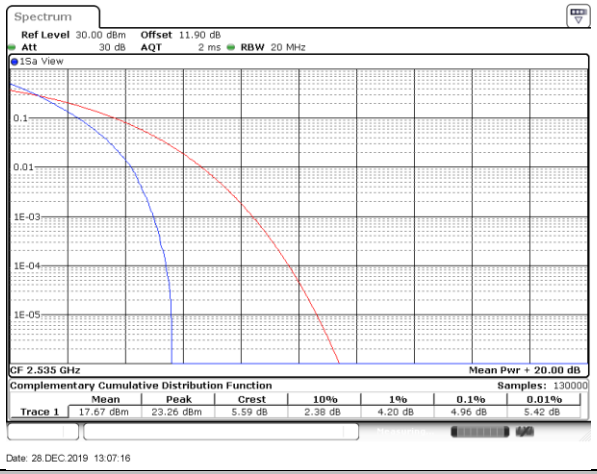

### Lowest Channel / Full RB



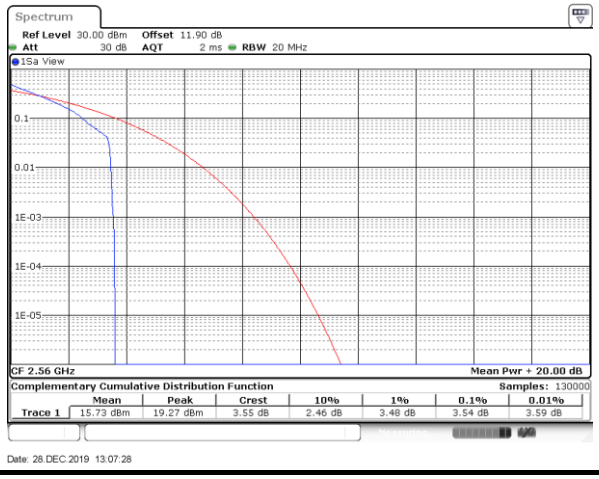

### Middle Channel / 1RB

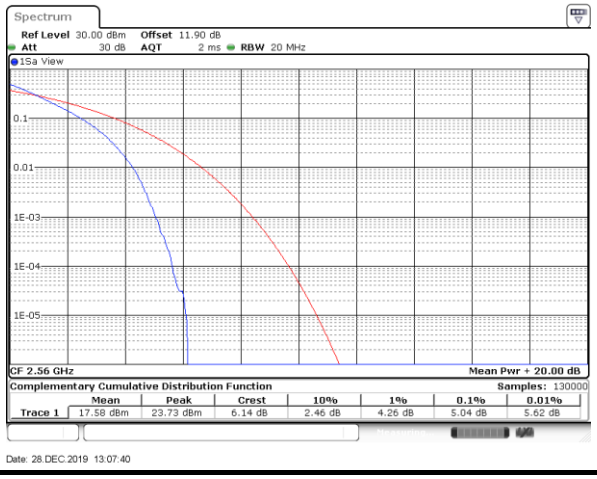



### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB