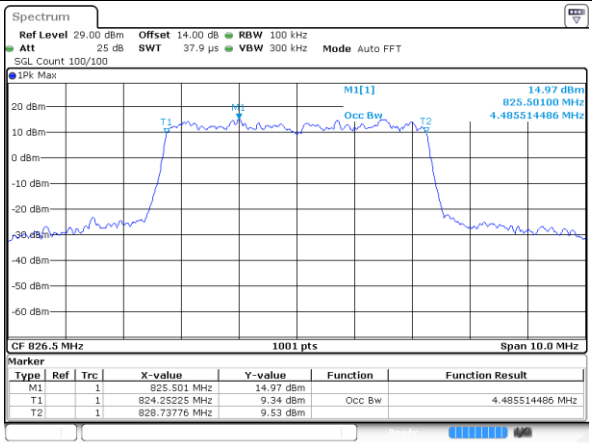
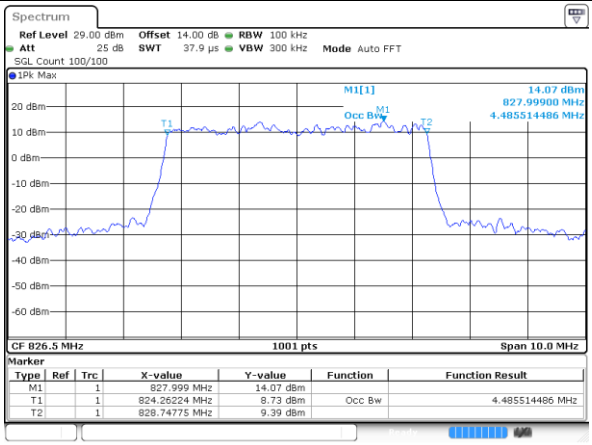
## LTE Band 5

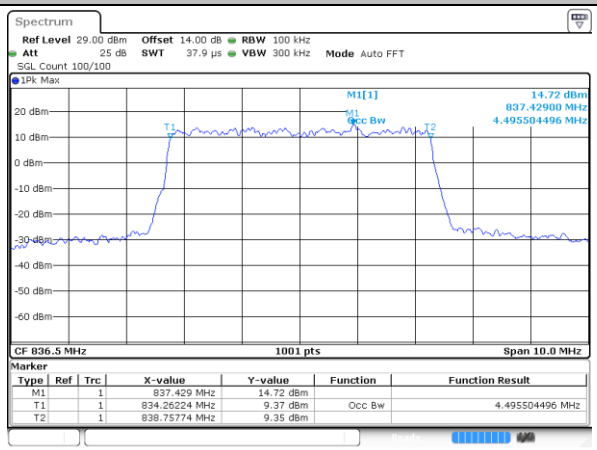
### Lowest Channel / 5MHz / QPSK



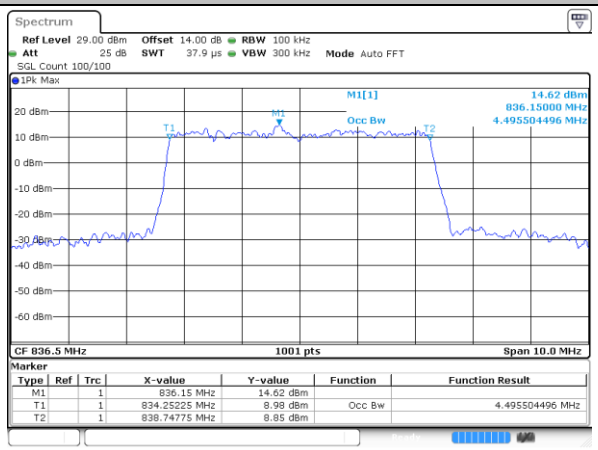

### Lowest Channel / 5MHz / 16QAM



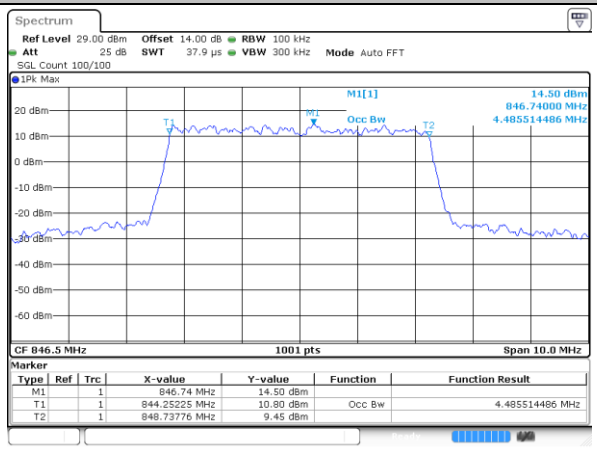

### Middle Channel / 5MHz / QPSK



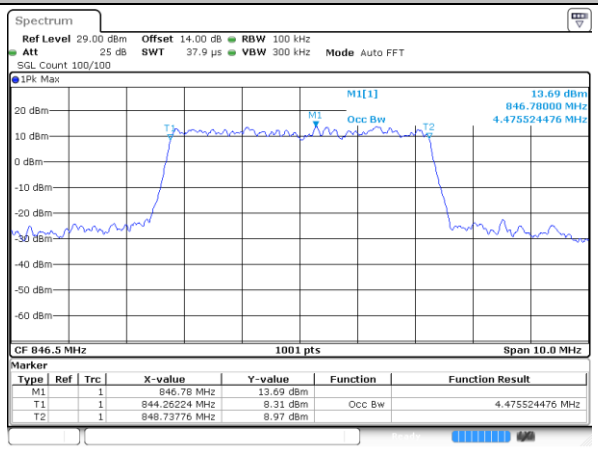

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

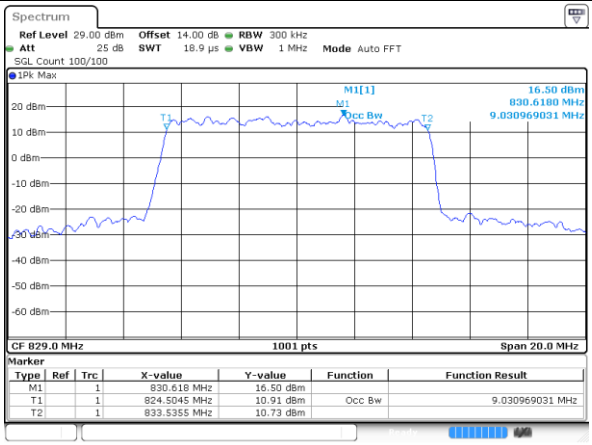



### Highest Channel / 5MHz / 16QAM



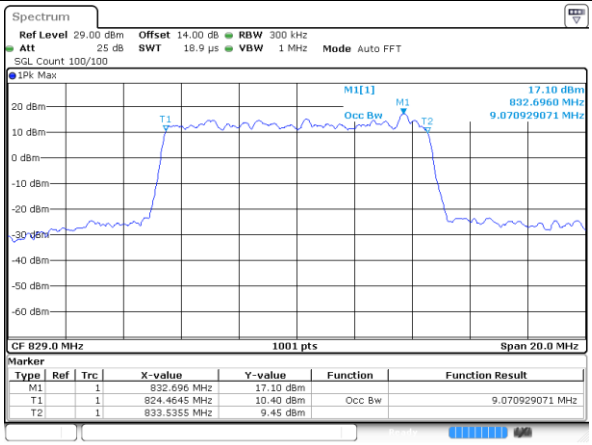
## LTE Band 5

### Lowest Channel / 10MHz / QPSK



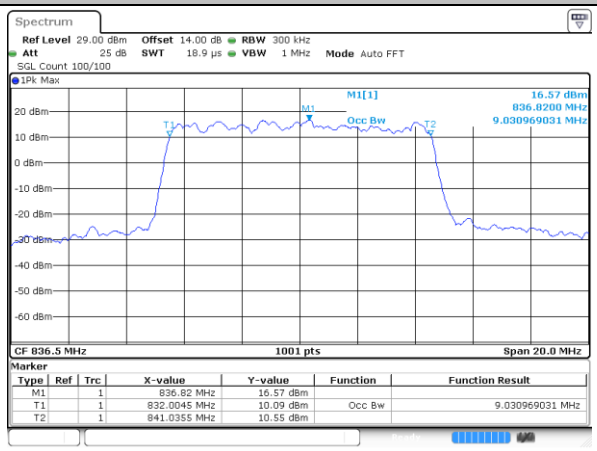

Date: 2.AUG.2021 11:23:38

### Lowest Channel / 10MHz / 16QAM



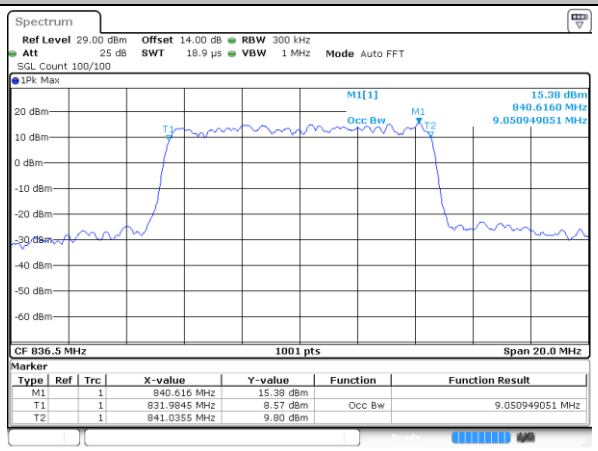

Date: 2.AUG.2021 11:23:49

### Middle Channel / 10MHz / QPSK



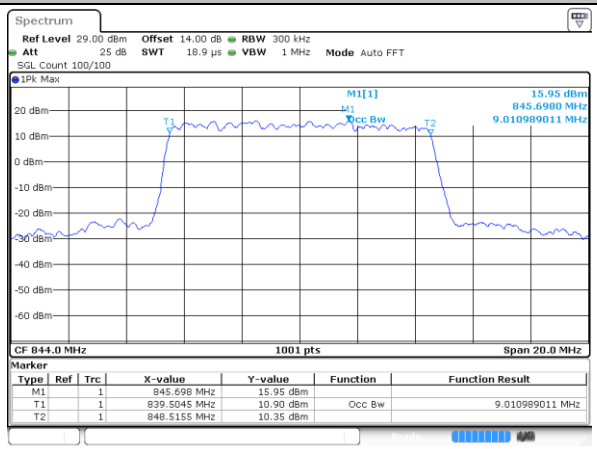

Date: 2.AUG.2021 11:32:55

### Middle Channel / 10MHz / 16QAM



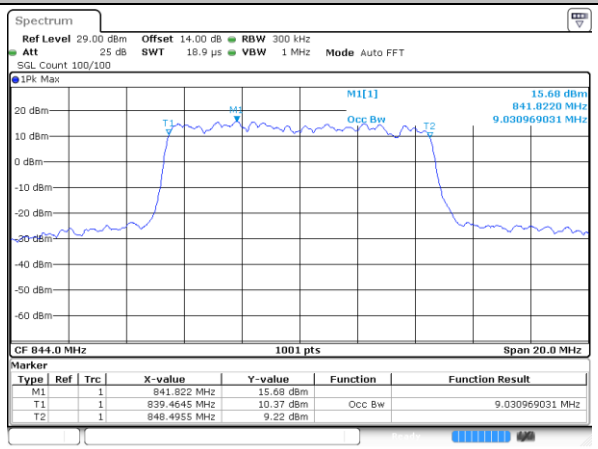

Date: 2.AUG.2021 11:33:06

### Highest Channel / 10MHz / QPSK




Date: 2.AUG.2021 11:35:37

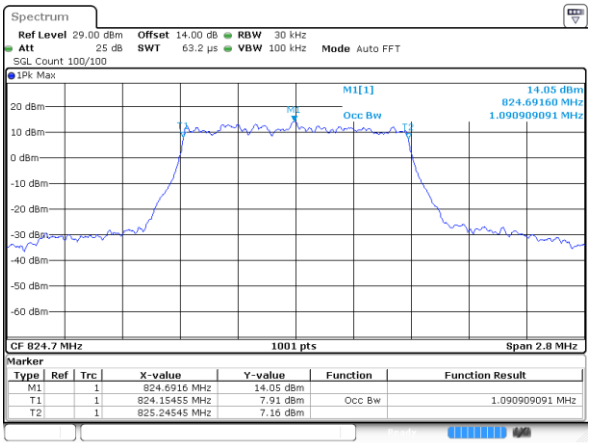
### Highest Channel / 10MHz / 16QAM




Date: 2.AUG.2021 11:35:48

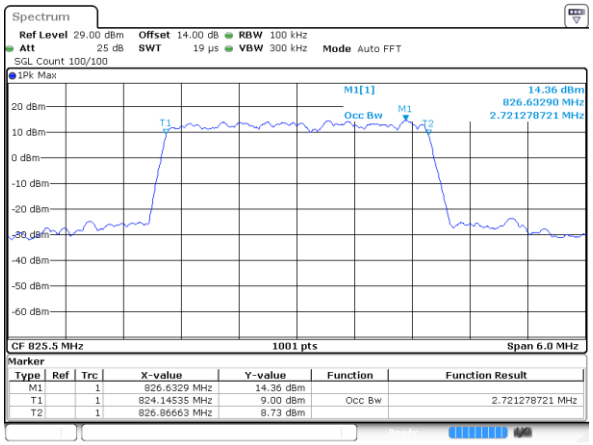
## LTE Band 5

### Lowest Channel / 1.4MHz / 64QAM



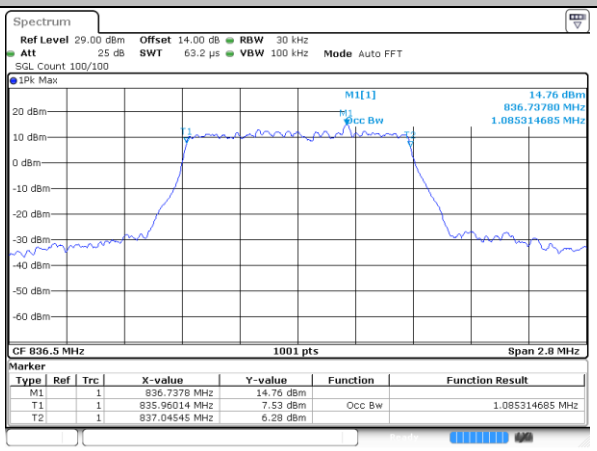

Date: 2.AUG.2021 10:10:06

### Lowest Channel / 3MHz / 64QAM



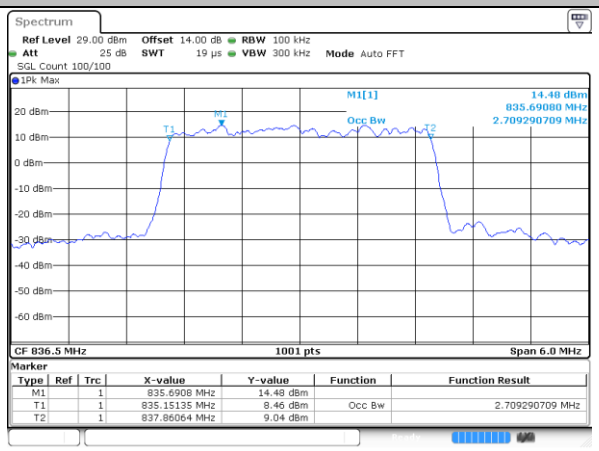

Date: 2.AUG.2021 10:42:02

### Middle Channel / 1.4MHz / 64QAM



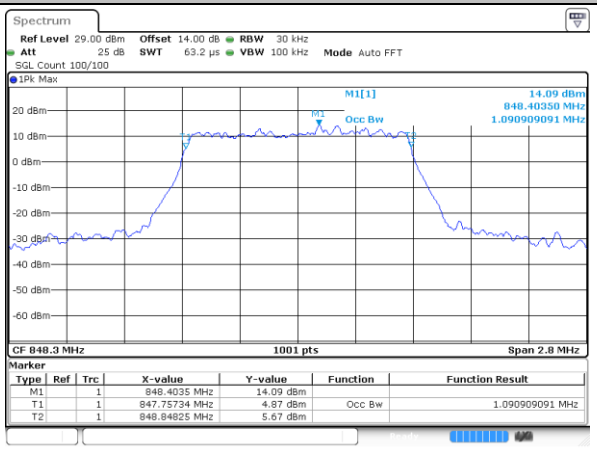

Date: 2.AUG.2021 10:14:45

### Middle Channel / 3MHz / 64QAM



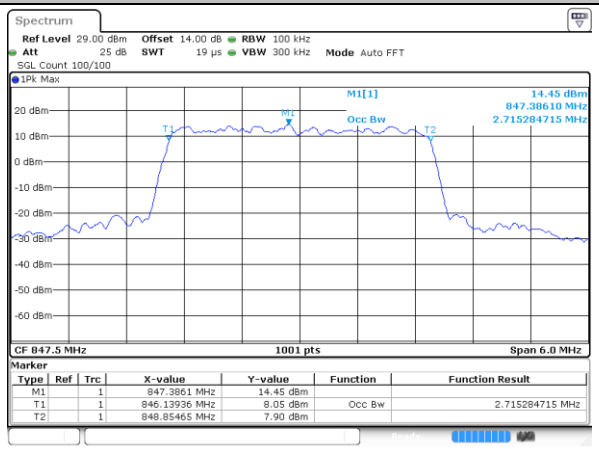

Date: 2.AUG.2021 10:46:41

### Highest Channel / 1.4MHz / 64QAM




Date: 2.AUG.2021 10:16:07

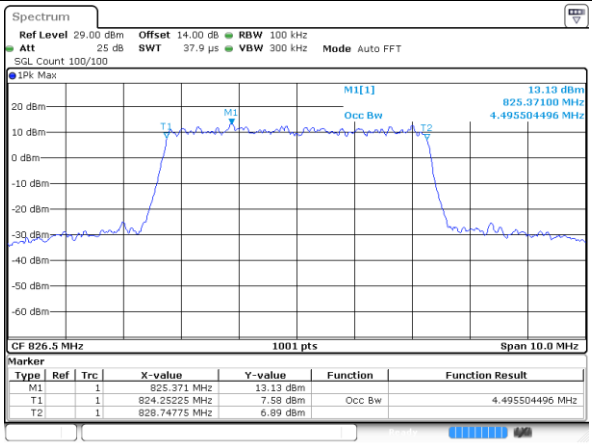
### Highest Channel / 3MHz / 64QAM



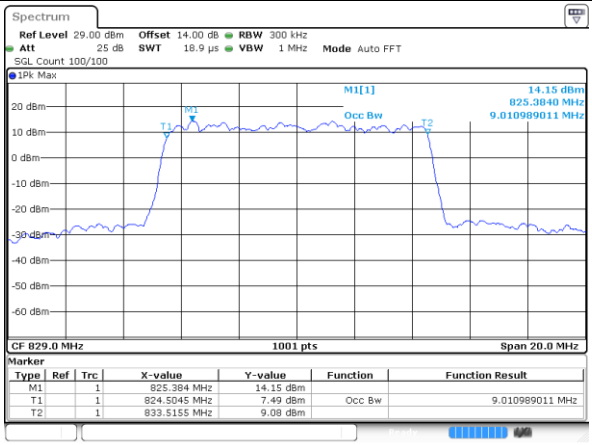

Date: 2.AUG.2021 10:48:02

## LTE Band 5

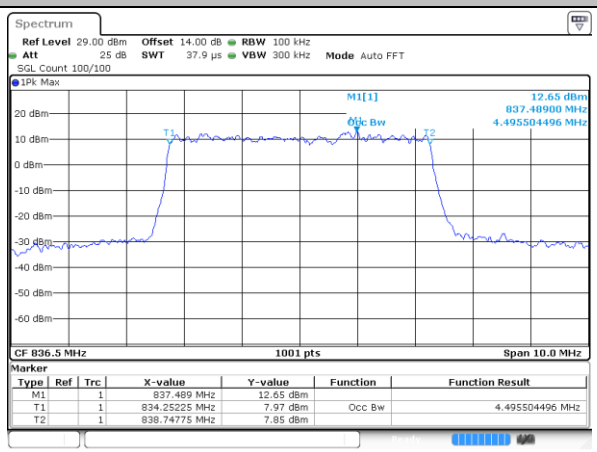
### Lowest Channel / 5MHz / 64QAM



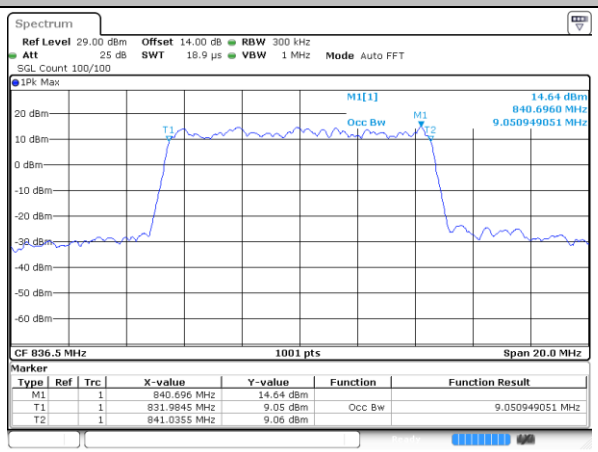

### Lowest Channel / 10MHz / 64QAM



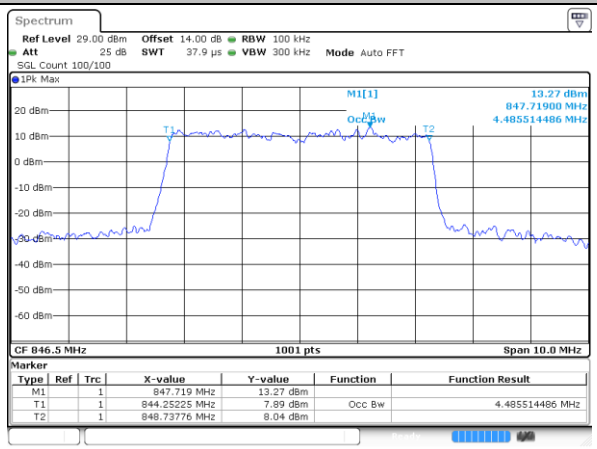

### Middle Channel / 5MHz / 64QAM



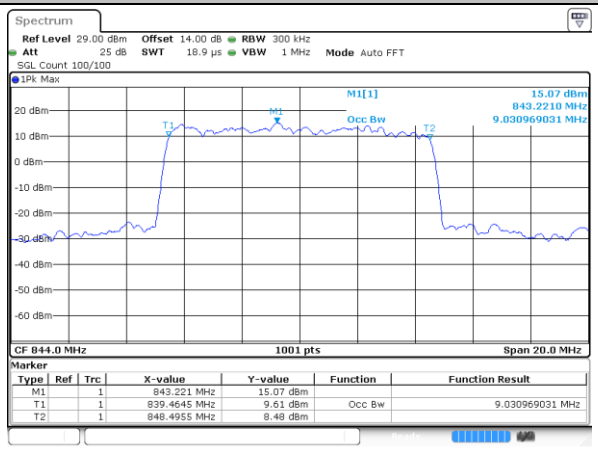

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM



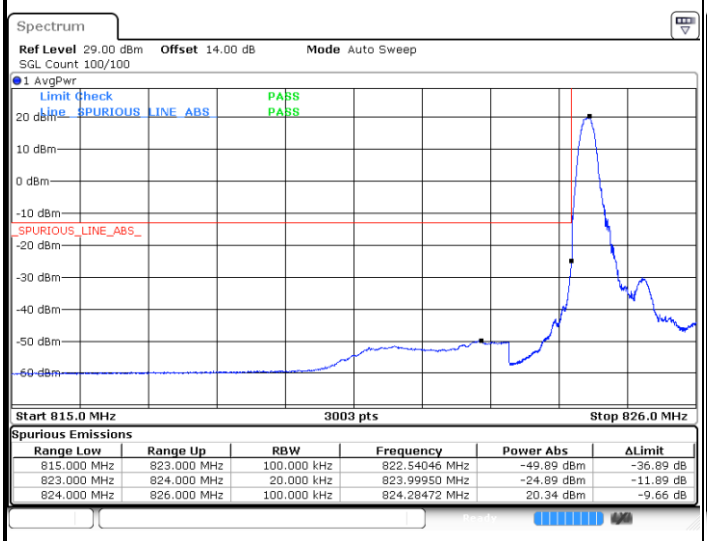

### Highest Channel / 10MHz / 64QAM



# Conducted Band Edge

## LTE Band 5 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB

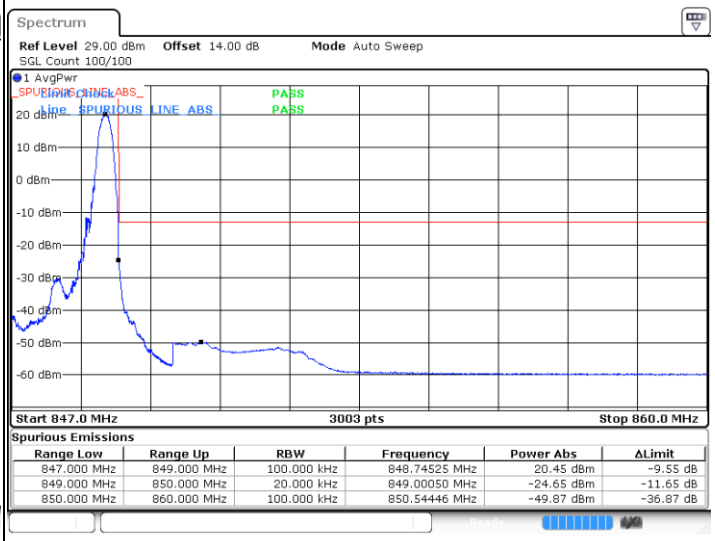



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.54046 MHz | -49.89 dBm | -36.89 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -24.89 dBm | -11.89 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.28472 MHz | 20.34 dBm | -9.66 dB |

Date: 2.AUG.2021 09:51:01

### Highest Band Edge / 1RB

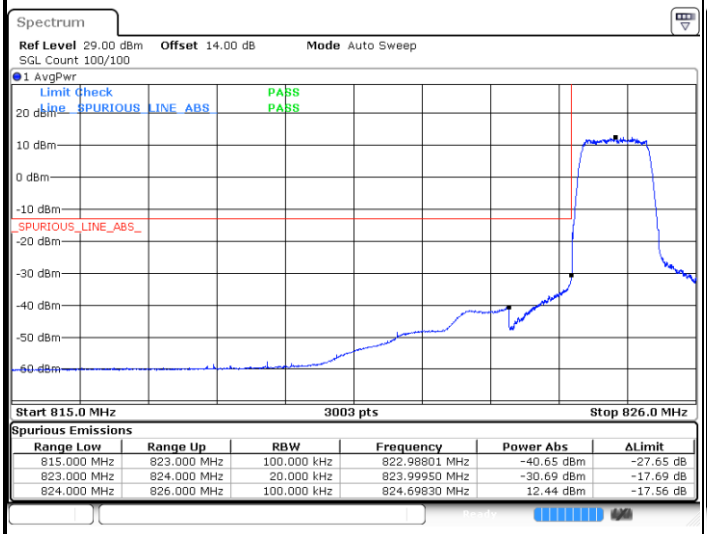



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.74525 MHz | 20.45 dBm | -9.55 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -24.65 dBm | -11.65 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.54446 MHz | -49.87 dBm | -36.87 dB |

Date: 2.AUG.2021 10:06:18

### Lowest Band Edge / Full RB

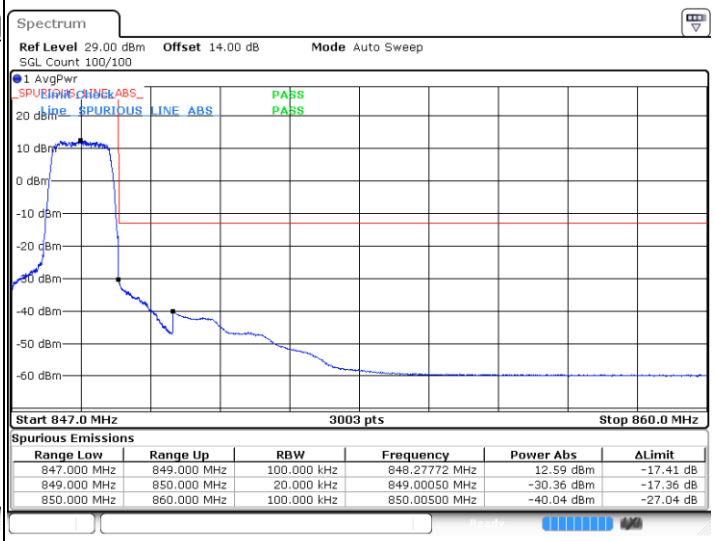



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98801 MHz | -40.65 dBm | -27.65 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -30.69 dBm | -17.69 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.69830 MHz | 12.44 dBm | -17.56 dB |

Date: 2.AUG.2021 09:54:18

### Highest Band Edge / Full RB



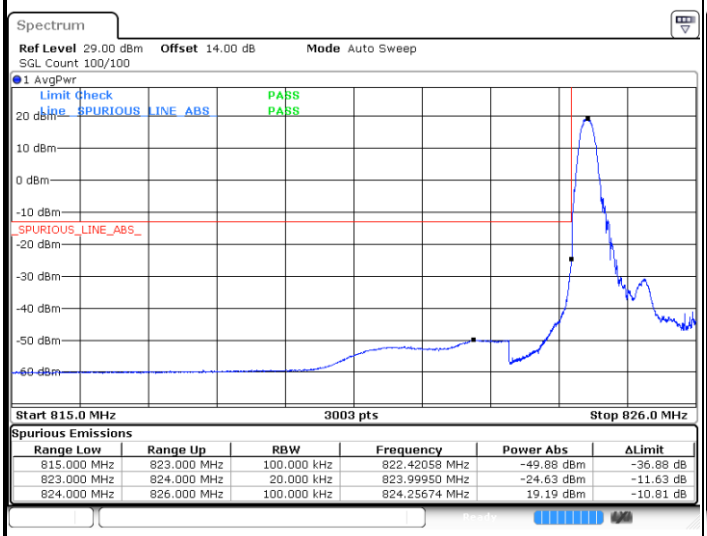

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.27772 MHz | 12.59 dBm | -17.41 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -30.36 dBm | -17.36 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -40.04 dBm | -27.04 dB |

Date: 2.AUG.2021 10:03:00

## LTE Band 5 / 1.4MHz / 16QAM

### Lowest Band Edge / 1 RB

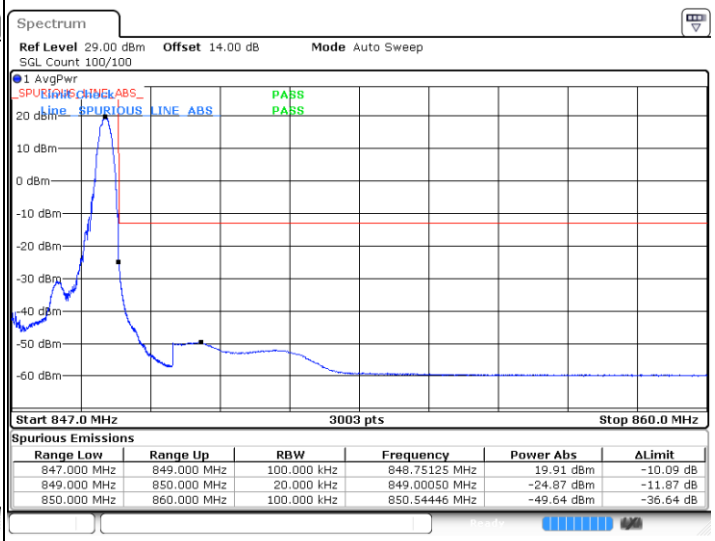



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.42058 MHz | -49.88 dBm | -36.88 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -24.63 dBm | -11.63 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.25674 MHz | 19.19 dBm | -10.81 dB |

Date: 2.AUG.2021 09:52:40

### Highest Band Edge / 1 RB

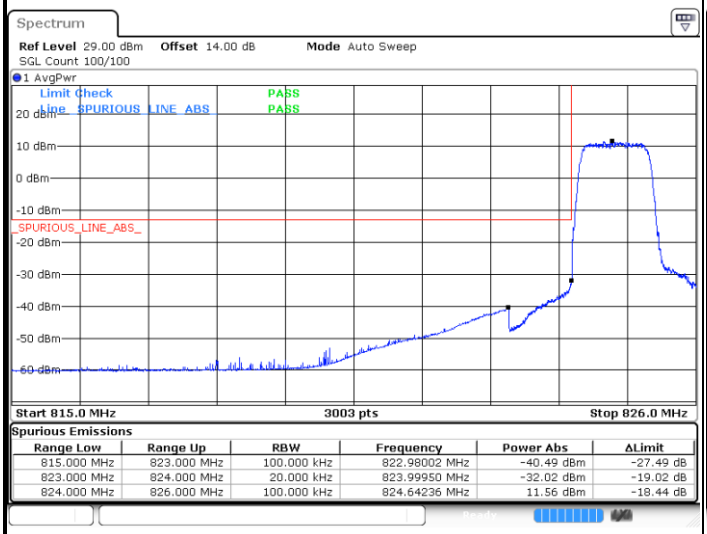



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.75125 MHz | 19.91 dBm | -10.09 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -24.87 dBm | -11.87 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.54446 MHz | -49.64 dBm | -36.64 dB |

Date: 2.AUG.2021 10:07:57

### Lowest Band Edge / Full RB

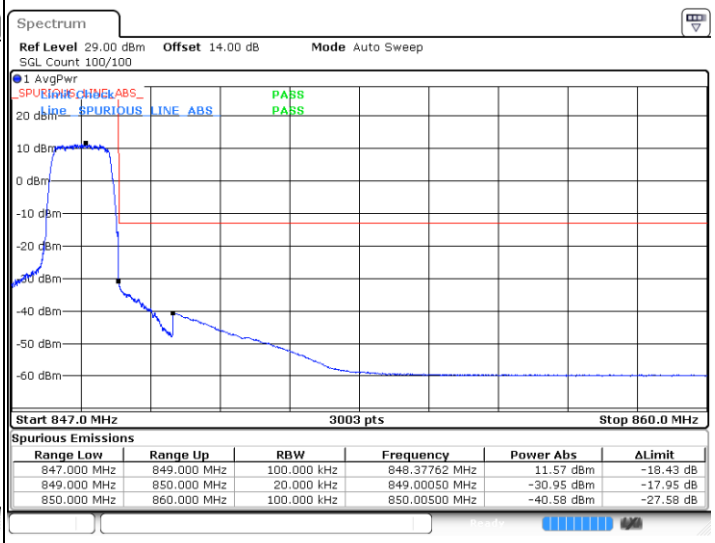



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -40.49 dBm | -27.49 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -32.02 dBm | -19.02 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.64236 MHz | 11.56 dBm | -18.44 dB |

Date: 2.AUG.2021 09:55:57

### Highest Band Edge / Full RB



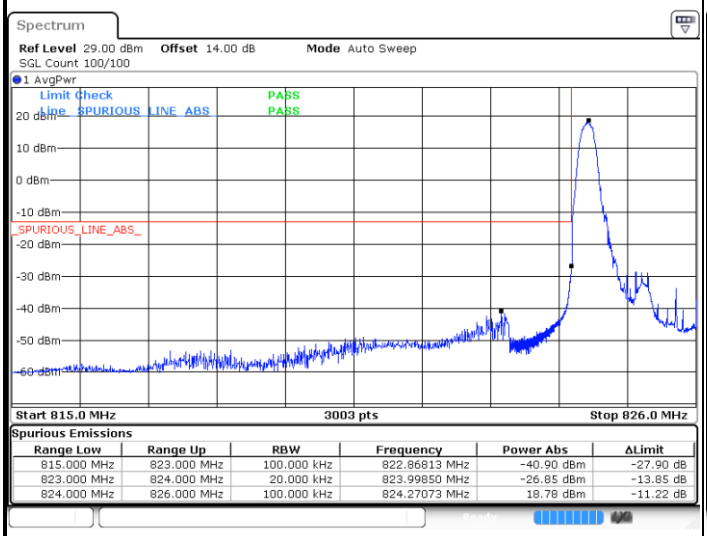

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.37762 MHz | 11.57 dBm | -18.43 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -30.95 dBm | -17.95 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -40.58 dBm | -27.58 dB |

Date: 2.AUG.2021 10:04:39

## LTE Band 5 / 1.4MHz / 64QAM

### Lowest Band Edge / 1 RB

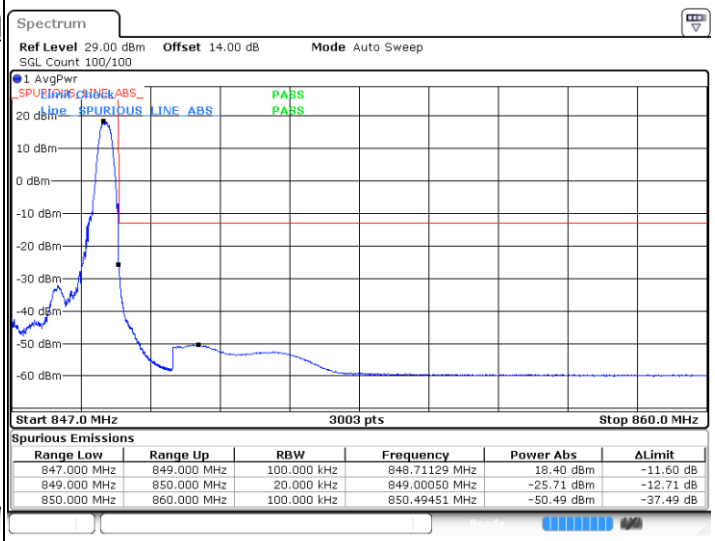



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.86813 MHz | -40.90 dBm | -27.90 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99850 MHz | -26.85 dBm | -13.85 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.27073 MHz | 18.78 dBm | -11.22 dB |

Date: 2.AUG.2021 10:11:56

### Highest Band Edge / 1 RB

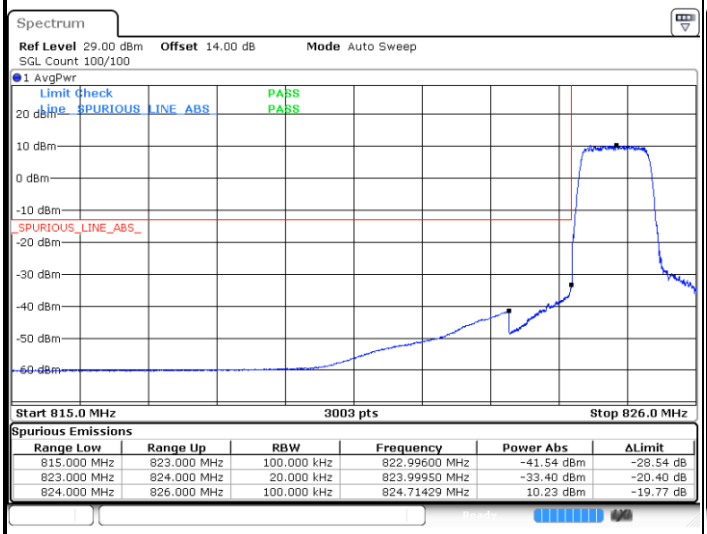



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.71129 MHz | 18.40 dBm | -11.60 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -25.71 dBm | -12.71 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.49451 MHz | -50.49 dBm | -37.49 dB |

Date: 2.AUG.2021 10:19:35

### Lowest Band Edge / Full RB

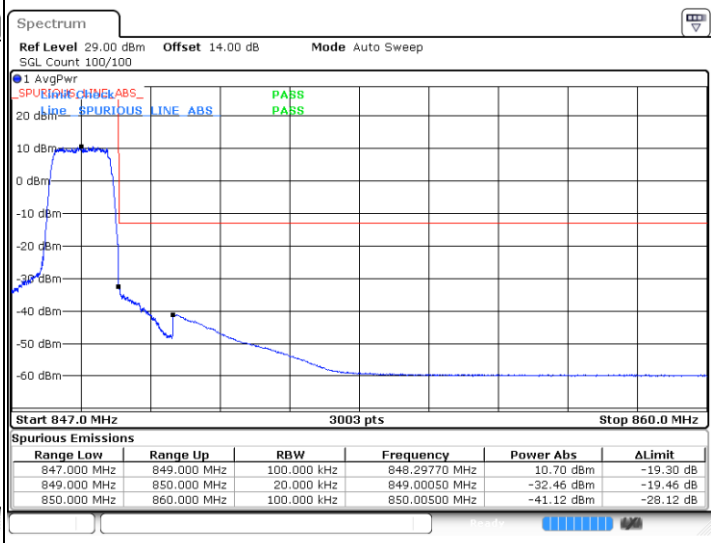



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -41.54 dBm | -28.54 dB |
| 823.000 MHz | 824.000 MHz | 20.000 kHz | 823.99950 MHz | -33.40 dBm | -20.40 dB |
| 824.000 MHz | 826.000 MHz | 100.000 kHz | 824.71429 MHz | 10.23 dBm | -19.77 dB |

Date: 2.AUG.2021 10:13:35

### Highest Band Edge / Full RB



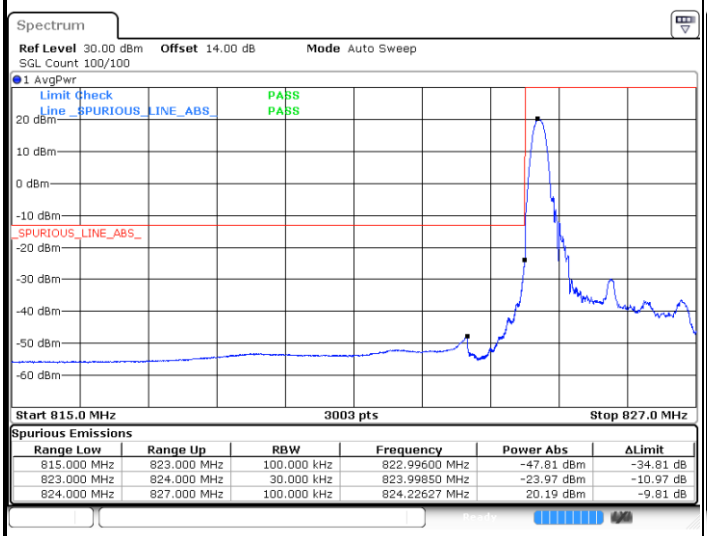

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 847.000 MHz | 849.000 MHz | 100.000 kHz | 848.29770 MHz | 10.70 dBm | -19.30 dB |
| 849.000 MHz | 850.000 MHz | 20.000 kHz | 849.00050 MHz | -32.46 dBm | -19.46 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -41.12 dBm | -28.12 dB |

Date: 2.AUG.2021 10:17:56

## LTE Band 5 / 3MHz / QPSK

### Lowest Band Edge / 1RB

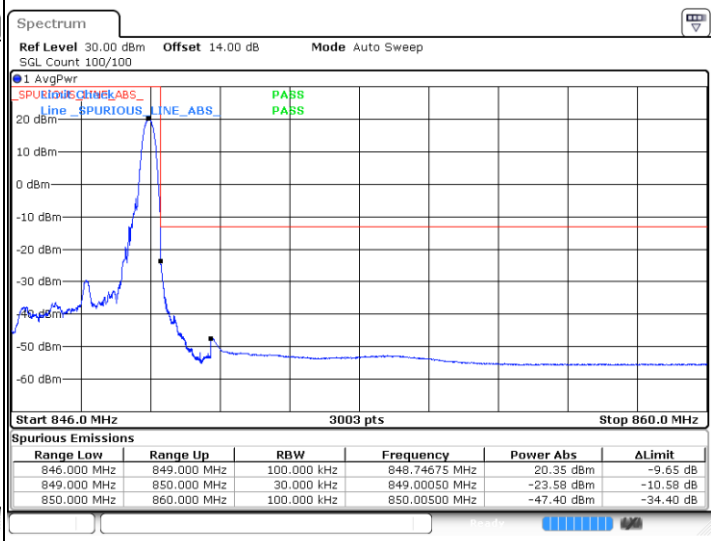



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -47.81 dBm | -34.81 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99850 MHz | -23.97 dBm | -10.97 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.22627 MHz | 20.19 dBm | -9.81 dB |

Date: 2.AUG.2021 10:22:57

### Highest Band Edge / 1 RB

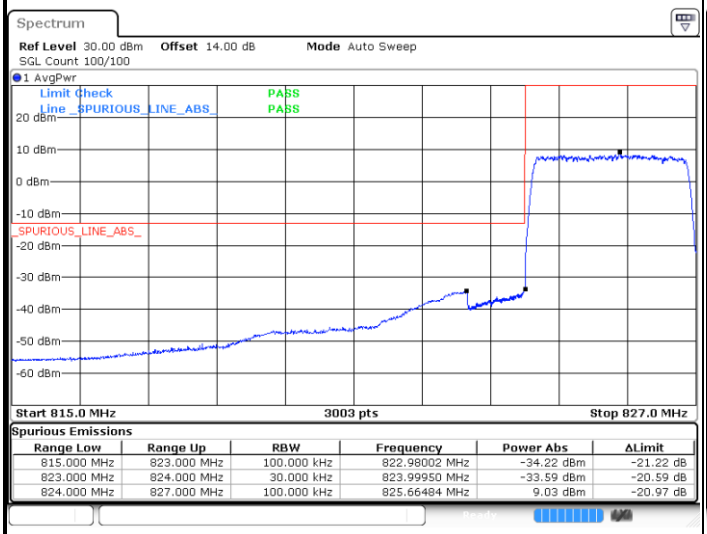



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 848.74675 MHz | 20.35 dBm | -9.65 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -23.58 dBm | -10.58 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -47.40 dBm | -34.40 dB |

Date: 2.AUG.2021 10:34:56

### Lowest Band Edge / Full RB

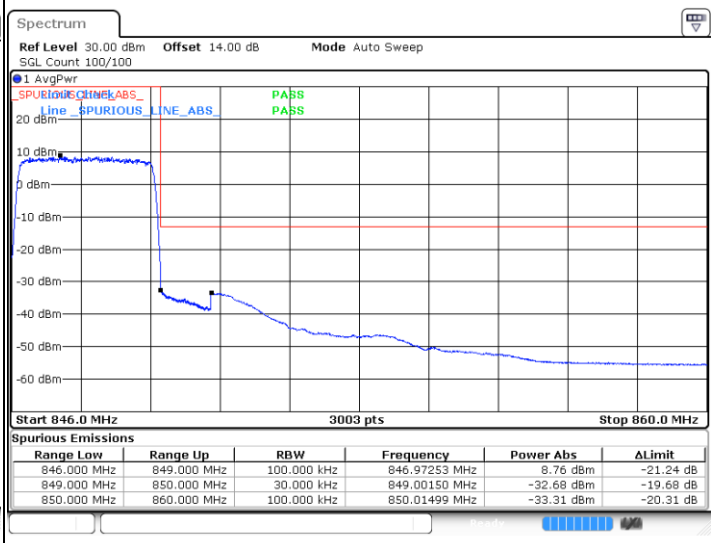



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -34.22 dBm | -21.22 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -33.59 dBm | -20.59 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 825.66484 MHz | 9.03 dBm | -20.97 dB |

Date: 2.AUG.2021 10:26:14

### Highest Band Edge / Full RB



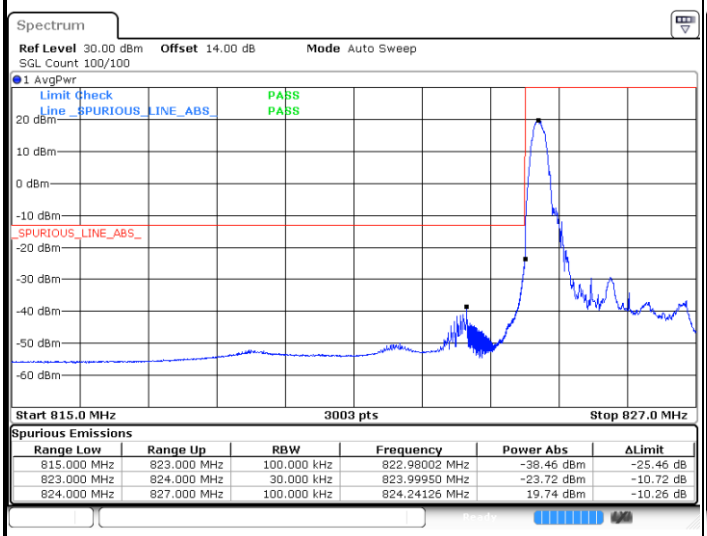

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 846.97253 MHz | 8.76 dBm | -21.24 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00150 MHz | -32.68 dBm | -19.68 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -33.31 dBm | -20.31 dB |

Date: 2.AUG.2021 10:38:14

## LTE Band 5 / 3MHz / 16QAM

### Lowest Band Edge / 1 RB

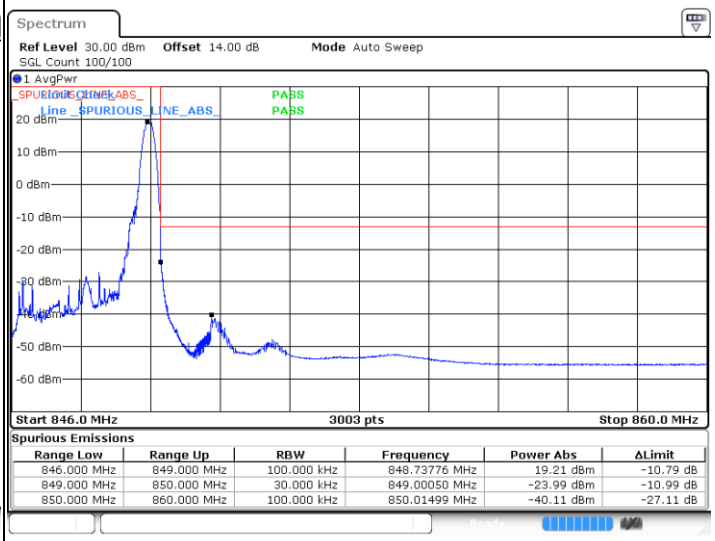



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -38.46 dBm | -25.46 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -23.72 dBm | -10.72 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.24126 MHz | 19.74 dBm | -10.26 dB |

Date: 2.AUG.2021 10:24:36

### Highest Band Edge /1 RB

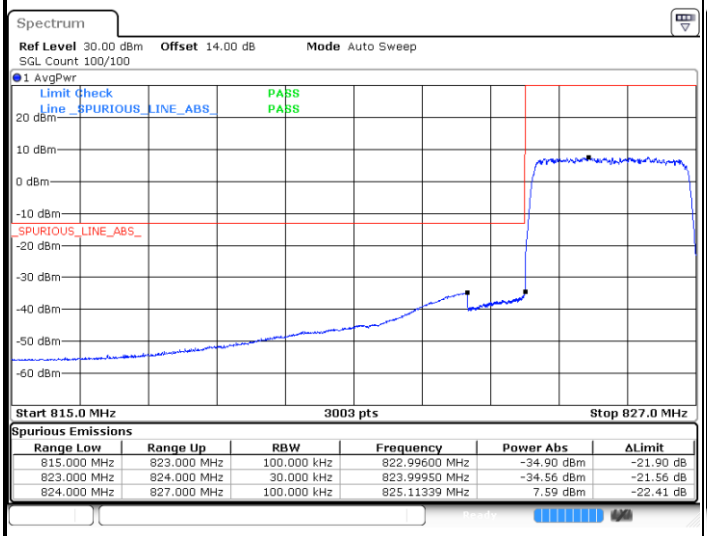



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 848.73776 MHz | 19.21 dBm | -10.79 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -23.99 dBm | -10.99 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -40.11 dBm | -27.11 dB |

Date: 2.AUG.2021 10:36:35

### Lowest Band Edge / Full RB

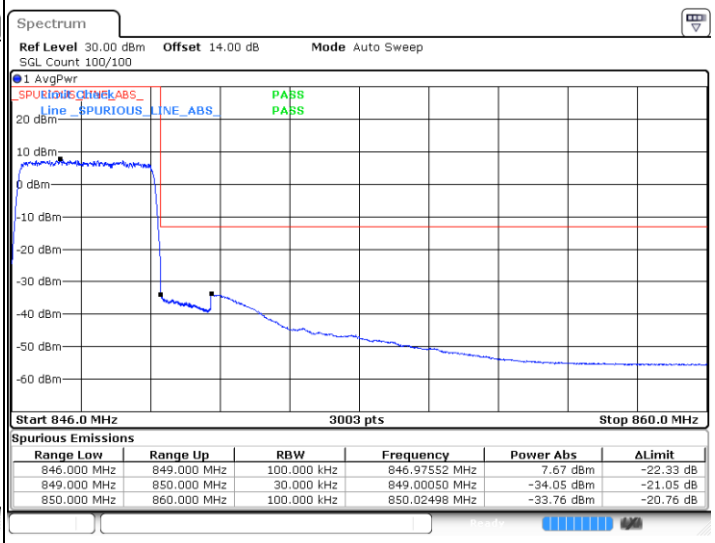



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -34.90 dBm | -21.90 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -34.56 dBm | -21.56 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 825.11339 MHz | 7.59 dBm | -22.41 dB |

Date: 2.AUG.2021 10:27:53

### Highest Band Edge / Full RB



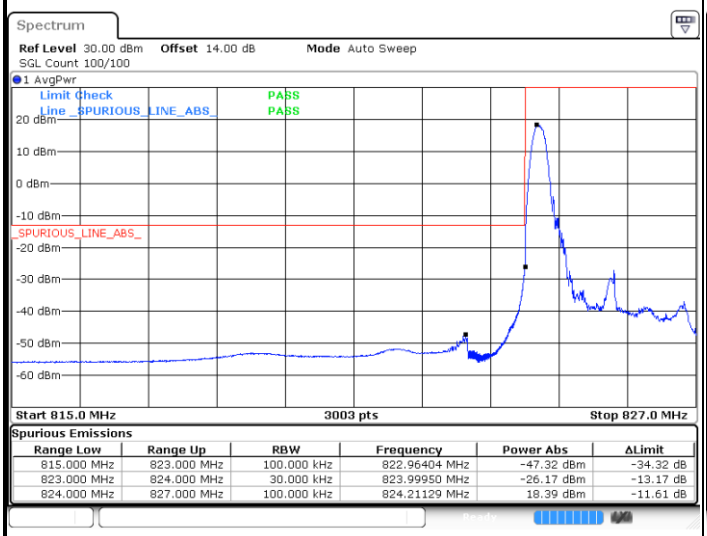

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 846.97552 MHz | 7.67 dBm | -22.33 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -34.05 dBm | -21.05 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.02498 MHz | -33.76 dBm | -20.76 dB |

Date: 2.AUG.2021 10:39:53

## LTE Band 5 / 3MHz / 64QAM

### Lowest Band Edge / 1 RB

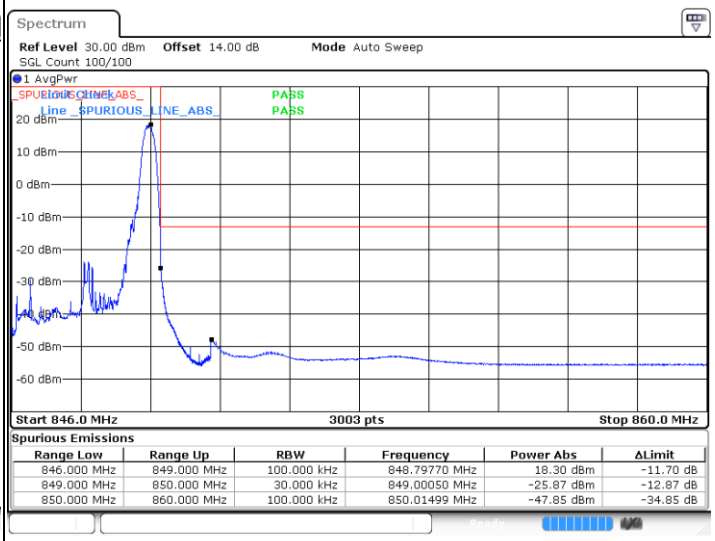



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.96404 MHz | -47.32 dBm | -34.32 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -26.17 dBm | -13.17 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 824.21129 MHz | 18.39 dBm | -11.61 dB |

Date: 2.AUG.2021 10:43:52

### Highest Band Edge /1 RB

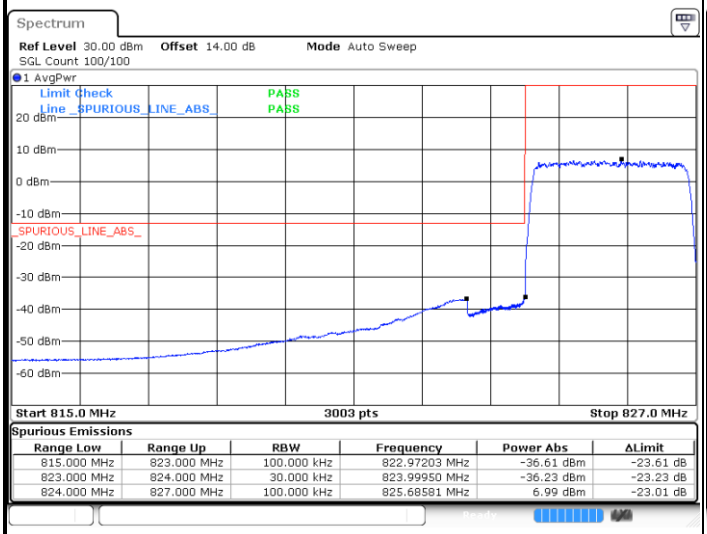



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 848.79770 MHz | 18.30 dBm | -11.70 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00050 MHz | -25.87 dBm | -12.87 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -47.85 dBm | -34.85 dB |

Date: 2.AUG.2021 10:49:52

### Lowest Band Edge / Full RB

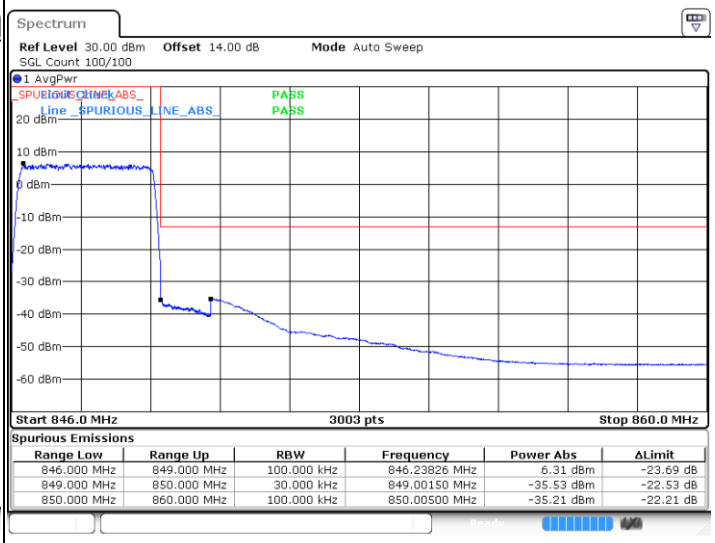



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.97203 MHz | -36.61 dBm | -23.61 dB |
| 823.000 MHz | 824.000 MHz | 30.000 kHz | 823.99950 MHz | -36.23 dBm | -23.23 dB |
| 824.000 MHz | 827.000 MHz | 100.000 kHz | 825.68581 MHz | 6.99 dBm | -23.01 dB |

Date: 2.AUG.2021 10:45:31

### Highest Band Edge / Full RB



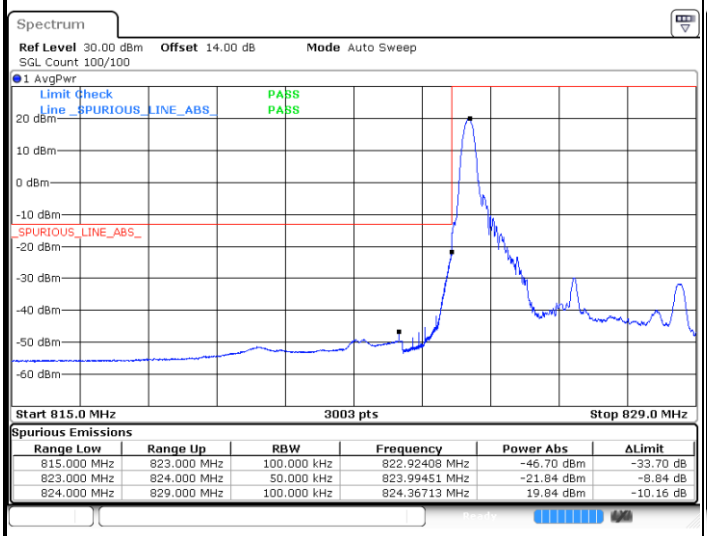

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 846.000 MHz | 849.000 MHz | 100.000 kHz | 846.23826 MHz | 6.31 dBm | -23.69 dB |
| 849.000 MHz | 850.000 MHz | 30.000 kHz | 849.00150 MHz | -35.53 dBm | -22.53 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -35.21 dBm | -22.21 dB |

Date: 2.AUG.2021 10:51:31

## LTE Band 5 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

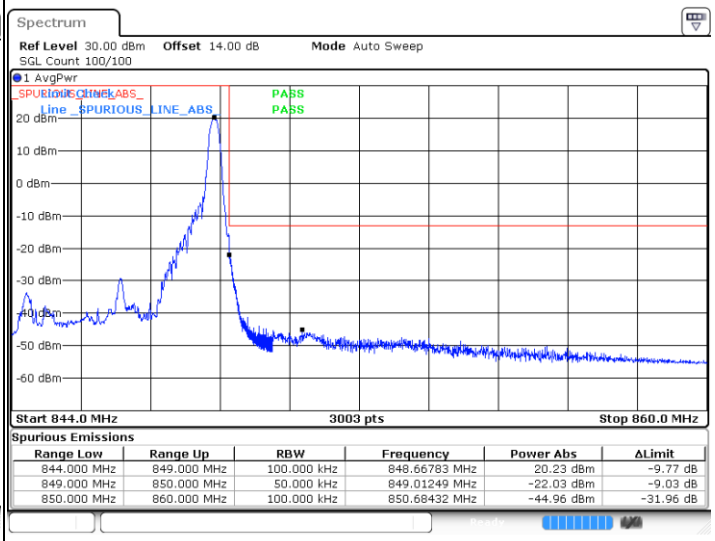



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.92408 MHz | -46.70 dBm | -33.70 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99451 MHz | -21.84 dBm | -8.84 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 824.36713 MHz | 19.84 dBm | -10.16 dB |

Date: 2.AUG.2021 10:54:53

### Highest Band Edge / 1 RB

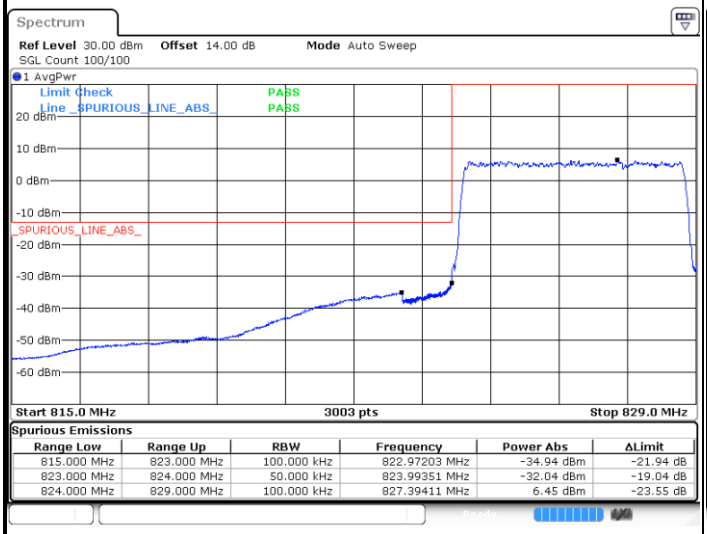



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 848.66783 MHz | 20.23 dBm | -9.77 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.01249 MHz | -22.03 dBm | -9.03 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.68432 MHz | -44.96 dBm | -31.96 dB |

Date: 2.AUG.2021 11:06:52

### Lowest Band Edge / Full RB

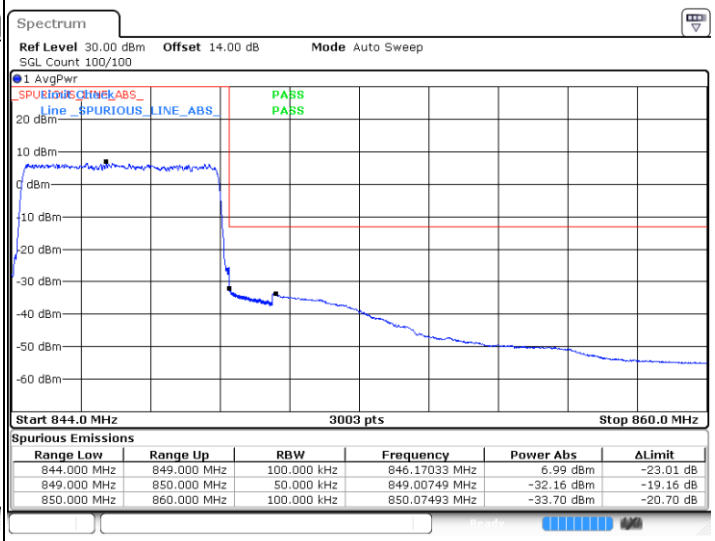



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.97203 MHz | -34.94 dBm | -21.94 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99351 MHz | -32.04 dBm | -19.04 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 827.39411 MHz | 6.45 dBm | -23.55 dB |

Date: 2.AUG.2021 10:58:11

### Highest Band Edge / Full RB



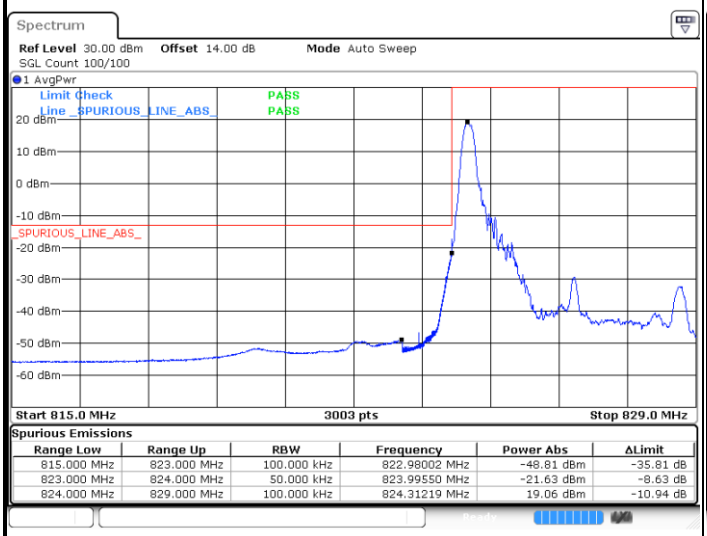

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 846.17033 MHz | 6.99 dBm | -23.01 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00749 MHz | -32.16 dBm | -19.16 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.07493 MHz | -33.70 dBm | -20.70 dB |

Date: 2.AUG.2021 11:10:10

## LTE Band 5 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

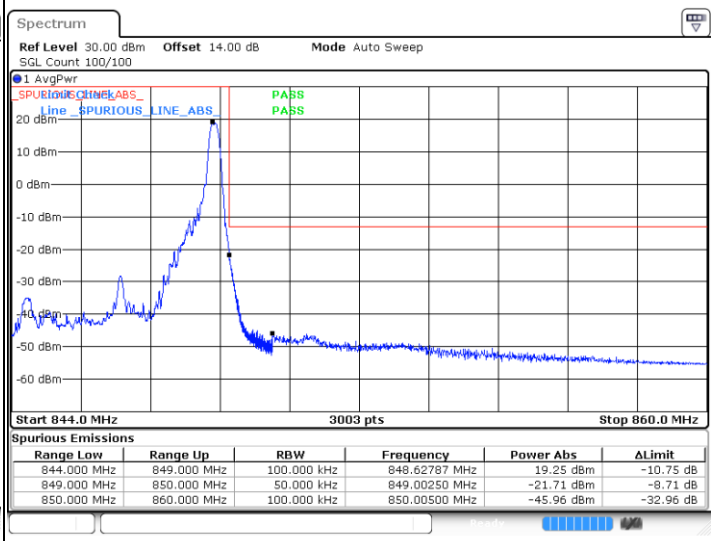



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -48.81 dBm | -35.81 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99550 MHz | -21.63 dBm | -8.63 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 824.31219 MHz | 19.06 dBm | -10.94 dB |

Date: 2.AUG.2021 10:56:32

### Highest Band Edge / 1 RB

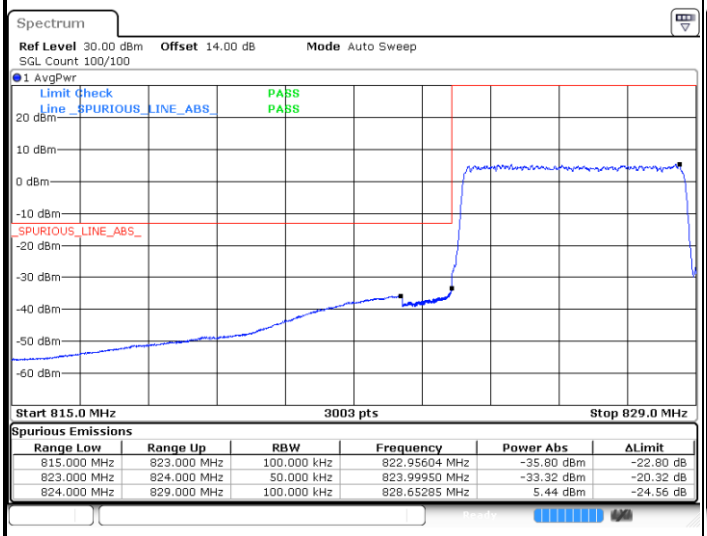



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 848.62787 MHz | 19.25 dBm | -10.75 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00250 MHz | -21.71 dBm | -8.71 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.00500 MHz | -45.96 dBm | -32.96 dB |

Date: 2.AUG.2021 11:08:31

### Lowest Band Edge / Full RB

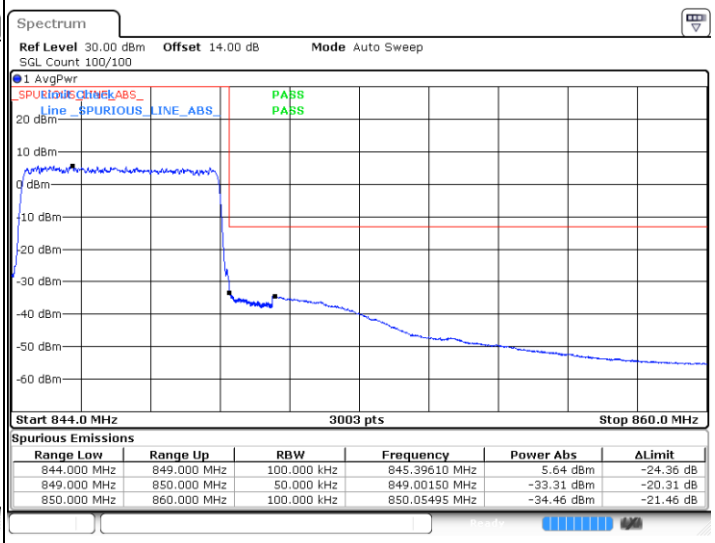



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.95604 MHz | -35.80 dBm | -22.80 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99950 MHz | -33.32 dBm | -20.32 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 828.65285 MHz | 5.44 dBm | -24.56 dB |

Date: 2.AUG.2021 10:59:50

### Highest Band Edge / Full RB



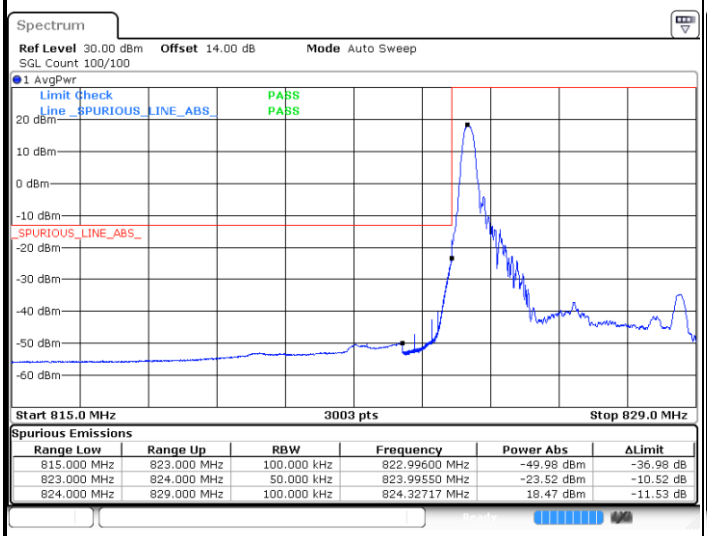

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 845.39610 MHz | 5.64 dBm | -24.36 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00150 MHz | -33.31 dBm | -20.31 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.05495 MHz | -34.46 dBm | -21.46 dB |

Date: 2.AUG.2021 11:11:49

## LTE Band 5 / 5MHz / 64QAM

### Lowest Band Edge / 1RB

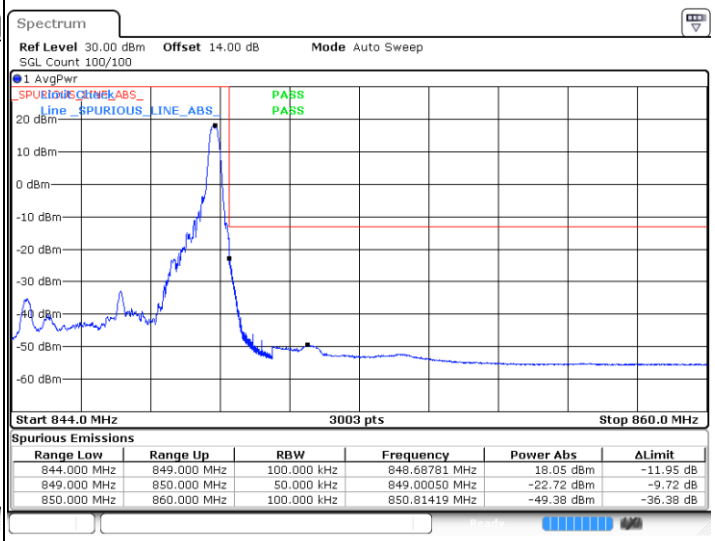



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.99600 MHz | -49.98 dBm | -36.98 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99550 MHz | -23.52 dBm | -10.52 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 824.32717 MHz | 18.47 dBm | -11.53 dB |

Date: 2.AUG.2021 11:15:48

### Highest Band Edge / 1 RB

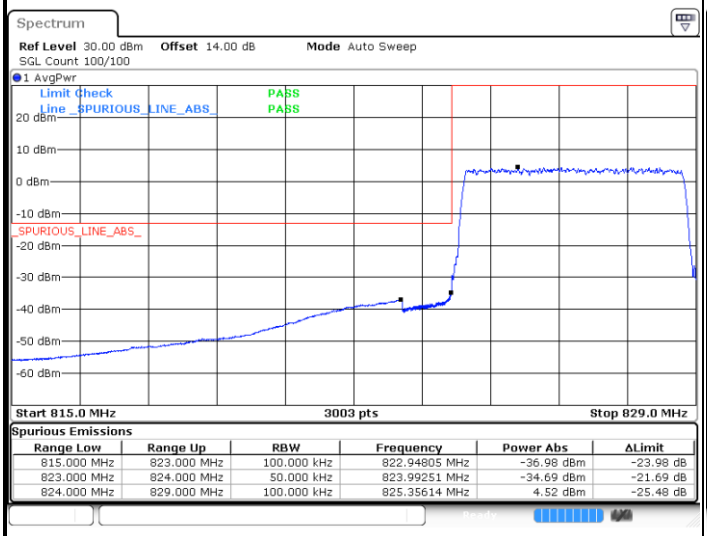



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 848.68781 MHz | 18.05 dBm | -11.95 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00050 MHz | -22.72 dBm | -9.72 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.81419 MHz | -49.38 dBm | -36.38 dB |

Date: 2.AUG.2021 11:21:48

### Lowest Band Edge / Full RB

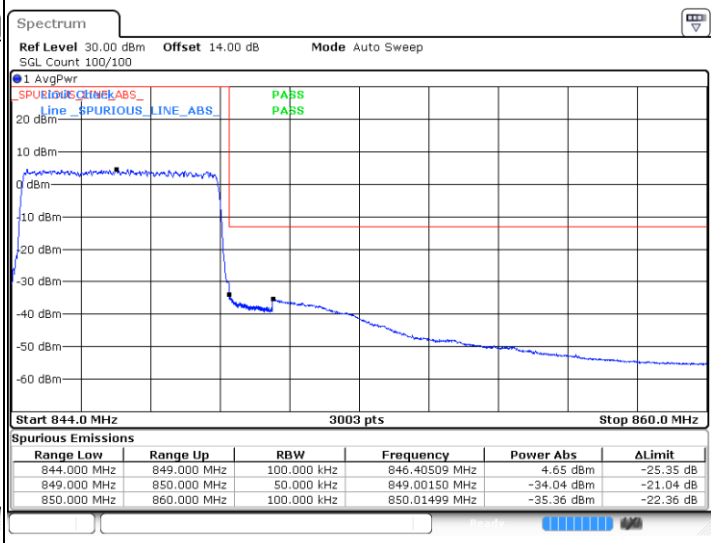



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.94805 MHz | -36.98 dBm | -23.98 dB |
| 823.000 MHz | 824.000 MHz | 50.000 kHz | 823.99251 MHz | -34.69 dBm | -21.69 dB |
| 824.000 MHz | 829.000 MHz | 100.000 kHz | 825.35614 MHz | 4.52 dBm | -25.48 dB |

Date: 2.AUG.2021 11:17:27

### Highest Band Edge / Full RB



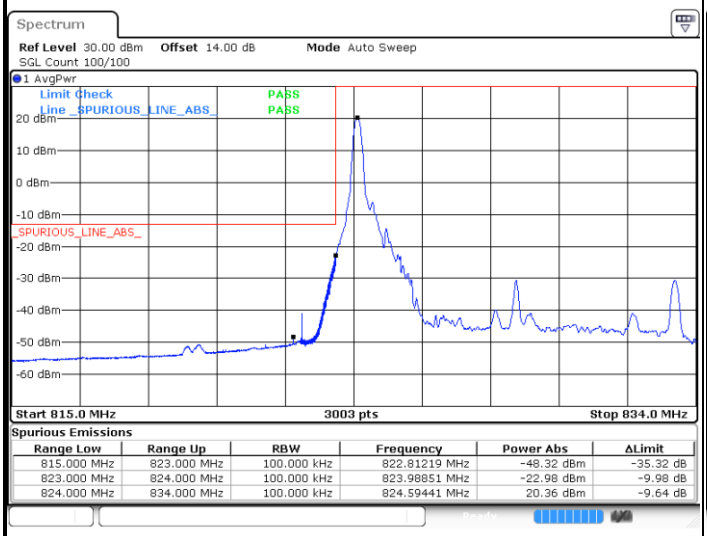

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 844.000 MHz | 849.000 MHz | 100.000 kHz | 846.40509 MHz | 4.65 dBm | -25.35 dB |
| 849.000 MHz | 850.000 MHz | 50.000 kHz | 849.00150 MHz | -34.04 dBm | -21.04 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -35.36 dBm | -22.36 dB |

Date: 2.AUG.2021 11:23:27

## LTE Band 5 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

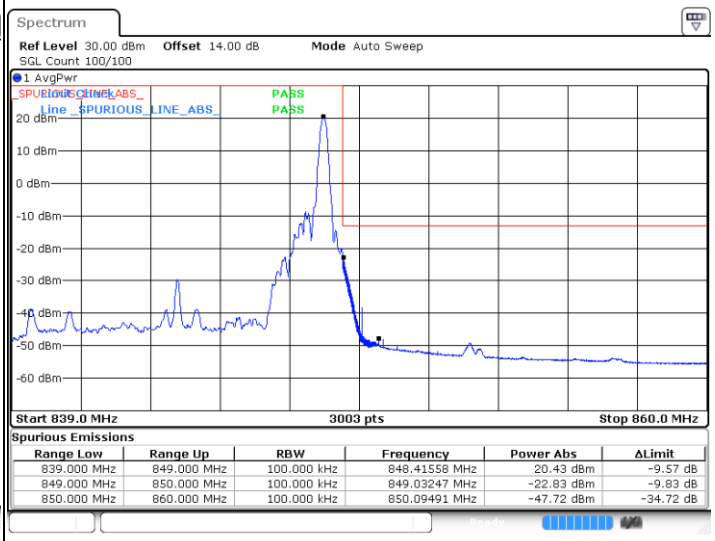



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.81219 MHz | -48.32 dBm | -35.32 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.98851 MHz | -22.98 dBm | -9.98 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 824.59441 MHz | 20.36 dBm | -9.64 dB |

Date: 2.AUG.2021 11:25:49

### Highest Band Edge / 1 RB

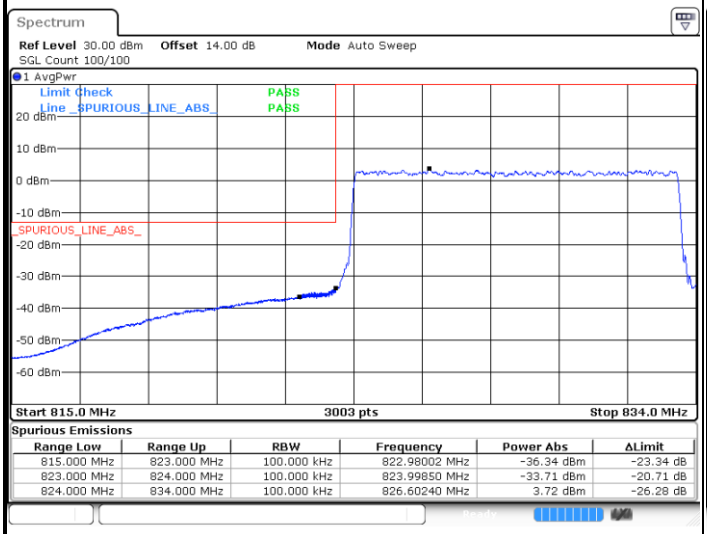



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 848.41558 MHz | 20.43 dBm | -9.57 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.03247 MHz | -22.83 dBm | -9.83 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.09491 MHz | -47.72 dBm | -34.72 dB |

Date: 2.AUG.2021 11:37:49

### Lowest Band Edge / Full RB

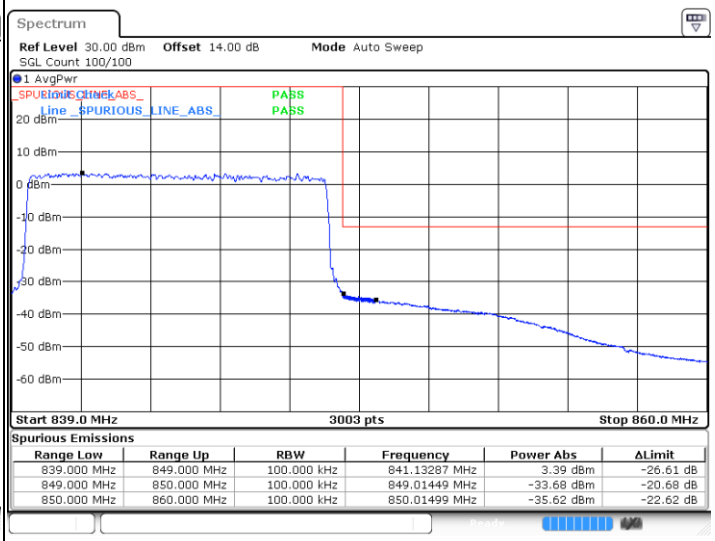



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -36.34 dBm | -23.34 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99850 MHz | -33.71 dBm | -20.71 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 826.60240 MHz | 3.72 dBm | -26.28 dB |

Date: 2.AUG.2021 11:29:07

### Highest Band Edge / Full RB



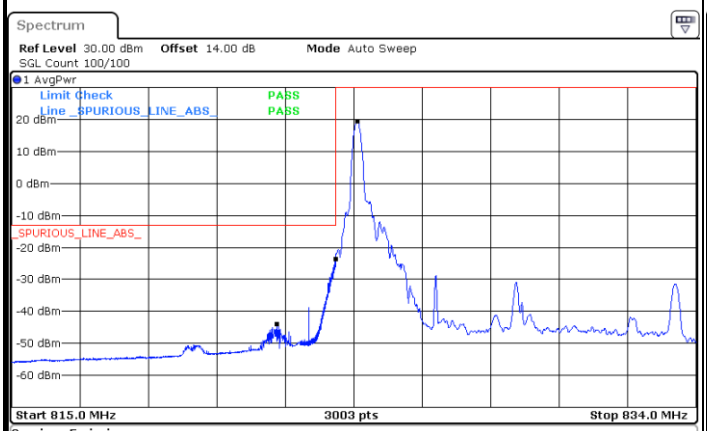

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 841.13287 MHz | 3.39 dBm | -26.61 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.01449 MHz | -33.68 dBm | -20.68 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -35.62 dBm | -22.62 dB |

Date: 2.AUG.2021 11:41:06

## LTE Band 5 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

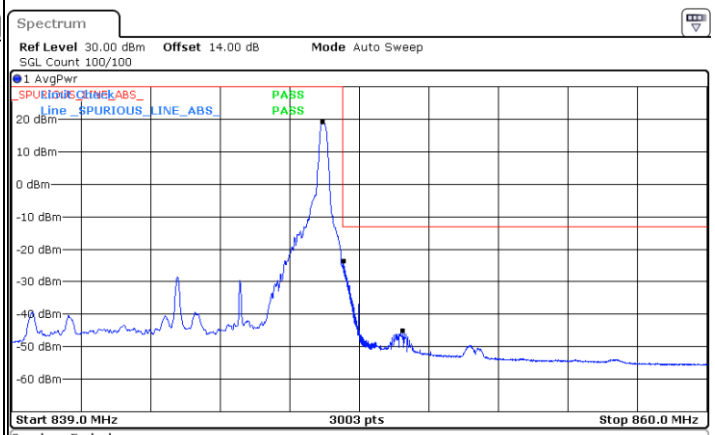



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.36464 MHz | -44.12 dBm | -31.12 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99550 MHz | -23.53 dBm | -10.53 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 824.60440 MHz | 19.44 dBm | -10.56 dB |

Date: 2.AUG.2021 11:27:28

### Highest Band Edge / 1 RB

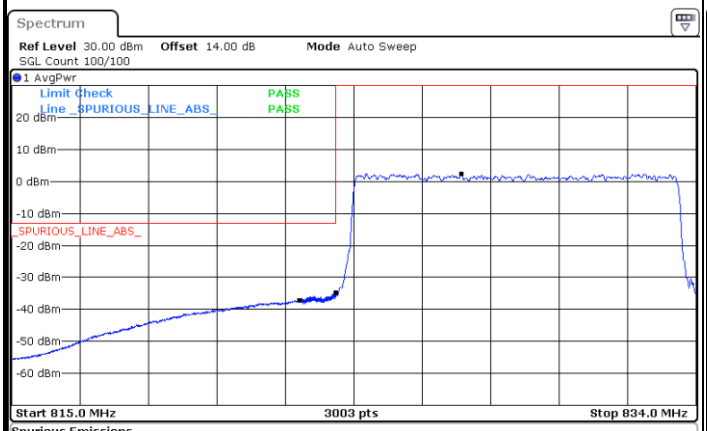



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 848.38561 MHz | 19.21 dBm | -10.79 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00849 MHz | -23.71 dBm | -10.71 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.80420 MHz | -45.00 dBm | -32.00 dB |

Date: 2.AUG.2021 11:39:27

### Lowest Band Edge / Full RB

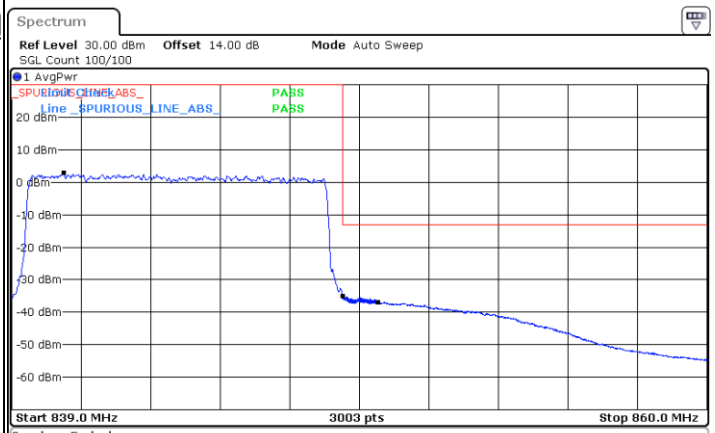



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.98002 MHz | -37.20 dBm | -24.20 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99251 MHz | -34.85 dBm | -21.85 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 827.48152 MHz | 2.31 dBm | -27.69 dB |

Date: 2.AUG.2021 11:30:46

### Highest Band Edge / Full RB



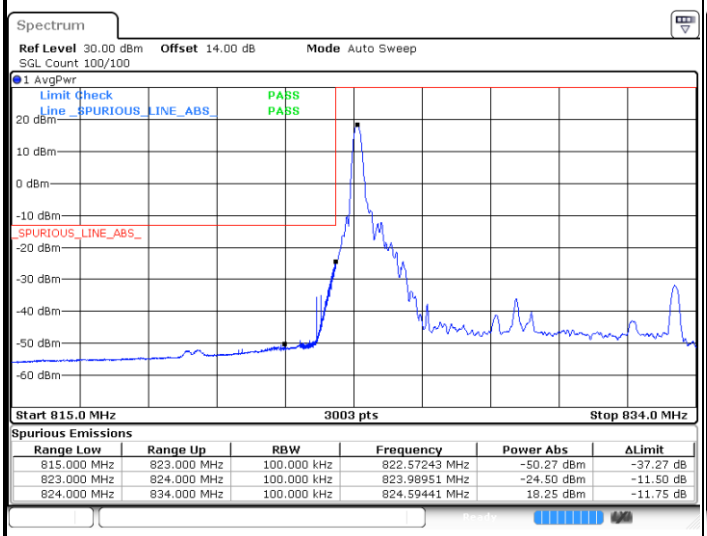

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 840.56344 MHz | 2.92 dBm | -27.08 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00050 MHz | -34.96 dBm | -21.96 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.06494 MHz | -36.92 dBm | -23.92 dB |

Date: 2.AUG.2021 11:42:45

## LTE Band 5 / 10MHz / 64QAM

### Lowest Band Edge / 1 RB

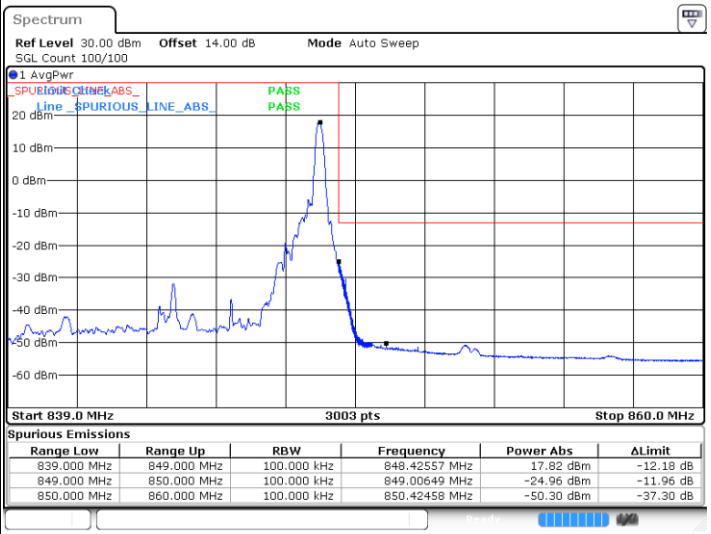



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.57243 MHz | -50.27 dBm | -37.27 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.98951 MHz | -24.50 dBm | -11.50 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 824.59441 MHz | 18.25 dBm | -11.75 dB |

Date: 2.AUG.2021 11:47:44

### Highest Band Edge / 1 RB

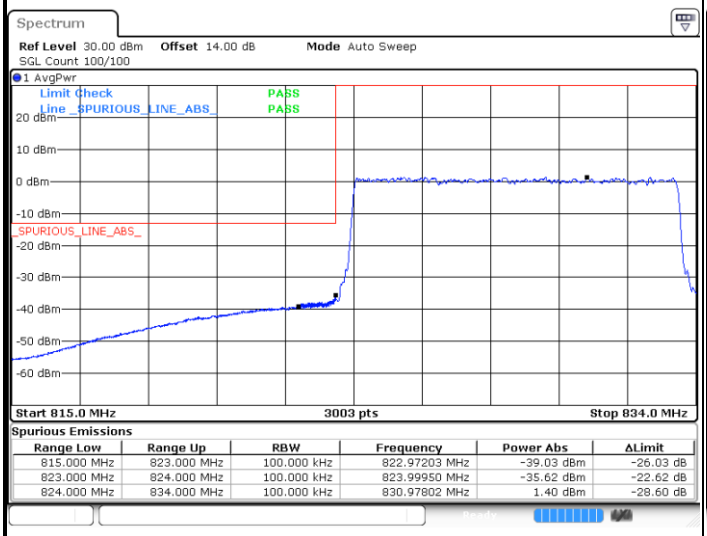



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 848.42557 MHz | 17.82 dBm | -12.18 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00649 MHz | -24.96 dBm | -11.96 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.42458 MHz | -50.30 dBm | -37.30 dB |

Date: 2.AUG.2021 11:53:44

### Lowest Band Edge / Full RB

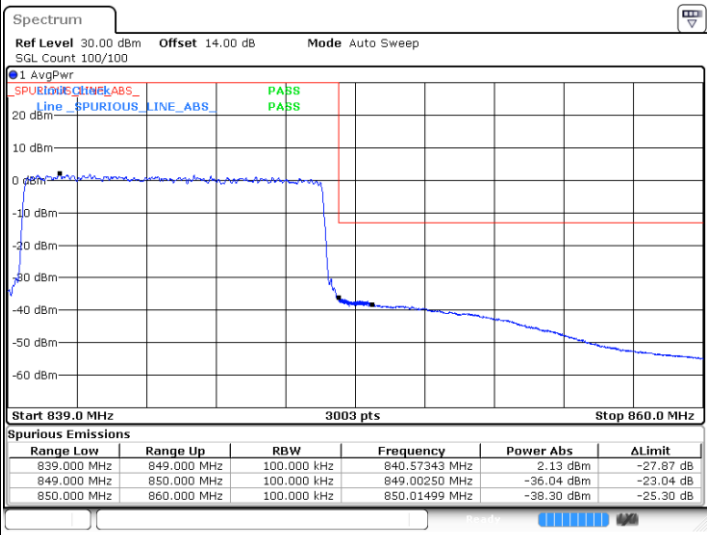



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 815.000 MHz | 823.000 MHz | 100.000 kHz | 822.97203 MHz | -39.03 dBm | -26.03 dB |
| 823.000 MHz | 824.000 MHz | 100.000 kHz | 823.99950 MHz | -35.62 dBm | -22.62 dB |
| 824.000 MHz | 834.000 MHz | 100.000 kHz | 830.97802 MHz | 1.40 dBm | -28.60 dB |

Date: 2.AUG.2021 11:49:22

### Highest Band Edge / Full RB




Spurious Emissions

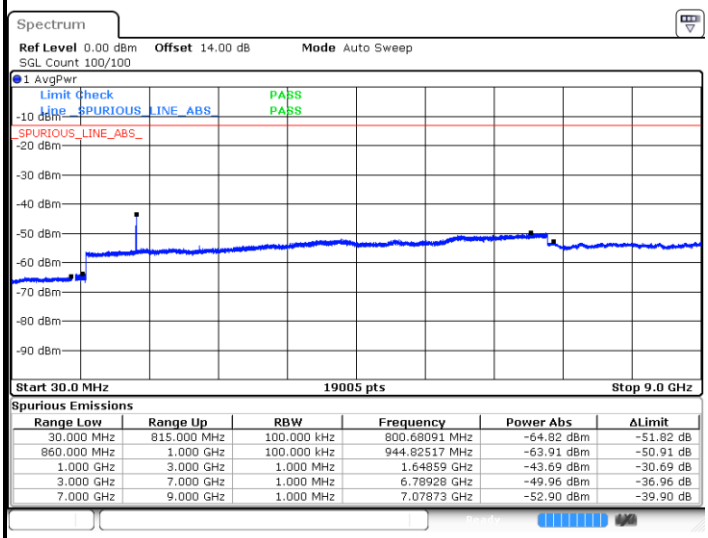
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 839.000 MHz | 849.000 MHz | 100.000 kHz | 840.57343 MHz | 2.13 dBm | -27.87 dB |
| 849.000 MHz | 850.000 MHz | 100.000 kHz | 849.00250 MHz | -36.04 dBm | -23.04 dB |
| 850.000 MHz | 860.000 MHz | 100.000 kHz | 850.01499 MHz | -38.30 dBm | -25.30 dB |

Date: 2.AUG.2021 11:55:22

# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

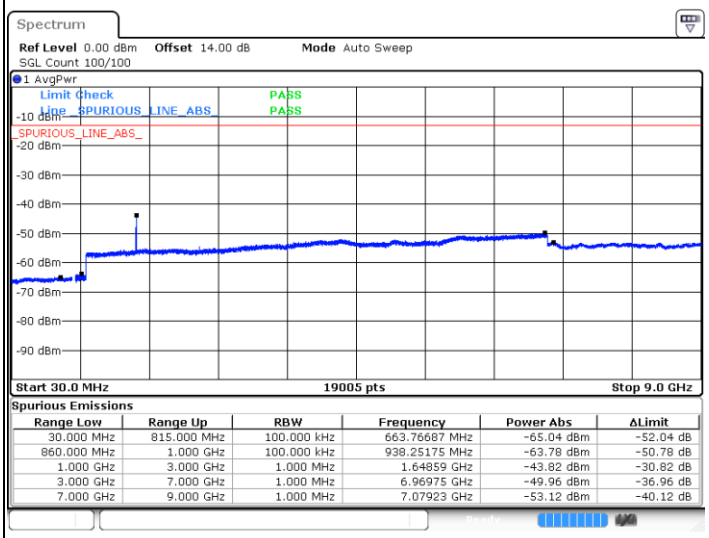



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 800.68091 MHz | -64.82 dBm | -51.82 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 944.82517 MHz | -63.91 dBm | -50.91 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -43.69 dBm | -30.69 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.78928 GHz | -49.96 dBm | -36.96 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07873 GHz | -52.90 dBm | -39.90 dB |

Date: 2.AUG.2021 09:56:57

### Lowest Channel / 16QAM

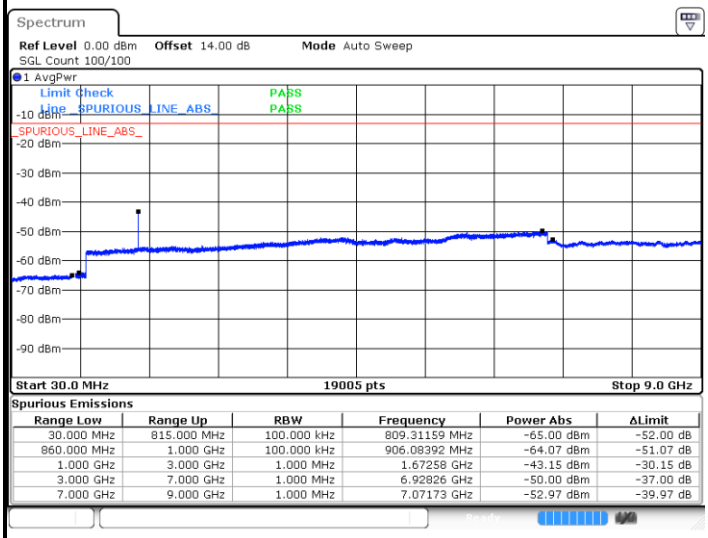



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 663.76687 MHz | -65.04 dBm | -52.04 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 938.25175 MHz | -63.78 dBm | -50.78 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -43.82 dBm | -30.82 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96975 GHz | -49.96 dBm | -36.96 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07923 GHz | -53.12 dBm | -40.12 dB |

Date: 2.AUG.2021 09:57:56

### Middle Channel / QPSK

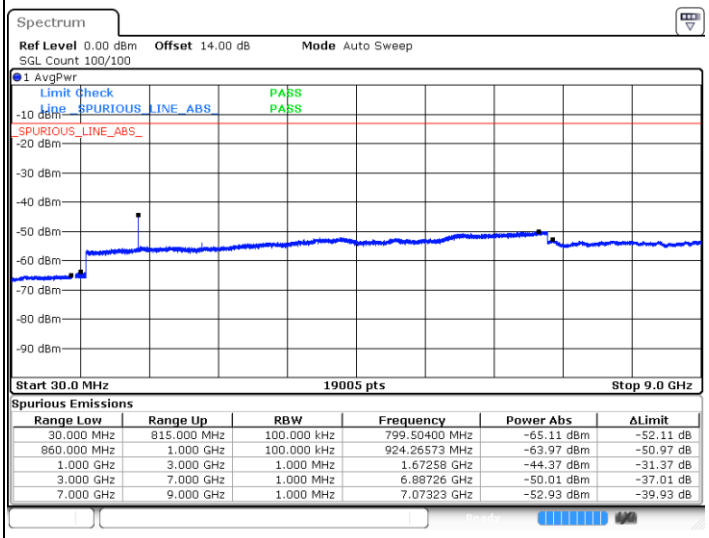



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 809.31159 MHz | -65.00 dBm | -52.00 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 906.08392 MHz | -64.07 dBm | -51.07 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67258 GHz | -43.15 dBm | -30.15 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92826 GHz | -50.00 dBm | -37.00 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07173 GHz | -52.97 dBm | -39.97 dB |

Date: 2.AUG.2021 09:59:39

### Middle Channel / 16QAM



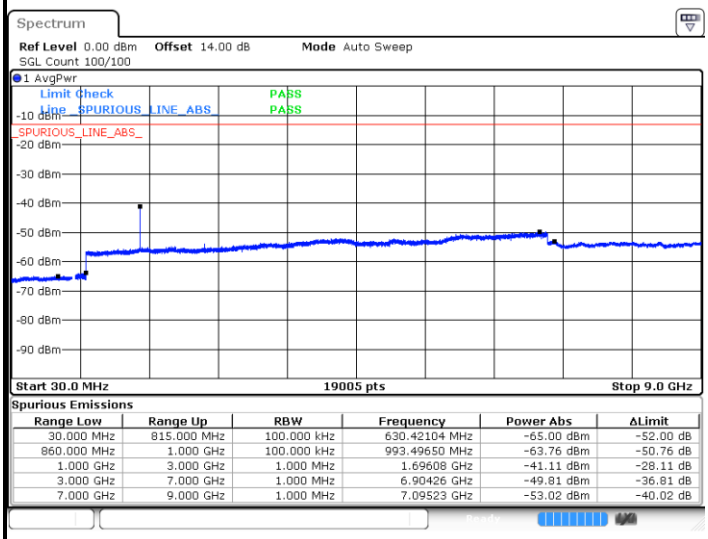

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 799.50400 MHz | -65.11 dBm | -52.11 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 924.26573 MHz | -63.97 dBm | -50.97 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67258 GHz | -44.37 dBm | -31.37 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88726 GHz | -50.01 dBm | -37.01 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07323 GHz | -52.93 dBm | -39.93 dB |

Date: 2.AUG.2021 10:00:38

## LTE Band 5 / 1.4MHz

### Highest Channel / QPSK

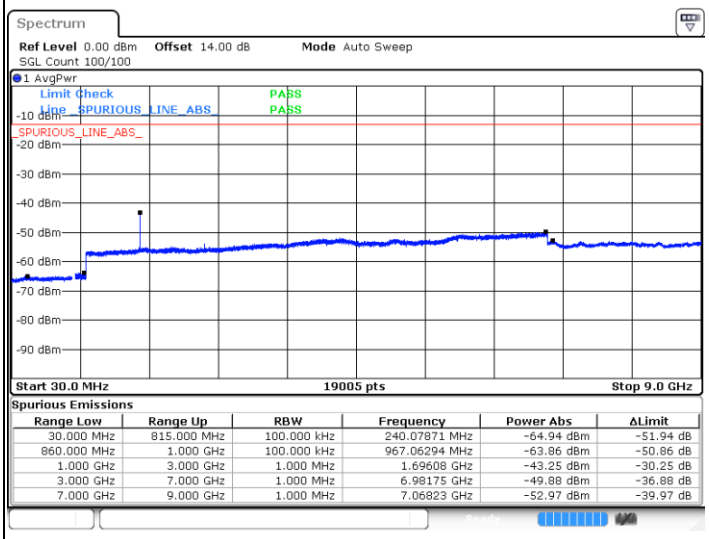



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 630.42104 MHz | -65.00 dBm | -52.00 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 993.49650 MHz | -63.76 dBm | -50.76 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69608 GHz | -41.11 dBm | -28.11 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.90426 GHz | -49.81 dBm | -36.81 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.09523 GHz | -53.02 dBm | -40.02 dB |

Date: 2.AUG.2021 10:08:56

### Highest Channel / 16QAM



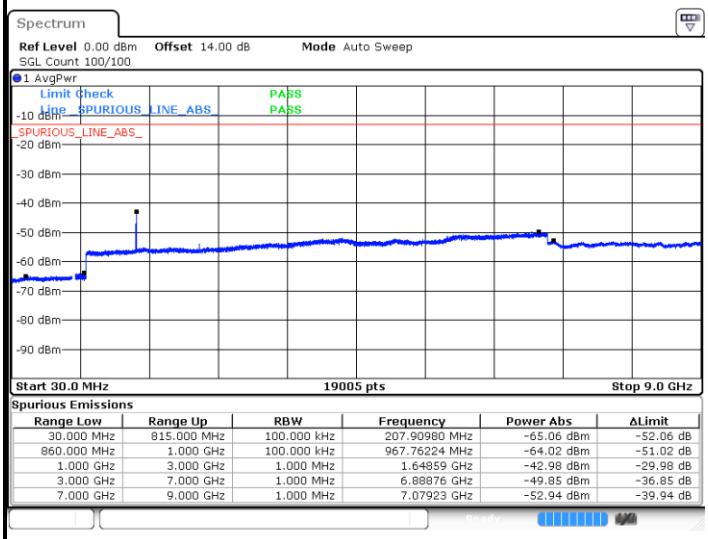

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 240.07871 MHz | -64.94 dBm | -51.94 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 967.06294 MHz | -63.86 dBm | -50.86 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69608 GHz | -43.25 dBm | -30.25 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98175 GHz | -49.88 dBm | -36.88 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.06823 GHz | -52.97 dBm | -39.97 dB |

Date: 2.AUG.2021 10:09:55

## LTE Band 5 / 3MHz

### Lowest Channel / QPSK

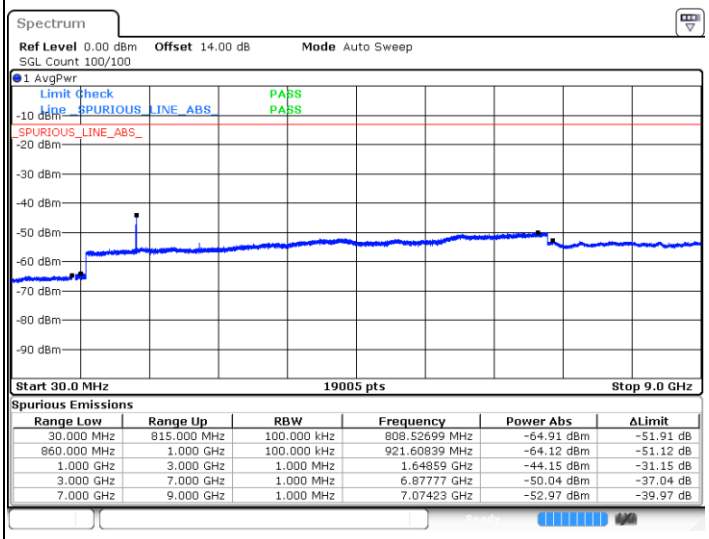



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 207.90980 MHz | -65.06 dBm | -52.06 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 967.76224 MHz | -64.02 dBm | -51.02 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -42.98 dBm | -29.98 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88876 GHz | -49.85 dBm | -36.85 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07923 GHz | -52.94 dBm | -39.94 dB |

Date: 2.AUG.2021 10:28:53

### Lowest Channel / 16QAM



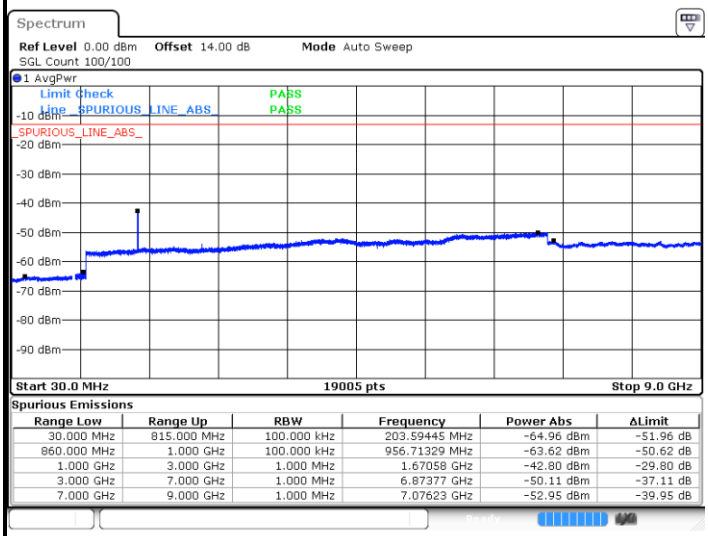

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 808.52699 MHz | -64.91 dBm | -51.91 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 921.60839 MHz | -64.12 dBm | -51.12 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -44.15 dBm | -31.15 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87777 GHz | -50.04 dBm | -37.04 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07423 GHz | -52.97 dBm | -39.97 dB |

Date: 2.AUG.2021 10:29:52

## LTE Band 5 / 3MHz

### Middle Channel / QPSK

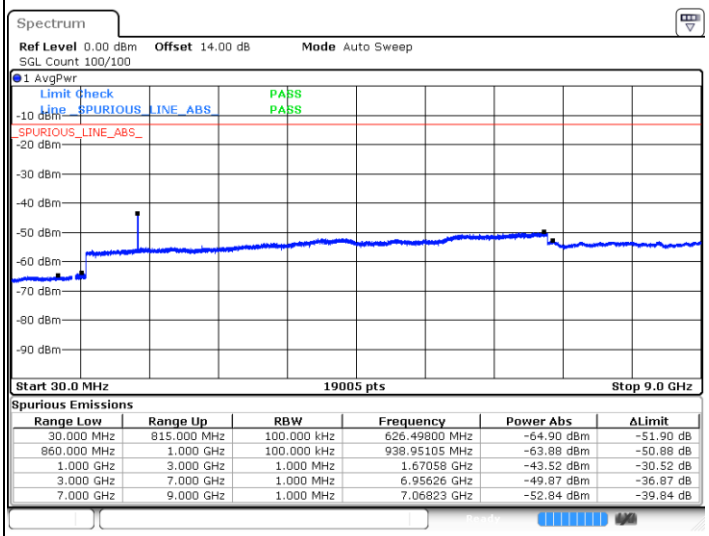



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 203.59445 MHz | -64.96 dBm | -51.96 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 956.71329 MHz | -63.62 dBm | -50.62 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67058 GHz | -42.80 dBm | -29.80 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87377 GHz | -50.11 dBm | -37.11 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07623 GHz | -52.95 dBm | -39.95 dB |

Date: 2.AUG.2021 10:31:35

### Middle Channel / 16QAM

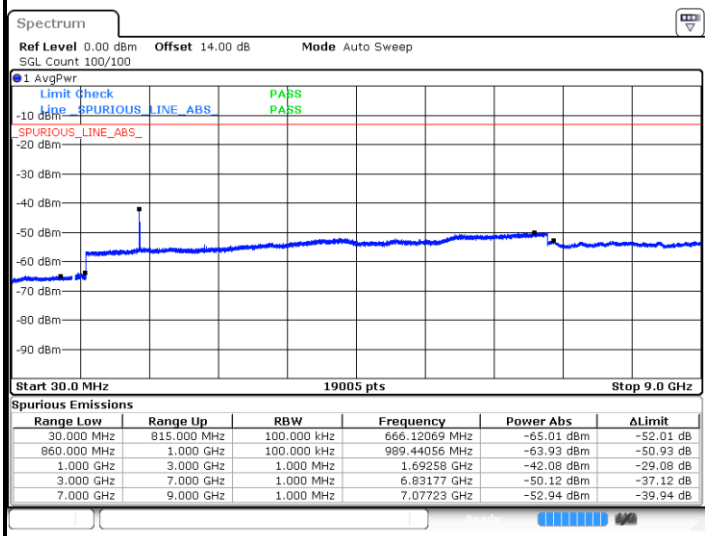



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 626.49800 MHz | -64.90 dBm | -51.90 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 938.95105 MHz | -63.88 dBm | -50.88 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67058 GHz | -43.52 dBm | -30.52 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95626 GHz | -49.87 dBm | -36.87 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.06823 GHz | -52.84 dBm | -39.84 dB |

Date: 2.AUG.2021 10:32:34

### Highest Channel / QPSK

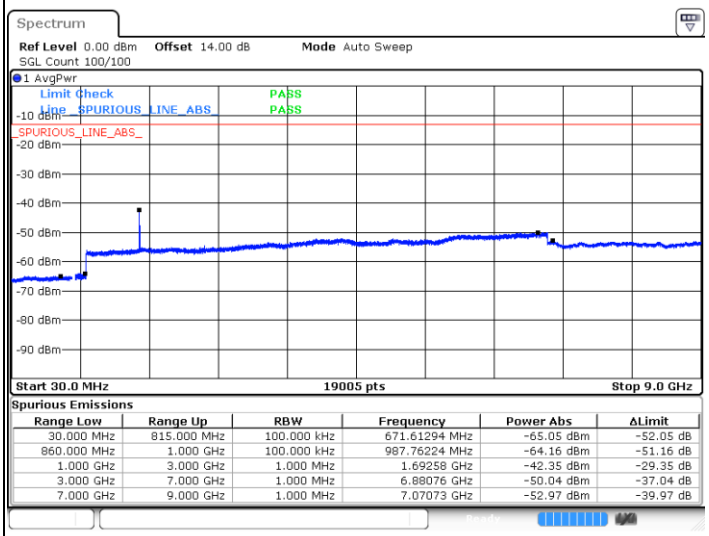



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 666.12069 MHz | -65.01 dBm | -52.01 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 989.44056 MHz | -63.93 dBm | -50.93 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69258 GHz | -42.08 dBm | -29.08 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.83177 GHz | -50.12 dBm | -37.12 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07723 GHz | -52.94 dBm | -39.94 dB |

Date: 2.AUG.2021 10:40:53

### Highest Channel / 16QAM



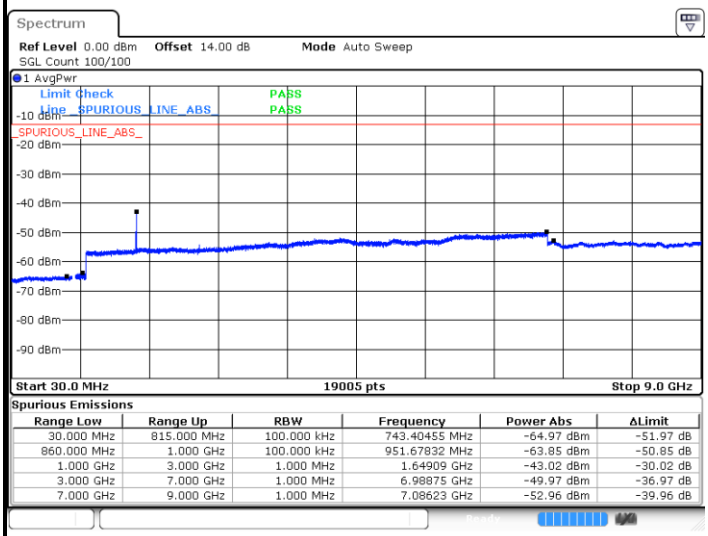

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 671.61294 MHz | -65.05 dBm | -52.05 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 987.76224 MHz | -64.16 dBm | -51.16 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69258 GHz | -42.35 dBm | -29.35 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88076 GHz | -50.04 dBm | -37.04 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07073 GHz | -52.97 dBm | -39.97 dB |

Date: 2.AUG.2021 10:41:52

## LTE Band 5 / 5MHz

### Lowest Channel / QPSK

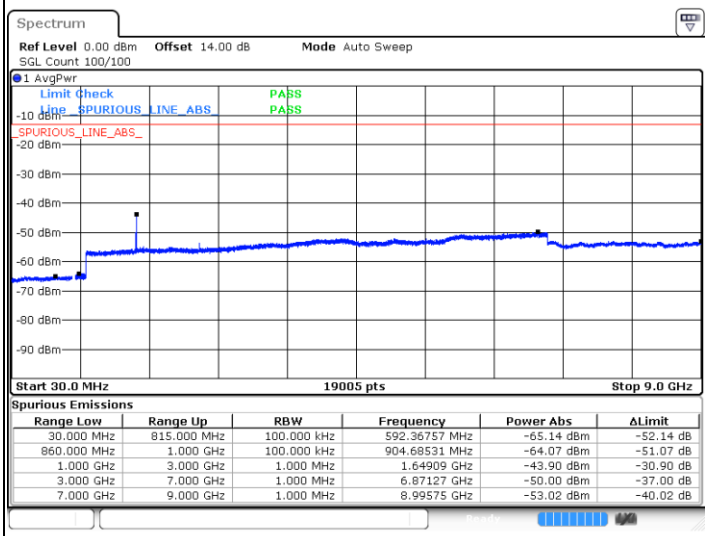



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 743.40455 MHz | -64.97 dBm | -51.97 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 951.67832 MHz | -63.85 dBm | -50.85 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64909 GHz | -43.02 dBm | -30.02 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98875 GHz | -49.97 dBm | -36.97 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08623 GHz | -52.96 dBm | -39.96 dB |

Date: 2.AUG.2021 11:00:49

### Lowest Channel / 16QAM

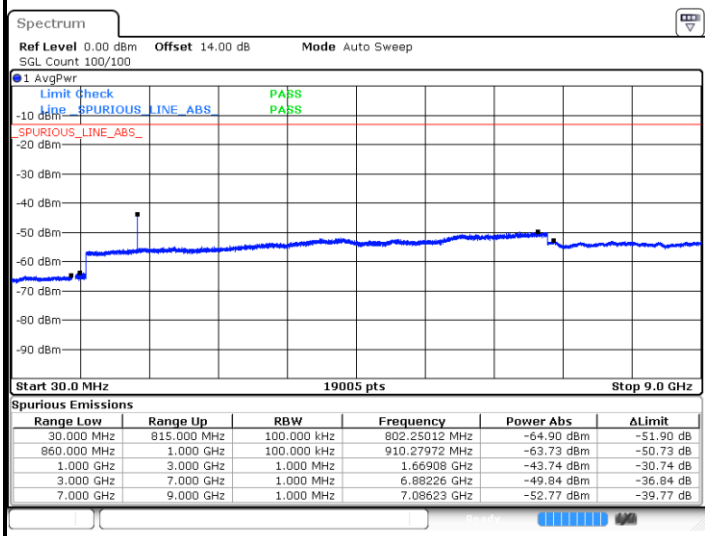



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 592.36757 MHz | -65.14 dBm | -52.14 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 904.68531 MHz | -64.07 dBm | -51.07 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64909 GHz | -43.90 dBm | -30.90 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87127 GHz | -50.00 dBm | -37.00 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.99575 GHz | -53.02 dBm | -40.02 dB |

Date: 2.AUG.2021 11:01:49

### Middle Channel / QPSK

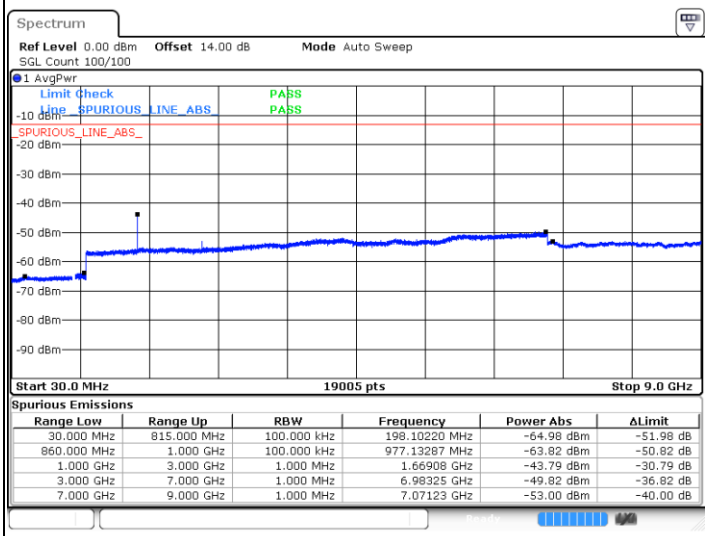



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 802.25012 MHz | -64.90 dBm | -51.90 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 910.27972 MHz | -63.73 dBm | -50.73 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66908 GHz | -43.74 dBm | -30.74 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88226 GHz | -49.84 dBm | -36.84 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08623 GHz | -52.77 dBm | -39.77 dB |

Date: 2.AUG.2021 11:03:31

### Middle Channel / 16QAM



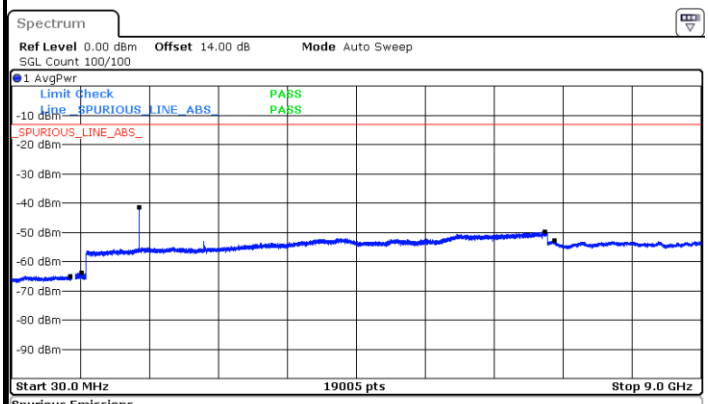

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 198.10220 MHz | -64.98 dBm | -51.98 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 977.13287 MHz | -63.82 dBm | -50.82 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66908 GHz | -43.79 dBm | -30.79 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98325 GHz | -49.82 dBm | -36.82 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07123 GHz | -53.00 dBm | -40.00 dB |

Date: 2.AUG.2021 11:04:31

## LTE Band 5 / 5MHz

### Highest Channel / QPSK

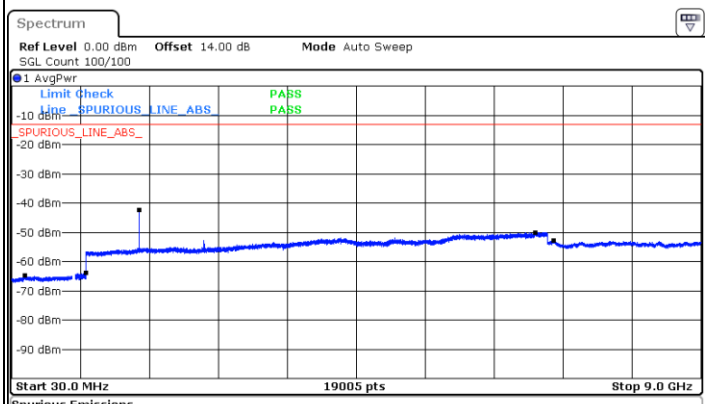



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 790.48101 MHz | -65.07 dBm | -52.07 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 936.43357 MHz | -63.79 dBm | -50.79 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.68908 GHz | -41.61 dBm | -28.61 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96975 GHz | -49.92 dBm | -36.92 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.09373 GHz | -52.92 dBm | -39.92 dB |

Date: 2.AUG.2021 11:12:49

### Highest Channel / 16QAM



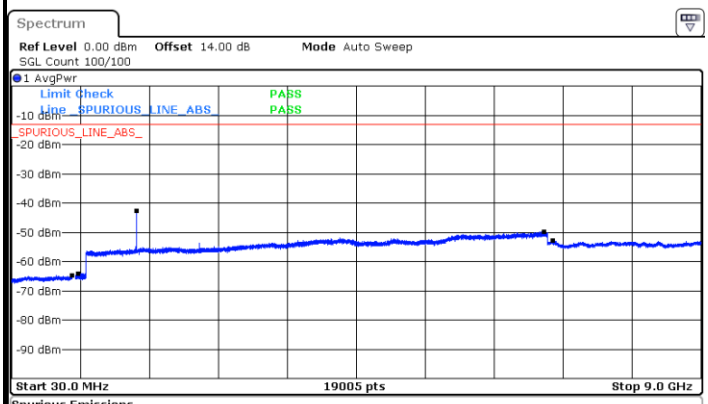

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 204.37906 MHz | -64.74 dBm | -51.74 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 998.11189 MHz | -63.95 dBm | -50.95 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.68908 GHz | -42.50 dBm | -29.50 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.83727 GHz | -50.04 dBm | -37.04 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07823 GHz | -52.94 dBm | -39.94 dB |

Date: 2.AUG.2021 11:13:48

## LTE Band 5 / 10MHz

### Lowest Channel / QPSK

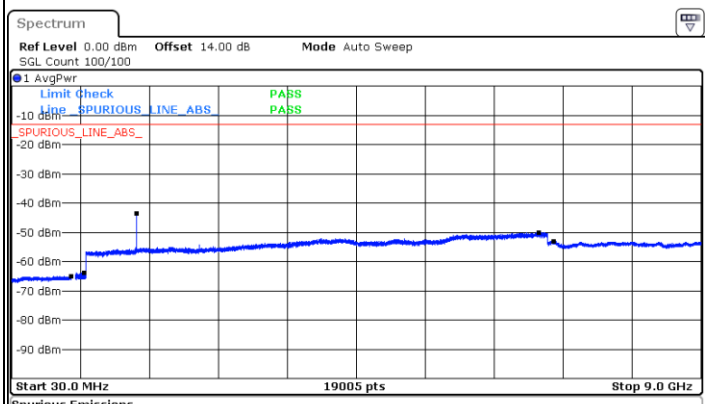



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -64.88 dBm | -51.88 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 898.67133 MHz | -64.04 dBm | -51.04 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64959 GHz | -42.62 dBm | -29.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95476 GHz | -49.76 dBm | -36.76 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07423 GHz | -52.78 dBm | -39.78 dB |

Date: 2.AUG.2021 11:31:45

### Lowest Channel / 16QAM



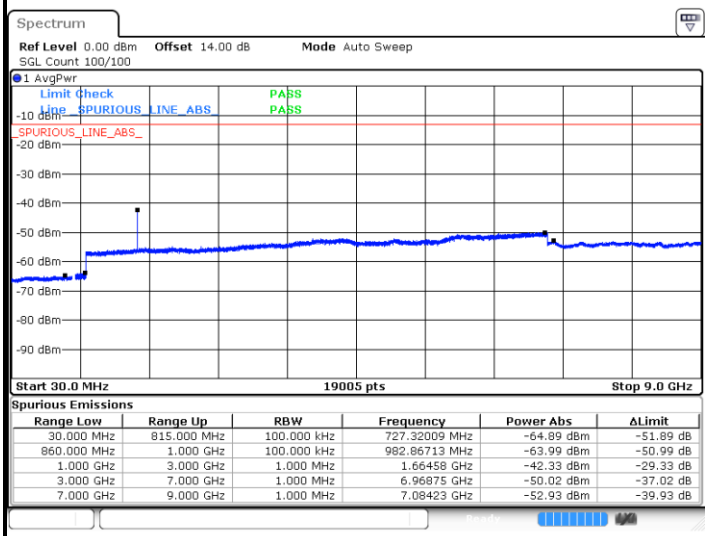

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 807.35007 MHz | -65.02 dBm | -52.02 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 968.18182 MHz | -63.77 dBm | -50.77 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64959 GHz | -43.69 dBm | -30.69 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88276 GHz | -50.03 dBm | -37.03 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08423 GHz | -53.06 dBm | -40.06 dB |

Date: 2.AUG.2021 11:32:45

## LTE Band 5 / 10MHz

### Middle Channel / QPSK

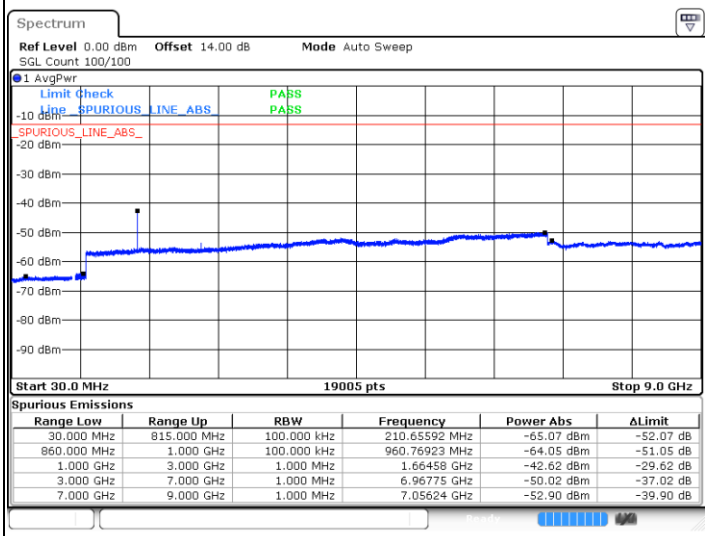



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 727.32009 MHz | -64.89 dBm | -51.89 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 982.86713 MHz | -63.99 dBm | -50.99 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -42.33 dBm | -29.33 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96875 GHz | -50.02 dBm | -37.02 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08423 GHz | -52.93 dBm | -39.93 dB |

Date: 2.AUG.2021 11:34:27

### Middle Channel / 16QAM

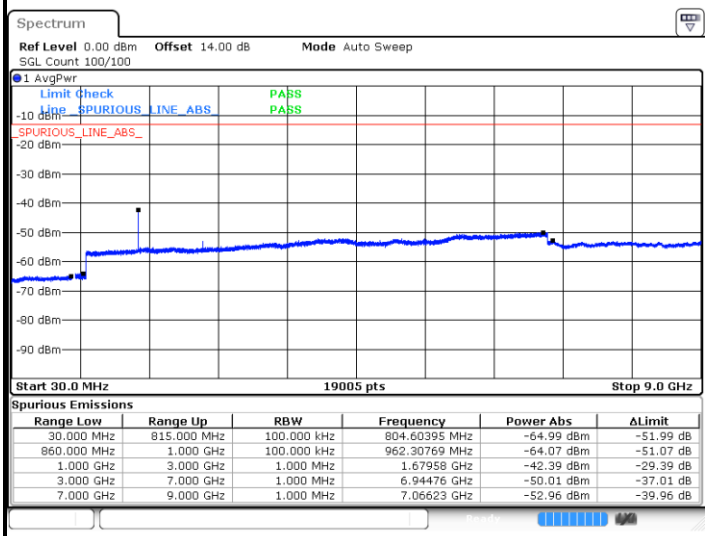



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 210.65592 MHz | -65.07 dBm | -52.07 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 960.76923 MHz | -64.05 dBm | -51.05 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -42.62 dBm | -29.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96775 GHz | -50.02 dBm | -37.02 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.05624 GHz | -52.90 dBm | -39.90 dB |

Date: 2.AUG.2021 11:35:27

### Highest Channel / QPSK

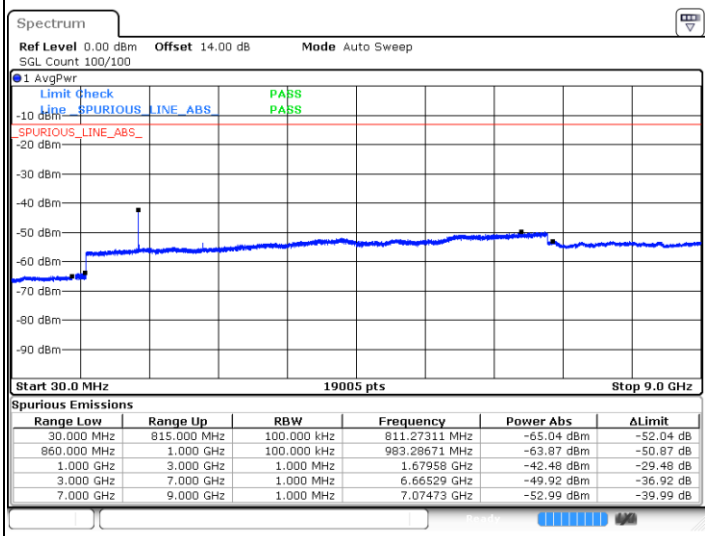



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 804.60395 MHz | -64.99 dBm | -51.99 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 962.30769 MHz | -64.07 dBm | -51.07 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -42.39 dBm | -29.39 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94476 GHz | -50.01 dBm | -37.01 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.06623 GHz | -52.96 dBm | -39.96 dB |

Date: 2.AUG.2021 11:43:45

### Highest Channel / 16QAM



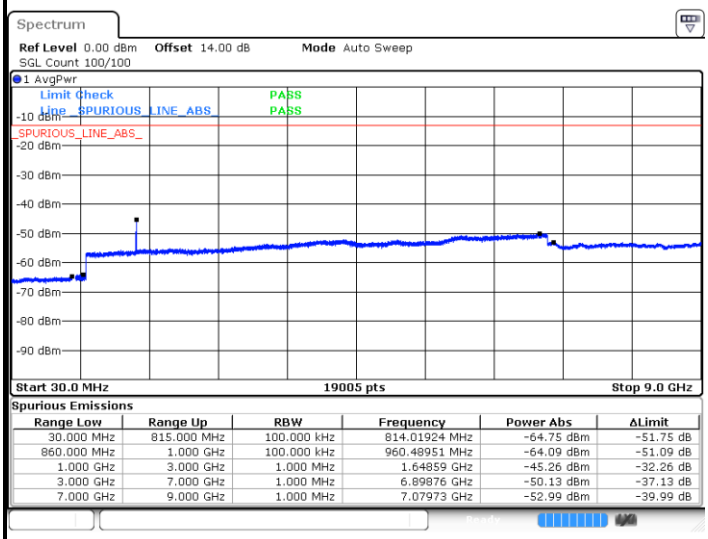

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 811.27311 MHz | -65.04 dBm | -52.04 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 983.28671 MHz | -63.87 dBm | -50.87 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -42.48 dBm | -29.48 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.66529 GHz | -49.92 dBm | -36.92 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07473 GHz | -52.99 dBm | -39.99 dB |

Date: 2.AUG.2021 11:44:44

## LTE Band 5 / 1.4MHz

### Lowest Channel / 64QAM

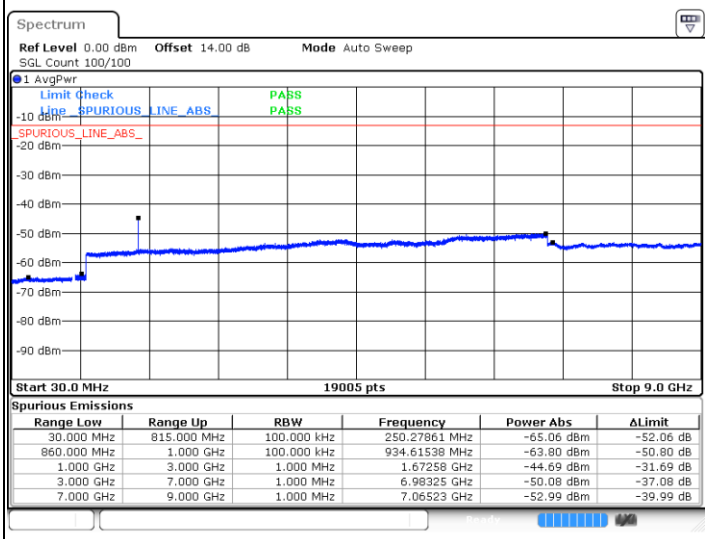



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.01924 MHz | -64.75 dBm | -51.75 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 960.48951 MHz | -64.09 dBm | -51.09 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -45.26 dBm | -32.26 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.89876 GHz | -50.13 dBm | -37.13 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07973 GHz | -52.99 dBm | -39.99 dB |

Date: 2.AUG.2021 10:14:35

### Middle Channel / 64QAM

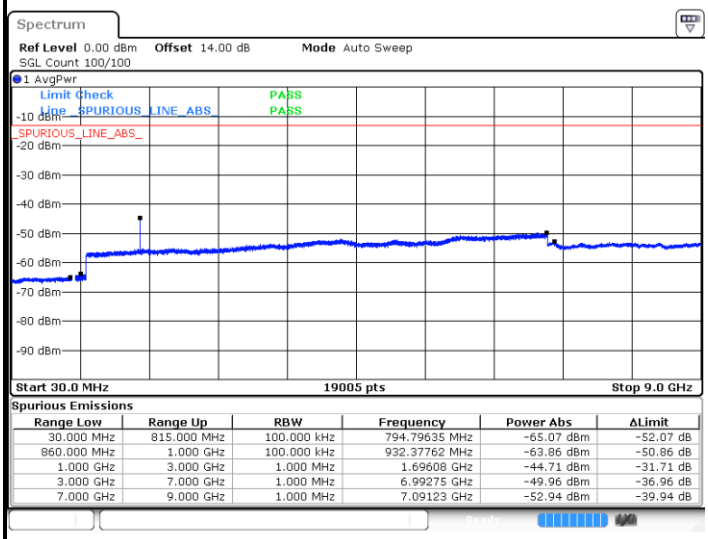



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 250.27861 MHz | -65.06 dBm | -52.06 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 934.61538 MHz | -63.80 dBm | -50.80 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67258 GHz | -44.69 dBm | -31.69 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98325 GHz | -50.08 dBm | -37.08 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.06523 GHz | -52.99 dBm | -39.99 dB |

Date: 2.AUG.2021 10:15:56

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 794.79635 MHz | -65.07 dBm | -52.07 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 932.37762 MHz | -63.86 dBm | -50.86 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69608 GHz | -44.71 dBm | -31.71 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99275 GHz | -49.96 dBm | -36.96 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.09123 GHz | -52.94 dBm | -39.94 dB |

Date: 2.AUG.2021 10:20:35

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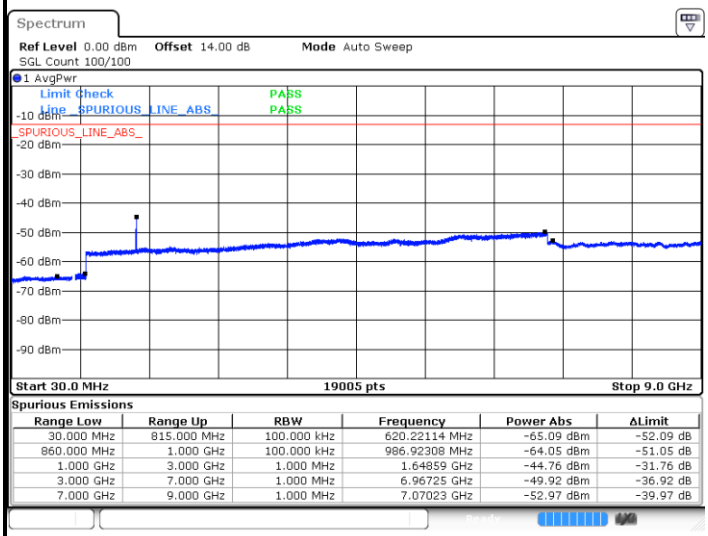
## LTE Band 5 / 3MHz

### Lowest Channel / 64QAM

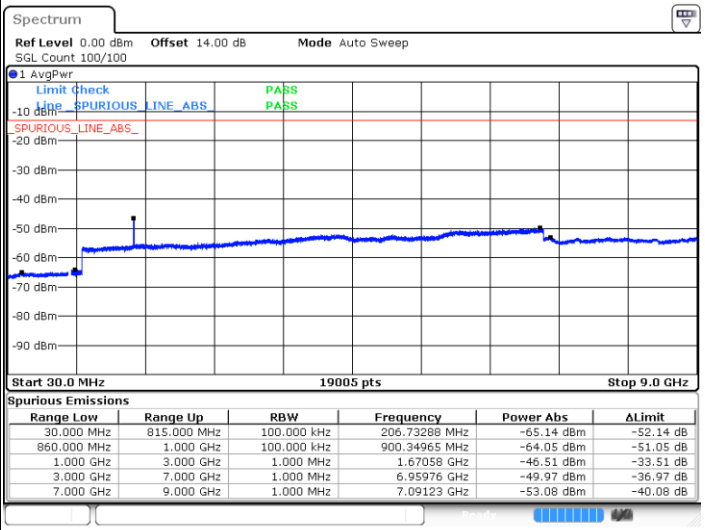



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 620.22114 MHz | -65.09 dBm | -52.09 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 986.92308 MHz | -64.05 dBm | -51.05 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -44.76 dBm | -31.76 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96725 GHz | -49.92 dBm | -36.92 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07023 GHz | -52.97 dBm | -39.97 dB |

Date: 2.AUG.2021 10:46:31

### Middle Channel / 64QAM

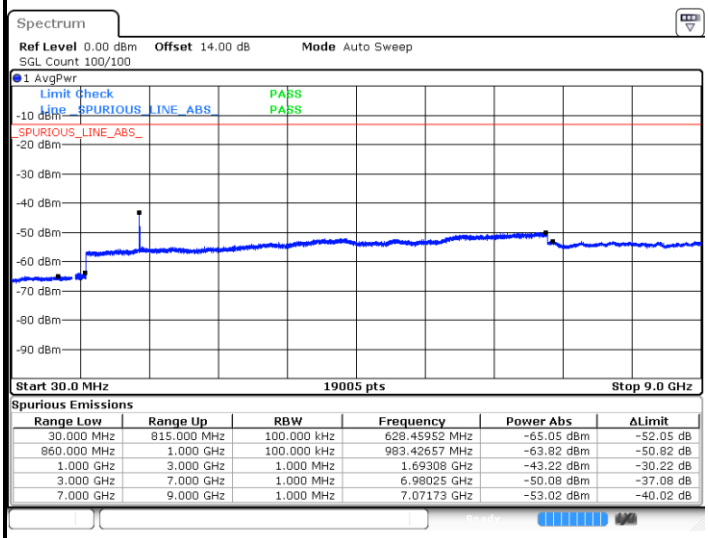



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 206.73288 MHz | -65.14 dBm | -52.14 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 900.34965 MHz | -64.05 dBm | -51.05 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67058 GHz | -46.51 dBm | -33.51 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95976 GHz | -49.97 dBm | -36.97 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.09123 GHz | -53.08 dBm | -40.08 dB |

Date: 2.AUG.2021 10:47:52

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 628.45952 MHz | -65.05 dBm | -52.05 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 983.42657 MHz | -63.82 dBm | -50.82 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69308 GHz | -43.22 dBm | -30.22 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98025 GHz | -50.08 dBm | -37.08 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07173 GHz | -53.02 dBm | -40.02 dB |

Date: 2.AUG.2021 10:52:31

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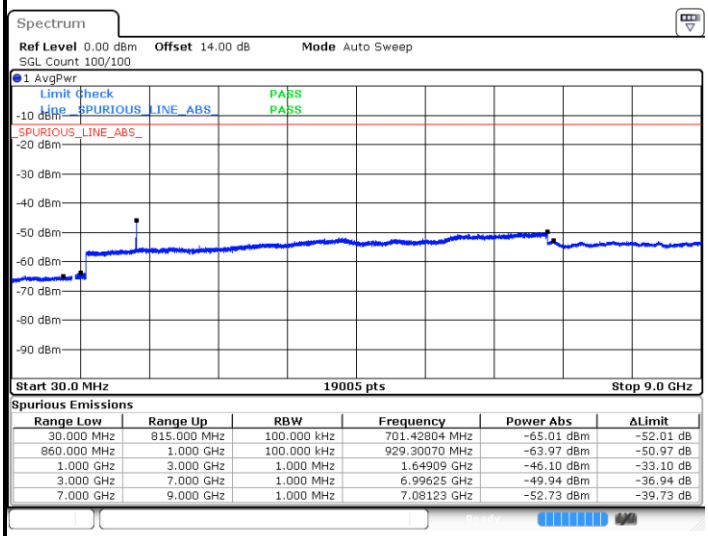
## LTE Band 5 / 5MHz

### Lowest Channel / 64QAM

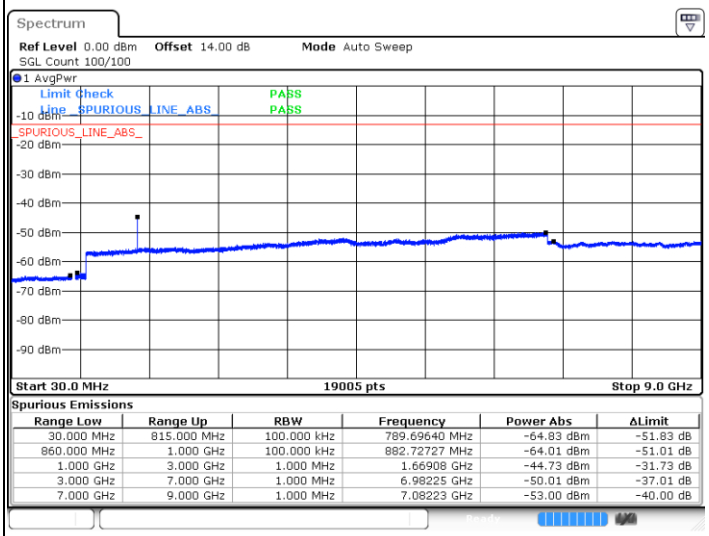



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 701.42804 MHz | -65.01 dBm | -52.01 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 929.30070 MHz | -63.97 dBm | -50.97 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64909 GHz | -46.10 dBm | -33.10 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99625 GHz | -49.94 dBm | -36.94 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08123 GHz | -52.73 dBm | -39.73 dB |

Date: 2.AUG.2021 11:18:27

### Middle Channel / 64QAM

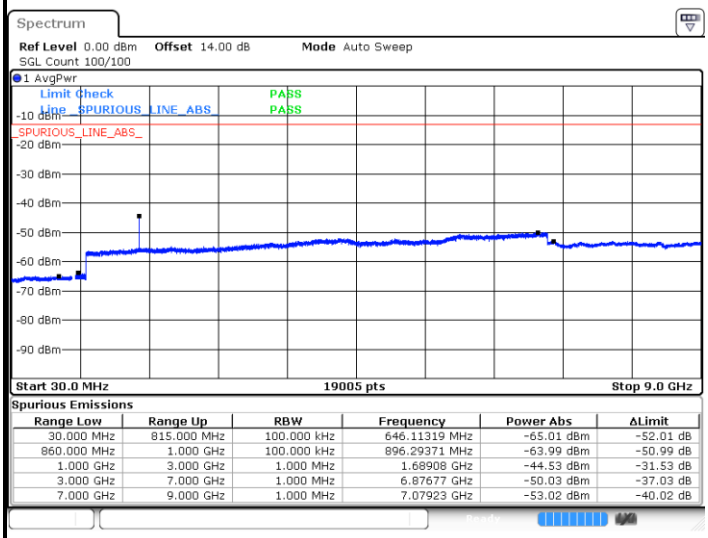



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 789.69640 MHz | -64.83 dBm | -51.83 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 882.72727 MHz | -64.01 dBm | -51.01 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66908 GHz | -44.73 dBm | -31.73 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98225 GHz | -50.01 dBm | -37.01 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08223 GHz | -53.00 dBm | -40.00 dB |

Date: 2.AUG.2021 11:19:48

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 646.11319 MHz | -65.01 dBm | -52.01 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 896.29371 MHz | -63.99 dBm | -50.99 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.68908 GHz | -44.53 dBm | -31.53 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87677 GHz | -50.03 dBm | -37.03 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07923 GHz | -53.02 dBm | -40.02 dB |

Date: 2.AUG.2021 11:45:43

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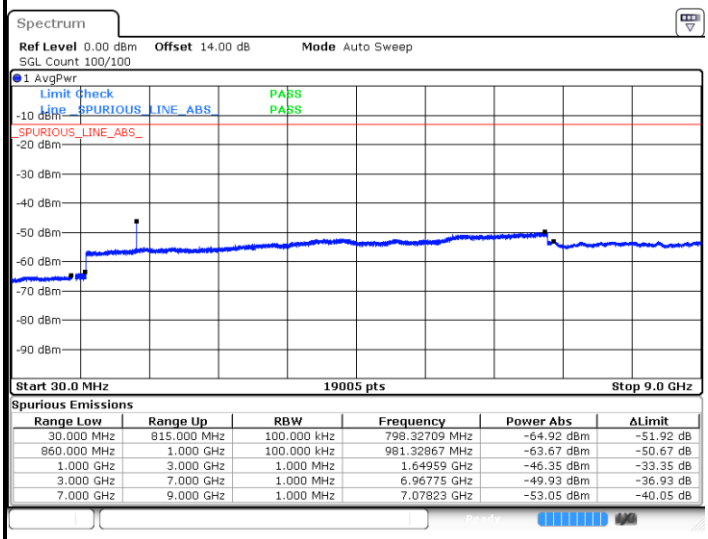
## LTE Band 5 / 10MHz

### Lowest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 798.32709 MHz | -64.92 dBm | -51.92 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 981.32867 MHz | -63.67 dBm | -50.67 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64959 GHz | -46.35 dBm | -33.35 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96775 GHz | -49.93 dBm | -36.93 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.07823 GHz | -53.05 dBm | -40.05 dB |

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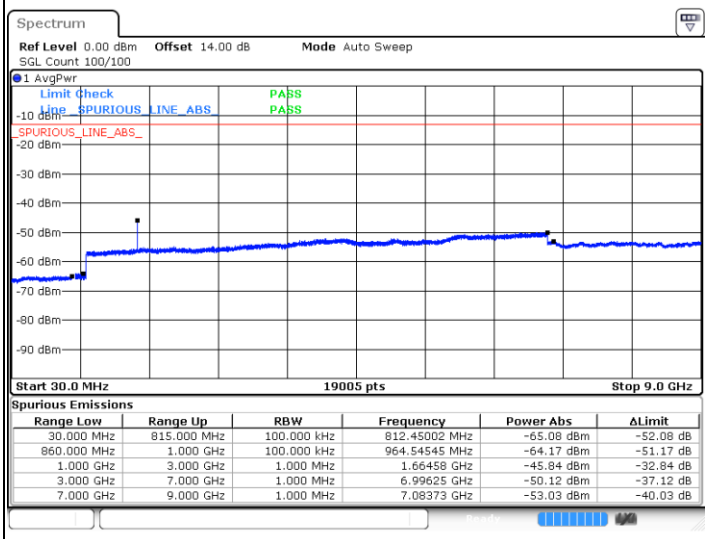
### Middle Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 812.45002 MHz | -65.08 dBm | -52.08 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 964.54545 MHz | -64.17 dBm | -51.17 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -45.84 dBm | -32.84 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99625 GHz | -50.12 dBm | -37.12 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.08373 GHz | -53.03 dBm | -40.03 dB |

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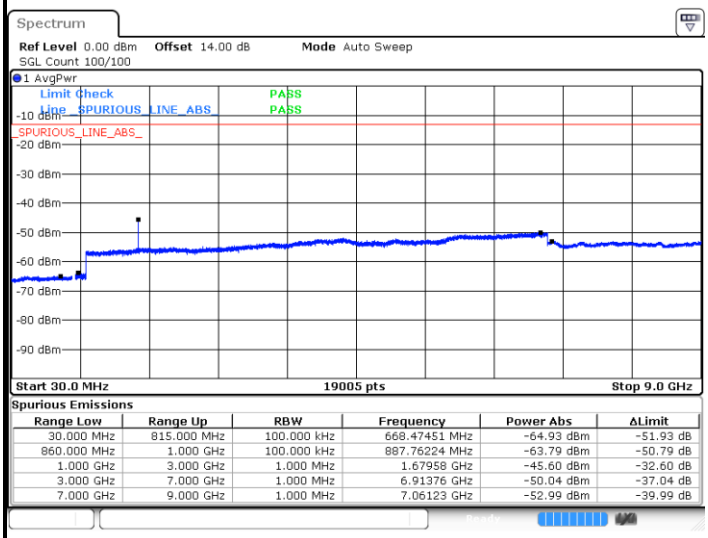
### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 668.47451 MHz | -64.93 dBm | -51.93 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 887.76224 MHz | -63.79 dBm | -50.79 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -45.60 dBm | -32.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.91376 GHz | -50.04 dBm | -37.04 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.06123 GHz | -52.99 dBm | -39.99 dB |

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# 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 | 0.0007 | PASS |
| 40 | Normal Voltage | 0.0025 | |
| 30 | Normal Voltage | 0.0014 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0010 | |
| 0 | Normal Voltage | 0.0017 | |
| -10 | Normal Voltage | 0.0027 | |
| -20 | Normal Voltage | 0.0011 | |
| -30 | Normal Voltage | 0.0005 | |
| 20 | Maximum Voltage | 0.0010 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0002 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.65 V.；Maximum Voltage =4.4 V.
2. Note: 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 | 4.55 | 5.28 | 6.23 | 6.20 | PASS |
| Middle CH | 4.64 | 5.25 | 6.64 | 6.12 | |
| Highest CH | 5.01 | 5.25 | 6.35 | 6.14 | |
| Mode | LTE Band 7 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.38 | 6.58 | - | - | PASS |
| Middle CH | 6.67 | 6.38 | - | - | |
| Highest CH | 6.29 | 6.38 | - | - | |