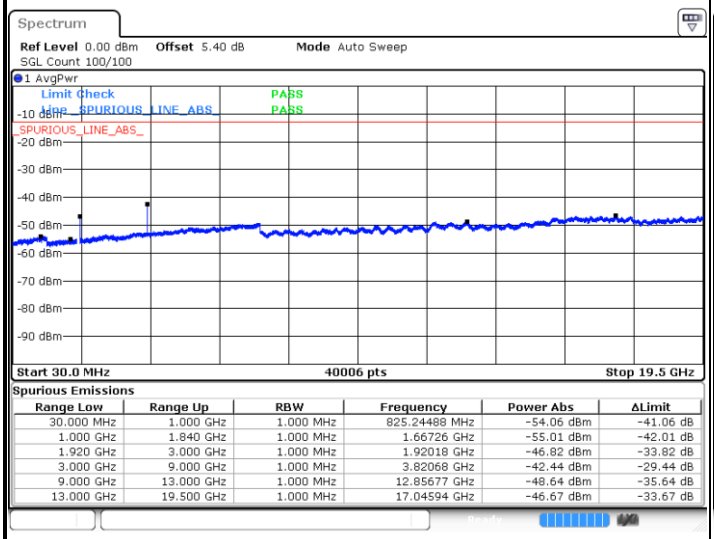
## LTE Band 25 / 5MHz

### Highest Channel / QPSK

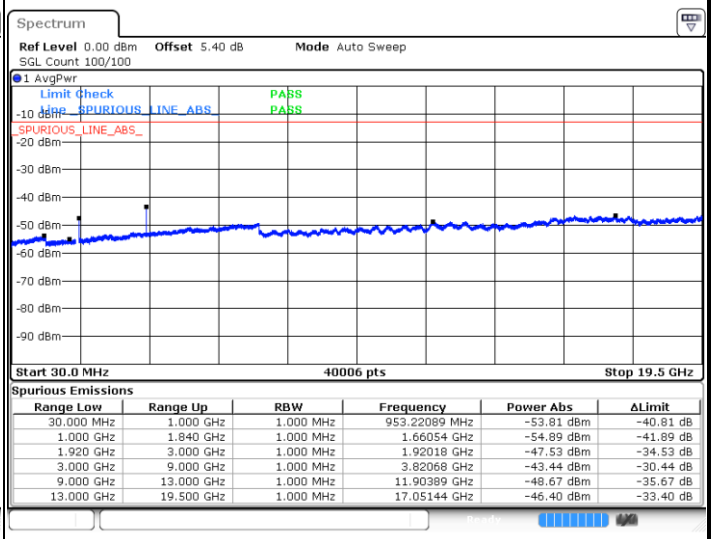



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 825.24488 MHz | -54.06 dBm | -41.06 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66726 GHz | -55.01 dBm | -42.01 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -46.82 dBm | -33.82 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.82068 GHz | -42.44 dBm | -29.44 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.85677 GHz | -48.64 dBm | -35.64 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.04594 GHz | -46.67 dBm | -33.67 dB |

Date: 12.AUG.2020 08:14:30

### Highest Channel / 16QAM



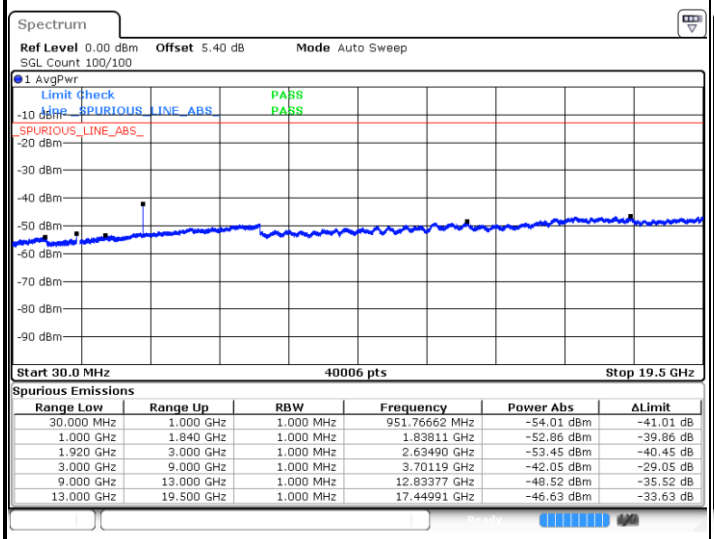

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 953.22089 MHz | -53.81 dBm | -40.81 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66054 GHz | -54.89 dBm | -41.89 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -47.53 dBm | -34.53 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.82068 GHz | -43.44 dBm | -30.44 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.90389 GHz | -48.67 dBm | -35.67 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.05144 GHz | -46.40 dBm | -33.40 dB |

Date: 12.AUG.2020 08:13:35

## LTE Band 25 / 10MHz

### Lowest Channel / QPSK

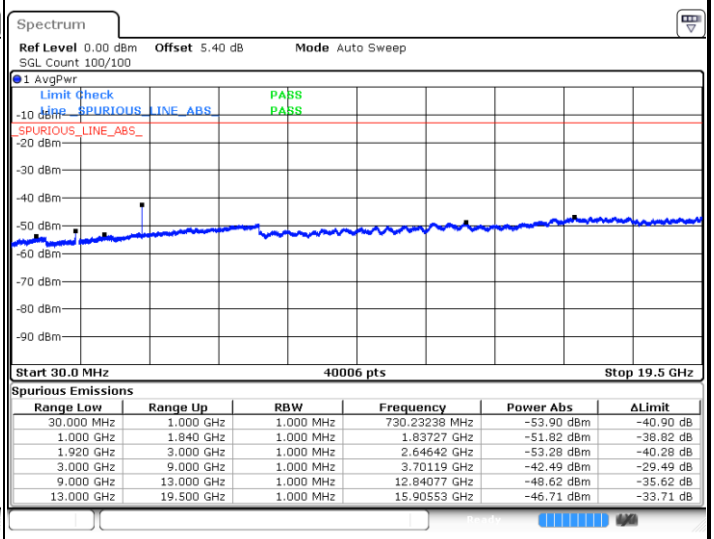



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 951.76662 MHz | -54.01 dBm | -41.01 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83811 GHz | -52.86 dBm | -39.86 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.63490 GHz | -53.45 dBm | -40.45 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70119 GHz | -42.05 dBm | -29.05 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.83377 GHz | -48.52 dBm | -35.52 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.44991 GHz | -46.63 dBm | -33.63 dB |

Date: 12.AUG.2020 08:25:00

### Lowest Channel / 16QAM



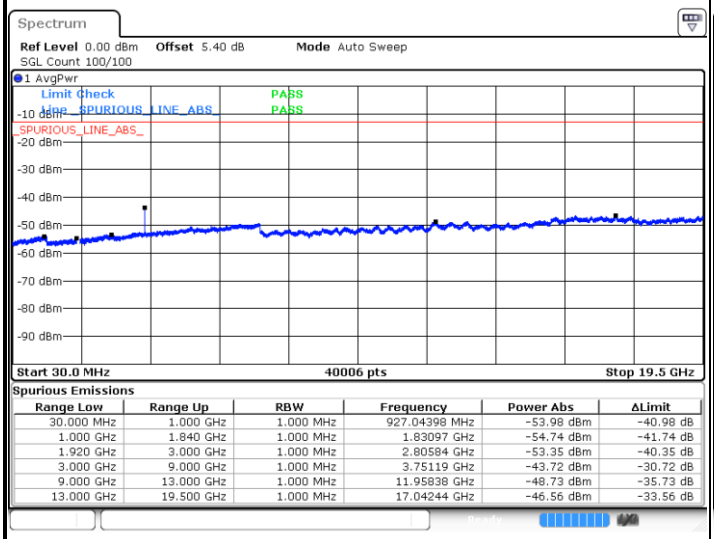

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 730.23238 MHz | -53.90 dBm | -40.90 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83727 GHz | -51.82 dBm | -38.82 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.64642 GHz | -53.28 dBm | -40.28 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70119 GHz | -42.49 dBm | -29.49 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84077 GHz | -48.62 dBm | -35.62 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.90553 GHz | -46.71 dBm | -33.71 dB |

Date: 12.AUG.2020 08:24:05

## LTE Band 25 / 10MHz

### Middle Channel / QPSK

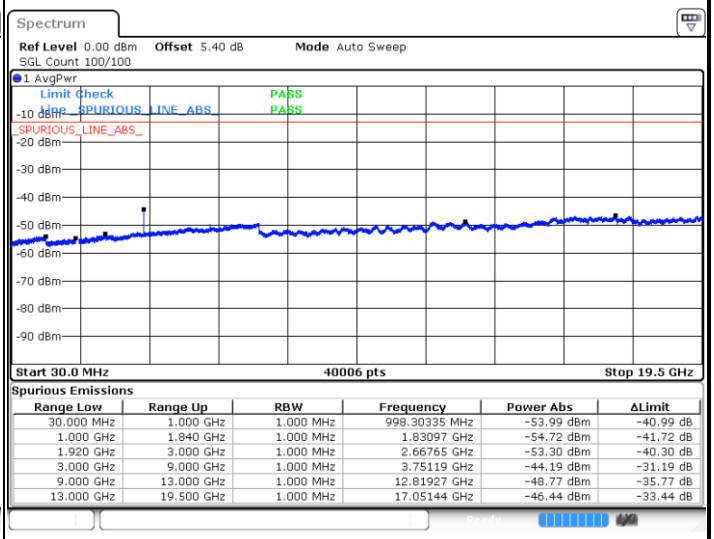



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 927.04398 MHz | -53.98 dBm | -40.98 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83097 GHz | -54.74 dBm | -41.74 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.80584 GHz | -53.35 dBm | -40.35 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75119 GHz | -43.72 dBm | -30.72 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.95838 GHz | -48.73 dBm | -35.73 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.04244 GHz | -46.56 dBm | -33.56 dB |

Date: 12.AUG.2020 08:25:55

### Middle Channel / 16QAM

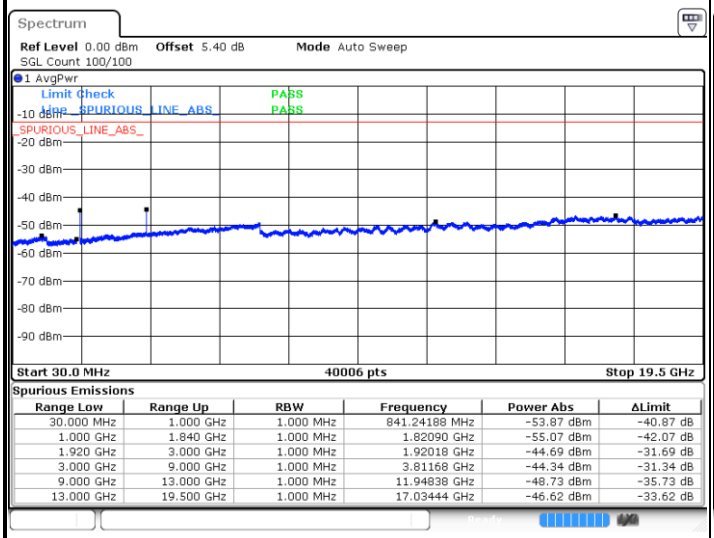



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 998.30335 MHz | -53.99 dBm | -40.99 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83097 GHz | -54.72 dBm | -41.72 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.66765 GHz | -53.30 dBm | -40.30 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75119 GHz | -44.19 dBm | -31.19 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.81927 GHz | -48.77 dBm | -35.77 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.05144 GHz | -46.44 dBm | -33.44 dB |

Date: 12.AUG.2020 08:26:50

### Highest Channel / QPSK

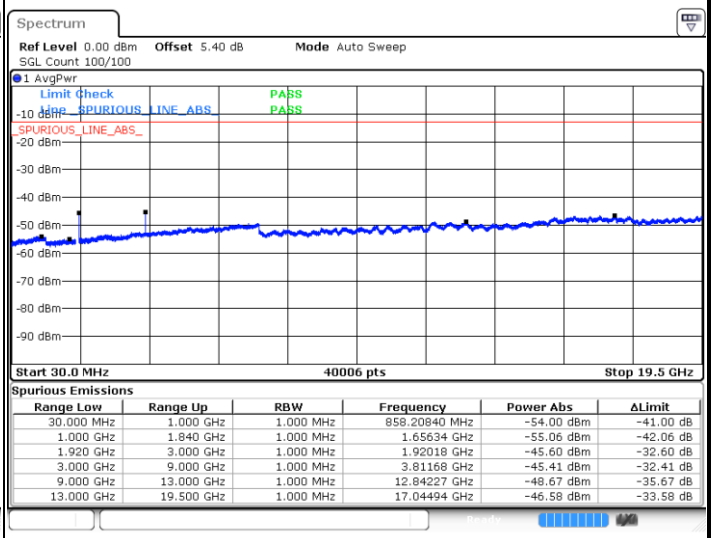



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 841.24188 MHz | -53.87 dBm | -40.87 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82090 GHz | -55.07 dBm | -42.07 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -44.69 dBm | -31.69 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81168 GHz | -44.34 dBm | -31.34 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.94838 GHz | -48.73 dBm | -35.73 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.03444 GHz | -46.62 dBm | -33.62 dB |

Date: 12.AUG.2020 08:39:16

### Highest Channel / 16QAM



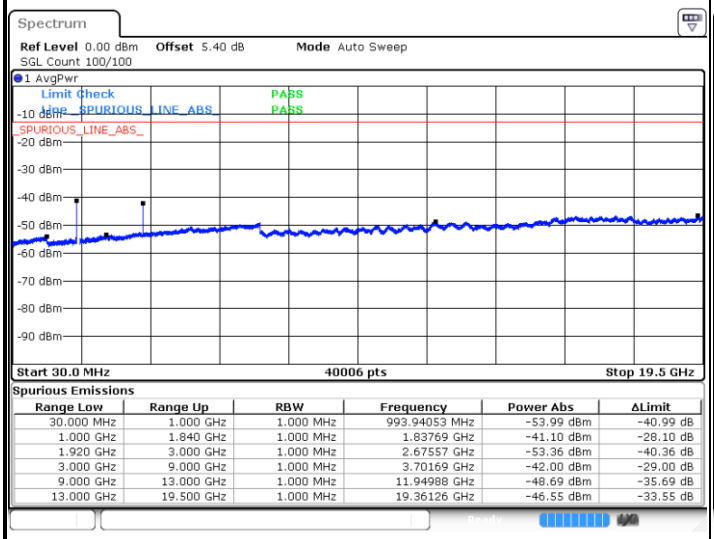

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 858.20840 MHz | -54.00 dBm | -41.00 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.65634 GHz | -55.06 dBm | -42.06 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -45.60 dBm | -32.60 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81168 GHz | -45.41 dBm | -32.41 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84227 GHz | -48.67 dBm | -35.67 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.04494 GHz | -46.58 dBm | -33.58 dB |

Date: 12.AUG.2020 08:38:22

## LTE Band 25 / 15MHz

### Lowest Channel / QPSK

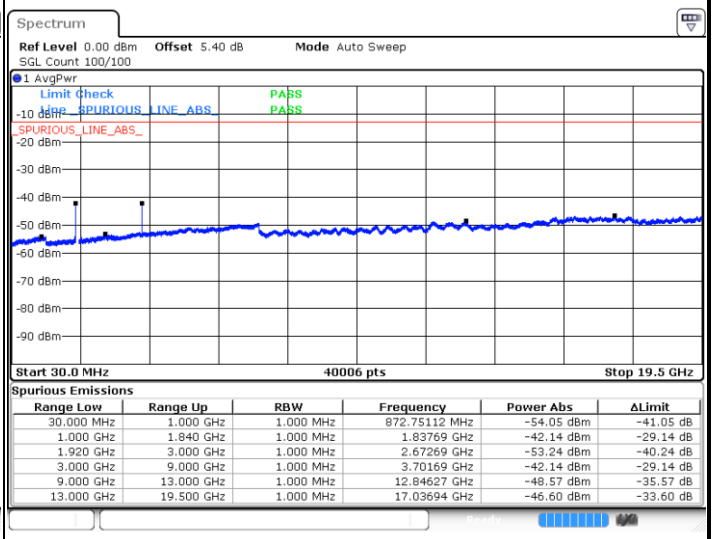



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 993.94053 MHz | -53.99 dBm | -40.99 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -41.10 dBm | -28.10 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67557 GHz | -53.36 dBm | -40.36 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70169 GHz | -42.00 dBm | -29.00 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.94988 GHz | -48.69 dBm | -35.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 19.36126 GHz | -46.55 dBm | -33.55 dB |

Date: 12.AUG.2020 08:49:47

### Lowest Channel / 16QAM

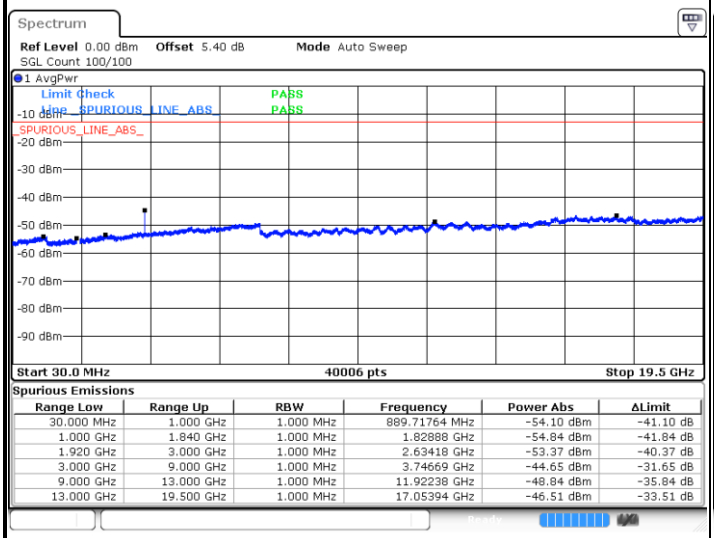



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 872.75112 MHz | -54.05 dBm | -41.05 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -42.14 dBm | -29.14 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67269 GHz | -53.24 dBm | -40.24 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70169 GHz | -42.14 dBm | -29.14 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84627 GHz | -48.57 dBm | -35.57 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.03694 GHz | -46.60 dBm | -33.60 dB |

Date: 12.AUG.2020 08:48:52

### Middle Channel / QPSK

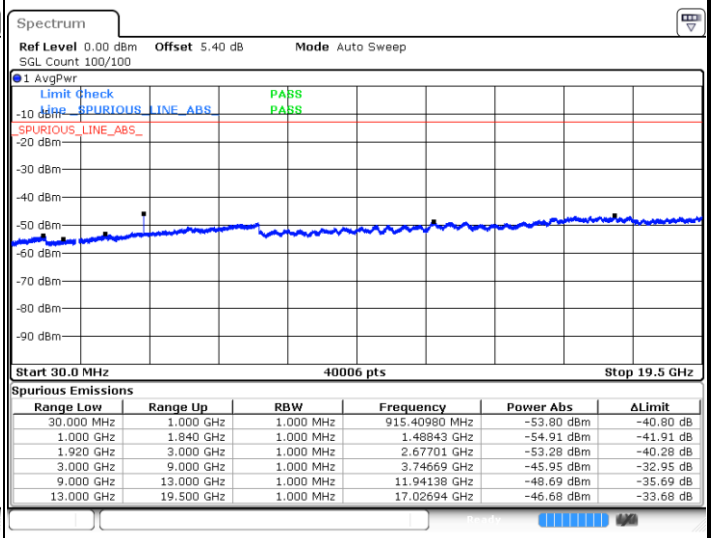



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 889.71764 MHz | -54.10 dBm | -41.10 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82888 GHz | -54.84 dBm | -41.84 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.63418 GHz | -53.37 dBm | -40.37 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74669 GHz | -44.65 dBm | -31.65 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.92238 GHz | -48.84 dBm | -35.84 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.05394 GHz | -46.51 dBm | -33.51 dB |

Date: 12.AUG.2020 08:50:42

### Middle Channel / 16QAM



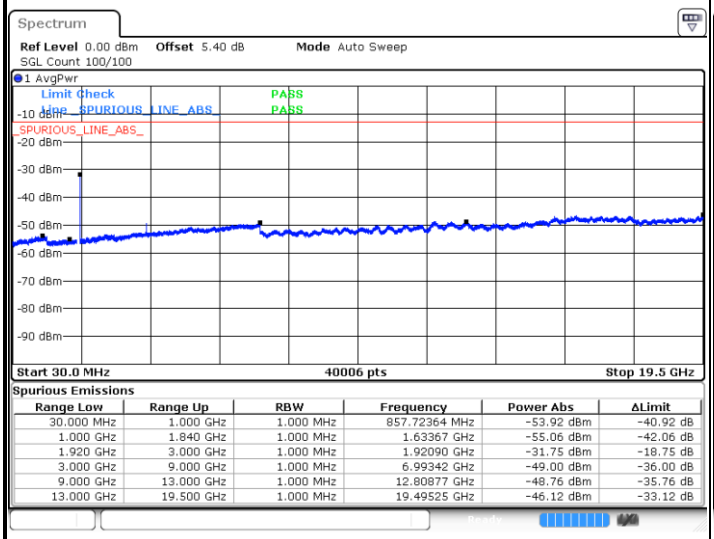

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 915.40980 MHz | -53.80 dBm | -40.80 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.48843 GHz | -54.91 dBm | -41.91 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67701 GHz | -53.28 dBm | -40.28 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74669 GHz | -45.95 dBm | -32.95 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.94138 GHz | -48.69 dBm | -35.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.02694 GHz | -46.68 dBm | -33.68 dB |

Date: 12.AUG.2020 08:51:37

## LTE Band 25 / 15MHz

### Highest Channel / QPSK

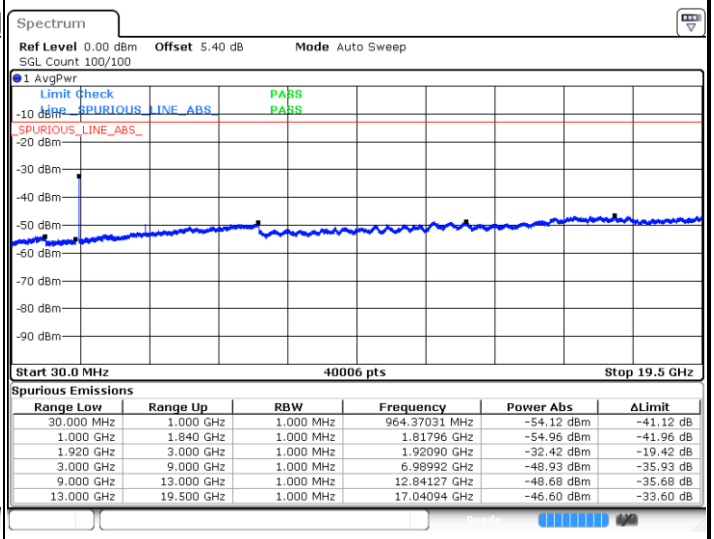



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 857.72364 MHz | -53.92 dBm | -40.92 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.63367 GHz | -55.06 dBm | -42.06 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92090 GHz | -31.75 dBm | -18.75 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.99342 GHz | -49.00 dBm | -36.00 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.80877 GHz | -48.76 dBm | -35.76 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 19.49525 GHz | -46.12 dBm | -33.12 dB |

Date: 12.AUG.2020 09:11:04

### Highest Channel / 16QAM



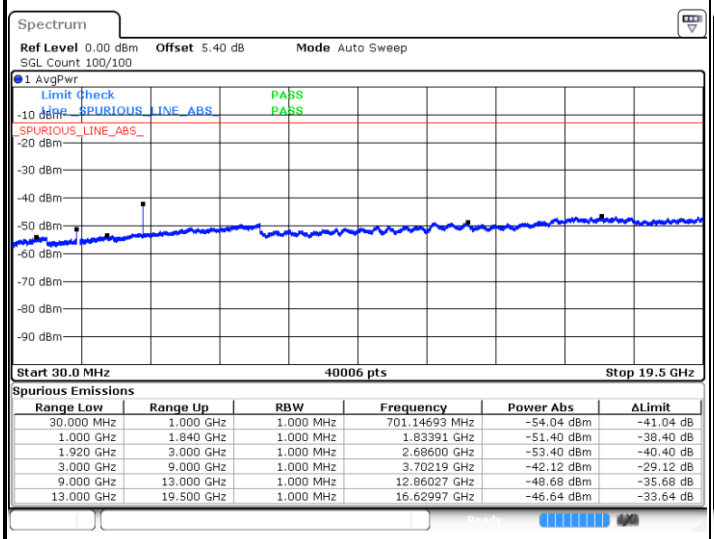

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 964.37031 MHz | -54.12 dBm | -41.12 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.81796 GHz | -54.96 dBm | -41.96 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92090 GHz | -32.42 dBm | -19.42 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.98992 GHz | -48.93 dBm | -35.93 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84127 GHz | -48.68 dBm | -35.68 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.04094 GHz | -46.60 dBm | -33.60 dB |

Date: 12.AUG.2020 09:10:09

## LTE Band 25 / 20MHz

### Lowest Channel / QPSK

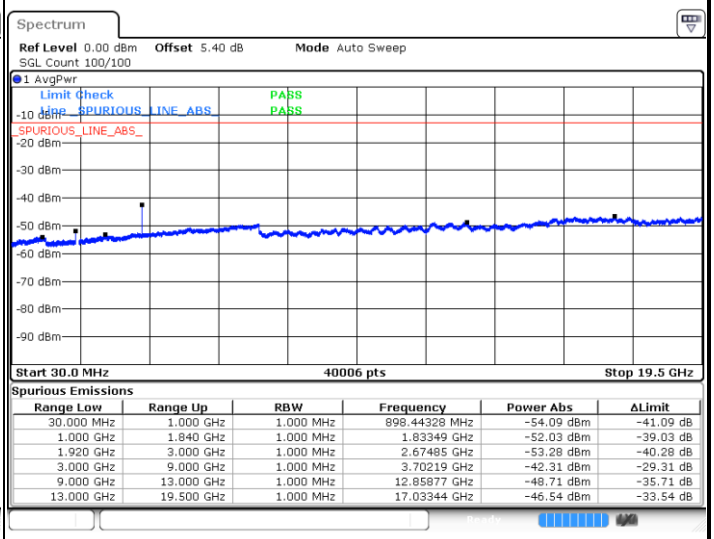



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 701.14693 MHz | -54.04 dBm | -41.04 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83391 GHz | -51.40 dBm | -38.40 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.68600 GHz | -53.40 dBm | -40.40 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70219 GHz | -42.12 dBm | -29.12 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.86027 GHz | -48.68 dBm | -35.68 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.62997 GHz | -46.64 dBm | -33.64 dB |

Date: 12.AUG.2020 09:21:35

### Lowest Channel / 16QAM



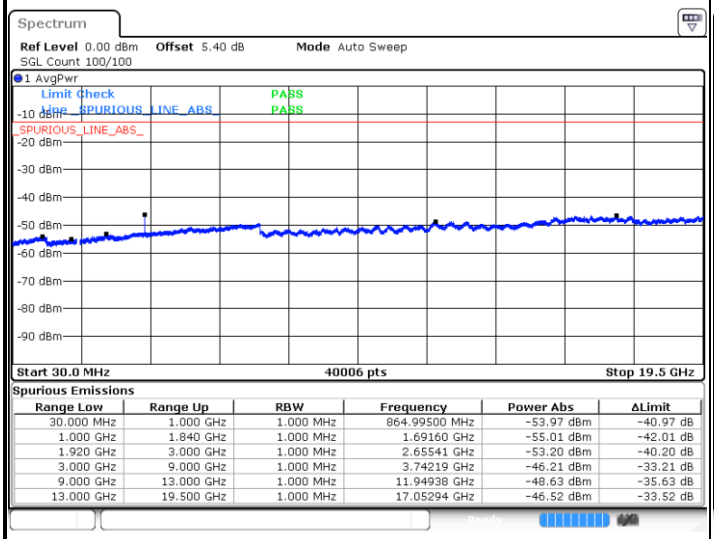

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 898.44328 MHz | -54.09 dBm | -41.09 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83349 GHz | -52.03 dBm | -39.03 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67485 GHz | -53.28 dBm | -40.28 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70219 GHz | -42.31 dBm | -29.31 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.85877 GHz | -48.71 dBm | -35.71 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.03344 GHz | -46.54 dBm | -33.54 dB |

Date: 12.AUG.2020 09:20:40

## LTE Band 25 / 20MHz

### Middle Channel / QPSK

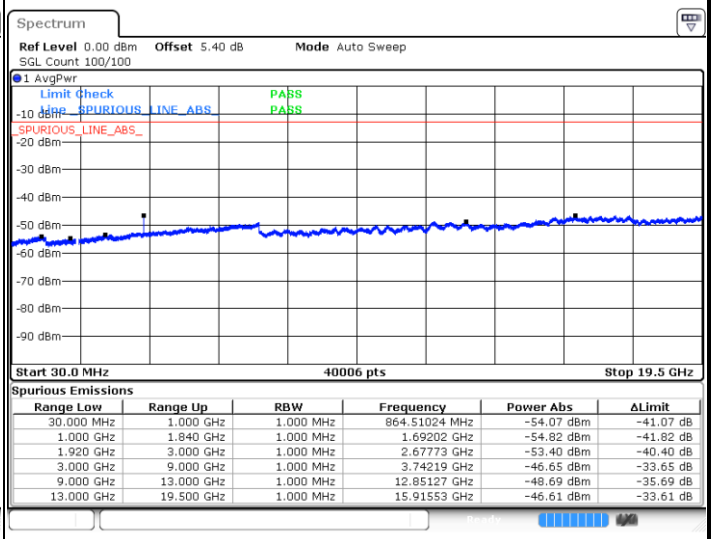



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 864.99500 MHz | -53.97 dBm | -40.97 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.69160 GHz | -55.01 dBm | -42.01 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65541 GHz | -53.20 dBm | -40.20 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74219 GHz | -46.21 dBm | -33.21 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.94938 GHz | -48.63 dBm | -35.63 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.05294 GHz | -46.52 dBm | -33.52 dB |

Date: 12.AUG.2020 09:22:30

### Middle Channel / 16QAM

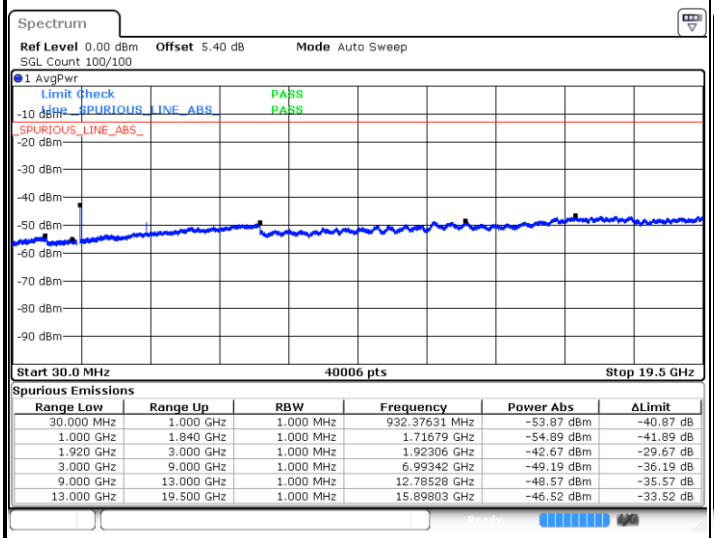



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 864.51024 MHz | -54.07 dBm | -41.07 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.69202 GHz | -54.82 dBm | -41.82 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67773 GHz | -53.40 dBm | -40.40 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74219 GHz | -46.65 dBm | -33.65 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.85127 GHz | -48.69 dBm | -35.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.91553 GHz | -46.61 dBm | -33.61 dB |

Date: 12.AUG.2020 09:23:25

### Highest Channel / QPSK

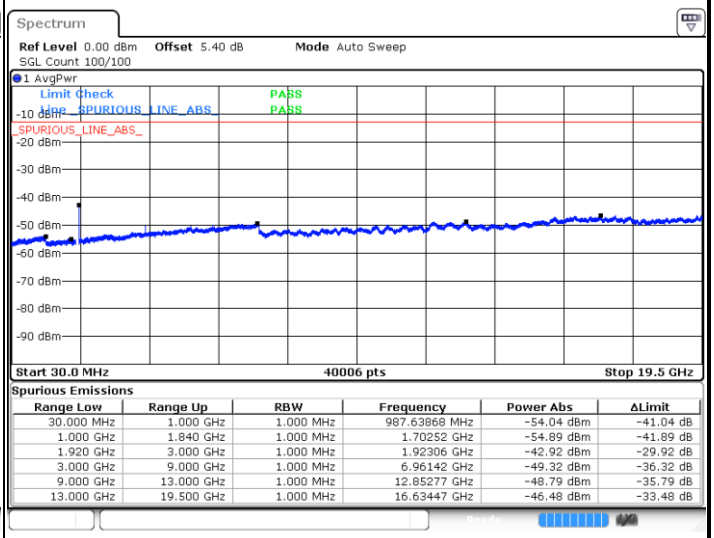



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 932.37631 MHz | -53.87 dBm | -40.87 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.71679 GHz | -54.89 dBm | -41.89 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92306 GHz | -42.67 dBm | -29.67 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.99342 GHz | -49.19 dBm | -36.19 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.78528 GHz | -48.57 dBm | -35.57 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.89803 GHz | -46.52 dBm | -33.52 dB |

Date: 12.AUG.2020 09:35:51

### Highest Channel / 16QAM



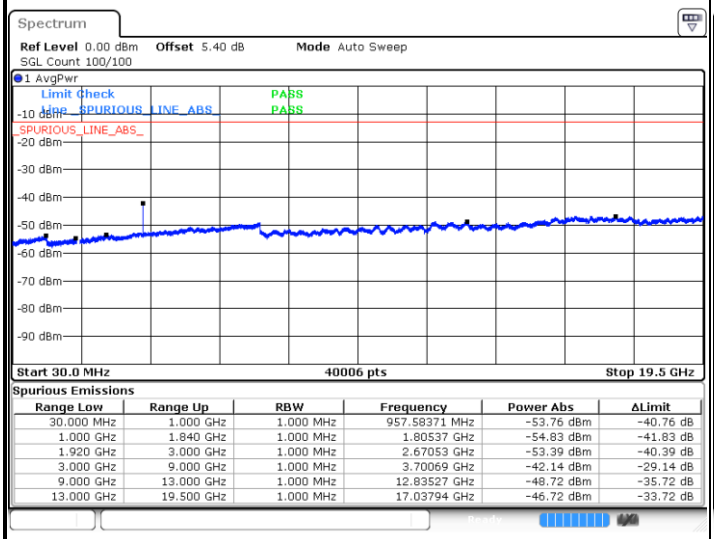

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 987.63868 MHz | -54.04 dBm | -41.04 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.70252 GHz | -54.89 dBm | -41.89 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92306 GHz | -42.92 dBm | -29.92 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.96142 GHz | -49.32 dBm | -36.32 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.85277 GHz | -48.79 dBm | -35.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.63447 GHz | -46.48 dBm | -33.48 dB |

Date: 12.AUG.2020 09:34:56

## LTE Band 25 / 1.4MHz

### Lowest Channel / 64QAM

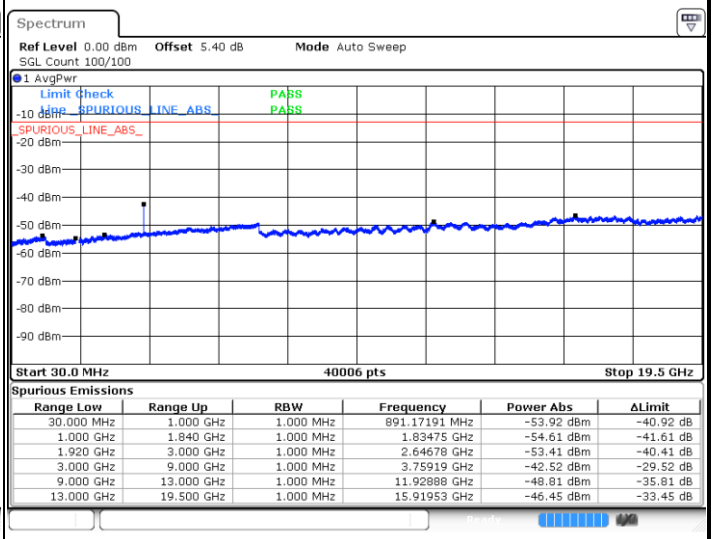



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 957.58371 MHz | -53.76 dBm | -40.76 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80537 GHz | -54.83 dBm | -41.83 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67053 GHz | -53.39 dBm | -40.39 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -42.14 dBm | -29.14 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.83527 GHz | -48.72 dBm | -35.72 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.03794 GHz | -46.72 dBm | -33.72 dB |

Date: 12.AUG.2020 06:37:35

### Middle Channel / 64QAM

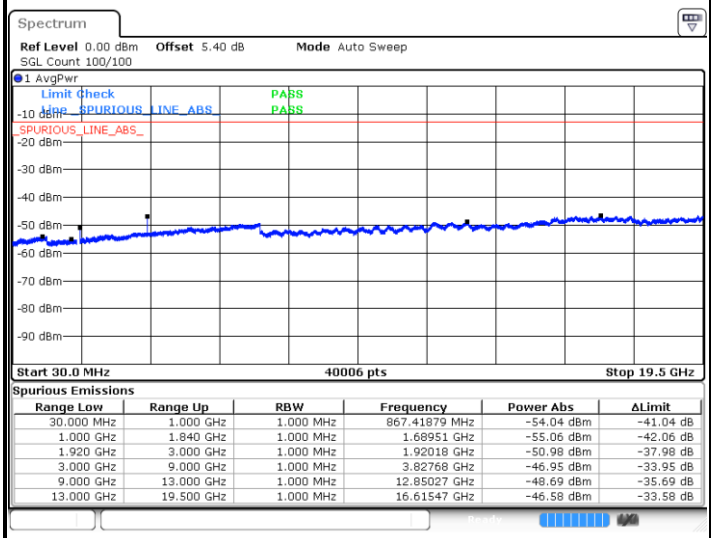



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 891.17191 MHz | -53.92 dBm | -40.92 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83475 GHz | -54.61 dBm | -41.61 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.64678 GHz | -53.41 dBm | -40.41 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75919 GHz | -42.52 dBm | -29.52 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 11.92888 GHz | -48.81 dBm | -35.81 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.91953 GHz | -46.45 dBm | -33.45 dB |

Date: 12.AUG.2020 06:40:20

### Highest Channel / 64QAM



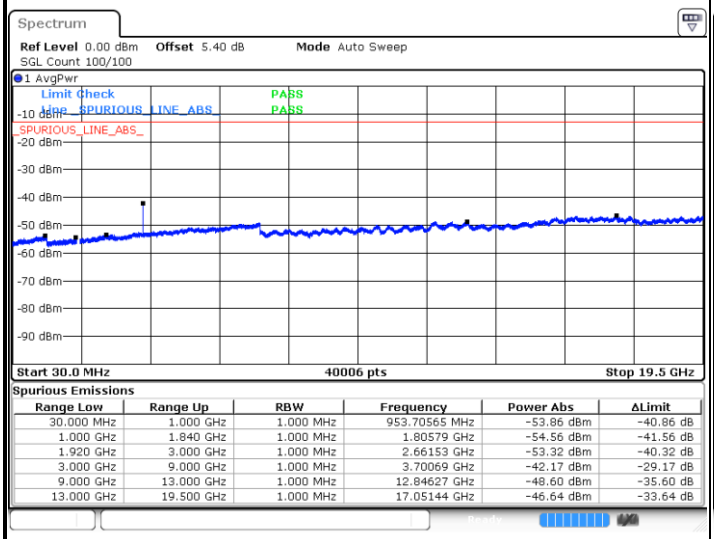

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 867.41879 MHz | -54.04 dBm | -41.04 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.68951 GHz | -55.06 dBm | -42.06 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -50.98 dBm | -37.98 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.82768 GHz | -46.95 dBm | -33.95 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.85027 GHz | -48.69 dBm | -35.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.61547 GHz | -46.58 dBm | -33.58 dB |

Date: 12.AUG.2020 06:43:05

## LTE Band 25 / 3MHz

### Lowest Channel / 64QAM

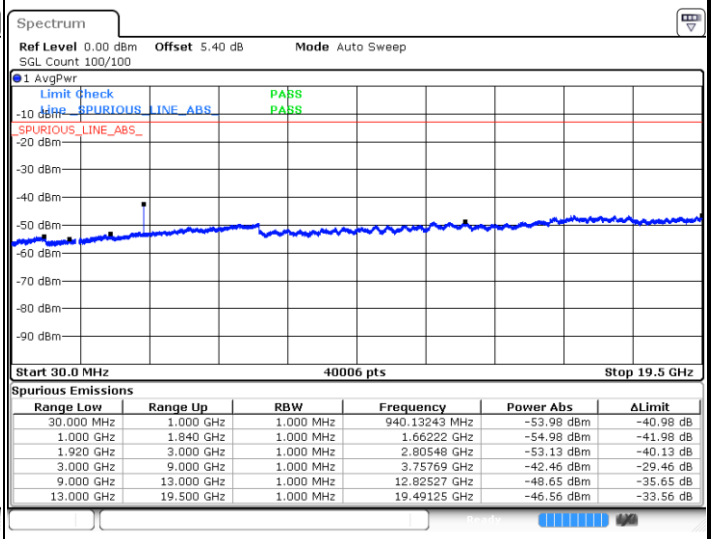



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 953.70565 MHz | -53.86 dBm | -40.86 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80579 GHz | -54.56 dBm | -41.56 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.66153 GHz | -53.32 dBm | -40.32 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -42.17 dBm | -29.17 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84627 GHz | -48.60 dBm | -35.60 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.05144 GHz | -46.64 dBm | -33.64 dB |

Date: 12.AUG.2020 07:15:54

### Middle Channel / 64QAM

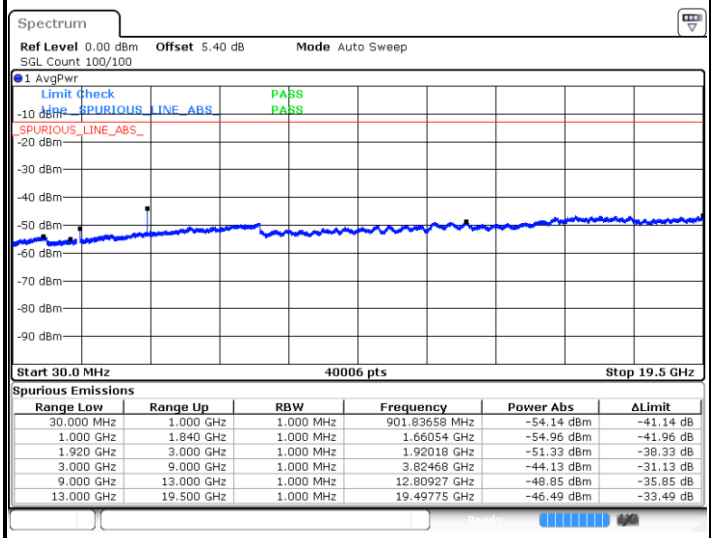



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 940.13243 MHz | -53.98 dBm | -40.98 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66222 GHz | -54.98 dBm | -41.98 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.80548 GHz | -53.13 dBm | -40.13 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75769 GHz | -42.46 dBm | -29.46 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.82527 GHz | -48.65 dBm | -35.65 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 19.49125 GHz | -46.56 dBm | -33.56 dB |

Date: 12.AUG.2020 07:46:58

### Highest Channel / 64QAM



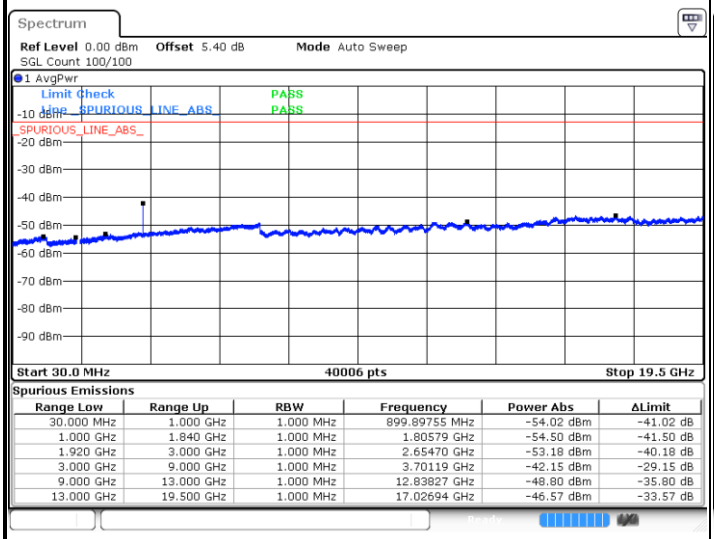

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 901.83658 MHz | -54.14 dBm | -41.14 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66054 GHz | -54.96 dBm | -41.96 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -51.33 dBm | -38.33 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.82468 GHz | -44.13 dBm | -31.13 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.80927 GHz | -48.85 dBm | -35.85 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 19.49775 GHz | -46.49 dBm | -33.49 dB |

Date: 12.AUG.2020 07:49:43

## LTE Band 25 / 5MHz

### Lowest Channel / 64QAM

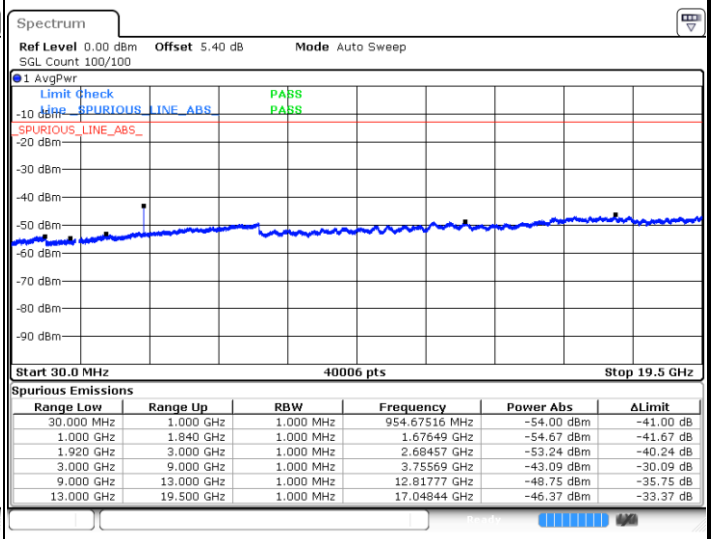



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 899.89755 MHz | -54.02 dBm | -41.02 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80579 GHz | -54.50 dBm | -41.50 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65470 GHz | -53.18 dBm | -40.18 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70119 GHz | -42.15 dBm | -29.15 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.83827 GHz | -48.80 dBm | -35.80 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.02694 GHz | -46.57 dBm | -33.57 dB |

Date: 12.AUG.2020 07:58:24

### Middle Channel / 64QAM

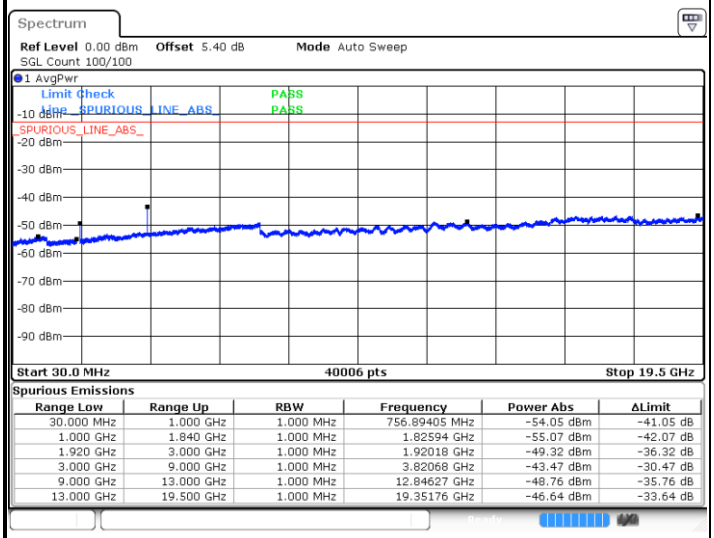



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 954.67516 MHz | -54.00 dBm | -41.00 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.67649 GHz | -54.67 dBm | -41.67 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.68457 GHz | -53.24 dBm | -40.24 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75569 GHz | -43.09 dBm | -30.09 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.81777 GHz | -48.75 dBm | -35.75 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.04844 GHz | -46.37 dBm | -33.37 dB |

Date: 12.AUG.2020 08:02:58

### Highest Channel / 64QAM



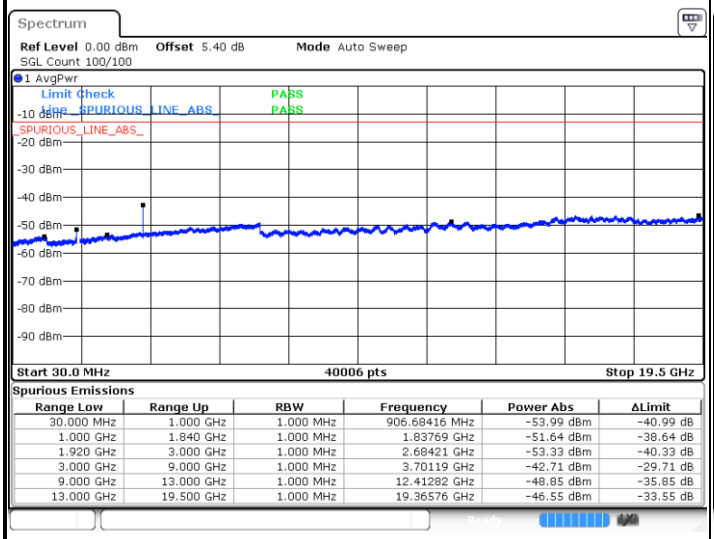

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 756.89405 MHz | -54.05 dBm | -41.05 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82594 GHz | -55.07 dBm | -42.07 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -49.32 dBm | -36.32 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.82068 GHz | -43.47 dBm | -30.47 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84627 GHz | -48.76 dBm | -35.76 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 19.35176 GHz | -46.64 dBm | -33.64 dB |

Date: 12.AUG.2020 08:12:40

## LTE Band 25 / 10MHz

### Lowest Channel / 64QAM

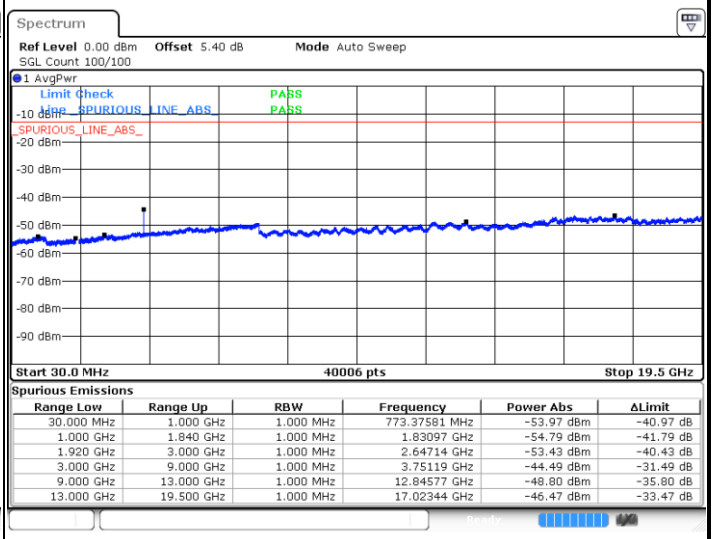



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 906.68416 MHz | -53.99 dBm | -40.99 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -51.64 dBm | -38.64 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.68421 GHz | -53.33 dBm | -40.33 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70119 GHz | -42.71 dBm | -29.71 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.41282 GHz | -48.85 dBm | -35.85 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 19.36576 GHz | -46.55 dBm | -33.55 dB |

Date: 12.AUG.2020 08:23:11

### Middle Channel / 64QAM

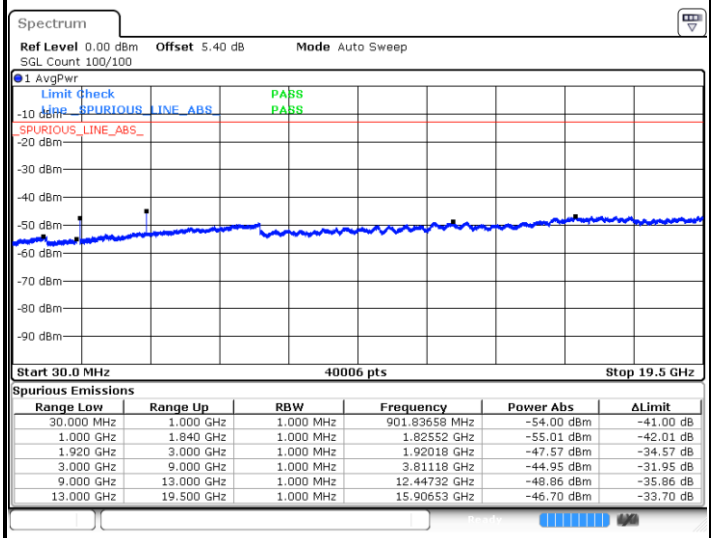



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 773.37581 MHz | -53.97 dBm | -40.97 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83097 GHz | -54.79 dBm | -41.79 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.64714 GHz | -53.43 dBm | -40.43 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75119 GHz | -44.49 dBm | -31.49 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84577 GHz | -48.80 dBm | -35.80 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.02344 GHz | -46.47 dBm | -33.47 dB |

Date: 12.AUG.2020 08:27:45

### Highest Channel / 64QAM



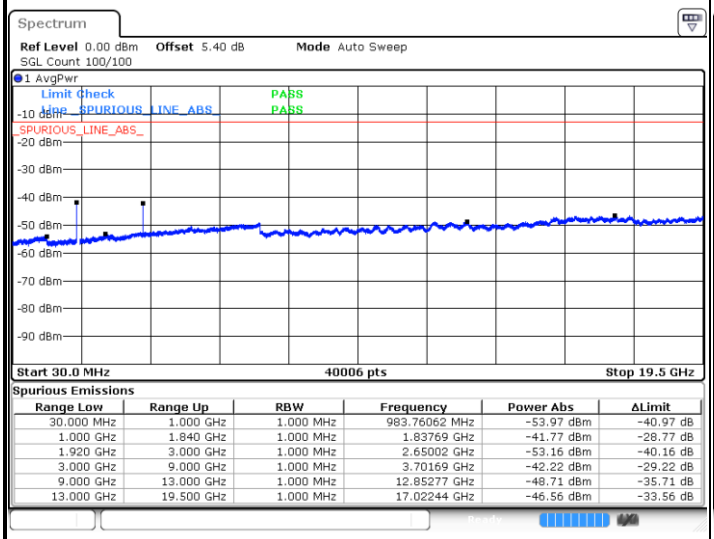

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 901.83658 MHz | -54.00 dBm | -41.00 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82552 GHz | -55.01 dBm | -42.01 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -47.57 dBm | -34.57 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81118 GHz | -44.95 dBm | -31.95 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.44732 GHz | -48.86 dBm | -35.86 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.90653 GHz | -46.70 dBm | -33.70 dB |

Date: 12.AUG.2020 08:37:27

## LTE Band 25 / 15MHz

### Lowest Channel / 64QAM

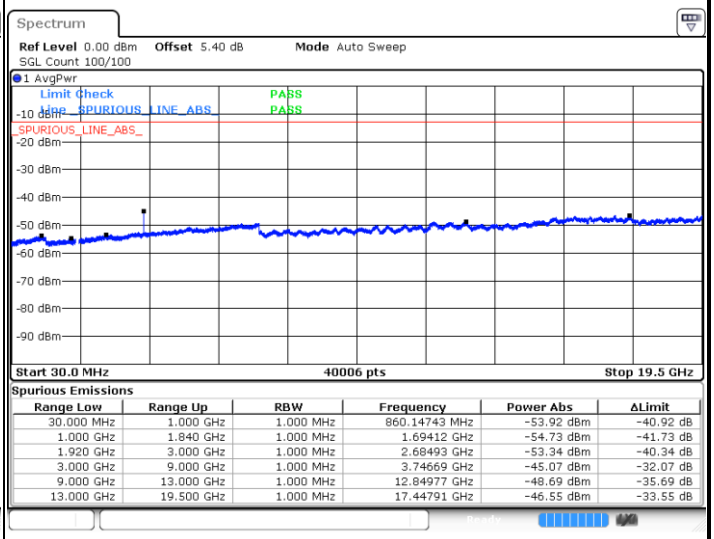



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 983.76062 MHz | -53.97 dBm | -40.97 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -41.77 dBm | -28.77 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65002 GHz | -53.16 dBm | -40.16 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70169 GHz | -42.22 dBm | -29.22 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.85277 GHz | -48.71 dBm | -35.71 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.02244 GHz | -46.56 dBm | -33.56 dB |

Date: 12.AUG.2020 08:47:57

### Middle Channel / 64QAM

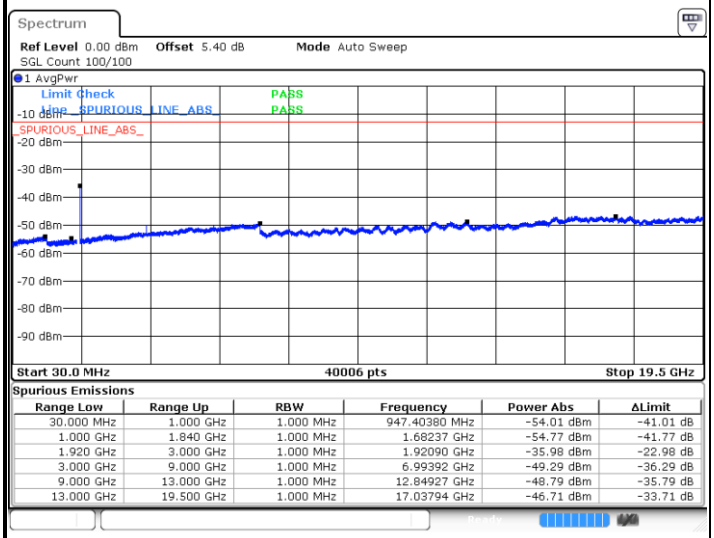



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 860.14743 MHz | -53.92 dBm | -40.92 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.69412 GHz | -54.73 dBm | -41.73 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.68493 GHz | -53.34 dBm | -40.34 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74669 GHz | -45.07 dBm | -32.07 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84977 GHz | -48.69 dBm | -35.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.44791 GHz | -46.55 dBm | -33.55 dB |

Date: 12.AUG.2020 08:52:32

### Highest Channel / 64QAM



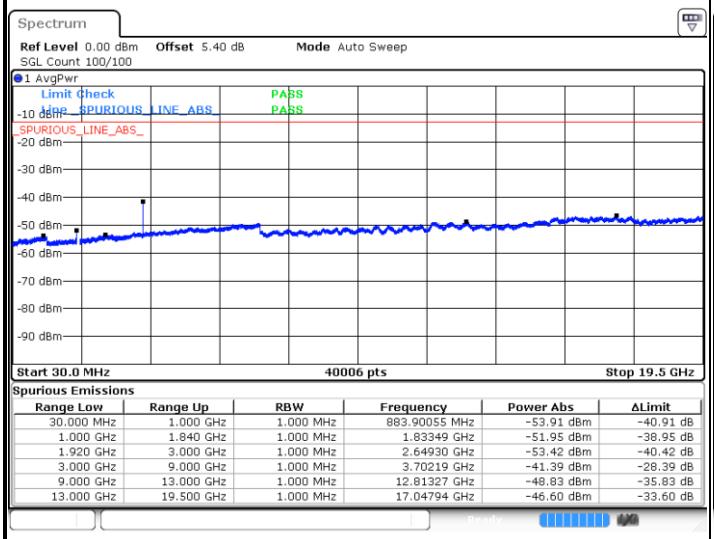

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 947.40380 MHz | -54.01 dBm | -41.01 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.68237 GHz | -54.77 dBm | -41.77 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92090 GHz | -35.98 dBm | -22.98 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.99392 GHz | -49.29 dBm | -36.29 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.84927 GHz | -48.79 dBm | -35.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.03794 GHz | -46.71 dBm | -33.71 dB |

Date: 12.AUG.2020 09:09:14

## LTE Band 25 / 20MHz

### Lowest Channel / 64QAM

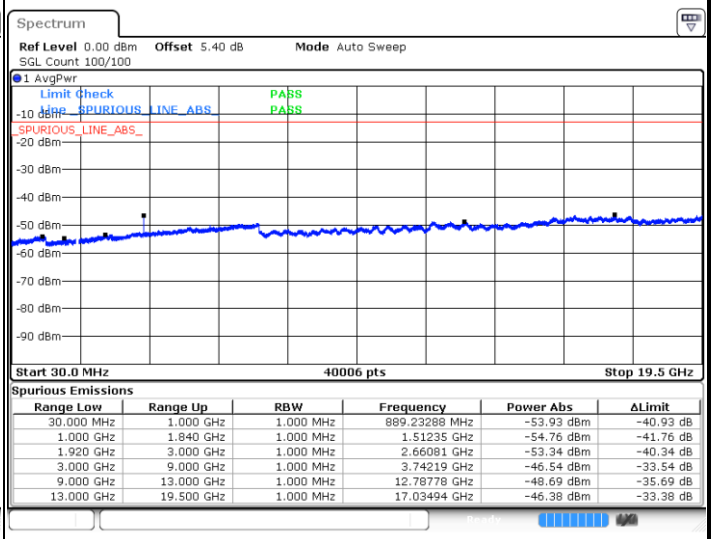



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 883.90055 MHz | -53.91 dBm | -40.91 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83349 GHz | -51.95 dBm | -38.95 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.64930 GHz | -53.42 dBm | -40.42 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70219 GHz | -41.39 dBm | -28.39 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.81327 GHz | -48.83 dBm | -35.83 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.04794 GHz | -46.60 dBm | -33.60 dB |

Date: 12.AUG.2020 09:19:45

### Middle Channel / 64QAM

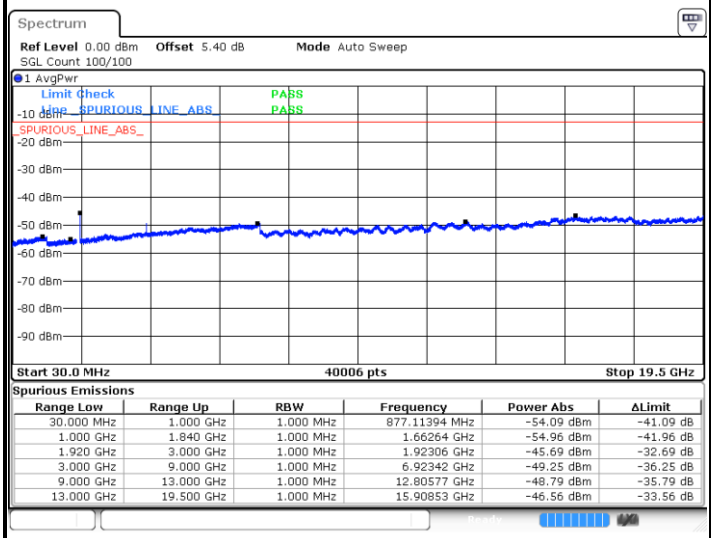



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 889.23288 MHz | -53.93 dBm | -40.93 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.51235 GHz | -54.76 dBm | -41.76 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.66081 GHz | -53.34 dBm | -40.34 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74219 GHz | -46.54 dBm | -33.54 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.78778 GHz | -48.69 dBm | -35.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 17.03494 GHz | -46.38 dBm | -33.38 dB |

Date: 12.AUG.2020 09:24:20

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 877.11394 MHz | -54.09 dBm | -41.09 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66264 GHz | -54.96 dBm | -41.96 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92306 GHz | -45.69 dBm | -32.69 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.92342 GHz | -49.25 dBm | -36.25 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.80577 GHz | -48.79 dBm | -35.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.90853 GHz | -46.56 dBm | -33.56 dB |

Date: 12.AUG.2020 09:34:02

# Frequency Stability

| Test Conditions | | LTE Band 25 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0022 | PASS |
| 40 | Normal Voltage | 0.0014 | |
| 30 | Normal Voltage | 0.0019 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0033 | |
| 0 | Normal Voltage | 0.0038 | |
| -10 | Normal Voltage | 0.0046 | |
| -20 | Normal Voltage | 0.0021 | |
| -30 | Normal Voltage | 0.0015 | |
| 20 | Maximum Voltage | 0.0039 | |
| 20 | Normal Voltage | 0.0020 | |
| 20 | Battery End Point | 0.0011 | |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

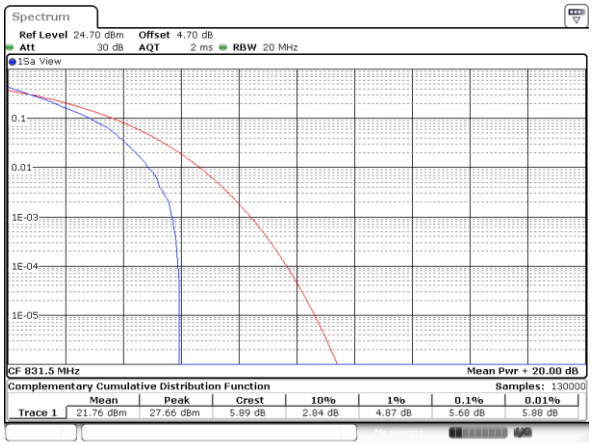
# LTE Band 26

## Peak-to-Average Ratio

| Mode | LTE Band 26 / 15MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 5.68 | 5.77 | 6.78 | 6.38 | PASS |
| Middle CH | 5.57 | 5.62 | 6.52 | 6.41 | |
| Highest CH | 5.48 | 5.59 | 6.26 | 6.32 | |
| Mode | LTE Band 26 / 15MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.29 | 6.72 | - | - | PASS |
| Middle CH | 5.94 | 6.67 | - | - | |
| Highest CH | 5.68 | 6.49 | - | - | |

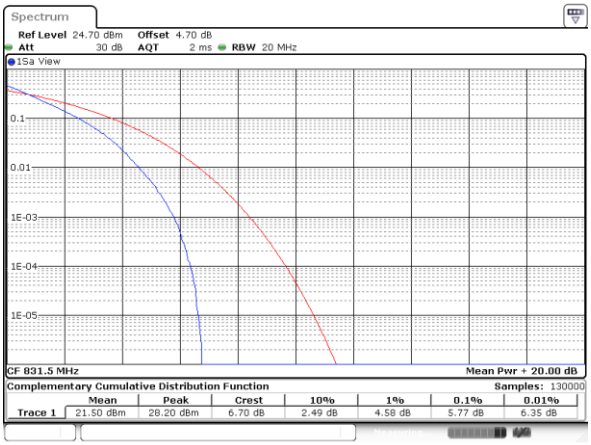
## LTE Band 26 / 15MHz / QPSK

### Lowest Channel / 1RB



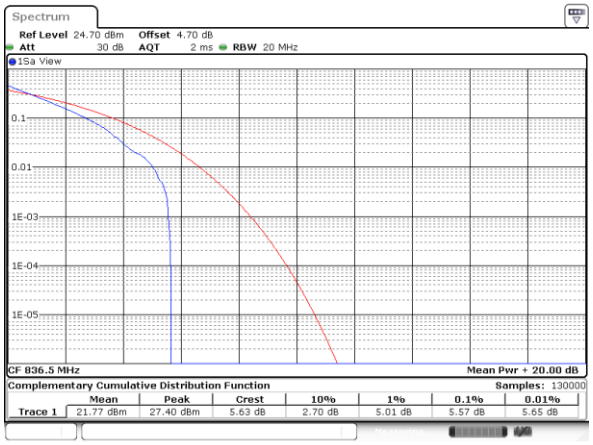

Date: 13.AUG.2020 15:03:47

### Lowest Channel / Full RB



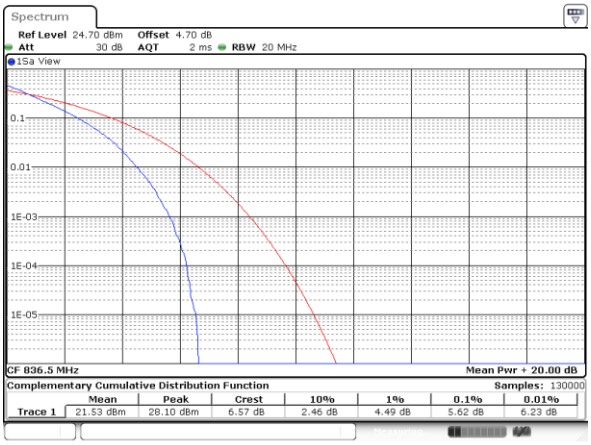

Date: 13.AUG.2020 15:05:16

### Middle Channel / 1RB




Date: 13.AUG.2020 15:03:15

### Middle Channel / Full RB




Date: 13.AUG.2020 15:02:05

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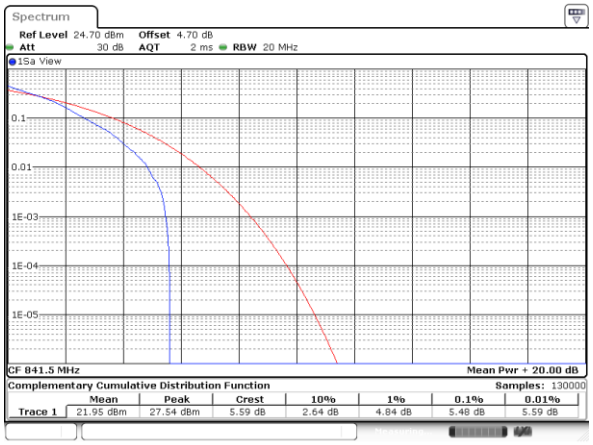
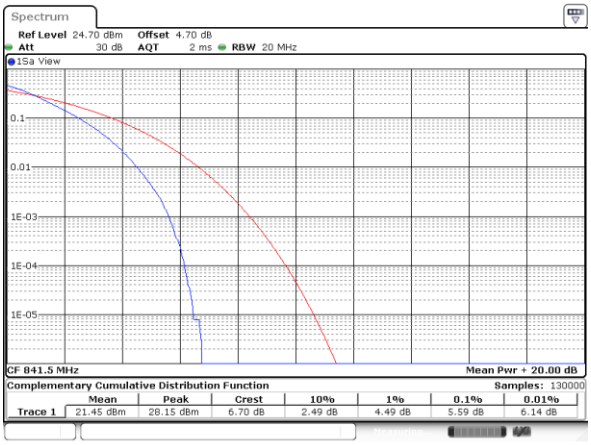



Date: 13.AUG.2020 14:58:51

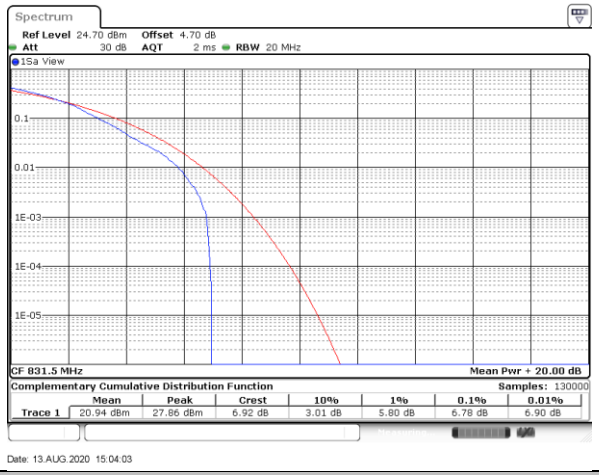
### Highest Channel / Full RB



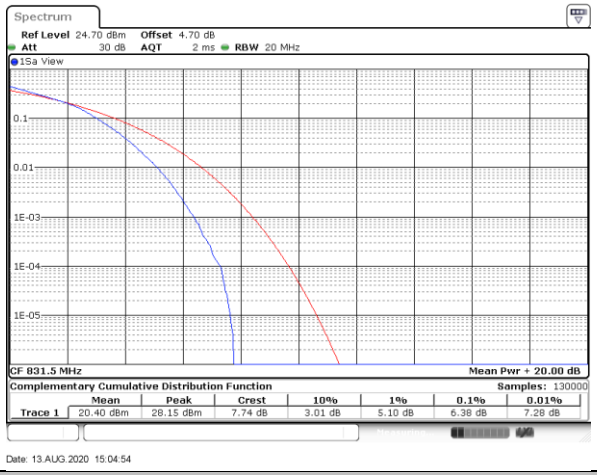

Date: 13.AUG.2020 15:01:23

## LTE Band 26 / 15MHz / 16QAM

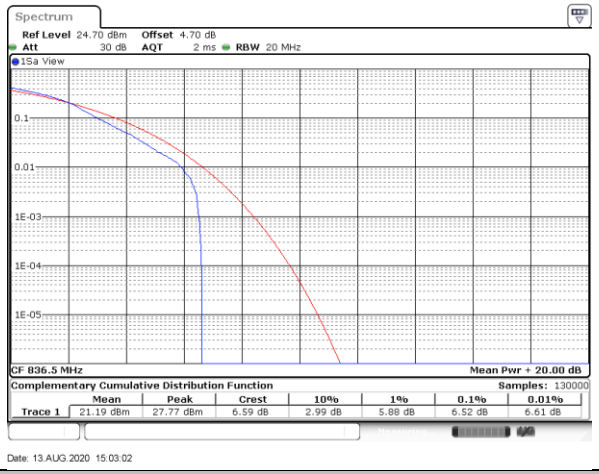
### Lowest Channel / 1RB



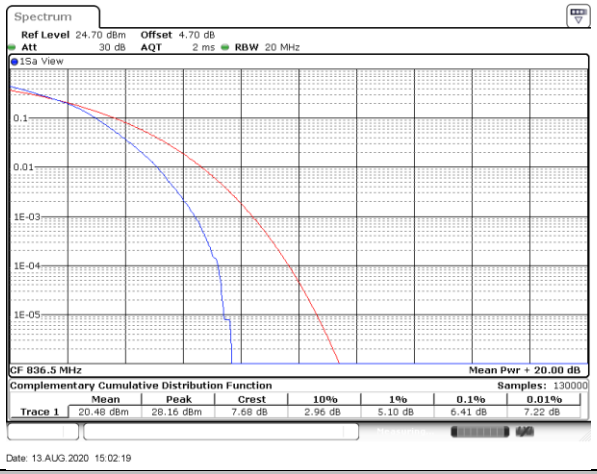

### Lowest Channel / Full RB



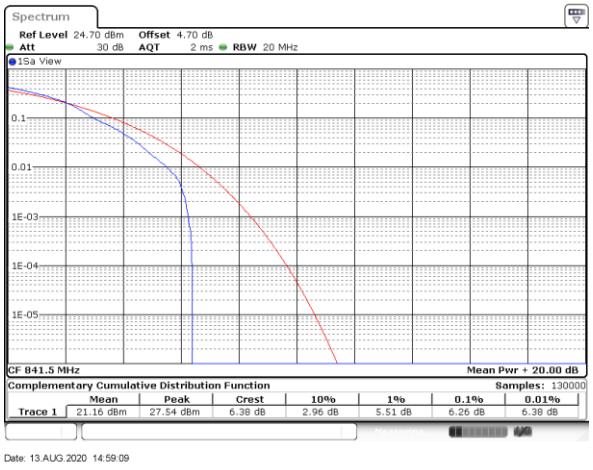

### Middle Channel / 1RB



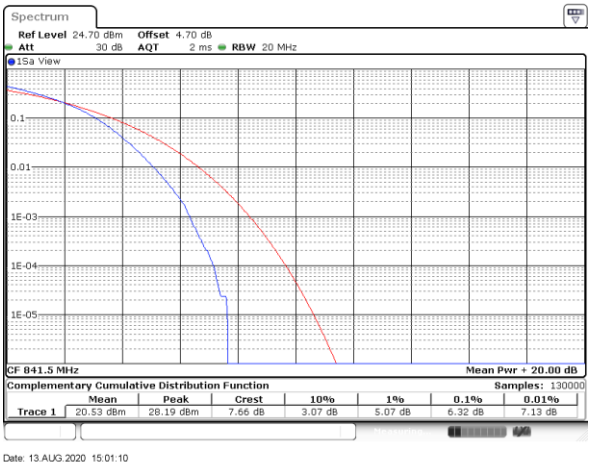

### Middle Channel / Full RB




### Highest Channel / 1RB

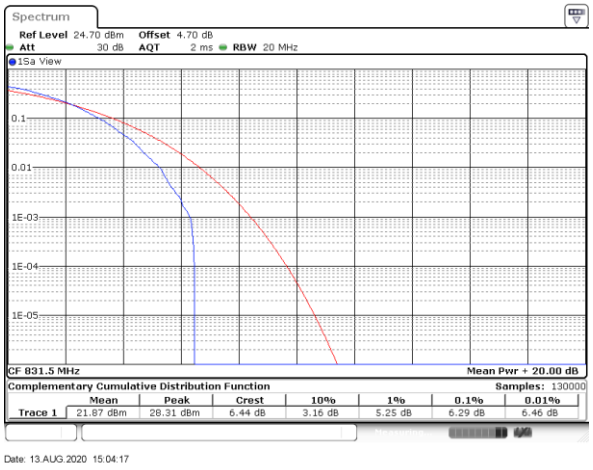



### Highest Channel / Full RB

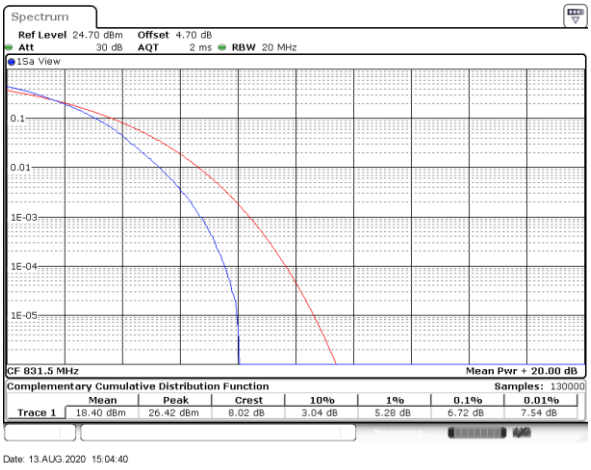


## LTE Band 26 / 15MHz / 64QAM

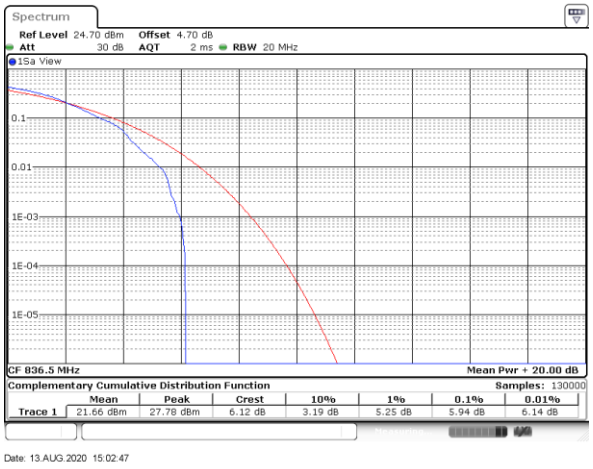
### Lowest Channel / 1RB



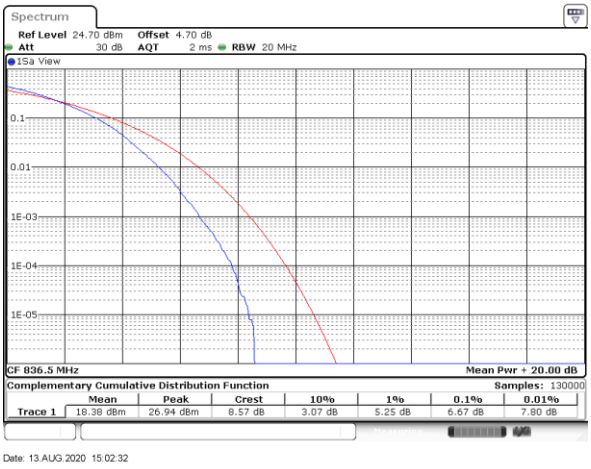

### Lowest Channel / Full RB



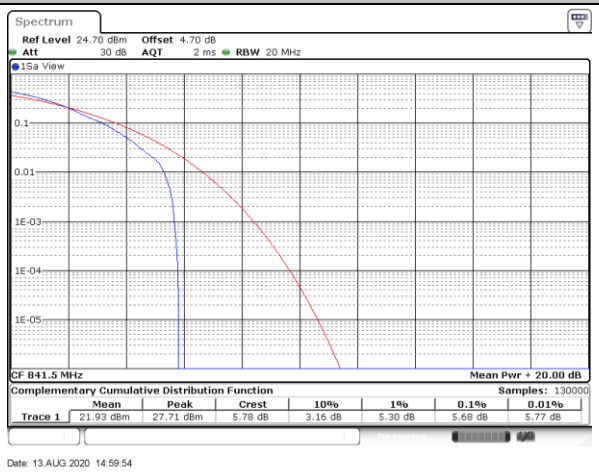

### Middle Channel / 1RB



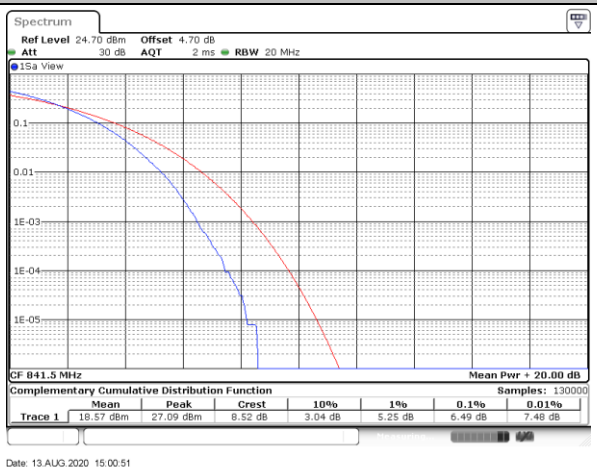

### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB

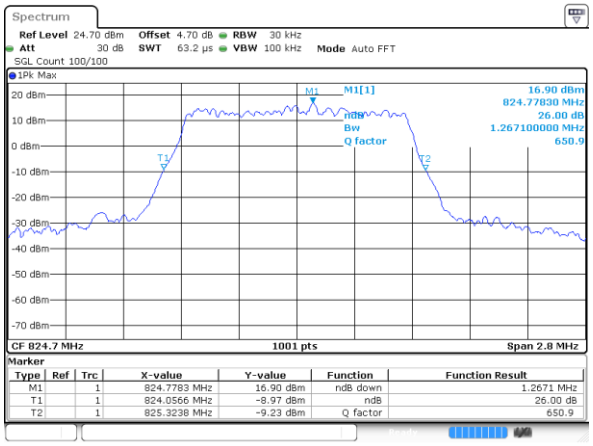


# 26dB Bandwidth

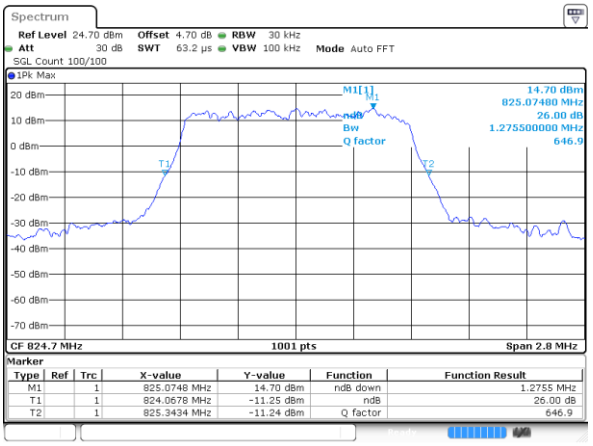
| Mode | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.27 | 1.28 | 3.01 | 3.00 | 4.86 | 4.99 | 9.93 | 9.75 | 14.42 | 14.51 |
| Middle CH | 1.28 | 1.26 | 3.02 | 3.03 | 4.91 | 4.79 | 9.81 | 9.63 | 14.33 | 14.51 |
| Highest CH | 1.28 | 1.28 | 3.01 | 3.05 | 4.97 | 4.86 | 9.85 | 9.91 | 14.42 | 14.21 |
| Mode | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.26 | - | 3.01 | - | 5.02 | - | 9.93 | - | 14.63 | - |
| Middle CH | 1.24 | - | 2.99 | - | 4.87 | - | 9.89 | - | 14.66 | - |
| Highest CH | 1.24 | - | 3.00 | - | 4.89 | - | 9.73 | - | 14.36 | - |

## LTE Band 26

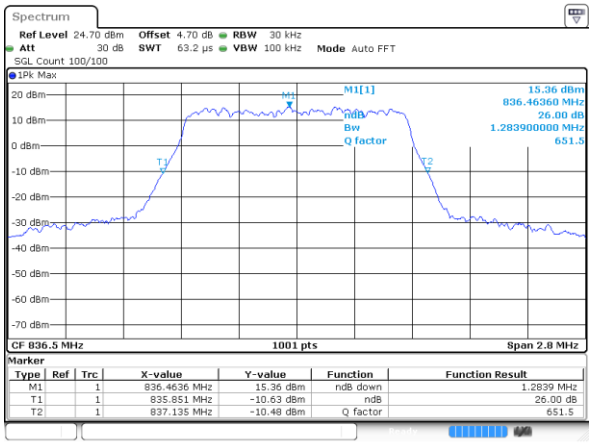
### Lowest Channel / 1.4MHz / QPSK



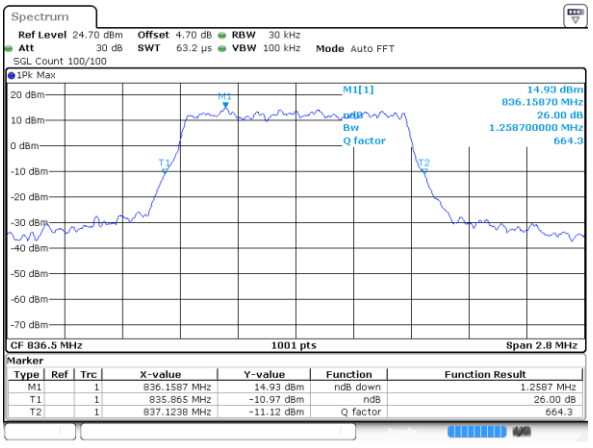

### Lowest Channel / 1.4MHz / 16QAM



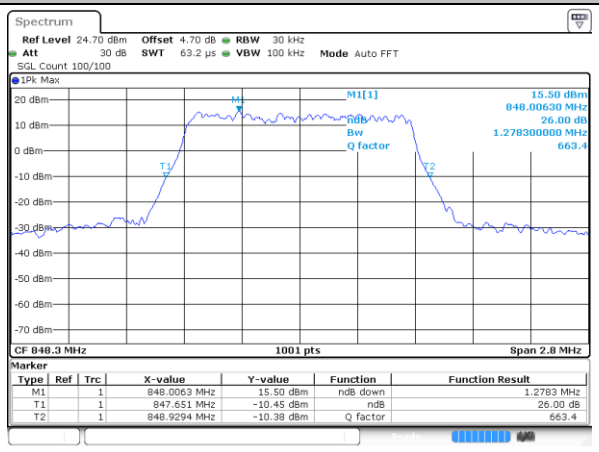

### Middle Channel / 1.4MHz / QPSK



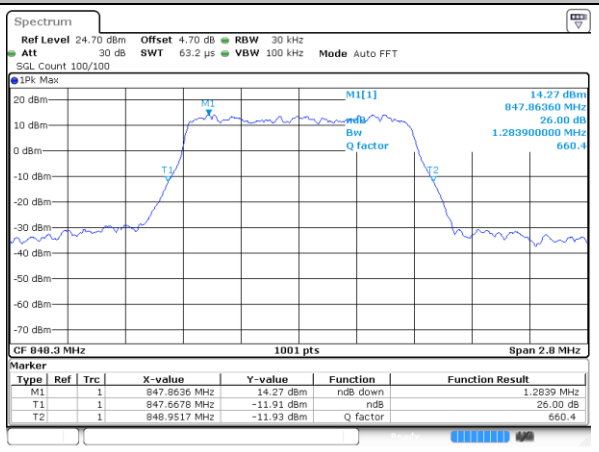

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

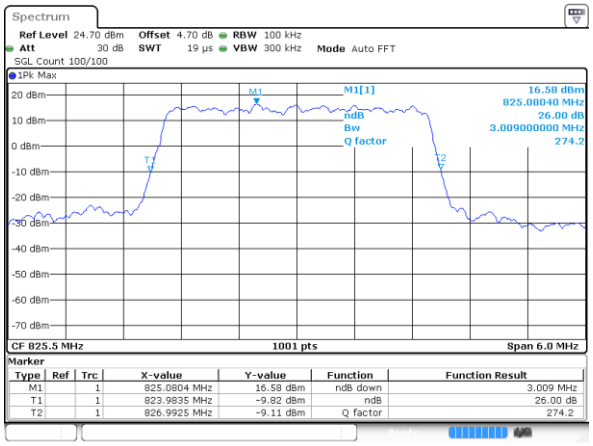



### Highest Channel / 1.4MHz / 16QAM

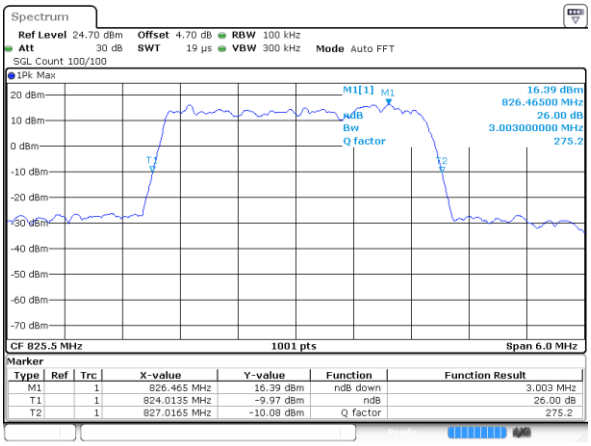


## LTE Band 26

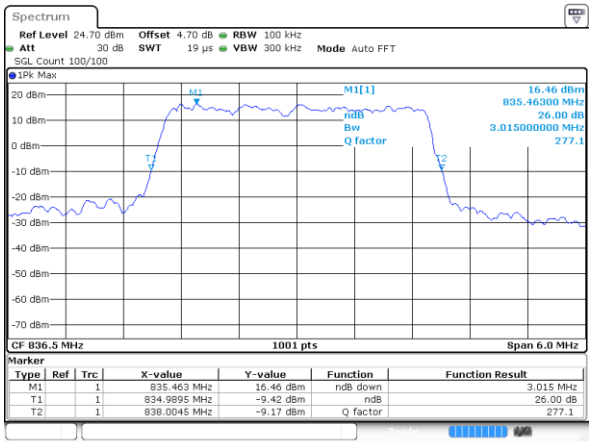
### Lowest Channel / 3MHz / QPSK



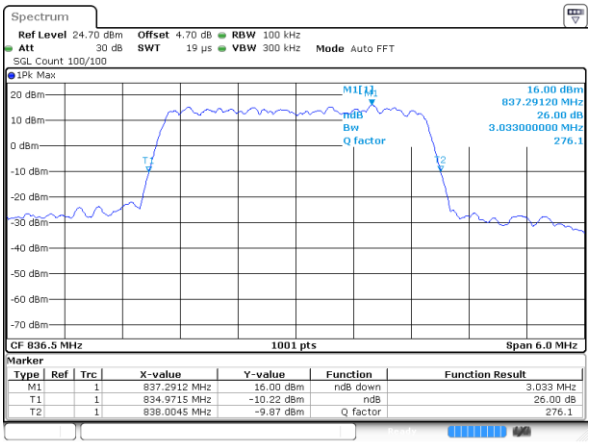

### Lowest Channel / 3MHz / 16QAM



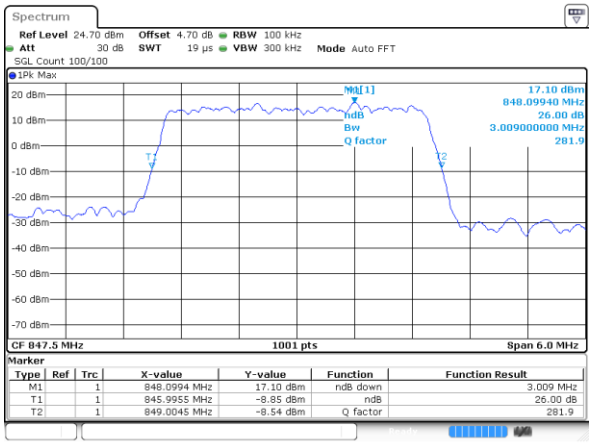

### Middle Channel / 3MHz / QPSK



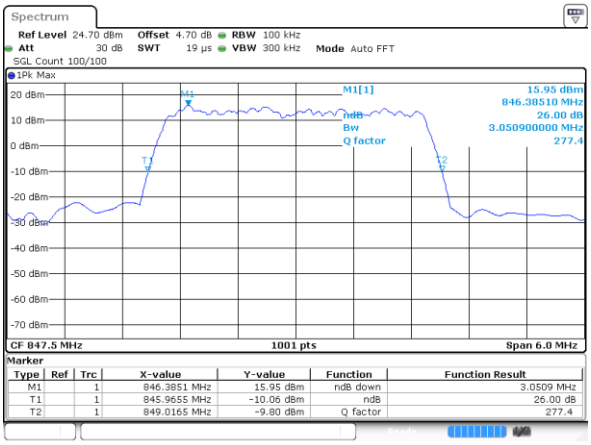

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

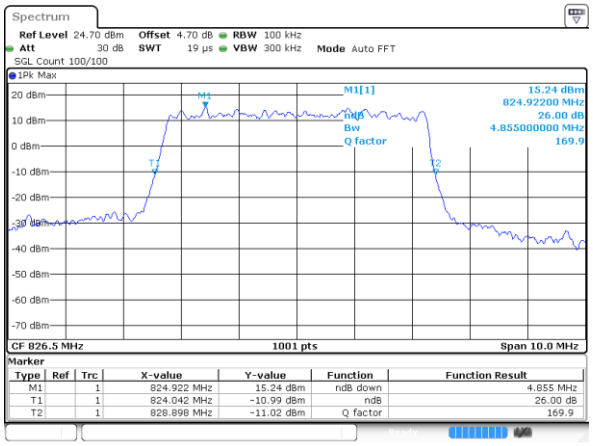



### Highest Channel / 3MHz / 16QAM

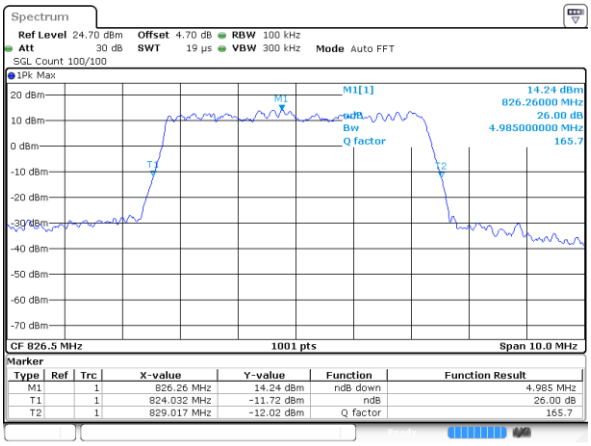


## LTE Band 26

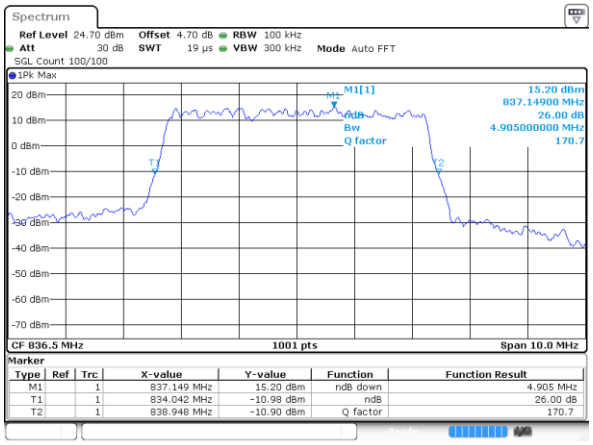
### Lowest Channel / 5MHz / QPSK



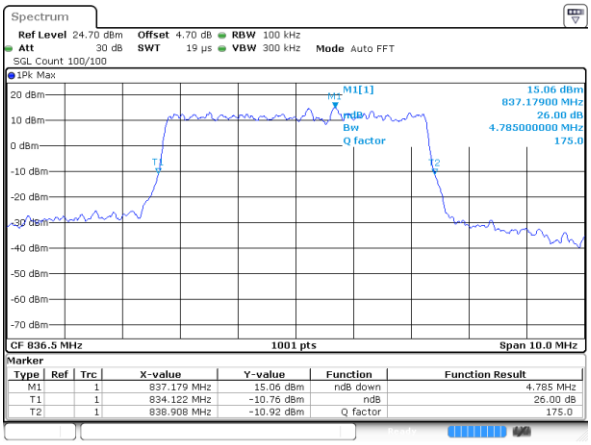

### Lowest Channel / 5MHz / 16QAM



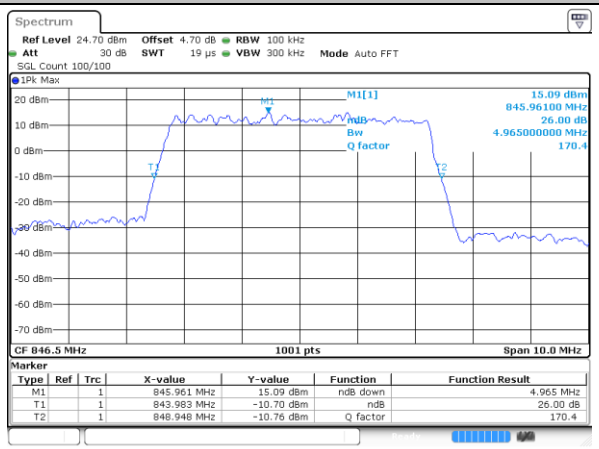

### Middle Channel / 5MHz / QPSK



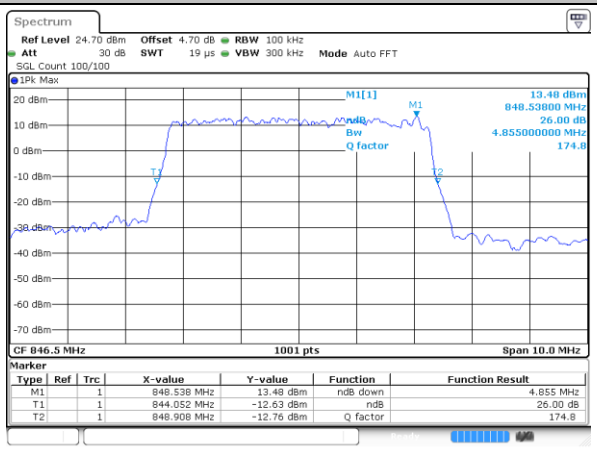

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

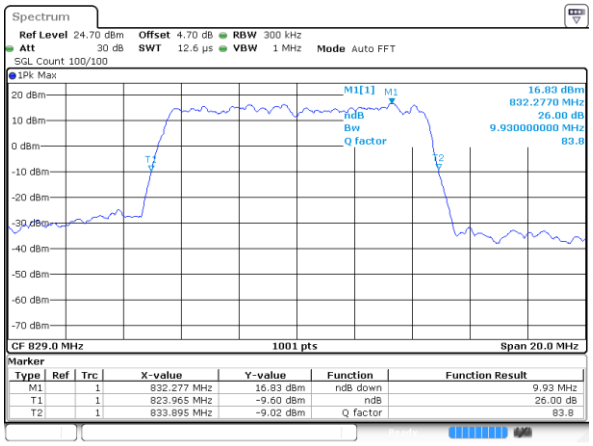



### Highest Channel / 5MHz / 16QAM

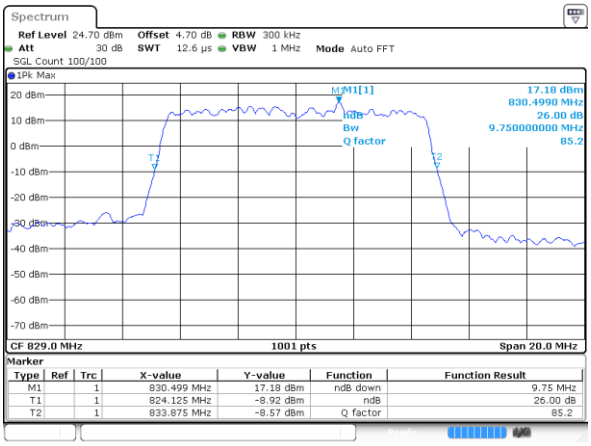


## LTE Band 26

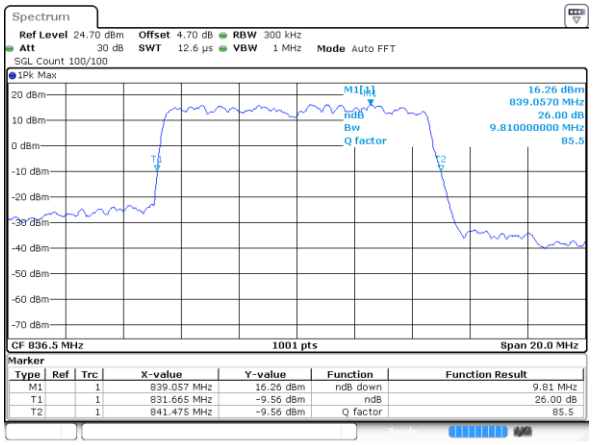
### Lowest Channel / 10MHz / QPSK



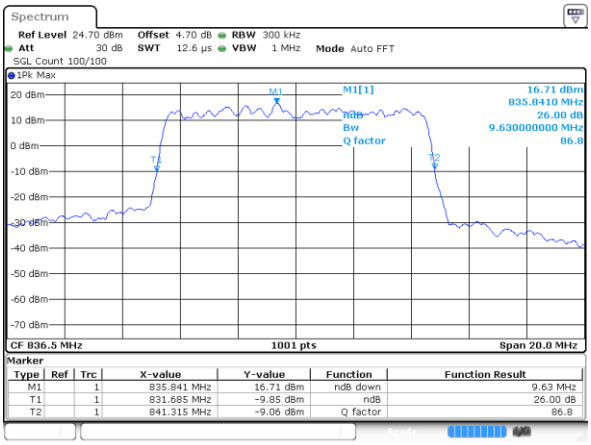

### Lowest Channel / 10MHz / 16QAM



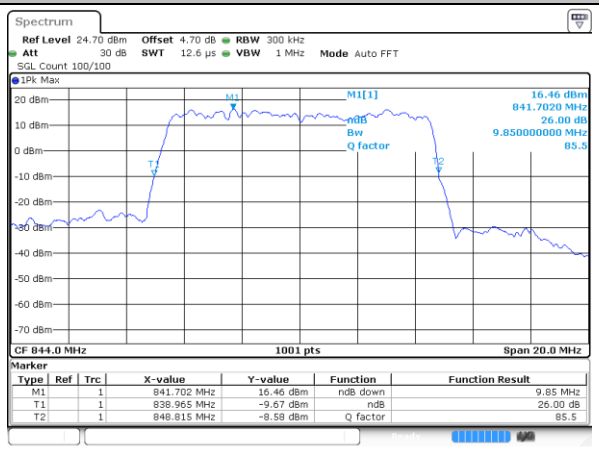

### Middle Channel / 10MHz / QPSK



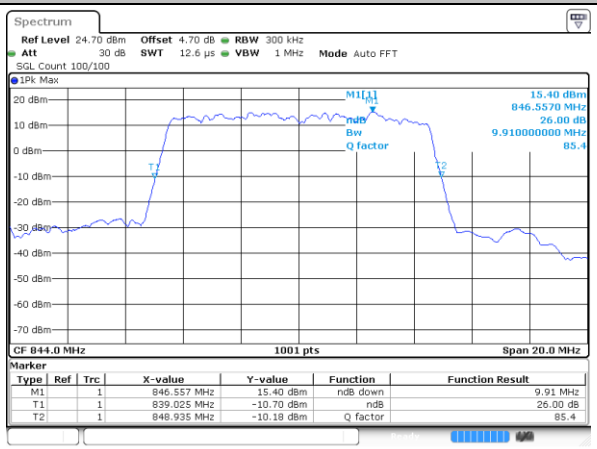

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

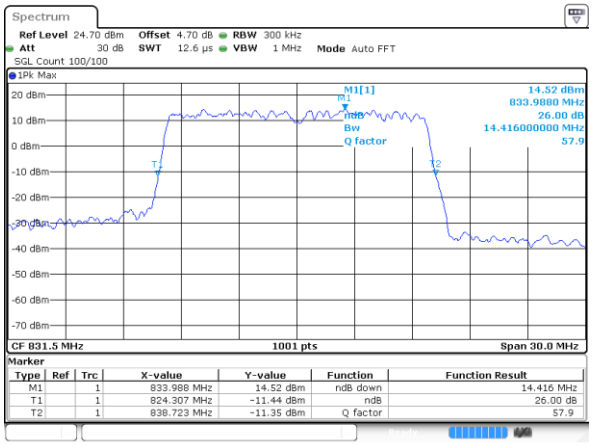



### Highest Channel / 10MHz / 16QAM

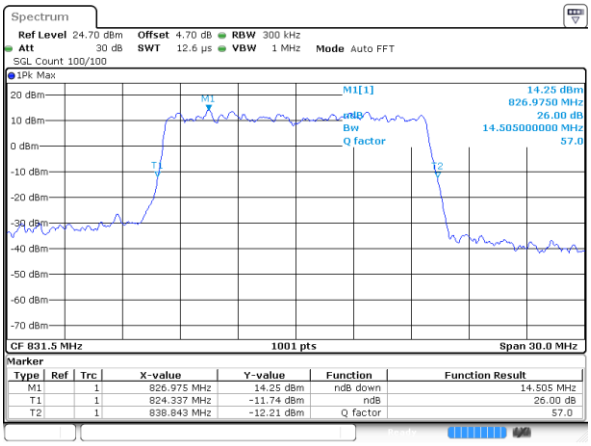


## LTE Band 26

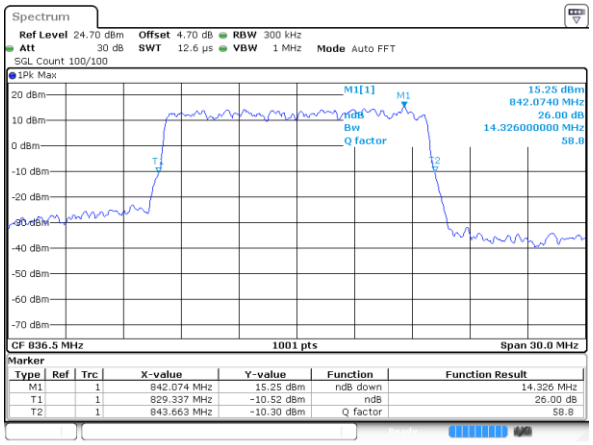
### Lowest Channel / 15MHz / QPSK



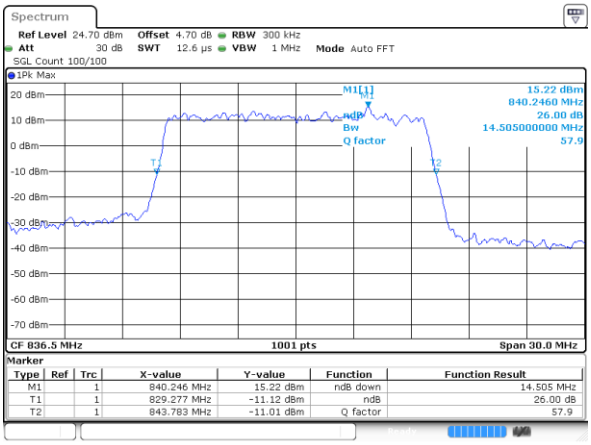

### Lowest Channel / 15MHz / 16QAM



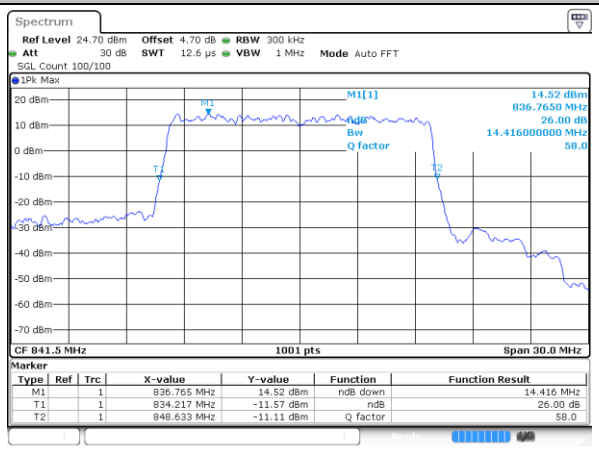

### Middle Channel / 15MHz / QPSK



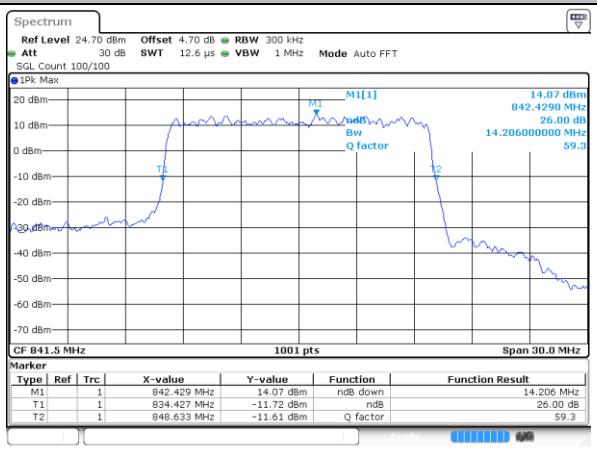

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

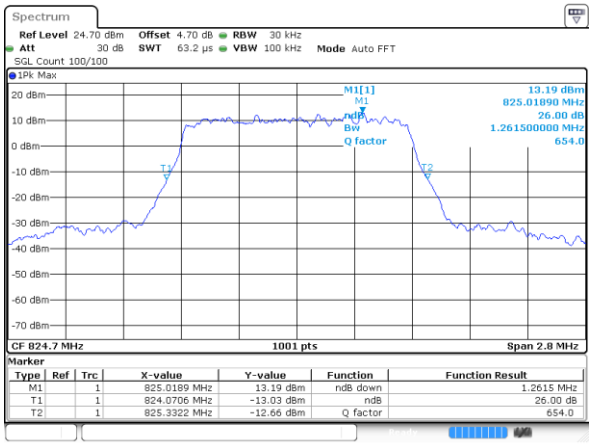



### Highest Channel / 15MHz / 16QAM

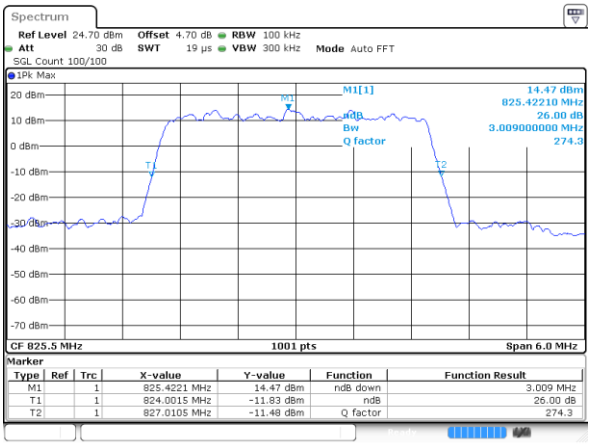


## LTE Band 26

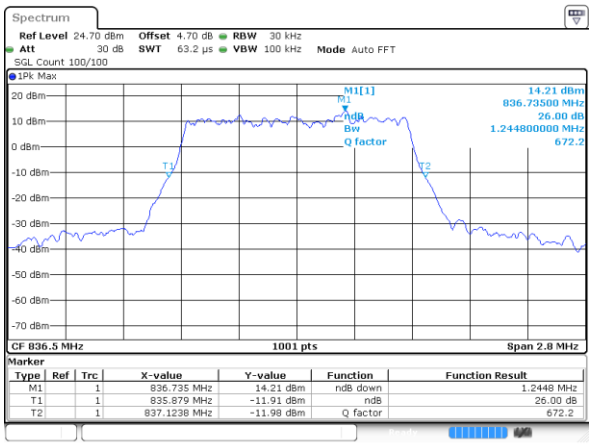
### Lowest Channel / 1.4MHz / 64QAM



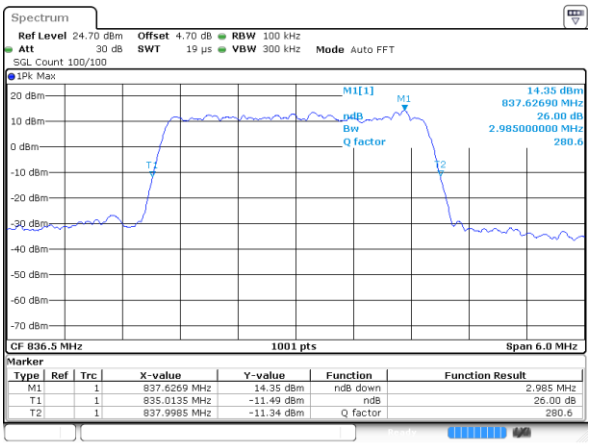

### Lowest Channel / 3MHz / 64QAM



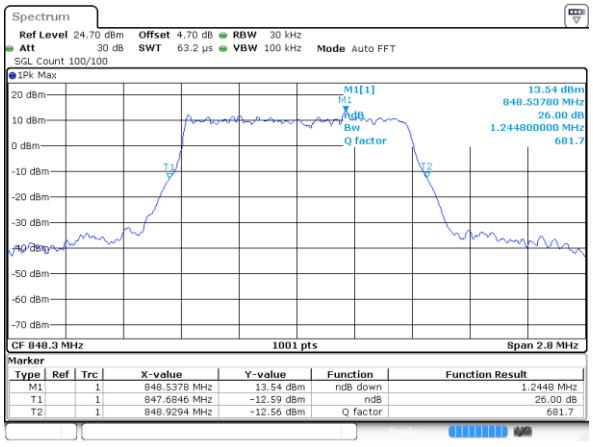

### Middle Channel / 1.4MHz / 64QAM



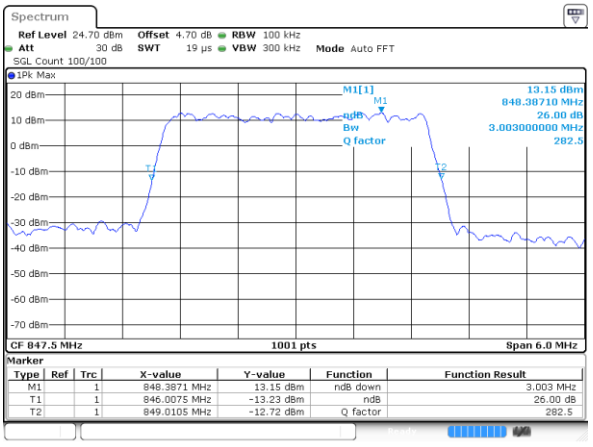

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 1.4MHz / 64QAM

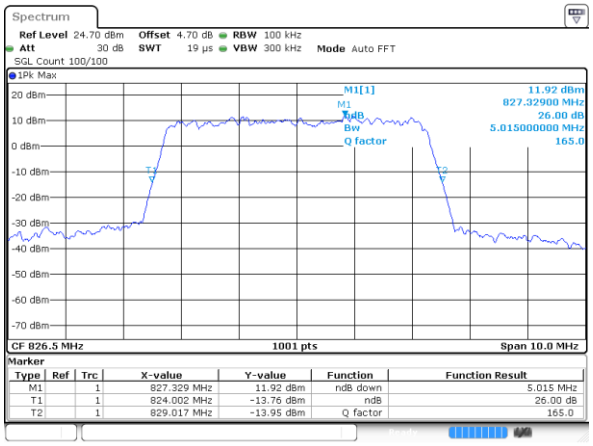



### Highest Channel / 3MHz / 64QAM

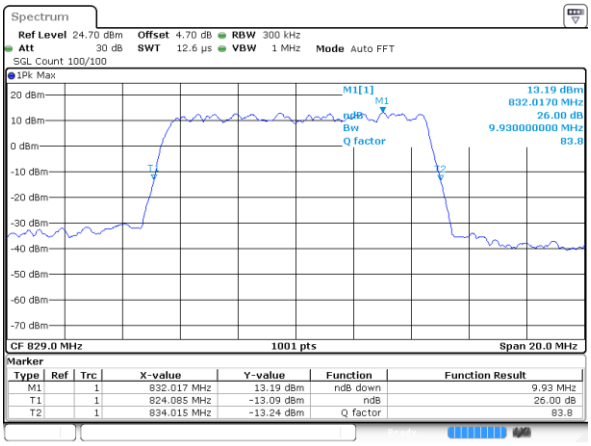


## LTE Band 26

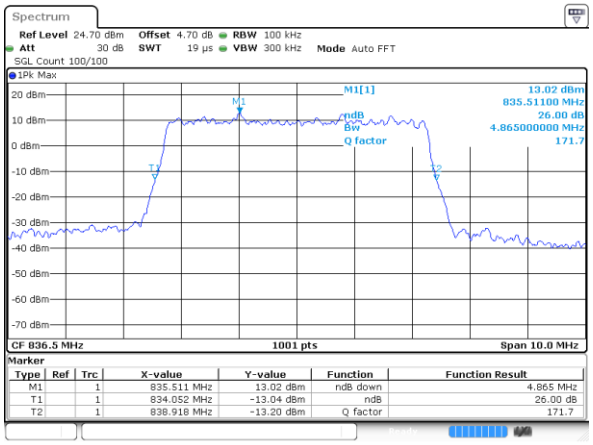
### Lowest Channel / 5MHz / 64QAM



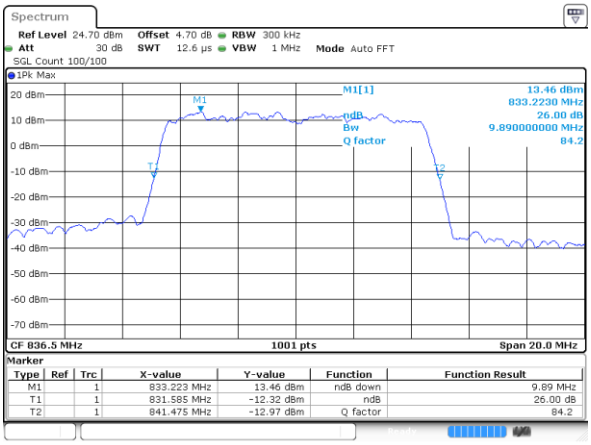

### Lowest Channel / 10MHz / 64QAM



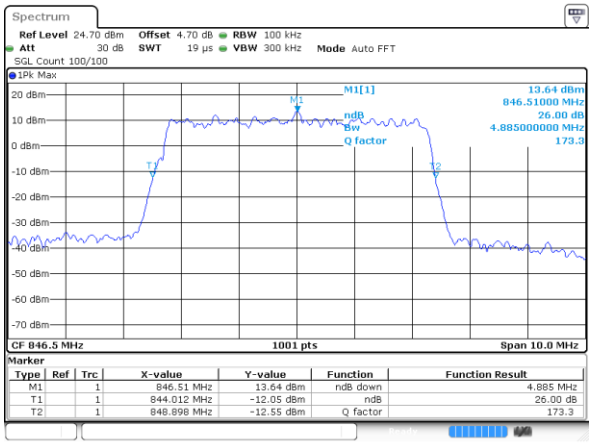

### Middle Channel / 5MHz / 64QAM



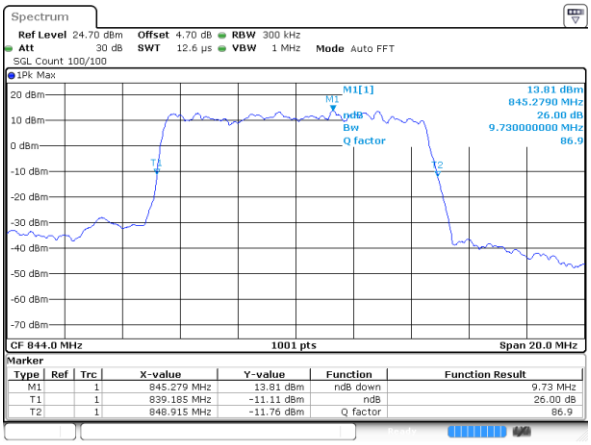

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

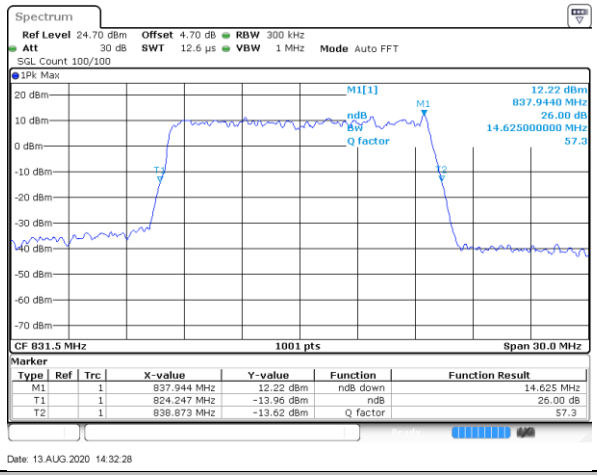



### Highest Channel / 10MHz / 64QAM

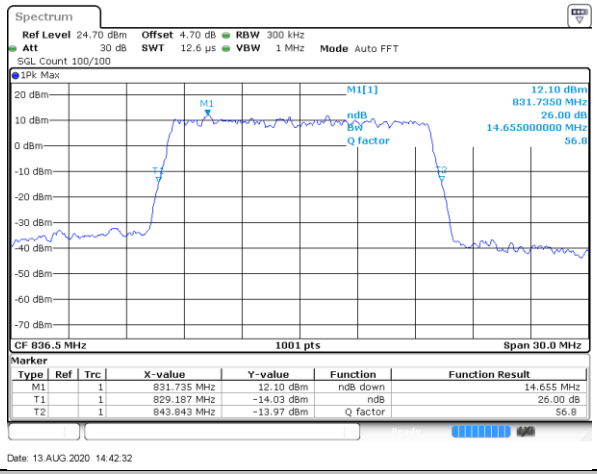


## LTE Band 26

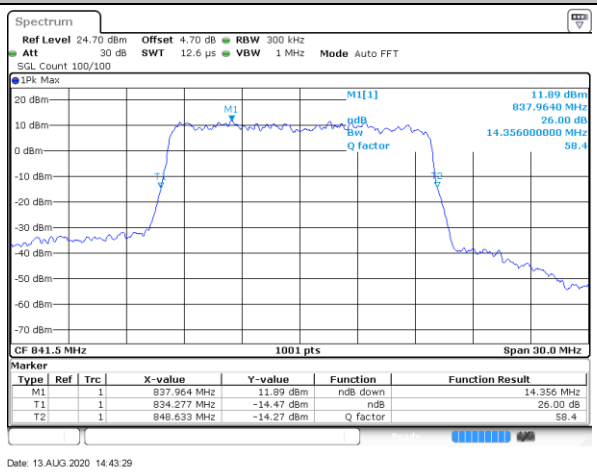
### Lowest Channel / 15MHz / 64QAM




### Middle Channel / 15MHz / 64QAM




### Highest Channel / 15MHz / 64QAM

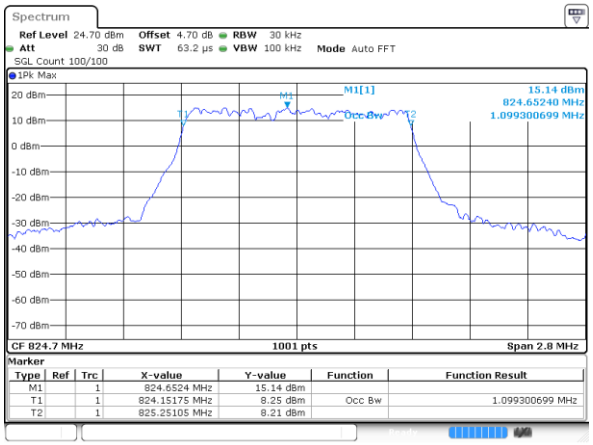


# Occupied Bandwidth

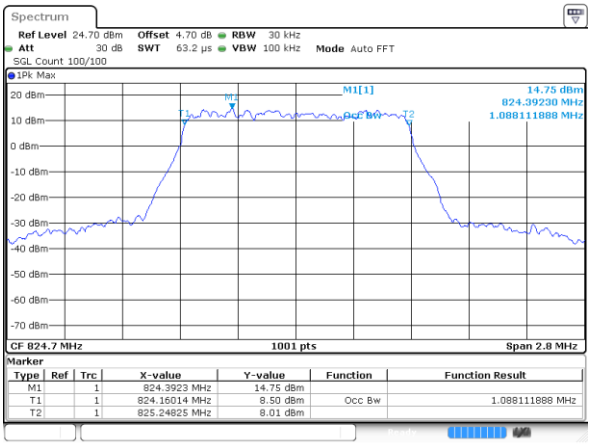
| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | CH26765 | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.10 | 1.09 | 2.71 | 2.72 | 4.49 | 4.51 | 8.97 | 8.95 | 13.49 | 13.49 | 13.46 | 13.43 |
| Middle CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.51 | 4.49 | 9.07 | 8.97 | 13.46 | 13.46 | - | - |
| Highest CH | 1.10 | 1.09 | 2.73 | 2.73 | 4.48 | 4.49 | 9.01 | 8.99 | 13.40 | 13.46 | - | - |
| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | CH26765 | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.10 | - | 2.72 | - | 4.48 | - | 9.03 | - | 13.43 | - | 13.46 | - |
| Middle CH | 1.10 | - | 2.72 | - | 4.50 | - | 9.05 | - | 13.40 | - | - | - |
| Highest CH | 1.09 | - | 2.72 | - | 4.50 | - | 9.01 | - | 13.43 | - | - | - |

## LTE Band 26

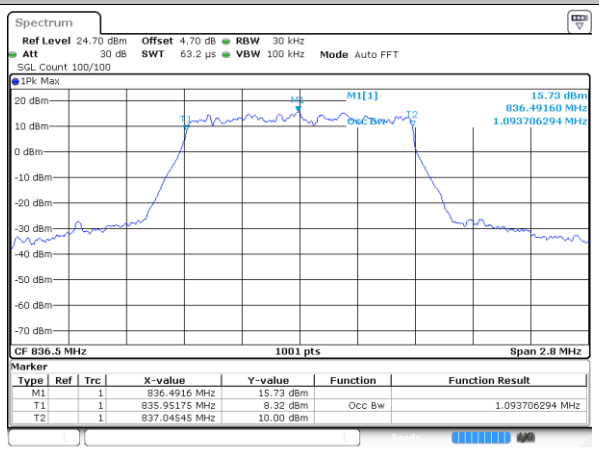
### Lowest Channel / 1.4MHz / QPSK



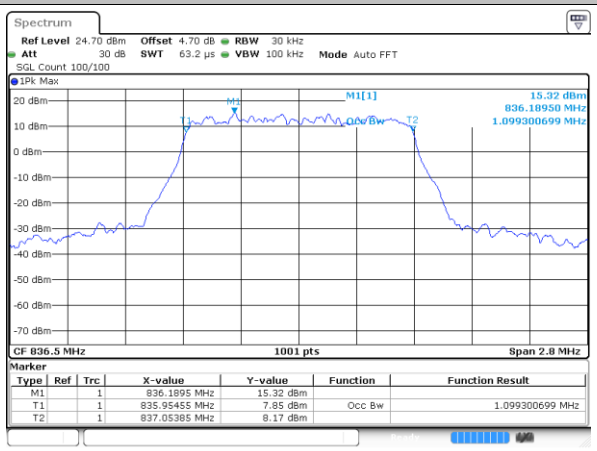

### Lowest Channel / 1.4MHz / 16QAM



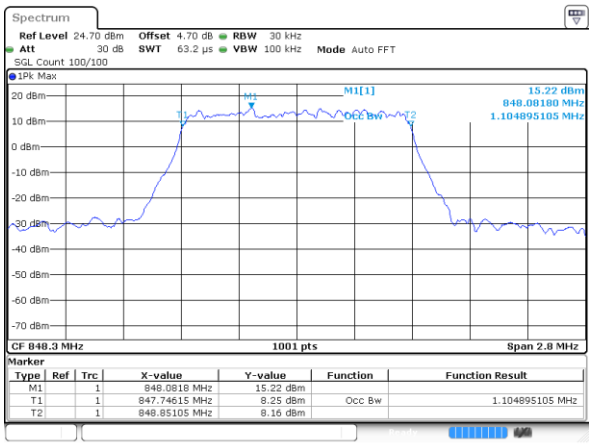

### Middle Channel / 1.4MHz / QPSK



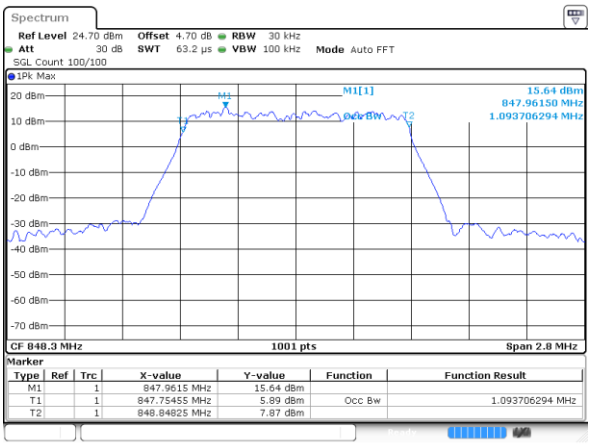

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

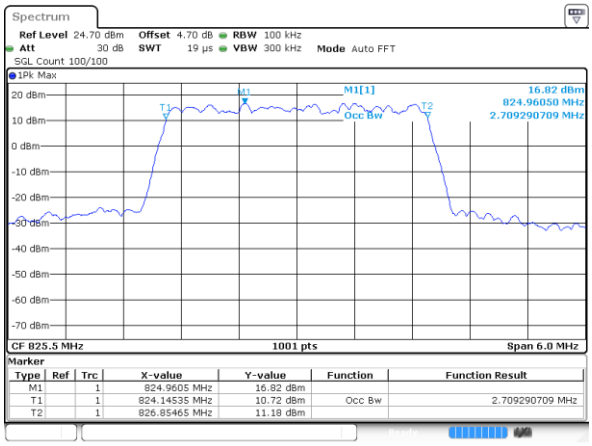



### Highest Channel / 1.4MHz / 16QAM



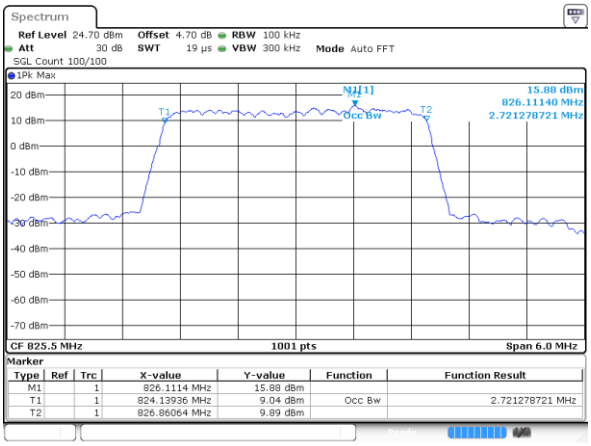
## LTE Band 26

### Lowest Channel / 3MHz / QPSK




Date: 13.AUG.2020 12:22:38

### Lowest Channel / 3MHz / 16QAM

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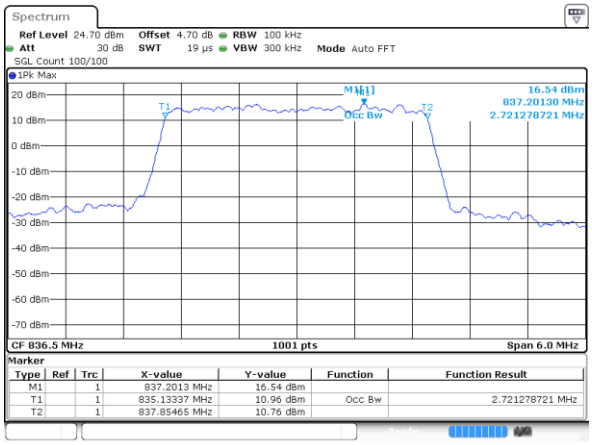
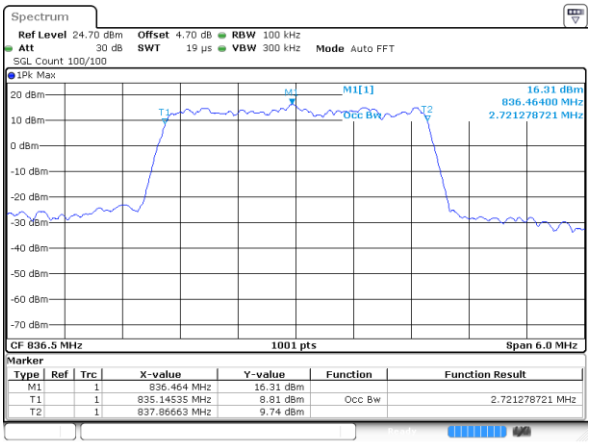
### Middle Channel / 3MHz / QPSK




Date: 13.AUG.2020 12:32:14

### Middle Channel / 3MHz / 16QAM

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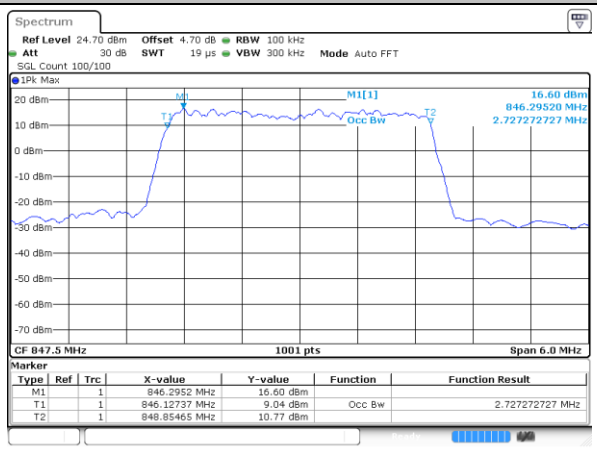
### Highest Channel / 3MHz / QPSK

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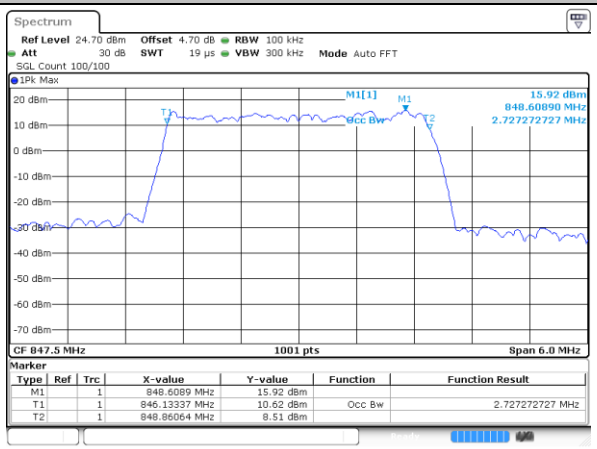
### Highest Channel / 3MHz / 16QAM

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