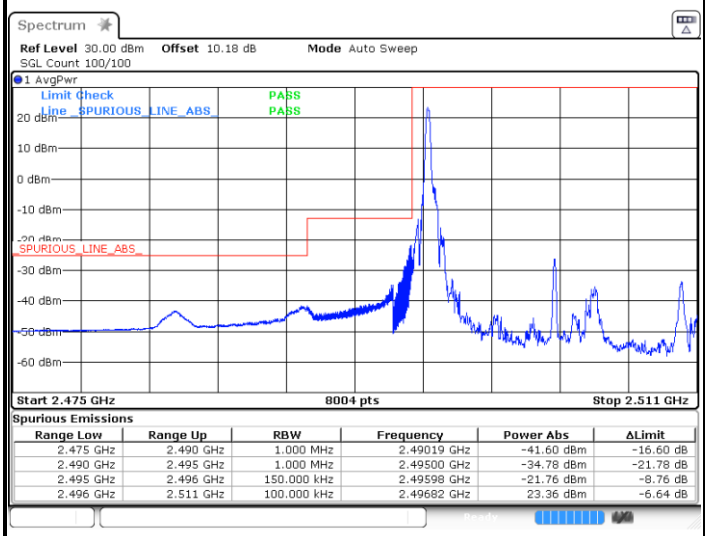
## LTE Band 41 / 15MHz / QPSK

### Lowest Band Edge / 1 RB

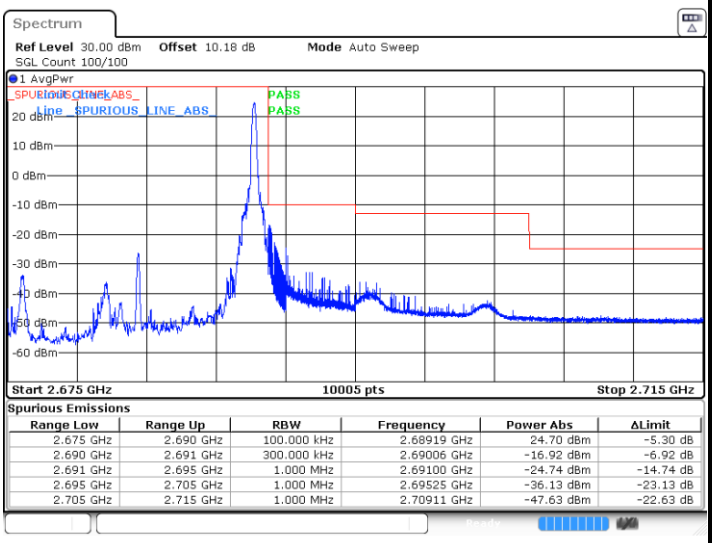



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49019 GHz | -41.60 dBm | -16.60 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49500 GHz | -34.78 dBm | -21.78 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49598 GHz | -21.76 dBm | -8.76 dB |
| 2.496 GHz | 2.511 GHz | 100.000 kHz | 2.49682 GHz | 23.36 dBm | -6.64 dB |

Date: 8.NOV.2019 15:27:03

### Highest Band Edge / 1 RB

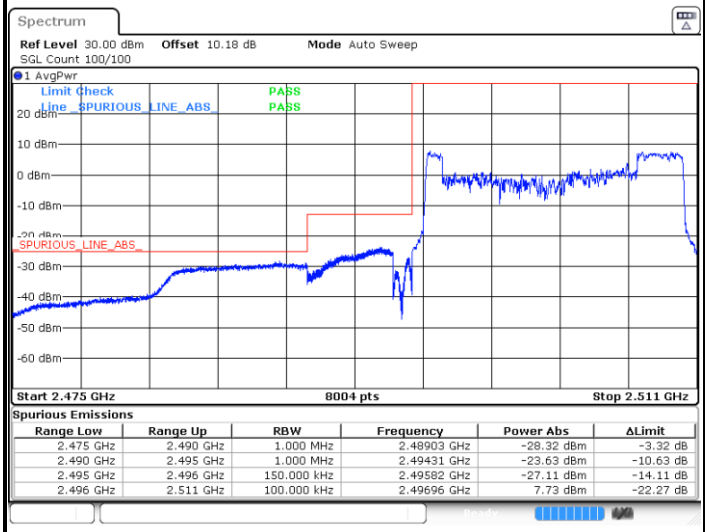



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.675 GHz | 2.690 GHz | 100.000 kHz | 2.68919 GHz | 24.70 dBm | -5.30 dB |
| 2.690 GHz | 2.691 GHz | 300.000 kHz | 2.69006 GHz | -16.92 dBm | -6.92 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69100 GHz | -24.74 dBm | -14.74 dB |
| 2.695 GHz | 2.705 GHz | 1.000 MHz | 2.69525 GHz | -36.13 dBm | -23.13 dB |
| 2.705 GHz | 2.715 GHz | 1.000 MHz | 2.70911 GHz | -47.63 dBm | -22.63 dB |

Date: 8.NOV.2019 15:37:02

### Lowest Band Edge / Full RB

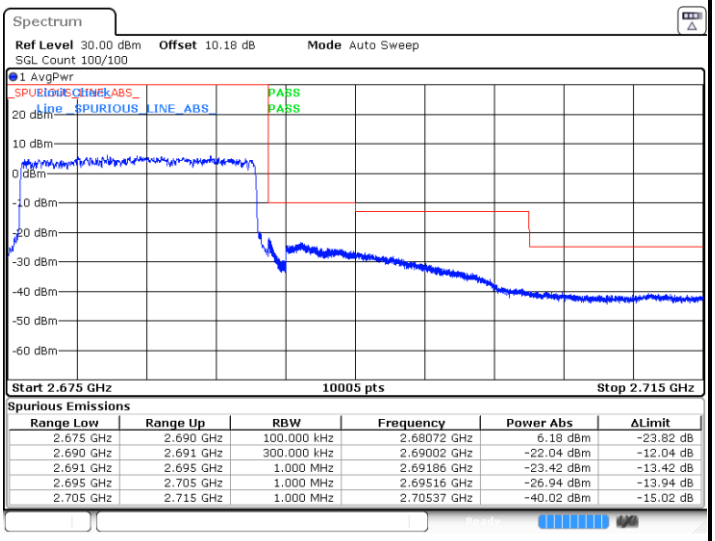



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48903 GHz | -28.32 dBm | -3.32 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49431 GHz | -23.63 dBm | -10.63 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49582 GHz | -27.11 dBm | -14.11 dB |
| 2.496 GHz | 2.511 GHz | 100.000 kHz | 2.49696 GHz | 7.73 dBm | -22.27 dB |

Date: 8.NOV.2019 15:30:55

### Highest Band Edge / Full RB



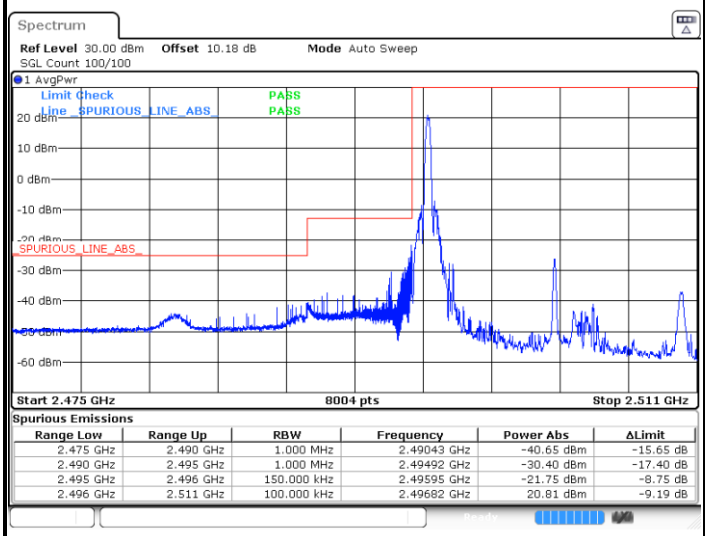

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.675 GHz | 2.690 GHz | 100.000 kHz | 2.68072 GHz | 6.18 dBm | -23.82 dB |
| 2.690 GHz | 2.691 GHz | 300.000 kHz | 2.69002 GHz | -22.04 dBm | -12.04 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69186 GHz | -23.42 dBm | -13.42 dB |
| 2.695 GHz | 2.705 GHz | 1.000 MHz | 2.69516 GHz | -26.94 dBm | -13.94 dB |
| 2.705 GHz | 2.715 GHz | 1.000 MHz | 2.70537 GHz | -40.02 dBm | -15.02 dB |

Date: 8.NOV.2019 15:38:18

## LTE Band 41 / 15MHz / 16QAM

### Lowest Band Edge / 1 RB

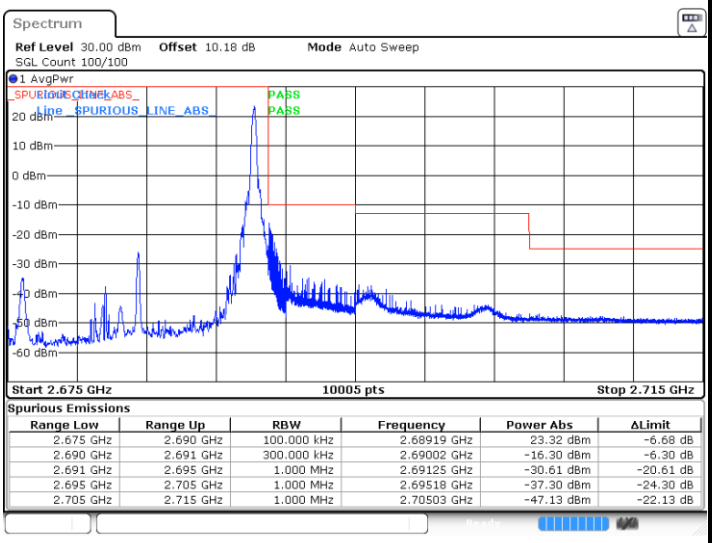



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49043 GHz | -40.65 dBm | -15.65 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49492 GHz | -30.40 dBm | -17.40 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49595 GHz | -21.75 dBm | -8.75 dB |
| 2.496 GHz | 2.511 GHz | 100.000 kHz | 2.49682 GHz | 20.81 dBm | -9.19 dB |

Date: 8.NOV.2019 15:28:17

### Highest Band Edge / 1 RB

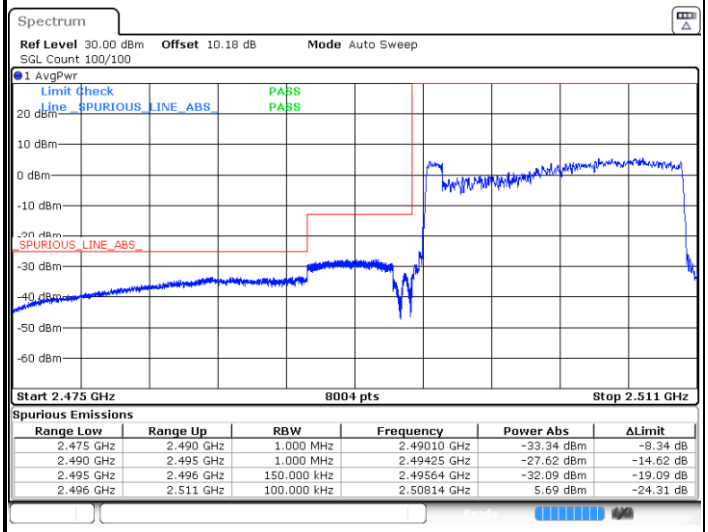



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.675 GHz | 2.690 GHz | 100.000 kHz | 2.68919 GHz | 23.32 dBm | -6.68 dB |
| 2.690 GHz | 2.691 GHz | 300.000 kHz | 2.69002 GHz | -16.30 dBm | -6.30 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69125 GHz | -30.61 dBm | -20.61 dB |
| 2.695 GHz | 2.705 GHz | 1.000 MHz | 2.69518 GHz | -37.30 dBm | -24.30 dB |
| 2.705 GHz | 2.715 GHz | 1.000 MHz | 2.70503 GHz | -47.13 dBm | -22.13 dB |

Date: 8.NOV.2019 15:37:22

### Lowest Band Edge / Full RB

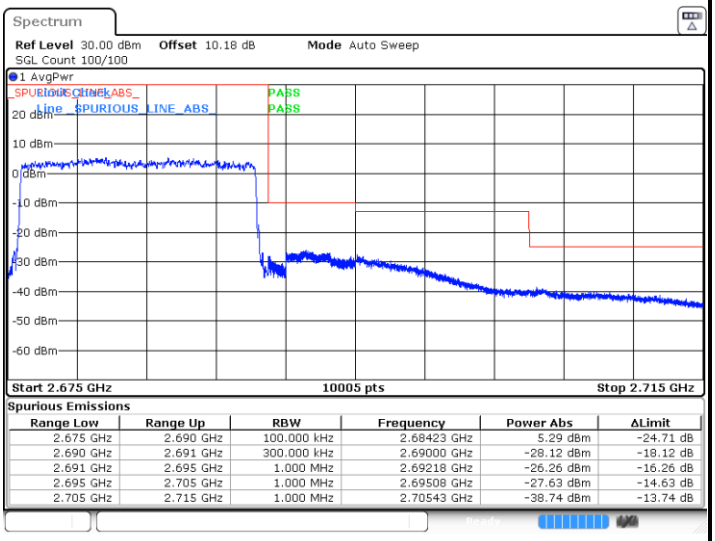



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49010 GHz | -33.34 dBm | -8.34 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49425 GHz | -27.62 dBm | -14.62 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49564 GHz | -32.09 dBm | -19.09 dB |
| 2.496 GHz | 2.511 GHz | 100.000 kHz | 2.50814 GHz | 5.69 dBm | -24.31 dB |

Date: 8.NOV.2019 15:30:41

### Highest Band Edge / Full RB



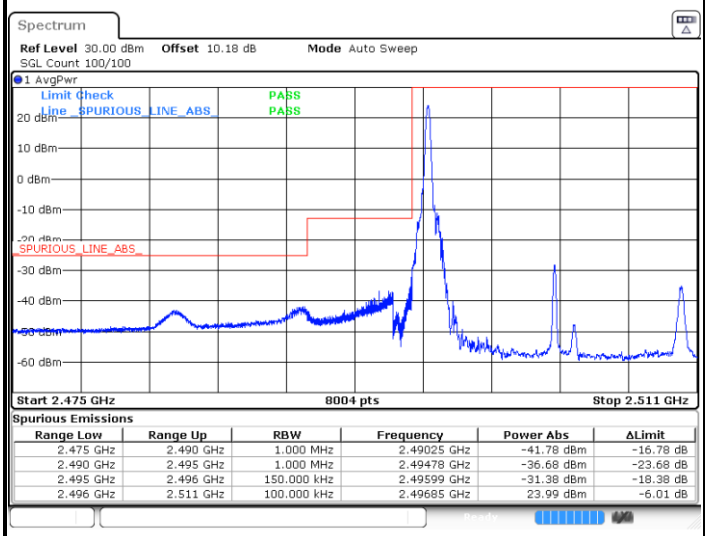

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.675 GHz | 2.690 GHz | 100.000 kHz | 2.68423 GHz | 5.29 dBm | -24.71 dB |
| 2.690 GHz | 2.691 GHz | 300.000 kHz | 2.69000 GHz | -28.12 dBm | -18.12 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69218 GHz | -26.26 dBm | -16.26 dB |
| 2.695 GHz | 2.705 GHz | 1.000 MHz | 2.69508 GHz | -27.63 dBm | -14.63 dB |
| 2.705 GHz | 2.715 GHz | 1.000 MHz | 2.70543 GHz | -38.74 dBm | -13.74 dB |

Date: 8.NOV.2019 15:38:04

## LTE Band 41 / 15MHz / 64QAM

### Lowest Band Edge / 1 RB

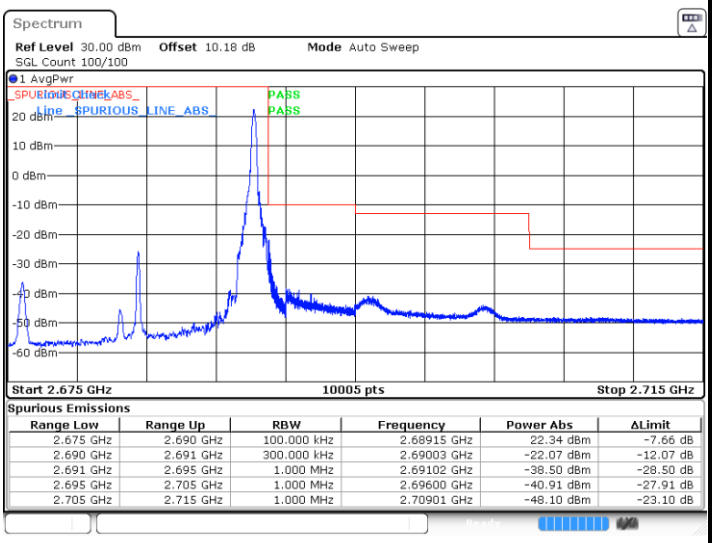



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49025 GHz | -41.78 dBm | -16.78 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49478 GHz | -36.68 dBm | -23.68 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49599 GHz | -31.38 dBm | -18.38 dB |
| 2.496 GHz | 2.511 GHz | 100.000 kHz | 2.49685 GHz | 23.99 dBm | -6.01 dB |

Date: 8.NOV.2019 15:29:23

### Highest Band Edge / 1 RB

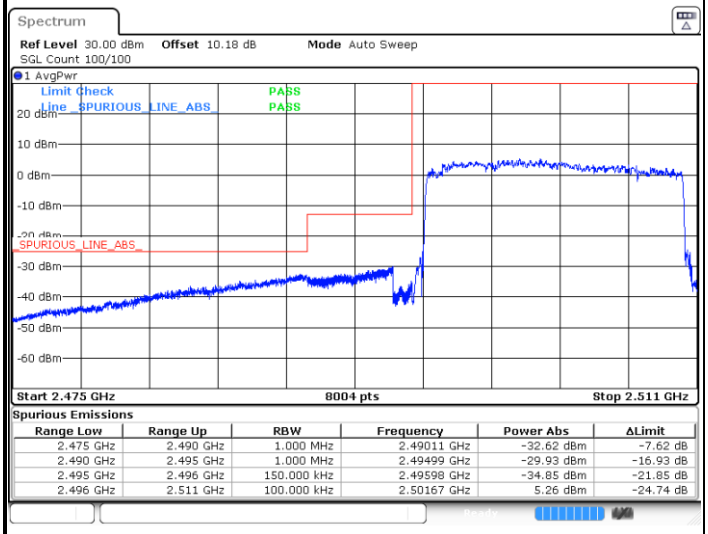



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.675 GHz | 2.690 GHz | 100.000 kHz | 2.68915 GHz | 22.34 dBm | -7.66 dB |
| 2.690 GHz | 2.691 GHz | 300.000 kHz | 2.69003 GHz | -22.07 dBm | -12.07 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69102 GHz | -38.50 dBm | -28.50 dB |
| 2.695 GHz | 2.705 GHz | 1.000 MHz | 2.69600 GHz | -40.91 dBm | -27.91 dB |
| 2.705 GHz | 2.715 GHz | 1.000 MHz | 2.70901 GHz | -48.10 dBm | -23.10 dB |

Date: 8.NOV.2019 15:37:36

### Lowest Band Edge / Full RB

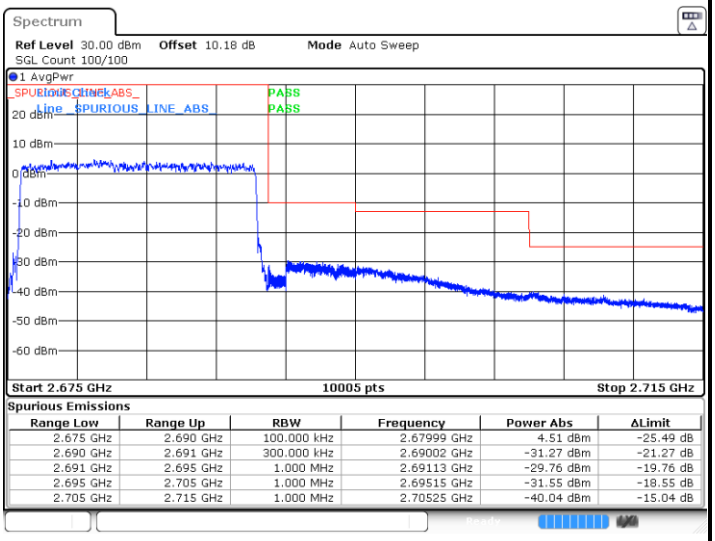



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49011 GHz | -32.62 dBm | -7.62 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49499 GHz | -29.93 dBm | -16.93 dB |
| 2.495 GHz | 2.496 GHz | 150.000 kHz | 2.49598 GHz | -34.85 dBm | -21.85 dB |
| 2.496 GHz | 2.511 GHz | 100.000 kHz | 2.50167 GHz | 5.26 dBm | -24.74 dB |

Date: 8.NOV.2019 15:30:27

### Highest Band Edge / Full RB



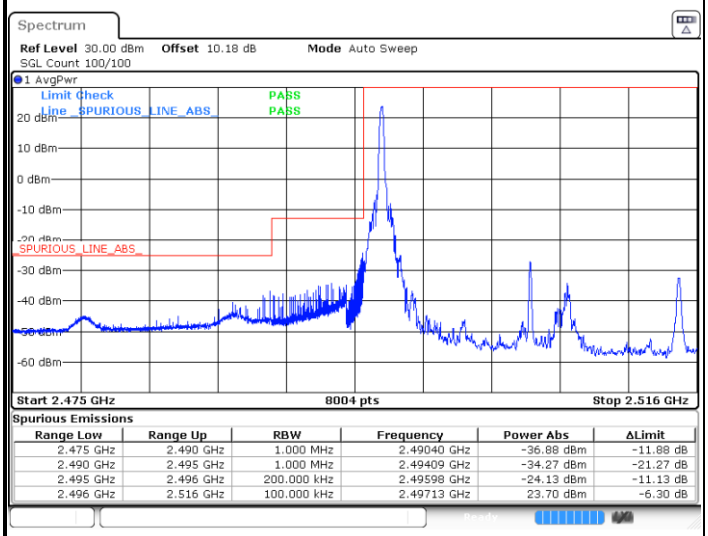

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.675 GHz | 2.690 GHz | 100.000 kHz | 2.67999 GHz | 4.51 dBm | -25.49 dB |
| 2.690 GHz | 2.691 GHz | 300.000 kHz | 2.69002 GHz | -31.27 dBm | -21.27 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69113 GHz | -29.76 dBm | -19.76 dB |
| 2.695 GHz | 2.705 GHz | 1.000 MHz | 2.69515 GHz | -31.55 dBm | -18.55 dB |
| 2.705 GHz | 2.715 GHz | 1.000 MHz | 2.70525 GHz | -40.04 dBm | -15.04 dB |

Date: 8.NOV.2019 15:37:50

## LTE Band 41 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

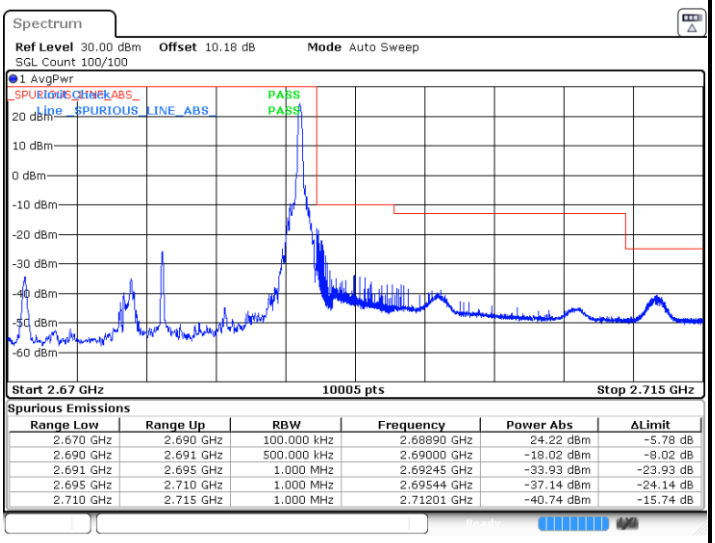



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49040 GHz | -36.88 dBm | -11.88 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49409 GHz | -34.27 dBm | -21.27 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49598 GHz | -24.13 dBm | -11.13 dB |
| 2.496 GHz | 2.516 GHz | 100.000 kHz | 2.49713 GHz | 23.70 dBm | -6.30 dB |

Date: 8.NOV.2019 15:38:48

### Highest Band Edge / 1 RB

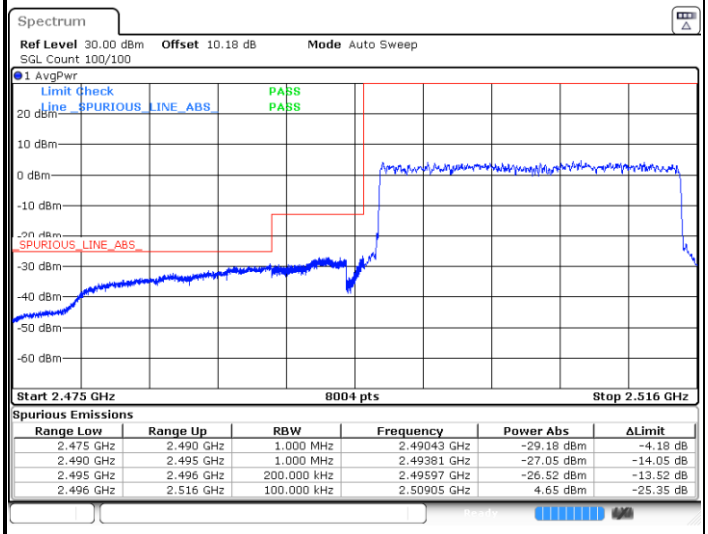



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.670 GHz | 2.690 GHz | 100.000 kHz | 2.68890 GHz | 24.22 dBm | -5.78 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69000 GHz | -18.02 dBm | -8.02 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69245 GHz | -33.93 dBm | -23.93 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69544 GHz | -37.14 dBm | -24.14 dB |
| 2.710 GHz | 2.715 GHz | 1.000 MHz | 2.71201 GHz | -40.74 dBm | -15.74 dB |

Date: 8.NOV.2019 15:51:04

### Lowest Band Edge / Full RB

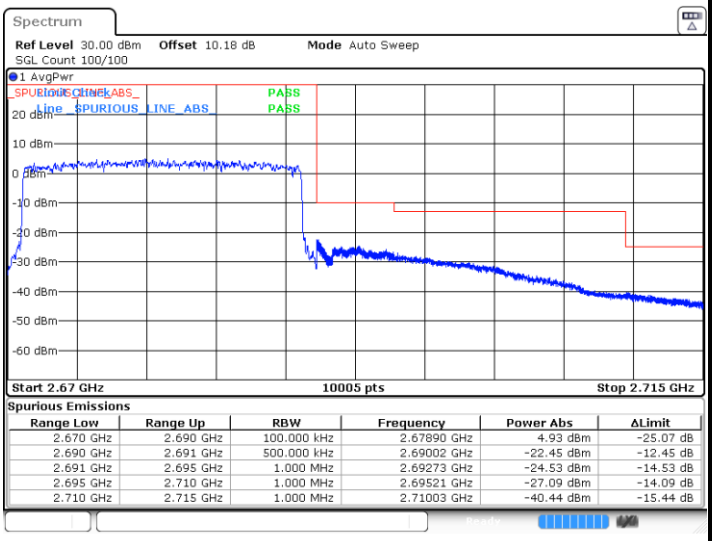



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49043 GHz | -29.18 dBm | -4.18 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49381 GHz | -27.05 dBm | -14.05 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49597 GHz | -26.52 dBm | -13.52 dB |
| 2.496 GHz | 2.516 GHz | 100.000 kHz | 2.50905 GHz | 4.65 dBm | -25.35 dB |

Date: 8.NOV.2019 15:42:41

### Highest Band Edge / Full RB



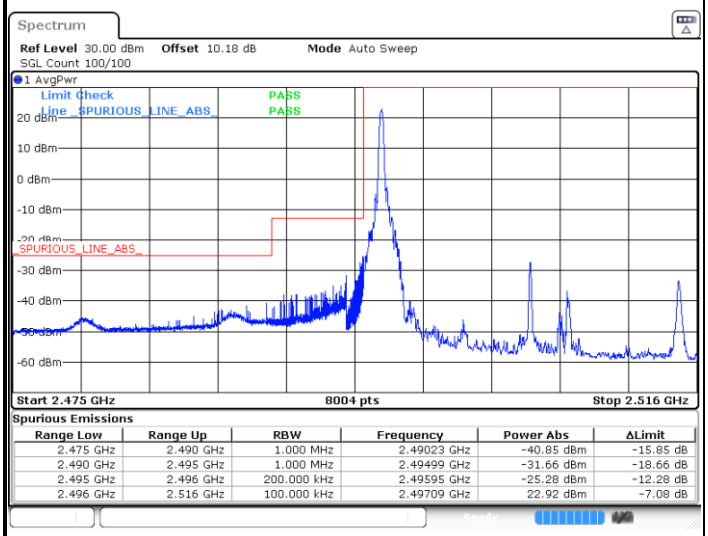

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.670 GHz | 2.690 GHz | 100.000 kHz | 2.67890 GHz | 4.93 dBm | -25.07 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69002 GHz | -22.45 dBm | -12.45 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69273 GHz | -24.53 dBm | -14.53 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69521 GHz | -27.09 dBm | -14.09 dB |
| 2.710 GHz | 2.715 GHz | 1.000 MHz | 2.71003 GHz | -40.44 dBm | -15.44 dB |

Date: 8.NOV.2019 15:52:24

## LTE Band 41 / 20MHz / 16QAM

### Lowest Band Edge / 1 RB

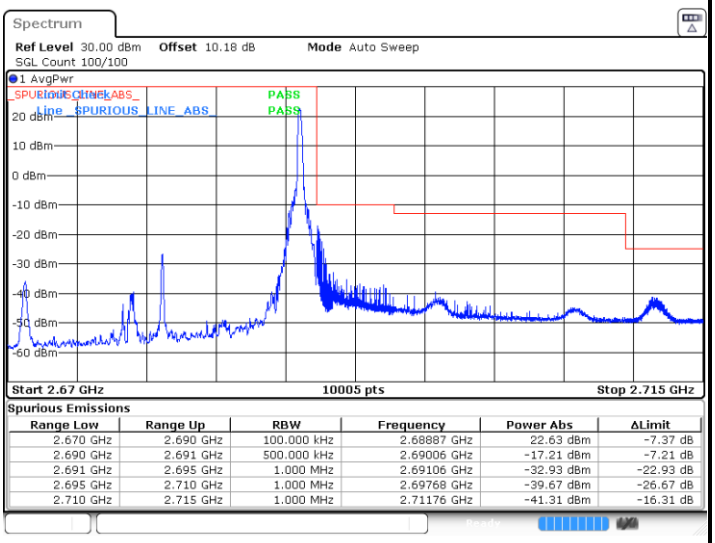



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49023 GHz | -40.85 dBm | -15.85 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49499 GHz | -31.66 dBm | -18.66 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49595 GHz | -25.28 dBm | -12.28 dB |
| 2.496 GHz | 2.516 GHz | 100.000 kHz | 2.49709 GHz | 22.92 dBm | -7.08 dB |

Date: 8.NOV.2019 15:39:54

### Highest Band Edge / 1 RB

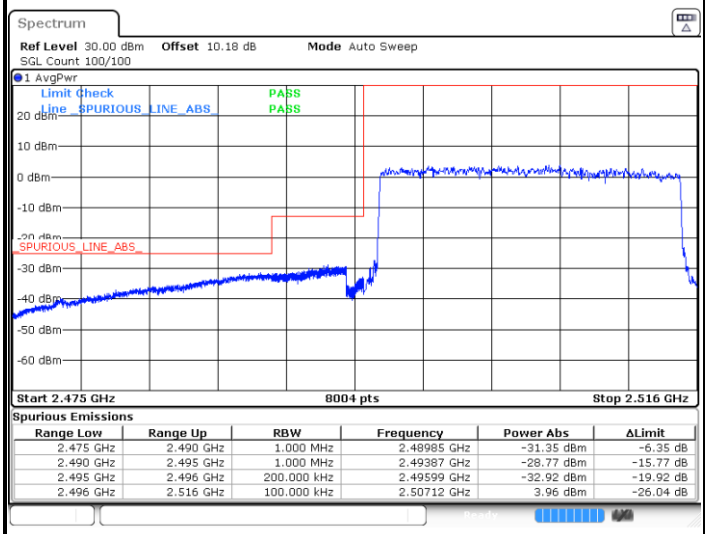



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.670 GHz | 2.690 GHz | 100.000 kHz | 2.68887 GHz | 22.63 dBm | -7.37 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69006 GHz | -17.21 dBm | -7.21 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69106 GHz | -32.93 dBm | -22.93 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69768 GHz | -39.67 dBm | -26.67 dB |
| 2.710 GHz | 2.715 GHz | 1.000 MHz | 2.71176 GHz | -41.31 dBm | -16.31 dB |

Date: 8.NOV.2019 15:51:18

### Lowest Band Edge / Full RB

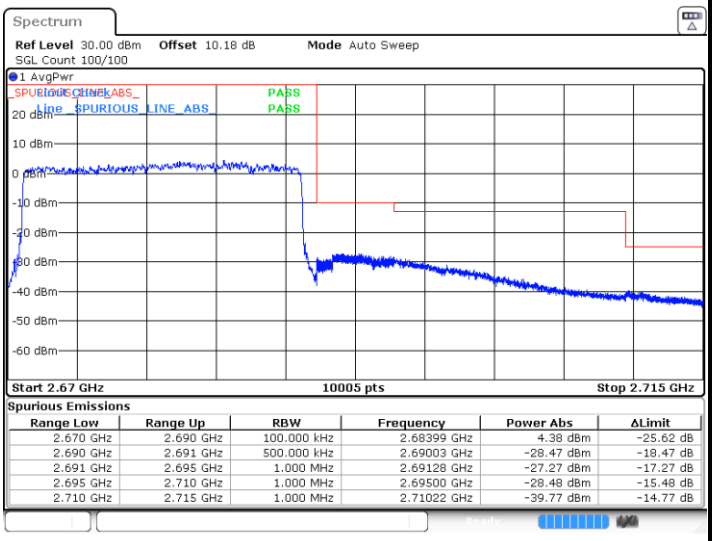



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48985 GHz | -31.35 dBm | -6.35 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49387 GHz | -28.77 dBm | -15.77 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49599 GHz | -32.92 dBm | -19.92 dB |
| 2.496 GHz | 2.516 GHz | 100.000 kHz | 2.50712 GHz | 3.96 dBm | -26.04 dB |

Date: 8.NOV.2019 15:42:28

### Highest Band Edge / Full RB



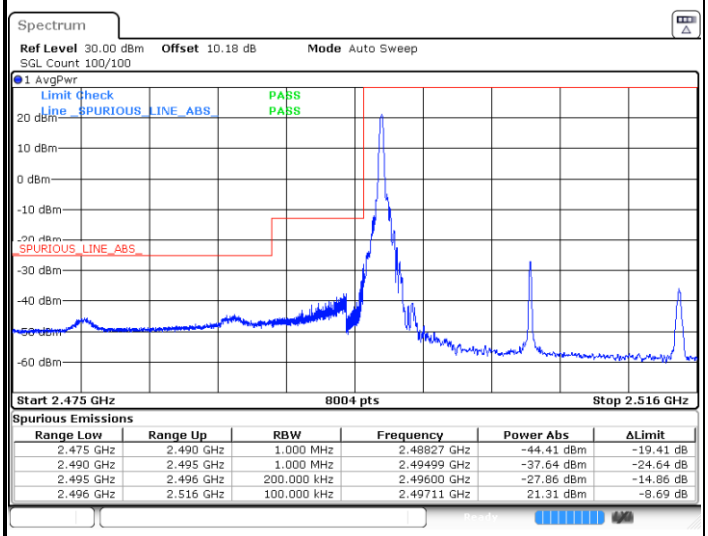

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.670 GHz | 2.690 GHz | 100.000 kHz | 2.68399 GHz | 4.38 dBm | -25.62 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69003 GHz | -28.47 dBm | -18.47 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69128 GHz | -27.27 dBm | -17.27 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69500 GHz | -28.48 dBm | -15.48 dB |
| 2.710 GHz | 2.715 GHz | 1.000 MHz | 2.71022 GHz | -39.77 dBm | -14.77 dB |

Date: 8.NOV.2019 15:52:00

## LTE Band 41 / 20MHz / 64QAM

### Lowest Band Edge / 1 RB

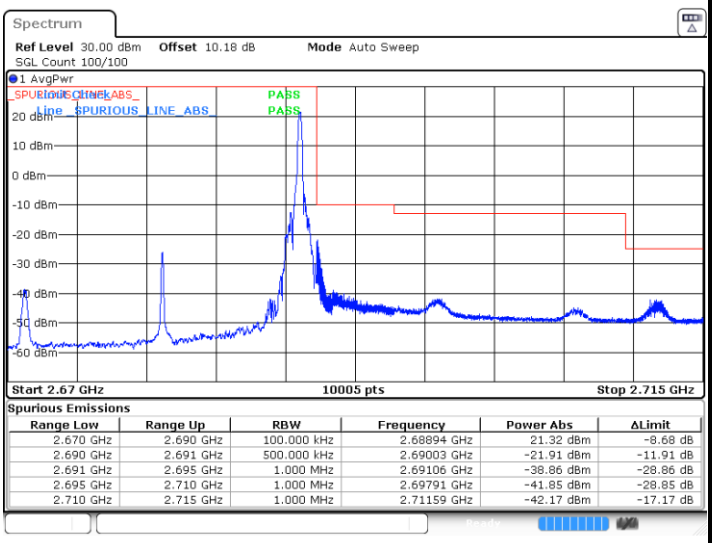



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48827 GHz | -44.41 dBm | -19.41 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49499 GHz | -37.64 dBm | -24.64 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49600 GHz | -27.86 dBm | -14.86 dB |
| 2.496 GHz | 2.516 GHz | 100.000 kHz | 2.49711 GHz | 21.31 dBm | -8.69 dB |

Date: 8.NOV.2019 15:40:58

### Highest Band Edge / 1 RB

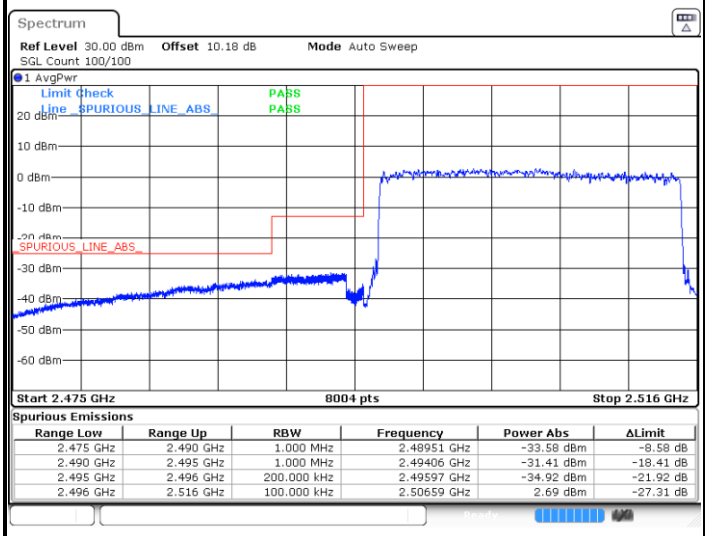



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.670 GHz | 2.690 GHz | 100.000 kHz | 2.68894 GHz | 21.32 dBm | -8.68 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69003 GHz | -21.91 dBm | -11.91 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69106 GHz | -38.86 dBm | -28.86 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69791 GHz | -41.85 dBm | -28.85 dB |
| 2.710 GHz | 2.715 GHz | 1.000 MHz | 2.71159 GHz | -42.17 dBm | -17.17 dB |

Date: 8.NOV.2019 15:51:32

### Lowest Band Edge / Full RB

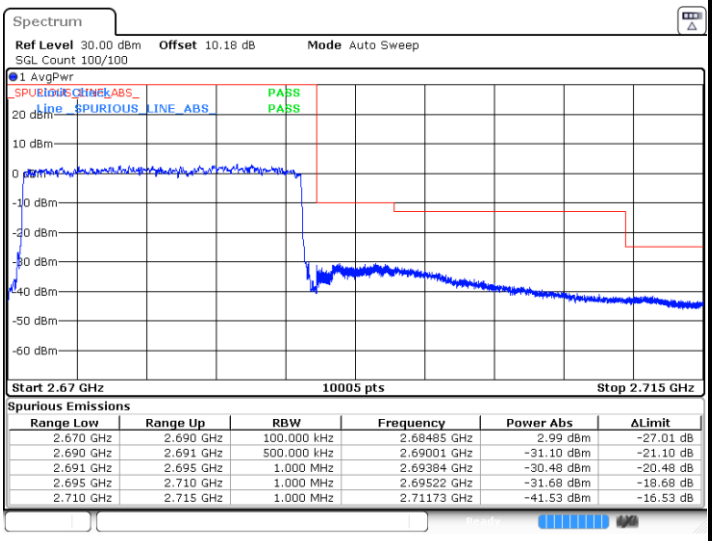



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48951 GHz | -33.58 dBm | -8.58 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49406 GHz | -31.41 dBm | -18.41 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49597 GHz | -34.92 dBm | -21.92 dB |
| 2.496 GHz | 2.516 GHz | 100.000 kHz | 2.50659 GHz | 2.69 dBm | -27.31 dB |

Date: 8.NOV.2019 15:42:10

### Highest Band Edge / Full RB




Spurious Emissions

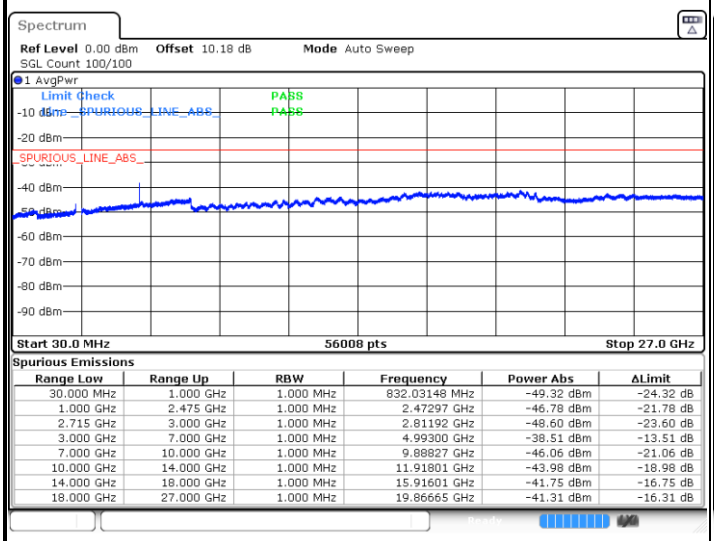
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.670 GHz | 2.690 GHz | 100.000 kHz | 2.68485 GHz | 2.99 dBm | -27.01 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69001 GHz | -31.10 dBm | -21.10 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69384 GHz | -30.48 dBm | -20.48 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69522 GHz | -31.68 dBm | -18.68 dB |
| 2.710 GHz | 2.715 GHz | 1.000 MHz | 2.71173 GHz | -41.53 dBm | -16.53 dB |

Date: 8.NOV.2019 15:51:47

# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

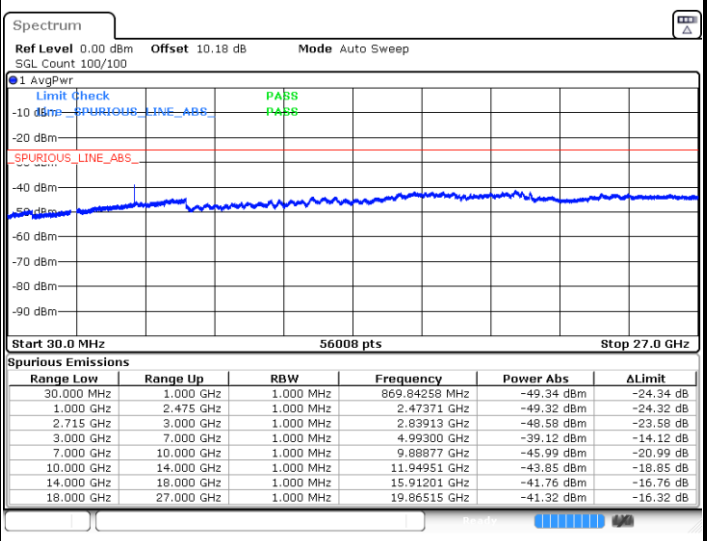



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 832.03148 MHz | -49.32 dBm | -24.32 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47297 GHz | -46.78 dBm | -21.78 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.81192 GHz | -48.60 dBm | -23.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99300 GHz | -38.51 dBm | -13.51 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.88827 GHz | -46.06 dBm | -21.06 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.91801 GHz | -43.98 dBm | -18.98 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91601 GHz | -41.75 dBm | -16.75 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86665 GHz | -41.31 dBm | -16.31 dB |

Date: 8.NOV.2019 14:52:59

### Lowest Channel / 16QAM

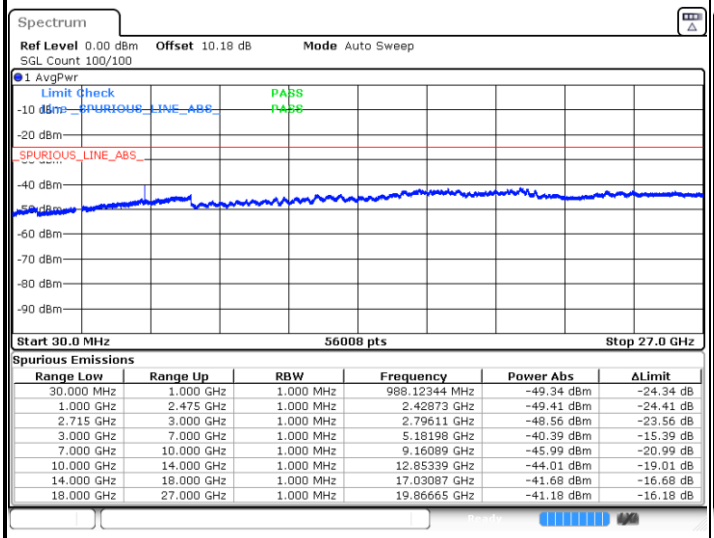



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 869.84258 MHz | -49.34 dBm | -24.34 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47371 GHz | -49.32 dBm | -24.32 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.83913 GHz | -48.58 dBm | -23.58 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99300 GHz | -39.12 dBm | -14.12 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.88877 GHz | -45.99 dBm | -20.99 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94951 GHz | -43.85 dBm | -18.85 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91201 GHz | -41.76 dBm | -16.76 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86515 GHz | -41.32 dBm | -16.32 dB |

Date: 8.NOV.2019 14:53:53

### Middle Channel / QPSK

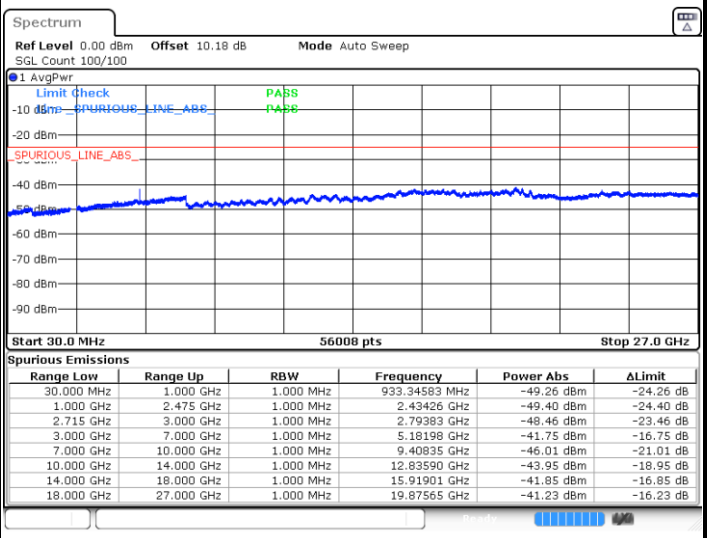



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 988.12344 MHz | -49.34 dBm | -24.34 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.42873 GHz | -49.41 dBm | -24.41 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79611 GHz | -48.56 dBm | -23.56 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18198 GHz | -40.39 dBm | -15.39 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16089 GHz | -45.99 dBm | -20.99 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.85339 GHz | -44.01 dBm | -19.01 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03087 GHz | -41.68 dBm | -16.68 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86665 GHz | -41.18 dBm | -16.18 dB |

Date: 8.NOV.2019 14:54:48

### Middle Channel / 16QAM



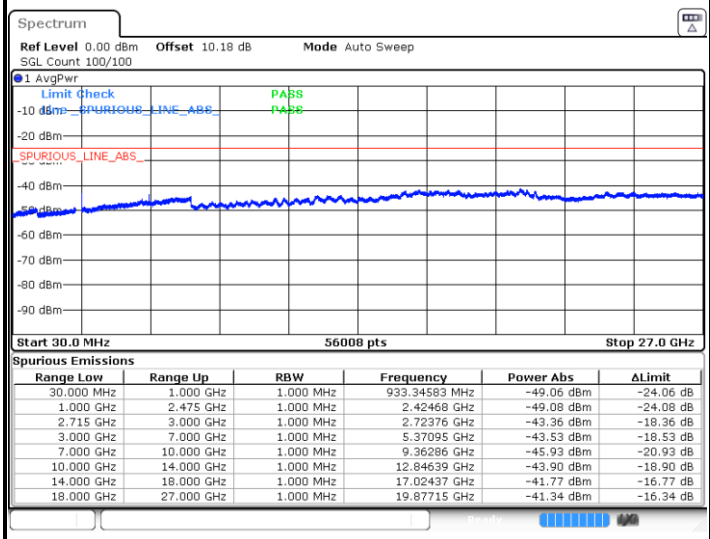

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 933.34583 MHz | -49.26 dBm | -24.26 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.43426 GHz | -49.40 dBm | -24.40 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79383 GHz | -48.46 dBm | -23.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18198 GHz | -41.75 dBm | -16.75 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40835 GHz | -46.01 dBm | -21.01 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.83590 GHz | -43.95 dBm | -18.95 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91901 GHz | -41.85 dBm | -16.85 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87565 GHz | -41.23 dBm | -16.23 dB |

Date: 8.NOV.2019 14:55:42

## LTE Band 41 / 5MHz

### Highest Channel / QPSK

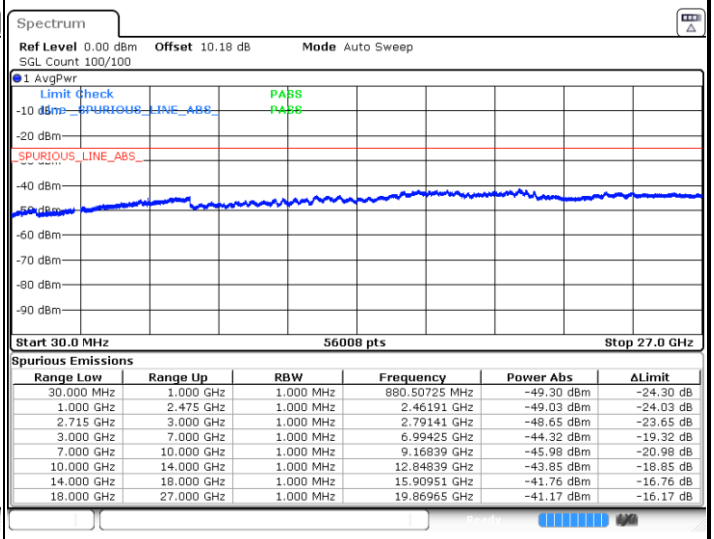



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 933.34583 MHz | -49.06 dBm | -24.06 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.42468 GHz | -49.08 dBm | -24.08 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72376 GHz | -43.36 dBm | -18.36 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.37095 GHz | -43.53 dBm | -18.53 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.36286 GHz | -45.93 dBm | -20.93 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84639 GHz | -43.90 dBm | -18.90 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02437 GHz | -41.77 dBm | -16.77 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87715 GHz | -41.34 dBm | -16.34 dB |

Date: 8.NOV.2019 15:11:36

### Highest Channel / 16QAM



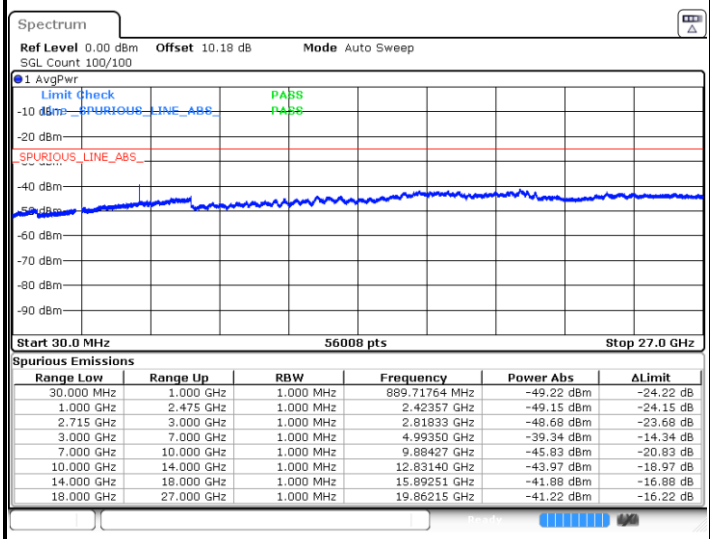

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 880.50725 MHz | -49.30 dBm | -24.30 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46191 GHz | -49.03 dBm | -24.03 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79141 GHz | -48.65 dBm | -23.65 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99425 GHz | -44.32 dBm | -19.32 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16839 GHz | -45.98 dBm | -20.98 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84839 GHz | -43.85 dBm | -18.85 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90951 GHz | -41.76 dBm | -16.76 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86965 GHz | -41.17 dBm | -16.17 dB |

Date: 8.NOV.2019 15:10:45

## LTE Band 41 / 10MHz

### Lowest Channel / QPSK

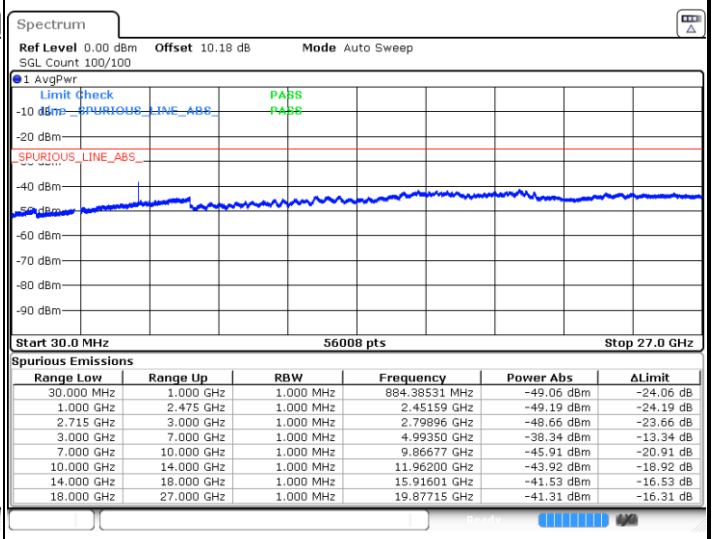



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 889.71764 MHz | -49.22 dBm | -24.22 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.42357 GHz | -49.15 dBm | -24.15 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.81833 GHz | -48.68 dBm | -23.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99350 GHz | -39.34 dBm | -14.34 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.88427 GHz | -45.83 dBm | -20.83 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.83140 GHz | -43.97 dBm | -18.97 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.89251 GHz | -41.88 dBm | -16.88 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86215 GHz | -41.22 dBm | -16.22 dB |

Date: 8.NOV.2019 15:12:51

### Lowest Channel / 16QAM



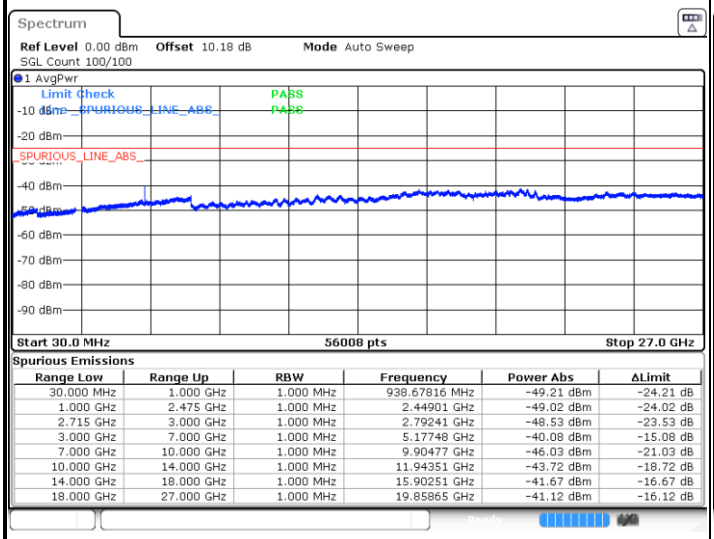

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 884.38531 MHz | -49.06 dBm | -24.06 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45159 GHz | -49.19 dBm | -24.19 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79896 GHz | -48.66 dBm | -23.66 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99350 GHz | -38.34 dBm | -13.34 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.86677 GHz | -45.91 dBm | -20.91 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.96200 GHz | -43.92 dBm | -18.92 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91601 GHz | -41.53 dBm | -16.53 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87715 GHz | -41.31 dBm | -16.31 dB |

Date: 8.NOV.2019 15:14:37

## LTE Band 41 / 10MHz

### Middle Channel / QPSK

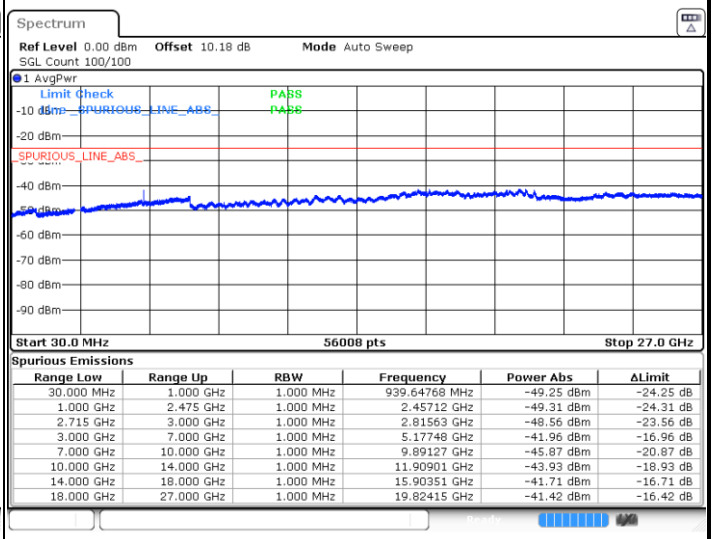



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 938.67816 MHz | -49.21 dBm | -24.21 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44901 GHz | -49.02 dBm | -24.02 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79241 GHz | -48.53 dBm | -23.53 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17748 GHz | -40.08 dBm | -15.08 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.90477 GHz | -46.03 dBm | -21.03 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94351 GHz | -43.72 dBm | -18.72 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90251 GHz | -41.67 dBm | -16.67 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85865 GHz | -41.12 dBm | -16.12 dB |

Date: 8.NOV.2019 15:18:21

### Middle Channel / 16QAM

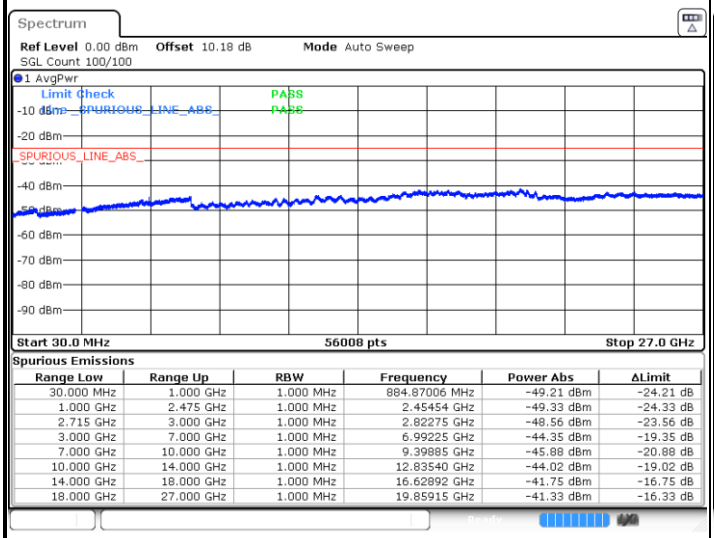



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 939.64768 MHz | -49.25 dBm | -24.25 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45712 GHz | -49.31 dBm | -24.31 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.81563 GHz | -48.56 dBm | -23.56 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17748 GHz | -41.96 dBm | -16.96 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.89127 GHz | -45.87 dBm | -20.87 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.90901 GHz | -43.93 dBm | -18.93 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90351 GHz | -41.71 dBm | -16.71 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.82415 GHz | -41.42 dBm | -16.42 dB |

Date: 8.NOV.2019 15:19:17

### Highest Channel / QPSK

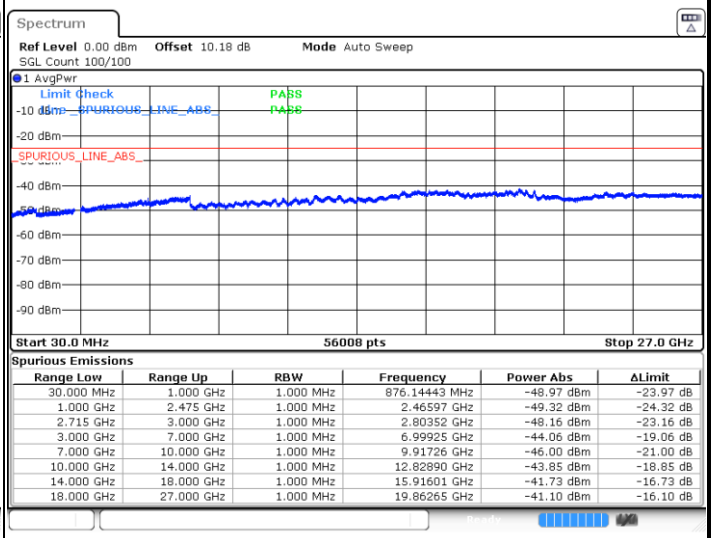



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 884.87006 MHz | -49.21 dBm | -24.21 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45454 GHz | -49.33 dBm | -24.33 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.82275 GHz | -48.56 dBm | -23.56 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99225 GHz | -44.35 dBm | -19.35 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.39885 GHz | -45.88 dBm | -20.88 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.83540 GHz | -44.02 dBm | -19.02 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.62892 GHz | -41.75 dBm | -16.75 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85915 GHz | -41.33 dBm | -16.33 dB |

Date: 8.NOV.2019 15:23:05

### Highest Channel / 16QAM



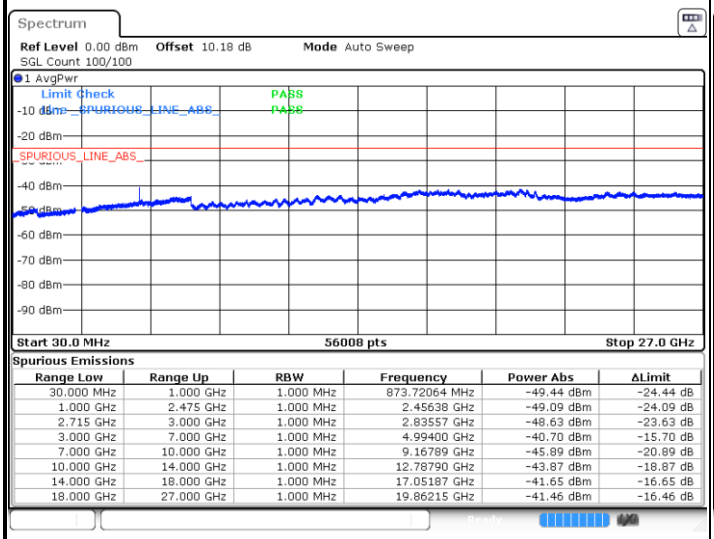

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 876.14443 MHz | -48.97 dBm | -23.97 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46597 GHz | -49.32 dBm | -24.32 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80352 GHz | -48.16 dBm | -23.16 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99925 GHz | -44.06 dBm | -19.06 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.91726 GHz | -46.00 dBm | -21.00 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.82890 GHz | -43.85 dBm | -18.85 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91601 GHz | -41.73 dBm | -16.73 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86265 GHz | -41.10 dBm | -16.10 dB |

Date: 8.NOV.2019 15:22:08

## LTE Band 41 / 15MHz

### Lowest Channel / QPSK

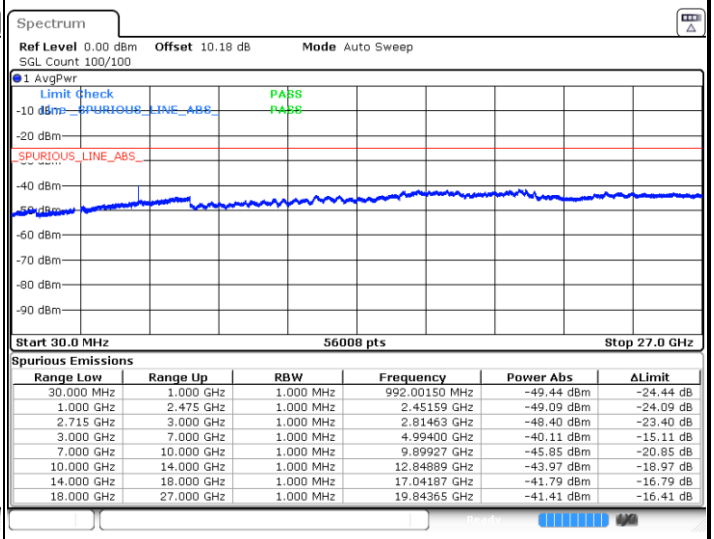



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 873.72064 MHz | -49.44 dBm | -24.44 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45638 GHz | -49.09 dBm | -24.09 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.83557 GHz | -48.63 dBm | -23.63 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99400 GHz | -40.70 dBm | -15.70 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16789 GHz | -45.89 dBm | -20.89 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.78790 GHz | -43.87 dBm | -18.87 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05187 GHz | -41.65 dBm | -16.65 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86215 GHz | -41.46 dBm | -16.46 dB |

Date: 8.NOV.2019 15:27:51

### Lowest Channel / 16QAM

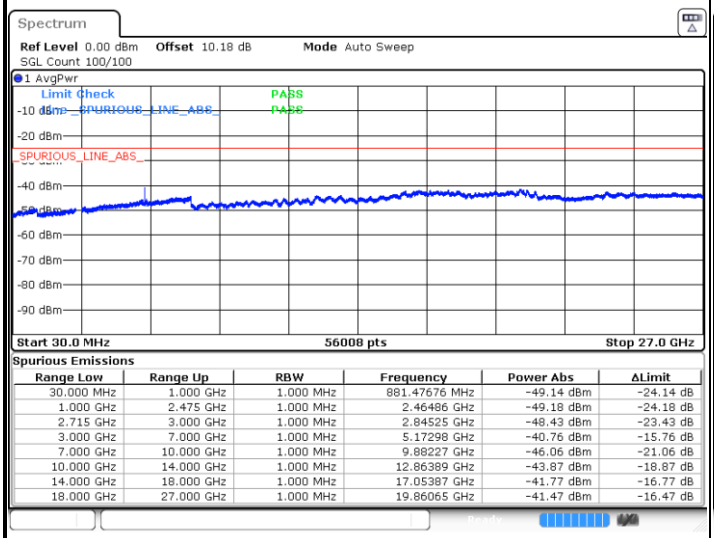



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 992.00150 MHz | -49.44 dBm | -24.44 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45159 GHz | -49.09 dBm | -24.09 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.81463 GHz | -48.40 dBm | -23.40 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99400 GHz | -40.11 dBm | -15.11 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.89927 GHz | -45.85 dBm | -20.85 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84889 GHz | -43.97 dBm | -18.97 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04187 GHz | -41.79 dBm | -16.79 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.84365 GHz | -41.41 dBm | -16.41 dB |

Date: 8.NOV.2019 15:29:04

### Middle Channel / QPSK

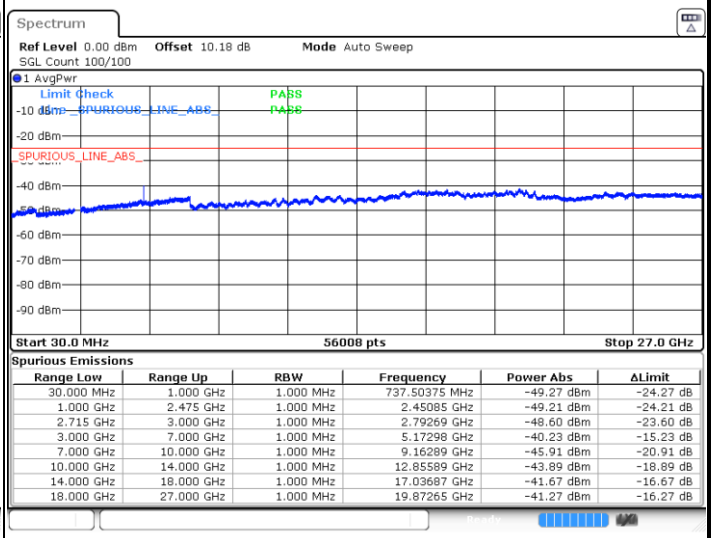



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 881.47676 MHz | -49.14 dBm | -24.14 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46486 GHz | -49.18 dBm | -24.18 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.84525 GHz | -48.43 dBm | -23.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17298 GHz | -40.76 dBm | -15.76 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.88227 GHz | -46.06 dBm | -21.06 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.86389 GHz | -43.87 dBm | -18.87 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05387 GHz | -41.77 dBm | -16.77 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86065 GHz | -41.47 dBm | -16.47 dB |

Date: 8.NOV.2019 15:31:52

### Middle Channel / 16QAM



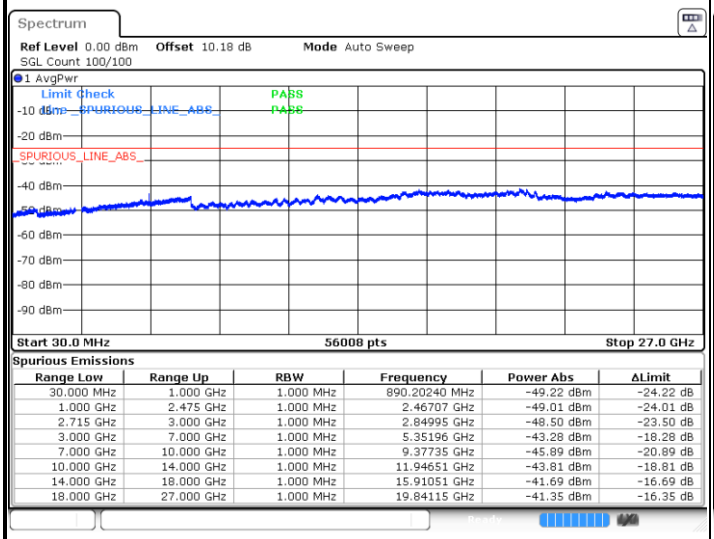

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 737.50375 MHz | -49.27 dBm | -24.27 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45085 GHz | -49.21 dBm | -24.21 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79269 GHz | -48.60 dBm | -23.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17298 GHz | -40.23 dBm | -15.23 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16289 GHz | -45.91 dBm | -20.91 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.85589 GHz | -43.89 dBm | -18.89 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03687 GHz | -41.67 dBm | -16.67 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87265 GHz | -41.27 dBm | -16.27 dB |

Date: 8.NOV.2019 15:32:46

## LTE Band 41 / 15MHz

### Highest Channel / QPSK

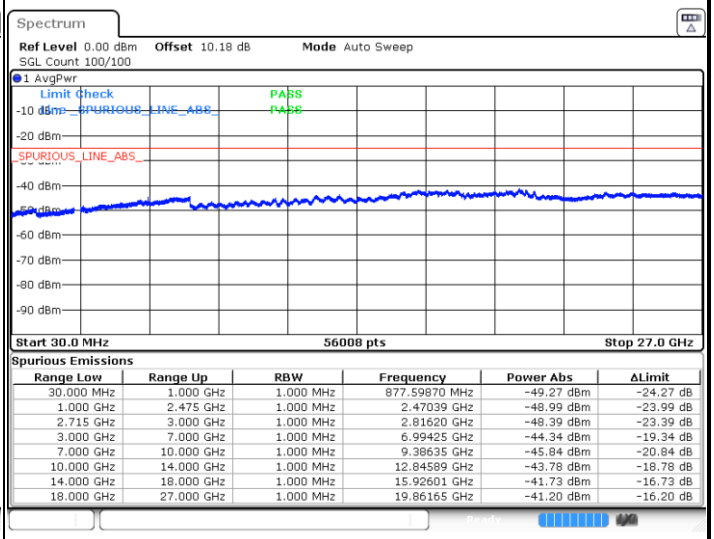



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 890.20240 MHz | -49.22 dBm | -24.22 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46707 GHz | -49.01 dBm | -24.01 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.84995 GHz | -48.50 dBm | -23.50 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.35196 GHz | -43.28 dBm | -18.28 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.37735 GHz | -45.89 dBm | -20.89 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94651 GHz | -43.81 dBm | -18.81 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91051 GHz | -41.69 dBm | -16.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.84115 GHz | -41.35 dBm | -16.35 dB |

Date: 8.NOV.2019 15:36:33

### Highest Channel / 16QAM



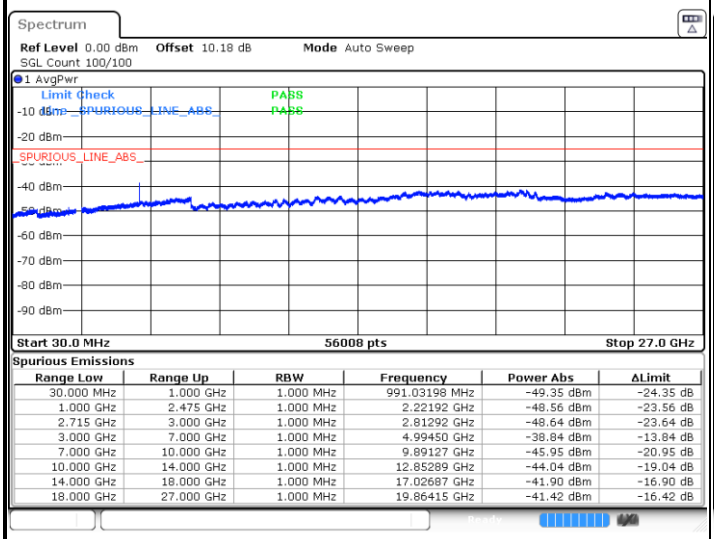

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 877.59870 MHz | -49.27 dBm | -24.27 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47039 GHz | -48.99 dBm | -23.99 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.81620 GHz | -48.39 dBm | -23.39 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99425 GHz | -44.34 dBm | -19.34 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.38635 GHz | -45.84 dBm | -20.84 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84589 GHz | -43.78 dBm | -18.78 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.92601 GHz | -41.73 dBm | -16.73 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86165 GHz | -41.20 dBm | -16.20 dB |

Date: 8.NOV.2019 15:35:38

## LTE Band 41 / 20MHz

### Lowest Channel / QPSK

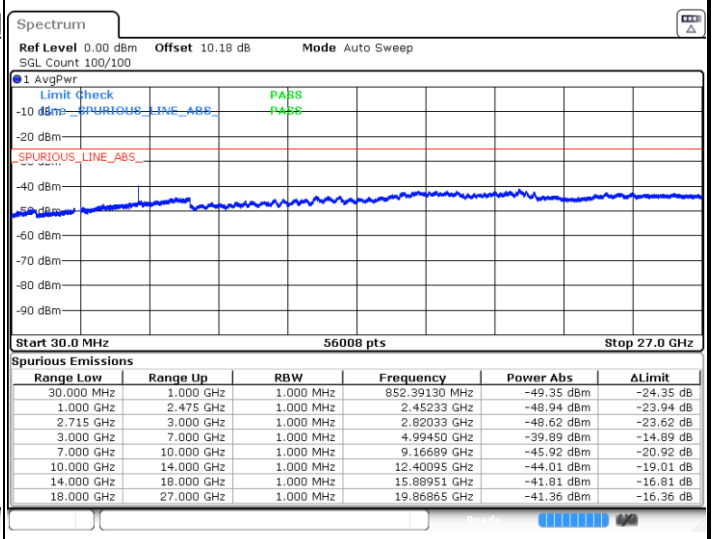



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 991.03198 MHz | -49.35 dBm | -24.35 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.22192 GHz | -48.56 dBm | -23.56 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.81292 GHz | -48.64 dBm | -23.64 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99450 GHz | -38.84 dBm | -13.84 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.89127 GHz | -45.95 dBm | -20.95 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.85289 GHz | -44.04 dBm | -19.04 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02687 GHz | -41.90 dBm | -16.90 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86415 GHz | -41.42 dBm | -16.42 dB |

Date: 8.NOV.2019 15:39:39

### Lowest Channel / 16QAM



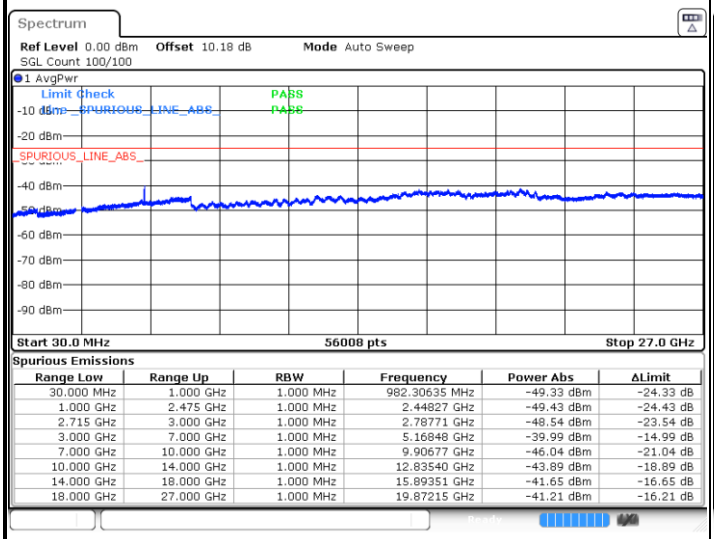

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 852.39130 MHz | -49.35 dBm | -24.35 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45233 GHz | -48.94 dBm | -23.94 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.82033 GHz | -48.62 dBm | -23.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99450 GHz | -39.89 dBm | -14.89 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16689 GHz | -45.92 dBm | -20.92 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.40095 GHz | -44.01 dBm | -19.01 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.88951 GHz | -41.81 dBm | -16.81 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86865 GHz | -41.36 dBm | -16.36 dB |

Date: 8.NOV.2019 15:40:43

## LTE Band 41 / 20MHz

### Middle Channel / QPSK

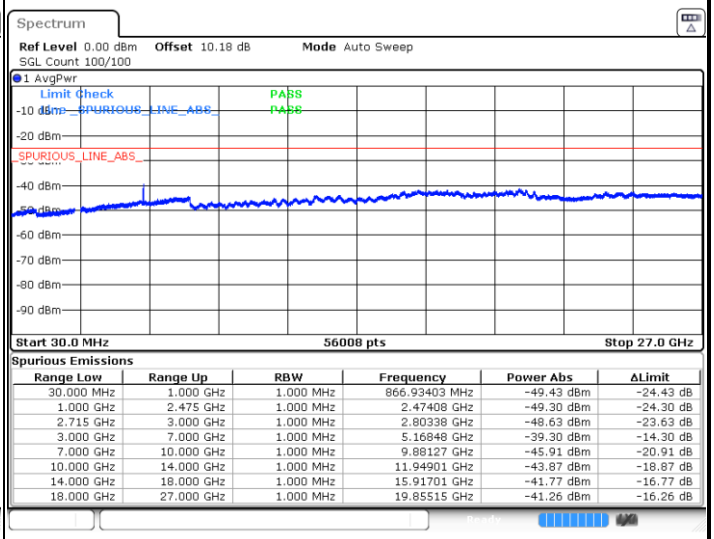



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 982.30635 MHz | -49.33 dBm | -24.33 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44827 GHz | -49.43 dBm | -24.43 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.78771 GHz | -48.54 dBm | -23.54 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16848 GHz | -39.99 dBm | -14.99 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.90677 GHz | -46.04 dBm | -21.04 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.83540 GHz | -43.89 dBm | -18.89 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.89351 GHz | -41.65 dBm | -16.65 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87215 GHz | -41.21 dBm | -16.21 dB |

Date: 8.NOV.2019 15:43:35

### Middle Channel / 16QAM

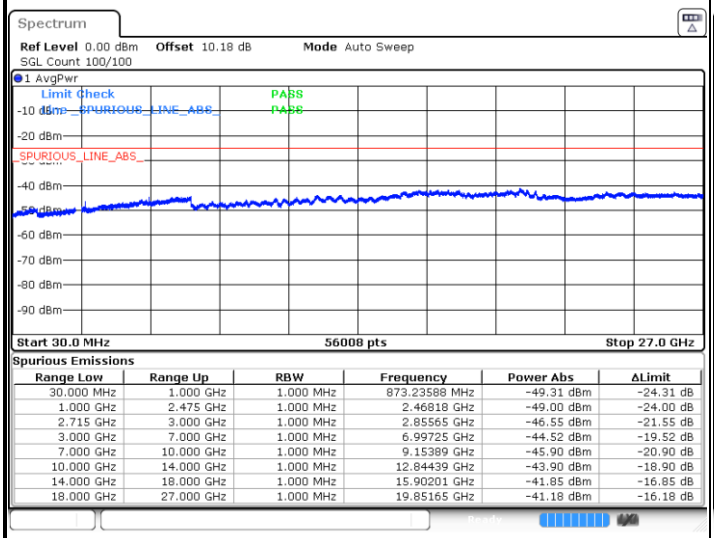



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 866.93403 MHz | -49.43 dBm | -24.43 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47408 GHz | -49.30 dBm | -24.30 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80338 GHz | -48.63 dBm | -23.63 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16848 GHz | -39.30 dBm | -14.30 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.88127 GHz | -45.91 dBm | -20.91 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94901 GHz | -43.87 dBm | -18.87 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91701 GHz | -41.77 dBm | -16.77 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85515 GHz | -41.26 dBm | -16.26 dB |

Date: 8.NOV.2019 15:44:34

### Highest Channel / QPSK

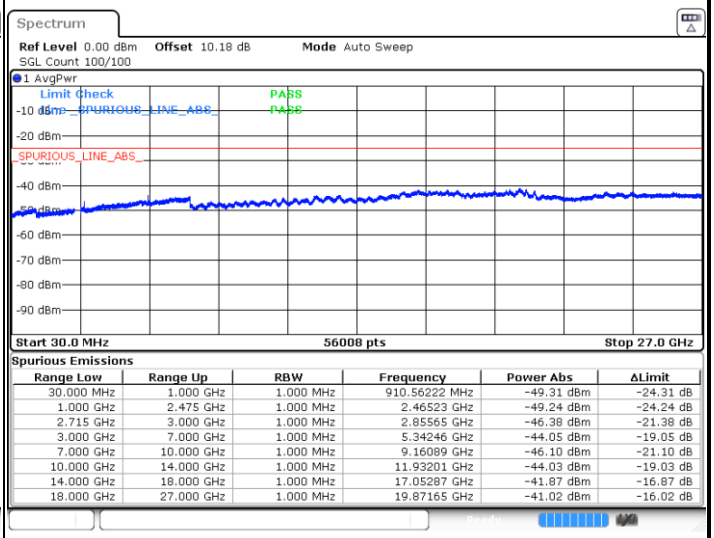



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 873.23588 MHz | -49.31 dBm | -24.31 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46818 GHz | -49.00 dBm | -24.00 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.85565 GHz | -46.55 dBm | -21.55 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99725 GHz | -44.52 dBm | -19.52 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.15389 GHz | -45.90 dBm | -20.90 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84439 GHz | -43.90 dBm | -18.90 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90201 GHz | -41.85 dBm | -16.85 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85165 GHz | -41.18 dBm | -16.18 dB |

Date: 8.NOV.2019 15:50:41

### Highest Channel / 16QAM



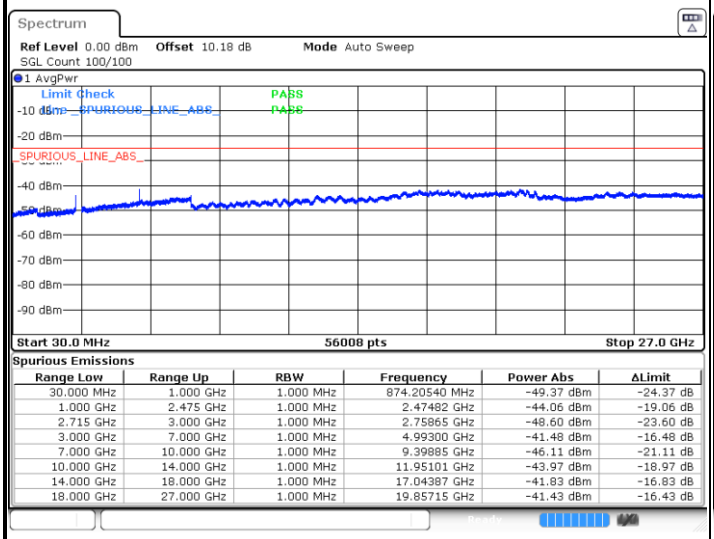

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 910.56222 MHz | -49.31 dBm | -24.31 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46523 GHz | -49.24 dBm | -24.24 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.85565 GHz | -46.38 dBm | -21.38 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.34246 GHz | -44.05 dBm | -19.05 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16089 GHz | -46.10 dBm | -21.10 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.93201 GHz | -44.03 dBm | -19.03 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05287 GHz | -41.87 dBm | -16.87 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87165 GHz | -41.02 dBm | -16.02 dB |

Date: 8.NOV.2019 15:49:47

## LTE Band 41 / 5MHz

### Lowest Channel / 64QAM

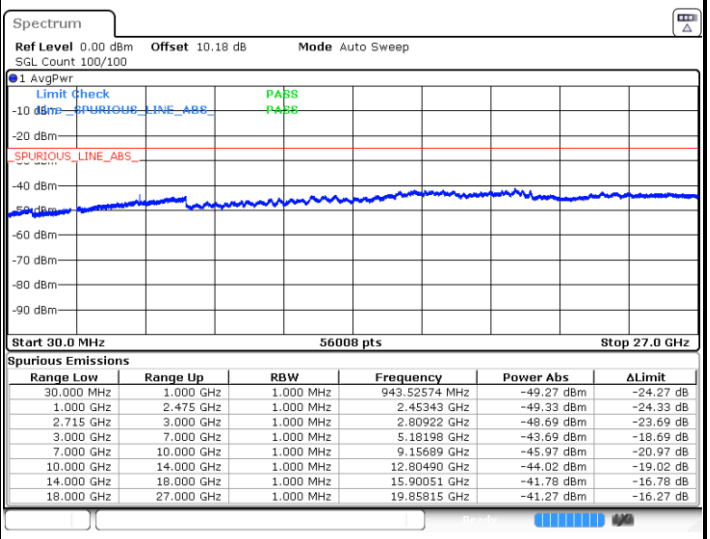



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 874.20540 MHz | -49.37 dBm | -24.37 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47482 GHz | -44.06 dBm | -19.06 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.75865 GHz | -48.60 dBm | -23.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99300 GHz | -41.48 dBm | -16.48 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.39885 GHz | -46.11 dBm | -21.11 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.95101 GHz | -43.97 dBm | -18.97 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04387 GHz | -41.83 dBm | -16.83 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85715 GHz | -41.43 dBm | -16.43 dB |

Date: 8.NOV.2019 15:01:17

### Middle Channel / 64QAM

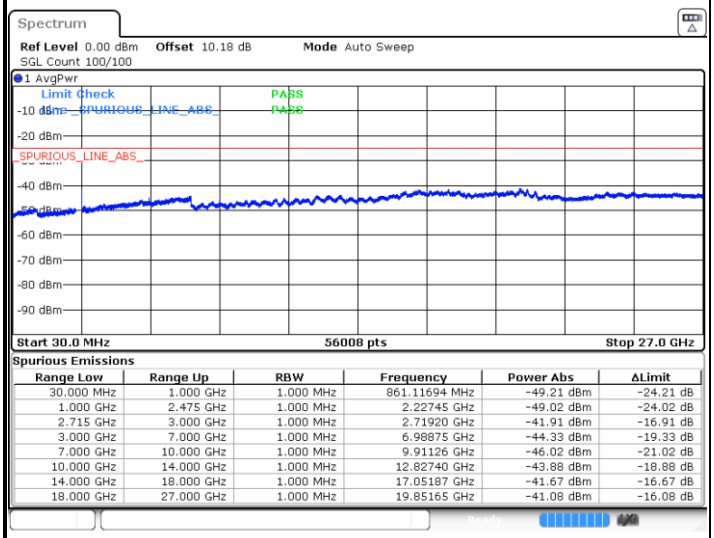



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 943.52574 MHz | -49.27 dBm | -24.27 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45343 GHz | -49.33 dBm | -24.33 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80922 GHz | -48.69 dBm | -23.69 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18198 GHz | -43.69 dBm | -18.69 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.15689 GHz | -45.97 dBm | -20.97 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.80490 GHz | -44.02 dBm | -19.02 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90051 GHz | -41.78 dBm | -16.78 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85815 GHz | -41.27 dBm | -16.27 dB |

Date: 8.NOV.2019 15:02:12

### Highest Channel / 64QAM



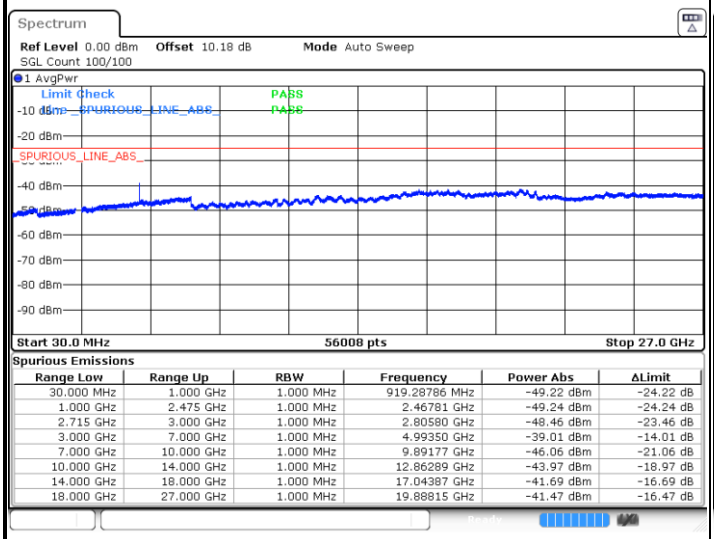

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 861.11694 MHz | -49.21 dBm | -24.21 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.22745 GHz | -49.02 dBm | -24.02 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.71920 GHz | -41.91 dBm | -16.91 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98875 GHz | -44.33 dBm | -19.33 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.91126 GHz | -46.02 dBm | -21.02 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.82740 GHz | -43.88 dBm | -18.88 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05187 GHz | -41.67 dBm | -16.67 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85165 GHz | -41.08 dBm | -16.08 dB |

Date: 8.NOV.2019 15:09:55

## LTE Band 41 / 10MHz

### Lowest Channel / 64QAM

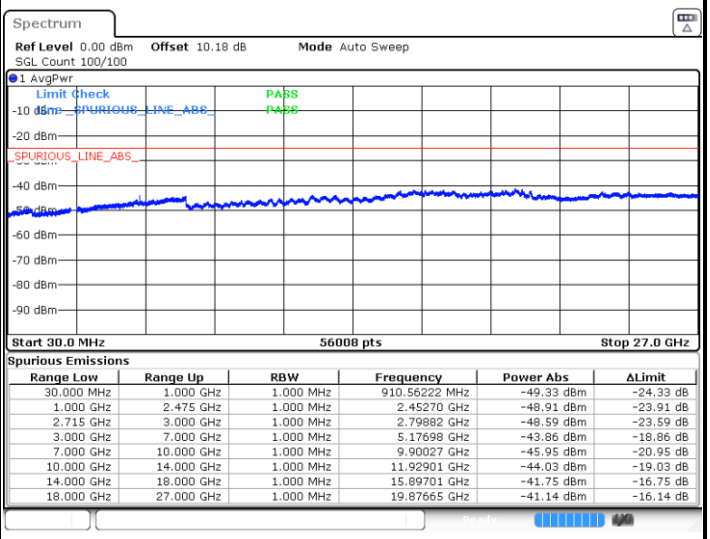



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 919.28786 MHz | -49.22 dBm | -24.22 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46781 GHz | -49.24 dBm | -24.24 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80580 GHz | -48.46 dBm | -23.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99350 GHz | -39.01 dBm | -14.01 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.89177 GHz | -46.06 dBm | -21.06 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.86289 GHz | -43.97 dBm | -18.97 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04387 GHz | -41.69 dBm | -16.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.88815 GHz | -41.47 dBm | -16.47 dB |

Date: 8.NOV.2019 15:16:10

### Middle Channel / 64QAM

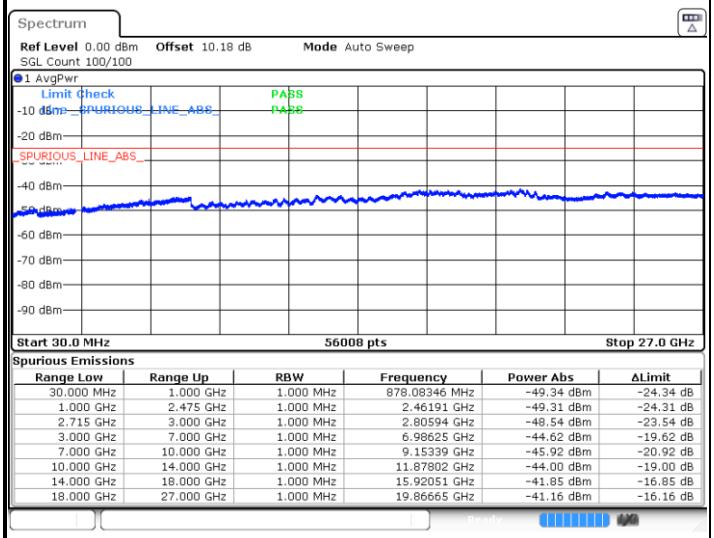



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 910.56222 MHz | -49.33 dBm | -24.33 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45270 GHz | -48.91 dBm | -23.91 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79882 GHz | -48.59 dBm | -23.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17698 GHz | -43.86 dBm | -18.86 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.90027 GHz | -45.95 dBm | -20.95 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.92901 GHz | -44.03 dBm | -19.03 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.89701 GHz | -41.75 dBm | -16.75 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87665 GHz | -41.14 dBm | -16.14 dB |

Date: 8.NOV.2019 15:20:14

### Highest Channel / 64QAM



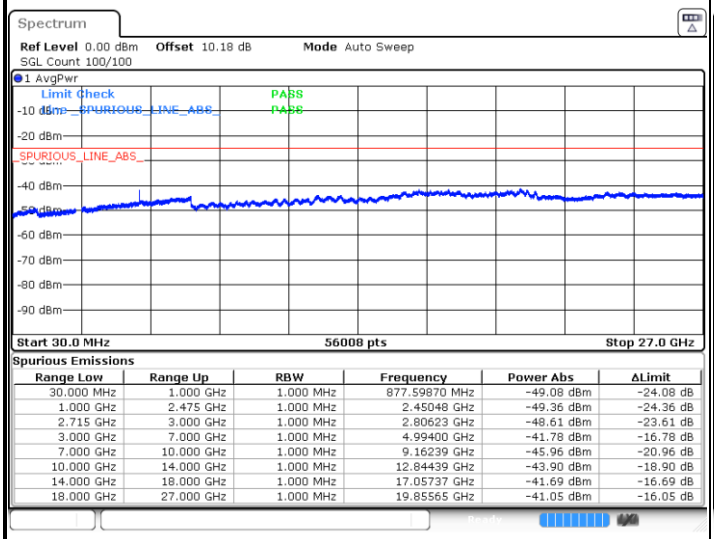

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 878.08346 MHz | -49.34 dBm | -24.34 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46191 GHz | -49.31 dBm | -24.31 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80594 GHz | -48.54 dBm | -23.54 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98625 GHz | -44.62 dBm | -19.62 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.15339 GHz | -45.92 dBm | -20.92 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.87802 GHz | -44.00 dBm | -19.00 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.92051 GHz | -41.85 dBm | -16.85 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86665 GHz | -41.16 dBm | -16.16 dB |

Date: 8.NOV.2019 15:21:16

## LTE Band 41 / 15MHz

### Lowest Channel / 64QAM

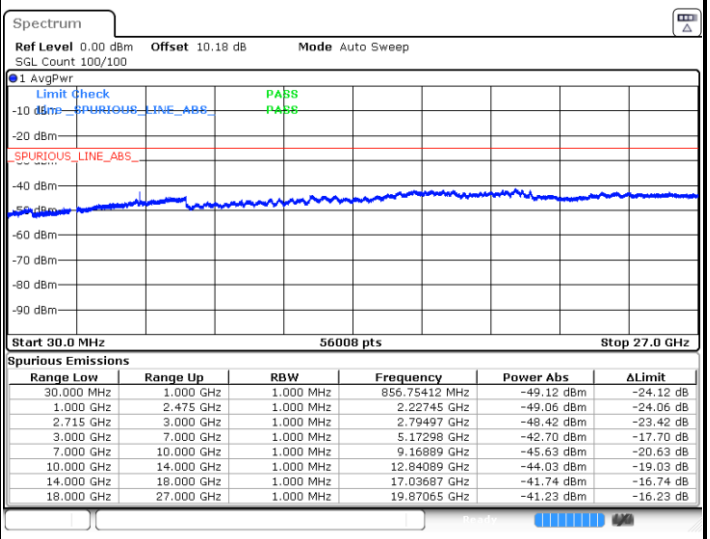



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 877.59870 MHz | -49.08 dBm | -24.08 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45048 GHz | -49.36 dBm | -24.36 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80623 GHz | -48.61 dBm | -23.61 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99400 GHz | -41.78 dBm | -16.78 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16239 GHz | -45.96 dBm | -20.96 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84439 GHz | -43.90 dBm | -18.90 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05737 GHz | -41.69 dBm | -16.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85565 GHz | -41.05 dBm | -16.05 dB |

Date: 8.NOV.2019 15:30:11

### Middle Channel / 64QAM

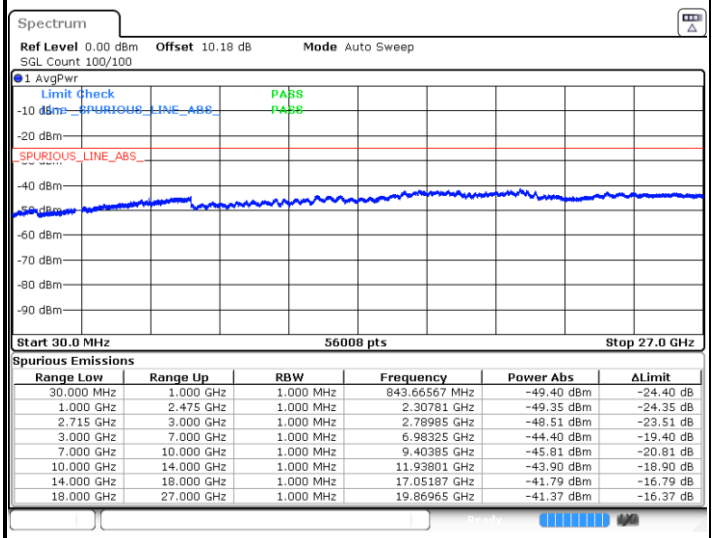



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 856.75412 MHz | -49.12 dBm | -24.12 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.22745 GHz | -49.06 dBm | -24.06 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79497 GHz | -48.42 dBm | -23.42 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17298 GHz | -42.70 dBm | -17.70 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16889 GHz | -45.63 dBm | -20.63 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84089 GHz | -44.03 dBm | -19.03 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03687 GHz | -41.74 dBm | -16.74 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87065 GHz | -41.23 dBm | -16.23 dB |

Date: 8.NOV.2019 15:33:49

### Highest Channel / 64QAM



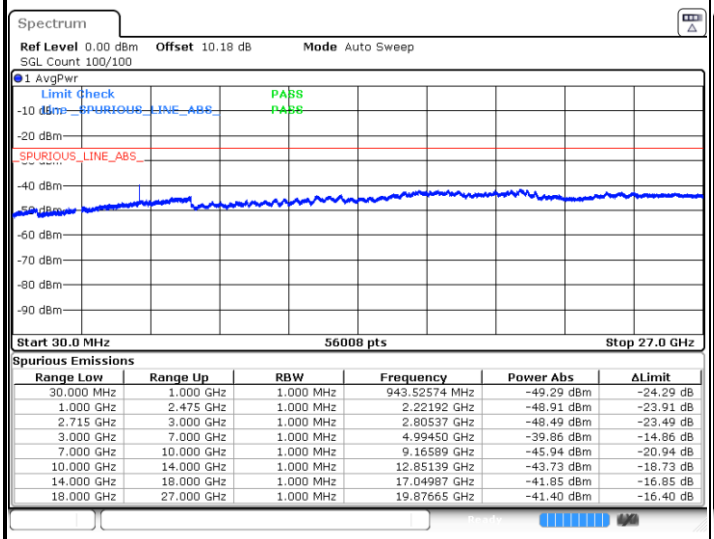

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 843.66567 MHz | -49.40 dBm | -24.40 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.30781 GHz | -49.35 dBm | -24.35 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.78985 GHz | -48.51 dBm | -23.51 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98325 GHz | -44.40 dBm | -19.40 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40385 GHz | -45.81 dBm | -20.81 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.93801 GHz | -43.90 dBm | -18.90 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05187 GHz | -41.79 dBm | -16.79 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86965 GHz | -41.37 dBm | -16.37 dB |

Date: 8.NOV.2019 15:34:43

## LTE Band 41 / 20MHz

### Lowest Channel / 64QAM

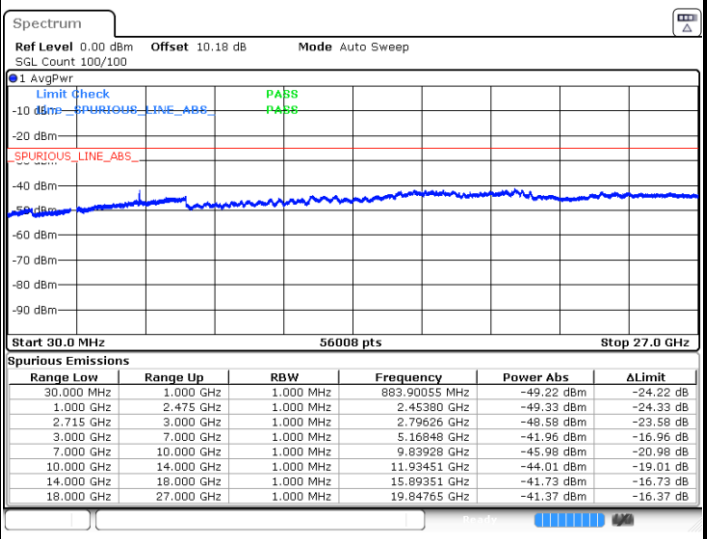



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 943.52574 MHz | -49.29 dBm | -24.29 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.22192 GHz | -48.91 dBm | -23.91 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.80537 GHz | -48.49 dBm | -23.49 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 4.99450 GHz | -39.86 dBm | -14.86 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.16589 GHz | -45.94 dBm | -20.94 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.85139 GHz | -43.73 dBm | -18.73 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04987 GHz | -41.85 dBm | -16.85 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87665 GHz | -41.40 dBm | -16.40 dB |

Date: 8.NOV.2019 15:41:47

### Middle Channel / 64QAM

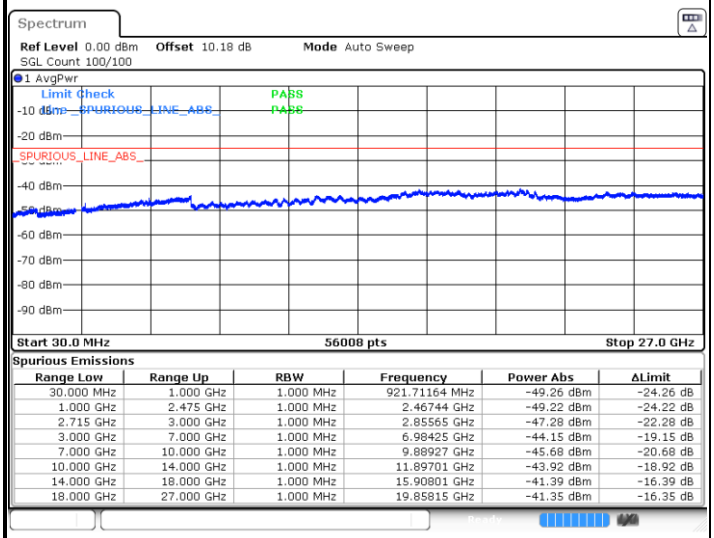



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 883.90055 MHz | -49.22 dBm | -24.22 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45380 GHz | -49.33 dBm | -24.33 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.79626 GHz | -48.58 dBm | -23.58 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16848 GHz | -41.96 dBm | -16.96 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.83928 GHz | -45.98 dBm | -20.98 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.93451 GHz | -44.01 dBm | -19.01 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.89351 GHz | -41.73 dBm | -16.73 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.84765 GHz | -41.37 dBm | -16.37 dB |

Date: 8.NOV.2019 15:45:26

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 921.71164 MHz | -49.26 dBm | -24.26 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46744 GHz | -49.22 dBm | -24.22 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.85565 GHz | -47.28 dBm | -22.28 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98425 GHz | -44.15 dBm | -19.15 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.88927 GHz | -45.68 dBm | -20.68 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.89701 GHz | -43.92 dBm | -18.92 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90801 GHz | -41.39 dBm | -16.39 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85815 GHz | -41.35 dBm | -16.35 dB |

Date: 8.NOV.2019 15:46:19

# Frequency Stability

| Test Conditions | | LTE Band 41 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0010 | PASS |
| 40 | Normal Voltage | 0.0016 | |
| 30 | Normal Voltage | 0.0025 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0017 | |
| 0 | Normal Voltage | 0.0007 | |
| -10 | Normal Voltage | 0.0013 | |
| -20 | Normal Voltage | 0.0014 | |
| -30 | Normal Voltage | 0.0007 | |
| 20 | Maximum Voltage | 0.0019 | |
| 20 | Normal Voltage | 0.0014 | |
| 20 | Battery End Point | 0.0013 | |

**Note:**

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

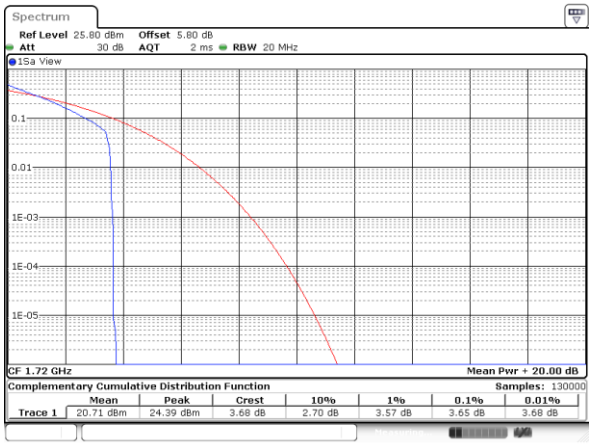
# LTE Band 66

## Peak-to-Average Ratio

| Mode | LTE Band 66 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.65 | 4.61 | 5.36 | 5.94 | PASS |
| Middle CH | 3.71 | 4.41 | 5.19 | 5.71 | |
| Highest CH | 3.65 | 4.61 | 5.30 | 6.00 | |
| Mode | LTE Band 66 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.96 | 6.46 | | | PASS |
| Middle CH | 6.32 | 6.38 | | | |
| Highest CH | 6.52 | 6.55 | | | |

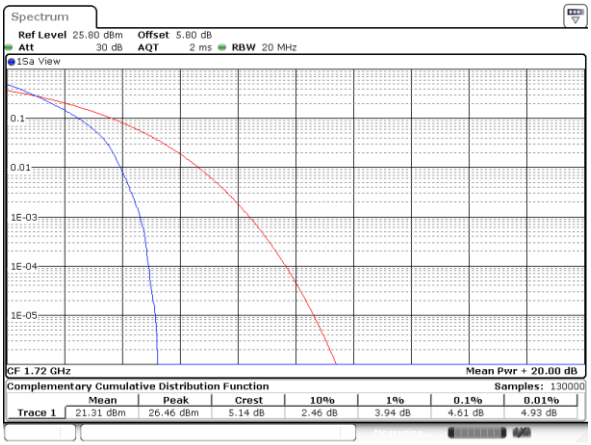
## LTE Band 66 / 20MHz / QPSK

### Lowest Channel / 1RB



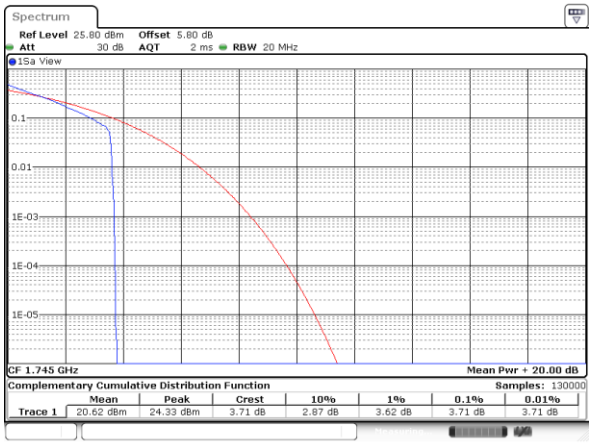

Date: 17.OCT.2019 00:37:16

### Lowest Channel / Full RB



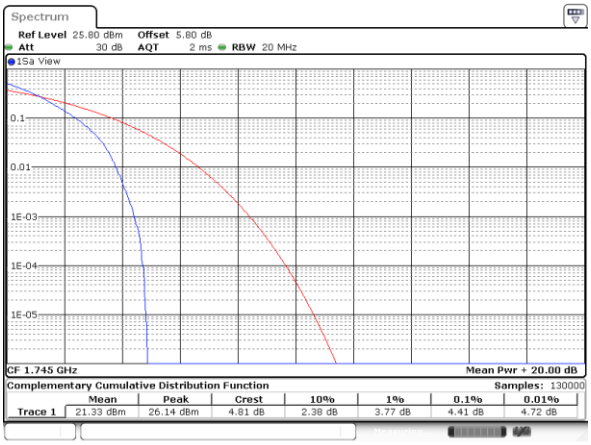

Date: 17.OCT.2019 00:42:15

### Middle Channel / 1RB



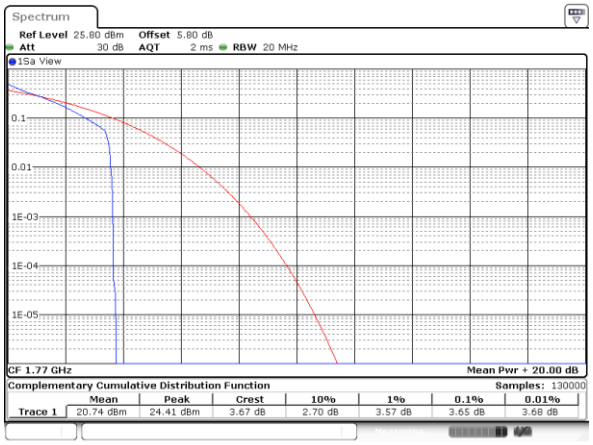

Date: 17.OCT.2019 00:34:43

### Middle Channel / Full RB



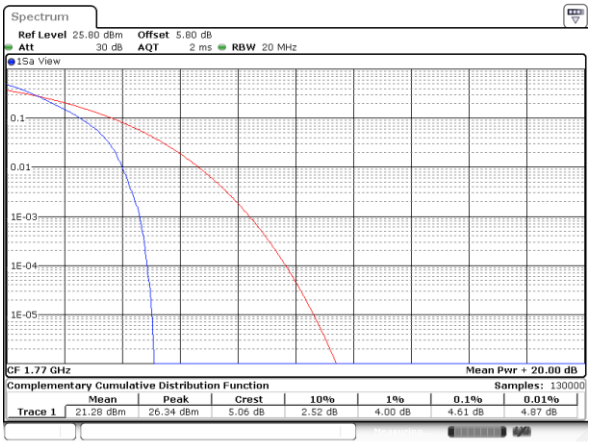

Date: 17.OCT.2019 00:29:31

### Highest Channel / 1RB




Date: 17.OCT.2019 00:49:05

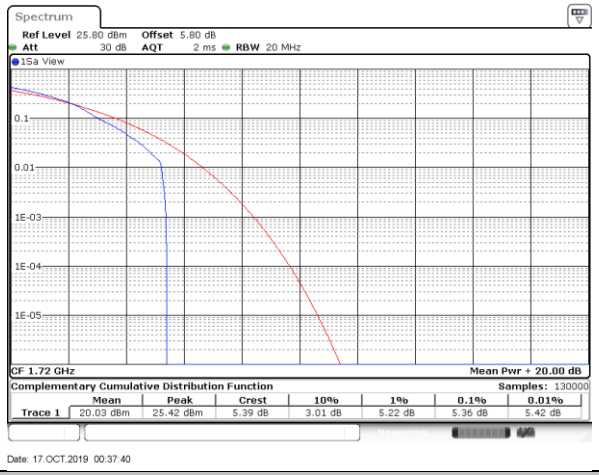
### Highest Channel / Full RB



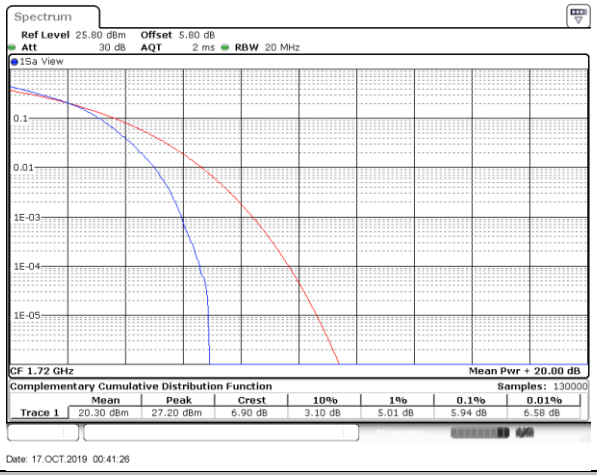

Date: 17.OCT.2019 00:45:01

## LTE Band 66 / 20MHz / 16QAM

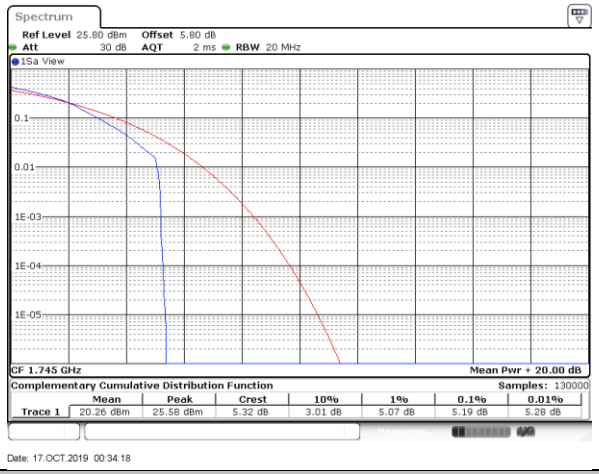
### Lowest Channel / 1RB



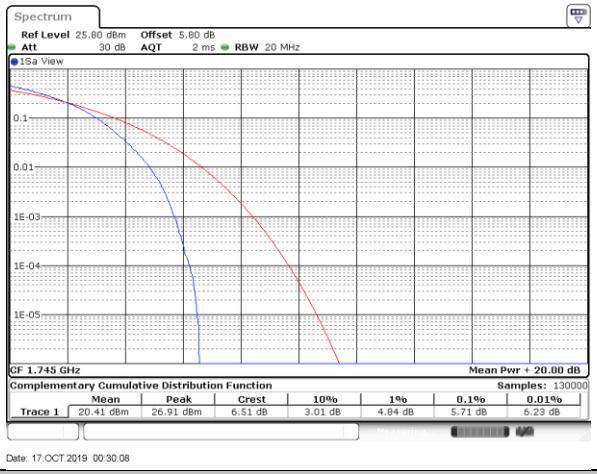

### Lowest Channel / Full RB



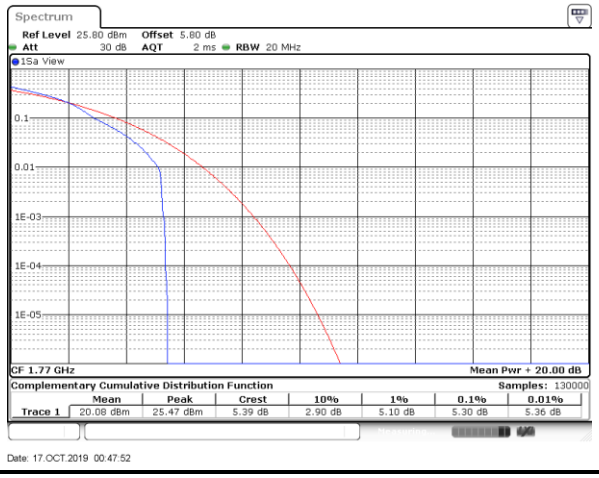

### Middle Channel / 1RB



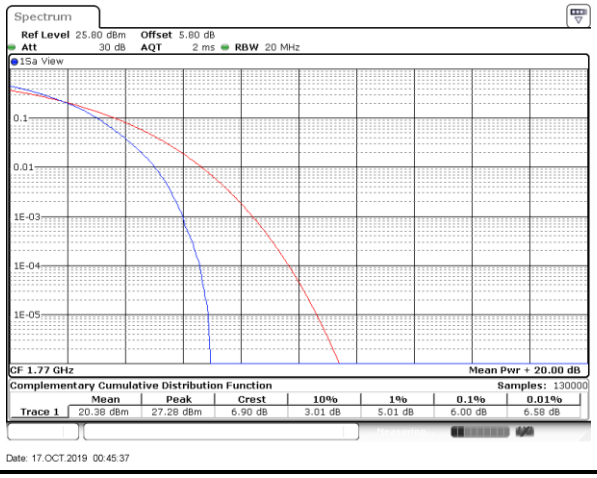

### Middle Channel / Full RB




### Highest Channel / 1RB

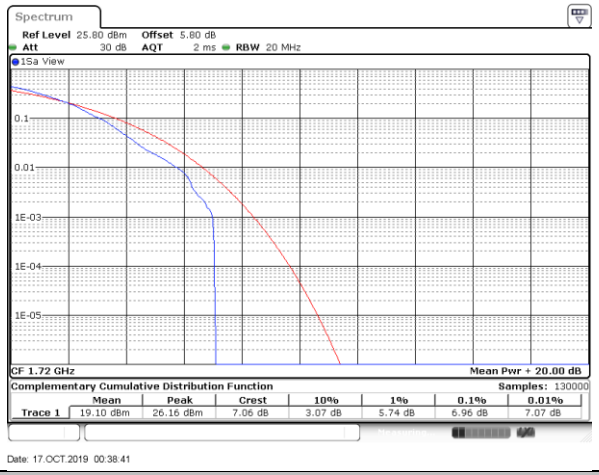



### Highest Channel / Full RB

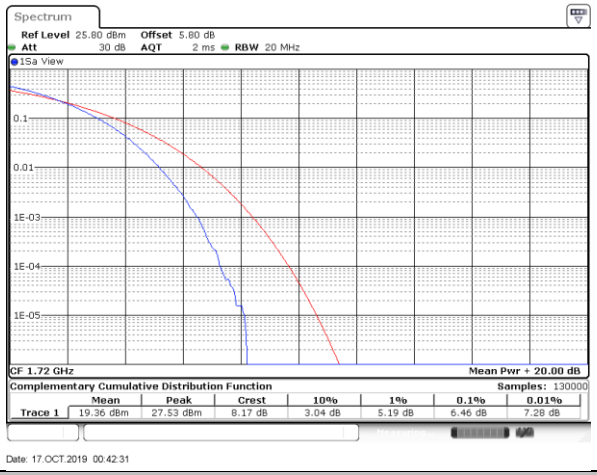


## LTE Band 66 / 20MHz / 64QAM

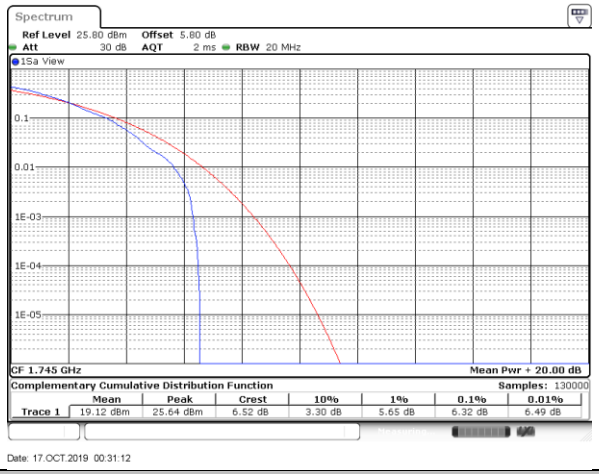
### Lowest Channel / 1RB



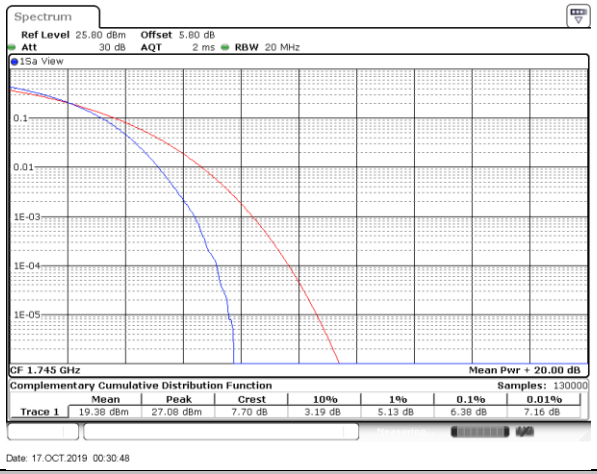

### Lowest Channel / Full RB



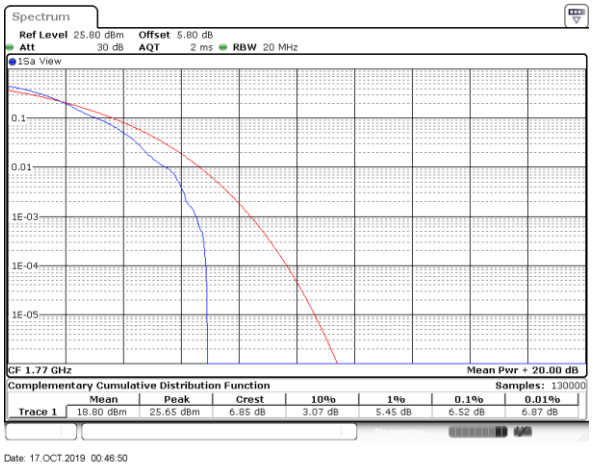

### Middle Channel / 1RB



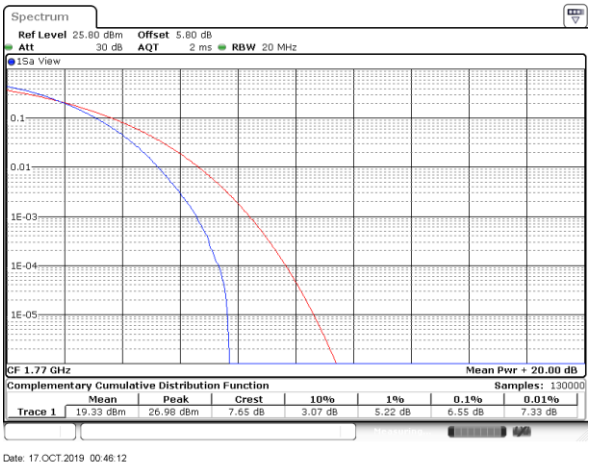

### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB

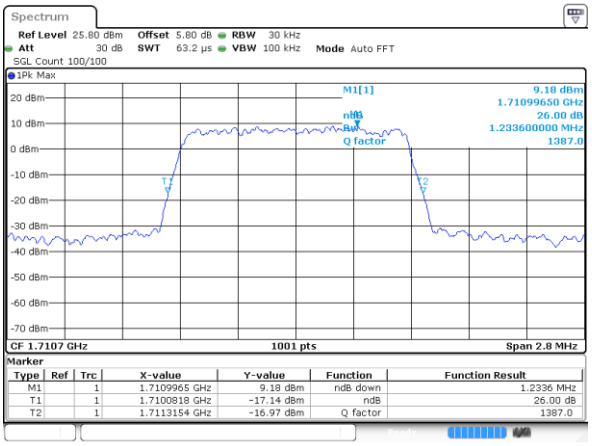


# 26dB Bandwidth

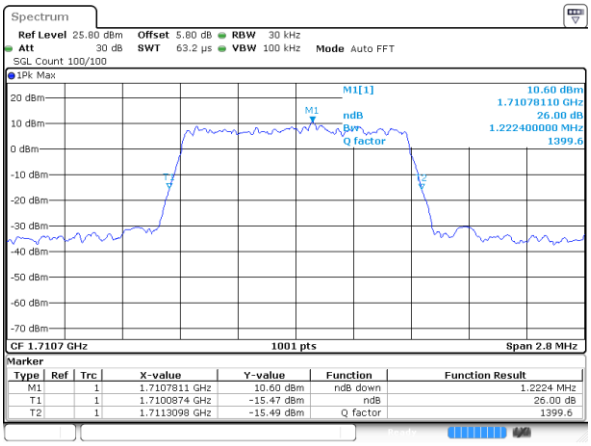
| Mode | LTE Band 66 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.2336 | 1.2224 | 3.033 | 3.021 | 4.875 | 4.935 | 9.83 | 9.67 | 14.326 | 14.745 | 20.26 | 20.18 |
| Middle CH | 1.2336 | 1.228 | 2.991 | 3.027 | 4.925 | 4.955 | 9.67 | 9.69 | 14.416 | 14.535 | 20.14 | 20.06 |
| Highest CH | 1.2252 | 1.2196 | 3.027 | 2.979 | 4.955 | 4.875 | 9.71 | 9.81 | 14.535 | 14.386 | 20.14 | 20.14 |
| Mode | LTE Band 66 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.228 | | 3.0509 | | 4.935 | | 9.65 | | 14.446 | | 20.18 | |
| Middle CH | 1.228 | | 3.021 | | 4.935 | | 9.63 | | 14.565 | | 20.14 | |
| Highest CH | 1.228 | | 3.045 | | 4.855 | | 9.89 | | 14.176 | | 20.3 | |

## LTE Band 66

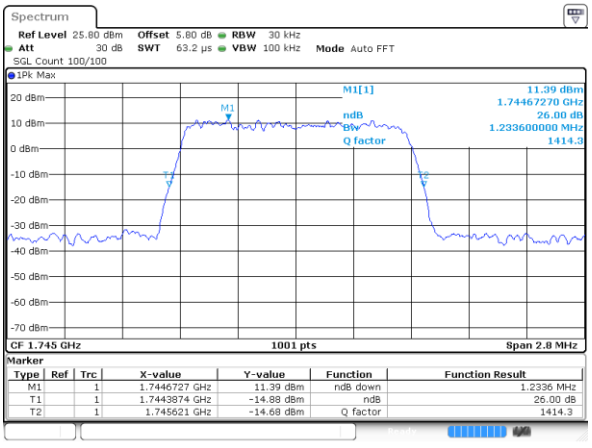
### Lowest Channel / 1.4MHz / QPSK



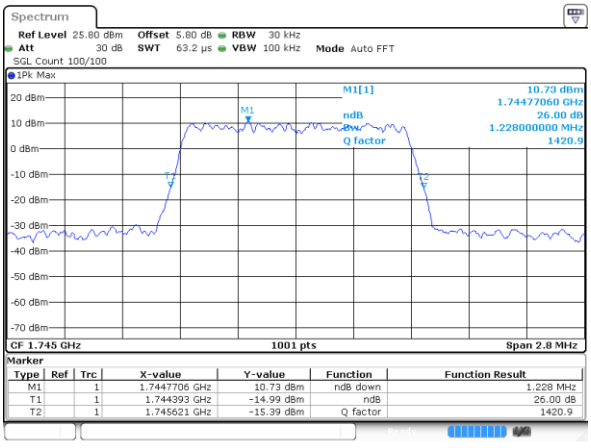

### Lowest Channel / 1.4MHz / 16QAM



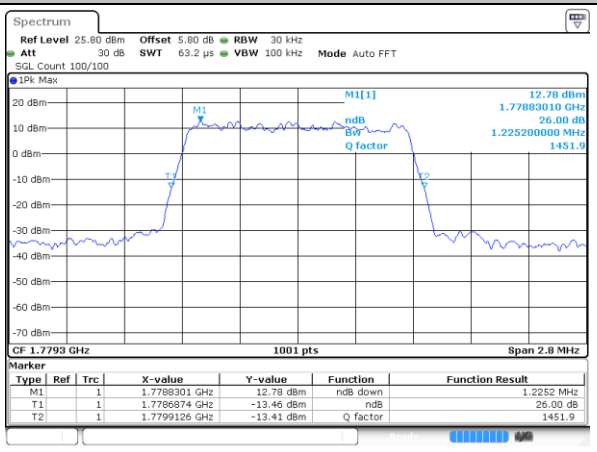

### Middle Channel / 1.4MHz / QPSK



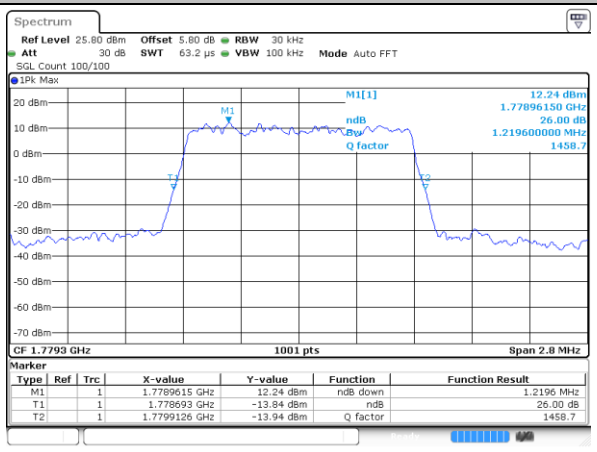

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

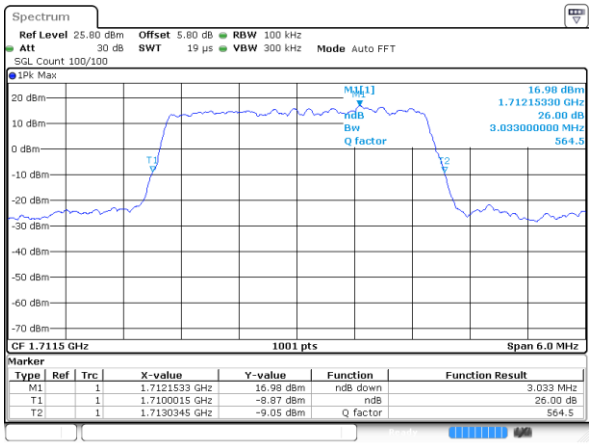



### Highest Channel / 1.4MHz / 16QAM

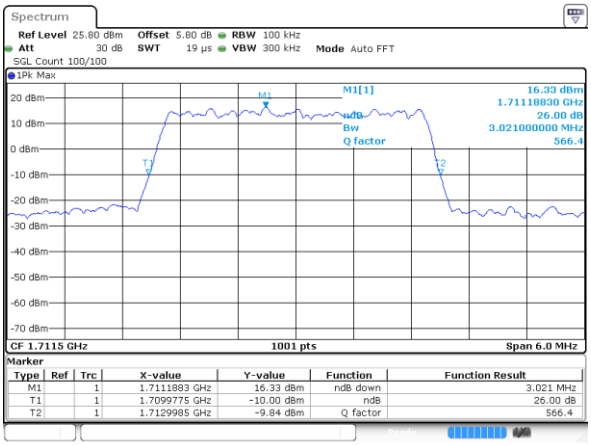


## LTE Band 66

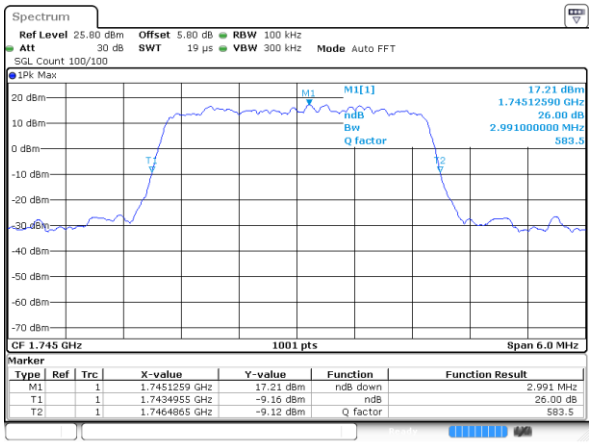
### Lowest Channel / 3MHz / QPSK



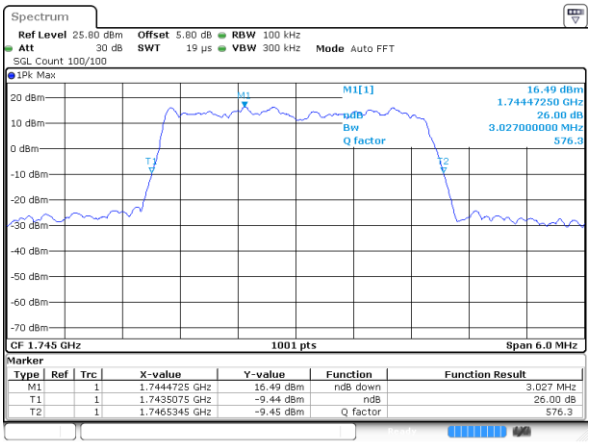

### Lowest Channel / 3MHz / 16QAM



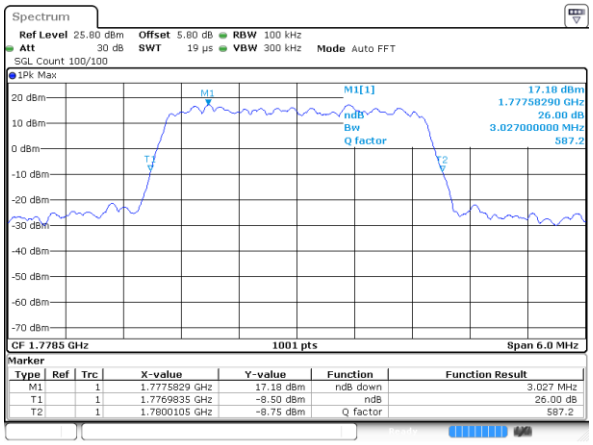

### Middle Channel / 3MHz / QPSK



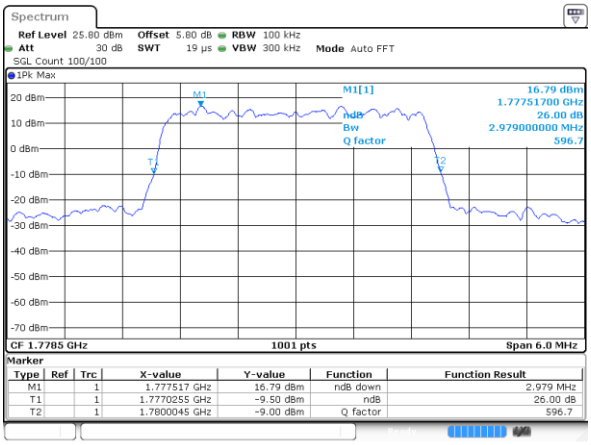

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

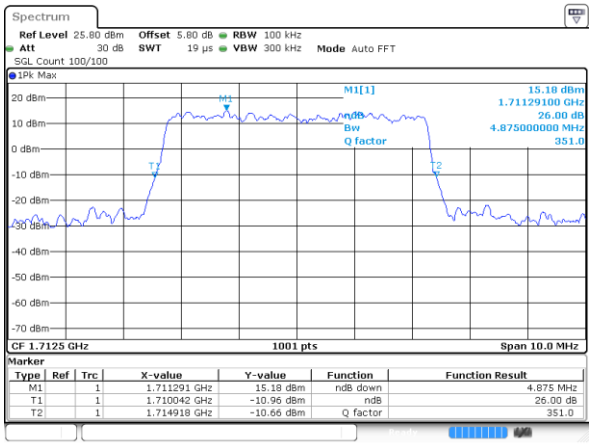



### Highest Channel / 3MHz / 16QAM

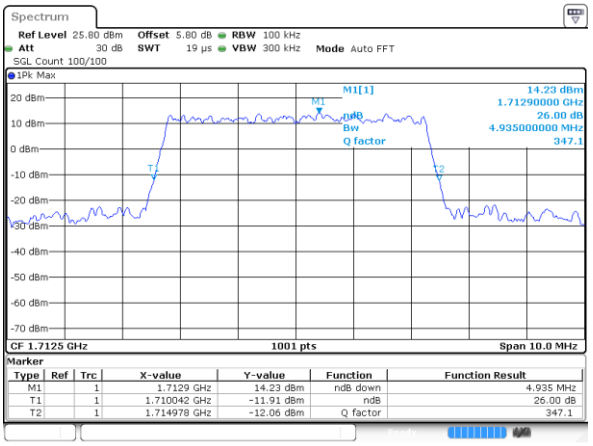


## LTE Band 66

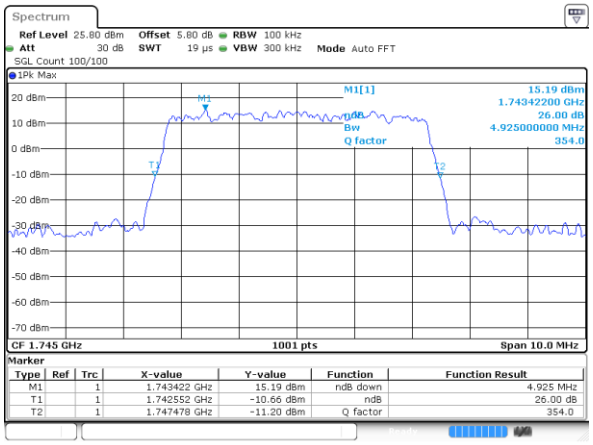
### Lowest Channel / 5MHz / QPSK



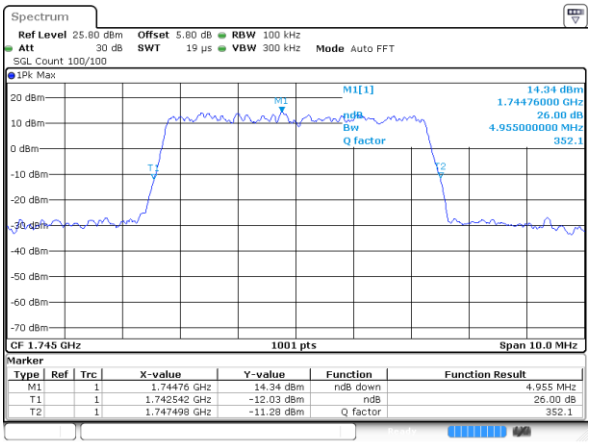

### Lowest Channel / 5MHz / 16QAM



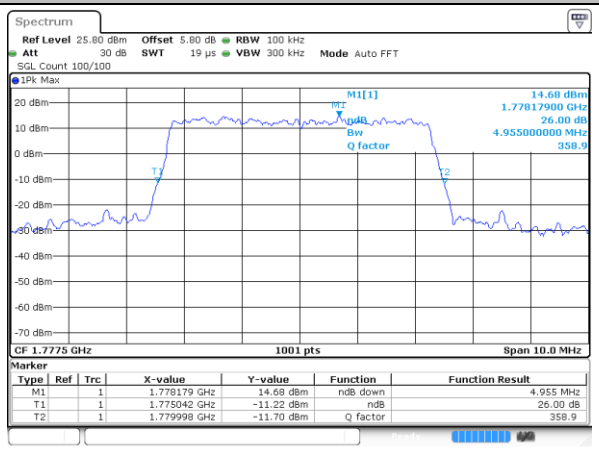

### Middle Channel / 5MHz / QPSK



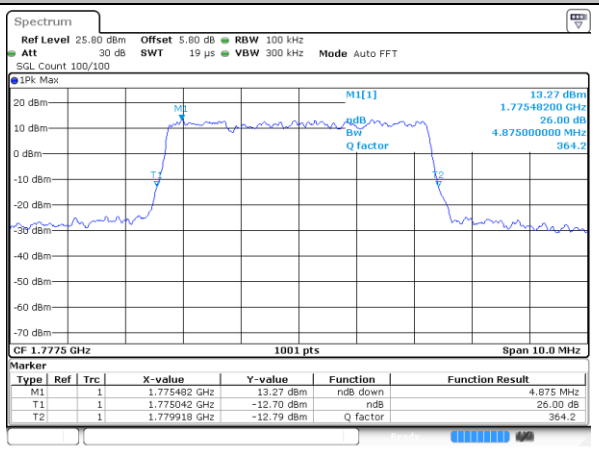

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

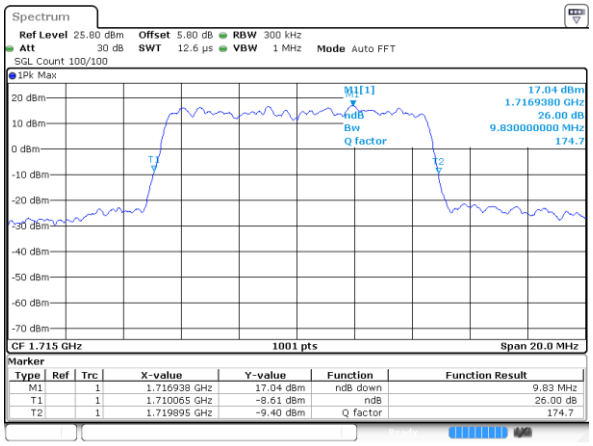



### Highest Channel / 5MHz / 16QAM

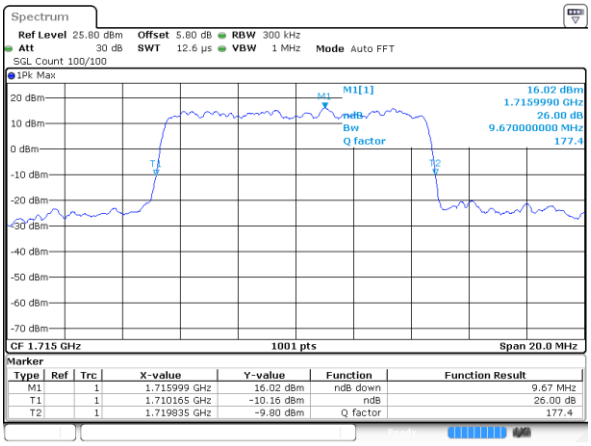


## LTE Band 66

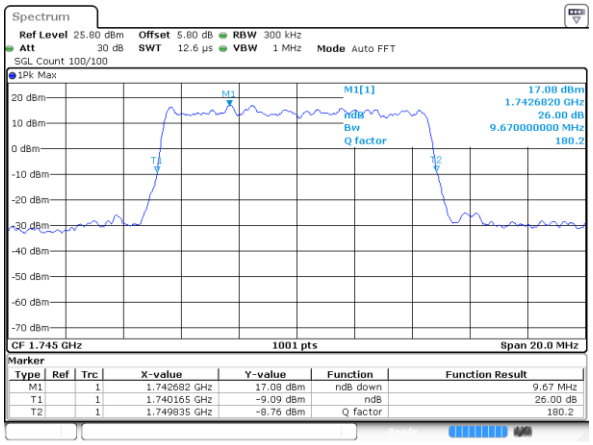
### Lowest Channel / 10MHz / QPSK



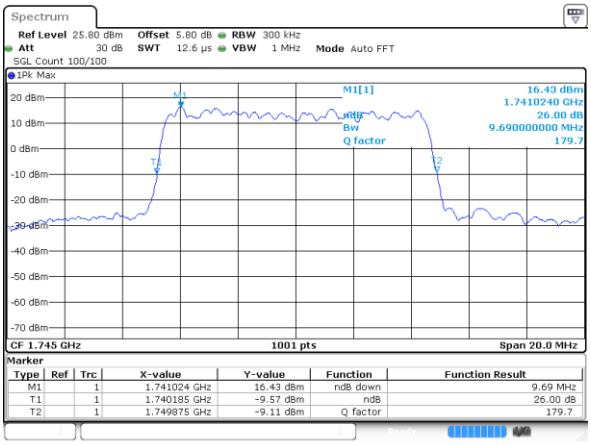

### Lowest Channel / 10MHz / 16QAM



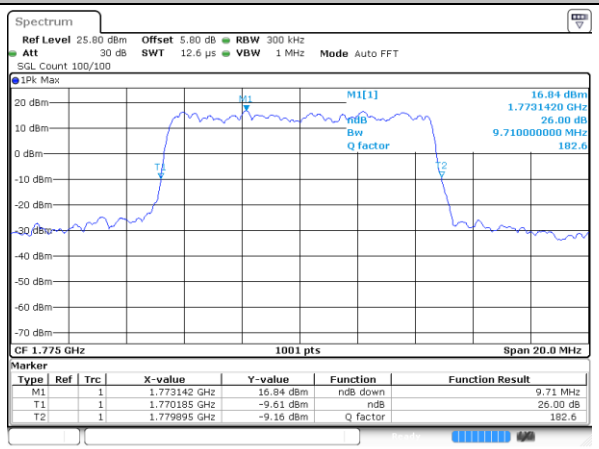

### Middle Channel / 10MHz / QPSK

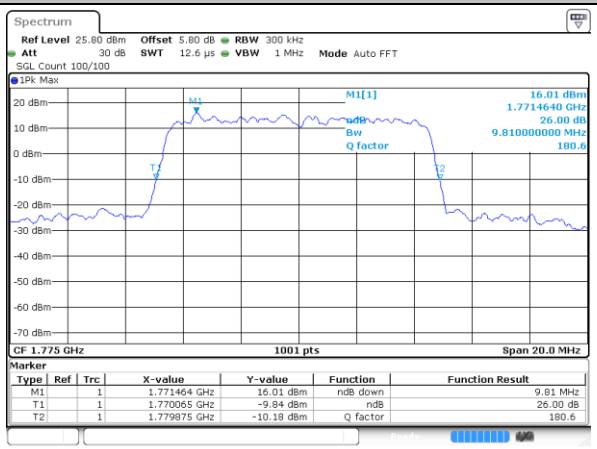



### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK




### Highest Channel / 10MHz / 16QAM