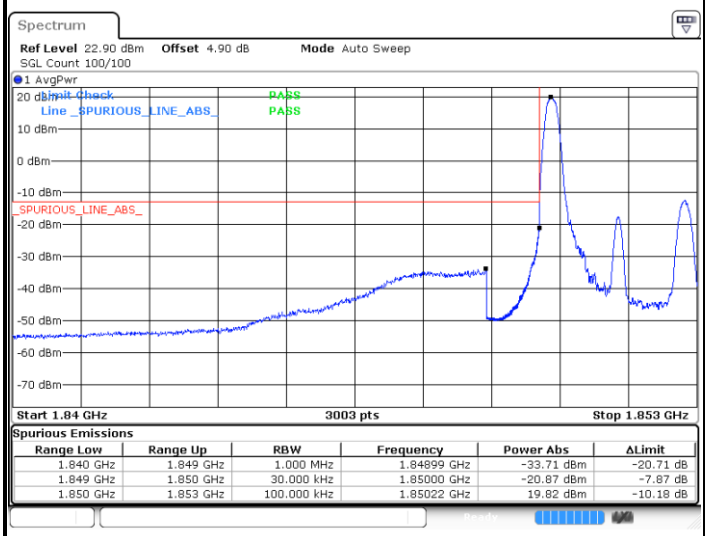
## LTE Band 2 / 3MHz / 16QAM

### Lowest Band Edge / 1 RB

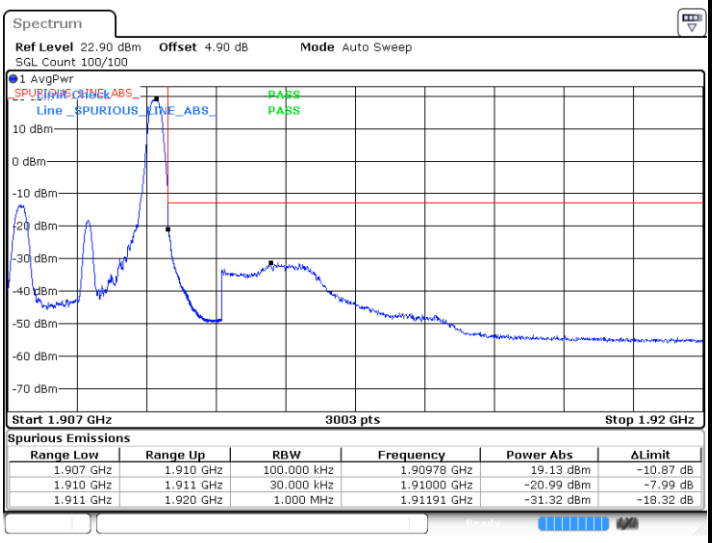



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84899 GHz | -33.71 dBm | -20.71 dB |
| 1.849 GHz | 1.850 GHz | 30.000 kHz | 1.85000 GHz | -20.87 dBm | -7.87 dB |
| 1.850 GHz | 1.853 GHz | 100.000 kHz | 1.85022 GHz | 19.82 dBm | -10.18 dB |

Date: 31.DEC.2019 01:05:54

### Highest Band Edge /1 RB

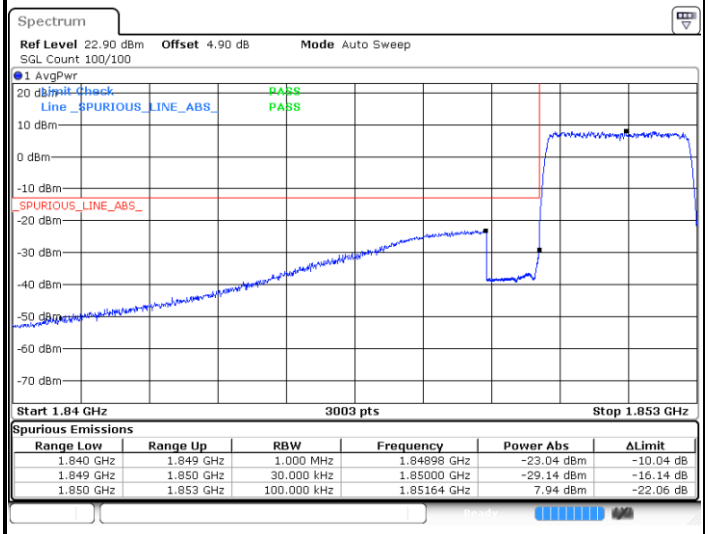



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.907 GHz | 1.910 GHz | 100.000 kHz | 1.90978 GHz | 19.13 dBm | -10.87 dB |
| 1.910 GHz | 1.911 GHz | 30.000 kHz | 1.91000 GHz | -20.99 dBm | -7.99 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91191 GHz | -31.32 dBm | -18.32 dB |

Date: 31.DEC.2019 01:15:22

### Lowest Band Edge / Full RB

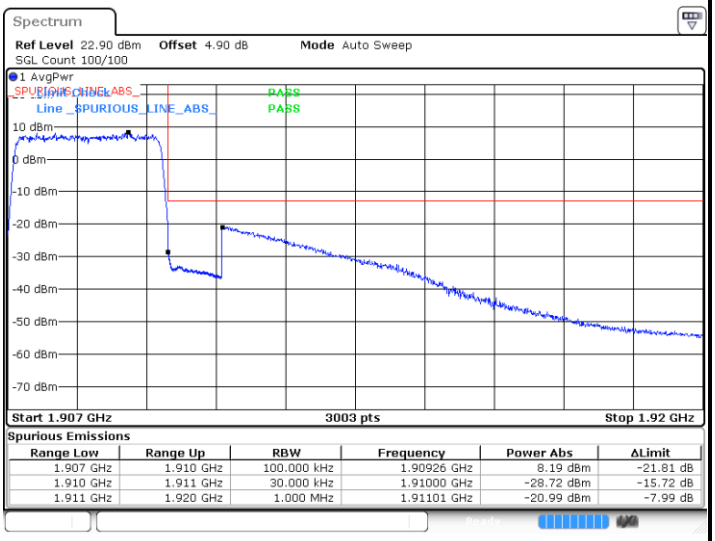



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84898 GHz | -23.04 dBm | -10.04 dB |
| 1.849 GHz | 1.850 GHz | 30.000 kHz | 1.85000 GHz | -29.14 dBm | -16.14 dB |
| 1.850 GHz | 1.853 GHz | 100.000 kHz | 1.85164 GHz | 7.94 dBm | -22.06 dB |

Date: 31.DEC.2019 01:08:09

### Highest Band Edge / Full RB



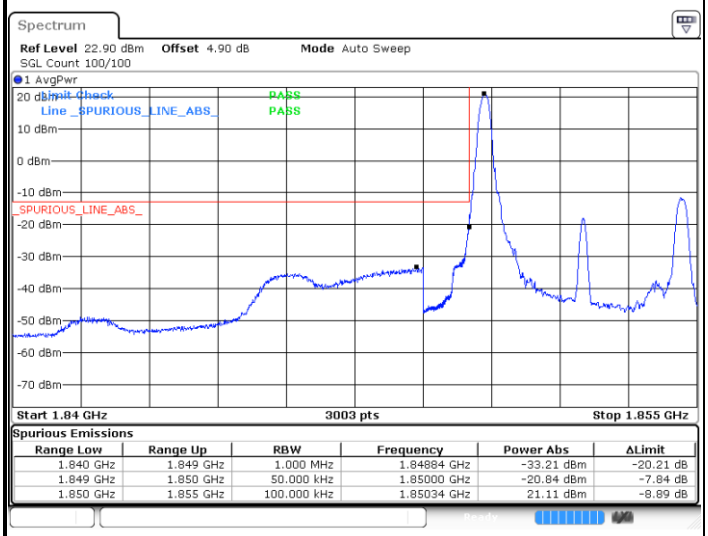

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.907 GHz | 1.910 GHz | 100.000 kHz | 1.90926 GHz | 8.19 dBm | -21.81 dB |
| 1.910 GHz | 1.911 GHz | 30.000 kHz | 1.91000 GHz | -28.72 dBm | -15.72 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91101 GHz | -20.99 dBm | -7.99 dB |

Date: 31.DEC.2019 01:17:37

## LTE Band 2 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

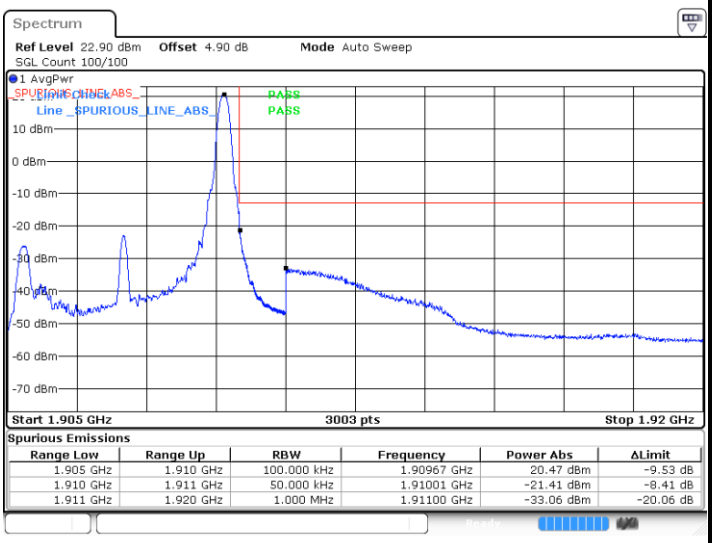



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84884 GHz | -33.21 dBm | -20.21 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.85000 GHz | -20.84 dBm | -7.84 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85034 GHz | 21.11 dBm | -8.89 dB |

Date: 31.DEC.2019 01:21:13

### Highest Band Edge / 1 RB

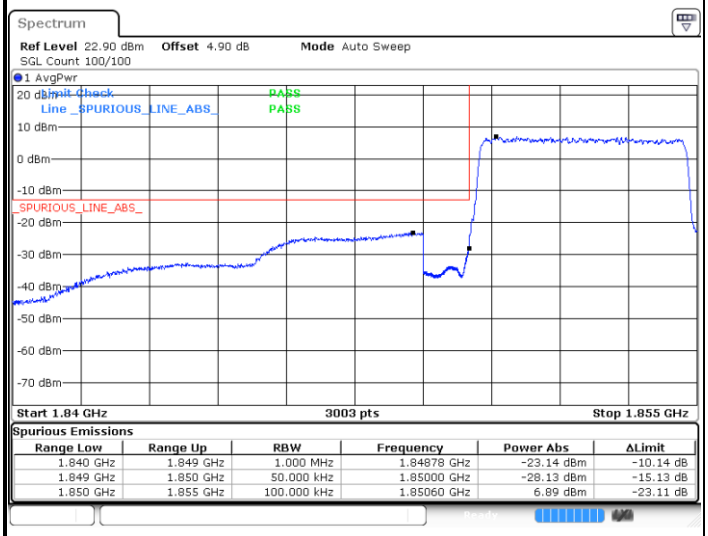



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.910 GHz | 100.000 kHz | 1.90967 GHz | 20.47 dBm | -9.53 dB |
| 1.910 GHz | 1.911 GHz | 50.000 kHz | 1.91001 GHz | -21.41 dBm | -8.41 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91100 GHz | -33.06 dBm | -20.06 dB |

Date: 31.DEC.2019 01:30:40

### Lowest Band Edge / Full RB

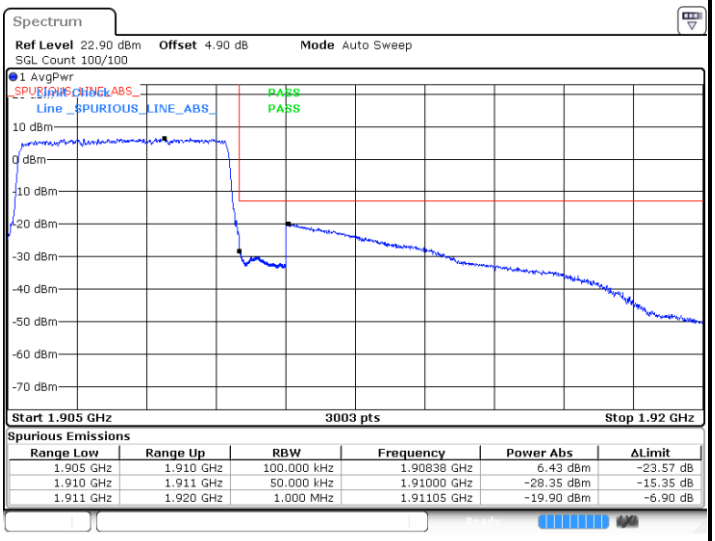



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84878 GHz | -23.14 dBm | -10.14 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.85000 GHz | -28.13 dBm | -15.13 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85060 GHz | 6.89 dBm | -23.11 dB |

Date: 31.DEC.2019 01:23:27

### Highest Band Edge / Full RB



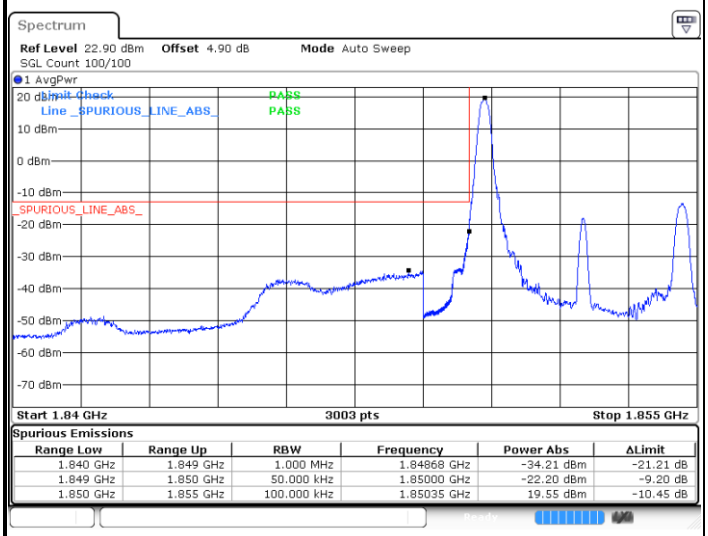

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.910 GHz | 100.000 kHz | 1.90838 GHz | 6.43 dBm | -23.57 dB |
| 1.910 GHz | 1.911 GHz | 50.000 kHz | 1.91000 GHz | -28.35 dBm | -15.35 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91105 GHz | -19.90 dBm | -6.90 dB |

Date: 31.DEC.2019 01:32:55

## LTE Band 2 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

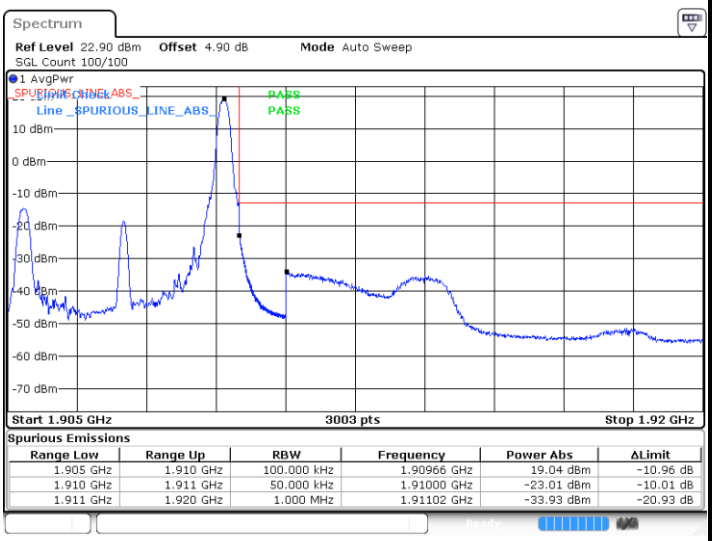



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84868 GHz | -34.21 dBm | -21.21 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.85000 GHz | -22.20 dBm | -9.20 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85035 GHz | 19.55 dBm | -10.45 dB |

Date: 31.DEC.2019 01:22:20

### Highest Band Edge / 1 RB

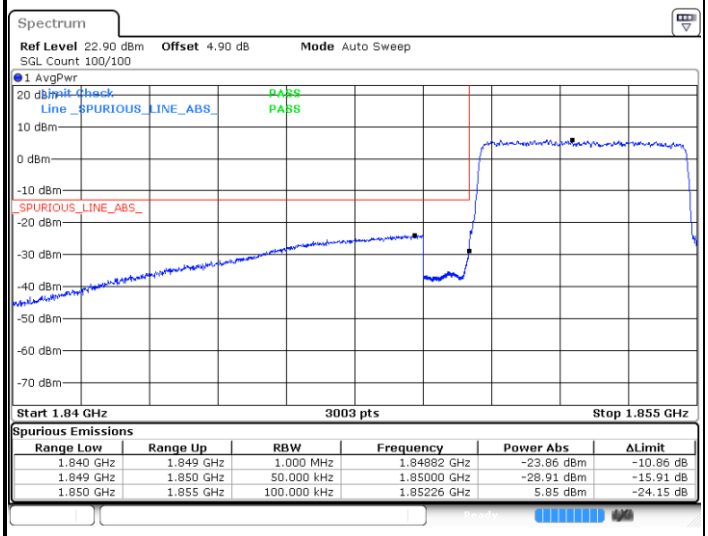



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.910 GHz | 100.000 kHz | 1.90966 GHz | 19.04 dBm | -10.96 dB |
| 1.910 GHz | 1.911 GHz | 50.000 kHz | 1.91000 GHz | -23.01 dBm | -10.01 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91102 GHz | -33.93 dBm | -20.93 dB |

Date: 31.DEC.2019 01:31:48

### Lowest Band Edge / Full RB

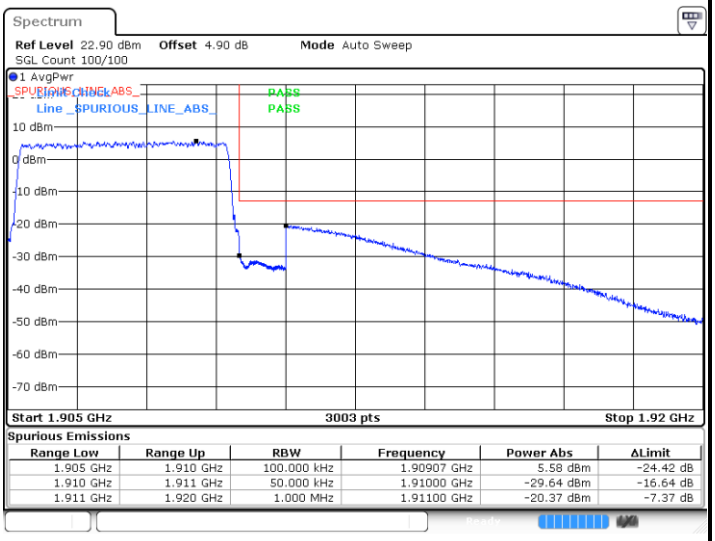



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84882 GHz | -23.86 dBm | -10.86 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.85000 GHz | -28.91 dBm | -15.91 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85226 GHz | 5.85 dBm | -24.15 dB |

Date: 31.DEC.2019 01:24:35

### Highest Band Edge / Full RB



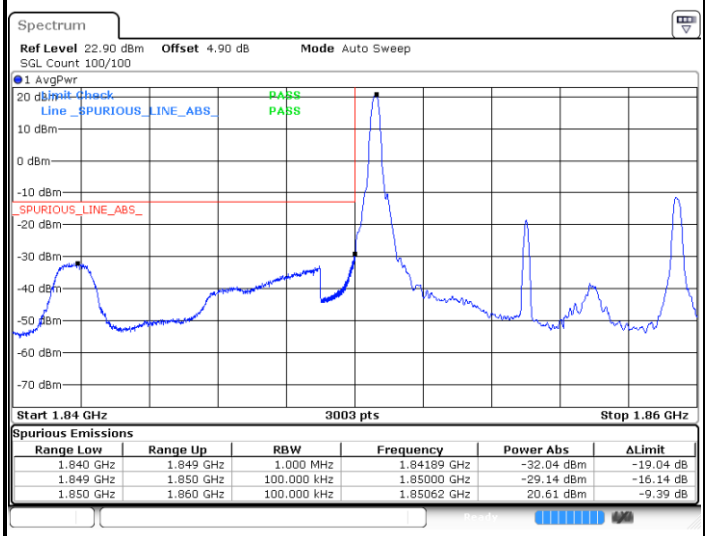

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.910 GHz | 100.000 kHz | 1.90907 GHz | 5.58 dBm | -24.42 dB |
| 1.910 GHz | 1.911 GHz | 50.000 kHz | 1.91000 GHz | -29.64 dBm | -16.64 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91100 GHz | -20.37 dBm | -7.37 dB |

Date: 31.DEC.2019 01:34:02

## LTE Band 2 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

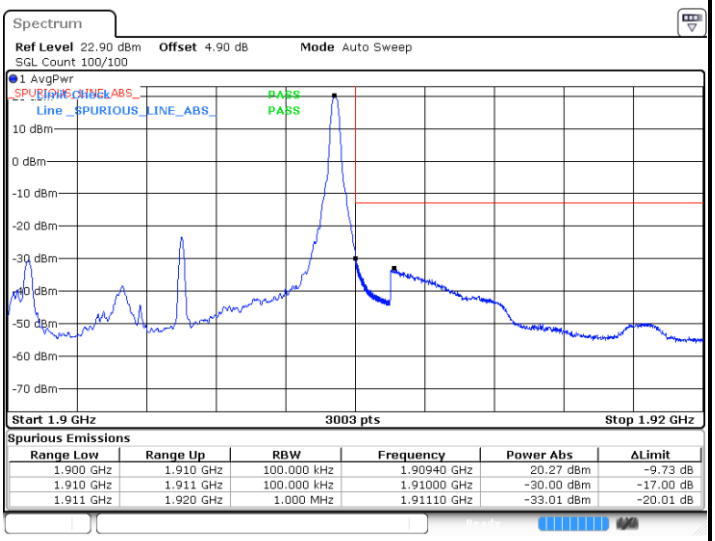



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84189 GHz | -32.04 dBm | -19.04 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.85000 GHz | -29.14 dBm | -16.14 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85062 GHz | 20.61 dBm | -9.39 dB |

Date: 31.DEC.2019 02:46:28

### Highest Band Edge / 1 RB

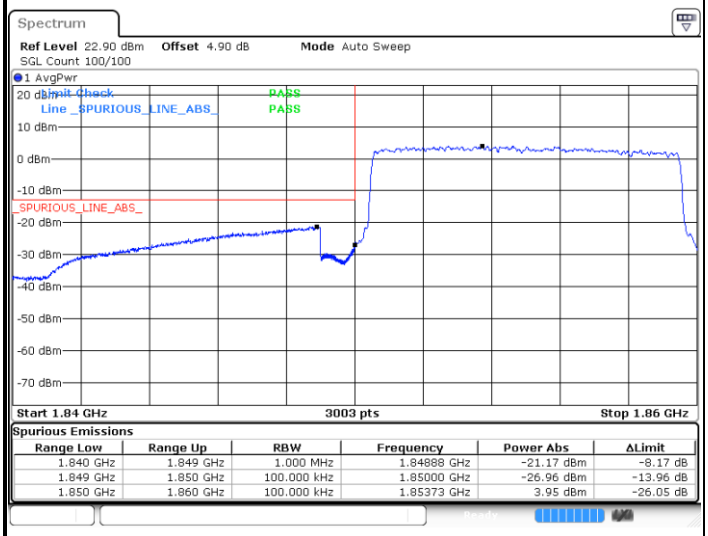



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.910 GHz | 100.000 kHz | 1.90940 GHz | 20.27 dBm | -9.73 dB |
| 1.910 GHz | 1.911 GHz | 100.000 kHz | 1.91000 GHz | -30.00 dBm | -17.00 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91110 GHz | -33.01 dBm | -20.01 dB |

Date: 31.DEC.2019 02:54:09

### Lowest Band Edge / Full RB

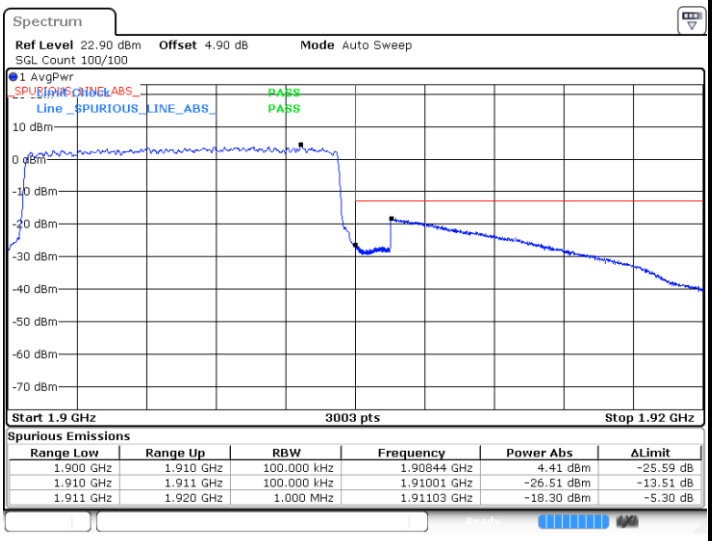



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84888 GHz | -21.17 dBm | -8.17 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.85000 GHz | -26.96 dBm | -13.96 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85373 GHz | 3.95 dBm | -26.05 dB |

Date: 31.DEC.2019 02:48:43

### Highest Band Edge / Full RB



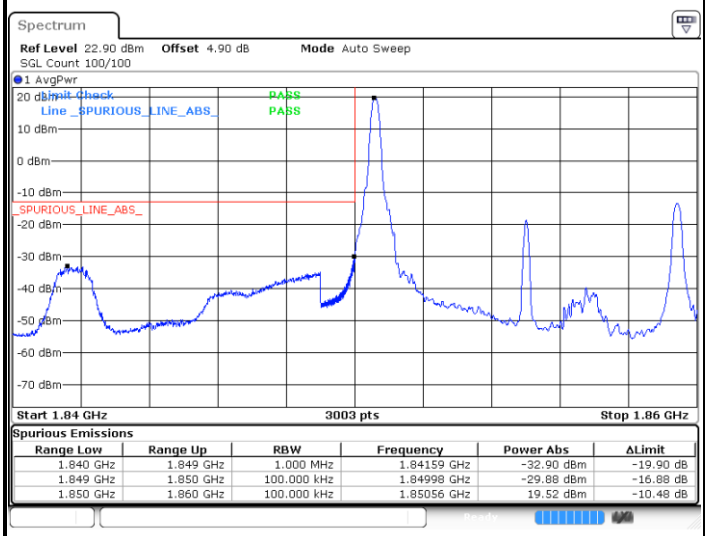

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.910 GHz | 100.000 kHz | 1.90844 GHz | 4.41 dBm | -25.59 dB |
| 1.910 GHz | 1.911 GHz | 100.000 kHz | 1.91001 GHz | -26.51 dBm | -13.51 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91103 GHz | -18.30 dBm | -5.30 dB |

Date: 31.DEC.2019 02:56:23

## LTE Band 2 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

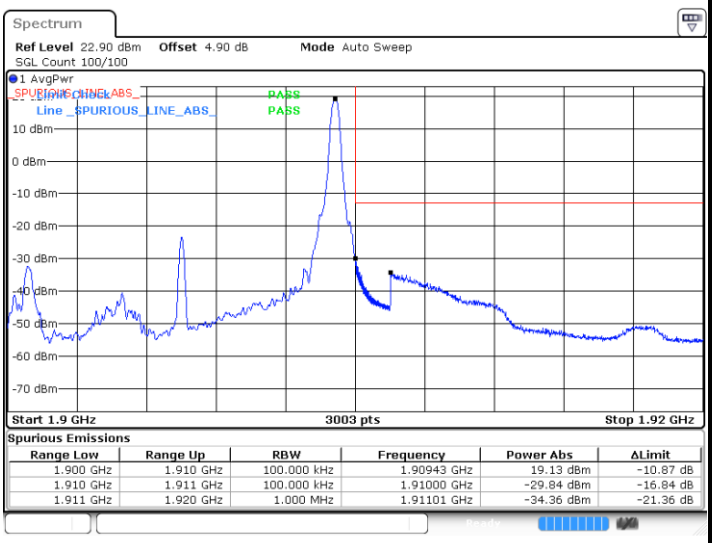



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84159 GHz | -32.90 dBm | -19.90 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.84998 GHz | -29.88 dBm | -16.88 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85056 GHz | 19.52 dBm | -10.48 dB |

Date: 31.DEC.2019 02:47:36

### Highest Band Edge / 1 RB

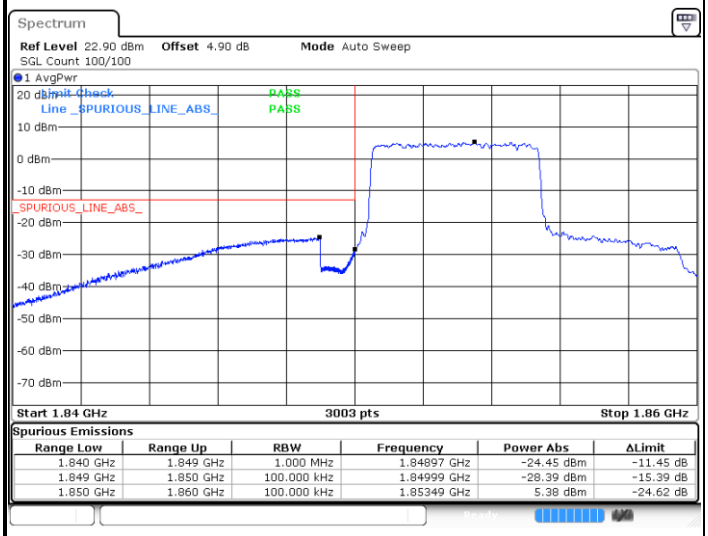



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.910 GHz | 100.000 kHz | 1.90943 GHz | 19.13 dBm | -10.87 dB |
| 1.910 GHz | 1.911 GHz | 100.000 kHz | 1.91000 GHz | -29.84 dBm | -16.84 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91101 GHz | -34.36 dBm | -21.36 dB |

Date: 31.DEC.2019 02:55:16

### Lowest Band Edge / Full RB

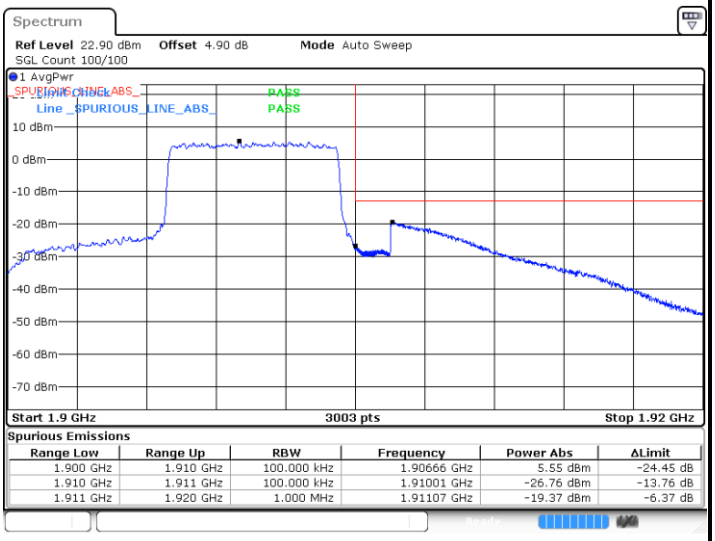



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84897 GHz | -24.45 dBm | -11.45 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.84999 GHz | -28.39 dBm | -15.39 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85349 GHz | 5.38 dBm | -24.62 dB |

Date: 2.JAN.2020 00:15:11

### Highest Band Edge / Full RB



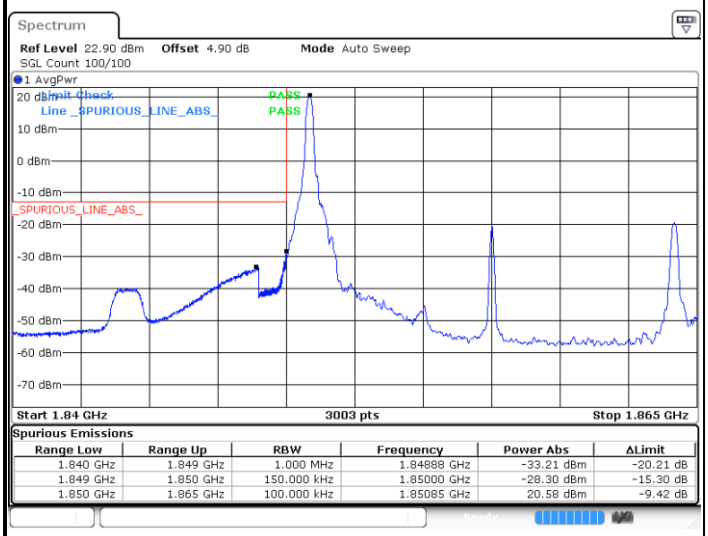

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.910 GHz | 100.000 kHz | 1.90666 GHz | 5.55 dBm | -24.45 dB |
| 1.910 GHz | 1.911 GHz | 100.000 kHz | 1.91001 GHz | -26.76 dBm | -13.76 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91107 GHz | -19.37 dBm | -6.37 dB |

Date: 2.JAN.2020 00:27:09

## LTE Band 2 / 15MHz / QPSK

### Lowest Band Edge / 1 RB

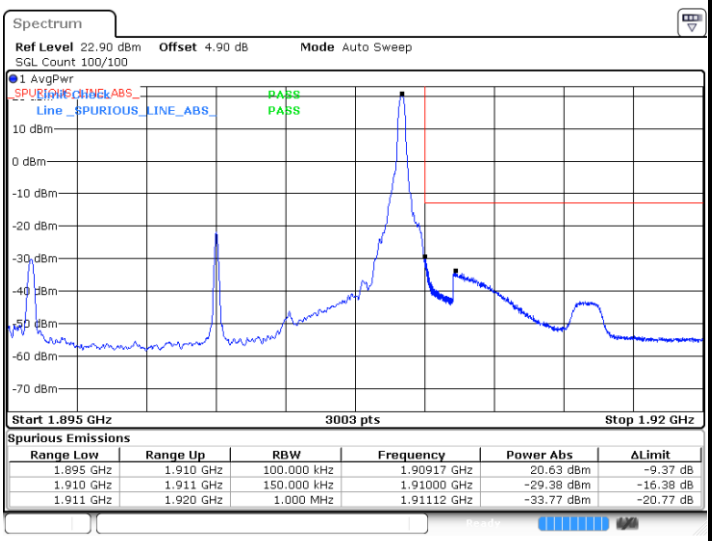



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84888 GHz | -33.21 dBm | -20.21 dB |
| 1.849 GHz | 1.850 GHz | 150.000 kHz | 1.85000 GHz | -28.30 dBm | -15.30 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85085 GHz | 20.58 dBm | -9.42 dB |

Date: 31.DEC.2019 02:59:40

### Highest Band Edge / 1 RB

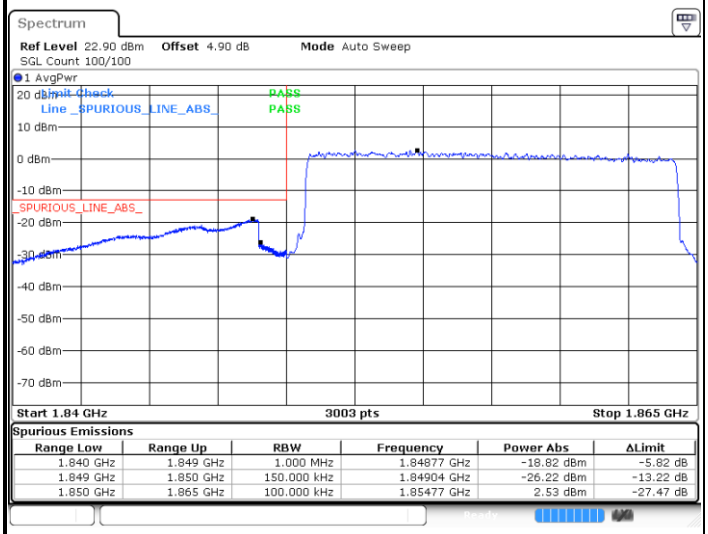



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.910 GHz | 100.000 kHz | 1.90917 GHz | 20.63 dBm | -9.37 dB |
| 1.910 GHz | 1.911 GHz | 150.000 kHz | 1.91000 GHz | -29.38 dBm | -16.38 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91112 GHz | -33.77 dBm | -20.77 dB |

Date: 31.DEC.2019 03:07:20

### Lowest Band Edge / Full RB

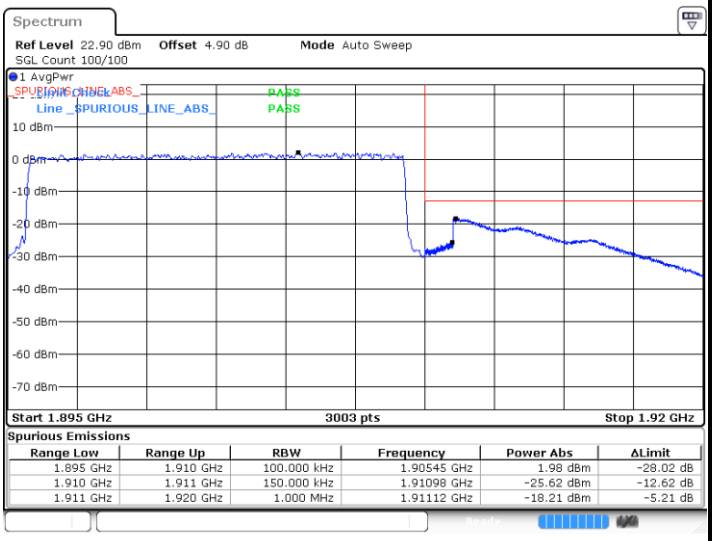



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84877 GHz | -18.82 dBm | -5.82 dB |
| 1.849 GHz | 1.850 GHz | 150.000 kHz | 1.84904 GHz | -26.22 dBm | -13.22 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85477 GHz | 2.53 dBm | -27.47 dB |

Date: 31.DEC.2019 03:01:55

### Highest Band Edge / Full RB



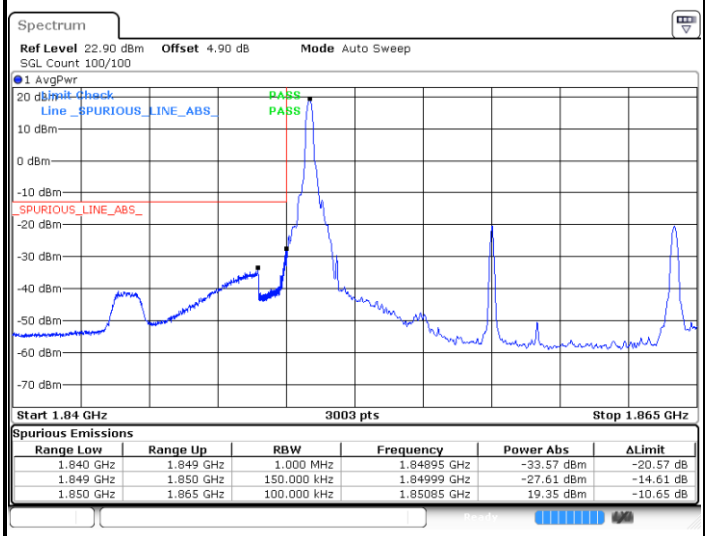

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.910 GHz | 100.000 kHz | 1.90545 GHz | 1.98 dBm | -28.02 dB |
| 1.910 GHz | 1.911 GHz | 150.000 kHz | 1.91098 GHz | -25.62 dBm | -12.62 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91112 GHz | -18.21 dBm | -5.21 dB |

Date: 31.DEC.2019 03:09:35

## LTE Band 2 / 15MHz / 16QAM

### Lowest Band Edge / 1 RB

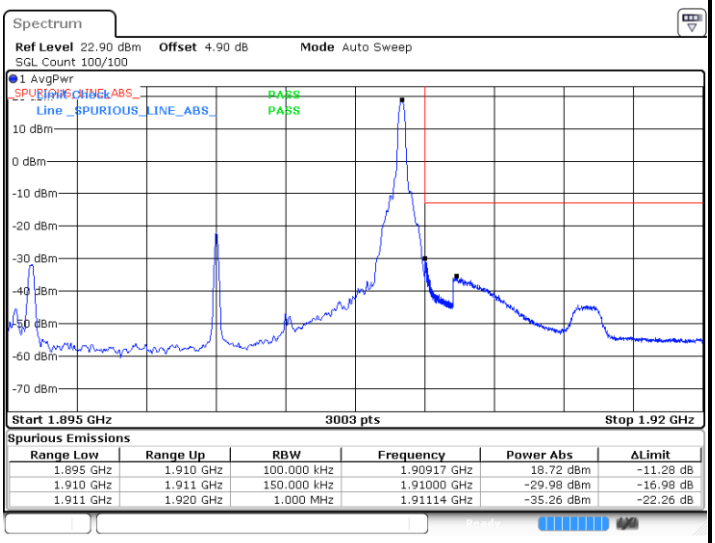



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84895 GHz | -33.57 dBm | -20.57 dB |
| 1.849 GHz | 1.850 GHz | 150.000 kHz | 1.84999 GHz | -27.61 dBm | -14.61 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85085 GHz | 19.35 dBm | -10.65 dB |

Date: 31.DEC.2019 03:00:47

### Highest Band Edge / 1 RB

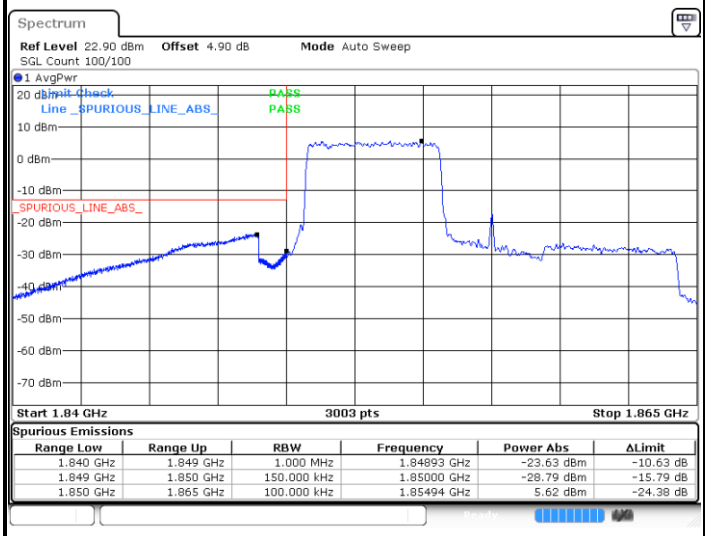



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.910 GHz | 100.000 kHz | 1.90917 GHz | 18.72 dBm | -11.28 dB |
| 1.910 GHz | 1.911 GHz | 150.000 kHz | 1.91000 GHz | -29.98 dBm | -16.98 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91114 GHz | -35.26 dBm | -22.26 dB |

Date: 31.DEC.2019 03:08:27

### Lowest Band Edge / Full RB

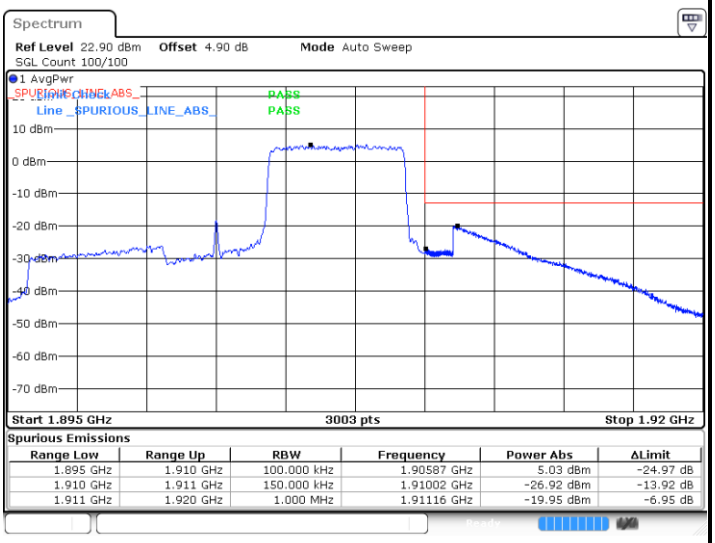



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84893 GHz | -23.63 dBm | -10.63 dB |
| 1.849 GHz | 1.850 GHz | 150.000 kHz | 1.85000 GHz | -28.79 dBm | -15.79 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85494 GHz | 5.62 dBm | -24.38 dB |

Date: 2.JAN.2020 00:37:56

### Highest Band Edge / Full RB



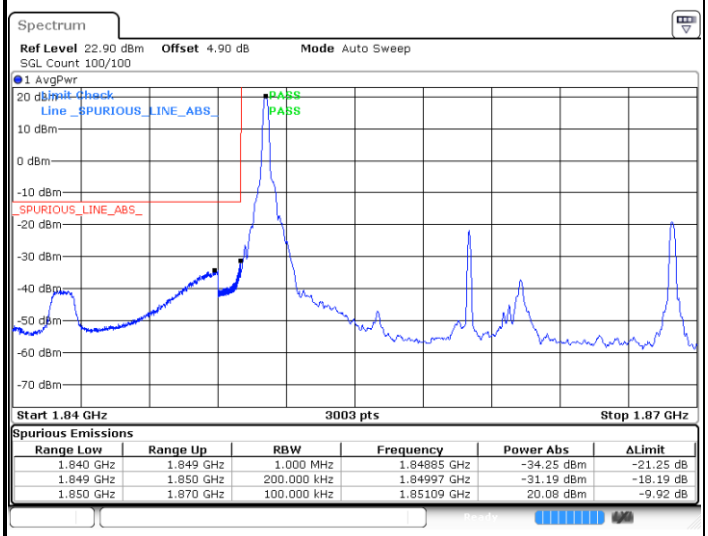

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.910 GHz | 100.000 kHz | 1.90587 GHz | 5.03 dBm | -24.97 dB |
| 1.910 GHz | 1.911 GHz | 150.000 kHz | 1.91002 GHz | -26.92 dBm | -13.92 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91116 GHz | -19.95 dBm | -6.95 dB |

Date: 2.JAN.2020 00:50:11

## LTE Band 2 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

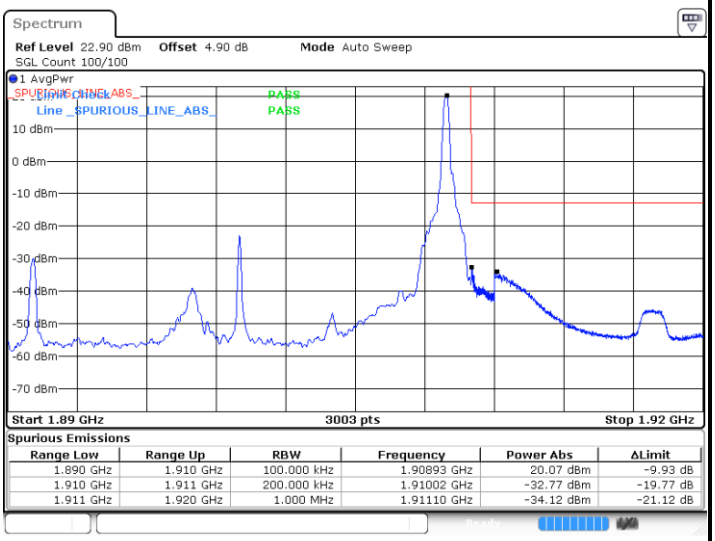



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84885 GHz | -34.25 dBm | -21.25 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84997 GHz | -31.19 dBm | -18.19 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85109 GHz | 20.08 dBm | -9.92 dB |

Date: 31.DEC.2019 03:12:51

### Highest Band Edge / 1 RB

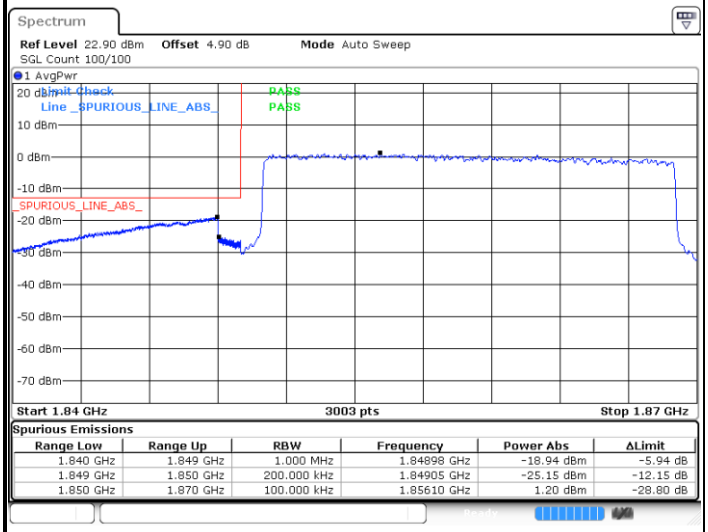



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.890 GHz | 1.910 GHz | 100.000 kHz | 1.90893 GHz | 20.07 dBm | -9.93 dB |
| 1.910 GHz | 1.911 GHz | 200.000 kHz | 1.91002 GHz | -32.77 dBm | -19.77 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91110 GHz | -34.12 dBm | -21.12 dB |

Date: 31.DEC.2019 03:20:30

### Lowest Band Edge / Full RB

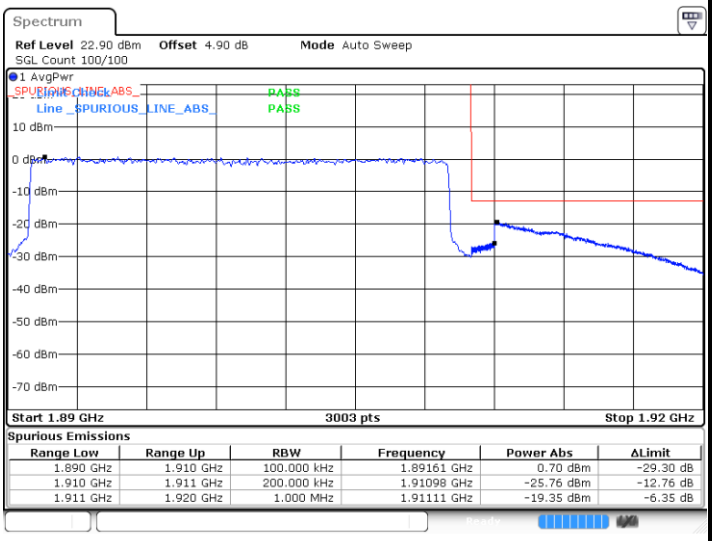



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84898 GHz | -18.94 dBm | -5.94 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84905 GHz | -25.15 dBm | -12.15 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85610 GHz | 1.20 dBm | -28.80 dB |

Date: 31.DEC.2019 03:15:06

### Highest Band Edge / Full RB



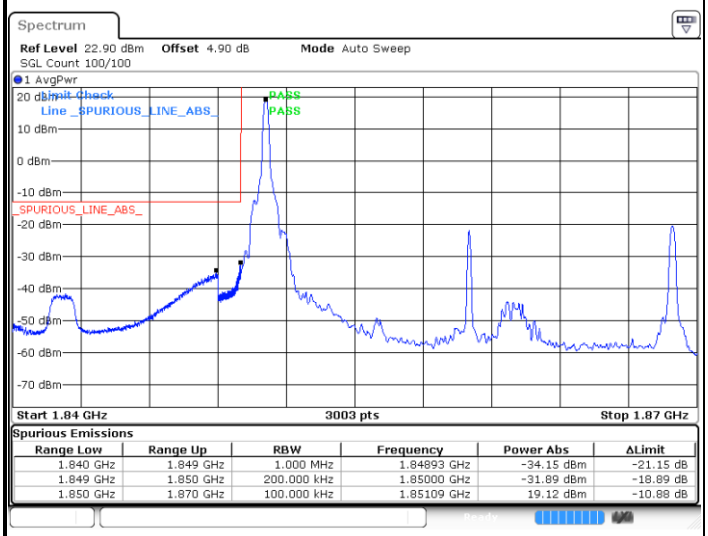

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.890 GHz | 1.910 GHz | 100.000 kHz | 1.89161 GHz | 0.70 dBm | -29.30 dB |
| 1.910 GHz | 1.911 GHz | 200.000 kHz | 1.91098 GHz | -25.76 dBm | -12.76 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91111 GHz | -19.35 dBm | -6.35 dB |

Date: 31.DEC.2019 03:22:45

## LTE Band 2 / 20MHz / 16QAM

### Lowest Band Edge / 1 RB

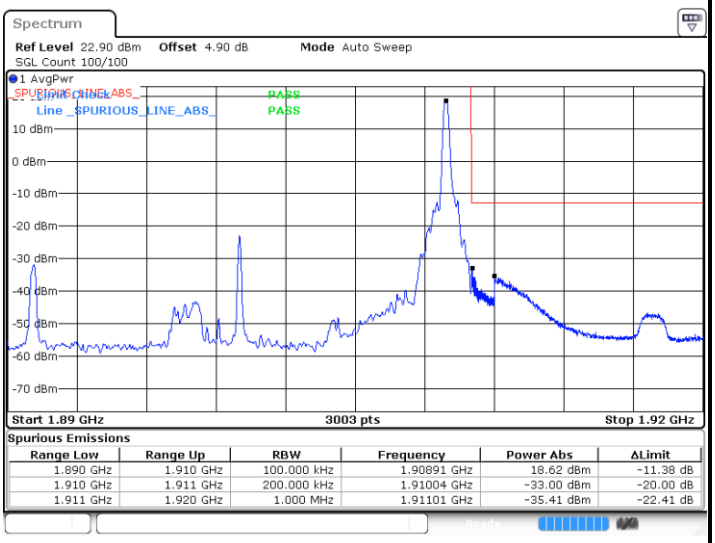



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84893 GHz | -34.15 dBm | -21.15 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.85000 GHz | -31.89 dBm | -18.89 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85109 GHz | 19.12 dBm | -10.88 dB |

Date: 31.DEC.2019 03:13:58

### Highest Band Edge / 1 RB

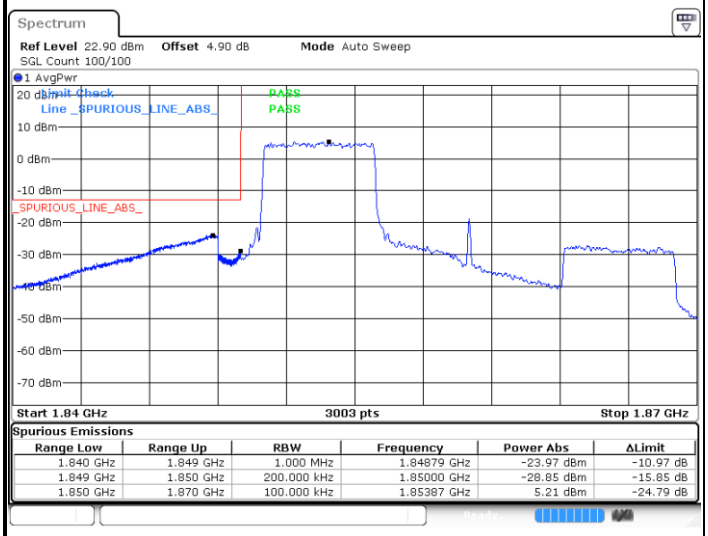



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.890 GHz | 1.910 GHz | 100.000 kHz | 1.90891 GHz | 18.62 dBm | -11.38 dB |
| 1.910 GHz | 1.911 GHz | 200.000 kHz | 1.91004 GHz | -33.00 dBm | -20.00 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91101 GHz | -35.41 dBm | -22.41 dB |

Date: 31.DEC.2019 03:21:38

### Lowest Band Edge / Full RB

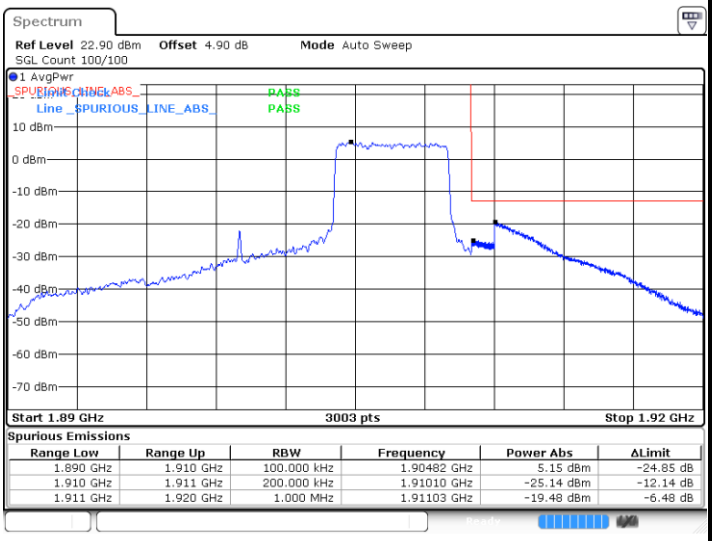



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84879 GHz | -23.97 dBm | -10.97 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.85000 GHz | -28.85 dBm | -15.85 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85387 GHz | 5.21 dBm | -24.79 dB |

Date: 2.JAN.2020 00:53:56

### Highest Band Edge / Full RB




Spurious Emissions

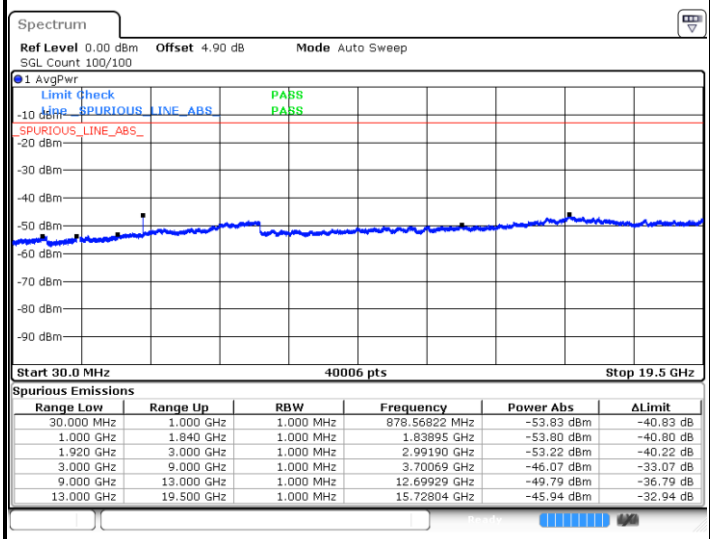
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.890 GHz | 1.910 GHz | 100.000 kHz | 1.90482 GHz | 5.15 dBm | -24.85 dB |
| 1.910 GHz | 1.911 GHz | 200.000 kHz | 1.91010 GHz | -25.14 dBm | -12.14 dB |
| 1.911 GHz | 1.920 GHz | 1.000 MHz | 1.91103 GHz | -19.48 dBm | -6.48 dB |

Date: 2.JAN.2020 00:55:26

# Conducted Spurious Emission

## LTE Band 2 / 1.4MHz

### Lowest Channel / QPSK

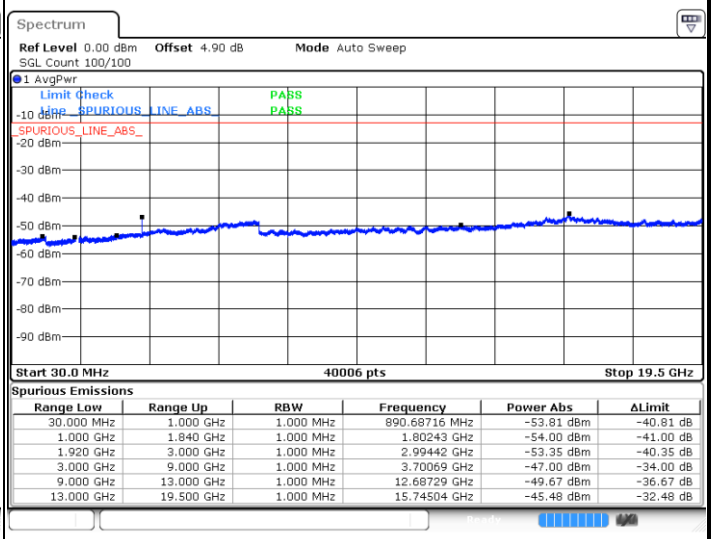



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 878.56822 MHz | -53.83 dBm | -40.83 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83895 GHz | -53.80 dBm | -40.80 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99190 GHz | -53.22 dBm | -40.22 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -46.07 dBm | -33.07 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69929 GHz | -49.79 dBm | -36.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72804 GHz | -45.94 dBm | -32.94 dB |

Date: 31.DEC.2019 00:52:36

### Lowest Channel / 16QAM

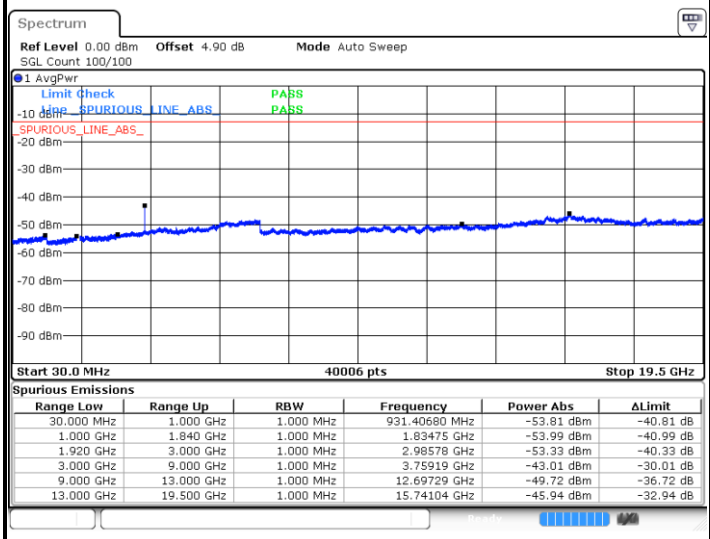



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 890.68716 MHz | -53.81 dBm | -40.81 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80243 GHz | -54.00 dBm | -41.00 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99442 GHz | -53.35 dBm | -40.35 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -47.00 dBm | -34.00 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.68729 GHz | -49.67 dBm | -36.67 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74504 GHz | -45.48 dBm | -32.48 dB |

Date: 31.DEC.2019 00:53:31

### Middle Channel / QPSK

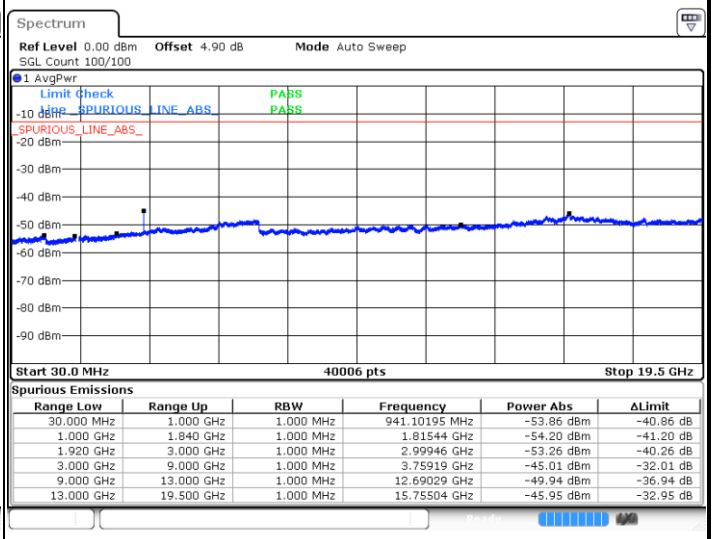



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 931.40680 MHz | -53.81 dBm | -40.81 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83475 GHz | -53.99 dBm | -40.99 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98578 GHz | -53.33 dBm | -40.33 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75919 GHz | -43.01 dBm | -30.01 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69729 GHz | -49.72 dBm | -36.72 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74104 GHz | -45.94 dBm | -32.94 dB |

Date: 31.DEC.2019 00:55:05

### Middle Channel / 16QAM



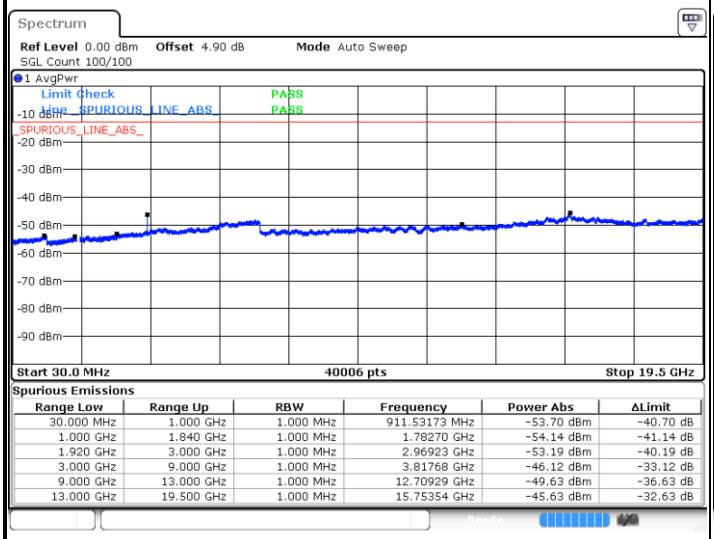

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 941.10195 MHz | -53.86 dBm | -40.86 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.81544 GHz | -54.20 dBm | -41.20 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99946 GHz | -53.26 dBm | -40.26 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75919 GHz | -45.01 dBm | -32.01 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69029 GHz | -49.94 dBm | -36.94 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.75504 GHz | -45.95 dBm | -32.95 dB |

Date: 31.DEC.2019 00:56:00

## LTE Band 2 / 1.4MHz

### Highest Channel / QPSK

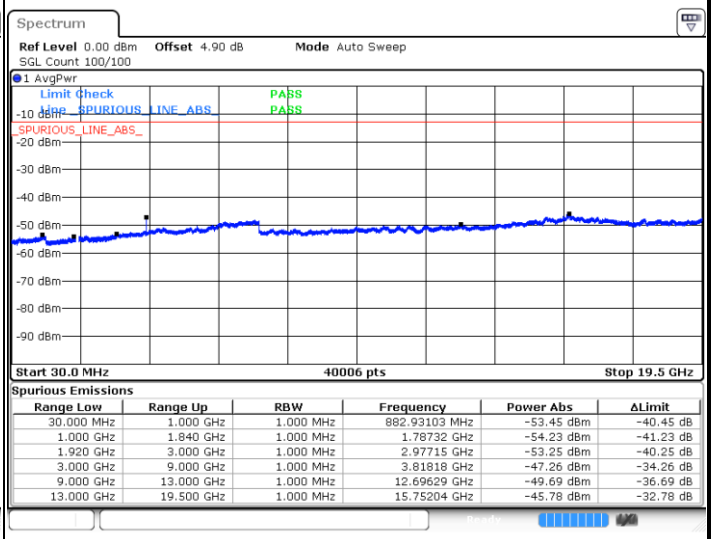



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 911.53173 MHz | -53.70 dBm | -40.70 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.78270 GHz | -54.14 dBm | -41.14 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.96923 GHz | -53.19 dBm | -40.19 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81768 GHz | -46.12 dBm | -33.12 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70929 GHz | -49.63 dBm | -36.63 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.75354 GHz | -45.63 dBm | -32.63 dB |

Date: 31.DEC.2019 01:02:04

### Highest Channel / 16QAM



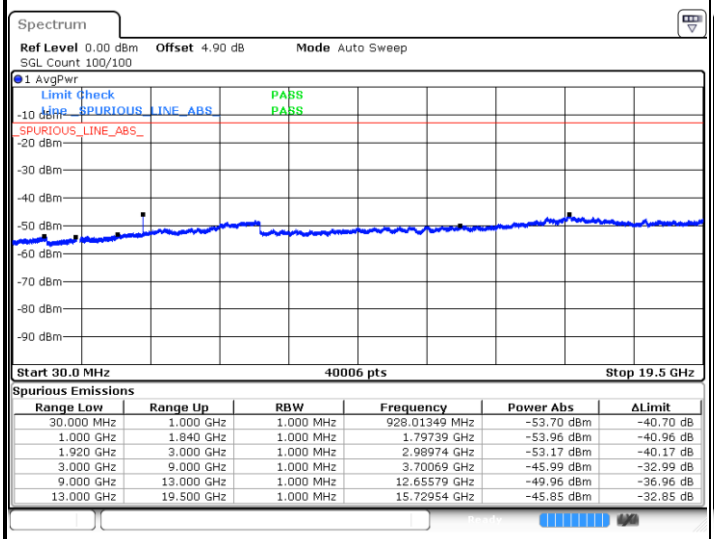

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 882.93103 MHz | -53.45 dBm | -40.45 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.78732 GHz | -54.23 dBm | -41.23 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.97715 GHz | -53.25 dBm | -40.25 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81818 GHz | -47.26 dBm | -34.26 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69629 GHz | -49.69 dBm | -36.69 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.75204 GHz | -45.78 dBm | -32.78 dB |

Date: 31.DEC.2019 01:02:58

## LTE Band 2 / 3MHz

### Lowest Channel / QPSK

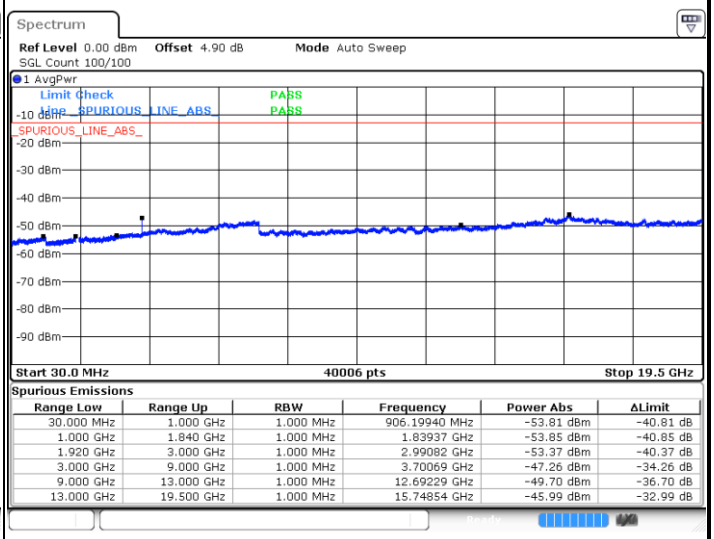



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 928.01349 MHz | -53.70 dBm | -40.70 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79739 GHz | -53.96 dBm | -40.96 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98974 GHz | -53.17 dBm | -40.17 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -45.99 dBm | -32.99 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.65579 GHz | -49.96 dBm | -36.96 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72954 GHz | -45.85 dBm | -32.85 dB |

Date: 31.DEC.2019 01:09:02

### Lowest Channel / 16QAM



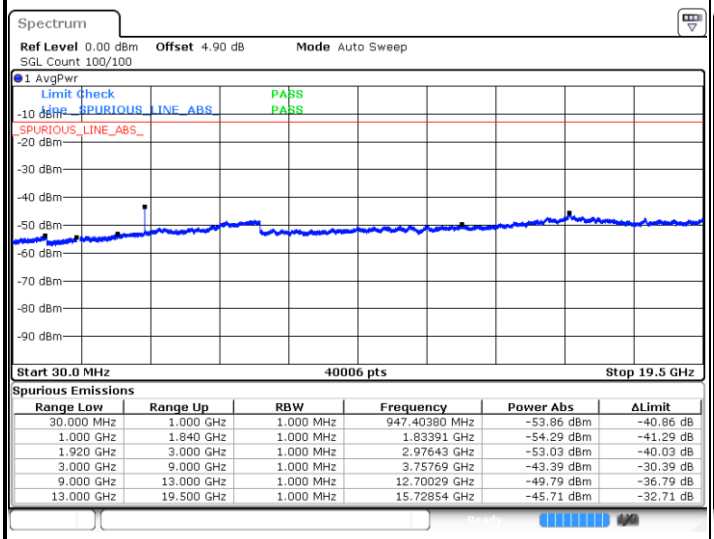

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 906.19940 MHz | -53.81 dBm | -40.81 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83937 GHz | -53.85 dBm | -40.85 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99082 GHz | -53.37 dBm | -40.37 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -47.26 dBm | -34.26 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69229 GHz | -49.70 dBm | -36.70 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74854 GHz | -45.99 dBm | -32.99 dB |

Date: 31.DEC.2019 01:09:57

## LTE Band 2 / 3MHz

### Middle Channel / QPSK

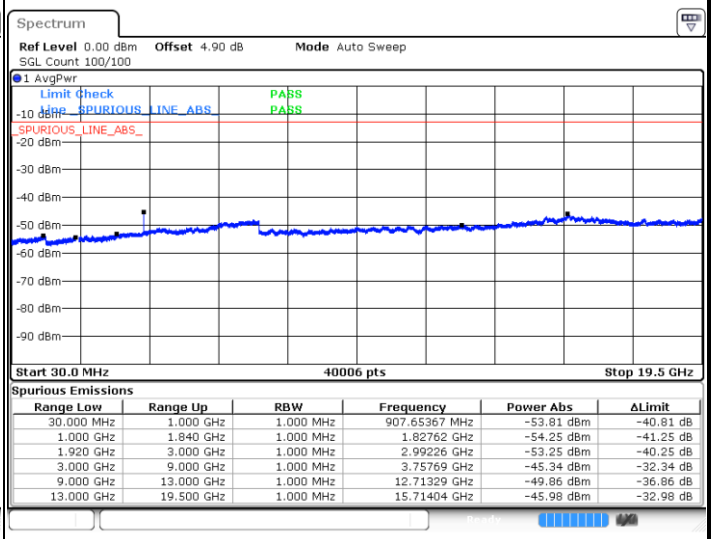



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 947.40380 MHz | -53.86 dBm | -40.86 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83391 GHz | -54.29 dBm | -41.29 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.97643 GHz | -53.03 dBm | -40.03 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75769 GHz | -43.39 dBm | -30.39 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70029 GHz | -49.79 dBm | -36.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72854 GHz | -45.71 dBm | -32.71 dB |

Date: 31.DEC.2019 01:11:31

### Middle Channel / 16QAM

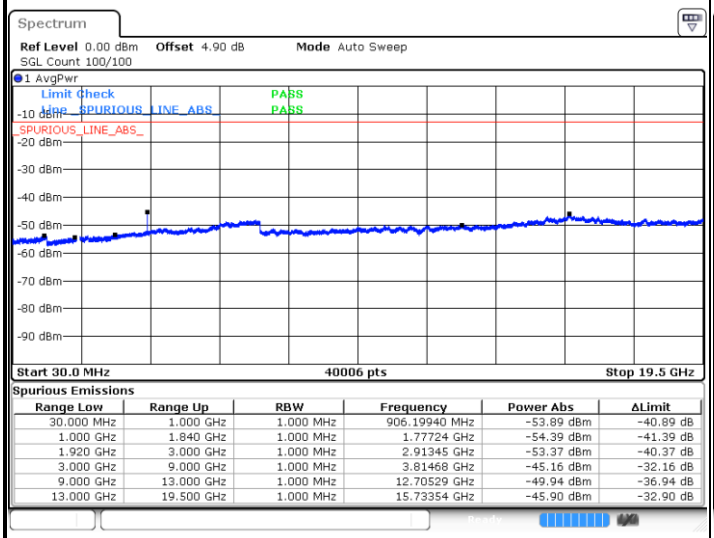



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 907.65367 MHz | -53.81 dBm | -40.81 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82762 GHz | -54.25 dBm | -41.25 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99226 GHz | -53.25 dBm | -40.25 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75769 GHz | -45.34 dBm | -32.34 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.71329 GHz | -49.86 dBm | -36.86 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.71404 GHz | -45.98 dBm | -32.98 dB |

Date: 31.DEC.2019 01:12:26

### Highest Channel / QPSK

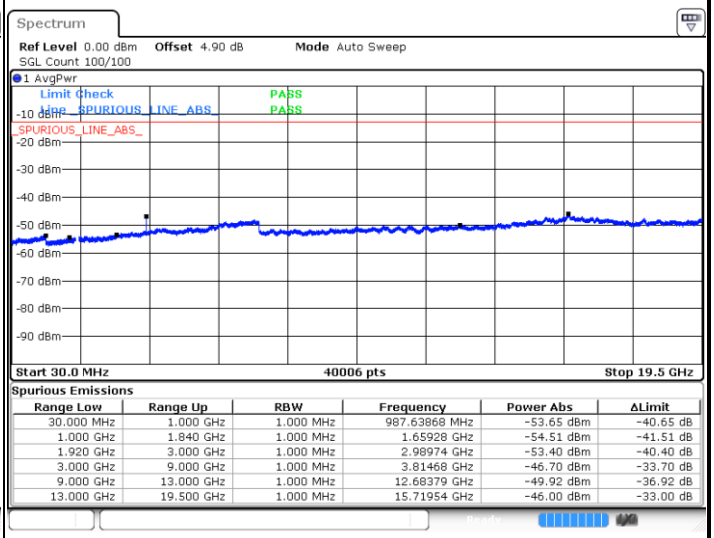



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 906.19940 MHz | -53.89 dBm | -40.89 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.77724 GHz | -54.39 dBm | -41.39 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.91345 GHz | -53.37 dBm | -40.37 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81468 GHz | -45.16 dBm | -32.16 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70529 GHz | -49.94 dBm | -36.94 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73354 GHz | -45.90 dBm | -32.90 dB |

Date: 31.DEC.2019 01:18:30

### Highest Channel / 16QAM



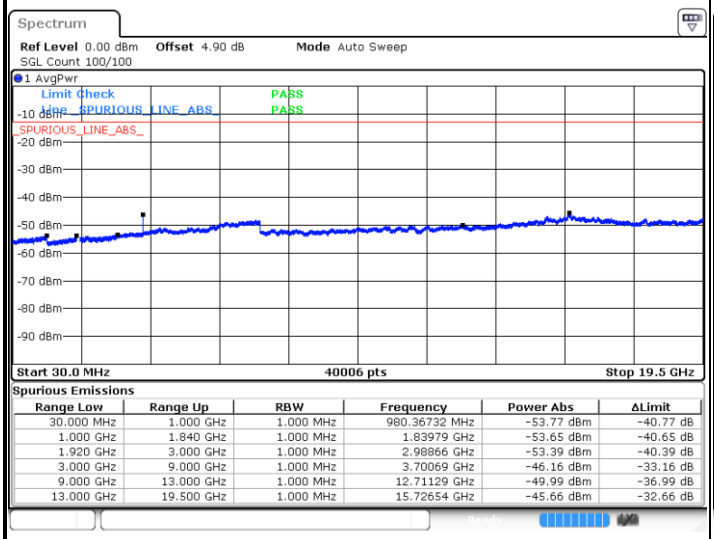

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 987.63868 MHz | -53.65 dBm | -40.65 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.65928 GHz | -54.51 dBm | -41.51 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98974 GHz | -53.40 dBm | -40.40 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81468 GHz | -46.70 dBm | -33.70 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.68379 GHz | -49.92 dBm | -36.92 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.71954 GHz | -46.00 dBm | -33.00 dB |

Date: 31.DEC.2019 01:19:24

## LTE Band 2 / 5MHz

### Lowest Channel / QPSK

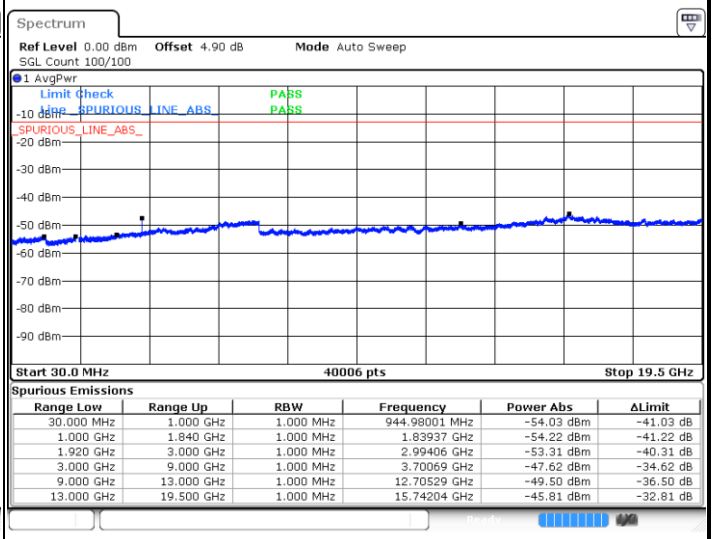



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 980.36732 MHz | -53.77 dBm | -40.77 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83979 GHz | -53.65 dBm | -40.65 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98866 GHz | -53.39 dBm | -40.39 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -46.16 dBm | -33.16 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.71129 GHz | -49.99 dBm | -36.99 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72654 GHz | -45.66 dBm | -32.66 dB |

Date: 31.DEC.2019 01:25:28

### Lowest Channel / 16QAM

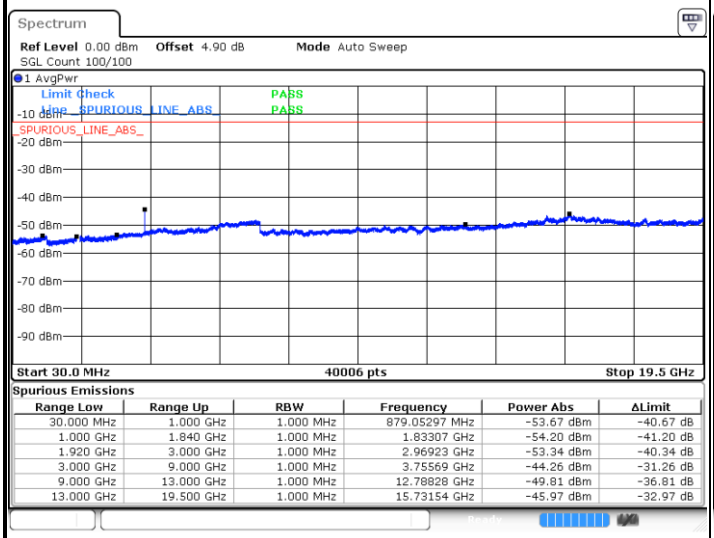



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 944.98001 MHz | -54.03 dBm | -41.03 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83937 GHz | -54.22 dBm | -41.22 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99406 GHz | -53.31 dBm | -40.31 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70069 GHz | -47.62 dBm | -34.62 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70529 GHz | -49.50 dBm | -36.50 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74204 GHz | -45.81 dBm | -32.81 dB |

Date: 31.DEC.2019 01:26:23

### Middle Channel / QPSK

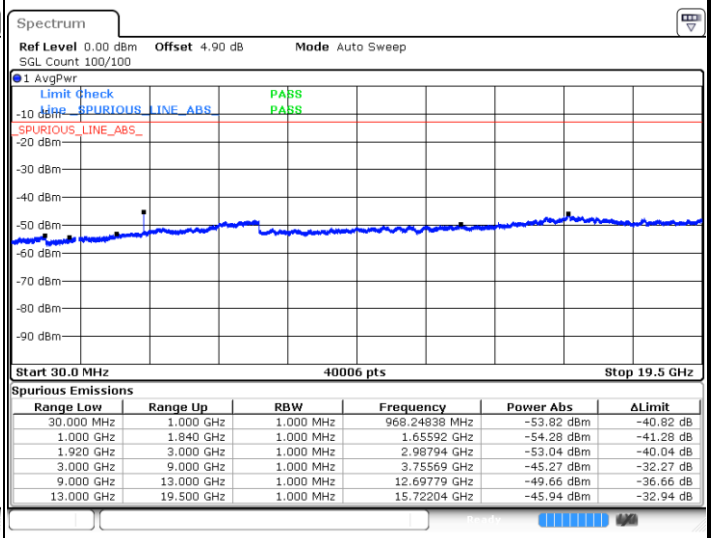



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 879.05297 MHz | -53.67 dBm | -40.67 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83307 GHz | -54.20 dBm | -41.20 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.96923 GHz | -53.34 dBm | -40.34 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75569 GHz | -44.26 dBm | -31.26 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.78828 GHz | -49.81 dBm | -36.81 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73154 GHz | -45.97 dBm | -32.97 dB |

Date: 31.DEC.2019 01:27:57

### Middle Channel / 16QAM



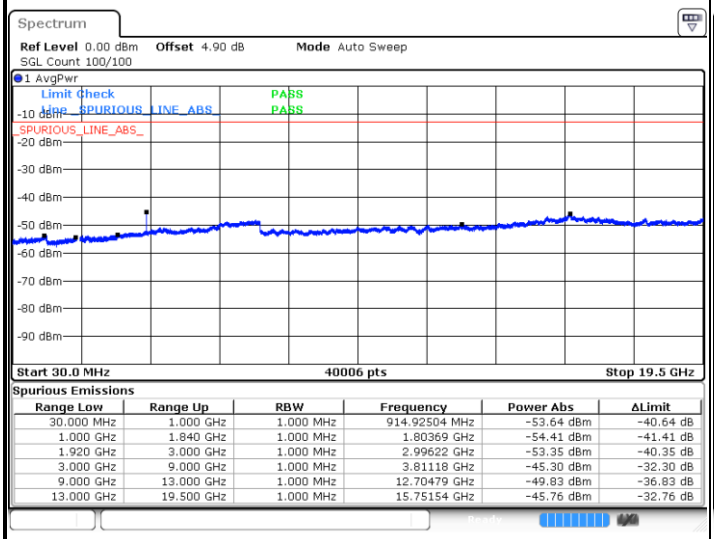

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 968.24838 MHz | -53.82 dBm | -40.82 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.65592 GHz | -54.28 dBm | -41.28 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98794 GHz | -53.04 dBm | -40.04 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75569 GHz | -45.27 dBm | -32.27 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69779 GHz | -49.66 dBm | -36.66 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72204 GHz | -45.94 dBm | -32.94 dB |

Date: 31.DEC.2019 01:28:52

## LTE Band 2 / 5MHz

### Highest Channel / QPSK

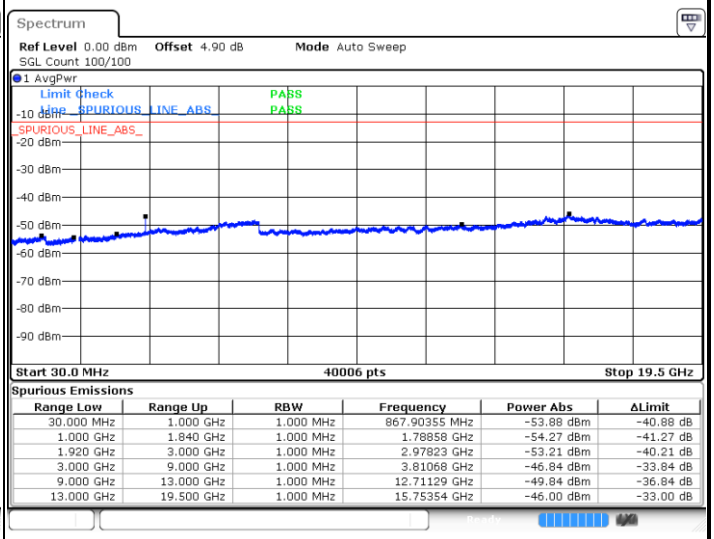



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 914.92504 MHz | -53.64 dBm | -40.64 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80369 GHz | -54.41 dBm | -41.41 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99622 GHz | -53.35 dBm | -40.35 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81118 GHz | -45.30 dBm | -32.30 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70479 GHz | -49.83 dBm | -36.83 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.75154 GHz | -45.76 dBm | -32.76 dB |

Date: 31.DEC.2019 01:34:56

### Highest Channel / 16QAM



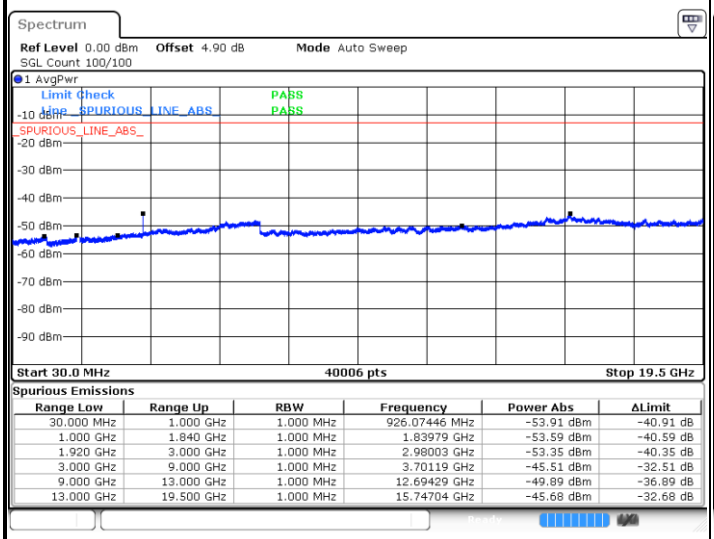

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 867.90355 MHz | -53.88 dBm | -40.88 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.78858 GHz | -54.27 dBm | -41.27 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.97823 GHz | -53.21 dBm | -40.21 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.81068 GHz | -46.84 dBm | -33.84 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.71129 GHz | -49.84 dBm | -36.84 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.75354 GHz | -46.00 dBm | -33.00 dB |

Date: 31.DEC.2019 01:35:50

## LTE Band 2 / 10MHz

### Lowest Channel / QPSK

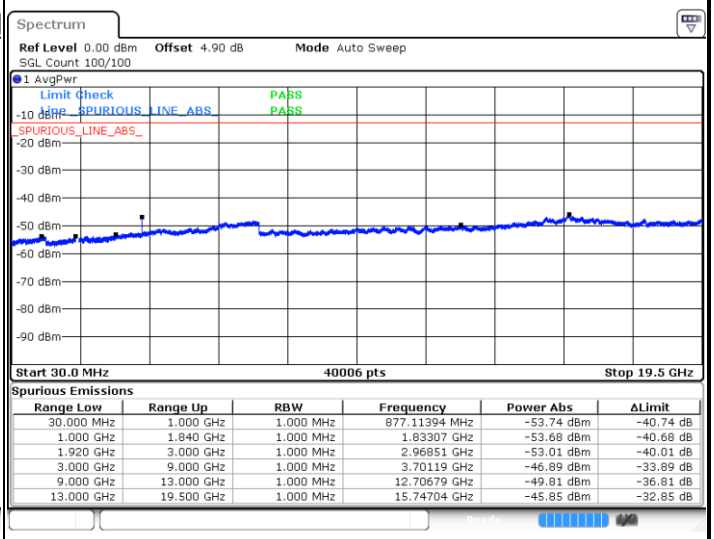



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 926.07446 MHz | -53.91 dBm | -40.91 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83979 GHz | -53.59 dBm | -40.59 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98003 GHz | -53.35 dBm | -40.35 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70119 GHz | -45.51 dBm | -32.51 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69429 GHz | -49.89 dBm | -36.89 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74704 GHz | -45.68 dBm | -32.68 dB |

Date: 31.DEC.2019 02:49:37

### Lowest Channel / 16QAM



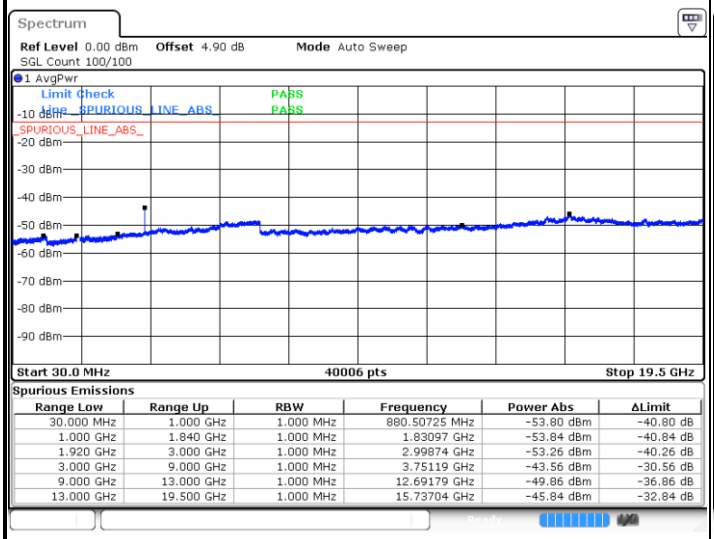

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 877.11394 MHz | -53.74 dBm | -40.74 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83307 GHz | -53.68 dBm | -40.68 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.96851 GHz | -53.01 dBm | -40.01 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70119 GHz | -46.89 dBm | -33.89 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70679 GHz | -49.81 dBm | -36.81 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74704 GHz | -45.85 dBm | -32.85 dB |

Date: 31.DEC.2019 02:50:31

## LTE Band 2 / 10MHz

### Middle Channel / QPSK

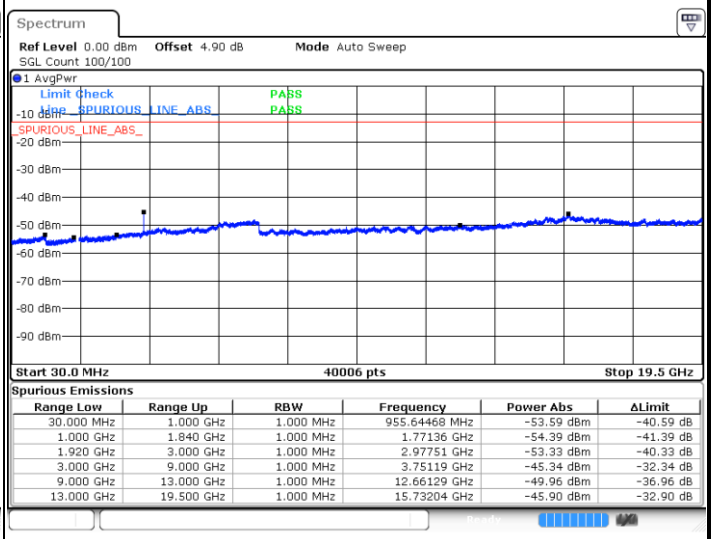



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 880.50725 MHz | -53.80 dBm | -40.80 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83097 GHz | -53.84 dBm | -40.84 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99874 GHz | -53.26 dBm | -40.26 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75119 GHz | -43.56 dBm | -30.56 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69179 GHz | -49.86 dBm | -36.86 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73704 GHz | -45.84 dBm | -32.84 dB |

Date: 31.DEC.2019 02:51:46

### Middle Channel / 16QAM

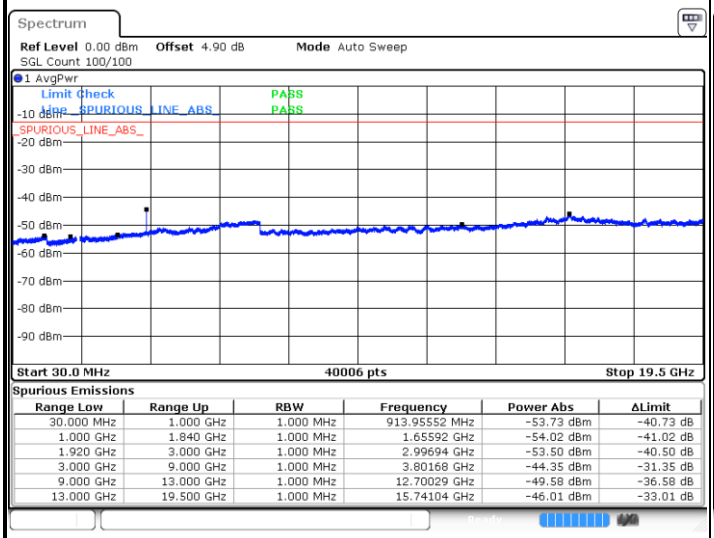



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 955.64468 MHz | -53.59 dBm | -40.59 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.77136 GHz | -54.39 dBm | -41.39 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.97751 GHz | -53.33 dBm | -40.33 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.75119 GHz | -45.34 dBm | -32.34 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.66129 GHz | -49.96 dBm | -36.96 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73204 GHz | -45.90 dBm | -32.90 dB |

Date: 31.DEC.2019 02:52:40

### Highest Channel / QPSK

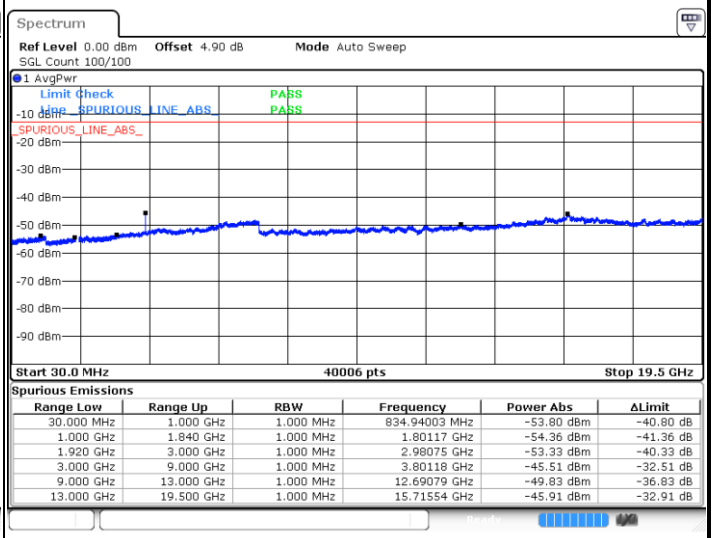



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 913.95552 MHz | -53.73 dBm | -40.73 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.65592 GHz | -54.02 dBm | -41.02 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99694 GHz | -53.50 dBm | -40.50 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.80168 GHz | -44.35 dBm | -31.35 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70029 GHz | -49.58 dBm | -36.58 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74104 GHz | -46.01 dBm | -33.01 dB |

Date: 31.DEC.2019 02:57:17

### Highest Channel / 16QAM



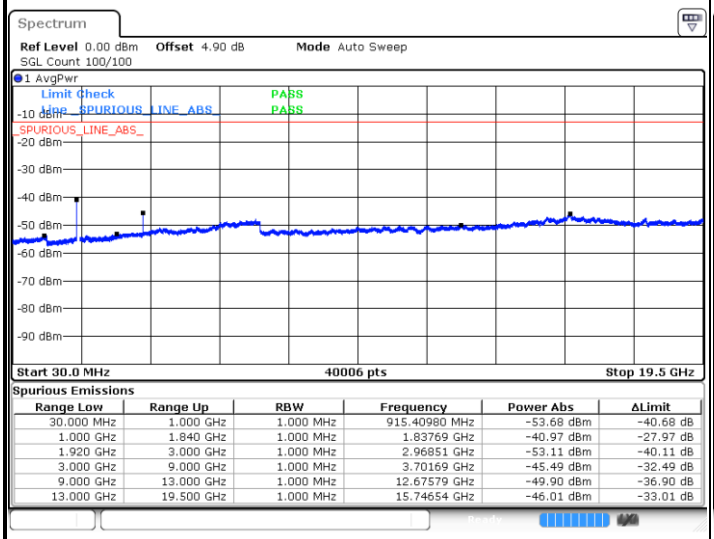

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 834.94003 MHz | -53.80 dBm | -40.80 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80117 GHz | -54.36 dBm | -41.36 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.98075 GHz | -53.33 dBm | -40.33 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.80118 GHz | -45.51 dBm | -32.51 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69079 GHz | -49.83 dBm | -36.83 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.71554 GHz | -45.91 dBm | -32.91 dB |

Date: 31.DEC.2019 02:58:11

## LTE Band 2 / 15MHz

### Lowest Channel / QPSK

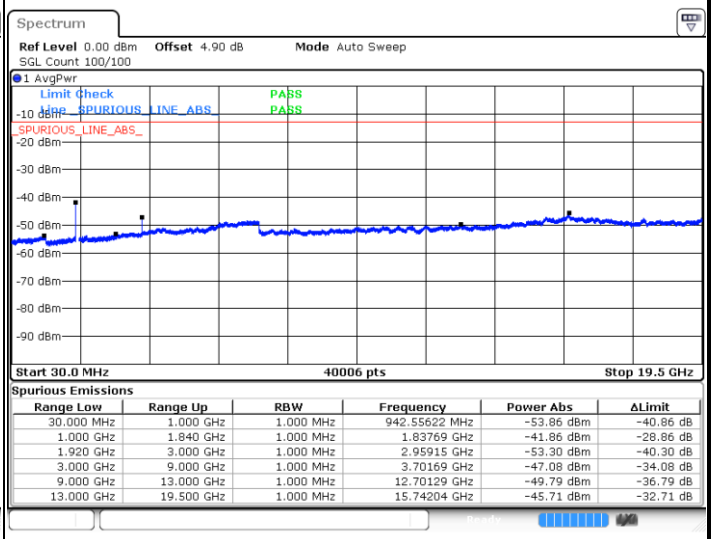



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 915.40980 MHz | -53.68 dBm | -40.68 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -40.97 dBm | -27.97 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.96851 GHz | -53.11 dBm | -40.11 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70169 GHz | -45.49 dBm | -32.49 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.67579 GHz | -49.90 dBm | -36.90 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74654 GHz | -46.01 dBm | -33.01 dB |

Date: 31.DEC.2019 03:02:48

### Lowest Channel / 16QAM

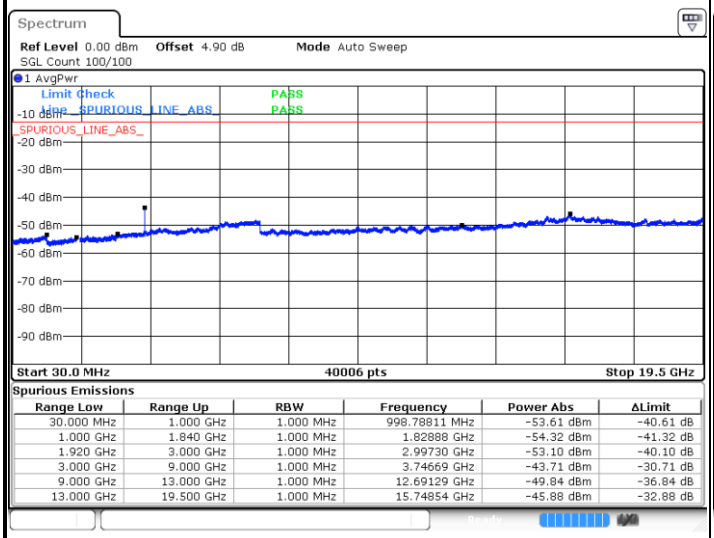



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 942.55622 MHz | -53.86 dBm | -40.86 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -41.86 dBm | -28.86 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.95915 GHz | -53.30 dBm | -40.30 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70169 GHz | -47.08 dBm | -34.08 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70129 GHz | -49.79 dBm | -36.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74204 GHz | -45.71 dBm | -32.71 dB |

Date: 31.DEC.2019 03:03:42

### Middle Channel / QPSK

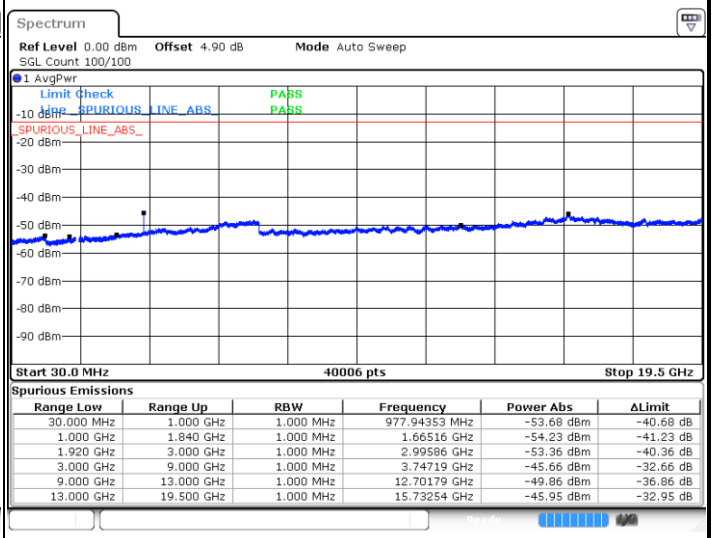



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 998.78811 MHz | -53.61 dBm | -40.61 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82888 GHz | -54.32 dBm | -41.32 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99730 GHz | -53.10 dBm | -40.10 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74669 GHz | -43.71 dBm | -30.71 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69129 GHz | -49.84 dBm | -36.84 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74854 GHz | -45.88 dBm | -32.88 dB |

Date: 31.DEC.2019 03:04:57

### Middle Channel / 16QAM



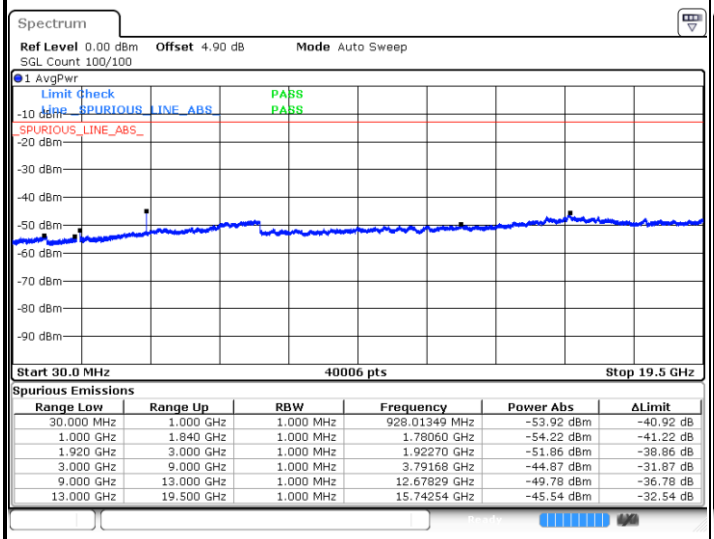

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 977.94353 MHz | -53.68 dBm | -40.68 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66516 GHz | -54.23 dBm | -41.23 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99586 GHz | -53.36 dBm | -40.36 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74719 GHz | -45.66 dBm | -32.66 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70179 GHz | -49.86 dBm | -36.86 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73254 GHz | -45.95 dBm | -32.95 dB |

Date: 31.DEC.2019 03:05:51

## LTE Band 2 / 15MHz

### Highest Channel / QPSK

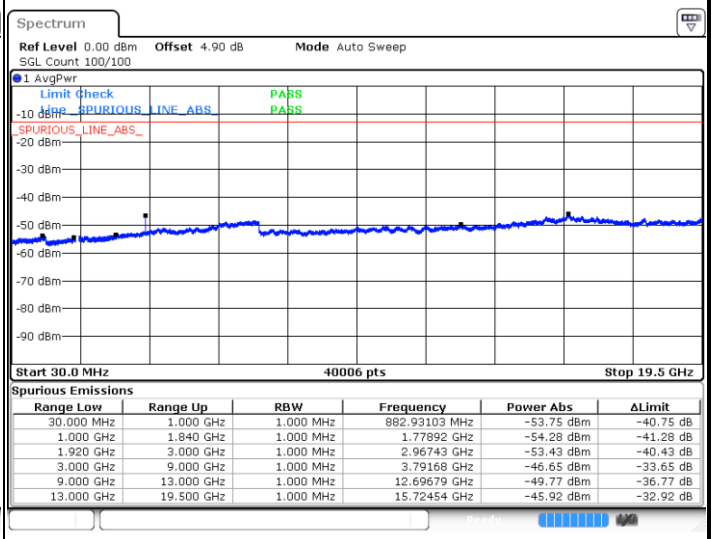



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 928.01349 MHz | -53.92 dBm | -40.92 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.78060 GHz | -54.22 dBm | -41.22 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92270 GHz | -51.86 dBm | -38.86 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.79168 GHz | -44.87 dBm | -31.87 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.67829 GHz | -49.78 dBm | -36.78 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74254 GHz | -45.54 dBm | -32.54 dB |

Date: 31.DEC.2019 03:10:28

### Highest Channel / 16QAM



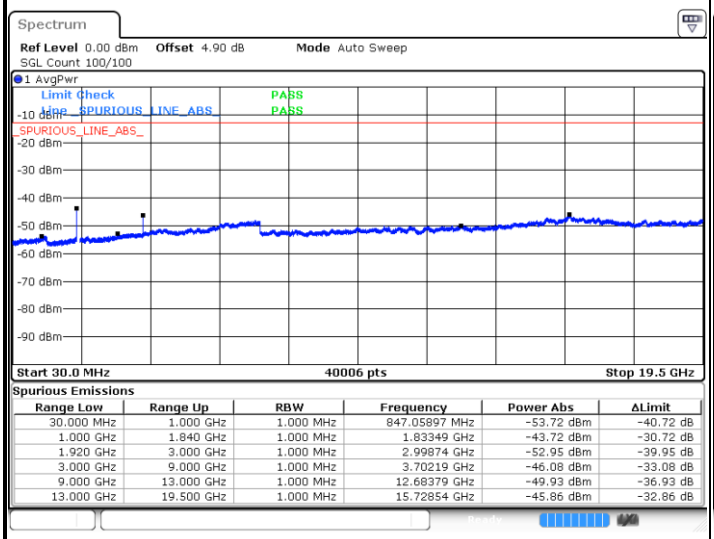

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 882.93103 MHz | -53.75 dBm | -40.75 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.77892 GHz | -54.28 dBm | -41.28 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.96743 GHz | -53.43 dBm | -40.43 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.79168 GHz | -46.65 dBm | -33.65 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69679 GHz | -49.77 dBm | -36.77 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72454 GHz | -45.92 dBm | -32.92 dB |

Date: 31.DEC.2019 03:11:23

## LTE Band 2 / 20MHz

### Lowest Channel / QPSK

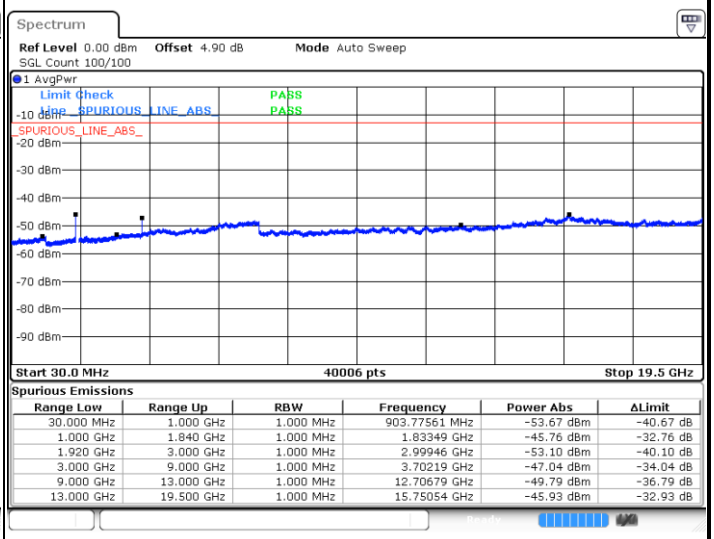



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 847.05897 MHz | -53.72 dBm | -40.72 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83349 GHz | -43.72 dBm | -30.72 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99874 GHz | -52.95 dBm | -39.95 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70219 GHz | -46.08 dBm | -33.08 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.68379 GHz | -49.93 dBm | -36.93 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.72854 GHz | -45.86 dBm | -32.86 dB |

Date: 31.DEC.2019 03:15:59

### Lowest Channel / 16QAM



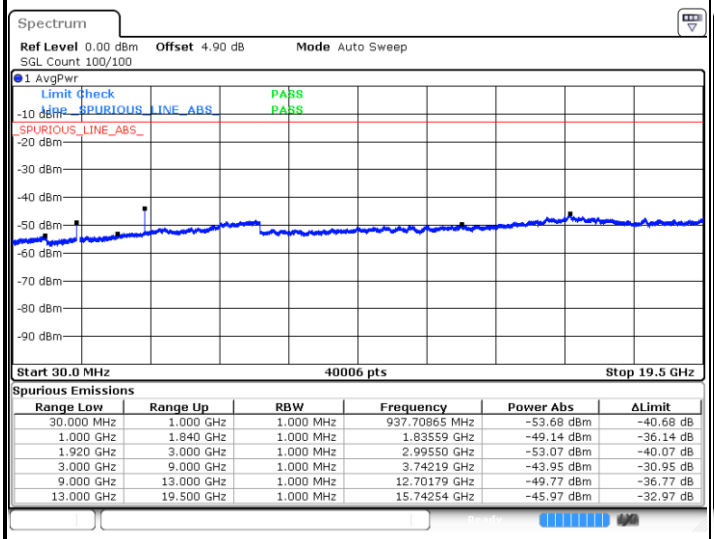

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 903.77561 MHz | -53.67 dBm | -40.67 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83349 GHz | -45.76 dBm | -32.76 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99946 GHz | -53.10 dBm | -40.10 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.70219 GHz | -47.04 dBm | -34.04 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70679 GHz | -49.79 dBm | -36.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.75054 GHz | -45.93 dBm | -32.93 dB |

Date: 31.DEC.2019 03:16:53

## LTE Band 2 / 20MHz

### Middle Channel / QPSK

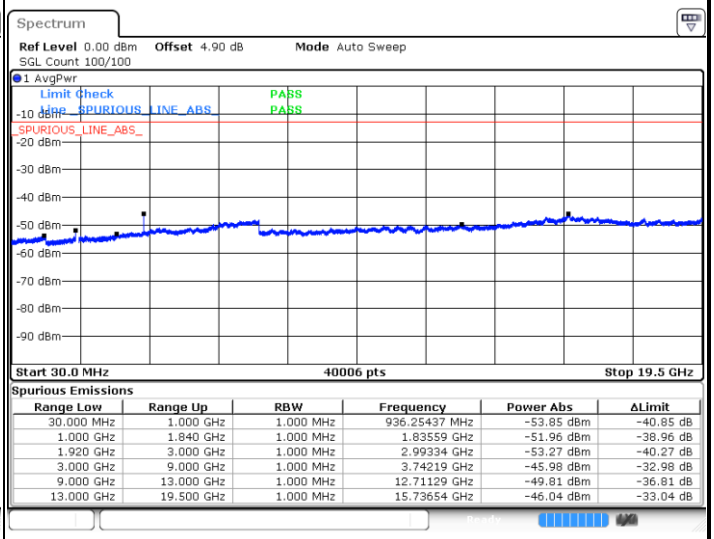



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 937.70865 MHz | -53.68 dBm | -40.68 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83559 GHz | -49.14 dBm | -36.14 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99550 GHz | -53.07 dBm | -40.07 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74219 GHz | -43.95 dBm | -30.95 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70179 GHz | -49.77 dBm | -36.77 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.74254 GHz | -45.97 dBm | -32.97 dB |

Date: 31.DEC.2019 03:18:07

### Middle Channel / 16QAM

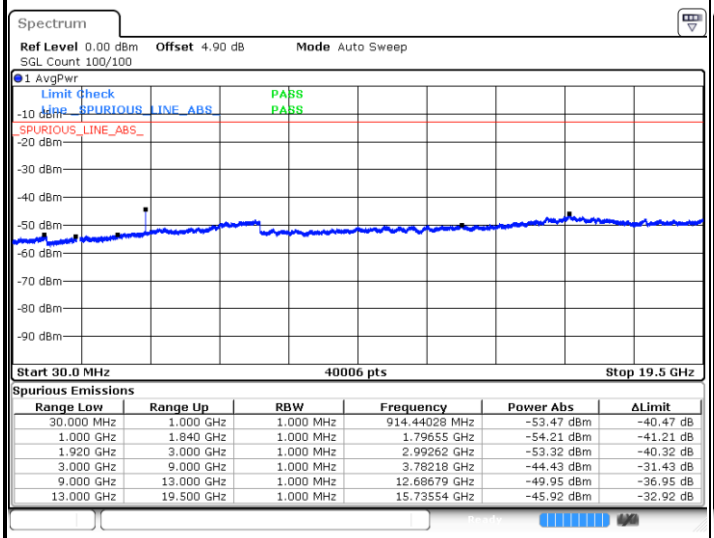



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 936.25437 MHz | -53.85 dBm | -40.85 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83559 GHz | -51.96 dBm | -38.96 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99334 GHz | -53.27 dBm | -40.27 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.74219 GHz | -45.98 dBm | -32.98 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.71129 GHz | -49.81 dBm | -36.81 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73654 GHz | -46.04 dBm | -33.04 dB |

Date: 31.DEC.2019 03:19:02

### Highest Channel / QPSK

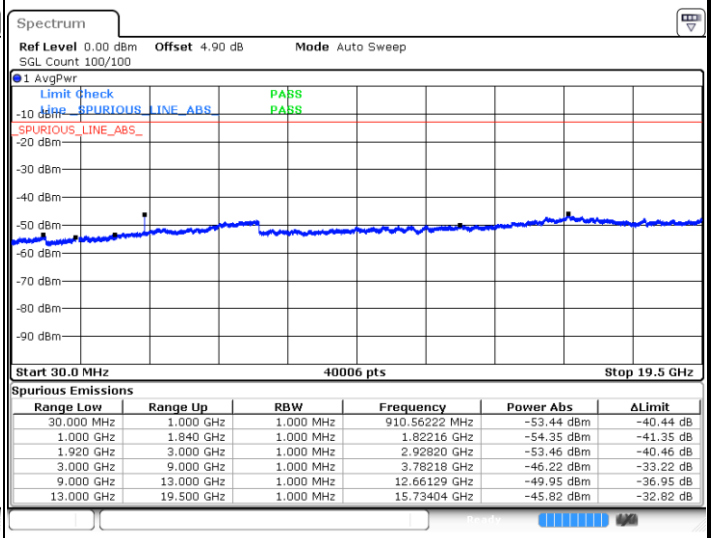



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 914.44028 MHz | -53.47 dBm | -40.47 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79655 GHz | -54.21 dBm | -41.21 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.99262 GHz | -53.32 dBm | -40.32 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.78218 GHz | -44.43 dBm | -31.43 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.68679 GHz | -49.95 dBm | -36.95 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73554 GHz | -45.92 dBm | -32.92 dB |

Date: 31.DEC.2019 03:23:38

### 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 | -53.44 dBm | -40.44 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82216 GHz | -54.35 dBm | -41.35 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.92820 GHz | -53.46 dBm | -40.46 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.78218 GHz | -46.22 dBm | -33.22 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.66129 GHz | -49.95 dBm | -36.95 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 15.73404 GHz | -45.82 dBm | -32.82 dB |

Date: 31.DEC.2019 03:24:33

# Frequency Stability

| Test Conditions | | LTE Band 2 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0014 | PASS |
| 40 | Normal Voltage | 0.0006 | |
| 30 | Normal Voltage | 0.0016 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0006 | |
| 0 | Normal Voltage | 0.0024 | |
| -10 | Normal Voltage | 0.0015 | |
| -20 | Normal Voltage | 0.0003 | |
| -30 | Normal Voltage | 0.0027 | |
| 20 | Maximum Voltage | 0.0003 | |
| 20 | Normal Voltage | 0.0004 | |
| 20 | Battery End Point | 0.0022 | |

**Note:**

1. Normal Voltage =13.2 V.；Battery End Point (BEP) =10.5 V.；Maximum Voltage =33.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

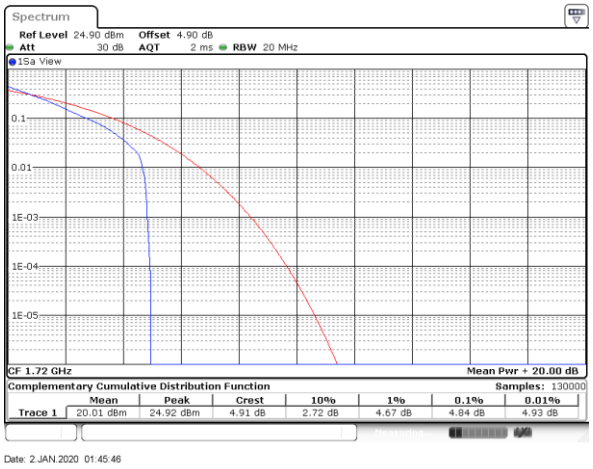
# LTE Band 4

## Peak-to-Average Ratio

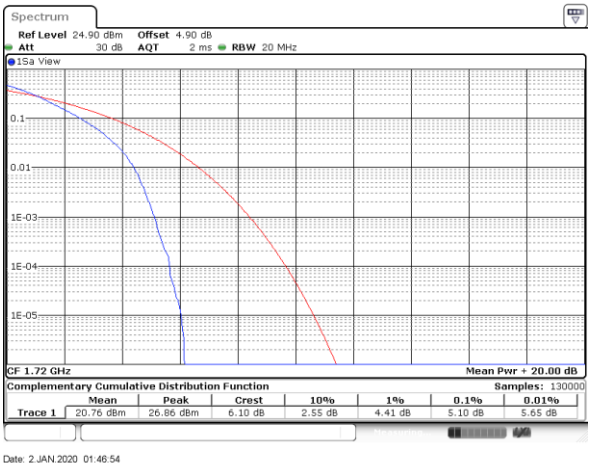
| Mode | LTE Band 4 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 4.84 | 5.10 | 5.88 | 6.00 | PASS |
| Middle CH | 4.87 | 5.39 | 5.45 | 6.17 | |
| Highest CH | 4.90 | 4.93 | 5.54 | 6.20 | |

## LTE Band 4 / 20MHz / QPSK

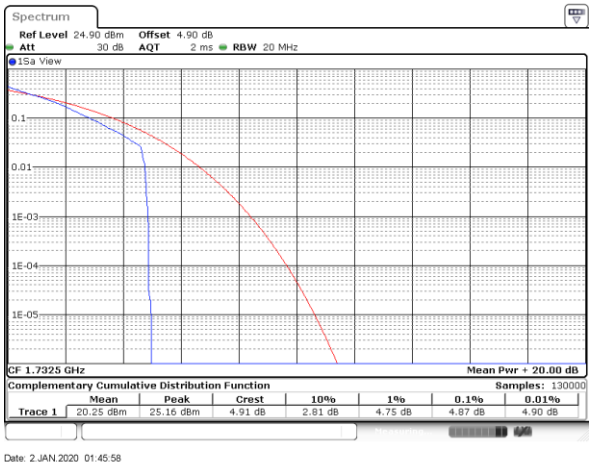
### Lowest Channel / 1RB



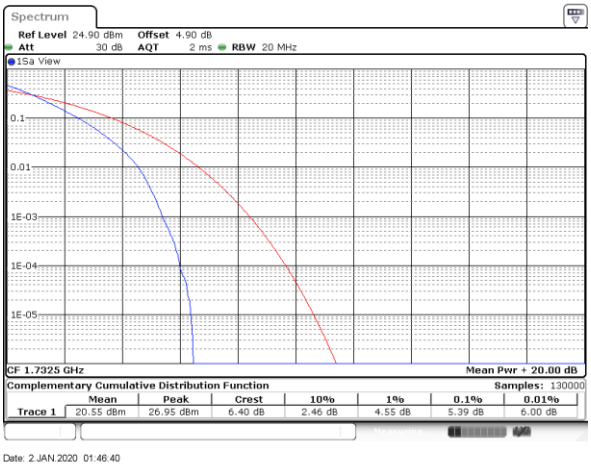

### Lowest Channel / Full RB



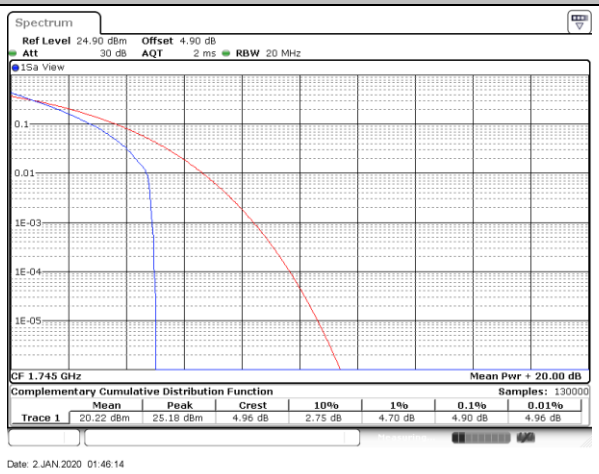

### Middle Channel / 1RB



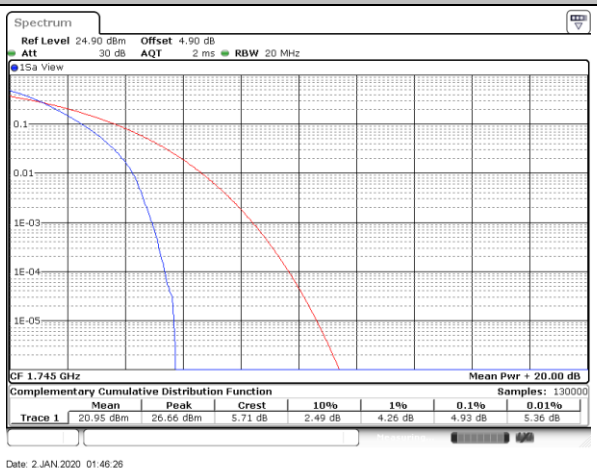

### Middle Channel / Full RB




### Highest Channel / 1RB

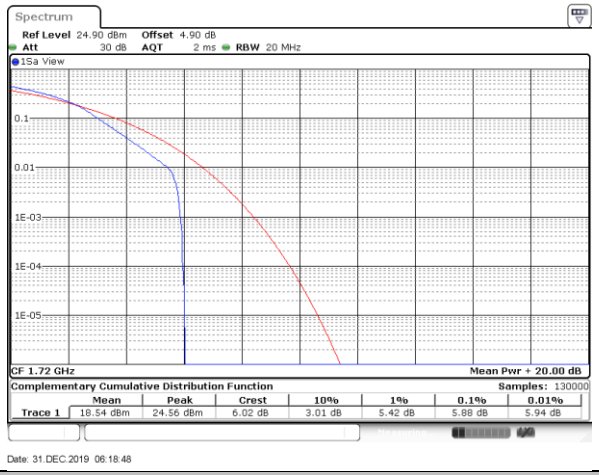



### Highest Channel / Full RB

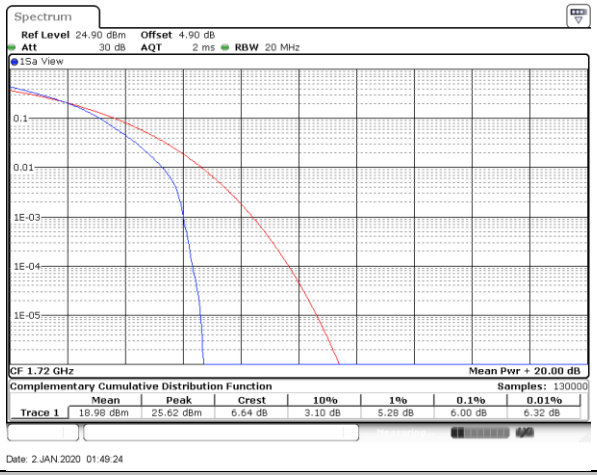


## LTE Band 4 / 20MHz / 16QAM

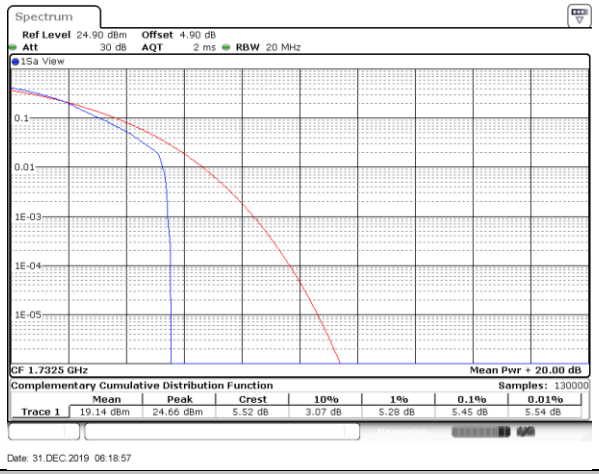
### Lowest Channel / 1RB



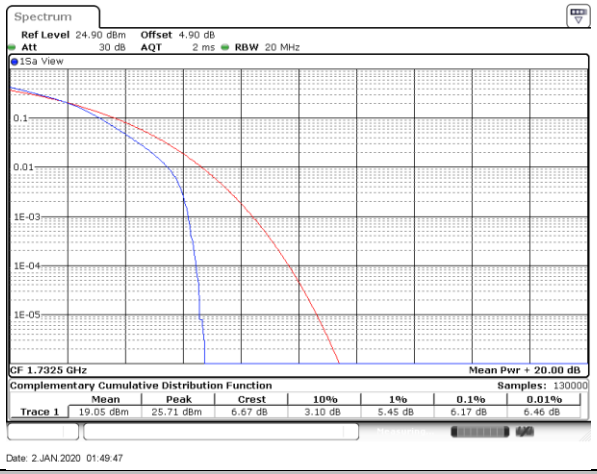

### Lowest Channel / Full RB



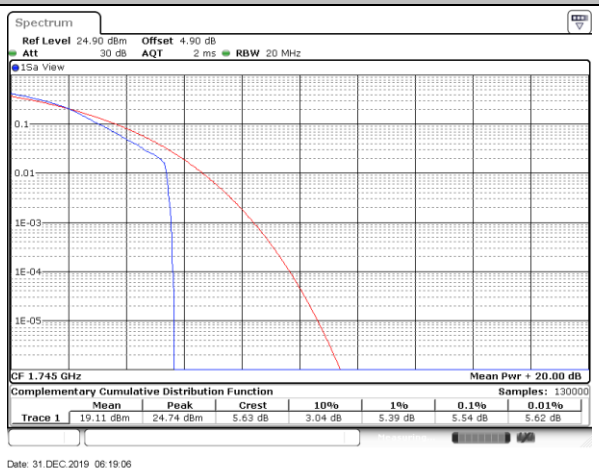

### Middle Channel / 1RB



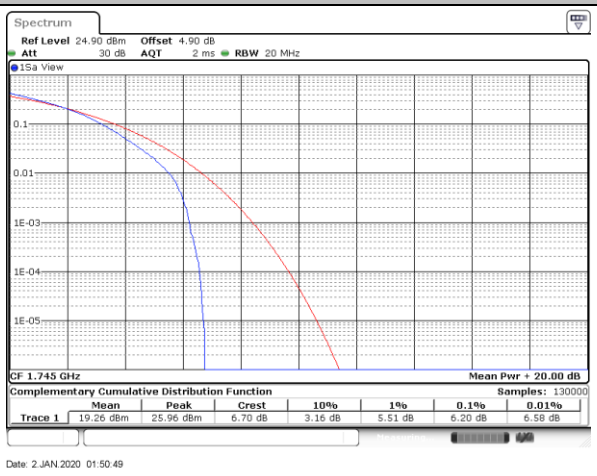

### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB

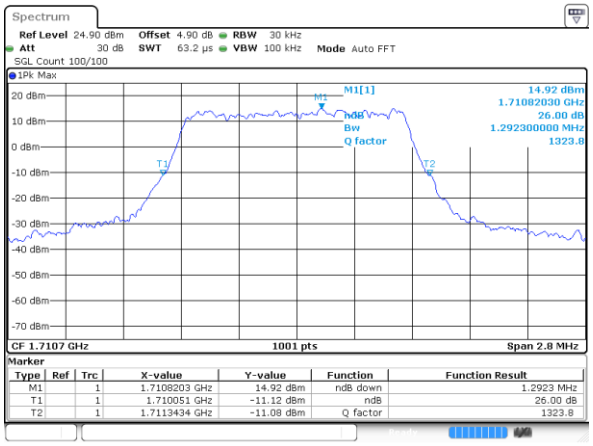


# 26dB Bandwidth

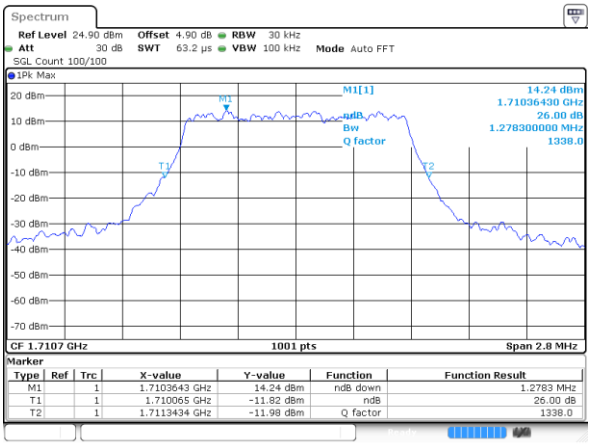
| Mode | LTE Band 4 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.292 | 1.278 | 3.009 | 2.967 | 4.975 | 5.005 | 9.65 | 5.754 | 14.565 | 5.784 | 20.14 | 7.353 |
| Middle CH | 1.292 | 1.248 | 3.045 | 3.057 | 4.905 | 4.915 | 9.83 | 5.634 | 14.266 | 5.604 | 20.34 | 7.273 |
| Highest CH | 1.281 | 1.264 | 3.021 | 3.009 | 4.885 | 4.865 | 9.93 | 5.894 | 14.296 | 6.084 | 20.18 | 7.233 |

## LTE Band 4

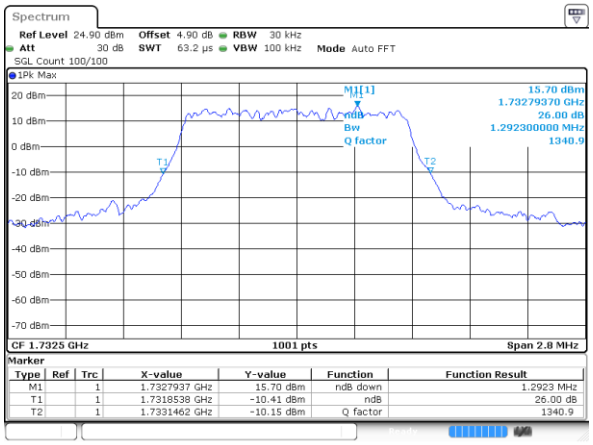
### Lowest Channel / 1.4MHz / QPSK



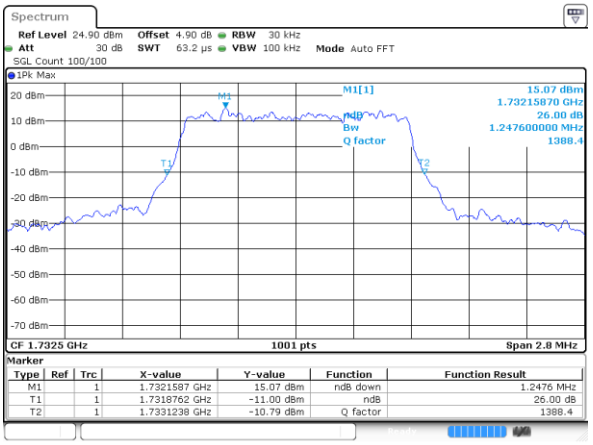

### Lowest Channel / 1.4MHz / 16QAM



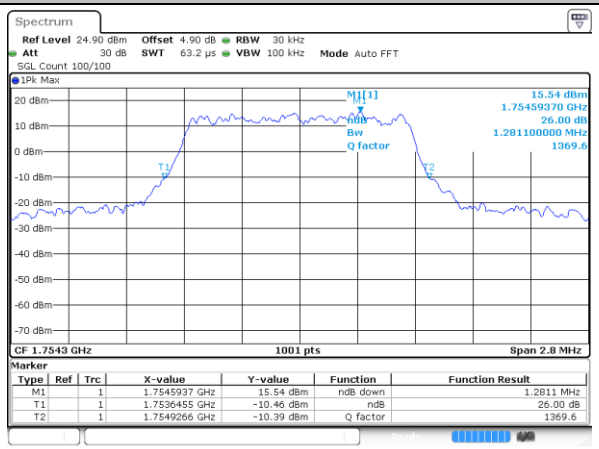

### Middle Channel / 1.4MHz / QPSK



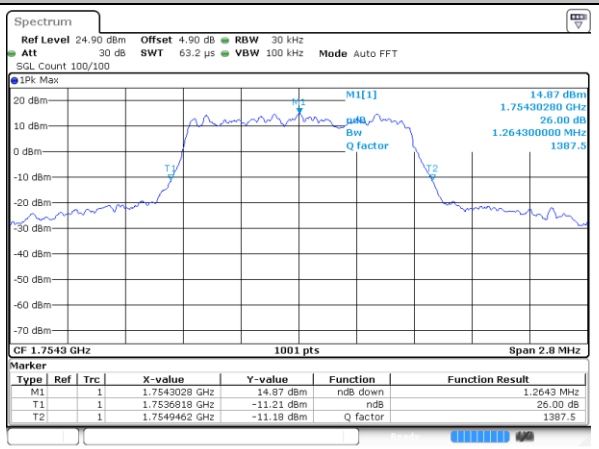

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

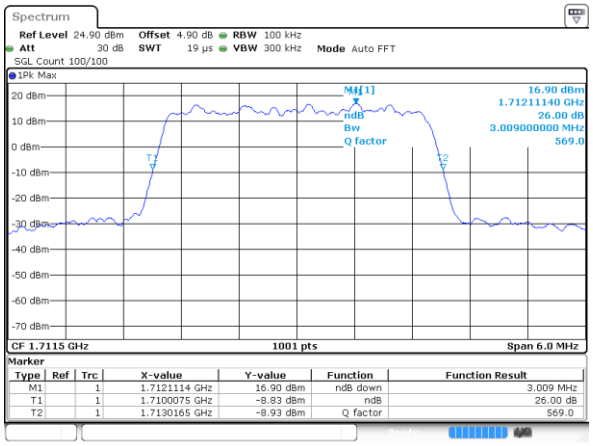



### Highest Channel / 1.4MHz / 16QAM

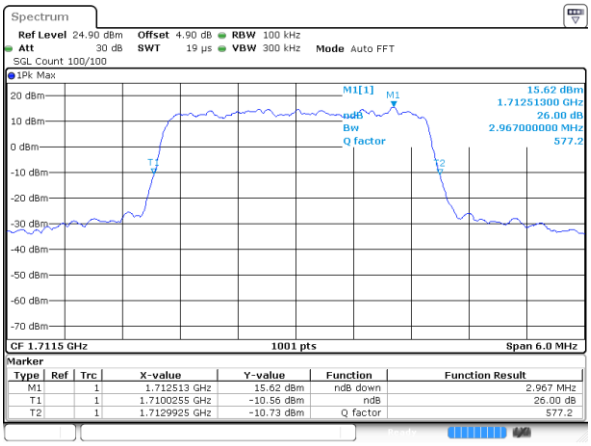


## LTE Band 4

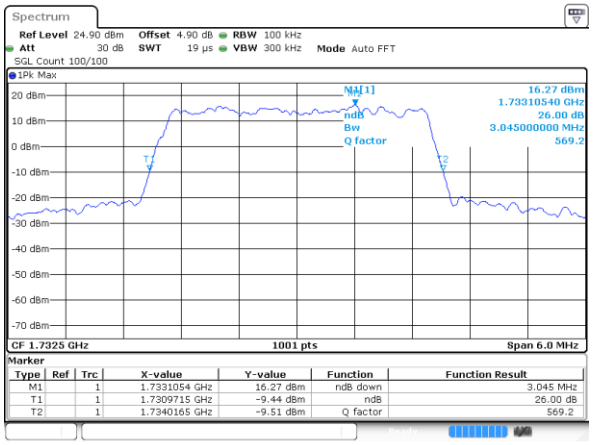
### Lowest Channel / 3MHz / QPSK



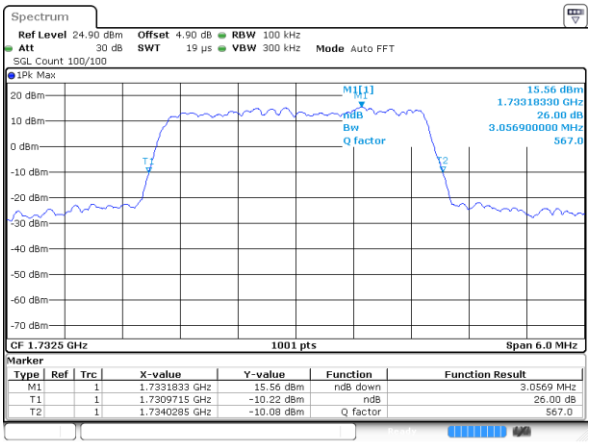

### Lowest Channel / 3MHz / 16QAM



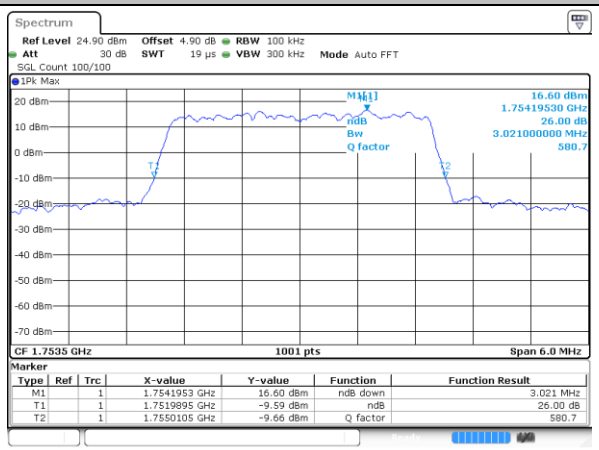

### Middle Channel / 3MHz / QPSK

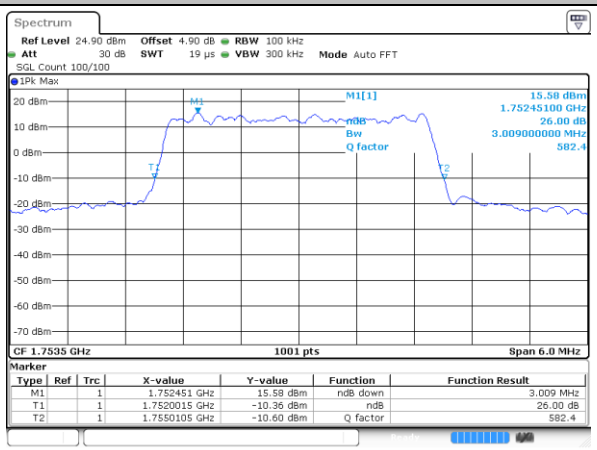



### Middle Channel /3MHz / 16QAM




### Highest Channel /3MHz / QPSK




### Highest Channel /3MHz / 16QAM