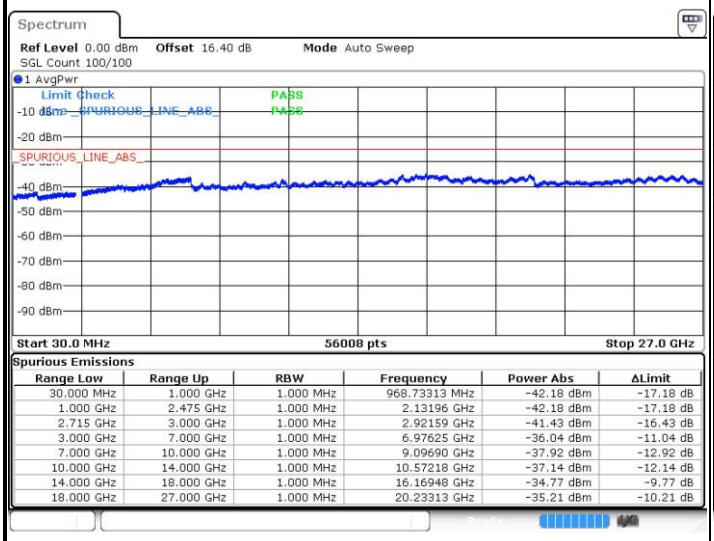
# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

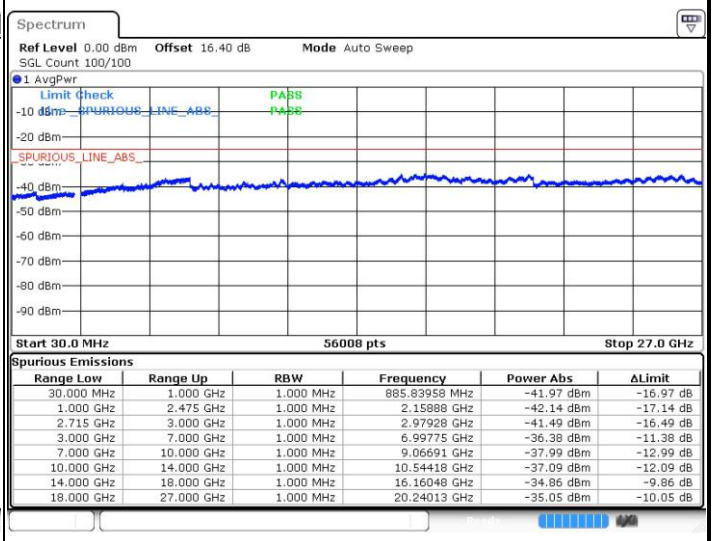



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 968.73313 MHz | -42.18 dBm | -17.18 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.13196 GHz | -42.18 dBm | -17.18 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.92159 GHz | -41.43 dBm | -16.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97625 GHz | -36.04 dBm | -11.04 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09690 GHz | -37.92 dBm | -12.92 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.57218 GHz | -37.14 dBm | -12.14 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.16948 GHz | -34.77 dBm | -9.77 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.23313 GHz | -35.21 dBm | -10.21 dB |

Date: 22.SEP.2018 06:06:09

### Lowest Channel / 16QAM

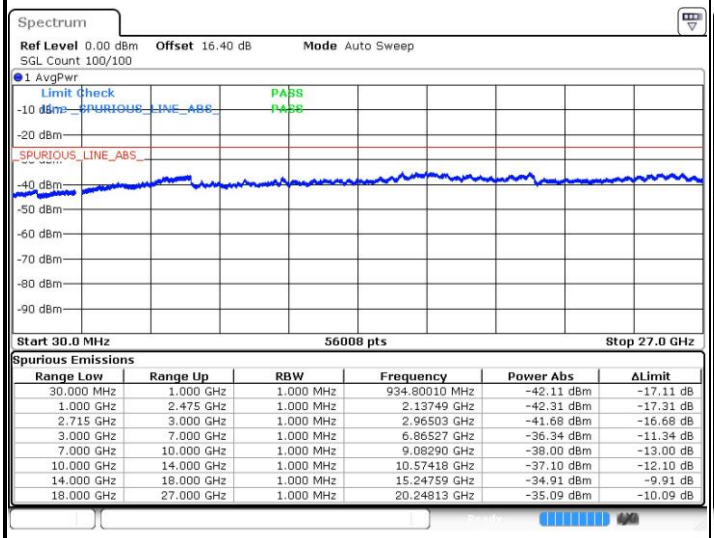



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 885.83958 MHz | -41.97 dBm | -16.97 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.15888 GHz | -42.14 dBm | -17.14 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.97928 GHz | -41.49 dBm | -16.49 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99775 GHz | -36.38 dBm | -11.38 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.06691 GHz | -37.99 dBm | -12.99 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54418 GHz | -37.09 dBm | -12.09 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.16048 GHz | -34.86 dBm | -9.86 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24013 GHz | -35.05 dBm | -10.05 dB |

Date: 22.SEP.2018 06:07:00

### Middle Channel / QPSK

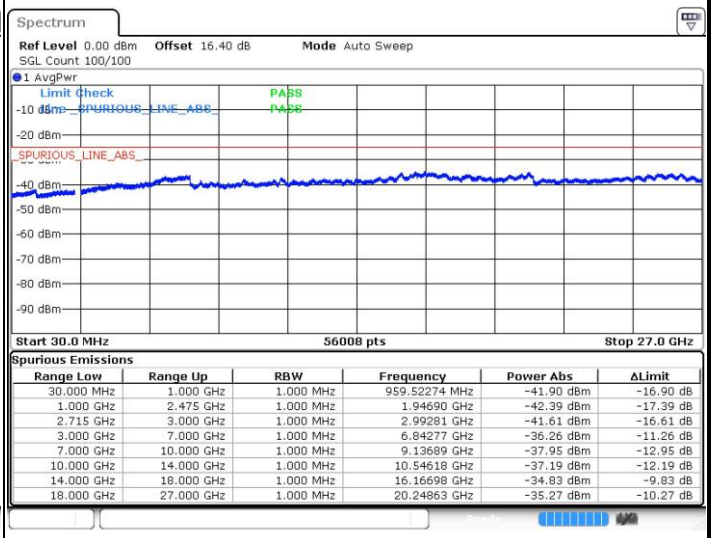



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 934.80010 MHz | -42.11 dBm | -17.11 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.13749 GHz | -42.31 dBm | -17.31 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.96503 GHz | -41.68 dBm | -16.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86527 GHz | -36.34 dBm | -11.34 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.08290 GHz | -38.00 dBm | -13.00 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.57418 GHz | -37.10 dBm | -12.10 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.24759 GHz | -34.91 dBm | -9.91 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24813 GHz | -35.09 dBm | -10.09 dB |

Date: 22.SEP.2018 06:07:50

### Middle Channel / 16QAM



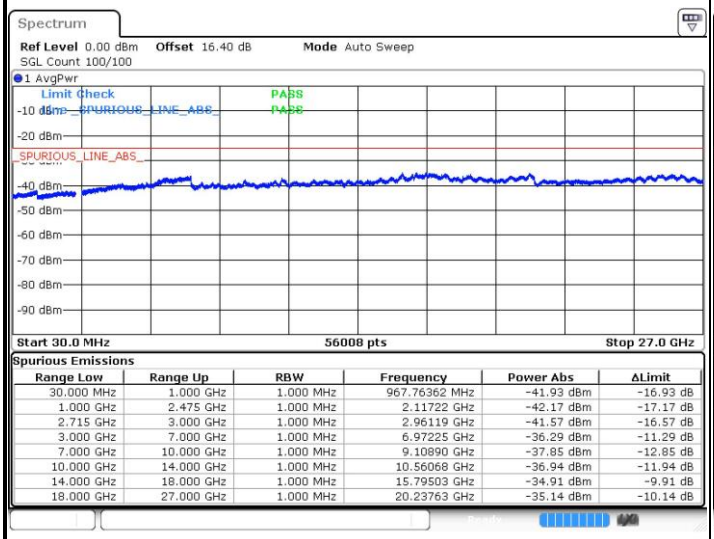

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 959.52274 MHz | -41.90 dBm | -16.90 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.94690 GHz | -42.39 dBm | -17.39 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99281 GHz | -41.61 dBm | -16.61 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84277 GHz | -36.26 dBm | -11.26 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.13689 GHz | -37.95 dBm | -12.95 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54618 GHz | -37.19 dBm | -12.19 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.16698 GHz | -34.83 dBm | -9.83 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24863 GHz | -35.27 dBm | -10.27 dB |

Date: 22.SEP.2018 06:08:40

## LTE Band 41 / 5MHz

### Highest Channel / QPSK

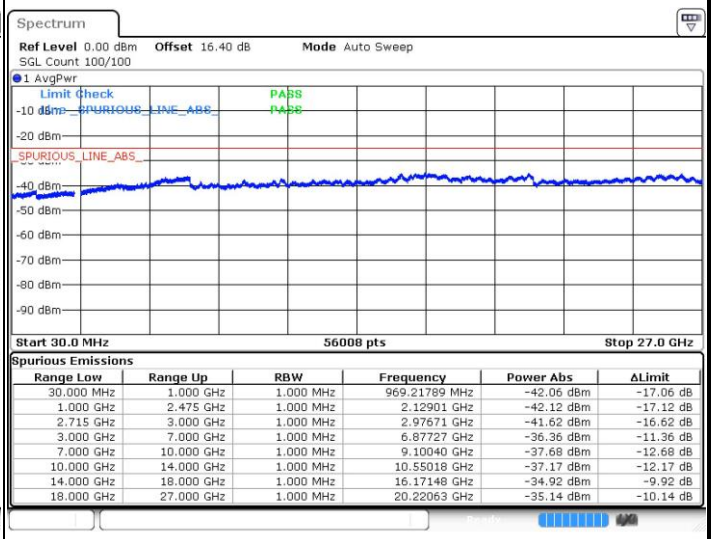



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.76362 MHz | -41.93 dBm | -16.93 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.11722 GHz | -42.17 dBm | -17.17 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.96119 GHz | -41.57 dBm | -16.57 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97225 GHz | -36.29 dBm | -11.29 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.10890 GHz | -37.85 dBm | -12.85 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.56068 GHz | -36.94 dBm | -11.94 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.79503 GHz | -34.91 dBm | -9.91 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.23763 GHz | -35.14 dBm | -10.14 dB |

Date: 22.SEP.2018 06:09:30

### Highest Channel / 16QAM



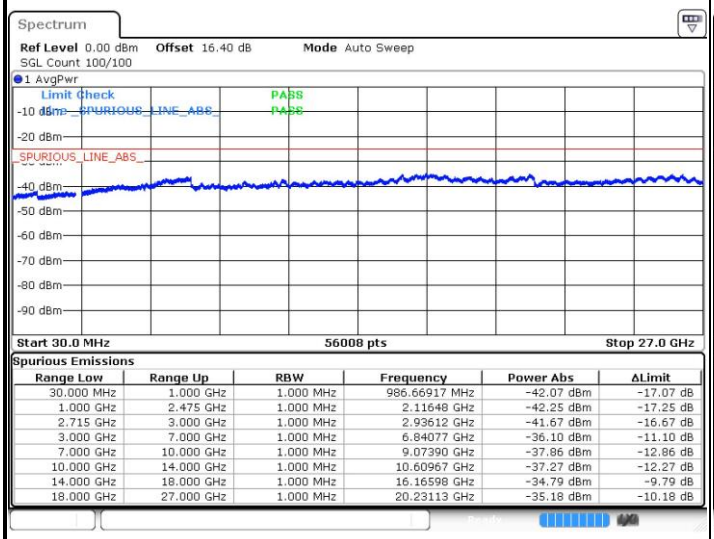

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 969.21789 MHz | -42.06 dBm | -17.06 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.12901 GHz | -42.12 dBm | -17.12 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.97671 GHz | -41.62 dBm | -16.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87727 GHz | -36.36 dBm | -11.36 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.10040 GHz | -37.68 dBm | -12.68 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.55018 GHz | -37.17 dBm | -12.17 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.17148 GHz | -34.92 dBm | -9.92 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.22063 GHz | -35.14 dBm | -10.14 dB |

Date: 22.SEP.2018 06:10:20

## LTE Band 41 / 10MHz

### Lowest Channel / QPSK

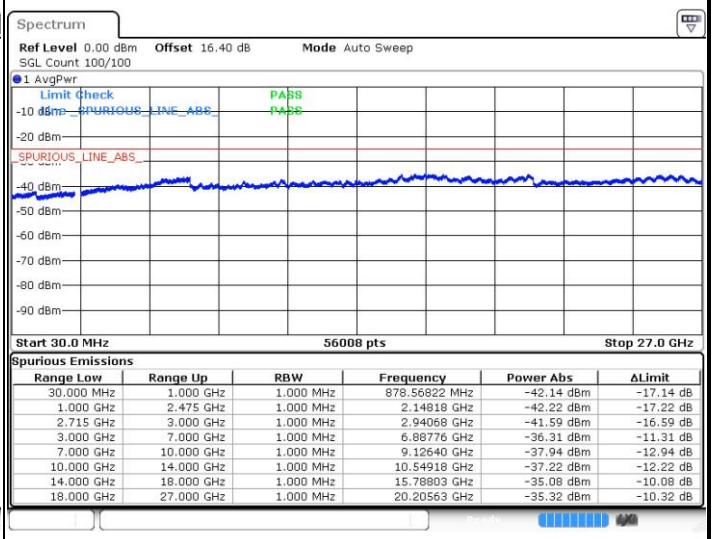



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 986.66917 MHz | -42.07 dBm | -17.07 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.11648 GHz | -42.25 dBm | -17.25 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.93612 GHz | -41.67 dBm | -16.67 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84077 GHz | -36.10 dBm | -11.10 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.07390 GHz | -37.86 dBm | -12.86 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.60967 GHz | -37.27 dBm | -12.27 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.16598 GHz | -34.79 dBm | -9.79 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.23113 GHz | -35.18 dBm | -10.18 dB |

Date: 22.SEP.2018 06:11:10

### Lowest Channel / 16QAM



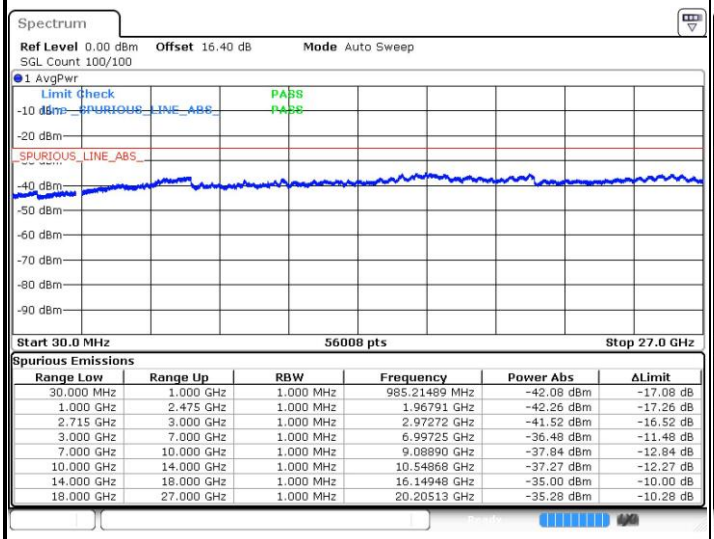

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 878.56822 MHz | -42.14 dBm | -17.14 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.14818 GHz | -42.22 dBm | -17.22 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.94068 GHz | -41.59 dBm | -16.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88776 GHz | -36.31 dBm | -11.31 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.12640 GHz | -37.94 dBm | -12.94 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54918 GHz | -37.22 dBm | -12.22 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.78803 GHz | -35.08 dBm | -10.08 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.20563 GHz | -35.32 dBm | -10.32 dB |

Date: 22.SEP.2018 06:12:00

## LTE Band 41 / 10MHz

### Middle Channel / QPSK

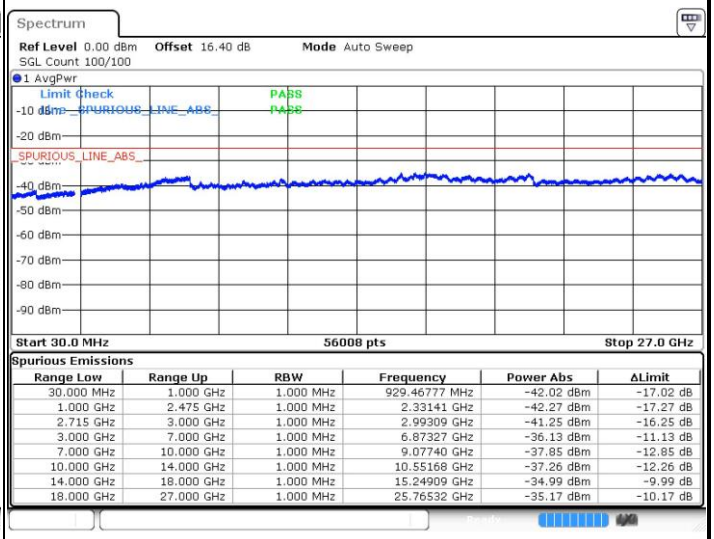



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 985.21489 MHz | -42.08 dBm | -17.08 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.96791 GHz | -42.26 dBm | -17.26 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.97272 GHz | -41.52 dBm | -16.52 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99725 GHz | -36.48 dBm | -11.48 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.08890 GHz | -37.84 dBm | -12.84 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54868 GHz | -37.27 dBm | -12.27 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.14948 GHz | -35.00 dBm | -10.00 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.20513 GHz | -35.28 dBm | -10.28 dB |

Date: 22.SEP.2018 06:12:51

### Middle Channel / 16QAM

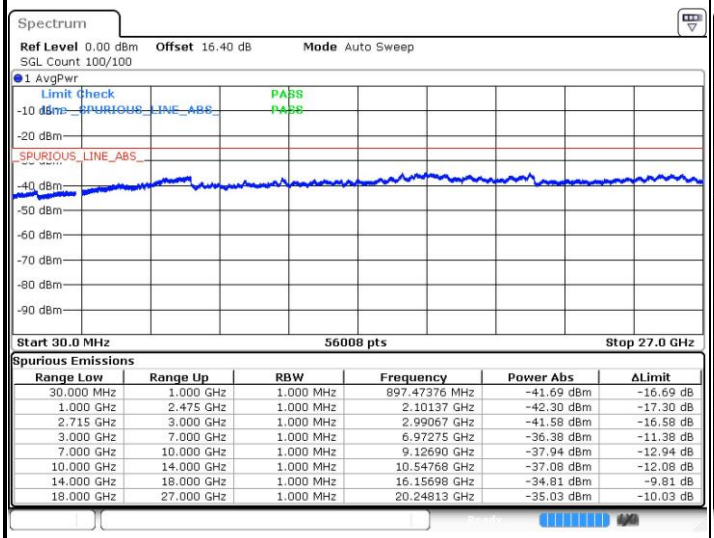



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 929.46777 MHz | -42.02 dBm | -17.02 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.33141 GHz | -42.27 dBm | -17.27 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99309 GHz | -41.25 dBm | -16.25 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87327 GHz | -36.13 dBm | -11.13 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.07740 GHz | -37.85 dBm | -12.85 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.55168 GHz | -37.26 dBm | -12.26 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.24909 GHz | -34.99 dBm | -9.99 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 25.76532 GHz | -35.17 dBm | -10.17 dB |

Date: 22.SEP.2018 06:13:42

### Highest Channel / QPSK

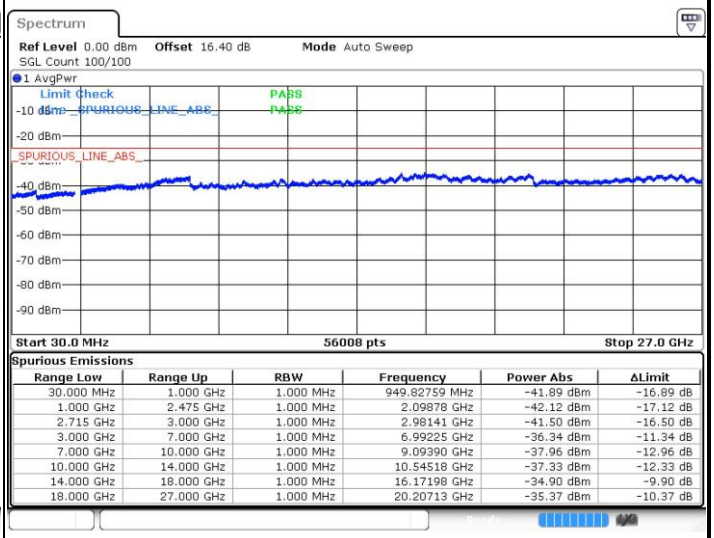



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 897.47376 MHz | -41.69 dBm | -16.69 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.10137 GHz | -42.30 dBm | -17.30 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99067 GHz | -41.58 dBm | -16.58 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97275 GHz | -36.38 dBm | -11.38 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.12690 GHz | -37.94 dBm | -12.94 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54768 GHz | -37.08 dBm | -12.08 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.15698 GHz | -34.81 dBm | -9.81 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24813 GHz | -35.03 dBm | -10.03 dB |

Date: 22.SEP.2018 06:14:32

### Highest Channel / 16QAM



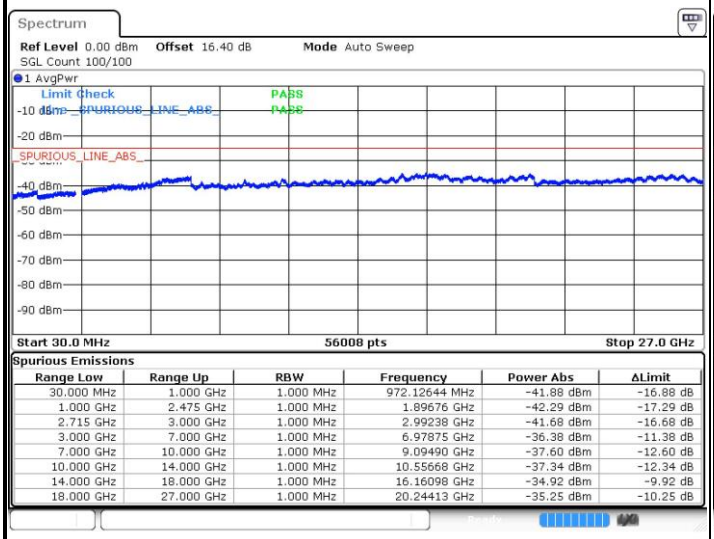

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 949.82759 MHz | -41.89 dBm | -16.89 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.09878 GHz | -42.12 dBm | -17.12 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.98141 GHz | -41.50 dBm | -16.50 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99225 GHz | -36.34 dBm | -11.34 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09390 GHz | -37.96 dBm | -12.96 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54518 GHz | -37.33 dBm | -12.33 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.17198 GHz | -34.90 dBm | -9.90 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.20713 GHz | -35.37 dBm | -10.37 dB |

Date: 22.SEP.2018 06:15:22

## LTE Band 41 / 15MHz

### Lowest Channel / QPSK

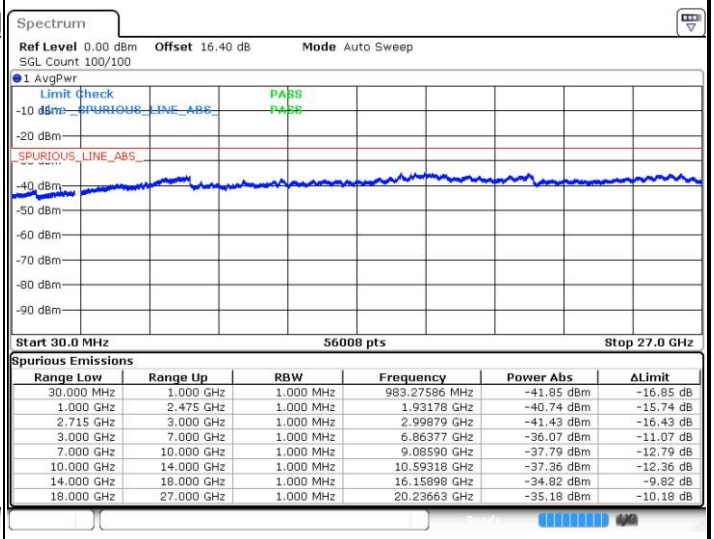



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 972.12644 MHz | -41.88 dBm | -16.88 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.89676 GHz | -42.29 dBm | -17.29 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99238 GHz | -41.68 dBm | -16.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97875 GHz | -36.38 dBm | -11.38 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09490 GHz | -37.60 dBm | -12.60 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.55668 GHz | -37.34 dBm | -12.34 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.16098 GHz | -34.92 dBm | -9.92 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24413 GHz | -35.25 dBm | -10.25 dB |

Date: 22.SEP.2018 06:16:12

### Lowest Channel / 16QAM

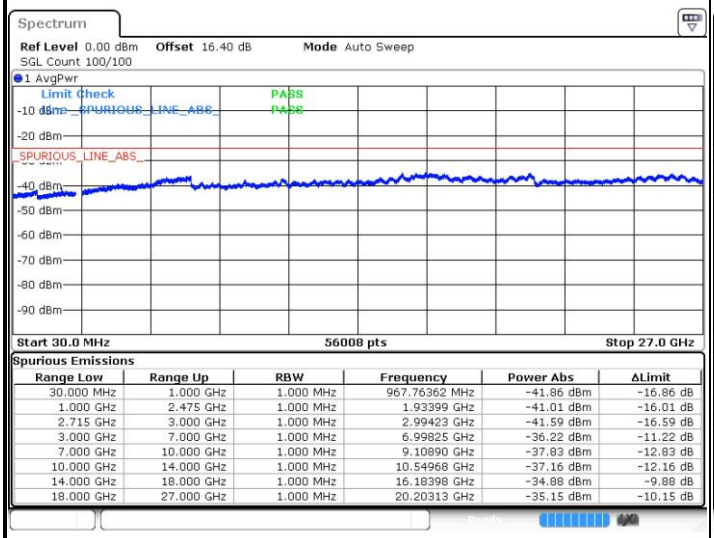



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 983.27586 MHz | -41.85 dBm | -16.85 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.93178 GHz | -40.74 dBm | -15.74 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99879 GHz | -41.43 dBm | -16.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86377 GHz | -36.07 dBm | -11.07 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.08590 GHz | -37.79 dBm | -12.79 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.59318 GHz | -37.36 dBm | -12.36 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.15898 GHz | -34.82 dBm | -9.82 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.23663 GHz | -35.18 dBm | -10.18 dB |

Date: 22.SEP.2018 06:17:02

### Middle Channel / QPSK

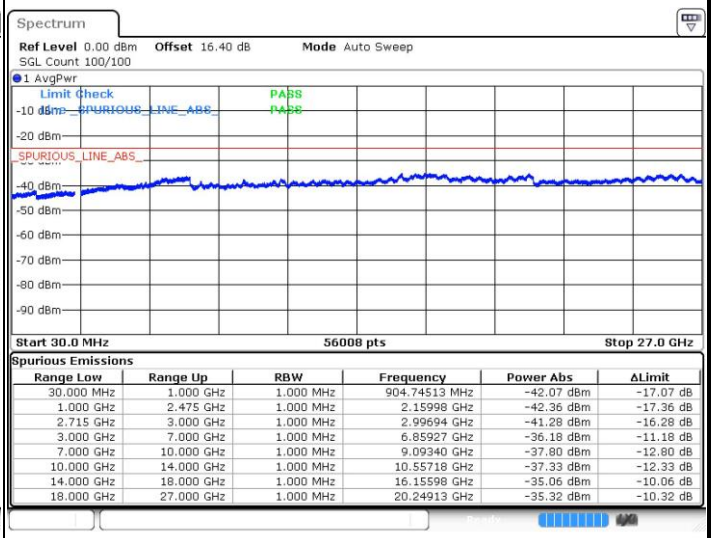



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.76362 MHz | -41.86 dBm | -16.86 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.93399 GHz | -41.01 dBm | -16.01 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99423 GHz | -41.59 dBm | -16.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99825 GHz | -36.22 dBm | -11.22 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.10890 GHz | -37.83 dBm | -12.83 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54968 GHz | -37.16 dBm | -12.16 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.18398 GHz | -34.88 dBm | -9.88 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.20313 GHz | -35.15 dBm | -10.15 dB |

Date: 22.SEP.2018 06:17:52

### Middle Channel / 16QAM



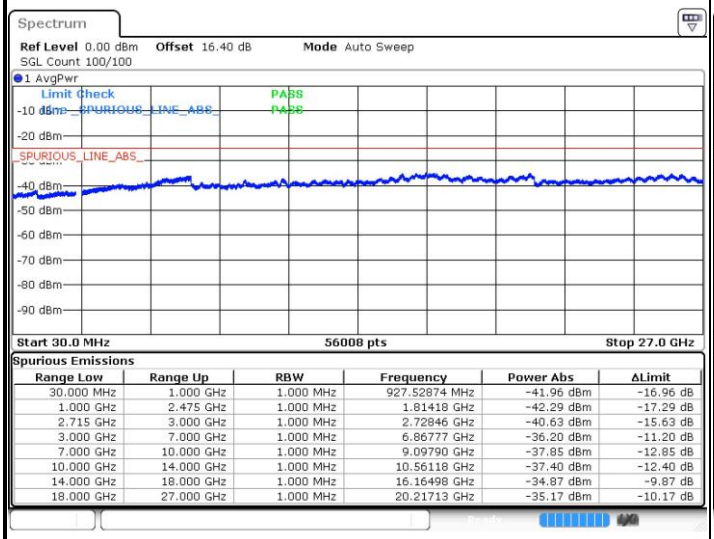

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 904.74513 MHz | -42.07 dBm | -17.07 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.15998 GHz | -42.36 dBm | -17.36 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99694 GHz | -41.28 dBm | -16.28 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.85927 GHz | -36.18 dBm | -11.18 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09340 GHz | -37.80 dBm | -12.80 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.55718 GHz | -37.33 dBm | -12.33 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.15598 GHz | -35.06 dBm | -10.06 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24913 GHz | -35.32 dBm | -10.32 dB |

Date: 22.SEP.2018 06:18:42

## LTE Band 41 / 15MHz

### Highest Channel / QPSK

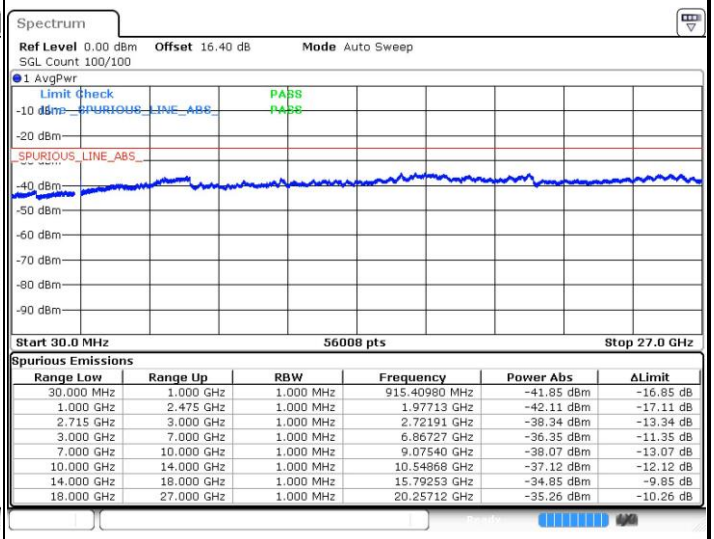



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 927.52874 MHz | -41.96 dBm | -16.96 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.81418 GHz | -42.29 dBm | -17.29 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72846 GHz | -40.63 dBm | -15.63 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86777 GHz | -36.20 dBm | -11.20 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09790 GHz | -37.85 dBm | -12.85 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.56118 GHz | -37.40 dBm | -12.40 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.16498 GHz | -34.87 dBm | -9.87 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.21713 GHz | -35.17 dBm | -10.17 dB |

Date: 22.SEP.2018 06:19:32

### Highest Channel / 16QAM



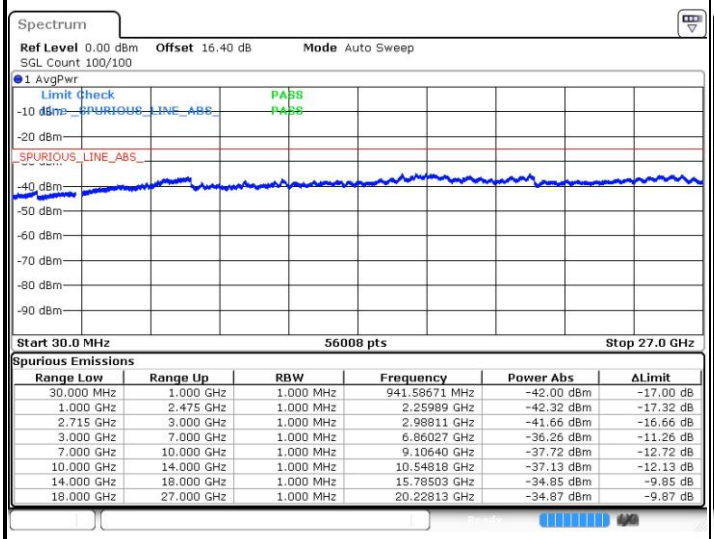

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 915.40980 MHz | -41.85 dBm | -16.85 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 1.97713 GHz | -42.11 dBm | -17.11 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72191 GHz | -38.34 dBm | -13.34 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86727 GHz | -36.35 dBm | -11.35 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.07540 GHz | -38.07 dBm | -13.07 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54868 GHz | -37.12 dBm | -12.12 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.79253 GHz | -34.85 dBm | -9.85 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.25712 GHz | -35.26 dBm | -10.26 dB |

Date: 22.SEP.2018 06:20:23

## LTE Band 41 / 20MHz

### Lowest Channel / QPSK

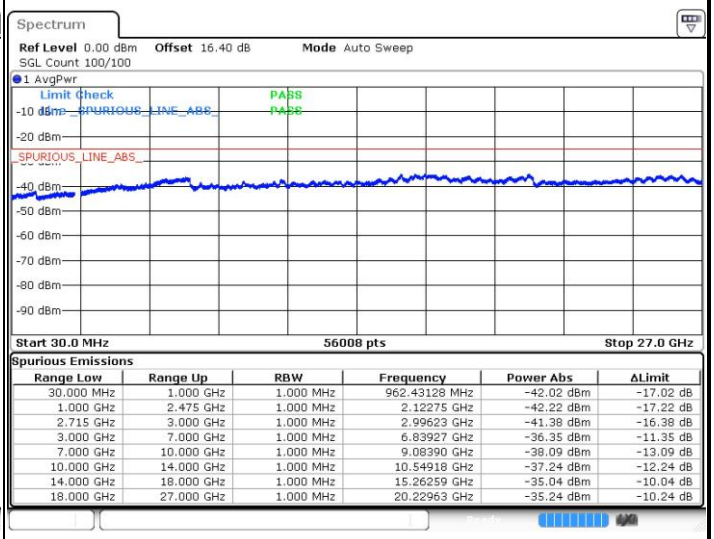



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 941.58671 MHz | -42.00 dBm | -17.00 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.25989 GHz | -42.32 dBm | -17.32 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.98811 GHz | -41.66 dBm | -16.66 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86027 GHz | -36.26 dBm | -11.26 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.10640 GHz | -37.72 dBm | -12.72 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54818 GHz | -37.13 dBm | -12.13 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.78503 GHz | -34.85 dBm | -9.85 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.22813 GHz | -34.87 dBm | -9.87 dB |

Date: 22.SEP.2018 06:21:13

### Lowest Channel / 16QAM



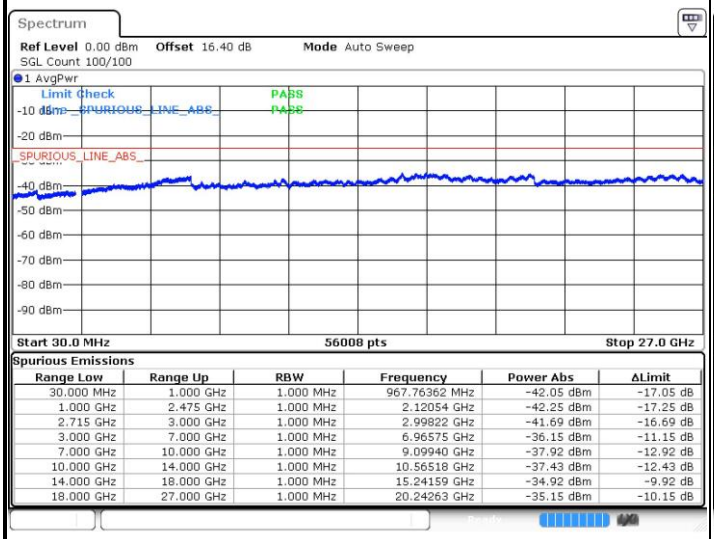

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 962.43128 MHz | -42.02 dBm | -17.02 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.12275 GHz | -42.22 dBm | -17.22 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99623 GHz | -41.38 dBm | -16.38 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.83927 GHz | -36.35 dBm | -11.35 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.08390 GHz | -38.09 dBm | -13.09 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.54918 GHz | -37.24 dBm | -12.24 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.26259 GHz | -35.04 dBm | -10.04 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.22963 GHz | -35.24 dBm | -10.24 dB |

Date: 22.SEP.2018 06:22:03

## LTE Band 41 / 20MHz

### Middle Channel / QPSK

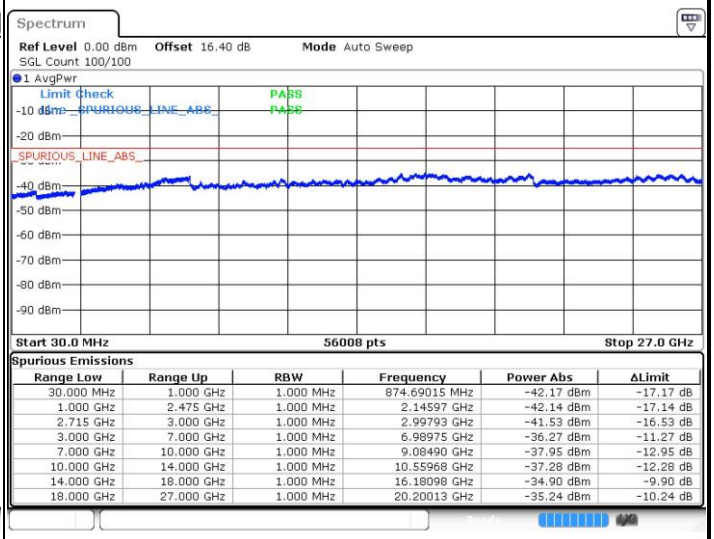



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.76362 MHz | -42.05 dBm | -17.05 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.12054 GHz | -42.25 dBm | -17.25 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99822 GHz | -41.69 dBm | -16.69 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.96575 GHz | -36.15 dBm | -11.15 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09940 GHz | -37.92 dBm | -12.92 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.56518 GHz | -37.43 dBm | -12.43 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.24159 GHz | -34.92 dBm | -9.92 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24263 GHz | -35.15 dBm | -10.15 dB |

Date: 22.SEP.2018 06:22:53

### Middle Channel / 16QAM

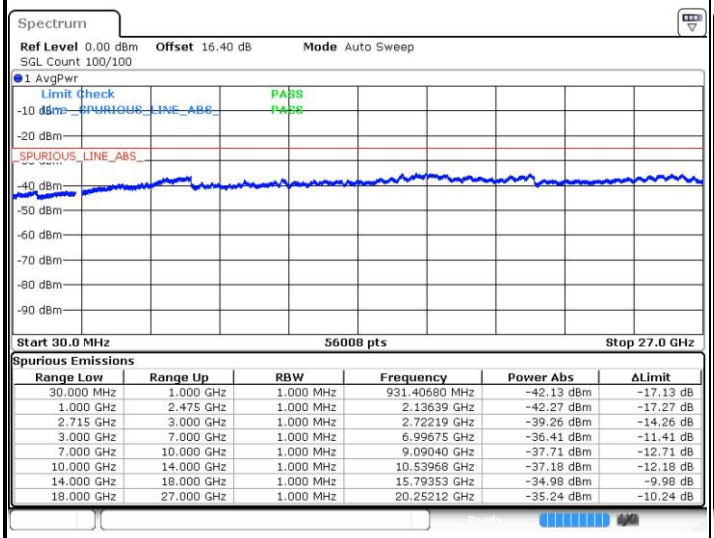



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 874.69015 MHz | -42.17 dBm | -17.17 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.14597 GHz | -42.14 dBm | -17.14 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.99793 GHz | -41.53 dBm | -16.53 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98975 GHz | -36.27 dBm | -11.27 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.08490 GHz | -37.95 dBm | -12.95 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.55968 GHz | -37.28 dBm | -12.28 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.18098 GHz | -34.90 dBm | -9.90 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.20013 GHz | -35.24 dBm | -10.24 dB |

Date: 22.SEP.2018 06:23:43

### Highest Channel / QPSK

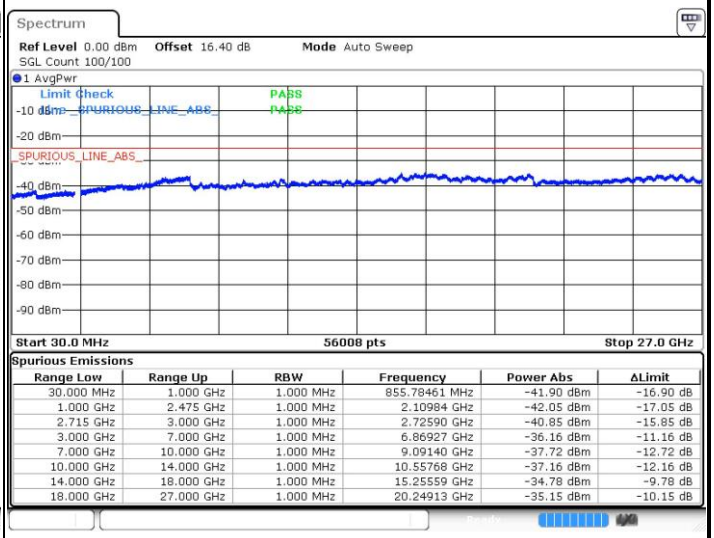



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 931.40680 MHz | -42.13 dBm | -17.13 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.13639 GHz | -42.27 dBm | -17.27 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72219 GHz | -39.26 dBm | -14.26 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99675 GHz | -36.41 dBm | -11.41 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09040 GHz | -37.71 dBm | -12.71 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.53968 GHz | -37.18 dBm | -12.18 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.79353 GHz | -34.98 dBm | -9.98 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.25212 GHz | -35.24 dBm | -10.24 dB |

Date: 22.SEP.2018 06:24:33

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 855.78461 MHz | -41.90 dBm | -16.90 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.10984 GHz | -42.05 dBm | -17.05 dB |
| 2.715 GHz | 3.000 GHz | 1.000 MHz | 2.72590 GHz | -40.85 dBm | -15.85 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86927 GHz | -36.16 dBm | -11.16 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.09140 GHz | -37.72 dBm | -12.72 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.55768 GHz | -37.16 dBm | -12.16 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.25559 GHz | -34.78 dBm | -9.78 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.24913 GHz | -35.15 dBm | -10.15 dB |

Date: 22.SEP.2018 06:25:23

# 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 | 0.0018 | PASS |
| 40 | Normal Voltage | 0.0010 | |
| 30 | Normal Voltage | 0.0018 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0026 | |
| -10 | Normal Voltage | 0.0018 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0003 | |
| 20 | Maximum Voltage | 0.0030 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0005 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# LTE Band 66

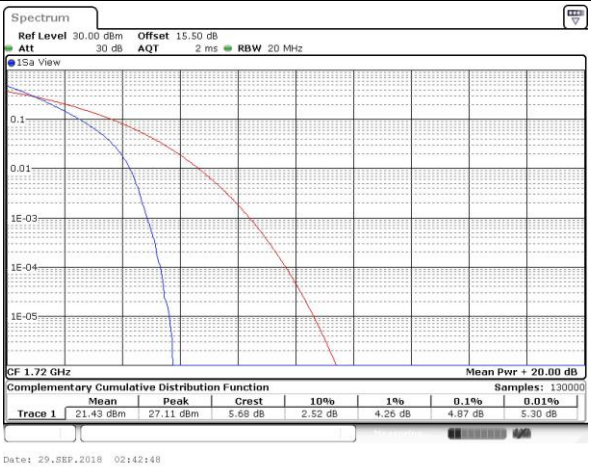
## Peak-to-Average Ratio

| Mode | LTE Band 66 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.94 | 4.87 | 4.41 | 5.91 | PASS |
| Middle CH | 3.94 | 5.07 | 4.58 | 6.06 | |
| Highest CH | 3.48 | 5.07 | 4.78 | 6.09 | |

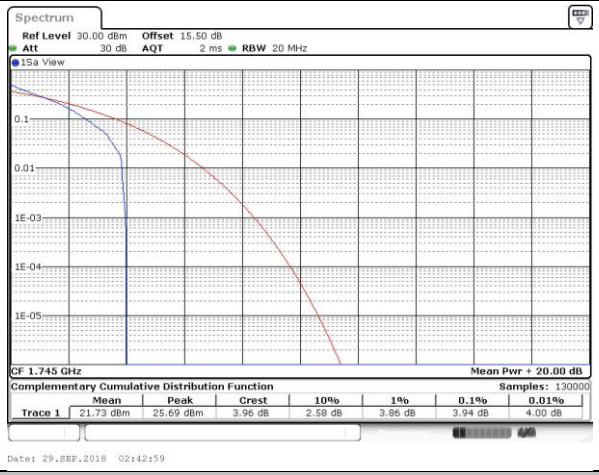
## LTE Band 66 / 20MHz / QPSK

### Lowest Channel / 1RB

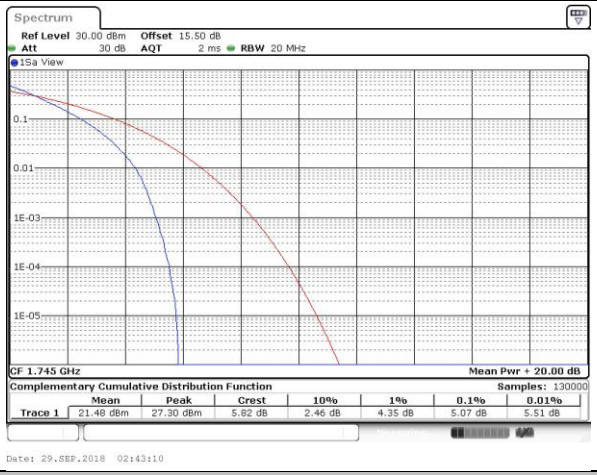
### Lowest Channel / Full RB




### Middle Channel / 1RB

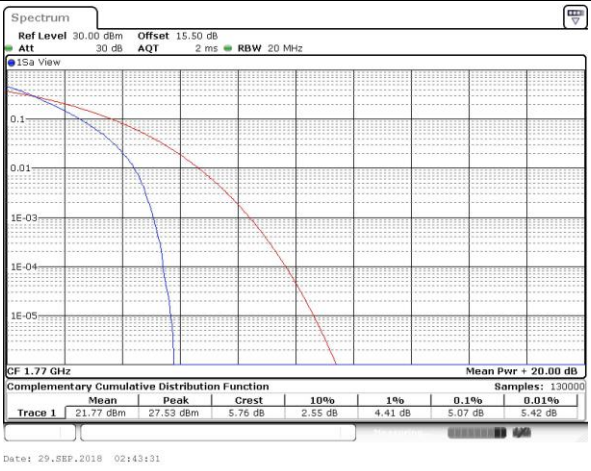



### Middle Channel / Full RB



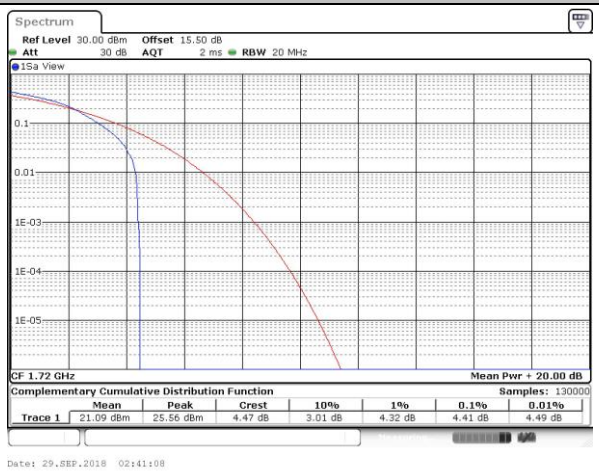

### Highest Channel / 1RB

### Highest Channel / Full RB

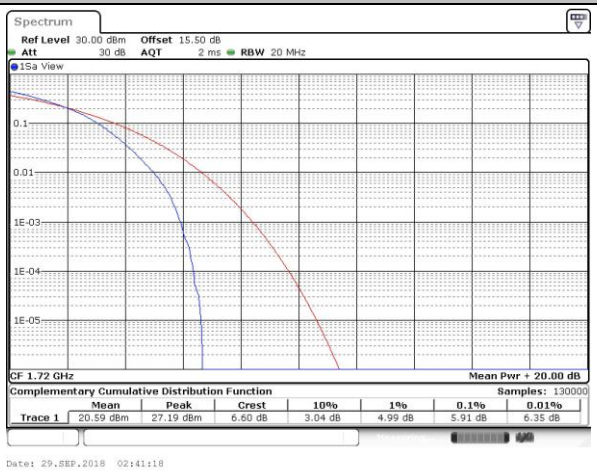


## LTE Band 66 / 20MHz / 16QAM

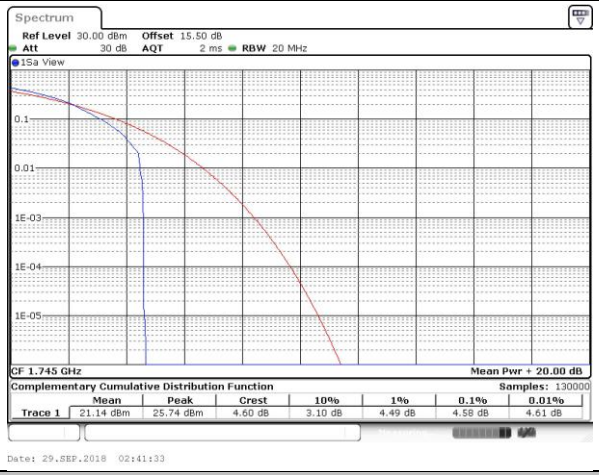
### Lowest Channel / 1RB



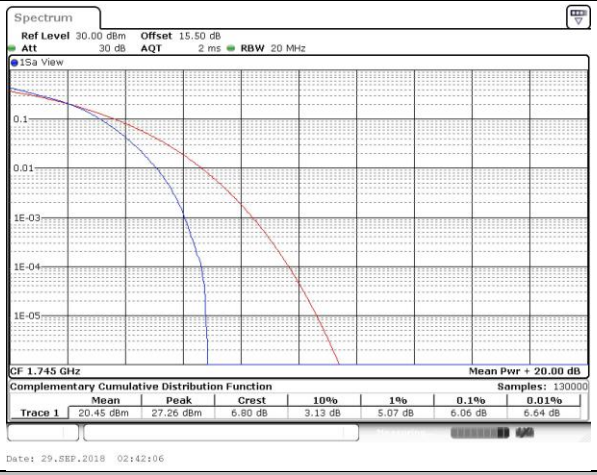

### Lowest Channel / Full RB




### Middle Channel / 1RB

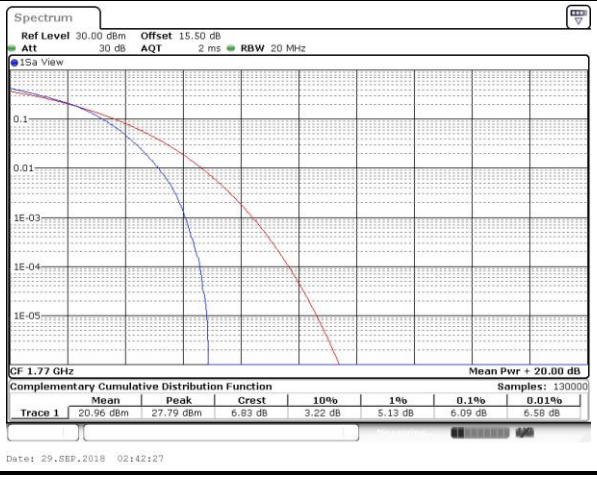



### Middle Channel / Full RB




### Highest Channel / 1RB

### Highest Channel / Full RB

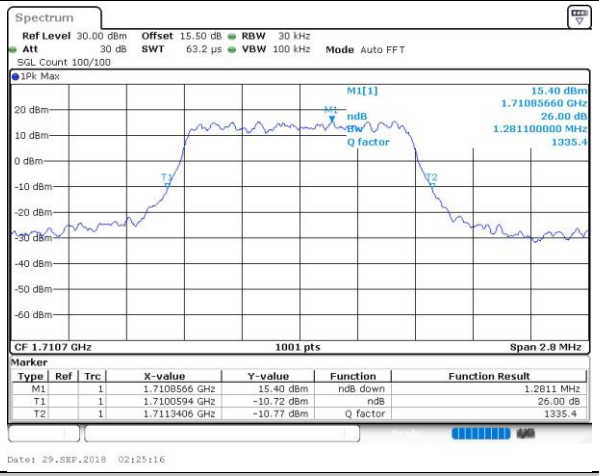


# 26dB Bandwidth

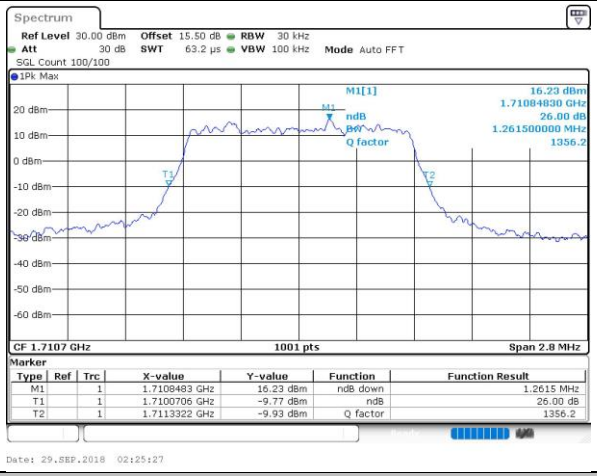
| Mode | LTE Band 66 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.28 | 1.26 | 2.98 | 3.03 | 4.94 | 4.99 | 9.61 | 9.79 | 14.33 | 14.42 | 20.30 | 20.26 |
| Middle CH | 1.28 | 1.28 | 3.00 | 3.02 | 4.99 | 4.99 | 9.73 | 9.91 | 14.48 | 14.69 | 20.22 | 20.14 |
| Highest CH | 1.28 | 1.25 | 3.00 | 3.01 | 5.00 | 4.91 | 9.79 | 9.81 | 14.60 | 14.30 | 20.14 | 20.18 |

## LTE Band 66

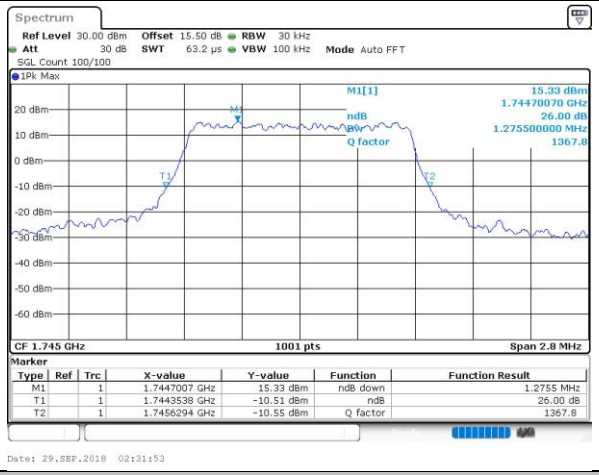
### Lowest Channel / 1.4MHz / QPSK



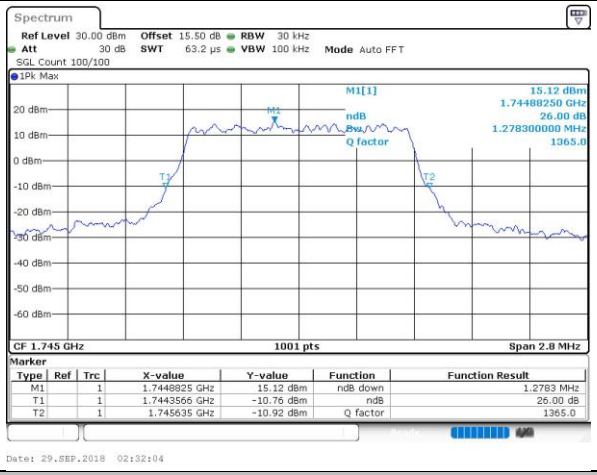

### Lowest Channel / 1.4MHz / 16QAM



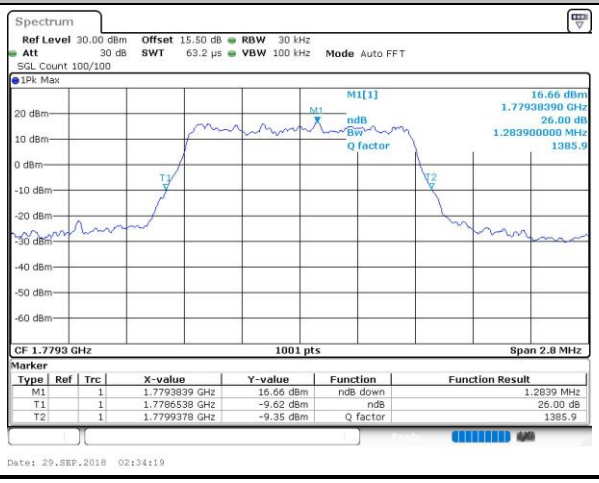

### Middle Channel / 1.4MHz / QPSK



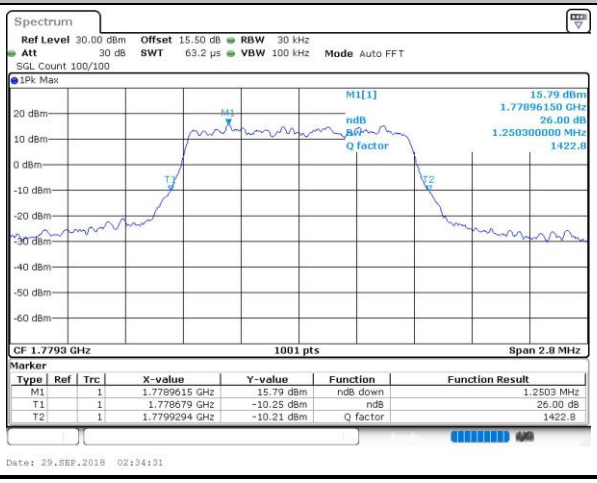

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

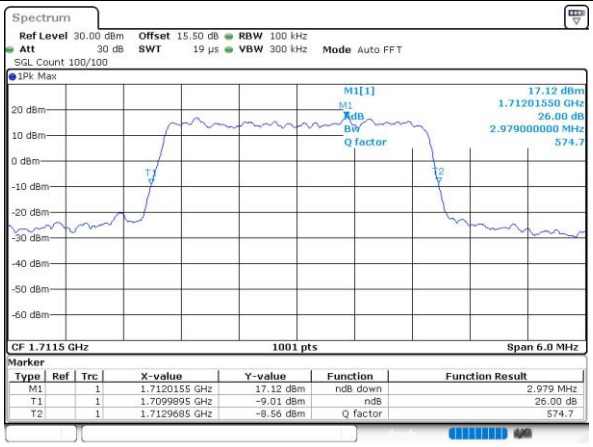



### Highest Channel / 1.4MHz / 16QAM

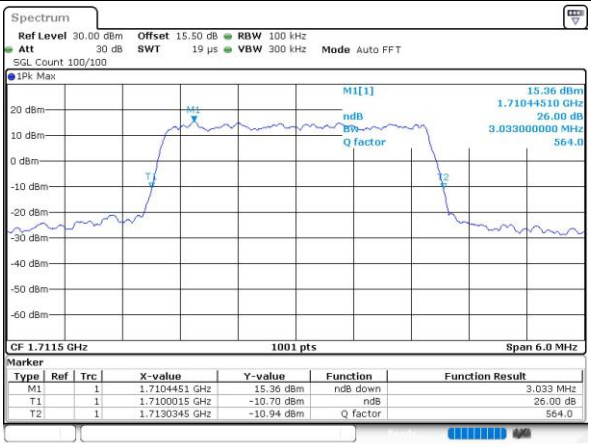


## LTE Band 66

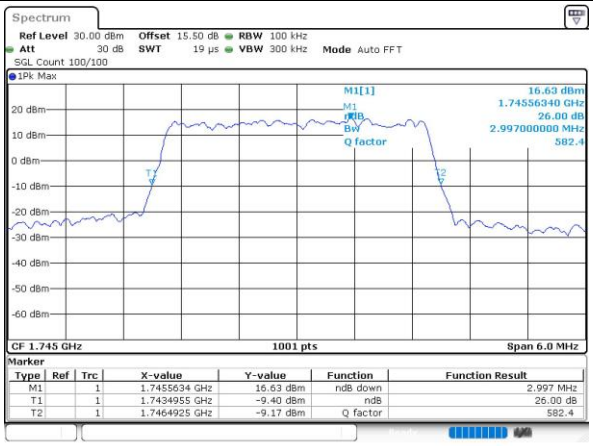
### Lowest Channel / 3MHz / QPSK



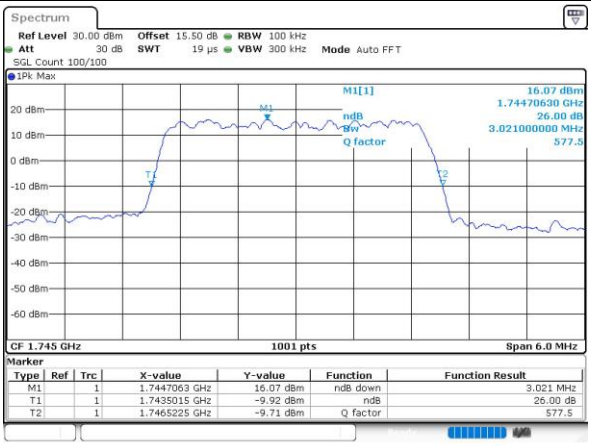

### Lowest Channel / 3MHz / 16QAM



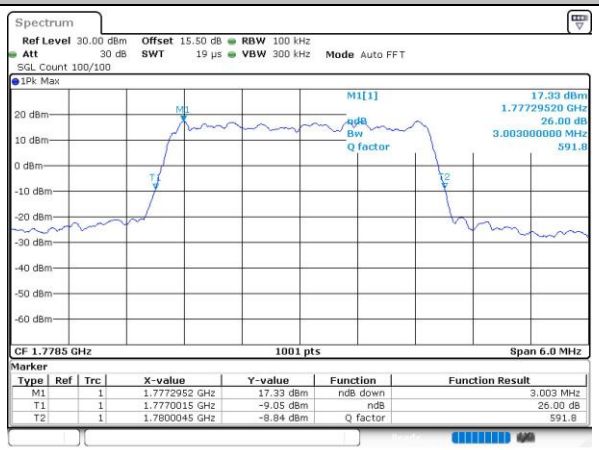

### Middle Channel / 3MHz / QPSK



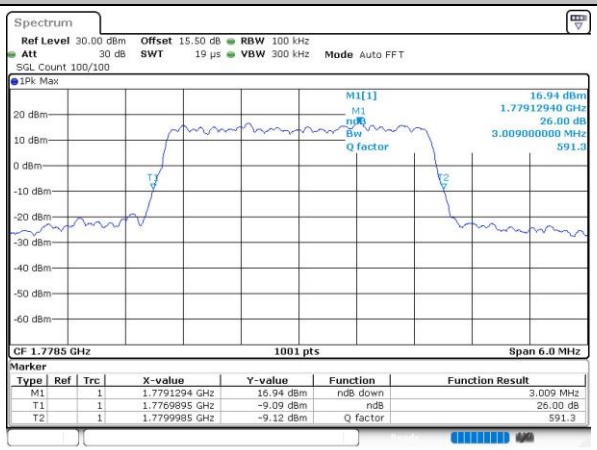

### Middle Channel /3MHz / 16QAM




### Highest Channel /3MHz / QPSK

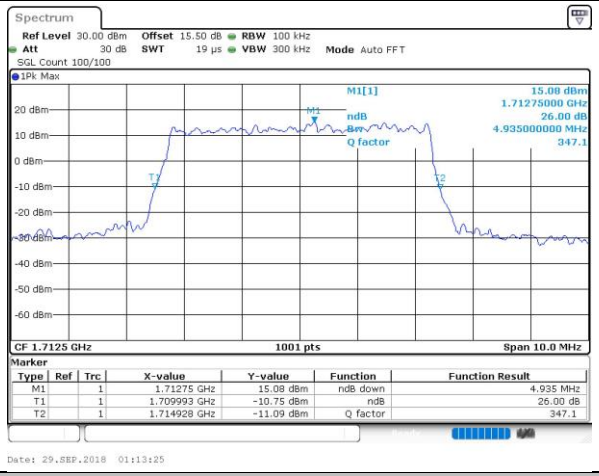



### Highest Channel /3MHz / 16QAM

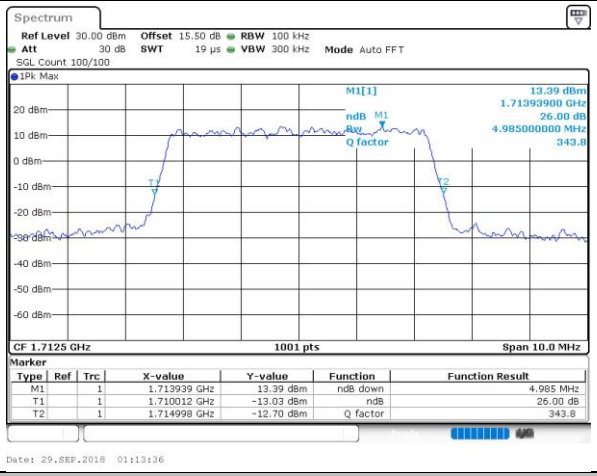


## LTE Band 66

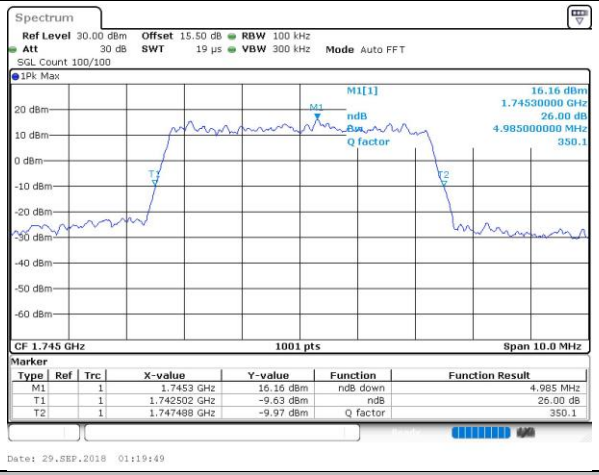
### Lowest Channel / 5MHz / QPSK



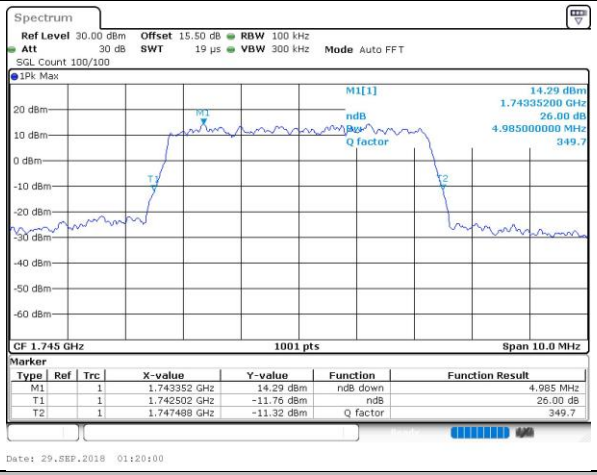

### Lowest Channel / 5MHz / 16QAM



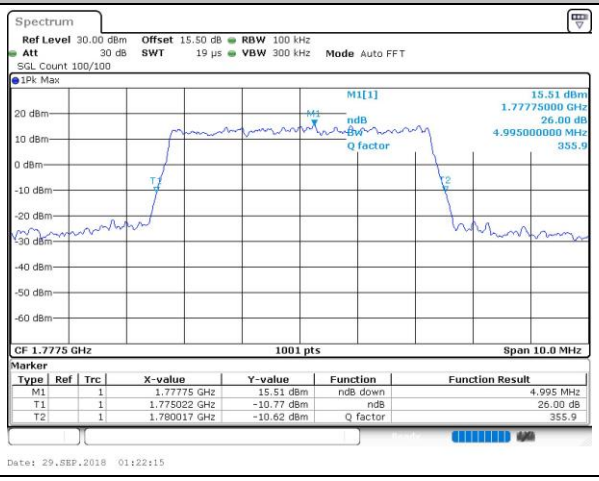

### Middle Channel / 5MHz / QPSK



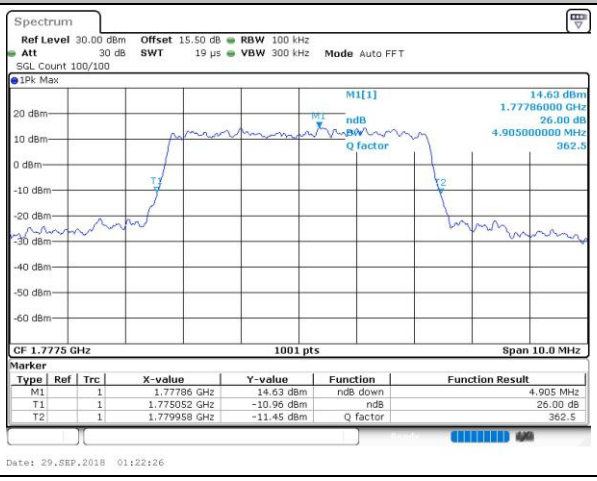

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

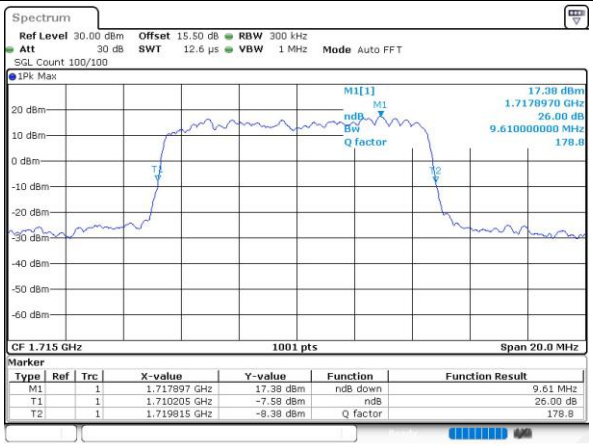



### Highest Channel / 5MHz / 16QAM

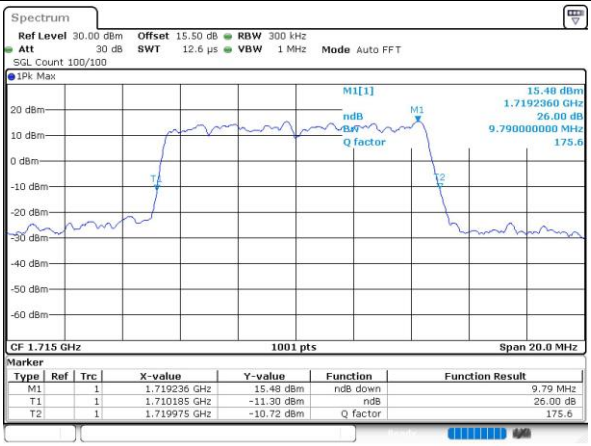


## LTE Band 66

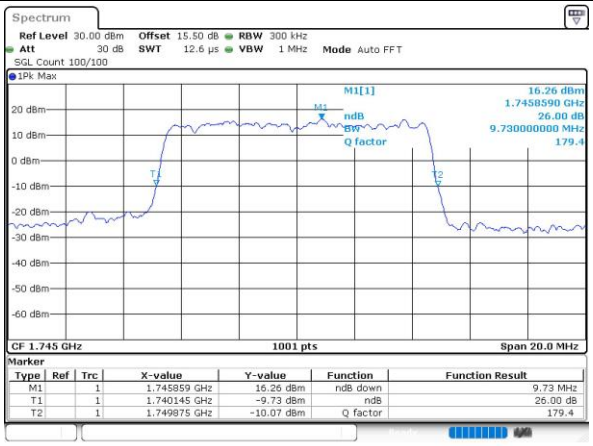
### Lowest Channel / 10MHz / QPSK



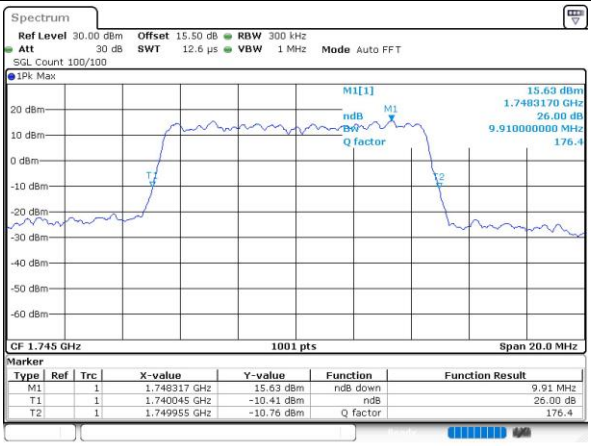

### Lowest Channel / 10MHz / 16QAM



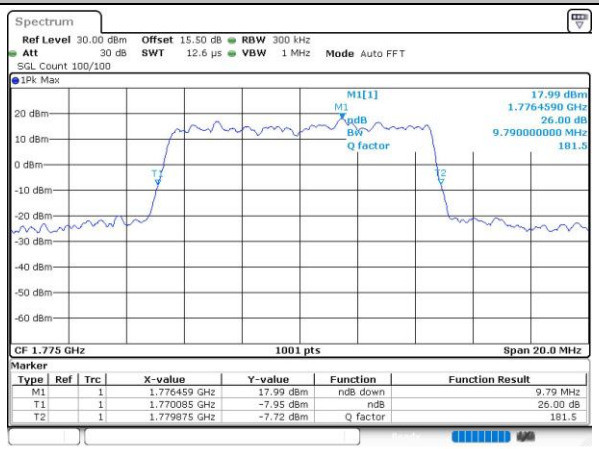

### Middle Channel / 10MHz / QPSK



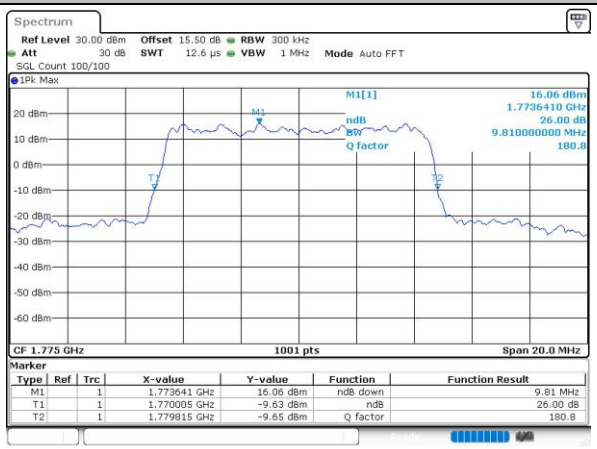

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

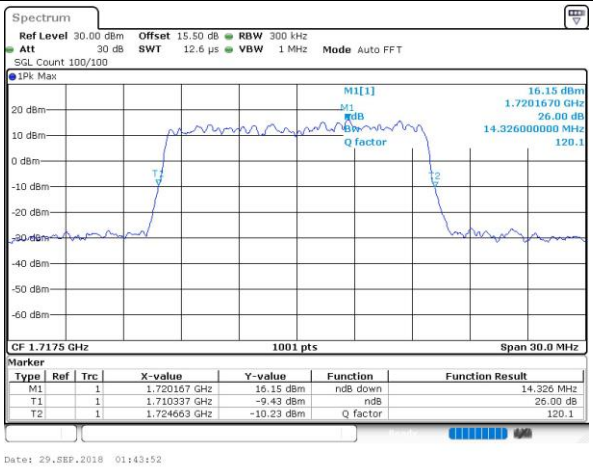



### Highest Channel / 10MHz / 16QAM

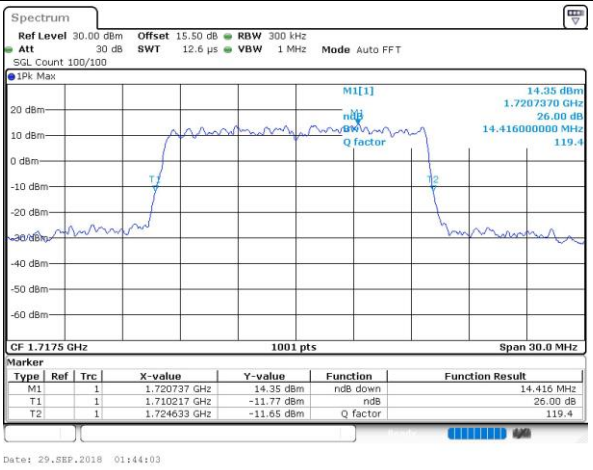


## LTE Band 66

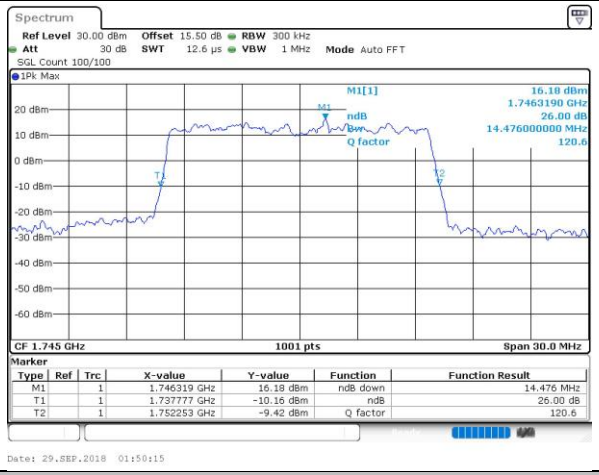
### Lowest Channel / 15MHz / QPSK



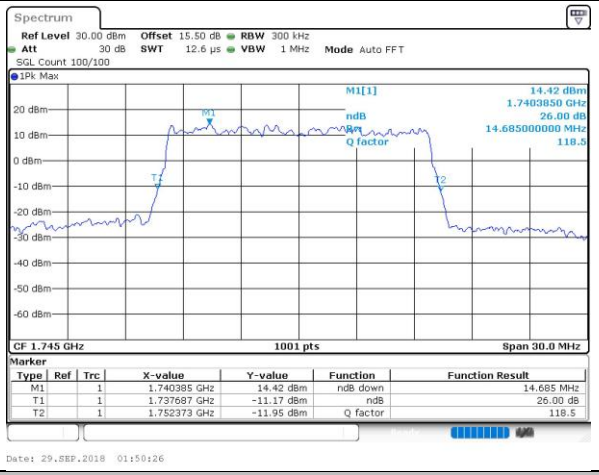

### Lowest Channel / 15MHz / 16QAM



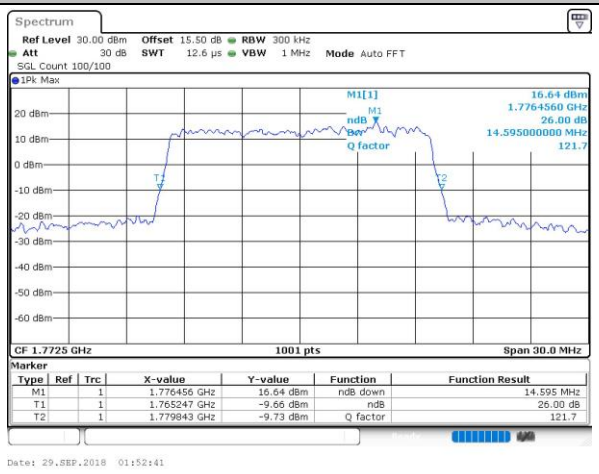

### Middle Channel / 15MHz / QPSK



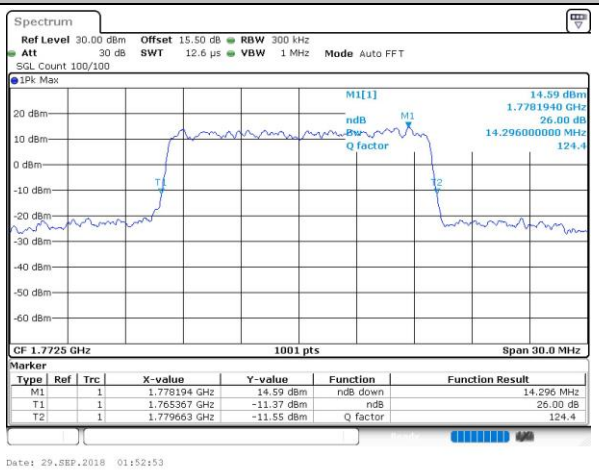

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

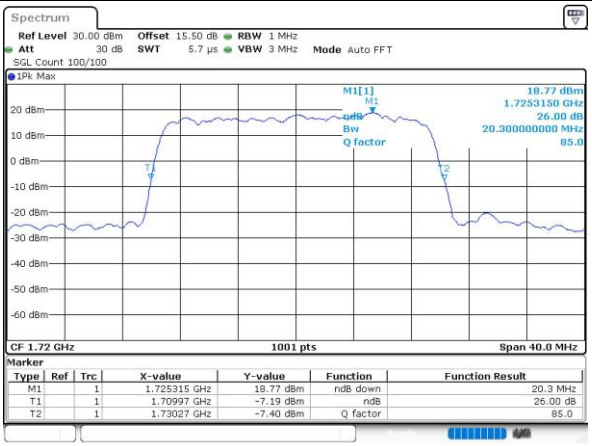



### Highest Channel / 15MHz / 16QAM

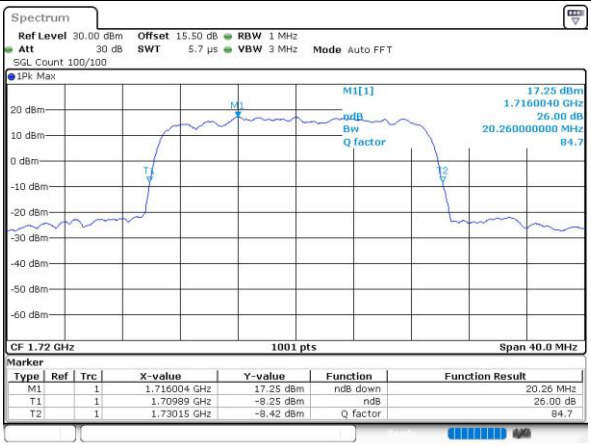


## LTE Band 66

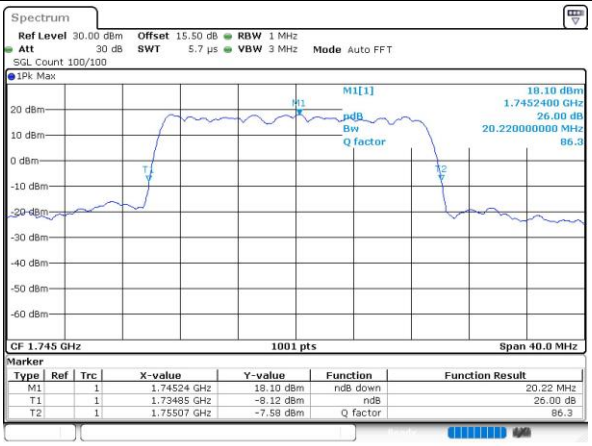
### Lowest Channel / 20MHz / QPSK



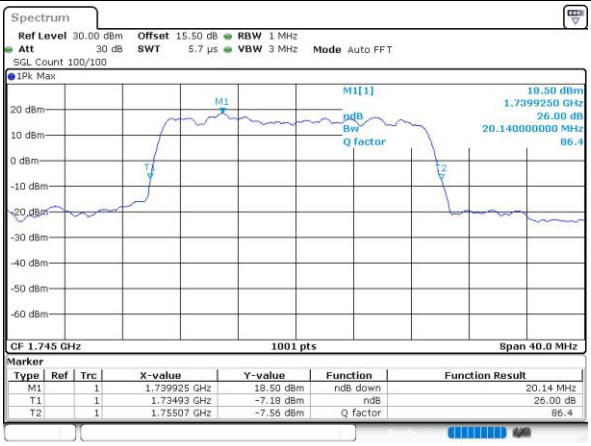

### Lowest Channel / 20MHz / 16QAM



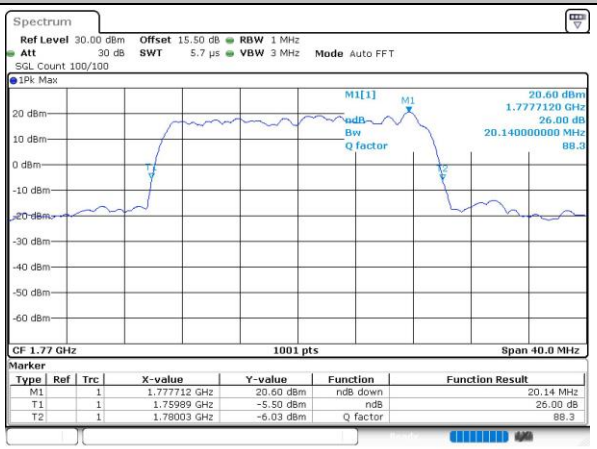

### Middle Channel / 20MHz / QPSK



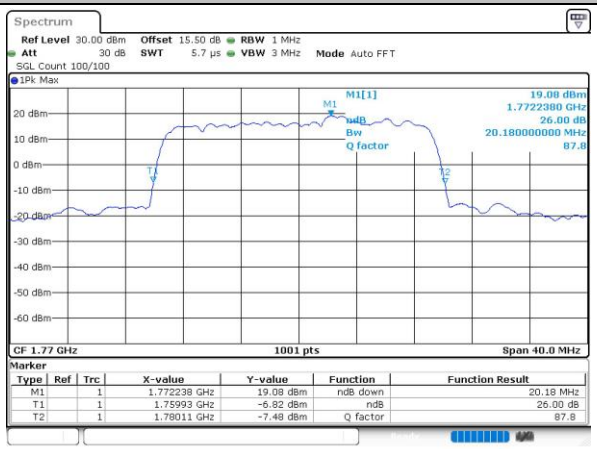

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK




### Highest Channel / 20MHz / 16QAM

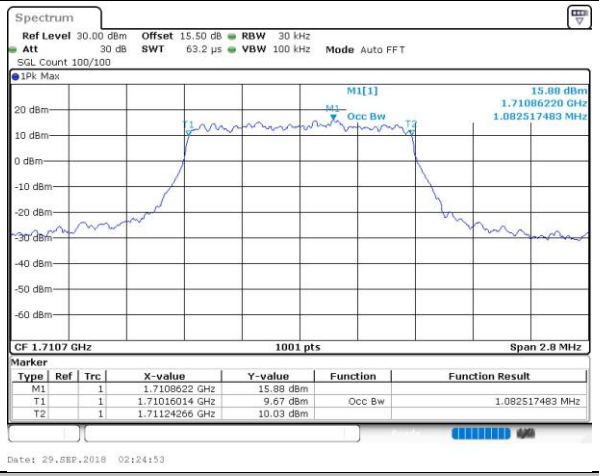


# Occupied Bandwidth

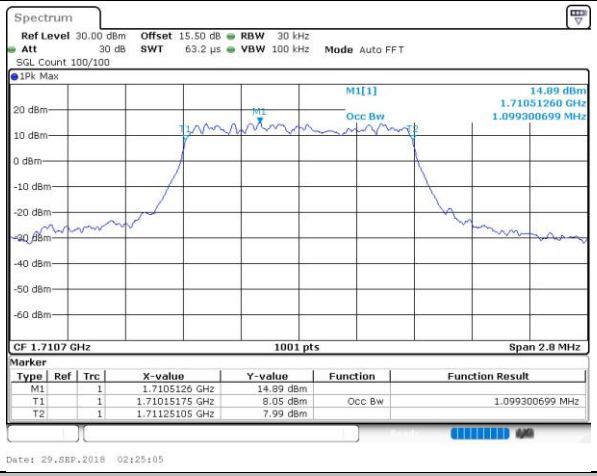
| Mode | LTE Band 66 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.08 | 1.10 | 2.72 | 2.71 | 4.52 | 4.50 | 9.01 | 9.05 | 13.49 | 13.46 | 18.30 | 18.30 |
| Middle CH | 1.09 | 1.10 | 2.70 | 2.73 | 4.49 | 4.50 | 9.01 | 9.05 | 13.49 | 13.43 | 18.38 | 18.46 |
| Highest CH | 1.09 | 1.09 | 2.73 | 2.73 | 4.50 | 4.48 | 9.07 | 9.07 | 13.40 | 13.46 | 18.42 | 18.34 |

## LTE Band 66

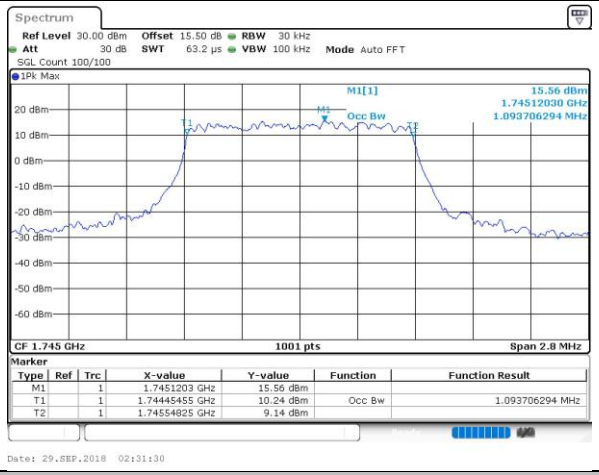
### Lowest Channel / 1.4MHz / QPSK



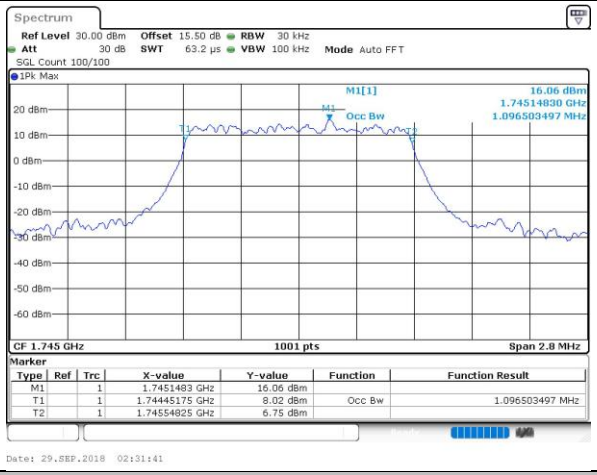

### Lowest Channel / 1.4MHz / 16QAM



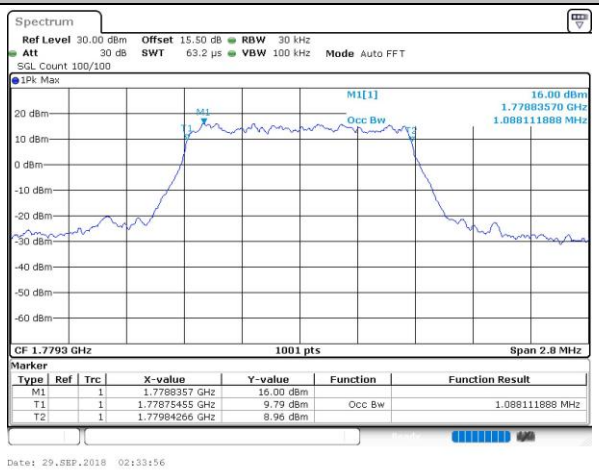

### Middle Channel / 1.4MHz / QPSK



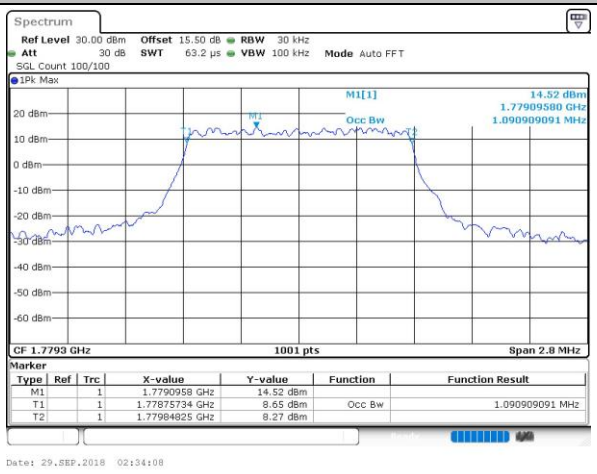

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

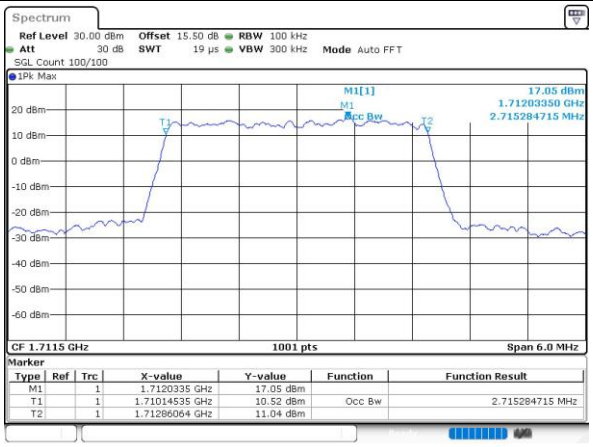



### Highest Channel / 1.4MHz / 16QAM

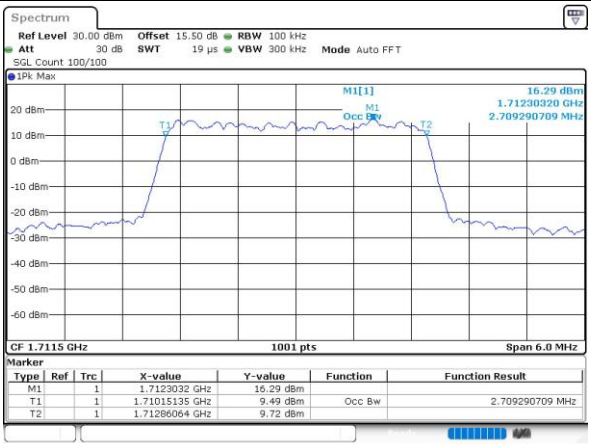


## LTE Band 66

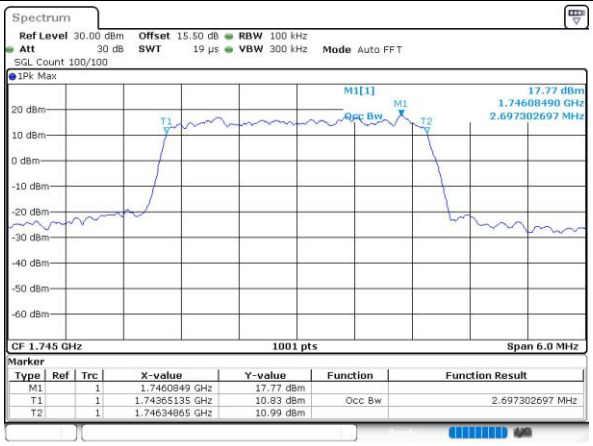
### Lowest Channel / 3MHz / QPSK



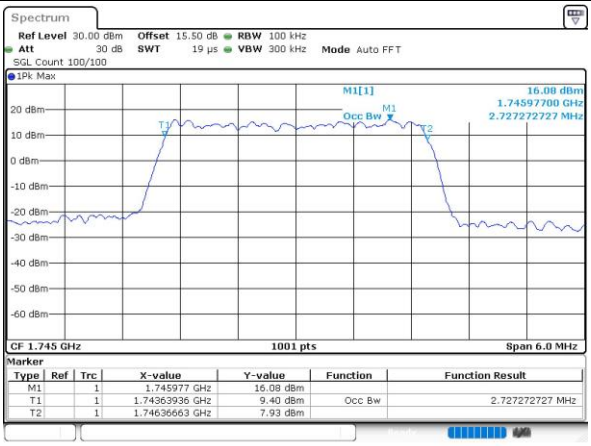

### Lowest Channel / 3MHz / 16QAM



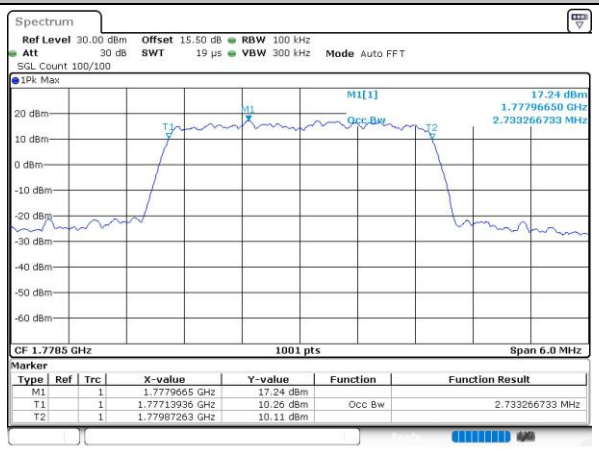

### Middle Channel / 3MHz / QPSK

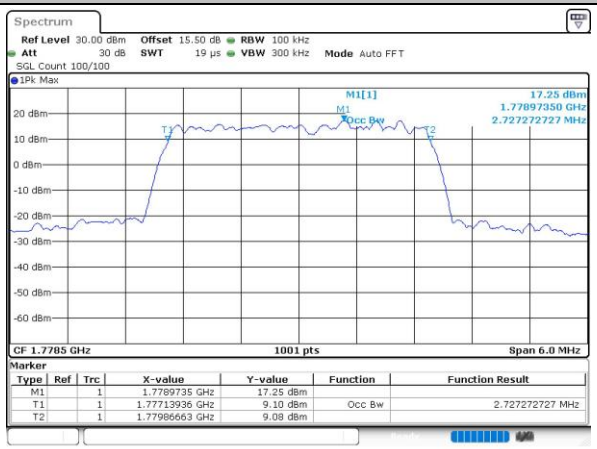



### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK




### Highest Channel / 3MHz / 16QAM