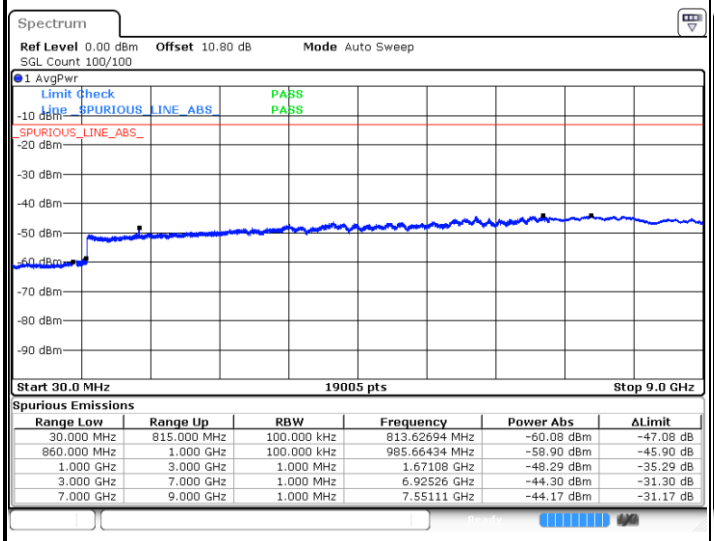
## LTE Band 5 / 3MHz

### Middle Channel / QPSK

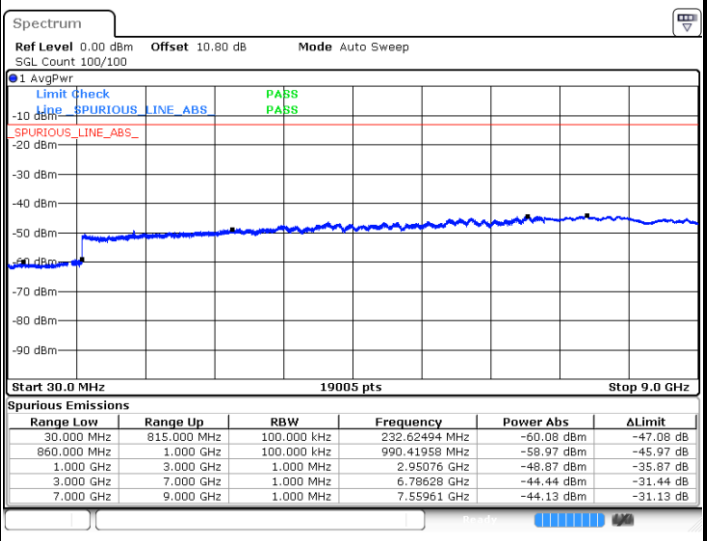



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 813.62694 MHz | -60.08 dBm | -47.08 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 985.66434 MHz | -58.90 dBm | -45.90 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67108 GHz | -48.29 dBm | -35.29 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92526 GHz | -44.30 dBm | -31.30 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55111 GHz | -44.17 dBm | -31.17 dB |

Date: 4.JAN.2020 05:39:11

### Middle Channel / 16QAM

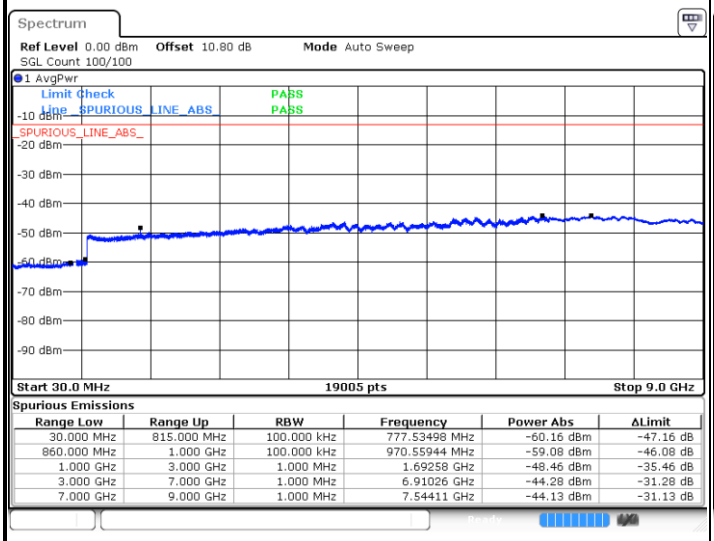



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 232.62494 MHz | -60.08 dBm | -47.08 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 990.41958 MHz | -58.97 dBm | -45.97 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.95076 GHz | -48.87 dBm | -35.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.78628 GHz | -44.44 dBm | -31.44 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55961 GHz | -44.13 dBm | -31.13 dB |

Date: 4.JAN.2020 05:39:51

### Highest Channel / QPSK

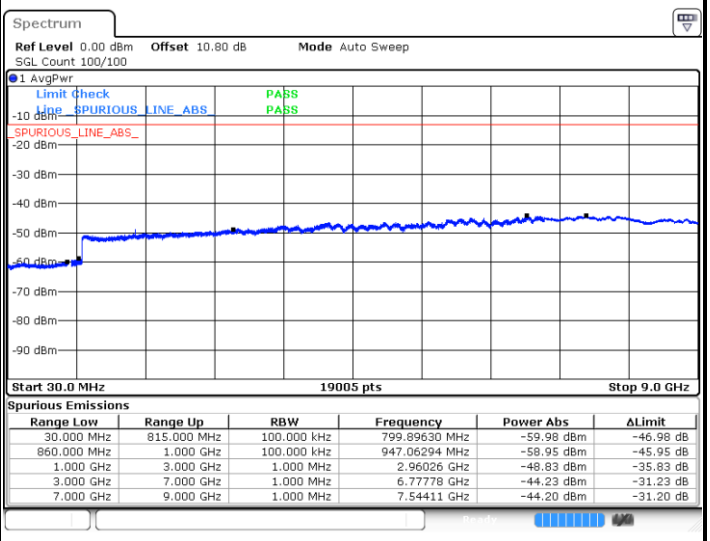



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 777.53498 MHz | -60.16 dBm | -47.16 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 970.55944 MHz | -59.08 dBm | -46.08 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69258 GHz | -48.46 dBm | -35.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.91026 GHz | -44.28 dBm | -31.28 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54411 GHz | -44.13 dBm | -31.13 dB |

Date: 4.JAN.2020 05:48:04

### Highest Channel / 16QAM



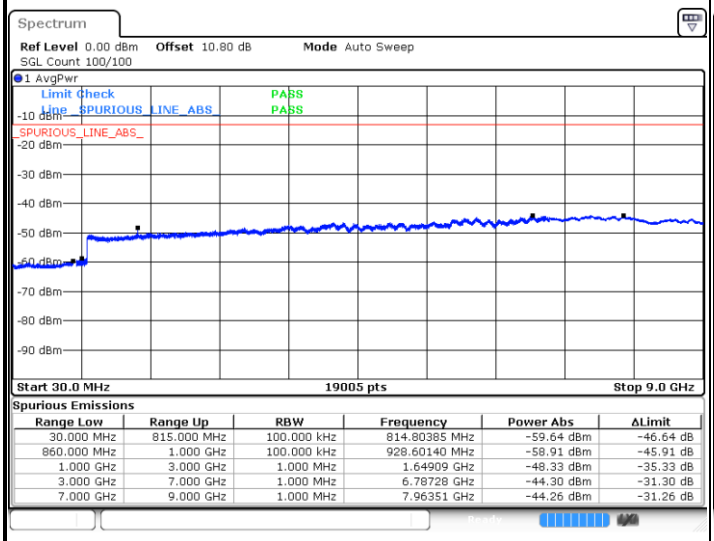

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 799.89630 MHz | -59.98 dBm | -46.98 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 947.06294 MHz | -58.95 dBm | -45.95 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96026 GHz | -48.83 dBm | -35.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.77778 GHz | -44.23 dBm | -31.23 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54411 GHz | -44.20 dBm | -31.20 dB |

Date: 4.JAN.2020 05:48:45

## LTE Band 5 / 5MHz

### Lowest Channel / QPSK

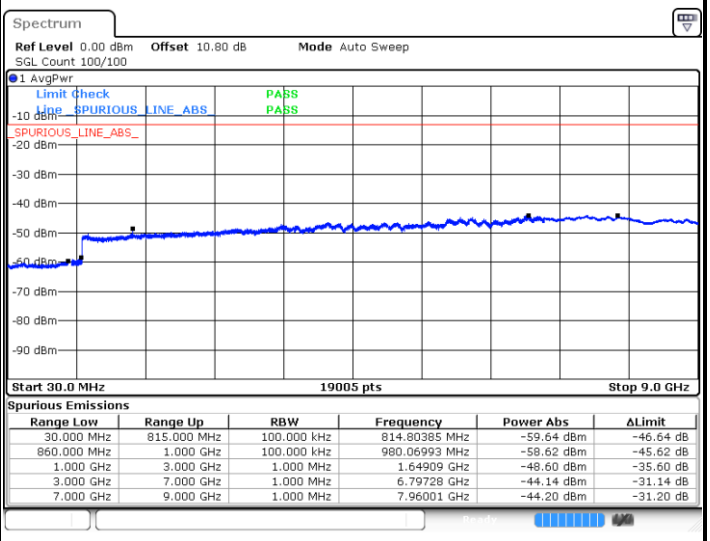



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.80385 MHz | -59.64 dBm | -46.64 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 928.60140 MHz | -58.91 dBm | -45.91 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64909 GHz | -48.33 dBm | -35.33 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.78728 GHz | -44.30 dBm | -31.30 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.96351 GHz | -44.26 dBm | -31.26 dB |

Date: 4.JAN.2020 04:16:48

### Lowest Channel / 16QAM

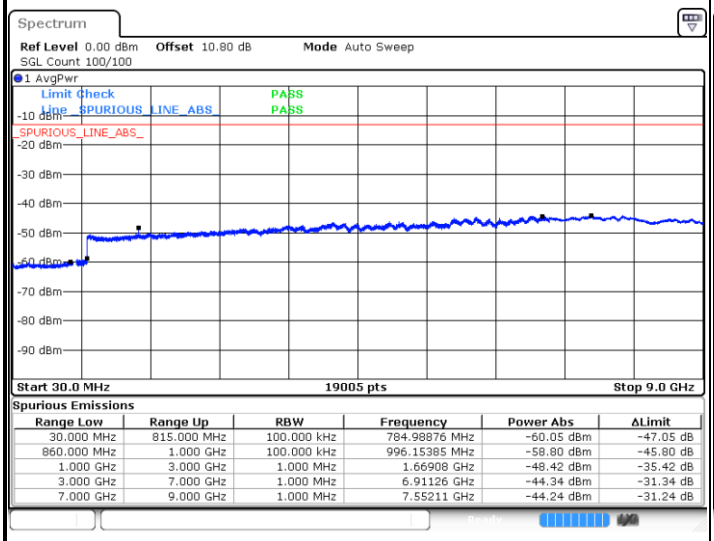



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.80385 MHz | -59.64 dBm | -46.64 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 980.06993 MHz | -58.62 dBm | -45.62 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64909 GHz | -48.60 dBm | -35.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79728 GHz | -44.14 dBm | -31.14 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.96001 GHz | -44.20 dBm | -31.20 dB |

Date: 4.JAN.2020 04:17:29

### Middle Channel / QPSK

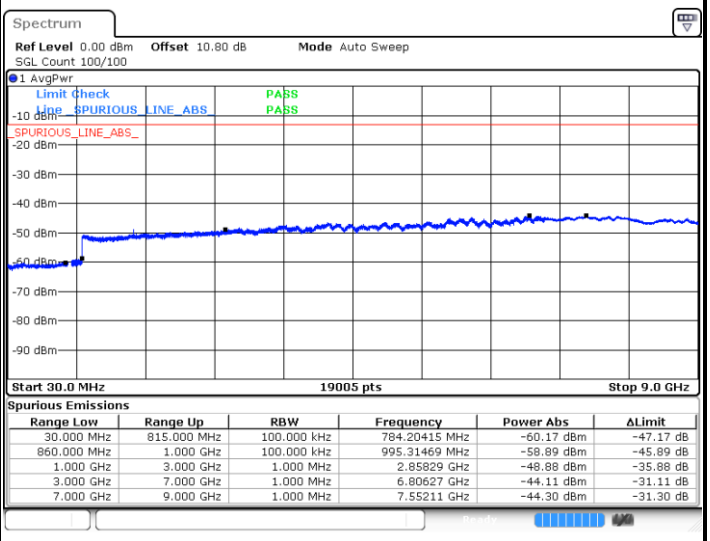



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 784.98876 MHz | -60.05 dBm | -47.05 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 996.15385 MHz | -58.80 dBm | -45.80 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66908 GHz | -48.42 dBm | -35.42 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.91126 GHz | -44.34 dBm | -31.34 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55211 GHz | -44.24 dBm | -31.24 dB |

Date: 4.JAN.2020 04:18:56

### Middle Channel / 16QAM



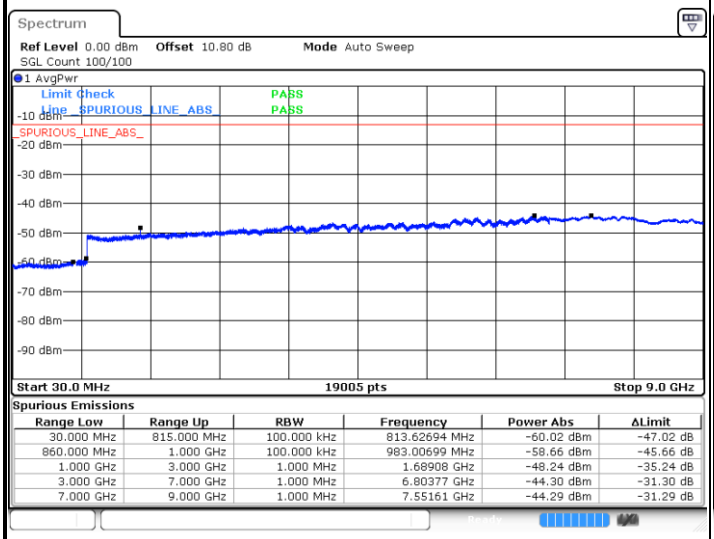

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 784.20415 MHz | -60.17 dBm | -47.17 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 995.31469 MHz | -58.89 dBm | -45.89 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85829 GHz | -48.88 dBm | -35.88 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80627 GHz | -44.11 dBm | -31.11 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55211 GHz | -44.30 dBm | -31.30 dB |

Date: 4.JAN.2020 04:19:36

## LTE Band 5 / 5MHz

### Highest Channel / QPSK

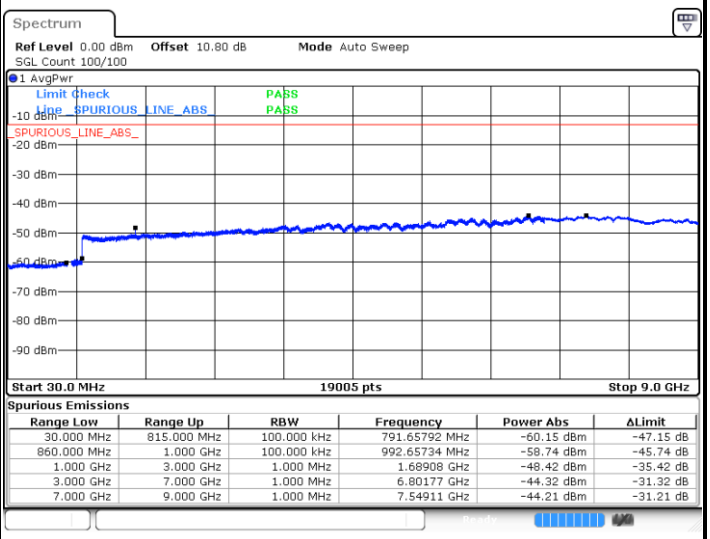



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 813.62694 MHz | -60.02 dBm | -47.02 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 983.00699 MHz | -58.66 dBm | -45.66 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.68908 GHz | -48.24 dBm | -35.24 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80377 GHz | -44.30 dBm | -31.30 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55161 GHz | -44.29 dBm | -31.29 dB |

Date: 4.JAN.2020 04:27:49

### Highest Channel / 16QAM



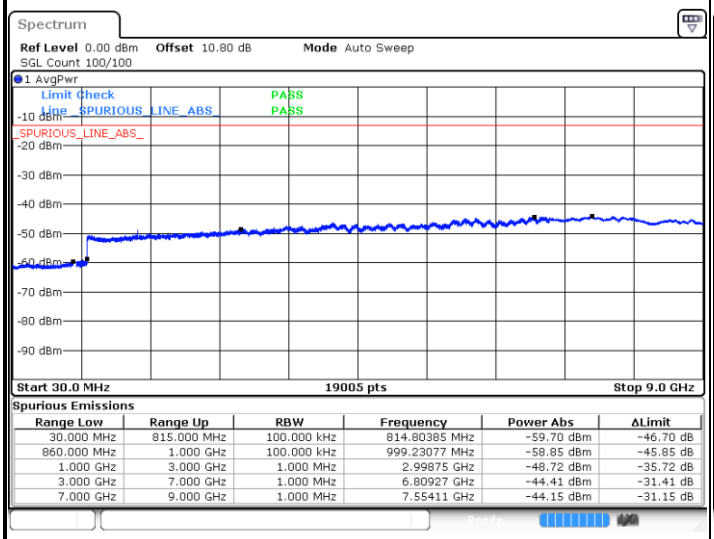

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 791.65792 MHz | -60.15 dBm | -47.15 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 992.65734 MHz | -58.74 dBm | -45.74 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.68908 GHz | -48.42 dBm | -35.42 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80177 GHz | -44.32 dBm | -31.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54911 GHz | -44.21 dBm | -31.21 dB |

Date: 4.JAN.2020 04:28:30

## LTE Band 5 / 10MHz

### Lowest Channel / QPSK

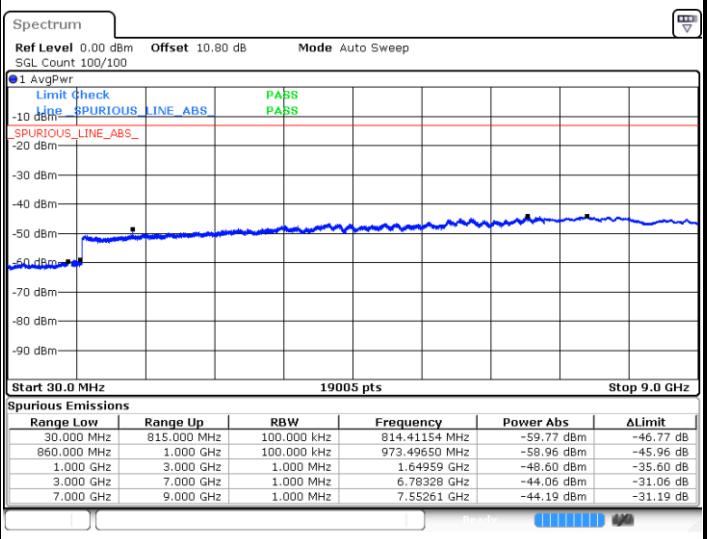



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.80385 MHz | -59.70 dBm | -46.70 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 999.23077 MHz | -58.85 dBm | -45.85 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99875 GHz | -48.72 dBm | -35.72 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80927 GHz | -44.41 dBm | -31.41 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55411 GHz | -44.15 dBm | -31.15 dB |

Date: 4.JAN.2020 04:46:01

### Lowest Channel / 16QAM



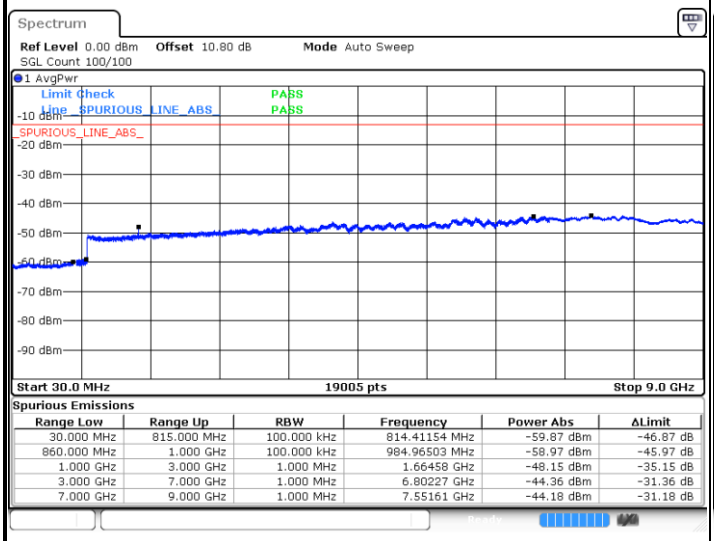

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -59.77 dBm | -46.77 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 973.49650 MHz | -58.96 dBm | -45.96 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64959 GHz | -48.60 dBm | -35.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.78328 GHz | -44.06 dBm | -31.06 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55261 GHz | -44.19 dBm | -31.19 dB |

Date: 4.JAN.2020 04:46:42

## LTE Band 5 / 10MHz

### Middle Channel / QPSK

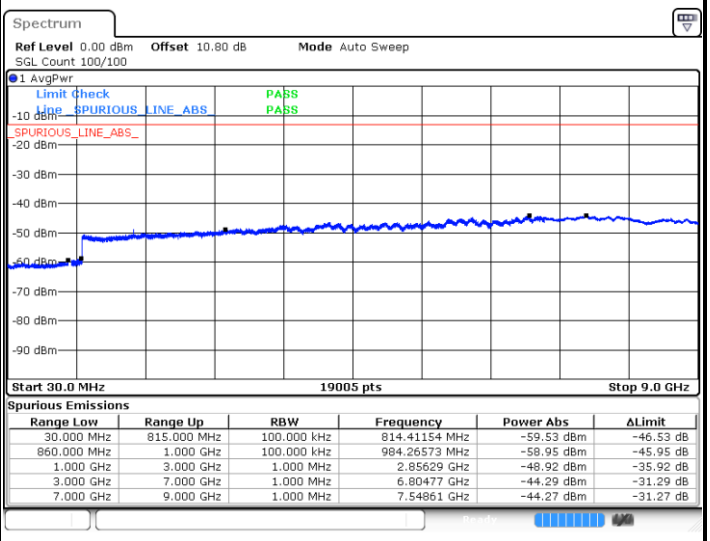



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -59.87 dBm | -46.87 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 984.96503 MHz | -58.97 dBm | -45.97 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -48.15 dBm | -35.15 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80227 GHz | -44.36 dBm | -31.36 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55161 GHz | -44.18 dBm | -31.18 dB |

Date: 4.JAN.2020 04:48:09

### Middle Channel / 16QAM

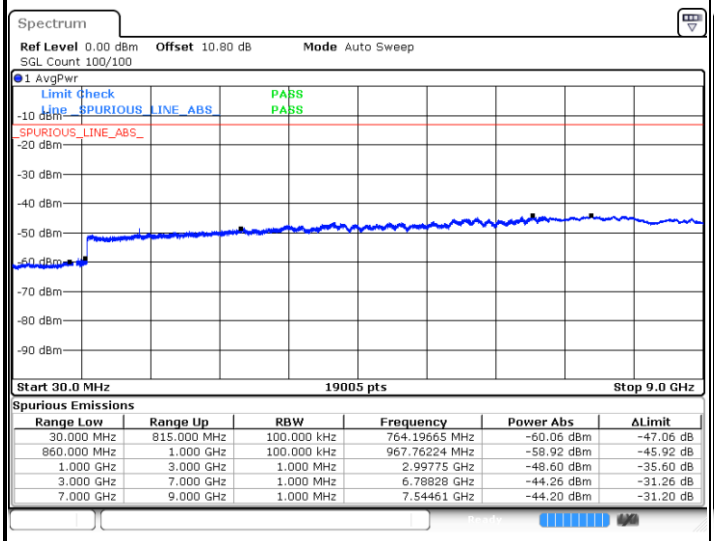



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -59.53 dBm | -46.53 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 984.26573 MHz | -58.95 dBm | -45.95 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.85629 GHz | -48.92 dBm | -35.92 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80477 GHz | -44.29 dBm | -31.29 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54861 GHz | -44.27 dBm | -31.27 dB |

Date: 4.JAN.2020 04:48:50

### Highest Channel / QPSK

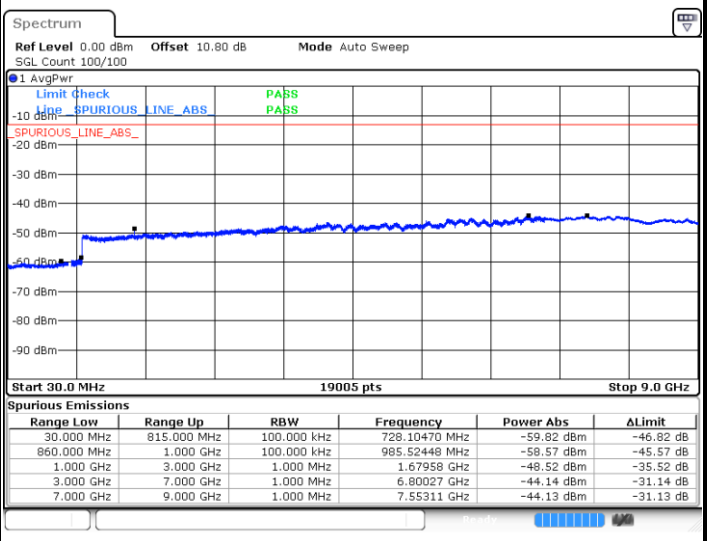



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 764.19665 MHz | -60.06 dBm | -47.06 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 967.76224 MHz | -58.92 dBm | -45.92 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99775 GHz | -48.60 dBm | -35.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.78828 GHz | -44.26 dBm | -31.26 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54461 GHz | -44.20 dBm | -31.20 dB |

Date: 4.JAN.2020 04:57:02

### Highest Channel / 16QAM



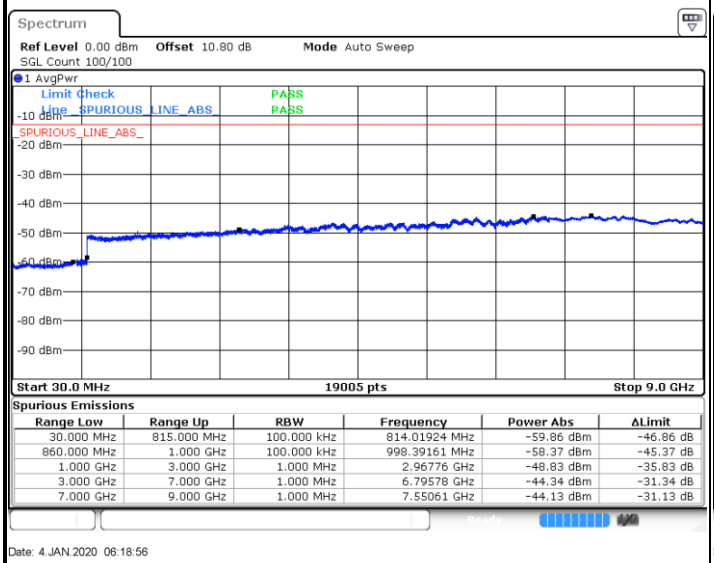

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 728.10470 MHz | -59.82 dBm | -46.82 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 985.52448 MHz | -58.57 dBm | -45.57 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -48.52 dBm | -35.52 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80027 GHz | -44.14 dBm | -31.14 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55311 GHz | -44.13 dBm | -31.13 dB |

Date: 4.JAN.2020 04:57:43

## LTE Band 5 / 1.4MHz

### Lowest Channel / 64QAM

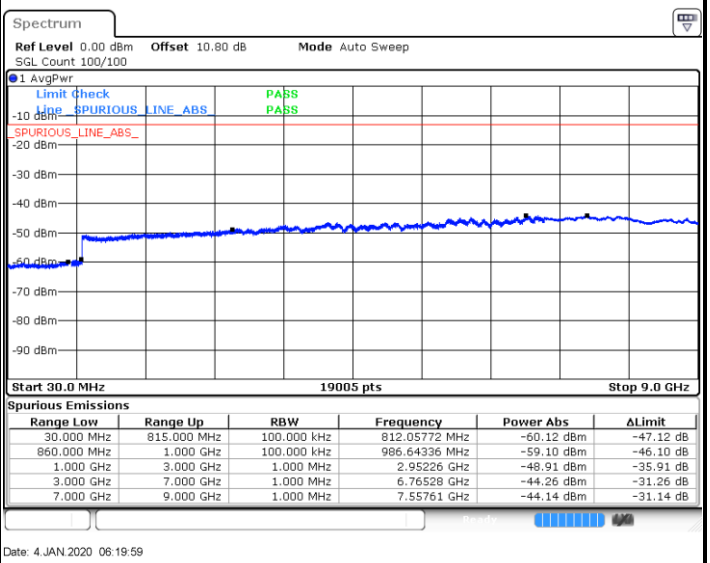



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.01924 MHz | -59.86 dBm | -46.86 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 998.39161 MHz | -58.37 dBm | -45.37 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96776 GHz | -48.83 dBm | -35.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79578 GHz | -44.34 dBm | -31.34 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55051 GHz | -44.13 dBm | -31.13 dB |

Date: 4.JAN.2020 06:18:56

### Middle Channel / 64QAM

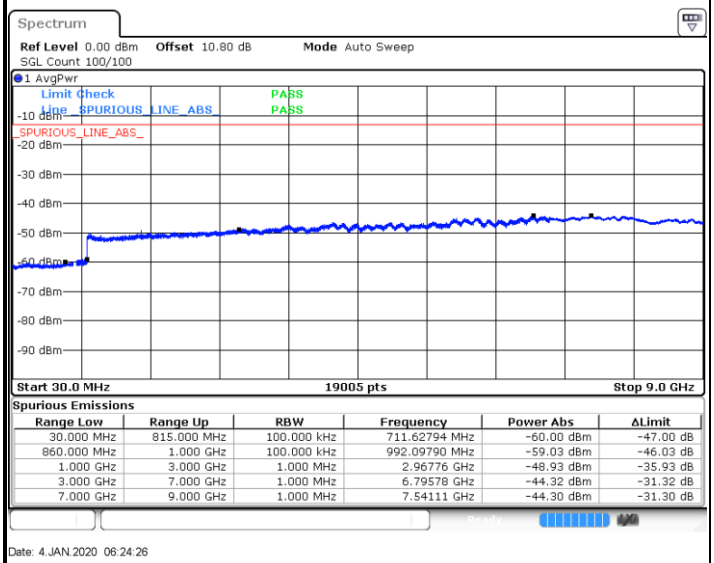



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 812.05772 MHz | -60.12 dBm | -47.12 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 986.64336 MHz | -59.10 dBm | -46.10 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.95226 GHz | -48.91 dBm | -35.91 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.76528 GHz | -44.26 dBm | -31.26 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55761 GHz | -44.14 dBm | -31.14 dB |

Date: 4.JAN.2020 06:19:59

### Highest Channel / 64QAM



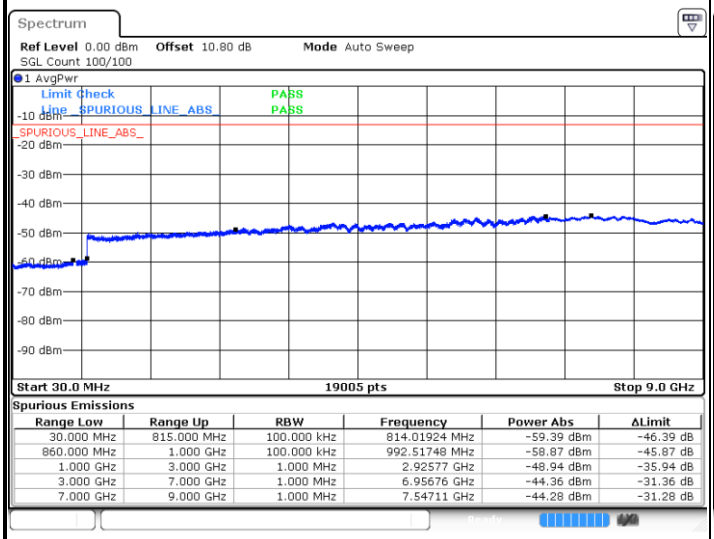

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 711.62794 MHz | -60.00 dBm | -47.00 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 992.09790 MHz | -59.03 dBm | -46.03 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96776 GHz | -48.93 dBm | -35.93 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79578 GHz | -44.32 dBm | -31.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54111 GHz | -44.30 dBm | -31.30 dB |

Date: 4.JAN.2020 06:24:26

## LTE Band 5 / 3MHz

### Lowest Channel / 64QAM

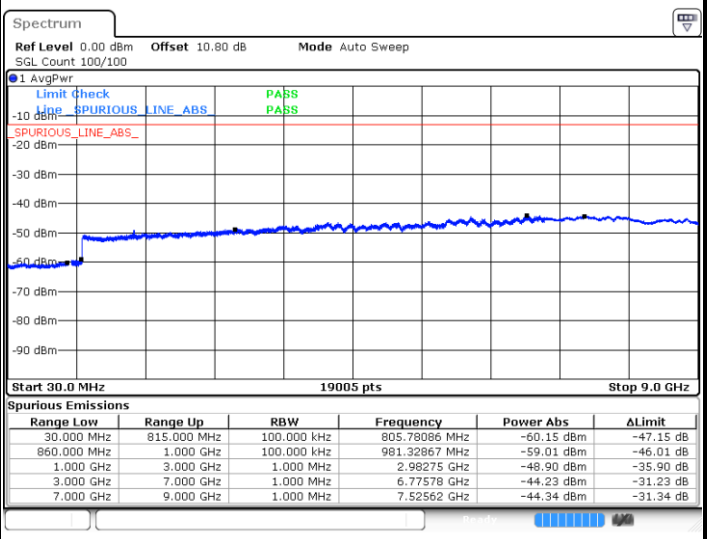



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.01924 MHz | -59.39 dBm | -46.39 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 992.51748 MHz | -58.87 dBm | -45.87 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.92577 GHz | -48.94 dBm | -35.94 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95676 GHz | -44.36 dBm | -31.36 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54711 GHz | -44.28 dBm | -31.28 dB |

Date: 4.JAN.2020 05:53:12

### Middle Channel / 64QAM

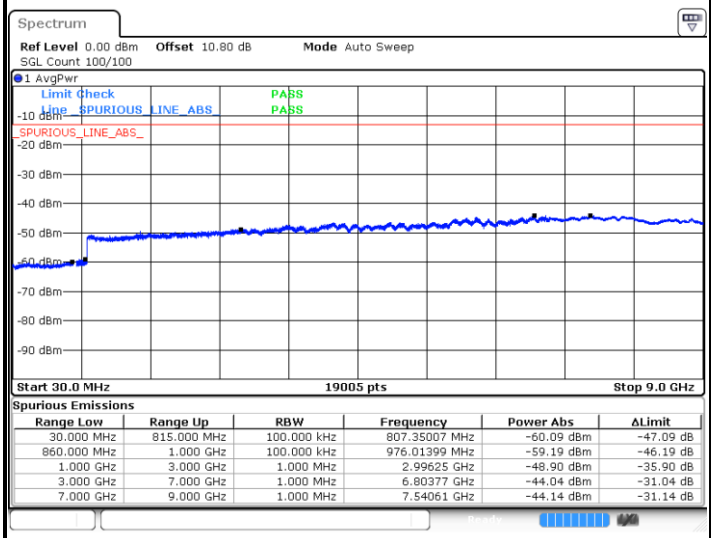



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 805.78086 MHz | -60.15 dBm | -47.15 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 981.32867 MHz | -59.01 dBm | -46.01 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98275 GHz | -48.90 dBm | -35.90 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.77578 GHz | -44.23 dBm | -31.23 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.52562 GHz | -44.34 dBm | -31.34 dB |

Date: 4.JAN.2020 05:54:16

### Highest Channel / 64QAM



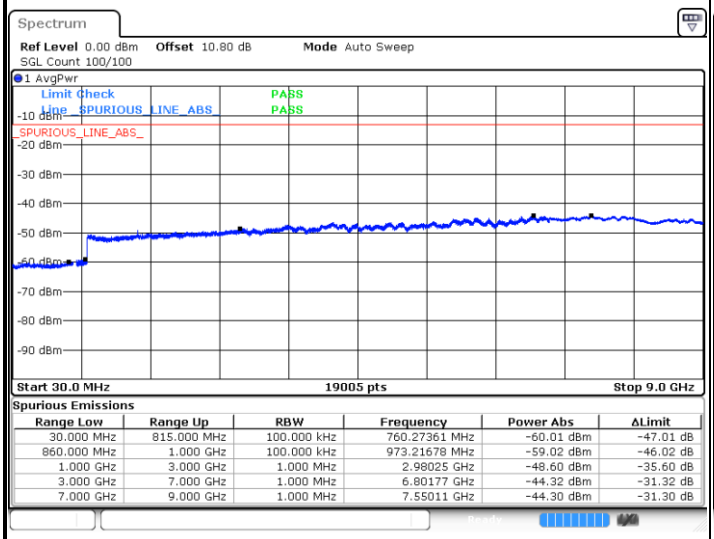

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 807.35007 MHz | -60.09 dBm | -47.09 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 976.01399 MHz | -59.19 dBm | -46.19 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99625 GHz | -48.90 dBm | -35.90 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80377 GHz | -44.04 dBm | -31.04 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54061 GHz | -44.14 dBm | -31.14 dB |

Date: 4.JAN.2020 05:58:43

## LTE Band 5 / 5MHz

### Lowest Channel / 64QAM

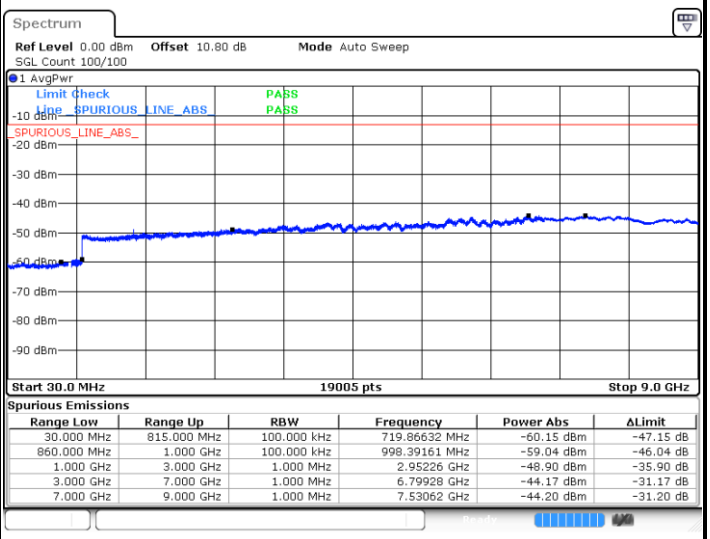



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 760.27361 MHz | -60.01 dBm | -47.01 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 973.21678 MHz | -59.02 dBm | -46.02 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98025 GHz | -48.60 dBm | -35.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.80177 GHz | -44.32 dBm | -31.32 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55011 GHz | -44.30 dBm | -31.30 dB |

Date: 4.JAN.2020 04:32:57

### Middle Channel / 64QAM

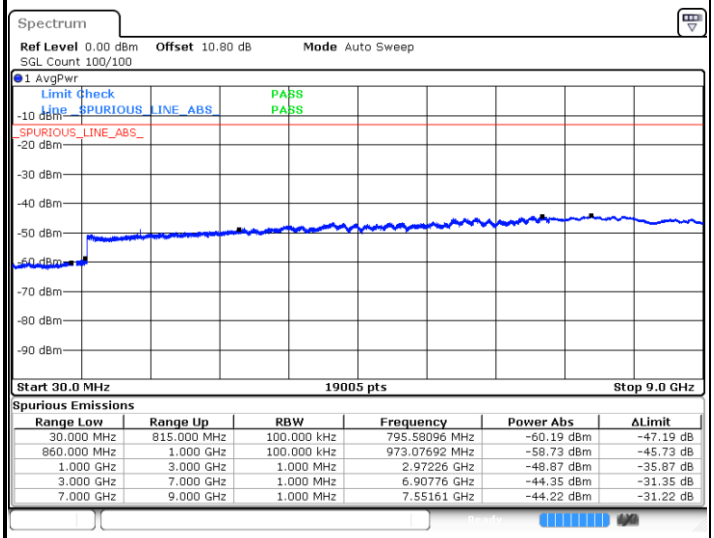



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 719.86632 MHz | -60.15 dBm | -47.15 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 998.39161 MHz | -59.04 dBm | -46.04 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.95226 GHz | -48.90 dBm | -35.90 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79928 GHz | -44.17 dBm | -31.17 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.53062 GHz | -44.20 dBm | -31.20 dB |

Date: 4.JAN.2020 04:34:01

### Highest Channel / 64QAM



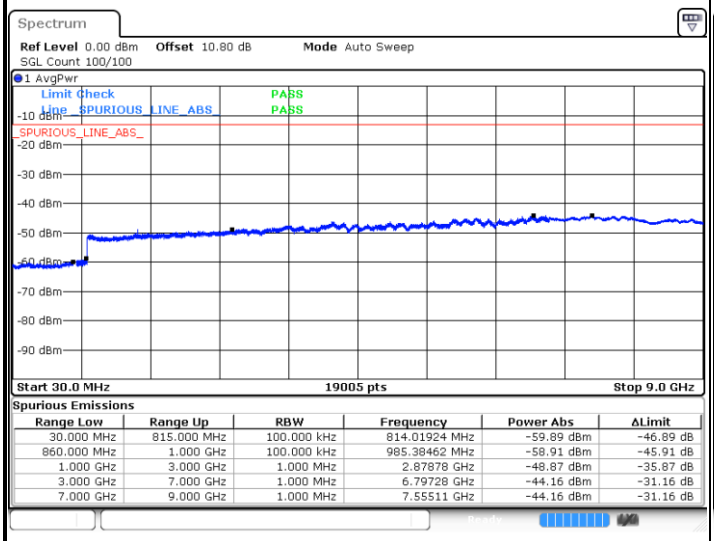

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 795.58096 MHz | -60.19 dBm | -47.19 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 973.07692 MHz | -58.73 dBm | -45.73 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.97226 GHz | -48.87 dBm | -35.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.90776 GHz | -44.35 dBm | -31.35 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55161 GHz | -44.22 dBm | -31.22 dB |

Date: 4.JAN.2020 04:58:25

## LTE Band 5 / 10MHz

### Lowest Channel / 64QAM

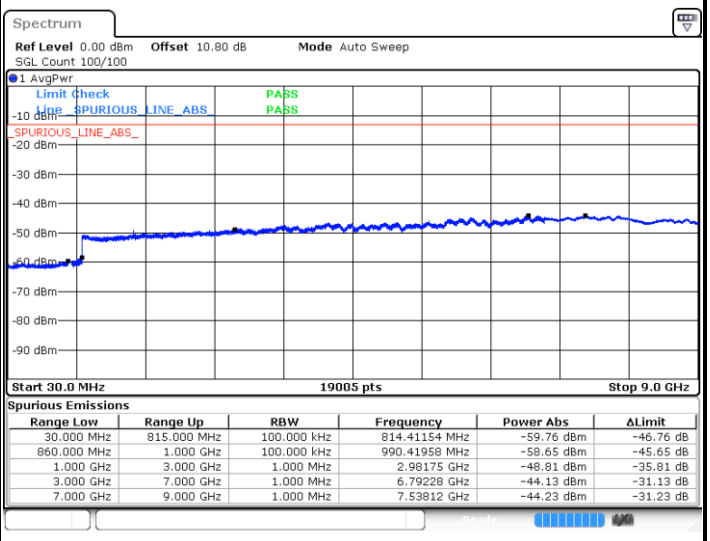



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.01924 MHz | -59.89 dBm | -46.89 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 985.38462 MHz | -58.91 dBm | -45.91 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.87878 GHz | -48.87 dBm | -35.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79728 GHz | -44.16 dBm | -31.16 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.55511 GHz | -44.16 dBm | -31.16 dB |

Date: 4.JAN.2020 05:02:52

### Middle Channel / 64QAM

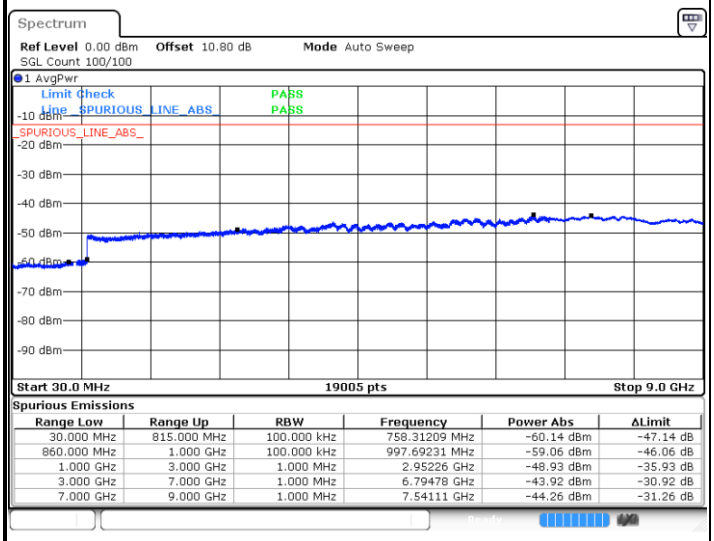



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -59.76 dBm | -46.76 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 990.41958 MHz | -58.65 dBm | -45.65 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98175 GHz | -48.81 dBm | -35.81 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79228 GHz | -44.13 dBm | -31.13 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.53812 GHz | -44.23 dBm | -31.23 dB |

Date: 4.JAN.2020 05:03:56

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 758.31209 MHz | -60.14 dBm | -47.14 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 997.69231 MHz | -59.06 dBm | -46.06 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.95226 GHz | -48.93 dBm | -35.93 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.79478 GHz | -43.92 dBm | -30.92 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.54111 GHz | -44.26 dBm | -31.26 dB |

Date: 4.JAN.2020 05:08:22

# Frequency Stability

| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0130 | PASS |
| 40 | Normal Voltage | 0.0121 | |
| 30 | Normal Voltage | 0.0075 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0051 | |
| 0 | Normal Voltage | 0.0022 | |
| -10 | Normal Voltage | 0.0074 | |
| -20 | Normal Voltage | 0.0132 | |
| -30 | Normal Voltage | 0.0002 | |
| 20 | Maximum Voltage | 0.0100 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0023 | |

**Note:**

**1.** Normal Voltage =7.7 V.；Battery End Point (BEP) =6.9 V.；Maximum Voltage =8.5 V.

**2.** The frequency fundamental emissions stay within the authorized frequency block.

# LTE Band 5B

## 26dB Bandwidth

| Mode | LTE Band 5B : 26dB BW(MHz) | | |
|---|---|---|---|
| QPSK | | | |
| BW | 3MHz+5MHz | 5MHz+3MHz | 5MHz+10MHz |
| Lowest CH | - | - | 14.69 |
| Middle CH | - | - | 14.51 |
| Highest CH | - | - | 14.57 |
| BW | 10MHz+5MHz | 10MHz+10MHz | N/A |
| Lowest CH | 14.57 | 9.71 | - |
| Middle CH | 14.69 | 9.91 | - |
| Highest CH | 14.69 | 19.62 | - |

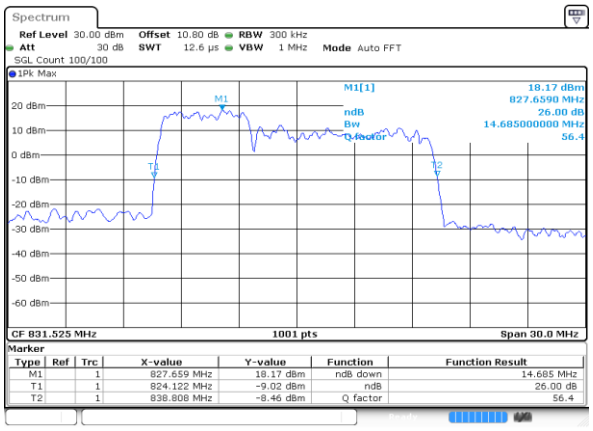
| Mode | LTE Band 5B : 26dB BW(MHz) | | |
|---|---|---|---|
| 16QAM | | | |
| BW | 3MHz+5MHz | 5MHz+3MHz | 5MHz+10MHz |
| Lowest CH | - | - | 14.57 |
| Middle CH | - | - | 14.63 |
| Highest CH | - | - | 14.54 |
| BW | 10MHz+5MHz | 10MHz+10MHz | N/A |
| Lowest CH | 14.63 | 19.82 | - |
| Middle CH | 14.57 | 19.50 | - |
| Highest CH | 14.69 | 9.71 | - |

| Mode | LTE Band 5B : 26dB BW(MHz) | | |
|---|---|---|---|
| 64QAM | | | |
| BW | 3MHz+5MHz | 5MHz+3MHz | 5MHz+10MHz |
| Lowest CH | - | - | 14.57 |
| Middle CH | - | - | 14.51 |
| Highest CH | - | - | 14.60 |
| BW | 10MHz+5MHz | 10MHz+10MHz | N/A |
| Lowest CH | 14.75 | 19.58 | - |
| Middle CH | 14.60 | 9.63 | - |
| Highest CH | 14.72 | 9.83 | - |

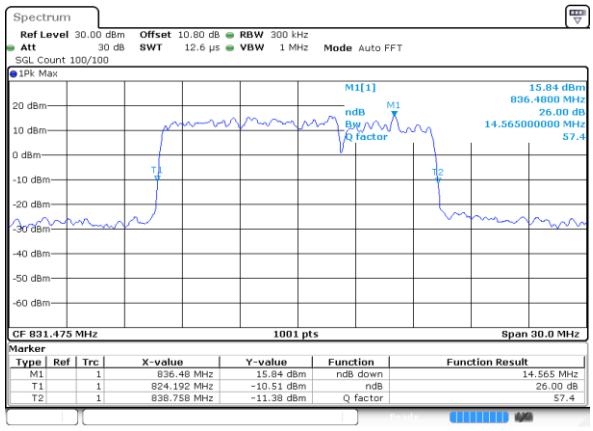
## LTE Band 5B

### QPSK

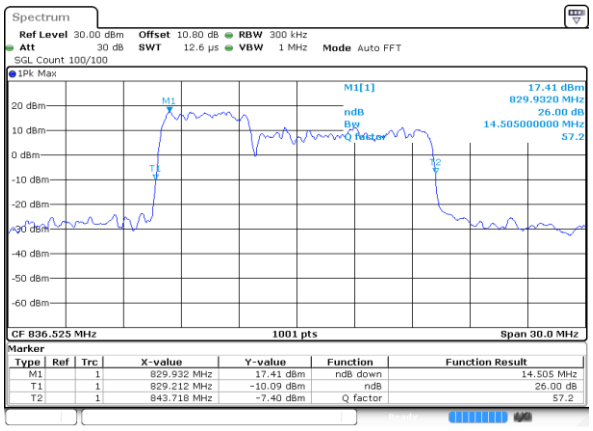
#### Lowest Channel / 5MHz+10MHz



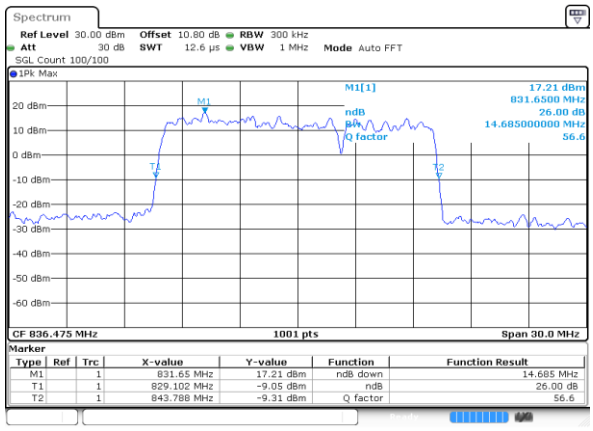

#### Lowest Channel / 10MHz+5MHz



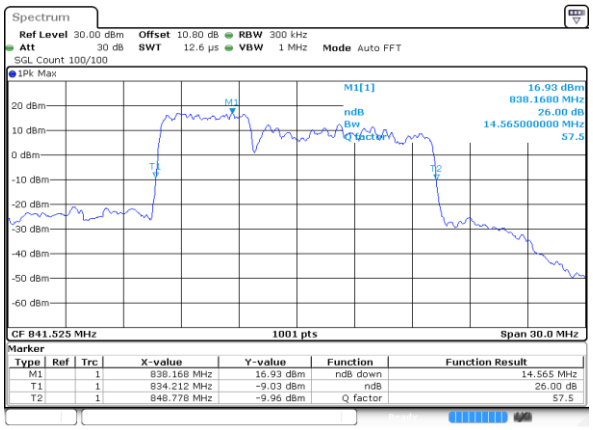

#### Middle Channel / 5MHz+10MHz



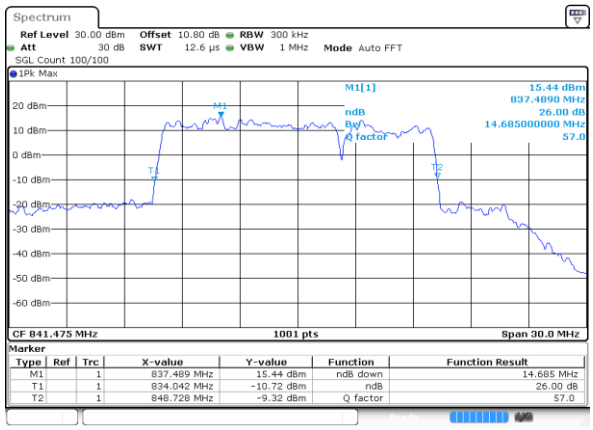

#### Middle Channel / 10MHz+5MHz

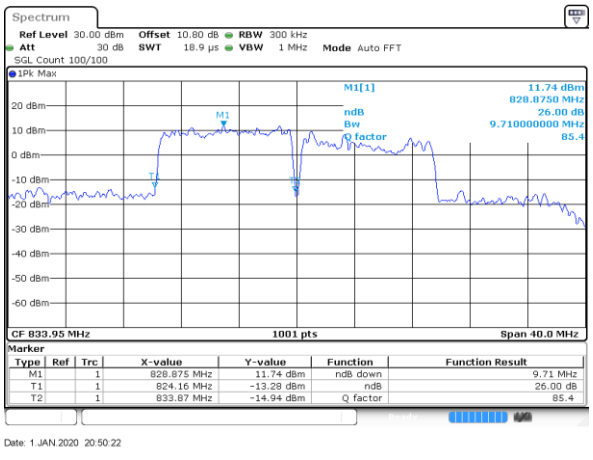
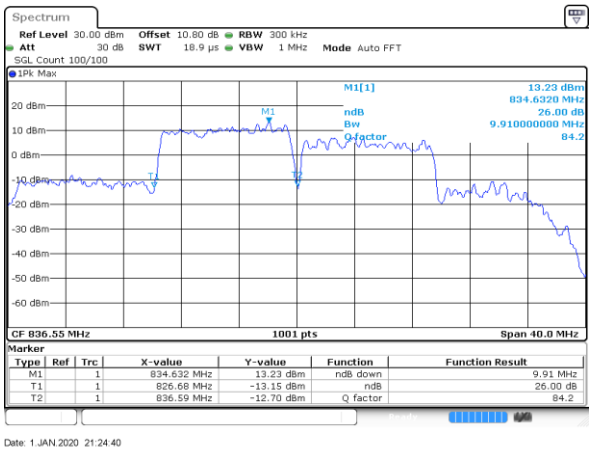
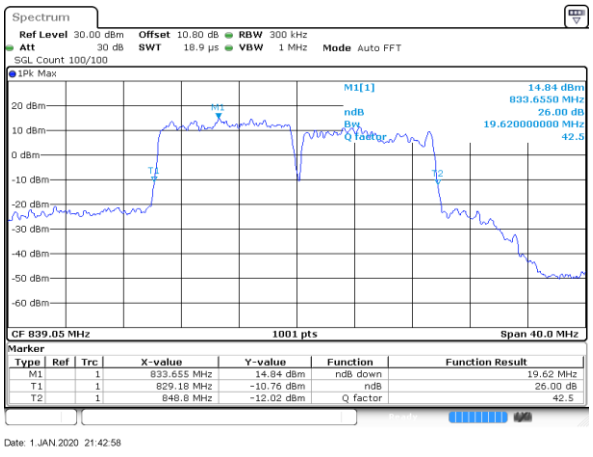



#### Highest Channel / 5MHz+10MHz




#### Highest Channel / 10MHz+5MHz

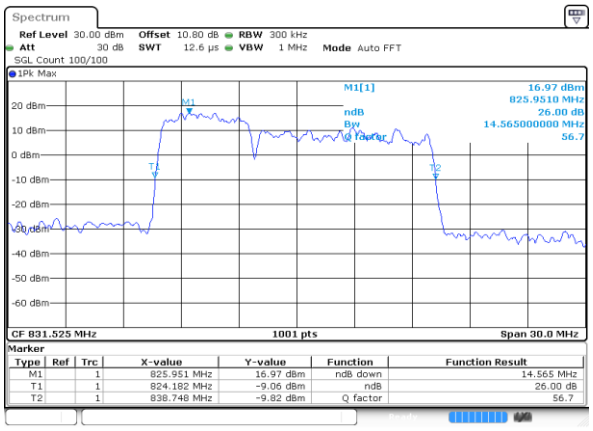


| LTE Band 5B | |
|---|---|
| QPSK | |
| Lowest Channel / 10MHz+10MHz | N/A |
|  | |
| Middle Channel / 10MHz+10MHz | N/A |
|  | |
| Highest Channel / 10MHz+10MHz | N/A |
|  | |

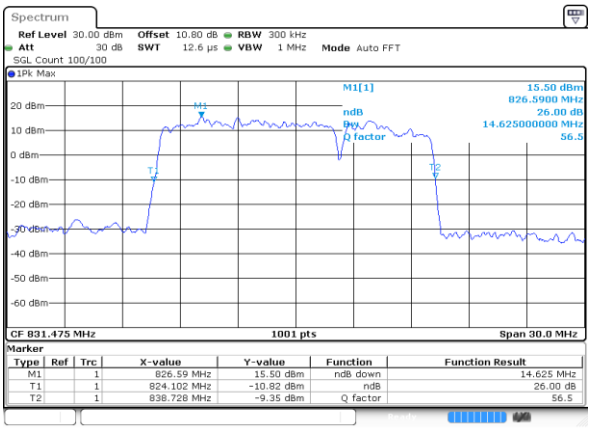
## LTE Band 5B

### 16QAM

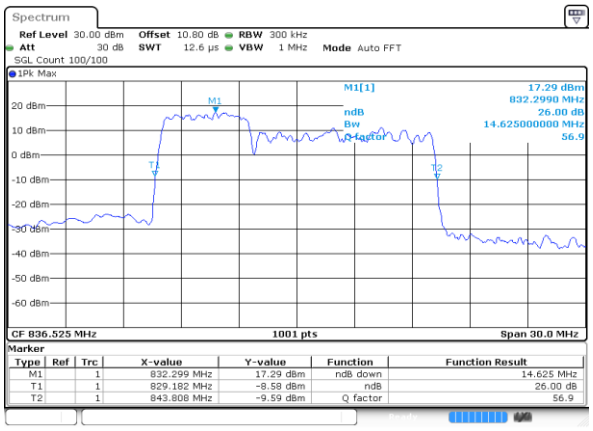
#### Lowest Channel / 5MHz+10MHz



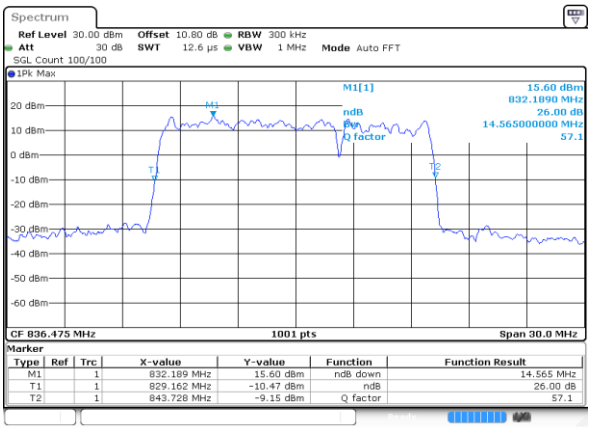

#### Lowest Channel / 10MHz+5MHz



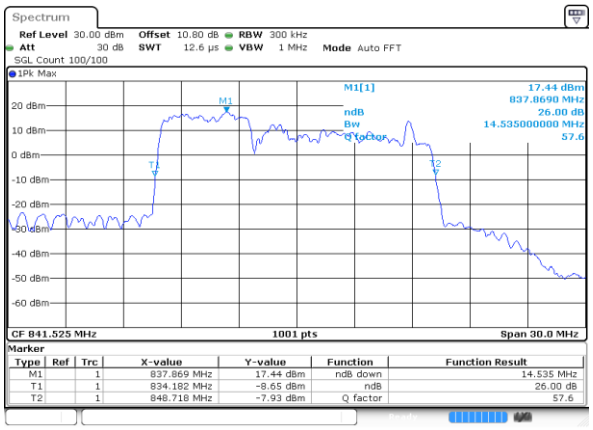

#### Middle Channel / 5MHz+10MHz



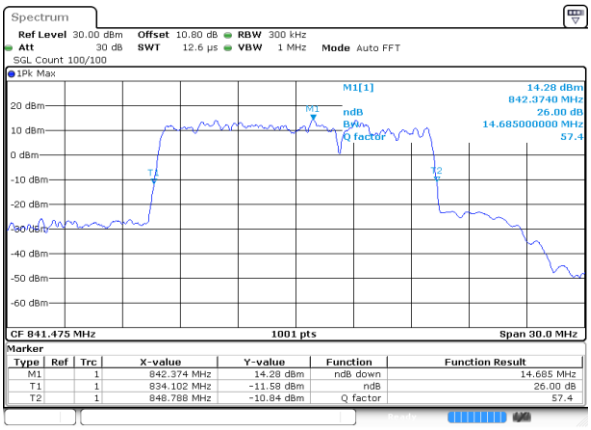

#### Middle Channel / 10MHz+5MHz

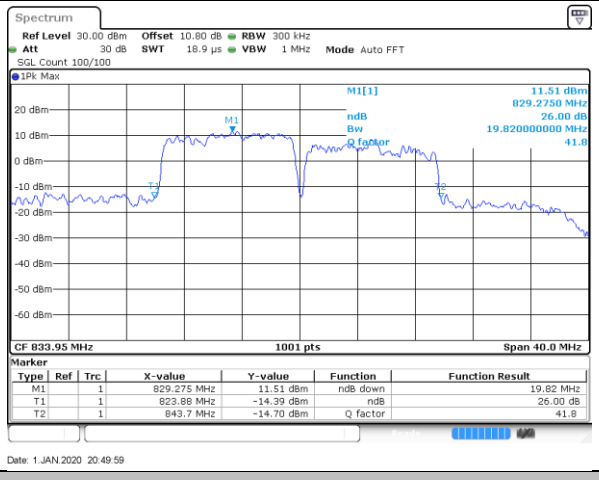
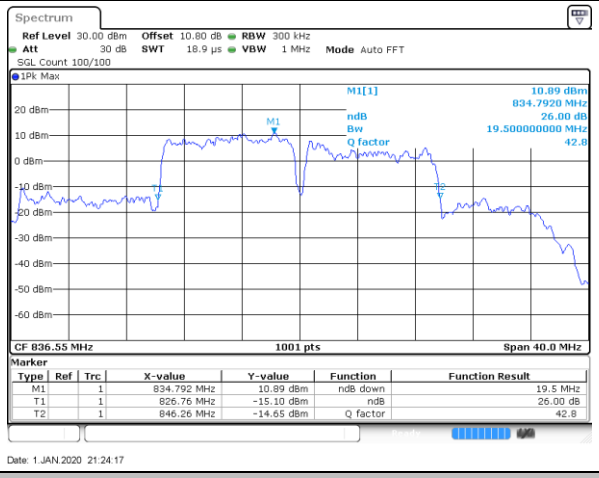
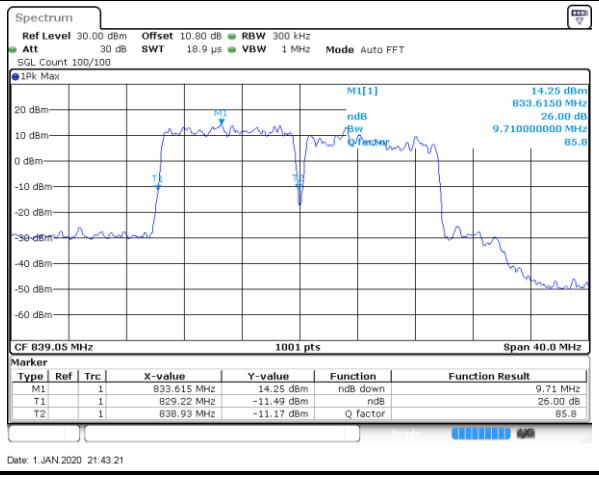



#### Highest Channel / 5MHz+10MHz




#### Highest Channel / 10MHz+5MHz

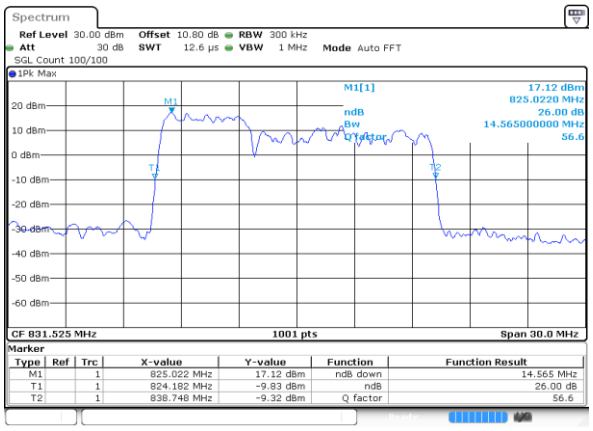


| LTE Band 5B | |
|---|---|
| 16QAM | |
| Lowest Channel / 10MHz+10MHz | N/A |
|  | |
| Middle Channel / 10MHz+10MHz | N/A |
|  | |
| Highest Channel / 10MHz+10MHz | N/A |
|  | |

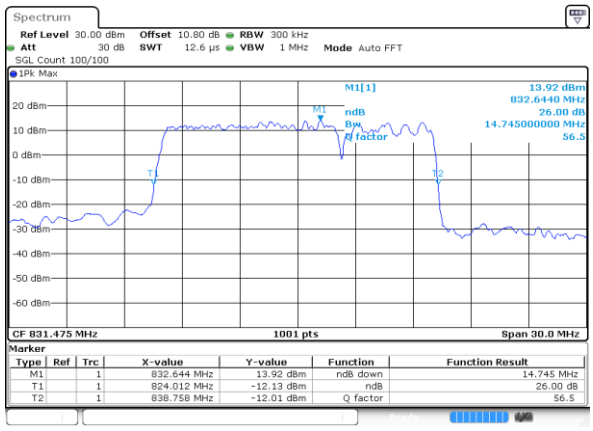
## LTE Band 5B

### 64QAM

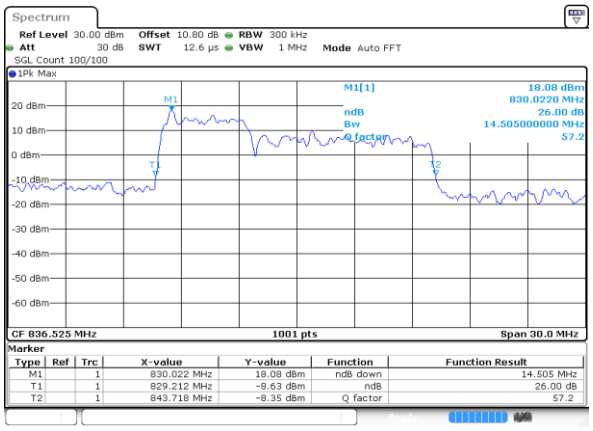
#### Lowest Channel / 5MHz+10MHz



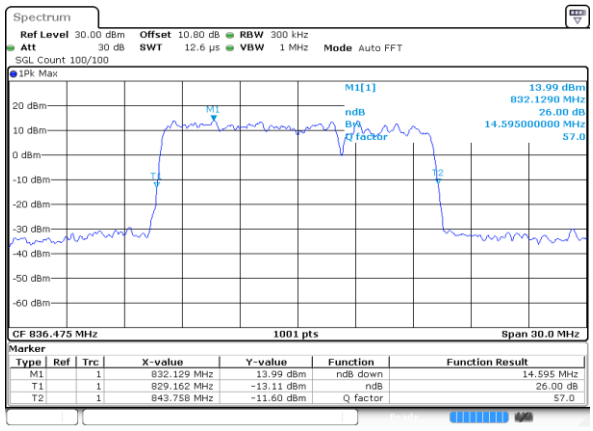

#### Lowest Channel / 10MHz+5MHz



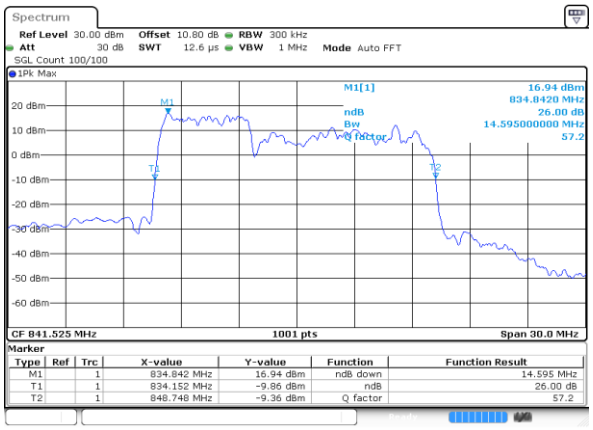

#### Middle Channel / 5MHz+10MHz



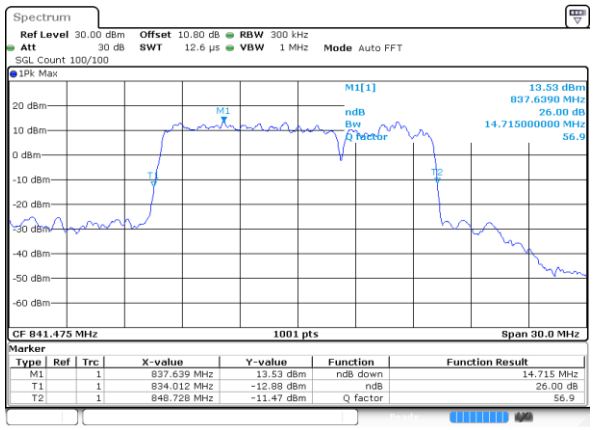

#### Middle Channel / 10MHz+5MHz

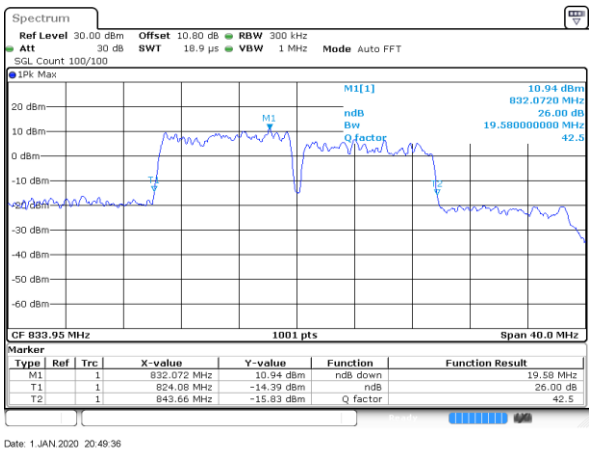
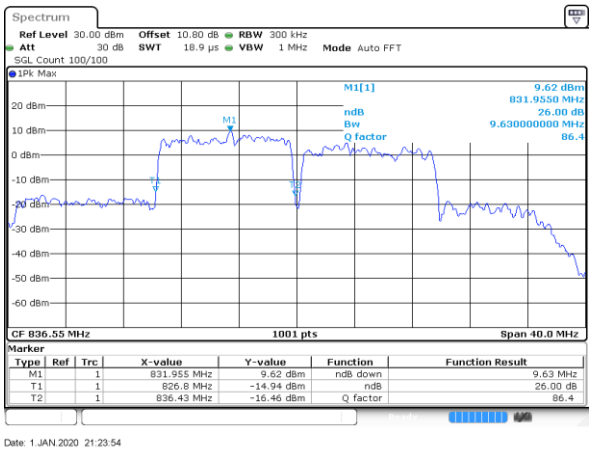
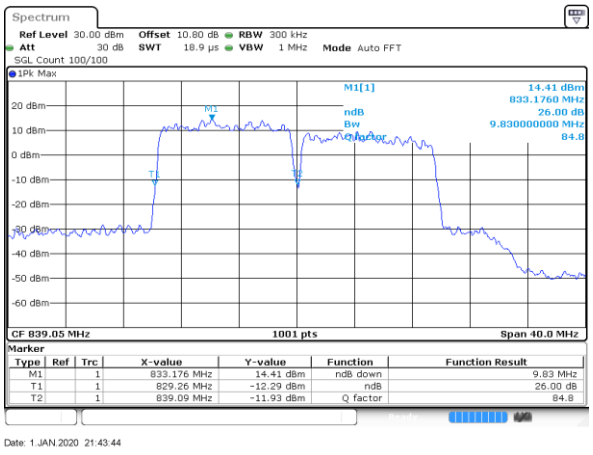



#### Highest Channel / 5MHz+10MHz




#### Highest Channel / 10MHz+5MHz



| LTE Band 5B | |
|---|---|
| 64QAM | |
| Lowest Channel / 10MHz+10MHz | N/A |
|  | |
| Middle Channel / 10MHz+10MHz | N/A |
|  | |
| Highest Channel / 10MHz+10MHz | N/A |
|  | |

# Occupied Bandwidth

| Mode | LTE Band 5B : 99%OBW(MHz) | | |
|---|---|---|---|
| QPSK | | | |
| BW | 3MHz+5MHz | 5MHz+3MHz | 5MHz+10MHz |
| Lowest CH | - | - | 13.91 |
| Middle CH | - | - | 13.88 |
| Highest CH | - | - | 13.85 |
| BW | 10MHz+5MHz | 10MHz+10MHz | N/A |
| Lowest CH | 14.12 | 18.70 | - |
| Middle CH | 14.00 | 21.18 | - |
| Highest CH | 13.97 | 18.54 | - |

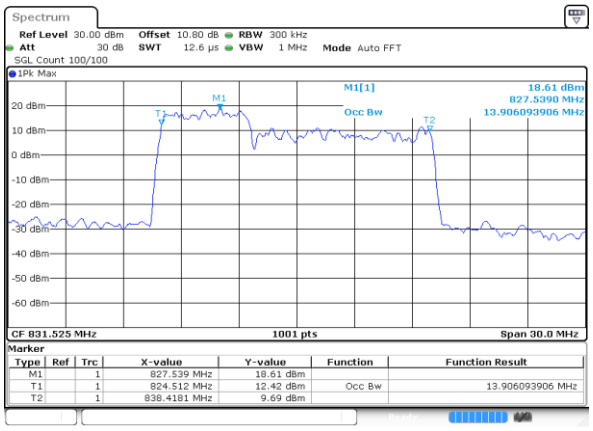
| Mode | LTE Band 5B : 99%OBW(MHz) | | |
|---|---|---|---|
| 16QAM | | | |
| BW | 3MHz+5MHz | 5MHz+3MHz | 5MHz+10MHz |
| Lowest CH | - | - | 13.88 |
| Middle CH | - | - | 14.00 |
| Highest CH | - | - | 13.76 |
| BW | 10MHz+5MHz | 10MHz+10MHz | N/A |
| Lowest CH | 14.12 | 18.82 | - |
| Middle CH | 14.00 | 18.90 | - |
| Highest CH | 13.82 | 18.58 | - |

| Mode | LTE Band 5B : 99%OBW(MHz) | | |
|---|---|---|---|
| 64QAM | | | |
| BW | 3MHz+5MHz | 5MHz+3MHz | 5MHz+10MHz |
| Lowest CH | - | - | 13.76 |
| Middle CH | - | - | 13.94 |
| Highest CH | - | - | 13.76 |
| BW | 10MHz+5MHz | 10MHz+10MHz | N/A |
| Lowest CH | 13.91 | 18.78 | - |
| Middle CH | 13.91 | 18.66 | - |
| Highest CH | 13.85 | 18.82 | - |

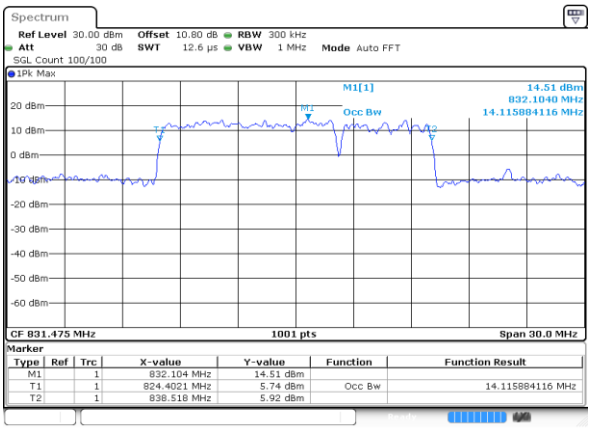
## LTE Band 5B

### QPSK

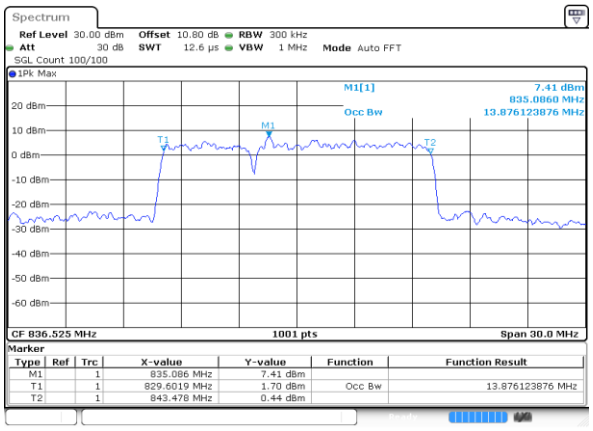
#### Lowest Channel / 5MHz+10MHz



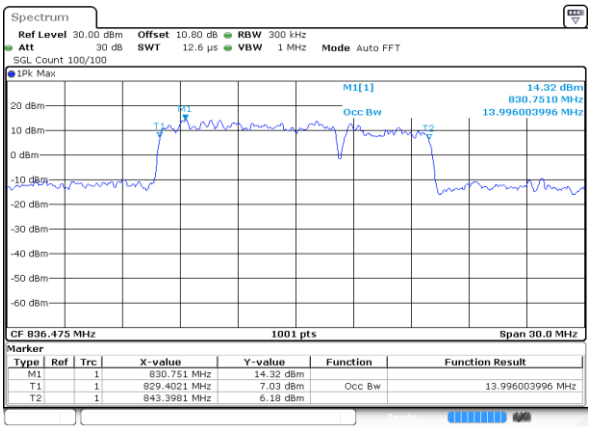

#### Lowest Channel / 10MHz+5MHz



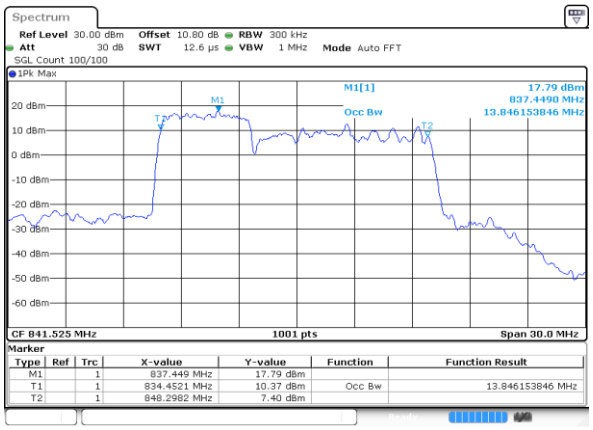

#### Middle Channel / 5MHz+10MHz



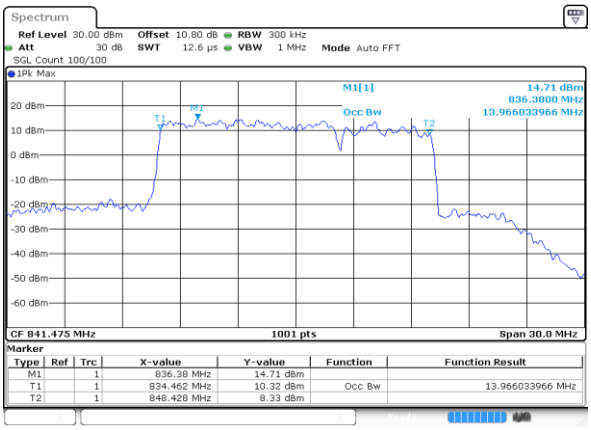

#### Middle Channel / 10MHz+5MHz

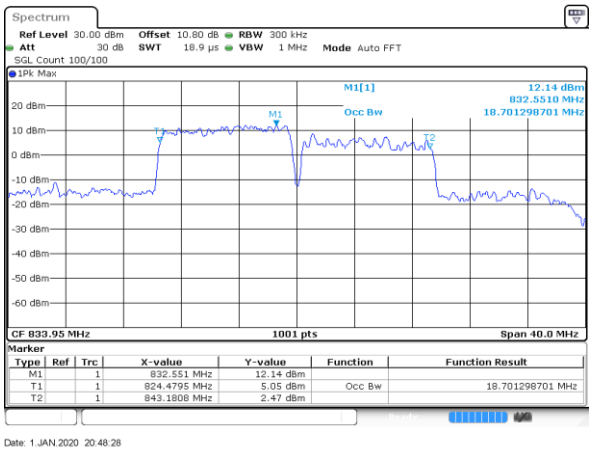
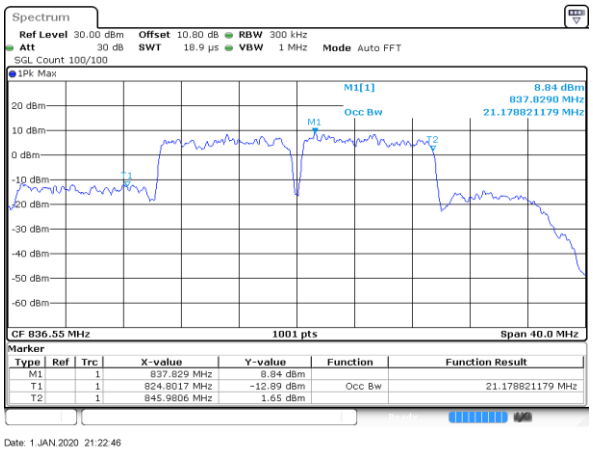
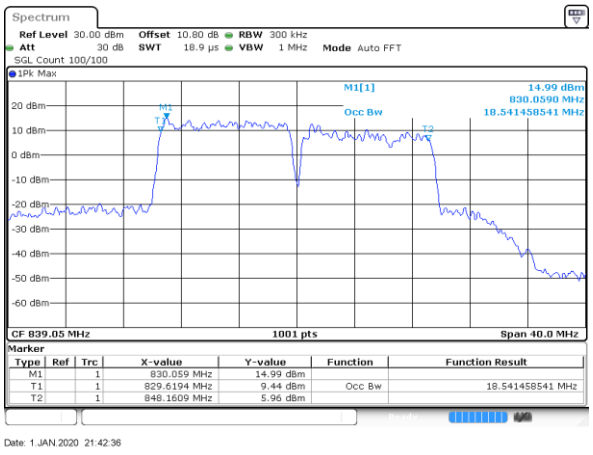



#### Highest Channel / 5MHz+10MHz




#### Highest Channel / 10MHz+5MHz

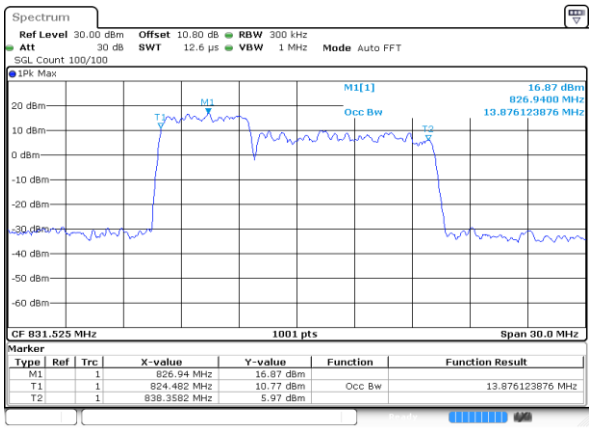


| LTE Band 5B | |
|---|---|
| QPSK | |
| Lowest Channel / 10MHz+10MHz | N/A |
|  | |
| Middle Channel / 10MHz+10MHz | N/A |
|  | |
| Highest Channel / 10MHz+10MHz | N/A |
|  | |

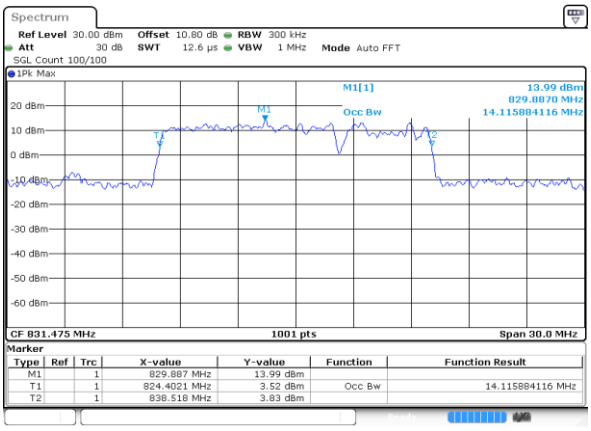
## LTE Band 5B

### 16QAM

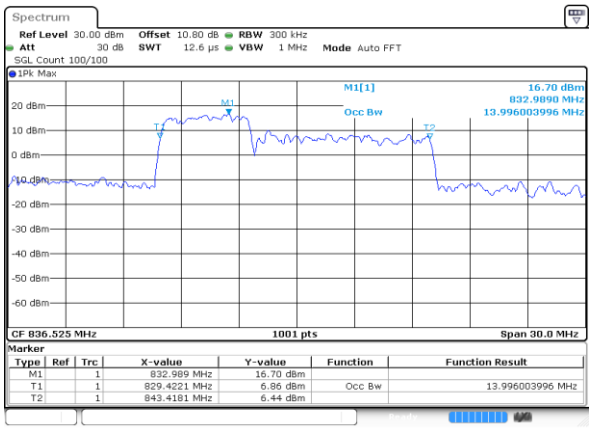
#### Lowest Channel / 5MHz+10MHz



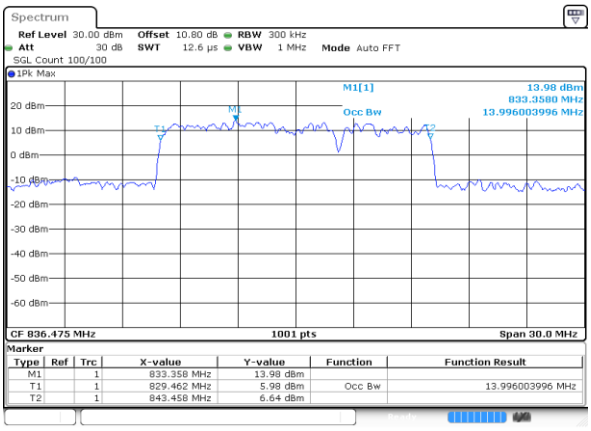

#### Lowest Channel / 10MHz+5MHz



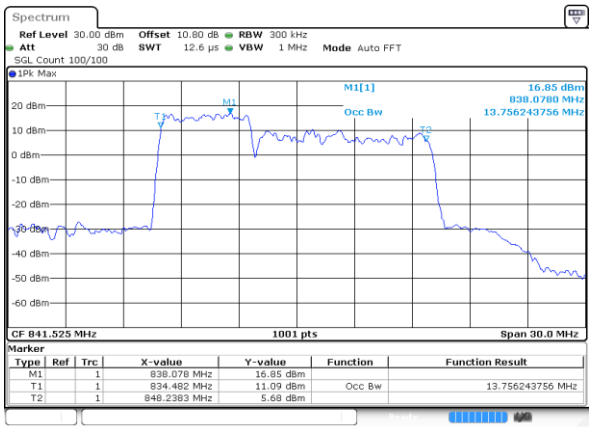

#### Middle Channel / 5MHz+10MHz



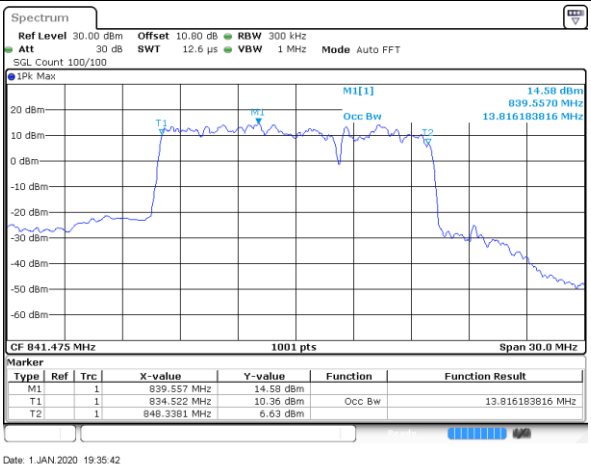

#### Middle Channel / 10MHz+5MHz

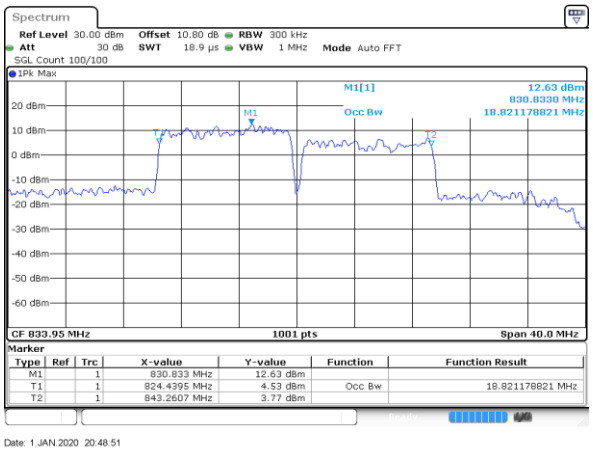
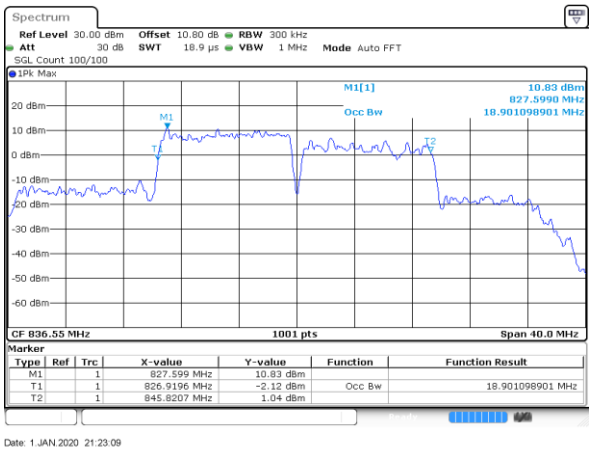
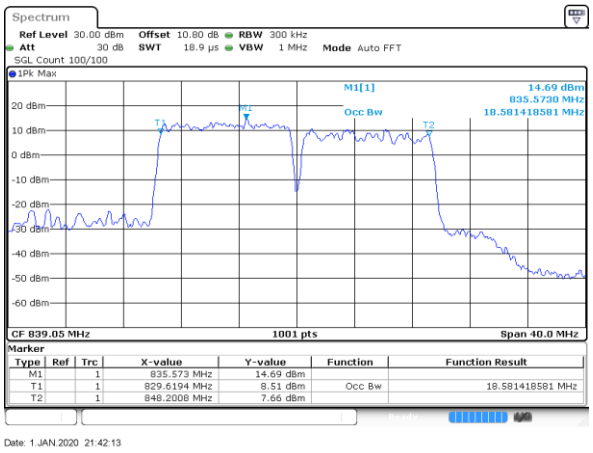



#### Highest Channel / 5MHz+10MHz




#### Highest Channel / 10MHz+5MHz

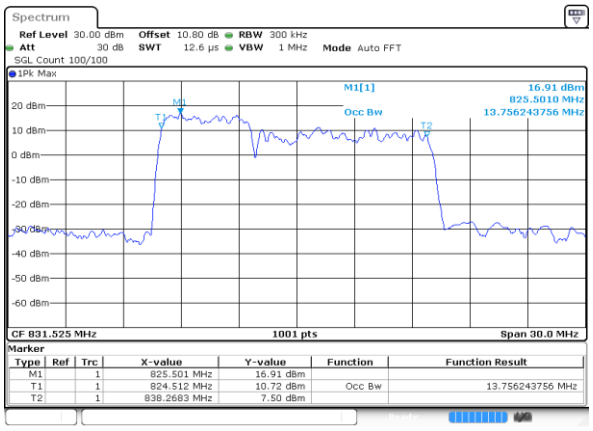


| LTE Band 5B | |
|---|---|
| 16QAM | |
| Lowest Channel / 10MHz+10MHz | N/A |
|  | |
| Middle Channel / 10MHz+10MHz | N/A |
|  | |
| Highest Channel / 10MHz+10MHz | N/A |
|  | |

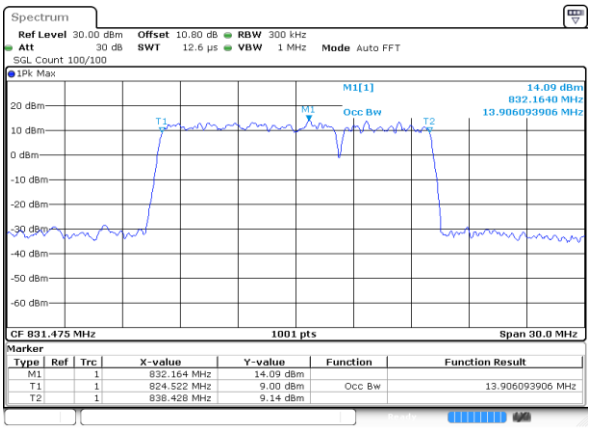
## LTE Band 5B

### 64QAM

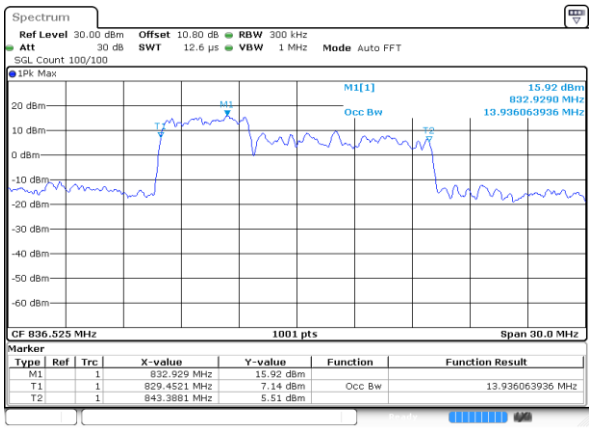
#### Lowest Channel / 5MHz+10MHz



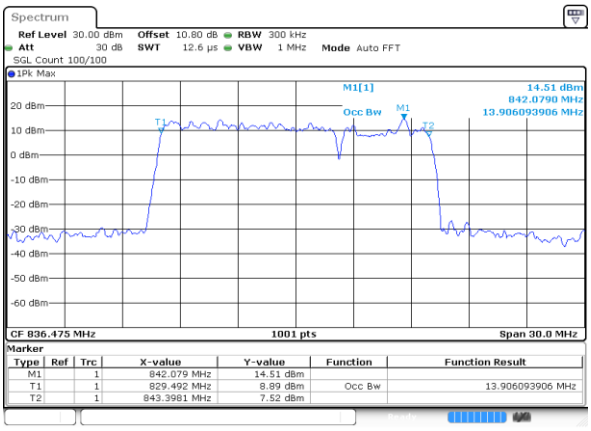

#### Lowest Channel / 10MHz+5MHz



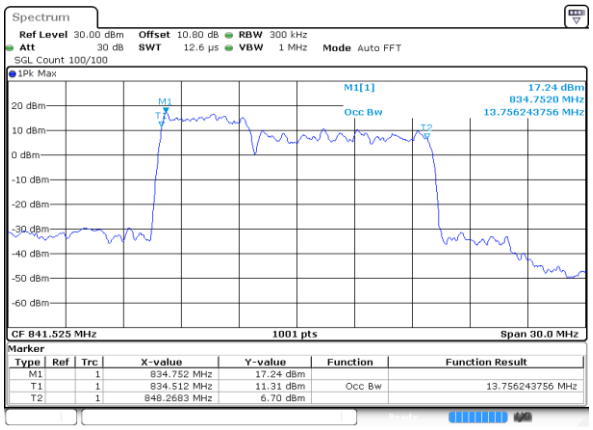

#### Middle Channel / 5MHz+10MHz



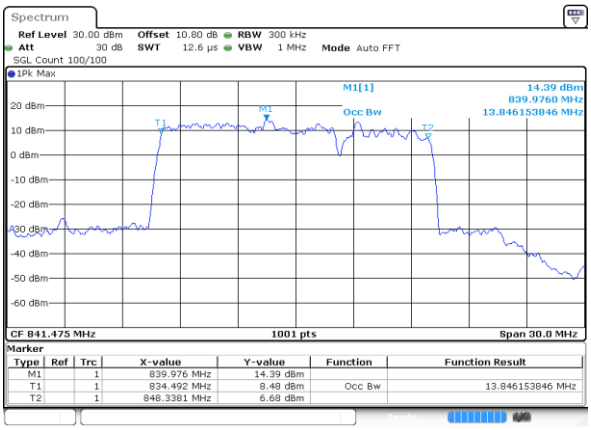

#### Middle Channel / 10MHz+5MHz

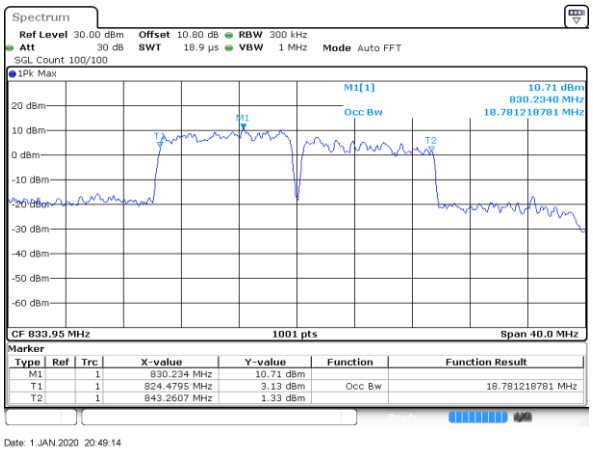
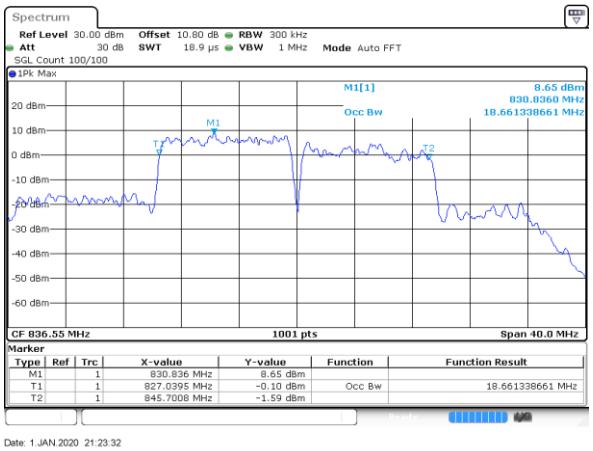
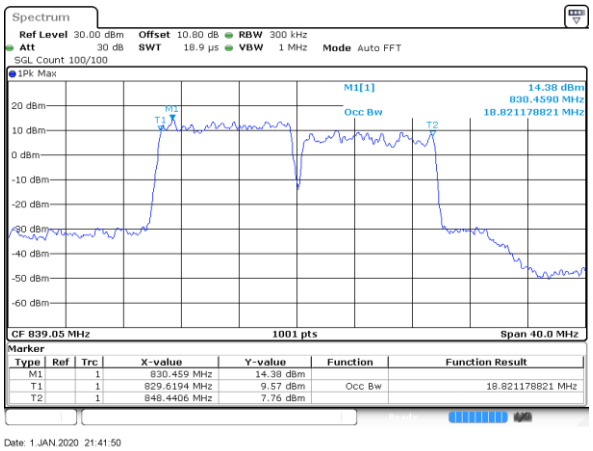



#### Highest Channel / 5MHz+10MHz




#### Highest Channel / 10MHz+5MHz



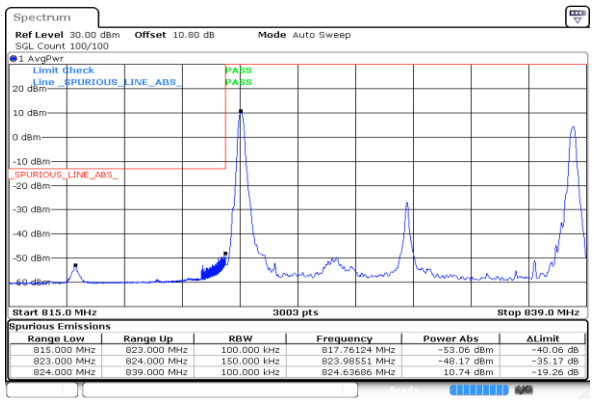
| LTE Band 5B | |
|---|---|
| 64QAM | |
| Lowest Channel / 10MHz+10MHz | N/A |
|  | |
| Middle Channel / 10MHz+10MHz | N/A |
|  | |
| Highest Channel / 10MHz+10MHz | N/A |
|  | |

# Conducted Band Edge

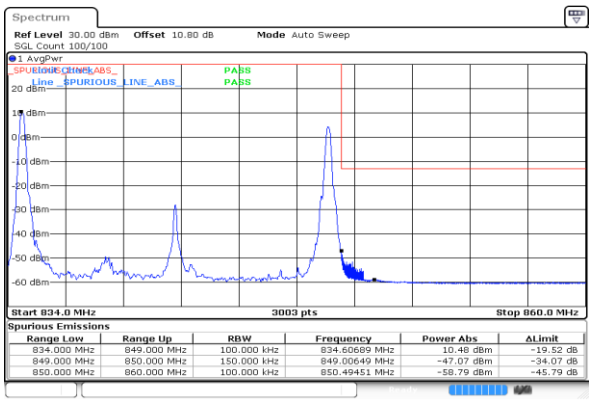
## LTE Band 5B / 5MHz+10MHz

### QPSK

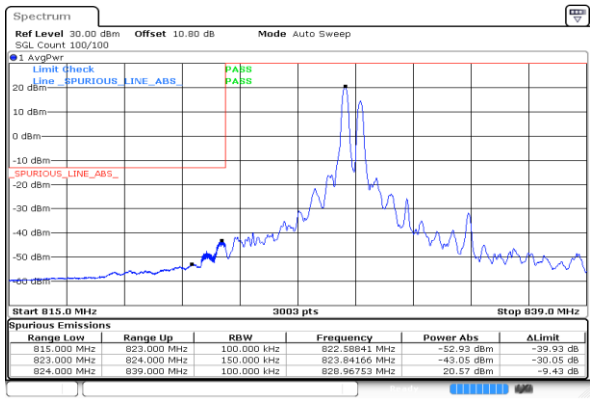
#### Lowest Band Edge / 1RB0 and 1RB49



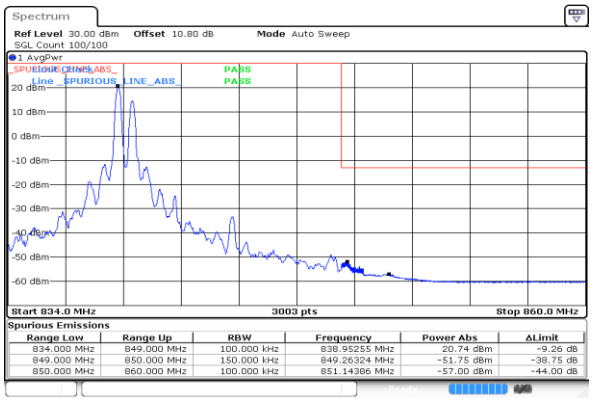

#### Highest Band Edge / 1RB0 and 1RB49



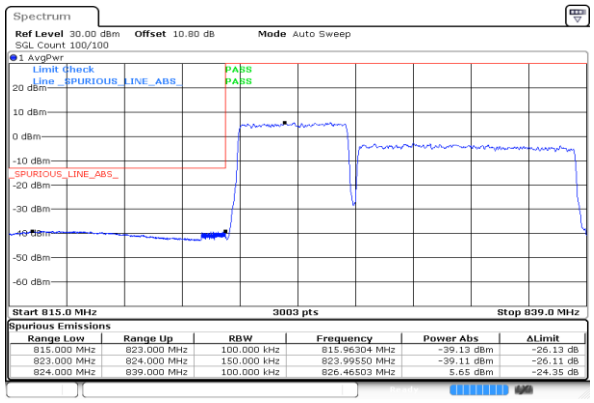

#### Lowest Band Edge / 1RB24 and 1RB0



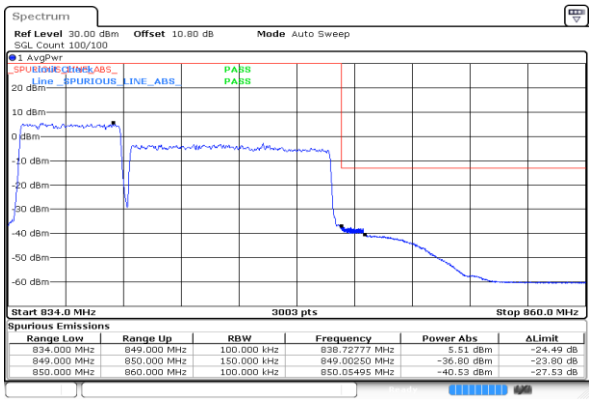

#### Highest Band Edge / 1RB24 and 1RB0




#### Lowest Band Edge / Full RB



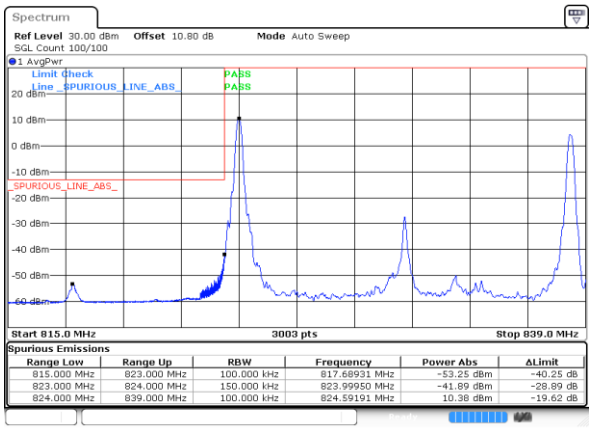

#### Highest Band Edge / Full RB



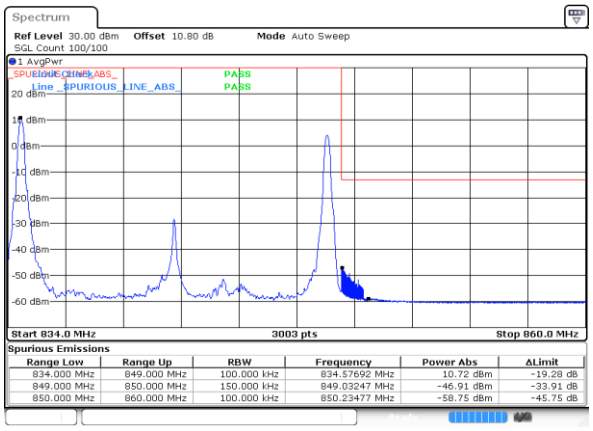
## LTE Band 5B / 10MHz+5MHz

### QPSK

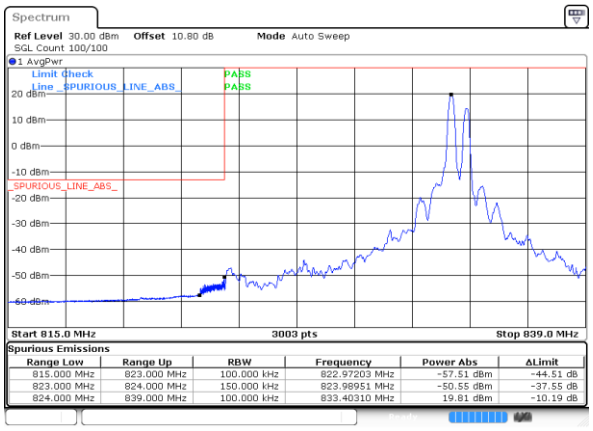
#### Lowest Band Edge / 1RB0 and 1RB24



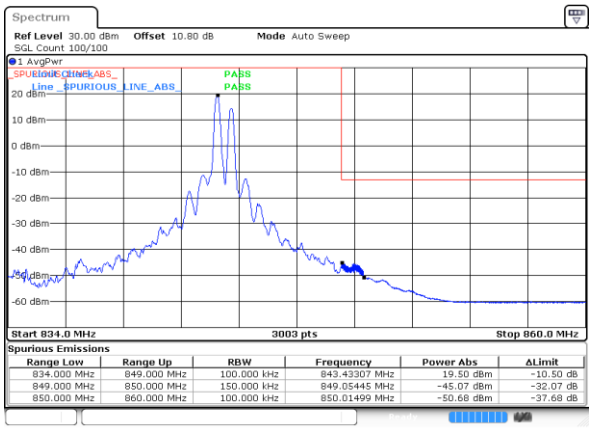

#### Highest Band Edge / 1RB0 and 1RB24



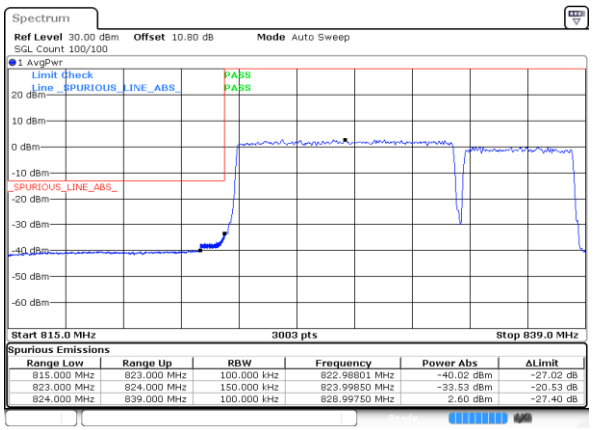

#### Lowest Band Edge / 1RB49 and 1RB0



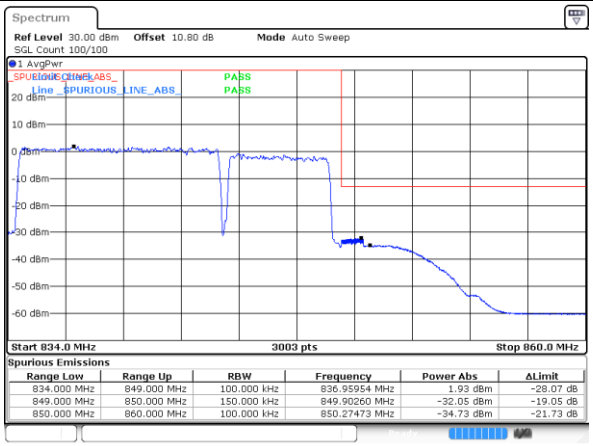

#### Highest Band Edge / 1RB49 and 1RB0




#### Lowest Band Edge / Full RB



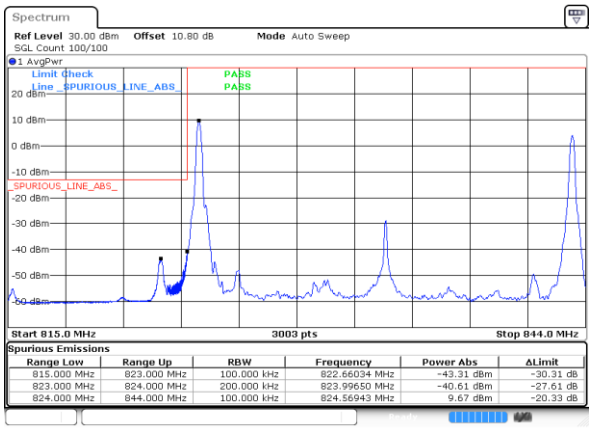

#### Highest Band Edge / Full RB



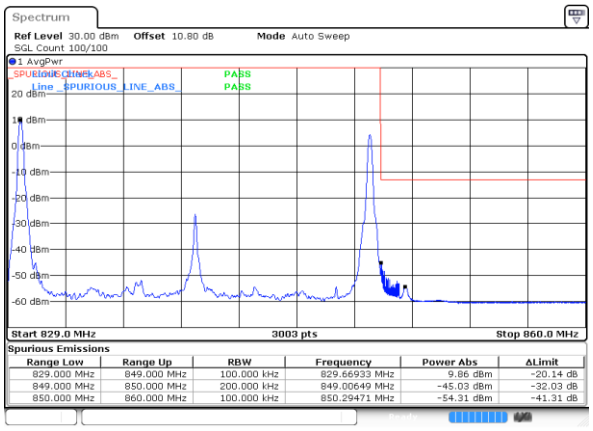
## LTE Band 5B / 10MHz+10MHz

### QPSK

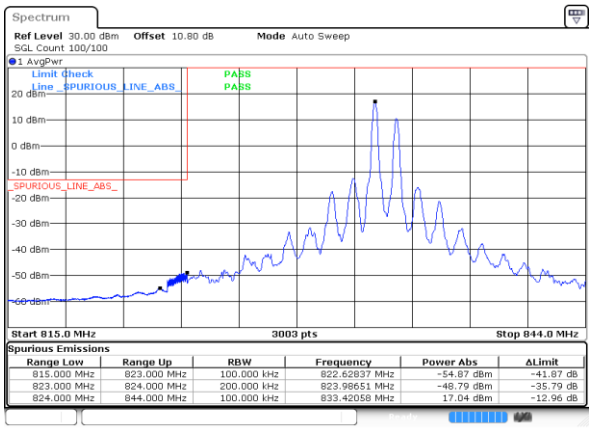
#### Lowest Band Edge / 1RB0 and 1RB49



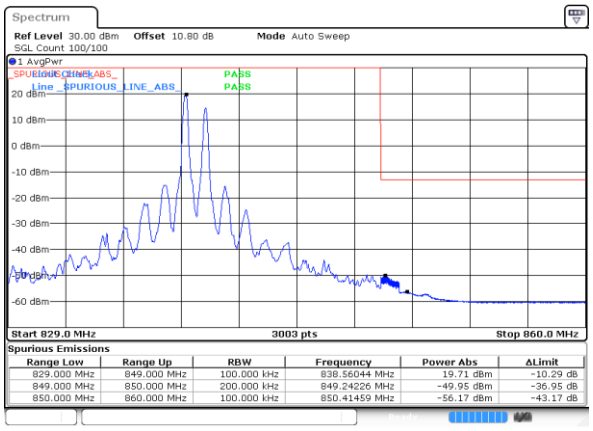

#### Highest Band Edge / 1RB0 and 1RB49



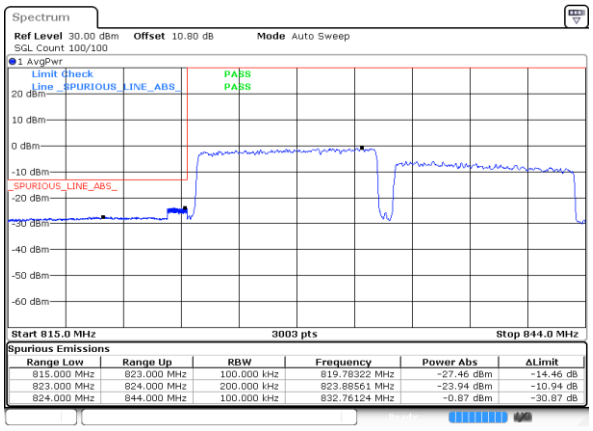

#### Lowest Band Edge / 1RB49 and 1RB0



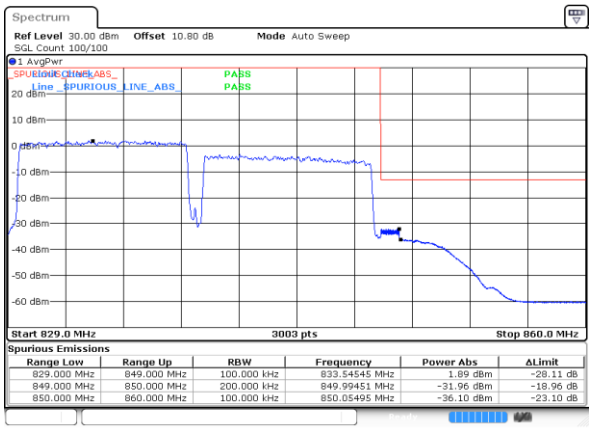

#### Highest Band Edge / 1RB49 and 1RB0

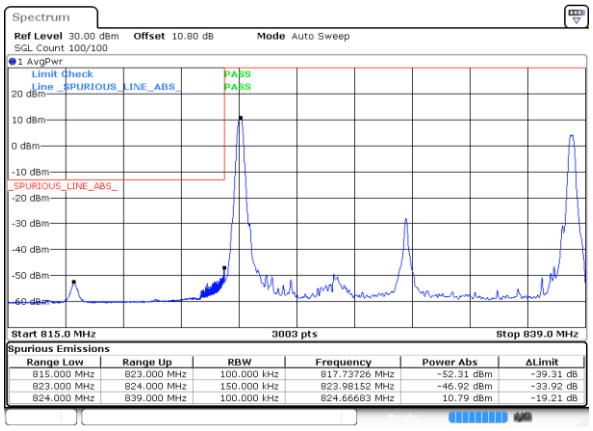
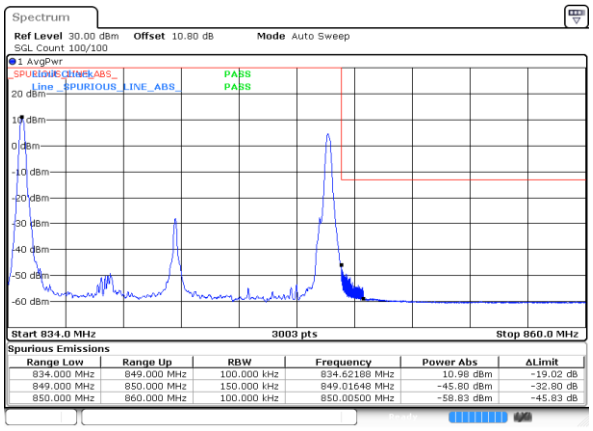
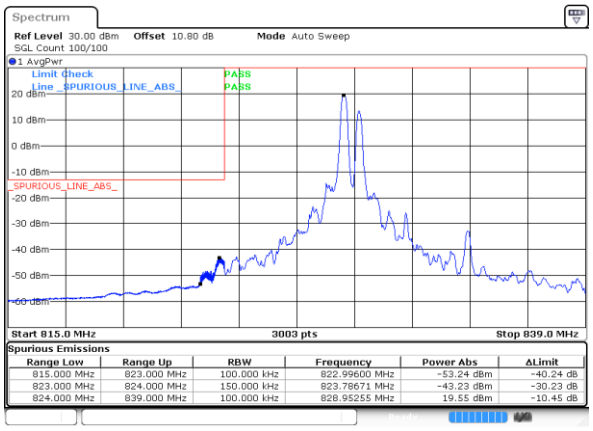
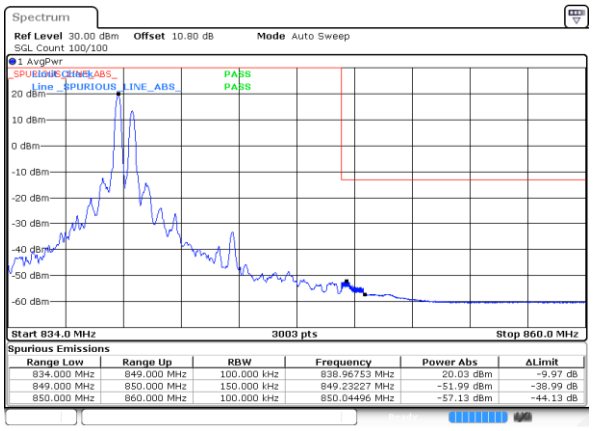
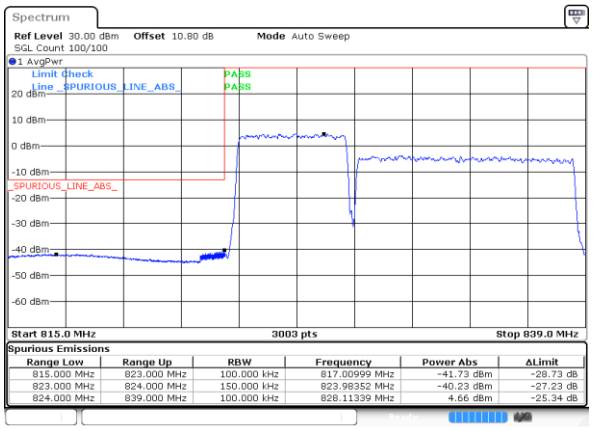
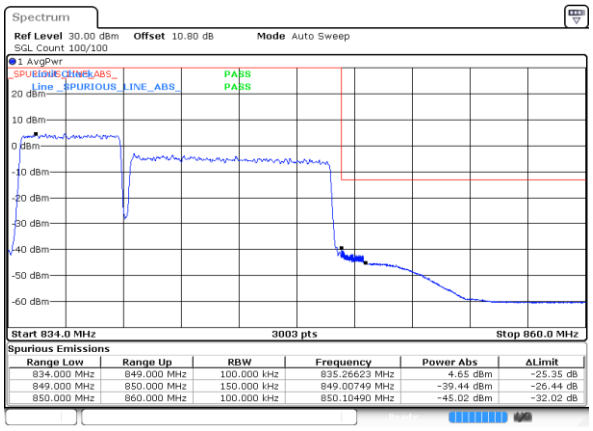



#### Lowest Band Edge / Full RB




#### Highest Band Edge / Full RB

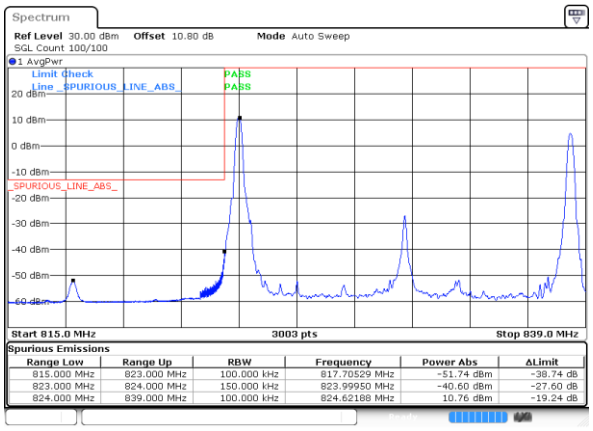


| LTE Band 5B / 5MHz+10MHz | |
|---|---|
| 16QAM | |
| **Lowest Band Edge / 1RB0 and 1RB49** | **Highest Band Edge / 1RB0 and 1RB49** |
|  |  |
| **Lowest Band Edge / 1RB24 and 1RB0** | **Highest Band Edge / 1RB24 and 1RB0** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

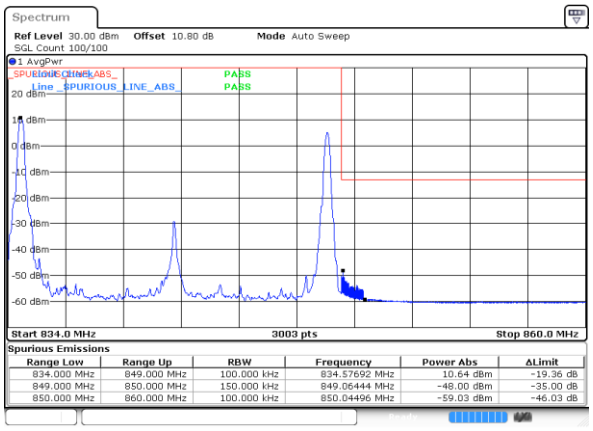
## LTE Band 5B / 10MHz+5MHz

### 16QAM

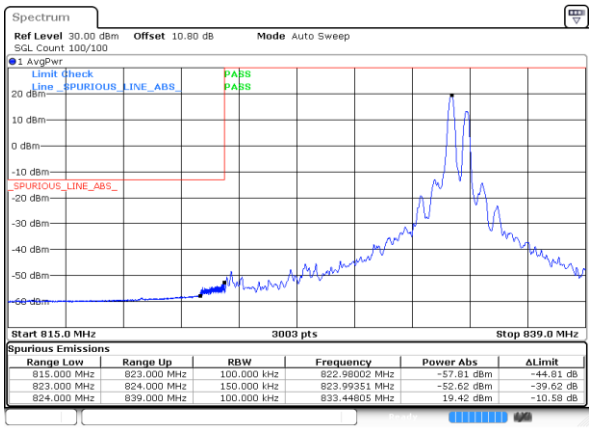
#### Lowest Band Edge / 1RB0 and 1RB24



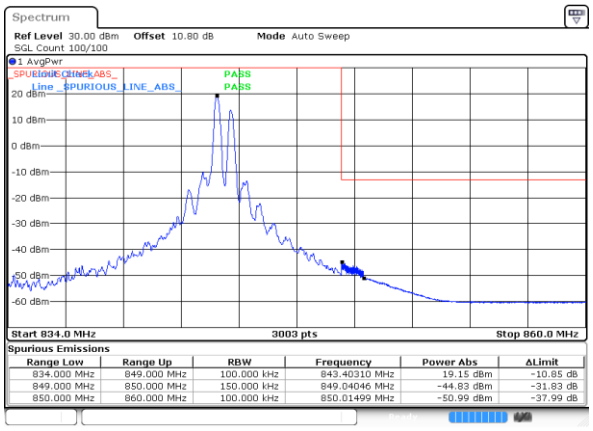

#### Highest Band Edge / 1RB0 and 1RB24



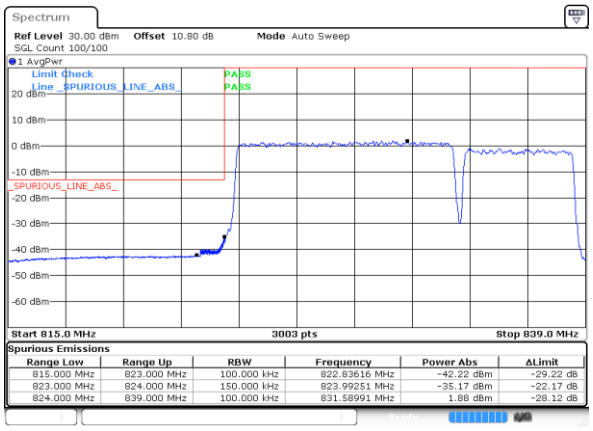

#### Lowest Band Edge / 1RB49 and 1RB0



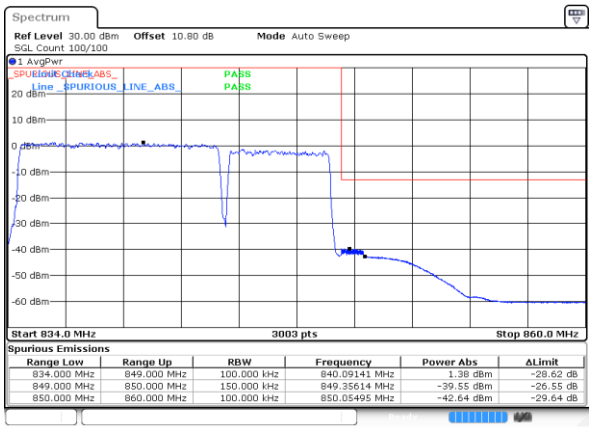

#### Highest Band Edge / 1RB49 and 1RB0




#### Lowest Band Edge / Full RB



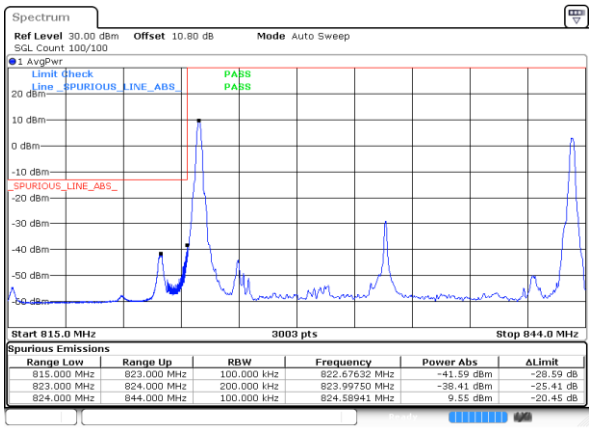

#### Highest Band Edge / Full RB



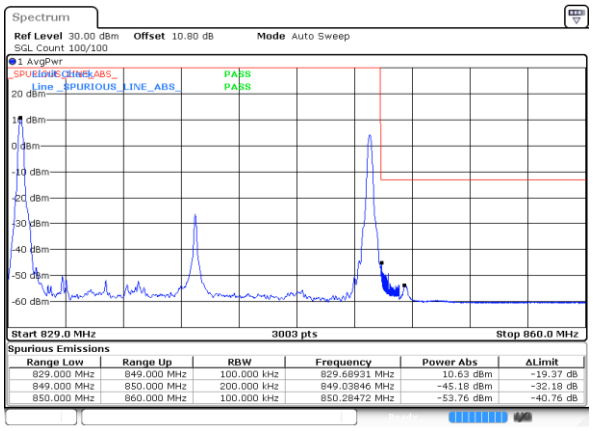
## LTE Band 5B / 10MHz+10MHz

### 16QAM

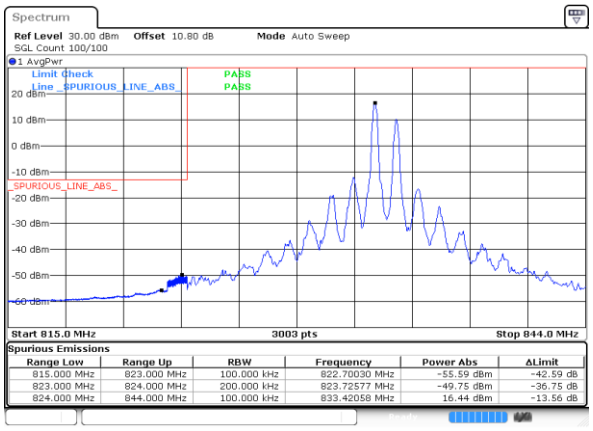
#### Lowest Band Edge / 1RB0 and 1RB49



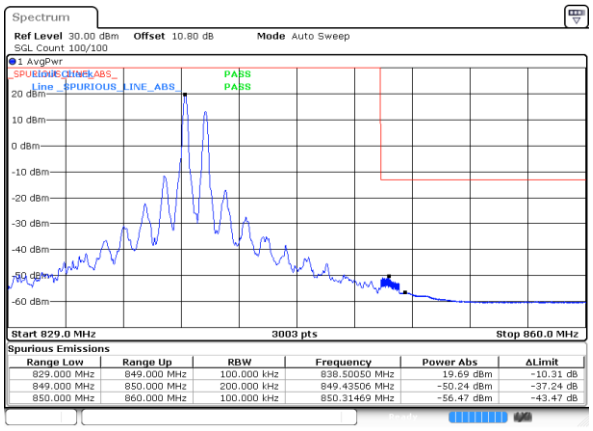

#### Highest Band Edge / 1RB0 and 1RB49



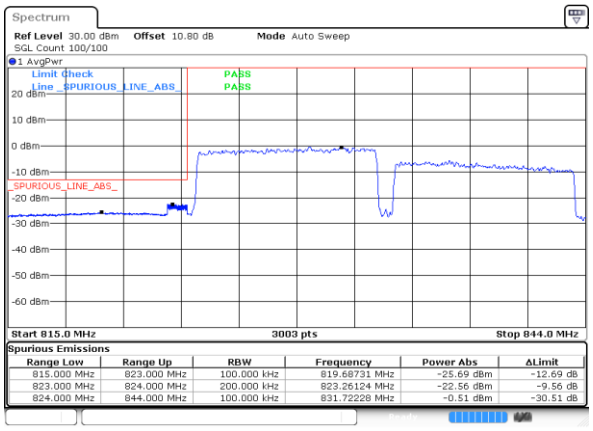

#### Lowest Band Edge / 1RB49 and 1RB0

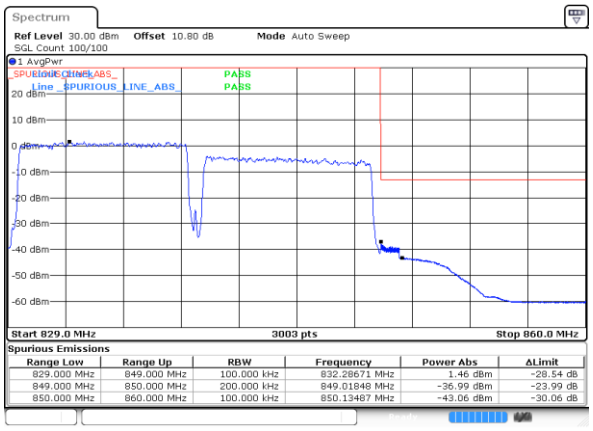



#### Highest Band Edge / 1RB49 and 1RB0




#### Lowest Band Edge / Full RB




#### Highest Band Edge / Full RB