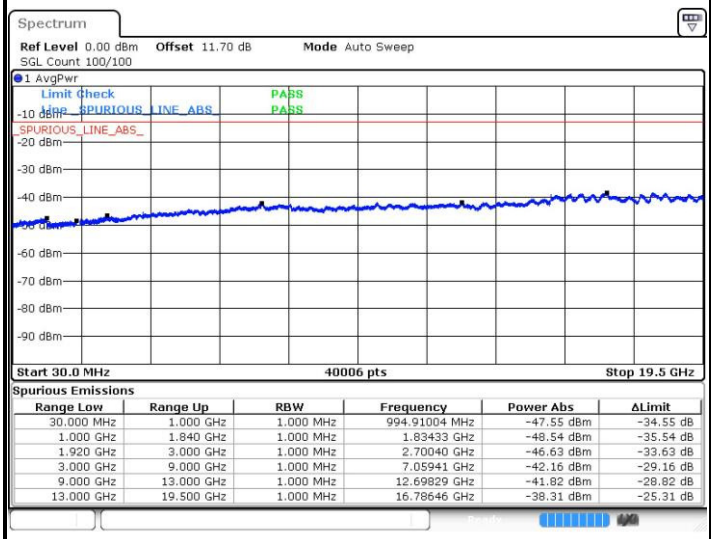
## LTE Band 2 / 5MHz

### Lowest Channel / QPSK

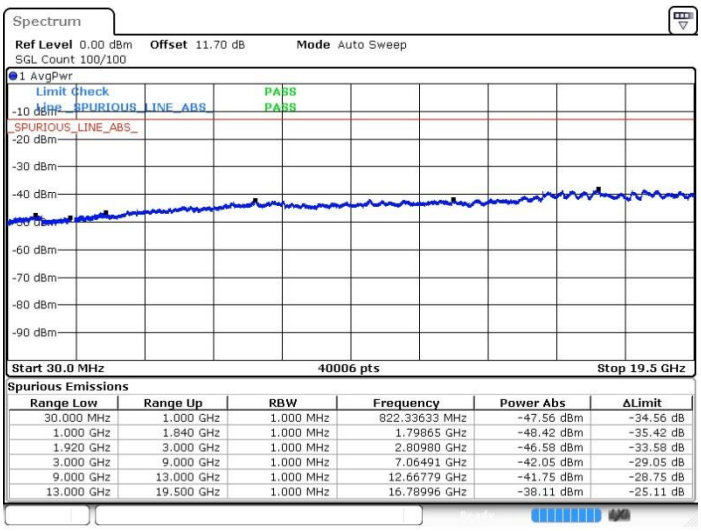



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 994.91004 MHz | -47.55 dBm | -34.55 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83433 GHz | -48.54 dBm | -35.54 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.70040 GHz | -46.63 dBm | -33.63 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05941 GHz | -42.16 dBm | -29.16 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69829 GHz | -41.82 dBm | -28.82 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78646 GHz | -38.31 dBm | -25.31 dB |

Date: 7.FEB.2016 08:46:28

### Lowest Channel / 16QAM

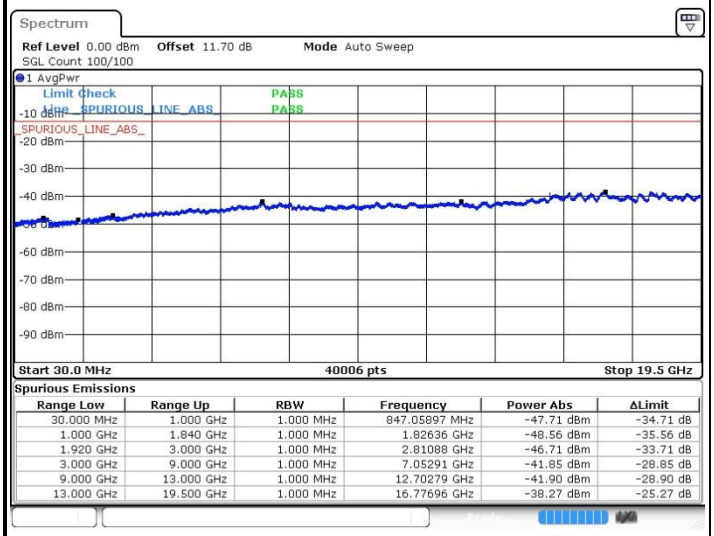



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 822.33633 MHz | -47.56 dBm | -34.56 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79865 GHz | -48.42 dBm | -35.42 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.80980 GHz | -46.58 dBm | -33.58 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06491 GHz | -42.05 dBm | -29.05 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.66779 GHz | -41.75 dBm | -28.75 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78996 GHz | -38.11 dBm | -25.11 dB |

Date: 7.FEB.2016 08:47:33

### Middle Channel / QPSK

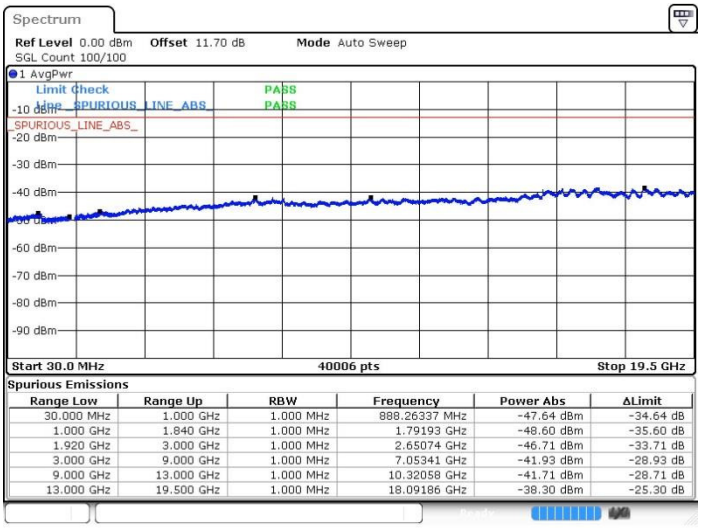



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 847.05897 MHz | -47.71 dBm | -34.71 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82636 GHz | -48.56 dBm | -35.56 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.81088 GHz | -46.71 dBm | -33.71 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05291 GHz | -41.85 dBm | -28.85 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70279 GHz | -41.90 dBm | -28.90 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.77696 GHz | -38.27 dBm | -25.27 dB |

Date: 7.FEB.2016 08:49:23

### Middle Channel / 16QAM



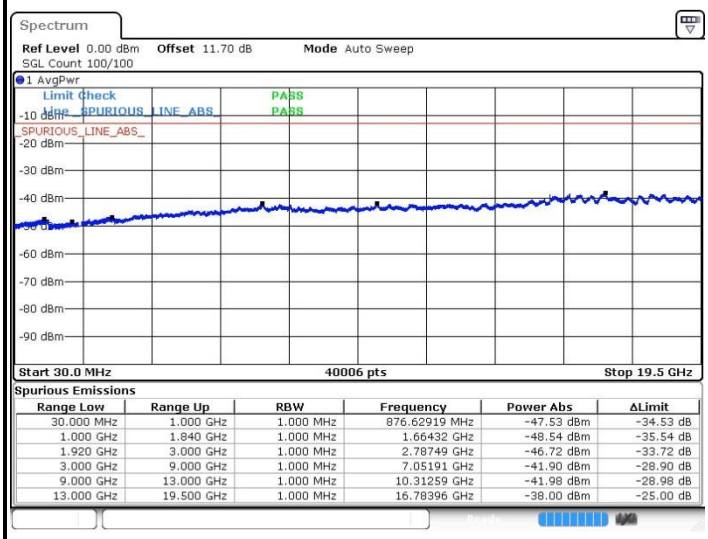

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 888.26337 MHz | -47.64 dBm | -34.64 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79193 GHz | -48.60 dBm | -35.60 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65074 GHz | -46.71 dBm | -33.71 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05341 GHz | -41.93 dBm | -28.93 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.32058 GHz | -41.71 dBm | -28.71 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.09186 GHz | -38.30 dBm | -25.30 dB |

Date: 7.FEB.2016 08:50:28

## LTE Band 2 / 5MHz

### Highest Channel / QPSK

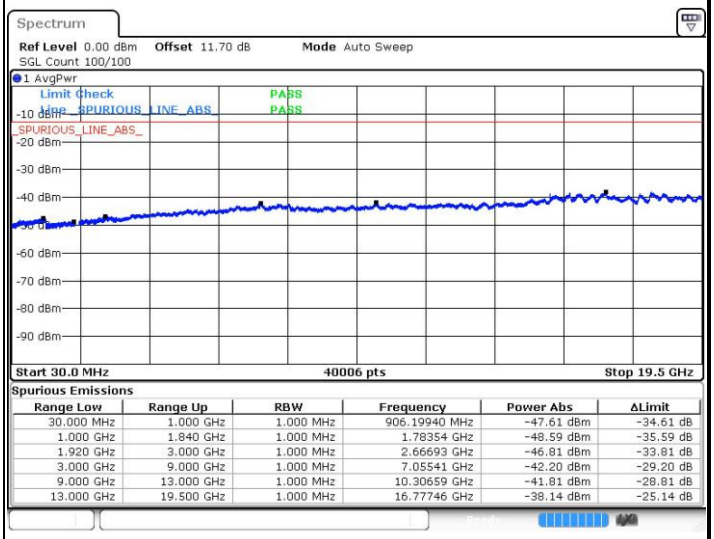



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 876.62919 MHz | -47.53 dBm | -34.53 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66432 GHz | -48.54 dBm | -35.54 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.78749 GHz | -46.72 dBm | -33.72 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05191 GHz | -41.90 dBm | -28.90 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31259 GHz | -41.98 dBm | -28.98 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78396 GHz | -38.00 dBm | -25.00 dB |

Date: 7.FEB.2016 08:57:16

### Highest Channel / 16QAM



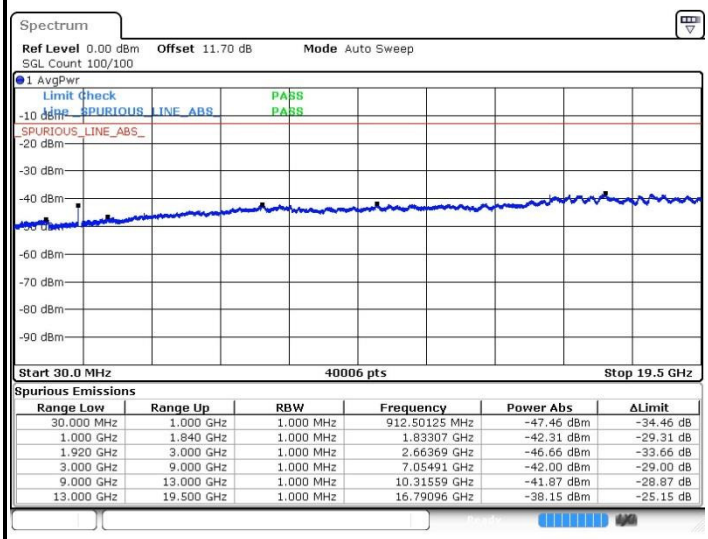

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 906.19940 MHz | -47.61 dBm | -34.61 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.78354 GHz | -48.59 dBm | -35.59 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.66693 GHz | -46.81 dBm | -33.81 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05541 GHz | -42.20 dBm | -29.20 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.30659 GHz | -41.81 dBm | -28.81 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.77746 GHz | -38.14 dBm | -25.14 dB |

Date: 7.FEB.2016 08:58:21

## LTE Band 2 / 10MHz

### Lowest Channel / QPSK

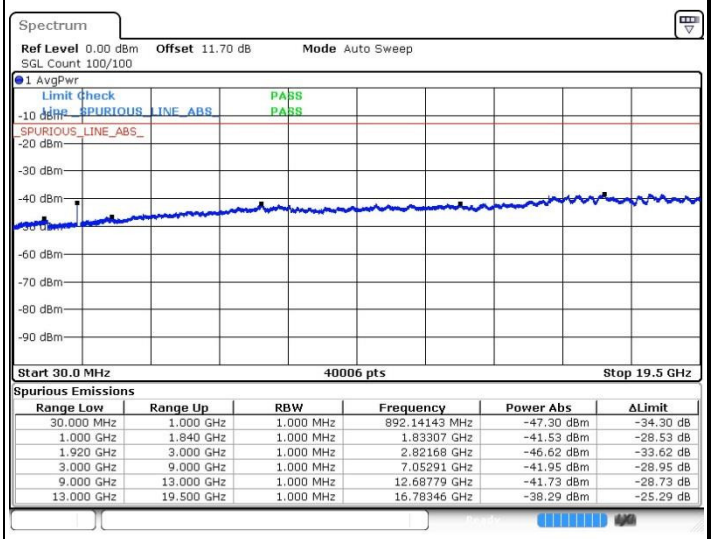



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 912.50125 MHz | -47.46 dBm | -34.46 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83307 GHz | -42.31 dBm | -29.31 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.66369 GHz | -46.66 dBm | -33.66 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05491 GHz | -42.00 dBm | -29.00 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31559 GHz | -41.87 dBm | -28.87 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79096 GHz | -38.15 dBm | -25.15 dB |

Date: 7.FEB.2016 09:05:10

### Lowest Channel / 16QAM



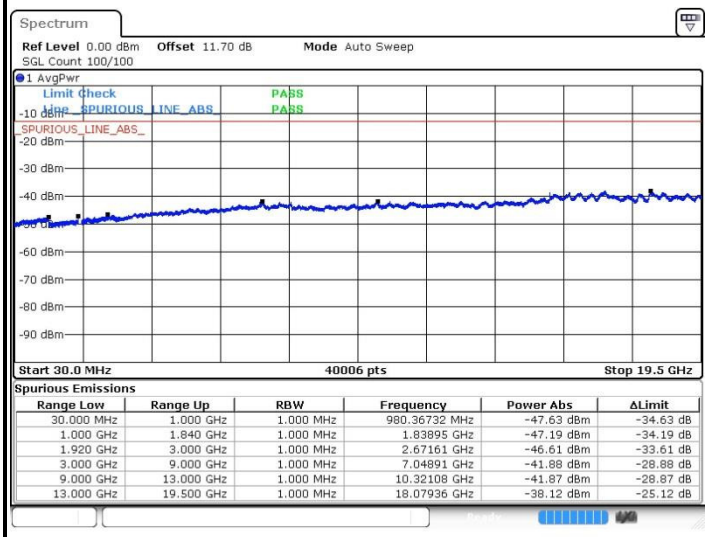

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 892.14143 MHz | -47.30 dBm | -34.30 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83307 GHz | -41.53 dBm | -28.53 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.82168 GHz | -46.62 dBm | -33.62 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05291 GHz | -41.95 dBm | -28.95 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.68779 GHz | -41.73 dBm | -28.73 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78346 GHz | -38.29 dBm | -25.29 dB |

Date: 7.FEB.2016 09:06:15

## LTE Band 2 / 10MHz

### Middle Channel / QPSK

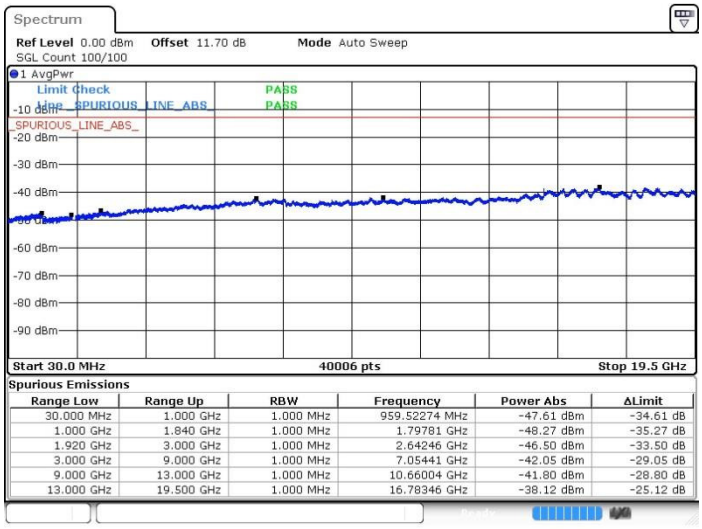



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 980.36732 MHz | -47.63 dBm | -34.63 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83895 GHz | -47.19 dBm | -34.19 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67161 GHz | -46.61 dBm | -33.61 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.04891 GHz | -41.88 dBm | -28.88 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.32108 GHz | -41.87 dBm | -28.87 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.07936 GHz | -38.12 dBm | -25.12 dB |

Date: 7.FEB.2016 09:08:04

### Middle Channel / 16QAM

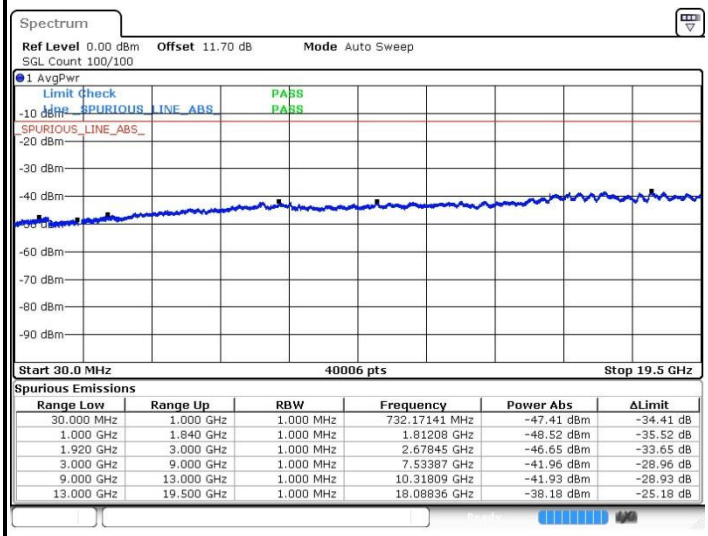



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 959.52274 MHz | -47.61 dBm | -34.61 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79781 GHz | -48.27 dBm | -35.27 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.64246 GHz | -46.50 dBm | -33.50 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05441 GHz | -42.05 dBm | -29.05 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.66004 GHz | -41.80 dBm | -28.80 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78346 GHz | -38.12 dBm | -25.12 dB |

Date: 7.FEB.2016 09:09:10

### Highest Channel / QPSK

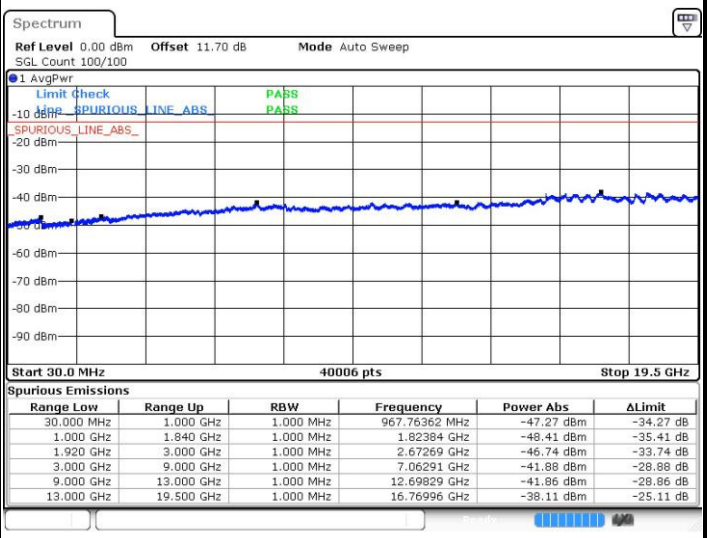



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 732.17141 MHz | -47.41 dBm | -34.41 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.81208 GHz | -48.52 dBm | -35.52 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67845 GHz | -46.65 dBm | -33.65 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.53387 GHz | -41.96 dBm | -28.96 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31809 GHz | -41.93 dBm | -28.93 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.08836 GHz | -38.18 dBm | -25.18 dB |

Date: 7.FEB.2016 09:15:58

### Highest Channel / 16QAM



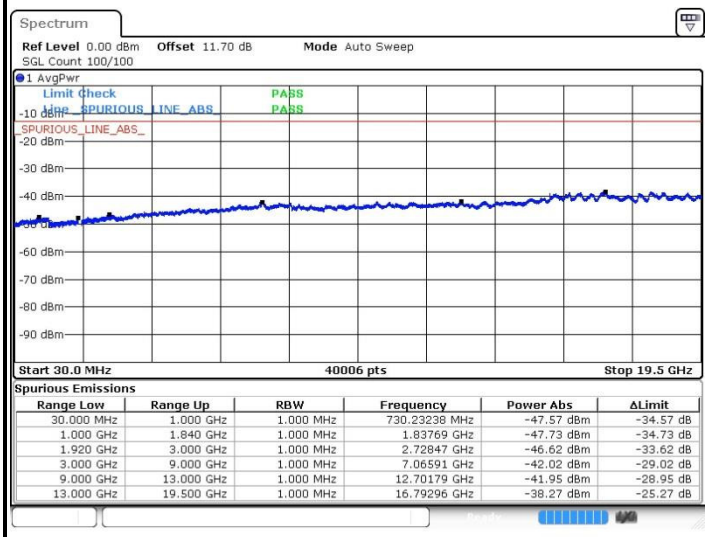

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.76362 MHz | -47.27 dBm | -34.27 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82384 GHz | -48.41 dBm | -35.41 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67269 GHz | -46.74 dBm | -33.74 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06291 GHz | -41.88 dBm | -28.88 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69829 GHz | -41.86 dBm | -28.86 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.76996 GHz | -38.11 dBm | -25.11 dB |

Date: 7.FEB.2016 09:17:03

## LTE Band 2 / 15MHz

### Lowest Channel / QPSK

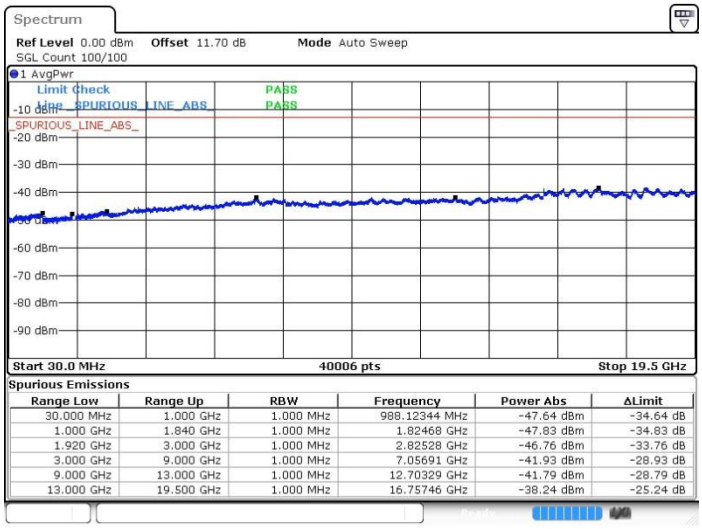



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 730.23238 MHz | -47.57 dBm | -34.57 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83769 GHz | -47.73 dBm | -34.73 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.72847 GHz | -46.62 dBm | -33.62 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06591 GHz | -42.02 dBm | -29.02 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70179 GHz | -41.95 dBm | -28.95 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79296 GHz | -38.27 dBm | -25.27 dB |

Date: 7.FEB.2016 09:23:49

### Lowest Channel / 16QAM

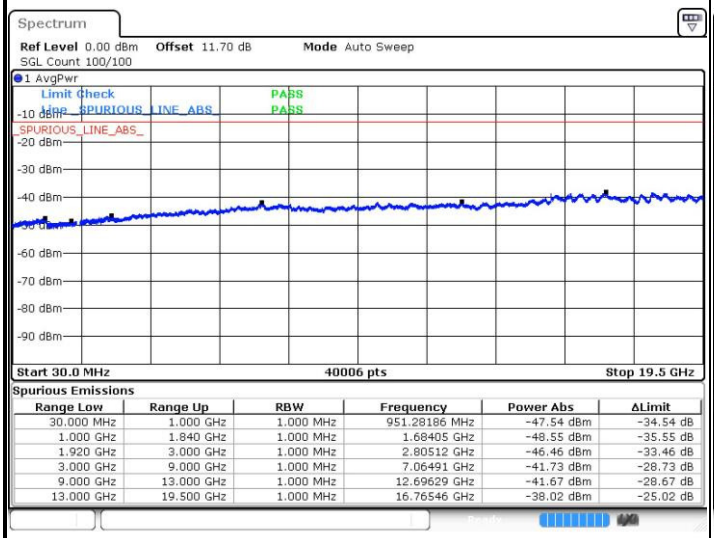



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 988.12344 MHz | -47.64 dBm | -34.64 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82468 GHz | -47.83 dBm | -34.83 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.82528 GHz | -46.76 dBm | -33.76 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05691 GHz | -41.93 dBm | -28.93 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70329 GHz | -41.79 dBm | -28.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.75746 GHz | -38.24 dBm | -25.24 dB |

Date: 7.FEB.2016 09:24:53

### Middle Channel / QPSK

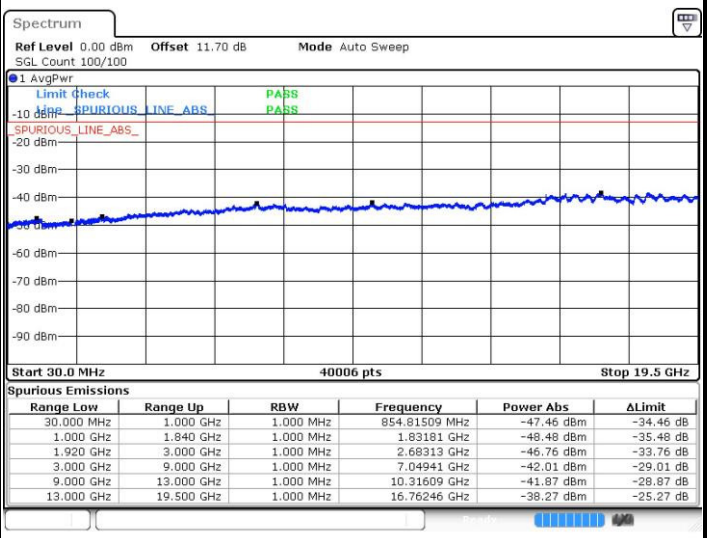



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 951.28186 MHz | -47.54 dBm | -34.54 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.68405 GHz | -48.55 dBm | -35.55 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.80512 GHz | -46.46 dBm | -33.46 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06491 GHz | -41.73 dBm | -28.73 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69629 GHz | -41.67 dBm | -28.67 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.76546 GHz | -38.02 dBm | -25.02 dB |

Date: 7.FEB.2016 09:26:43

### Middle Channel / 16QAM



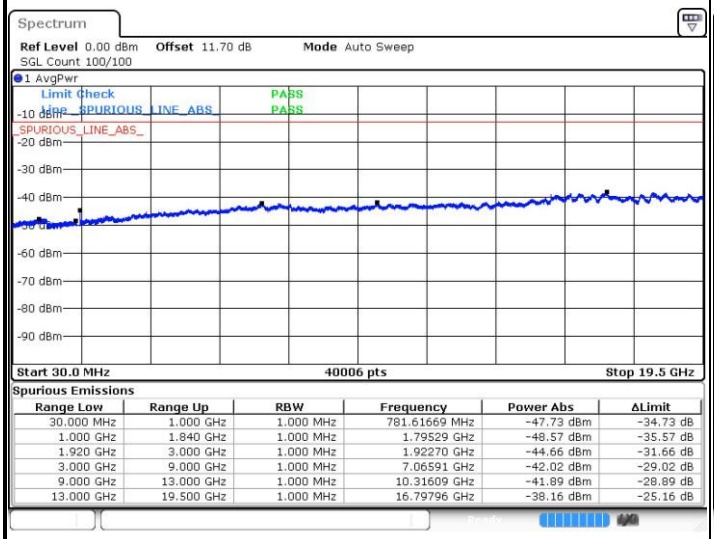

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 854.81509 MHz | -47.46 dBm | -34.46 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83181 GHz | -48.48 dBm | -35.48 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.68313 GHz | -46.76 dBm | -33.76 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.04941 GHz | -42.01 dBm | -29.01 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31609 GHz | -41.87 dBm | -28.87 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.76246 GHz | -38.27 dBm | -25.27 dB |

Date: 7.FEB.2016 09:27:49

## LTE Band 2 / 15MHz

### Highest Channel / QPSK

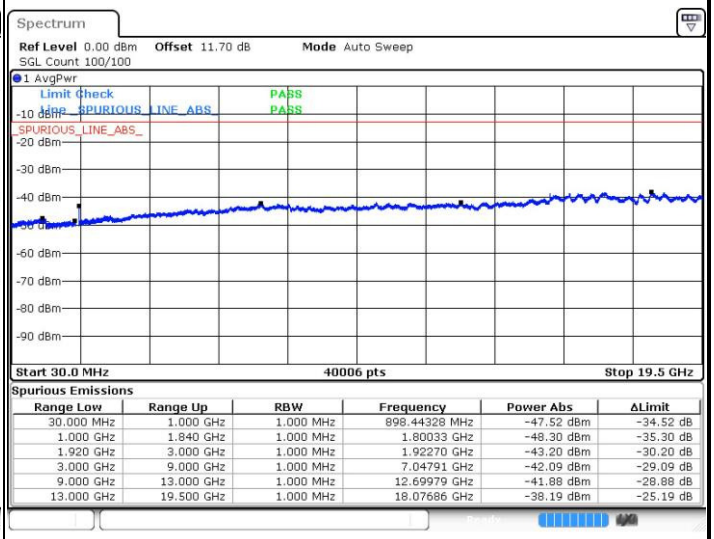



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 781.61669 MHz | -47.73 dBm | -34.73 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79529 GHz | -48.57 dBm | -35.57 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92270 GHz | -44.66 dBm | -31.66 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06591 GHz | -42.02 dBm | -29.02 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31609 GHz | -41.89 dBm | -28.89 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79796 GHz | -38.16 dBm | -25.16 dB |

Date: 7.FEB.2016 09:34:37

### Highest Channel / 16QAM



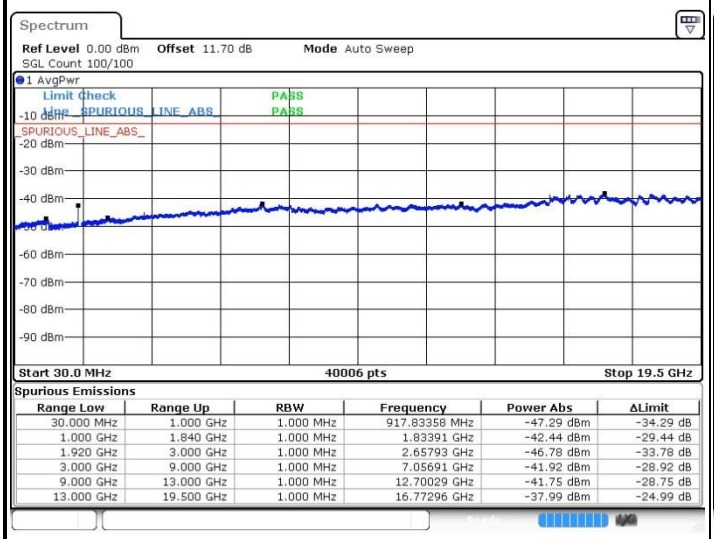

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 898.44328 MHz | -47.52 dBm | -34.52 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.80033 GHz | -48.30 dBm | -35.30 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92270 GHz | -43.20 dBm | -30.20 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.04791 GHz | -42.09 dBm | -29.09 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69979 GHz | -41.88 dBm | -28.88 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.07686 GHz | -38.19 dBm | -25.19 dB |

Date: 7.FEB.2016 09:35:42

## LTE Band 2 / 20MHz

### Lowest Channel / QPSK

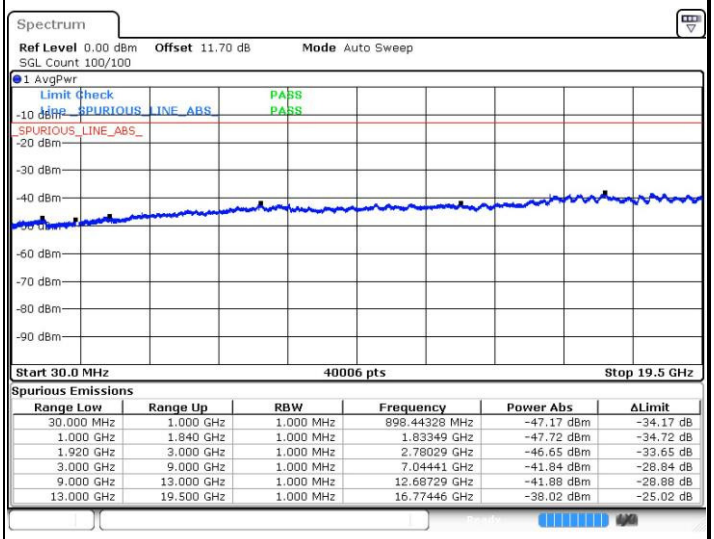



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 917.83358 MHz | -47.29 dBm | -34.29 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83391 GHz | -42.44 dBm | -29.44 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65793 GHz | -46.78 dBm | -33.78 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05691 GHz | -41.92 dBm | -28.92 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70029 GHz | -41.75 dBm | -28.75 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.77296 GHz | -37.99 dBm | -24.99 dB |

Date: 7.FEB.2016 09:42:25

### Lowest Channel / 16QAM



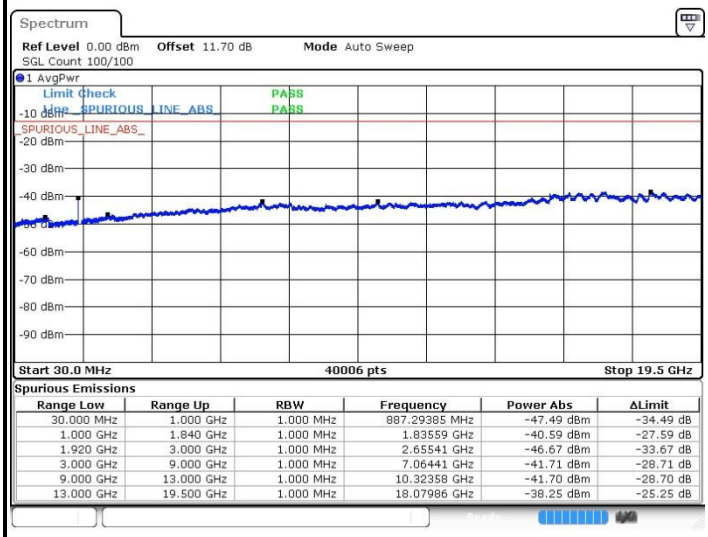

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 898.44328 MHz | -47.17 dBm | -34.17 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83349 GHz | -47.72 dBm | -34.72 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.78029 GHz | -46.65 dBm | -33.65 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.04441 GHz | -41.84 dBm | -28.84 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.68729 GHz | -41.88 dBm | -28.88 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.77446 GHz | -38.02 dBm | -25.02 dB |

Date: 7.FEB.2016 09:43:29

## LTE Band 2 / 20MHz

### Middle Channel / QPSK

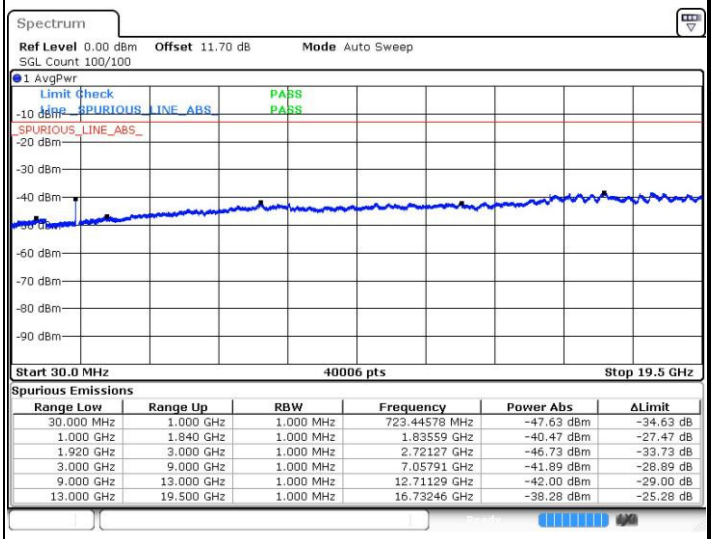



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 887.29385 MHz | -47.49 dBm | -34.49 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83559 GHz | -40.59 dBm | -27.59 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65541 GHz | -46.67 dBm | -33.67 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06441 GHz | -41.71 dBm | -28.71 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.32358 GHz | -41.70 dBm | -28.70 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.07986 GHz | -38.25 dBm | -25.25 dB |

Date: 7.FEB.2016 09:45:18

### Middle Channel / 16QAM

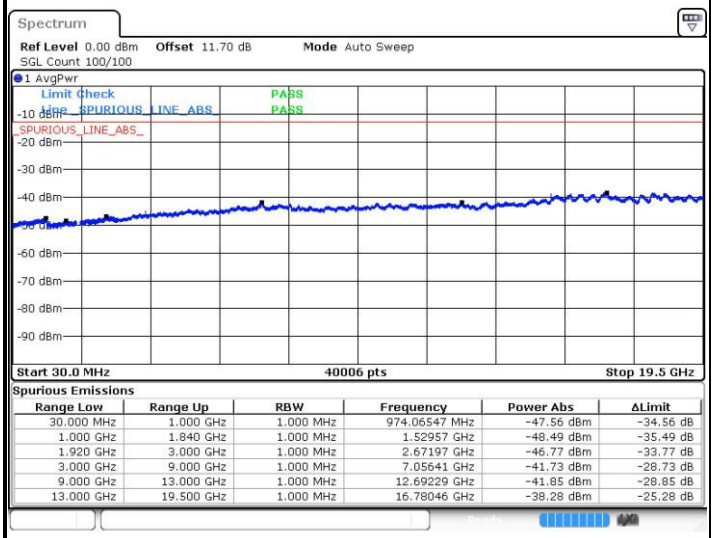



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 723.44578 MHz | -47.63 dBm | -34.63 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83559 GHz | -40.47 dBm | -27.47 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.72127 GHz | -46.73 dBm | -33.73 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05791 GHz | -41.89 dBm | -28.89 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.71129 GHz | -42.00 dBm | -29.00 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.73246 GHz | -38.28 dBm | -25.28 dB |

Date: 7.FEB.2016 09:46:24

### Highest Channel / QPSK

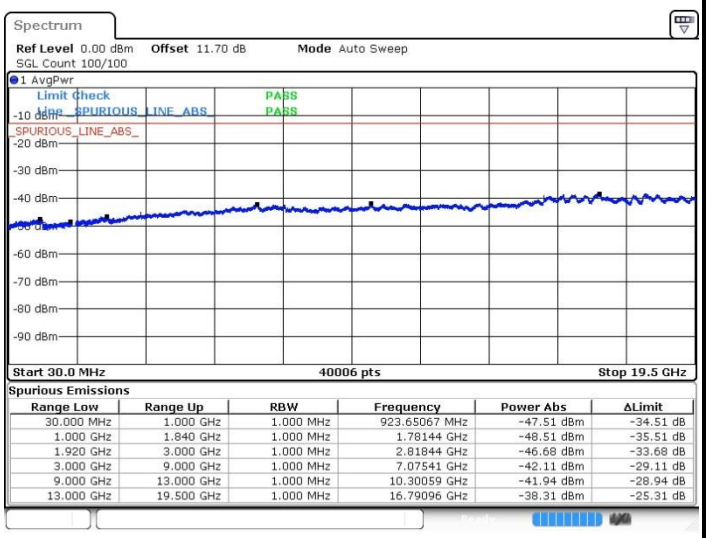



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 974.06547 MHz | -47.56 dBm | -34.56 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.52957 GHz | -48.49 dBm | -35.49 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67197 GHz | -46.77 dBm | -33.77 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05641 GHz | -41.73 dBm | -28.73 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69229 GHz | -41.85 dBm | -28.85 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78046 GHz | -38.28 dBm | -25.28 dB |

Date: 7.FEB.2016 09:53:09

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 923.65067 MHz | -47.51 dBm | -34.51 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.78144 GHz | -48.51 dBm | -35.51 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.81844 GHz | -46.68 dBm | -33.68 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.07541 GHz | -42.11 dBm | -29.11 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.30059 GHz | -41.94 dBm | -28.94 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79096 GHz | -38.31 dBm | -25.31 dB |

Date: 7.FEB.2016 09:54:15

# Frequency Stability

| Test Conditions | | LTE Band 2 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0007 | PASS |
| 40 | Normal Voltage | 0.0002 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0004 | |
| 0 | Normal Voltage | 0.0011 | |
| -10 | Normal Voltage | 0.0000 | |
| -20 | Normal Voltage | 0.0005 | |
| -30 | Normal Voltage | 0.0001 | |
| 20 | Maximum Voltage | 0.0002 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0009 | |

**Note:**

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

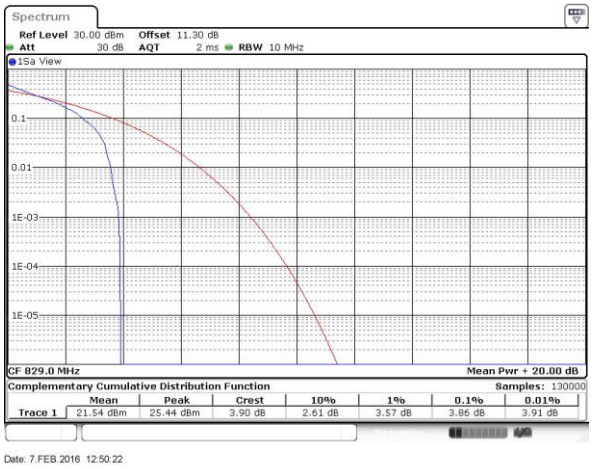
# LTE Band 5

## Peak-to-Average Ratio

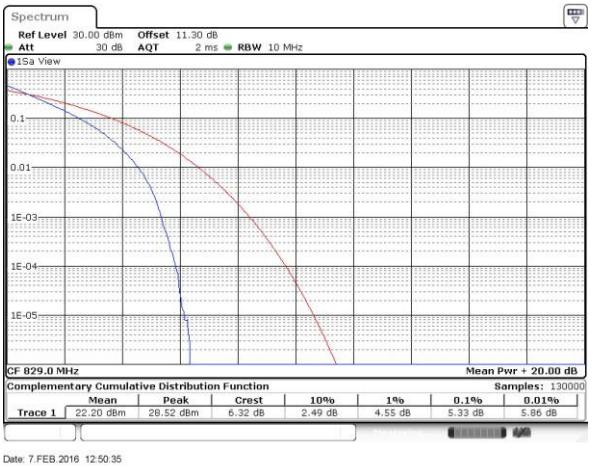
| Mode | LTE Band 5 / 10MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.86 | 5.33 | 4.64 | 6.35 | PASS |
| Middle CH | 4.17 | 5.19 | 4.93 | 6.12 | |
| Highest CH | 4.09 | 5.71 | 4.72 | 6.49 | |

## LTE Band 5 / 10MHz / QPSK

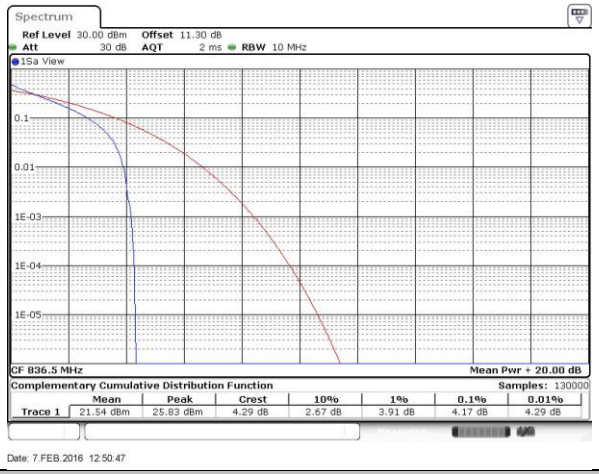
### Lowest Channel / 1RB



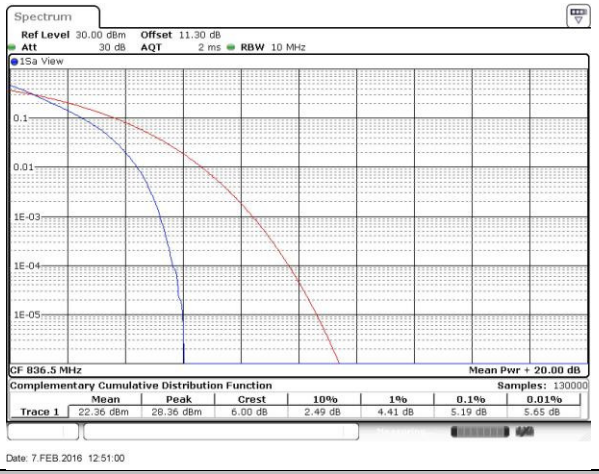

### Lowest Channel / Full RB



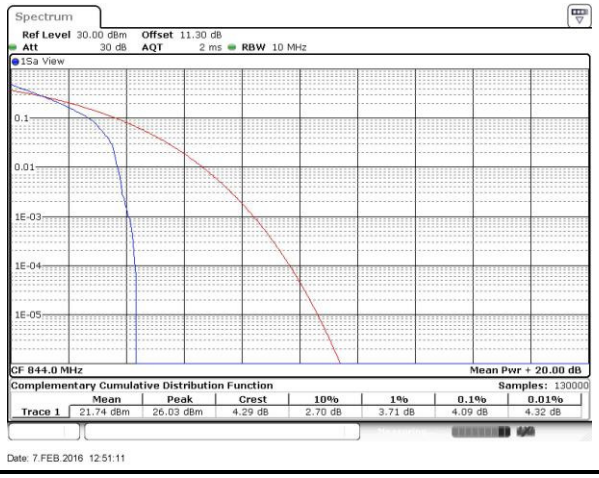

### Middle Channel / 1RB



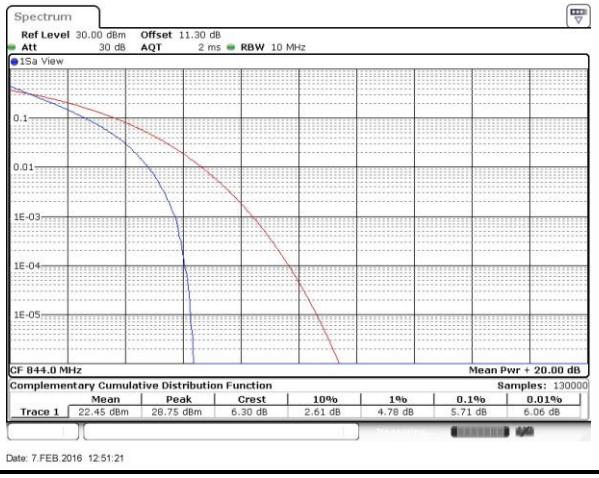

### Middle Channel / Full RB




### Highest Channel / 1RB

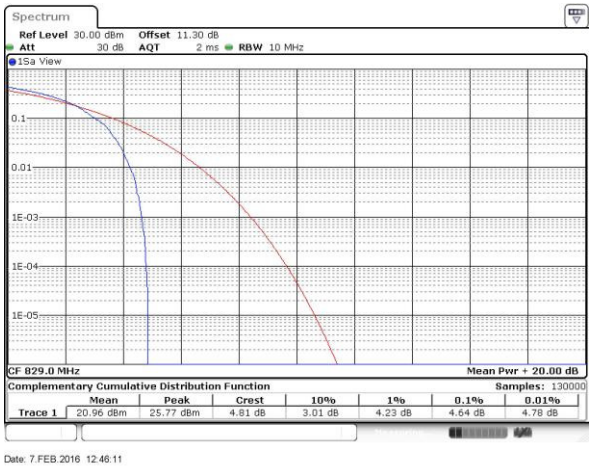



### Highest Channel / Full RB

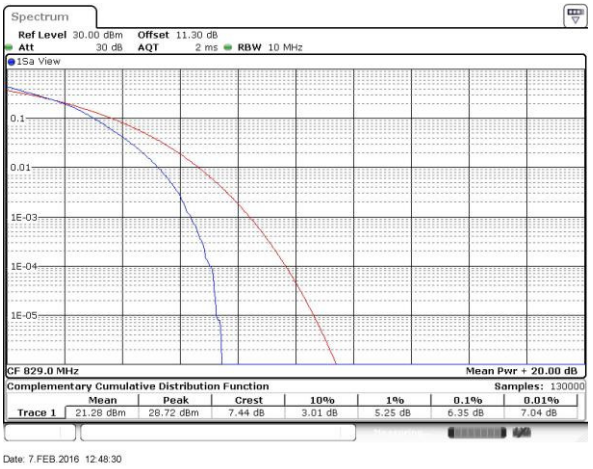


## LTE Band 5 / 10MHz / 16QAM

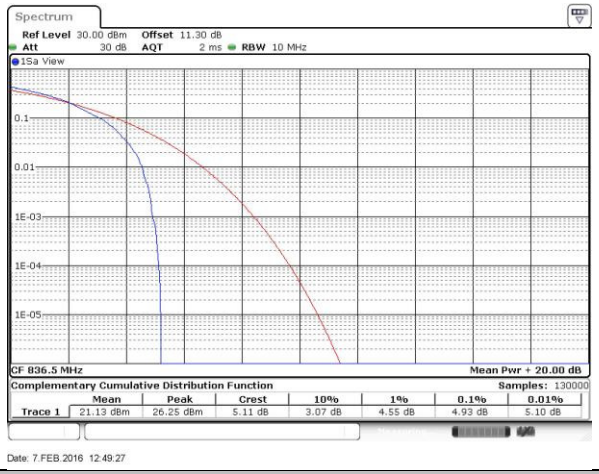
### Lowest Channel / 1RB



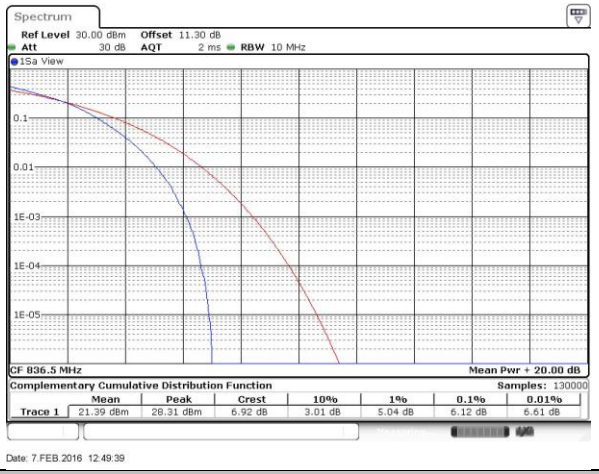

### Lowest Channel / Full RB



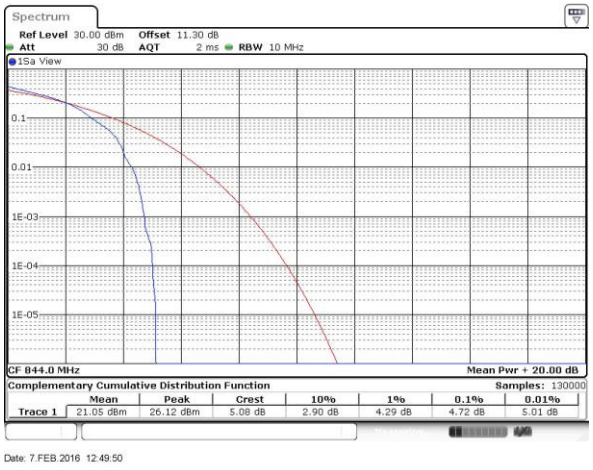

### Middle Channel / 1RB



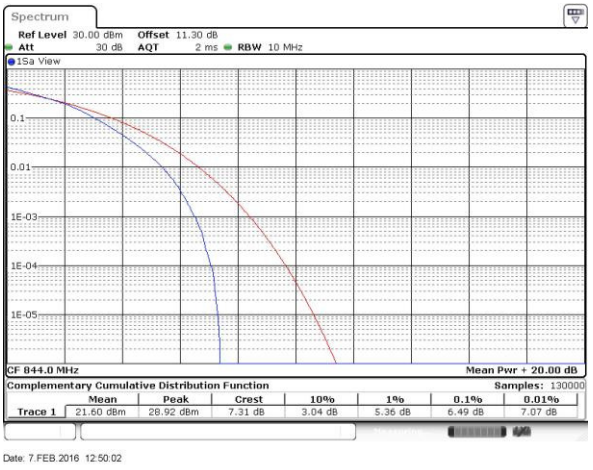

### Middle Channel / Full RB




### Highest Channel / 1RB




### Highest Channel / Full RB

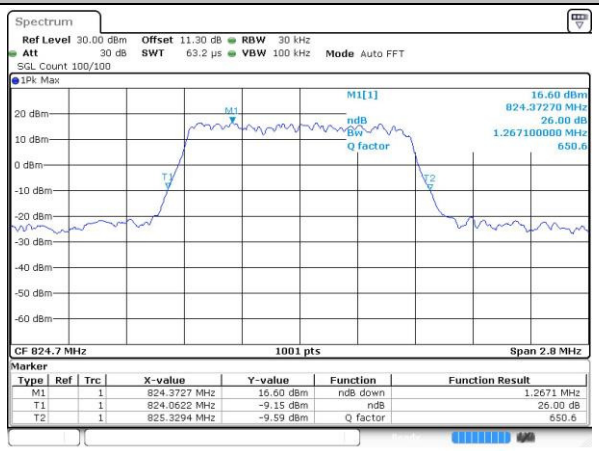


# 26dB Bandwidth

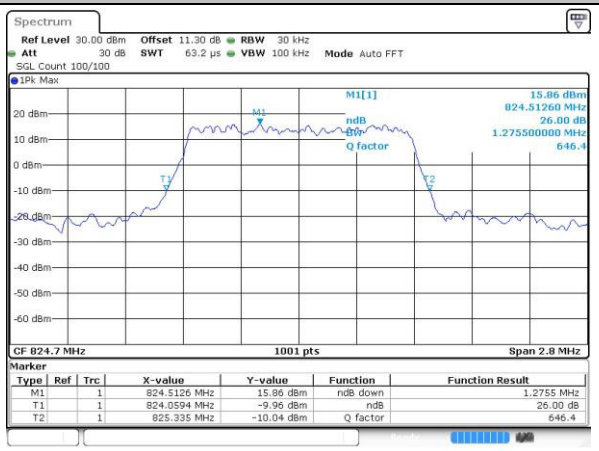
| Mode | LTE Band 5 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.27 | 1.28 | 2.98 | 3.02 | 4.96 | 4.91 | 9.87 | 9.89 | - | - | - | - |
| Middle CH | 1.27 | 1.26 | 3.02 | 3.02 | 4.96 | 4.9 | 9.97 | 9.75 | - | - | - | - |
| Highest CH | 1.26 | 1.23 | 3 | 3.04 | 4.83 | 4.98 | 9.93 | 9.81 | - | - | - | - |

## LTE Band 5

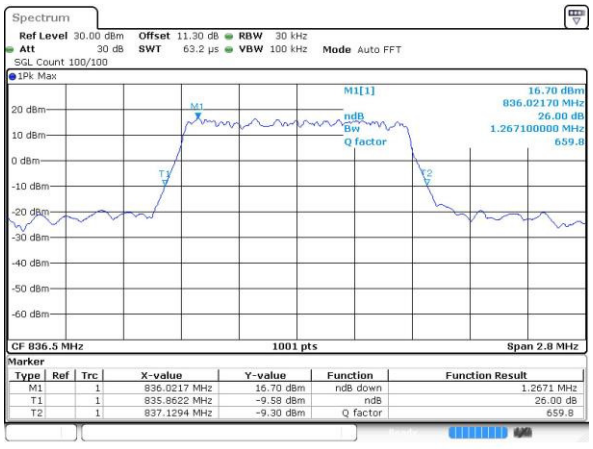
### Lowest Channel / 1.4MHz / QPSK



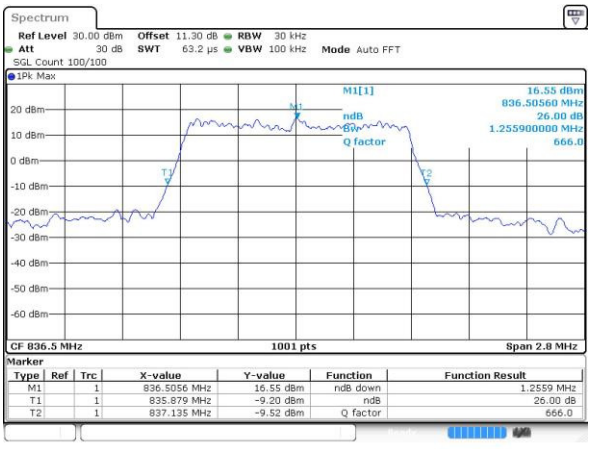

### Lowest Channel / 1.4MHz / 16QAM



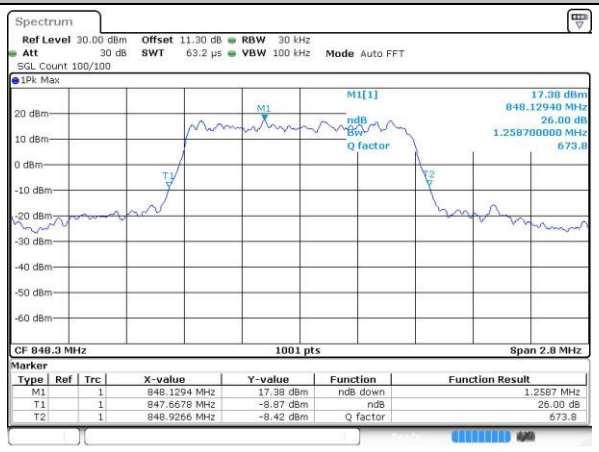

### Middle Channel / 1.4MHz / QPSK



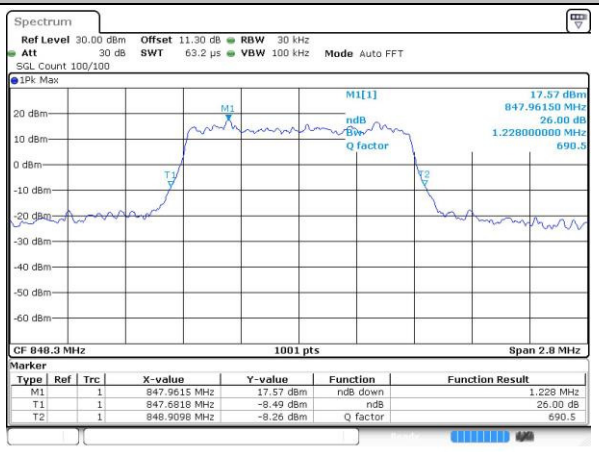

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

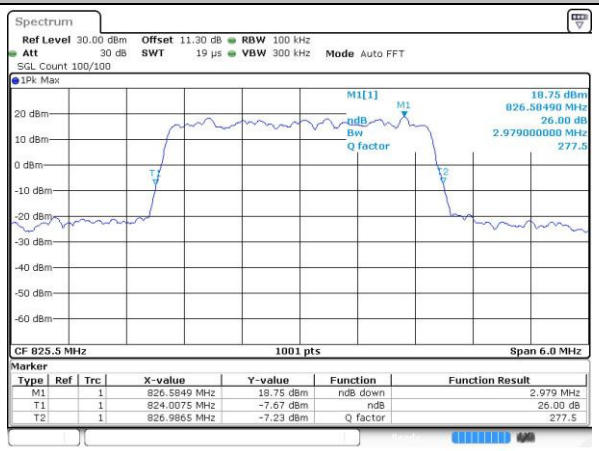



### Highest Channel / 1.4MHz / 16QAM

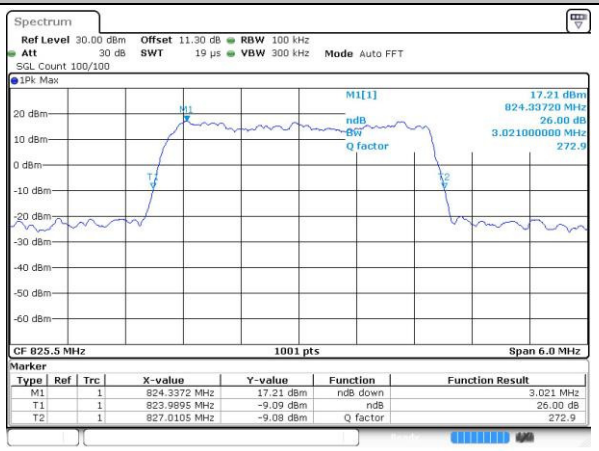


## LTE Band 5

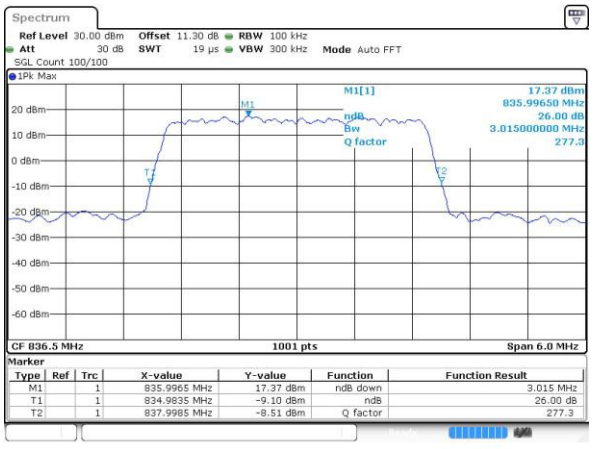
### Lowest Channel / 3MHz / QPSK



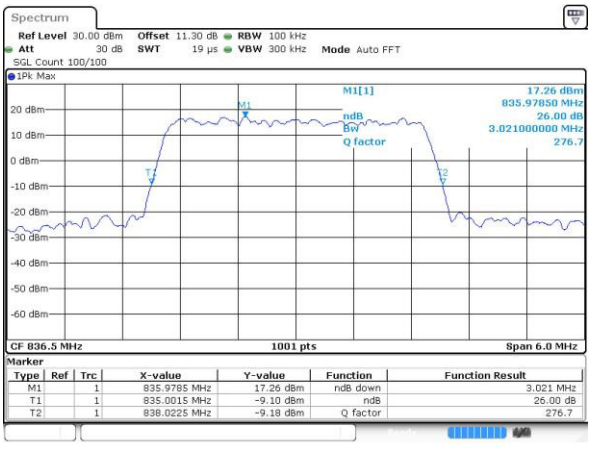

### Lowest Channel / 3MHz / 16QAM



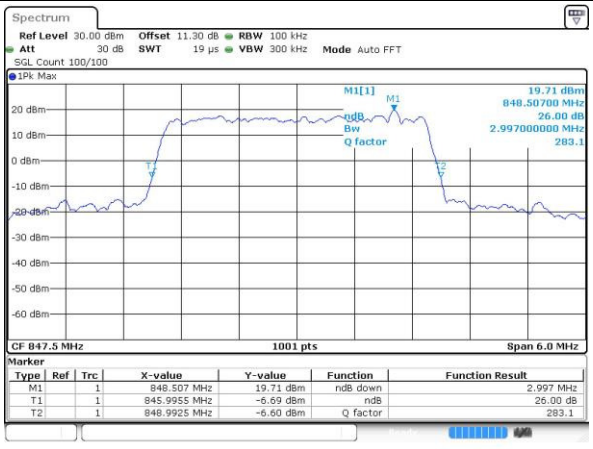

### Middle Channel / 3MHz / QPSK



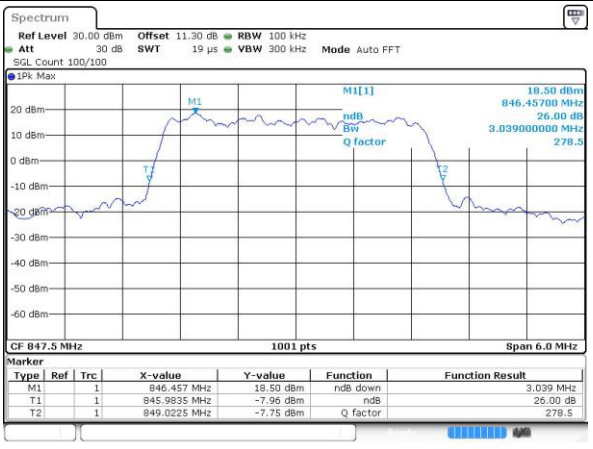

### Middle Channel /3MHz / 16QAM




### Highest Channel /3MHz / QPSK

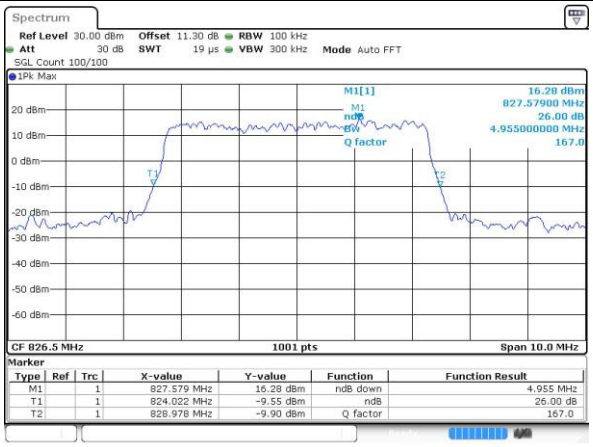



### Highest Channel /3MHz / 16QAM

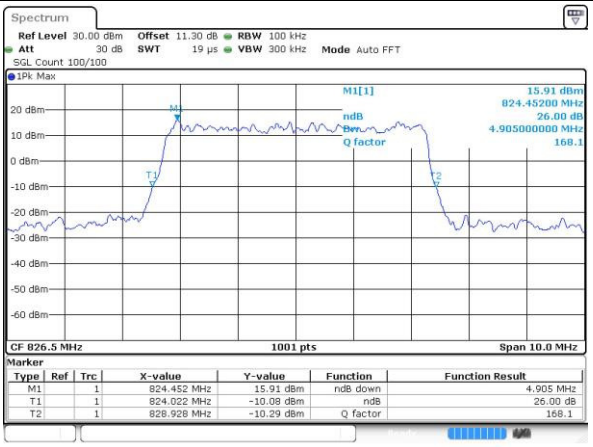


## LTE Band 5

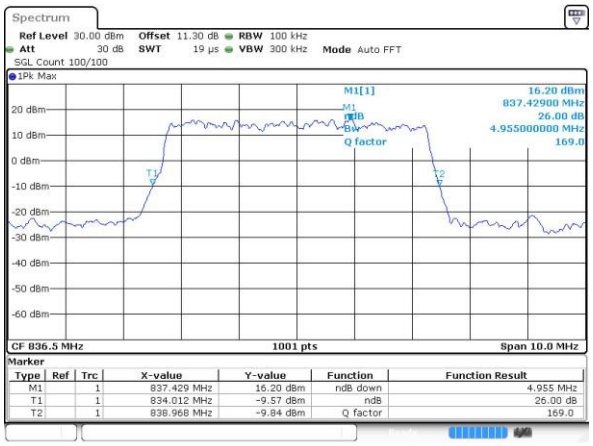
### Lowest Channel / 5MHz / QPSK



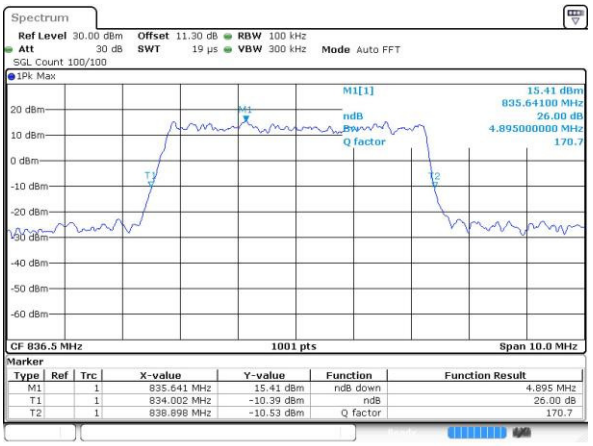

### Lowest Channel / 5MHz / 16QAM



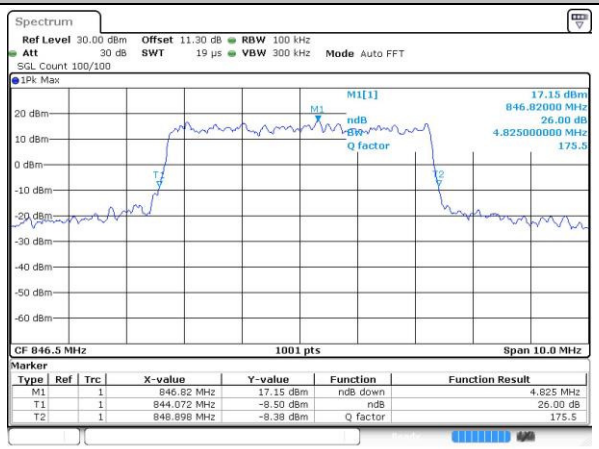

### Middle Channel / 5MHz / QPSK



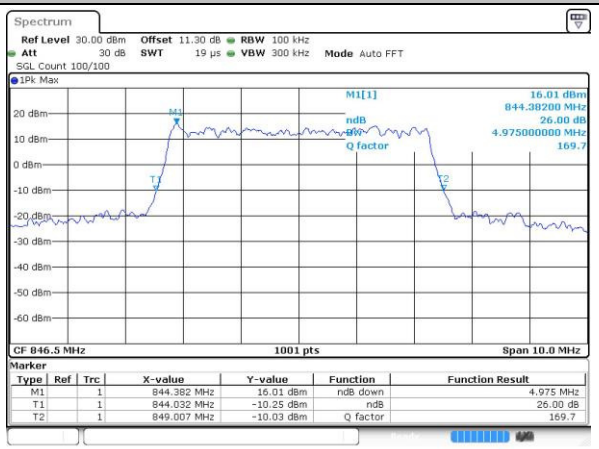

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

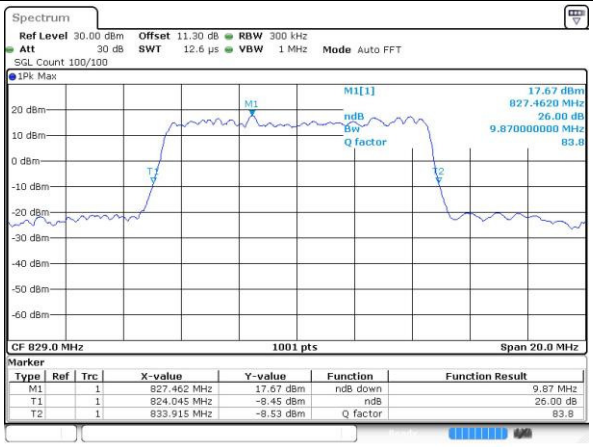



### Highest Channel / 5MHz / 16QAM

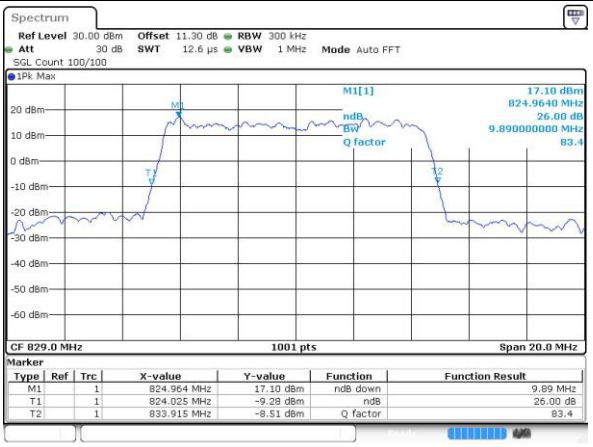


## LTE Band 5

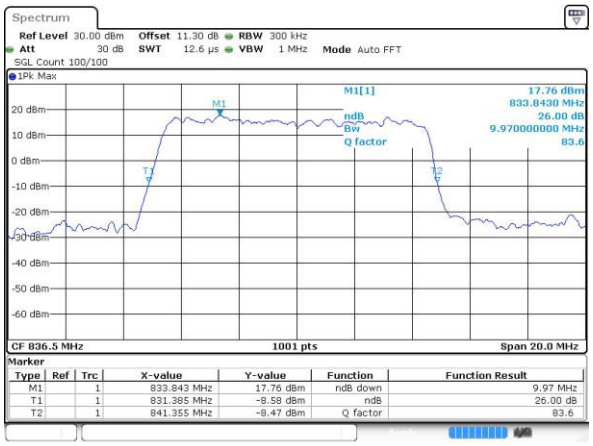
### Lowest Channel / 10MHz / QPSK



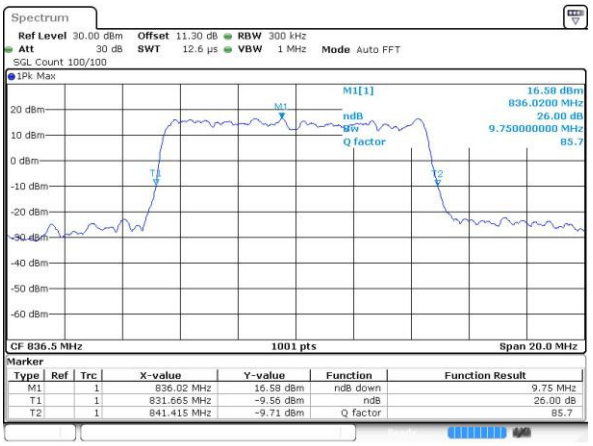

### Lowest Channel / 10MHz / 16QAM



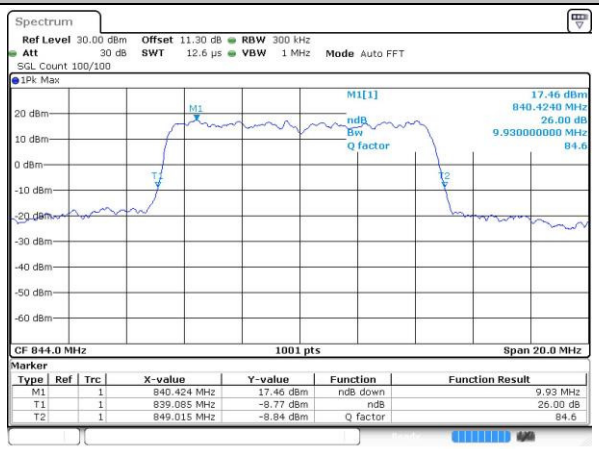

### Middle Channel / 10MHz / QPSK



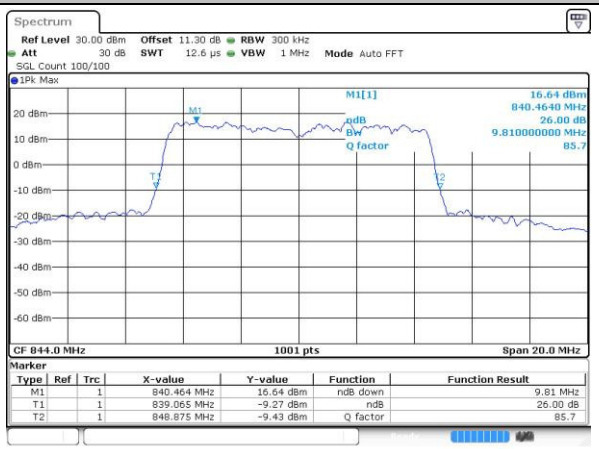

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK




### Highest Channel / 10MHz / 16QAM

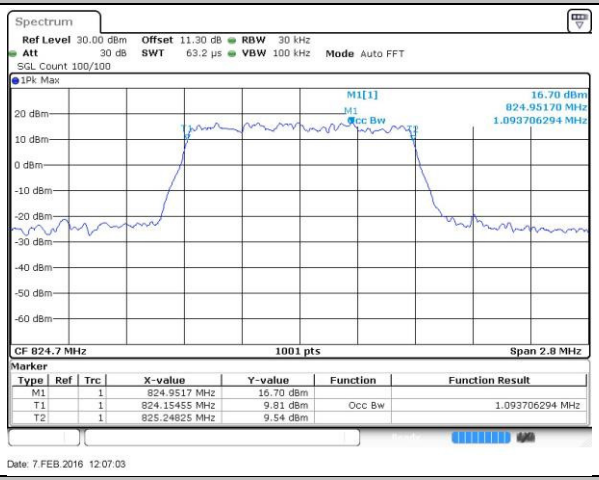


# Occupied Bandwidth

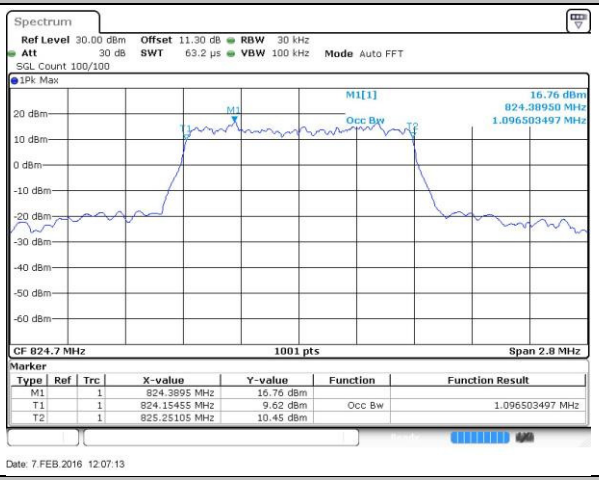
| Mode | LTE Band 5 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.49 | 4.49 | 9.07 | 9.03 | - | - | - | - |
| Middle CH | 1.1 | 1.09 | 2.73 | 2.72 | 4.52 | 4.49 | 9.07 | 9.03 | - | - | - | - |
| Highest CH | 1.1 | 1.1 | 2.73 | 2.71 | 4.48 | 4.51 | 9.01 | 9.03 | - | - | - | - |

## LTE Band 5

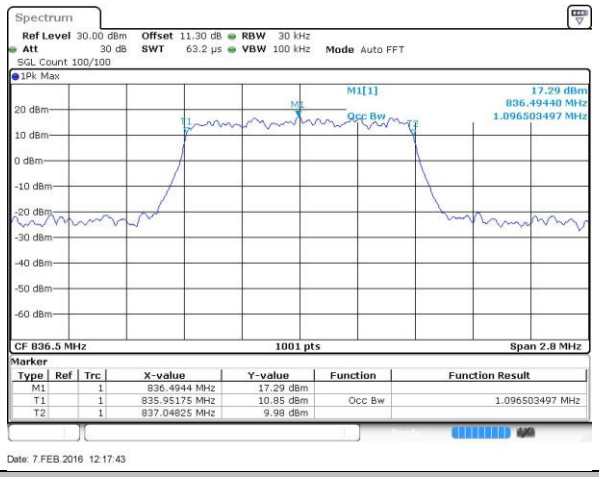
### Lowest Channel / 1.4MHz / QPSK



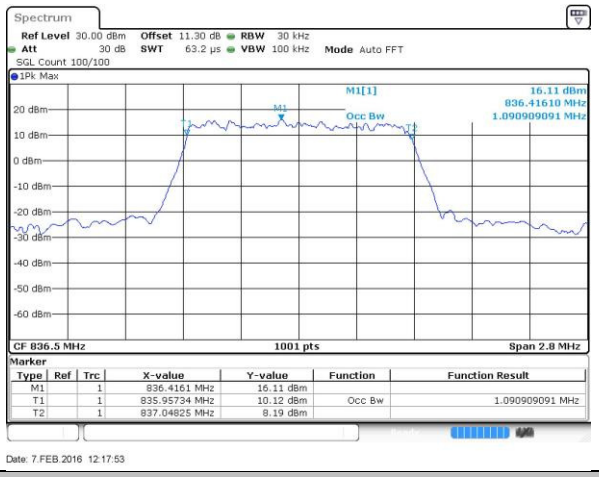

### Lowest Channel / 1.4MHz / 16QAM



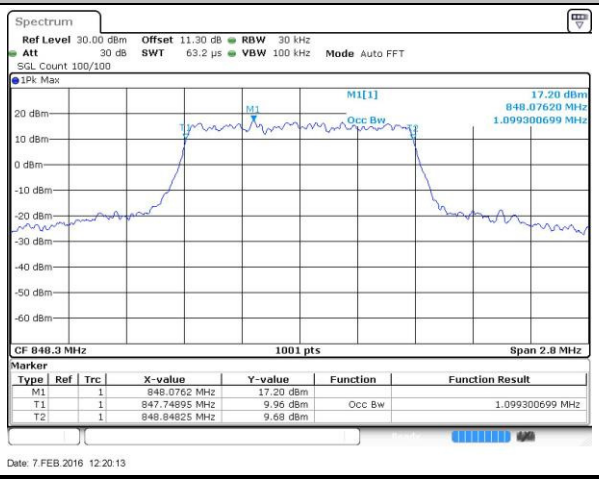

### Middle Channel / 1.4MHz / QPSK



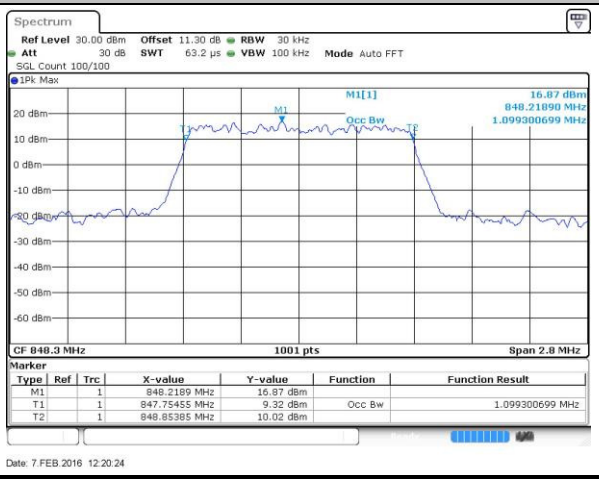

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

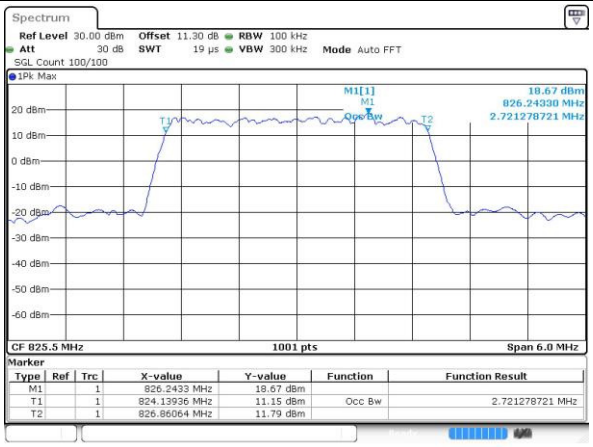



### Highest Channel / 1.4MHz / 16QAM

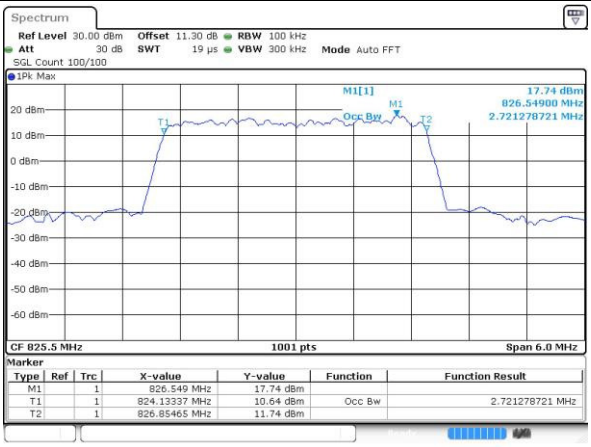


## LTE Band 5

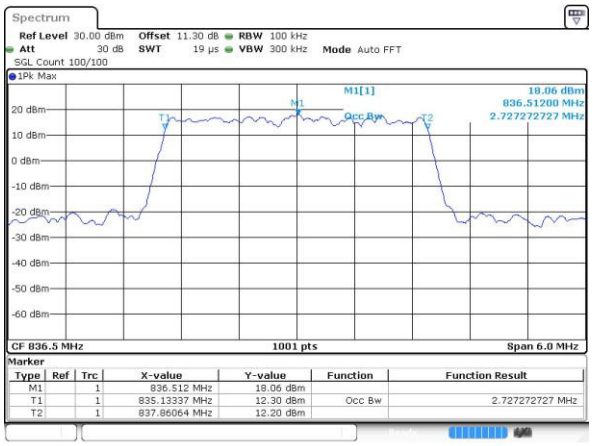
### Lowest Channel / 3MHz / QPSK



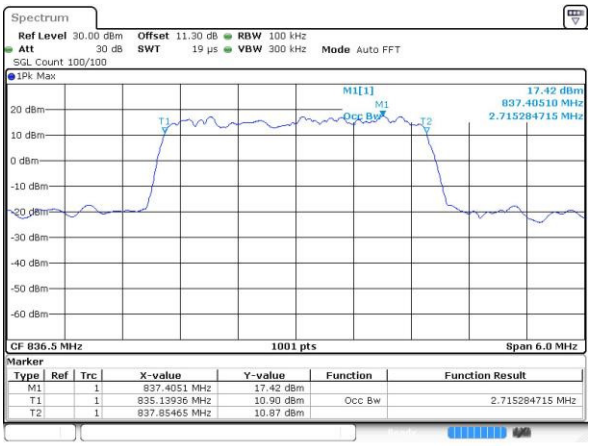

### Lowest Channel / 3MHz / 16QAM



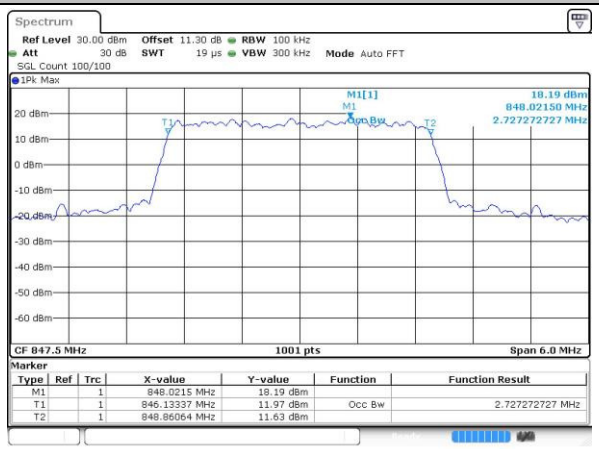

### Middle Channel / 3MHz / QPSK



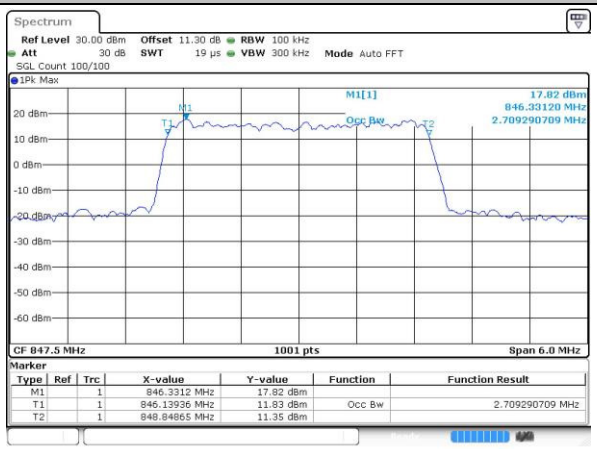

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

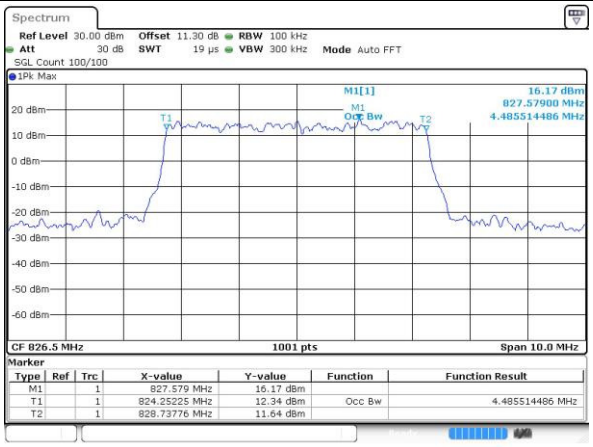



### Highest Channel / 3MHz / 16QAM



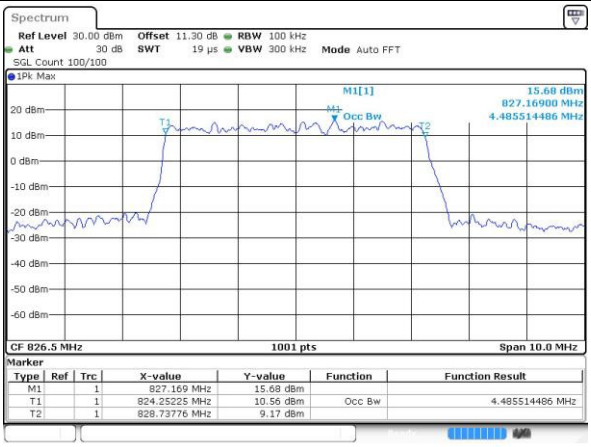
## LTE Band 5

### Lowest Channel / 5MHz / QPSK



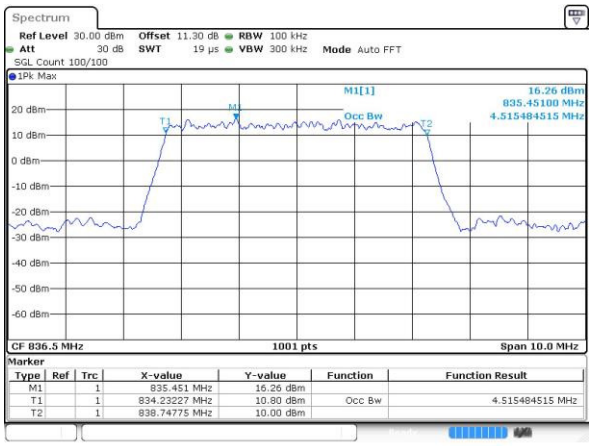

Date: 7.FEB.2016 11:07:58

### Lowest Channel / 5MHz / 16QAM



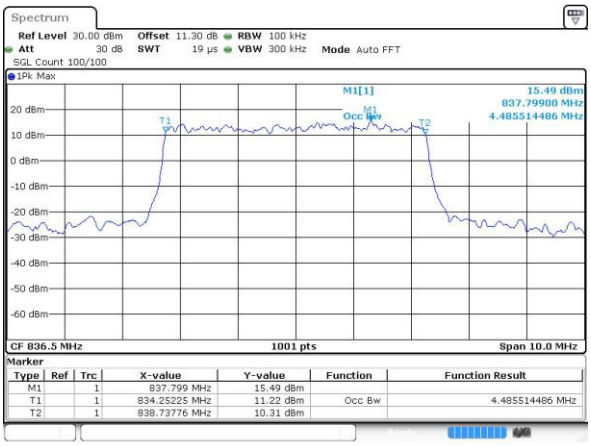

Date: 7.FEB.2016 11:08:08

### Middle Channel / 5MHz / QPSK



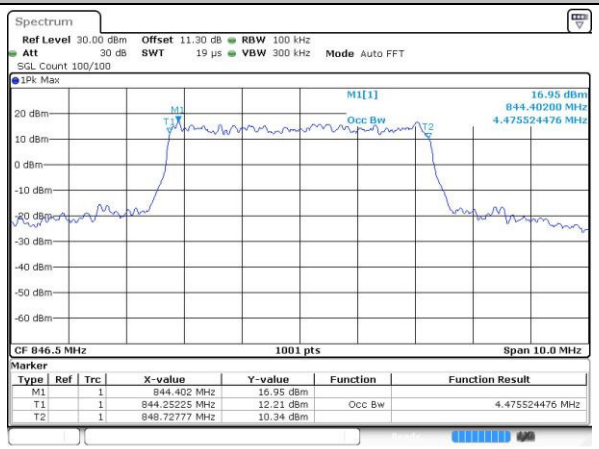

Date: 7.FEB.2016 11:18:39

### Middle Channel / 5MHz / 16QAM



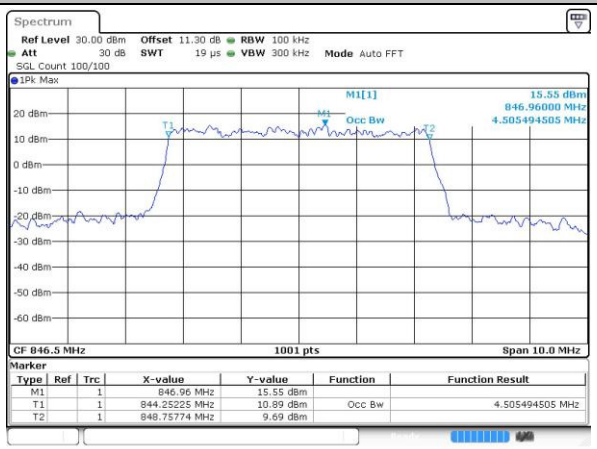

Date: 7.FEB.2016 11:18:50

### Highest Channel / 5MHz / QPSK




Date: 7.FEB.2016 11:21:10

### Highest Channel / 5MHz / 16QAM




Date: 7.FEB.2016 11:21:21