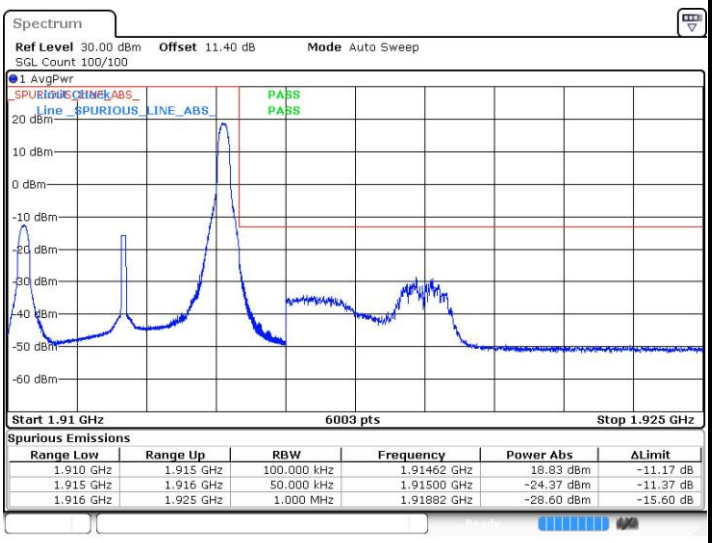
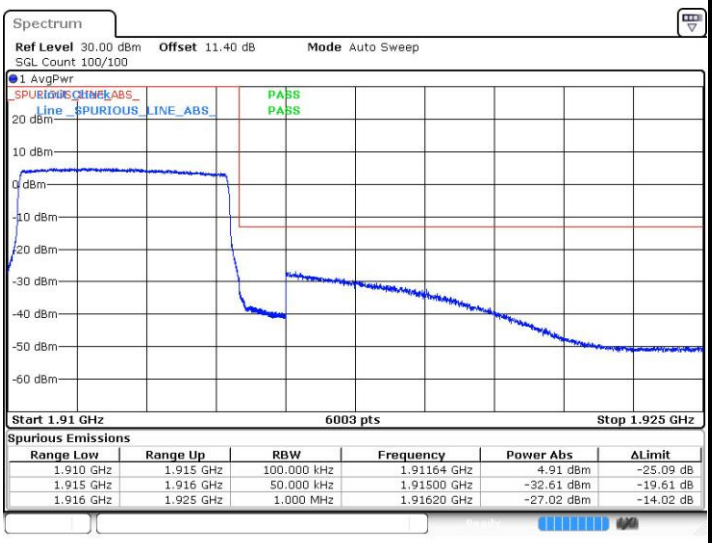
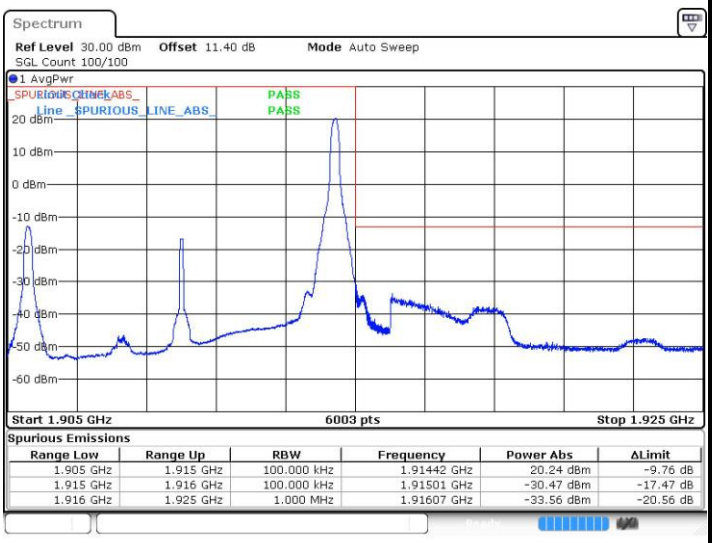
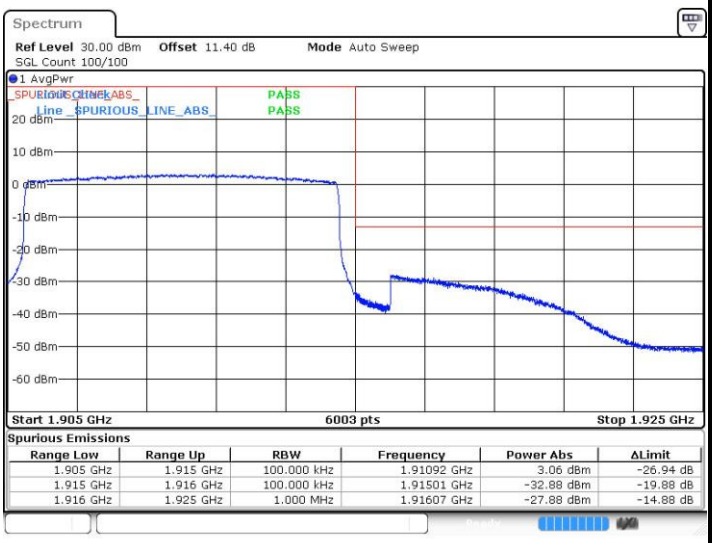
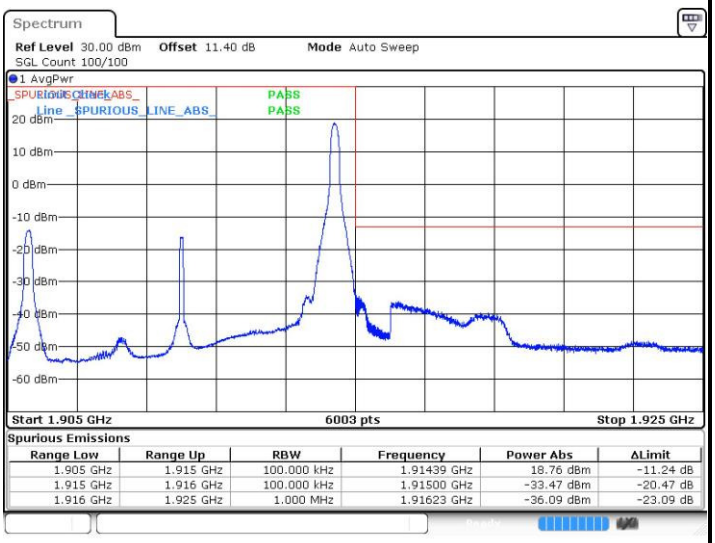
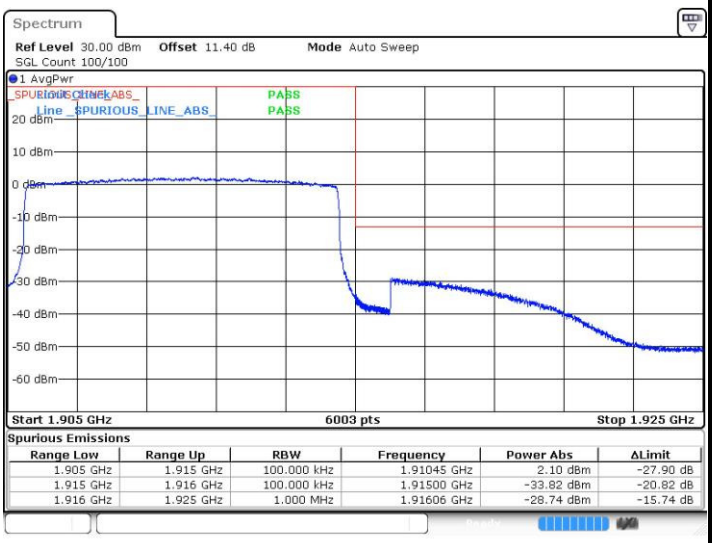
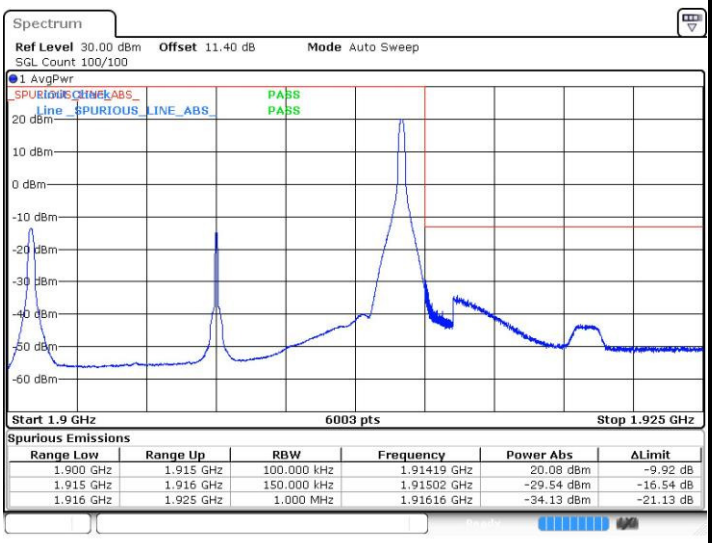
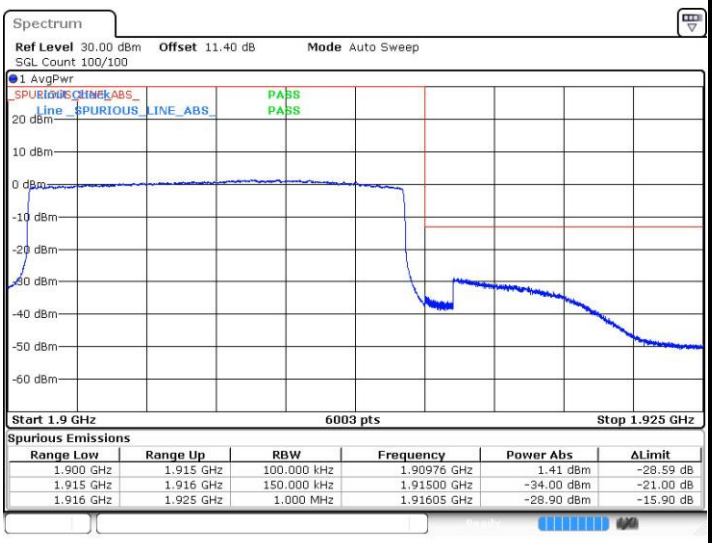
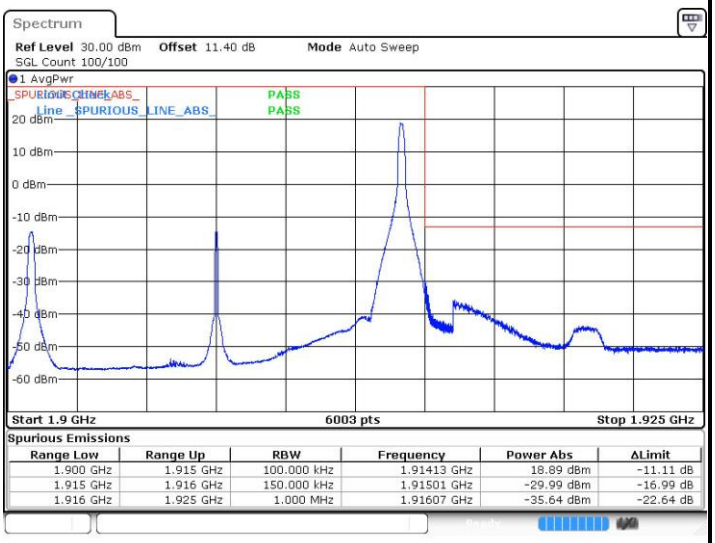
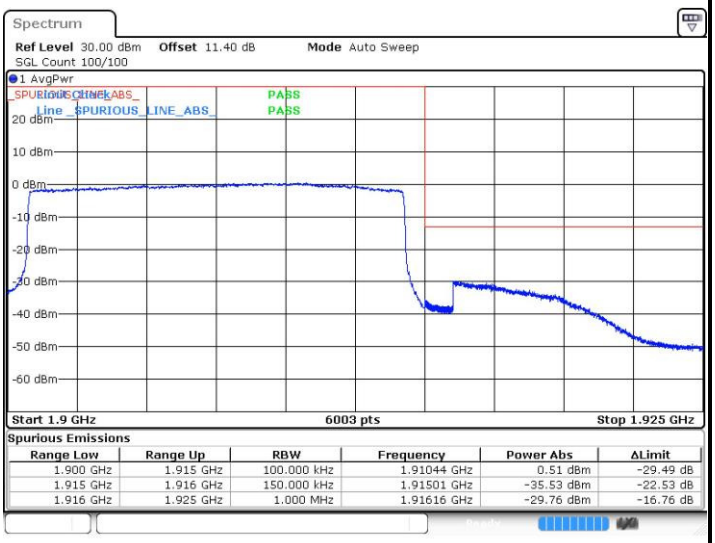
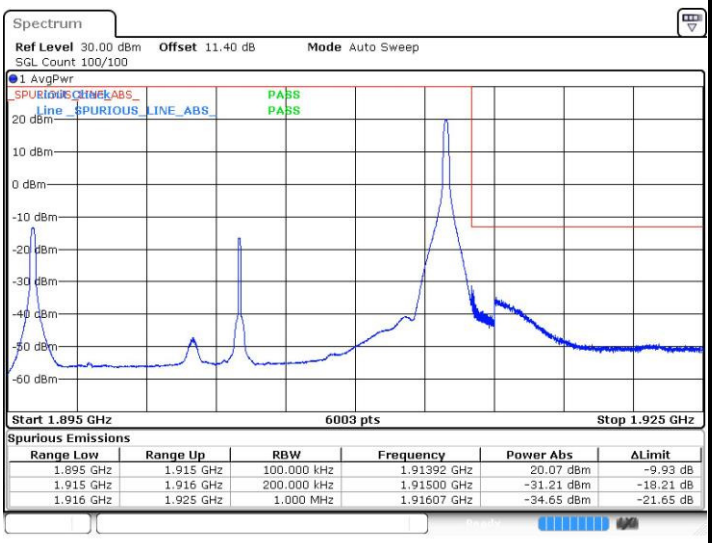
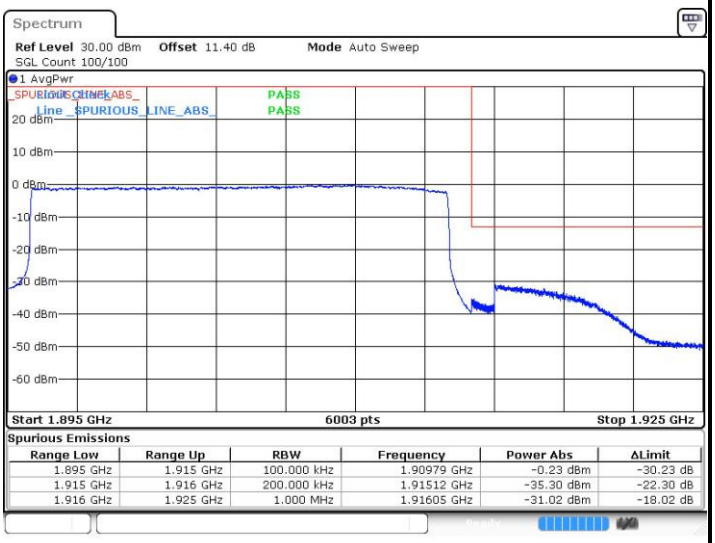
| LTE Band 25 / 5MHz / 16QAM | |
|---|---|
| | **Highest Band Edge / 1 RB** |
| |  |
| | **Highest Band Edge / Full RB** |
| |  |

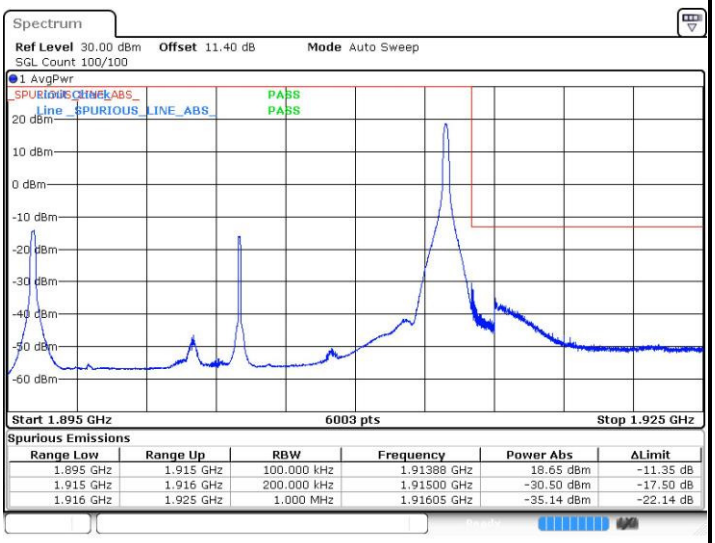
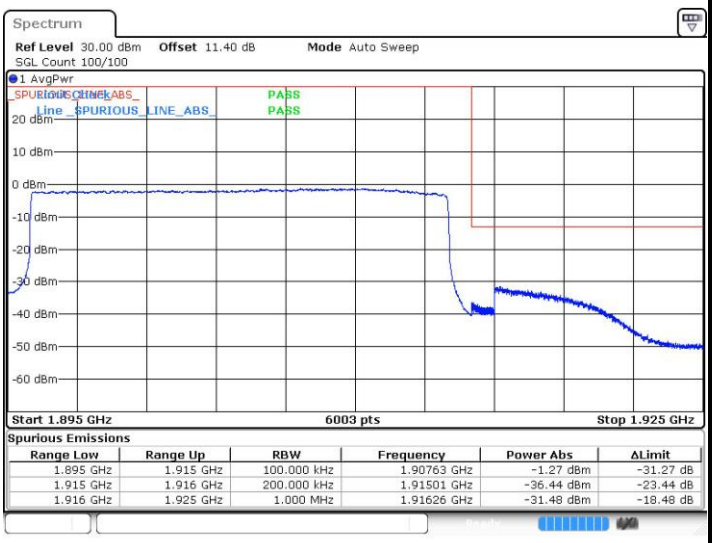
| LTE Band 25 / 10MHz / QPSK | |
|---|---|
| | **Highest Band Edge / 1 RB** |
| |  |
| | **Highest Band Edge / Full RB** |
| |  |

| LTE Band 25 / 10MHz / 16QAM | |
|---|---|
| | **Highest Band Edge / 1 RB** |
| |  |
| | **Highest Band Edge / Full RB** |
| |  |

| LTE Band 25 / 15MHz / QPSK | |
|---|---|
| | **Highest Band Edge / 1 RB** |
| |  |
| | **Highest Band Edge / Full RB** |
| |  |

| LTE Band 25 / 15MHz / 16QAM | |
|---|---|
| | **Highest Band Edge / 1 RB** |
| |  |
| | **Highest Band Edge / Full RB** |
| |  |

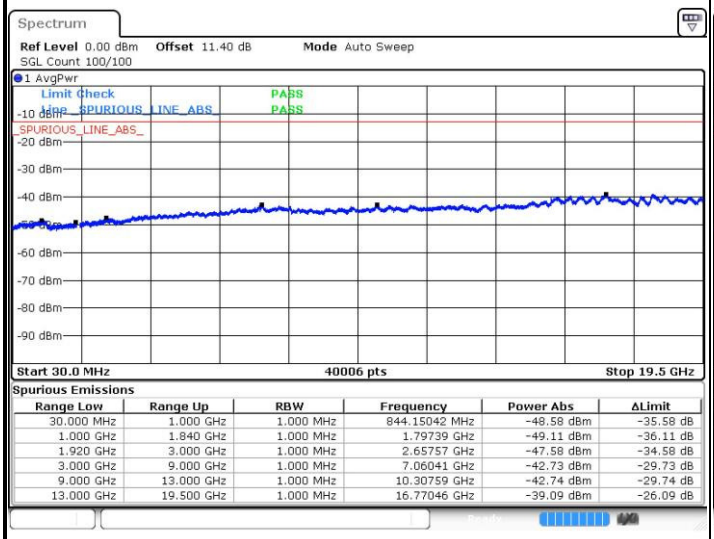
| LTE Band 25 / 20MHz / QPSK | |
|---|---|
| | **Highest Band Edge / 1 RB** |
|  | |
| | **Highest Band Edge / Full RB** |
|  | |

| LTE Band 25 / 20MHz / 16QAM | |
|---|---|
| | **Highest Band Edge / 1 RB** |
|  | |
| | **Highest Band Edge / Full RB** |
|  | |

# Conducted Spurious Emission

## LTE Band 25 / 1.4MHz

### Highest Channel / QPSK

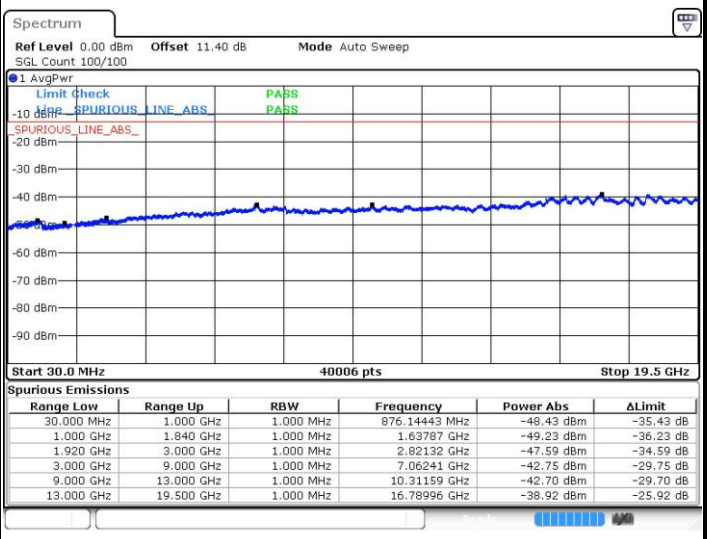



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 844.15042 MHz | -48.58 dBm | -35.58 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79739 GHz | -49.11 dBm | -36.11 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65757 GHz | -47.58 dBm | -34.58 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06041 GHz | -42.73 dBm | -29.73 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.30759 GHz | -42.74 dBm | -29.74 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.77046 GHz | -39.09 dBm | -26.09 dB |

Date: 27.MAR.2016 10:06:04

### Highest Channel / 16QAM



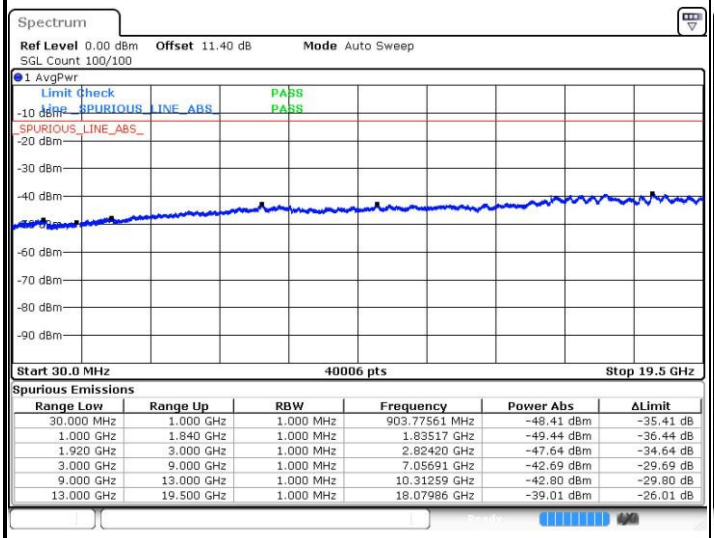

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 876.14443 MHz | -48.43 dBm | -35.43 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.63787 GHz | -49.23 dBm | -36.23 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.82132 GHz | -47.59 dBm | -34.59 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06241 GHz | -42.75 dBm | -29.75 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31159 GHz | -42.70 dBm | -29.70 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78996 GHz | -38.92 dBm | -25.92 dB |

Date: 27.MAR.2016 10:06:59

## LTE Band 25 / 3MHz

### Highest Channel / QPSK

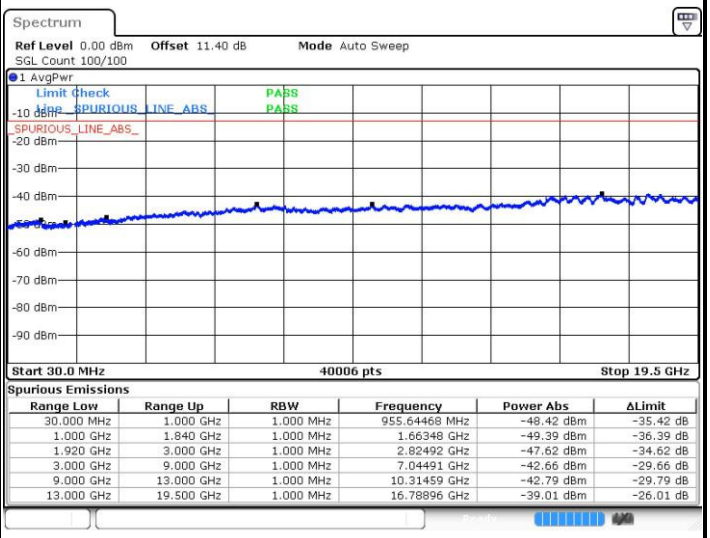



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 903.77561 MHz | -48.41 dBm | -35.41 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.83517 GHz | -49.44 dBm | -36.44 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.82420 GHz | -47.64 dBm | -34.64 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05691 GHz | -42.69 dBm | -29.69 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31259 GHz | -42.80 dBm | -29.80 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.07986 GHz | -39.01 dBm | -26.01 dB |

Date: 27.MAR.2016 09:27:11

### Highest Channel / 16QAM



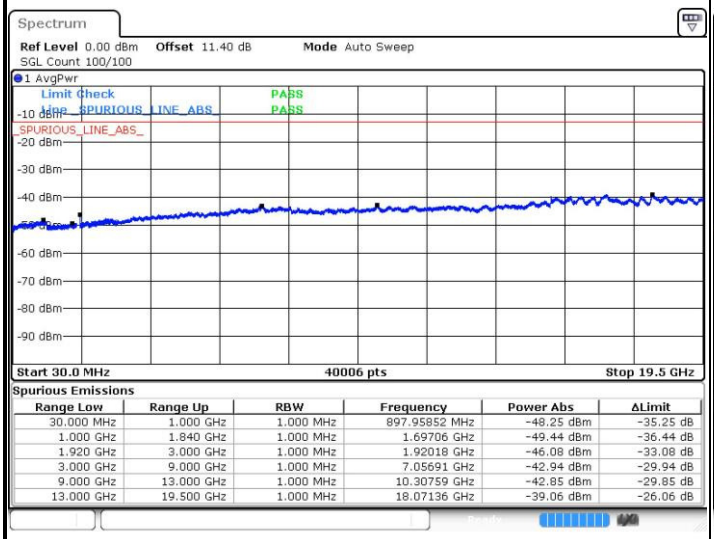

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 955.64468 MHz | -48.42 dBm | -35.42 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.66348 GHz | -49.39 dBm | -36.39 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.82492 GHz | -47.62 dBm | -34.62 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.04491 GHz | -42.66 dBm | -29.66 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31459 GHz | -42.79 dBm | -29.79 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78996 GHz | -39.01 dBm | -26.01 dB |

Date: 27.MAR.2016 09:28:05

## LTE Band 25 / 5MHz

### Highest Channel / QPSK

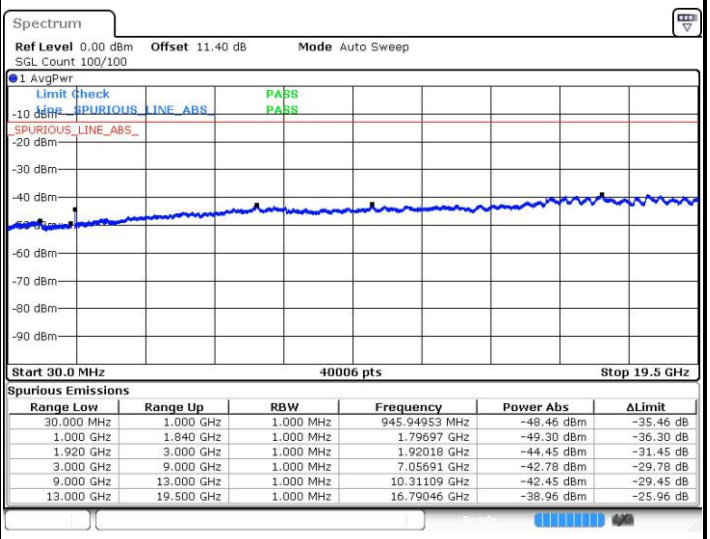



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 897.95852 MHz | -48.25 dBm | -35.25 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.69706 GHz | -49.44 dBm | -36.44 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -46.08 dBm | -33.08 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05691 GHz | -42.94 dBm | -29.94 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.30759 GHz | -42.85 dBm | -29.85 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.07136 GHz | -39.06 dBm | -26.06 dB |

Date: 27.MAR.2016 09:34:20

### Highest Channel / 16QAM



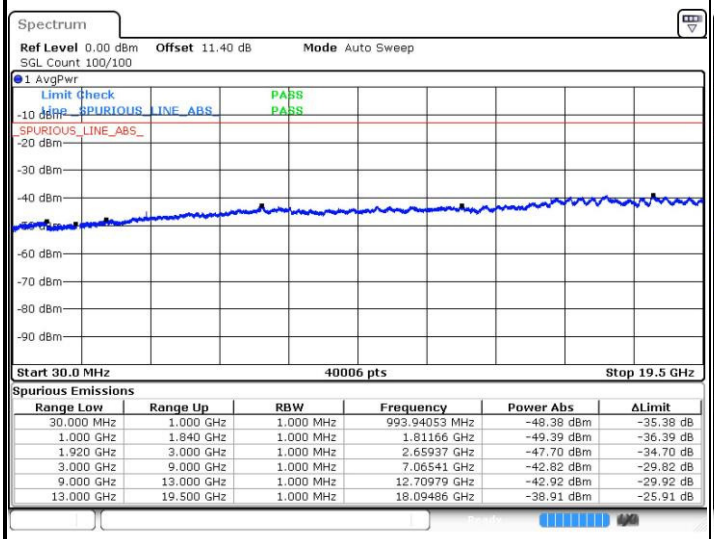

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 945.94953 MHz | -48.46 dBm | -35.46 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79697 GHz | -49.30 dBm | -36.30 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 1.92018 GHz | -44.45 dBm | -31.45 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05691 GHz | -42.78 dBm | -29.78 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31109 GHz | -42.45 dBm | -29.45 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79046 GHz | -38.96 dBm | -25.96 dB |

Date: 27.MAR.2016 09:35:15

## LTE Band 25 / 10MHz

### Highest Channel / QPSK

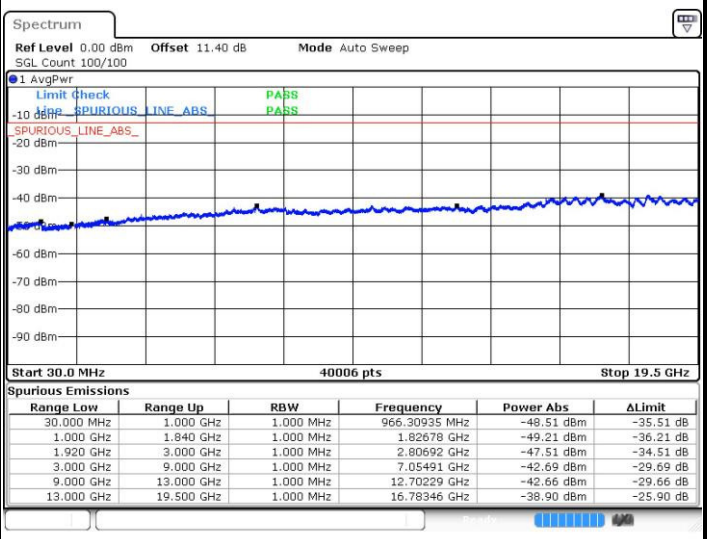



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 993.94053 MHz | -48.38 dBm | -35.38 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.81166 GHz | -49.39 dBm | -36.39 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65937 GHz | -47.70 dBm | -34.70 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06541 GHz | -42.82 dBm | -29.82 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70979 GHz | -42.92 dBm | -29.92 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.09486 GHz | -38.91 dBm | -25.91 dB |

Date: 27.MAR.2016 09:41:29

### Highest Channel / 16QAM



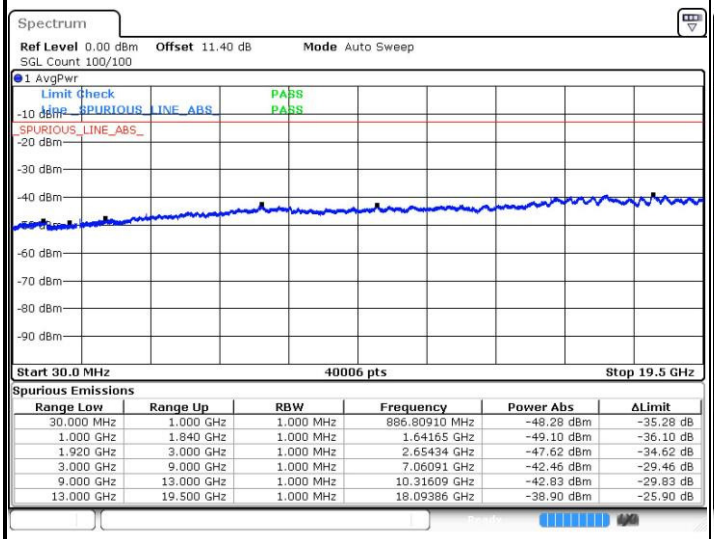

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 966.30935 MHz | -48.51 dBm | -35.51 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.82678 GHz | -49.21 dBm | -36.21 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.80692 GHz | -47.51 dBm | -34.51 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05491 GHz | -42.69 dBm | -29.69 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70229 GHz | -42.66 dBm | -29.66 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.78346 GHz | -38.90 dBm | -25.90 dB |

Date: 27.MAR.2016 09:42:24

## LTE Band 25 / 15MHz

### Highest Channel / QPSK

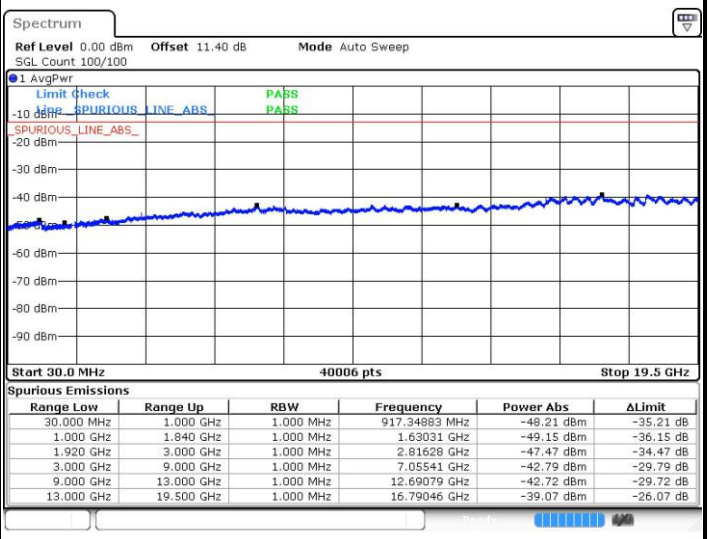



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 886.80910 MHz | -48.28 dBm | -35.28 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.64165 GHz | -49.10 dBm | -36.10 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65434 GHz | -47.62 dBm | -34.62 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06091 GHz | -42.46 dBm | -29.46 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31609 GHz | -42.83 dBm | -29.83 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.09386 GHz | -38.90 dBm | -25.90 dB |

Date: 27.MAR.2016 09:48:38

### Highest Channel / 16QAM



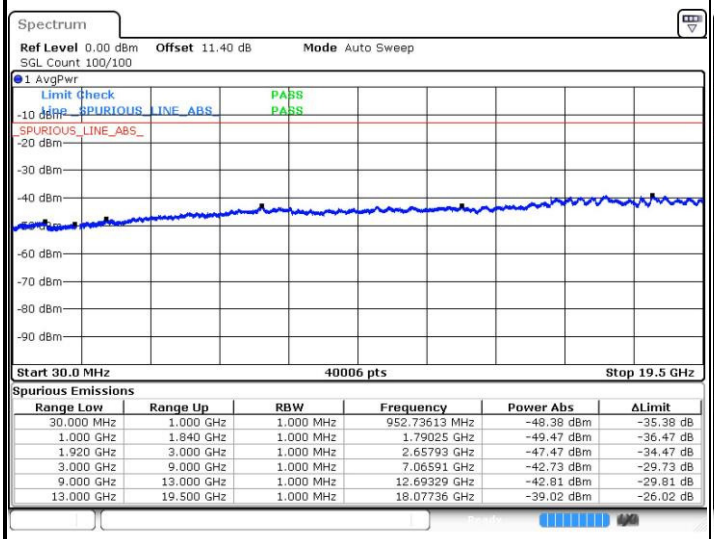

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 917.34883 MHz | -48.21 dBm | -35.21 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.63031 GHz | -49.15 dBm | -36.15 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.81628 GHz | -47.47 dBm | -34.47 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.05541 GHz | -42.79 dBm | -29.79 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69079 GHz | -42.72 dBm | -29.72 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79046 GHz | -39.07 dBm | -26.07 dB |

Date: 27.MAR.2016 09:49:33

## LTE Band 25 / 20MHz

### Highest Channel / QPSK

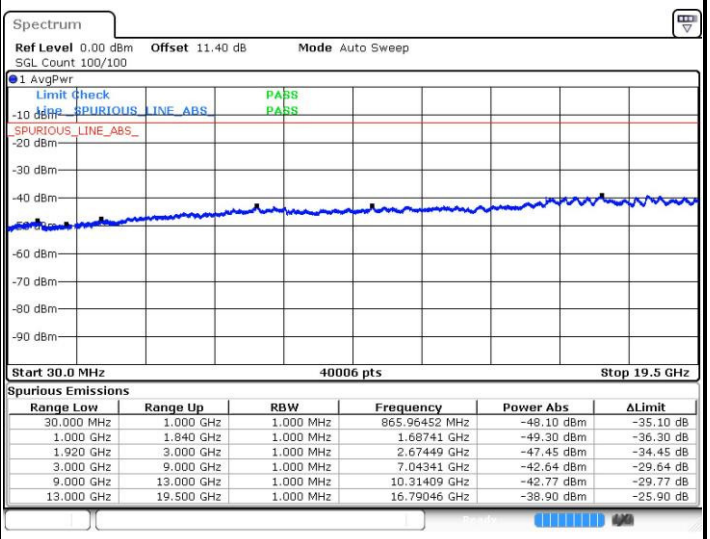



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 952.73613 MHz | -48.38 dBm | -35.38 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.79025 GHz | -49.47 dBm | -36.47 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.65793 GHz | -47.47 dBm | -34.47 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.06591 GHz | -42.73 dBm | -29.73 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69329 GHz | -42.81 dBm | -29.81 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 18.07736 GHz | -39.02 dBm | -26.02 dB |

Date: 27.MAR.2016 09:55:47

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 865.96452 MHz | -48.10 dBm | -35.10 dB |
| 1.000 GHz | 1.840 GHz | 1.000 MHz | 1.68741 GHz | -49.30 dBm | -36.30 dB |
| 1.920 GHz | 3.000 GHz | 1.000 MHz | 2.67449 GHz | -47.45 dBm | -34.45 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.04341 GHz | -42.64 dBm | -29.64 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.31409 GHz | -42.77 dBm | -29.77 dB |
| 13.000 GHz | 19.500 GHz | 1.000 MHz | 16.79046 GHz | -38.90 dBm | -25.90 dB |

Date: 27.MAR.2016 09:56:42

# 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 | 0.0003 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0063 | |
| 0 | Normal Voltage | 0.0068 | |
| -10 | Normal Voltage | 0.0071 | |
| -20 | Normal Voltage | 0.0003 | |
| -30 | Normal Voltage | 0.0002 | |
| 20 | Maximum Voltage | 0.0001 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0065 | |

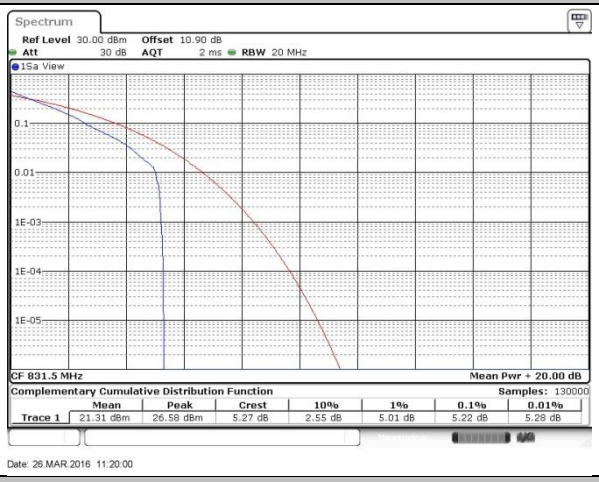
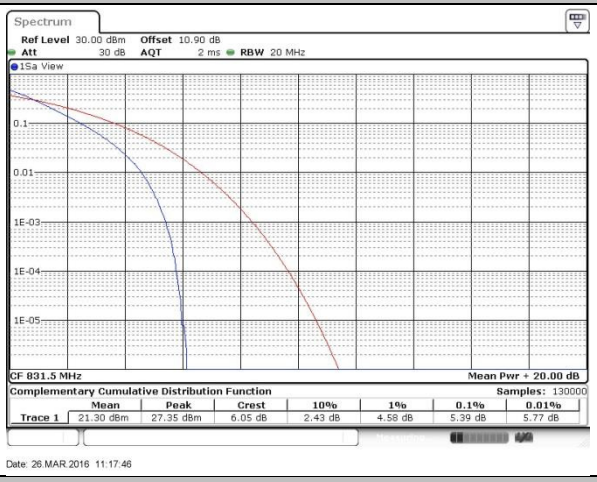
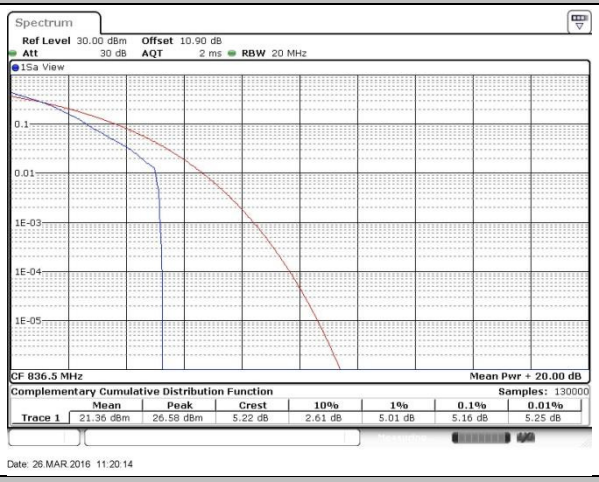
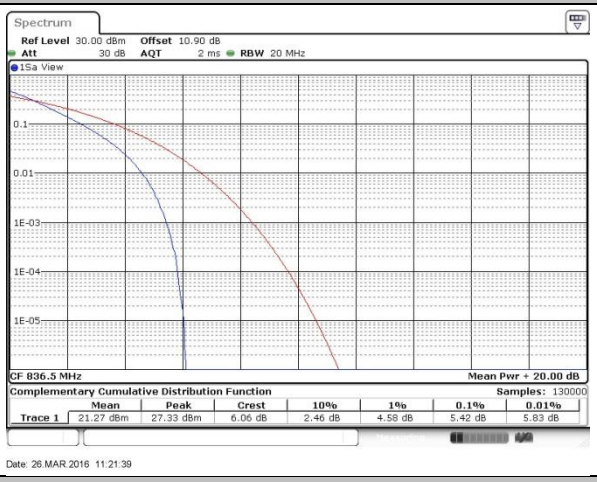
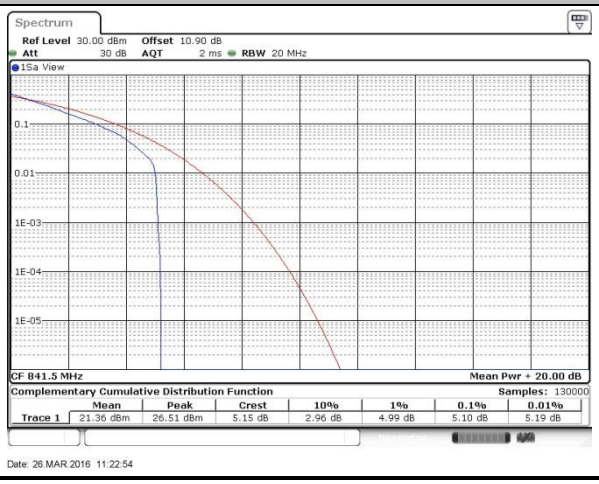
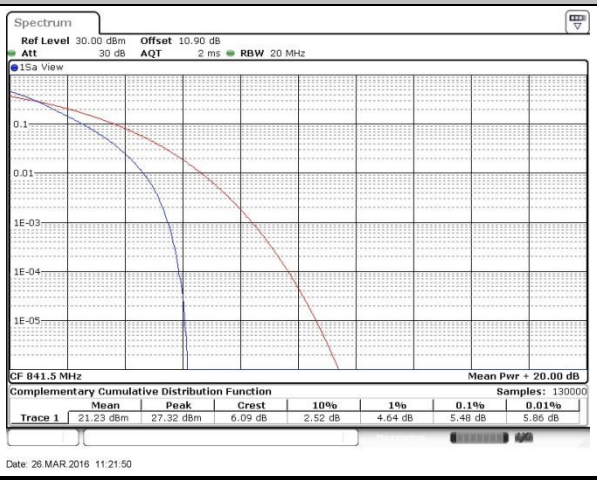
**Note:**

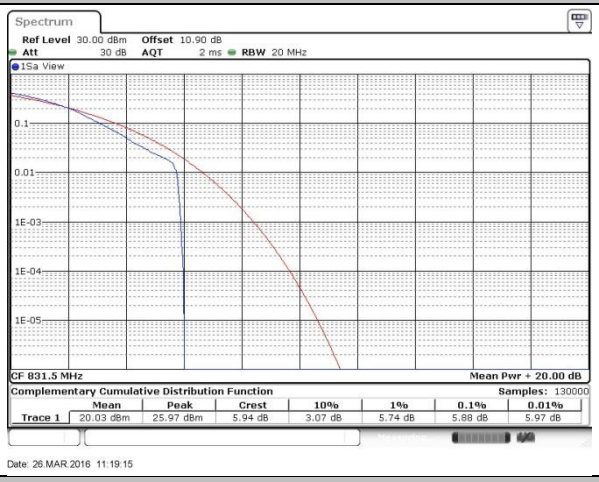
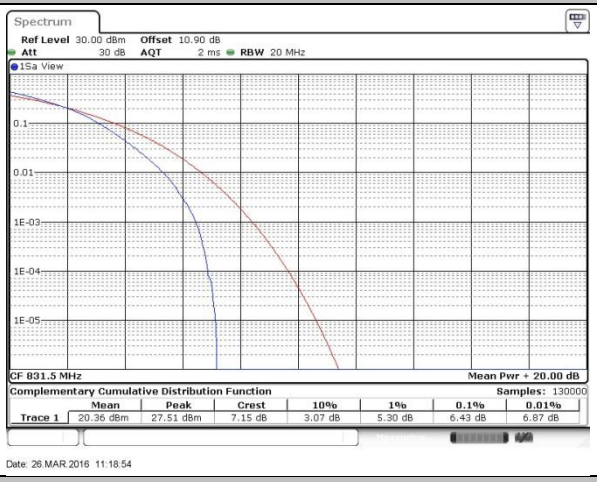
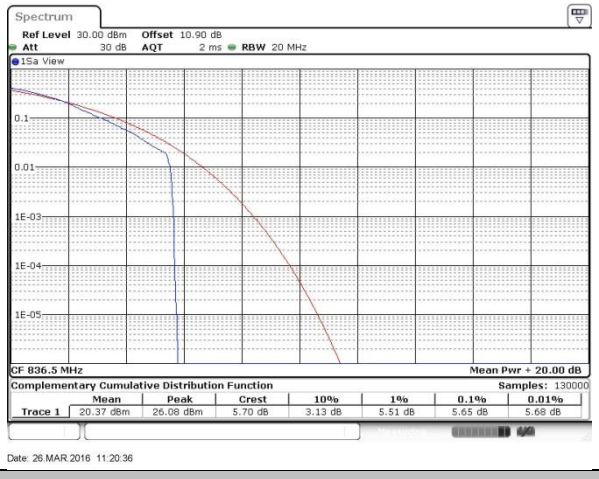
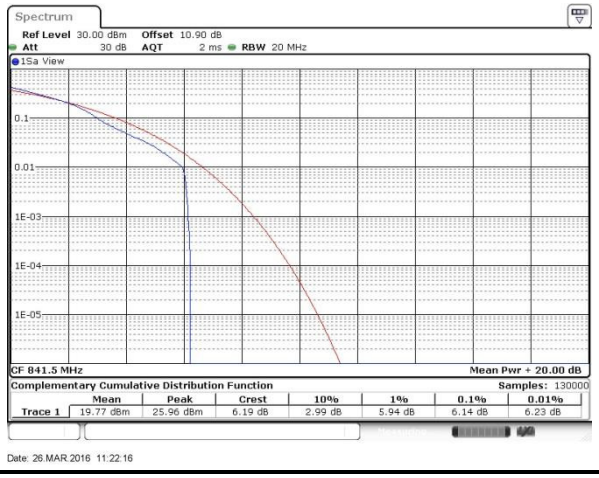
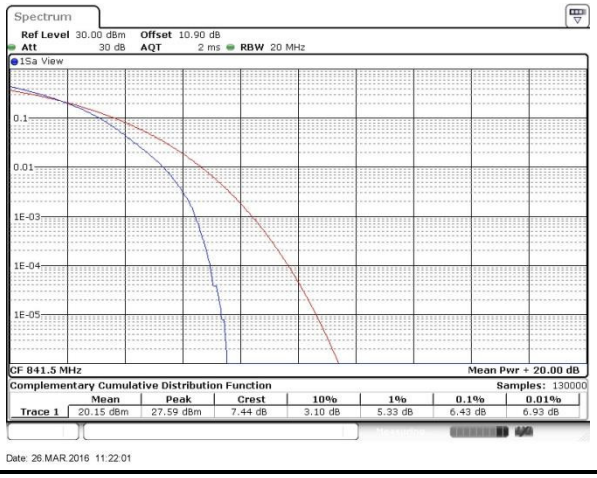
1. Normal Voltage = 3.8 V. ；Battery End Point (BEP) = 3.2 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# LTE Band 26_Part 22H

## Peak-to-Average Ratio

| Mode | LTE Band 26 / 15MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 5.22 | 5.39 | 5.88 | 6.43 | PASS |
| Middle CH | 5.16 | 5.42 | 5.65 | 6.43 | |
| Highest CH | 5.1 | 5.48 | 6.14 | 6.43 | |

| LTE Band 26 / 15MHz / QPSK | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

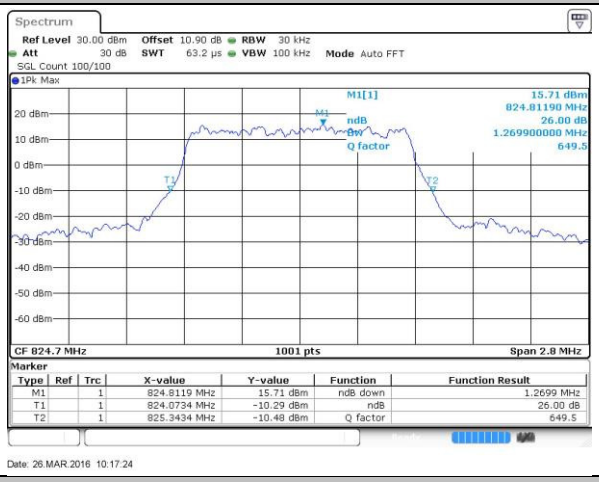
| LTE Band 26 / 15MHz / 16QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  | |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

# 26dB Bandwidth

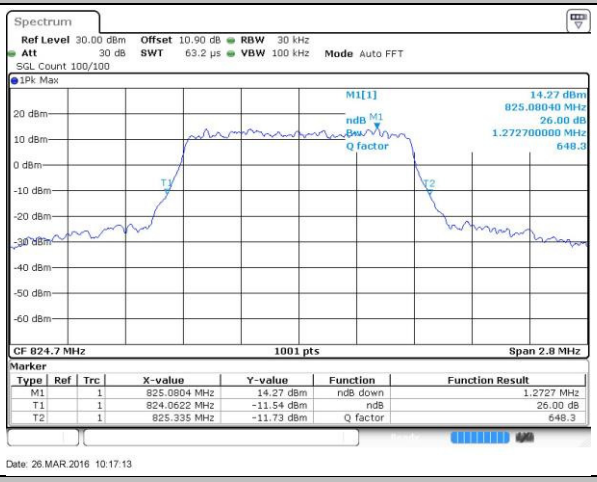
| Mode | LTE Band 26 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.27 | 1.27 | 3.01 | 3.03 | 4.92 | 4.79 | 9.71 | 9.71 | 14.27 | 14.3 | - | - |
| Middle CH | 1.28 | 1.27 | 2.98 | 3.05 | 4.89 | 4.84 | 10.01 | 9.73 | 14.18 | 14.15 | - | - |
| Highest CH | 1.3 | 1.24 | 2.96 | 3.01 | 4.92 | 4.86 | 9.87 | 9.65 | 14.3 | 14.27 | - | - |

## LTE Band 26

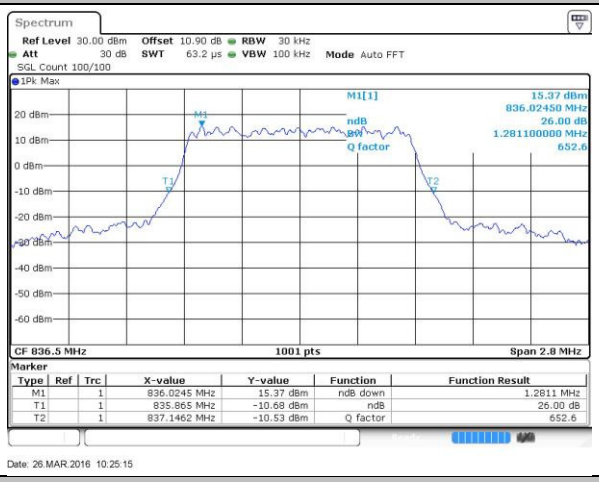
### Lowest Channel / 1.4MHz / QPSK



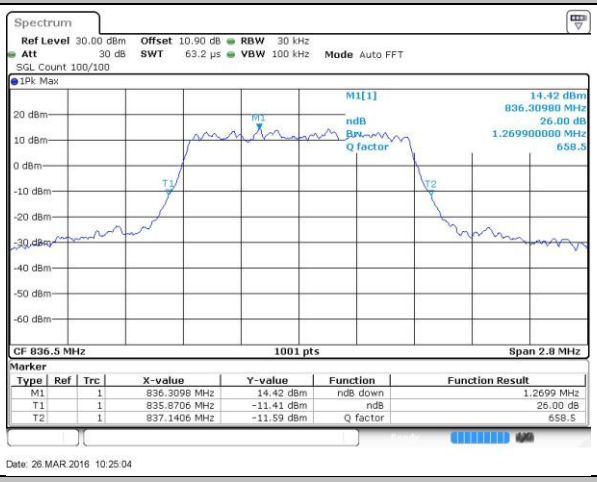

### Lowest Channel / 1.4MHz / 16QAM



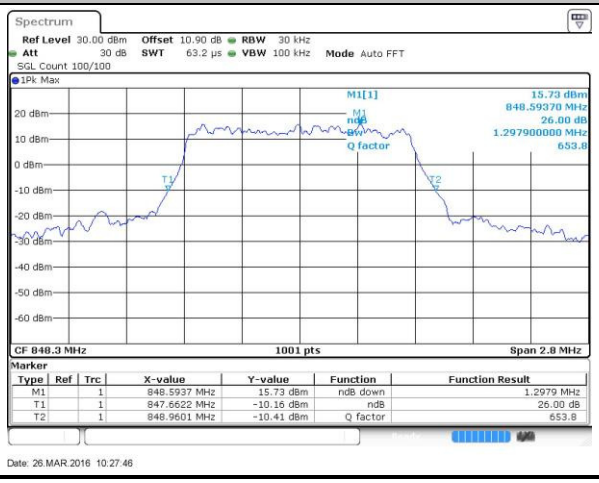

### Middle Channel / 1.4MHz / QPSK



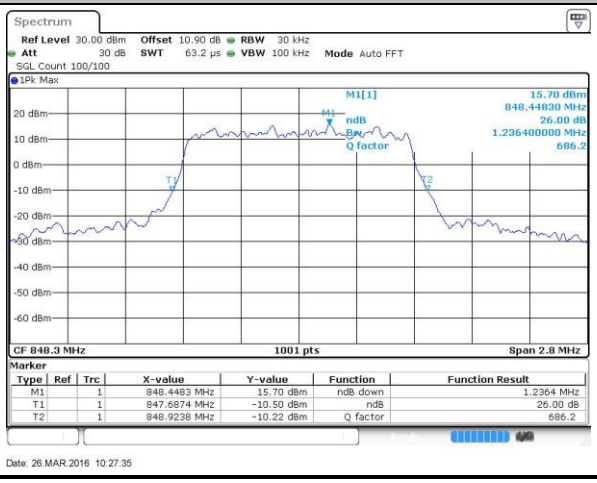

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

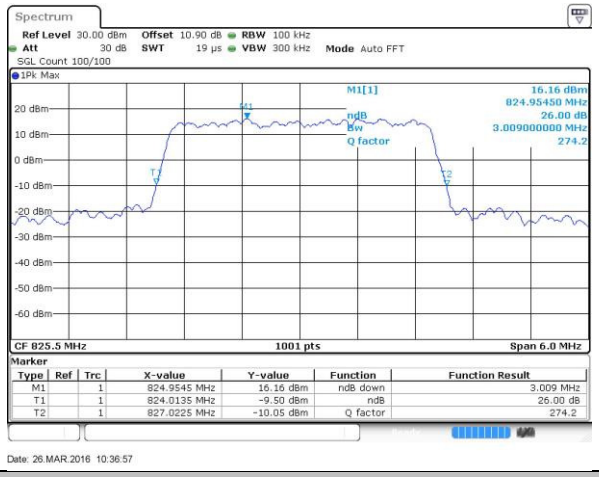



### Highest Channel / 1.4MHz / 16QAM

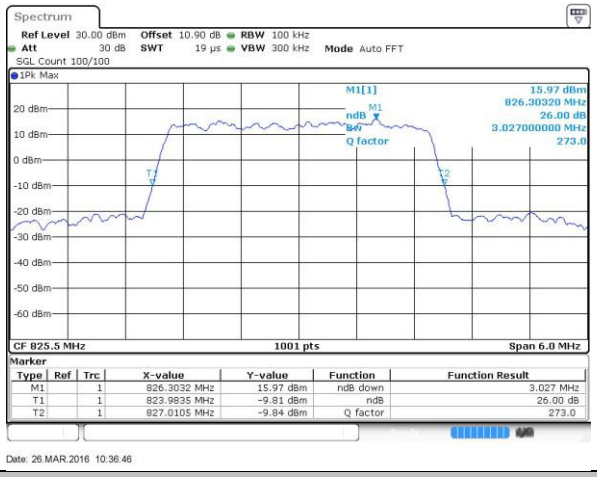


## LTE Band 26

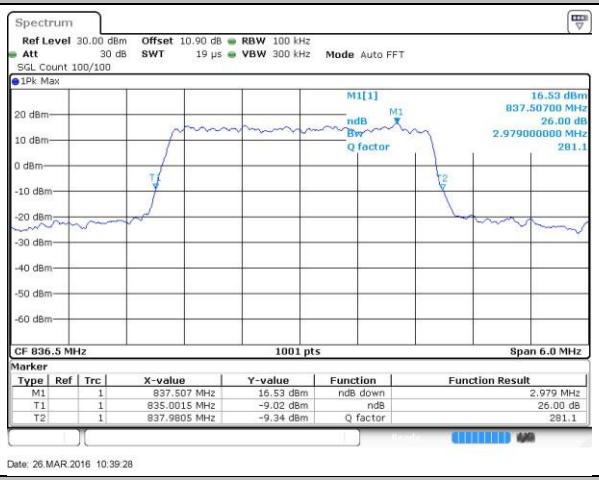
### Lowest Channel / 3MHz / QPSK



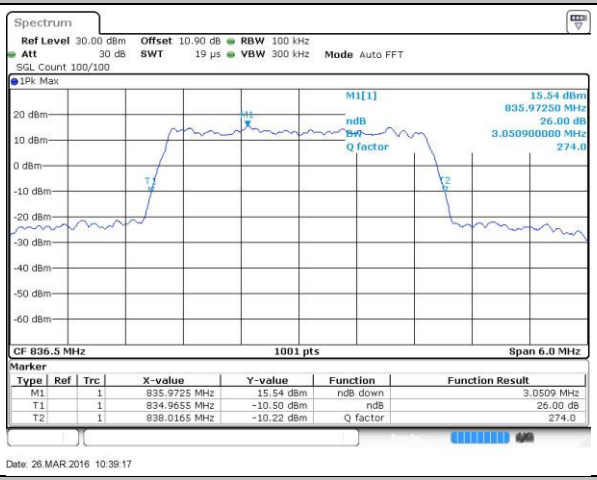

### Lowest Channel / 3MHz / 16QAM



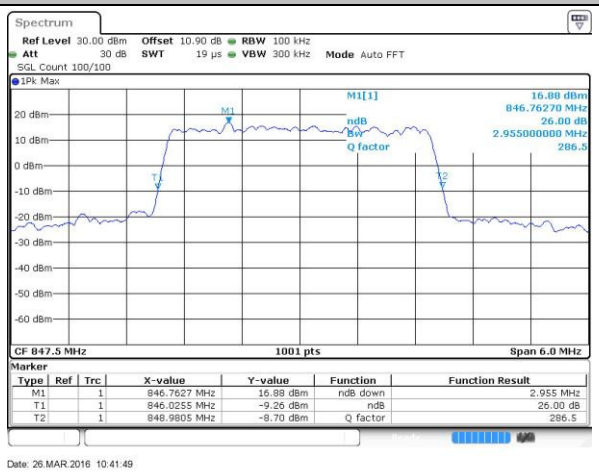

### Middle Channel / 3MHz / QPSK



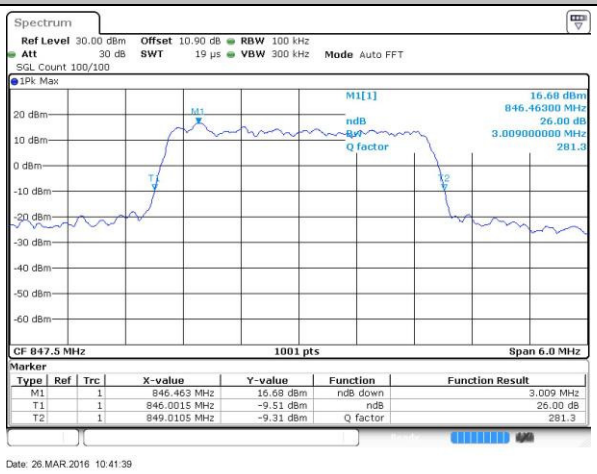

### Middle Channel /3MHz / 16QAM




### Highest Channel /3MHz / QPSK

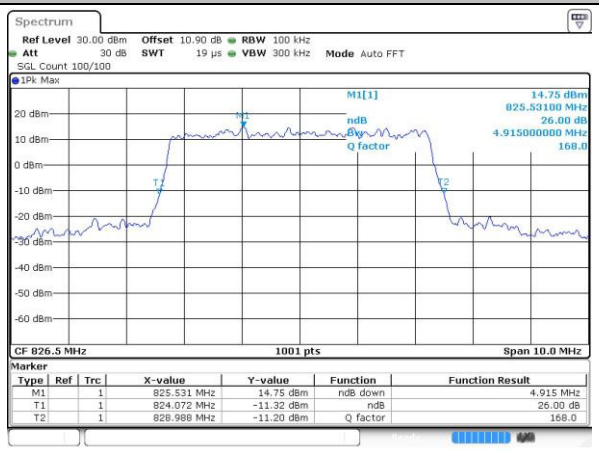



### Highest Channel /3MHz / 16QAM

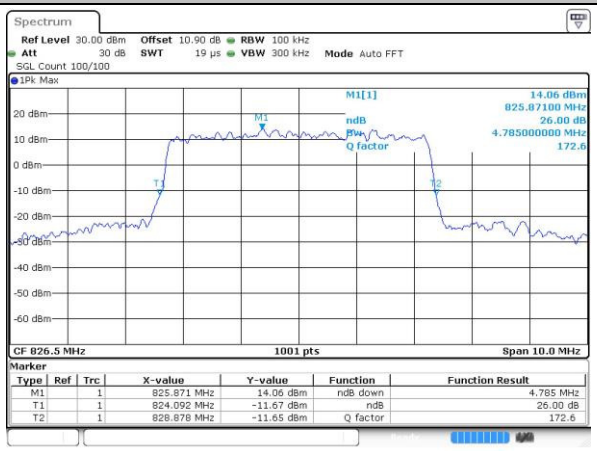


## LTE Band 26

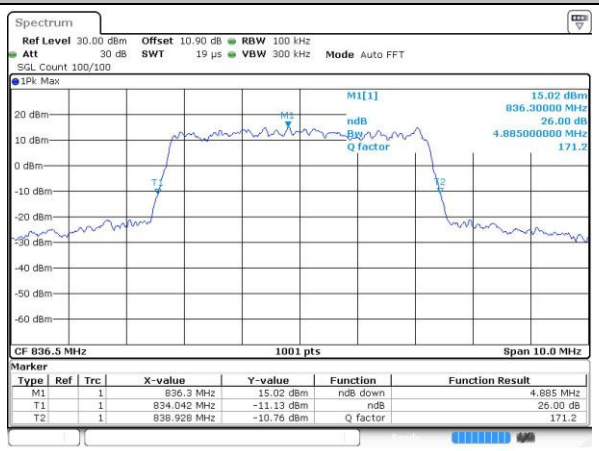
### Lowest Channel / 5MHz / QPSK



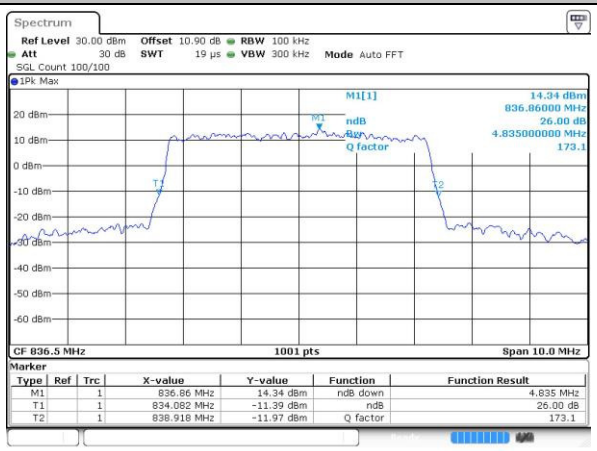

### Lowest Channel / 5MHz / 16QAM



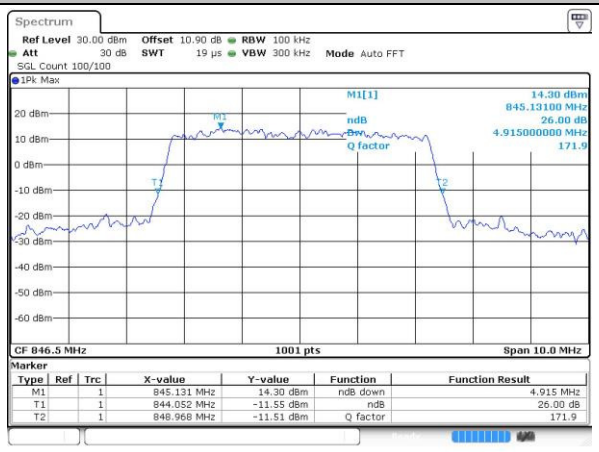

### Middle Channel / 5MHz / QPSK



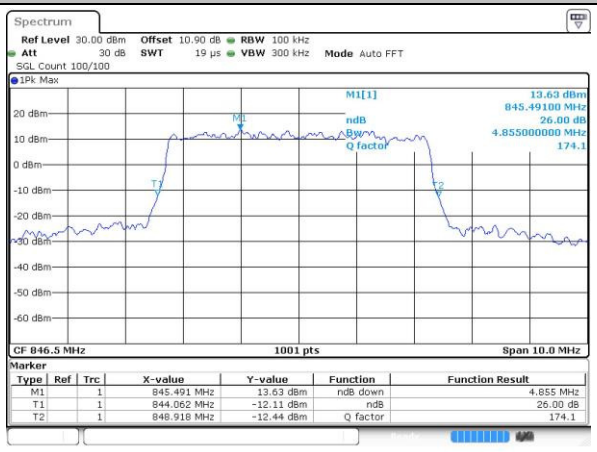

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

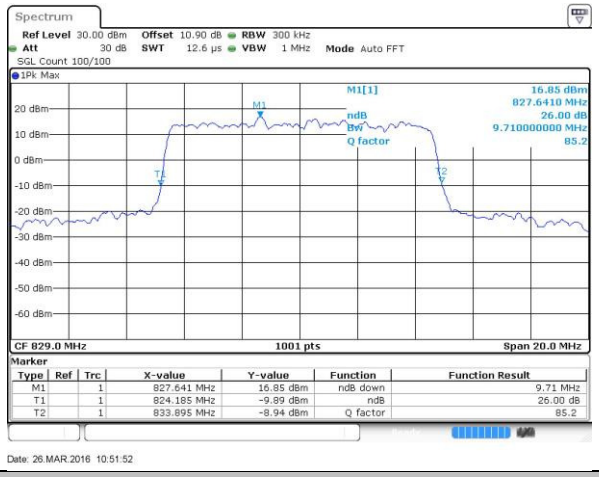



### Highest Channel / 5MHz / 16QAM

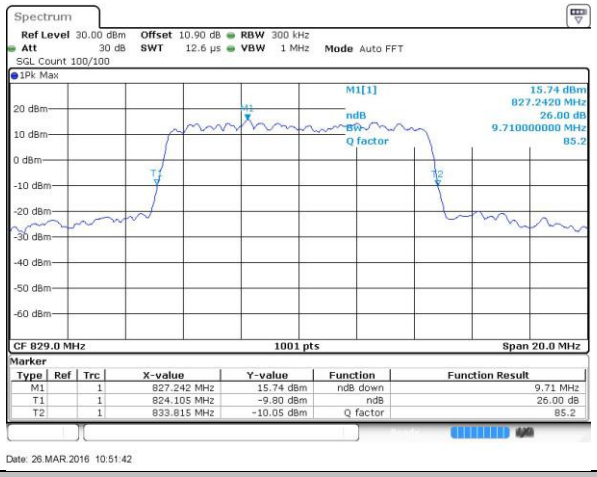


## LTE Band 26

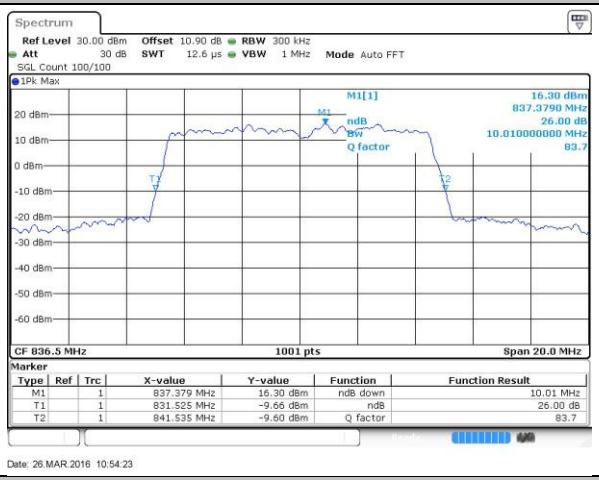
### Lowest Channel / 10MHz / QPSK



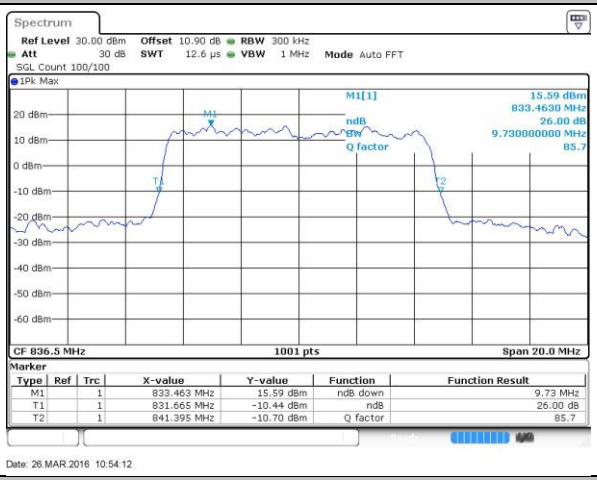

### Lowest Channel / 10MHz / 16QAM



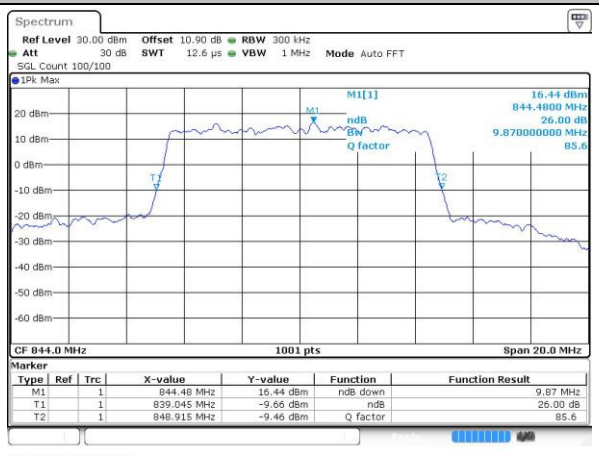

### Middle Channel / 10MHz / QPSK



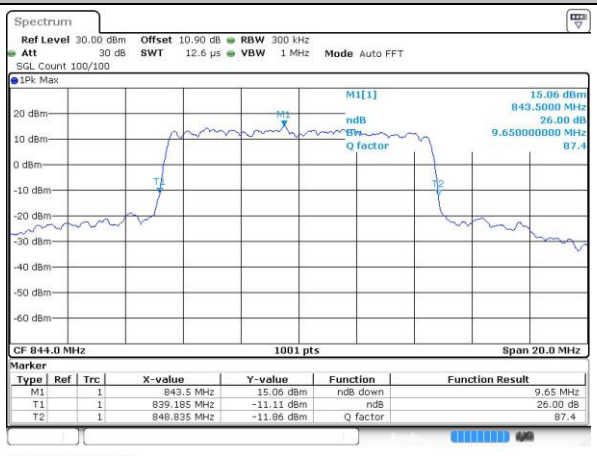

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

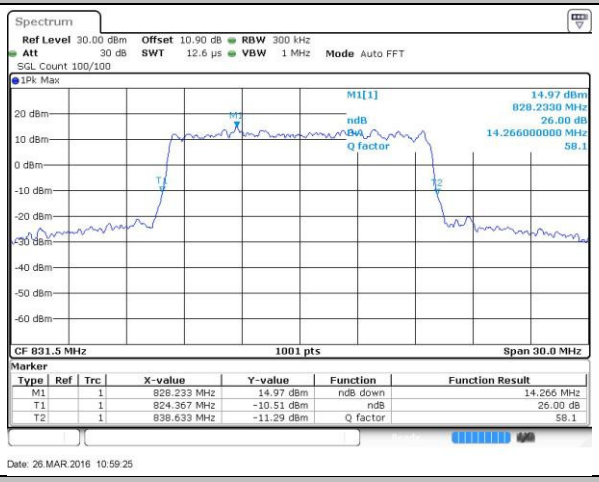



### Highest Channel / 10MHz / 16QAM

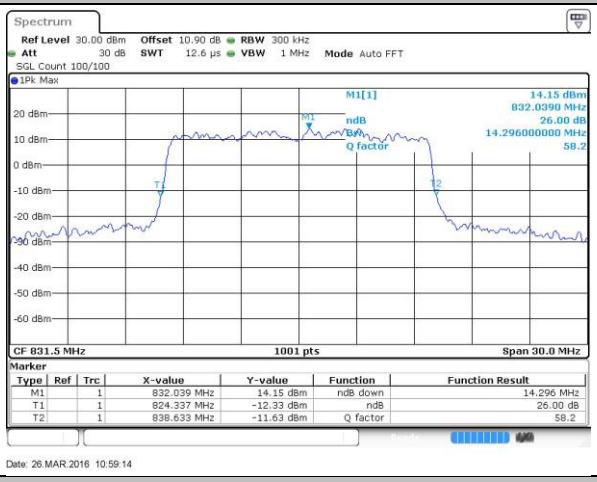


## LTE Band 26

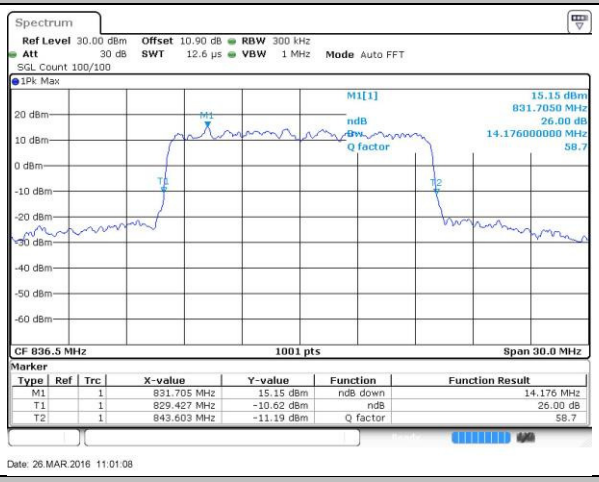
### Lowest Channel / 15MHz / QPSK



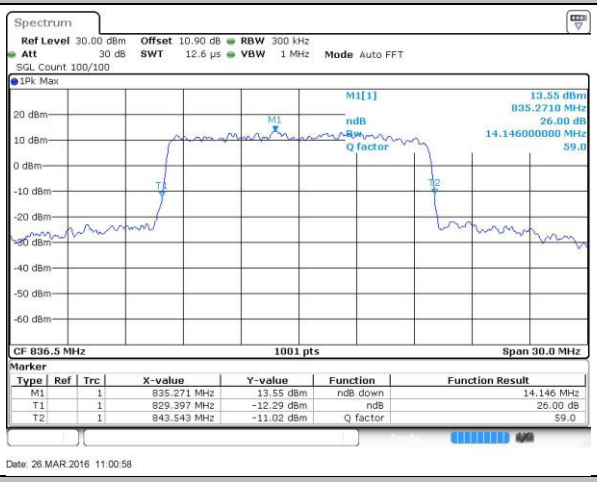

### Lowest Channel / 15MHz / 16QAM



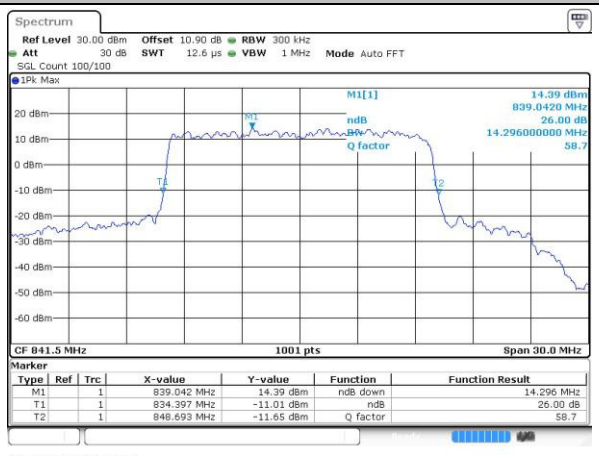

### Middle Channel / 15MHz / QPSK



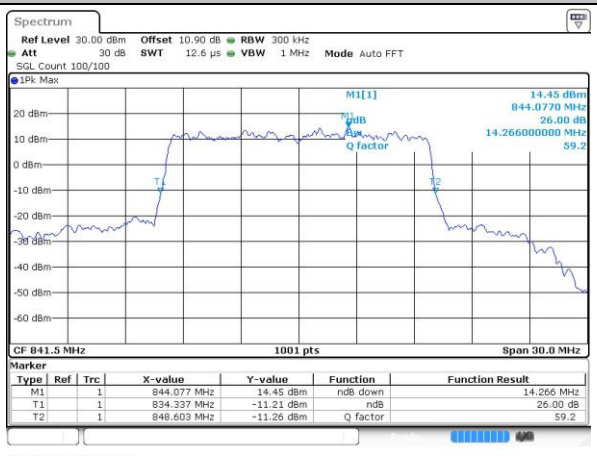

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK




### Highest Channel / 15MHz / 16QAM

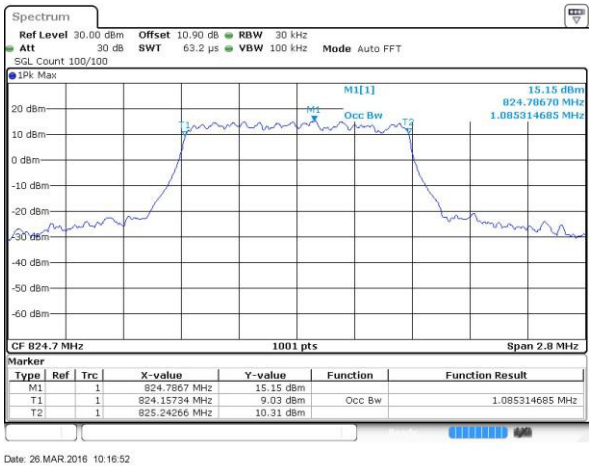


# Occupied Bandwidth

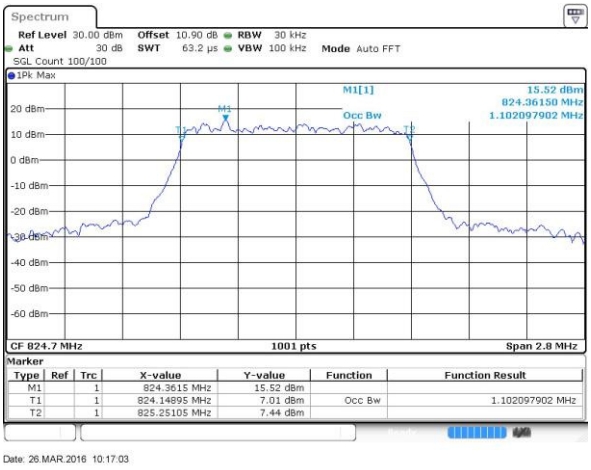
| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.1 | 2.73 | 2.71 | 4.47 | 4.48 | 9.01 | 9.03 | 13.37 | 13.4 | - | - |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.7 | 4.48 | 4.47 | 9.07 | 9.01 | 13.43 | 13.43 | - | - |
| Highest CH | 1.1 | 1.09 | 2.72 | 2.72 | 4.48 | 4.5 | 8.97 | 8.97 | 13.4 | 13.37 | - | - |

## LTE Band 26

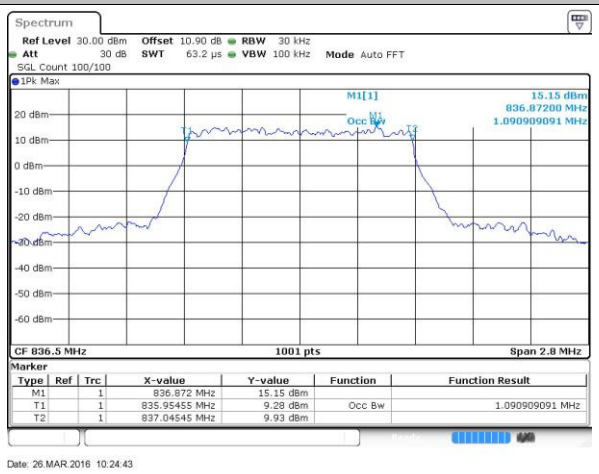
### Lowest Channel / 1.4MHz / QPSK



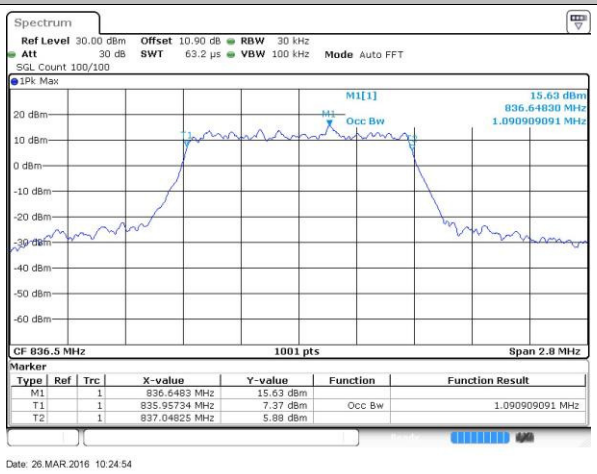

### Lowest Channel / 1.4MHz / 16QAM



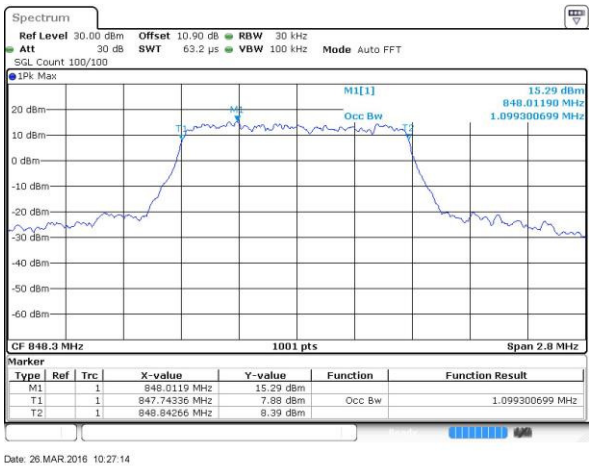

### Middle Channel / 1.4MHz / QPSK

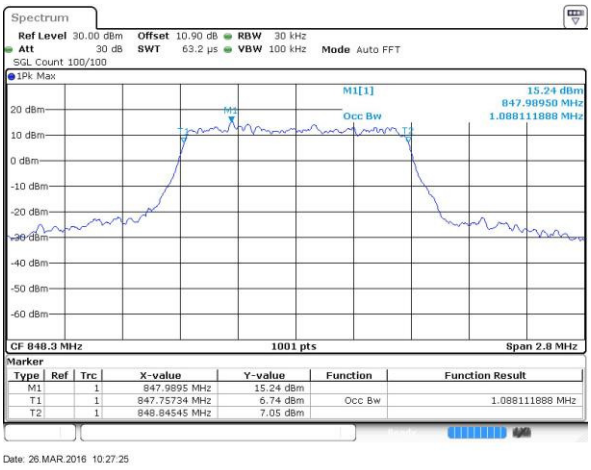



### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK




### Highest Channel / 1.4MHz / 16QAM