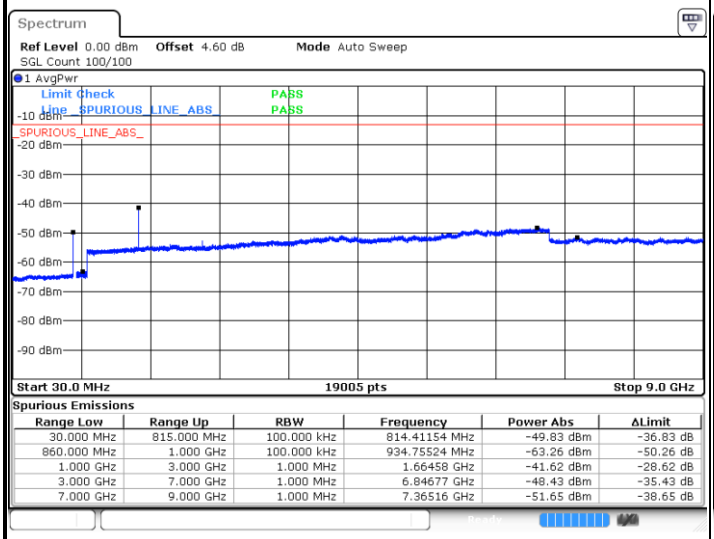
## LTE Band 5 / 10MHz

### Middle Channel / QPSK

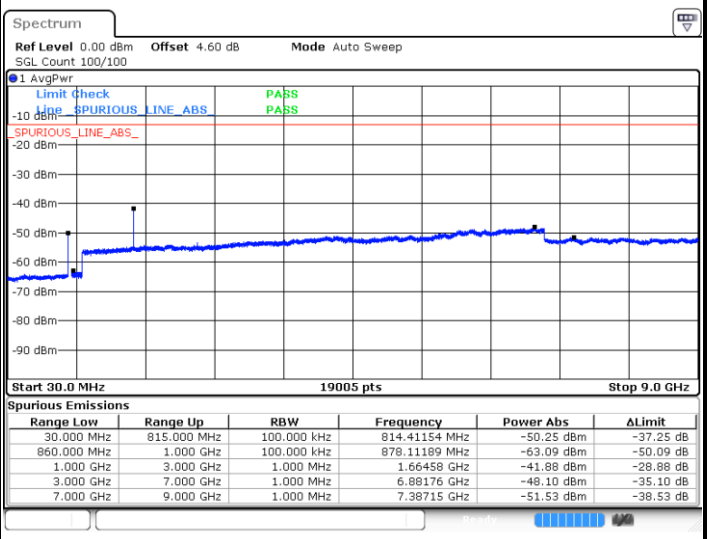



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -49.83 dBm | -36.83 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 934.75524 MHz | -63.26 dBm | -50.26 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -41.62 dBm | -28.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84677 GHz | -48.43 dBm | -35.43 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.36516 GHz | -51.65 dBm | -38.65 dB |

Date: 27.NOV.2019 09:09:21

### Middle Channel / 16QAM

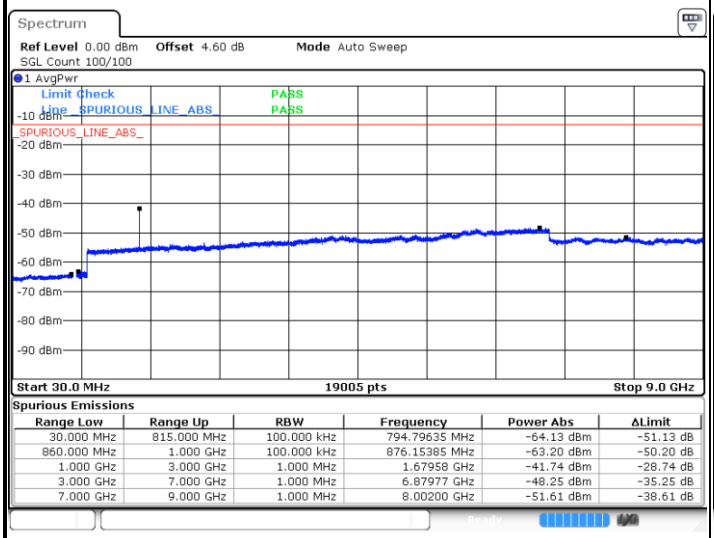



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -50.25 dBm | -37.25 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 878.11189 MHz | -63.09 dBm | -50.09 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -41.88 dBm | -28.88 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88176 GHz | -48.10 dBm | -35.10 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38715 GHz | -51.53 dBm | -38.53 dB |

Date: 27.NOV.2019 09:10:15

### Highest Channel / QPSK

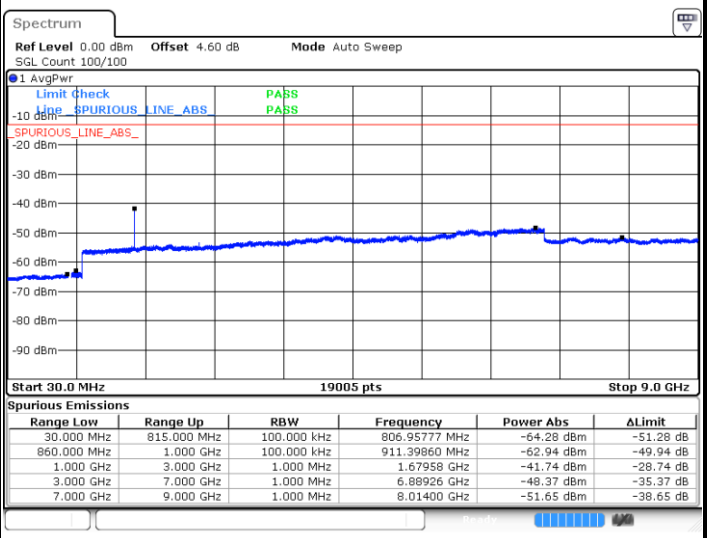



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 794.79635 MHz | -64.13 dBm | -51.13 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 876.15385 MHz | -63.20 dBm | -50.20 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -41.74 dBm | -28.74 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87977 GHz | -48.25 dBm | -35.25 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.00200 GHz | -51.61 dBm | -38.61 dB |

Date: 27.NOV.2019 09:18:19

### Highest Channel / 16QAM



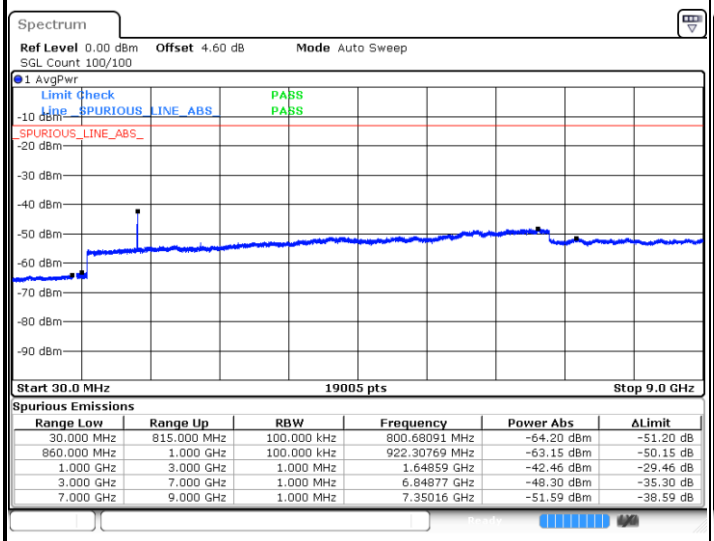

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 806.95777 MHz | -64.28 dBm | -51.28 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 911.39860 MHz | -62.94 dBm | -49.94 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -41.74 dBm | -28.74 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88926 GHz | -48.37 dBm | -35.37 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.01400 GHz | -51.65 dBm | -38.65 dB |

Date: 27.NOV.2019 09:19:14

## LTE Band 5 / 1.4MHz

### Lowest Channel / 64QAM

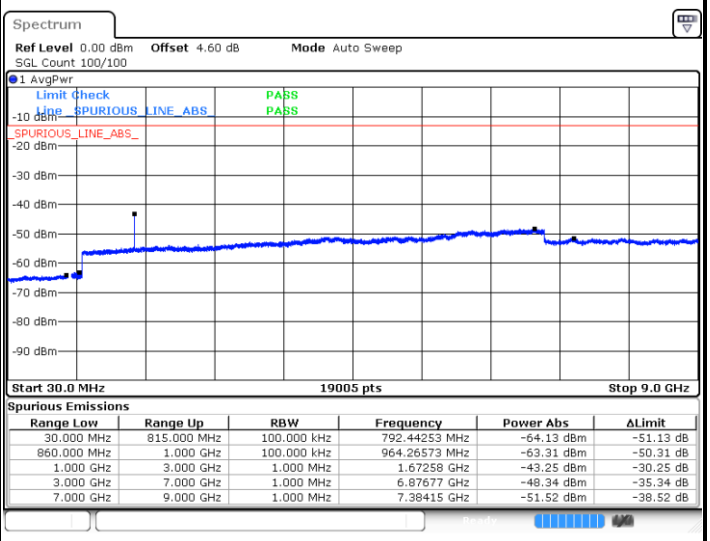



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 800.68091 MHz | -64.20 dBm | -51.20 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 922.30769 MHz | -63.15 dBm | -50.15 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -42.46 dBm | -29.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84877 GHz | -48.30 dBm | -35.30 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.35016 GHz | -51.59 dBm | -38.59 dB |

Date: 28.NOV.2019 00:10:41

### Middle Channel / 64QAM

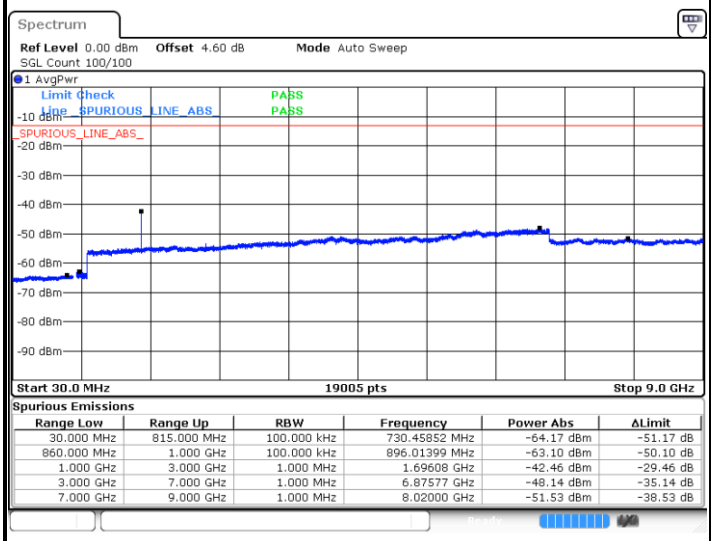



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 792.44253 MHz | -64.13 dBm | -51.13 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 964.26573 MHz | -63.31 dBm | -50.31 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67258 GHz | -43.25 dBm | -30.25 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87677 GHz | -48.34 dBm | -35.34 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38415 GHz | -51.52 dBm | -38.52 dB |

Date: 28.NOV.2019 00:11:35

### Highest Channel / 64QAM



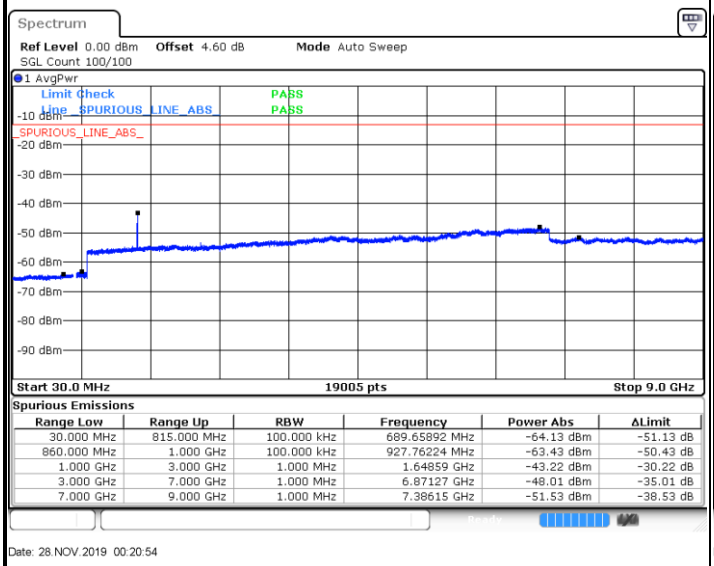

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 730.45852 MHz | -64.17 dBm | -51.17 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 896.01399 MHz | -63.10 dBm | -50.10 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69608 GHz | -42.46 dBm | -29.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87577 GHz | -48.14 dBm | -35.14 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.02000 GHz | -51.53 dBm | -38.53 dB |

Date: 28.NOV.2019 00:16:25

## LTE Band 5 / 3MHz

### Lowest Channel / 64QAM

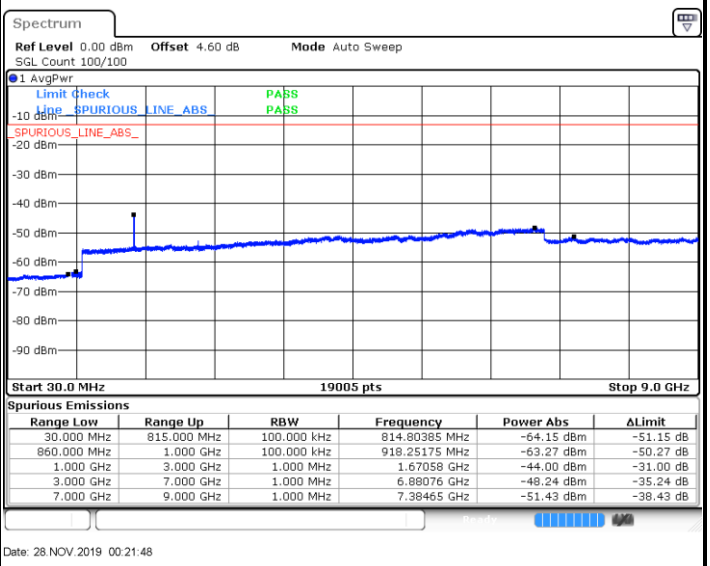



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 689.65892 MHz | -64.13 dBm | -51.13 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 927.76224 MHz | -63.43 dBm | -50.43 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64859 GHz | -43.22 dBm | -30.22 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87127 GHz | -48.01 dBm | -35.01 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38615 GHz | -51.53 dBm | -38.53 dB |

Date: 28.NOV.2019 00:20:54

### Middle Channel / 64QAM

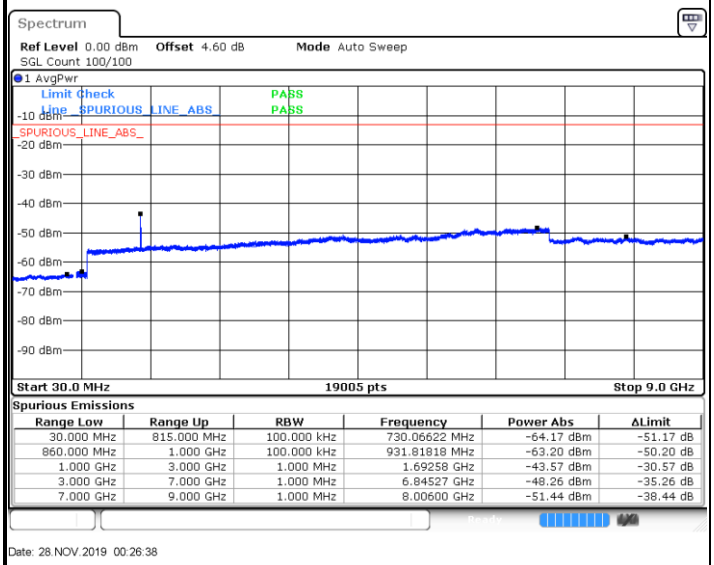



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.80385 MHz | -64.15 dBm | -51.15 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 918.25175 MHz | -63.27 dBm | -50.27 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67058 GHz | -44.00 dBm | -31.00 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88076 GHz | -48.24 dBm | -35.24 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38465 GHz | -51.43 dBm | -38.43 dB |

Date: 28.NOV.2019 00:21:48

### Highest Channel / 64QAM



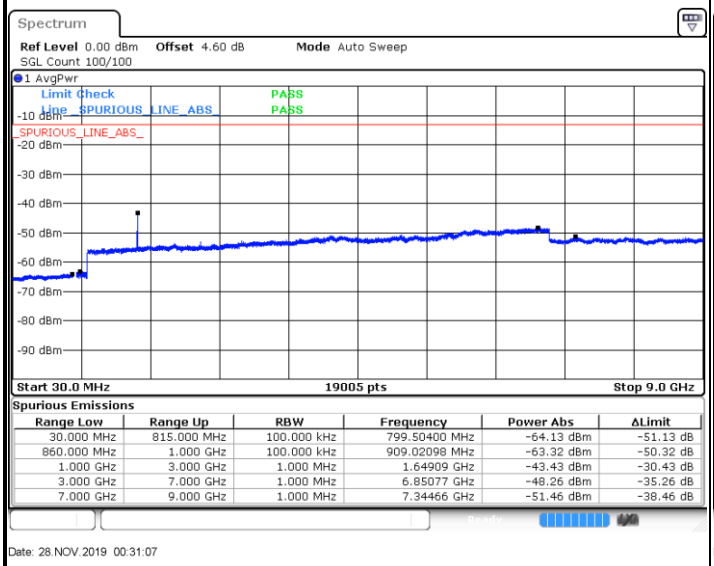

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 730.06622 MHz | -64.17 dBm | -51.17 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 931.81818 MHz | -63.20 dBm | -50.20 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69258 GHz | -43.57 dBm | -30.57 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84527 GHz | -48.26 dBm | -35.26 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.00600 GHz | -51.44 dBm | -38.44 dB |

Date: 28.NOV.2019 00:26:38

## LTE Band 5 / 5MHz

### Lowest Channel / 64QAM

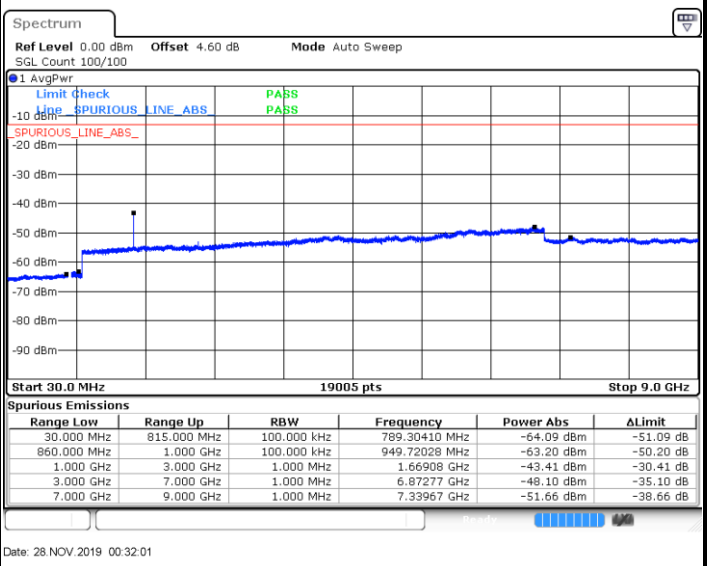



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 799.50400 MHz | -64.13 dBm | -51.13 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 909.02098 MHz | -63.32 dBm | -50.32 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64909 GHz | -43.43 dBm | -30.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.85077 GHz | -48.26 dBm | -35.26 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.34466 GHz | -51.46 dBm | -38.46 dB |

Date: 28.NOV.2019 00:31:07

### Middle Channel / 64QAM

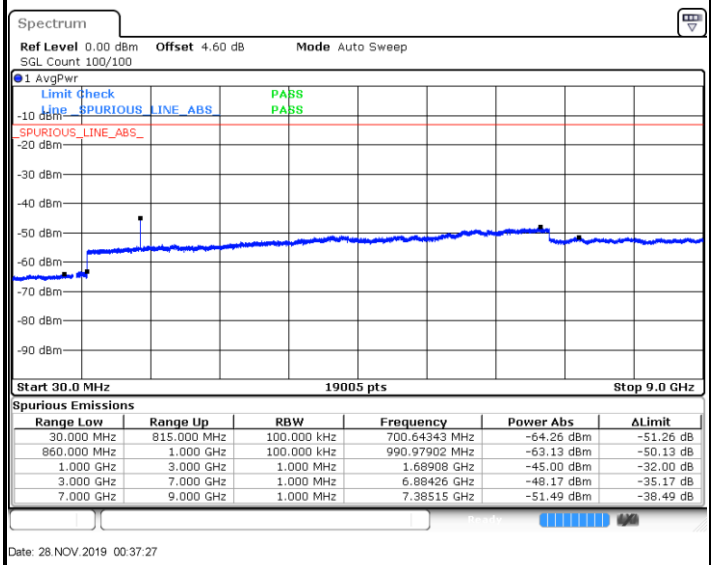



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 789.30410 MHz | -64.09 dBm | -51.09 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 949.72028 MHz | -63.20 dBm | -50.20 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66908 GHz | -43.41 dBm | -30.41 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.87277 GHz | -48.10 dBm | -35.10 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.33967 GHz | -51.66 dBm | -38.66 dB |

Date: 28.NOV.2019 00:32:01

### Highest Channel / 64QAM



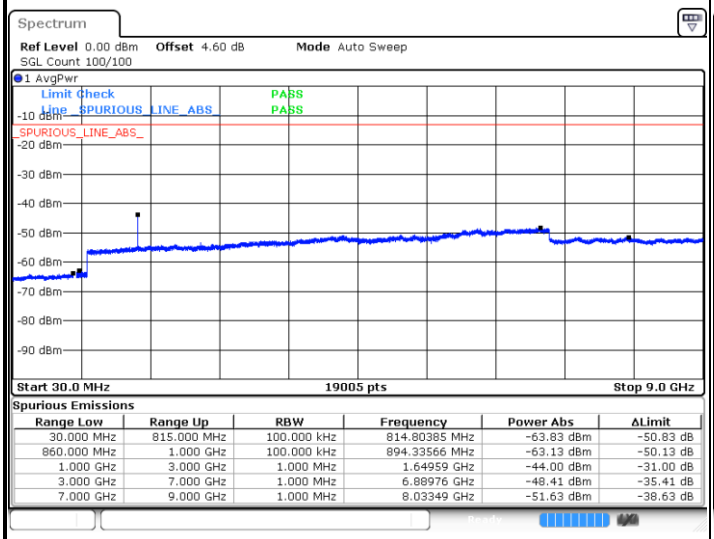

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 700.64343 MHz | -64.26 dBm | -51.26 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 990.97902 MHz | -63.13 dBm | -50.13 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.68908 GHz | -45.00 dBm | -32.00 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88426 GHz | -48.17 dBm | -35.17 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38515 GHz | -51.49 dBm | -38.49 dB |

Date: 28.NOV.2019 00:37:27

## LTE Band 5 / 10MHz

### Lowest Channel / 64QAM

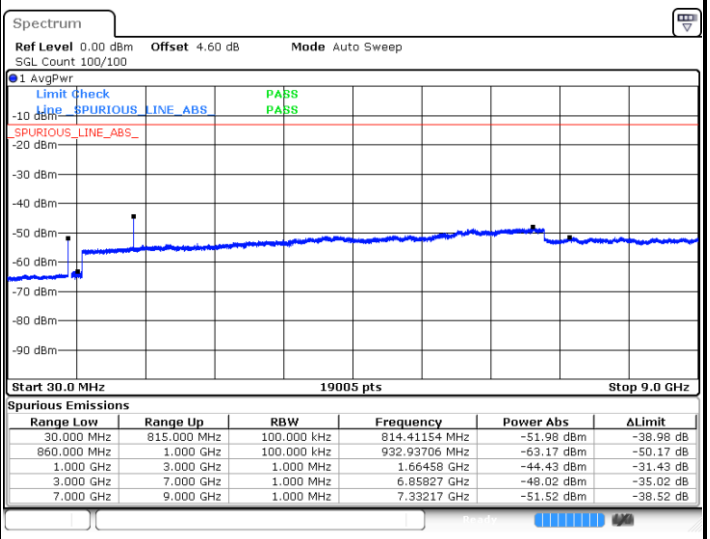



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.80385 MHz | -63.83 dBm | -50.83 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 894.33566 MHz | -63.13 dBm | -50.13 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64959 GHz | -44.00 dBm | -31.00 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88976 GHz | -48.41 dBm | -35.41 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.03349 GHz | -51.63 dBm | -38.63 dB |

Date: 28.NOV.2019 00:41:57

### Middle Channel / 64QAM

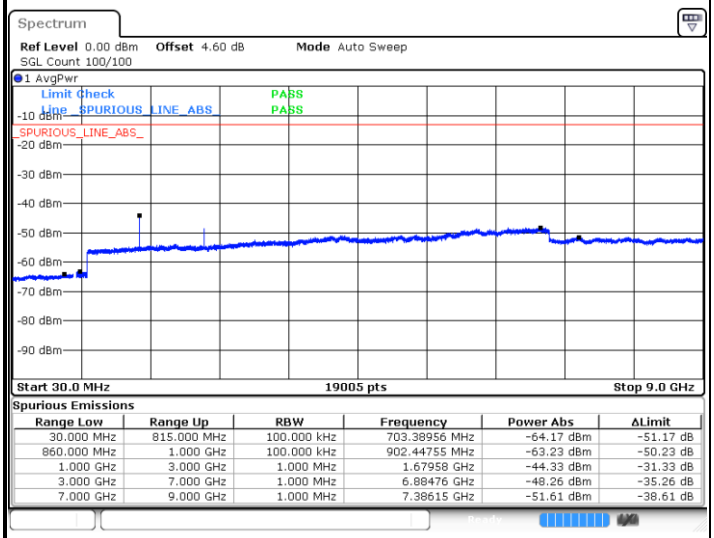



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 814.41154 MHz | -51.98 dBm | -38.98 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 932.93706 MHz | -63.17 dBm | -50.17 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.66458 GHz | -44.43 dBm | -31.43 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.85827 GHz | -48.02 dBm | -35.02 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.33217 GHz | -51.52 dBm | -38.52 dB |

Date: 28.NOV.2019 00:42:51

### Highest Channel / 64QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 815.000 MHz | 100.000 kHz | 703.38956 MHz | -64.17 dBm | -51.17 dB |
| 860.000 MHz | 1.000 GHz | 100.000 kHz | 902.44755 MHz | -63.23 dBm | -50.23 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67958 GHz | -44.33 dBm | -31.33 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.88476 GHz | -48.26 dBm | -35.26 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38615 GHz | -51.61 dBm | -38.61 dB |

Date: 28.NOV.2019 00:47:42

# 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 | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0014 | |
| 30 | Normal Voltage | 0.0033 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0056 | |
| 0 | Normal Voltage | 0.0059 | |
| -10 | Normal Voltage | 0.0051 | |
| -20 | Normal Voltage | 0.0023 | |
| -30 | Normal Voltage | 0.0010 | |
| 20 | Maximum Voltage | 0.0045 | |
| 20 | Normal Voltage | 0.0050 | |
| 20 | Battery End Point | 0.0012 | |

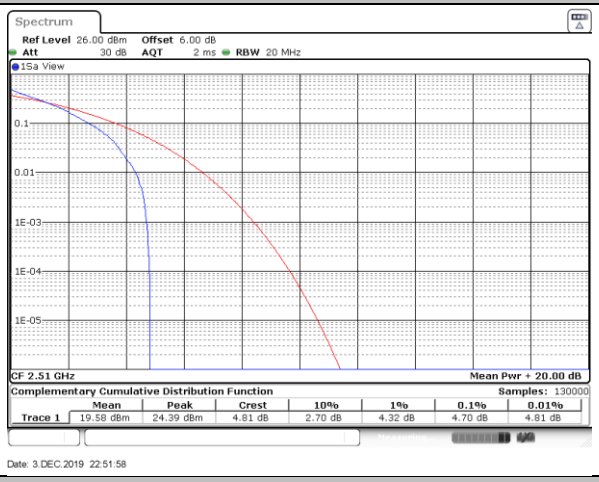
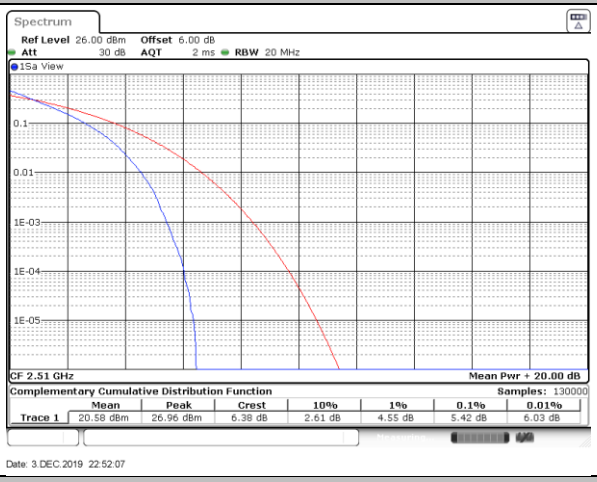
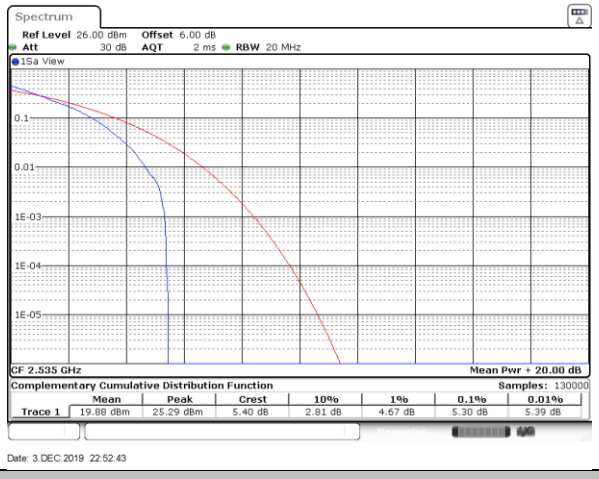
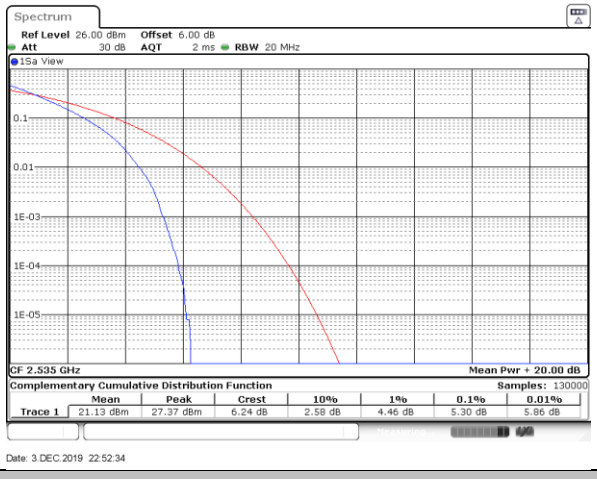
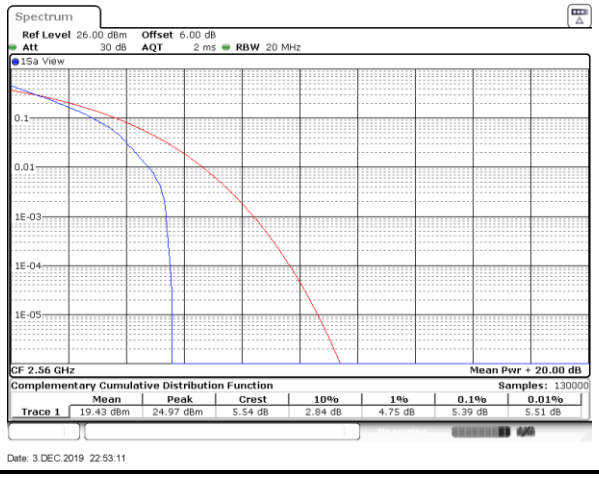
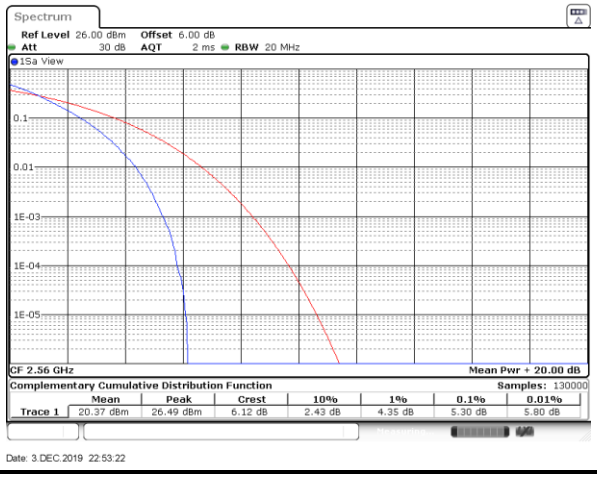
**Note:**

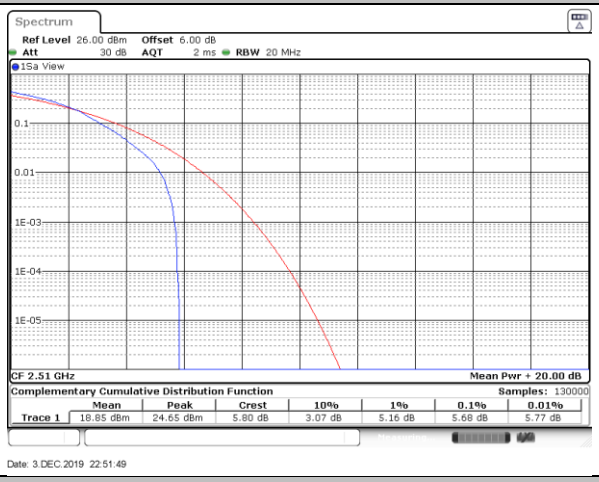
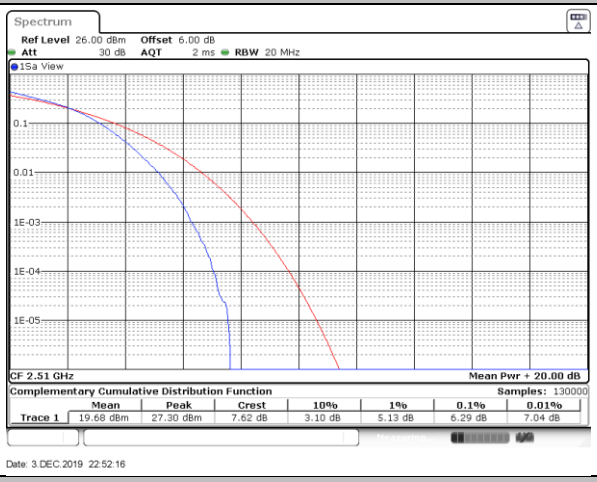
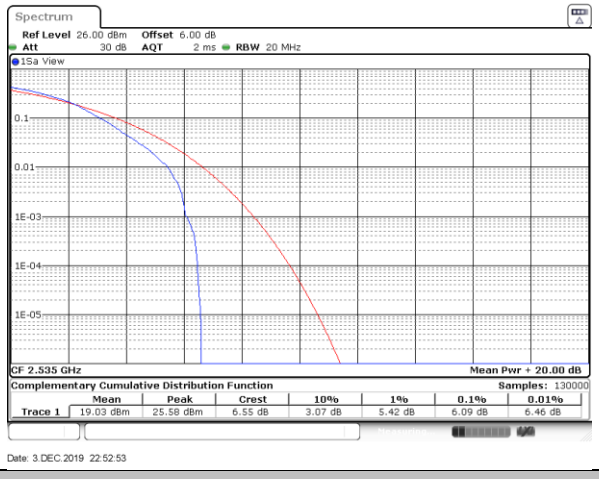
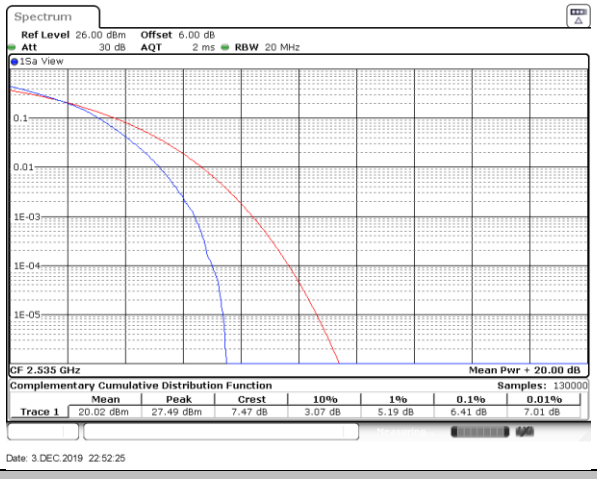
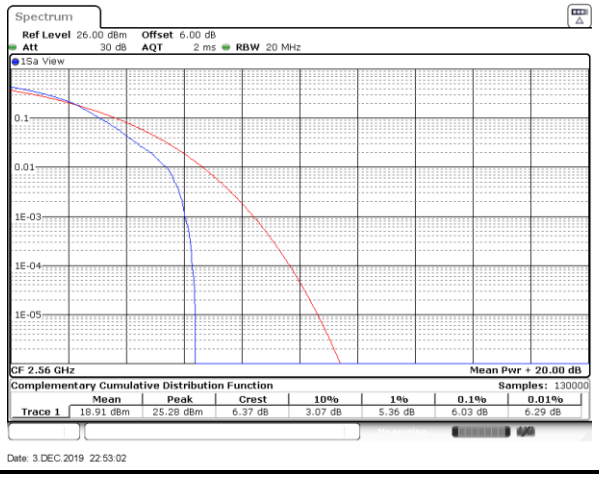
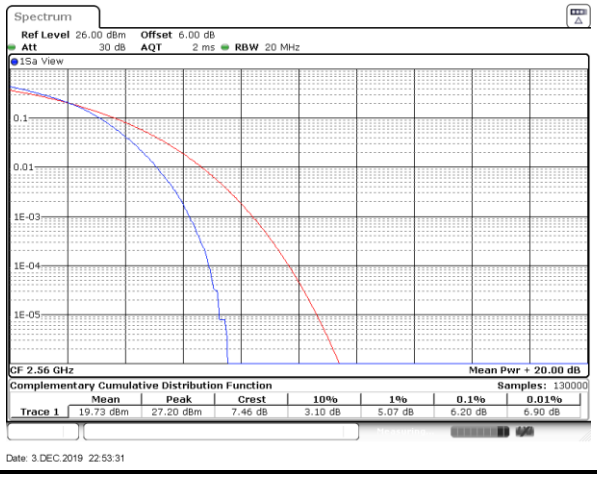
1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

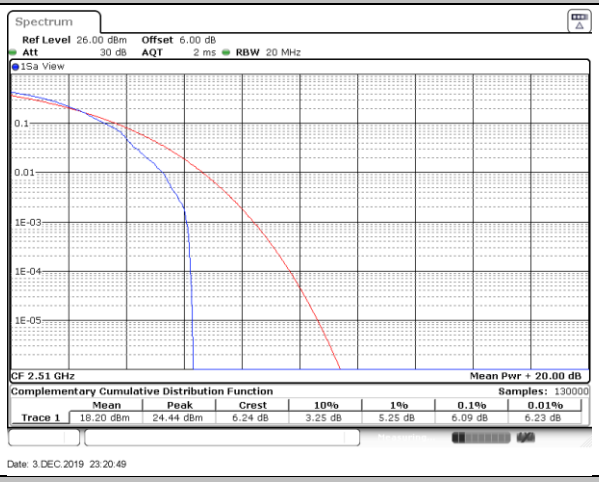
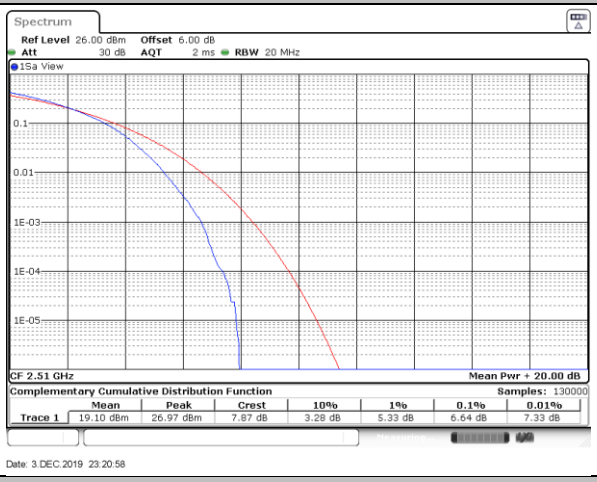
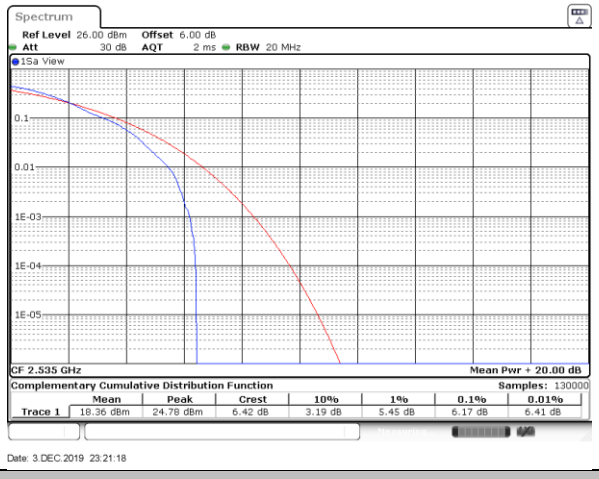
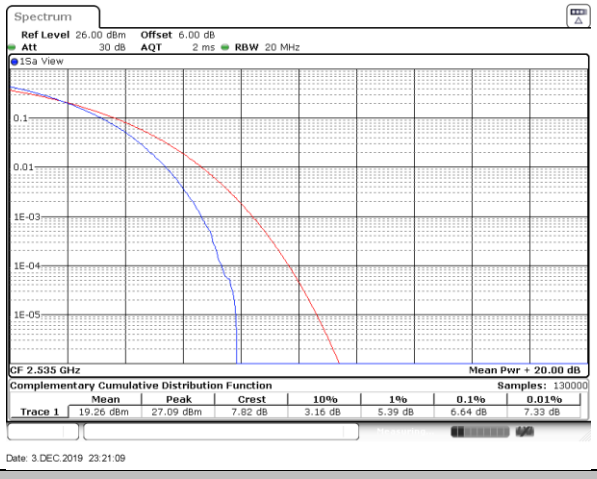
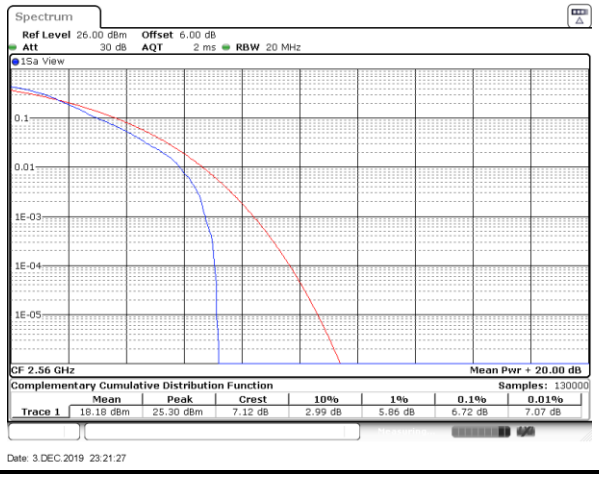
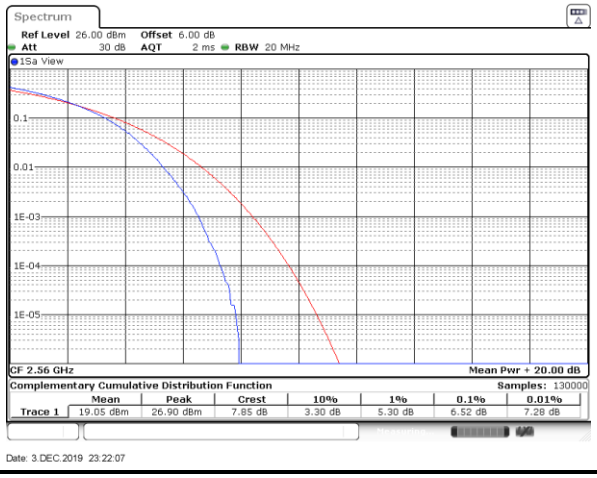
# LTE Band 7

## Peak-to-Average Ratio

| Mode | LTE Band 7 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 4.70 | 5.42 | 5.68 | 6.29 | PASS |
| Middle CH | 5.30 | 5.30 | 6.09 | 6.41 | |
| Highest CH | 5.39 | 5.30 | 6.03 | 6.20 | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.09 | 6.64 | | | PASS |
| Middle CH | 6.17 | 6.64 | | | |
| Highest CH | 6.72 | 6.52 | | | |

| LTE Band 7 / 20MHz / QPSK | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

| LTE Band 7 / 20MHz / 16QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

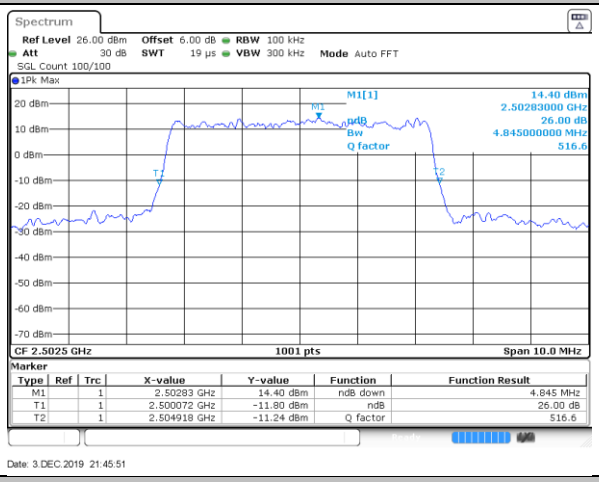
| LTE Band 7 / 20MHz / 64QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

# 26dB Bandwidth

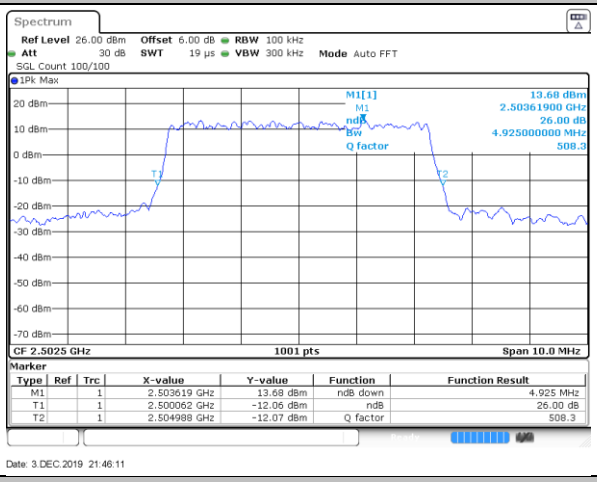
| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | | | | | 4.845 | 4.925 | 9.65 | 9.81 | 14.416 | 14.236 | 20.22 | 20.18 |
| Middle CH | | | | | 4.925 | 4.875 | 9.65 | 9.73 | 14.446 | 14.565 | 20.18 | 20.22 |
| Highest CH | | | | | 4.885 | 4.835 | 9.69 | 9.73 | 14.296 | 14.266 | 20.10 | 20.14 |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | | | | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | | | | | 4.805 | | 9.89 | | 14.266 | | 20.26 | |
| Middle CH | | | | | 4.835 | | 9.69 | | 14.386 | | 20.22 | |
| Highest CH | | | | | 4.915 | | 9.73 | | 14.386 | | 20.14 | |

## LTE Band 7

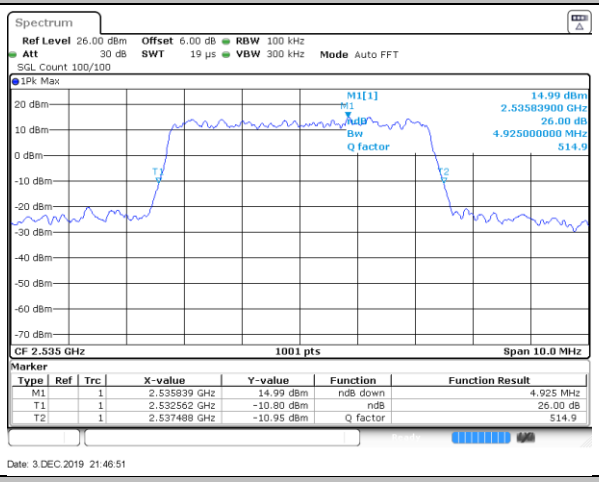
### Lowest Channel / 5MHz / QPSK



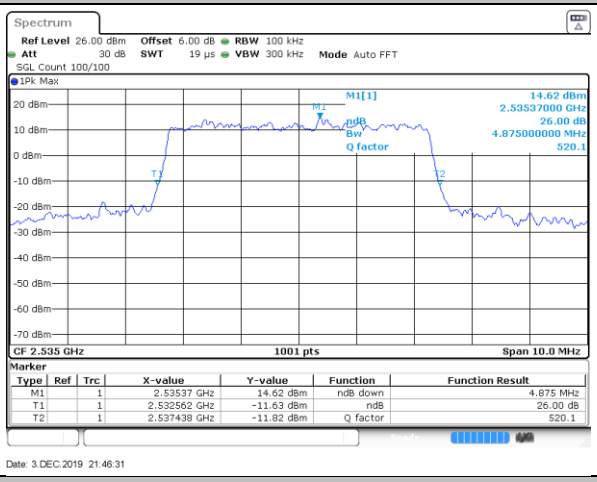

### Lowest Channel / 5MHz / 16QAM



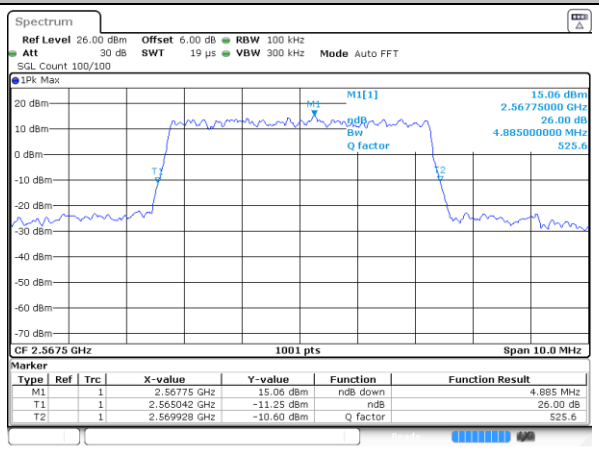

### Middle Channel / 5MHz / QPSK



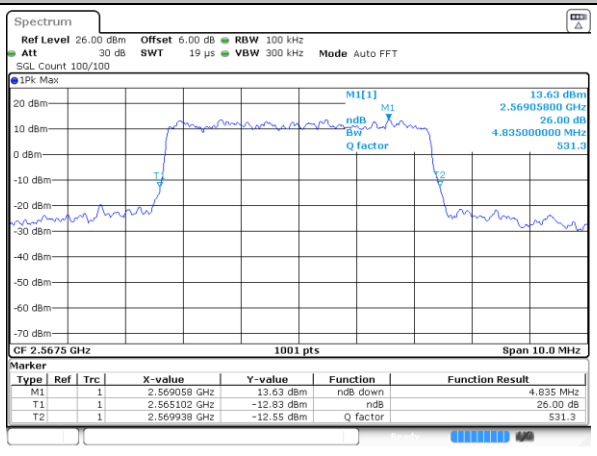

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

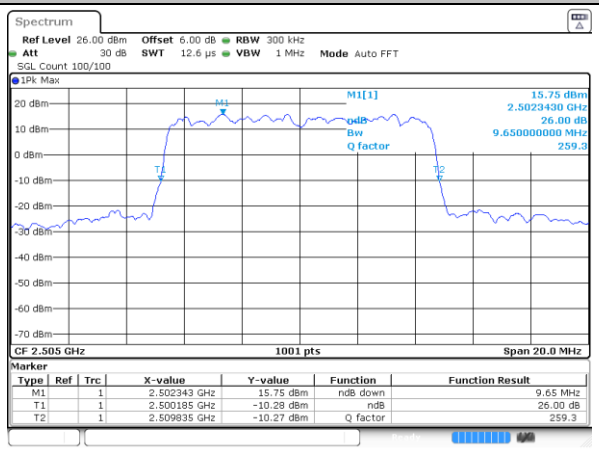



### Highest Channel / 5MHz / 16QAM

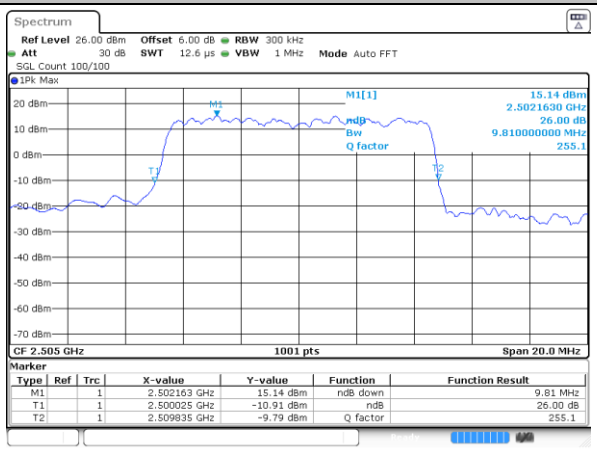


## LTE Band 7

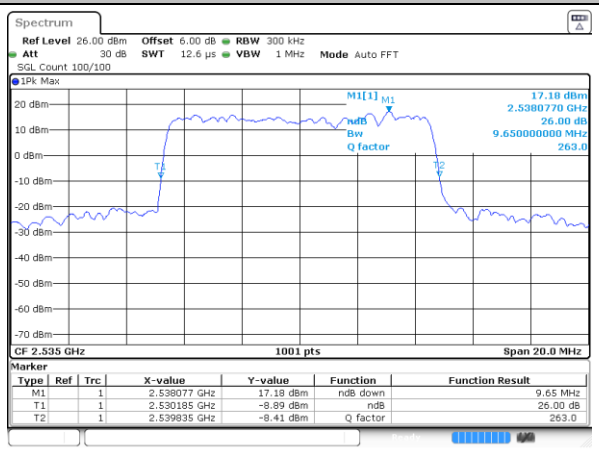
### Lowest Channel / 10MHz / QPSK



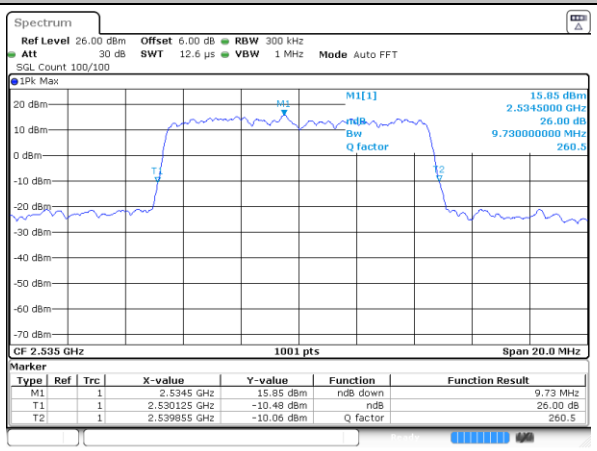

### Lowest Channel / 10MHz / 16QAM



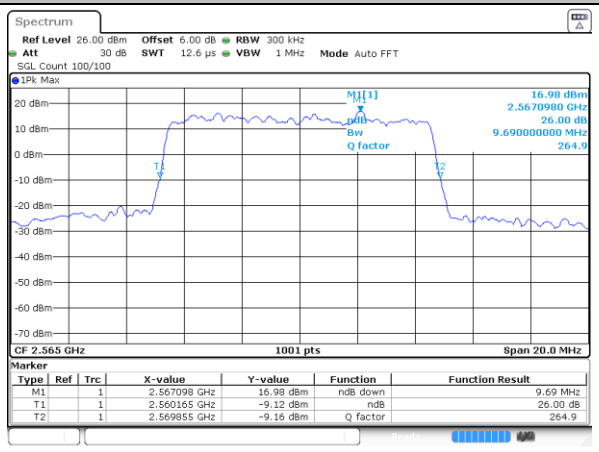

### Middle Channel / 10MHz / QPSK



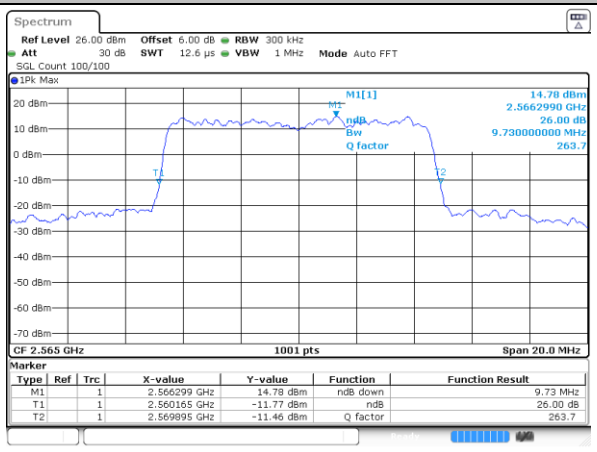

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

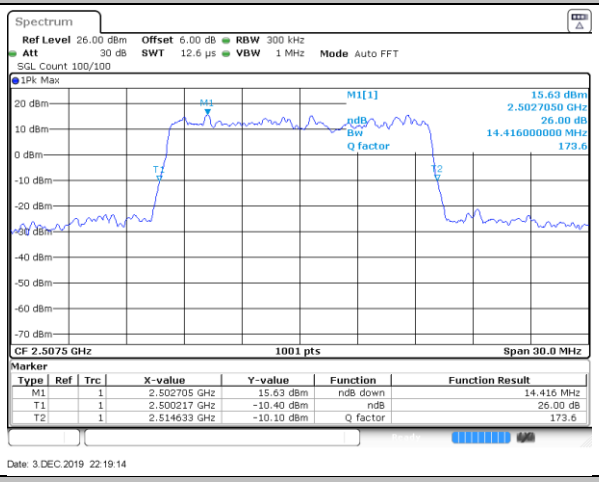



### Highest Channel / 10MHz / 16QAM

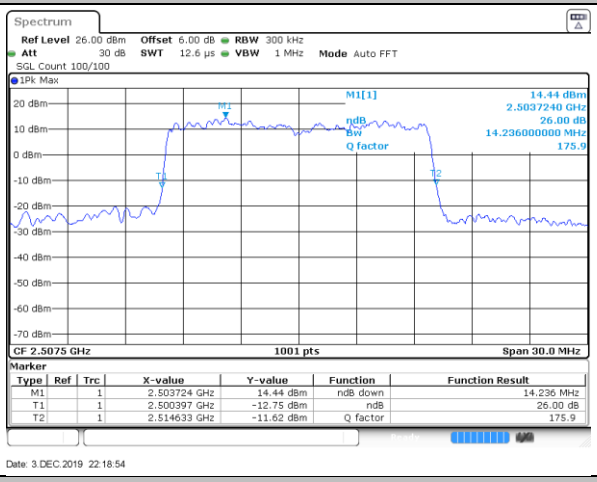


## LTE Band 7

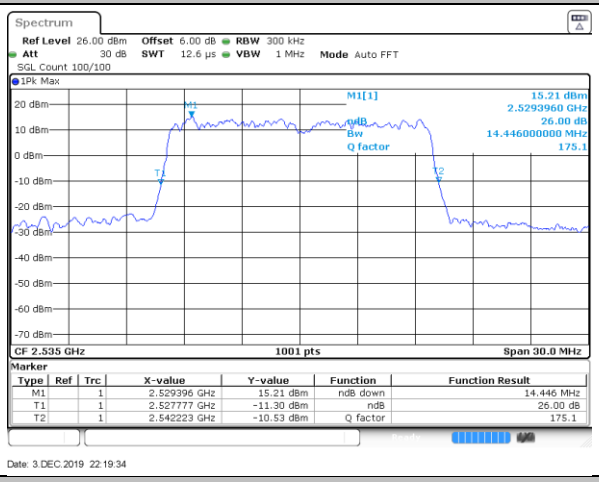
### Lowest Channel / 15MHz / QPSK



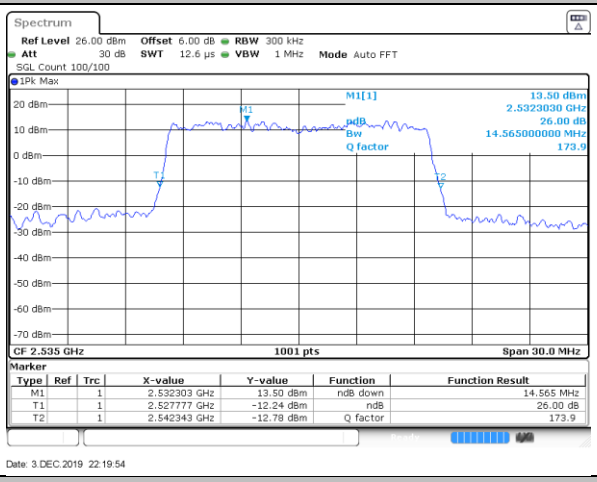

### Lowest Channel / 15MHz / 16QAM



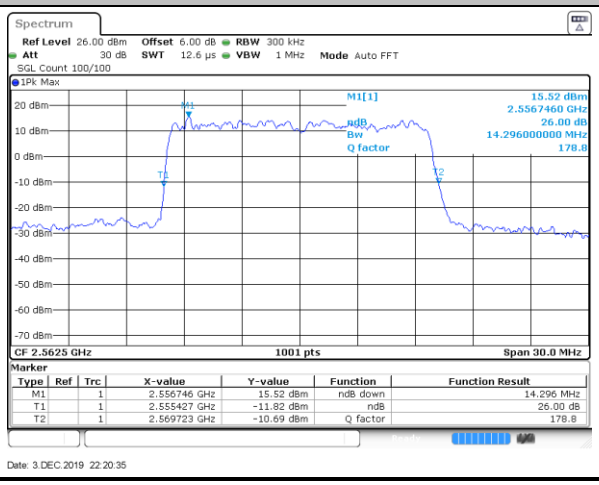

### Middle Channel / 15MHz / QPSK



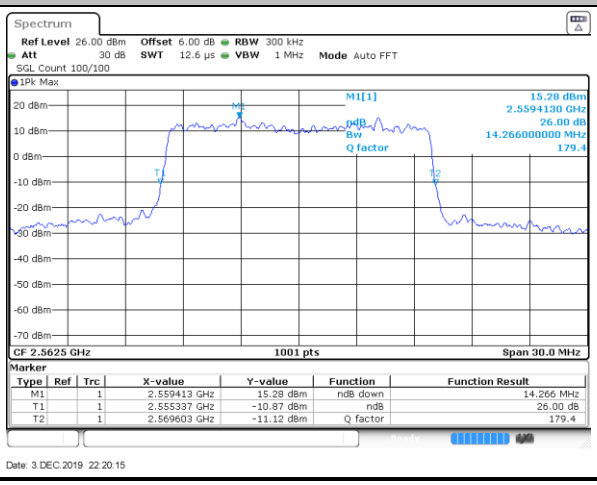

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

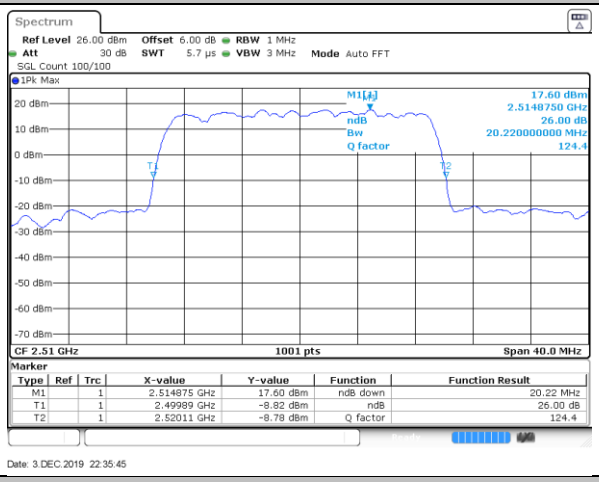



### Highest Channel / 15MHz / 16QAM

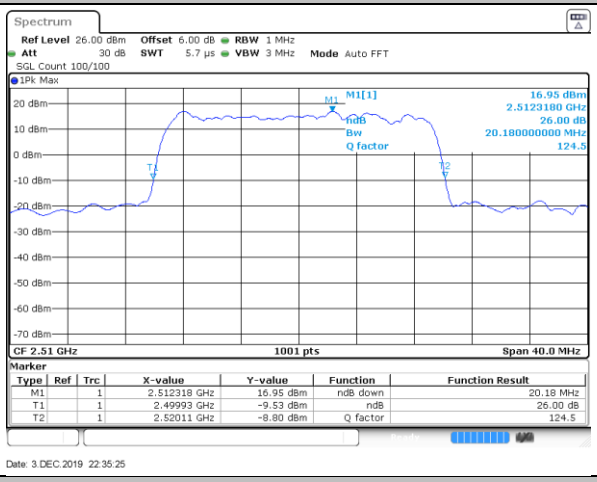


## LTE Band 7

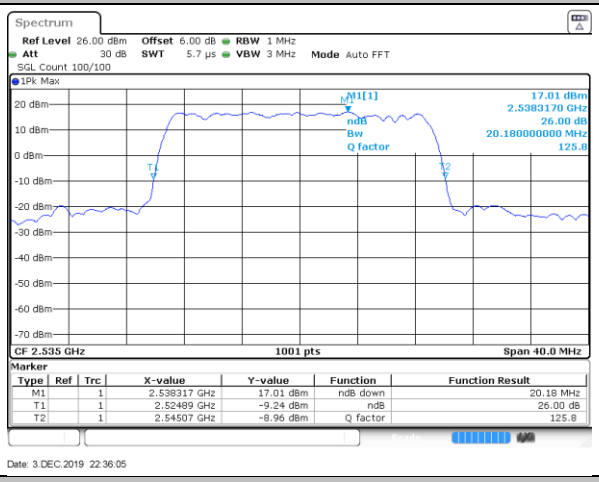
### Lowest Channel / 20MHz / QPSK



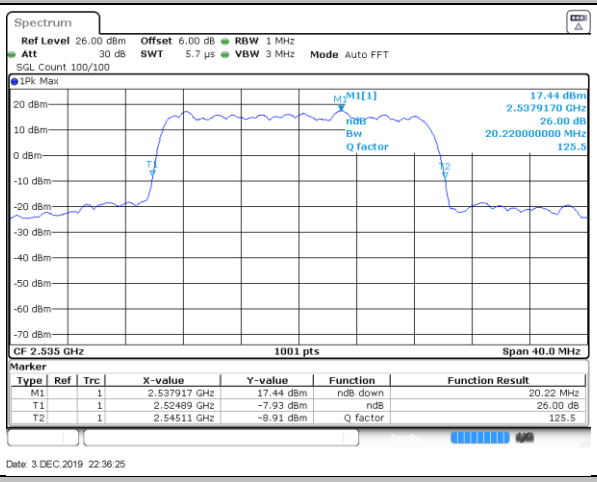

### Lowest Channel / 20MHz / 16QAM



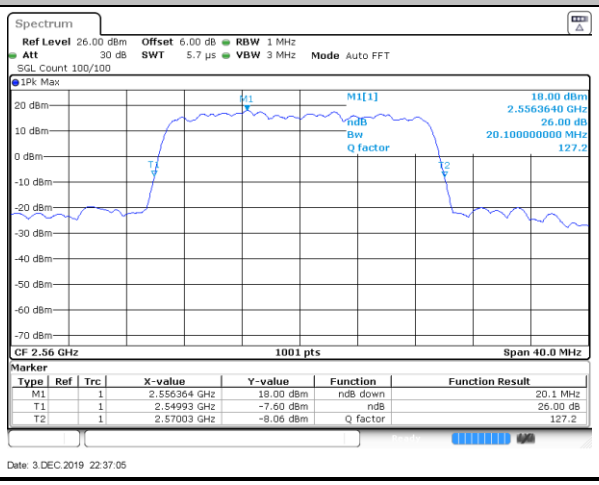

### Middle Channel / 20MHz / QPSK



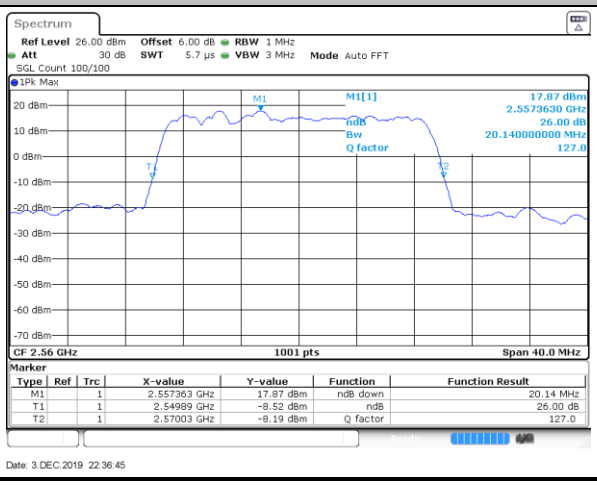

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

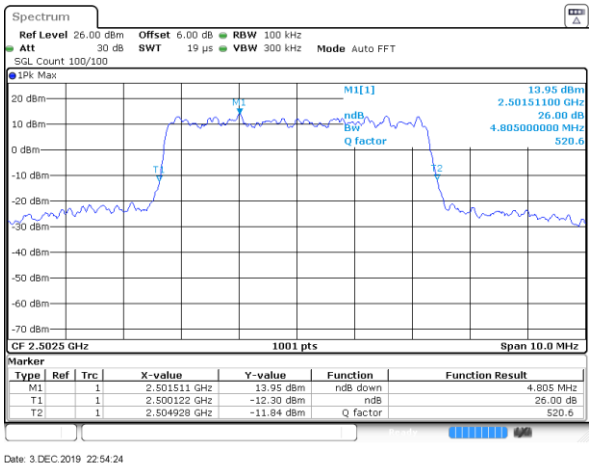



### Highest Channel / 20MHz / 16QAM

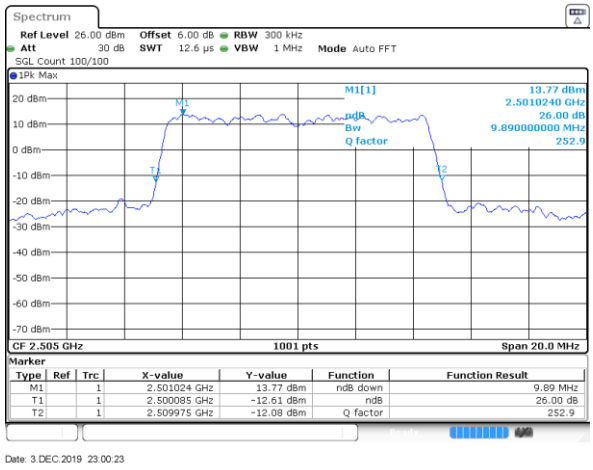


## LTE Band 7

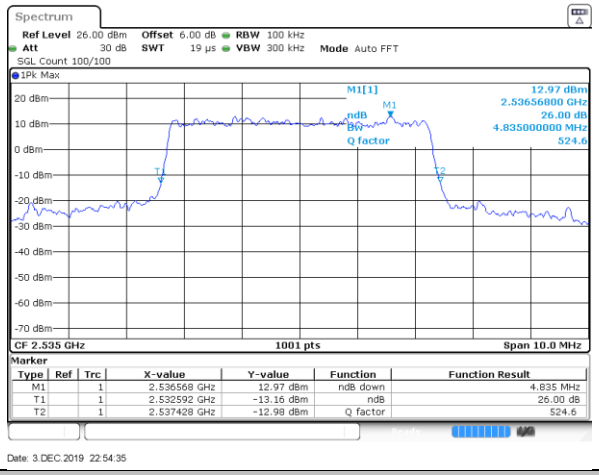
### Lowest Channel / 5MHz / 64QAM



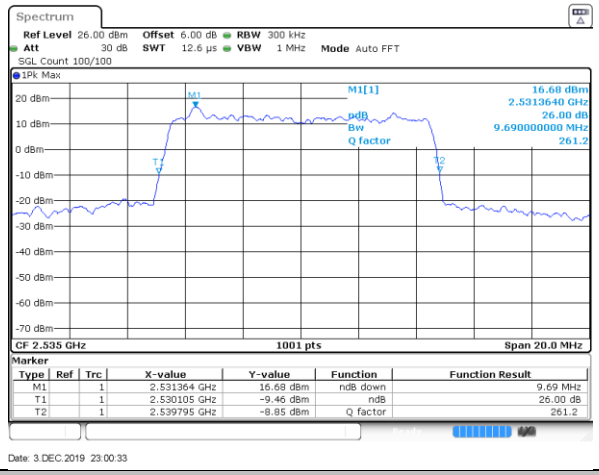

### Lowest Channel / 10MHz / 64QAM



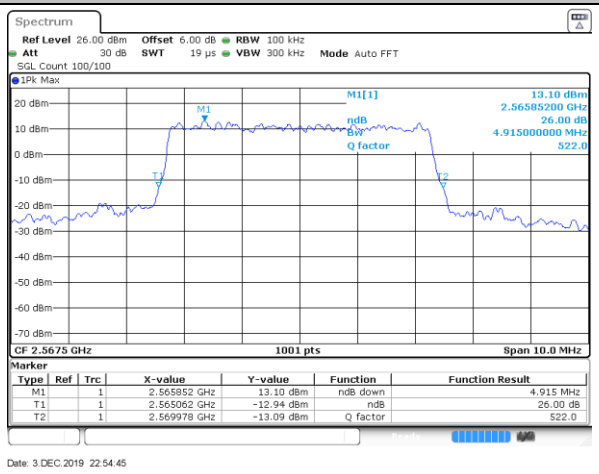

### Middle Channel / 5MHz / 64QAM



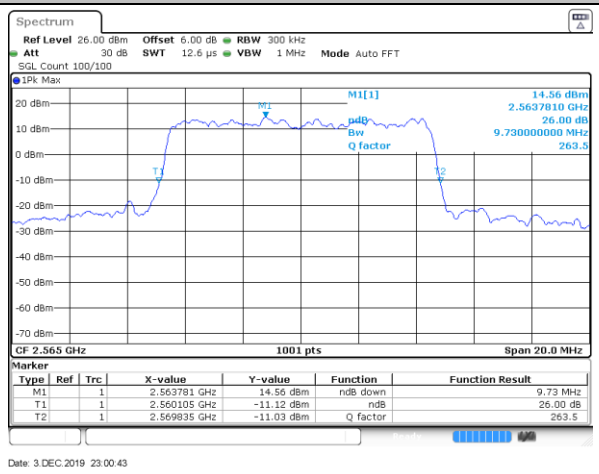

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

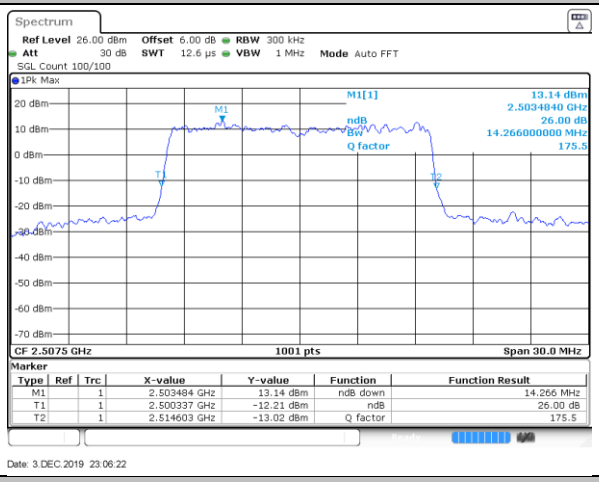



### Highest Channel / 10MHz / 64QAM

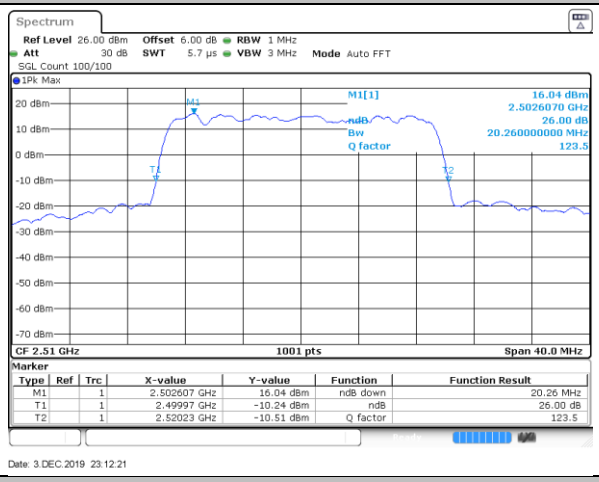


## LTE Band 7

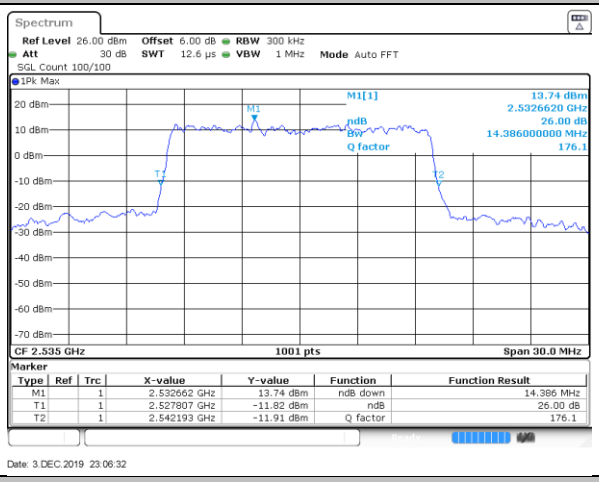
### Lowest Channel / 15MHz / 64QAM



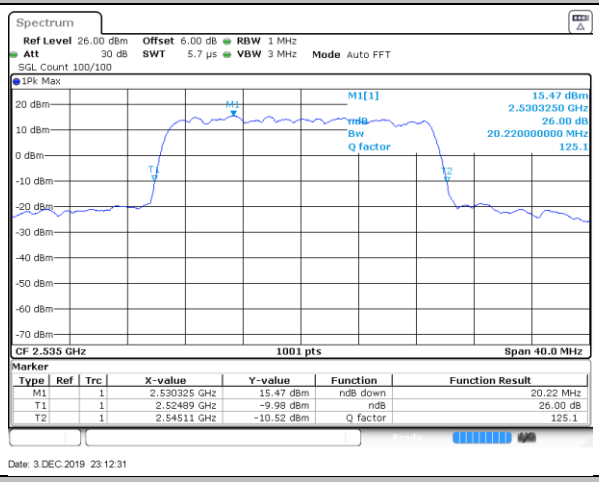

### Lowest Channel / 20MHz / 64QAM



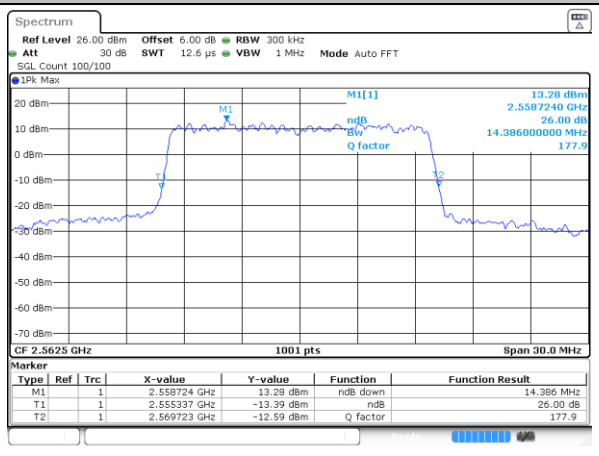

### Middle Channel / 15MHz / 64QAM



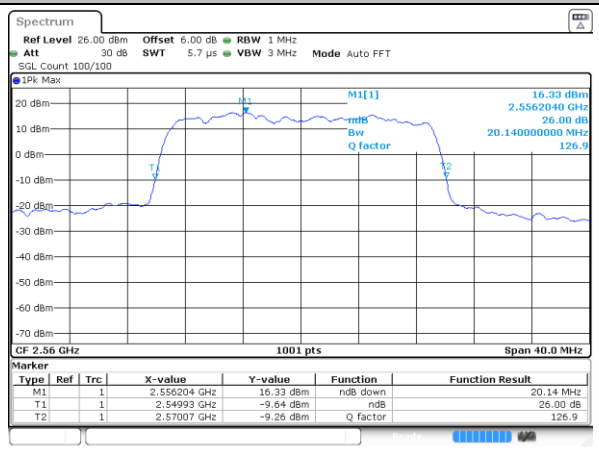

### Middle Channel / 20MHz / 64QAM




### Highest Channel / 15MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

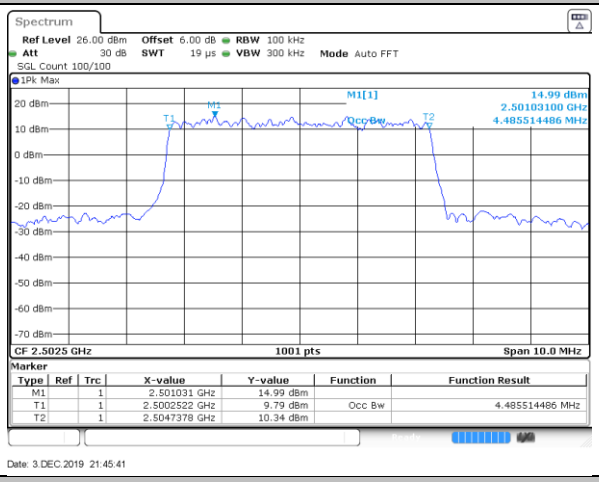


# Occupied Bandwidth

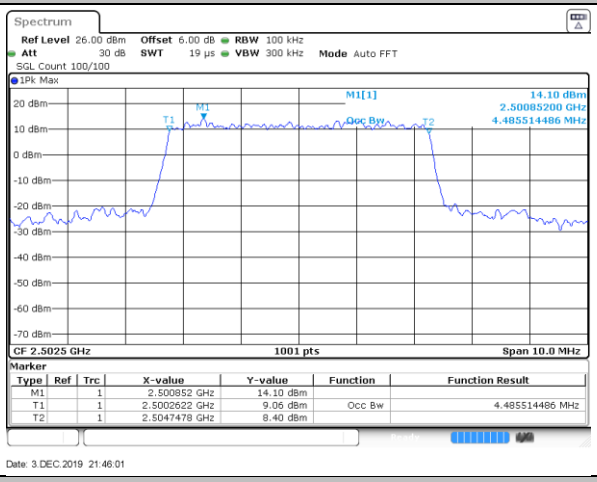
| Mode | LTE Band 7 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | | | | | 4.486 | 4.486 | 9.071 | 8.991 | 13.487 | 13.427 | 18.382 | 18.581 |
| Middle CH | | | | | 4.486 | 4.505 | 9.071 | 8.991 | 13.487 | 13.457 | 18.382 | 18.262 |
| Highest CH | | | | | 4.466 | 4.486 | 9.031 | 9.031 | 13.367 | 13.367 | 18.422 | 18.342 |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | | | | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | | | | | 4.496 | | 9.051 | | 13.487 | | 18.462 | |
| Middle CH | | | | | 4.486 | | 9.111 | | 13.457 | | 18.342 | |
| Highest CH | | | | | 4.476 | | 8.991 | | 13.427 | | 18.262 | |

## LTE Band 7

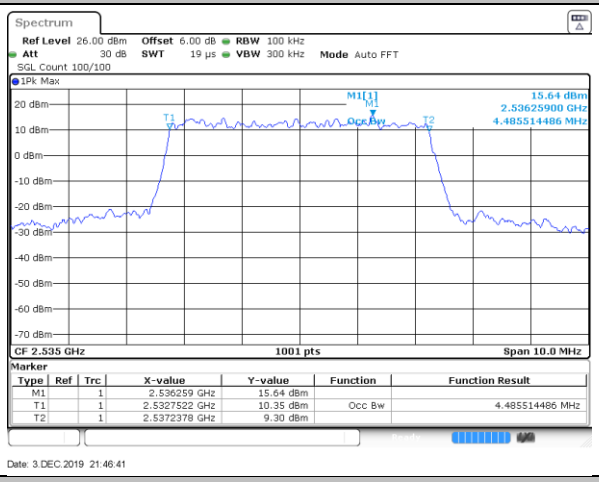
### Lowest Channel / 5MHz / QPSK



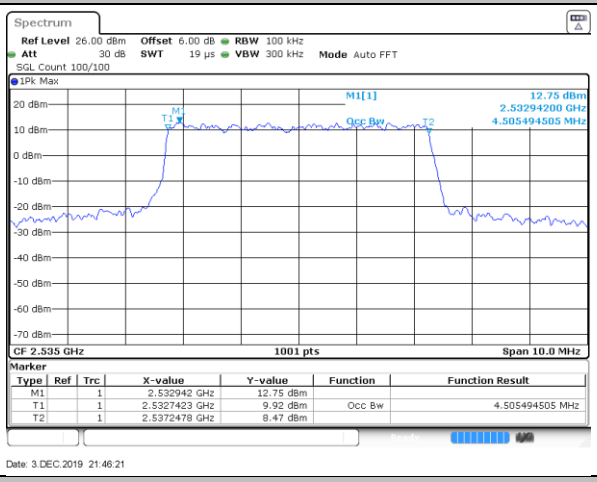

### Lowest Channel / 5MHz / 16QAM



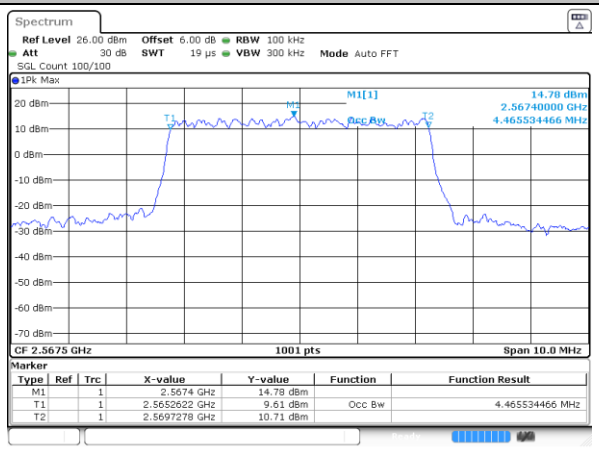

### Middle Channel / 5MHz / QPSK



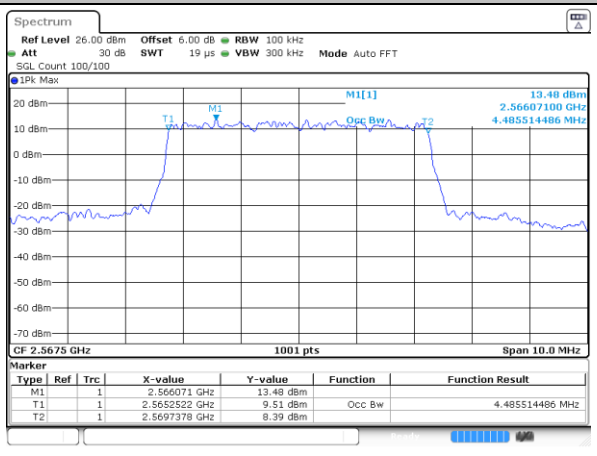

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

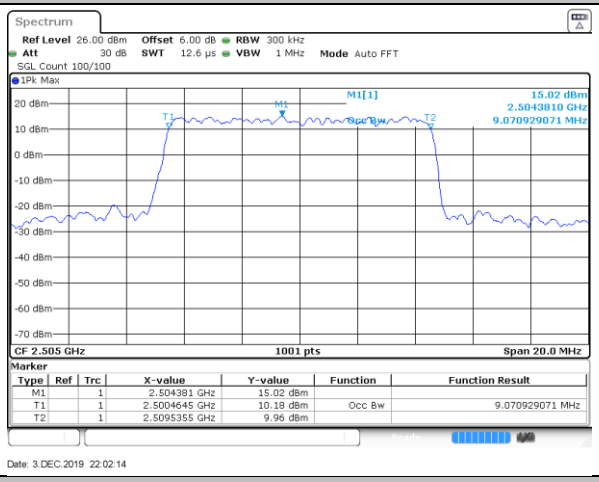



### Highest Channel / 5MHz / 16QAM

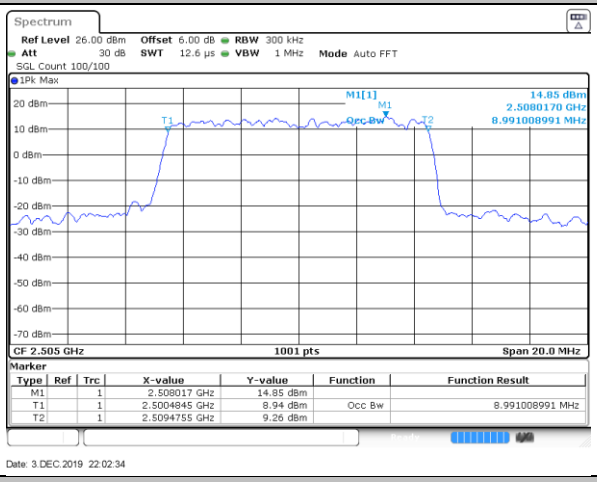


## LTE Band 7

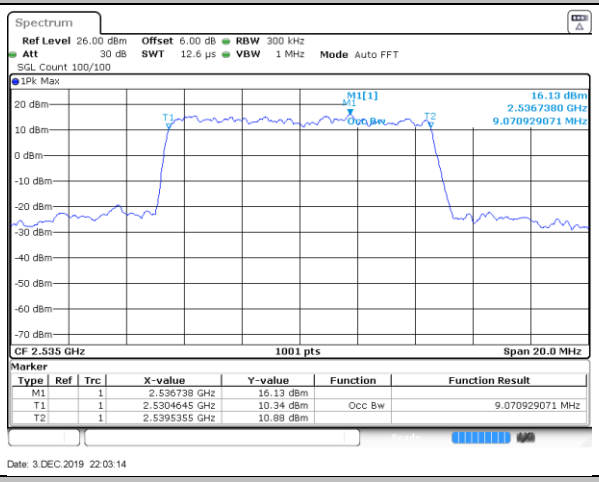
### Lowest Channel / 10MHz / QPSK



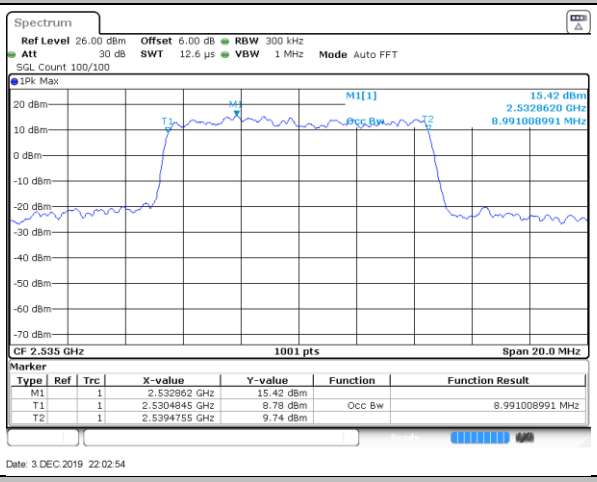

### Lowest Channel / 10MHz / 16QAM



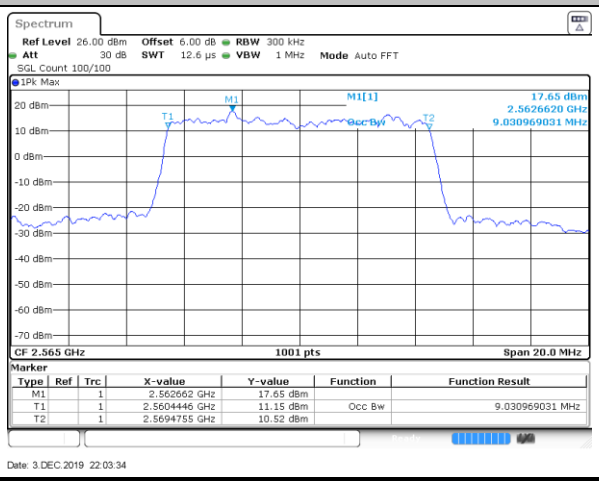

### Middle Channel / 10MHz / QPSK



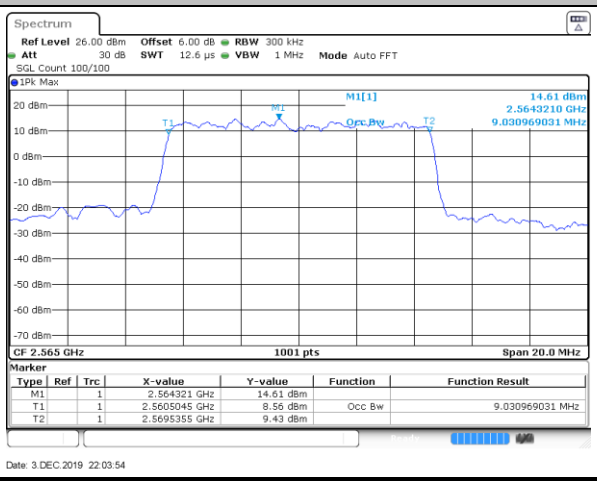

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

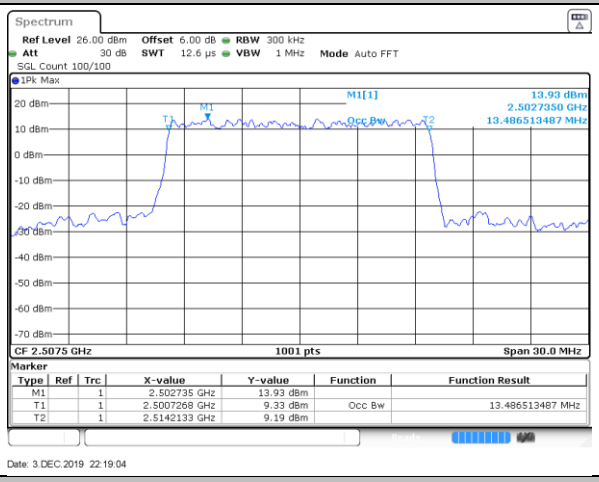



### Highest Channel / 10MHz / 16QAM

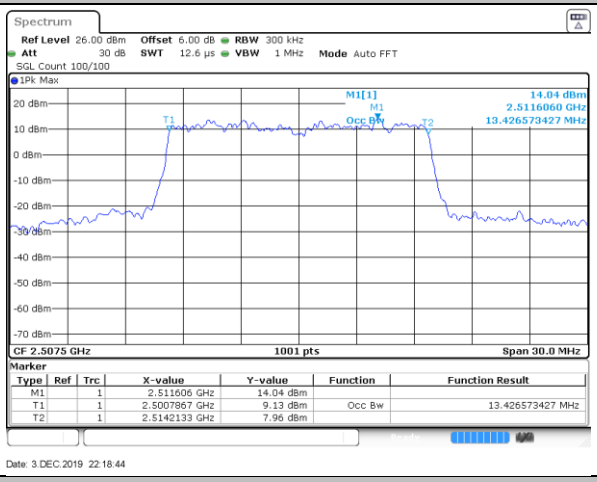


## LTE Band 7

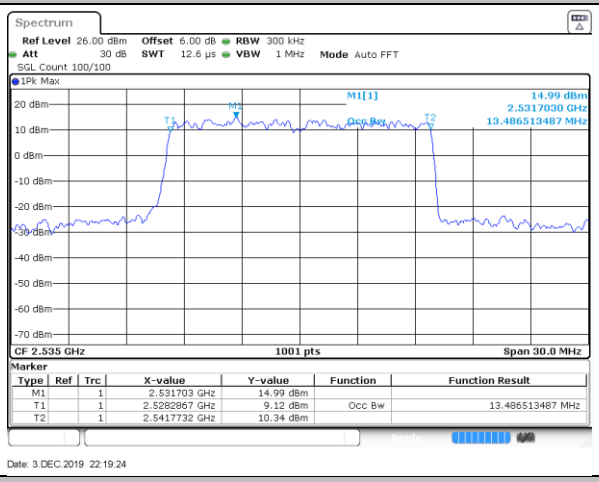
### Lowest Channel / 15MHz / QPSK



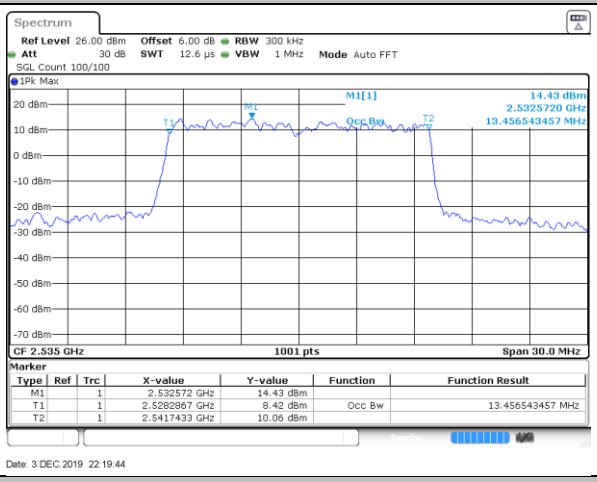

### Lowest Channel / 15MHz / 16QAM



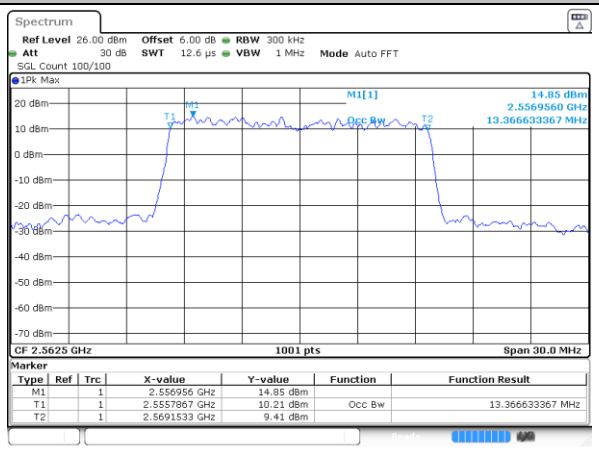

### Middle Channel / 15MHz / QPSK



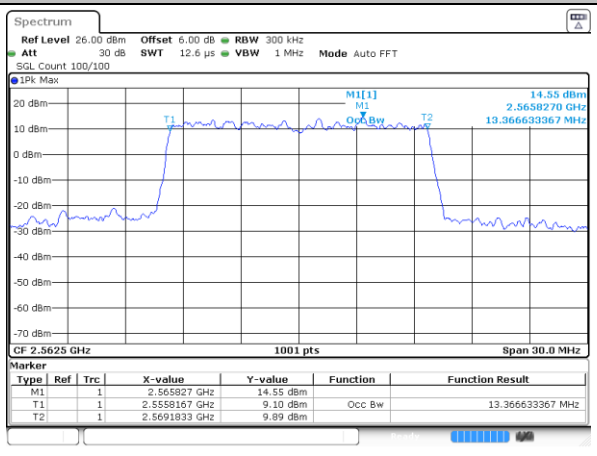

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

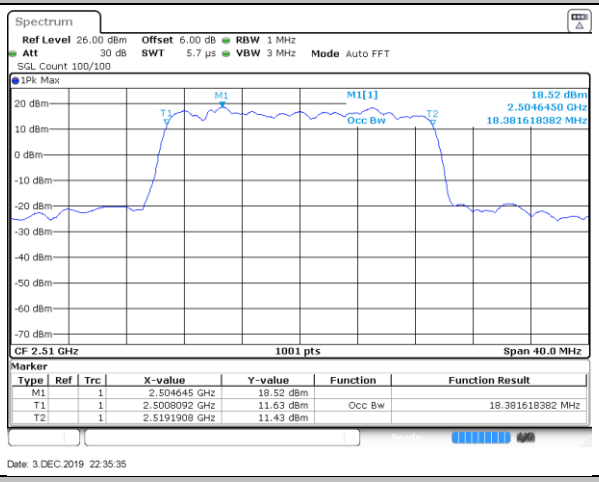



### Highest Channel / 15MHz / 16QAM

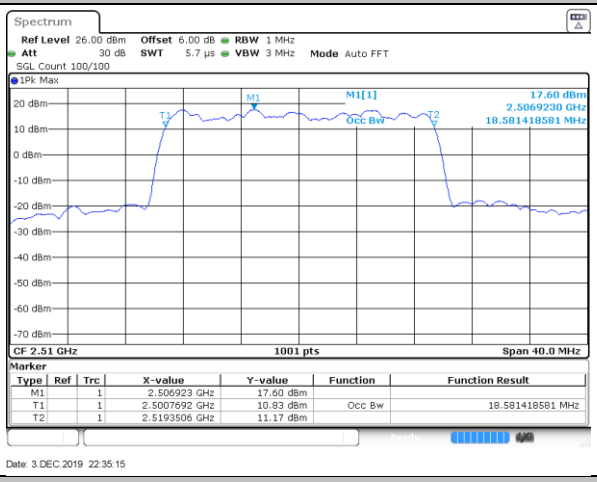


## LTE Band 7

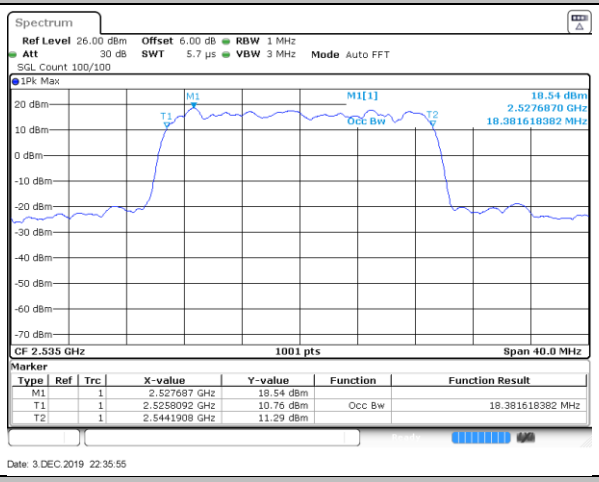
### Lowest Channel / 20MHz / QPSK



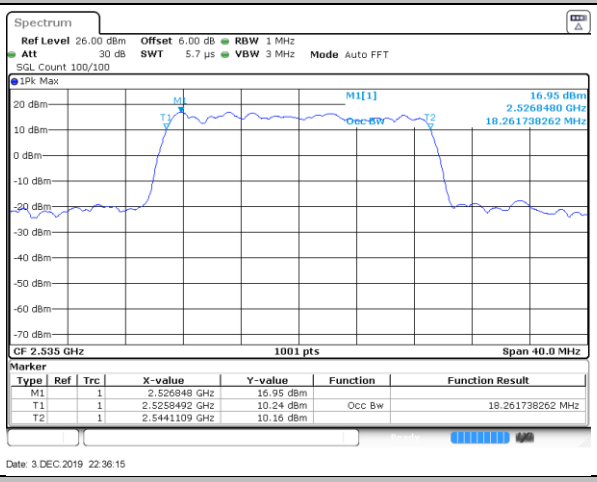

### Lowest Channel / 20MHz / 16QAM



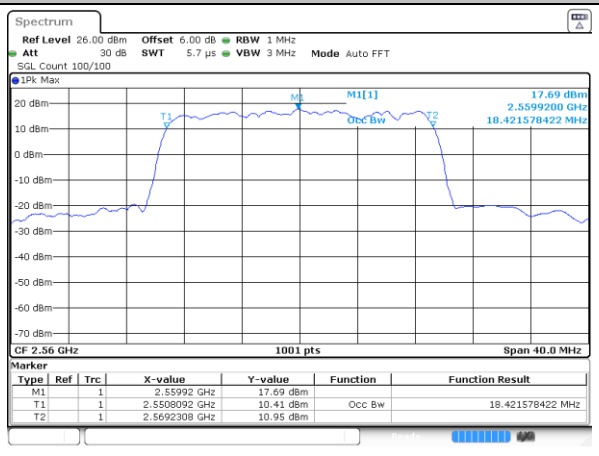

### Middle Channel / 20MHz / QPSK



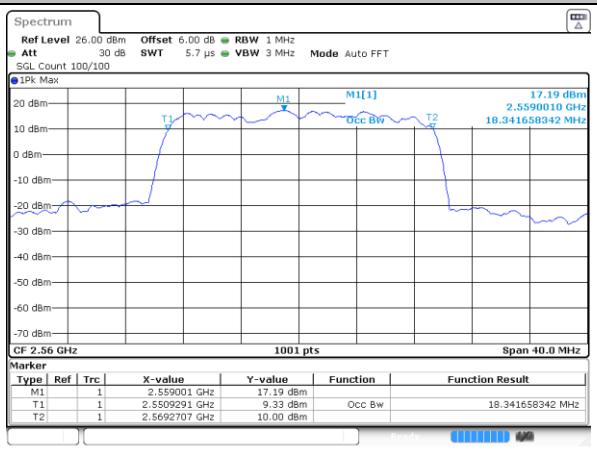

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

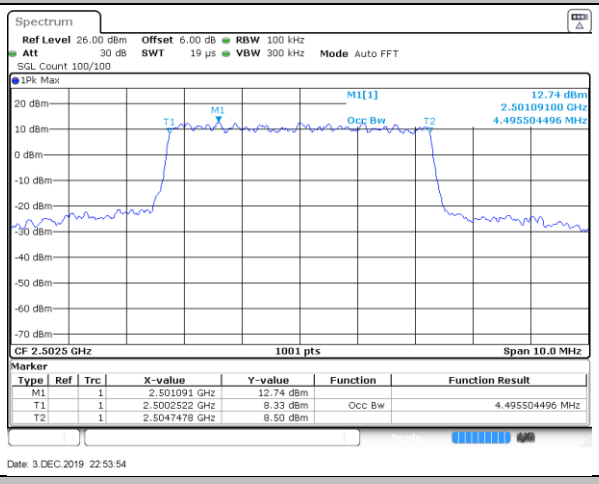



### Highest Channel / 20MHz / 16QAM

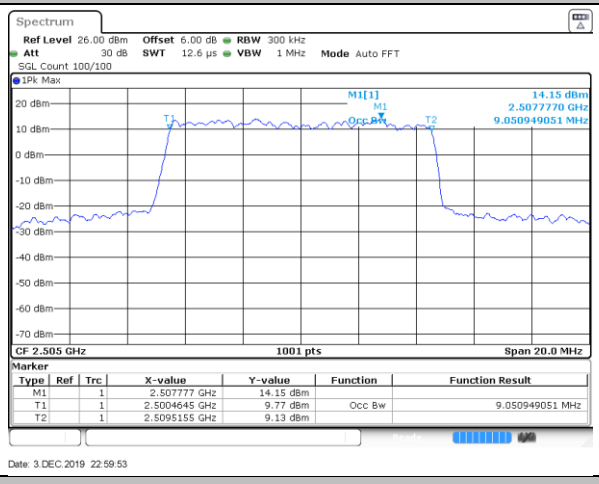


## LTE Band 7

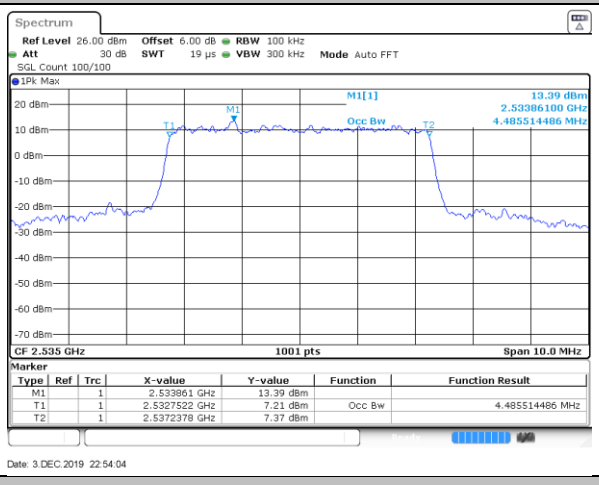
### Lowest Channel / 5MHz / 64QAM



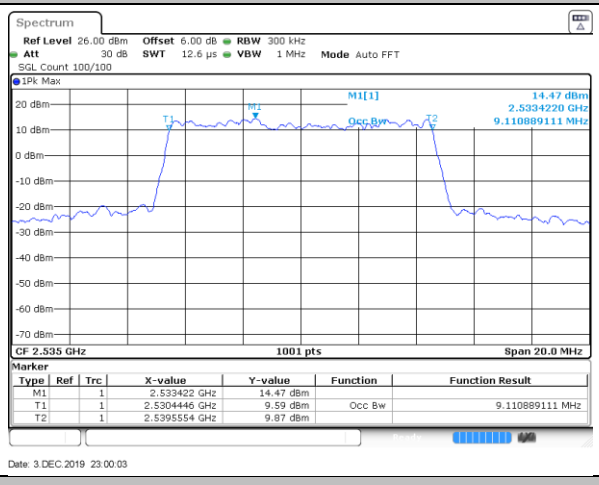

### Lowest Channel / 10MHz / 64QAM



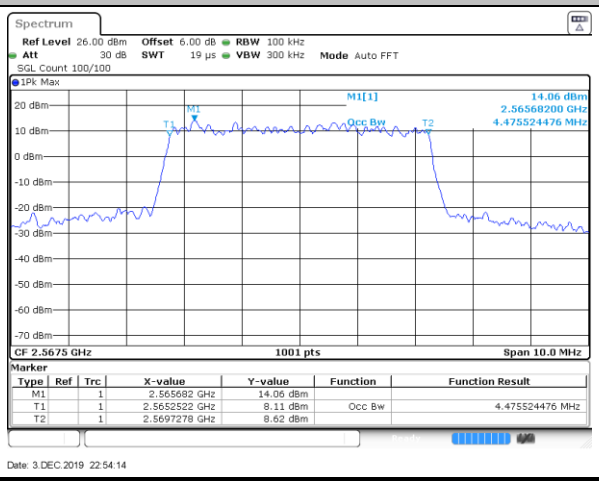

### Middle Channel / 5MHz / 64QAM



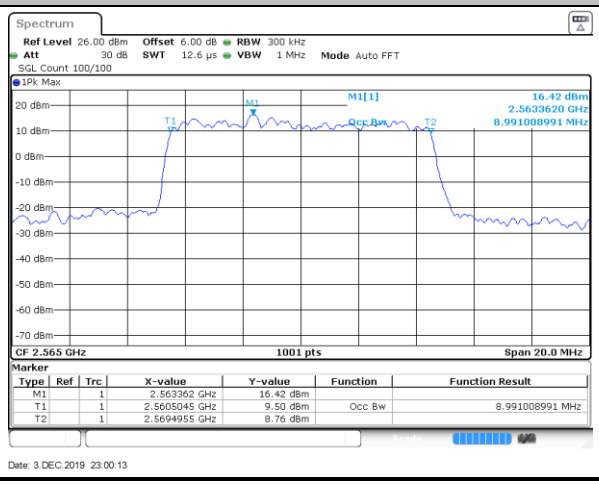

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

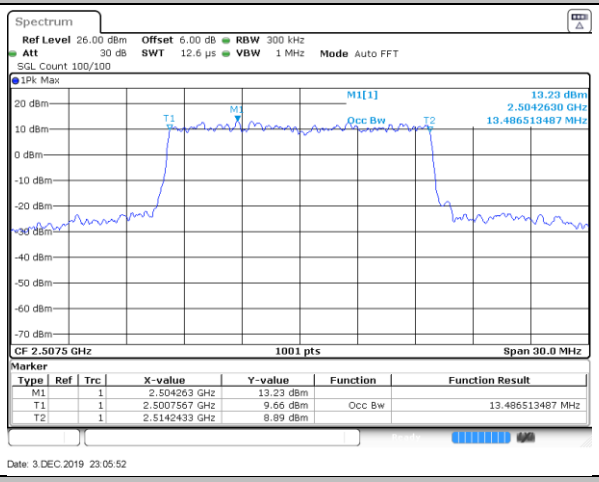



### Highest Channel / 10MHz / 64QAM

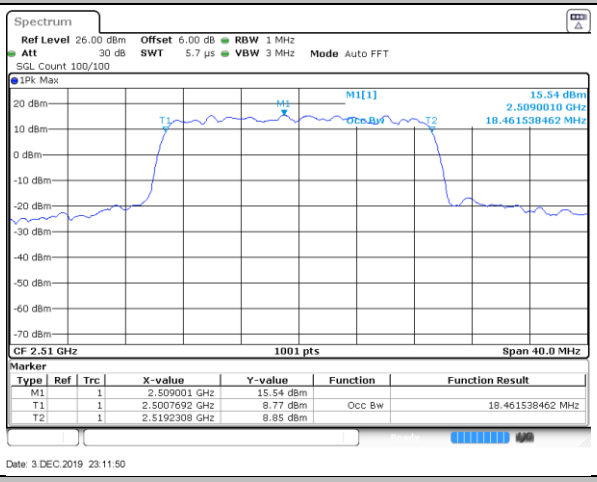


## LTE Band 7

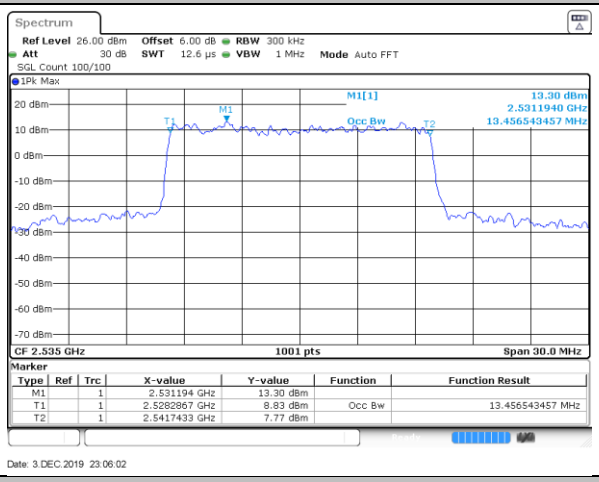
### Lowest Channel / 15MHz / 64QAM



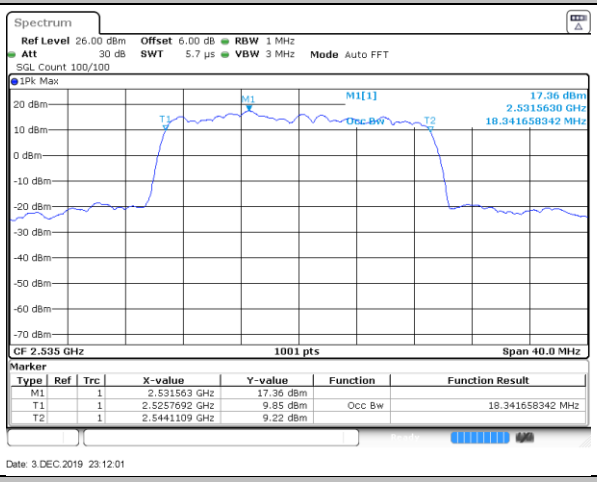

### Lowest Channel / 20MHz / 64QAM



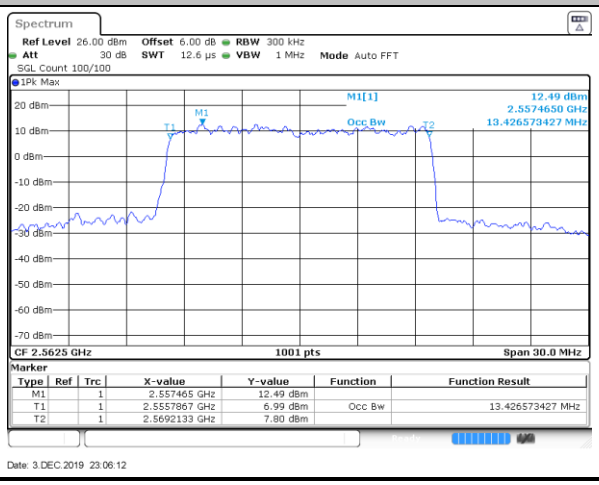

### Middle Channel / 15MHz / 64QAM



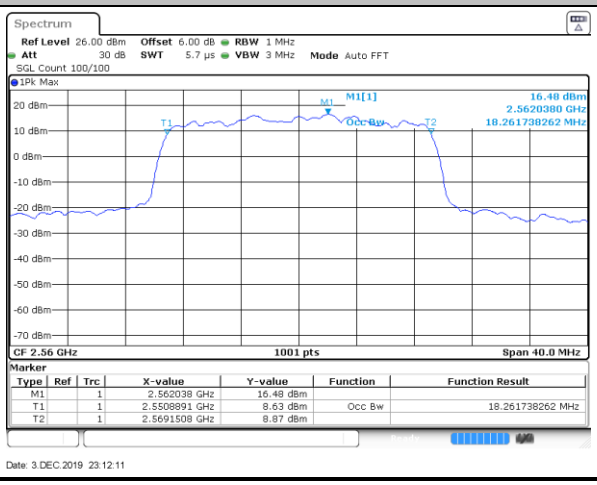

### Middle Channel / 20MHz / 64QAM




### Highest Channel / 15MHz / 64QAM



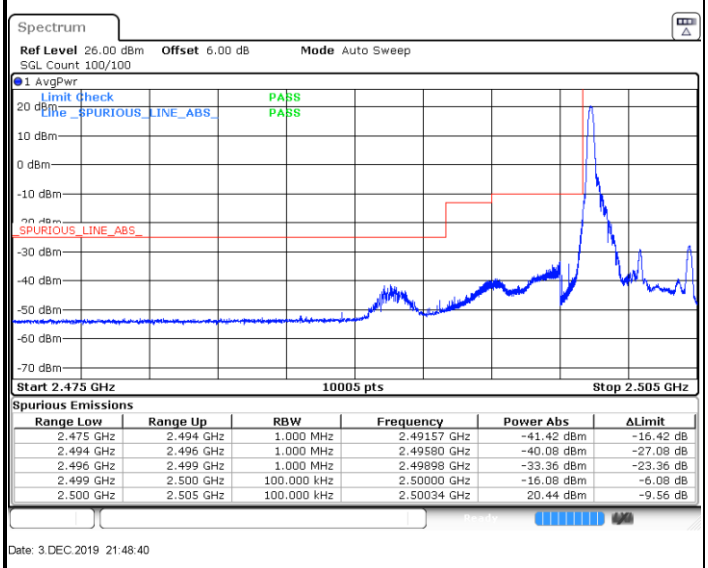

### Highest Channel / 20MHz / 64QAM



# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

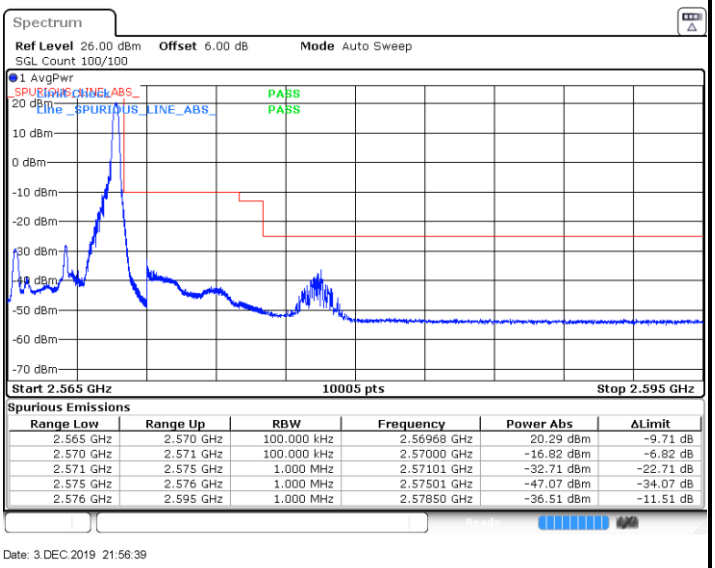



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49157 GHz | -41.42 dBm | -16.42 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49580 GHz | -40.08 dBm | -27.08 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49898 GHz | -33.36 dBm | -23.36 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.50000 GHz | -16.08 dBm | -6.08 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50034 GHz | 20.44 dBm | -9.56 dB |

Date: 3.DEC.2019 21:48:40

### Highest Band Edge / 1 RB

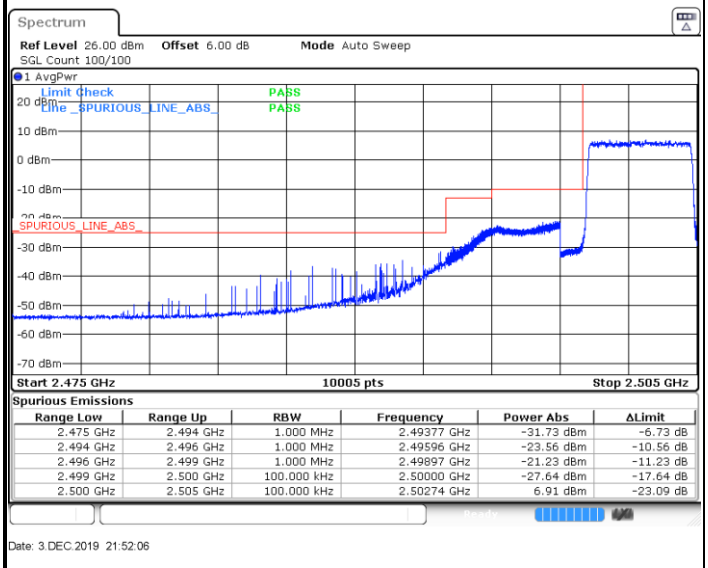



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56968 GHz | 20.29 dBm | -9.71 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57000 GHz | -16.82 dBm | -6.82 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57101 GHz | -32.71 dBm | -22.71 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57501 GHz | -47.07 dBm | -34.07 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57850 GHz | -36.51 dBm | -11.51 dB |

Date: 3.DEC.2019 21:56:39

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49377 GHz | -31.73 dBm | -6.73 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49596 GHz | -23.56 dBm | -10.56 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49897 GHz | -21.23 dBm | -11.23 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.50000 GHz | -27.64 dBm | -17.64 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50274 GHz | 6.91 dBm | -23.09 dB |

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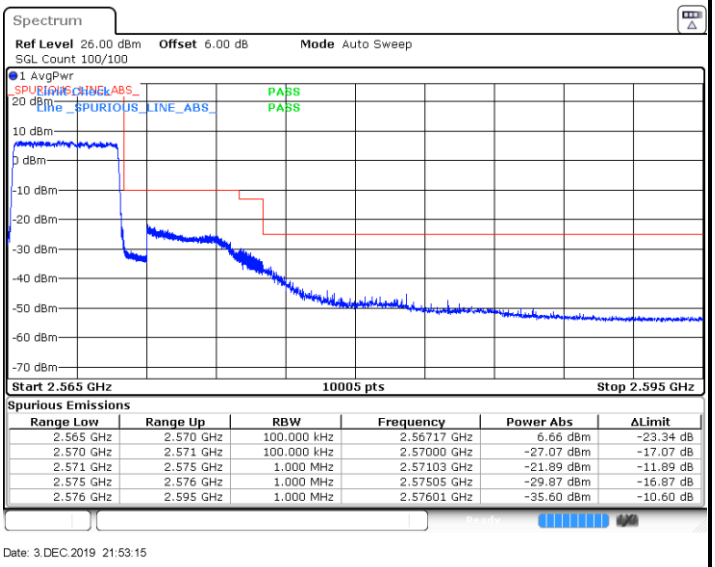
### Highest Band Edge / Full RB



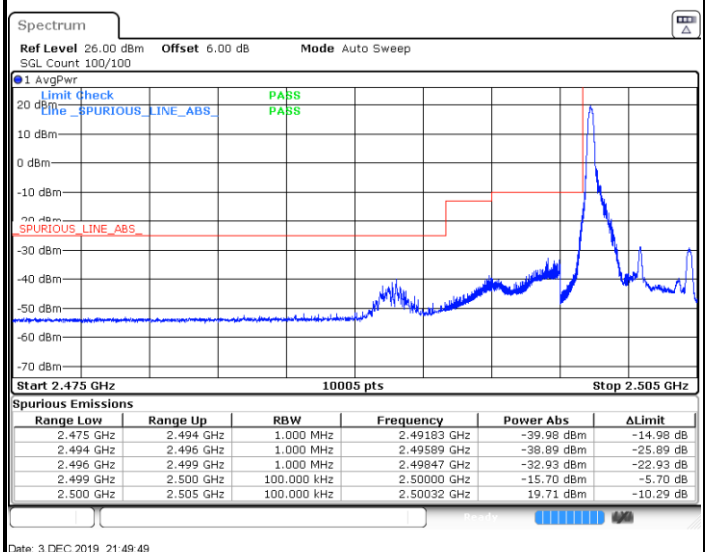

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56717 GHz | 6.66 dBm | -23.34 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57000 GHz | -27.07 dBm | -17.07 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57103 GHz | -21.89 dBm | -11.89 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57505 GHz | -29.87 dBm | -16.87 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57601 GHz | -35.60 dBm | -10.60 dB |

Date: 3.DEC.2019 21:53:15

## LTE Band 7 / 5MHz / 16QAM

### Lowest Band Edge / 1 RB

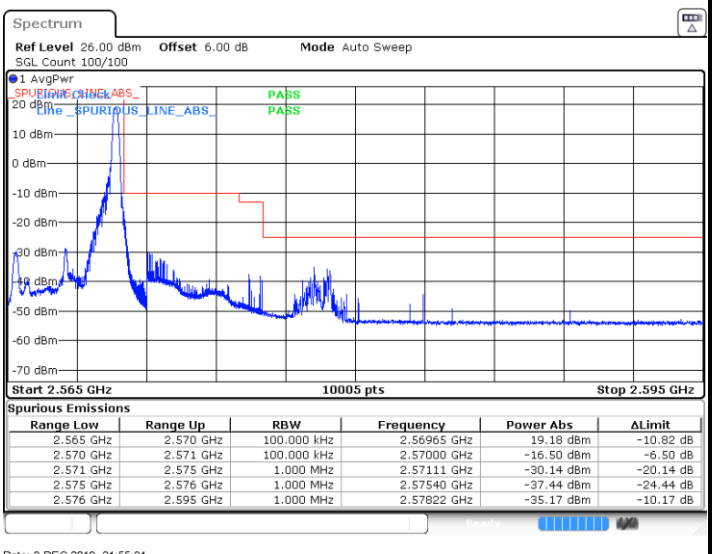



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49183 GHz | -39.98 dBm | -14.98 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49589 GHz | -38.89 dBm | -25.89 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49847 GHz | -32.93 dBm | -22.93 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.50000 GHz | -15.70 dBm | -5.70 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50032 GHz | 19.71 dBm | -10.29 dB |

Date: 3.DEC.2019 21:49:49

### Highest Band Edge / 1 RB

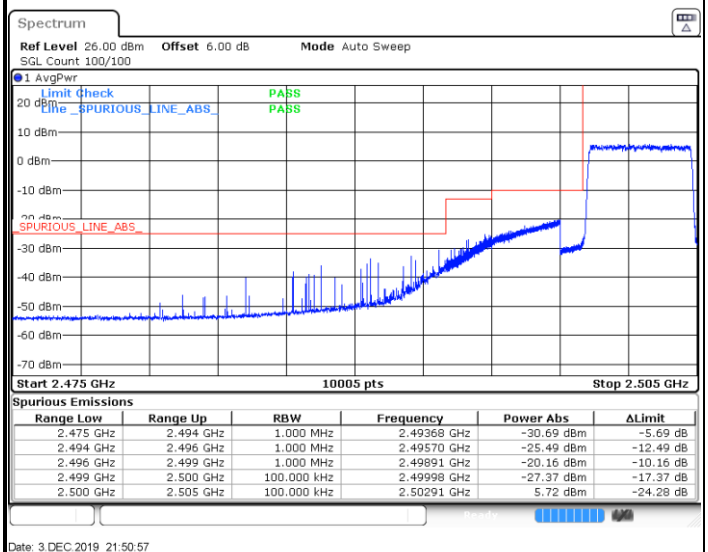



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56965 GHz | 19.18 dBm | -10.82 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57000 GHz | -16.50 dBm | -6.50 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57111 GHz | -30.14 dBm | -20.14 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57540 GHz | -37.44 dBm | -24.44 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57822 GHz | -35.17 dBm | -10.17 dB |

Date: 3.DEC.2019 21:55:31

### Lowest Band Edge / Full RB

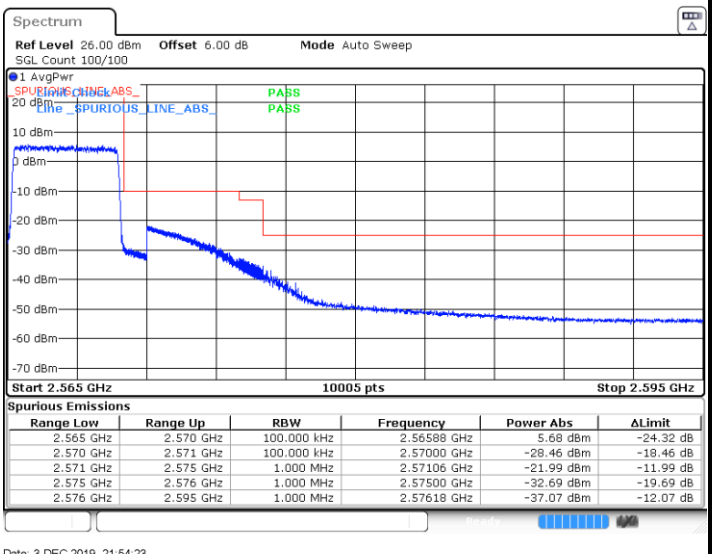



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49368 GHz | -30.69 dBm | -5.69 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49570 GHz | -25.49 dBm | -12.49 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49891 GHz | -20.16 dBm | -10.16 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.49998 GHz | -27.37 dBm | -17.37 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50291 GHz | 5.72 dBm | -24.28 dB |

Date: 3.DEC.2019 21:50:57

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56588 GHz | 5.68 dBm | -24.32 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57000 GHz | -28.46 dBm | -18.46 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57106 GHz | -21.99 dBm | -11.99 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57500 GHz | -32.69 dBm | -19.69 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57618 GHz | -37.07 dBm | -12.07 dB |

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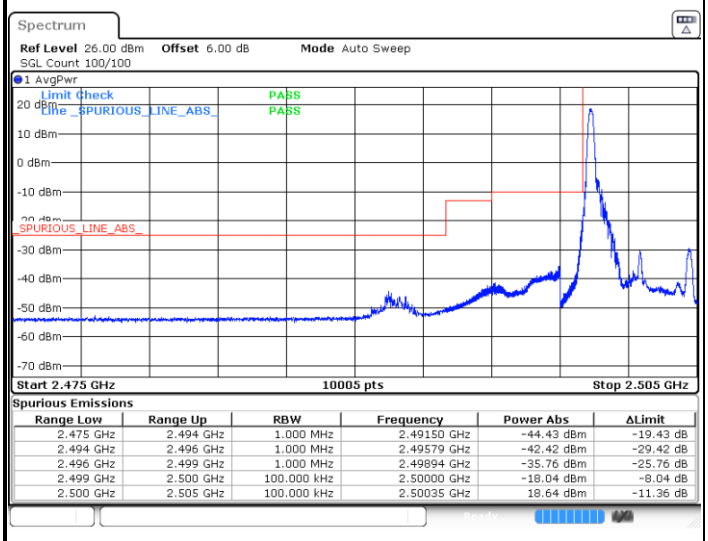
## LTE Band 7 / 5MHz / 64QAM

### Lowest Band Edge / 1RB

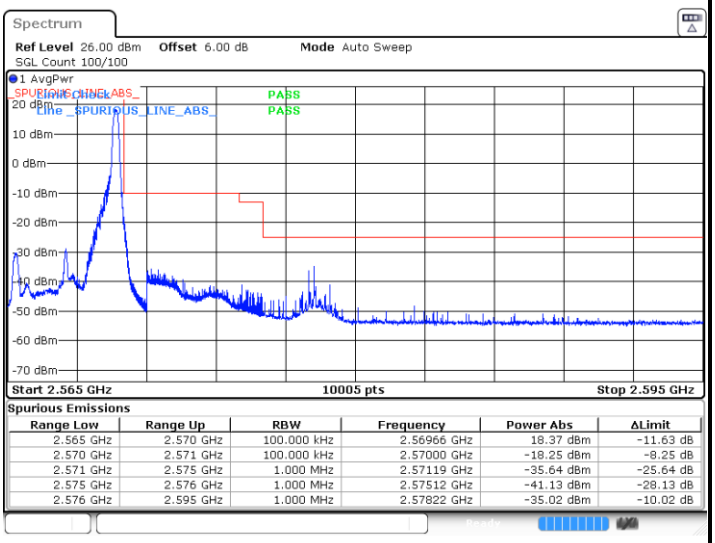



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49150 GHz | -44.43 dBm | -19.43 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49579 GHz | -42.42 dBm | -29.42 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49894 GHz | -35.76 dBm | -25.76 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.50000 GHz | -18.04 dBm | -8.04 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50035 GHz | 18.64 dBm | -11.36 dB |

Date: 3.DEC.2019 23:31:08

### Highest Band Edge / 1 RB

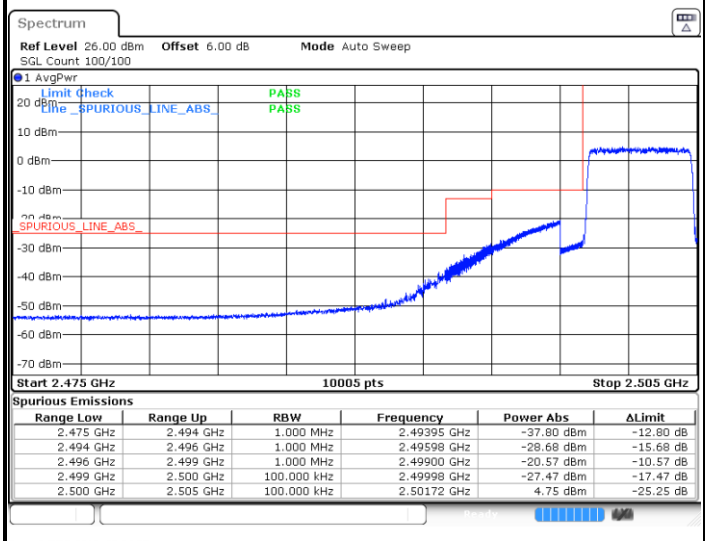



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56966 GHz | 18.37 dBm | -11.63 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57000 GHz | -18.25 dBm | -8.25 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57119 GHz | -35.64 dBm | -25.64 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57512 GHz | -41.13 dBm | -28.13 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57822 GHz | -35.02 dBm | -10.02 dB |

Date: 3.DEC.2019 22:58:35

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49395 GHz | -37.80 dBm | -12.80 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49598 GHz | -28.68 dBm | -15.68 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49900 GHz | -20.57 dBm | -10.57 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.49998 GHz | -27.47 dBm | -17.47 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50172 GHz | 4.75 dBm | -25.25 dB |

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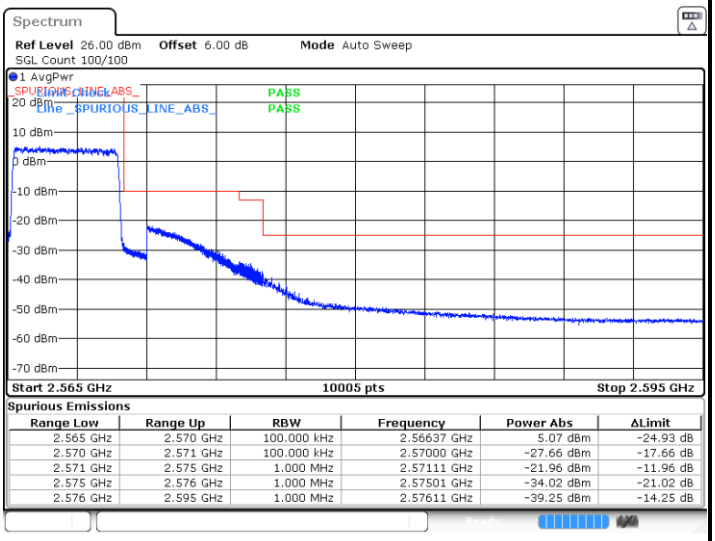
### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56637 GHz | 5.07 dBm | -24.93 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57000 GHz | -27.66 dBm | -17.66 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57111 GHz | -21.96 dBm | -11.96 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57501 GHz | -34.02 dBm | -21.02 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57611 GHz | -39.25 dBm | -14.25 dB |

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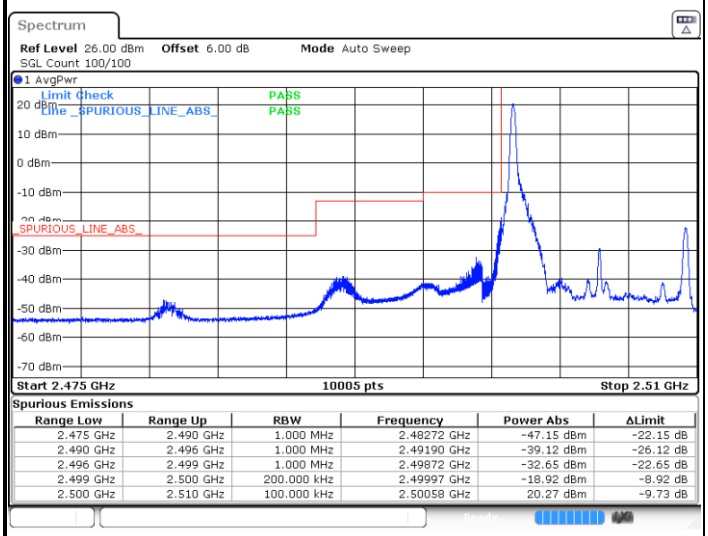
## LTE Band 7 / 10MHz / QPSK

### Lowest Band Edge / 1 RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48272 GHz | -47.15 dBm | -22.15 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49190 GHz | -39.12 dBm | -26.12 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49872 GHz | -32.65 dBm | -22.65 dB |
| 2.499 GHz | 2.500 GHz | 200.000 kHz | 2.49997 GHz | -18.92 dBm | -8.92 dB |
| 2.500 GHz | 2.510 GHz | 100.000 kHz | 2.50058 GHz | 20.27 dBm | -9.73 dB |

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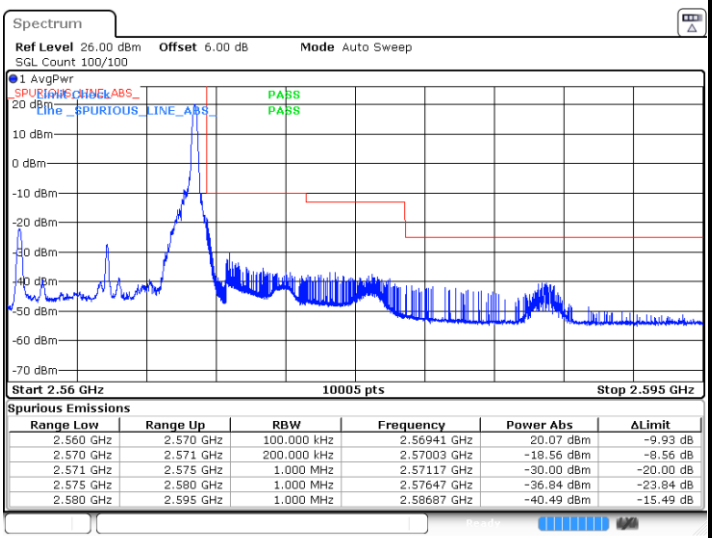
### Highest Band Edge / 1 RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56941 GHz | 20.07 dBm | -9.93 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57003 GHz | -18.56 dBm | -8.56 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57117 GHz | -30.00 dBm | -20.00 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57647 GHz | -36.84 dBm | -23.84 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58687 GHz | -40.49 dBm | -15.49 dB |

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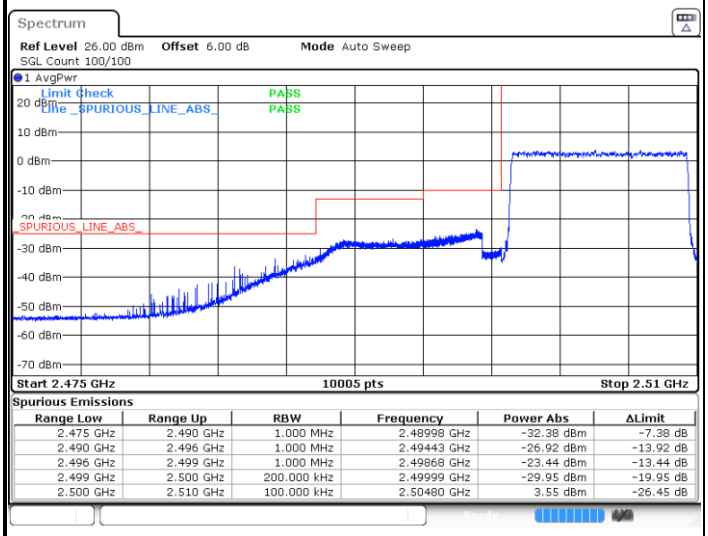
### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.48998 GHz | -32.38 dBm | -7.38 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49443 GHz | -26.92 dBm | -13.92 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49868 GHz | -23.44 dBm | -13.44 dB |
| 2.499 GHz | 2.500 GHz | 200.000 kHz | 2.49999 GHz | -29.95 dBm | -19.95 dB |
| 2.500 GHz | 2.510 GHz | 100.000 kHz | 2.50480 GHz | 3.55 dBm | -26.45 dB |

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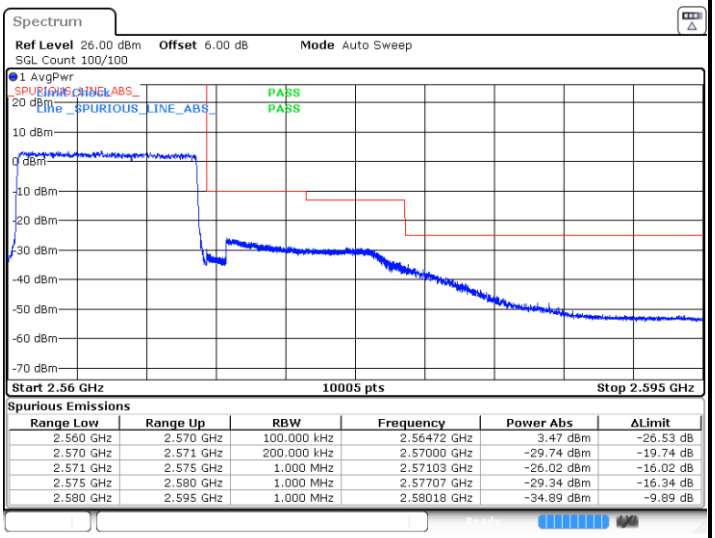
### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56472 GHz | 3.47 dBm | -26.53 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57000 GHz | -29.74 dBm | -19.74 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57103 GHz | -26.02 dBm | -16.02 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57707 GHz | -29.34 dBm | -16.34 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58018 GHz | -34.89 dBm | -9.89 dB |

Date: 3.DEC.2019 22:09:46