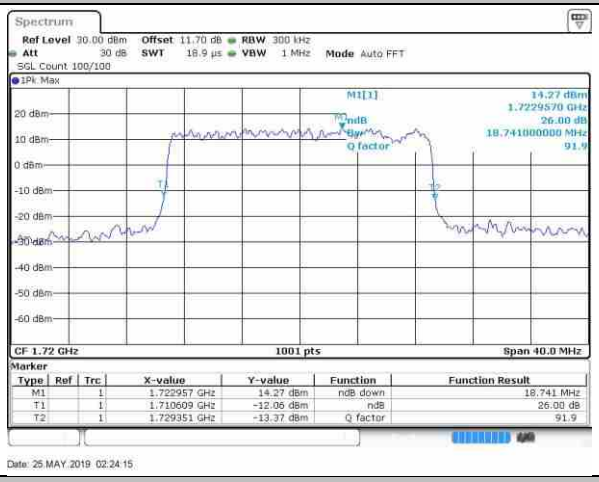
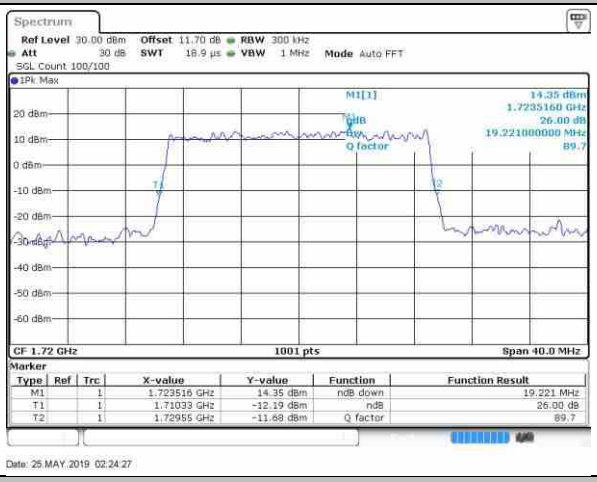
## LTE Band 66

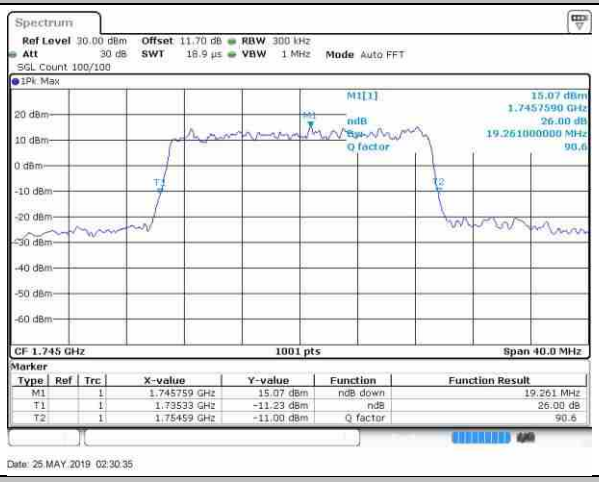
### Lowest Channel / 20MHz / QPSK



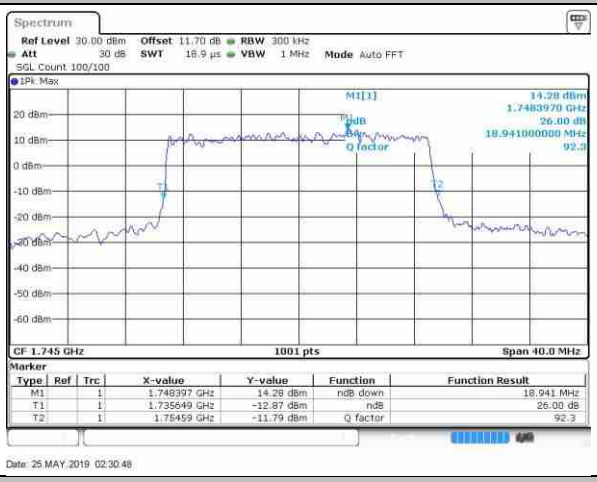

### Lowest Channel / 20MHz / 16QAM



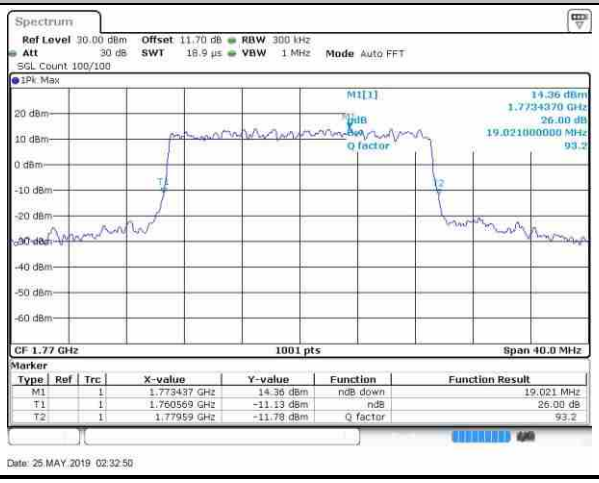

### Middle Channel / 20MHz / QPSK



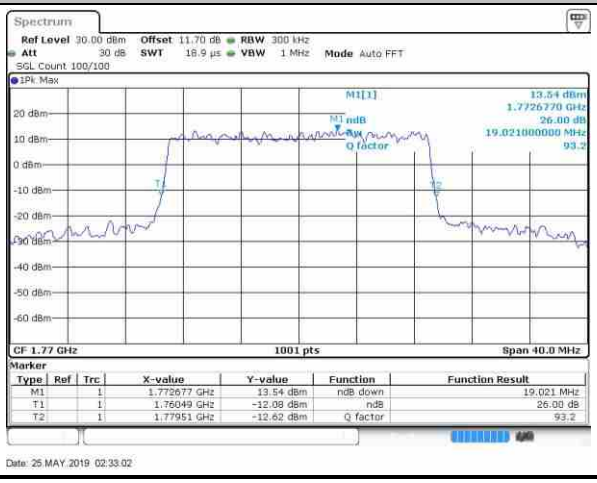

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

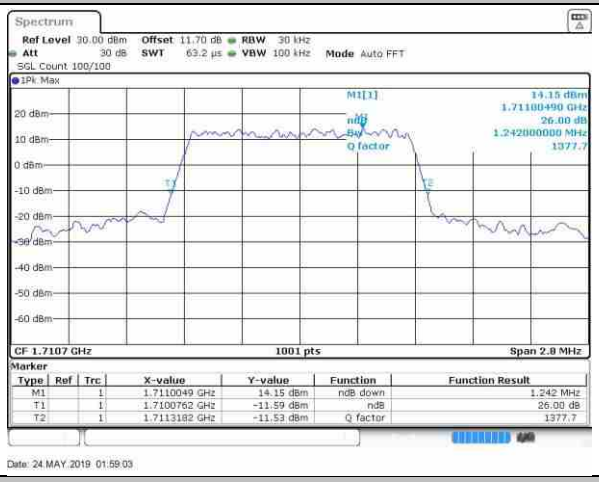



### Highest Channel / 20MHz / 16QAM

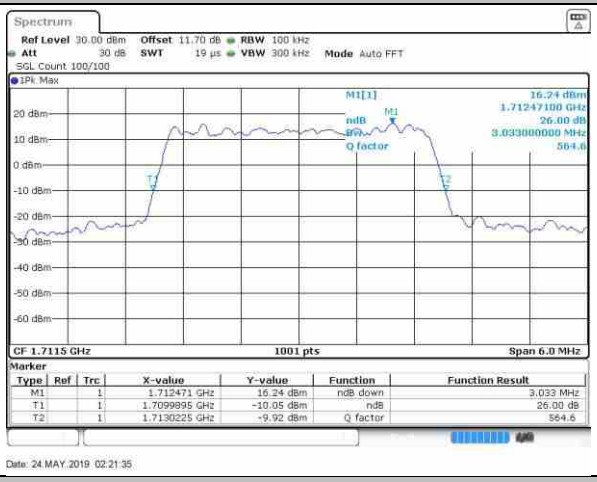


## LTE Band 66

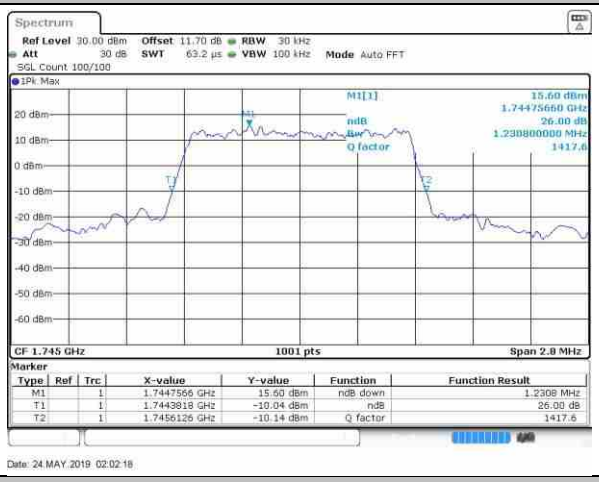
### Lowest Channel / 1.4MHz / 64QAM



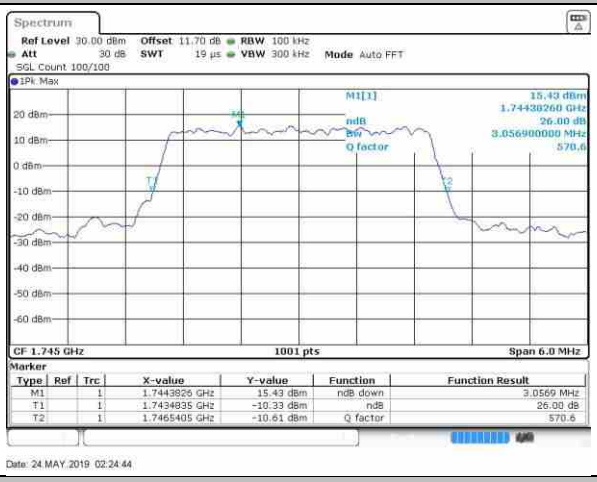

### Lowest Channel / 3MHz / 64QAM



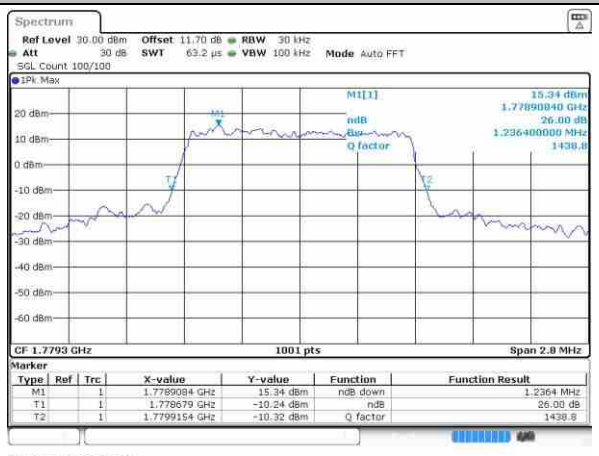

### Middle Channel / 20MHz / 64QAM



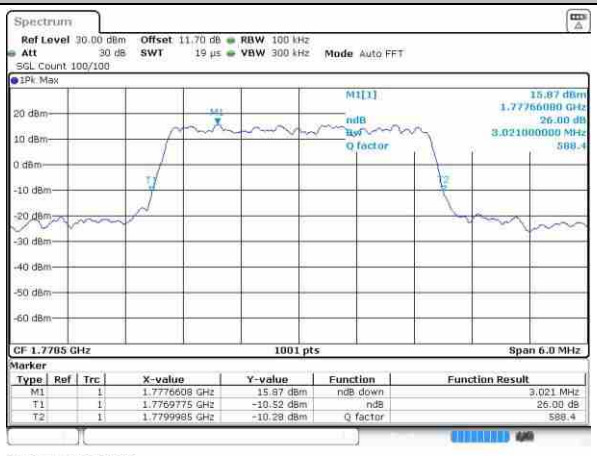

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

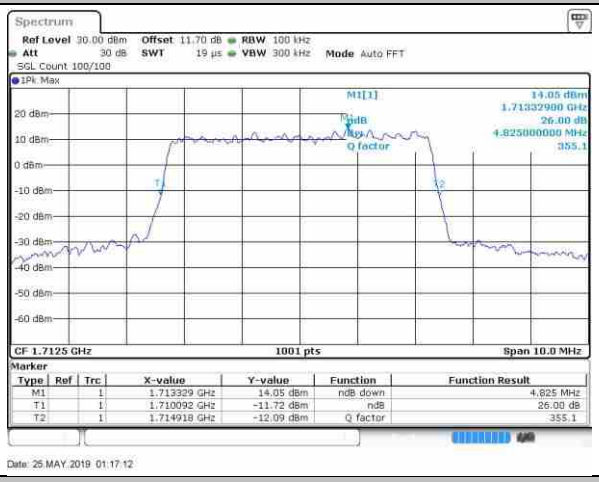



### Highest Channel / 3MHz / 64QAM

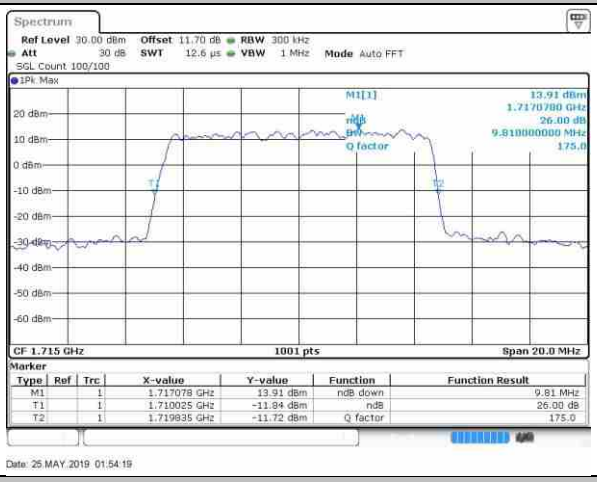


## LTE Band 66

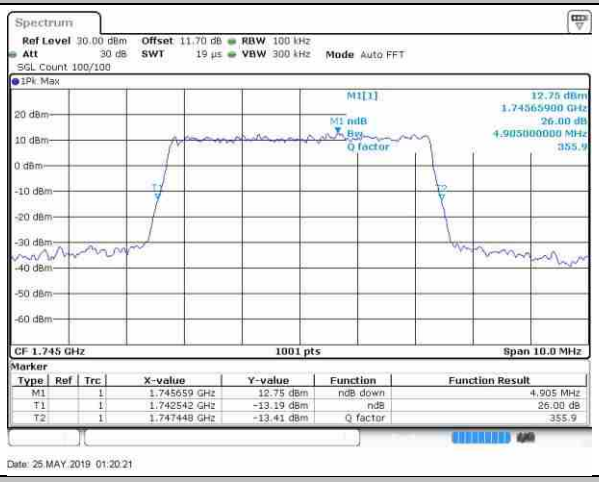
### Lowest Channel / 5MHz / 64QAM



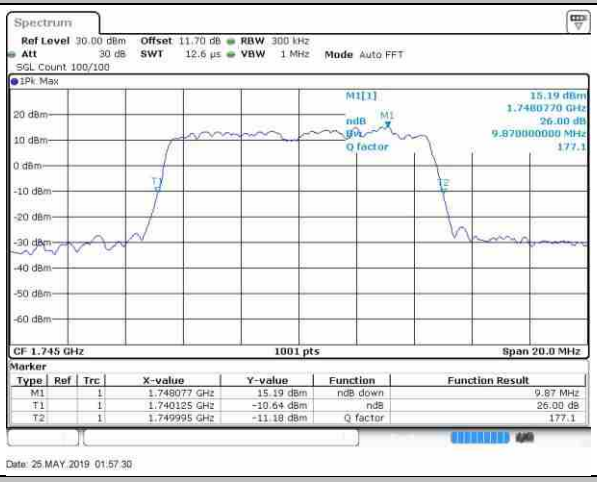

### Lowest Channel / 10MHz / 64QAM



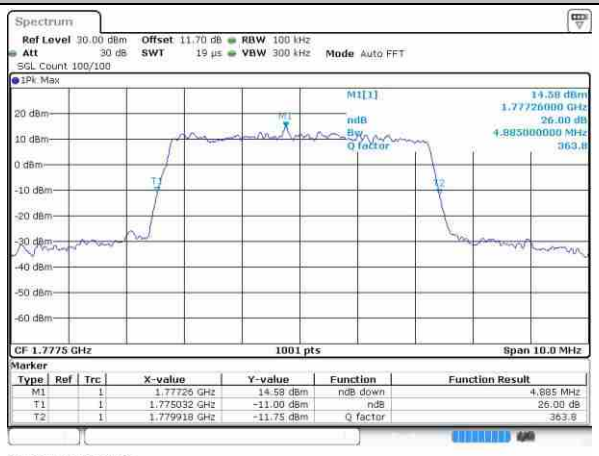

### Middle Channel / 5MHz / 64QAM



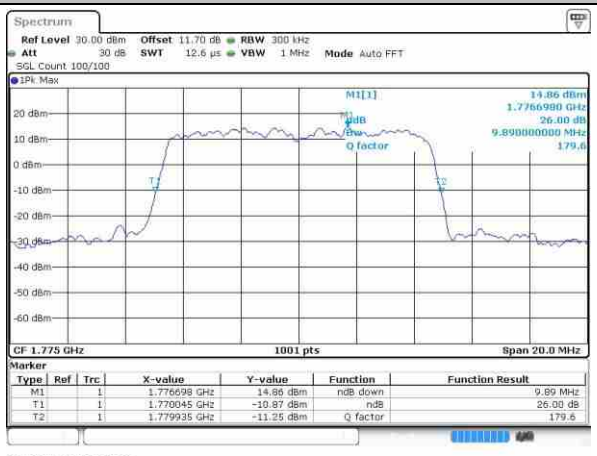

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

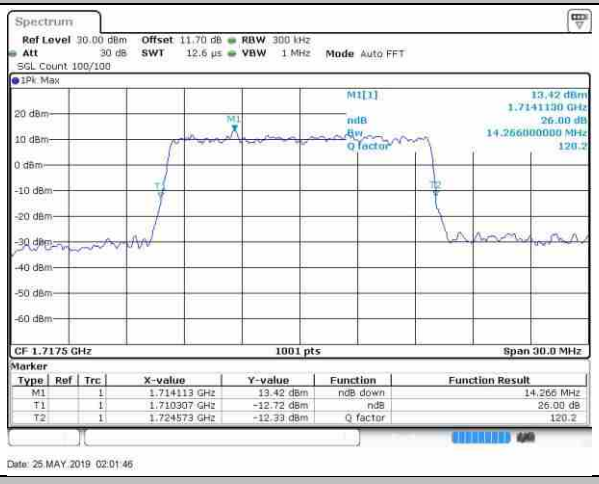



### Highest Channel / 10MHz / 64QAM

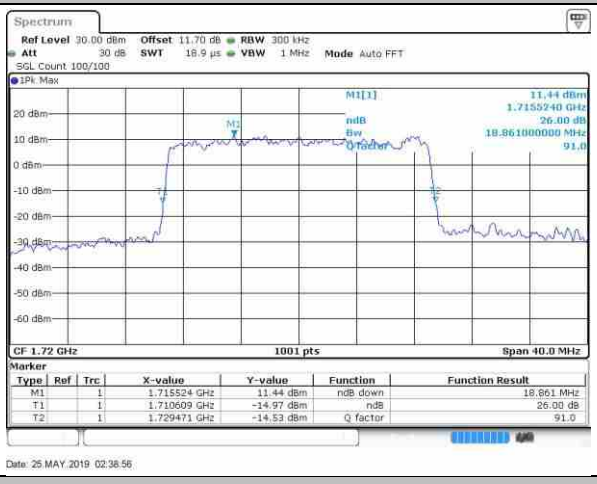


## LTE Band 66

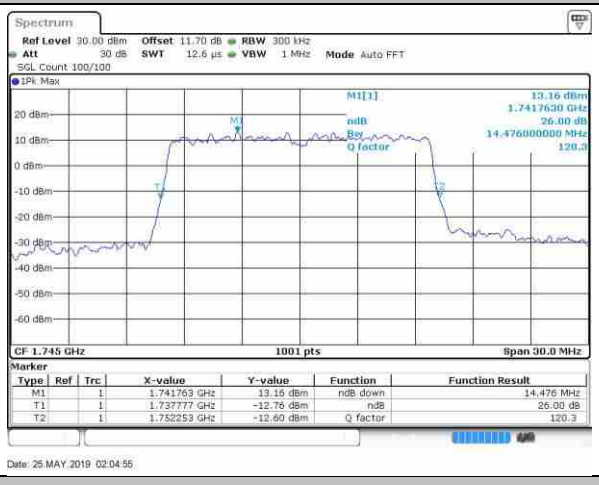
### Lowest Channel / 15MHz / 64QAM



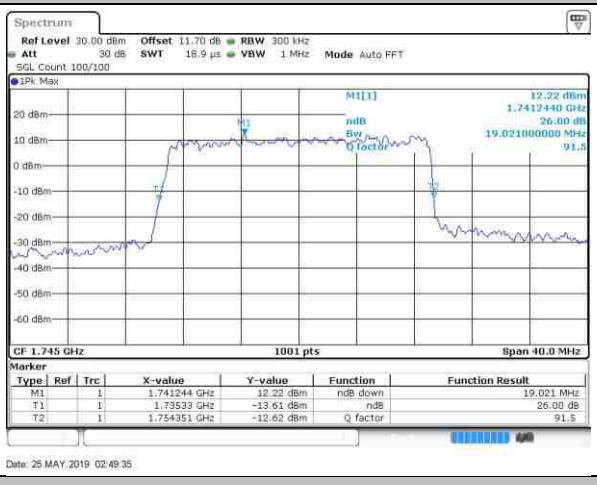

### Lowest Channel / 20MHz / 64QAM



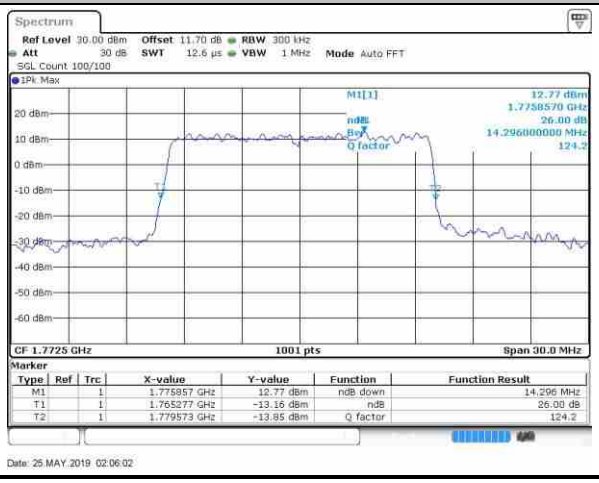

### Middle Channel / 15MHz / 64QAM



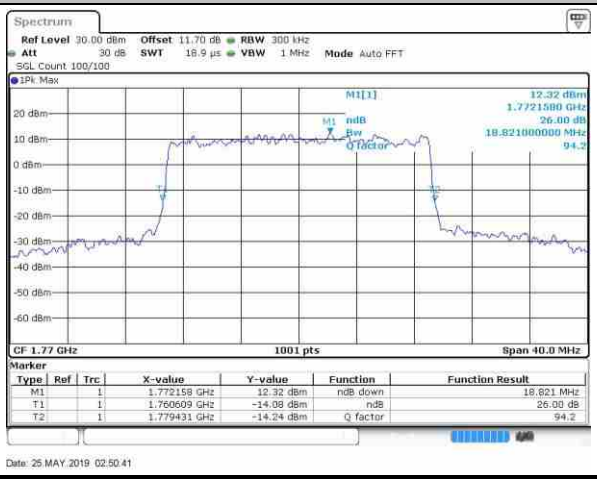

### Middle Channel / 20MHz / 64QAM




### Highest Channel / 15MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

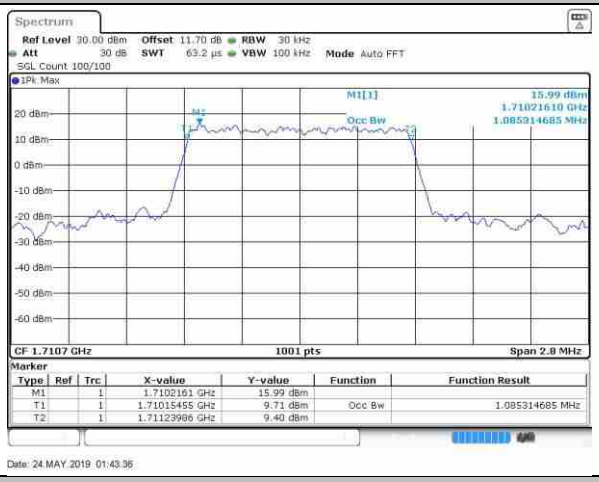


# Occupied Bandwidth

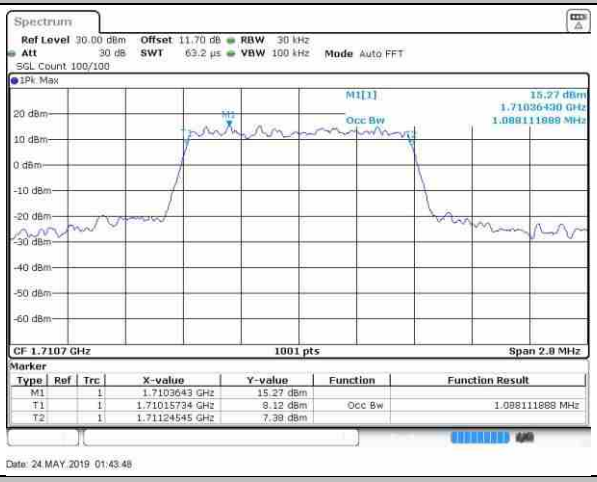
| Mode | LTE Band 66 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.09 | 2.72 | 2.72 | 4.50 | 4.48 | 9.03 | 9.03 | 13.40 | 13.43 | 17.94 | 17.86 |
| Middle CH | 1.09 | 1.09 | 2.72 | 2.74 | 4.49 | 4.49 | 9.07 | 8.97 | 13.43 | 13.40 | 17.90 | 17.90 |
| Highest CH | 1.09 | 1.09 | 2.73 | 2.71 | 4.49 | 4.50 | 8.99 | 9.03 | 13.37 | 13.46 | 17.90 | 17.82 |
| Mode | LTE Band 66 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.09 | - | 2.72 | - | 4.47 | - | 9.01 | - | 13.43 | - | 17.98 | - |
| Middle CH | 1.09 | - | 2.72 | - | 4.49 | - | 9.01 | - | 13.43 | - | 17.94 | - |
| Highest CH | 1.08 | - | 2.73 | - | 4.50 | - | 8.99 | - | 13.46 | - | 17.90 | - |

## LTE Band 66

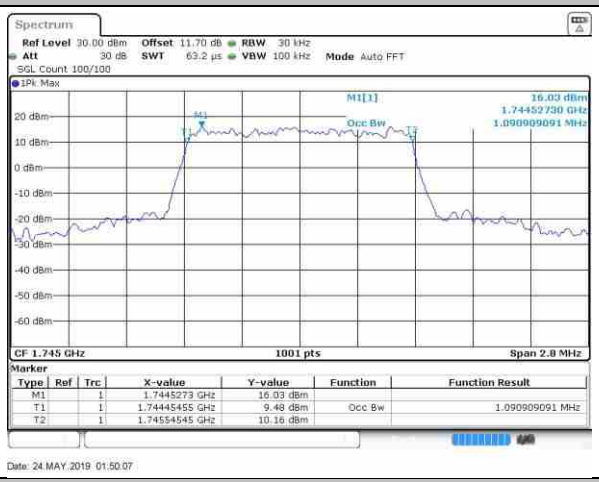
### Lowest Channel / 1.4MHz / QPSK



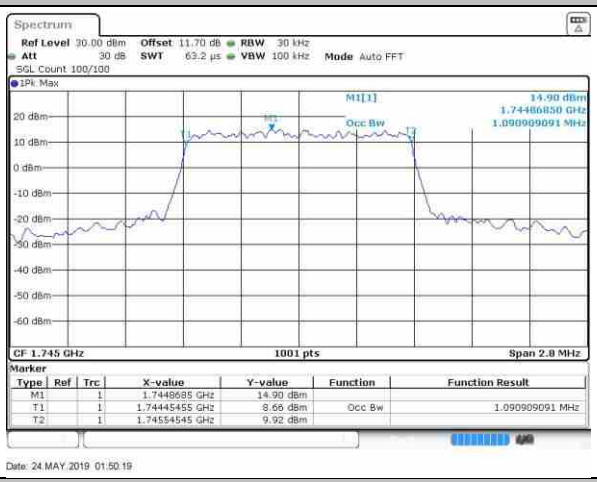

### Lowest Channel / 1.4MHz / 16QAM



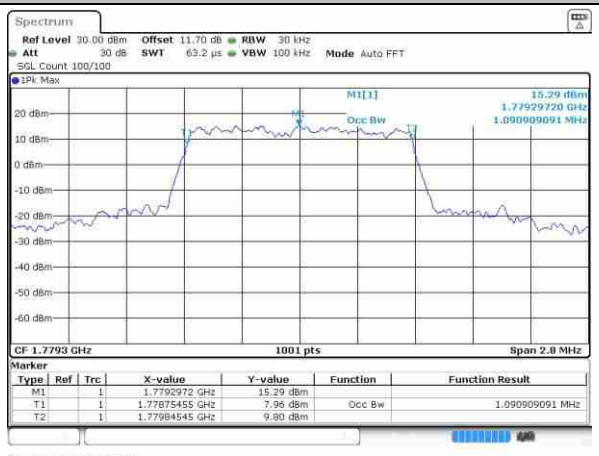

### Middle Channel / 1.4MHz / QPSK



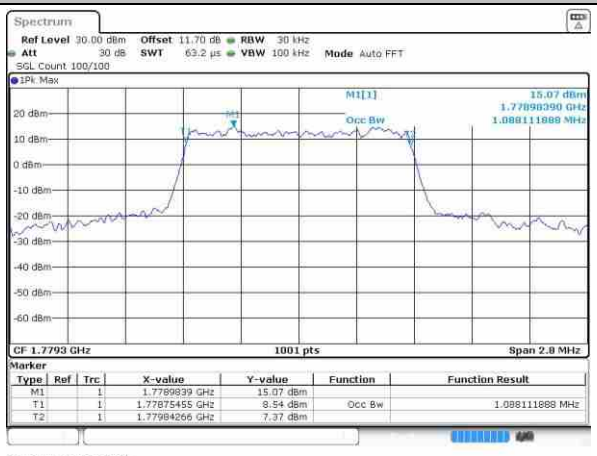

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

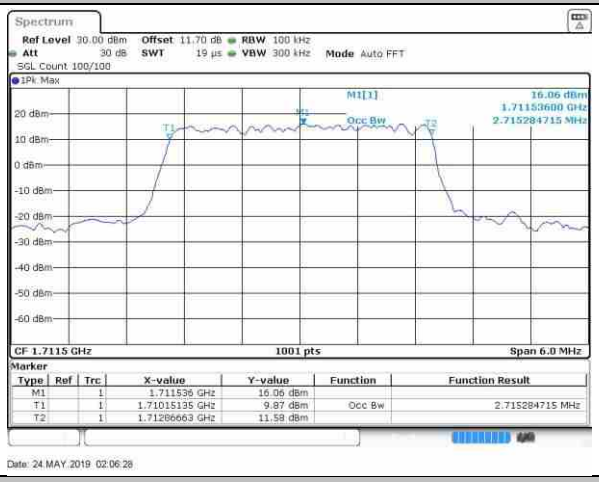



### Highest Channel / 1.4MHz / 16QAM

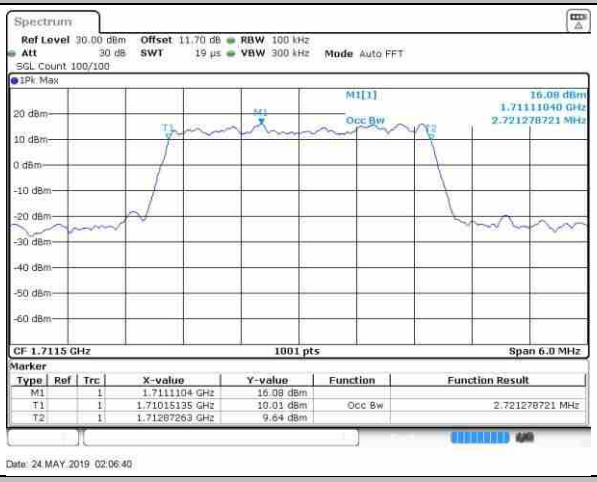


## LTE Band 66

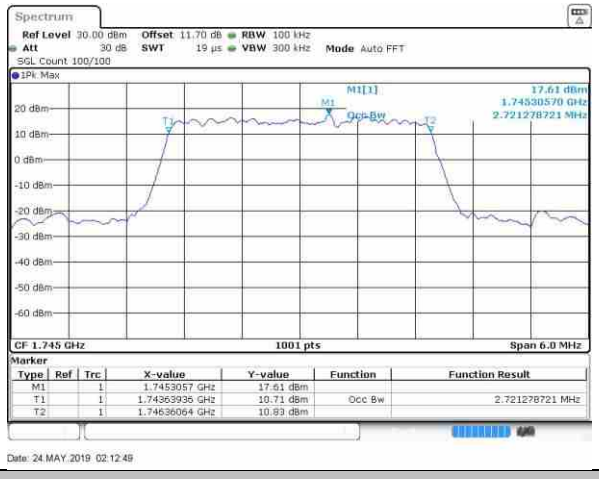
### Lowest Channel / 3MHz / QPSK



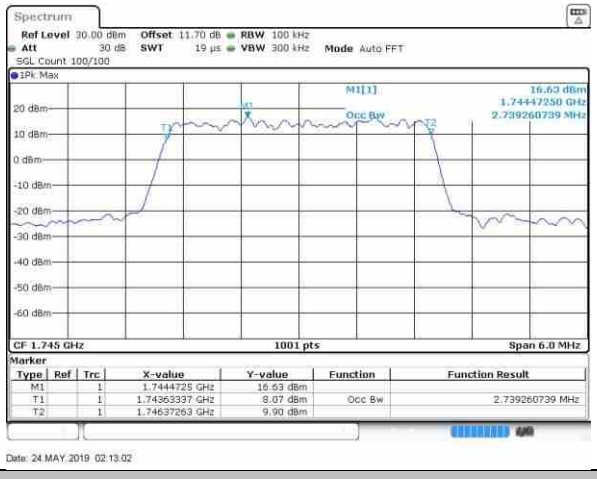

### Lowest Channel / 3MHz / 16QAM



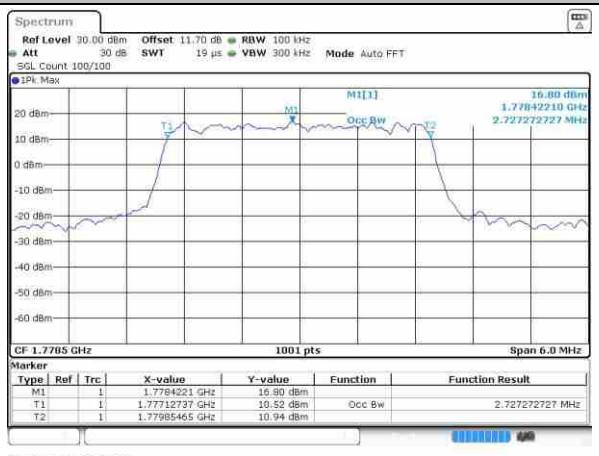

### Middle Channel / 3MHz / QPSK



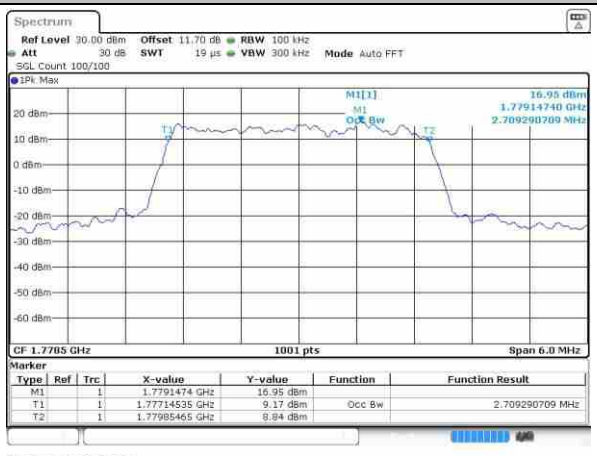

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

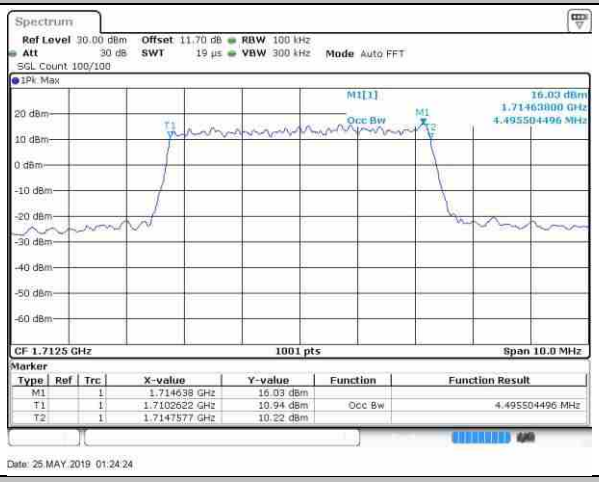



### Highest Channel / 3MHz / 16QAM

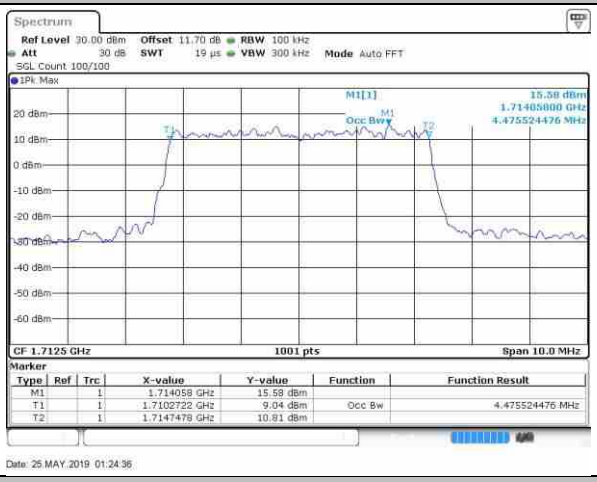


## LTE Band 66

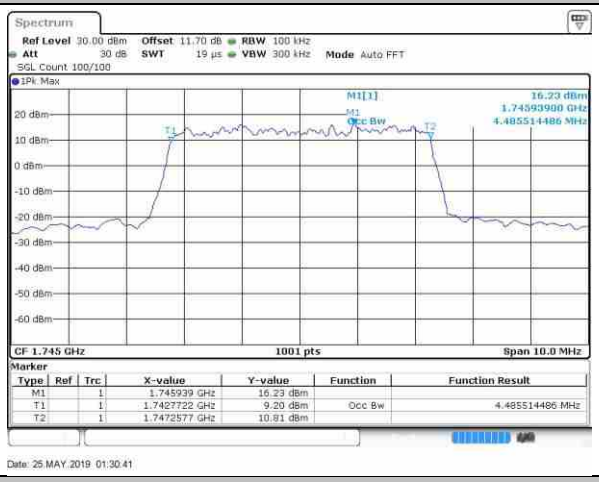
### Lowest Channel / 5MHz / QPSK



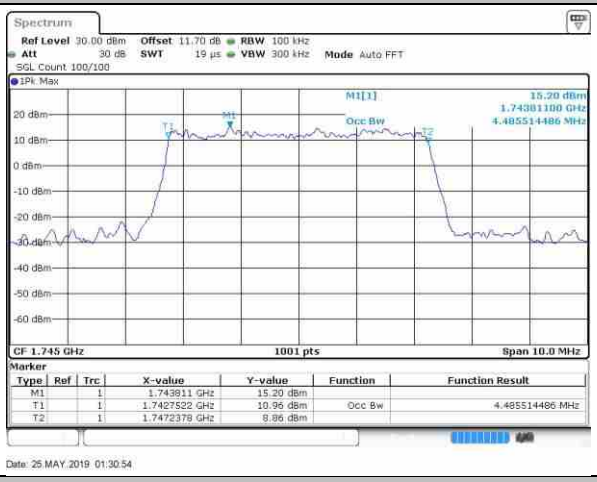

### Lowest Channel / 5MHz / 16QAM



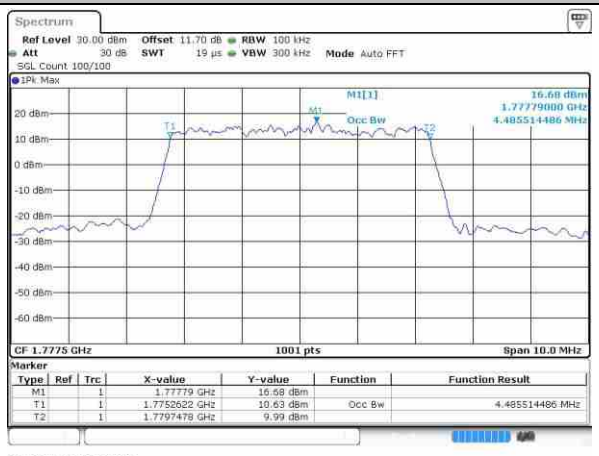

### Middle Channel / 5MHz / QPSK



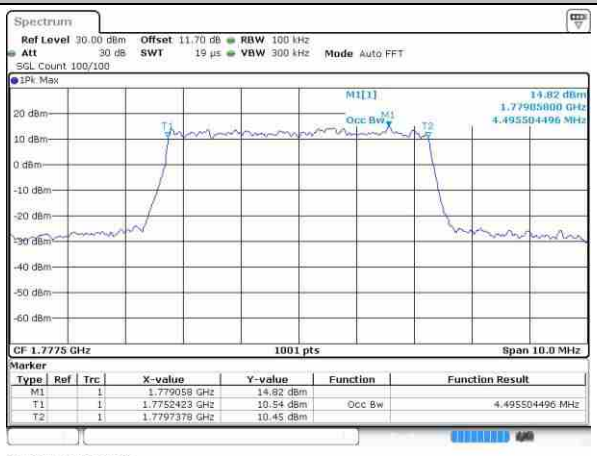

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

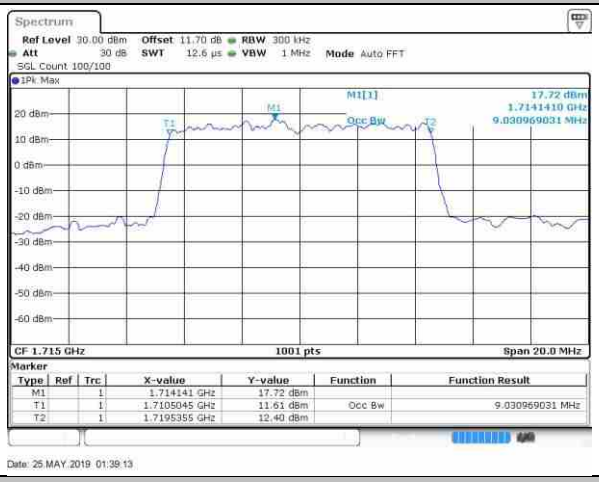



### Highest Channel / 5MHz / 16QAM

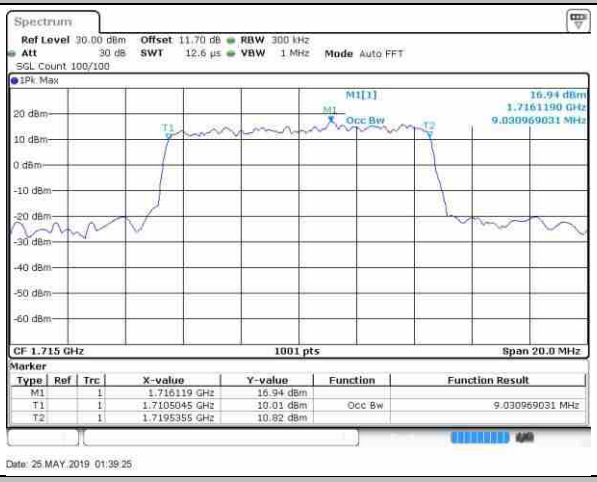


## LTE Band 66

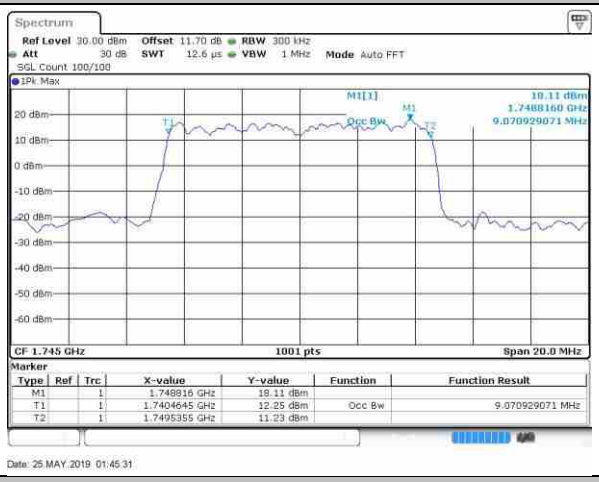
### Lowest Channel / 10MHz / QPSK



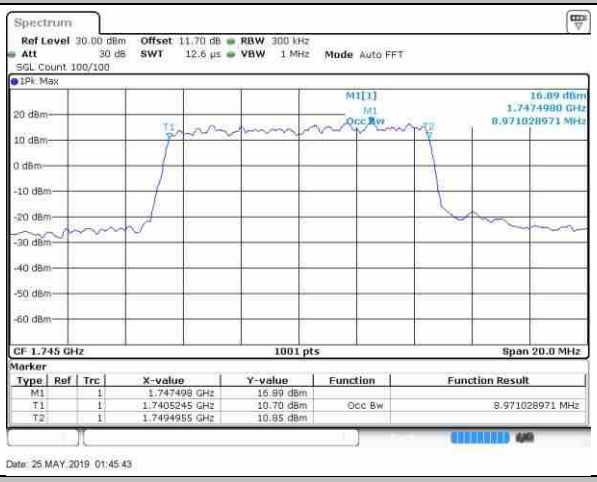

### Lowest Channel / 10MHz / 16QAM



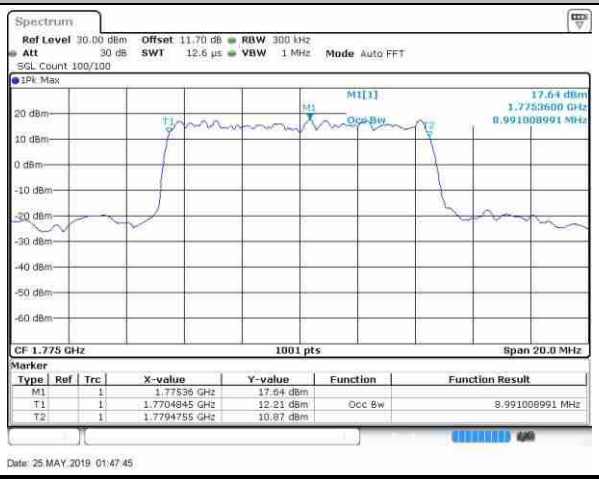

### Middle Channel / 10MHz / QPSK



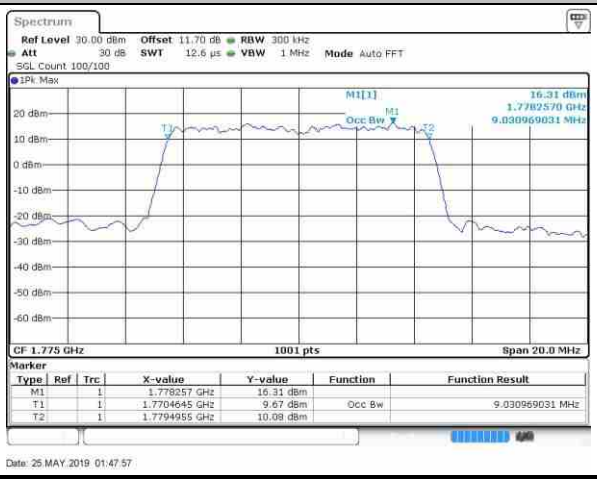

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

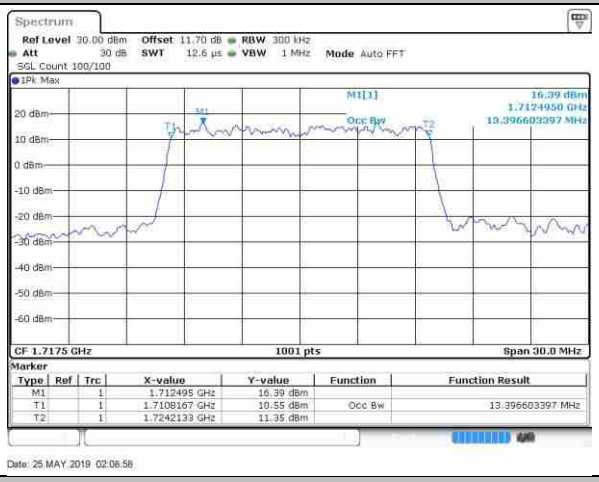



### Highest Channel / 10MHz / 16QAM

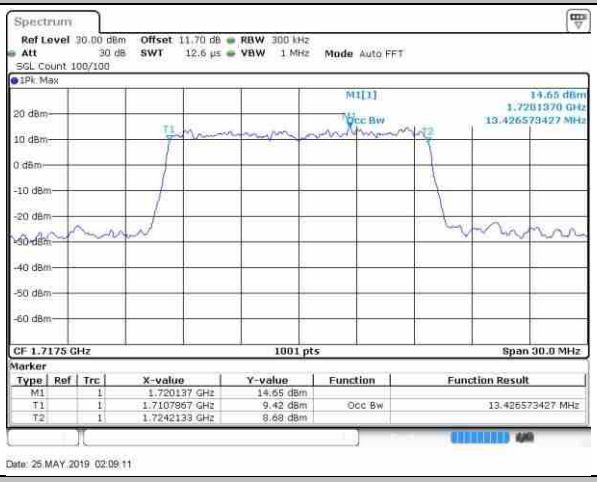


## LTE Band 66

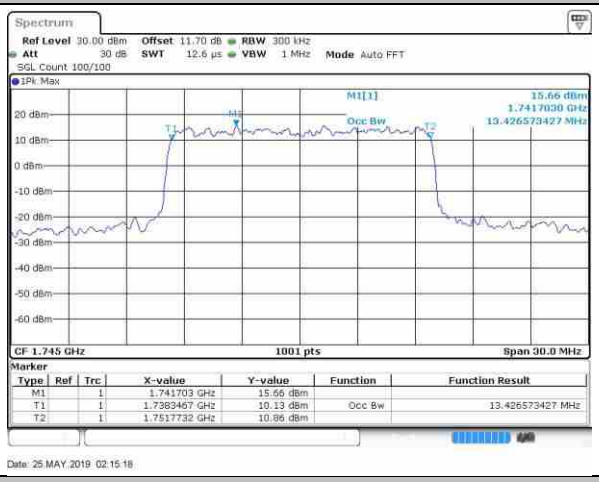
### Lowest Channel / 15MHz / QPSK



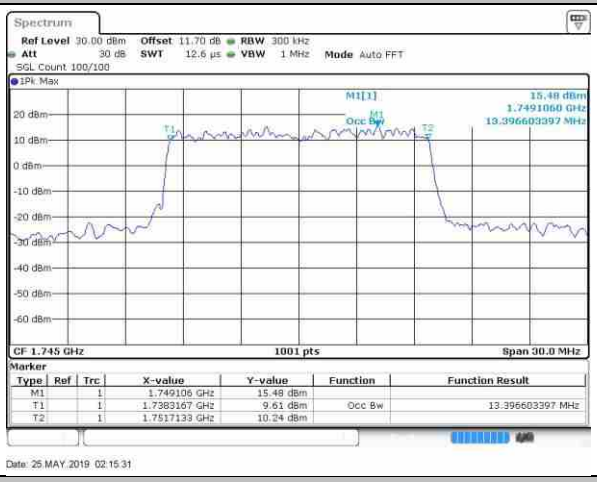

### Lowest Channel / 15MHz / 16QAM



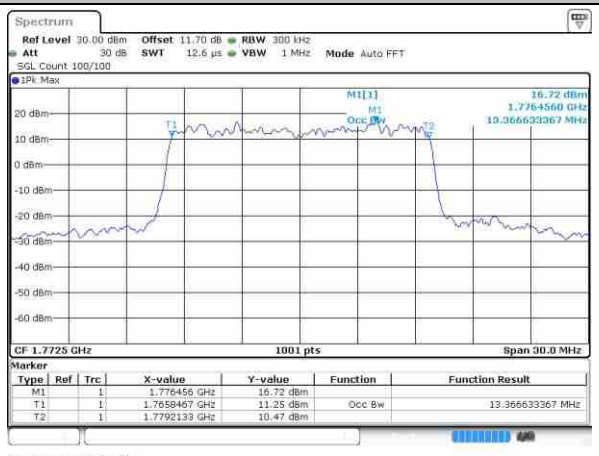

### Middle Channel / 15MHz / QPSK



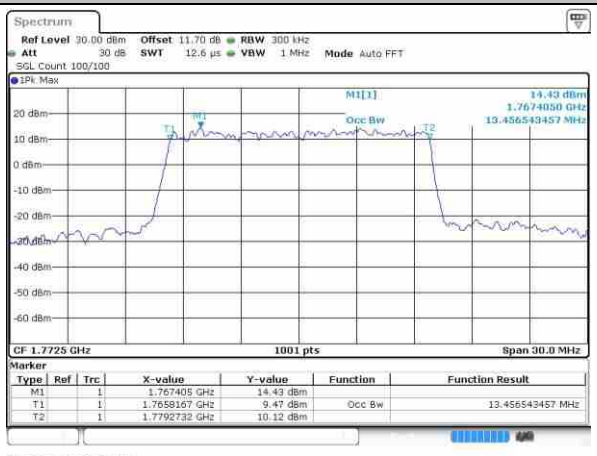

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

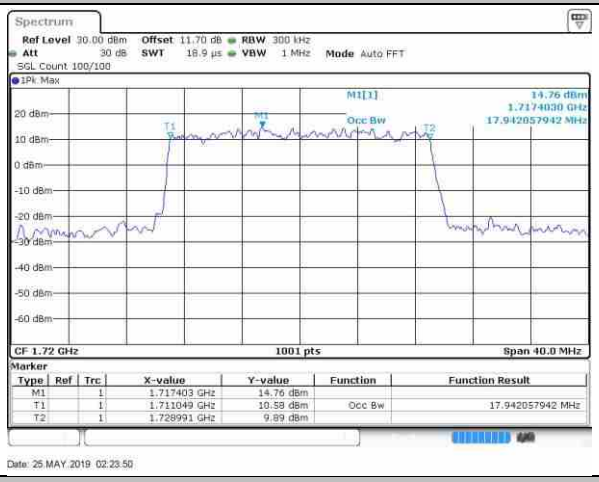



### Highest Channel / 15MHz / 16QAM

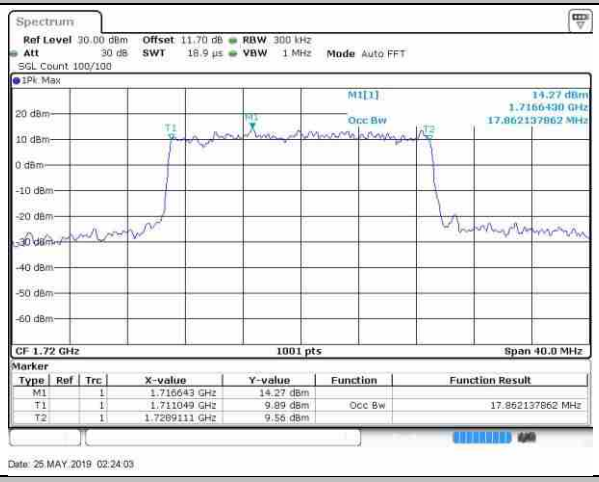


## LTE Band 66

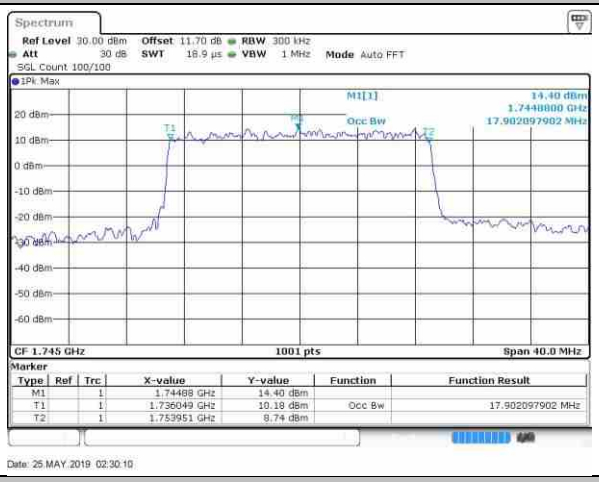
### Lowest Channel / 20MHz / QPSK



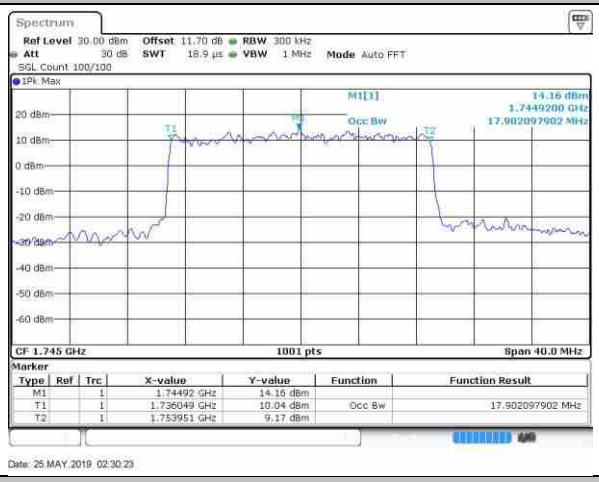

### Lowest Channel / 20MHz / 16QAM



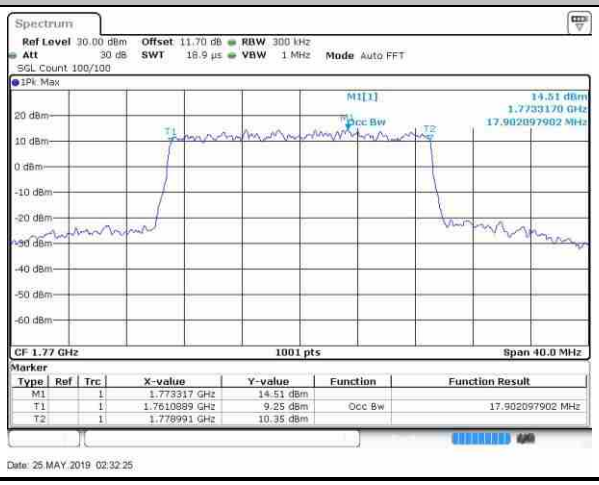

### Middle Channel / 20MHz / QPSK



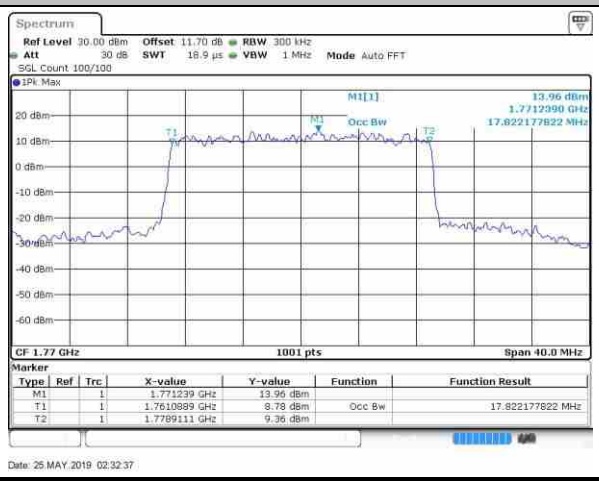

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

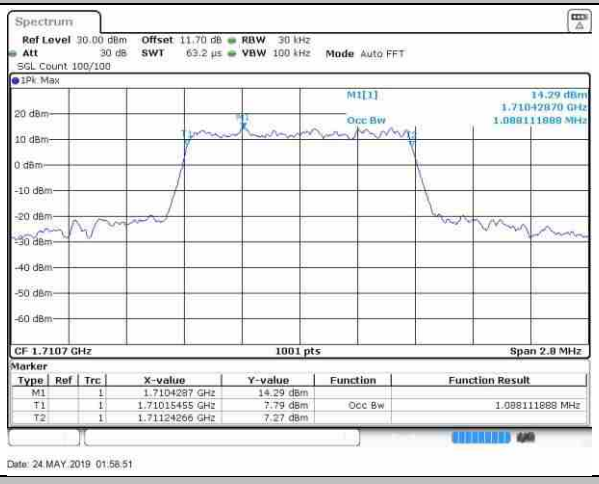



### Highest Channel / 20MHz / 16QAM

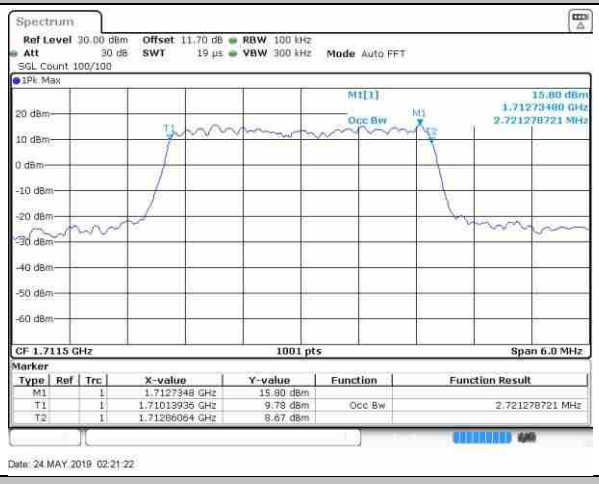


## LTE Band 66

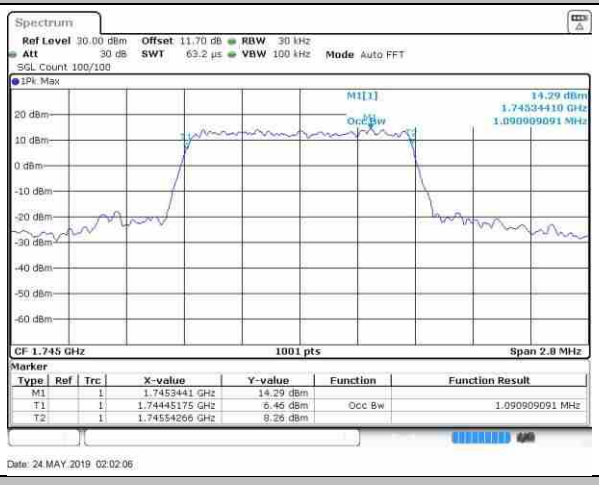
### Lowest Channel / 1.4MHz / 64QAM



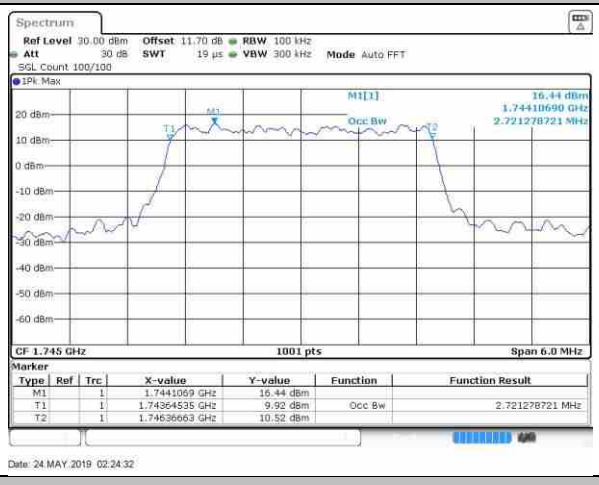

### Lowest Channel / 3MHz / 64QAM



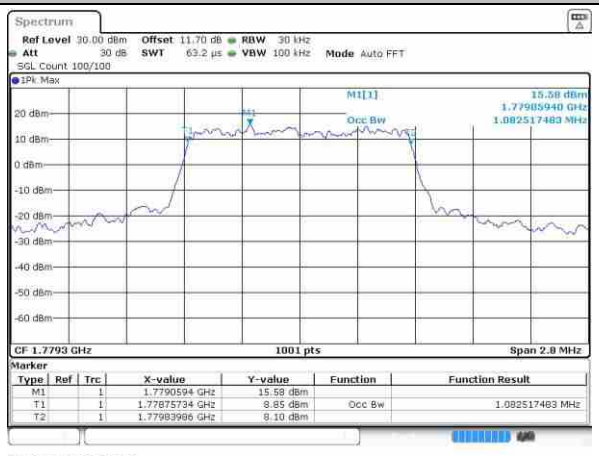

### Middle Channel / 20MHz / 64QAM



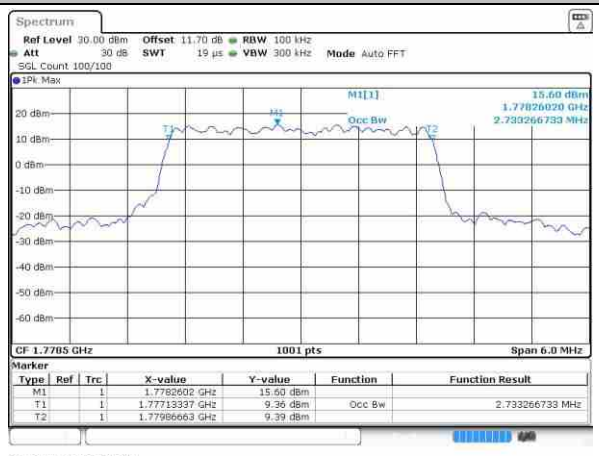

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

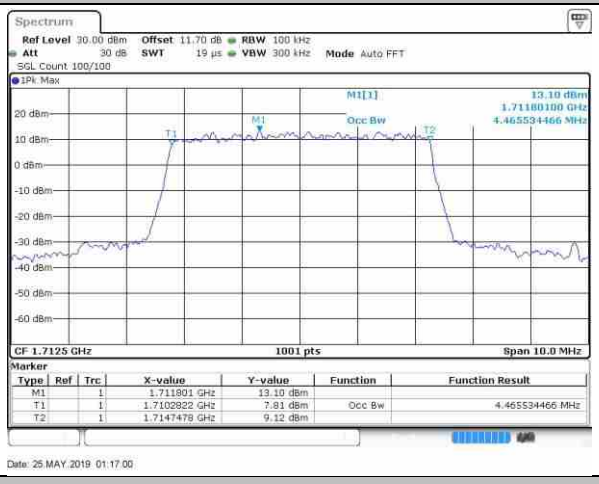



### Highest Channel / 3MHz / 64QAM

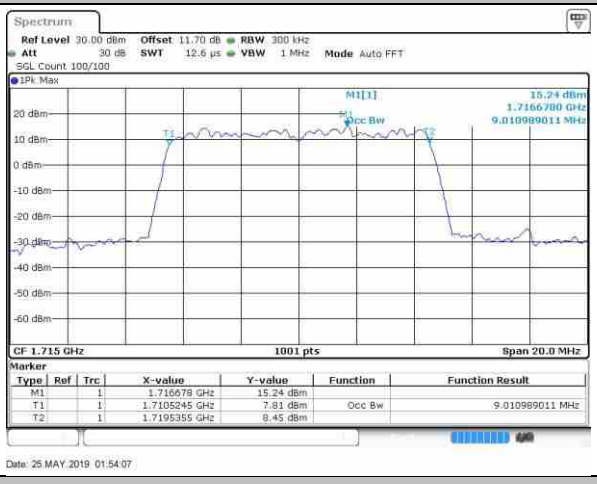


## LTE Band 66

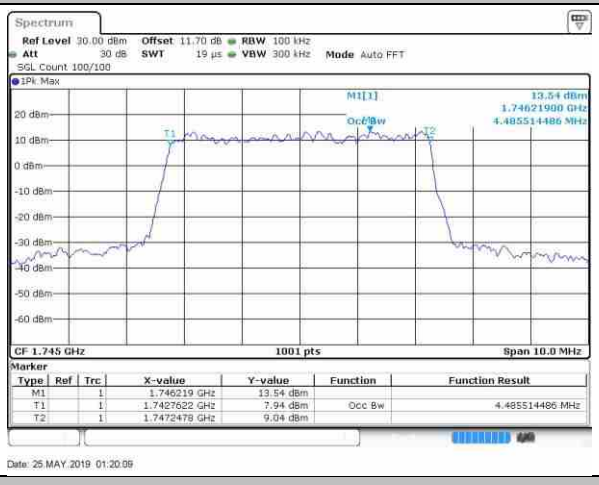
### Lowest Channel / 5MHz / 64QAM



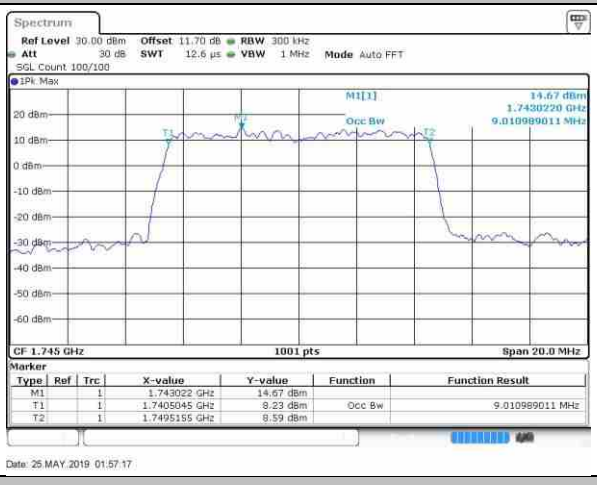

### Lowest Channel / 10MHz / 64QAM



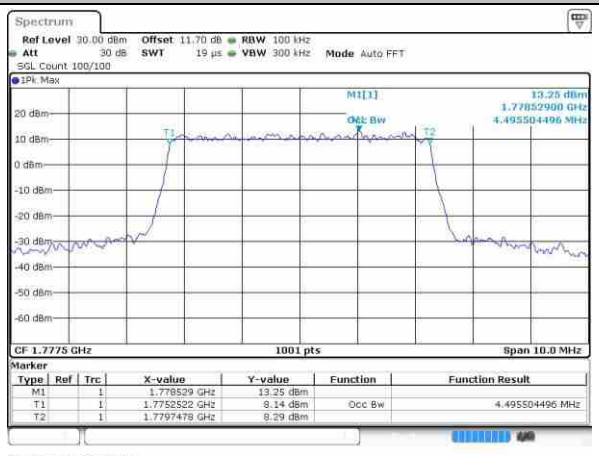

### Middle Channel / 5MHz / 64QAM



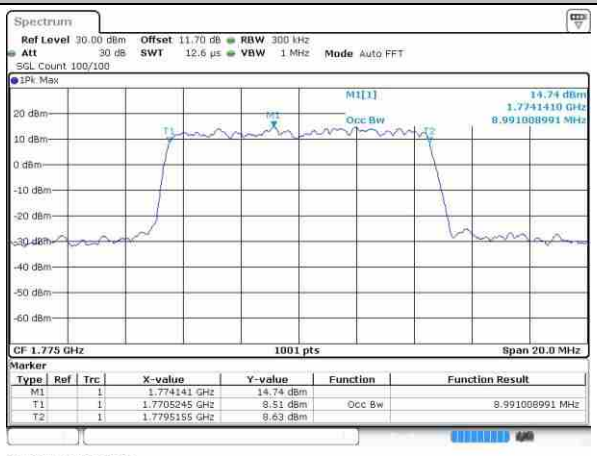

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

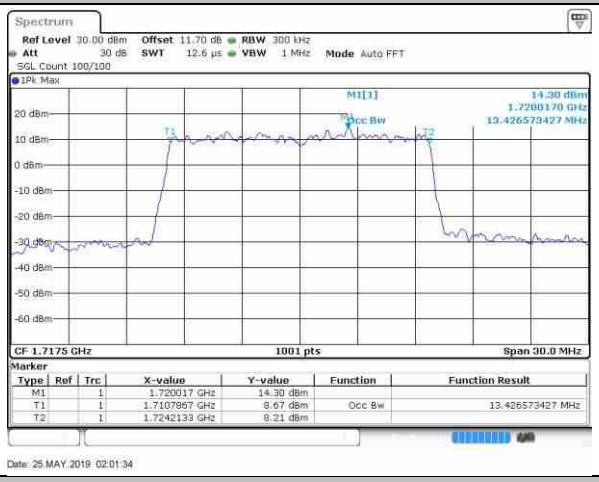



### Highest Channel / 10MHz / 64QAM

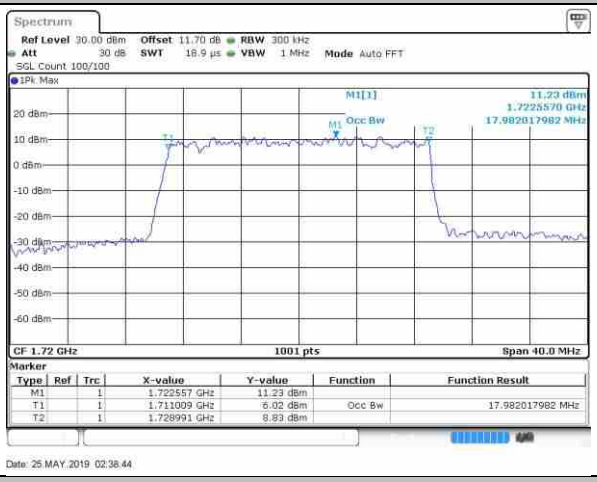


## LTE Band 66

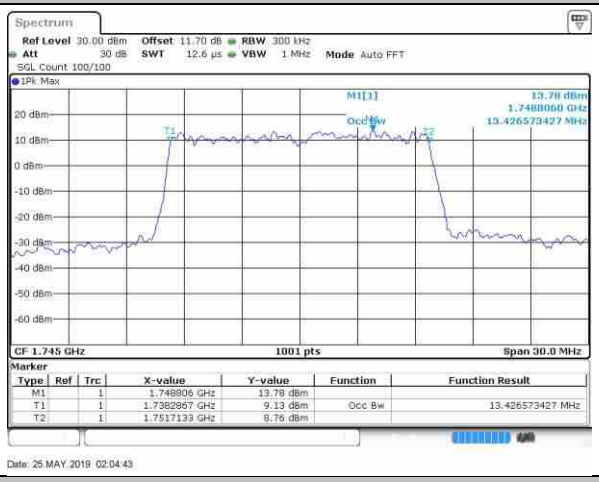
### Lowest Channel / 15MHz / 64QAM



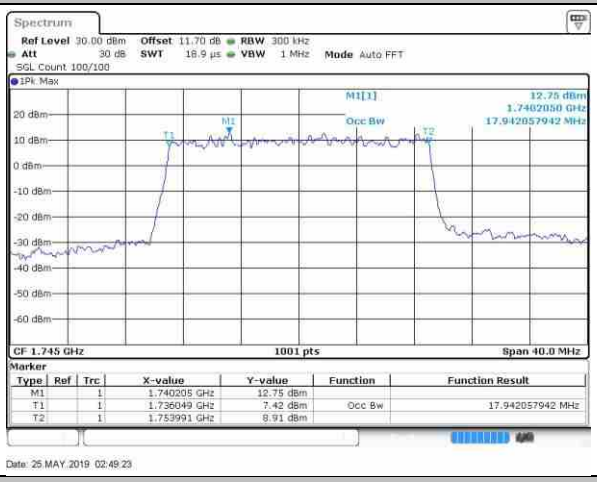

### Lowest Channel / 20MHz / 64QAM



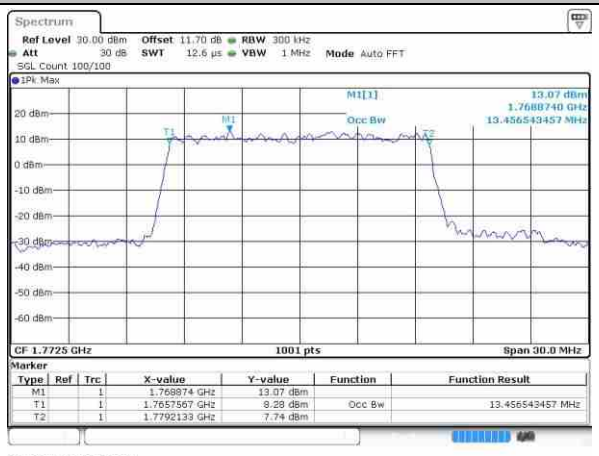

### Middle Channel / 15MHz / 64QAM



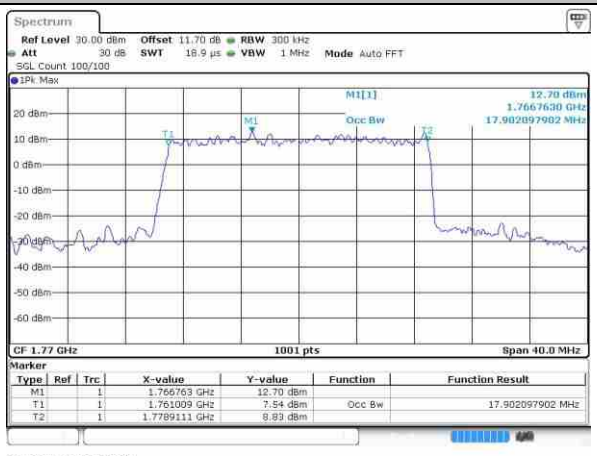

### Middle Channel / 20MHz / 64QAM



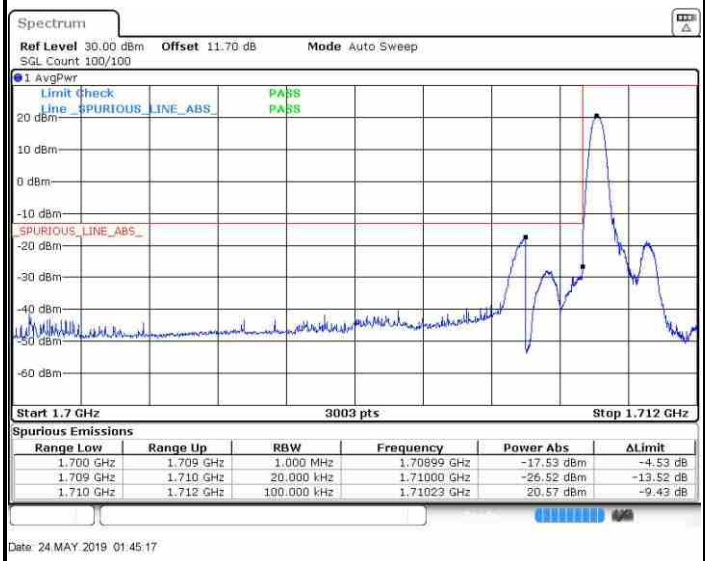
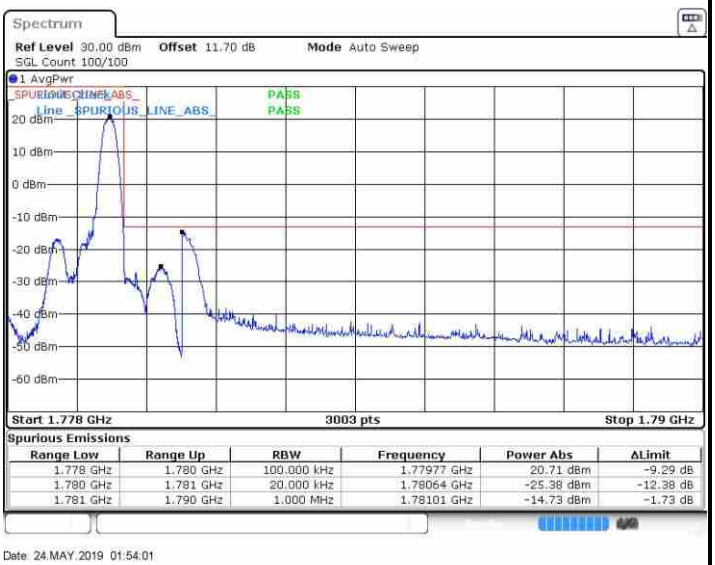
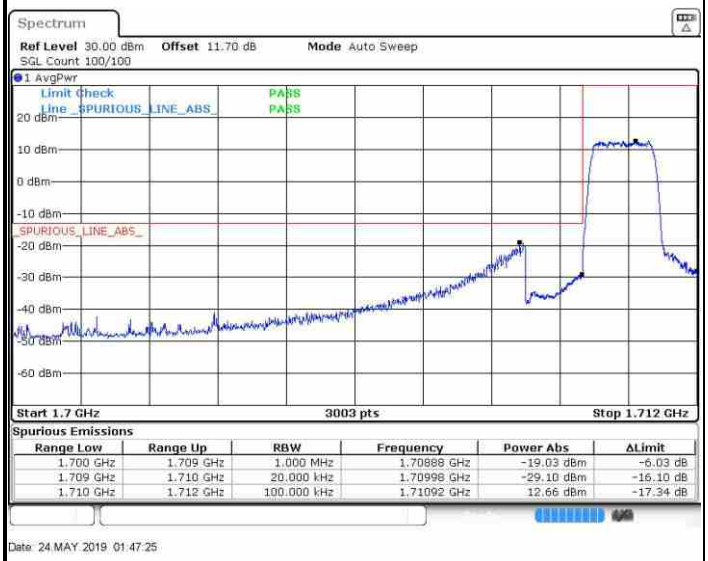
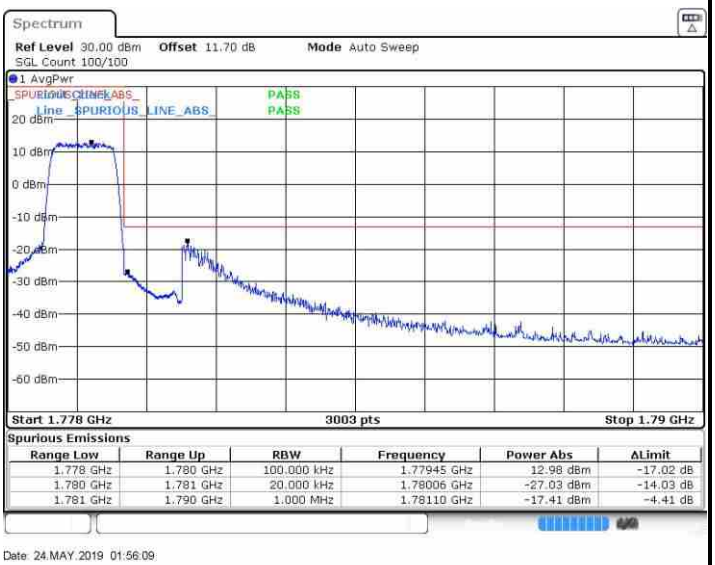

### Highest Channel / 15MHz / 64QAM

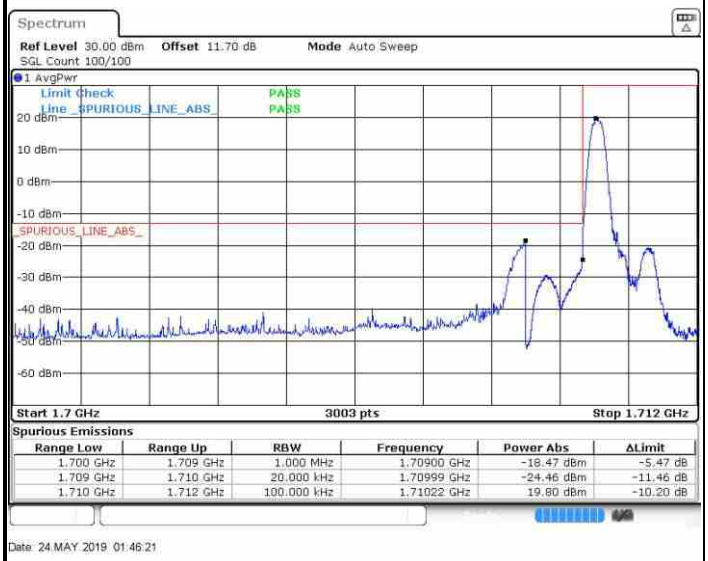
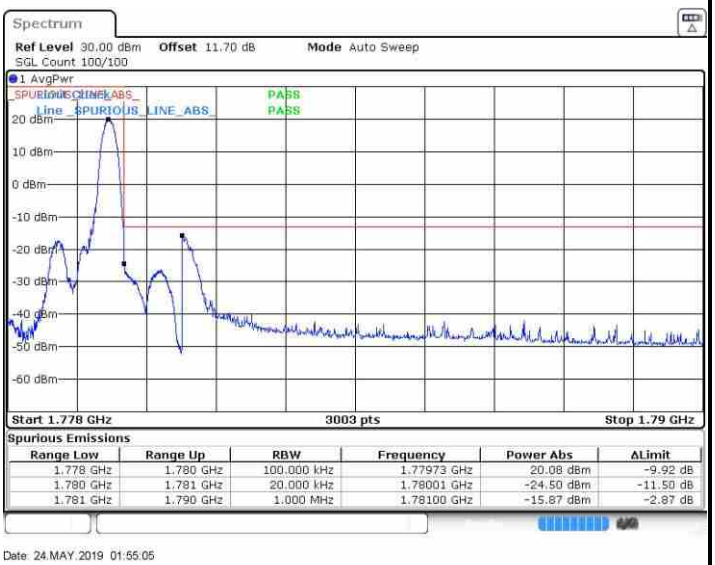
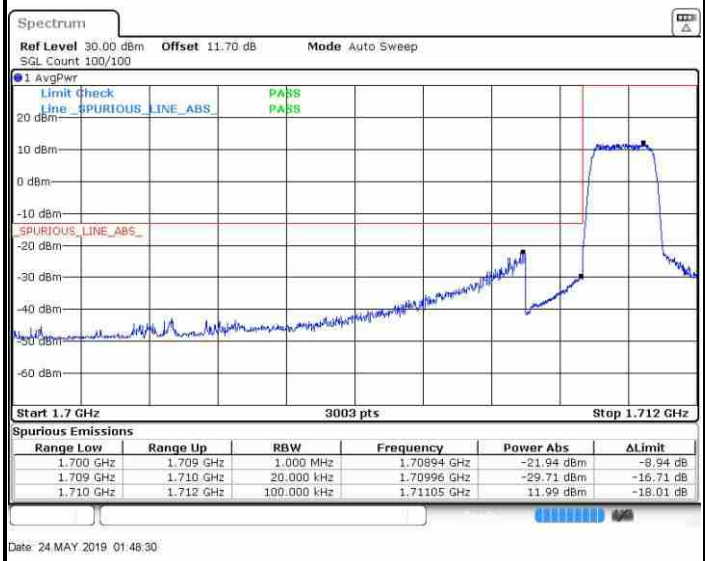
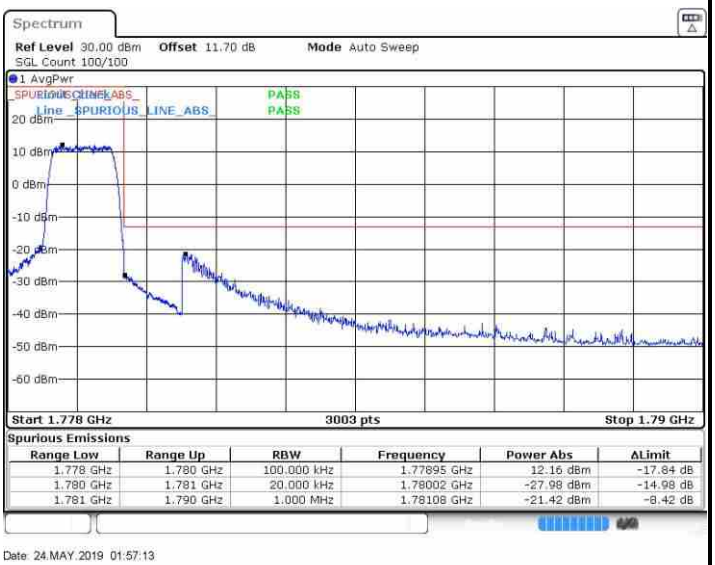



### Highest Channel / 20MHz / 64QAM



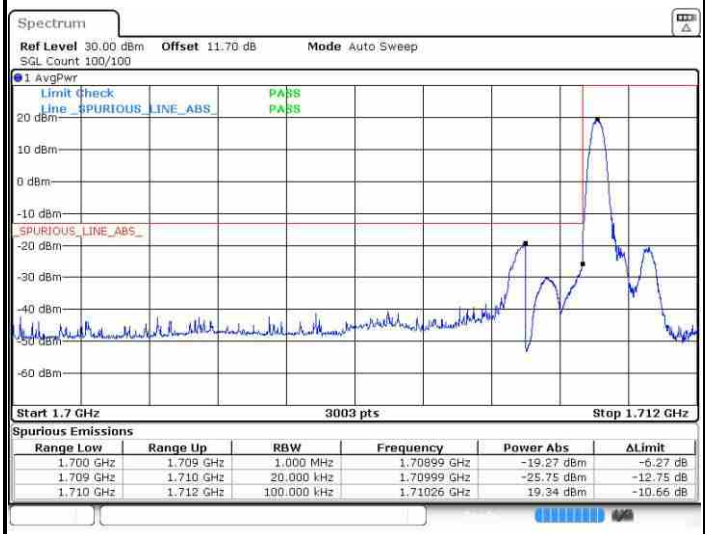
# Conducted Band Edge

| LTE Band 66 / 1.4MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1RB** | **Highest Band Edge / 1RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

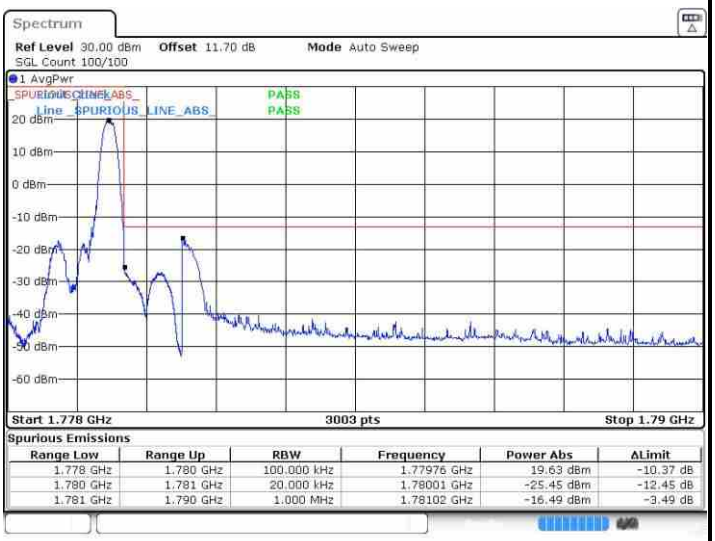
| LTE Band 66 / 1.4MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

## LTE Band 66 / 1.4MHz / 64QAM

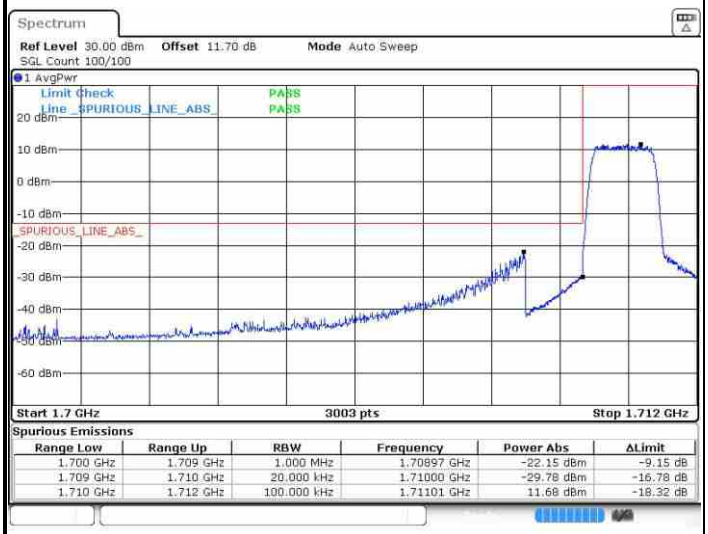
### Lowest Band Edge / 1 RB



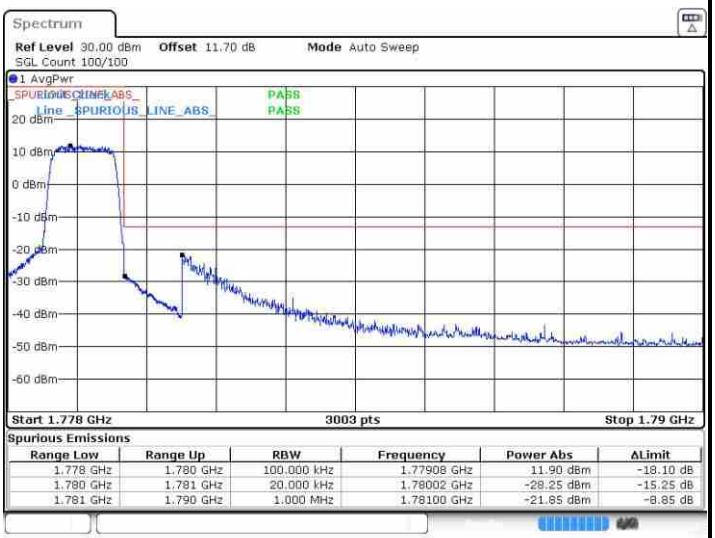

### Highest Band Edge / 1 RB

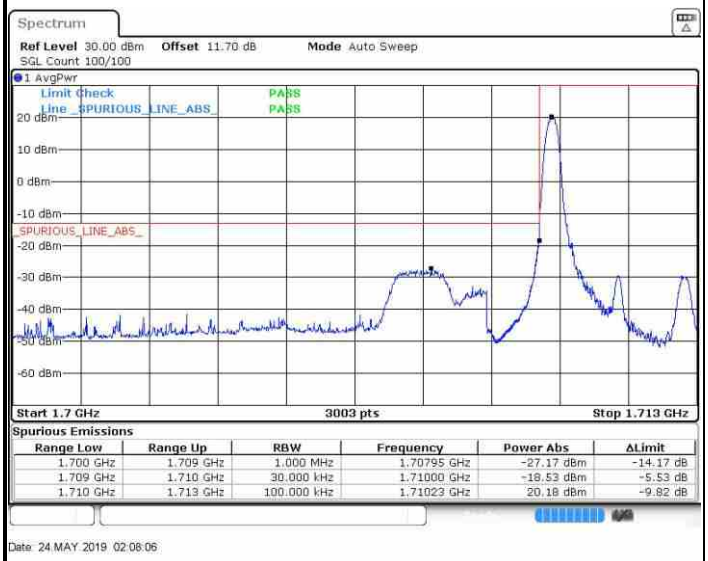
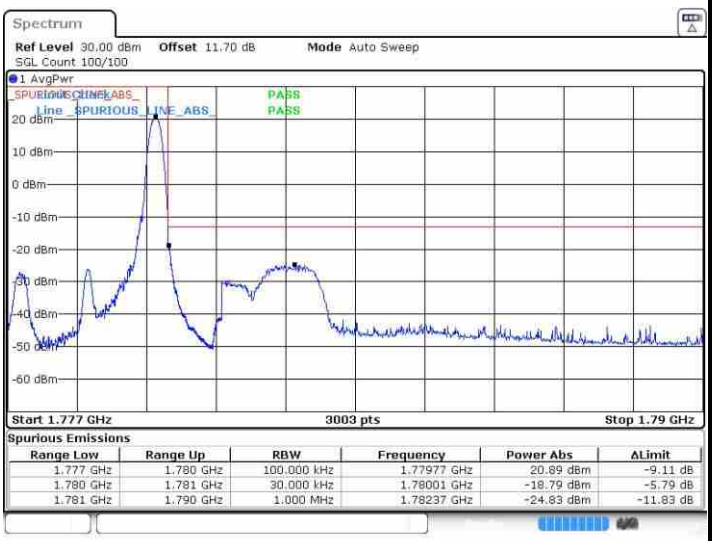
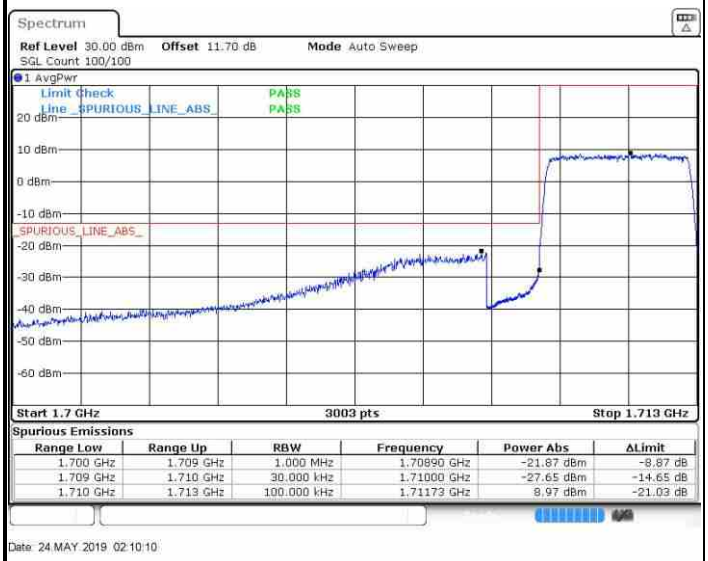
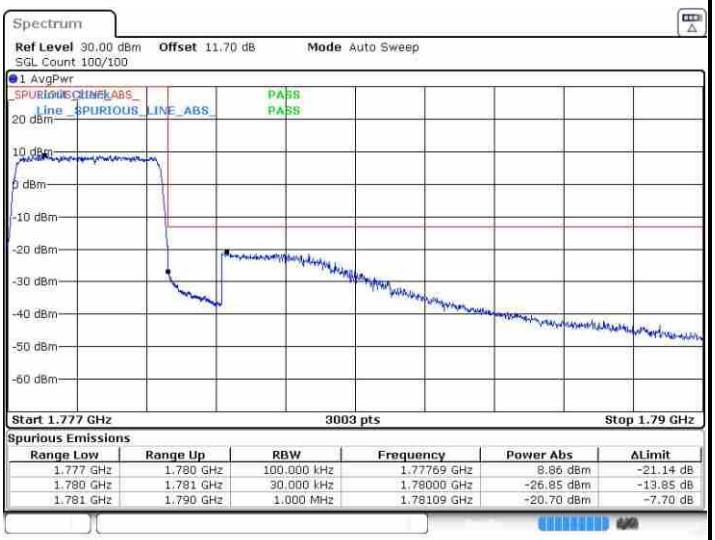


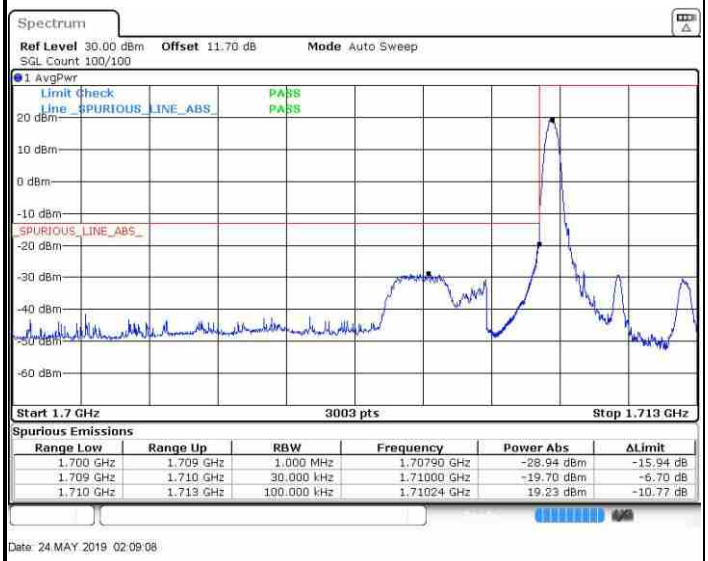
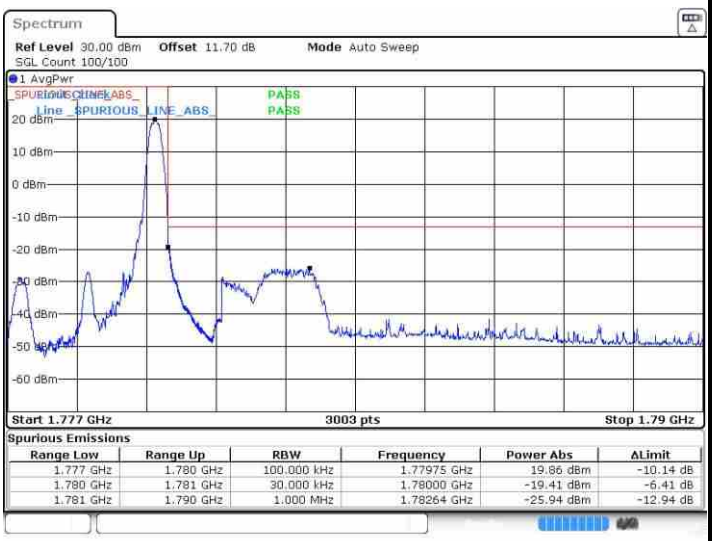
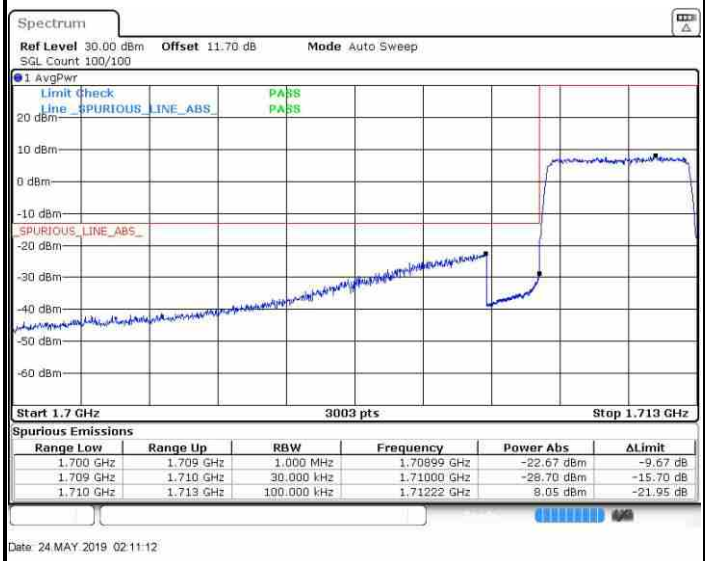
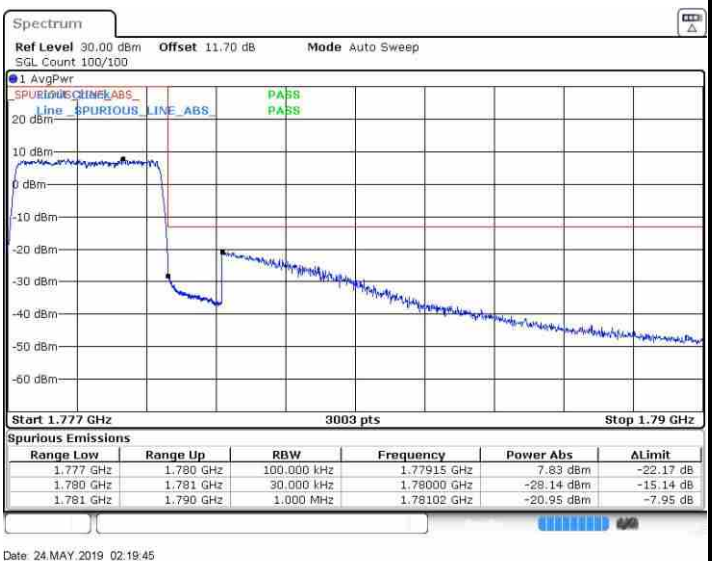

### Lowest Band Edge / Full RB

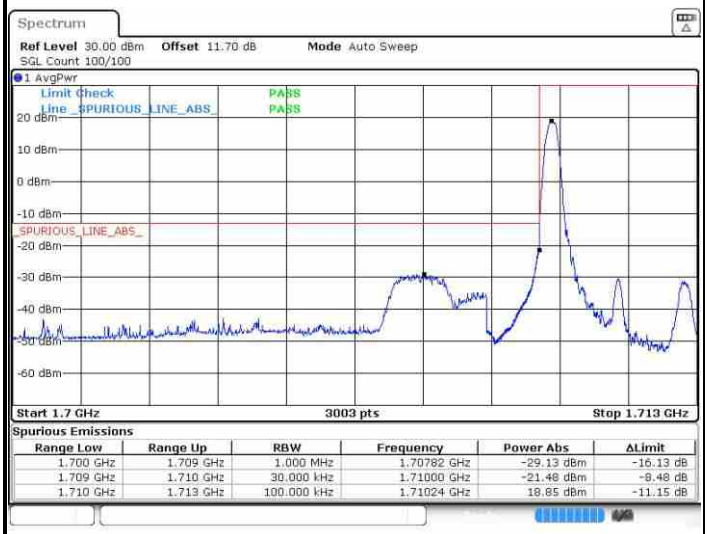
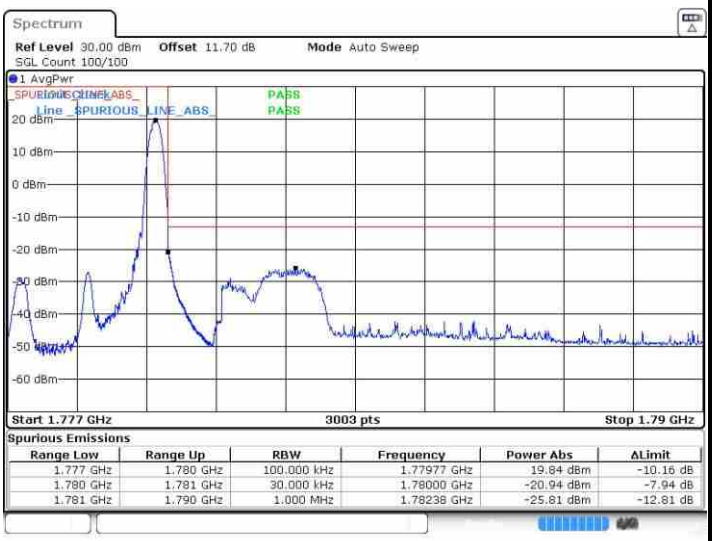
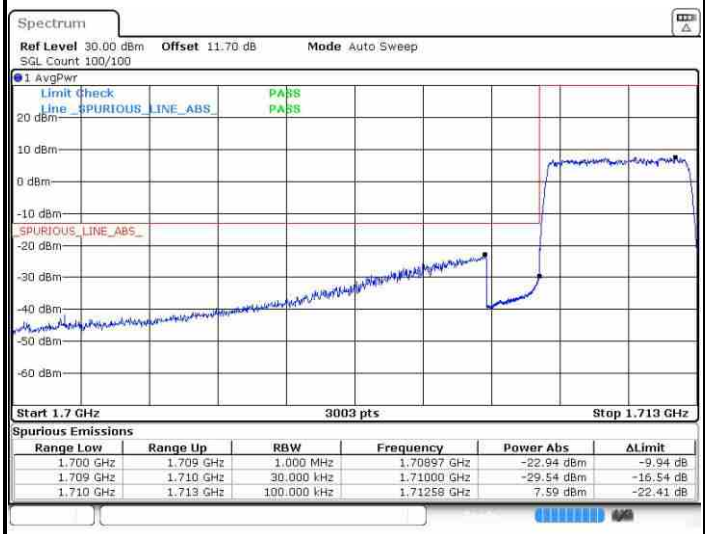
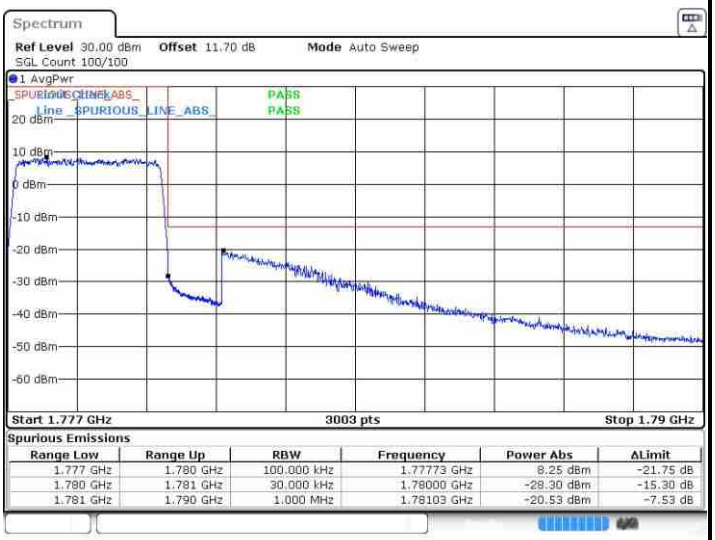



### Highest Band Edge / Full RB

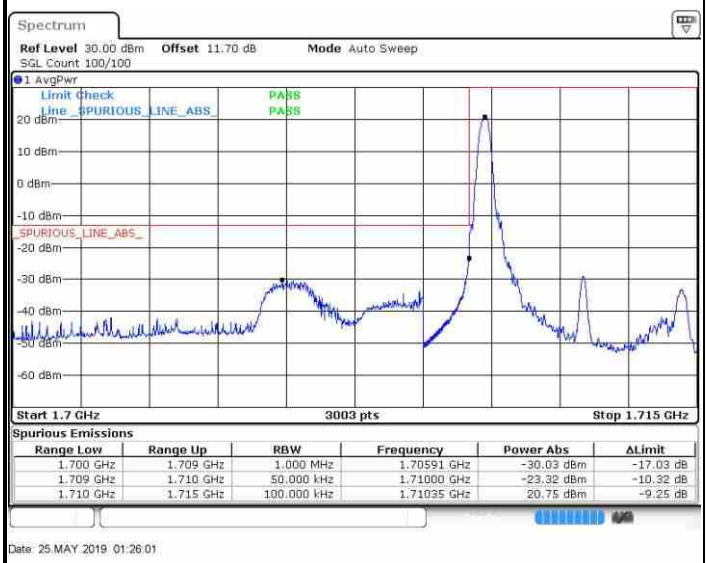


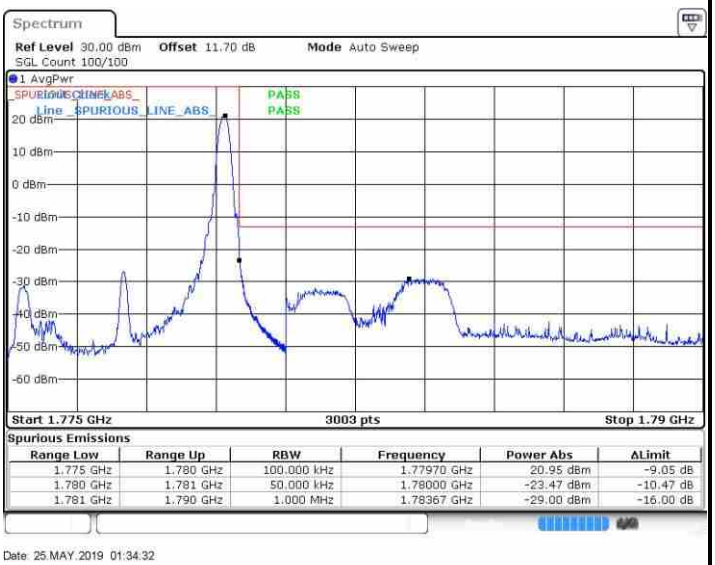
| LTE Band 66 / 3MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

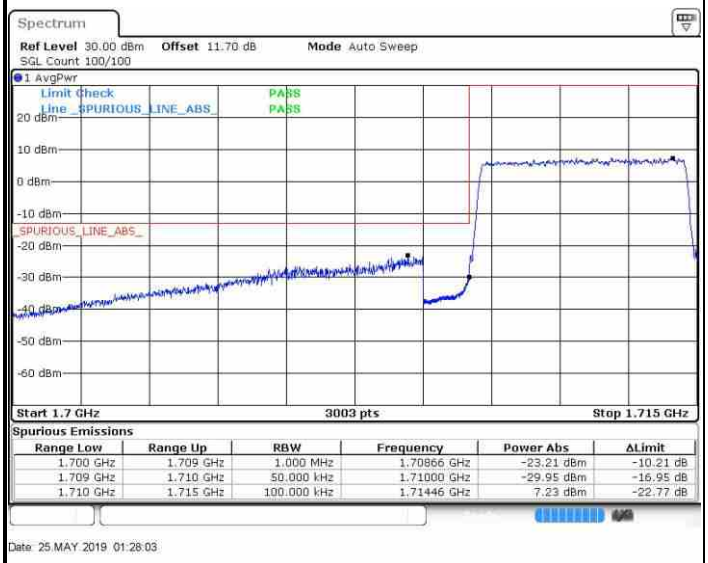
| LTE Band 66 / 3MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge /1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

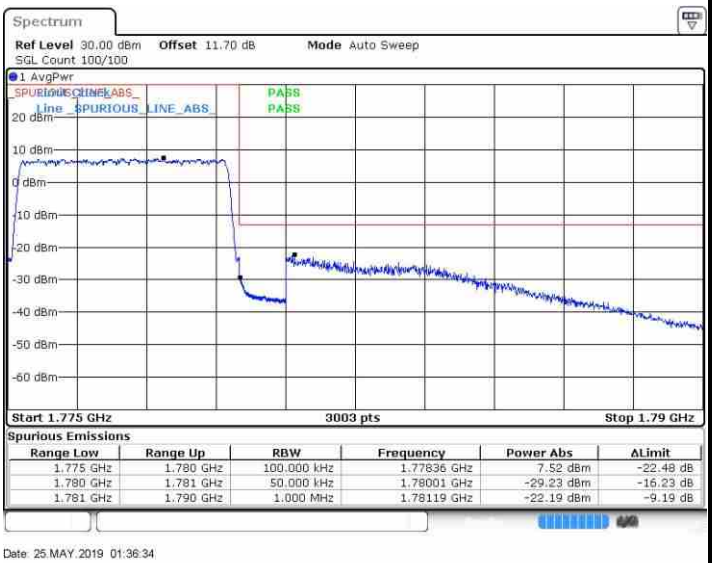
| LTE Band 66 / 3MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge /1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

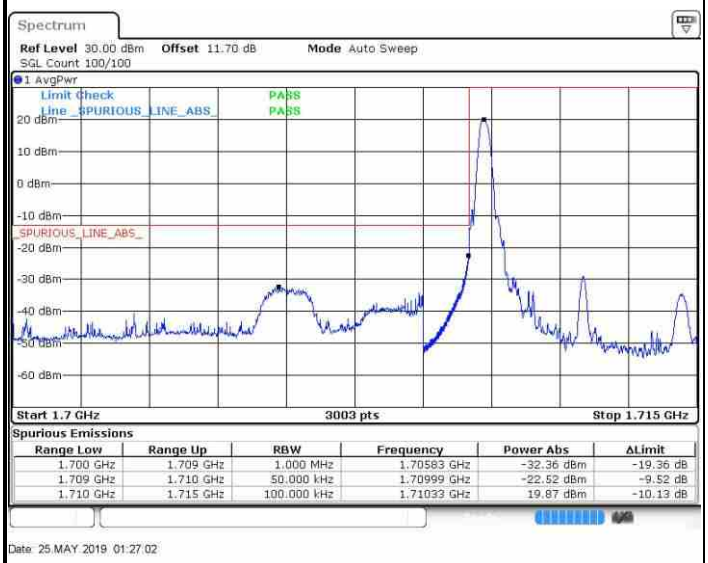
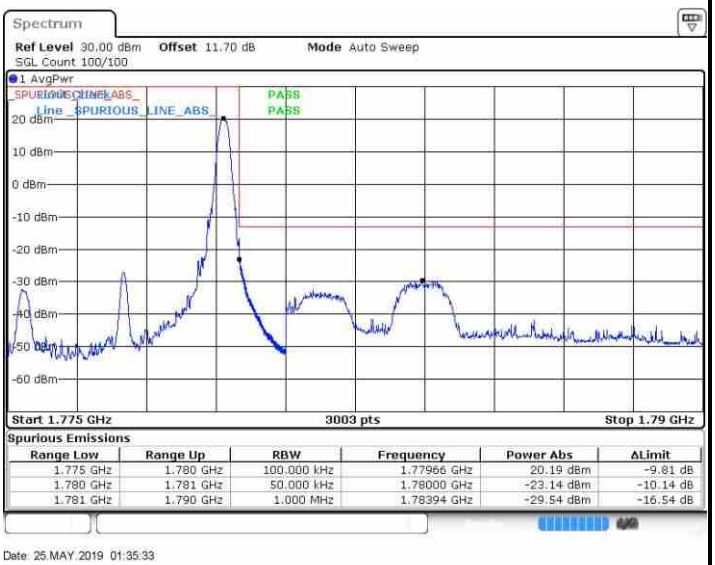
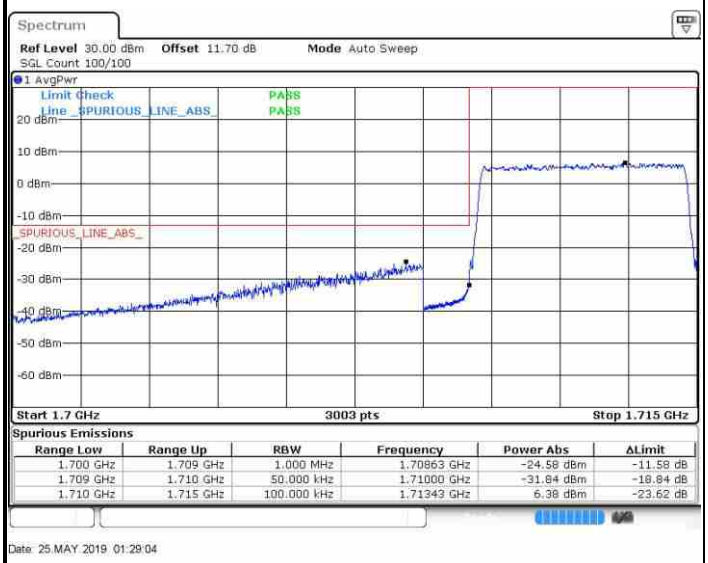
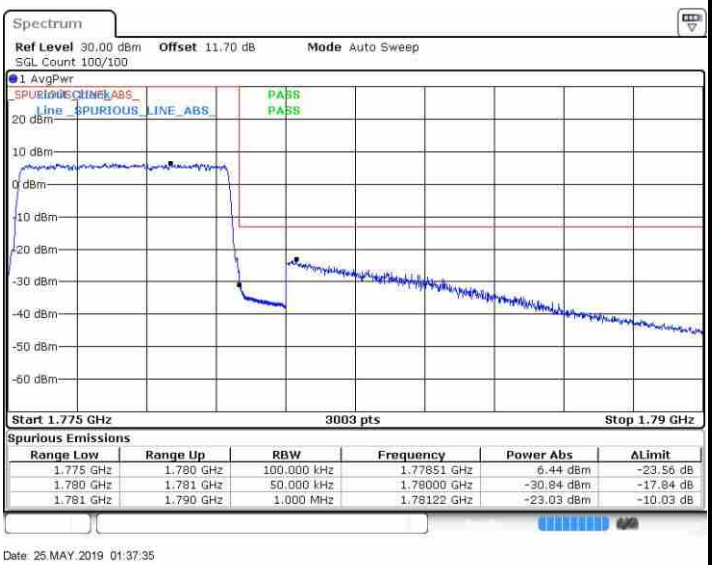
| LTE Band 66 / 5MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |

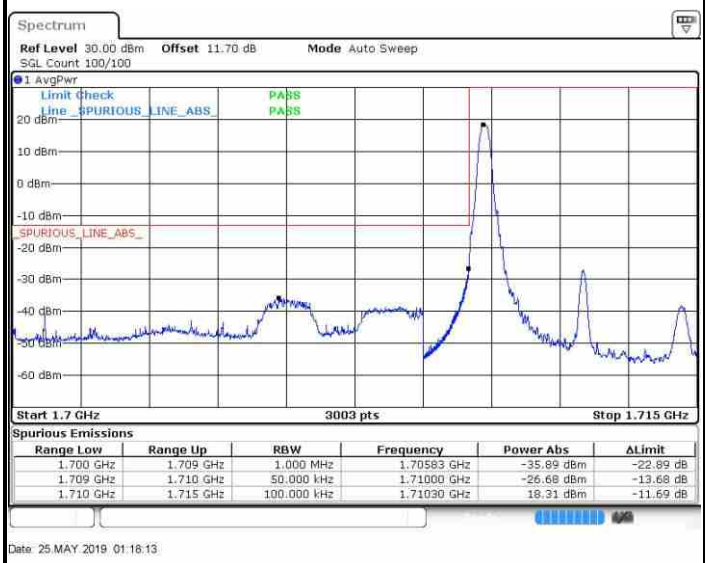
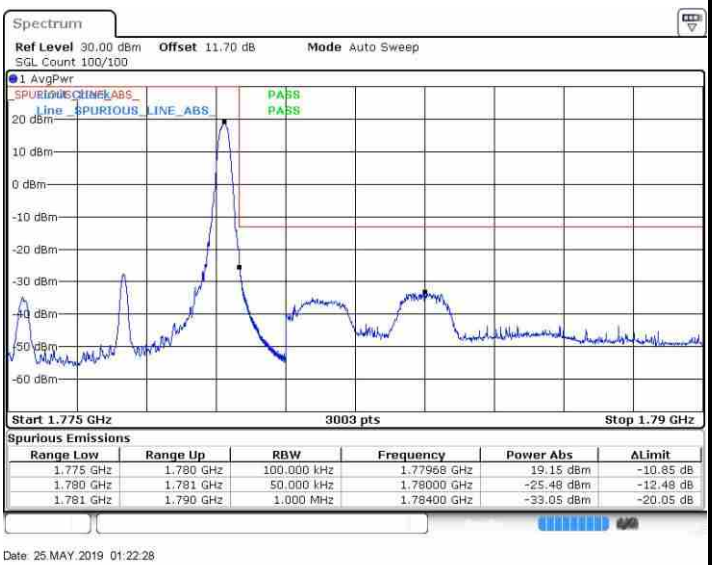
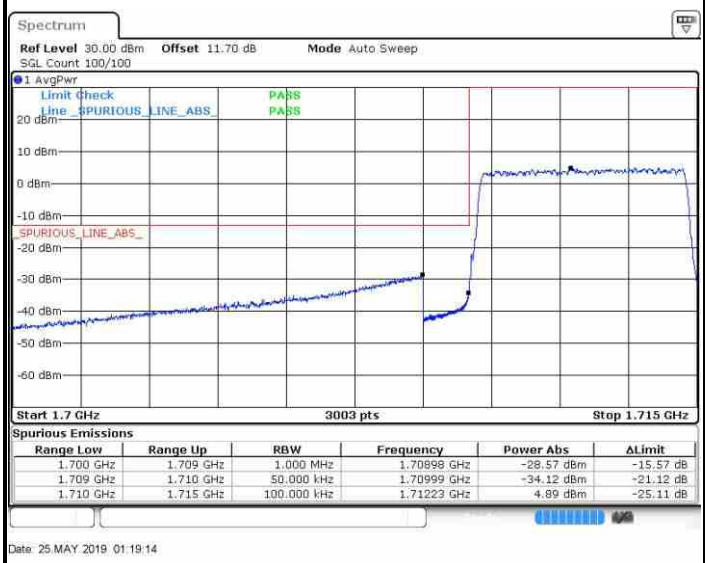
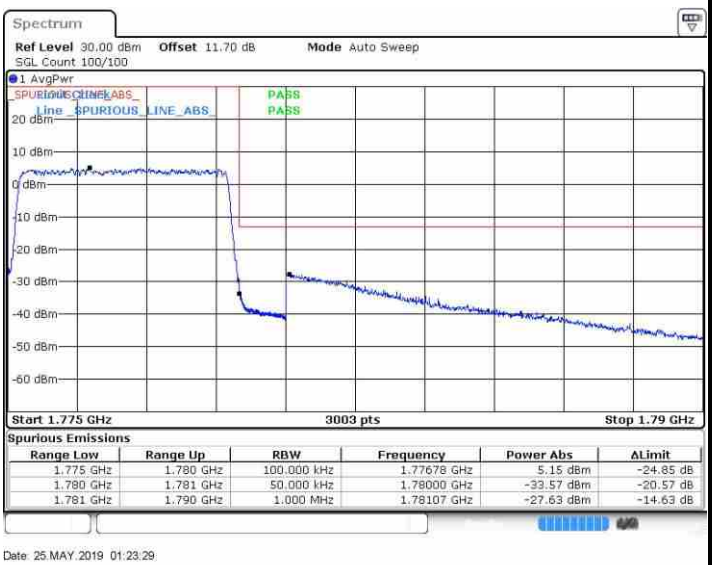


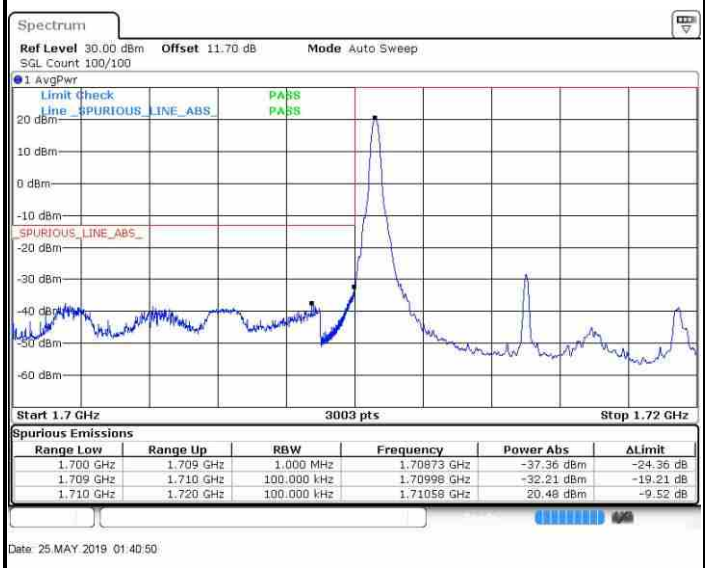
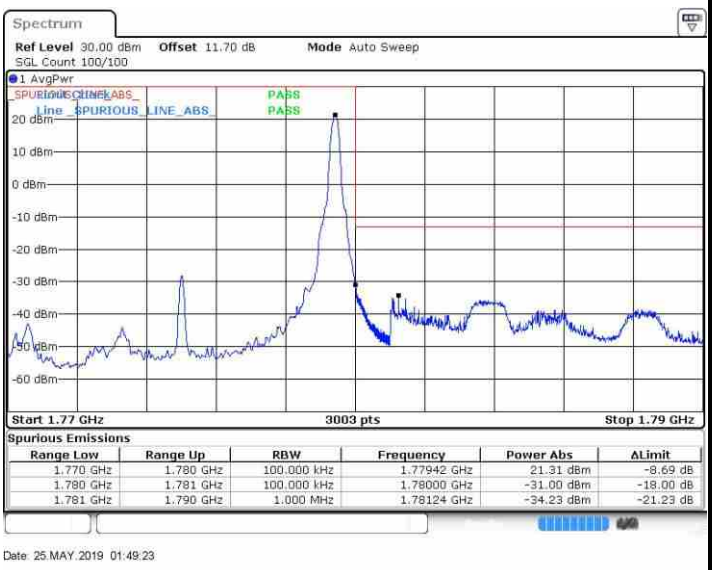
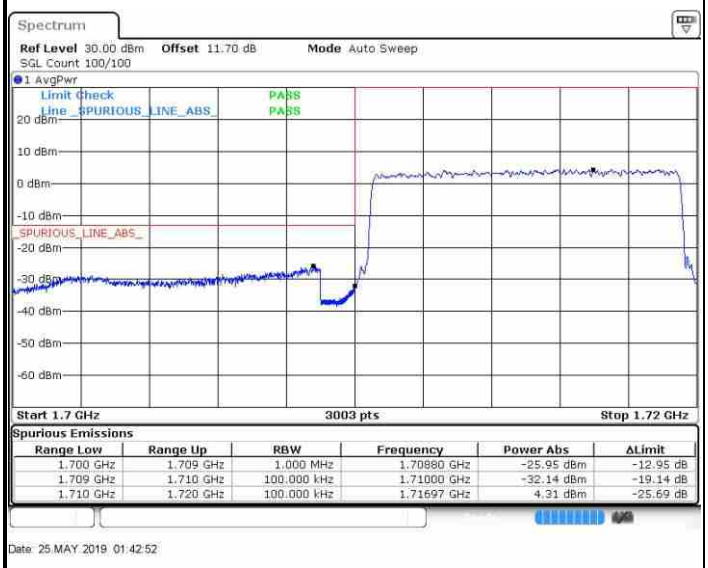
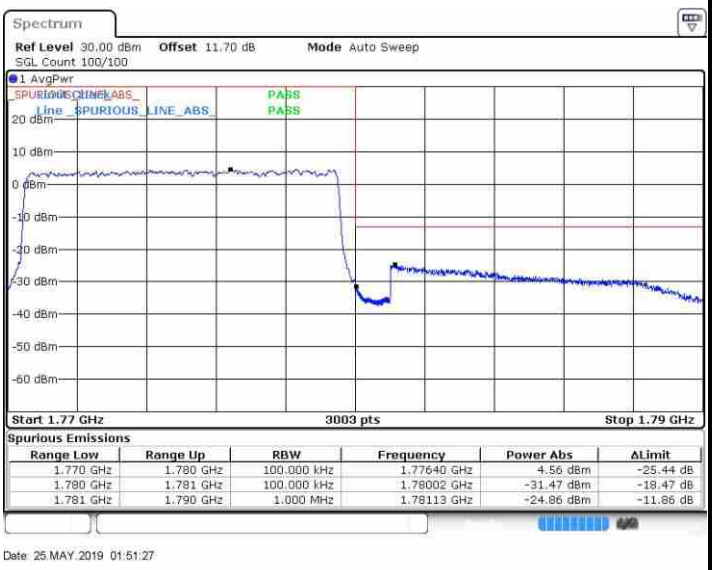



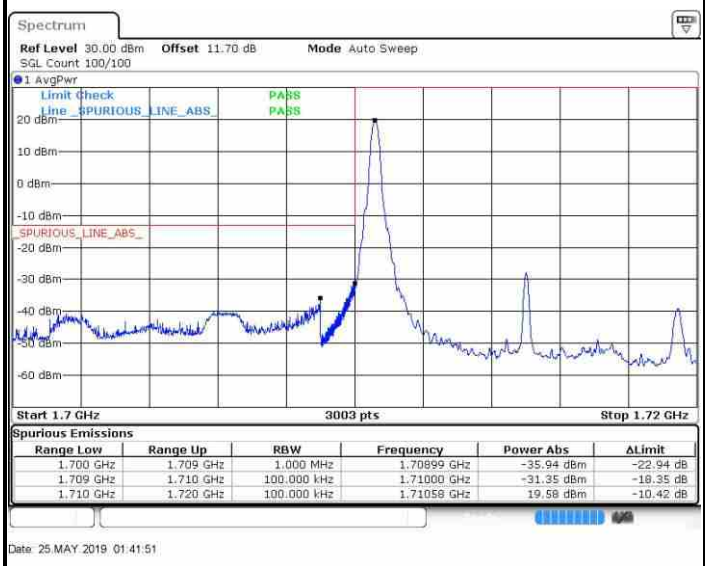
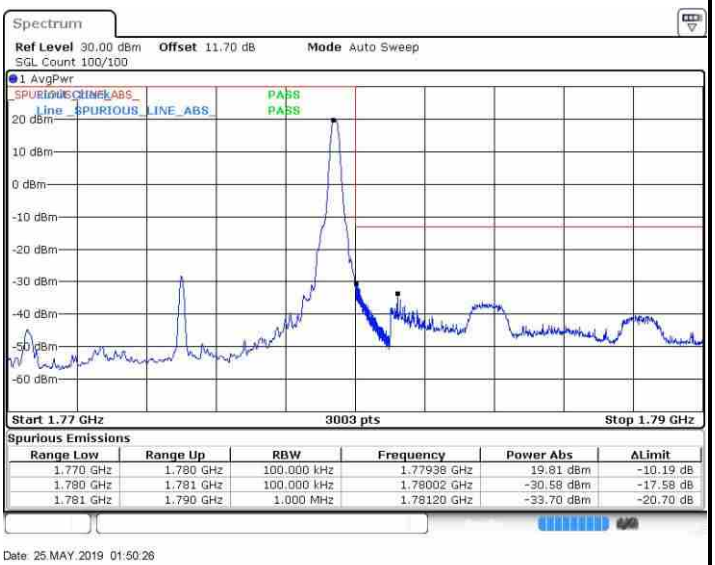
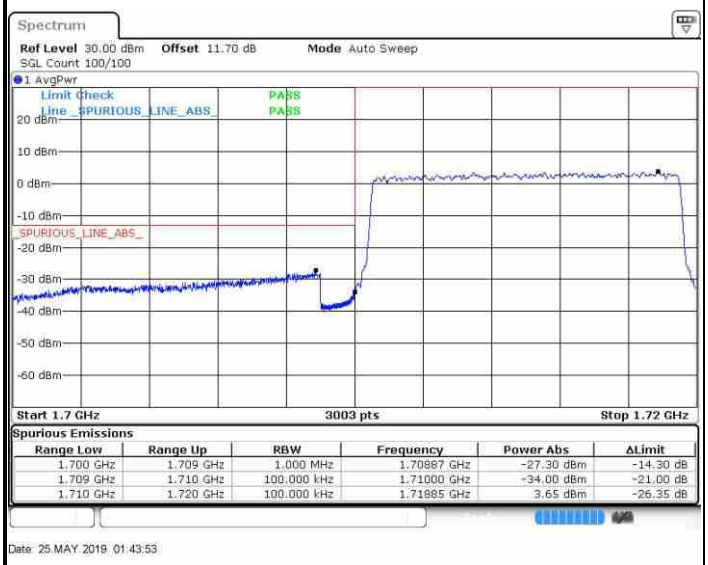
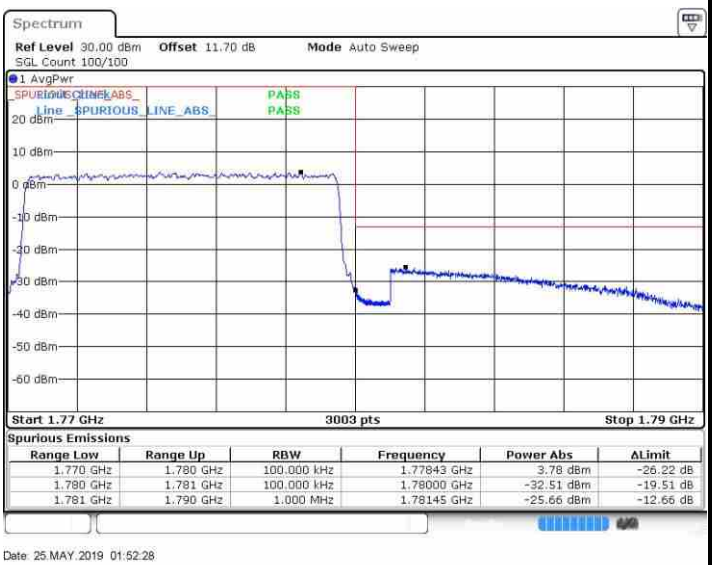



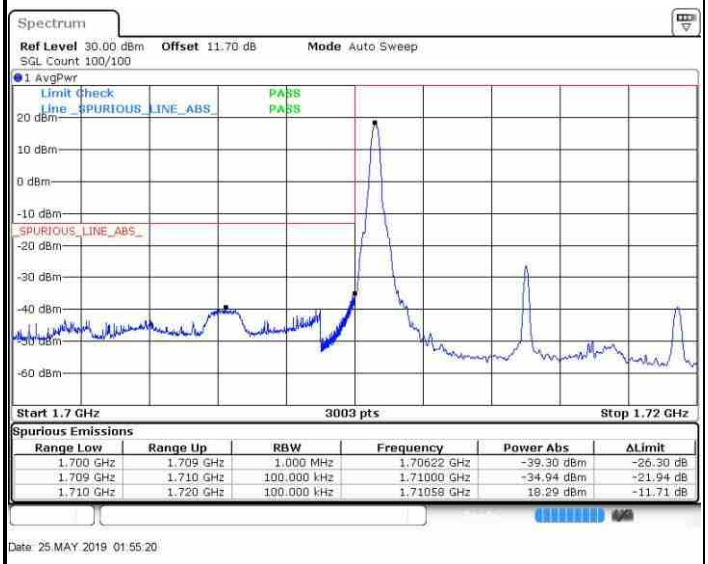
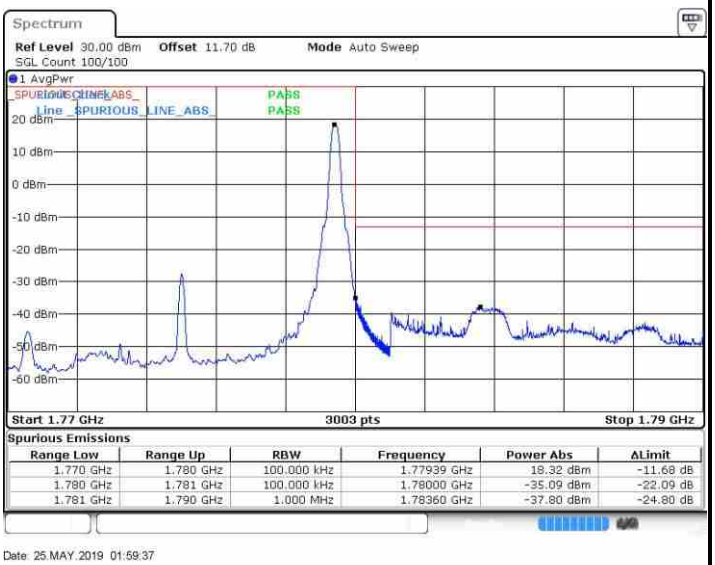
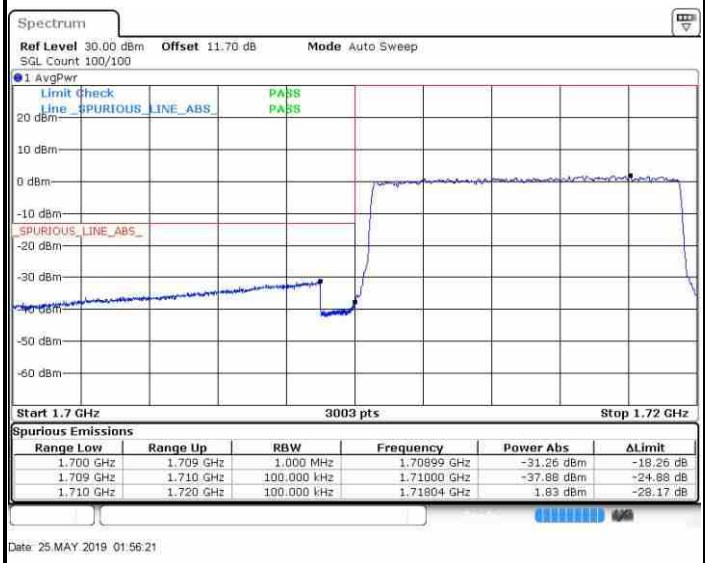
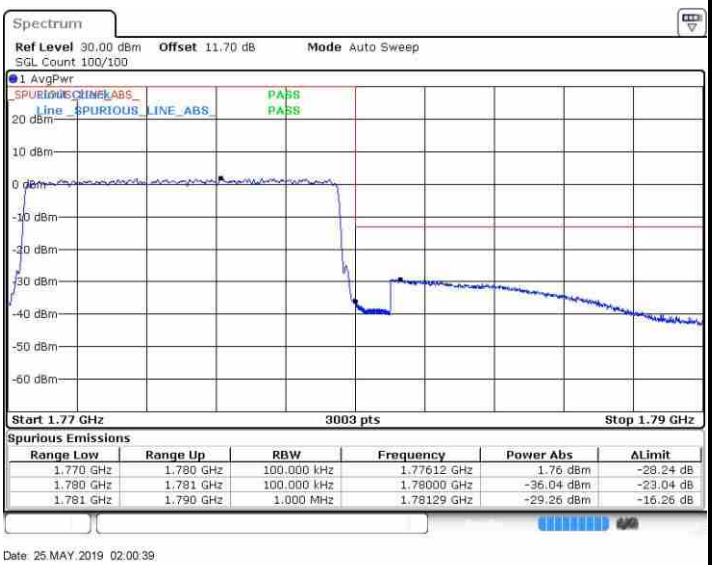



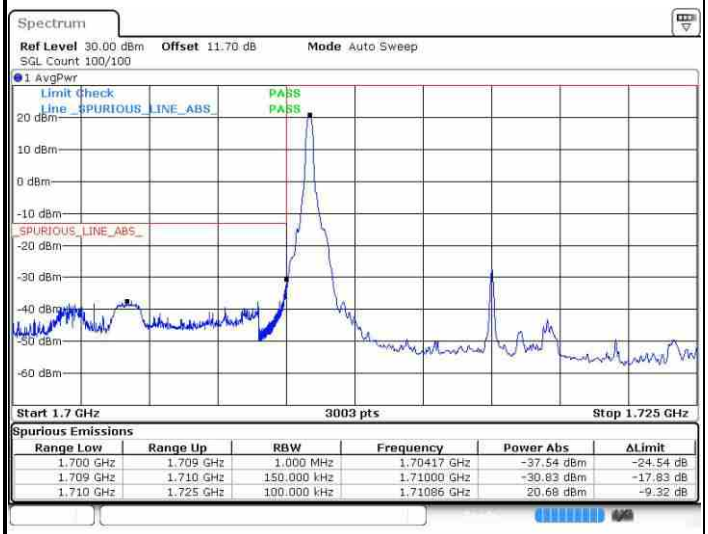
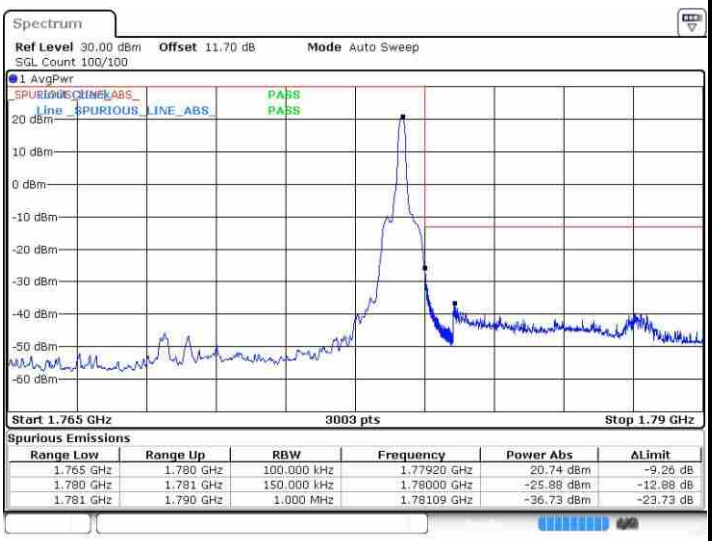
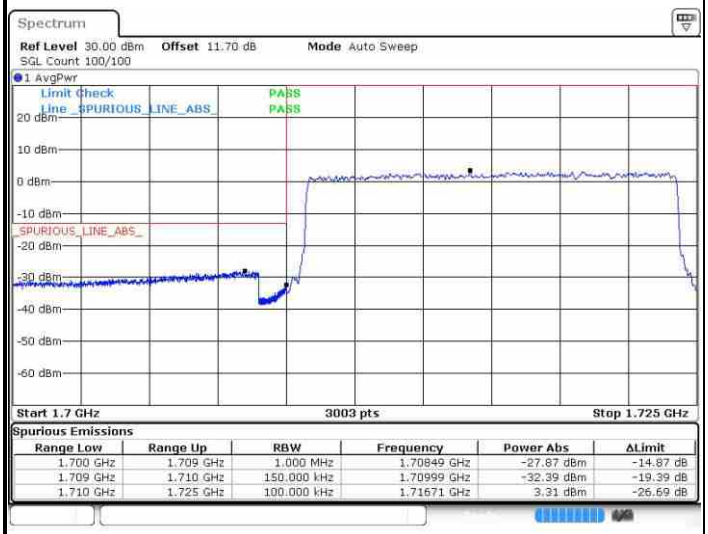
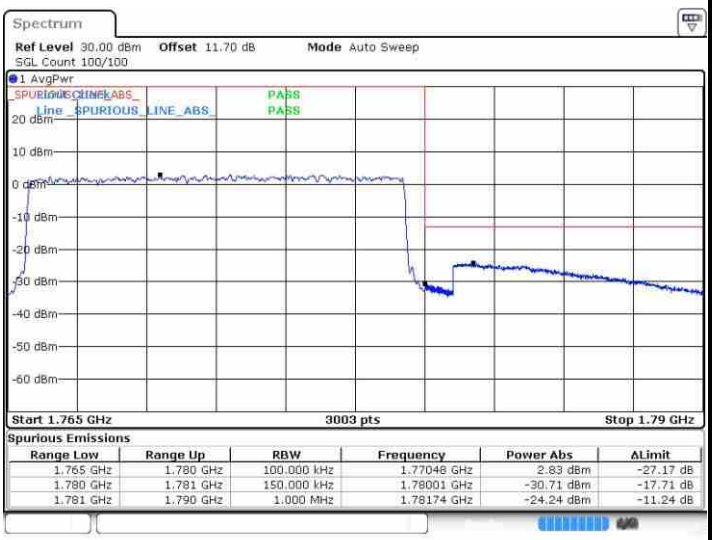
| LTE Band 66 / 5MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| LTE Band 66 / 5MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| LTE Band 66 / 10MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

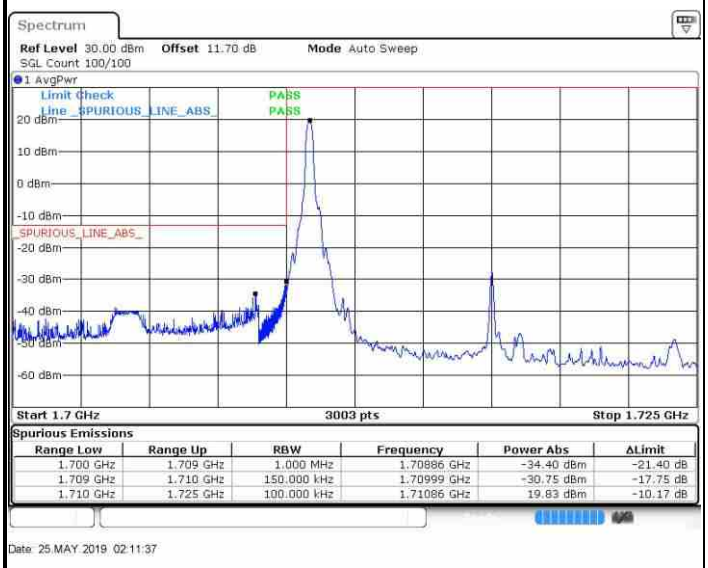
| LTE Band 66 / 10MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| LTE Band 66 / 10MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

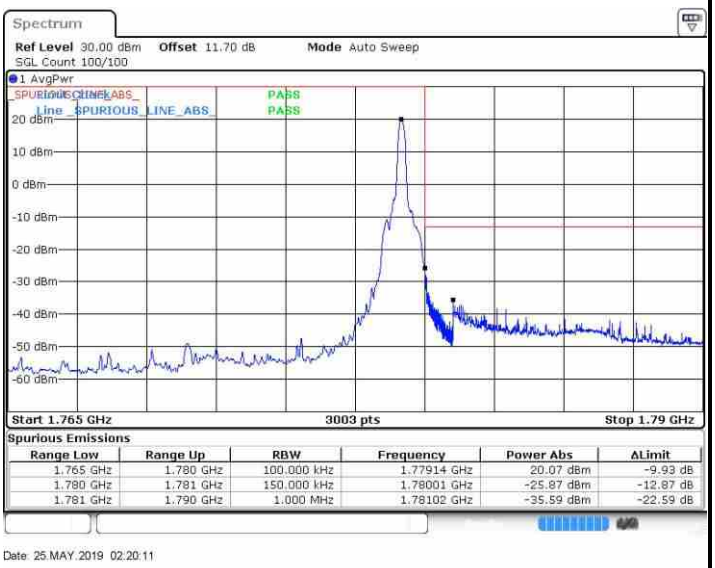
| LTE Band 66 / 15MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

## LTE Band 66 / 15MHz / 16QAM

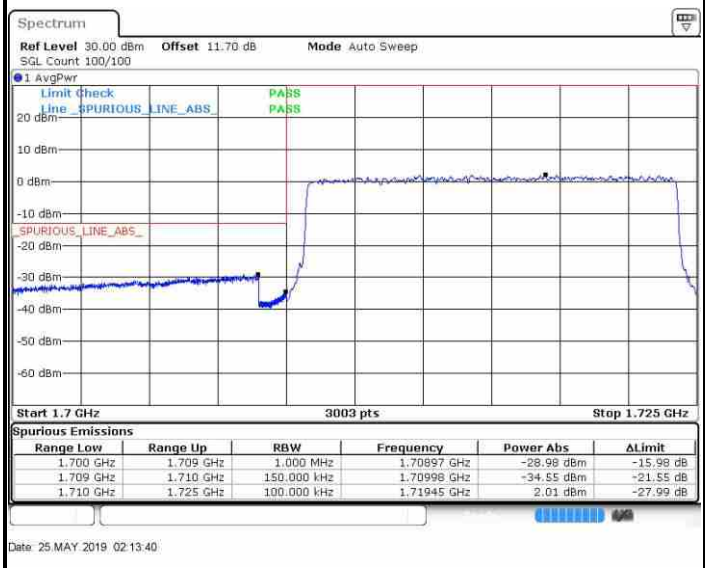
### Lowest Band Edge / 1 RB



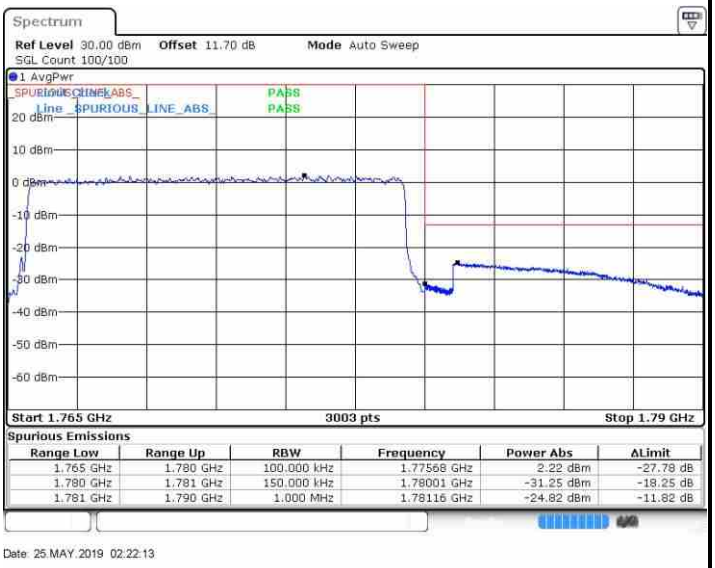

### Highest Band Edge / 1 RB

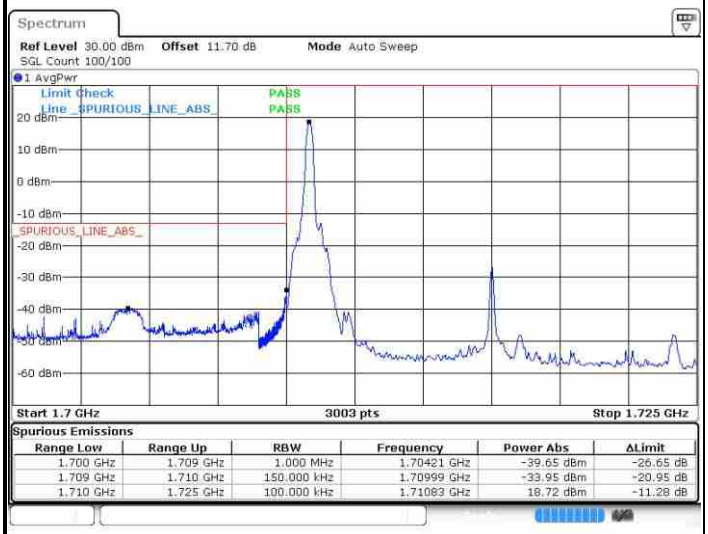
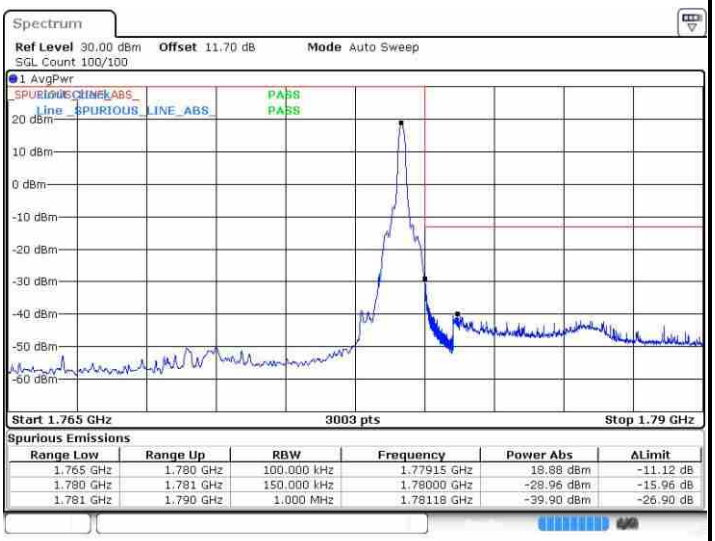
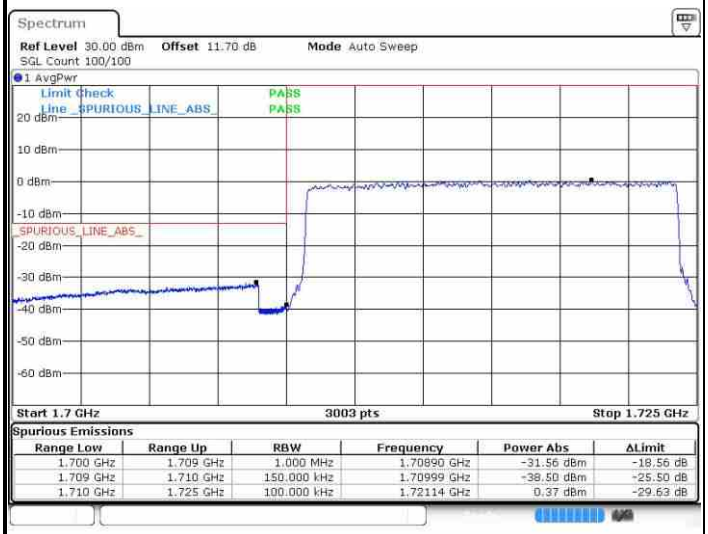
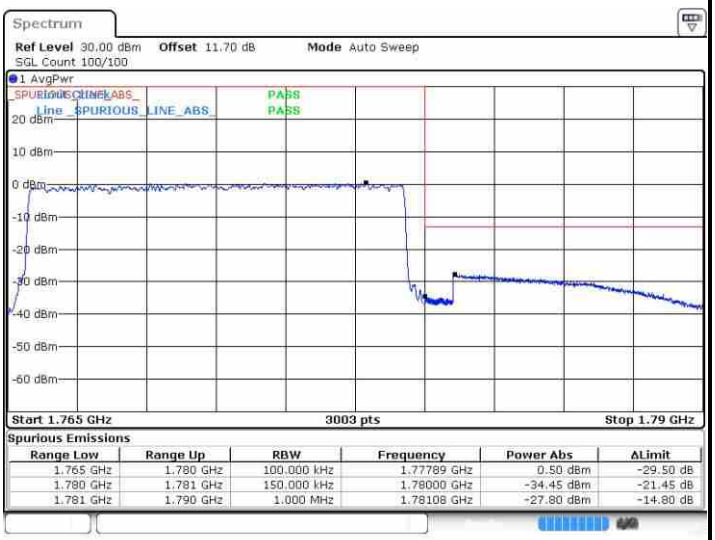



### Lowest Band Edge / Full RB

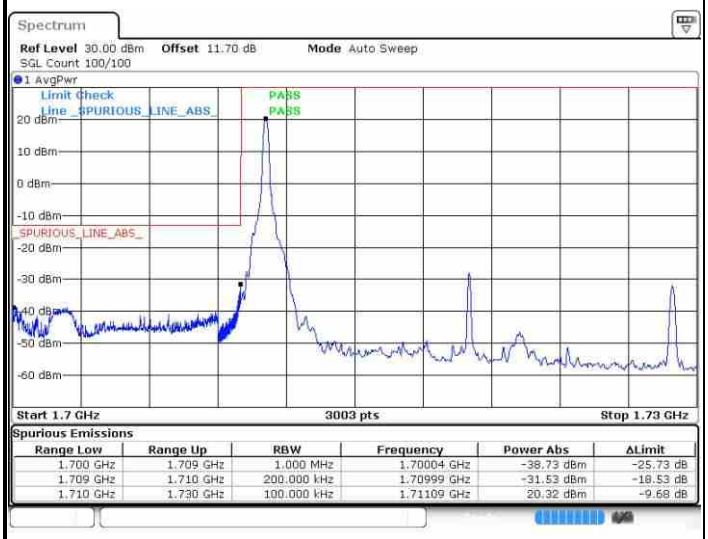


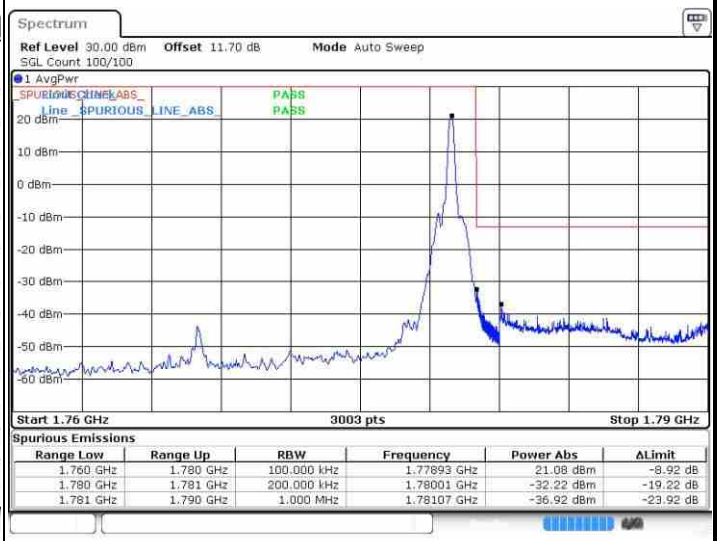

### Highest Band Edge / Full RB

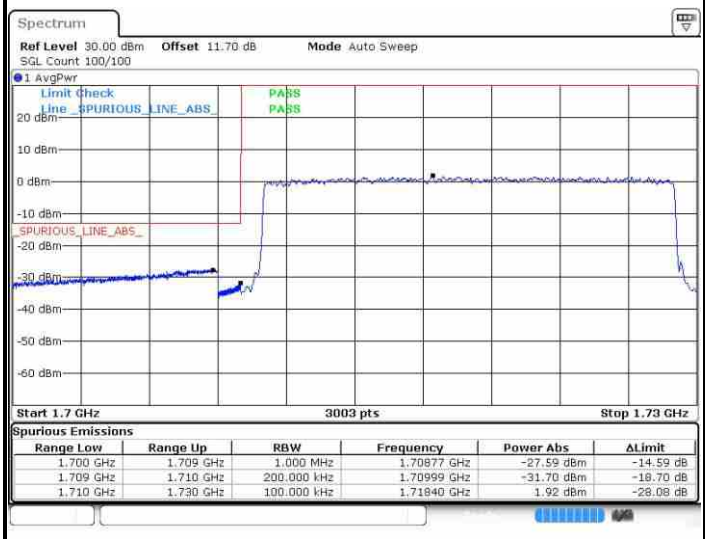


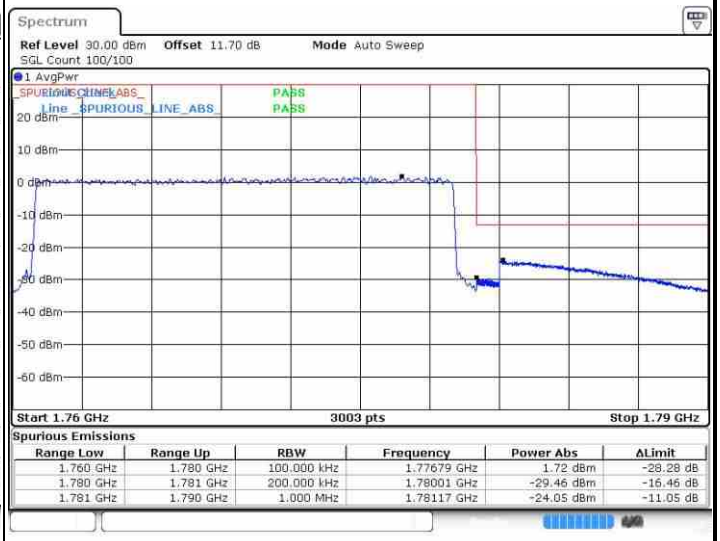
| LTE Band 66 / 15MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| LTE Band 66 / 20MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |

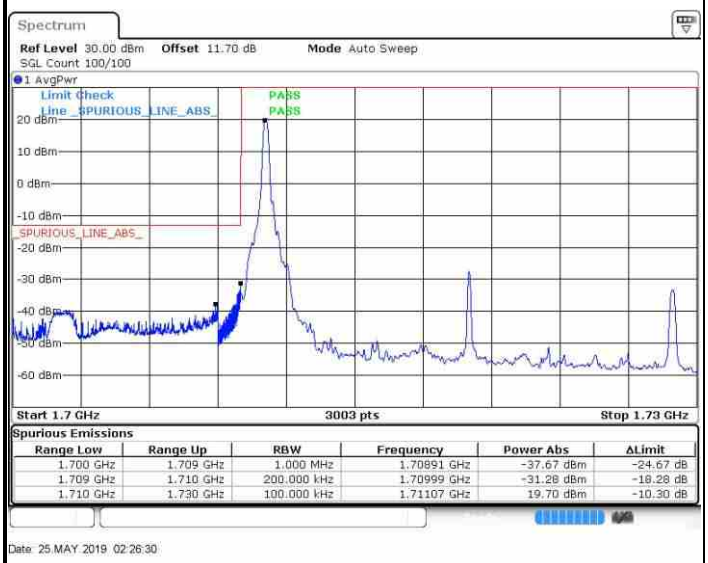


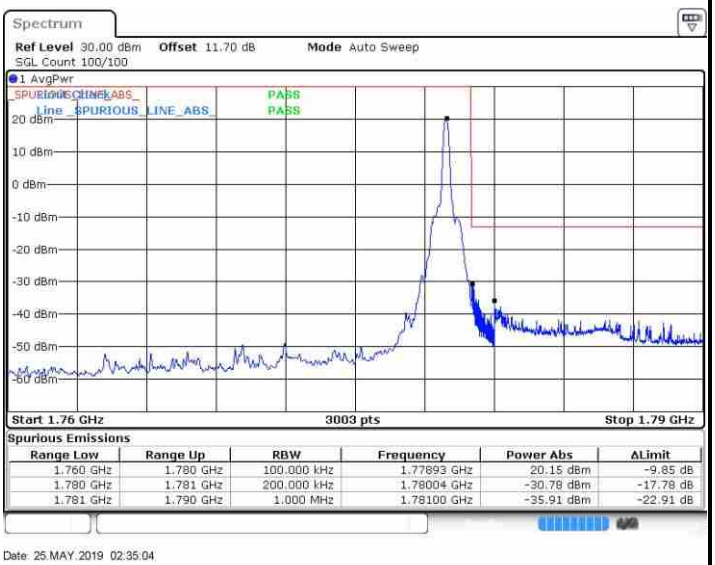



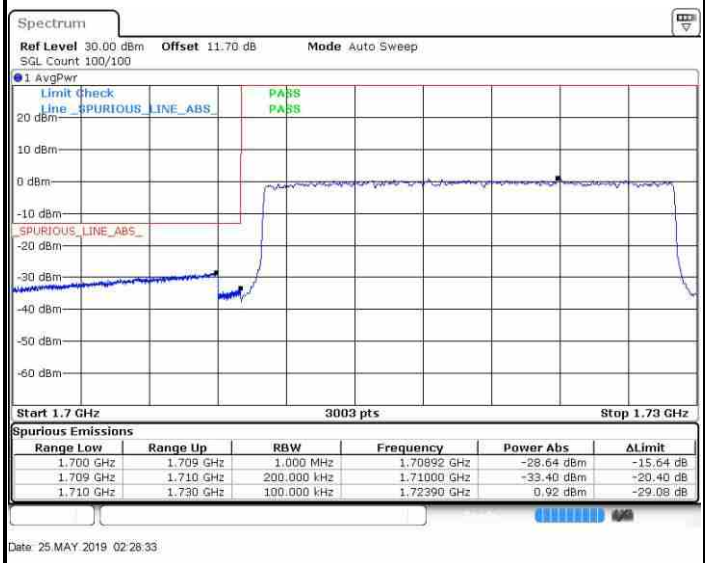



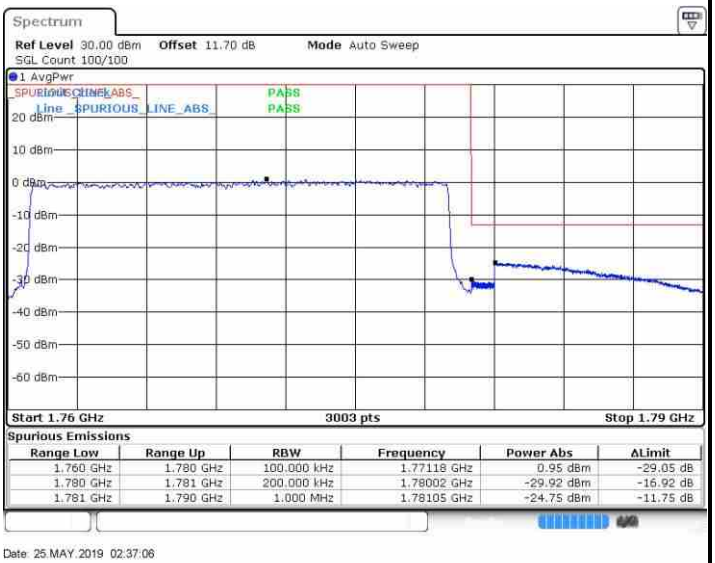



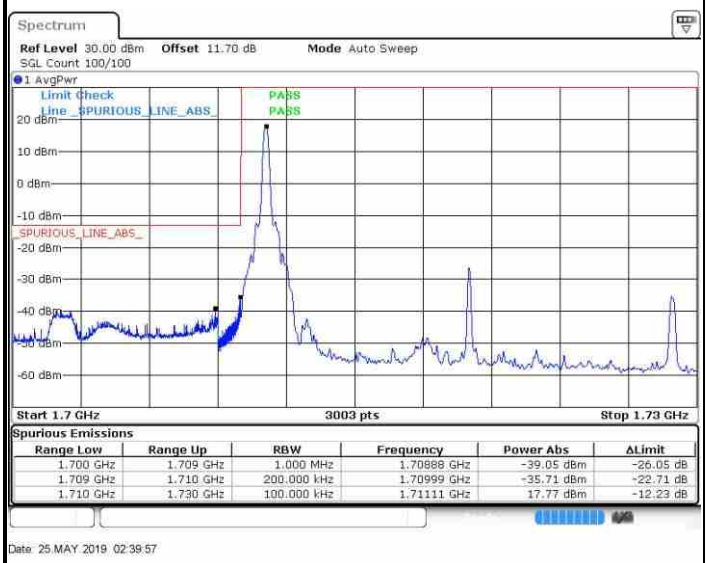
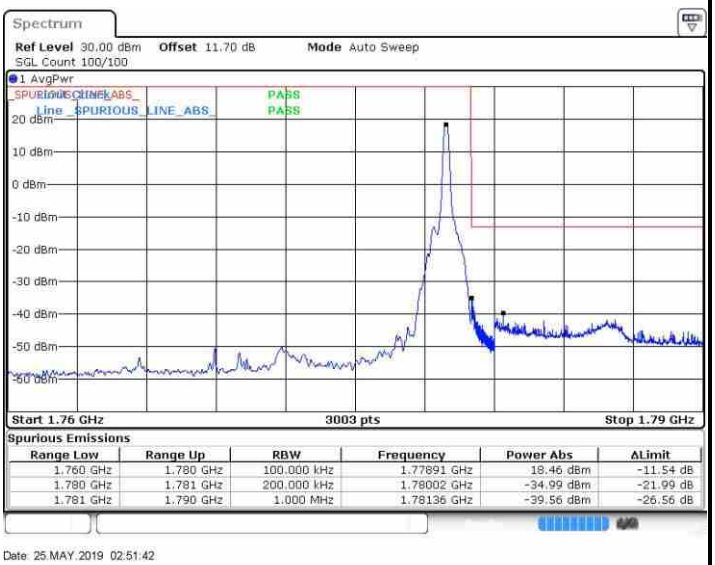
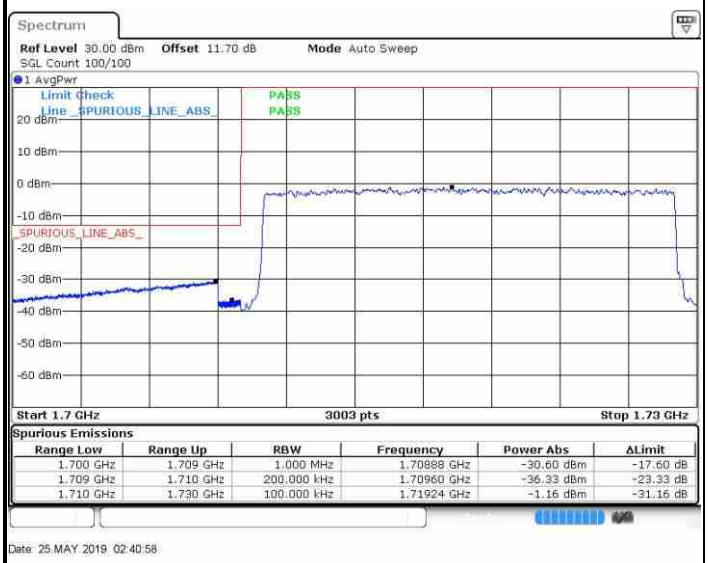
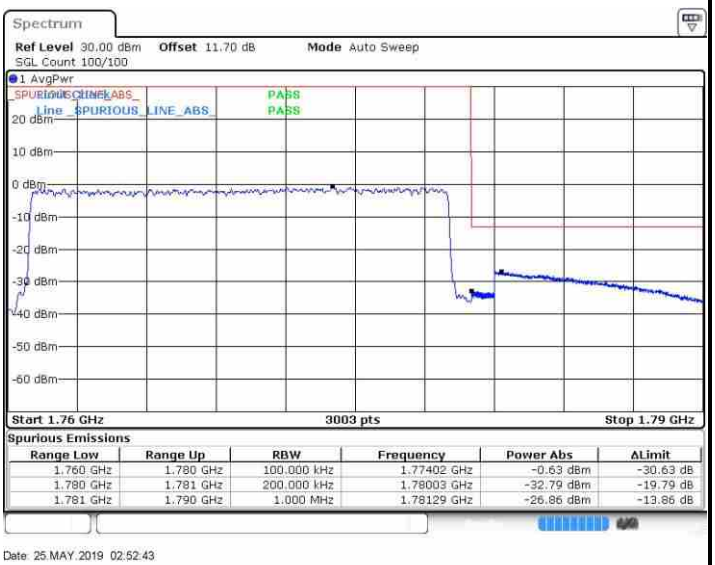
| LTE Band 66 / 20MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |



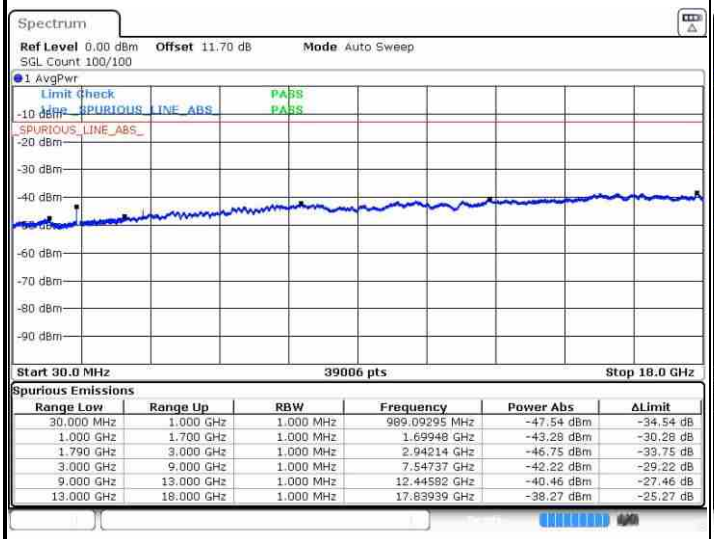



| LTE Band 66 / 20MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

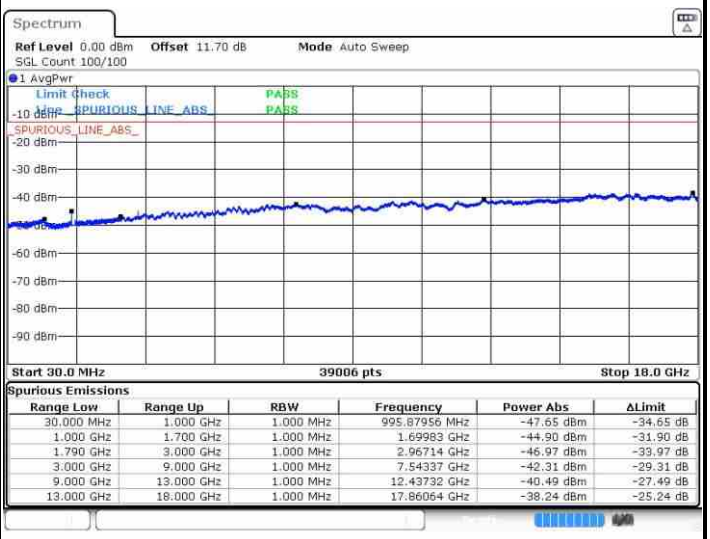



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 989.09295 MHz | -47.54 dBm | -34.54 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69948 GHz | -43.28 dBm | -30.28 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.94214 GHz | -46.75 dBm | -33.75 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54737 GHz | -42.22 dBm | -29.22 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.44582 GHz | -40.46 dBm | -27.46 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.83939 GHz | -38.27 dBm | -25.27 dB |

Date: 24.MAY.2019 01:49:11

### Lowest Channel / 16QAM

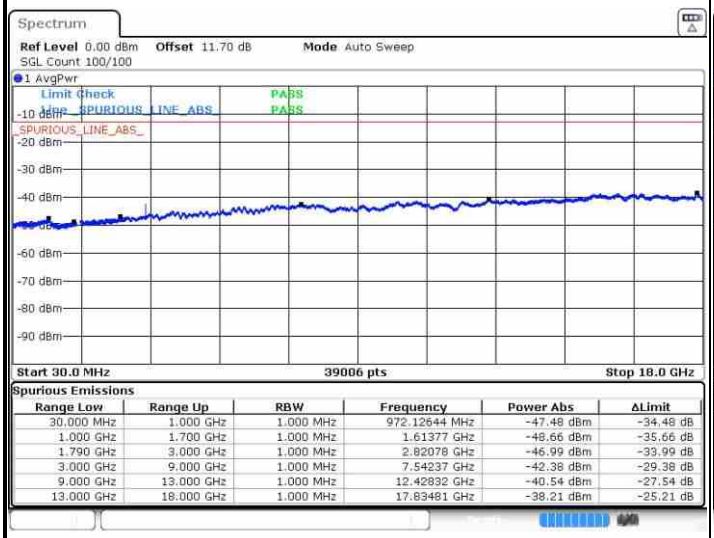



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 995.87956 MHz | -47.65 dBm | -34.65 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69983 GHz | -44.90 dBm | -31.90 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.96714 GHz | -46.97 dBm | -33.97 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54337 GHz | -42.31 dBm | -29.31 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.43732 GHz | -40.49 dBm | -27.49 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.86064 GHz | -38.24 dBm | -25.24 dB |

Date: 24.MAY.2019 01:49:53

### Middle Channel / QPSK

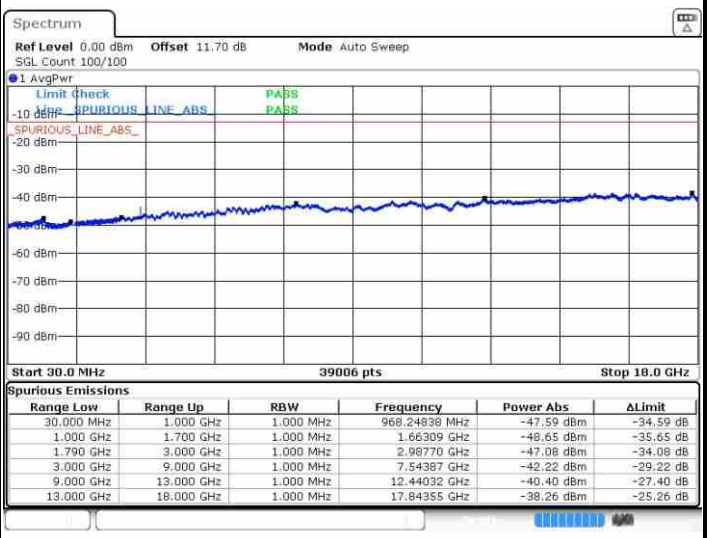



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 972.12644 MHz | -47.48 dBm | -34.48 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.61377 GHz | -48.66 dBm | -35.66 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.82078 GHz | -46.99 dBm | -33.99 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54237 GHz | -42.38 dBm | -29.38 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.42832 GHz | -40.54 dBm | -27.54 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.83481 GHz | -38.21 dBm | -25.21 dB |

Date: 24.MAY.2019 01:51:25

### Middle Channel / 16QAM



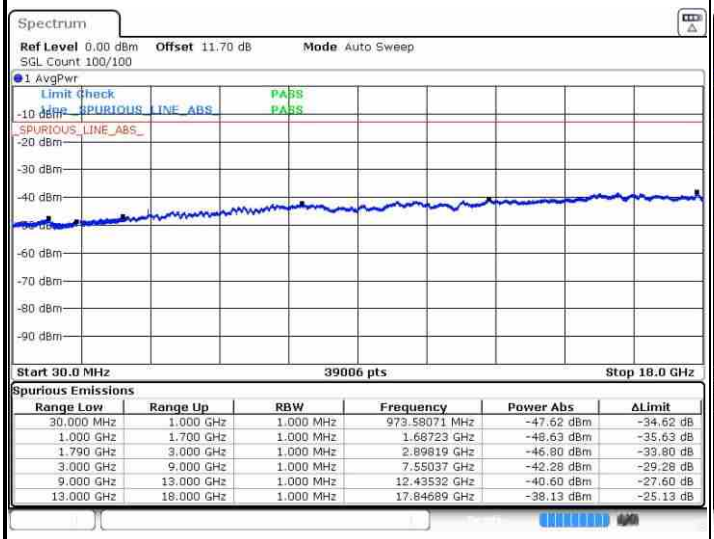

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 968.24838 MHz | -47.59 dBm | -34.59 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.66309 GHz | -48.65 dBm | -35.65 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.98770 GHz | -47.08 dBm | -34.08 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54387 GHz | -42.22 dBm | -29.22 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.44032 GHz | -40.40 dBm | -27.40 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.84355 GHz | -38.26 dBm | -25.26 dB |

Date: 24.MAY.2019 01:52:07

## LTE Band 66 / 1.4MHz

### Highest Channel / QPSK

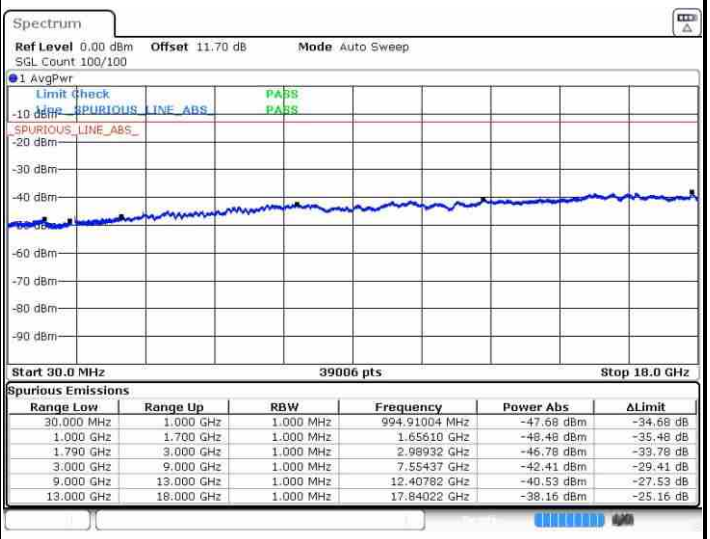



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 973.58071 MHz | -47.62 dBm | -34.62 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.68723 GHz | -48.63 dBm | -35.63 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.89819 GHz | -46.80 dBm | -33.80 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.55037 GHz | -42.28 dBm | -29.28 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.43532 GHz | -40.60 dBm | -27.60 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.84689 GHz | -38.13 dBm | -25.13 dB |

Date: 24.MAY.2019 01:57:55

### Highest Channel / 16QAM



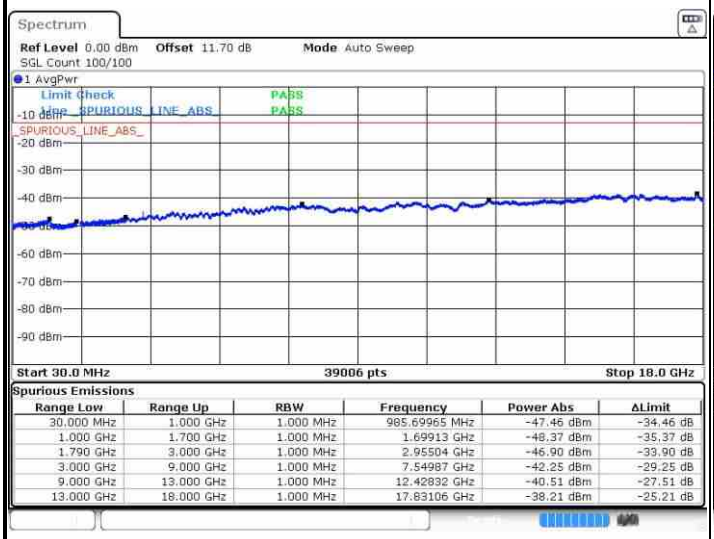

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 994.91004 MHz | -47.68 dBm | -34.68 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.65610 GHz | -48.48 dBm | -35.48 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.98932 GHz | -46.78 dBm | -33.78 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.55437 GHz | -42.41 dBm | -29.41 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.40782 GHz | -40.53 dBm | -27.53 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.84022 GHz | -38.16 dBm | -25.16 dB |

Date: 24.MAY.2019 01:58:37

## LTE Band 66 / 3MHz

### Lowest Channel / QPSK

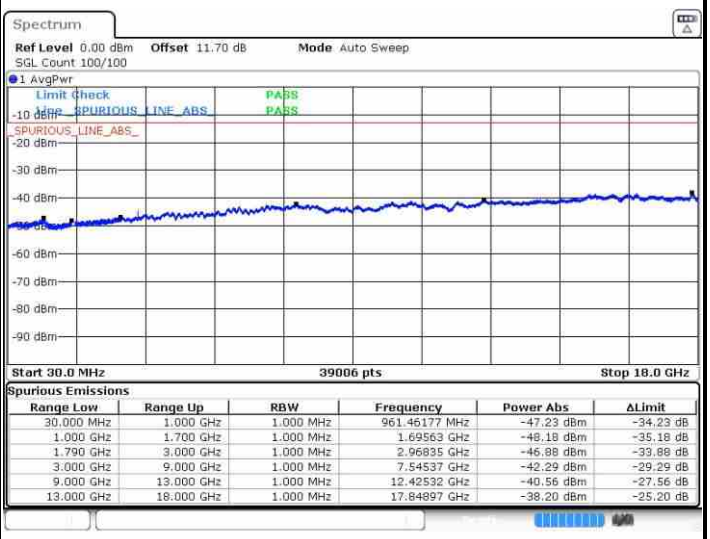



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 985.69965 MHz | -47.46 dBm | -34.46 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69913 GHz | -48.37 dBm | -35.37 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.95504 GHz | -46.90 dBm | -33.90 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54987 GHz | -42.25 dBm | -29.25 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.42832 GHz | -40.51 dBm | -27.51 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.83106 GHz | -38.21 dBm | -25.21 dB |

Date: 24.MAY.2019 02:11:54

### Lowest Channel / 16QAM



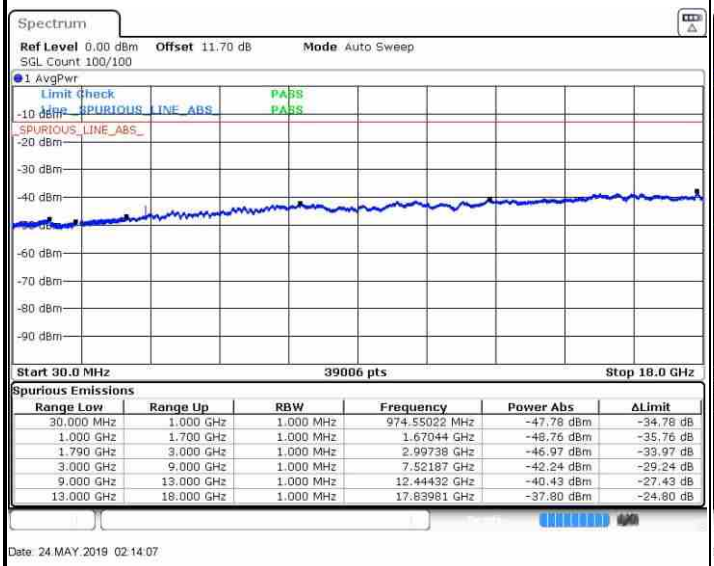

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 961.46177 MHz | -47.23 dBm | -34.23 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69563 GHz | -48.18 dBm | -35.18 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.96835 GHz | -46.88 dBm | -33.88 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54537 GHz | -42.29 dBm | -29.29 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.42532 GHz | -40.56 dBm | -27.56 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.84897 GHz | -38.20 dBm | -25.20 dB |

Date: 24.MAY.2019 02:12:36

## LTE Band 66 / 3MHz

### Middle Channel / QPSK

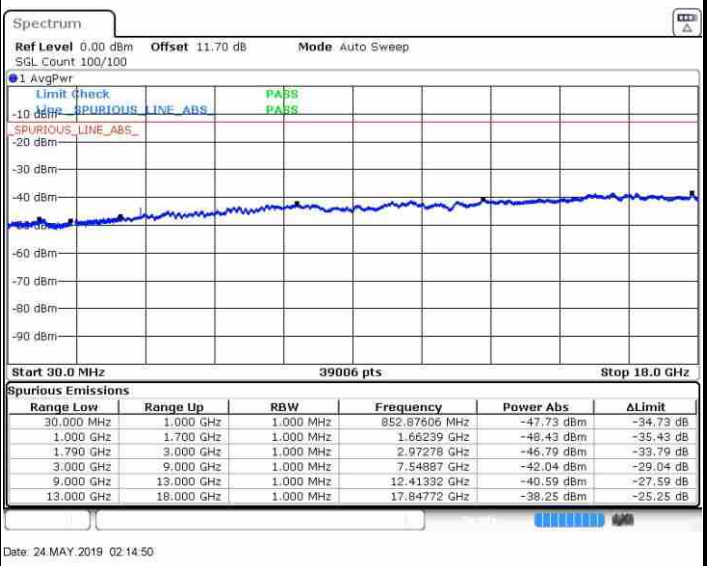



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 974.55022 MHz | -47.78 dBm | -34.78 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.67044 GHz | -48.76 dBm | -35.76 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.99738 GHz | -46.97 dBm | -33.97 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.52187 GHz | -42.24 dBm | -29.24 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.44432 GHz | -40.43 dBm | -27.43 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.83981 GHz | -37.80 dBm | -24.80 dB |

Date: 24.MAY.2019 02:14:07

### Middle Channel / 16QAM

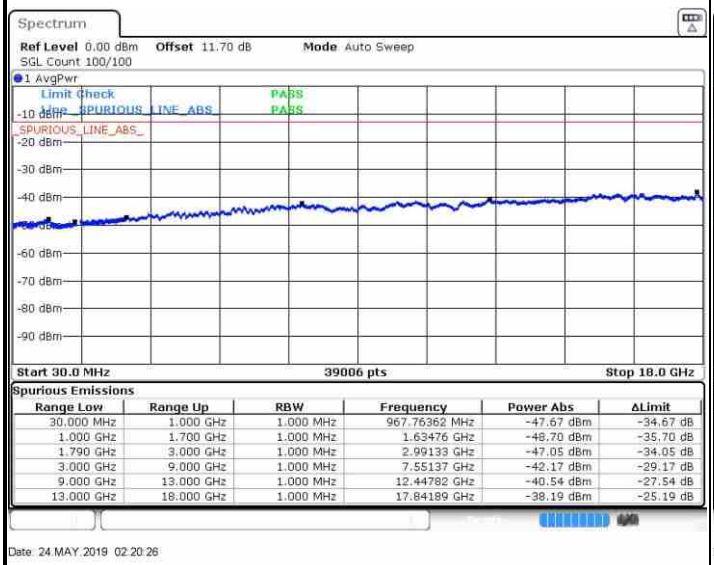



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 852.87606 MHz | -47.73 dBm | -34.73 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.66239 GHz | -48.43 dBm | -35.43 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.97278 GHz | -46.79 dBm | -33.79 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54887 GHz | -42.04 dBm | -29.04 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.41332 GHz | -40.59 dBm | -27.59 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.84772 GHz | -38.25 dBm | -25.25 dB |

Date: 24.MAY.2019 02:14:50

### Highest Channel / QPSK

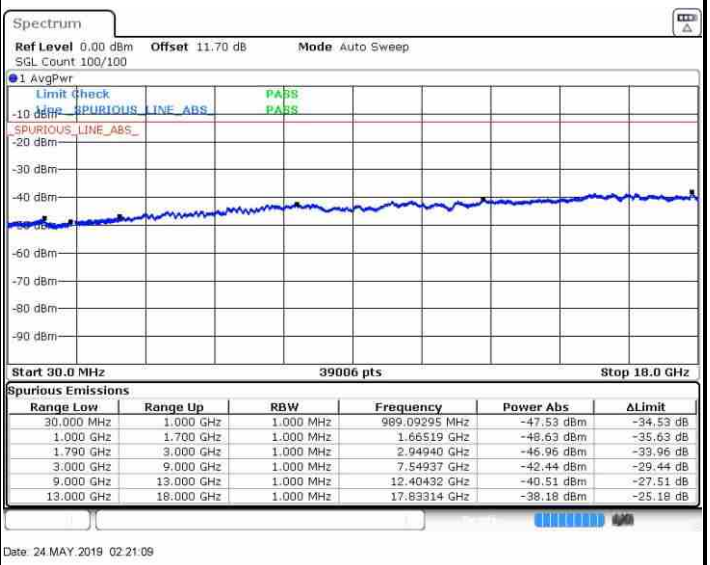



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.76362 MHz | -47.67 dBm | -34.67 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.63476 GHz | -48.70 dBm | -35.70 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.99133 GHz | -47.05 dBm | -34.05 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.55137 GHz | -42.17 dBm | -29.17 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.44782 GHz | -40.54 dBm | -27.54 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.84189 GHz | -38.19 dBm | -25.19 dB |

Date: 24.MAY.2019 02:20:26

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 989.09295 MHz | -47.53 dBm | -34.53 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.66519 GHz | -48.63 dBm | -35.63 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.94940 GHz | -46.96 dBm | -33.96 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.54937 GHz | -42.44 dBm | -29.44 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.40432 GHz | -40.51 dBm | -27.51 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 17.83314 GHz | -38.18 dBm | -25.18 dB |

Date: 24.MAY.2019 02:21:09