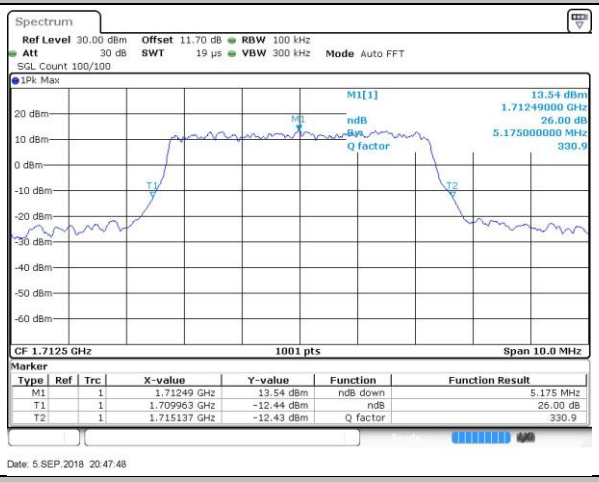
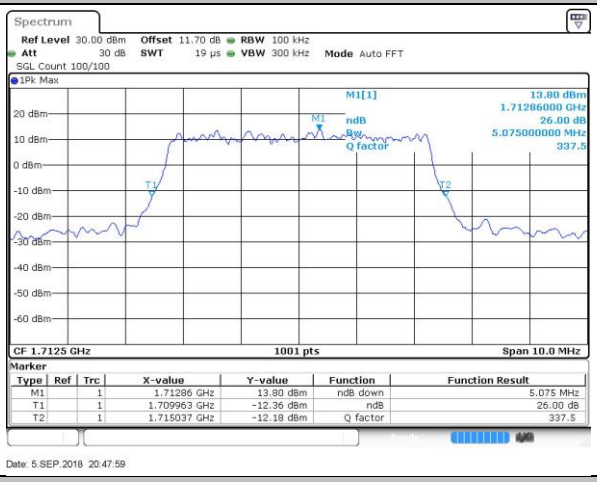
## LTE Band 66

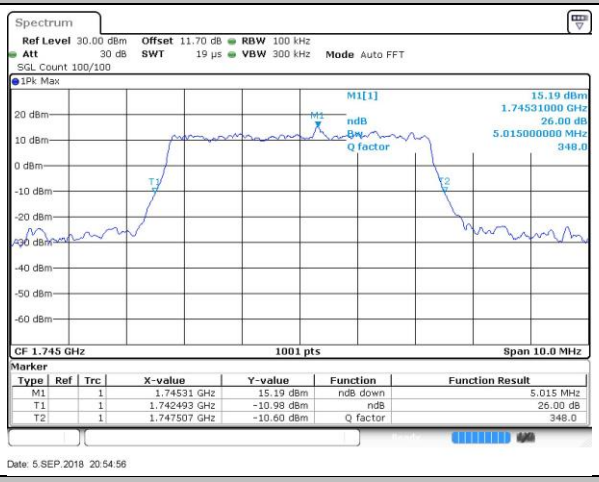
### Lowest Channel / 5MHz / QPSK



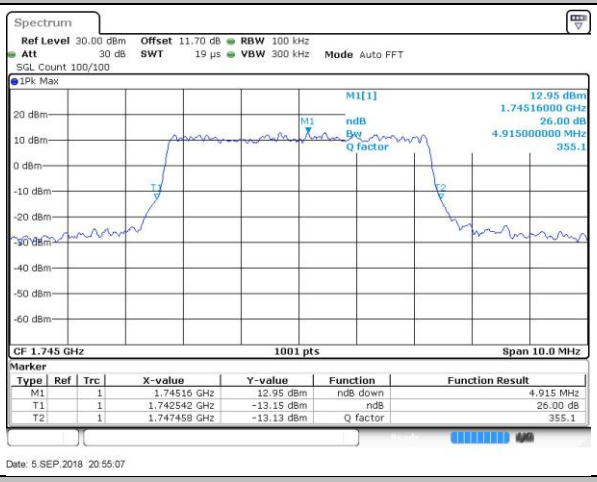

### Lowest Channel / 5MHz / 16QAM



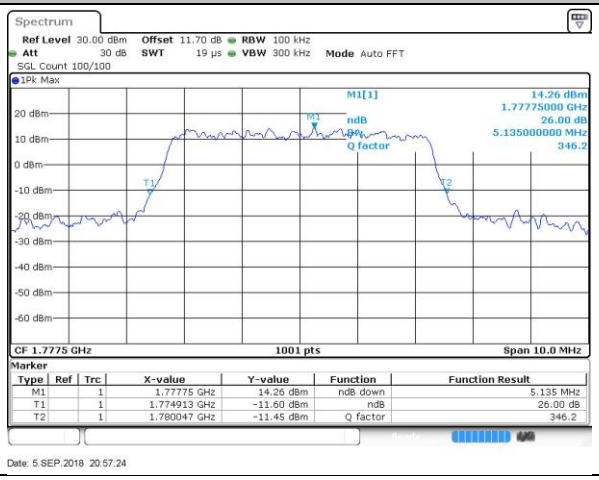

### Middle Channel / 5MHz / QPSK



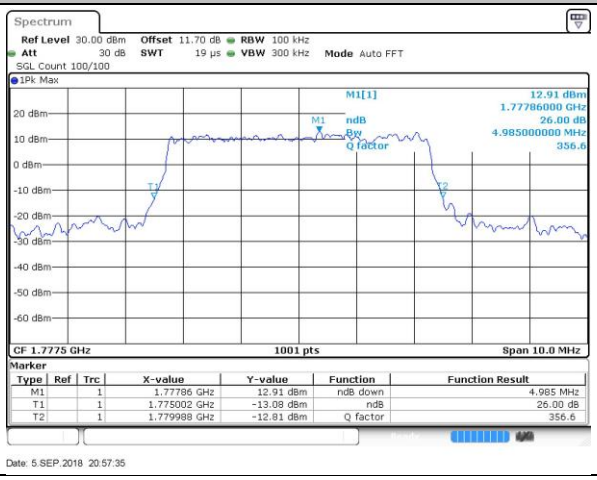

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

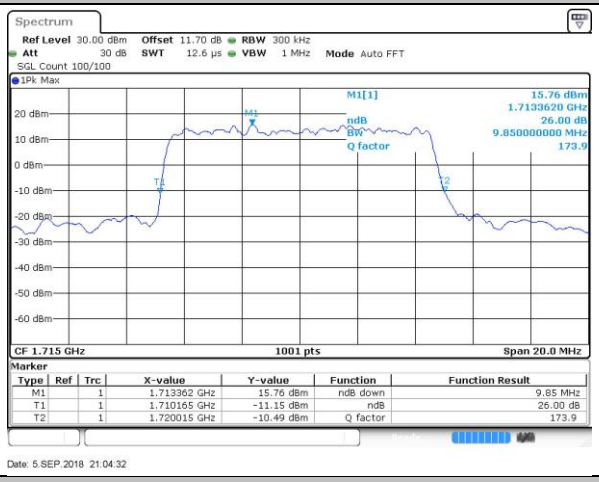



### Highest Channel / 5MHz / 16QAM

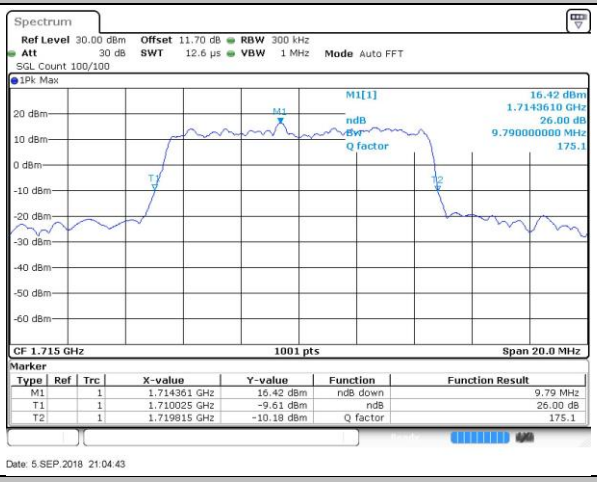


## LTE Band 66

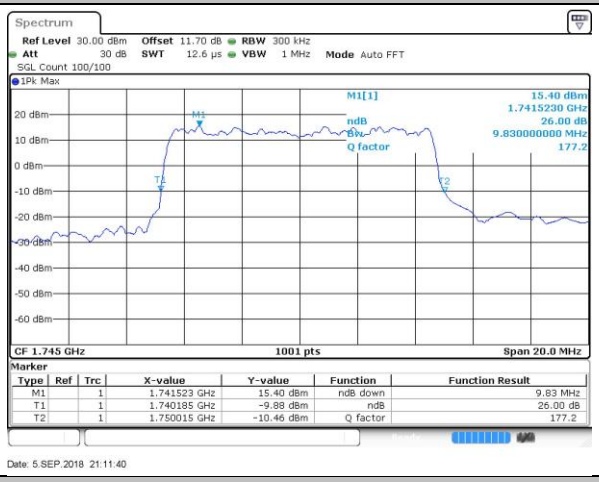
### Lowest Channel / 10MHz / QPSK



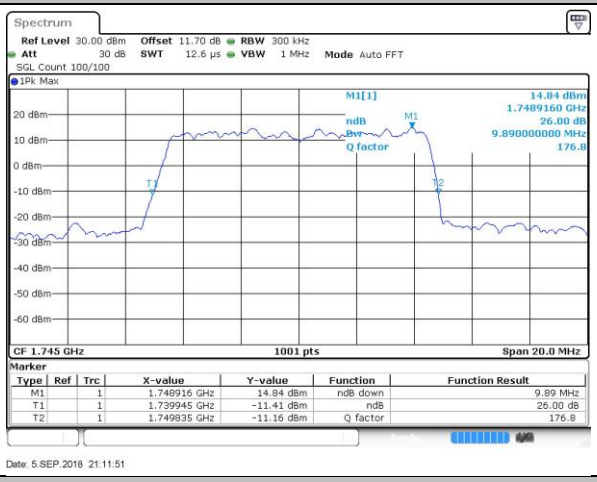

### Lowest Channel / 10MHz / 16QAM



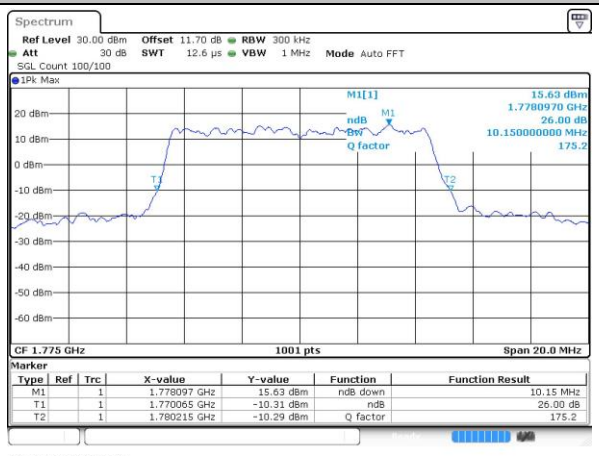

### Middle Channel / 10MHz / QPSK



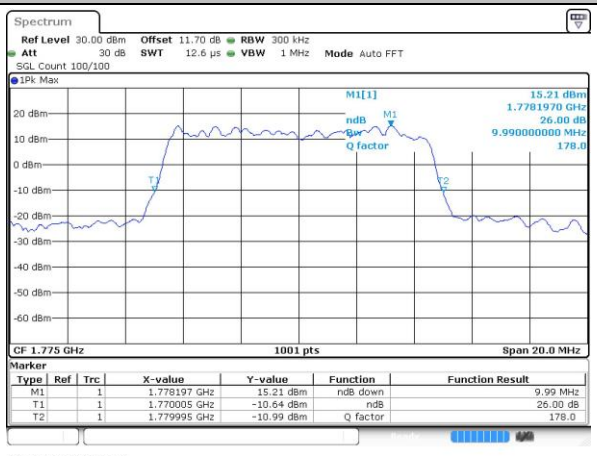

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

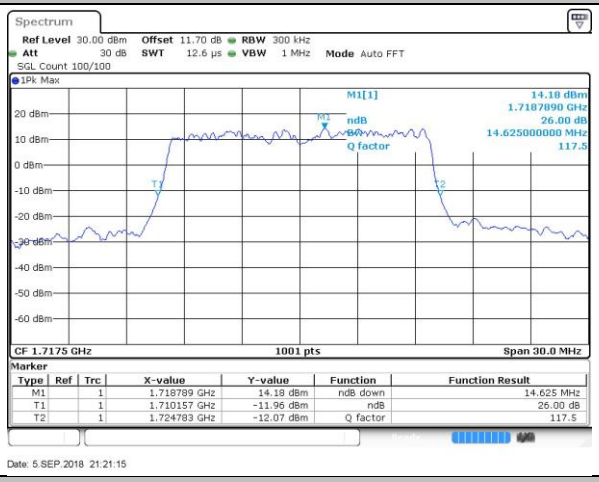



### Highest Channel / 10MHz / 16QAM

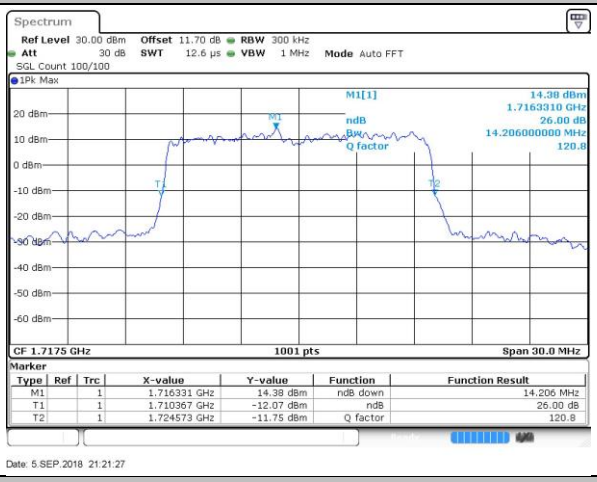


## LTE Band 66

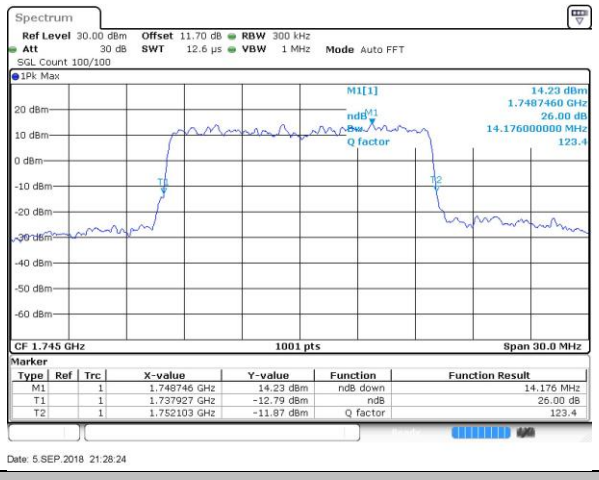
### Lowest Channel / 15MHz / QPSK



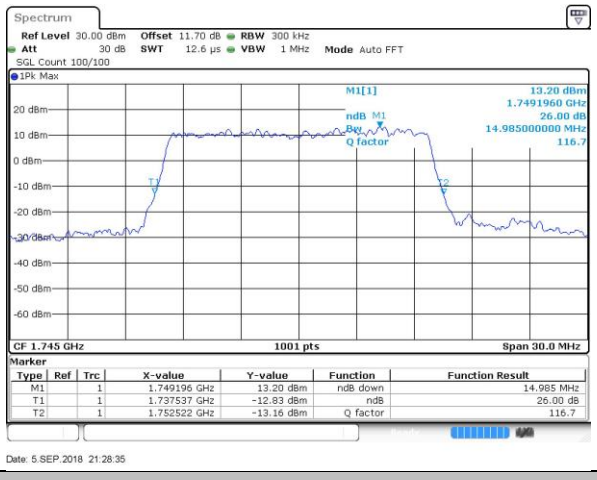

### Lowest Channel / 15MHz / 16QAM



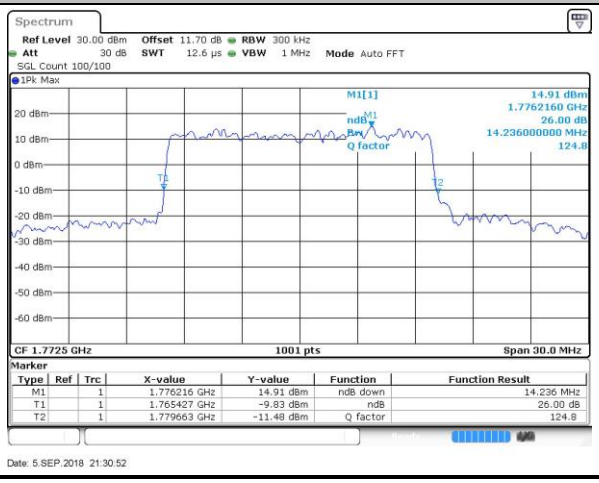

### Middle Channel / 15MHz / QPSK



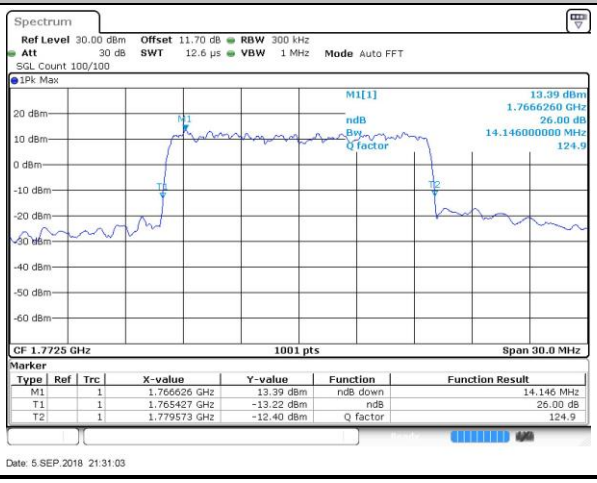

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

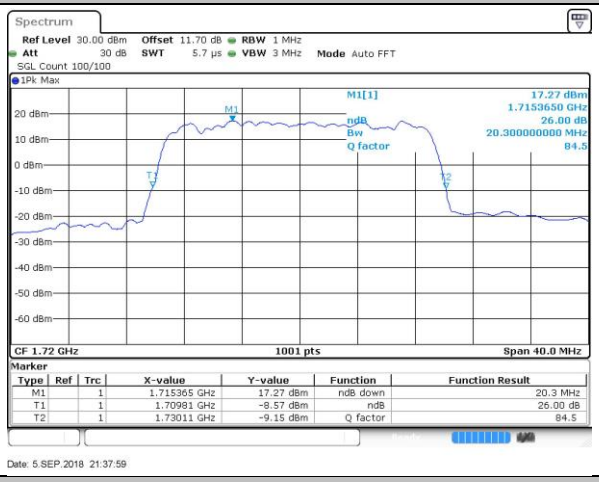



### Highest Channel / 15MHz / 16QAM

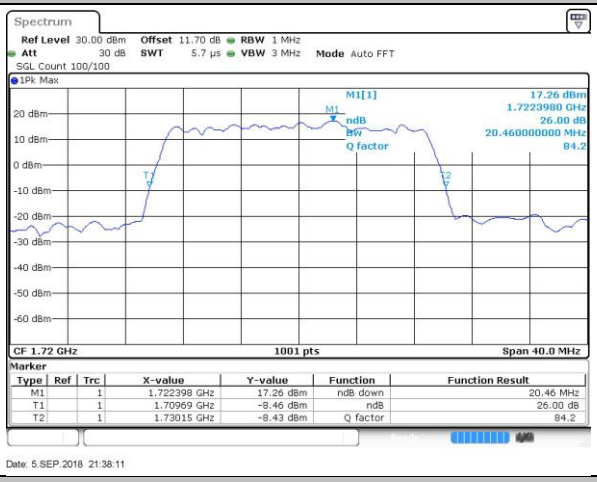


## LTE Band 66

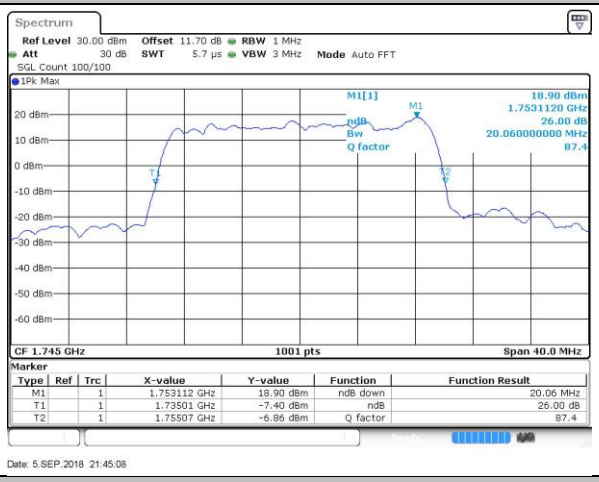
### Lowest Channel / 20MHz / QPSK



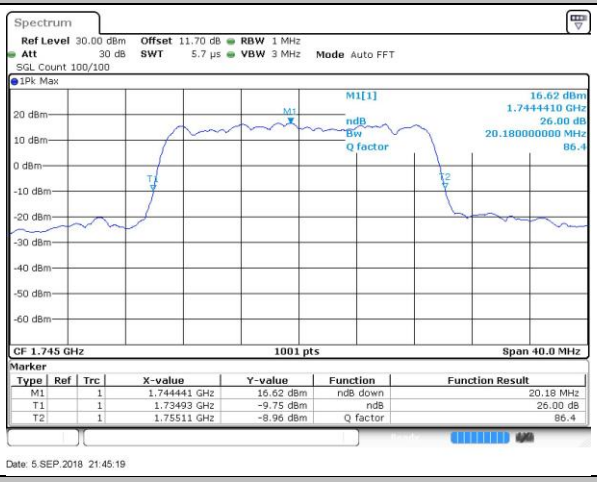

### Lowest Channel / 20MHz / 16QAM



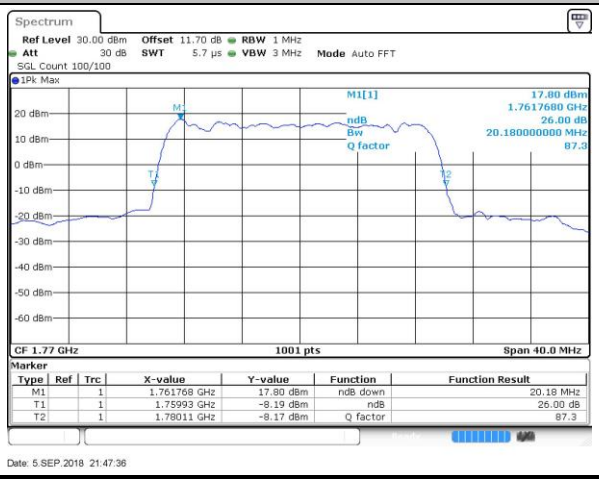

### Middle Channel / 20MHz / QPSK



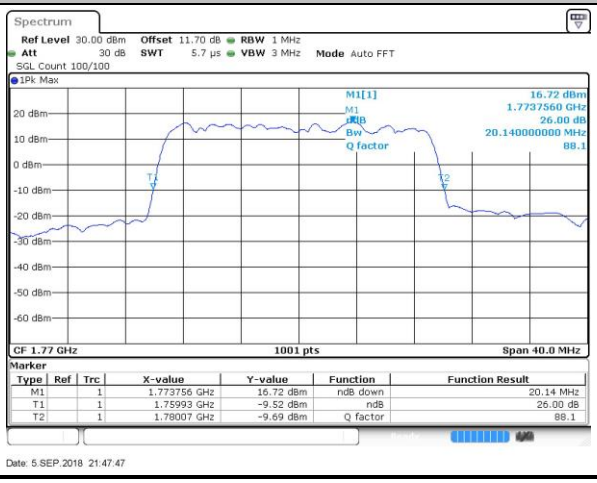

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

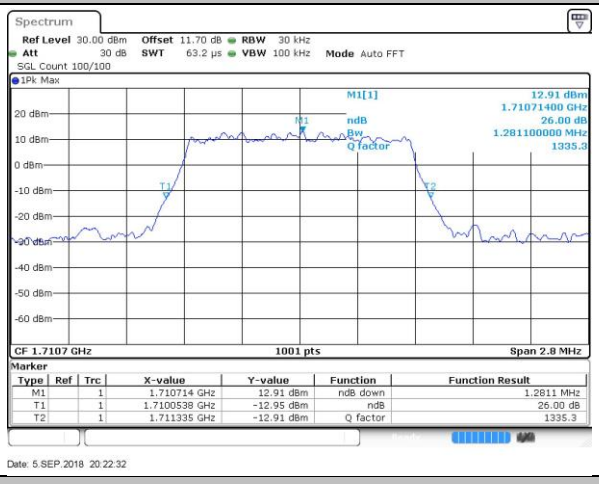



### Highest Channel / 20MHz / 16QAM

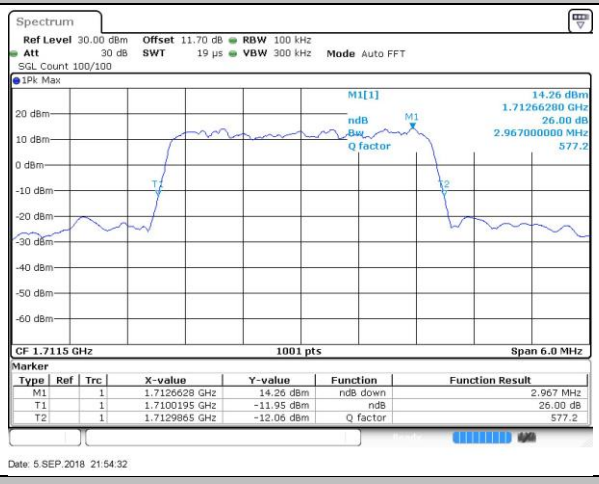


## LTE Band 66

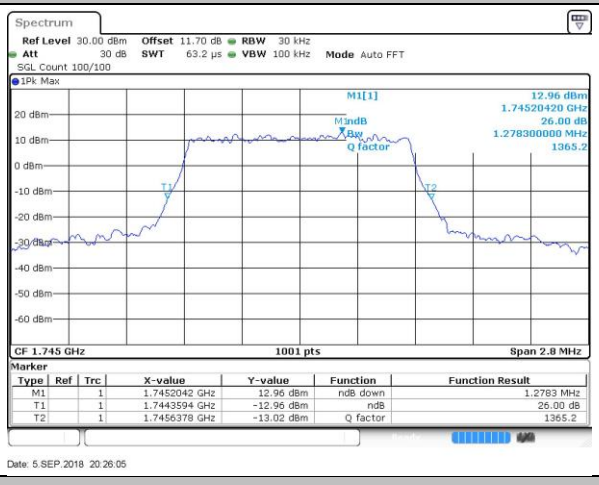
### Lowest Channel / 1.4MHz / 64QAM



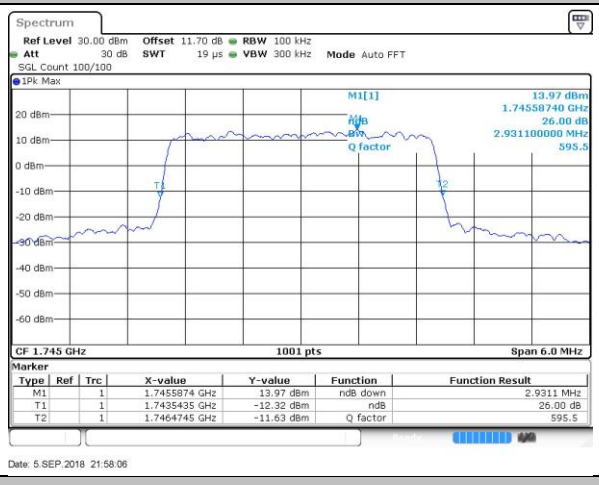

### Lowest Channel / 3MHz / 64QAM



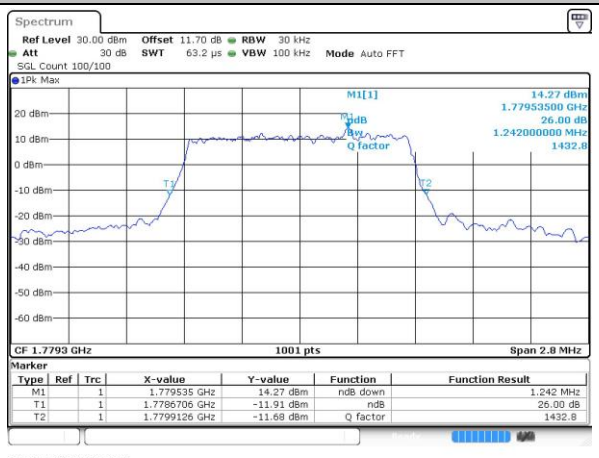

### Middle Channel / 20MHz / 64QAM



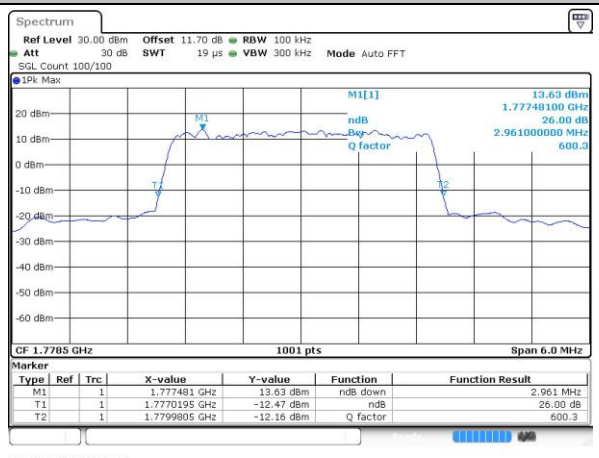

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

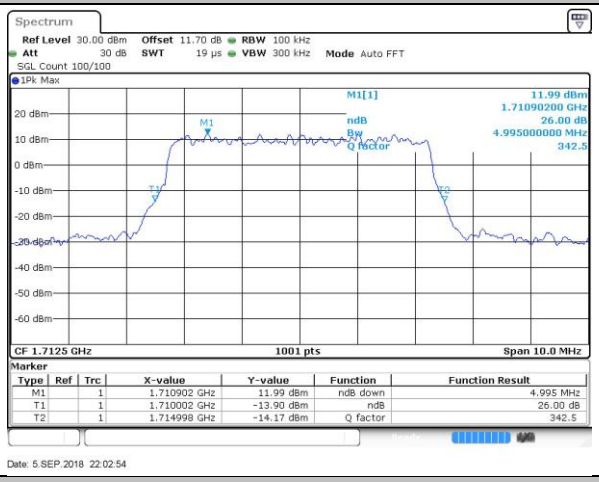



### Highest Channel / 3MHz / 64QAM

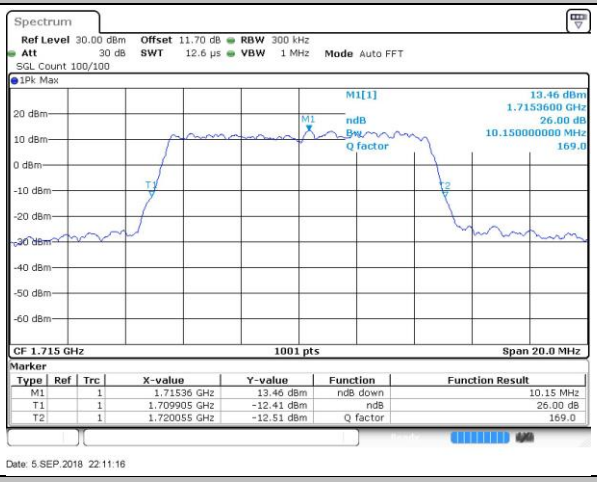


## LTE Band 66

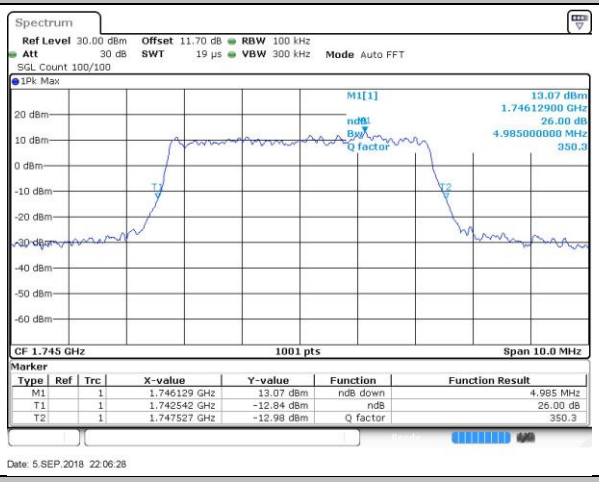
### Lowest Channel / 5MHz / 64QAM



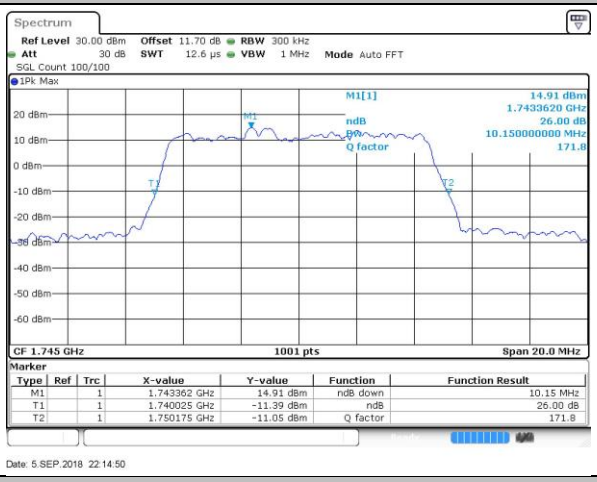

### Lowest Channel / 10MHz / 64QAM



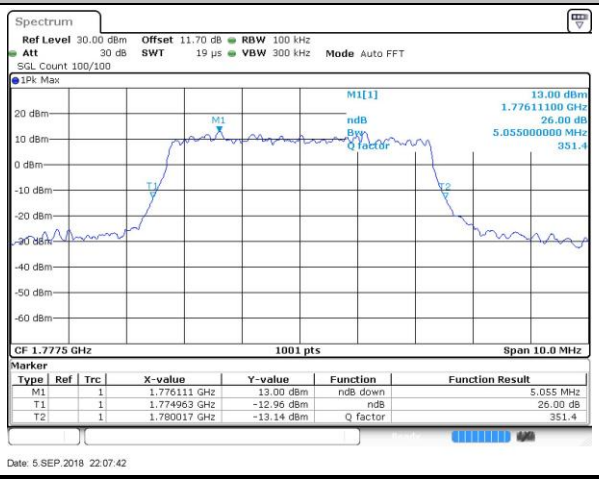

### Middle Channel / 5MHz / 64QAM



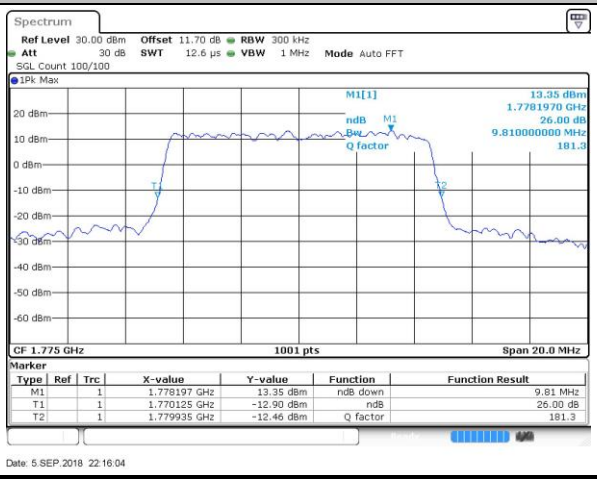

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

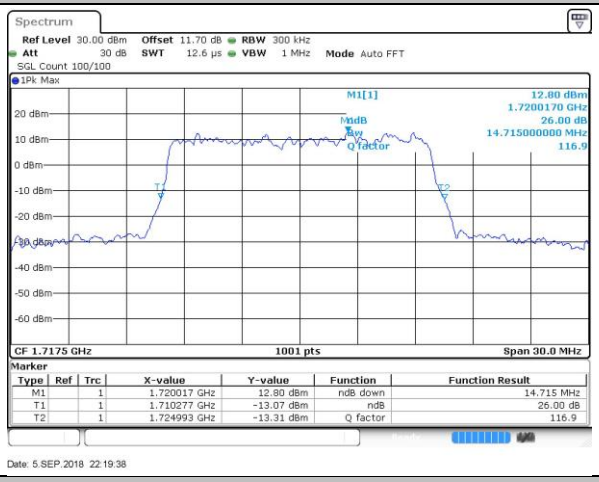



### Highest Channel / 10MHz / 64QAM

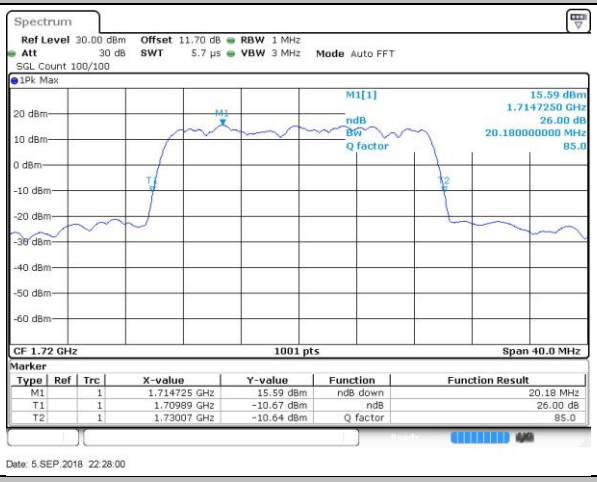


## LTE Band 66

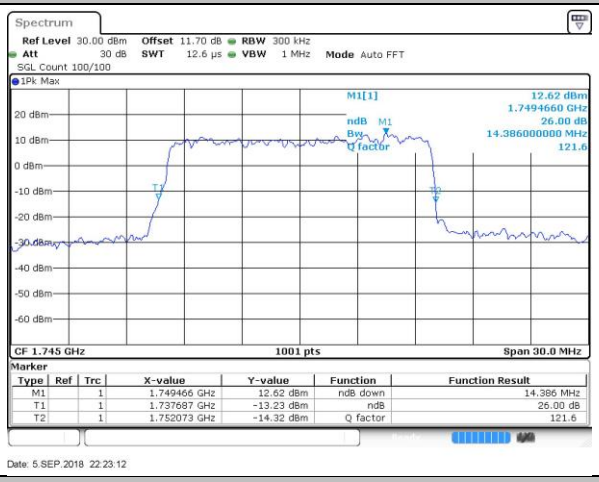
### Lowest Channel / 15MHz / 64QAM



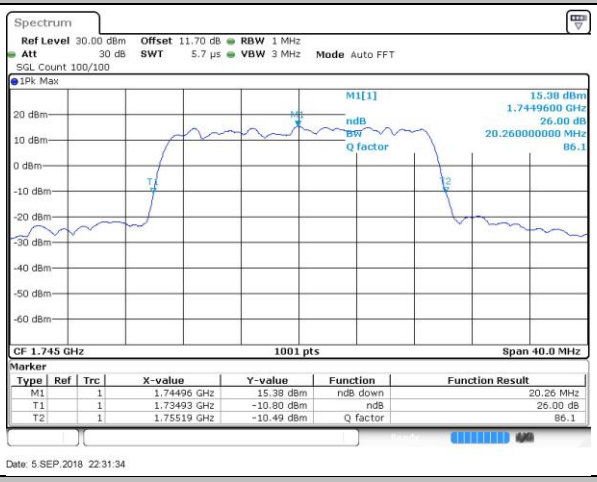

### Lowest Channel / 20MHz / 64QAM



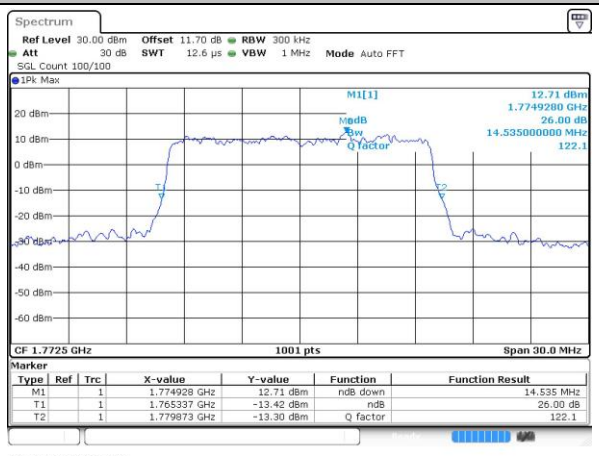

### Middle Channel / 15MHz / 64QAM



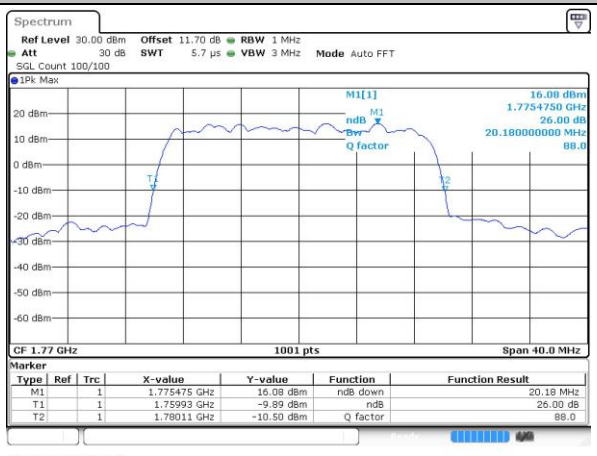

### Middle Channel / 20MHz / 64QAM




### Highest Channel / 15MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

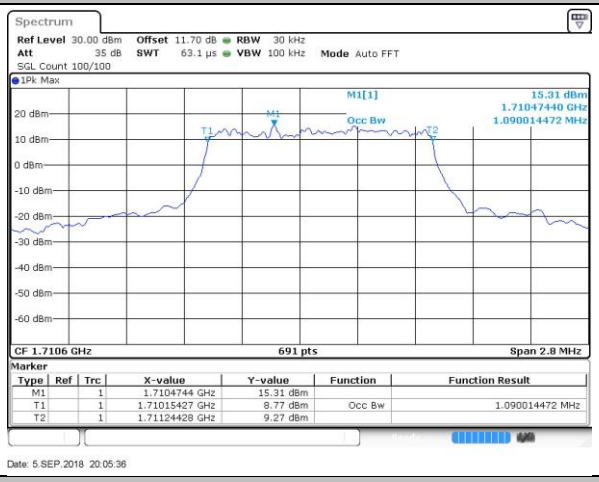


# Occupied Bandwidth

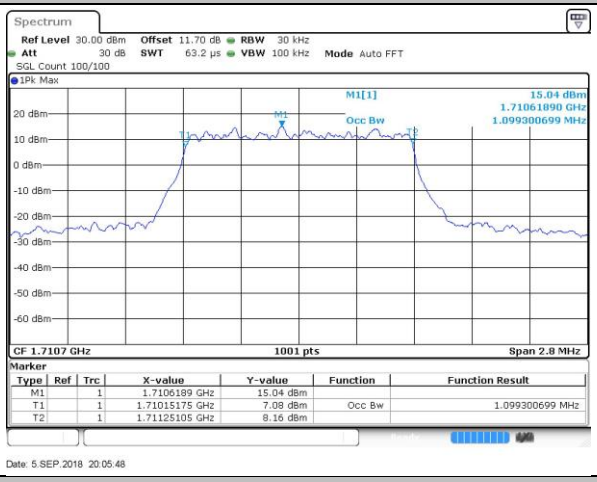
| Mode | LTE Band 66 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.1 | 2.71 | 2.71 | 4.49 | 4.49 | 9.09 | 9.03 | 13.46 | 13.43 | 18.42 | 18.3 |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.71 | 4.49 | 4.51 | 9.03 | 9.07 | 13.46 | 13.43 | 18.34 | 18.3 |
| Highest CH | 1.09 | 1.09 | 2.73 | 2.72 | 4.52 | 4.52 | 9.03 | 9.05 | 13.43 | 13.46 | 18.46 | 18.34 |
| 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 | - | 4.49 | - | 9.07 | - | 13.43 | - | 18.38 | - |
| Middle CH | 1.09 | - | 2.69 | - | 4.49 | - | 9.05 | - | 13.43 | - | 18.42 | - |
| Highest CH | 1.09 | - | 2.72 | - | 4.52 | - | 9.09 | - | 13.46 | - | 18.54 | - |

## LTE Band 66

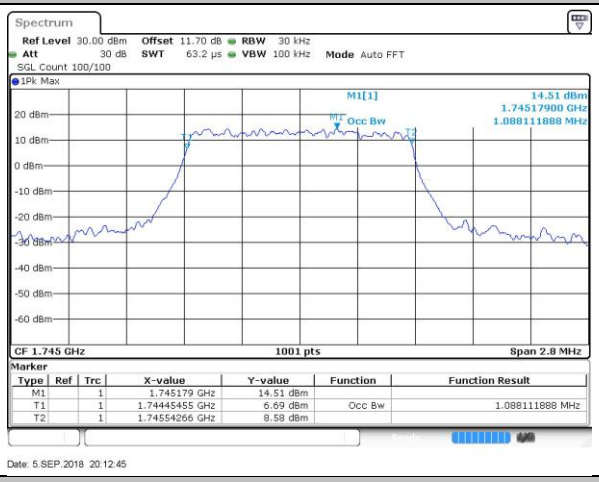
### Lowest Channel / 1.4MHz / QPSK



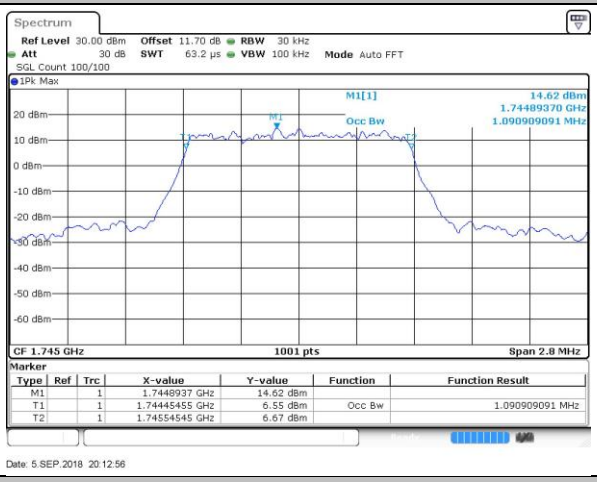

### Lowest Channel / 1.4MHz / 16QAM



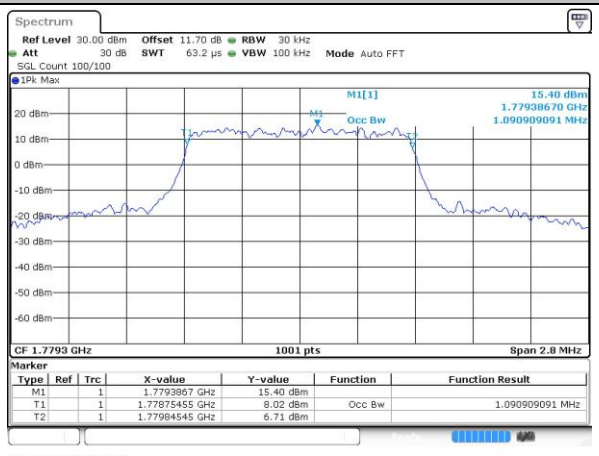

### Middle Channel / 1.4MHz / QPSK



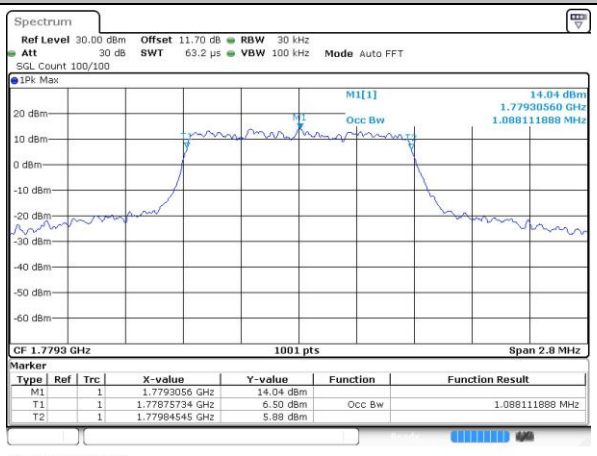

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

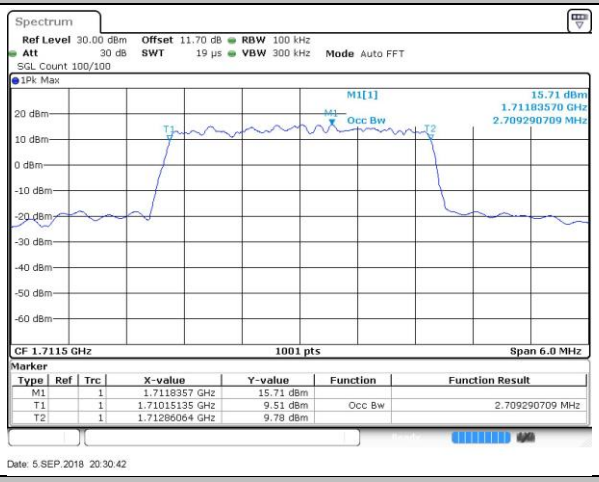



### Highest Channel / 1.4MHz / 16QAM

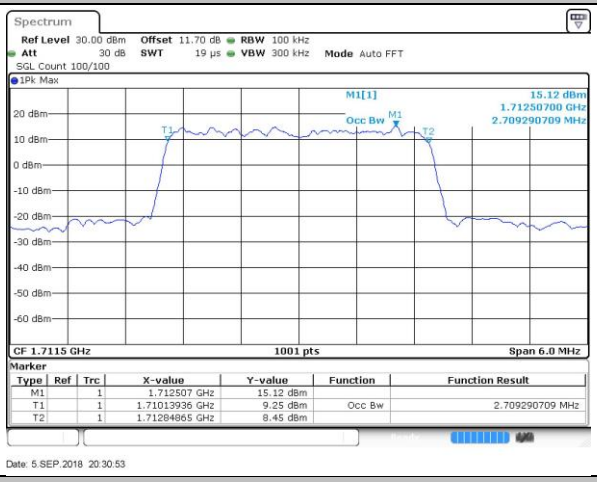


## LTE Band 66

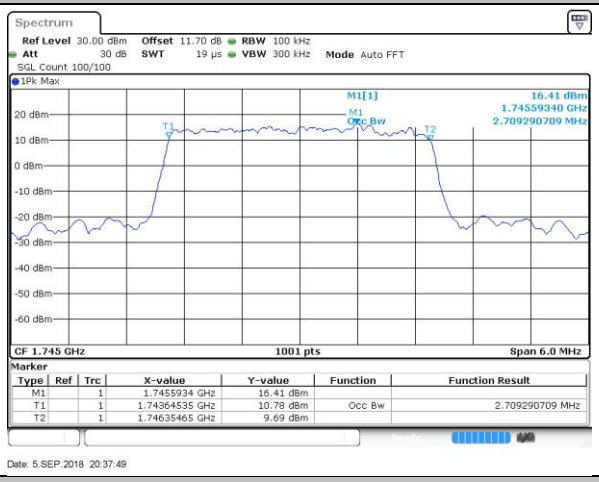
### Lowest Channel / 3MHz / QPSK



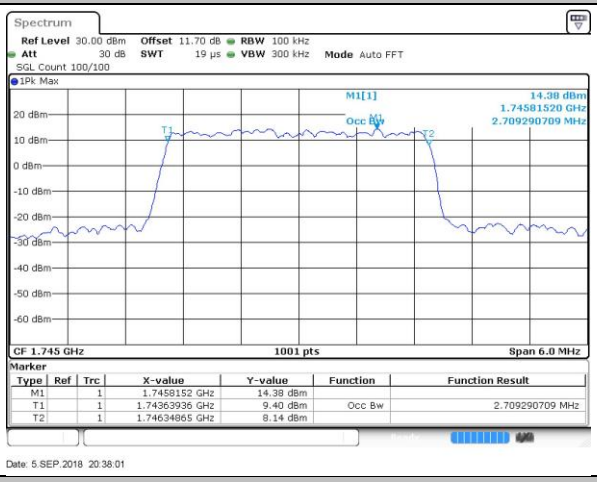

### Lowest Channel / 3MHz / 16QAM



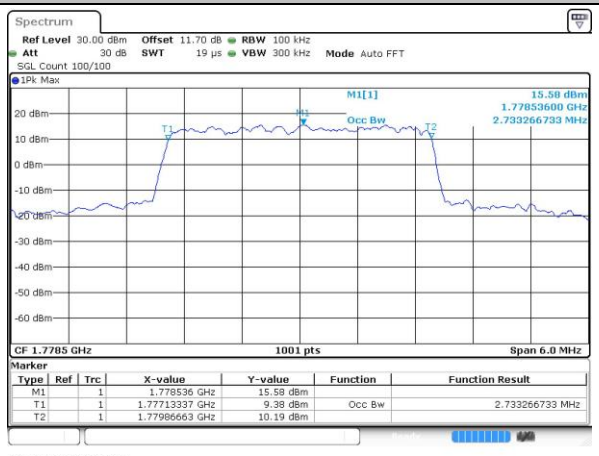

### Middle Channel / 3MHz / QPSK



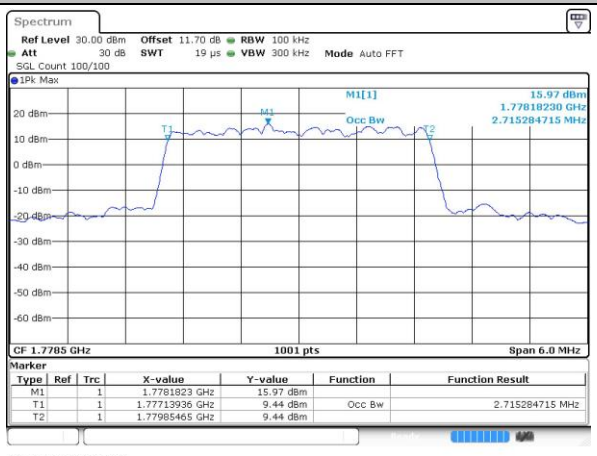

### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK

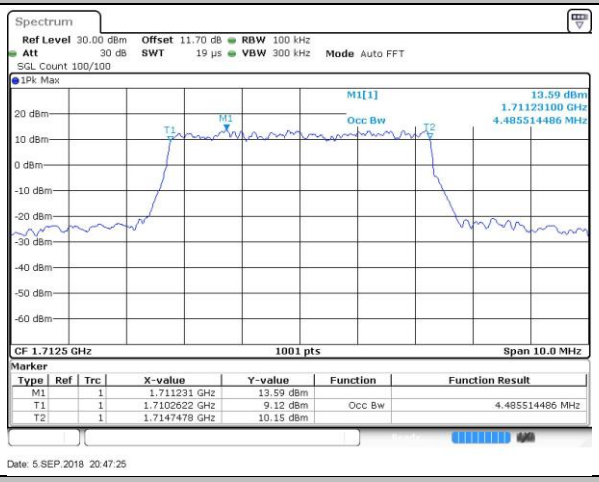



### Highest Channel / 3MHz / 16QAM

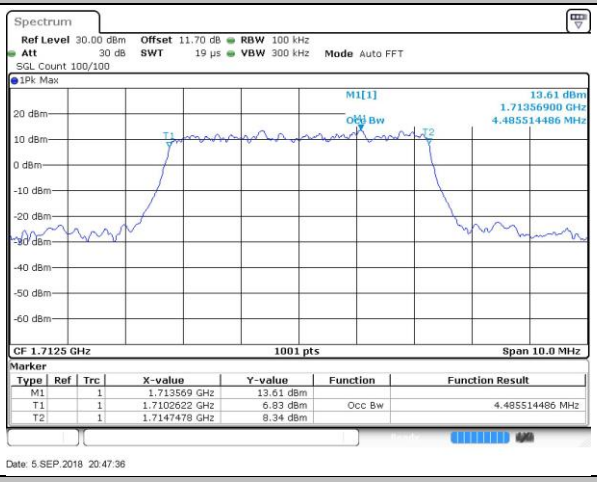


## LTE Band 66

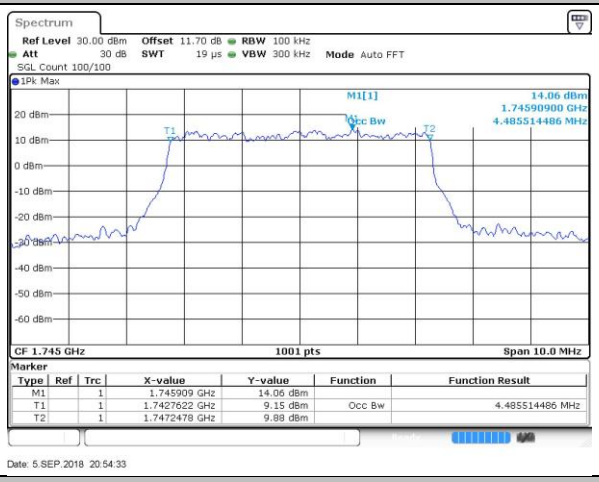
### Lowest Channel / 5MHz / QPSK



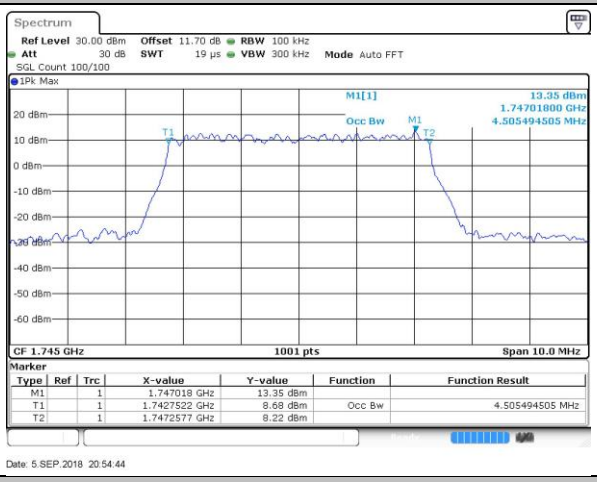

### Lowest Channel / 5MHz / 16QAM



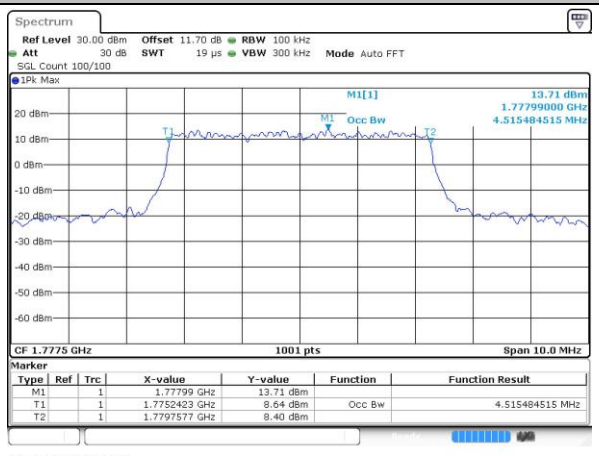

### Middle Channel / 5MHz / QPSK



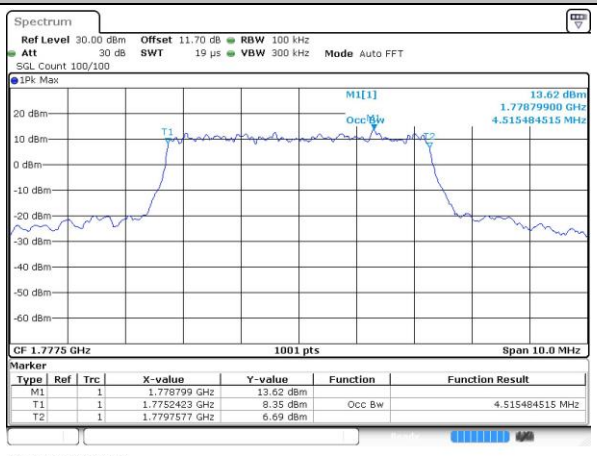

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

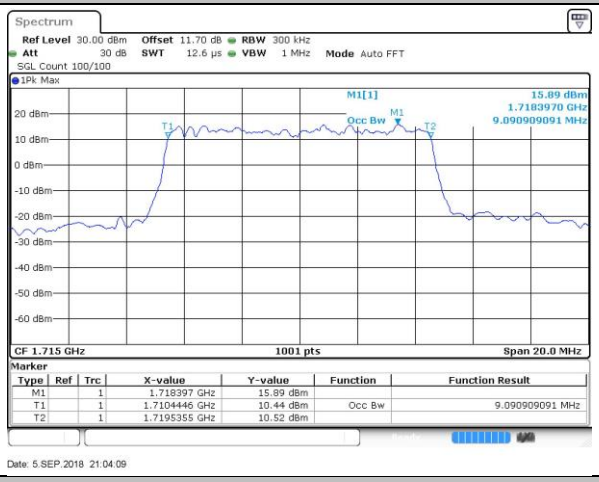



### Highest Channel / 5MHz / 16QAM

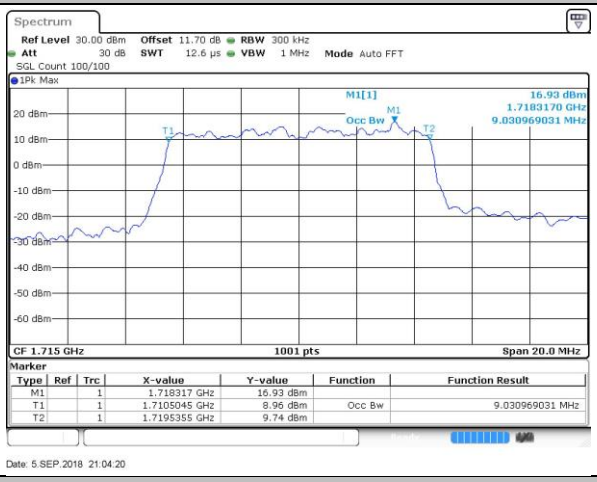


## LTE Band 66

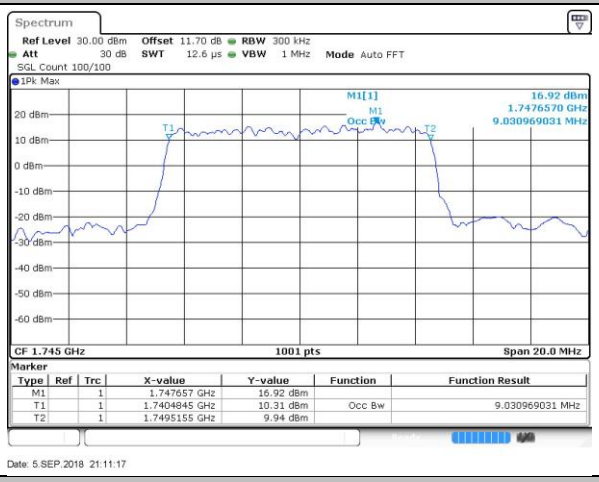
### Lowest Channel / 10MHz / QPSK



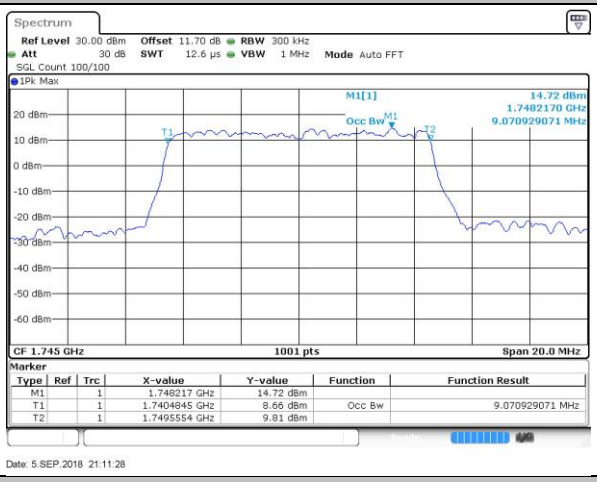

### Lowest Channel / 10MHz / 16QAM



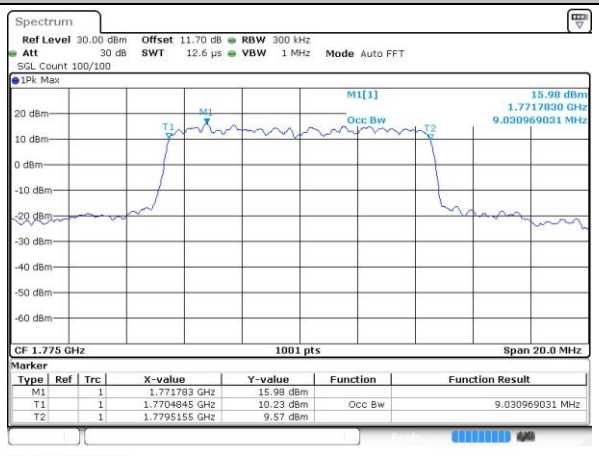

### Middle Channel / 10MHz / QPSK



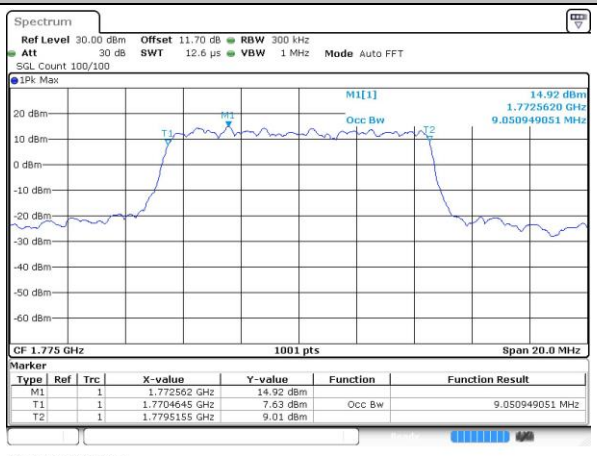

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

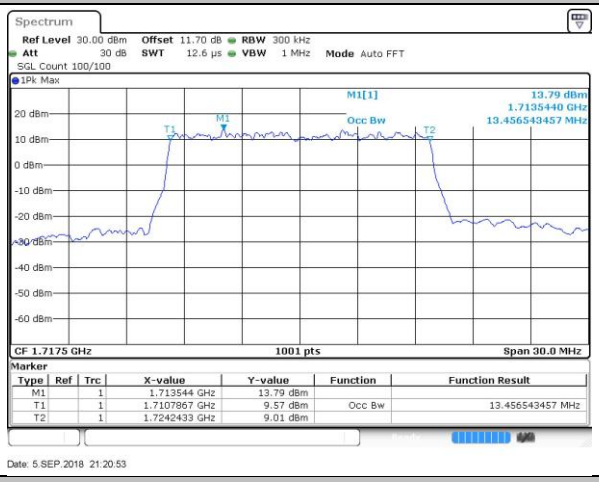



### Highest Channel / 10MHz / 16QAM

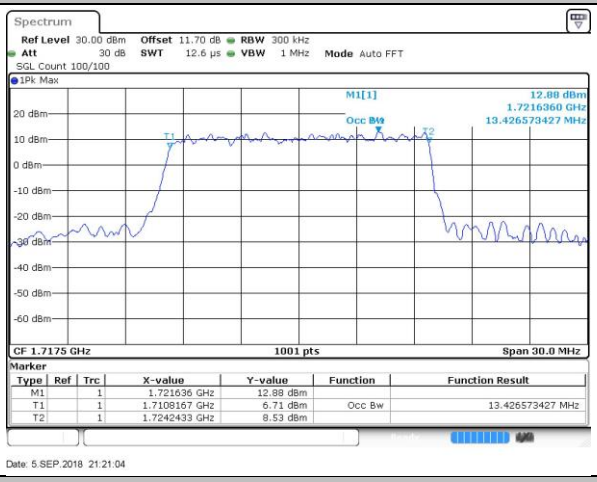


## LTE Band 66

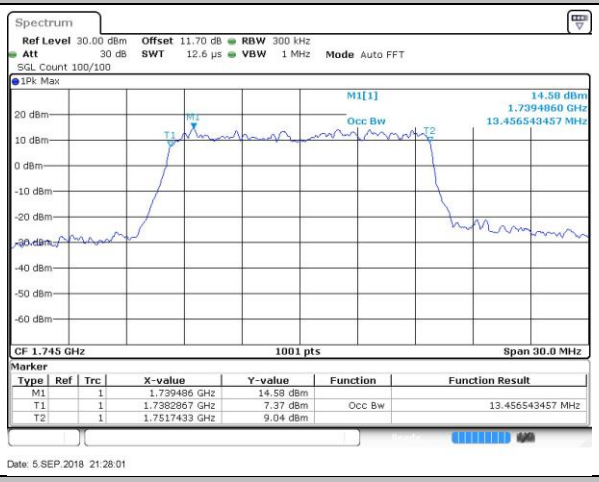
### Lowest Channel / 15MHz / QPSK



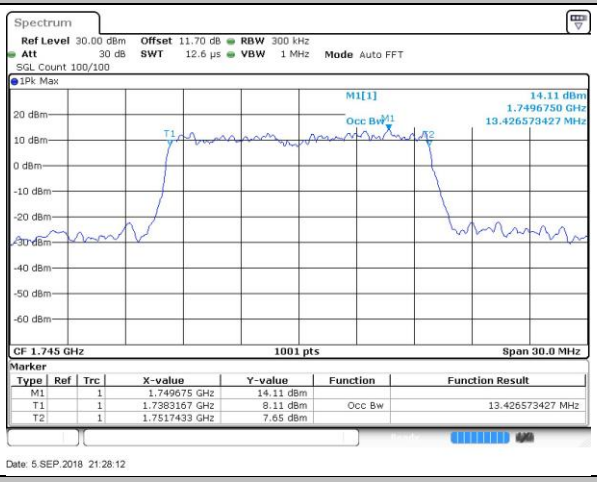

### Lowest Channel / 15MHz / 16QAM



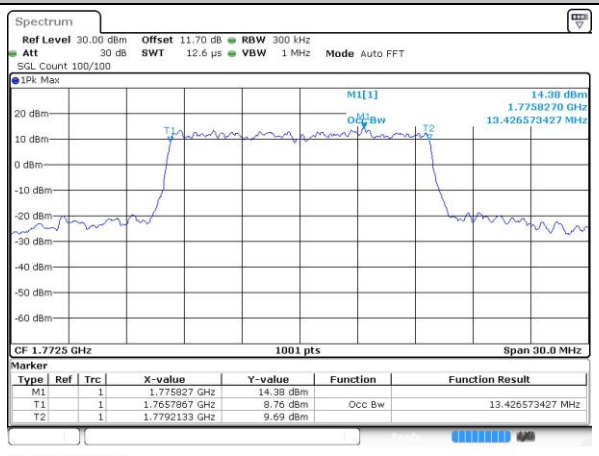

### Middle Channel / 15MHz / QPSK



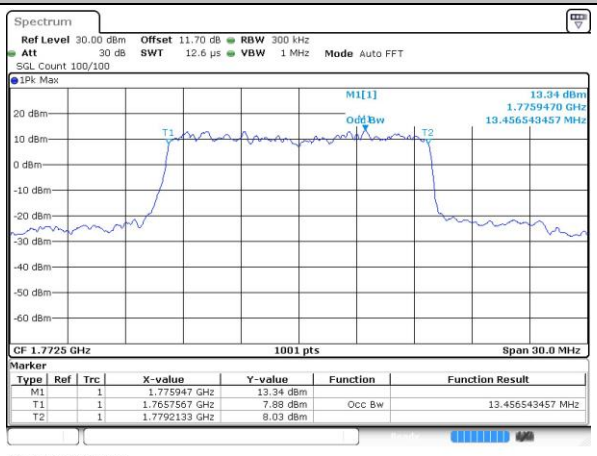

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

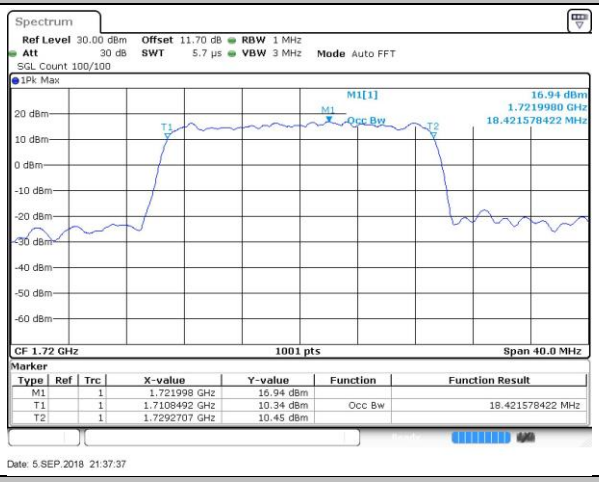



### Highest Channel / 15MHz / 16QAM

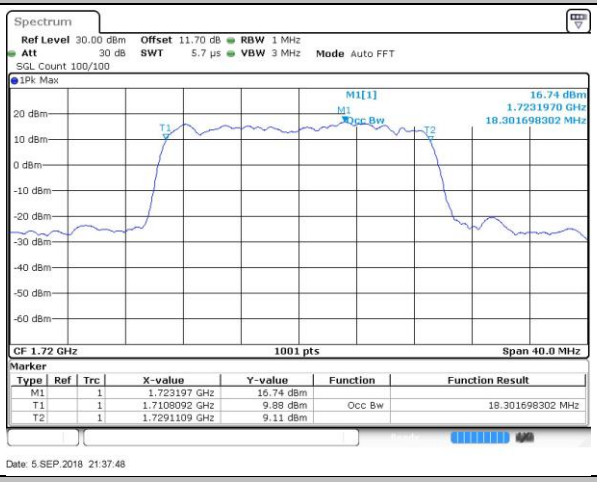


## LTE Band 66

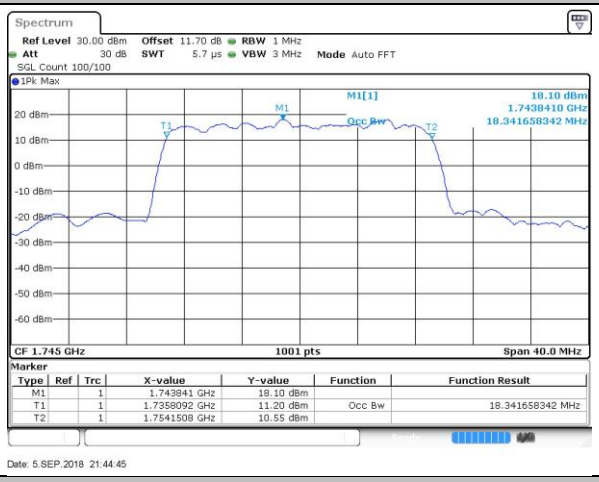
### Lowest Channel / 20MHz / QPSK



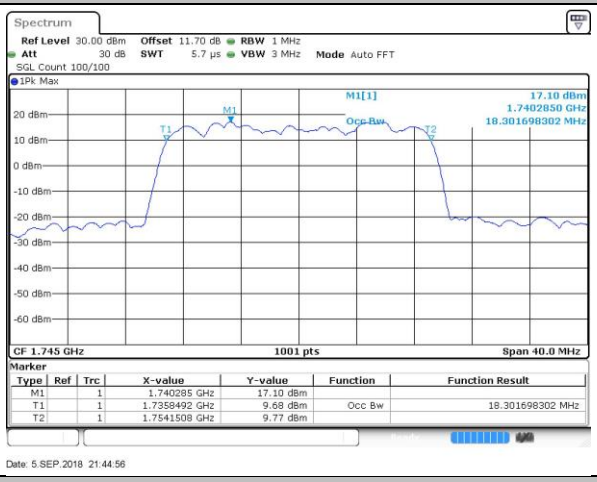

### Lowest Channel / 20MHz / 16QAM



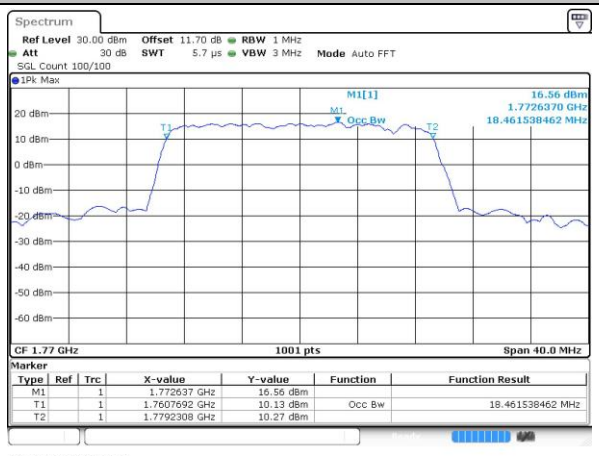

### Middle Channel / 20MHz / QPSK



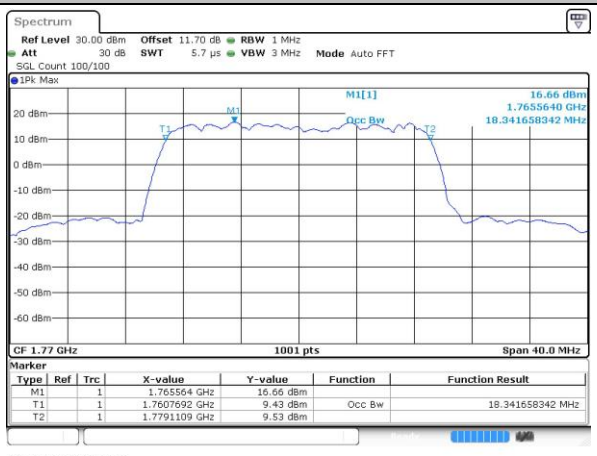

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

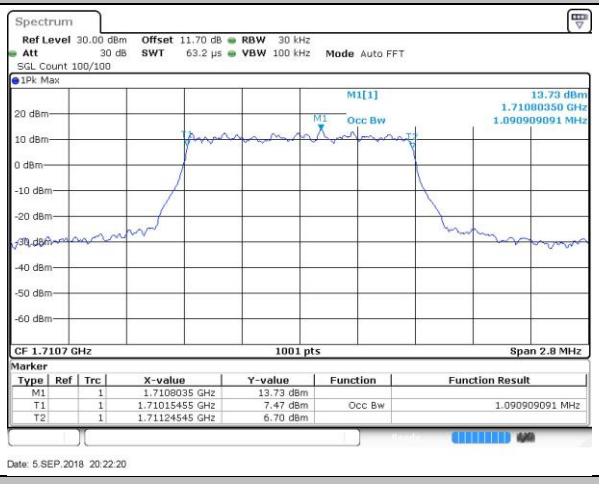



### Highest Channel / 20MHz / 16QAM

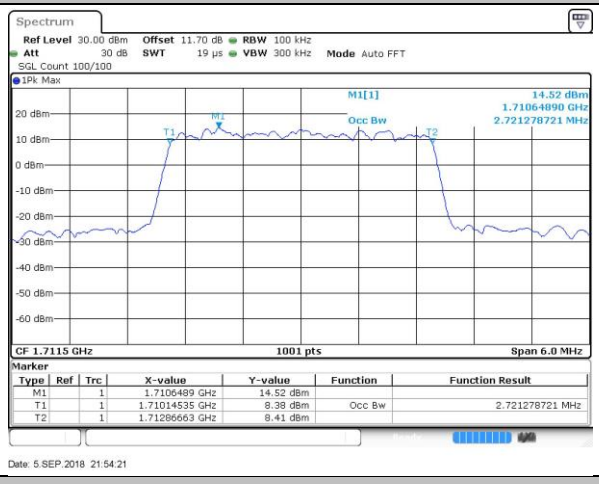


## LTE Band 66

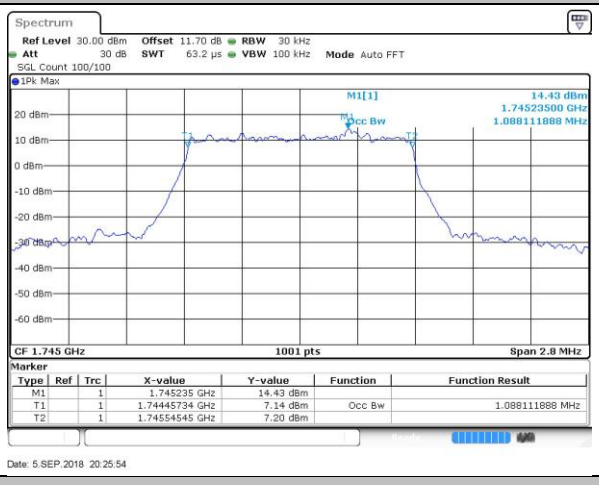
### Lowest Channel / 1.4MHz / 64QAM



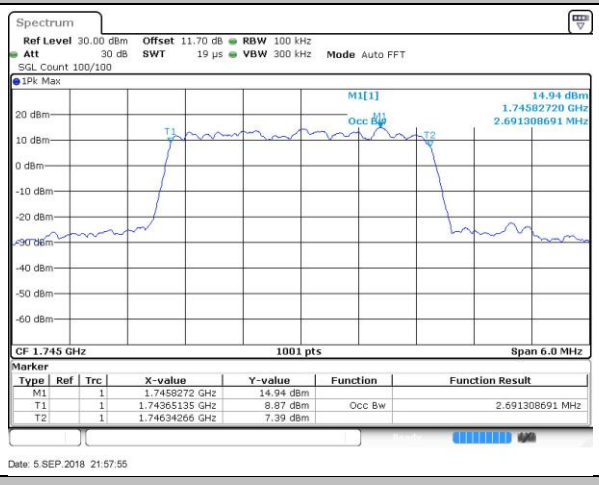

### Lowest Channel / 3MHz / 64QAM



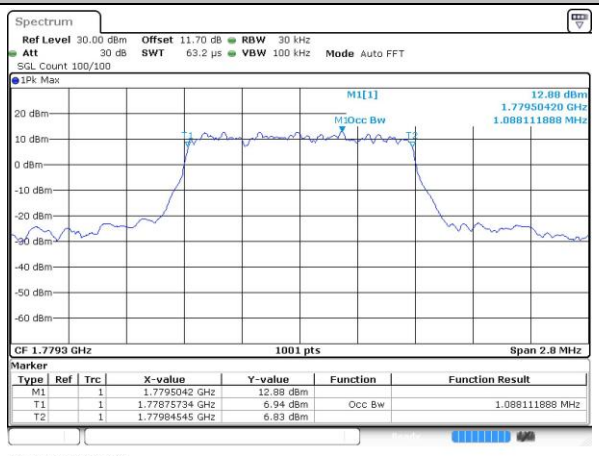

### Middle Channel / 20MHz / 64QAM



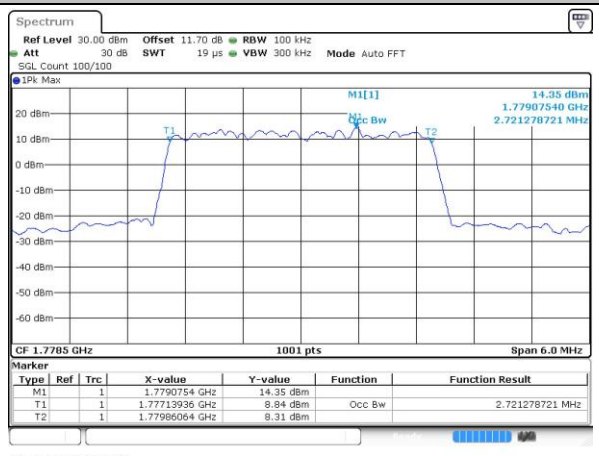

### Middle Channel / 3MHz / 64QAM




### Highest Channel / 20MHz / 64QAM

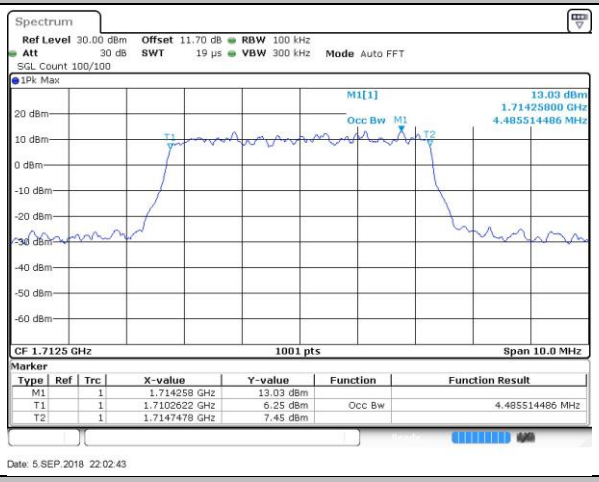



### Highest Channel / 3MHz / 64QAM

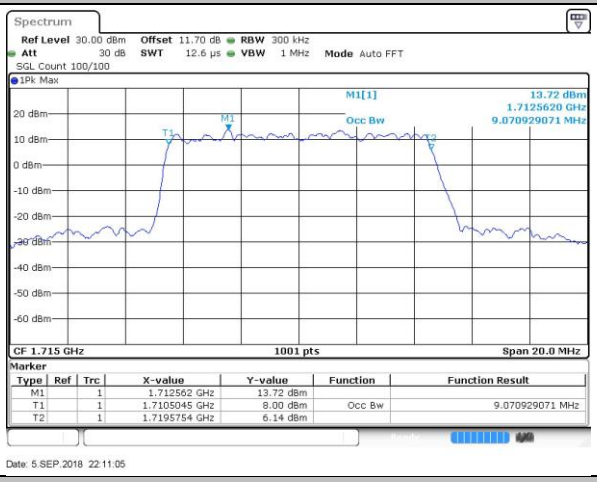


## LTE Band 66

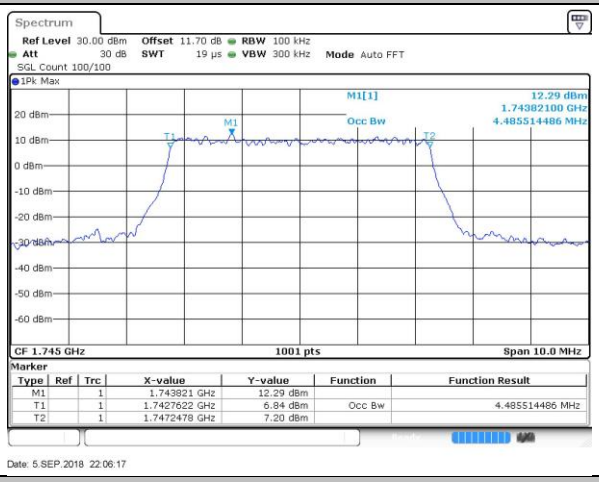
### Lowest Channel / 5MHz / 64QAM



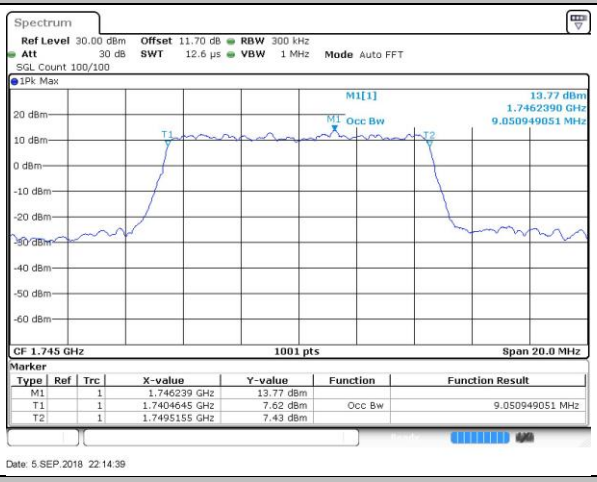

### Lowest Channel / 10MHz / 64QAM



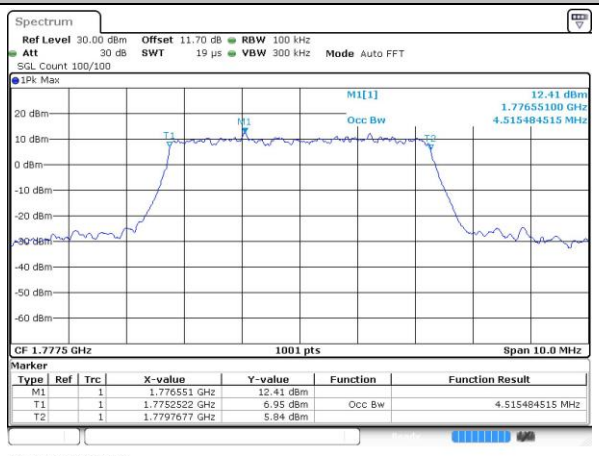

### Middle Channel / 5MHz / 64QAM



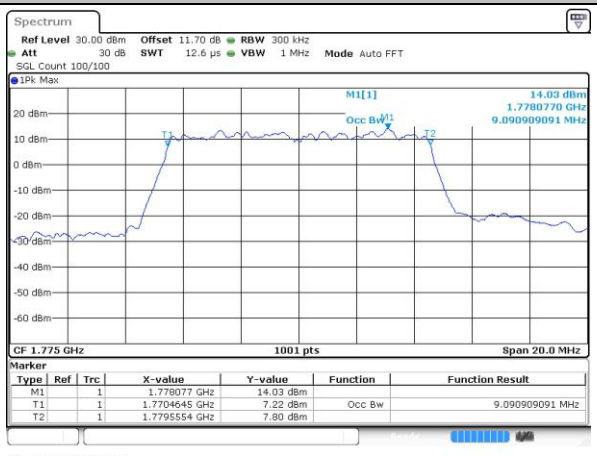

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

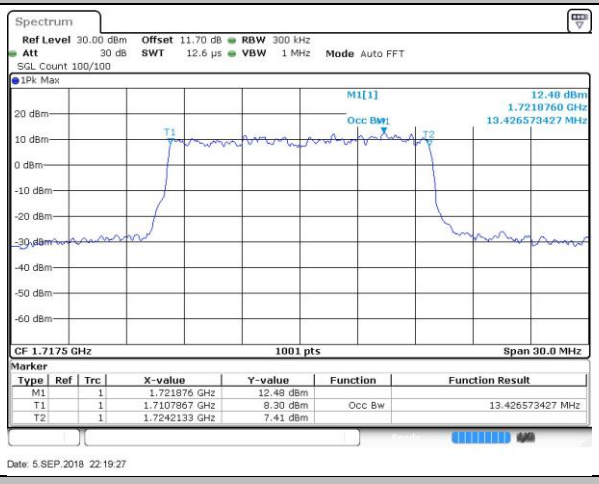



### Highest Channel / 10MHz / 64QAM

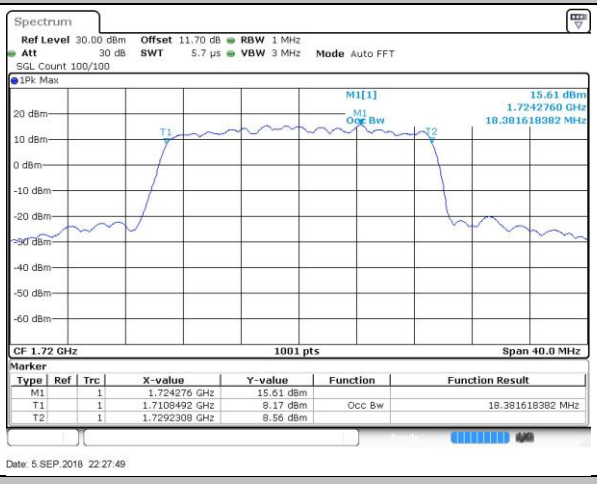


## LTE Band 66

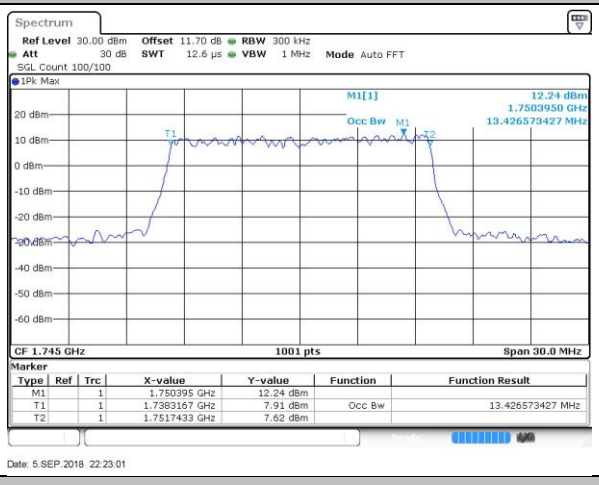
### Lowest Channel / 15MHz / 64QAM



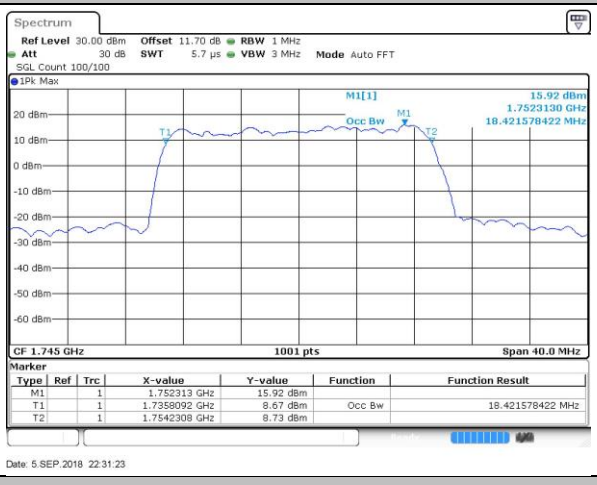

### Lowest Channel / 20MHz / 64QAM



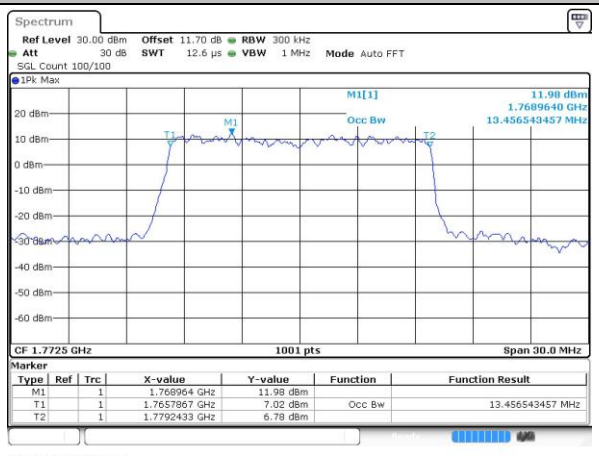

### Middle Channel / 15MHz / 64QAM



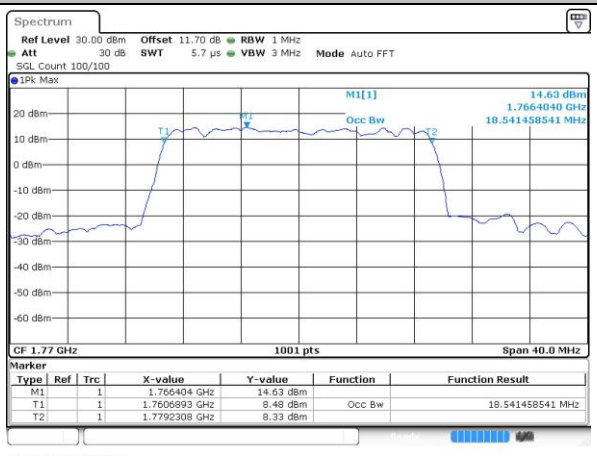

### Middle Channel / 20MHz / 64QAM




### Highest Channel / 15MHz / 64QAM



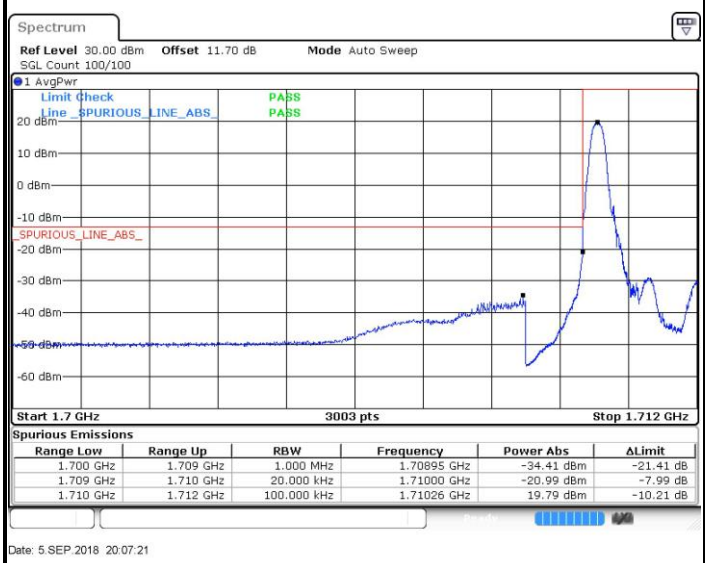

### Highest Channel / 20MHz / 64QAM



# Conducted Band Edge

## LTE Band 66 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB

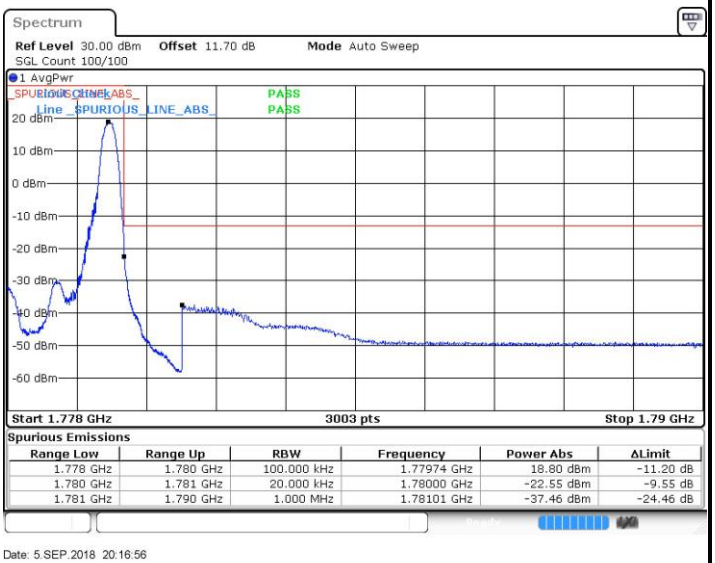



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70895 GHz | -34.41 dBm | -21.41 dB |
| 1.709 GHz | 1.710 GHz | 20.000 kHz | 1.71000 GHz | -20.99 dBm | -7.99 dB |
| 1.710 GHz | 1.712 GHz | 100.000 kHz | 1.71026 GHz | 19.79 dBm | -10.21 dB |

Date: 5.SEP.2018 20:07:21

### Highest Band Edge / 1RB

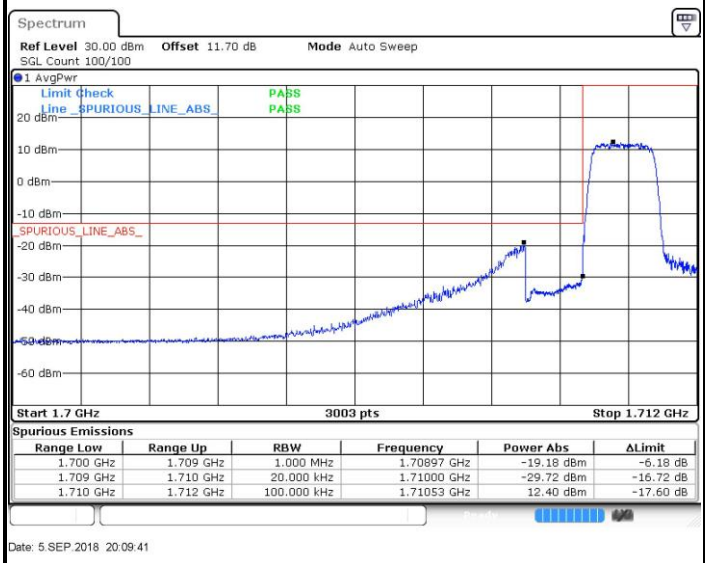



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.778 GHz | 1.780 GHz | 100.000 kHz | 1.77974 GHz | 18.80 dBm | -11.20 dB |
| 1.780 GHz | 1.781 GHz | 20.000 kHz | 1.78000 GHz | -22.55 dBm | -9.55 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78101 GHz | -37.46 dBm | -24.46 dB |

Date: 5.SEP.2018 20:16:56

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70897 GHz | -19.18 dBm | -6.18 dB |
| 1.709 GHz | 1.710 GHz | 20.000 kHz | 1.71000 GHz | -29.72 dBm | -16.72 dB |
| 1.710 GHz | 1.712 GHz | 100.000 kHz | 1.71053 GHz | 12.40 dBm | -17.60 dB |

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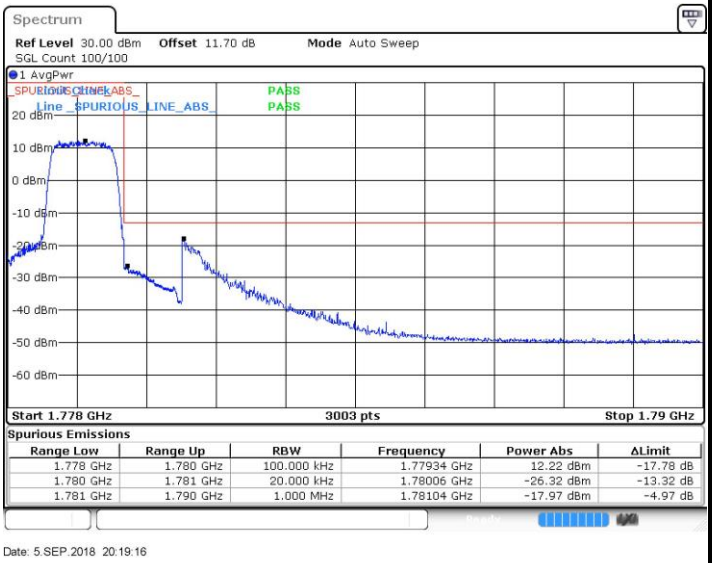
### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.778 GHz | 1.780 GHz | 100.000 kHz | 1.77934 GHz | 12.22 dBm | -17.78 dB |
| 1.780 GHz | 1.781 GHz | 20.000 kHz | 1.78006 GHz | -26.32 dBm | -13.32 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78104 GHz | -17.97 dBm | -4.97 dB |

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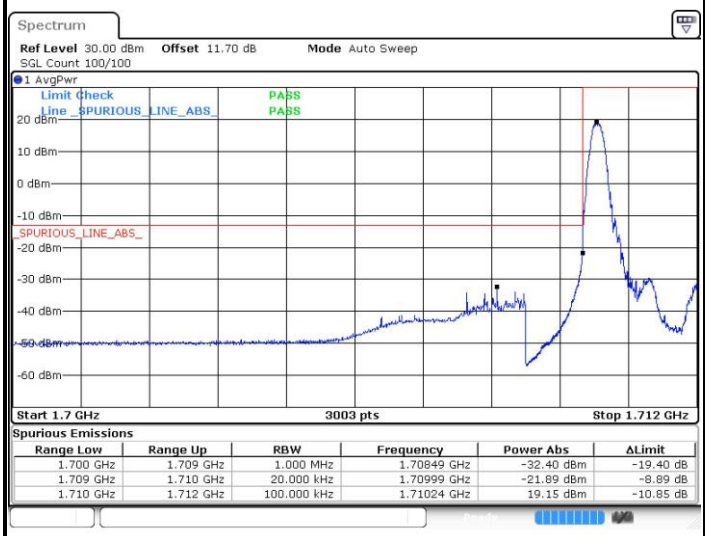
## LTE Band 66 / 1.4MHz / 16QAM

### Lowest Band Edge / 1 RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70849 GHz | -32.40 dBm | -19.40 dB |
| 1.709 GHz | 1.710 GHz | 20.000 kHz | 1.70999 GHz | -21.89 dBm | -8.89 dB |
| 1.710 GHz | 1.712 GHz | 100.000 kHz | 1.71024 GHz | 19.15 dBm | -10.85 dB |

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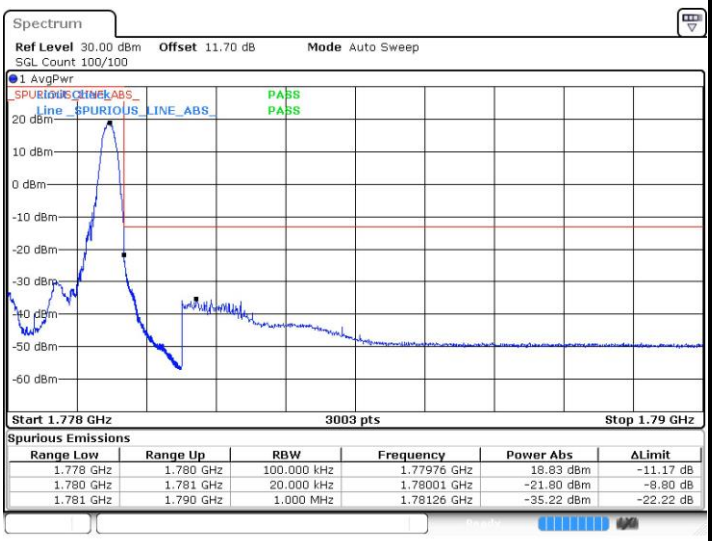
### Highest Band Edge / 1 RB

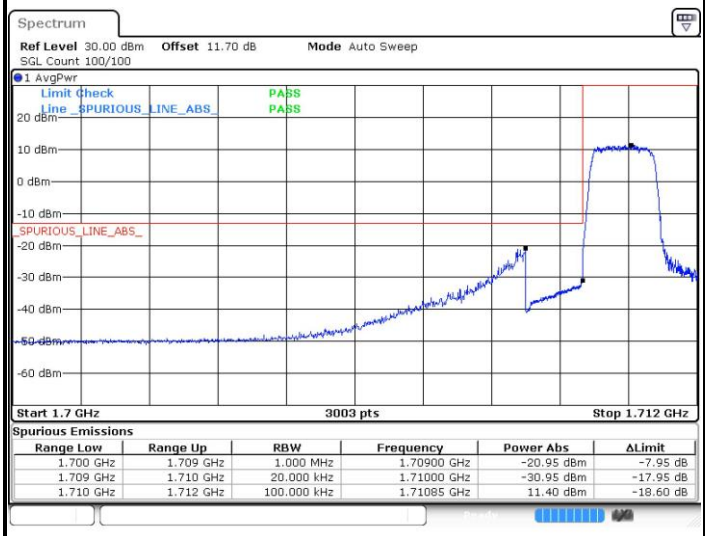



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.778 GHz | 1.780 GHz | 100.000 kHz | 1.77976 GHz | 18.83 dBm | -11.17 dB |
| 1.780 GHz | 1.781 GHz | 20.000 kHz | 1.78001 GHz | -21.80 dBm | -8.80 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78126 GHz | -35.22 dBm | -22.22 dB |

Date: 5.SEP.2018 20:18:06

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70900 GHz | -20.95 dBm | -7.95 dB |
| 1.709 GHz | 1.710 GHz | 20.000 kHz | 1.71000 GHz | -30.95 dBm | -17.95 dB |
| 1.710 GHz | 1.712 GHz | 100.000 kHz | 1.71085 GHz | 11.40 dBm | -18.60 dB |

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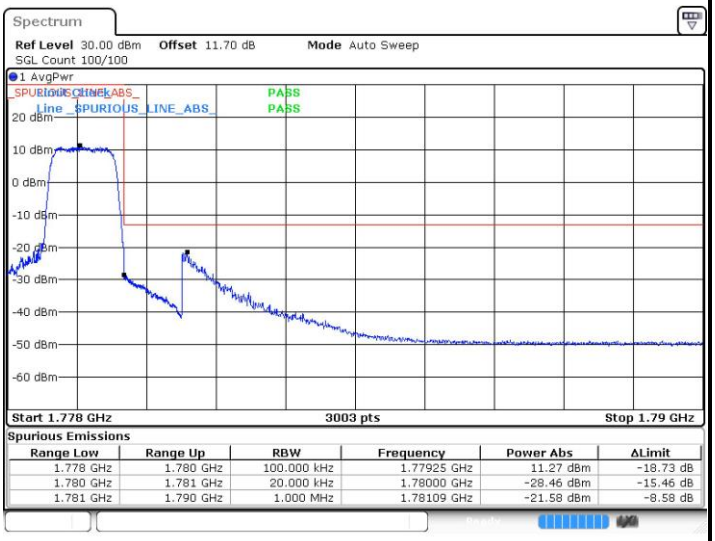
### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.778 GHz | 1.780 GHz | 100.000 kHz | 1.77925 GHz | 11.27 dBm | -18.73 dB |
| 1.780 GHz | 1.781 GHz | 20.000 kHz | 1.78000 GHz | -28.46 dBm | -15.46 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78109 GHz | -21.58 dBm | -8.58 dB |

Date: 5.SEP.2018 20:20:26