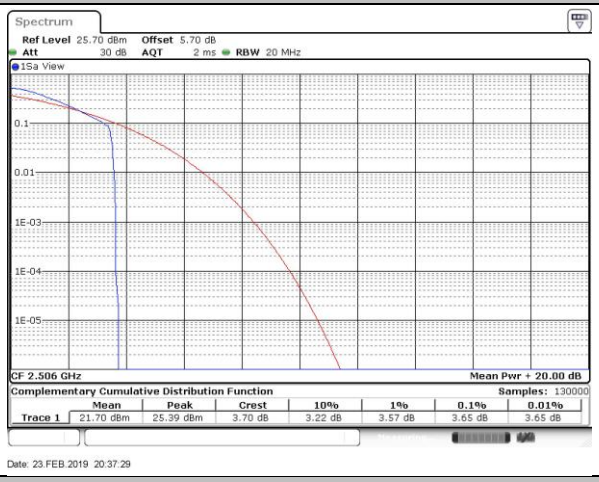
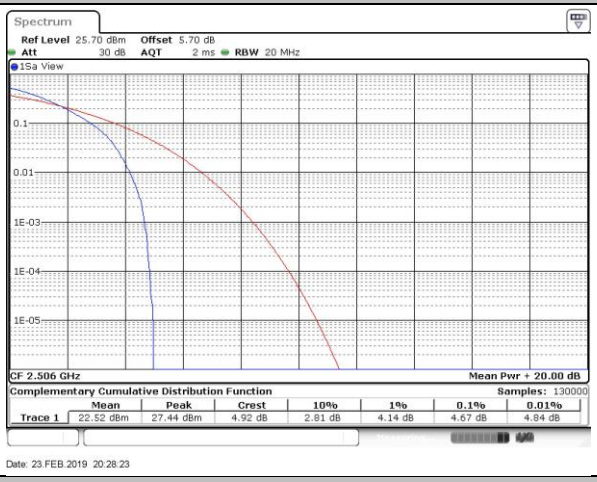
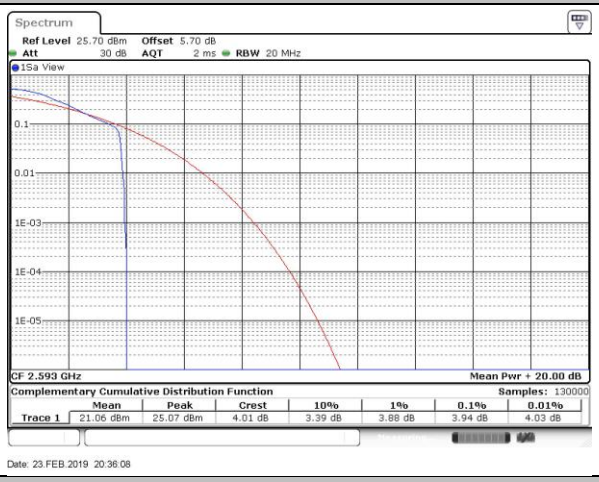
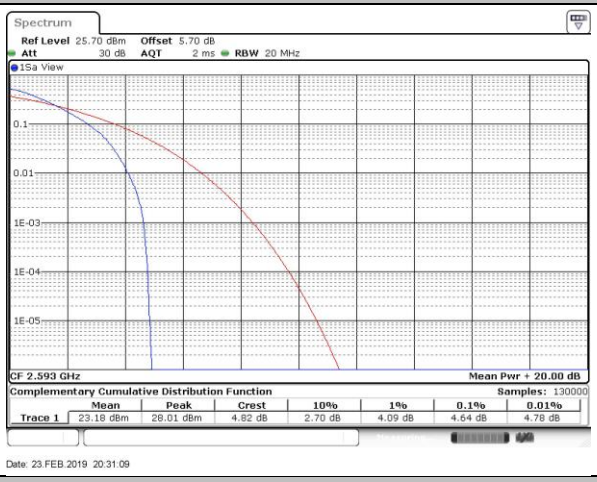
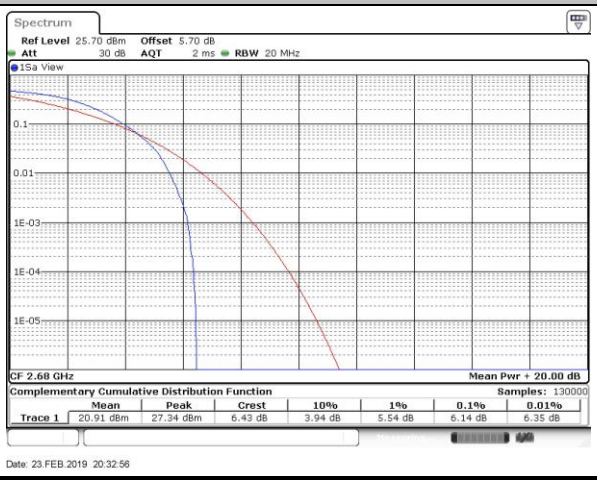
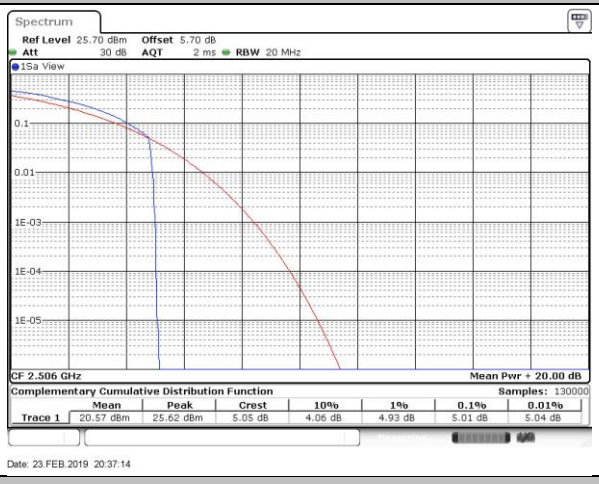
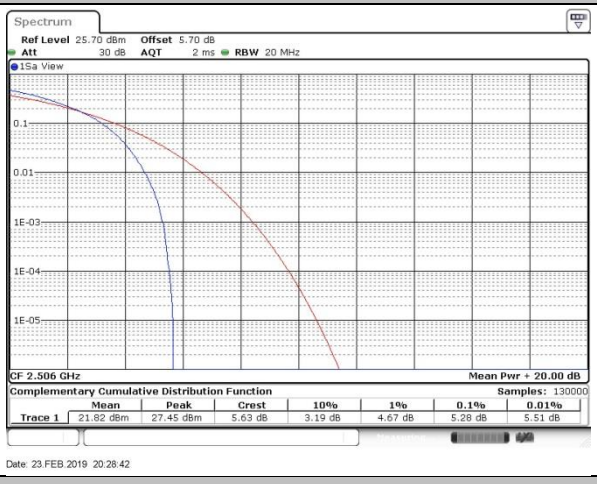
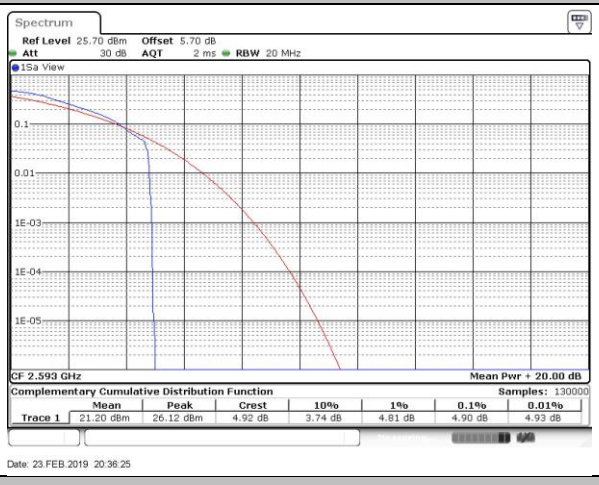
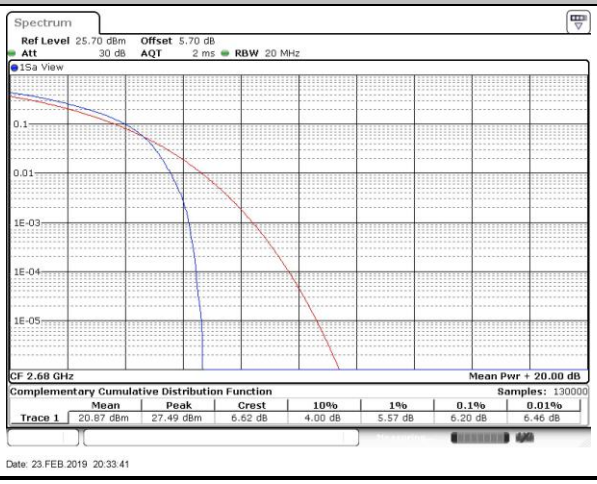
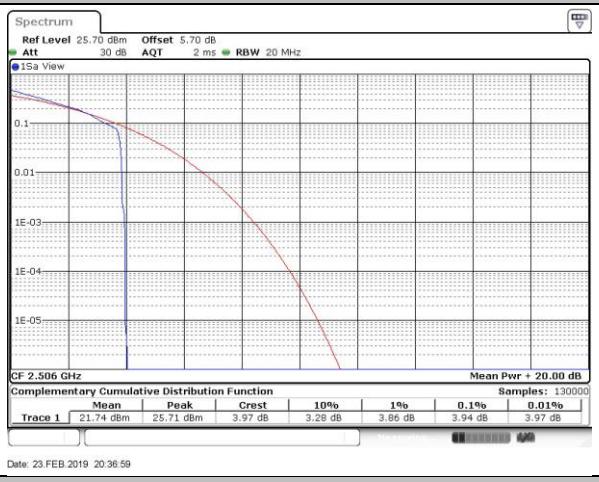
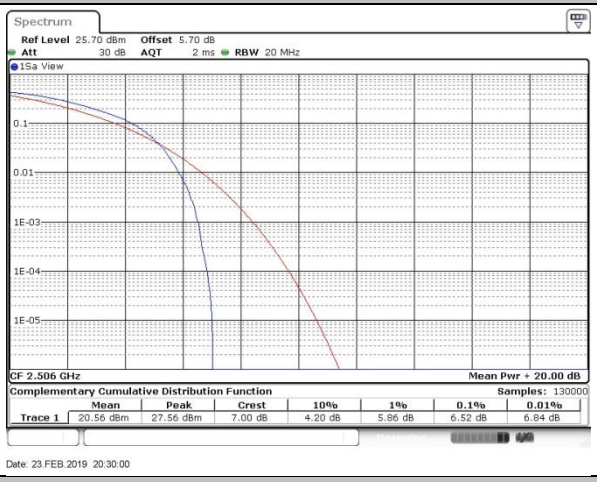
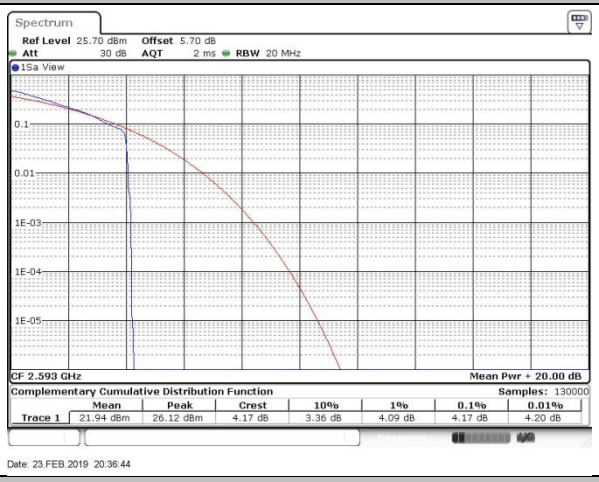
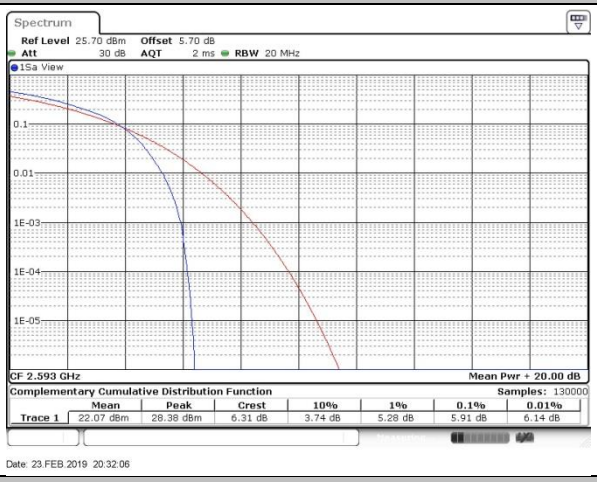
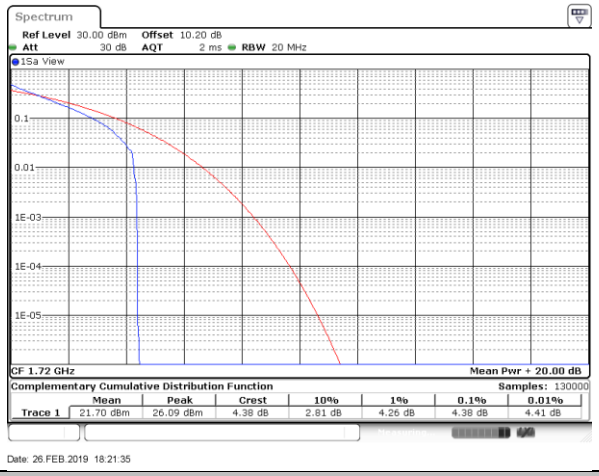
| LTE Band 41 / 20MHz / QPSK | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
| |  |

| LTE Band 41 / 20MHz / 16QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  | |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
| |  |

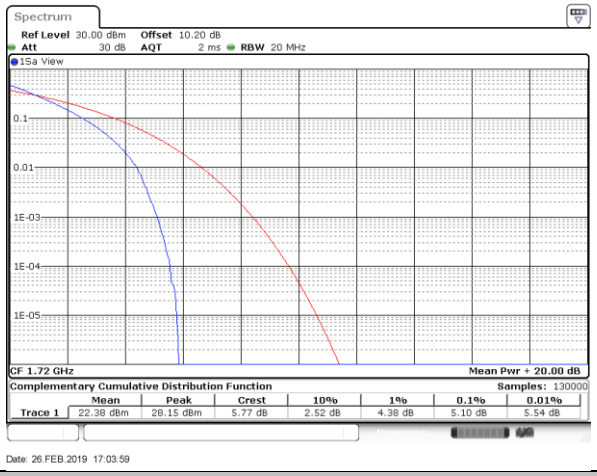
| LTE Band 41 / 20MHz / 64QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
| | |

## LTE Band 66 / 20MHz / QPSK

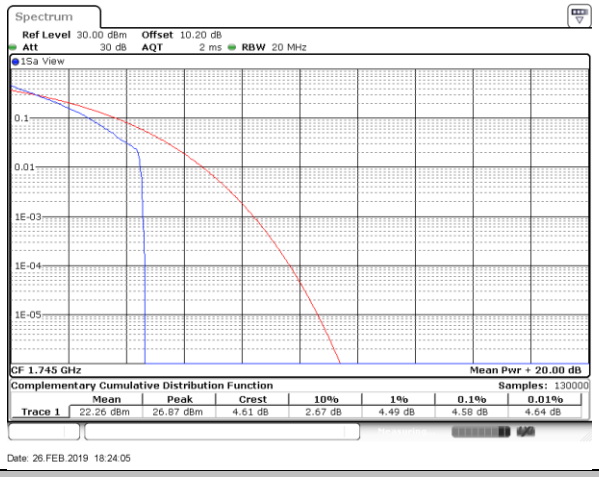
### Lowest Channel / 1RB



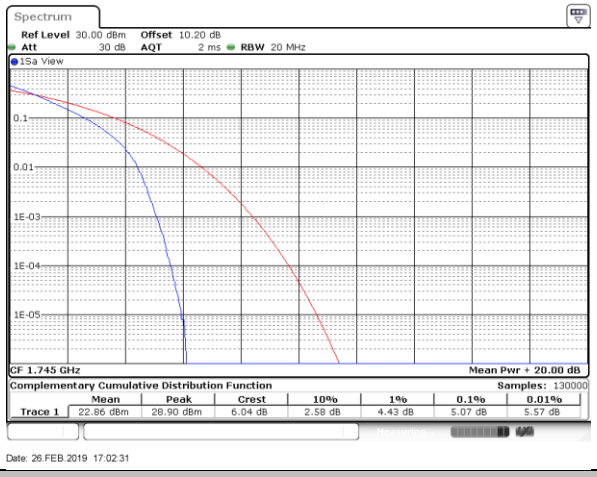

### Lowest Channel / Full RB



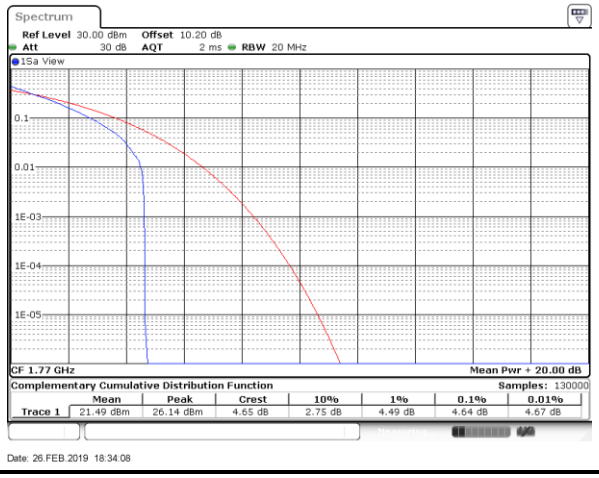

### Middle Channel / 1RB



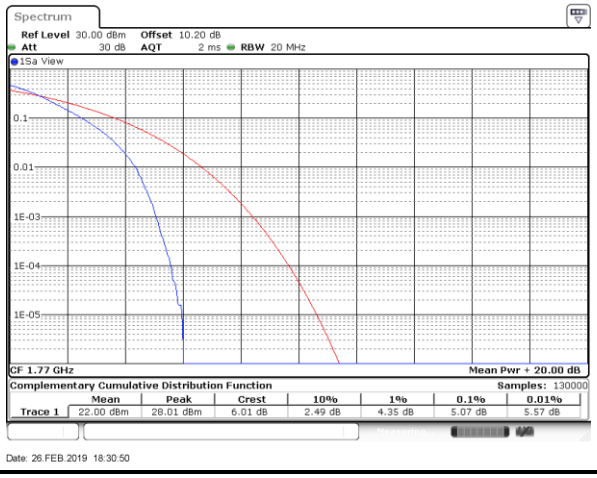

### Middle Channel / Full RB

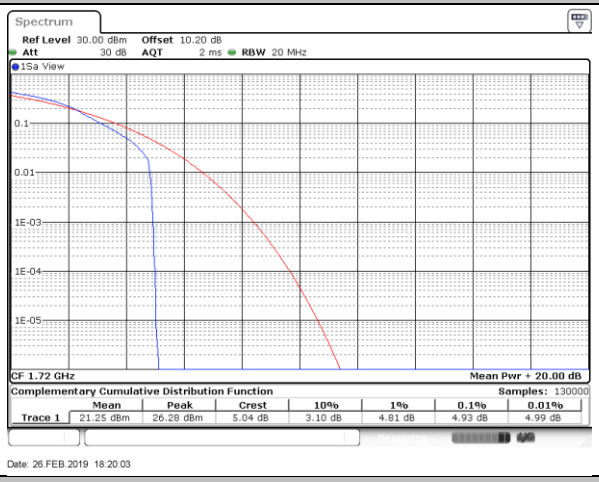
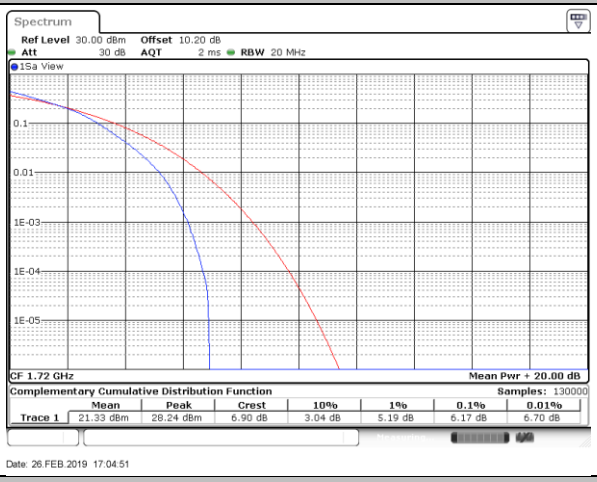
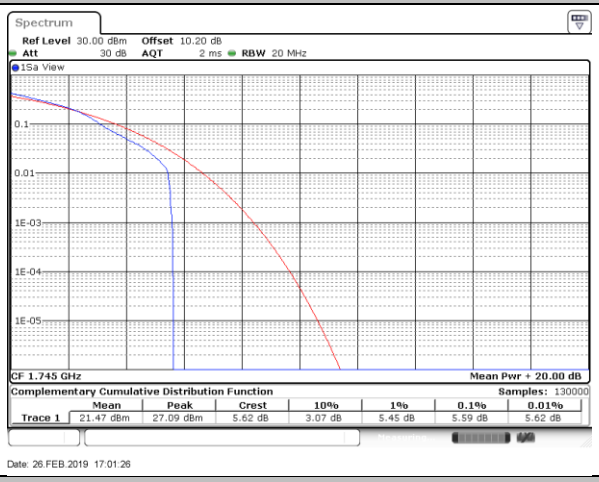
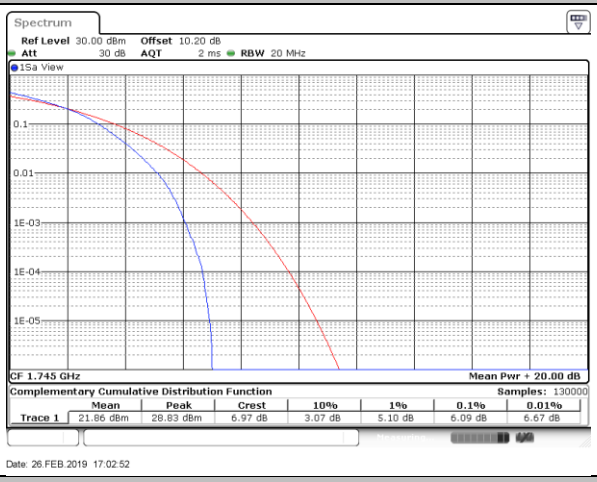
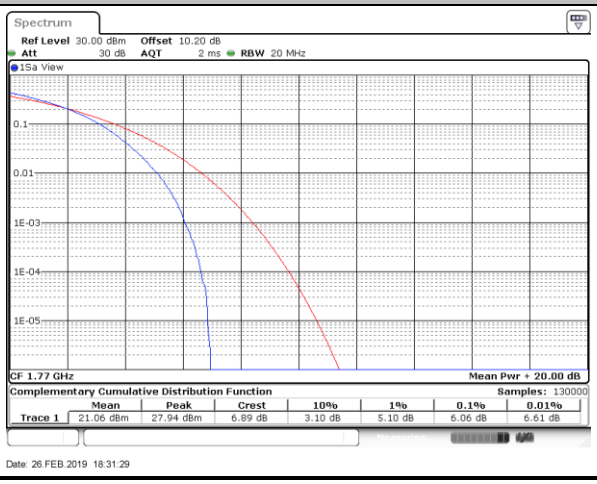


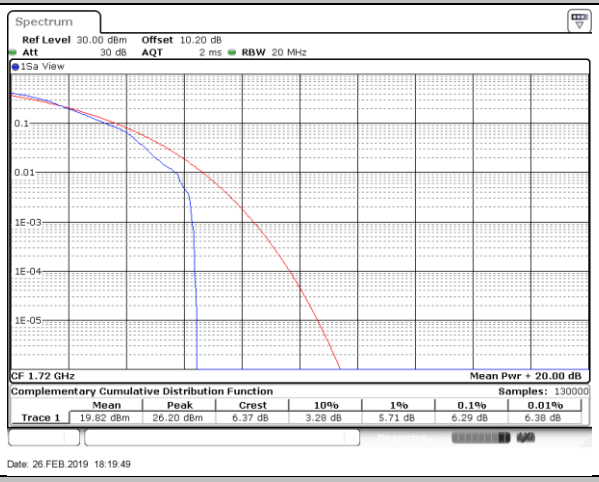
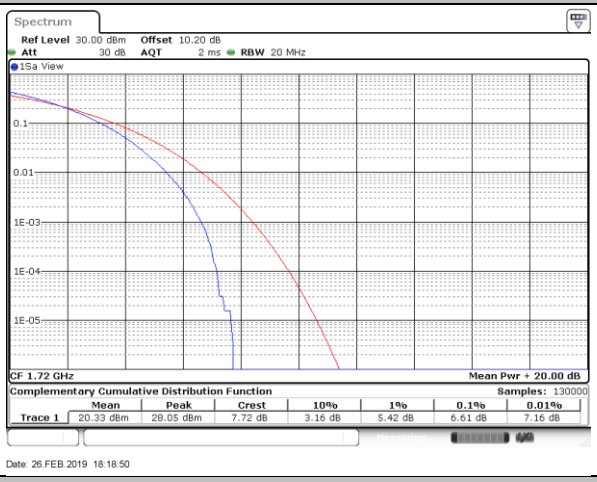
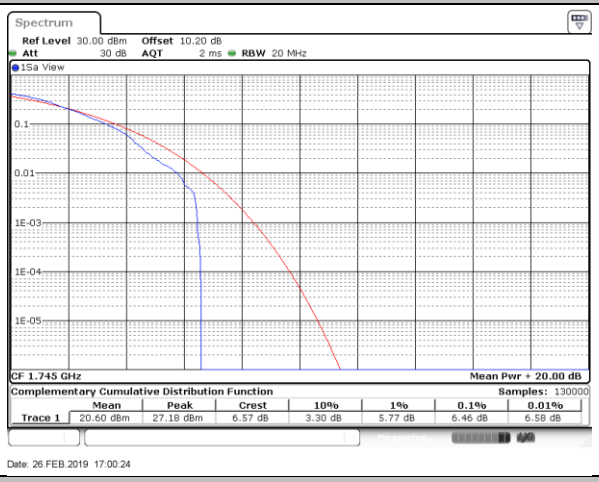
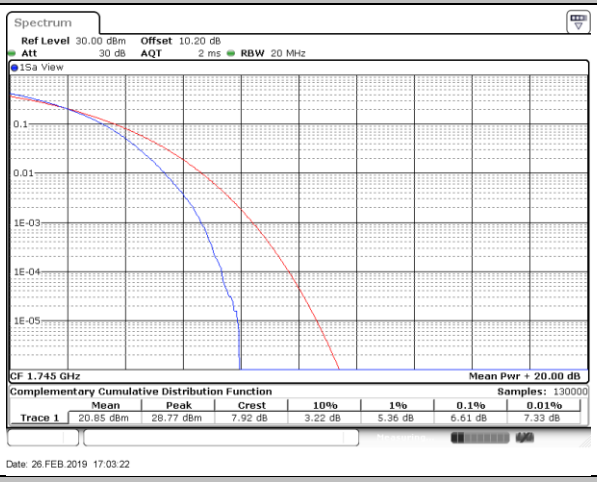
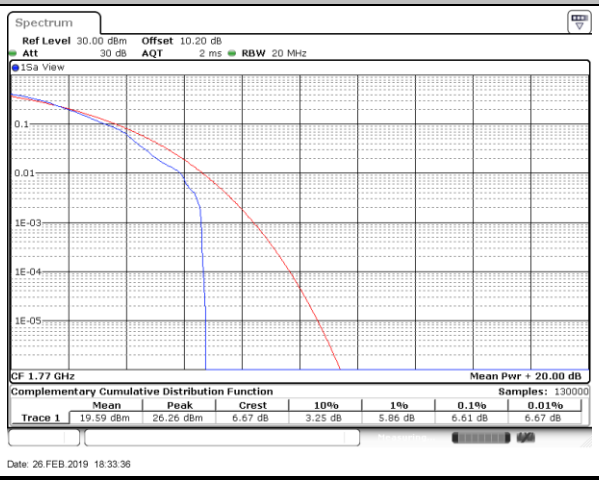
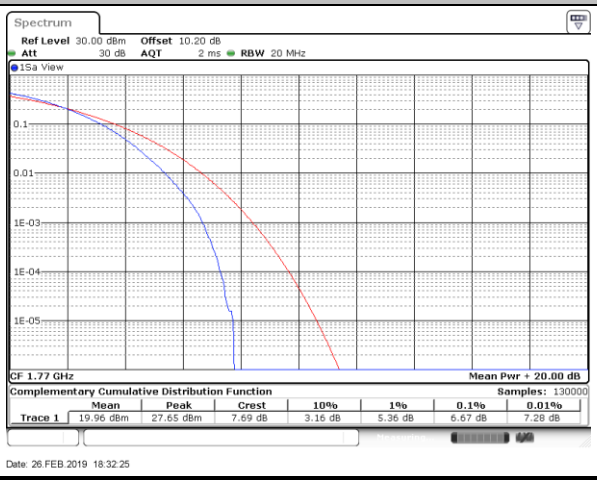

### Highest Channel / 1RB

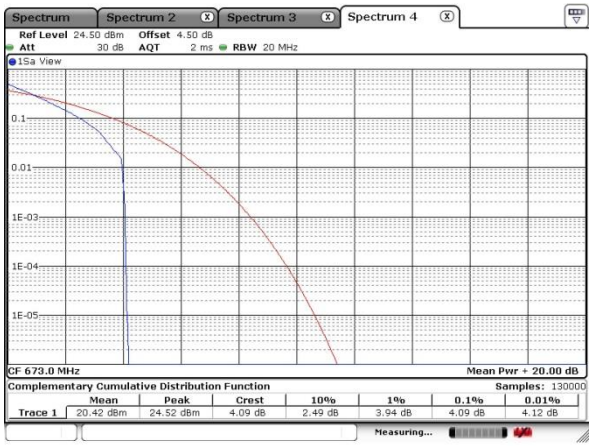
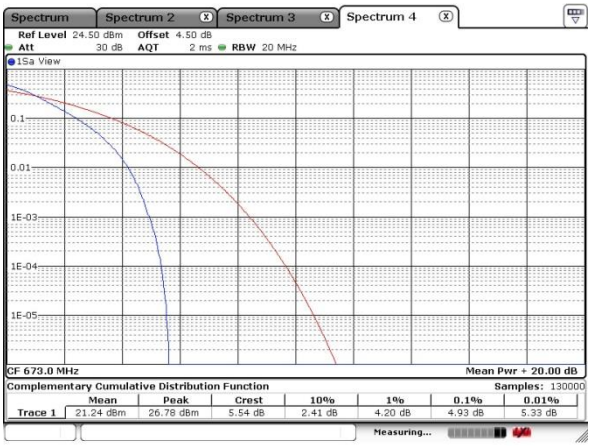
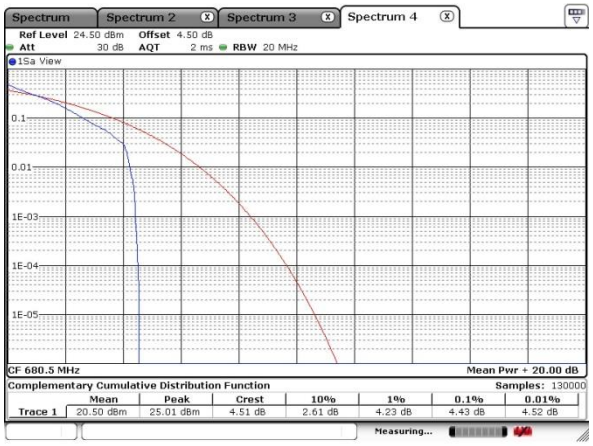
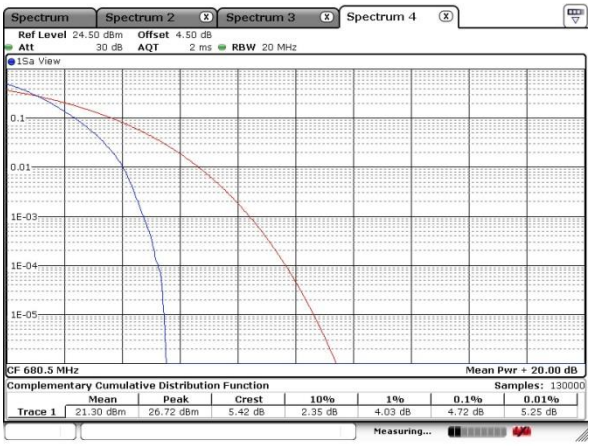
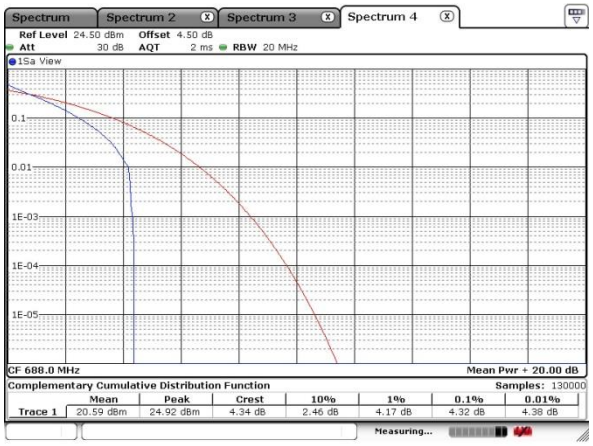
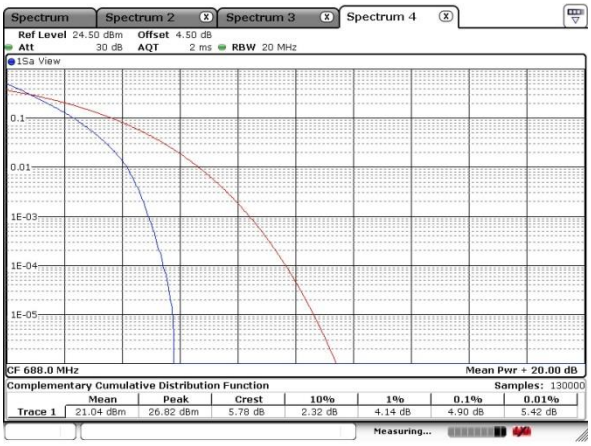


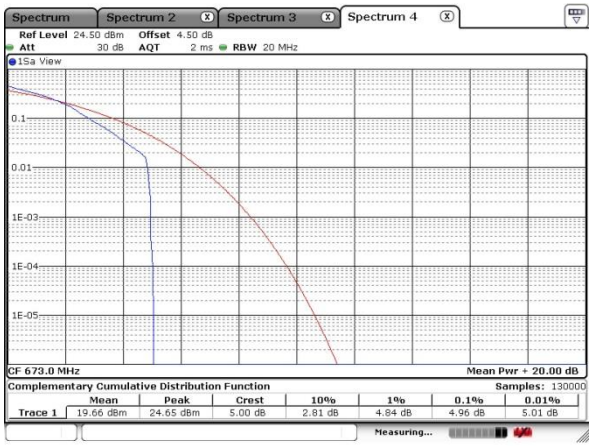
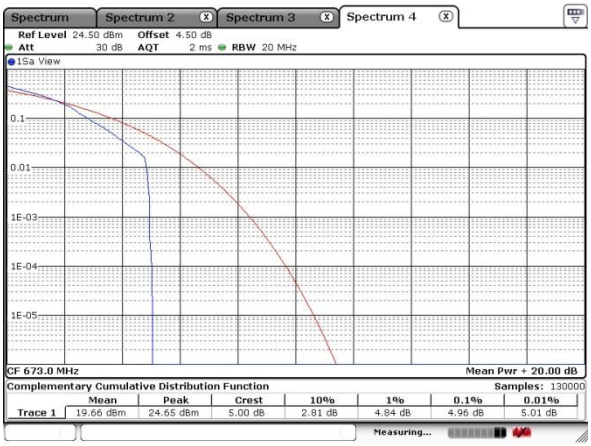
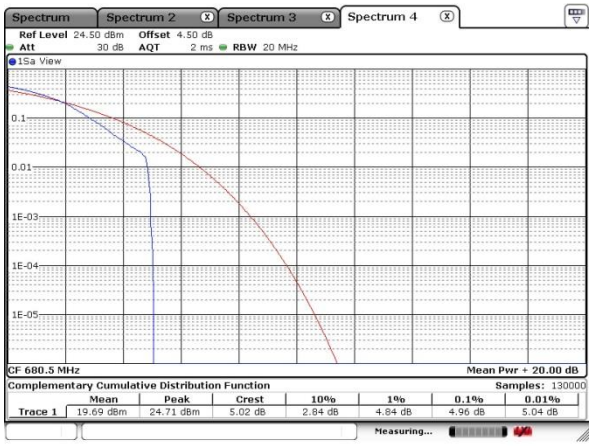
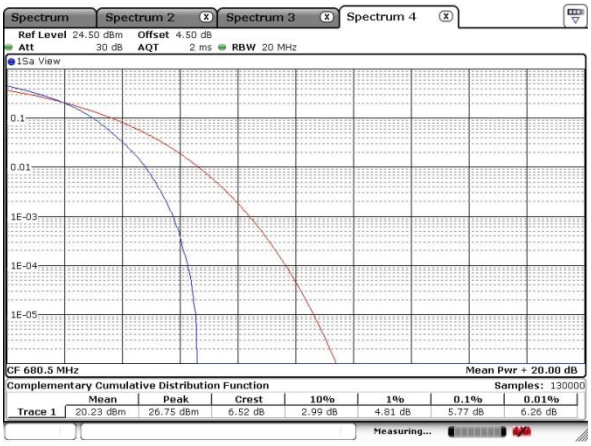
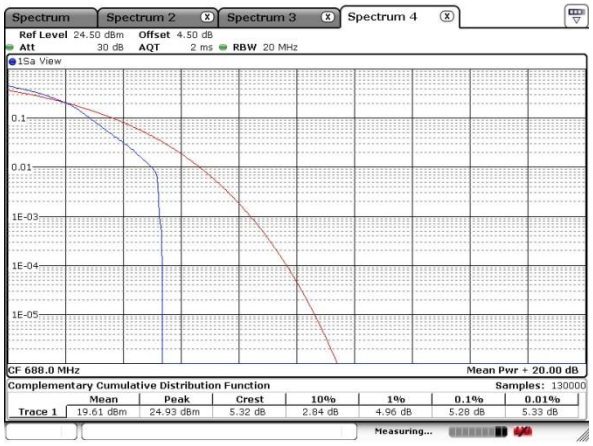
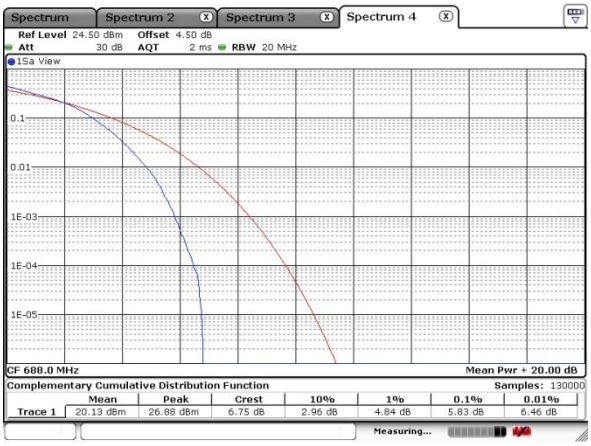

### Highest Channel / Full RB

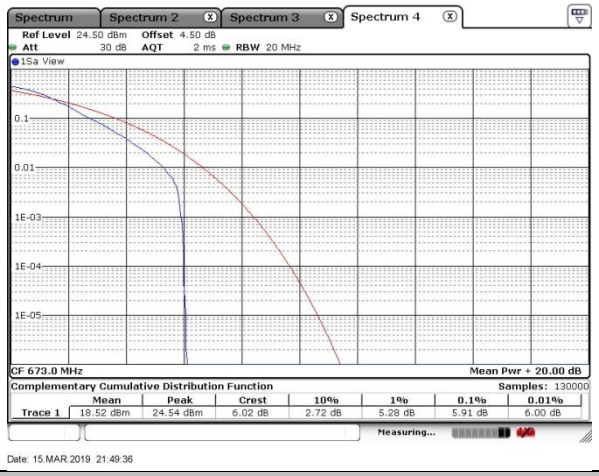
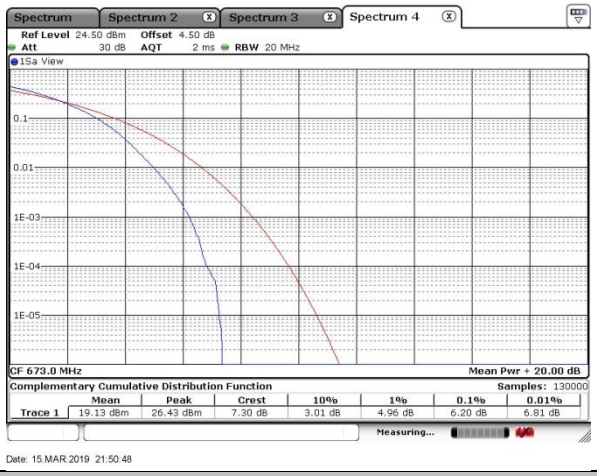
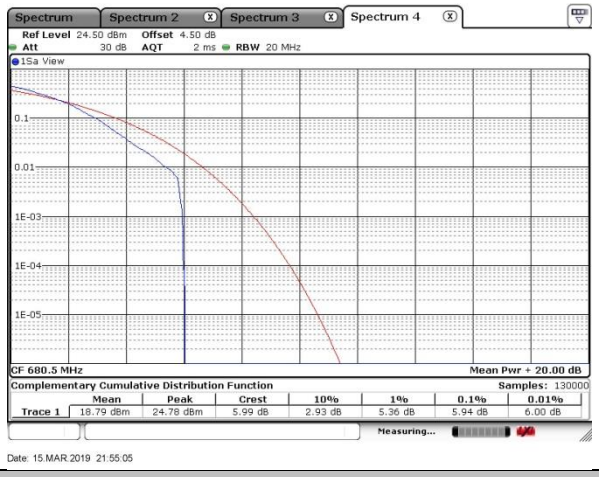
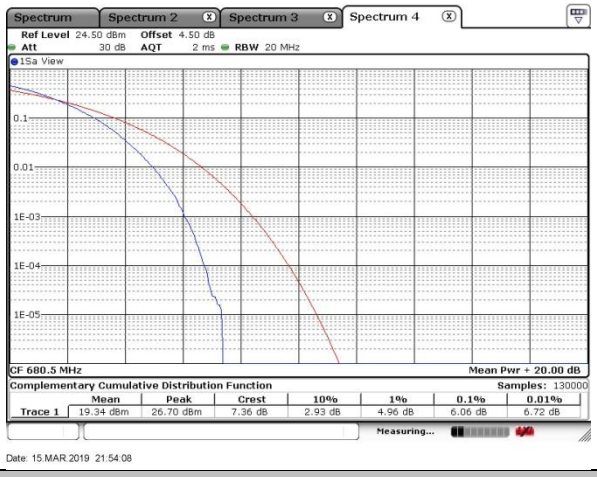
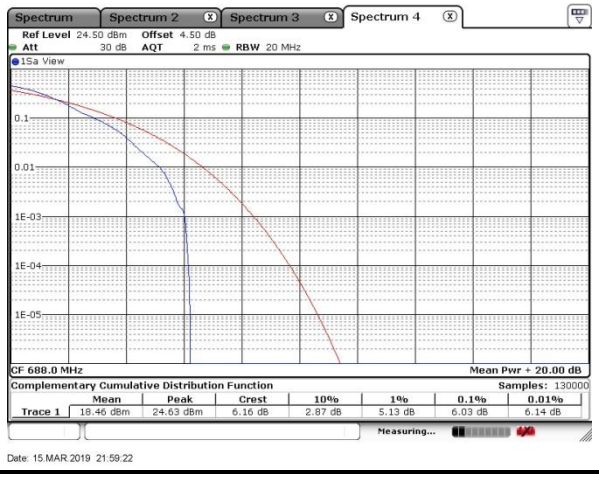
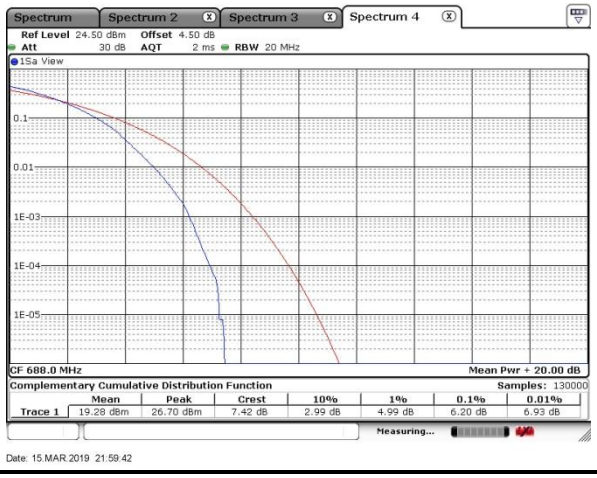


| LTE Band 66 / 20MHz / 16QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
| |  |

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

| LTE Band 71 / 20MHz / QPSK | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

| LTE Band 71 / 20MHz / 16QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

| LTE Band 71 / 20MHz / 64QAM | |
|---|---|
| **Lowest Channel / 1RB** | **Lowest Channel / Full RB** |
|  |  |
| **Middle Channel / 1RB** | **Middle Channel / Full RB** |
|  |  |
| **Highest Channel / 1RB** | **Highest Channel / Full RB** |
|  |  |

# 26dB Bandwidth

| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | | | | | 4.835 | 4.865 | 9.85 | 9.85 | 14.296 | 14.146 | 20.14 | 20.10 |
| Middle CH | | | | | 4.955 | 4.945 | 9.83 | 9.87 | 14.326 | 14.296 | 20.02 | 20.10 |
| Highest CH | | | | | 4.945 | 4.845 | 9.89 | 9.81 | 14.476 | 14.356 | 20.22 | 20.18 |
| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | | | | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | | | | |
| Lowest CH | 4.815 | | 9.73 | | 14.176 | | 20.22 | | | | | |
| Middle CH | 4.865 | | 9.83 | | 14.356 | | 19.98 | | | | | |
| Highest CH | 4.945 | | 9.81 | | 14.296 | | 20.10 | | | | | |

| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.236 | 1.228 | 3.021 | 3.021 | 4.875 | 4.825 | 9.730 | 9.770 | | | | |
| Middle CH | 1.245 | 1.222 | 2.997 | 3.015 | 4.955 | 4.905 | 9.770 | 9.890 | | | | |
| Highest CH | 1.239 | 1.228 | 3.027 | 3.009 | 4.975 | 4.865 | 9.690 | 9.890 | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.225 | | 3.039 | | 4.875 | | 9.830 | | | | | |
| Middle CH | 1.222 | | 3.015 | | 4.855 | | 9.910 | | | | | |
| Highest CH | 1.217 | | 3.015 | | 4.855 | | 9.850 | | | | | |

| Mode | LTE Band 13 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 5MHz | 10MHz | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | | | | | | |
| Lowest CH | 4.905 | 4.865 | | | 4.785 | | | | | | | |
| Middle CH | 4.895 | 4.885 | 9.83 | 9.83 | 4.885 | 9.71 | | | | | | |
| Highest CH | 4.845 | 4.835 | | | 4.955 | | | | | | | |

| Mode | LTE Band 25 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.231 | 1.217 | 3.003 | 3.033 | 4.885 | 4.825 | 9.830 | 9.710 | 14.326 | 14.595 | 20.100 | 20.300 |
| Middle CH | 1.236 | 1.234 | 3.003 | 3.003 | 4.885 | 4.875 | 9.890 | 9.750 | 14.356 | 14.416 | 20.220 | 20.260 |
| Highest CH | 1.228 | 1.231 | 3.027 | 2.985 | 4.915 | 4.885 | 9.810 | 9.650 | 14.326 | 14.386 | 20.180 | 20.260 |
| Mode | LTE Band 25 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.217 | | 2.949 | | 4.875 | | 9.730 | | 14.446 | | 20.180 | |
| Middle CH | 1.231 | | 3.015 | | 4.885 | | 9.850 | | 14.505 | | 20.300 | |
| Highest CH | 1.211 | | 2.985 | | 4.865 | | 9.770 | | 14.386 | | 20.180 | |

| Mode | LTE Band 26 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.220 | 1.228 | 3.021 | 2.973 | 4.865 | 4.915 | 9.830 | 9.750 | 14.386 | 14.535 | | |
| Middle CH | 1.228 | 1.228 | 2.991 | 2.991 | 4.835 | 4.845 | 9.710 | 9.810 | 14.416 | 14.296 | | |
| Highest CH | 1.231 | 1.231 | 3.039 | 3.039 | 4.915 | 4.915 | 9.670 | 9.670 | 14.356 | 14.505 | | |
| Mode | LTE Band 26 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.220 | | 3.015 | | 4.985 | | 9.790 | | 14.476 | | | |
| Middle CH | 1.236 | | 3.075 | | 4.835 | | 9.930 | | 14.386 | | | |
| Highest CH | 1.217 | | 3.021 | | 4.965 | | 9.830 | | 14.296 | | | |

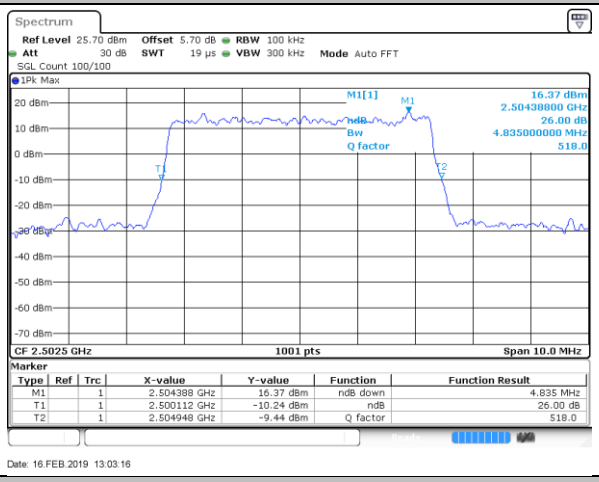
| Mode | LTE Band 41 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | 5MHz | 10MHz | 15MHz | 20MHz |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 4.845 | 4.915 | 9.75 | 9.67 | 14.146 | 14.326 | 20.14 | 19.94 | 4.855 | 9.71 | 14.236 | 20.18 |
| Middle CH | 4.945 | 4.915 | 9.63 | 9.71 | 14.476 | 14.146 | 20.22 | 20.18 | 4.895 | 9.71 | 14.386 | 20.26 |
| Highest CH | 4.905 | 4.765 | 9.67 | 9.71 | 14.146 | 14.266 | 20.1 | 20.1 | 5.075 | 9.65 | 14.326 | 20.1 |

| Mode | LTE Band 66 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.228 | 1.228 | 3.015 | 3.045 | 4.935 | 4.875 | 9.79 | 9.65 | 14.505 | 14.326 | 20.18 | 20.3 |
| Middle CH | 1.239 | 1.222 | 3.045 | 3.009 | 4.925 | 4.955 | 9.67 | 9.81 | 14.476 | 14.326 | 20.14 | 20.1 |
| Highest CH | 1.225 | 1.222 | 3.027 | 3.045 | 4.985 | 4.935 | 9.73 | 9.83 | 14.446 | 14.386 | 20.02 | 20.1 |
| Mode | LTE Band 66 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.208 | | 3.045 | | 4.855 | | 9.79 | | 14.595 | | 20.1 | |
| Middle CH | 1.236 | | 3.039 | | 4.915 | | 9.71 | | 14.356 | | 20.14 | |
| Highest CH | 1.219 | | 3.045 | | 4.835 | | 9.73 | | 14.356 | | 20.18 | |

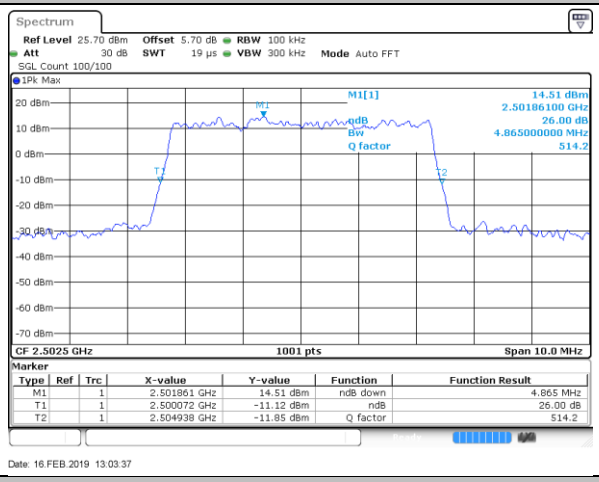
| Mode | LTE Band 71 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | 5MHz | 10MHz | 15MHz | 20MHz |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 4.92 | 4.906 | 9.696 | 9.928 | 14.24 | 14.631 | 20.145 | 20.145 | 4.906 | 9.841 | 14.457 | 20.203 |
| Middle CH | 4.877 | 4.891 | 9.696 | 9.667 | 14.457 | 14.24 | 20.145 | 20.145 | 4.978 | 9.812 | 14.414 | 20.087 |
| Highest CH | 4.935 | 4.906 | 9.783 | 9.783 | 14.414 | 14.457 | 20.26 | 20.203 | 4.92 | 9.725 | 14.284 | 20.376 |

## LTE Band 7

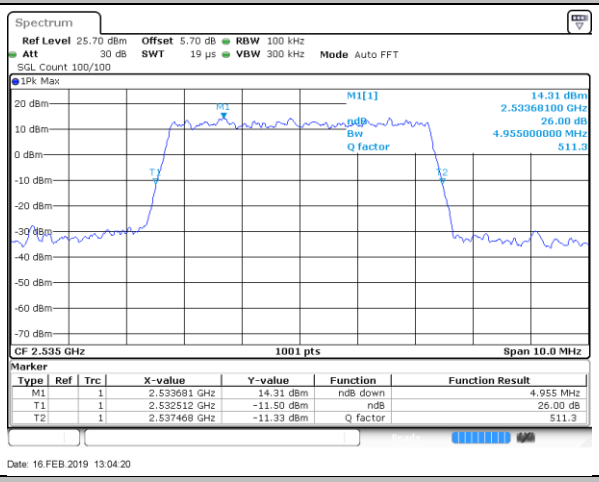
### Lowest Channel / 5MHz / QPSK



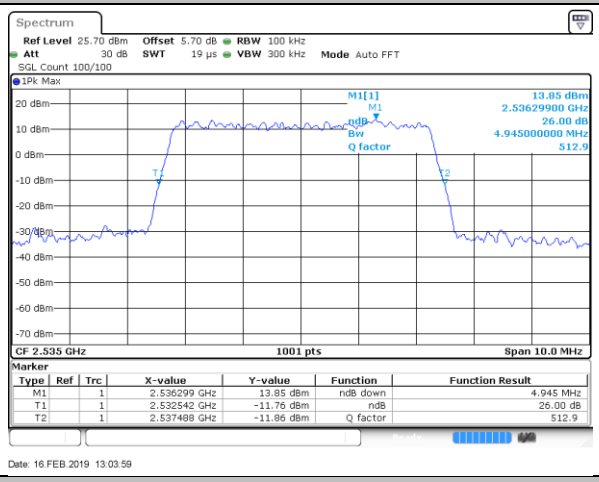

### Lowest Channel / 5MHz / 16QAM



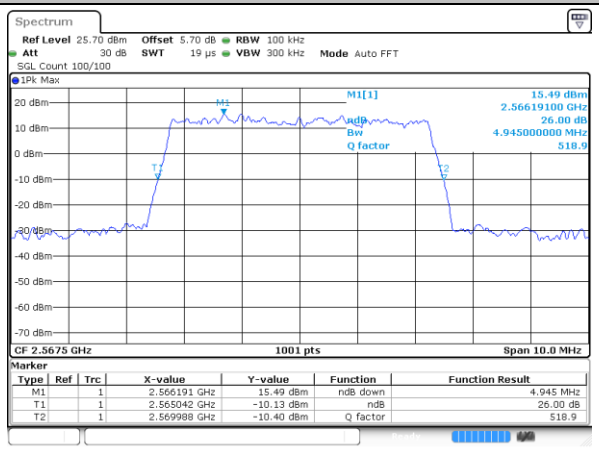

### Middle Channel / 5MHz / QPSK



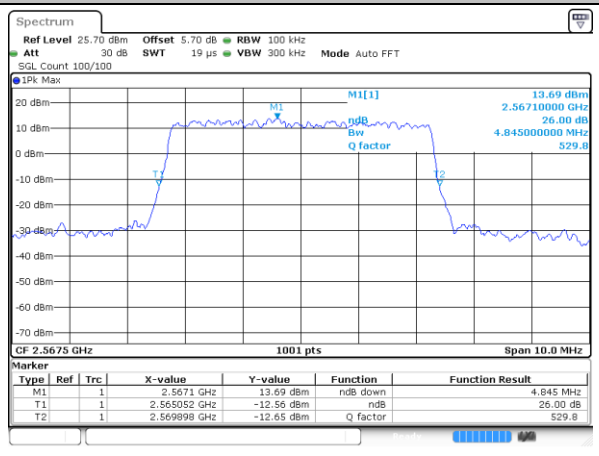

### Middle Channel / 5MHz / 16QAM




### Highest Channel / 5MHz / QPSK

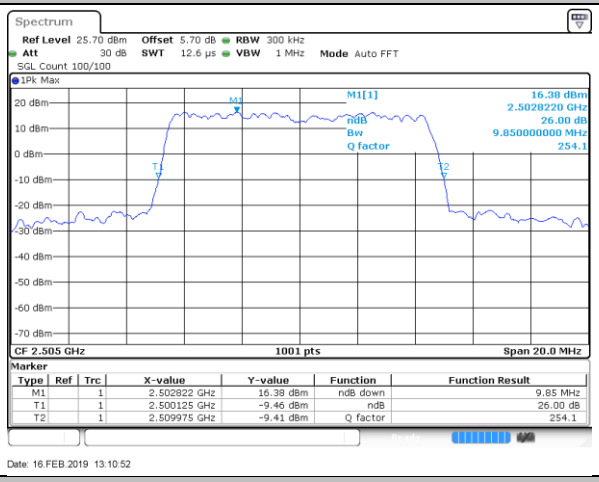



### Highest Channel / 5MHz / 16QAM

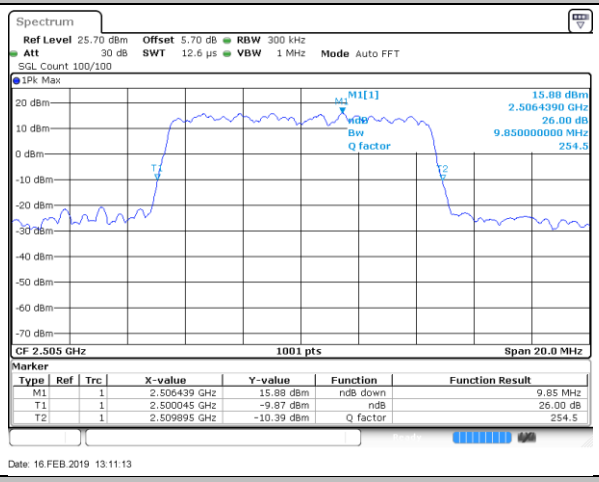


## LTE Band 7

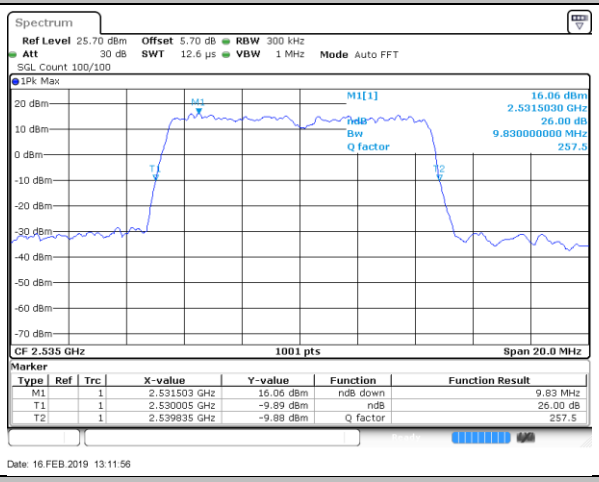
### Lowest Channel / 10MHz / QPSK



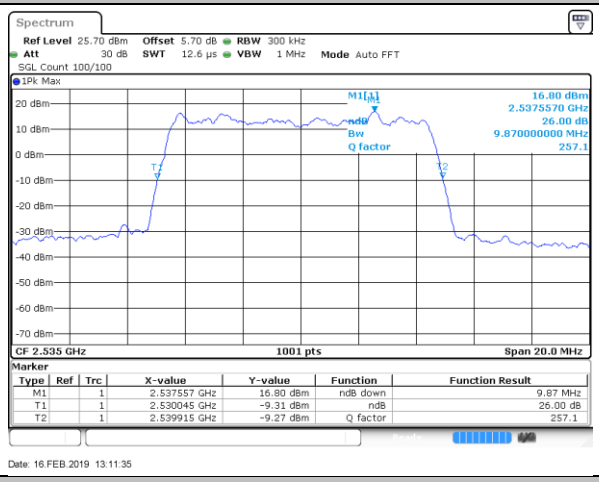

### Lowest Channel / 10MHz / 16QAM



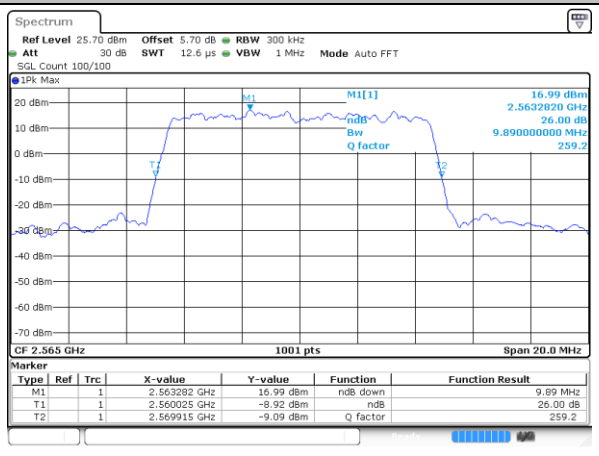

### Middle Channel / 10MHz / QPSK



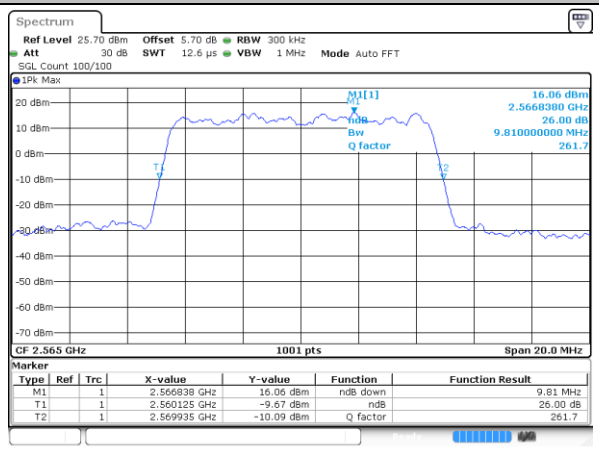

### Middle Channel / 10MHz / 16QAM




### Highest Channel / 10MHz / QPSK

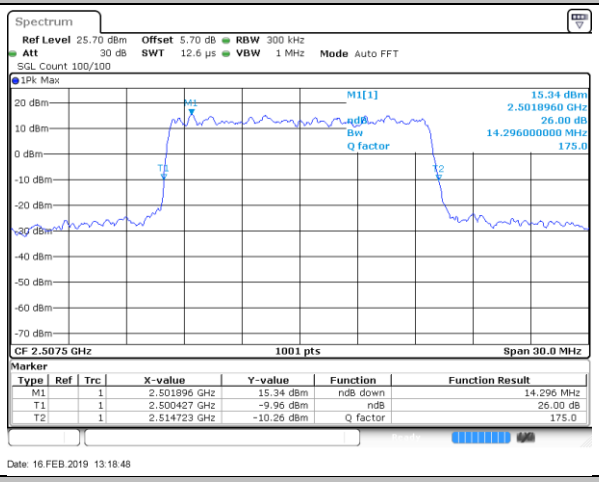



### Highest Channel / 10MHz / 16QAM

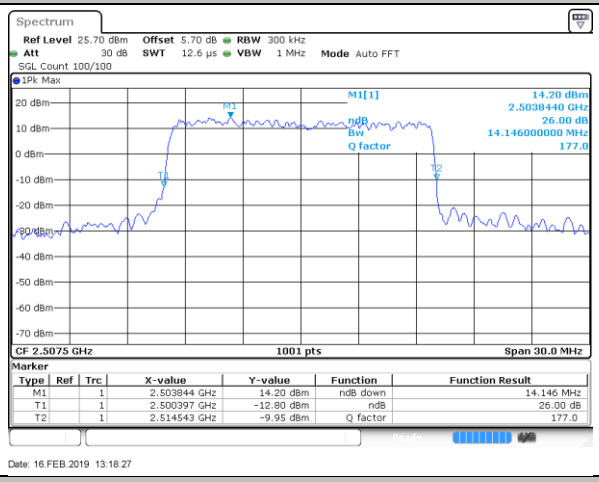


## LTE Band 7

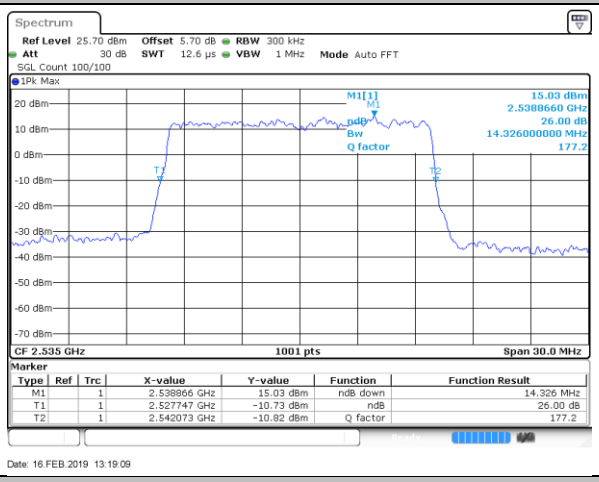
### Lowest Channel / 15MHz / QPSK



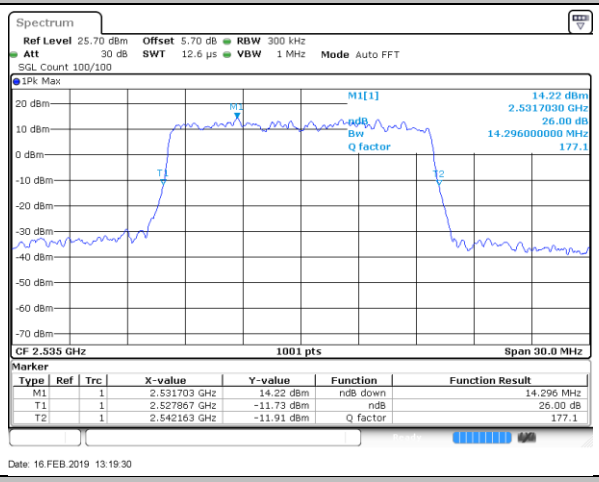

### Lowest Channel / 15MHz / 16QAM



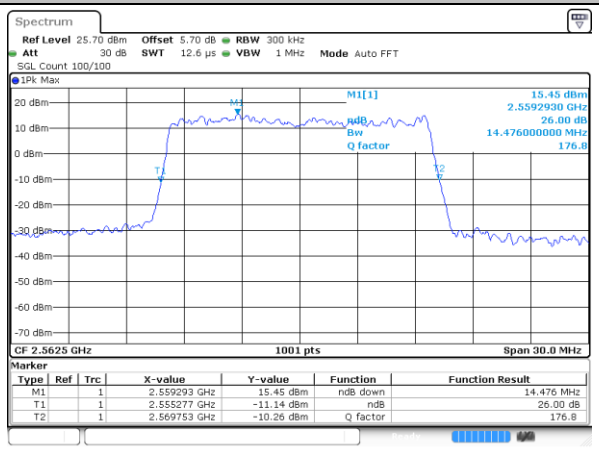

### Middle Channel / 15MHz / QPSK



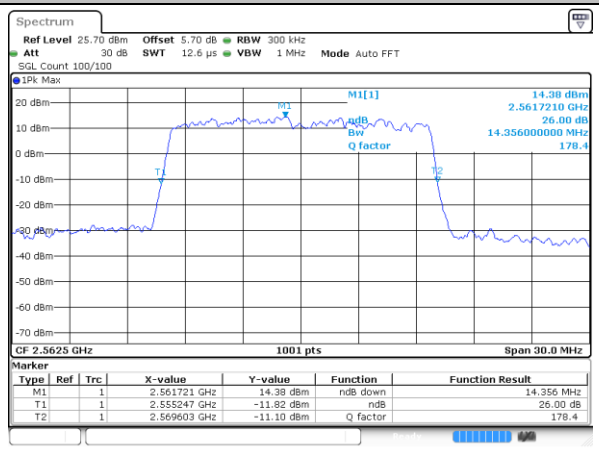

### Middle Channel / 15MHz / 16QAM




### Highest Channel / 15MHz / QPSK

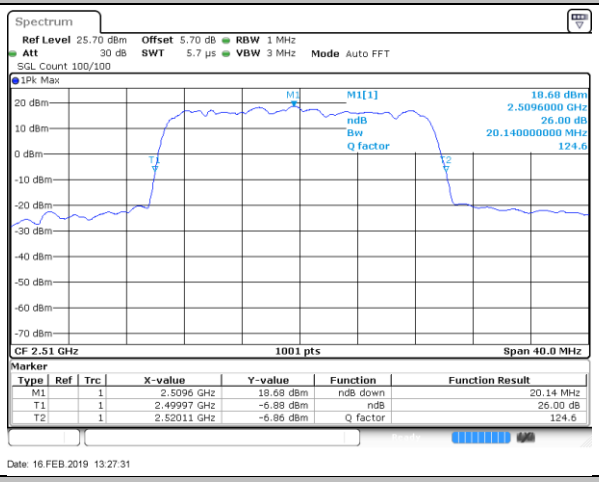



### Highest Channel / 15MHz / 16QAM

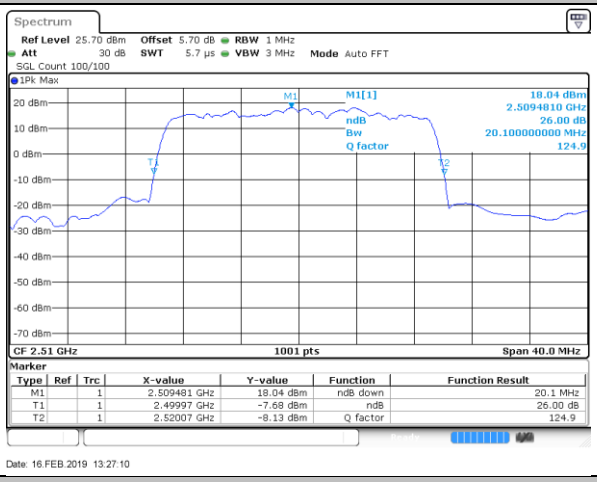


## LTE Band 7

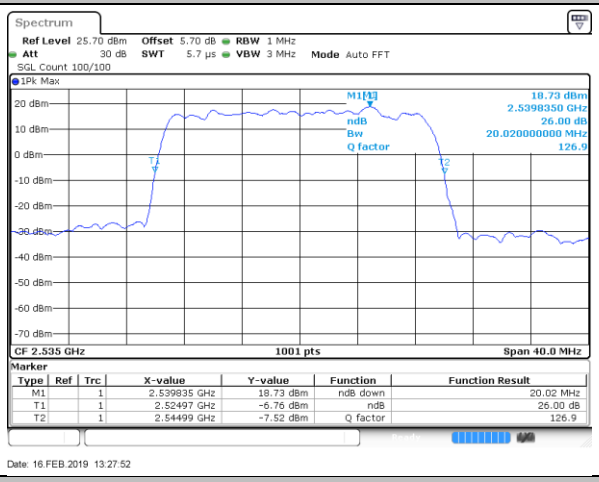
### Lowest Channel / 20MHz / QPSK



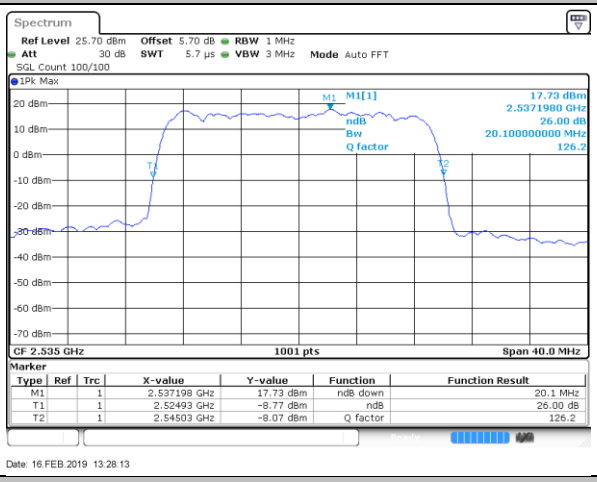

### Lowest Channel / 20MHz / 16QAM



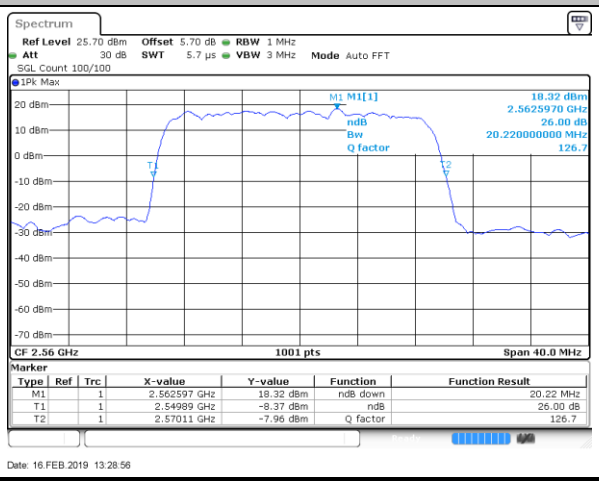

### Middle Channel / 20MHz / QPSK



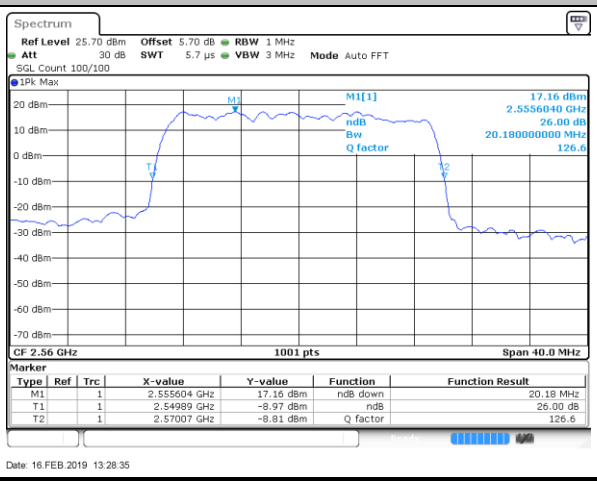

### Middle Channel / 20MHz / 16QAM




### Highest Channel / 20MHz / QPSK

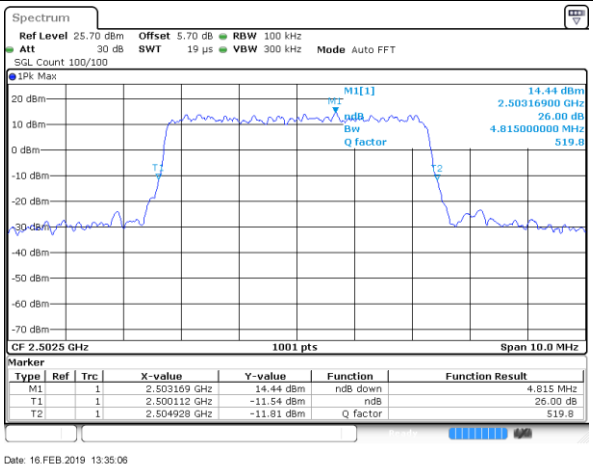



### Highest Channel / 20MHz / 16QAM

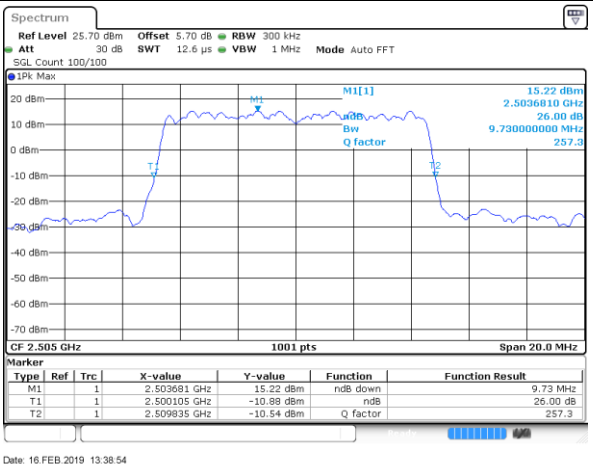


## LTE Band 7

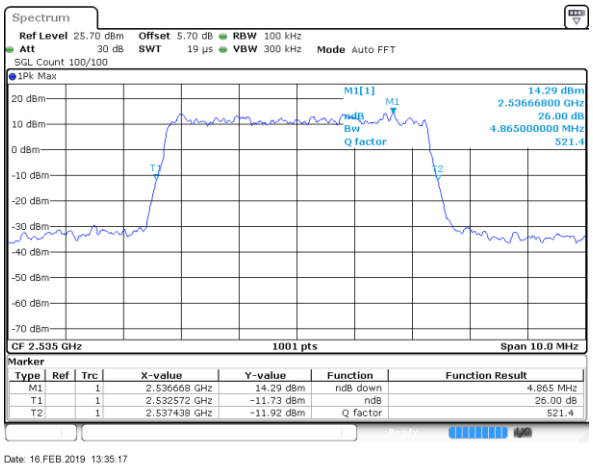
### Lowest Channel / 5MHz / 64QAM



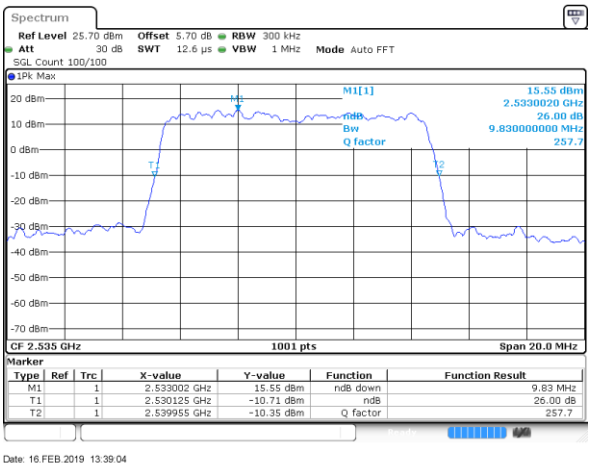

### Lowest Channel / 10MHz / 64QAM



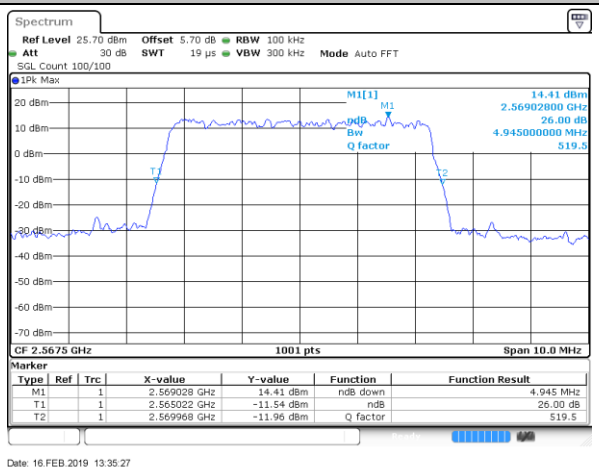

### Middle Channel / 5MHz / 64QAM



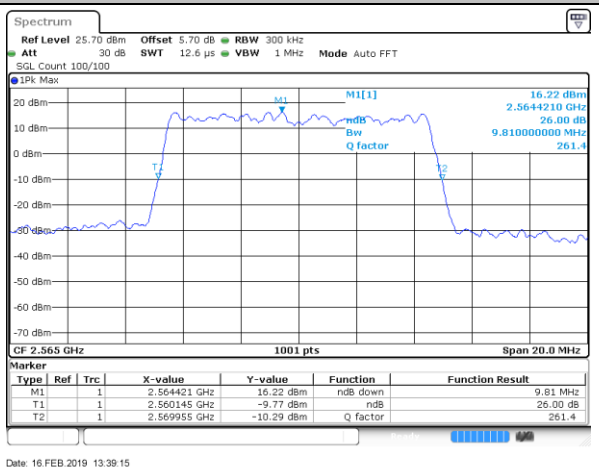

### Middle Channel / 10MHz / 64QAM




### Highest Channel / 5MHz / 64QAM

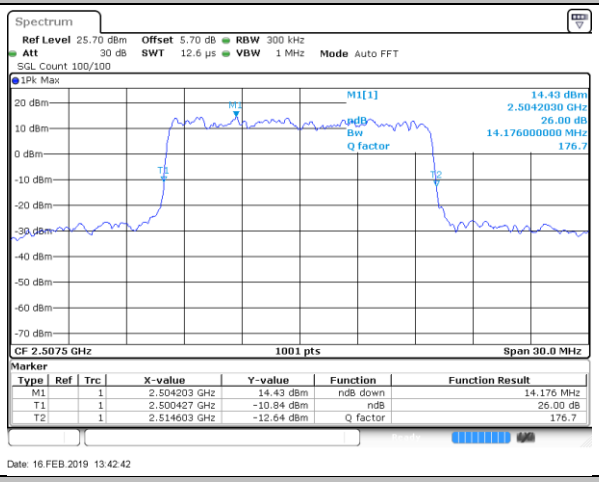



### Highest Channel / 10MHz / 64QAM

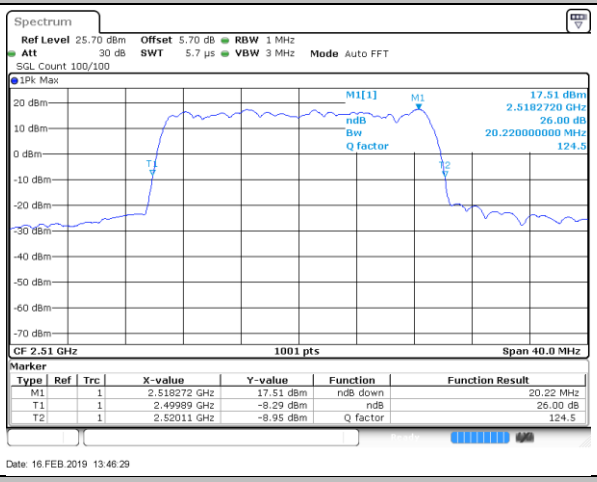


## LTE Band 7

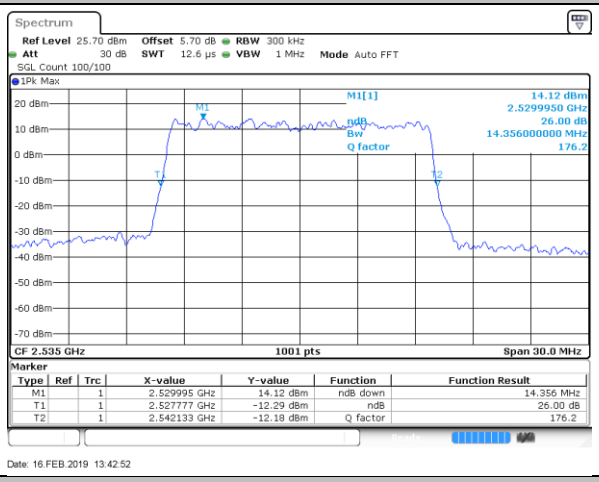
### Lowest Channel / 15MHz / 64QAM



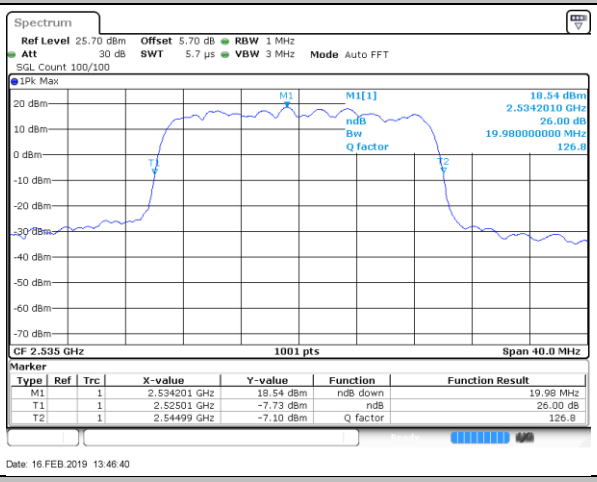

### Lowest Channel / 20MHz / 64QAM



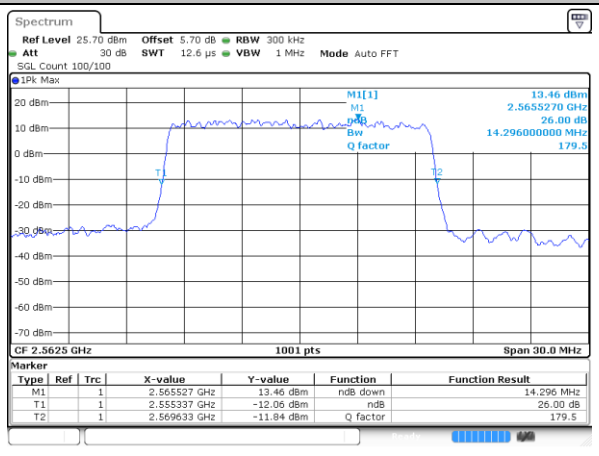

### Middle Channel / 15MHz / 64QAM



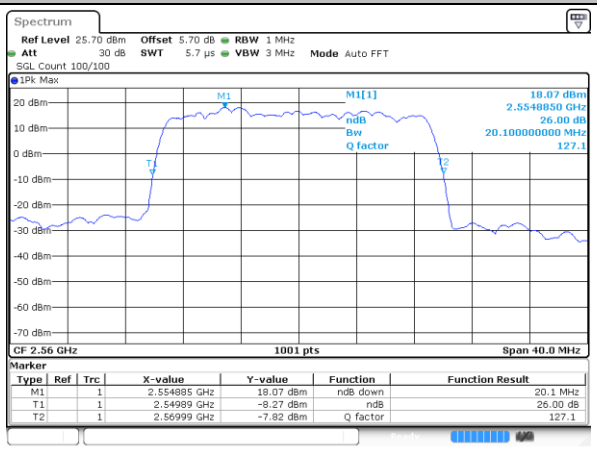

### Middle Channel / 20MHz / 64QAM




### Highest Channel / 15MHz / 64QAM

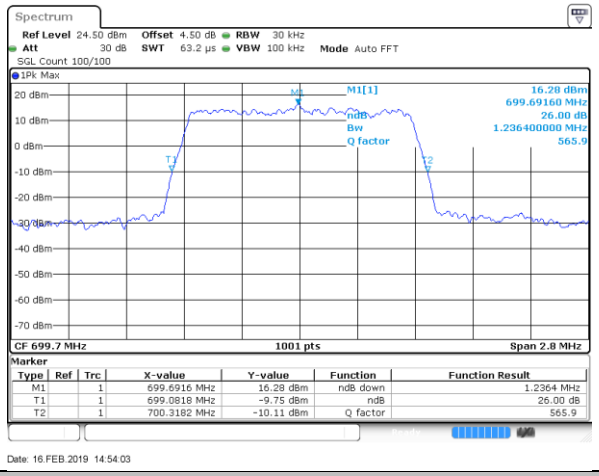



### Highest Channel / 20MHz / 64QAM

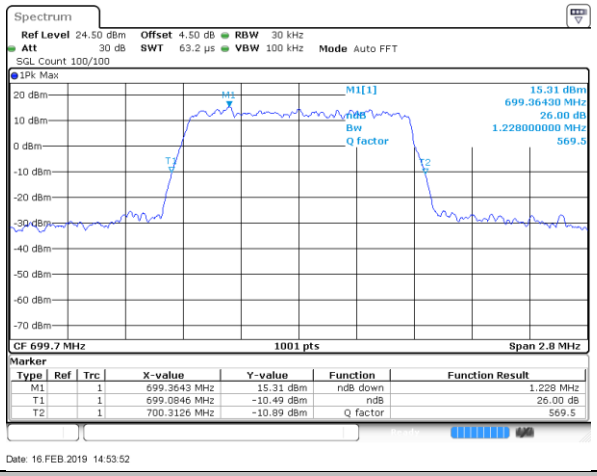


## LTE Band 12

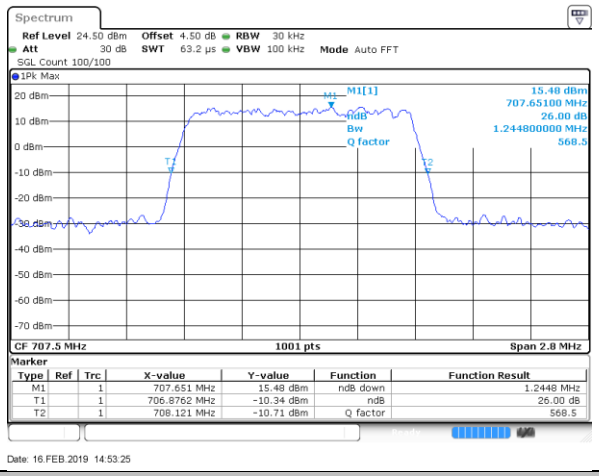
### Lowest Channel / 1.4MHz / QPSK



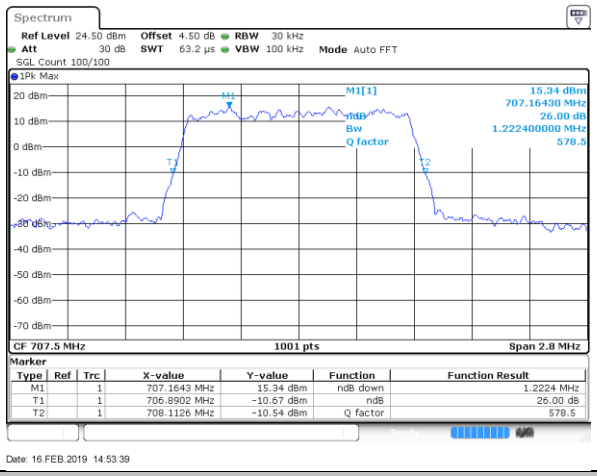

### Lowest Channel / 1.4MHz / 16QAM



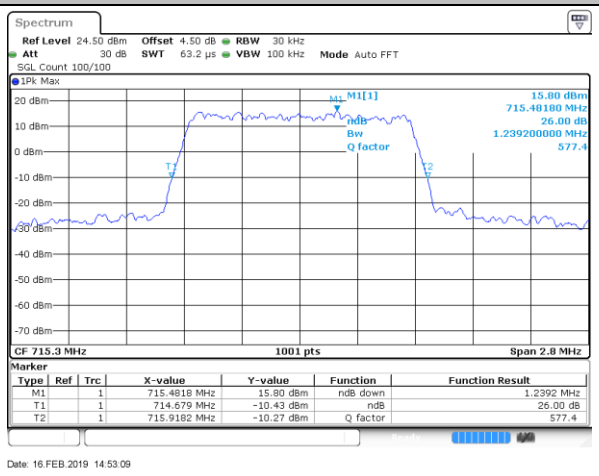

### Middle Channel / 1.4MHz / QPSK



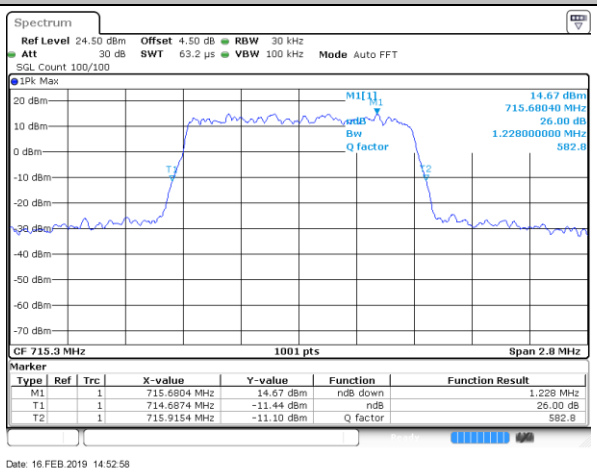

### Middle Channel / 1.4MHz / 16QAM




### Highest Channel / 1.4MHz / QPSK

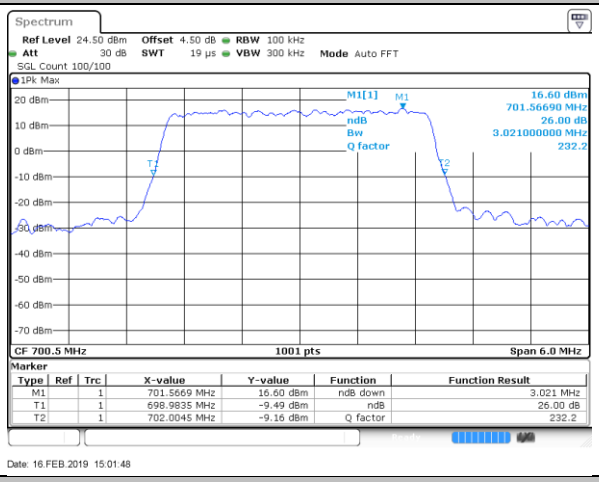



### Highest Channel / 1.4MHz / 16QAM

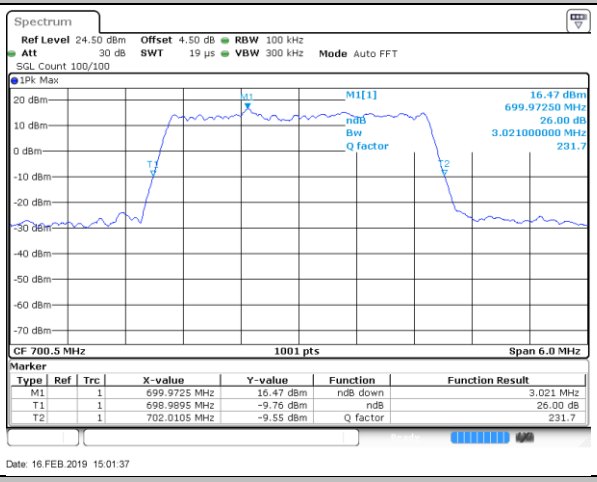


## LTE Band 12

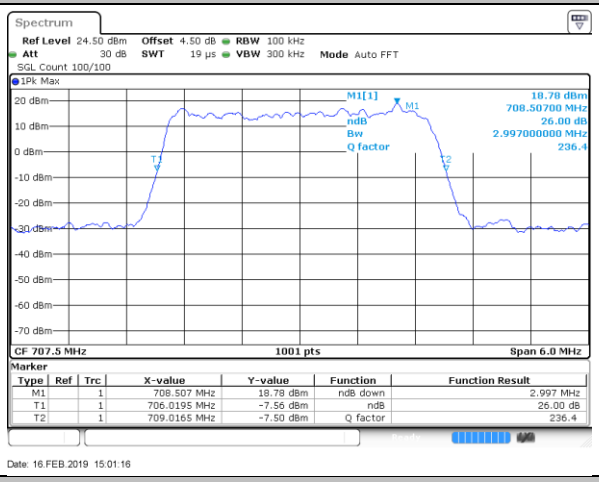
### Lowest Channel / 3MHz / QPSK



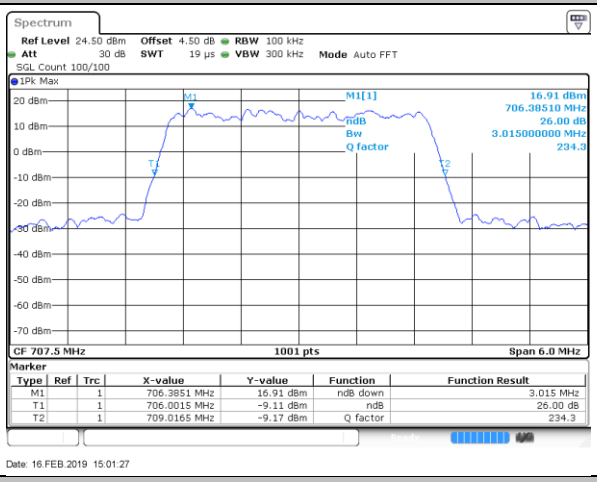

### Lowest Channel / 3MHz / 16QAM



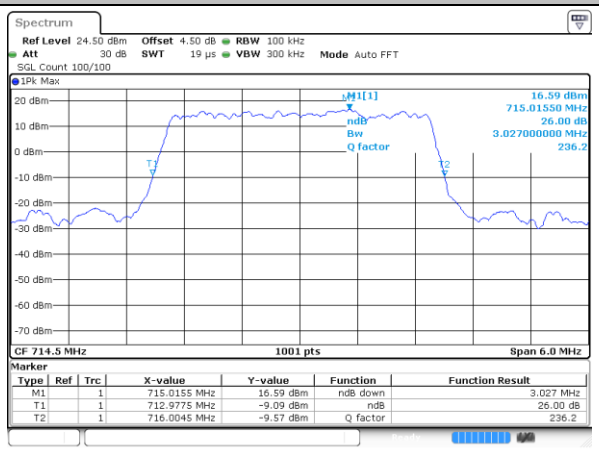

### Middle Channel / 3MHz / QPSK

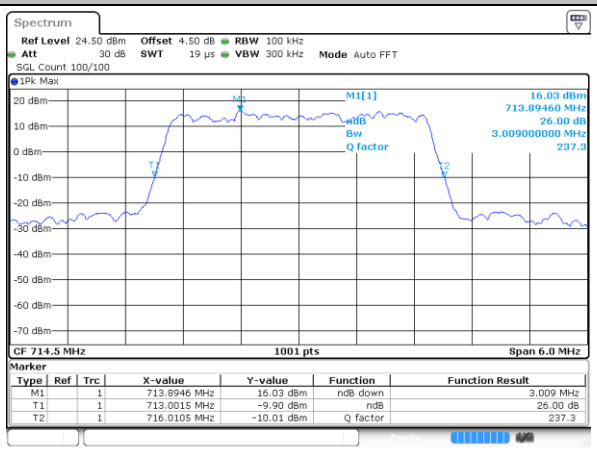



### Middle Channel / 3MHz / 16QAM




### Highest Channel / 3MHz / QPSK




### Highest Channel / 3MHz / 16QAM