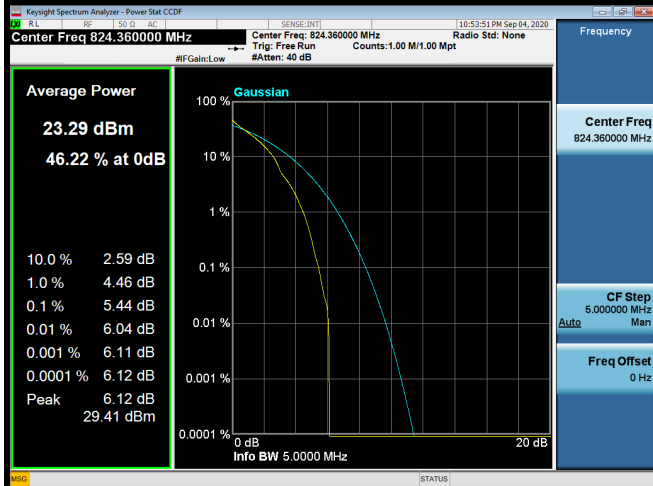
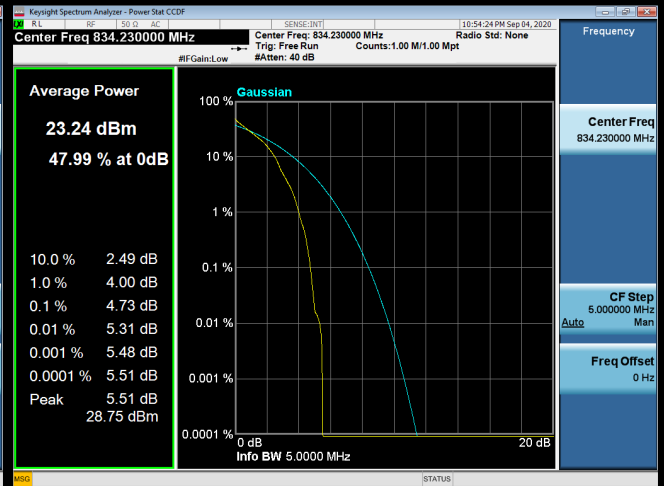


## LTE Band 5\_5M Spectrum Plot

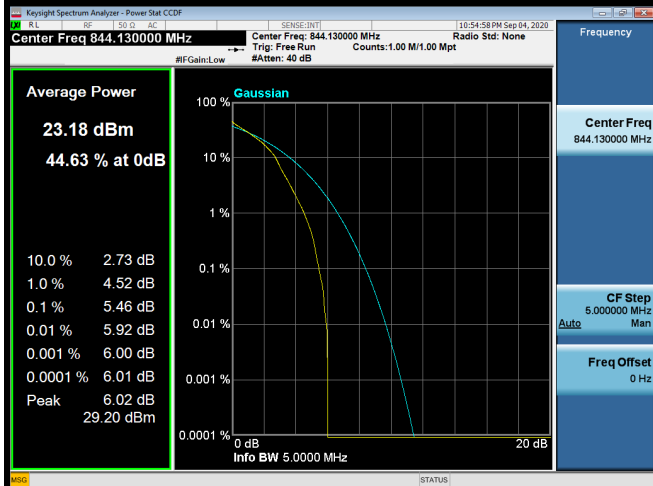
### QPSK-20425



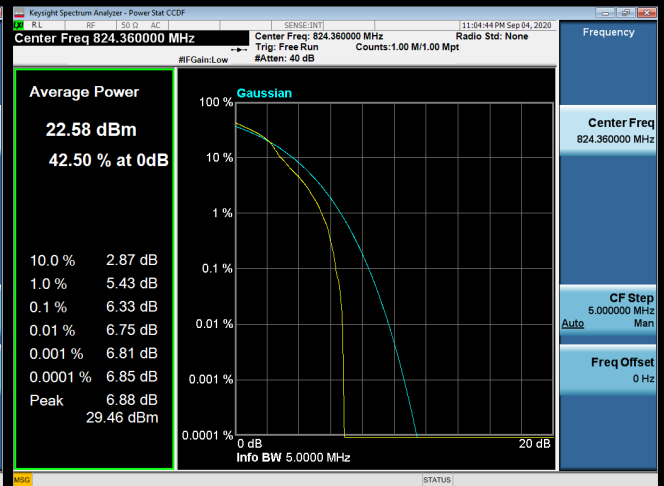
### QPSK-20525



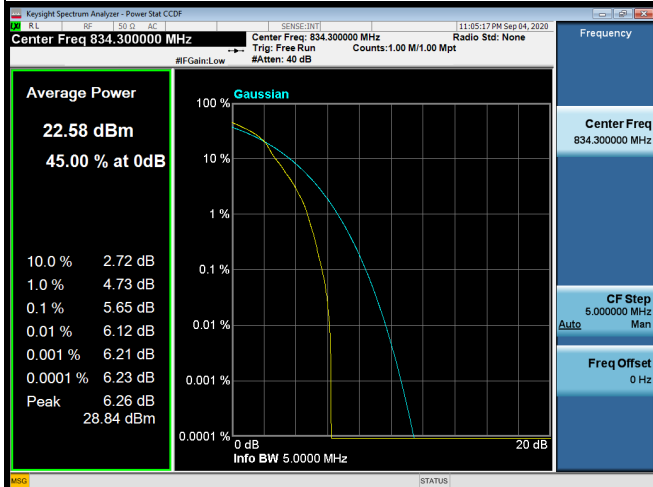
### QPSK-20625



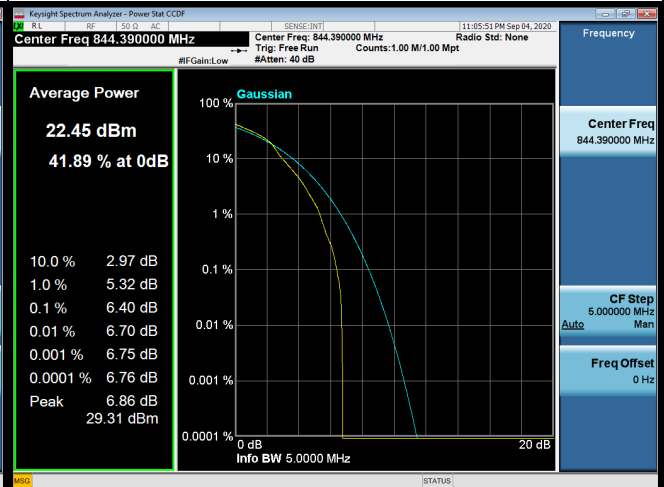
### 16QAM-20425



### 16QAM-20525

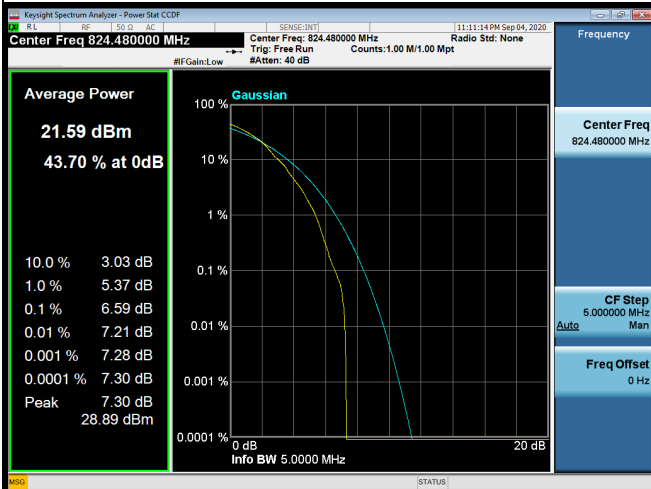


### 16QAM-20625

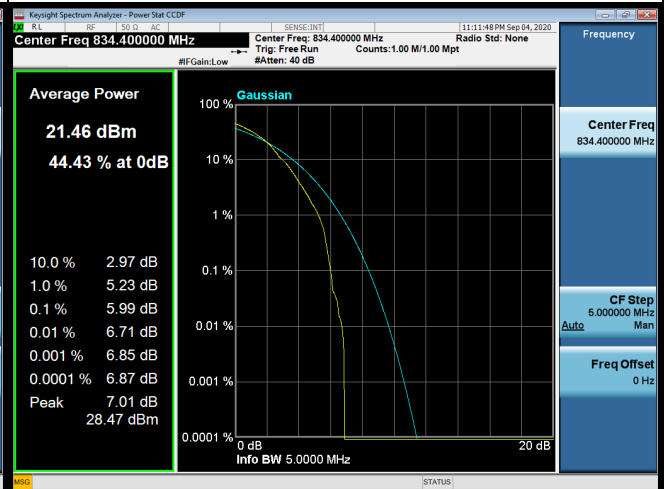


## LTE Band 5\_5M Spectrum Plot

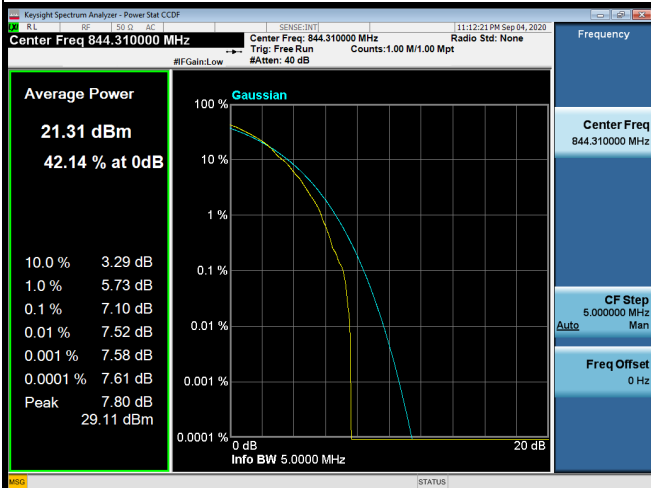
### 64QAM-20425



### 64QAM-20525

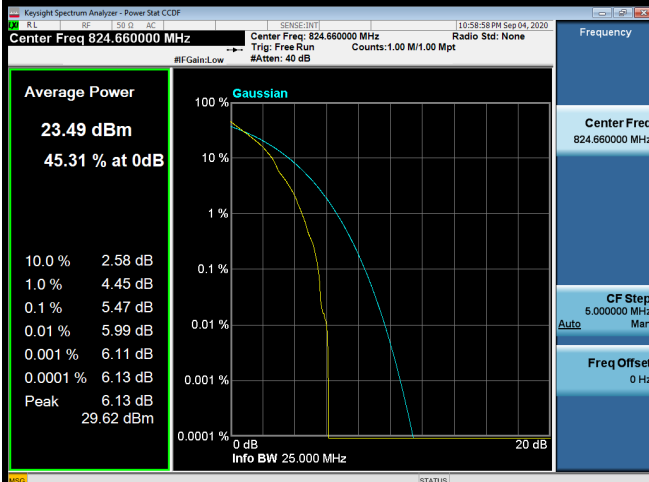


### 64QAM-20625

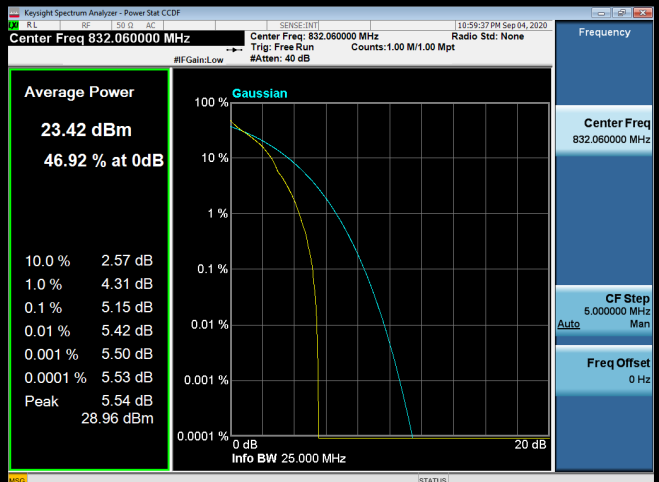


## LTE Band 5\_10M Spectrum Plot

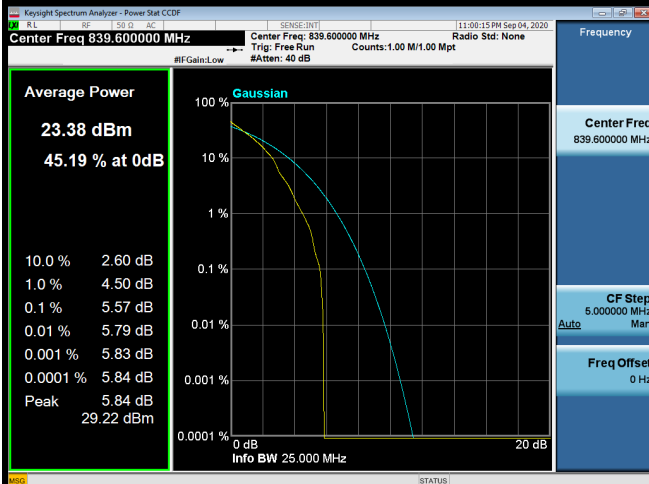
### QPSK-20450



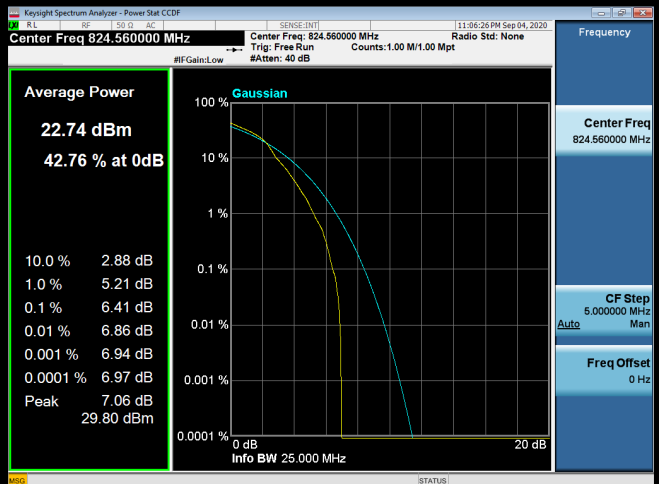
### QPSK-20525



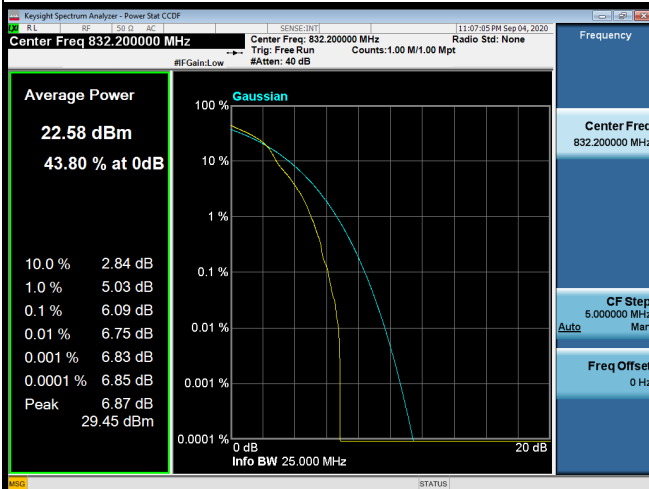
### QPSK-20600



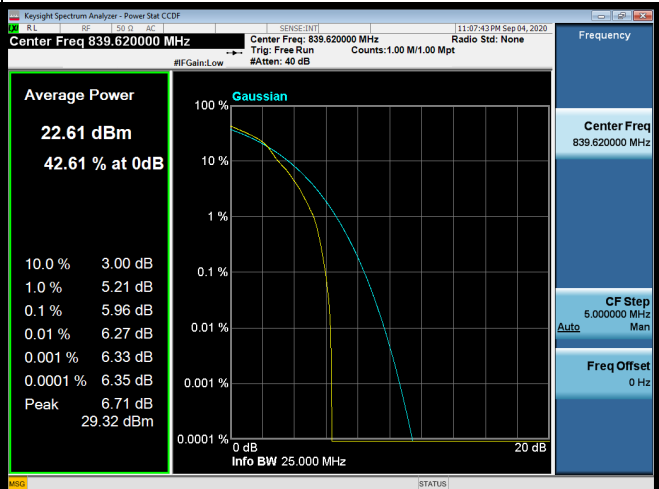
### 16QAM-20450



### 16QAM-20525

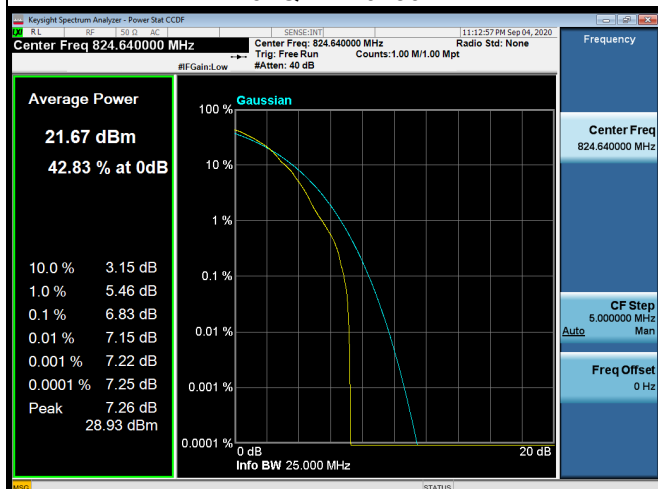


### 16QAM-20600

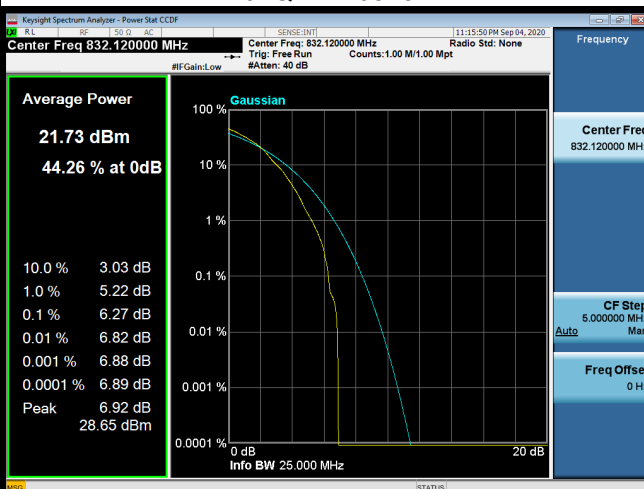


## LTE Band 5\_10M Spectrum Plot

### 64QAM-20450



### 64QAM-20525

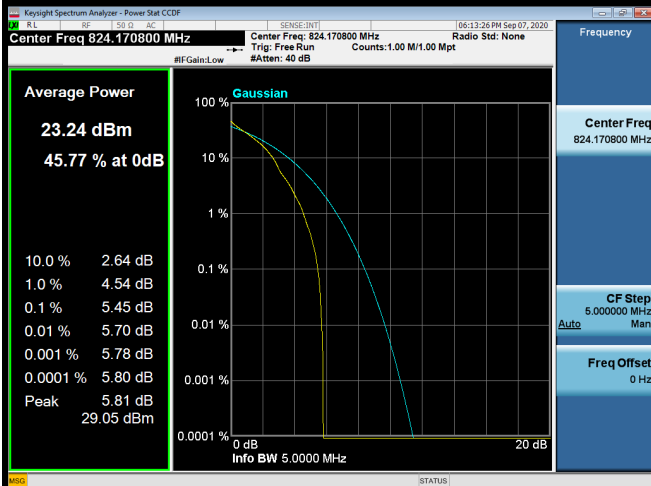


### 64QAM-20600

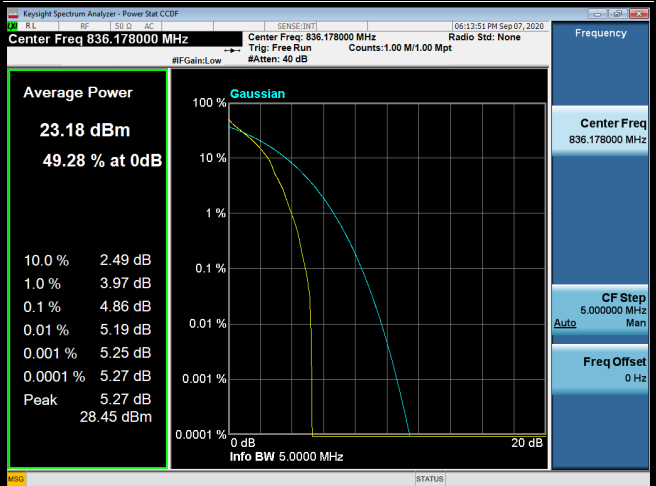


## LTE Band 26\_1.4M Spectrum Plot

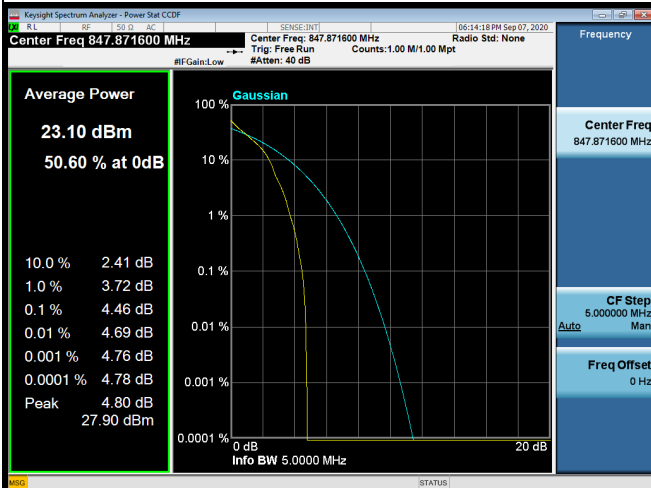
### QPSK-26797



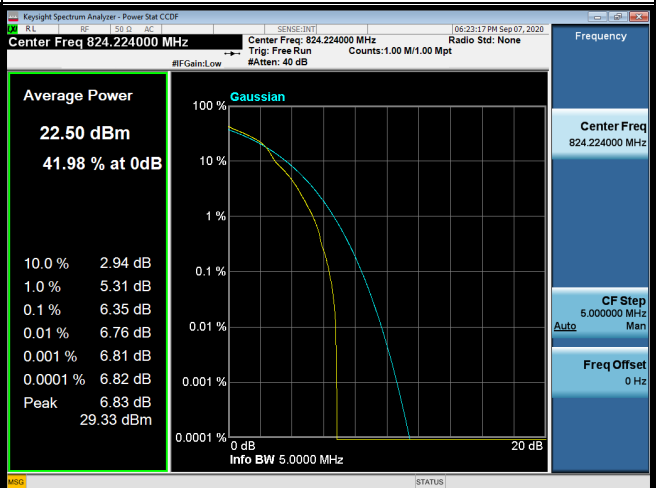
### QPSK-26915



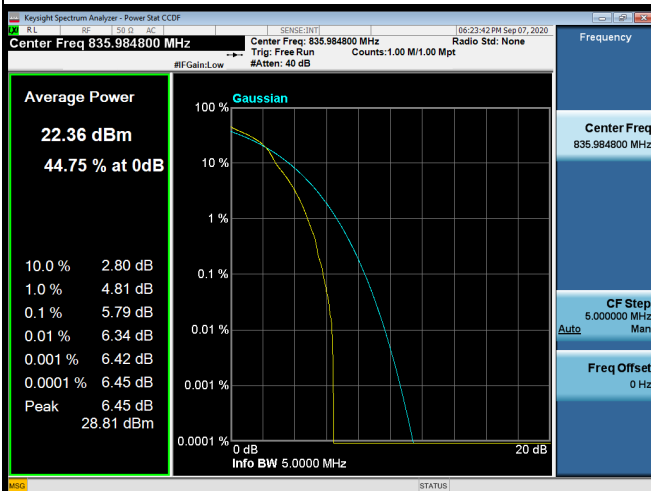
### QPSK-27033



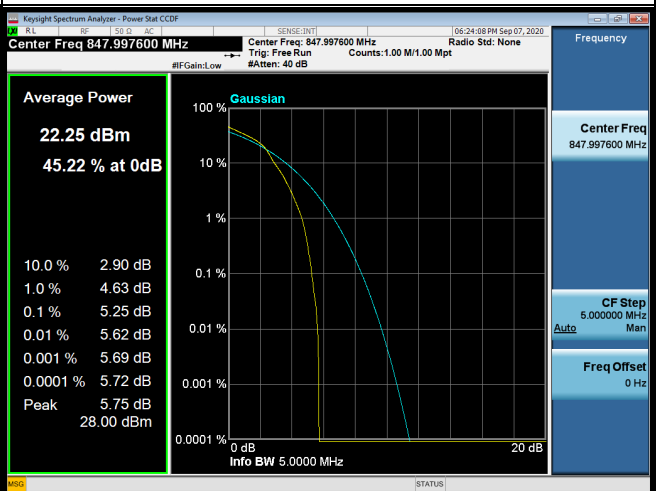
### 16QAM-26797



### 16QAM-26915

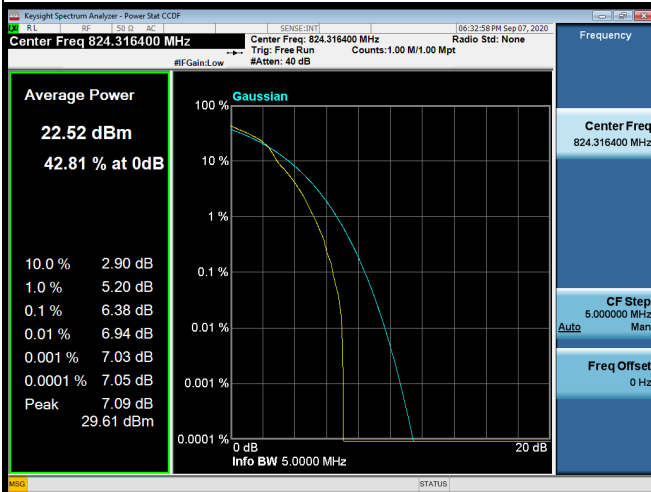


### 16QAM-27033

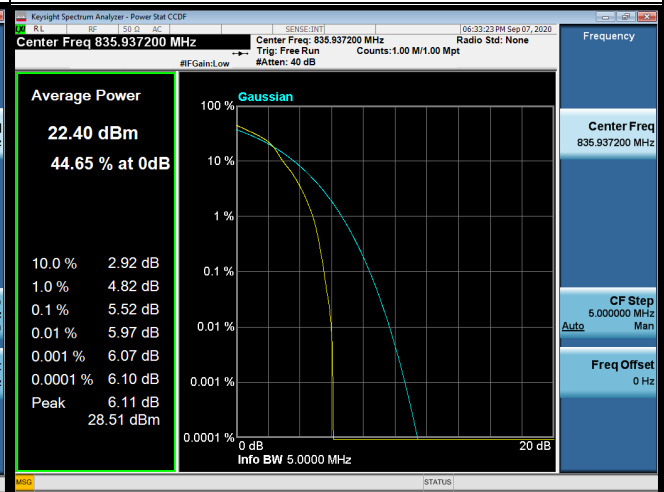


## LTE Band 26\_1.4M Spectrum Plot

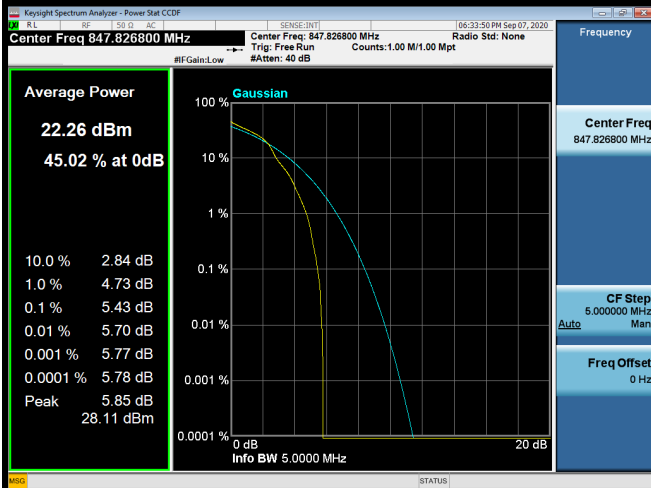
### 64QAM-26797



### 64QAM-26915

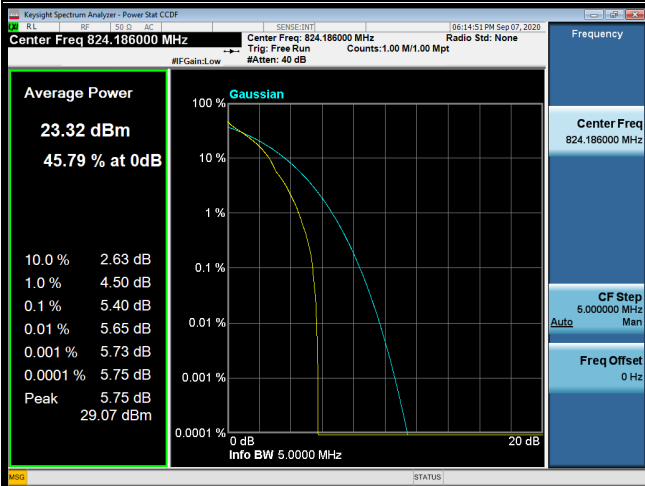


### 64QAM-27033

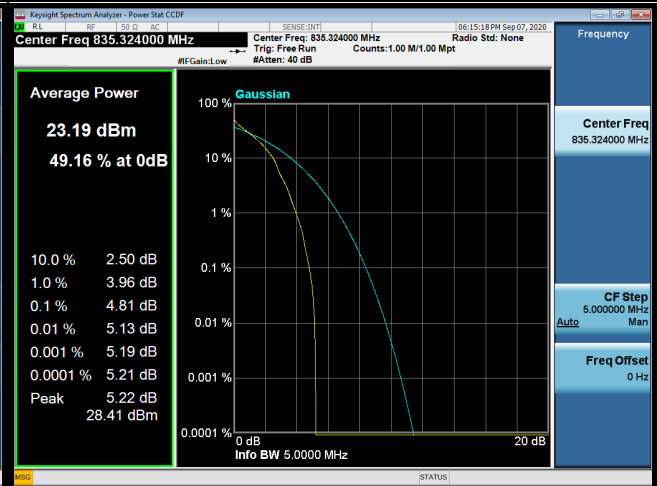


## LTE Band 26\_3M Spectrum Plot

### QPSK-26805



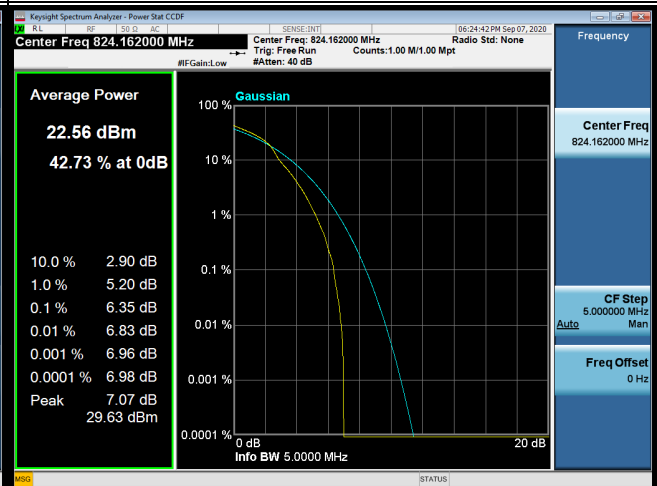
### QPSK-26915



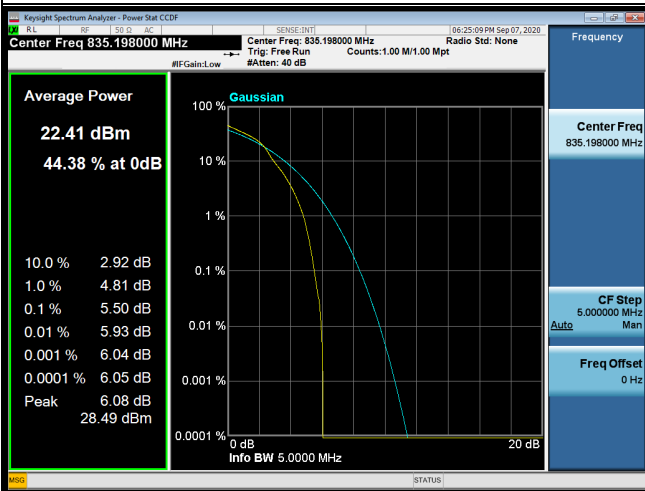
### QPSK-27025



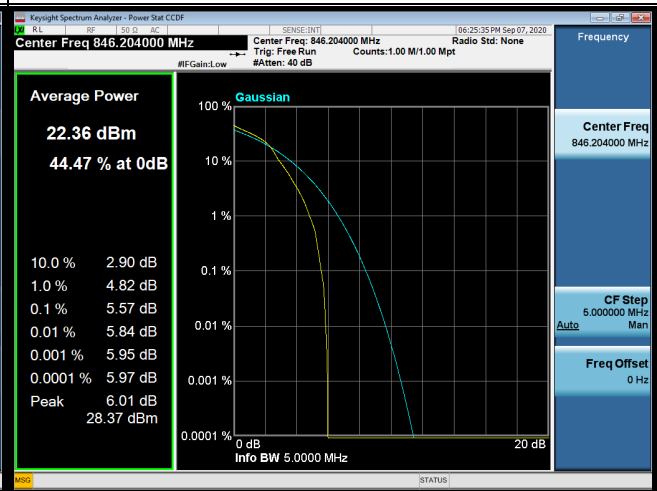
### 16QAM-26805



### 16QAM-26915

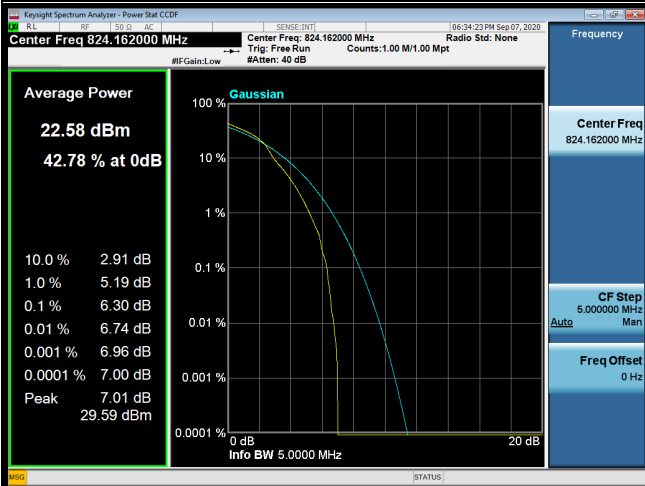


### 16QAM-27025

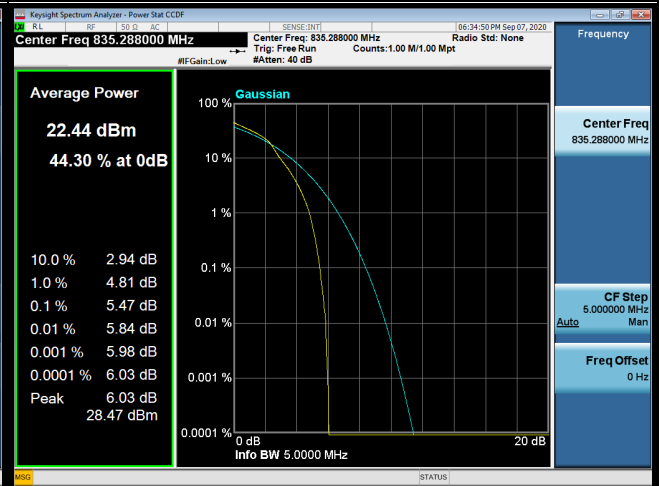


## LTE Band 26\_3M Spectrum Plot

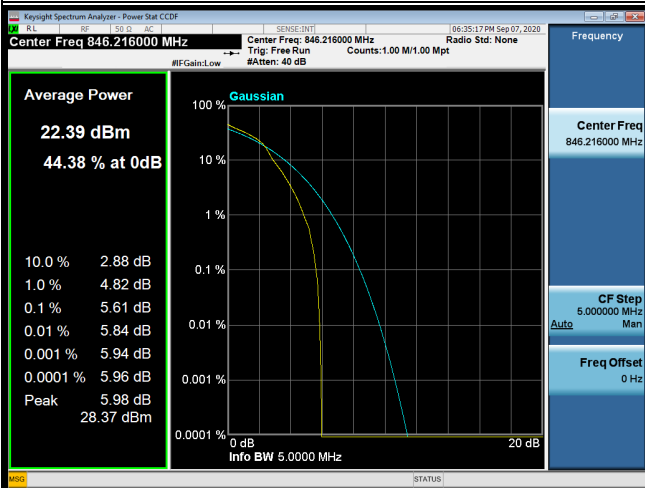
### 64QAM-26805



### 64QAM-26915

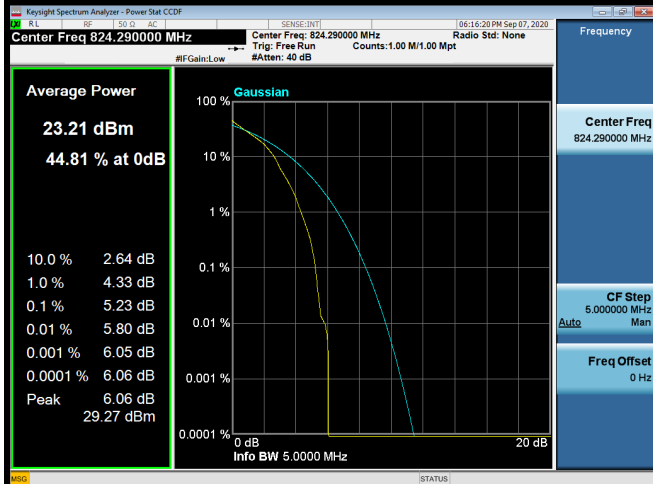


### 64QAM-27025

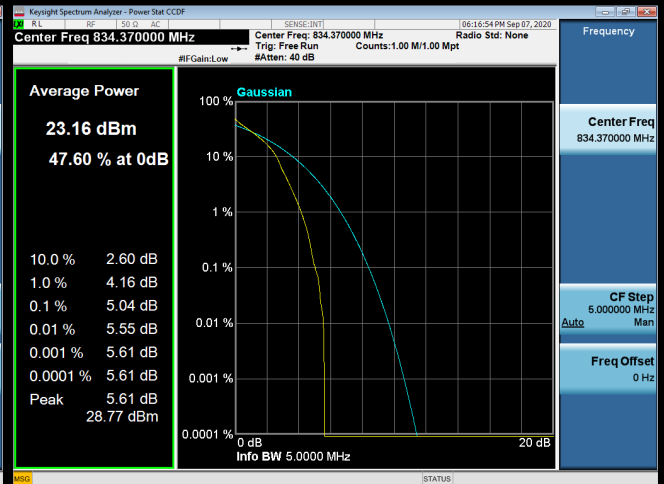


## LTE Band 26\_5M Spectrum Plot

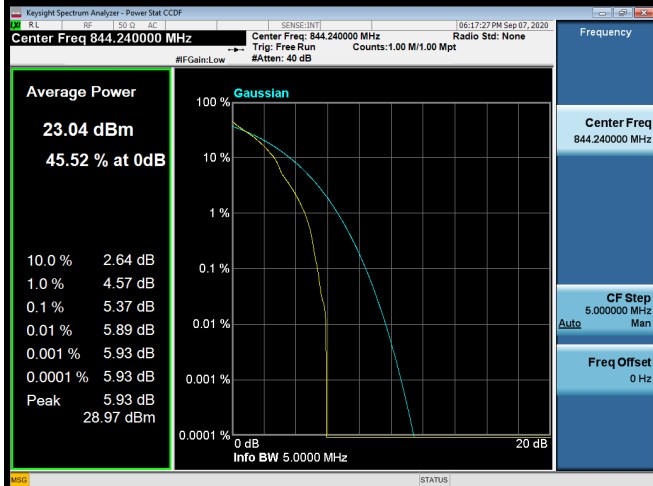
### QPSK-26815



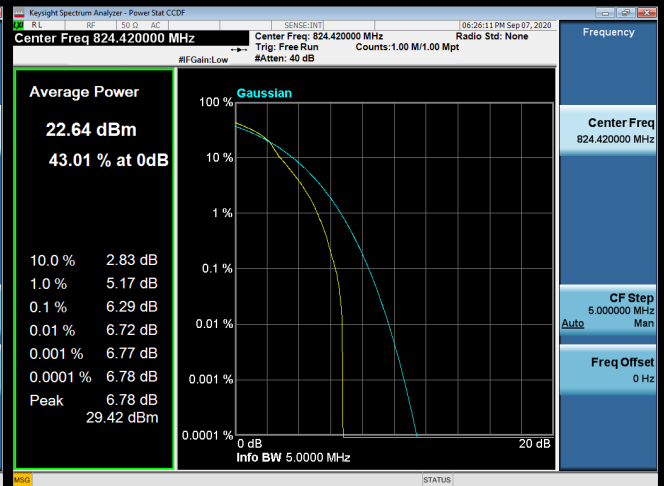
### QPSK-26915



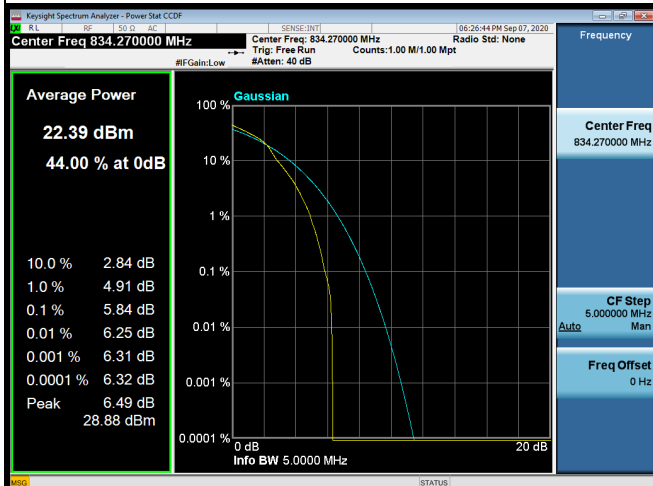
### QPSK-27015



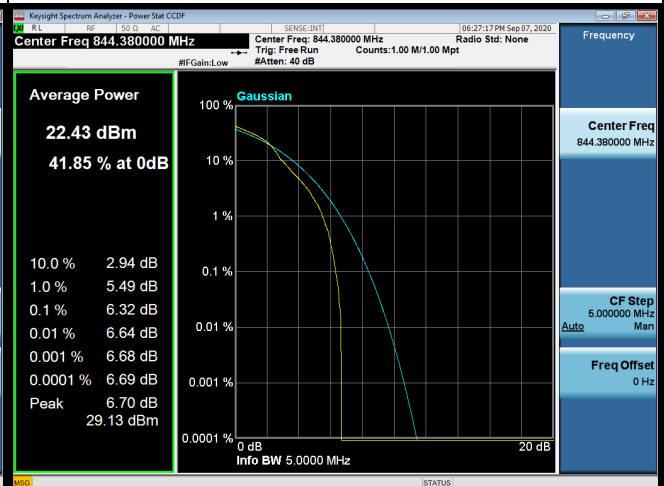
### 16QAM-26815



### 16QAM-26915

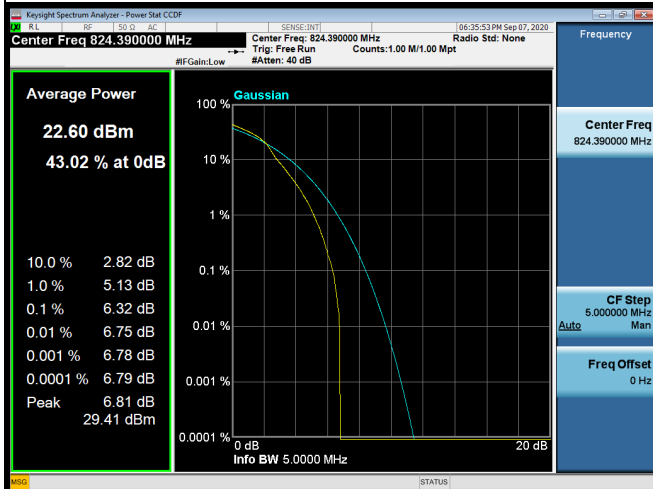


### 16QAM-27015

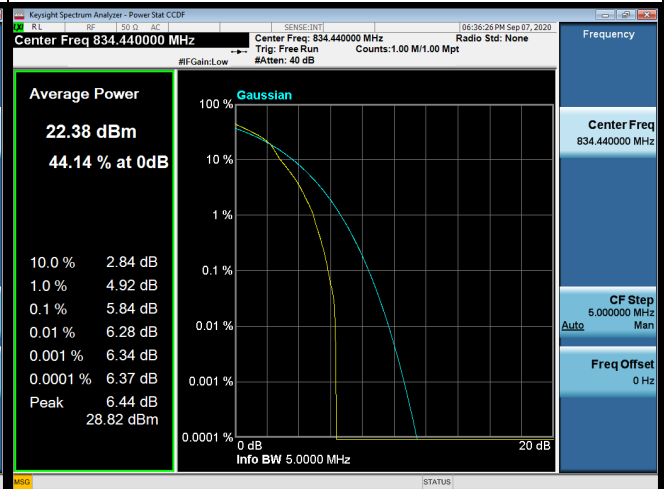


## LTE Band 26\_5M Spectrum Plot

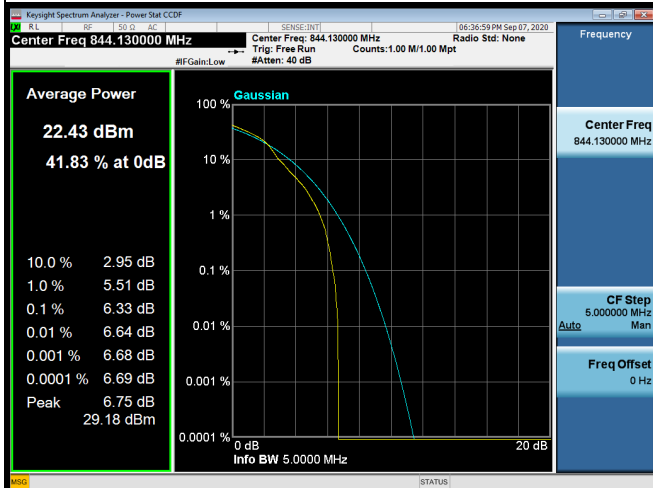
### 64QAM-26815



### 64QAM-26915

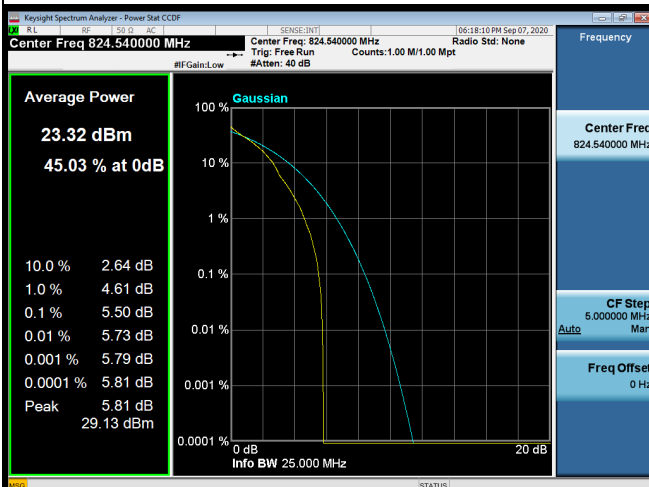


### 64QAM-27015

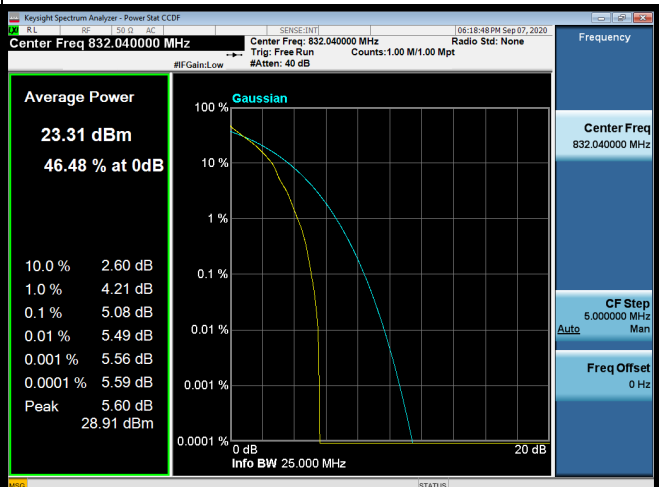


## LTE Band 26\_10M Spectrum Plot

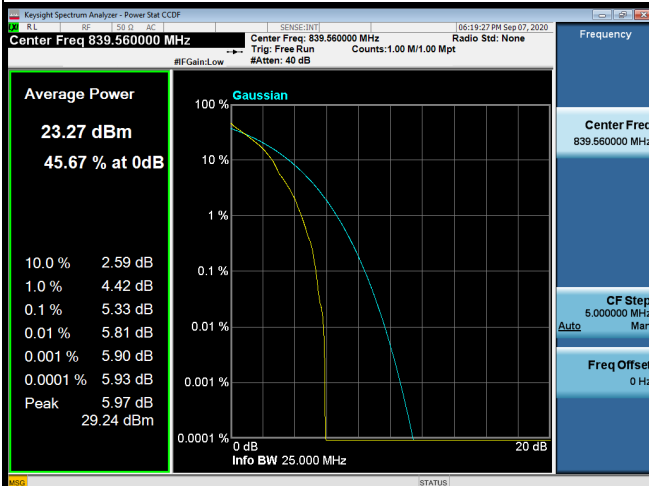
### QPSK-26840



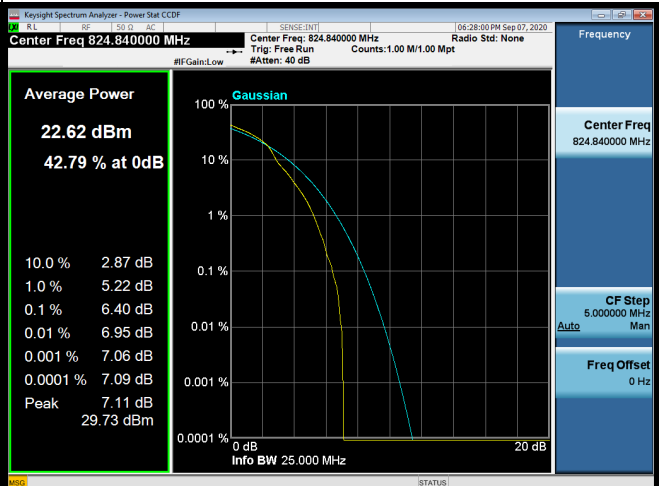
### QPSK-26915



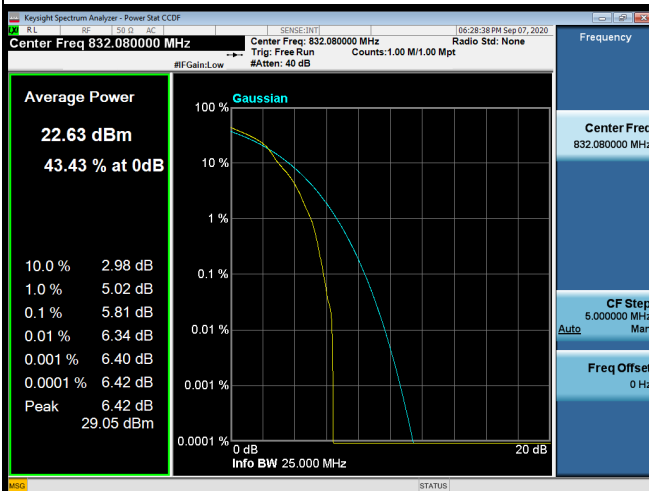
### QPSK-26990



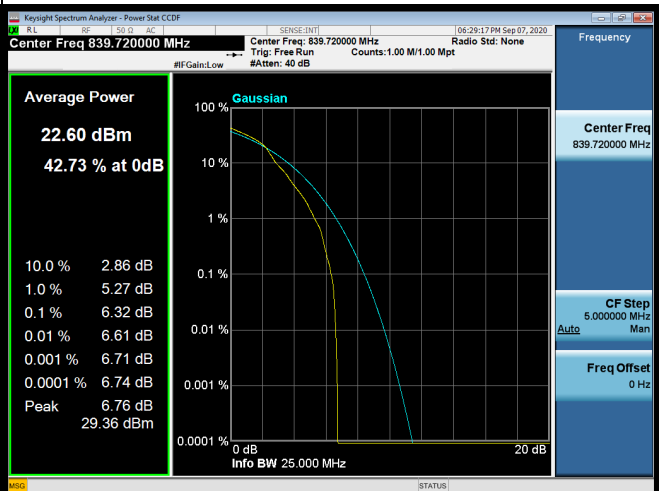
### 16QAM-26840



### 16QAM-26915

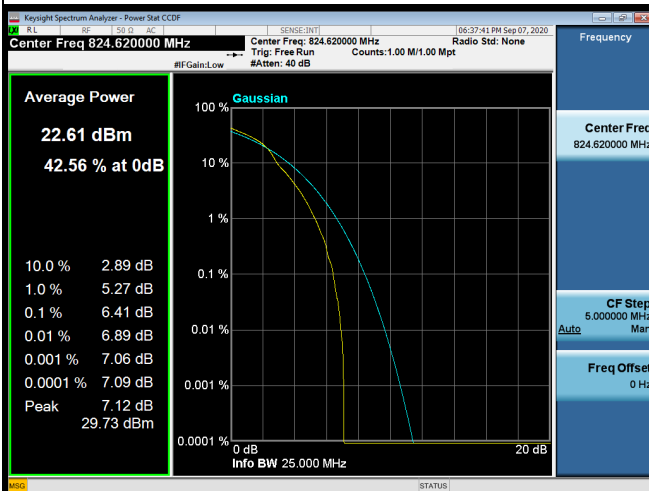


### 16QAM-26990

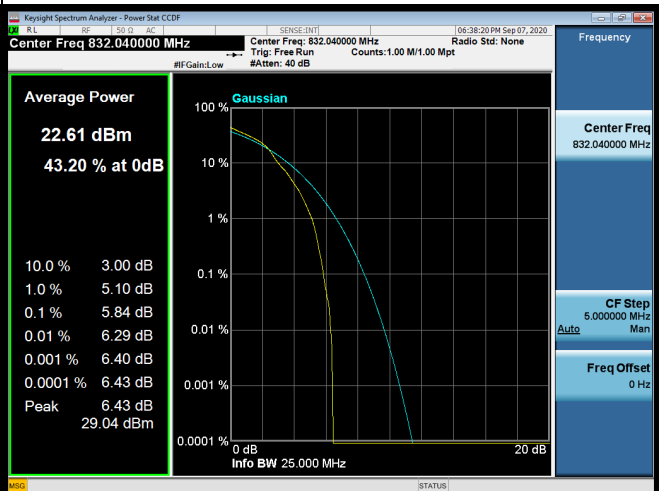


## LTE Band 26\_10M Spectrum Plot

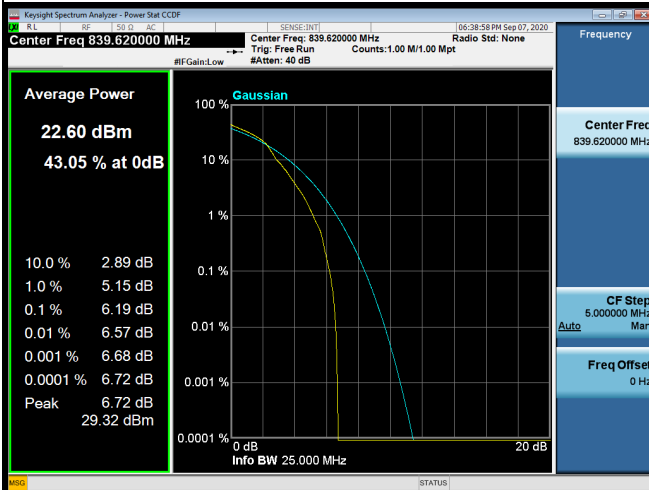
### 64QAM-26840



### 64QAM-26915

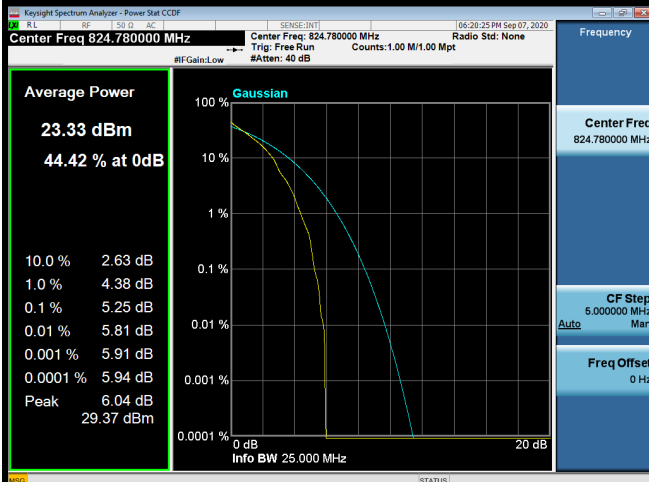


### 64QAM-26990

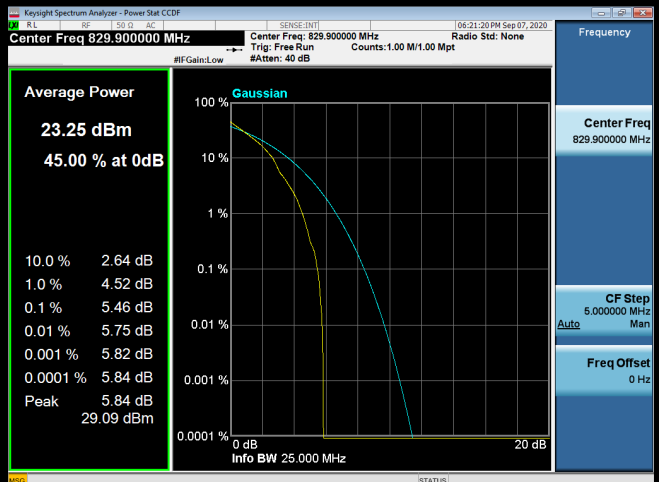


## LTE Band 26\_15M Spectrum Plot

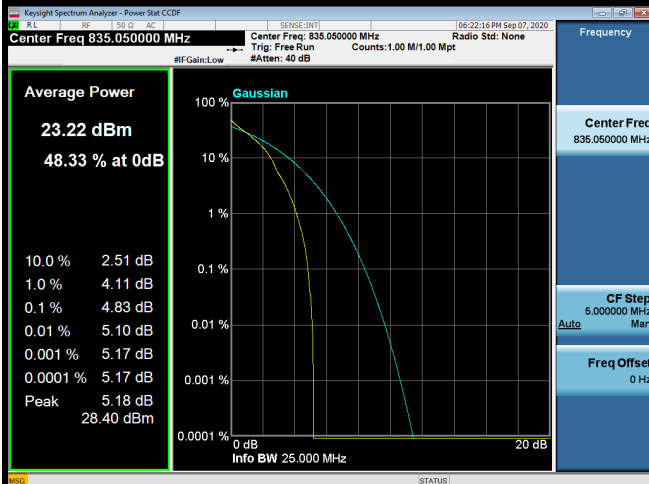
### QPSK-26865



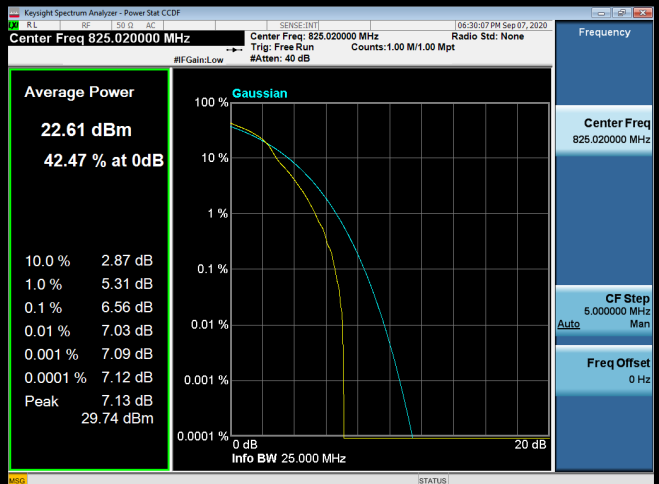
### QPSK-26915



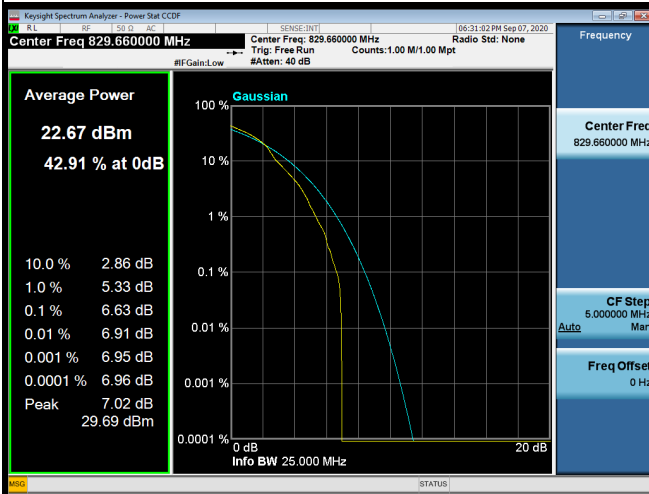
### QPSK-26965



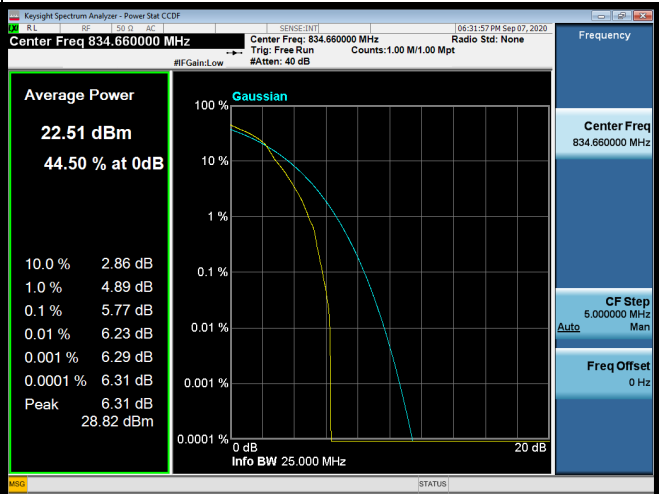
### 16QAM-26865



### 16QAM-26915

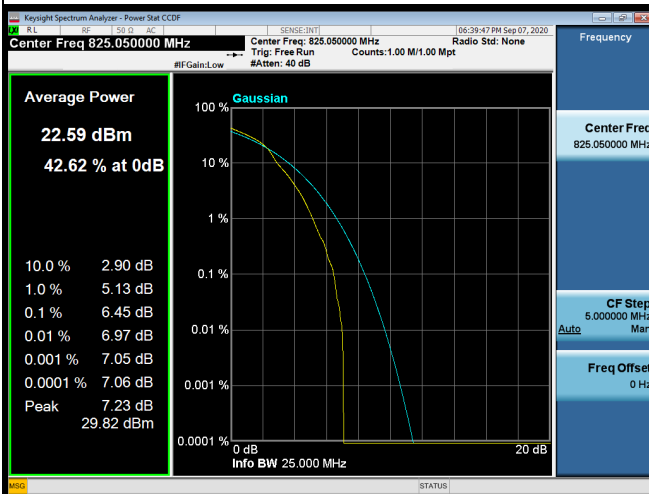


### 16QAM-26965

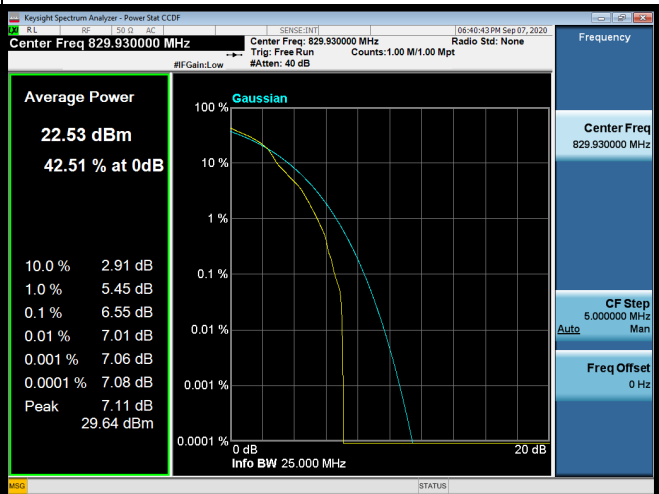


## LTE Band 26\_15M Spectrum Plot

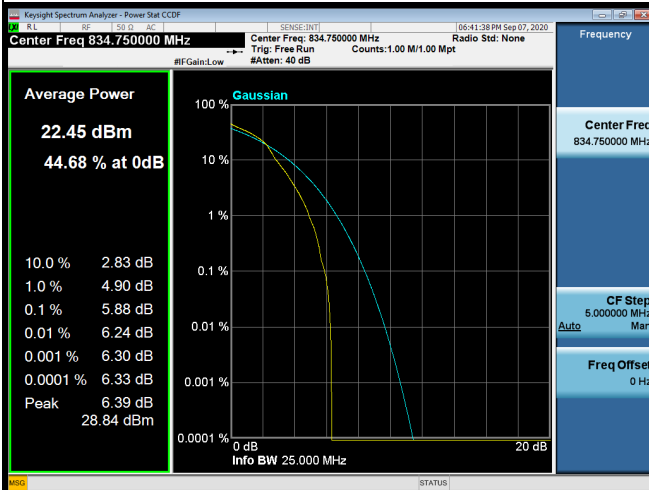
### 64QAM-26865



### 64QAM-26915



### 64QAM-26965



## **APPENDIX I - FREQUENCY STABILITY**

|           |              |
|-----------|--------------|
| Test Mode | GSM850_CH190 |
|-----------|--------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 3.54                 | 0.004231413           | ±2.5       |
| 10                   | 1.27                 | 0.001518049           |            |
| 20                   | 2.86                 | 0.003418599           |            |
| 30                   | 2.77                 | 0.003311021           |            |
| 35                   | 5.22                 | 0.006239541           |            |
| Max. Deviation (ppm) | 5.22                 | 0.006239541           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | 2.93                 | 0.003502271           | ±2.5       |
| 3.85                 | 2.87                 | 0.003430552           |            |
| 3.6                  | 3.73                 | 0.004458523           |            |
| Max. Deviation (ppm) | 3.73                 | 0.004458523           |            |

|           |                     |
|-----------|---------------------|
| Test Mode | WCDMA Band V_CH4182 |
|-----------|---------------------|

### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 5.45                 | 0.006516021           | ±2.5       |
| 10                   | 1.54                 | 0.001841224           |            |
| 20                   | 3.43                 | 0.004100909           |            |
| 30                   | 5.77                 | 0.006898613           |            |
| 35                   | 2.81                 | 0.003359637           |            |
| Max. Deviation (ppm) | 5.77                 | 0.006898613           |            |

### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | 3.74                 | 0.004471545           | ±2.5       |
| 3.85                 | 4.35                 | 0.005200861           |            |
| 3.6                  | 6.02                 | 0.007197513           |            |
| Max. Deviation (ppm) | 6.02                 | 0.007197513           |            |

|           |                         |
|-----------|-------------------------|
| Test Mode | LTE Band 5_CH20525_1.4M |
|-----------|-------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 2.36                 | 0.002821279           | ±2.5       |
| 10                   | -2.14                | -0.002558279          |            |
| 20                   | -4.44                | -0.00530783           |            |
| 30                   | 3.15                 | 0.00376569            |            |
| 35                   | -4.26                | -0.005092648          |            |
| Max. Deviation (ppm) | -4.44                | -0.00530783           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | -2.45                | -0.00292887           | ±2.5       |
| 3.85                 | -3.99                | -0.004769874          |            |
| 3.6                  | 2.24                 | 0.002677824           |            |
| Max. Deviation (ppm) | -3.99                | -0.004769874          |            |

|           |                       |
|-----------|-----------------------|
| Test Mode | LTE Band 5_CH20525_3M |
|-----------|-----------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 1.56                 | 0.001864913           | ±2.5       |
| 10                   | 3.29                 | 0.003933054           |            |
| 20                   | 1.37                 | 0.001637776           |            |
| 30                   | -3.60                | -0.004303646          |            |
| 35                   | -3.11                | -0.003717872          |            |
| Max. Deviation (ppm) | -3.6                 | -0.004303646          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | -1.74                | -0.002080096          | ±2.5       |
| 3.85                 | -2.62                | -0.003132098          |            |
| 3.6                  | 3.49                 | 0.004172146           |            |
| Max. Deviation (ppm) | 3.49                 | 0.004172146           |            |

|           |                       |
|-----------|-----------------------|
| Test Mode | LTE Band 5_CH20525_5M |
|-----------|-----------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 1.61                 | 0.001924686           | ±2.5       |
| 10                   | 3.49                 | 0.004172146           |            |
| 20                   | 3.09                 | 0.003693963           |            |
| 30                   | -6.41                | -0.007662881          |            |
| 35                   | 1.66                 | 0.001984459           |            |
| Max. Deviation (ppm) | -6.41                | -0.007662881          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | 1.29                 | 0.00154214            | ±2.5       |
| 3.85                 | -2.08                | -0.002486551          |            |
| 3.6                  | -2.87                | -0.003430962          |            |
| Max. Deviation (ppm) | -2.87                | -0.003430962          |            |

|           |                        |
|-----------|------------------------|
| Test Mode | LTE Band 5_CH20525_10M |
|-----------|------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 3.65                 | 0.004363419           | ±2.5       |
| 10                   | -3.57                | -0.004267782          |            |
| 20                   | 6.45                 | 0.007710699           |            |
| 30                   | -7.36                | -0.008798565          |            |
| 35                   | 7.12                 | 0.008511656           |            |
| Max. Deviation (ppm) | -7.36                | -0.008798565          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | -3.93                | -0.004698147          | ±2.5       |
| 3.85                 | -2.47                | -0.002952779          |            |
| 3.6                  | -3.77                | -0.004506874          |            |
| Max. Deviation (ppm) | -3.93                | -0.004698147          |            |

|           |                          |
|-----------|--------------------------|
| Test Mode | LTE Band 26_CH26915_1.4M |
|-----------|--------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | -2.46                | -0.002940825          | ± 2.5      |
| 5                    | -1.60                | -0.001912732          |            |
| 15                   | -4.24                | -0.005068739          |            |
| 25                   | -2.35                | -0.002809325          |            |
| 35                   | -2.92                | -0.003490735          |            |
| Max. Deviation (ppm) | -4.24                | -0.005068739          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | -4.21                | -0.005032875          | ± 2.5      |
| 3.85                 | -1.12                | -0.001338912          |            |
| 3.6                  | -2.53                | -0.003024507          |            |
| Max. Deviation (ppm) | -4.21                | -0.005032875          |            |

|           |                        |
|-----------|------------------------|
| Test Mode | LTE Band 26_CH26915_3M |
|-----------|------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 2.72                 | 0.003251644           | ± 2.5      |
| 5                    | -3.08                | -0.003682008          |            |
| 15                   | -2.95                | -0.003526599          |            |
| 25                   | 1.75                 | 0.00209205            |            |
| 35                   | -4.18                | -0.004997011          |            |
| Max. Deviation (ppm) | -4.18                | -0.004997011          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | 3.28                 | 0.0039211             | ± 2.5      |
| 3.85                 | -3.56                | -0.004255828          |            |
| 3.6                  | -4.97                | -0.005941423          |            |
| Max. Deviation (ppm) | -4.97                | -0.005941423          |            |

|           |                        |
|-----------|------------------------|
| Test Mode | LTE Band 26_CH26915_5M |
|-----------|------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | 2.86                 | 0.003419008           | ±2.5       |
| 5                    | 2.32                 | 0.002773461           |            |
| 15                   | 1.31                 | 0.001566049           |            |
| 25                   | -4.15                | -0.004961148          |            |
| 35                   | -3.14                | -0.003753736          |            |
| Max. Deviation (ppm) | -4.15                | -0.004961148          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | -1.94                | -0.002319187          | ±2.5       |
| 3.85                 | -4.61                | -0.005511058          |            |
| 3.6                  | 2.39                 | 0.002857143           |            |
| Max. Deviation (ppm) | -4.61                | -0.005511058          |            |

|           |                         |
|-----------|-------------------------|
| Test Mode | LTE Band 26_CH26915_10M |
|-----------|-------------------------|

### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | -1.90                | -0.002271369          | ± 2.5      |
| 5                    | -2.21                | -0.002641961          |            |
| 15                   | -3.67                | -0.004387328          |            |
| 25                   | -2.16                | -0.002582188          |            |
| 35                   | -1.55                | -0.001852959          |            |
| Max. Deviation (ppm) | -3.67                | -0.004387328          |            |

### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | 1.51                 | 0.00180514            | ± 2.5      |
| 3.85                 | 3.25                 | 0.003885236           |            |
| 3.6                  | -4.13                | -0.004937238          |            |
| Max. Deviation (ppm) | -4.13                | -0.004937238          |            |

|           |                         |
|-----------|-------------------------|
| Test Mode | LTE Band 26_CH26915_15M |
|-----------|-------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 0                    | -4.01                | -0.004793784          | ± 2.5      |
| 5                    | -4.46                | -0.005331739          |            |
| 15                   | -3.53                | -0.004219964          |            |
| 25                   | -4.06                | -0.004853556          |            |
| 35                   | -4.79                | -0.00572624           |            |
| Max. Deviation (ppm) | -4.79                | -0.00572624           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.4                  | -2.52                | -0.003012552          | ± 2.5      |
| 3.85                 | -1.12                | -0.001338912          |            |
| 3.6                  | -2.69                | -0.00321578           |            |
| Max. Deviation (ppm) | -2.69                | -0.00321578           |            |

End of Test Report