

## LTE Band 5\_10M Spectrum Plot

1RB#0

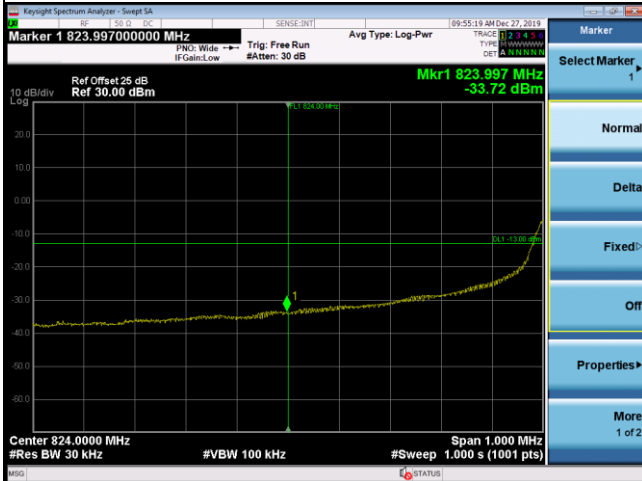
1RB#49

Channel

20450

Channel

20600



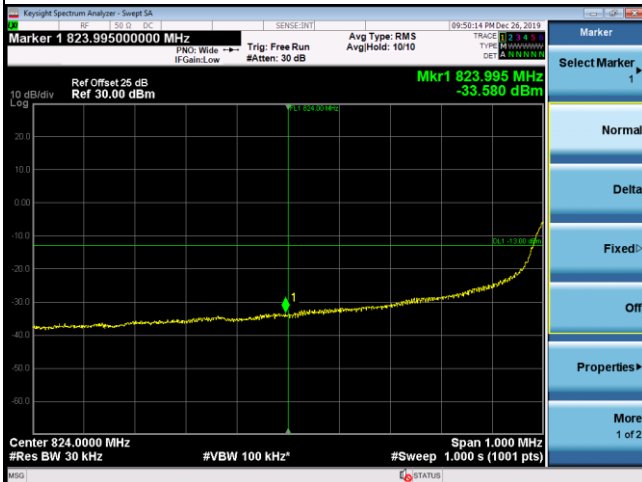
50RB#0

Channel

20450

Channel

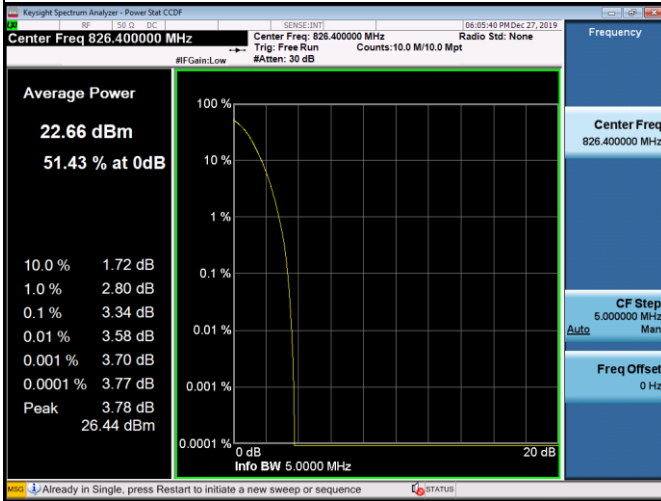
20600



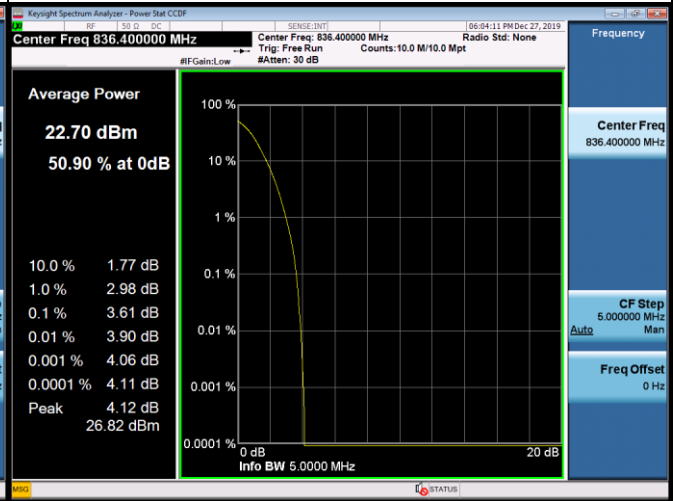
## APPENDIX G - PEAK TO AVERAGE RATIO

## WCDMA Band V\_WCDMA Spectrum Plot

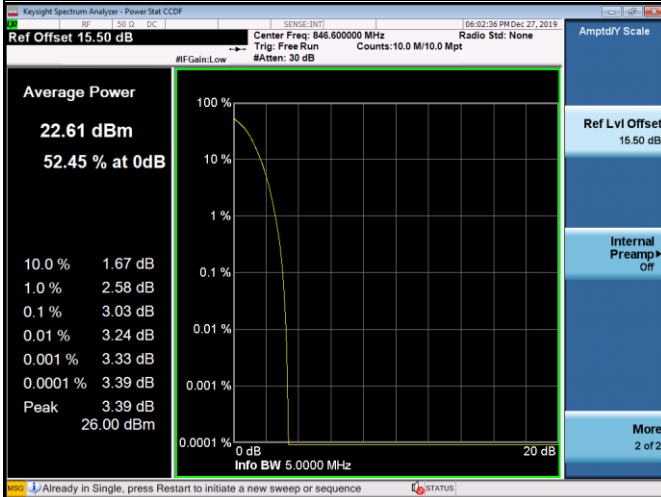
4132



4182



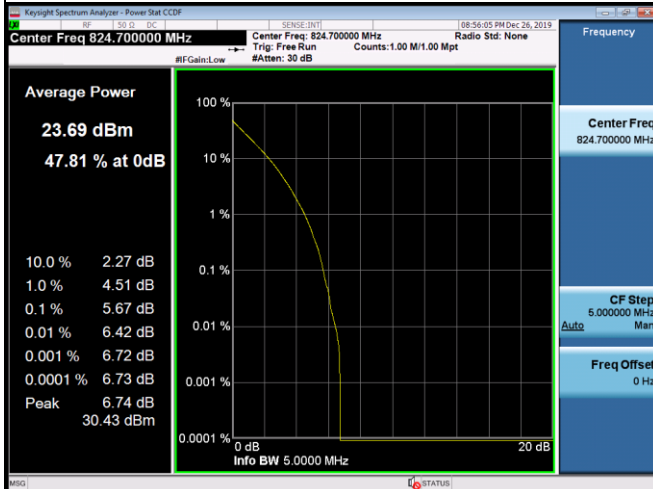
4233



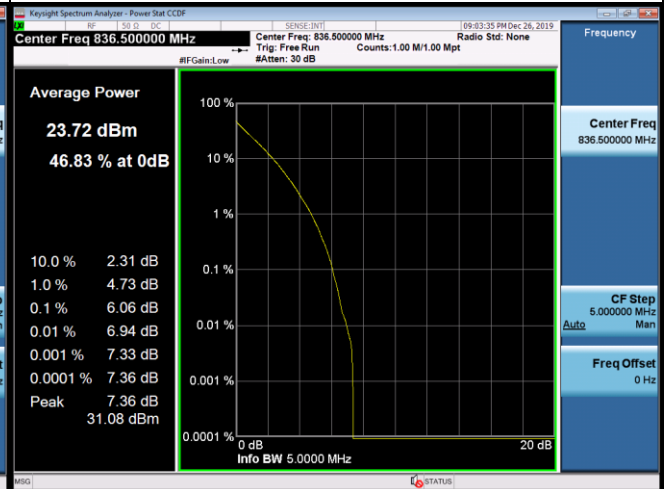
-

## LTE Band 5\_1.4M Spectrum Plot

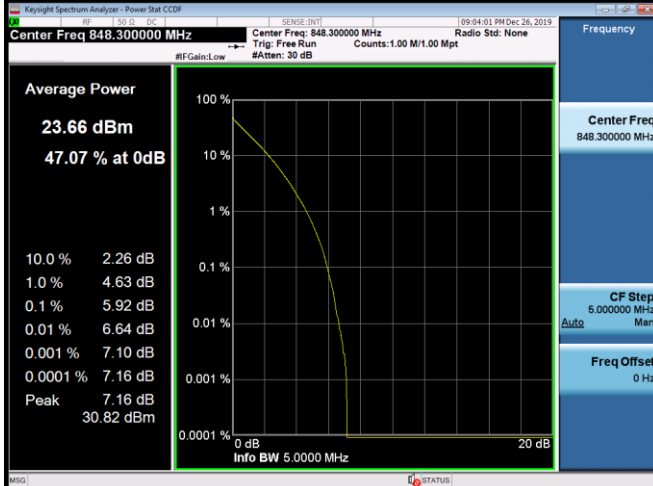
### QPSK-20407



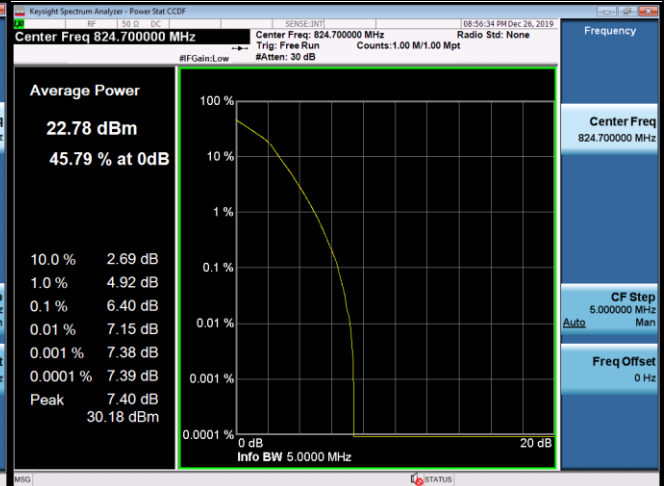
### QPSK-20525



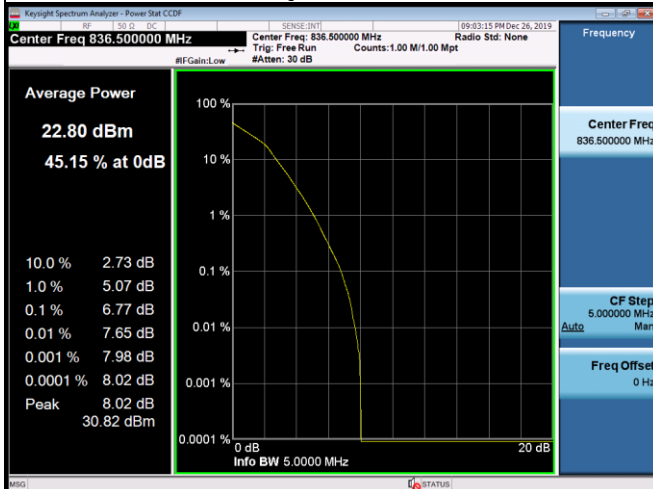
### QPSK-20643



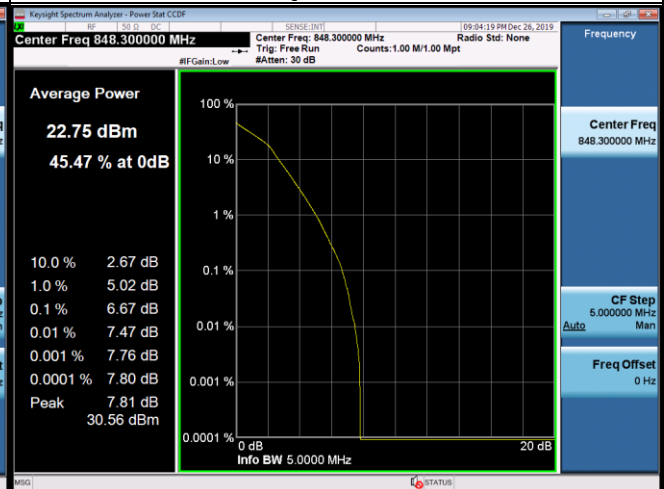
### 16QAM-20407



### 16QAM-20525

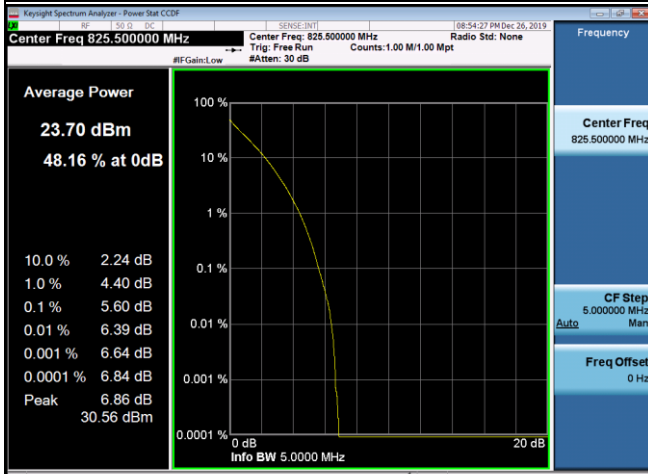


### 16QAM-20643

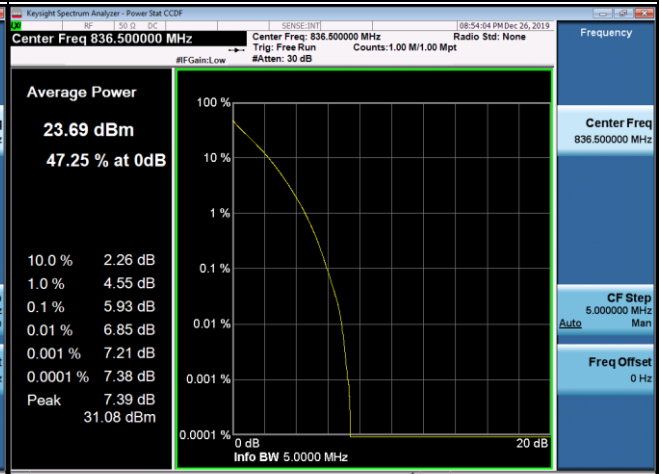


## LTE Band 5\_3M Spectrum Plot

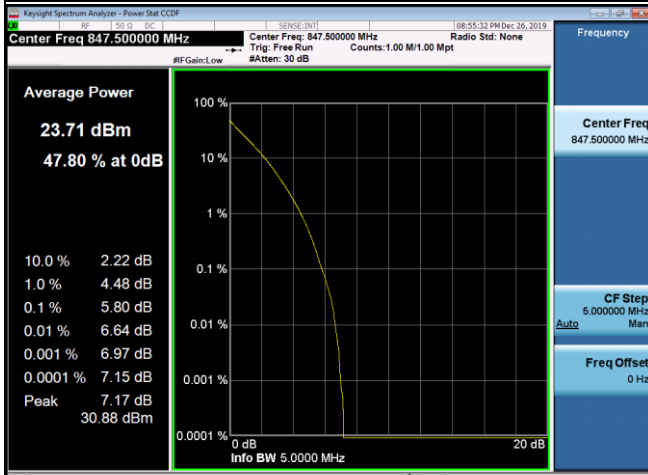
### QPSK-20415



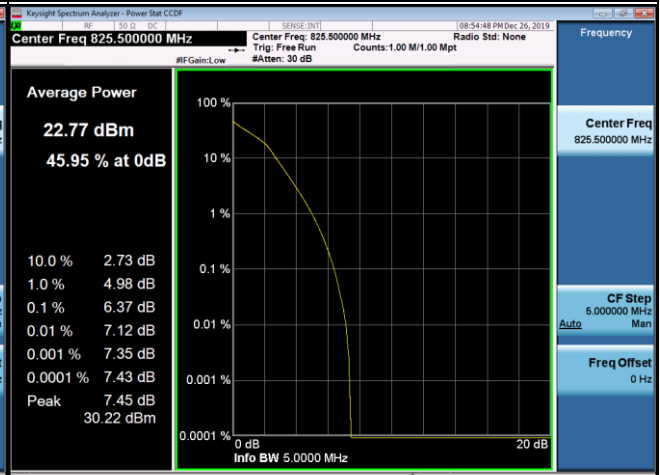
### QPSK-20525



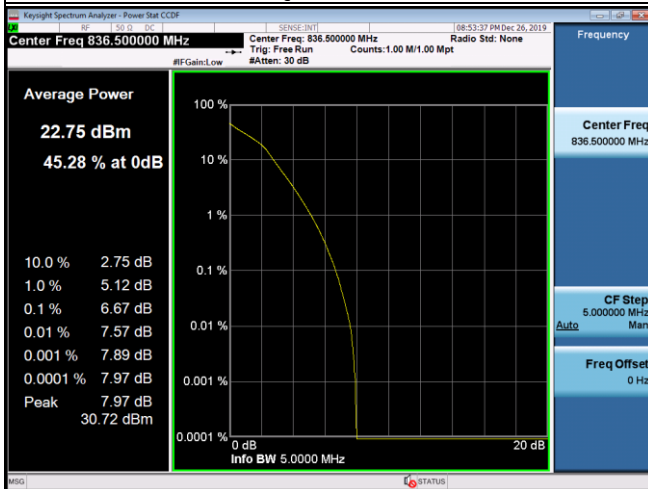
### QPSK-20635



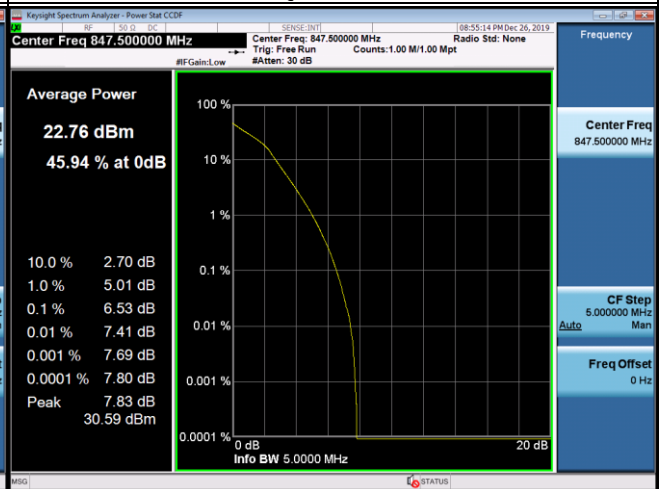
### 16QAM-20415



### 16QAM-20525

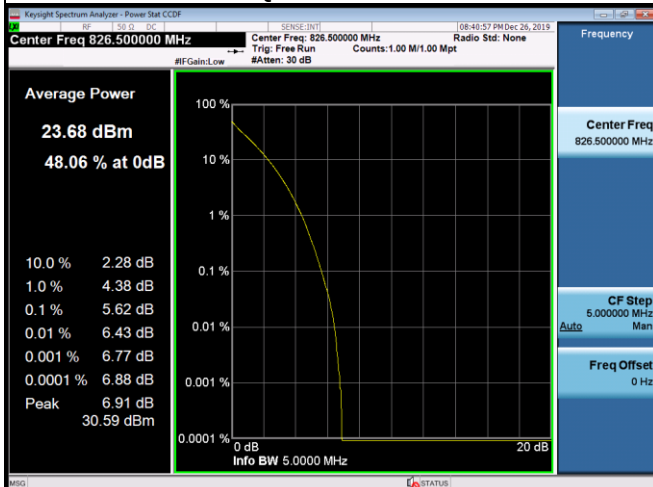


### 16QAM-20635

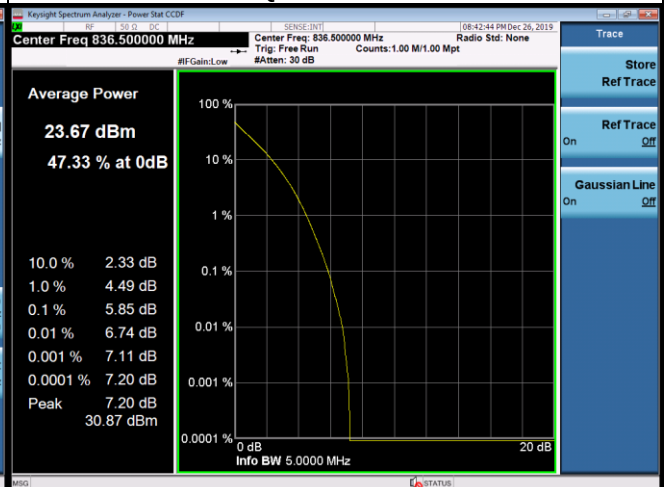


## LTE Band 5\_5M Spectrum Plot

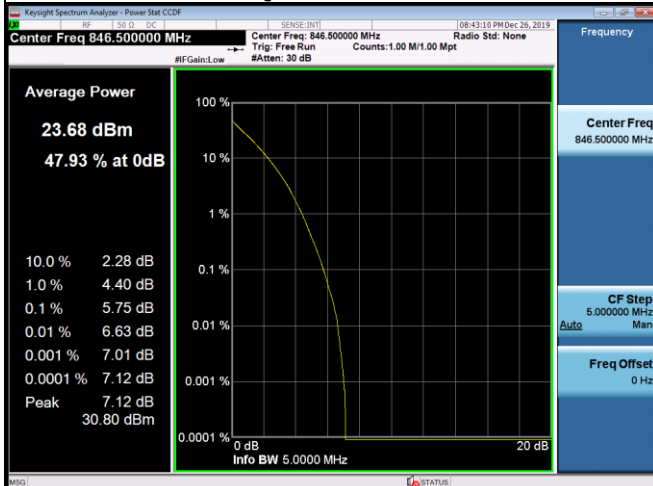
### QPSK-20425



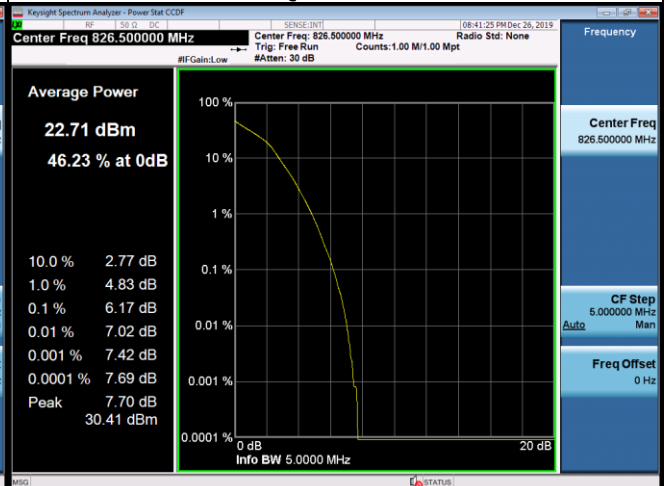
### QPSK-20525



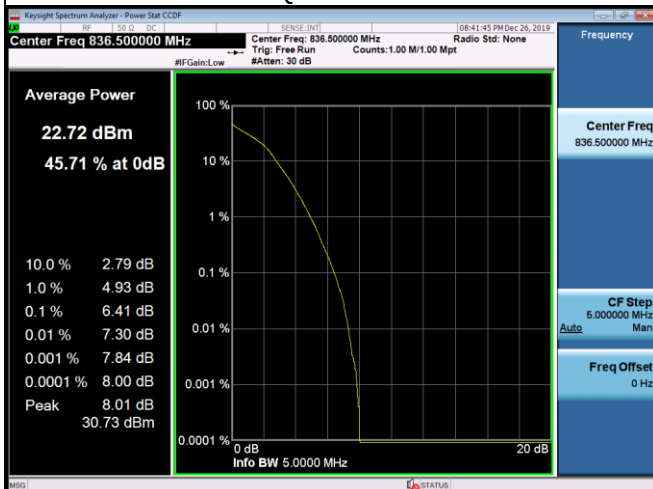
### QPSK-20625



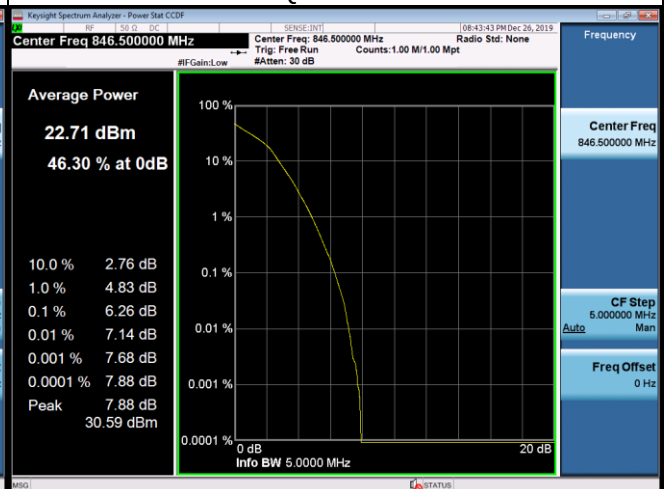
### 16QAM-20425



### 16QAM-20525



### 16QAM-20625



## LTE Band 5\_10M Spectrum Plot



## APPENDIX H - FREQUENCY STABILITY



|           |                                          |
|-----------|------------------------------------------|
| Test Mode | WCDMA Band V_CH4182 & LTE Band 5_CH20525 |
|-----------|------------------------------------------|

### Temperature vs. Frequency Stability

| Temp | Frequency Error(ppm) |           |         |         |         | Limit(ppm) |
|------|----------------------|-----------|---------|---------|---------|------------|
|      | WCDMA                | LTE Band5 |         |         |         |            |
|      |                      | 1.4MHz    | 3MHz    | 5MHz    | 10MHz   |            |
| -40  | 0.0025               | 0.0102    | 0.0107  | 0.0099  | 0.0094  | 2.5        |
| -30  | 0.0024               | 0.0088    | 0.0092  | 0.0086  | 0.0083  | 2.5        |
| -20  | 0.0029               | 0.0097    | 0.009   | 0.0067  | 0.0069  | 2.5        |
| -10  | 0.0025               | 0.0081    | 0.0082  | 0.0076  | 0.0057  | 2.5        |
| 0    | 0.0028               | 0.0066    | 0.0059  | 0.005   | 0.0064  | 2.5        |
| 10   | 0.0028               | 0.0047    | 0.0051  | 0.0045  | 0.0049  | 2.5        |
| 20   | 0.0029               | 0.0028    | 0.0034  | 0.0029  | 0.0023  | 2.5        |
| 30   | 0.0026               | 0.0016    | 0.0018  | 0.0006  | 0.0013  | 2.5        |
| 40   | 0.0025               | 0.0009    | -0.0002 | -0.0009 | -0.0003 | 2.5        |
| 50   | 0.0029               | -0.0009   | -0.0031 | -0.0021 | -0.0016 | 2.5        |
| 60   | 0.0024               | -0.0017   | -0.0026 | -0.0034 | -0.0029 | 2.5        |
| 70   | 0.0027               | -0.0021   | -0.0049 | -0.0051 | -0.0042 | 2.5        |
| 80   | 0.0025               | -0.0037   | -0.0059 | -0.0044 | -0.0038 | 2.5        |
| 90   | 0.0029               | -0.0052   | -0.0067 | -0.0063 | -0.0056 | 2.5        |
| 100  | 0.003                | -0.0066   | -0.0081 | -0.0072 | -0.0072 | 2.5        |
| 105  | 0.0027               | -0.0079   | -0.0087 | -0.0089 | -0.0079 | 2.5        |

### Voltage vs. Frequency Stability

| Voltage        | Frequency Error(ppm) |           |        |        |        | Limit(ppm) |
|----------------|----------------------|-----------|--------|--------|--------|------------|
|                | WCDMA                | LTE Band5 |        |        |        |            |
|                |                      | 1.4MHz    | 3MHz   | 5MHz   | 10MHz  |            |
| High Voltage   | 0.003                | 0.0028    | 0.0037 | 0.0033 | 0.0028 | 2.5        |
| Normal Voltage | 0.0027               | 0.0026    | 0.0037 | 0.0031 | 0.0026 | 2.5        |
| Low Voltage    | 0.0026               | 0.0025    | 0.0035 | 0.0031 | 0.0025 | 2.5        |

End of Test Report