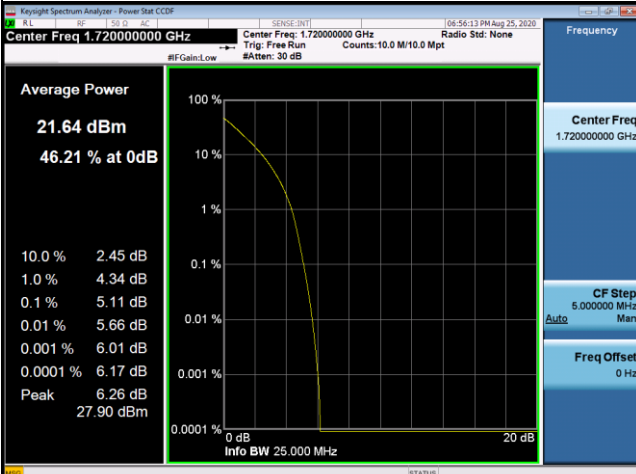


## LTE Band 4\_15M Spectrum Plot

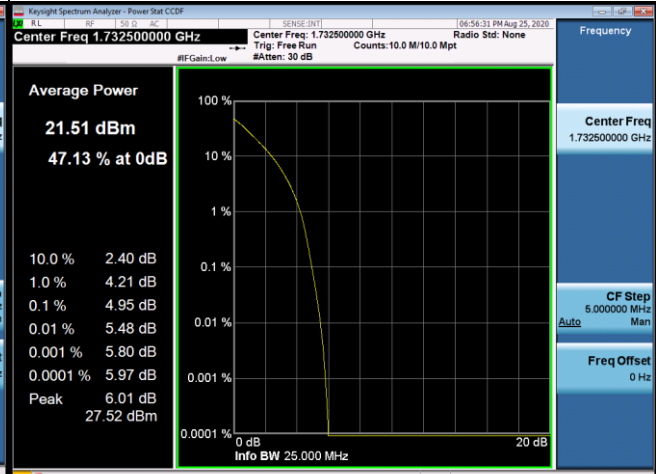


## LTE Band 4\_20M Spectrum Plot

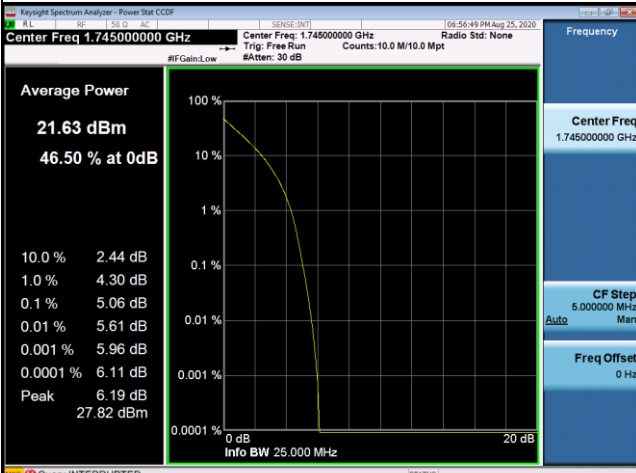
### QPSK-20050



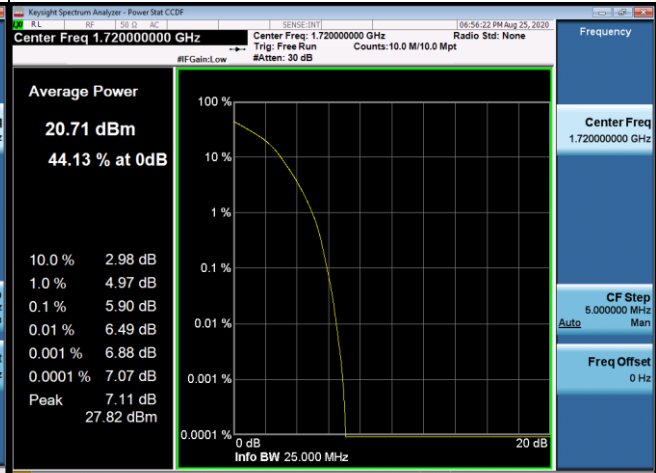
### QPSK-20175



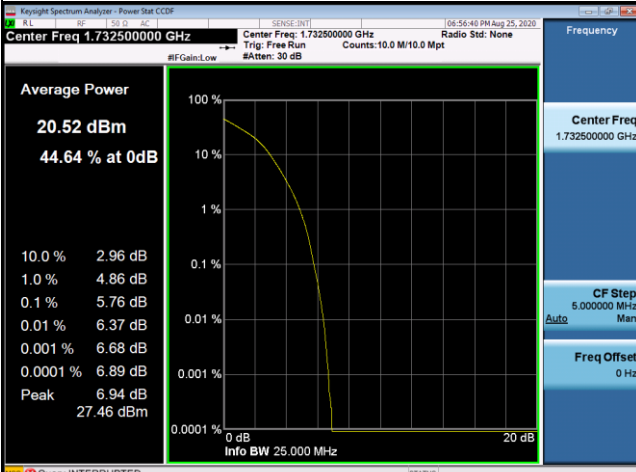
### QPSK-20300



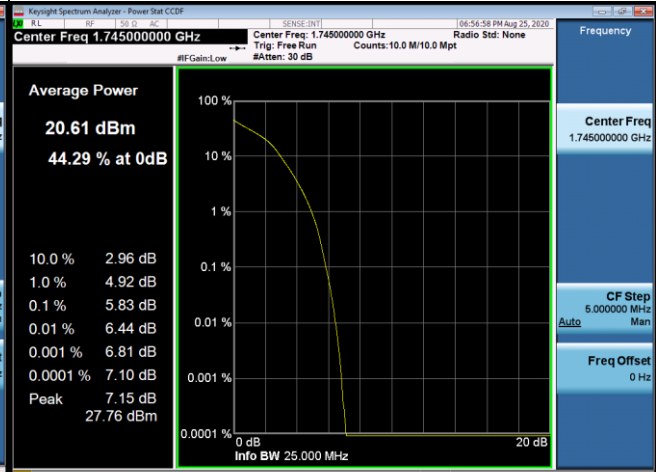
### 16QAM-20050



### 16QAM-20175



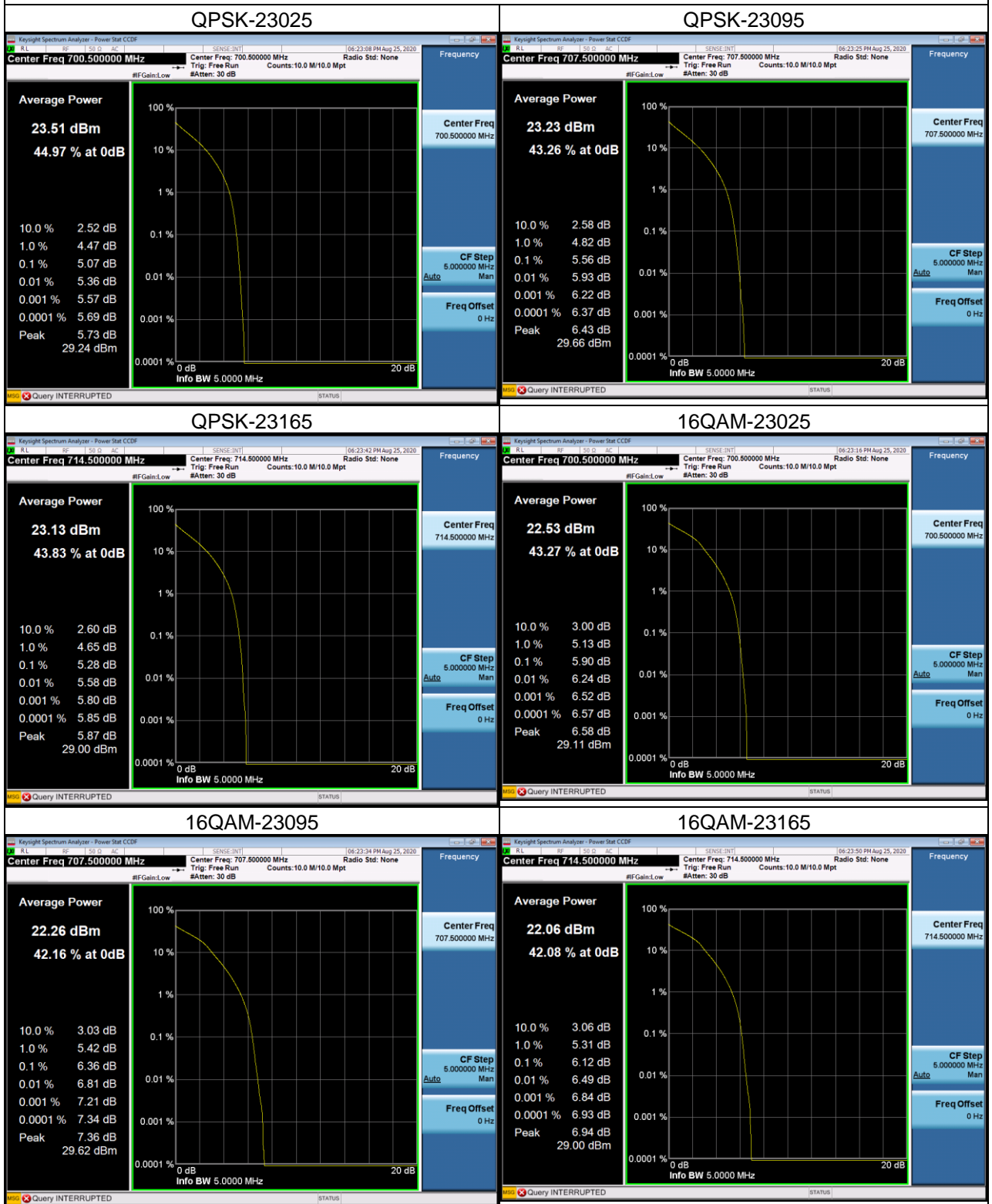
### 16QAM-20300



## LTE Band 12\_1.4M Spectrum Plot



## LTE Band 12\_3M Spectrum Plot



## LTE Band 12\_5M Spectrum Plot



## LTE Band 12\_10M Spectrum Plot



## APPENDIX G FREQUENCY STABILITY

|           |  |
|-----------|--|
| Test Mode | WCDMA Band IV & LTE Band 4 & LTE Band 12 |
|-----------|--|

| Voltage        | Frequency Error(ppm) |           |         |         |         |         |         |            |         |         |         | Limit(ppm) |
|----------------|----------------------|-----------|---------|---------|---------|---------|---------|------------|---------|---------|---------|------------|
|                | WCDMA Band4          | LTE Band4 |         |         |         |         |         | LTE Band12 |         |         |         |            |
|                |                      | 1.4MHz    | 3MHz    | 5MHz    | 10MHz   | 15MHz   | 20MHz   | 1.4MHz     | 3MHz    | 5MHz    | 10MHz   |            |
| High Voltage   | -0.023               | -0.0011   | -0.0012 | 0.003   | -0.0036 | 0.0024  | -0.0034 | 0.0006     | 0.0011  | 0.0039  | 0.0009  | 2.5        |
| Normal Voltage | -0.0052              | -0.006    | -0.0039 | 0.0006  | 0.0011  | -0.0031 | -0.0017 | -0.0029    | -0.0023 | -0.0023 | 0.0026  | 2.5        |
| Low Voltage    | -0.0023              | -0.0023   | 0.0014  | -0.0017 | -0.0024 | -0.0009 | 0.0024  | 0.0017     | -0.004  | 0.0035  | -0.0019 | 2.5        |

| Temp | Frequency Error(ppm) |           |         |         |         |         |         |            |         |         |         | Limit(ppm) |
|------|----------------------|-----------|---------|---------|---------|---------|---------|------------|---------|---------|---------|------------|
|      | WCDMA Band4          | LTE Band4 |         |         |         |         |         | LTE Band12 |         |         |         |            |
|      |                      | 1.4MHz    | 3MHz    | 5MHz    | 10MHz   | 15MHz   | 20MHz   | 1.4MHz     | 3MHz    | 5MHz    | 10MHz   |            |
| -30  | -0.0019              | 0.0028    | -0.0001 | -0.0016 | 0.0021  | -0.0041 | 0.0003  | -0.0031    | -0.0022 | 0.0030  | -0.0037 | 2.5        |
| -20  | -0.0032              | -0.0042   | 0.0005  | -0.0031 | -0.0013 | 0.0013  | -0.0021 | 0.0020     | 0.0041  | -0.0012 | -0.0068 | 2.5        |
| -10  | -0.0003              | -0.0011   | 0.0039  | 0.0004  | 0.0061  | -0.0017 | -0.0023 | 0.0036     | -0.0024 | 0.0039  | 0.0032  | 2.5        |
| 0    | 0.0022               | 0.0052    | 0.0061  | 0.0034  | 0.0053  | -0.0032 | -0.0031 | -0.0012    | -0.0039 | -0.0052 | 0.0071  | 2.5        |
| 10   | 0.004                | 0.0029    | -0.0013 | 0.0063  | -0.0008 | 0.0010  | -0.0050 | -0.0052    | -0.0009 | 0.0042  | 0.0030  | 2.5        |
| 20   | 0.0036               | -0.0021   | 0.0012  | 0.0025  | -0.0044 | -0.0031 | -0.0031 | -0.0071    | 0.0032  | 0.0070  | -0.0004 | 2.5        |
| 30   | -0.0026              | 0.0035    | -0.0035 | -0.0011 | -0.0056 | -0.0001 | 0.0053  | 0.0039     | -0.0051 | -0.0018 | -0.0026 | 2.5        |
| 40   | 0.0057               | -0.0054   | -0.0053 | 0.0041  | 0.0026  | 0.0031  | 0.0075  | 0.0053     | -0.0032 | -0.0029 | 0.0027  | 2.5        |
| 50   | 0.0064               | 0.0052    | -0.0041 | 0.0071  | 0.0055  | -0.0054 | -0.0029 | 0.0042     | -0.0069 | -0.0012 | 0.0049  | 2.5        |

End of Test Report