

# Appendix for Band 17

Report No.: BCTC2407326662-6E

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Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

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Product Name: Smart phone

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Test Model: S2

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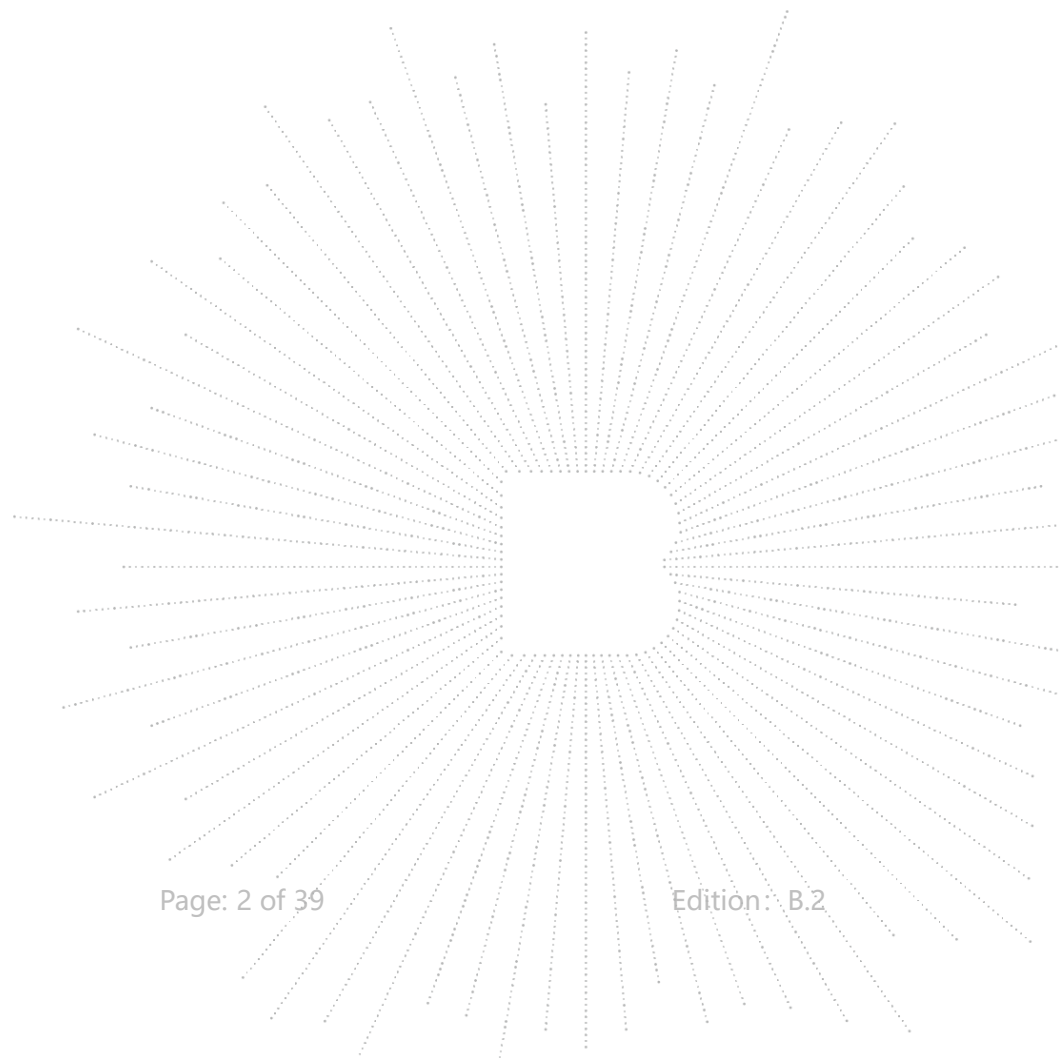
Tested Date: 2024-07-15 to 2024-08-12

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**Shenzhen BCTC Testing Co., Ltd.**

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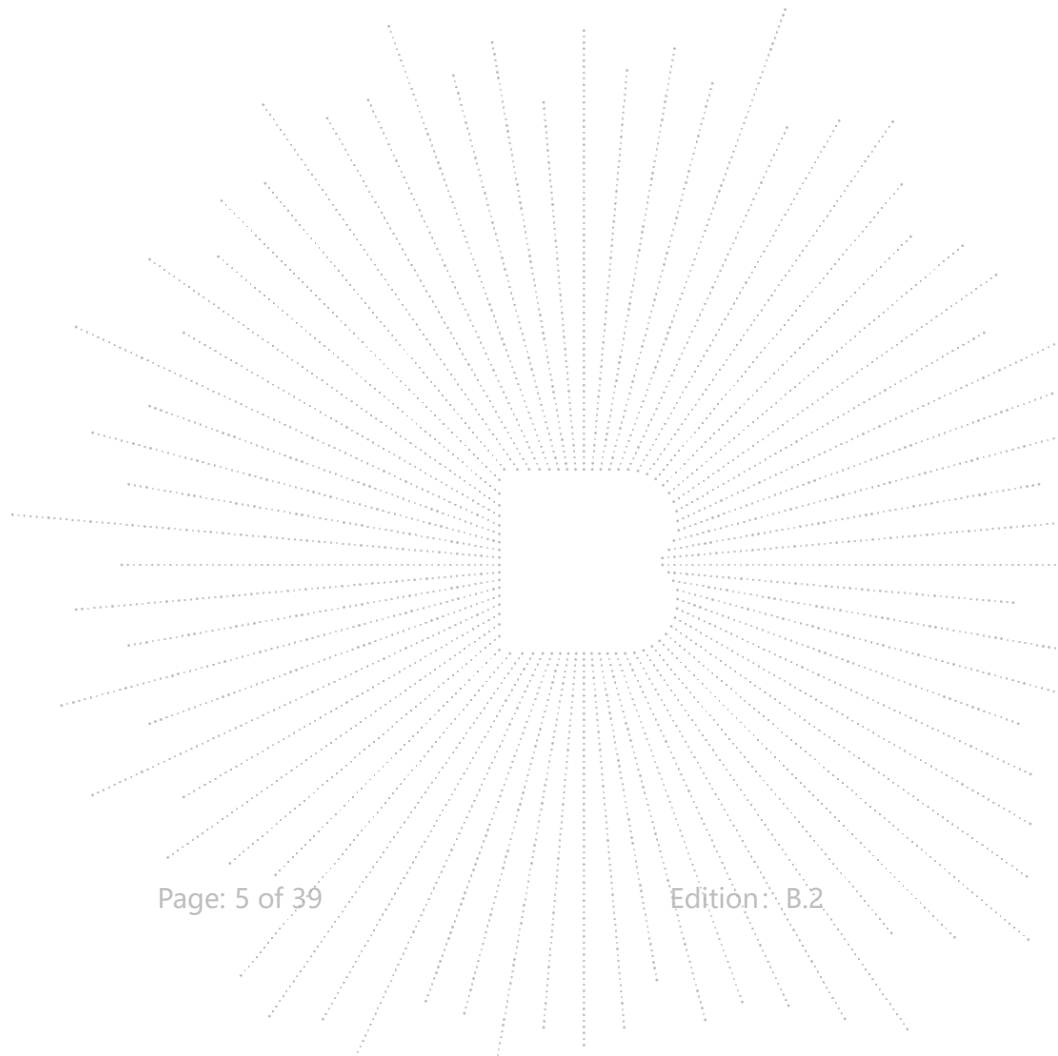


## Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | ERP<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|---------------|--------------|---------|
| Band17 | 5                  | 23755         | 1          | #0             | QPSK       | 23.21          | -2.67         | 18.39        | PASS    |
| Band17 | 5                  | 23755         | 1          | #Mid           | QPSK       | 23.64          | -2.67         | 18.82        | PASS    |
| Band17 | 5                  | 23755         | 1          | #Max           | QPSK       | 23.27          | -2.67         | 18.45        | PASS    |
| Band17 | 5                  | 23755         | 12         | #0             | QPSK       | 22.24          | -2.67         | 17.42        | PASS    |
| Band17 | 5                  | 23755         | 12         | #Mid           | QPSK       | 22.45          | -2.67         | 17.63        | PASS    |
| Band17 | 5                  | 23755         | 12         | #Max           | QPSK       | 22.47          | -2.67         | 17.65        | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | 22.39          | -2.67         | 17.57        | PASS    |
| Band17 | 5                  | 23755         | 1          | #0             | 16QAM      | 22.80          | -2.67         | 17.98        | PASS    |
| Band17 | 5                  | 23755         | 1          | #Mid           | 16QAM      | 23.21          | -2.67         | 18.39        | PASS    |
| Band17 | 5                  | 23755         | 1          | #Max           | 16QAM      | 22.74          | -2.67         | 17.92        | PASS    |
| Band17 | 5                  | 23755         | 12         | #0             | 16QAM      | 21.35          | -2.67         | 16.53        | PASS    |
| Band17 | 5                  | 23755         | 12         | #Mid           | 16QAM      | 21.46          | -2.67         | 16.64        | PASS    |
| Band17 | 5                  | 23755         | 12         | #Max           | 16QAM      | 21.50          | -2.67         | 16.68        | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | 21.43          | -2.67         | 16.61        | PASS    |
| Band17 | 5                  | 23790         | 1          | #0             | QPSK       | 23.28          | -2.67         | 18.46        | PASS    |
| Band17 | 5                  | 23790         | 1          | #Mid           | QPSK       | 23.67          | -2.67         | 18.85        | PASS    |
| Band17 | 5                  | 23790         | 1          | #Max           | QPSK       | 23.28          | -2.67         | 18.46        | PASS    |
| Band17 | 5                  | 23790         | 12         | #0             | QPSK       | 22.30          | -2.67         | 17.48        | PASS    |
| Band17 | 5                  | 23790         | 12         | #Mid           | QPSK       | 22.41          | -2.67         | 17.59        | PASS    |
| Band17 | 5                  | 23790         | 12         | #Max           | QPSK       | 22.21          | -2.67         | 17.39        | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | 22.30          | -2.67         | 17.48        | PASS    |
| Band17 | 5                  | 23790         | 1          | #0             | 16QAM      | 22.54          | -2.67         | 17.72        | PASS    |
| Band17 | 5                  | 23790         | 1          | #Mid           | 16QAM      | 23.04          | -2.67         | 18.22        | PASS    |
| Band17 | 5                  | 23790         | 1          | #Max           | 16QAM      | 22.62          | -2.67         | 17.80        | PASS    |
| Band17 | 5                  | 23790         | 12         | #0             | 16QAM      | 21.28          | -2.67         | 16.46        | PASS    |
| Band17 | 5                  | 23790         | 12         | #Mid           | 16QAM      | 21.43          | -2.67         | 16.61        | PASS    |
| Band17 | 5                  | 23790         | 12         | #Max           | 16QAM      | 21.20          | -2.67         | 16.38        | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | 21.37          | -2.67         | 16.55        | PASS    |
| Band17 | 5                  | 23825         | 1          | #0             | QPSK       | 23.17          | -2.67         | 18.35        | PASS    |
| Band17 | 5                  | 23825         | 1          | #Mid           | QPSK       | 23.48          | -2.67         | 18.66        | PASS    |
| Band17 | 5                  | 23825         | 1          | #Max           | QPSK       | 22.93          | -2.67         | 18.11        | PASS    |
| Band17 | 5                  | 23825         | 12         | #0             | QPSK       | 22.28          | -2.67         | 17.46        | PASS    |
| Band17 | 5                  | 23825         | 12         | #Mid           | QPSK       | 22.37          | -2.67         | 17.55        | PASS    |
| Band17 | 5                  | 23825         | 12         | #Max           | QPSK       | 21.95          | -2.67         | 17.13        | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | 22.04          | -2.67         | 17.22        | PASS    |

|        |    |       |    |      |       |       |       |       |      |
|--------|----|-------|----|------|-------|-------|-------|-------|------|
| Band17 | 5  | 23825 | 1  | #0   | 16QAM | 22.21 | -2.67 | 17.39 | PASS |
| Band17 | 5  | 23825 | 1  | #Mid | 16QAM | 22.78 | -2.67 | 17.96 | PASS |
| Band17 | 5  | 23825 | 1  | #Max | 16QAM | 22.06 | -2.67 | 17.24 | PASS |
| Band17 | 5  | 23825 | 12 | #0   | 16QAM | 21.08 | -2.67 | 16.26 | PASS |
| Band17 | 5  | 23825 | 12 | #Mid | 16QAM | 21.00 | -2.67 | 16.18 | PASS |
| Band17 | 5  | 23825 | 12 | #Max | 16QAM | 20.89 | -2.67 | 16.07 | PASS |
| Band17 | 5  | 23825 | 25 | #0   | 16QAM | 20.96 | -2.67 | 16.14 | PASS |
| Band17 | 10 | 23780 | 1  | #0   | QPSK  | 22.85 | -2.67 | 18.03 | PASS |
| Band17 | 10 | 23780 | 1  | #Mid | QPSK  | 23.02 | -2.67 | 18.20 | PASS |
| Band17 | 10 | 23780 | 1  | #Max | QPSK  | 22.75 | -2.67 | 17.93 | PASS |
| Band17 | 10 | 23780 | 25 | #0   | QPSK  | 21.76 | -2.67 | 16.94 | PASS |
| Band17 | 10 | 23780 | 25 | #Mid | QPSK  | 22.21 | -2.67 | 17.39 | PASS |
| Band17 | 10 | 23780 | 25 | #Max | QPSK  | 21.87 | -2.67 | 17.05 | PASS |
| Band17 | 10 | 23780 | 50 | #0   | QPSK  | 21.78 | -2.67 | 16.96 | PASS |
| Band17 | 10 | 23780 | 1  | #0   | 16QAM | 22.26 | -2.67 | 17.44 | PASS |
| Band17 | 10 | 23780 | 1  | #Mid | 16QAM | 22.45 | -2.67 | 17.63 | PASS |
| Band17 | 10 | 23780 | 1  | #Max | 16QAM | 22.28 | -2.67 | 17.46 | PASS |
| Band17 | 10 | 23780 | 25 | #0   | 16QAM | 20.81 | -2.67 | 15.99 | PASS |
| Band17 | 10 | 23780 | 25 | #Mid | 16QAM | 21.01 | -2.67 | 16.19 | PASS |
| Band17 | 10 | 23780 | 25 | #Max | 16QAM | 20.92 | -2.67 | 16.10 | PASS |
| Band17 | 10 | 23780 | 50 | #0   | 16QAM | 20.83 | -2.67 | 16.01 | PASS |
| Band17 | 10 | 23790 | 1  | #0   | QPSK  | 22.82 | -2.67 | 18.00 | PASS |
| Band17 | 10 | 23790 | 1  | #Mid | QPSK  | 23.01 | -2.67 | 18.19 | PASS |
| Band17 | 10 | 23790 | 1  | #Max | QPSK  | 22.80 | -2.67 | 17.98 | PASS |
| Band17 | 10 | 23790 | 25 | #0   | QPSK  | 21.81 | -2.67 | 16.99 | PASS |
| Band17 | 10 | 23790 | 25 | #Mid | QPSK  | 22.09 | -2.67 | 17.27 | PASS |
| Band17 | 10 | 23790 | 25 | #Max | QPSK  | 21.75 | -2.67 | 16.93 | PASS |
| Band17 | 10 | 23790 | 50 | #0   | QPSK  | 21.84 | -2.67 | 17.02 | PASS |
| Band17 | 10 | 23790 | 1  | #0   | 16QAM | 22.07 | -2.67 | 17.25 | PASS |
| Band17 | 10 | 23790 | 1  | #Mid | 16QAM | 22.23 | -2.67 | 17.41 | PASS |
| Band17 | 10 | 23790 | 1  | #Max | 16QAM | 22.05 | -2.67 | 17.23 | PASS |
| Band17 | 10 | 23790 | 25 | #0   | 16QAM | 20.83 | -2.67 | 16.01 | PASS |
| Band17 | 10 | 23790 | 25 | #Mid | 16QAM | 20.99 | -2.67 | 16.17 | PASS |
| Band17 | 10 | 23790 | 25 | #Max | 16QAM | 20.73 | -2.67 | 15.91 | PASS |
| Band17 | 10 | 23790 | 50 | #0   | 16QAM | 20.84 | -2.67 | 16.02 | PASS |
| Band17 | 10 | 23800 | 1  | #0   | QPSK  | 22.85 | -2.67 | 18.03 | PASS |
| Band17 | 10 | 23800 | 1  | #Mid | QPSK  | 23.09 | -2.67 | 18.27 | PASS |
| Band17 | 10 | 23800 | 1  | #Max | QPSK  | 22.84 | -2.67 | 18.02 | PASS |
| Band17 | 10 | 23800 | 25 | #0   | QPSK  | 21.87 | -2.67 | 17.05 | PASS |
| Band17 | 10 | 23800 | 25 | #Mid | QPSK  | 22.01 | -2.67 | 17.19 | PASS |
| Band17 | 10 | 23800 | 25 | #Max | QPSK  | 21.75 | -2.67 | 16.93 | PASS |
| Band17 | 10 | 23800 | 50 | #0   | QPSK  | 21.87 | -2.67 | 17.05 | PASS |

|        |    |       |    |      |       |       |       |       |      |
|--------|----|-------|----|------|-------|-------|-------|-------|------|
| Band17 | 10 | 23800 | 1  | #0   | 16QAM | 21.76 | -2.67 | 16.94 | PASS |
| Band17 | 10 | 23800 | 1  | #Mid | 16QAM | 21.95 | -2.67 | 17.13 | PASS |
| Band17 | 10 | 23800 | 1  | #Max | 16QAM | 21.69 | -2.67 | 16.87 | PASS |
| Band17 | 10 | 23800 | 25 | #0   | 16QAM | 20.92 | -2.67 | 16.10 | PASS |
| Band17 | 10 | 23800 | 25 | #Mid | 16QAM | 21.00 | -2.67 | 16.18 | PASS |
| Band17 | 10 | 23800 | 25 | #Max | 16QAM | 20.80 | -2.67 | 15.98 | PASS |
| Band17 | 10 | 23800 | 50 | #0   | 16QAM | 20.86 | -2.67 | 16.04 | PASS |



## Appendix 2. Frequency stability

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperatue<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | LV               | NT                | -4.95          | -0.007          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | NT                | -5.41          | -0.008          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | HV               | NT                | -5.99          | -0.008          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | LV               | NT                | -1.73          | -0.002          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | NT                | -8.60          | -0.012          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | HV               | NT                | -6.79          | -0.010          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | LV               | NT                | -6.39          | -0.009          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | NT                | -1.50          | -0.002          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | HV               | NT                | -5.81          | -0.008          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | LV               | NT                | -4.33          | -0.006          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | NT                | -6.07          | -0.009          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | HV               | NT                | -5.98          | -0.008          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | LV               | NT                | -4.36          | -0.006          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | NV               | NT                | -4.96          | -0.007          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | HV               | NT                | -9.16          | -0.013          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | 16QAM      | LV               | NT                | -5.69          | -0.008          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | 16QAM      | NV               | NT                | -5.08          | -0.007          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | 16QAM      | HV               | NT                | -7.30          | -0.010          | PASS    |
| Band17 | 10                 | 23780         | 50         | #0             | QPSK       | LV               | NT                | -6.32          | -0.009          | PASS    |
| Band17 | 10                 | 23780         | 50         | #0             | QPSK       | NV               | NT                | -8.00          | -0.011          | PASS    |
| Band17 | 10                 | 23780         | 50         | #0             | QPSK       | HV               | NT                | -5.48          | -0.008          | PASS    |
| Band17 | 10                 | 23780         | 50         | #0             | 16QAM      | LV               | NT                | -5.21          | -0.007          | PASS    |
| Band17 | 10                 | 23780         | 50         | #0             | 16QAM      | NV               | NT                | -4.66          | -0.007          | PASS    |
| Band17 | 10                 | 23780         | 50         | #0             | 16QAM      | HV               | NT                | -4.32          | -0.006          | PASS    |
| Band17 | 10                 | 23790         | 50         | #0             | QPSK       | LV               | NT                | -5.79          | -0.008          | PASS    |
| Band17 | 10                 | 23790         | 50         | #0             | QPSK       | NV               | NT                | -4.69          | -0.007          | PASS    |
| Band17 | 10                 | 23790         | 50         | #0             | QPSK       | HV               | NT                | -6.37          | -0.009          | PASS    |
| Band17 | 10                 | 23790         | 50         | #0             | 16QAM      | LV               | NT                | -5.82          | -0.008          | PASS    |
| Band17 | 10                 | 23790         | 50         | #0             | 16QAM      | NV               | NT                | -4.08          | -0.006          | PASS    |
| Band17 | 10                 | 23790         | 50         | #0             | 16QAM      | HV               | NT                | -6.91          | -0.010          | PASS    |
| Band17 | 10                 | 23800         | 50         | #0             | QPSK       | LV               | NT                | -3.99          | -0.006          | PASS    |
| Band17 | 10                 | 23800         | 50         | #0             | QPSK       | NV               | NT                | -6.74          | -0.009          | PASS    |
| Band17 | 10                 | 23800         | 50         | #0             | QPSK       | HV               | NT                | -8.33          | -0.012          | PASS    |
| Band17 | 10                 | 23800         | 50         | #0             | 16QAM      | LV               | NT                | -6.24          | -0.009          | PASS    |
| Band17 | 10                 | 23800         | 50         | #0             | 16QAM      | NV               | NT                | -4.35          | -0.006          | PASS    |
| Band17 | 10                 | 23800         | 50         | #0             | 16QAM      | HV               | NT                | -4.76          | -0.007          | PASS    |

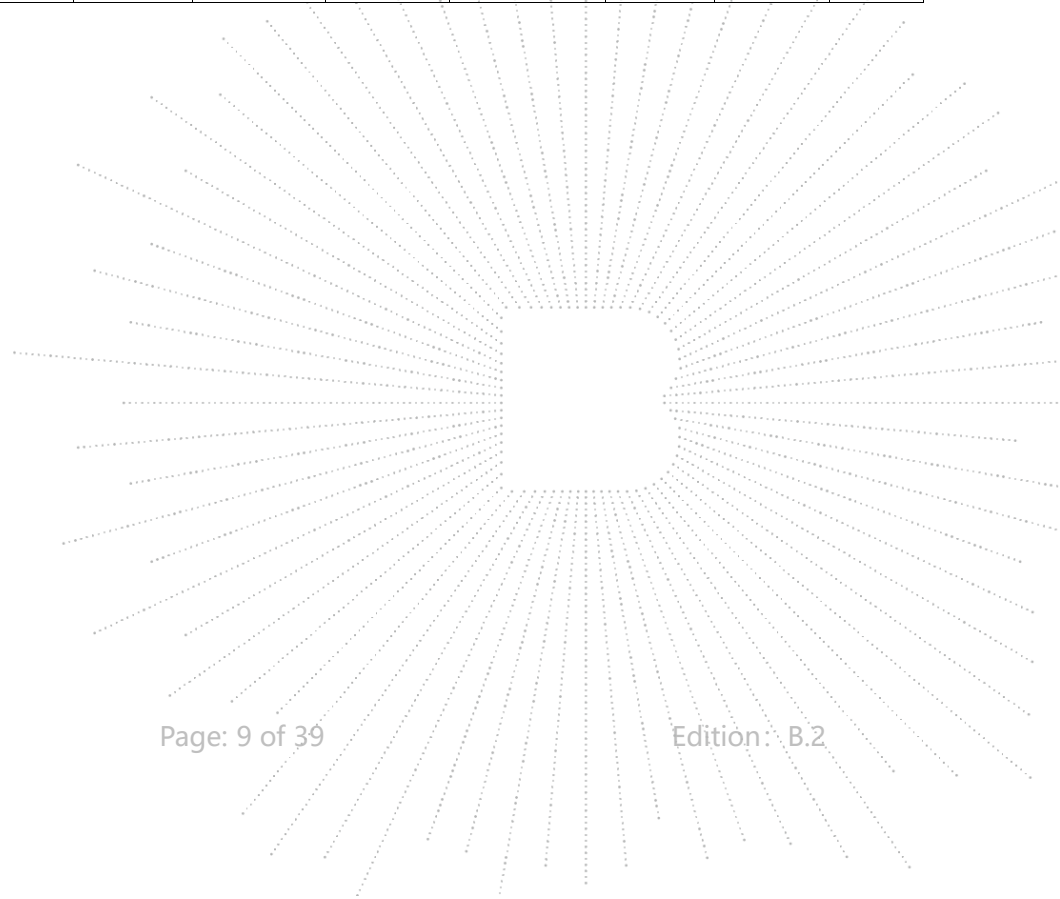
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperature<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|------------------|--------------------|----------------|-----------------|---------|
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | -30                | -8.37          | -0.012          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | -20                | -7.41          | -0.010          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | -10                | -5.66          | -0.008          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | 0                  | -6.54          | -0.009          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | 10                 | -7.08          | -0.010          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | 20                 | -7.27          | -0.010          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | 30                 | -5.49          | -0.008          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | 40                 | -6.94          | -0.010          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | QPSK       | NV               | 50                 | -7.95          | -0.011          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | -30                | -5.15          | -0.007          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | -20                | -6.28          | -0.009          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | -10                | -4.62          | -0.007          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | 0                  | -4.01          | -0.006          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | 10                 | -5.95          | -0.008          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | 20                 | -4.26          | -0.006          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | 30                 | -8.80          | -0.012          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | 40                 | -5.26          | -0.007          | PASS    |
| Band17 | 5                  | 23755         | 25         | #0             | 16QAM      | NV               | 50                 | -4.85          | -0.007          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | -30                | -5.26          | -0.007          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | -20                | -5.42          | -0.008          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | -10                | -7.78          | -0.011          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | 0                  | -6.22          | -0.009          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | 10                 | -6.37          | -0.009          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | 20                 | -4.68          | -0.007          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | 30                 | -5.35          | -0.008          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | 40                 | -4.16          | -0.006          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | QPSK       | NV               | 50                 | -8.24          | -0.012          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | -30                | -5.97          | -0.008          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | -20                | -10.04         | -0.014          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | -10                | -6.08          | -0.009          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | 0                  | -5.65          | -0.008          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | 10                 | -6.09          | -0.009          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | 20                 | -8.80          | -0.012          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | 30                 | -5.08          | -0.007          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | 40                 | -5.54          | -0.008          | PASS    |
| Band17 | 5                  | 23790         | 25         | #0             | 16QAM      | NV               | 50                 | -6.42          | -0.009          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | NV               | -30                | -7.70          | -0.011          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | NV               | -20                | -7.18          | -0.010          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | NV               | -10                | -5.59          | -0.008          | PASS    |
| Band17 | 5                  | 23825         | 25         | #0             | QPSK       | NV               | 0                  | -5.82          | -0.008          | PASS    |



|        |    |       |    |    |       |    |     |       |        |      |
|--------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band17 | 5  | 23825 | 25 | #0 | QPSK  | NV | 10  | -6.55 | -0.009 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | QPSK  | NV | 20  | -8.77 | -0.012 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | QPSK  | NV | 30  | -3.93 | -0.006 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | QPSK  | NV | 40  | -8.40 | -0.012 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | QPSK  | NV | 50  | -5.46 | -0.008 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | -30 | -7.75 | -0.011 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | -20 | -6.21 | -0.009 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | -10 | -7.04 | -0.010 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | 0   | -6.34 | -0.009 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | 10  | -6.82 | -0.010 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | 20  | -7.42 | -0.010 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | 30  | -7.24 | -0.010 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | 40  | -6.55 | -0.009 | PASS |
| Band17 | 5  | 23825 | 25 | #0 | 16QAM | NV | 50  | -6.44 | -0.009 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | -30 | -5.34 | -0.008 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | -20 | -5.32 | -0.008 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | -10 | -4.03 | -0.006 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 0   | -4.76 | -0.007 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 10  | -7.57 | -0.011 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 20  | -7.21 | -0.010 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 30  | -7.50 | -0.011 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 40  | -5.28 | -0.007 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 50  | -6.77 | -0.010 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | -30 | -3.18 | -0.004 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | -20 | -6.35 | -0.009 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | -10 | -4.45 | -0.006 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | 0   | -8.87 | -0.013 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | 10  | -4.84 | -0.007 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | 20  | -5.25 | -0.007 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | 30  | -5.18 | -0.007 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | 40  | -7.17 | -0.010 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | 16QAM | NV | 50  | -5.79 | -0.008 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | -30 | -5.05 | -0.007 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | -20 | -3.60 | -0.005 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | -10 | -3.98 | -0.006 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 0   | -0.01 | 0.000  | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 10  | -4.85 | -0.007 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 20  | -5.61 | -0.008 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 30  | -5.82 | -0.008 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 40  | -6.12 | -0.009 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 50  | -7.71 | -0.011 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | -30 | -6.97 | -0.010 | PASS |



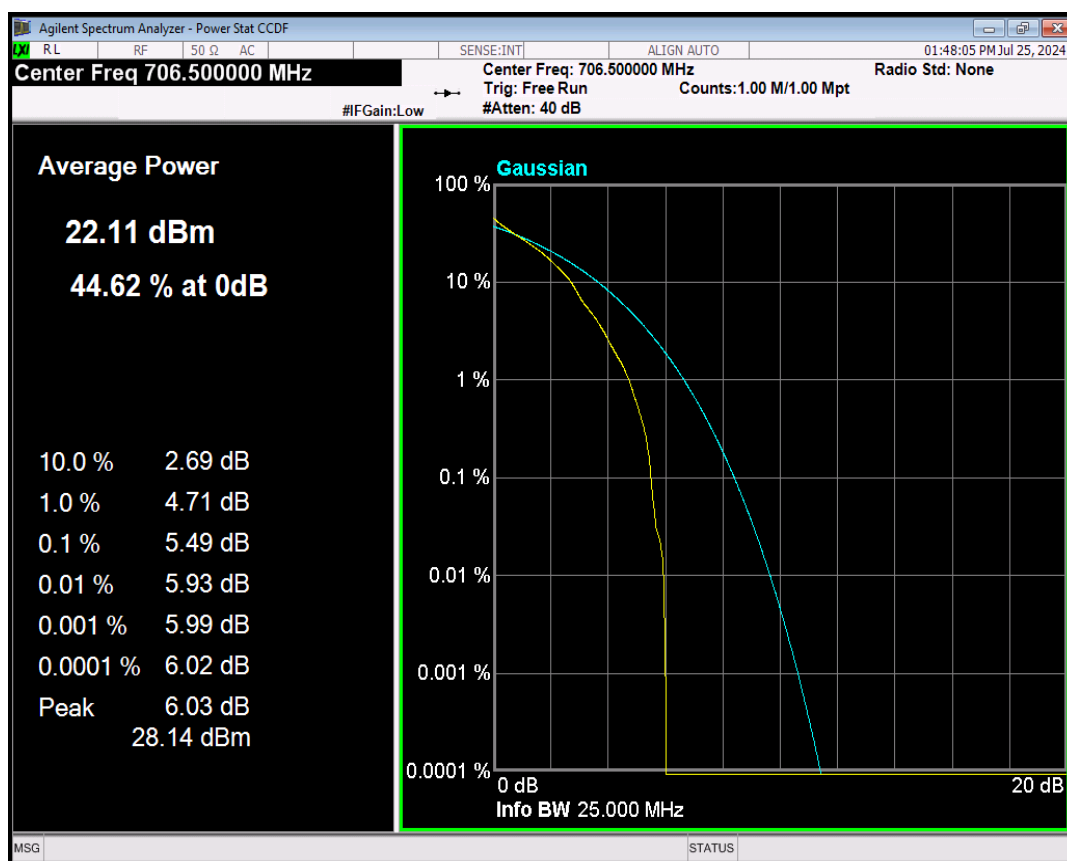
|        |    |       |    |    |       |    |     |       |        |      |
|--------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | -20 | -7.08 | -0.010 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | -10 | -9.08 | -0.013 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | 0   | 0.00  | 0.000  | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | 10  | 0.00  | 0.000  | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | 20  | -6.28 | -0.009 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | 30  | -7.95 | -0.011 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | 40  | -7.20 | -0.010 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | 16QAM | NV | 50  | -7.70 | -0.011 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | -30 | -8.21 | -0.012 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | -20 | -5.95 | -0.008 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | -10 | -8.00 | -0.011 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | 0   | -6.14 | -0.009 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | 10  | -8.61 | -0.012 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | 20  | -5.76 | -0.008 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | 30  | -6.04 | -0.008 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | 40  | -7.12 | -0.010 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | QPSK  | NV | 50  | -4.68 | -0.007 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | -30 | -6.24 | -0.009 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | -20 | -5.68 | -0.008 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | -10 | -6.78 | -0.010 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | 0   | -4.72 | -0.007 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | 10  | -4.92 | -0.007 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | 20  | -4.51 | -0.006 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | 30  | -3.72 | -0.005 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | 40  | -5.15 | -0.007 | PASS |
| Band17 | 10 | 23800 | 50 | #0 | 16QAM | NV | 50  | -4.72 | -0.007 | PASS |



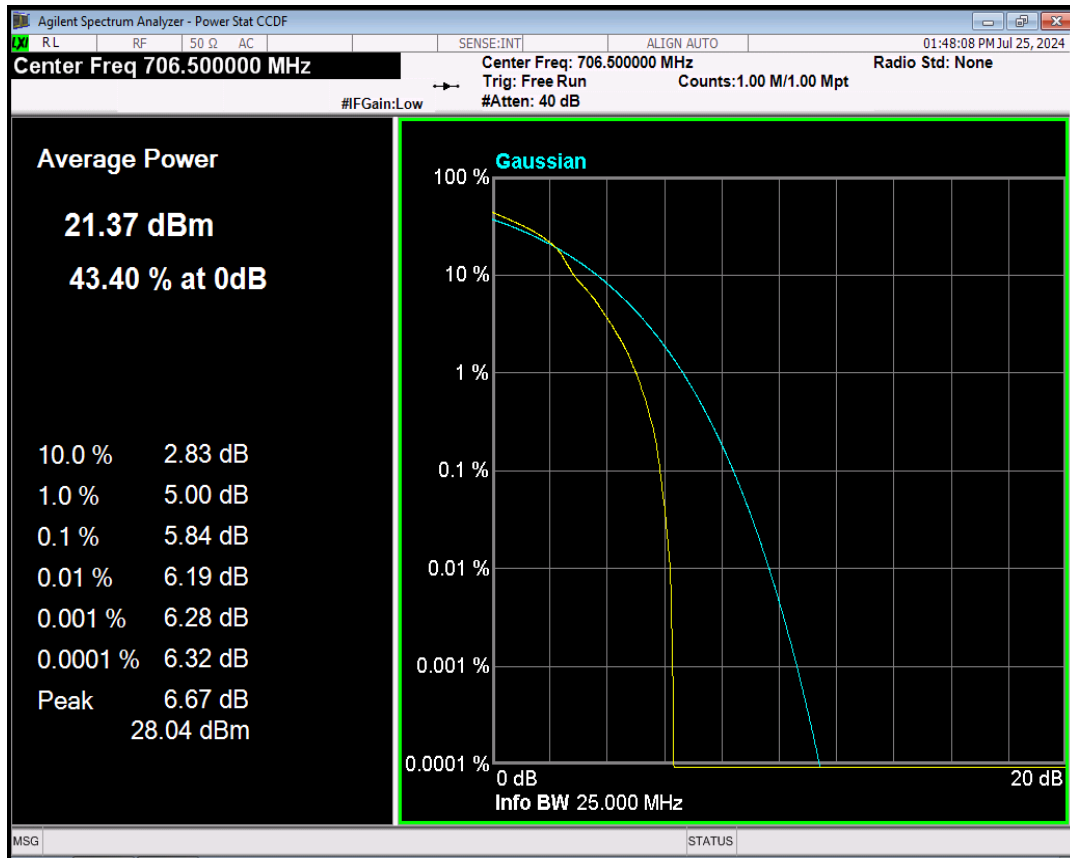
### Appendix 3. Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band17 | 5               | 23755      | 1       | #0          | QPSK       | 5.49        | 13              | PASS    |
| Band17 | 5               | 23755      | 1       | #0          | 16QAM      | 5.84        | 13              | PASS    |
| Band17 | 5               | 23790      | 1       | #0          | QPSK       | 4.02        | 13              | PASS    |
| Band17 | 5               | 23790      | 1       | #0          | 16QAM      | 4.79        | 13              | PASS    |
| Band17 | 5               | 23825      | 1       | #0          | QPSK       | 5.10        | 13              | PASS    |
| Band17 | 5               | 23825      | 1       | #0          | 16QAM      | 5.64        | 13              | PASS    |
| Band17 | 10              | 23780      | 1       | #0          | QPSK       | 5.48        | 13              | PASS    |
| Band17 | 10              | 23780      | 1       | #0          | 16QAM      | 6.30        | 13              | PASS    |
| Band17 | 10              | 23790      | 1       | #0          | QPSK       | 5.12        | 13              | PASS    |
| Band17 | 10              | 23790      | 1       | #0          | 16QAM      | 6.21        | 13              | PASS    |
| Band17 | 10              | 23800      | 1       | #0          | QPSK       | 4.78        | 13              | PASS    |
| Band17 | 10              | 23800      | 1       | #0          | 16QAM      | 5.51        | 13              | PASS    |

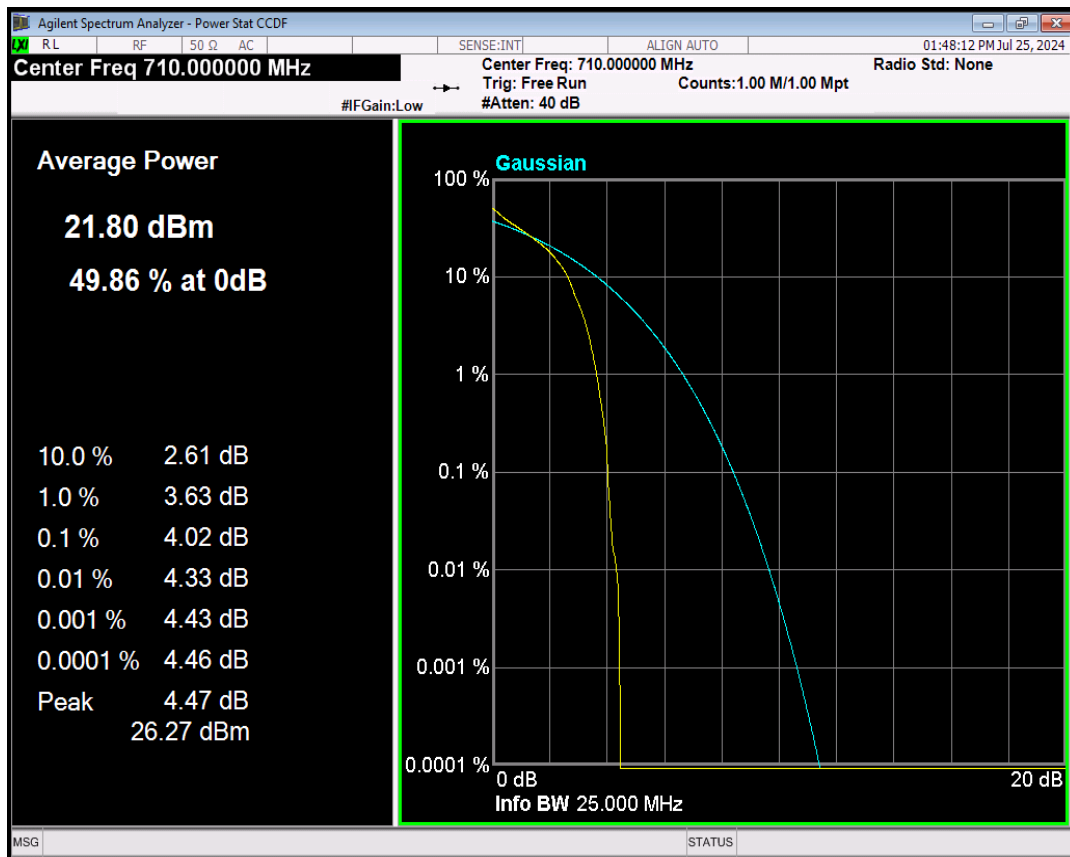
Band17 QPSK BW=5MHz Channel=23755 RB Size=1 Position=#0



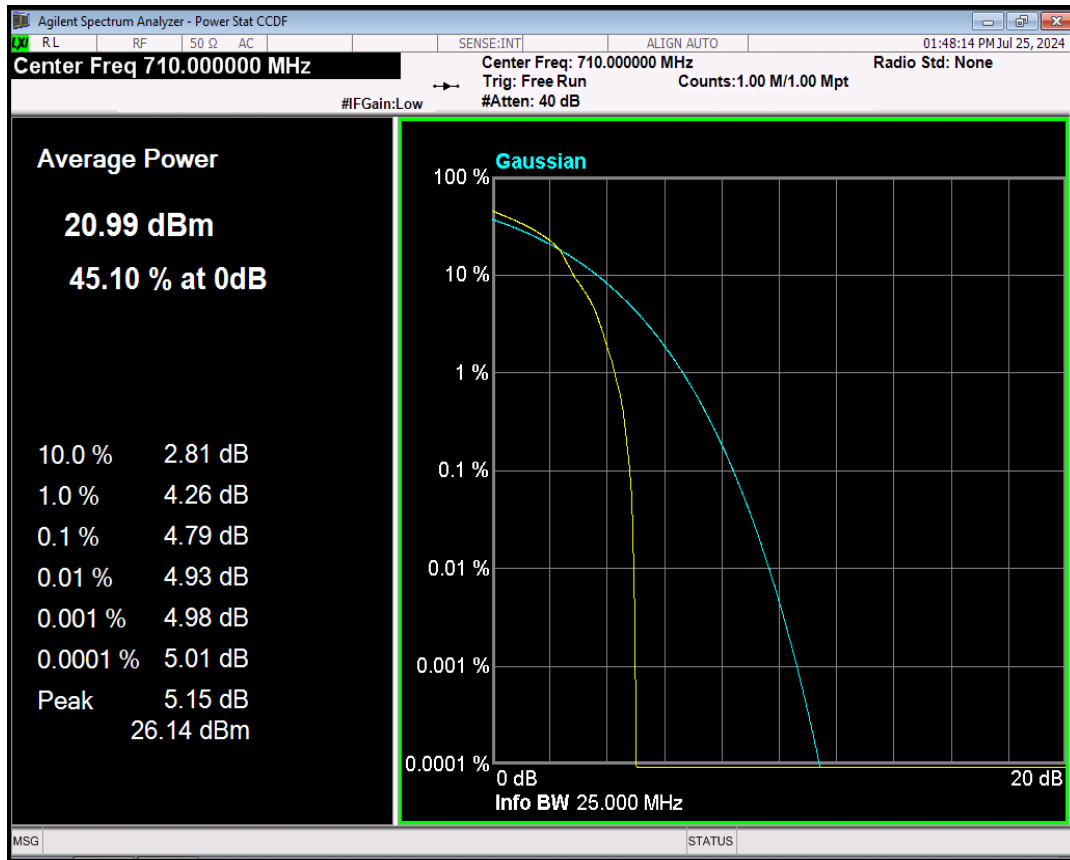
Band17 16QAM BW=5MHz Channel=23755 RB Size=1 Position=#0



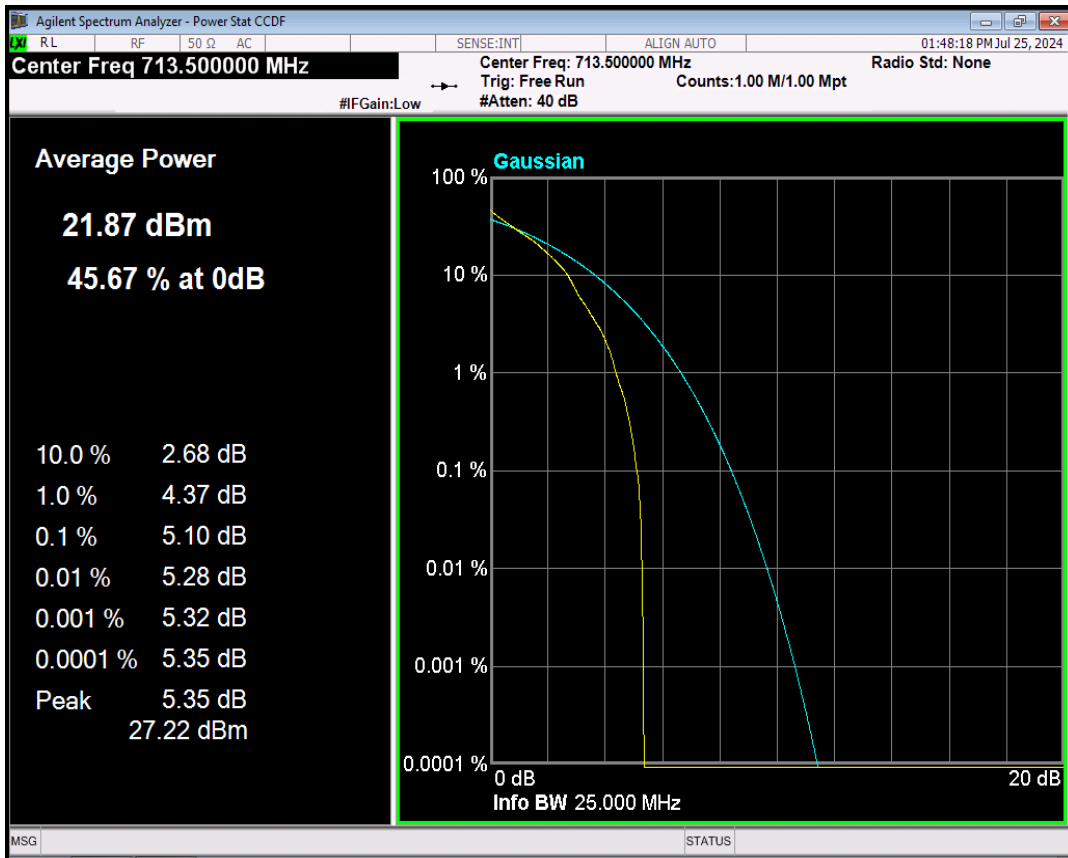
Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0



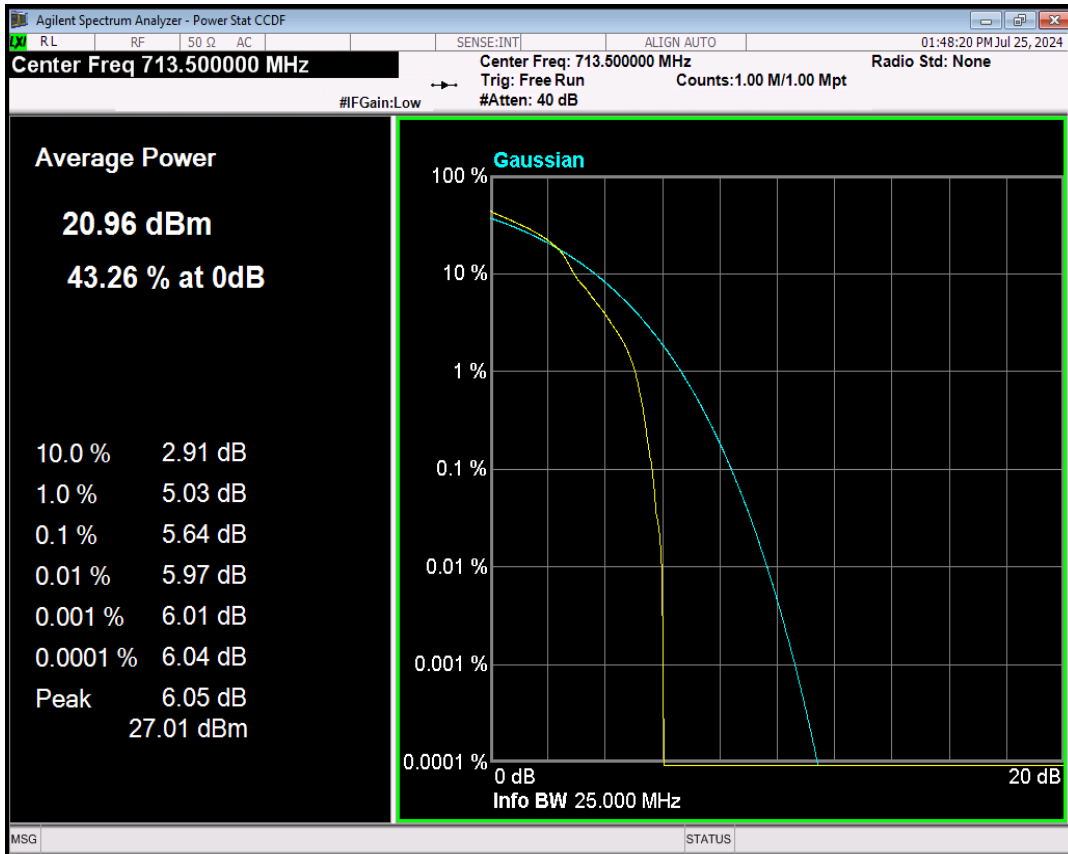
Band17 16QAM BW=5MHz Channel=23790 RB Size=1 Position=#0



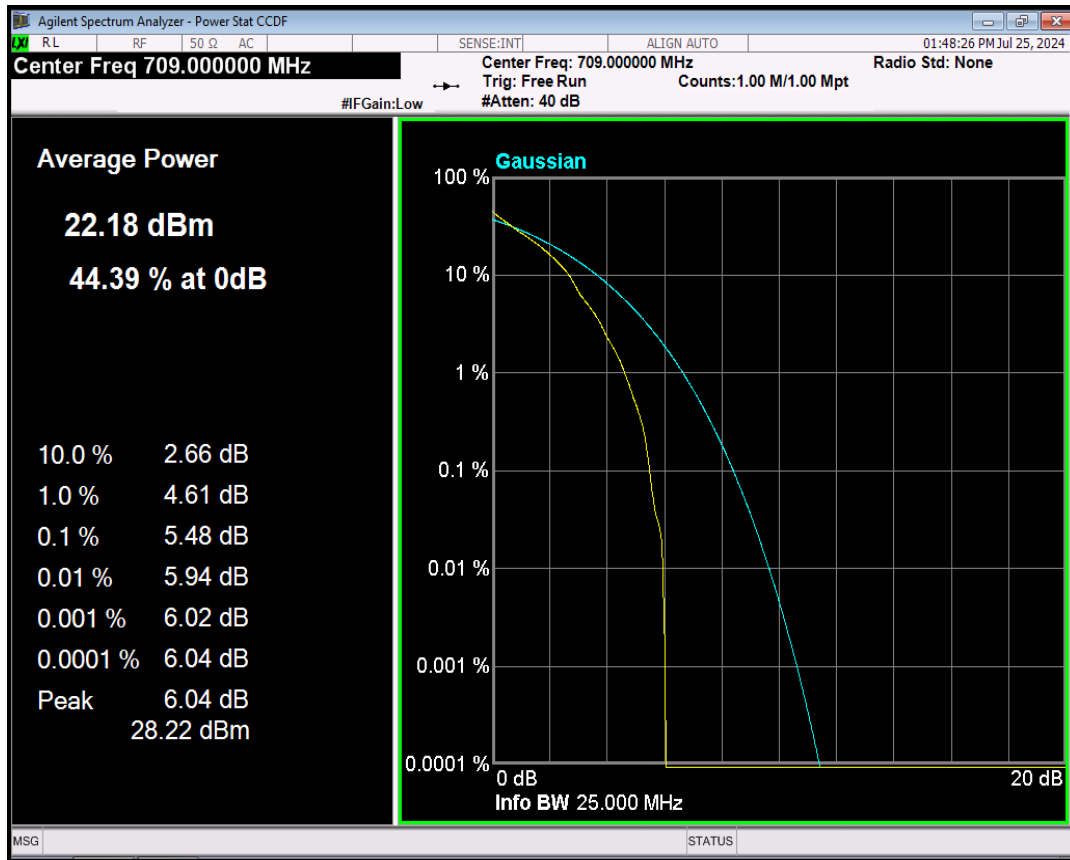
Band17 QPSK BW=5MHz Channel=23825 RB Size=1 Position=#0



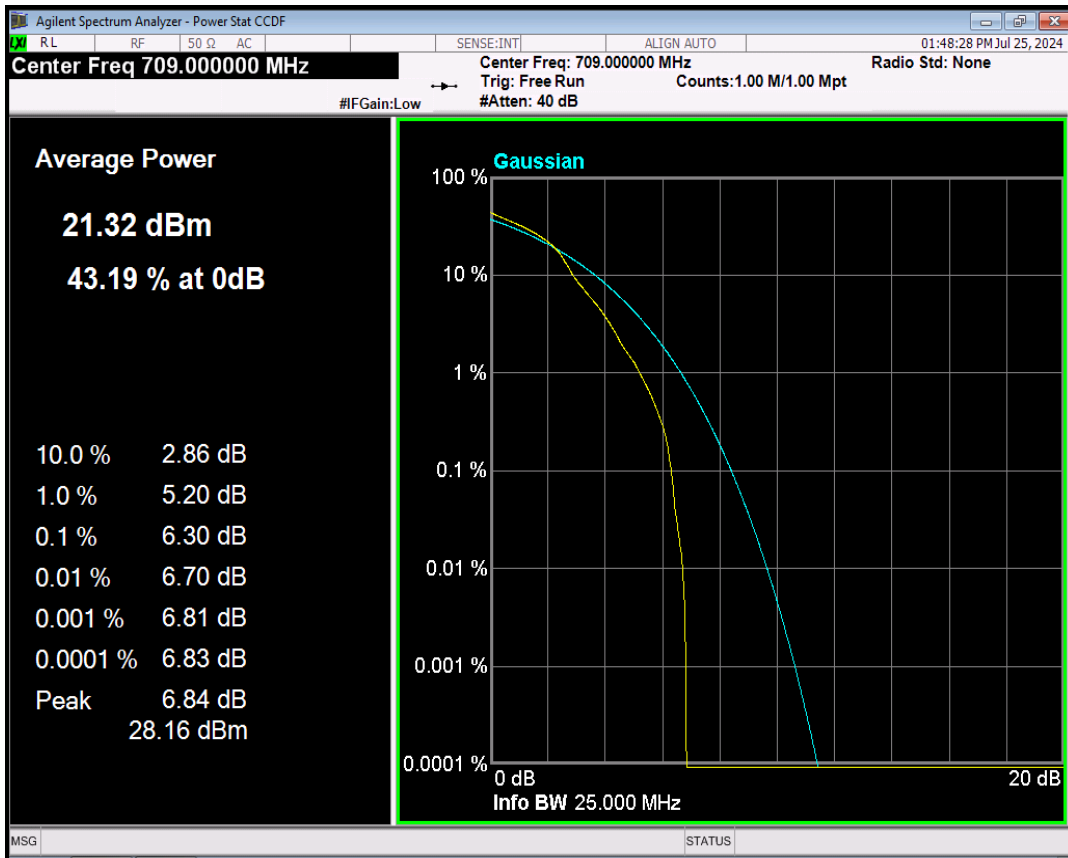
Band17 16QAM BW=5MHz Channel=23825 RB Size=1 Position=#0



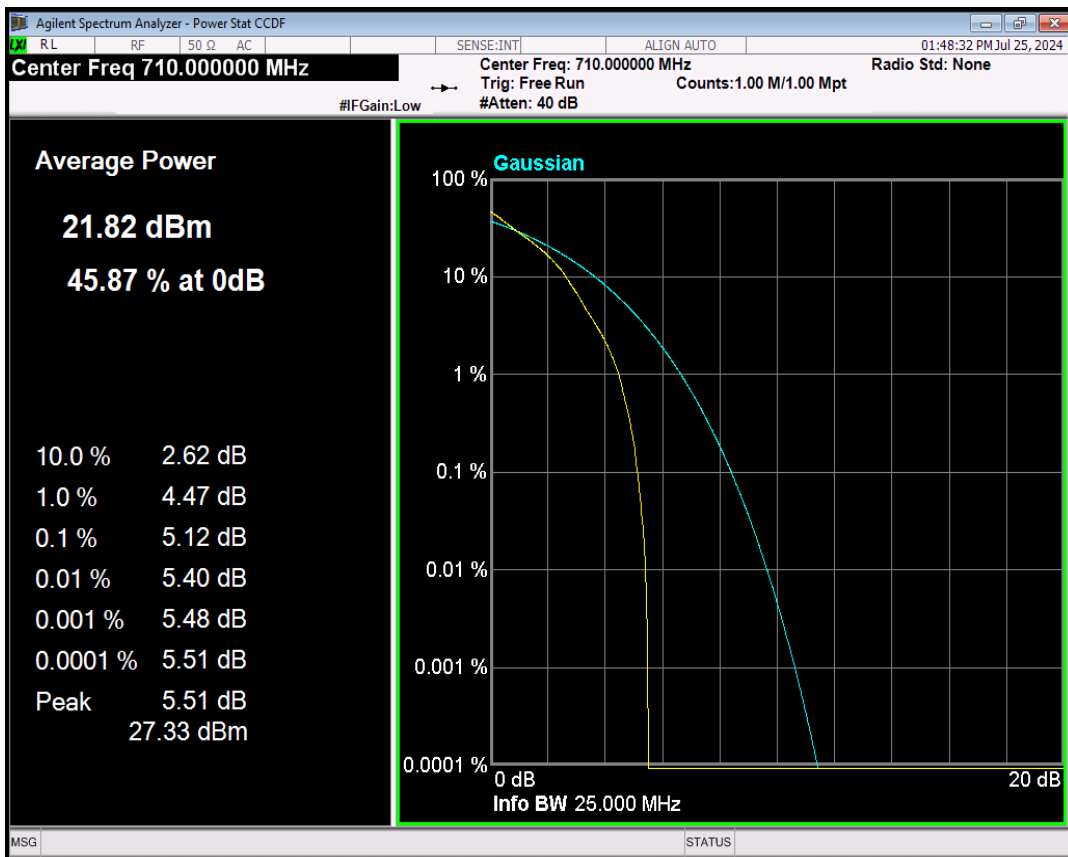
Band17 QPSK BW=10MHz Channel=23780 RB Size=1 Position=#0



Band17 16QAM BW=10MHz Channel=23780 RB Size=1 Position=#0

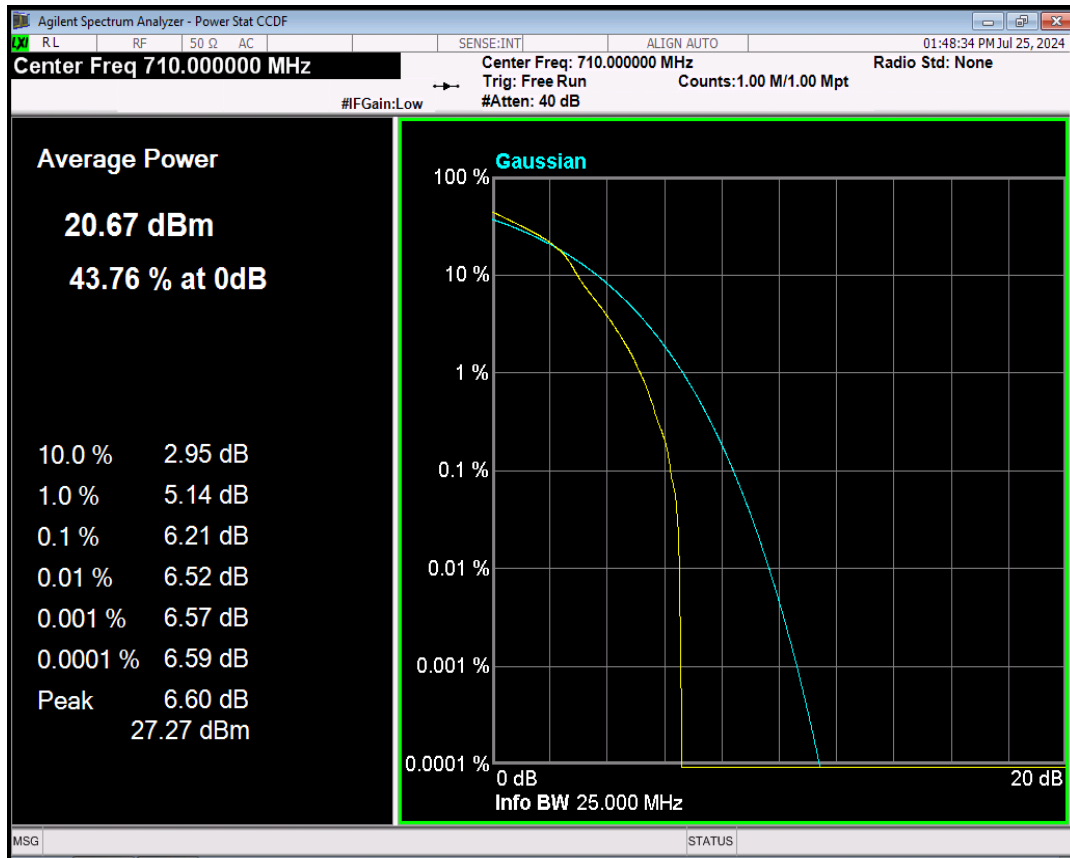


Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0

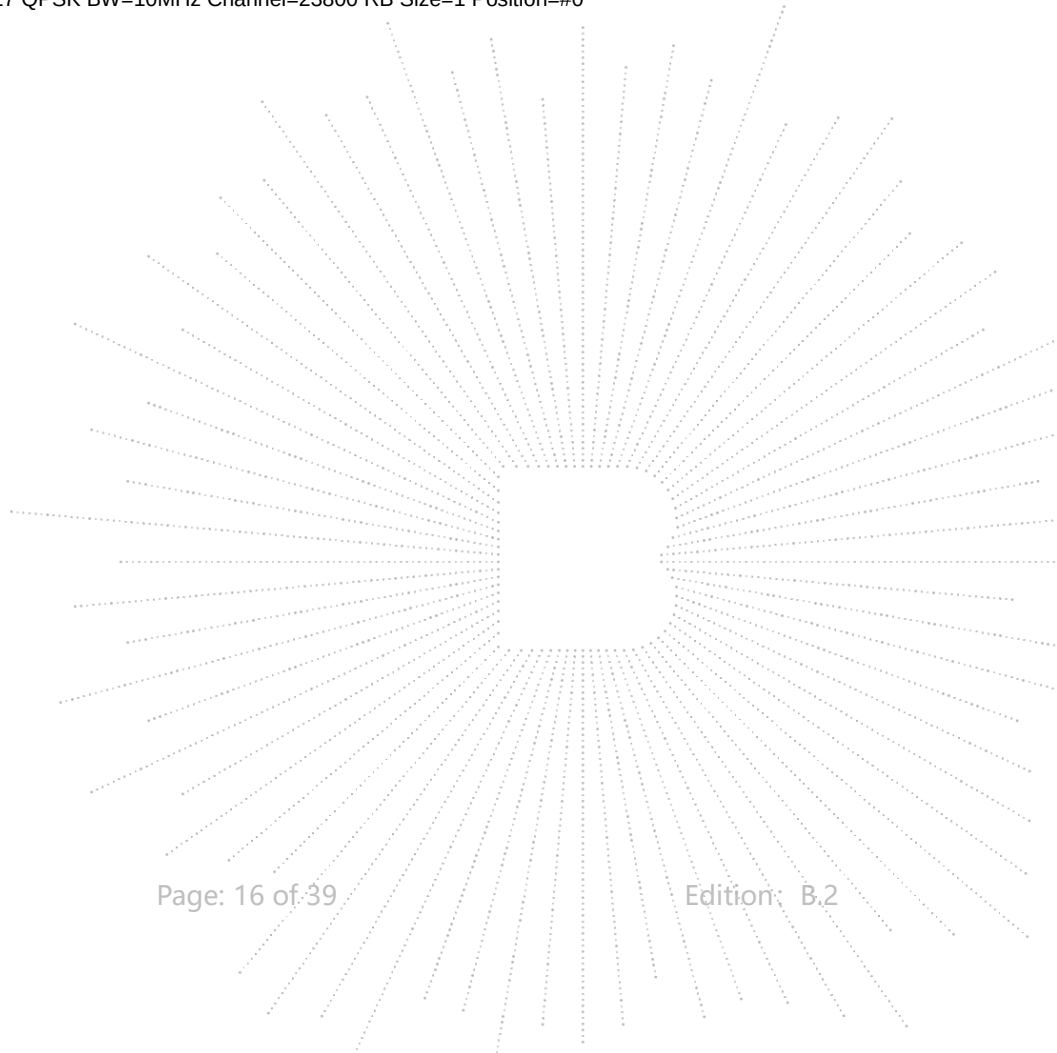


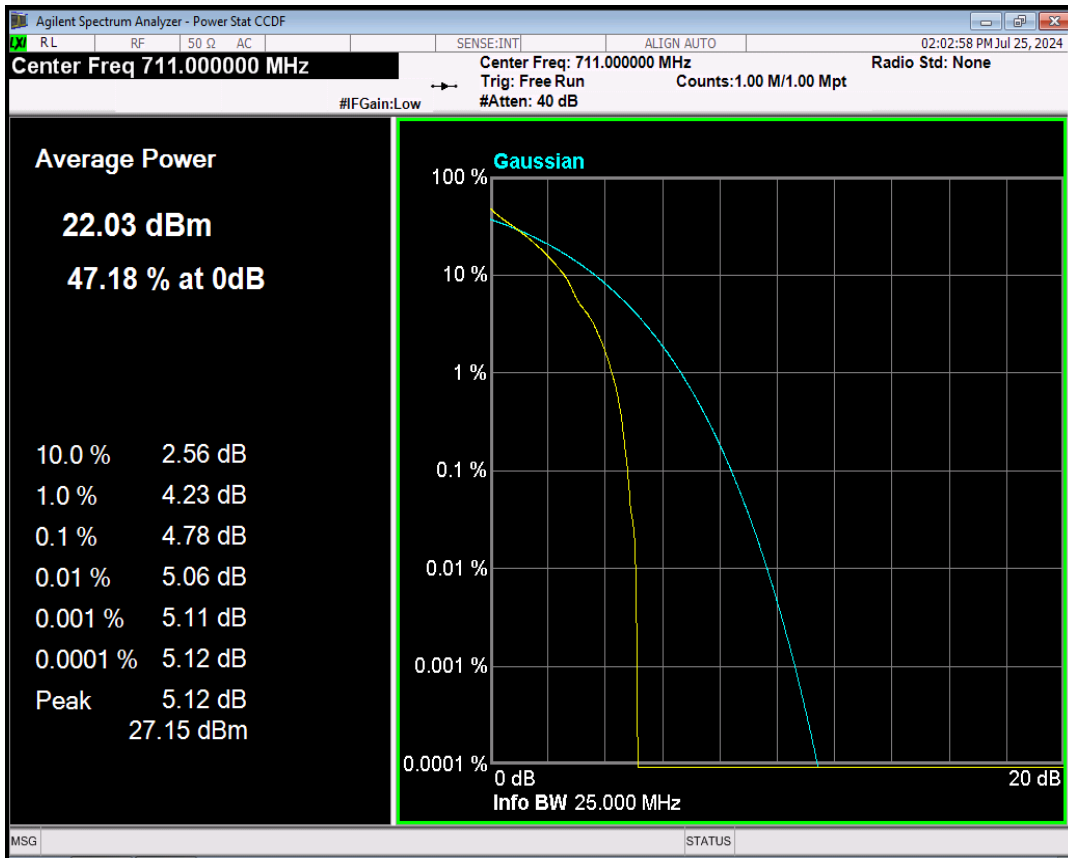


Band17 16QAM BW=10MHz Channel=23790 RB Size=1 Position=#0

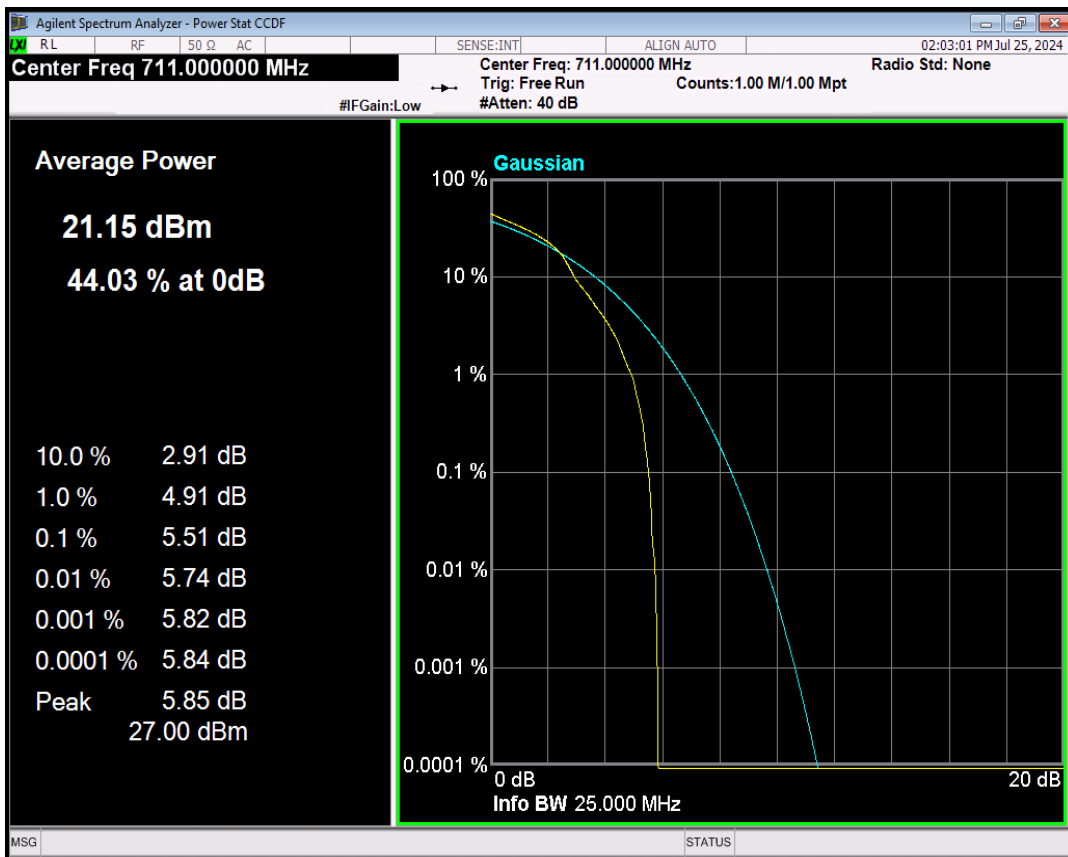


Band17 QPSK BW=10MHz Channel=23800 RB Size=1 Position=#0





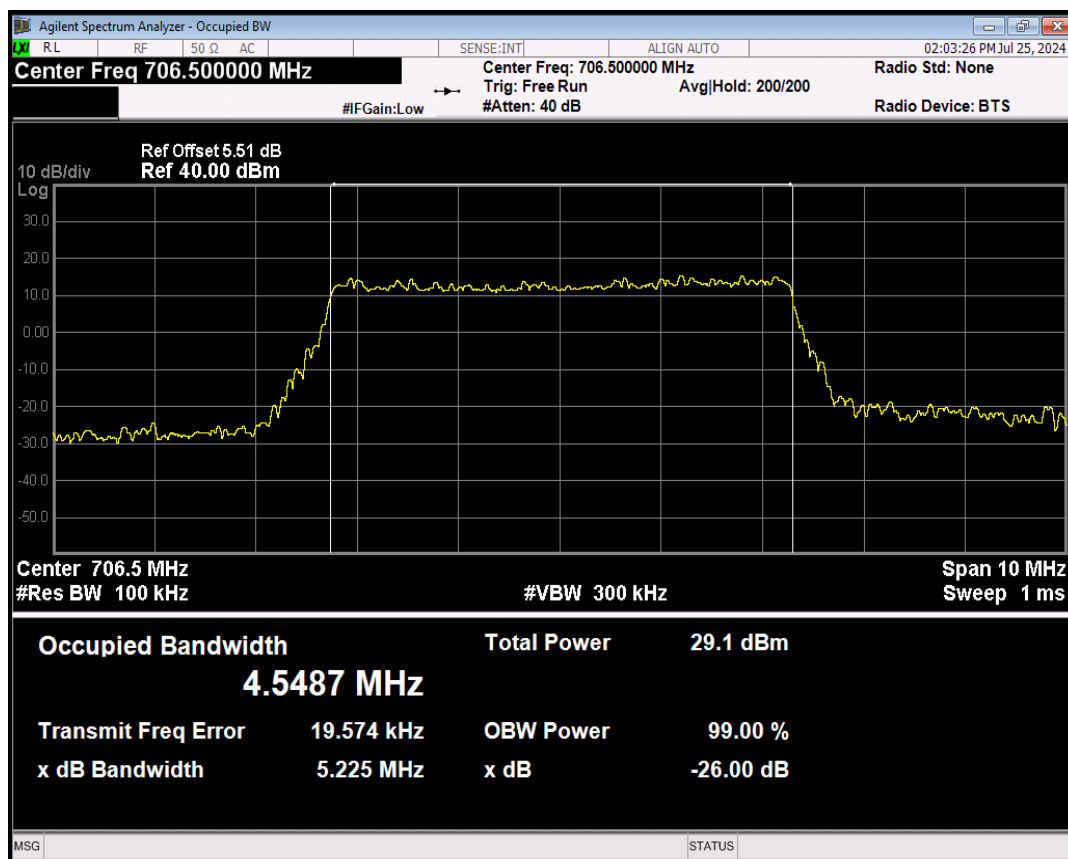
Band17 16QAM BW=10MHz Channel=23800 RB Size=1 Position=#0



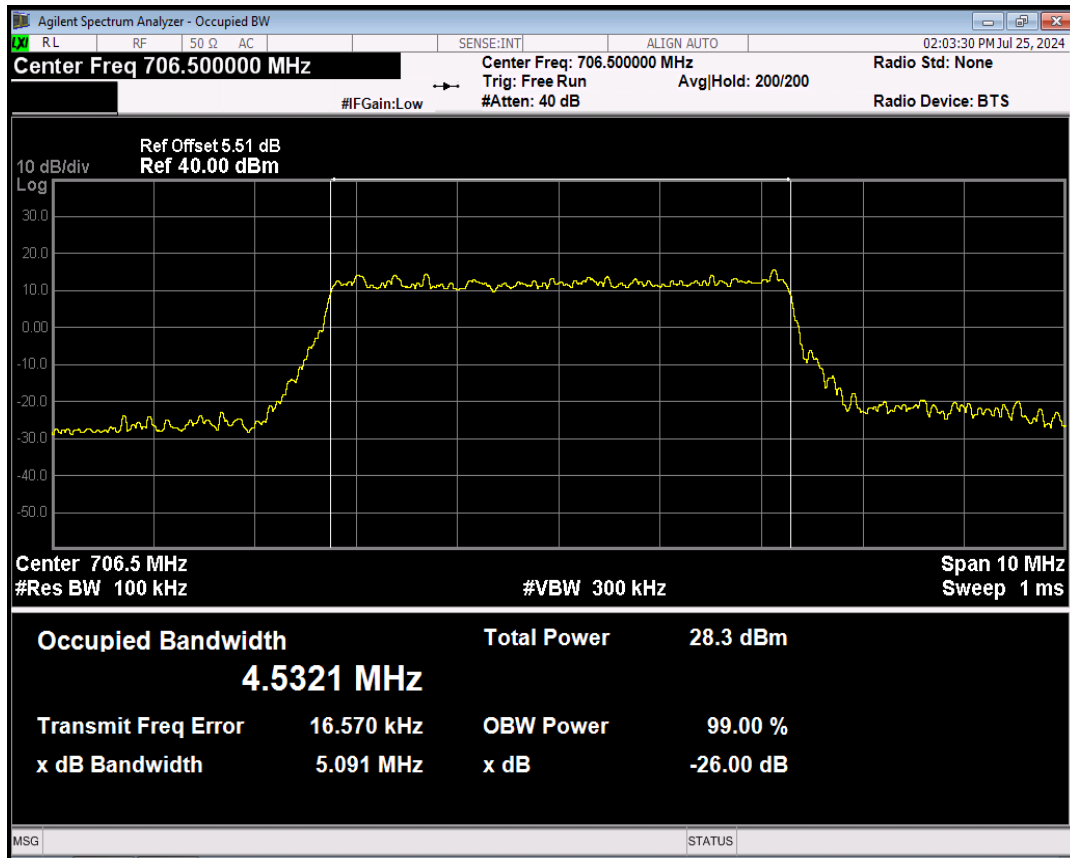
## Appendix 4. Occupied bandwidth

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band17 | 5               | 23755      | 25      | #0          | QPSK       | 4.549         | 5.225           | PASS    |
| Band17 | 5               | 23755      | 25      | #0          | 16QAM      | 4.532         | 5.091           | PASS    |
| Band17 | 5               | 23790      | 25      | #0          | QPSK       | 4.498         | 4.959           | PASS    |
| Band17 | 5               | 23790      | 25      | #0          | 16QAM      | 4.533         | 5.048           | PASS    |
| Band17 | 5               | 23825      | 25      | #0          | QPSK       | 4.541         | 5.171           | PASS    |
| Band17 | 5               | 23825      | 25      | #0          | 16QAM      | 4.570         | 5.123           | PASS    |
| Band17 | 10              | 23780      | 50      | #0          | QPSK       | 8.952         | 10.049          | PASS    |
| Band17 | 10              | 23780      | 50      | #0          | 16QAM      | 8.964         | 9.860           | PASS    |
| Band17 | 10              | 23790      | 50      | #0          | QPSK       | 8.942         | 9.799           | PASS    |
| Band17 | 10              | 23790      | 50      | #0          | 16QAM      | 8.946         | 9.787           | PASS    |
| Band17 | 10              | 23800      | 50      | #0          | QPSK       | 8.928         | 9.674           | PASS    |
| Band17 | 10              | 23800      | 50      | #0          | 16QAM      | 8.936         | 9.752           | PASS    |

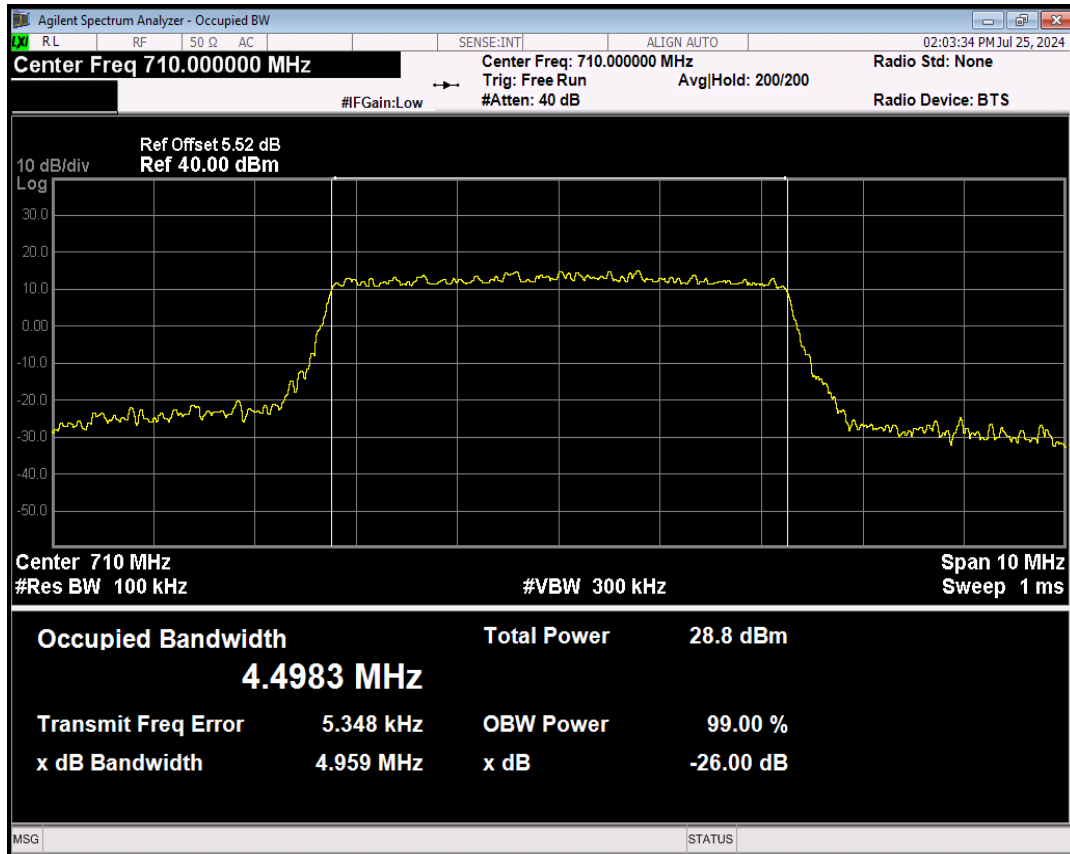
Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

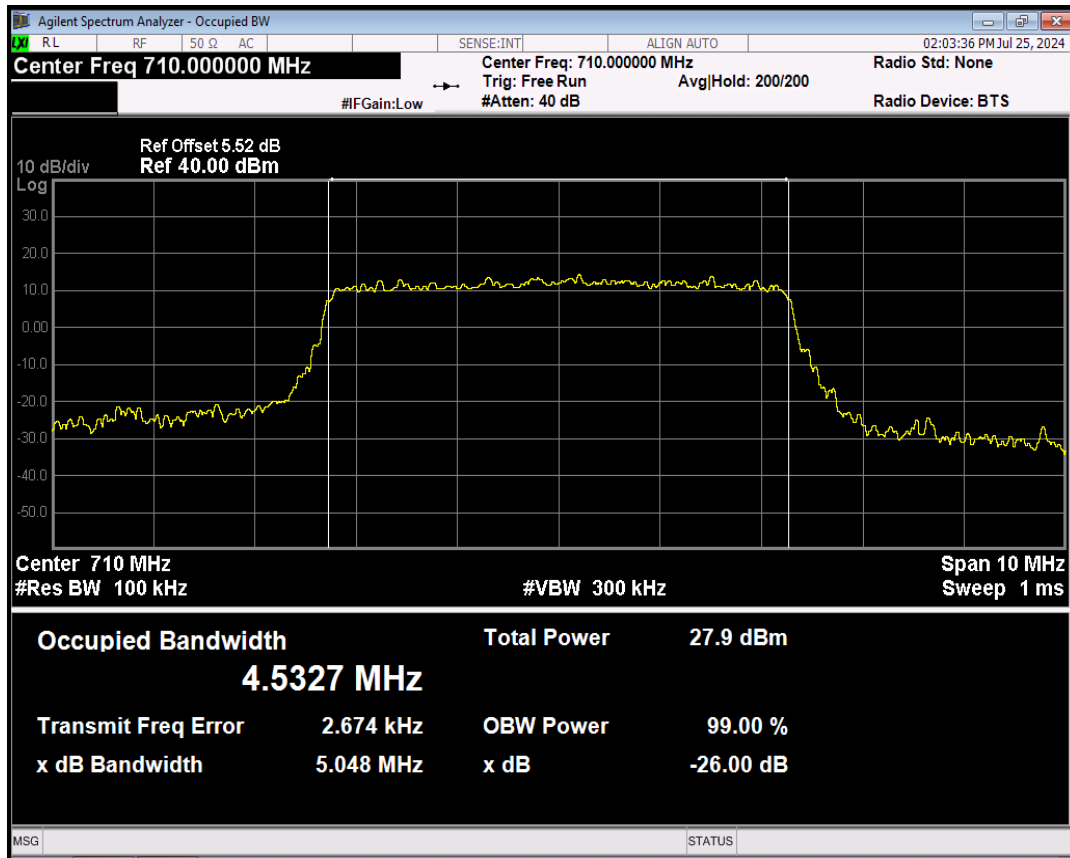


Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0

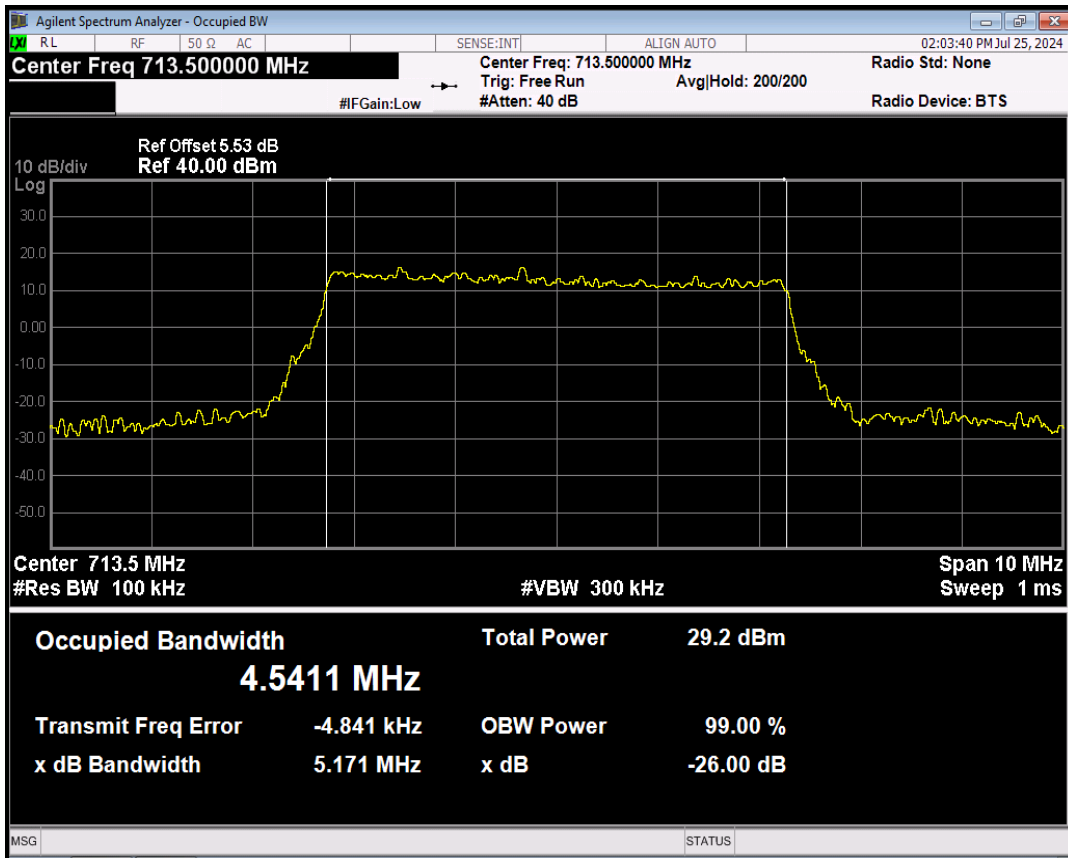




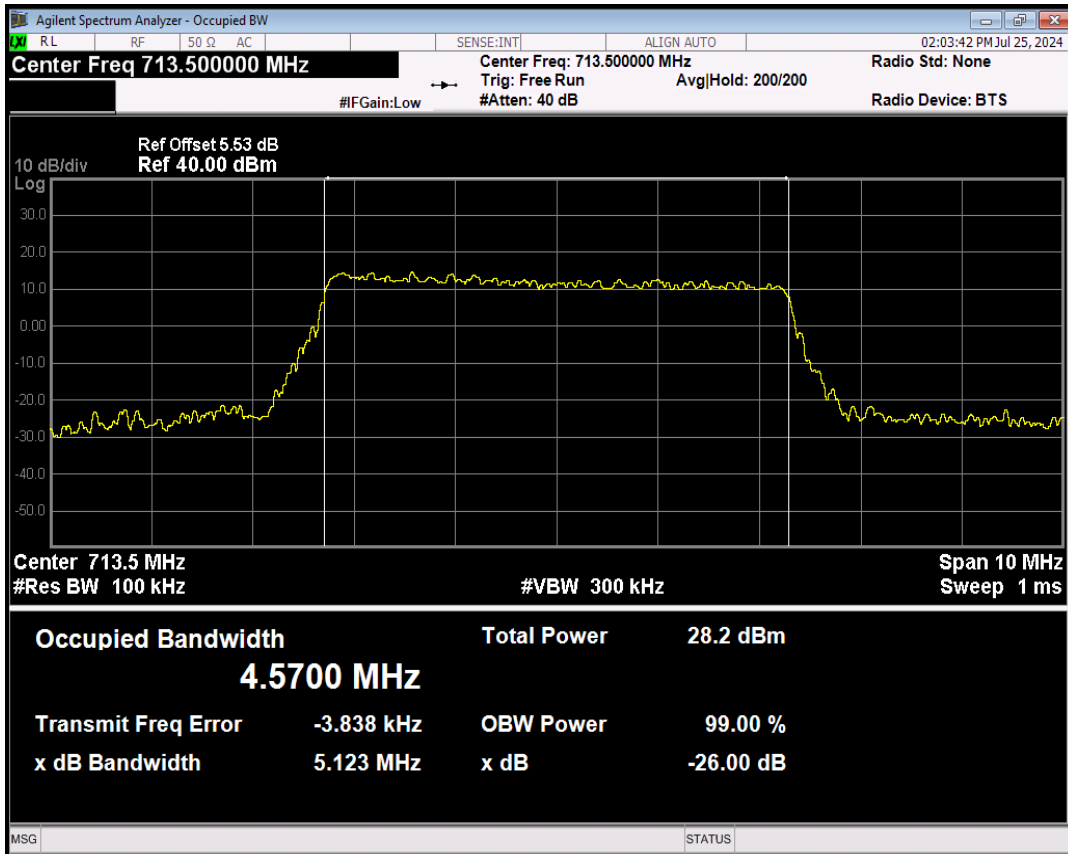
Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0



Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

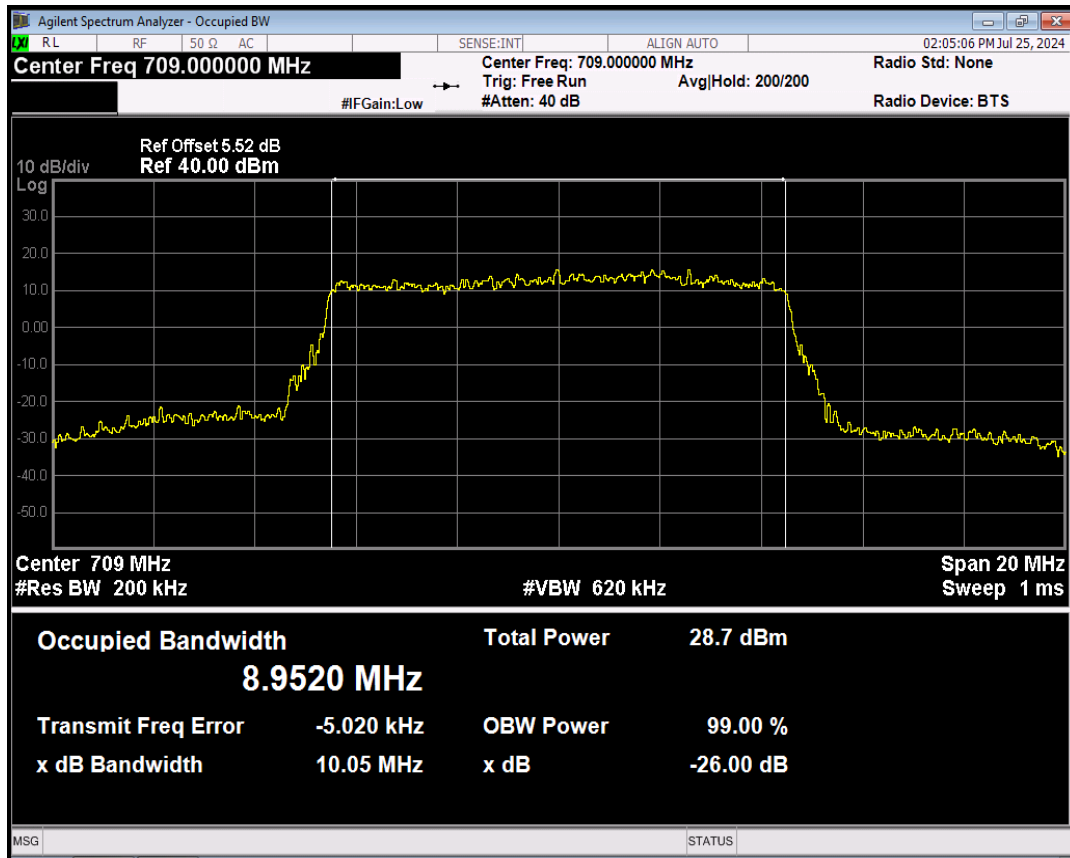


Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

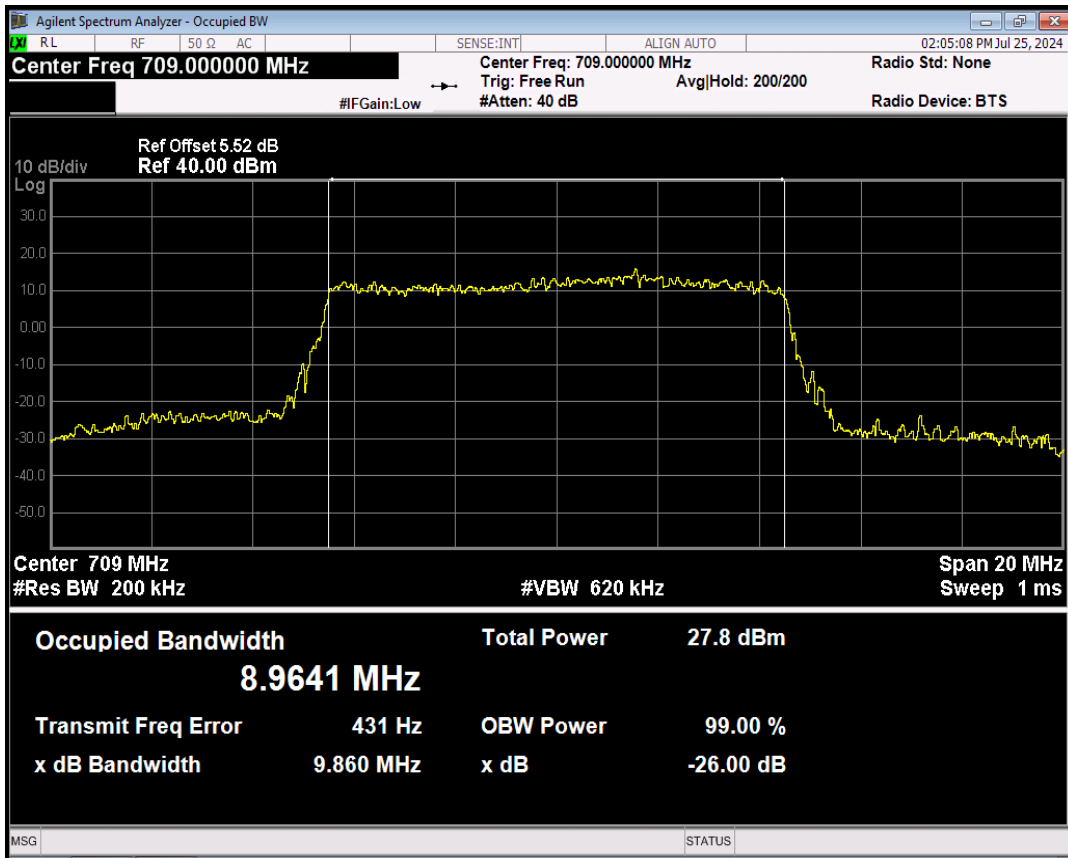




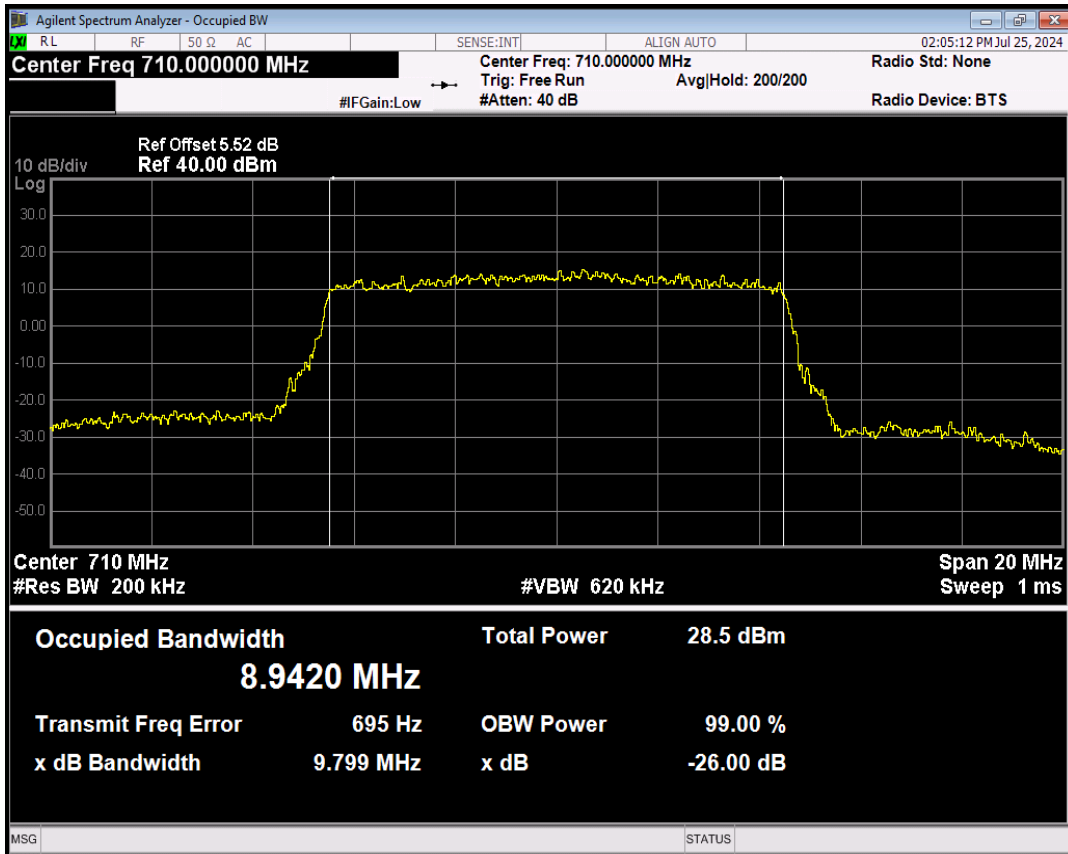
Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0



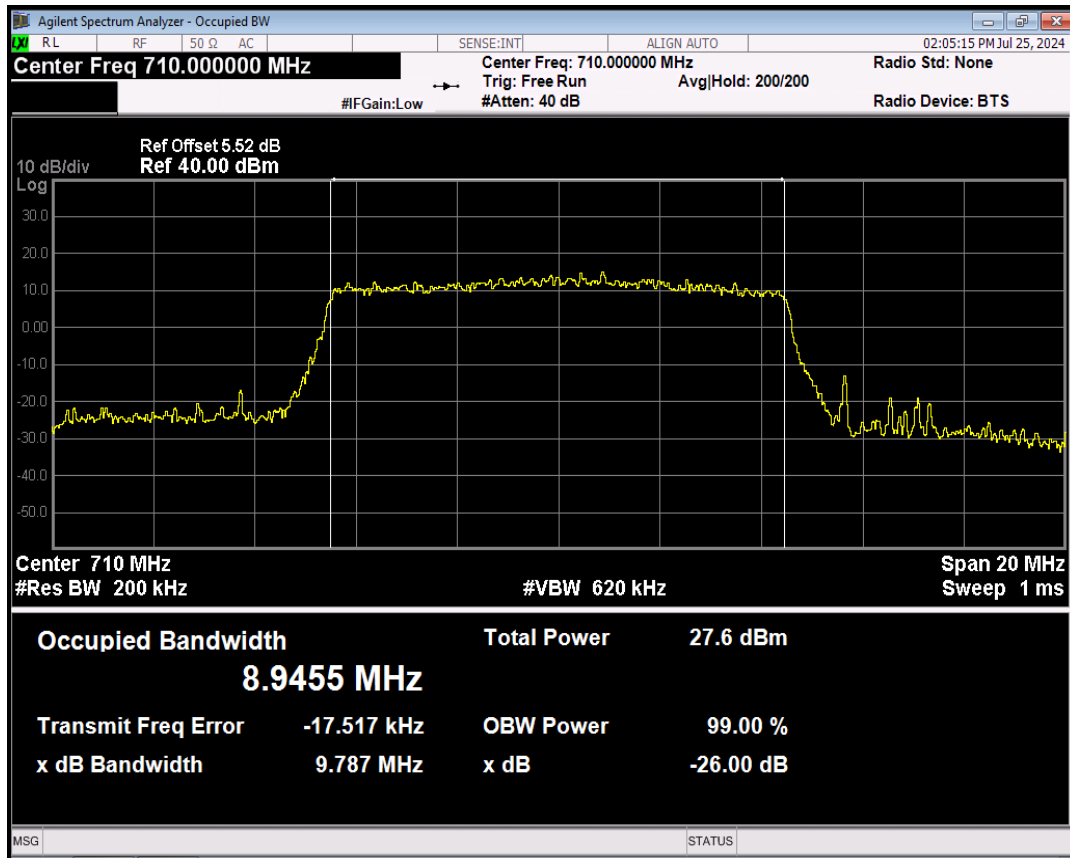
Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0



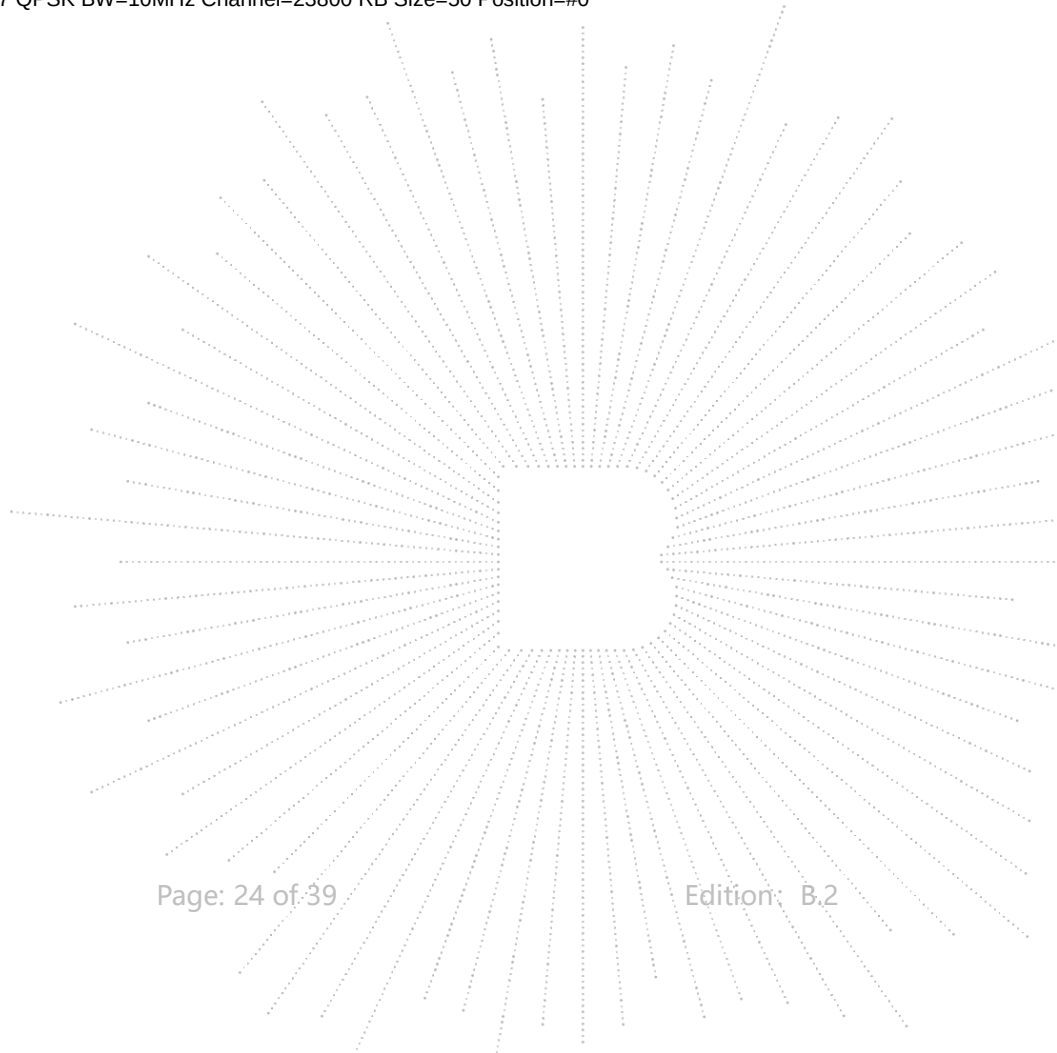


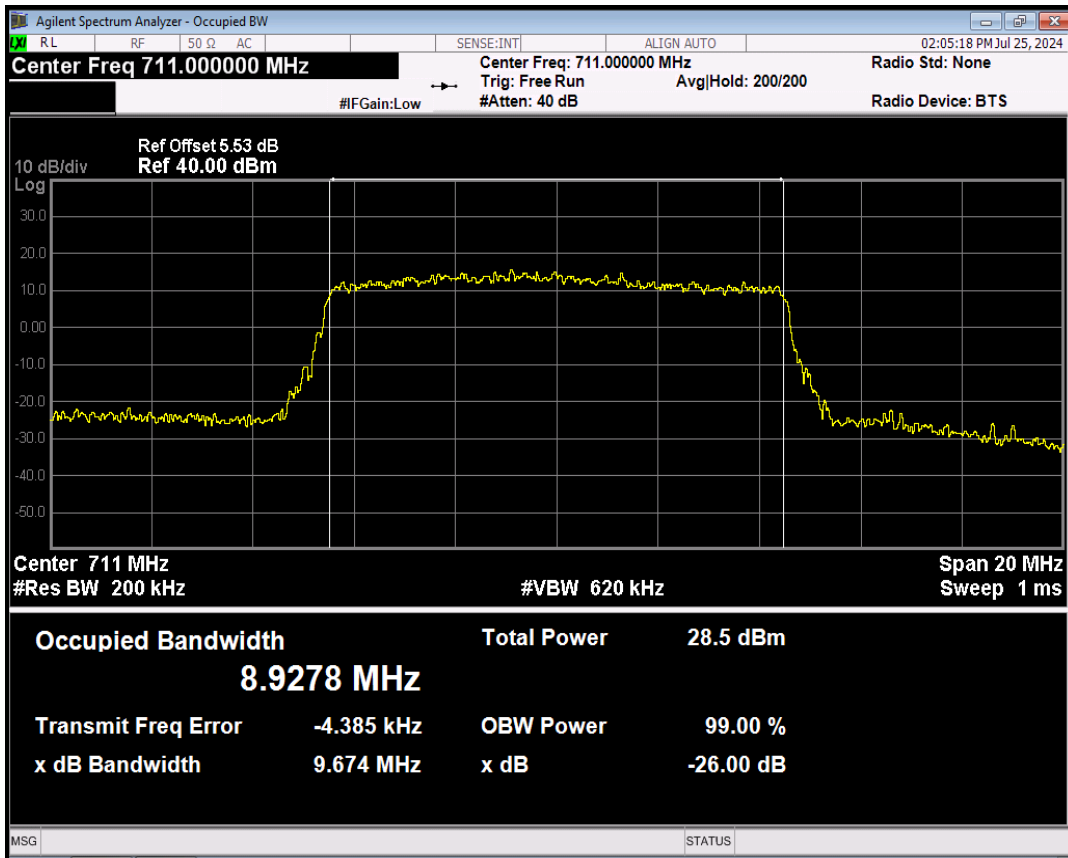


Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0

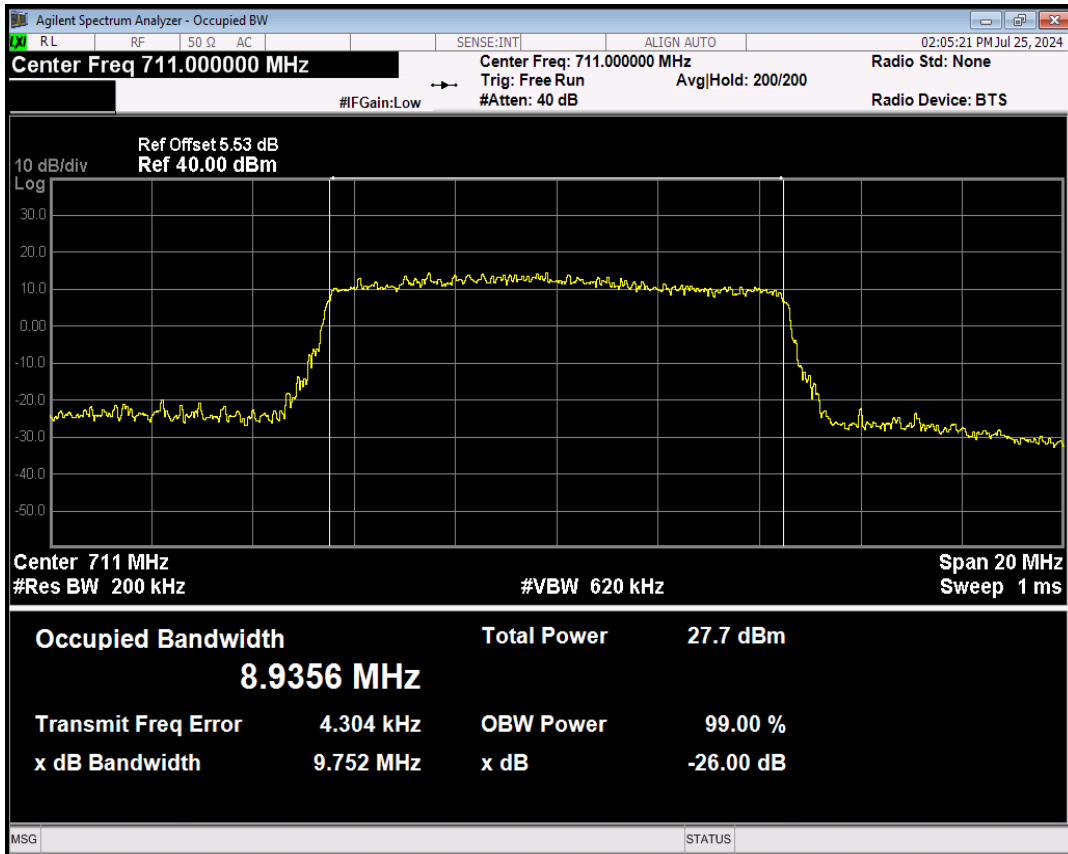


Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





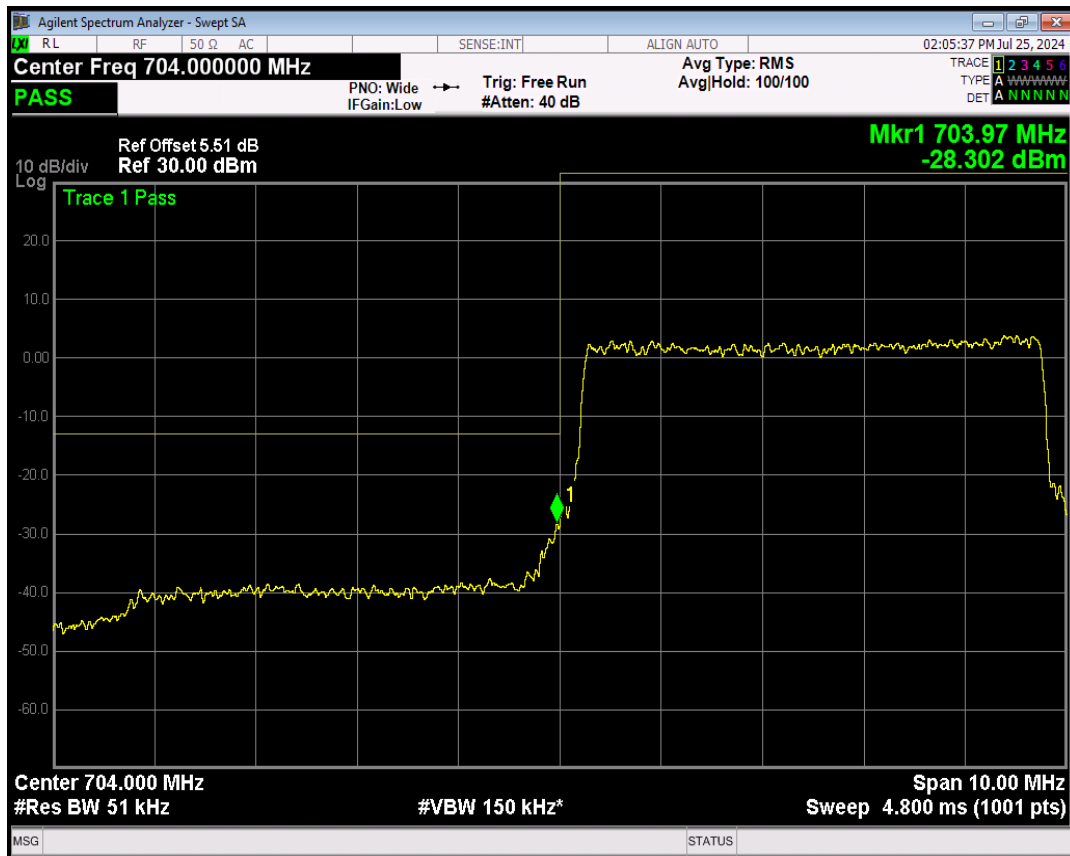
Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



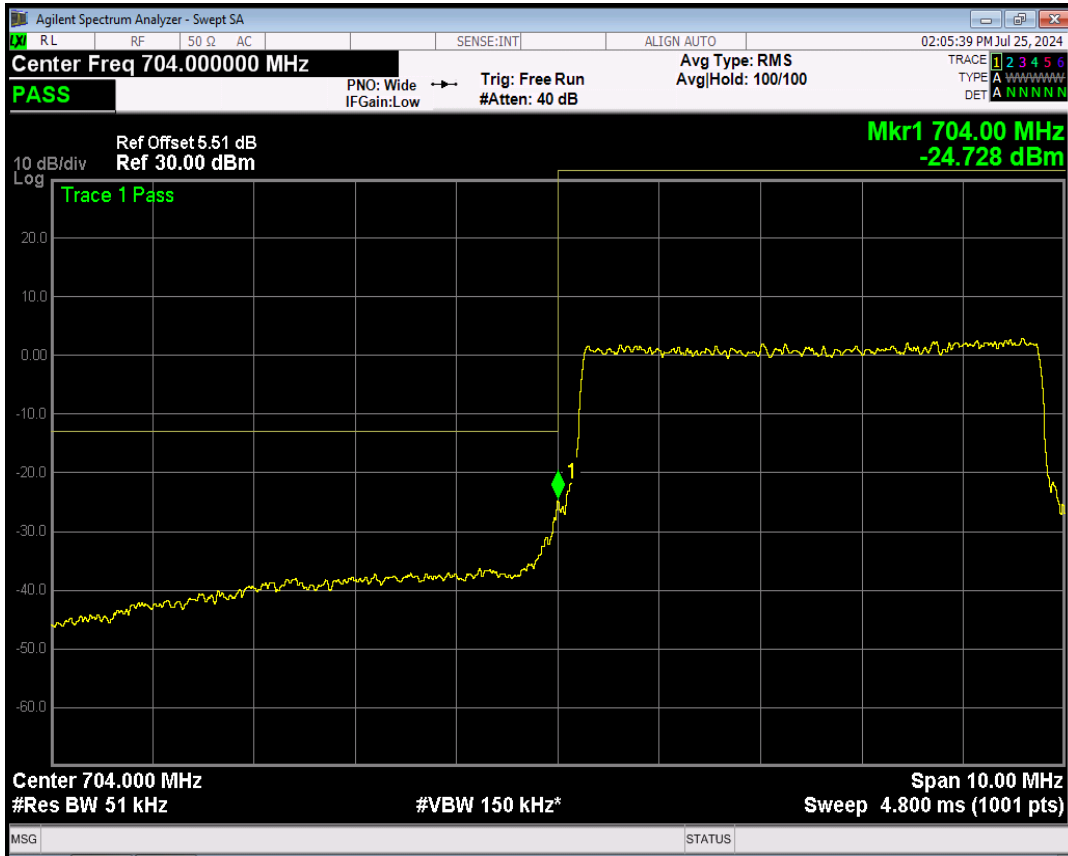
## Appendix 5. Band edge

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band17 | 5               | 23755      | 25      | #0          | QPSK       | 703.97          | -28.30           | -13         | PASS    |
| Band17 | 5               | 23755      | 25      | #0          | 16QAM      | 704.00          | -24.72           | -13         | PASS    |
| Band17 | 5               | 23825      | 25      | #0          | QPSK       | 716.00          | -27.64           | -13         | PASS    |
| Band17 | 5               | 23825      | 25      | #0          | 16QAM      | 716.01          | -28.65           | -13         | PASS    |
| Band17 | 10              | 23780      | 50      | #0          | QPSK       | 697.02          | -56.66           | -13         | PASS    |
| Band17 | 10              | 23780      | 50      | #0          | 16QAM      | 699.48          | -56.66           | -13         | PASS    |
| Band17 | 10              | 23800      | 50      | #0          | QPSK       | 718.64          | -56.30           | -13         | PASS    |
| Band17 | 10              | 23800      | 50      | #0          | 16QAM      | 716.00          | -33.90           | -13         | PASS    |

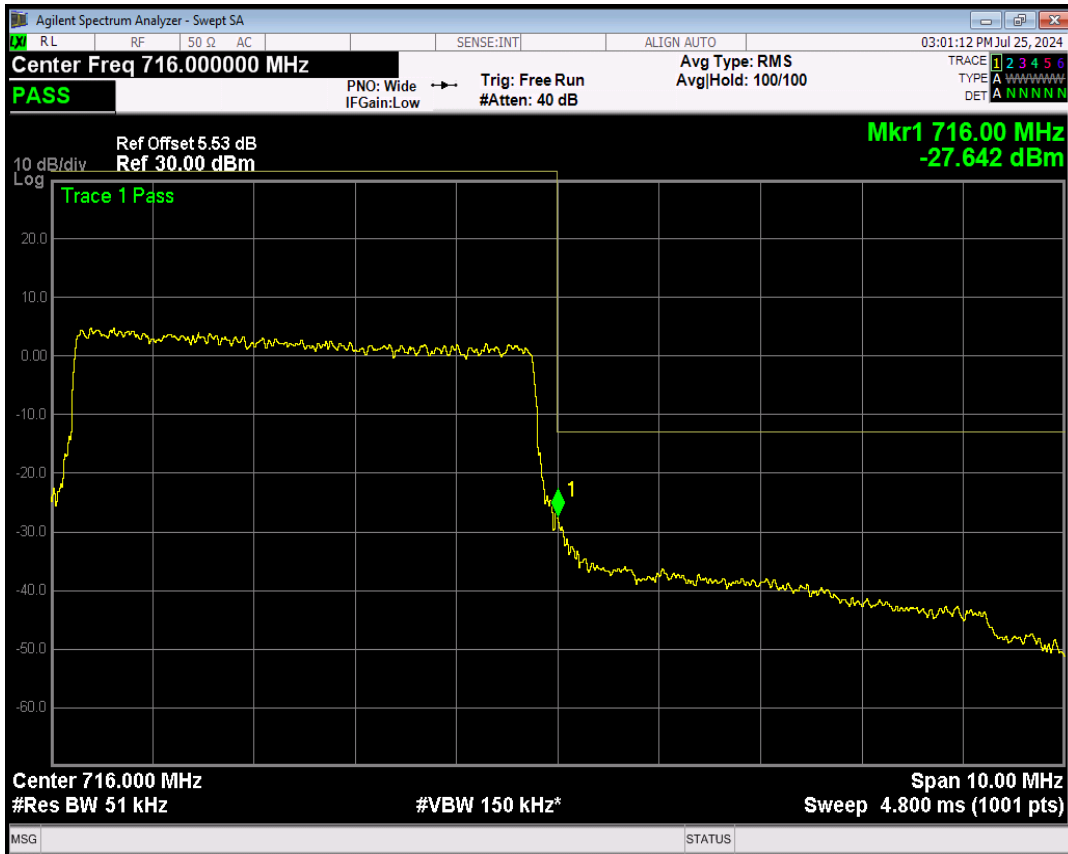
Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



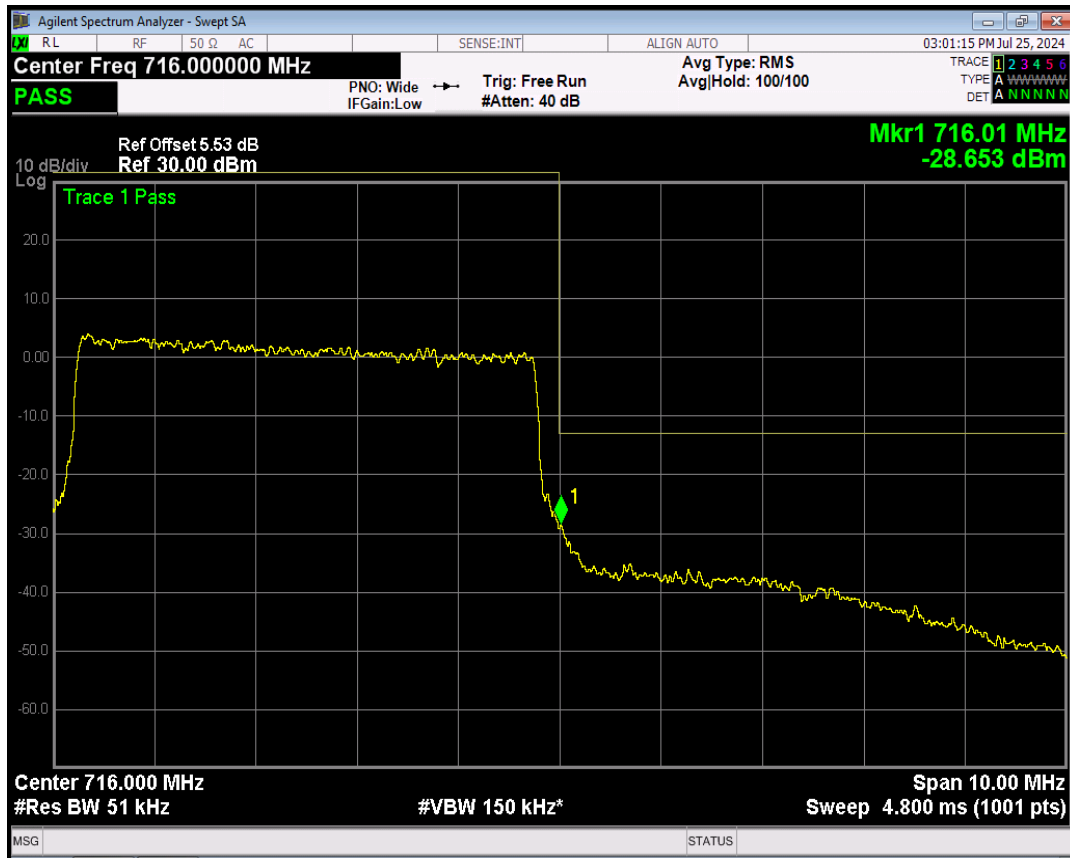
Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0



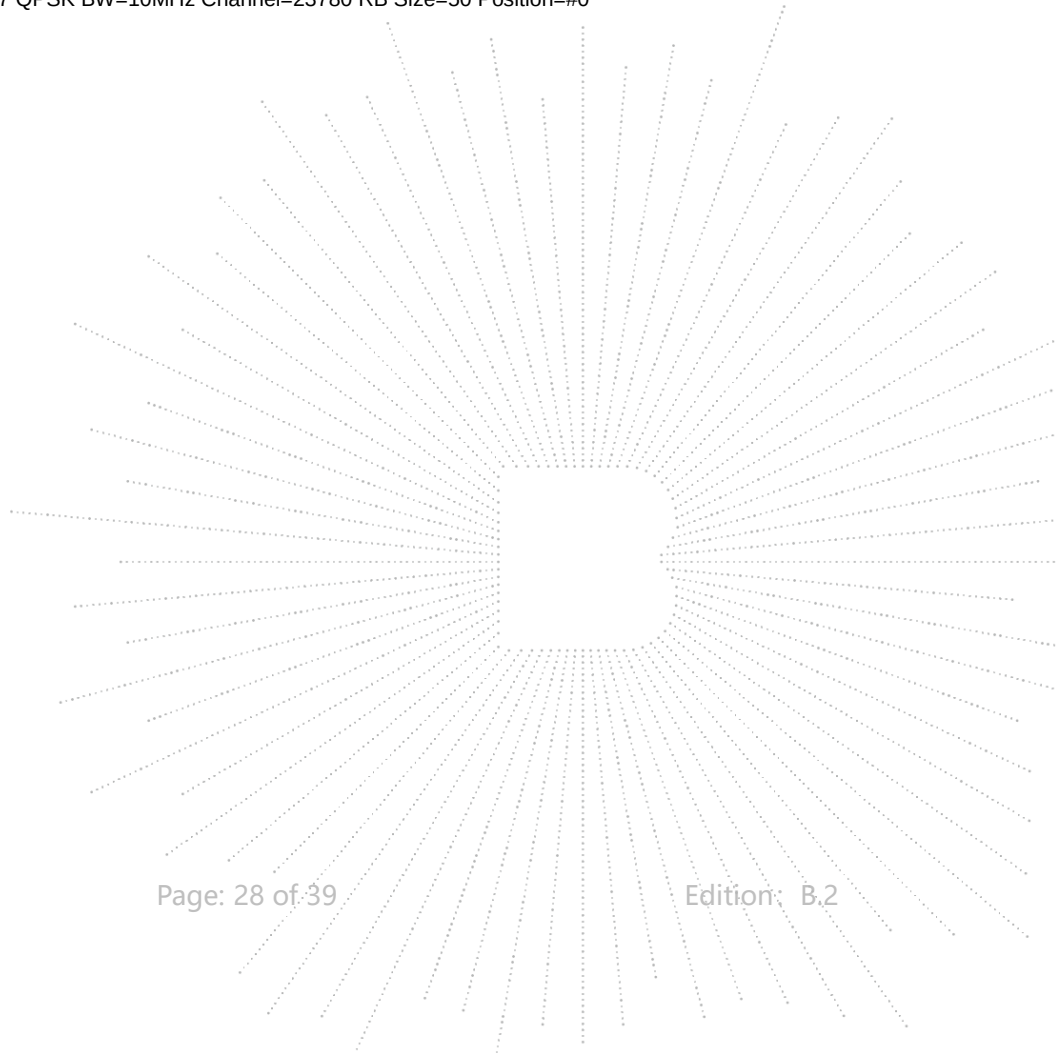
Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

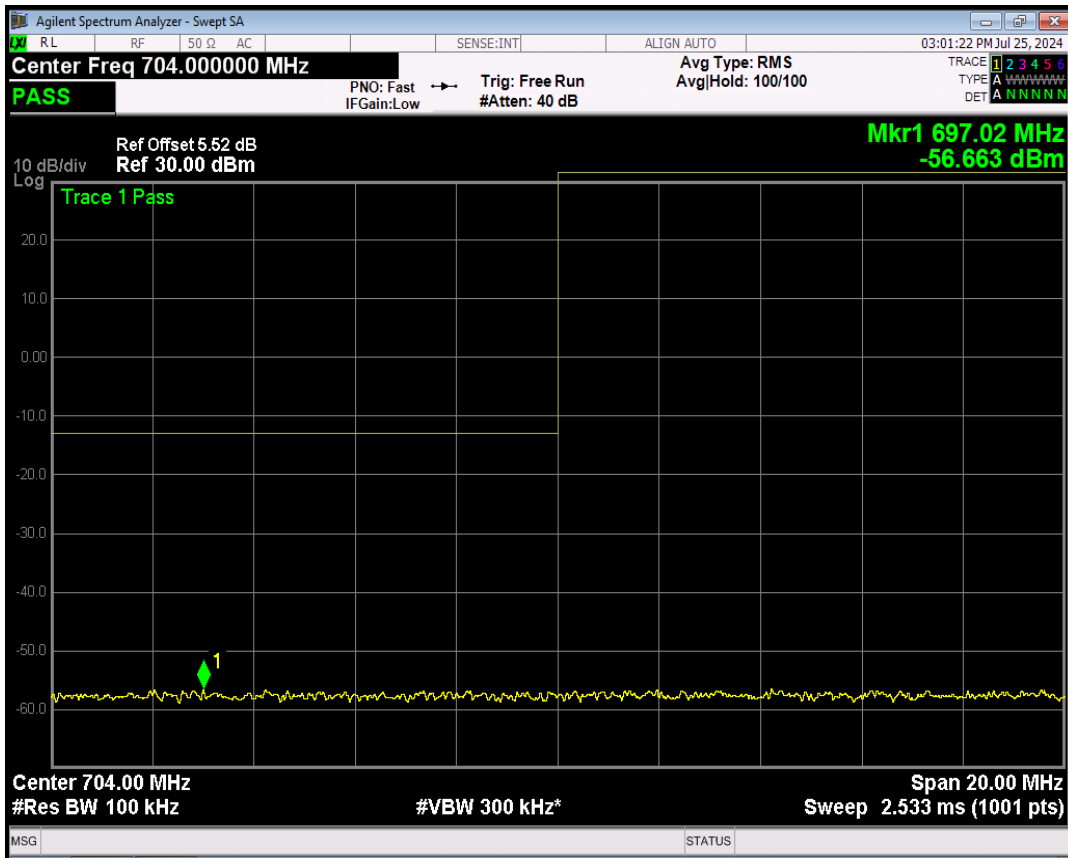


Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

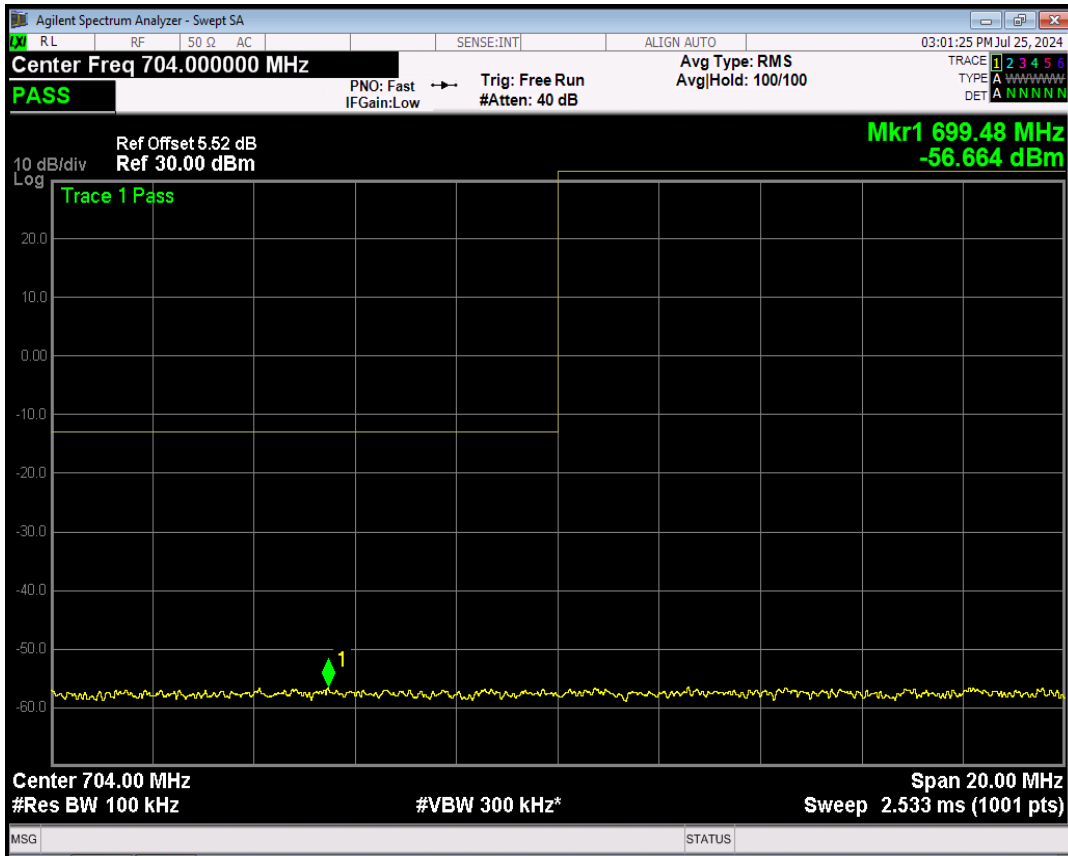


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



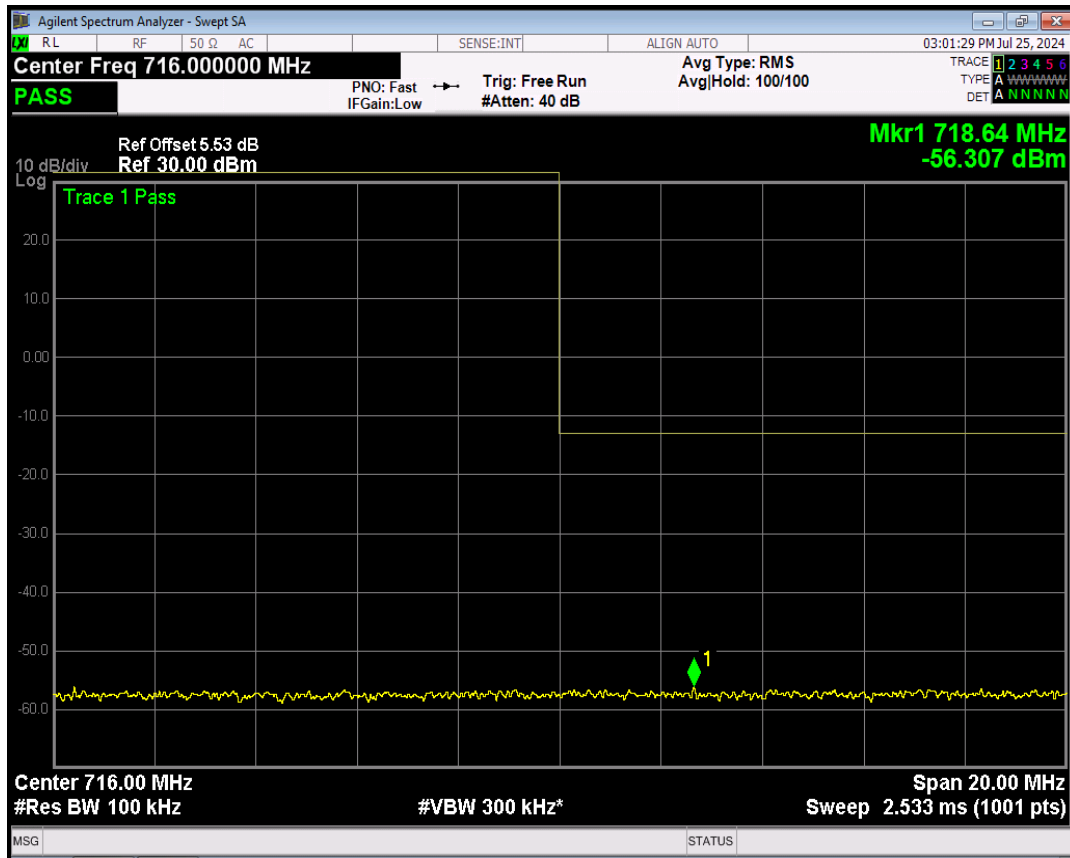


Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

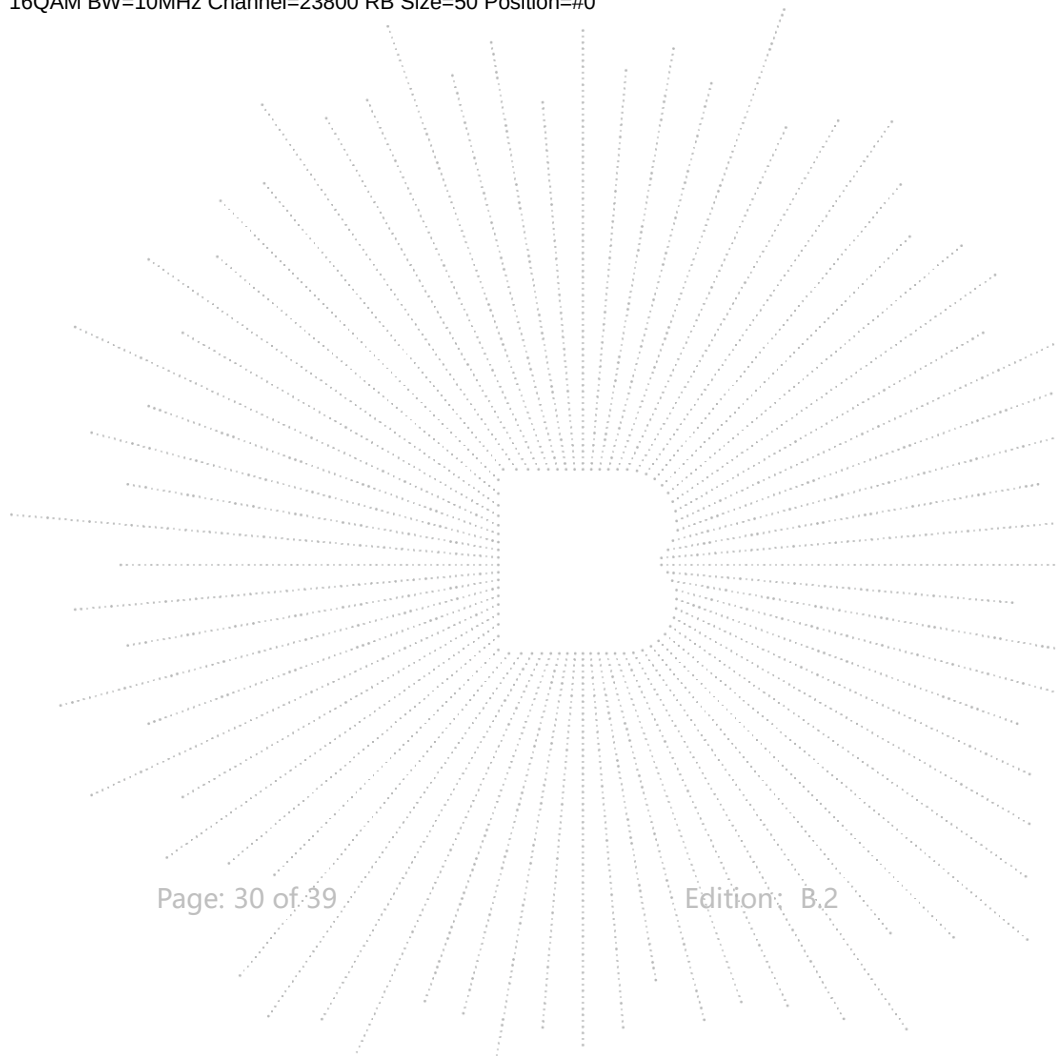




Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0



Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



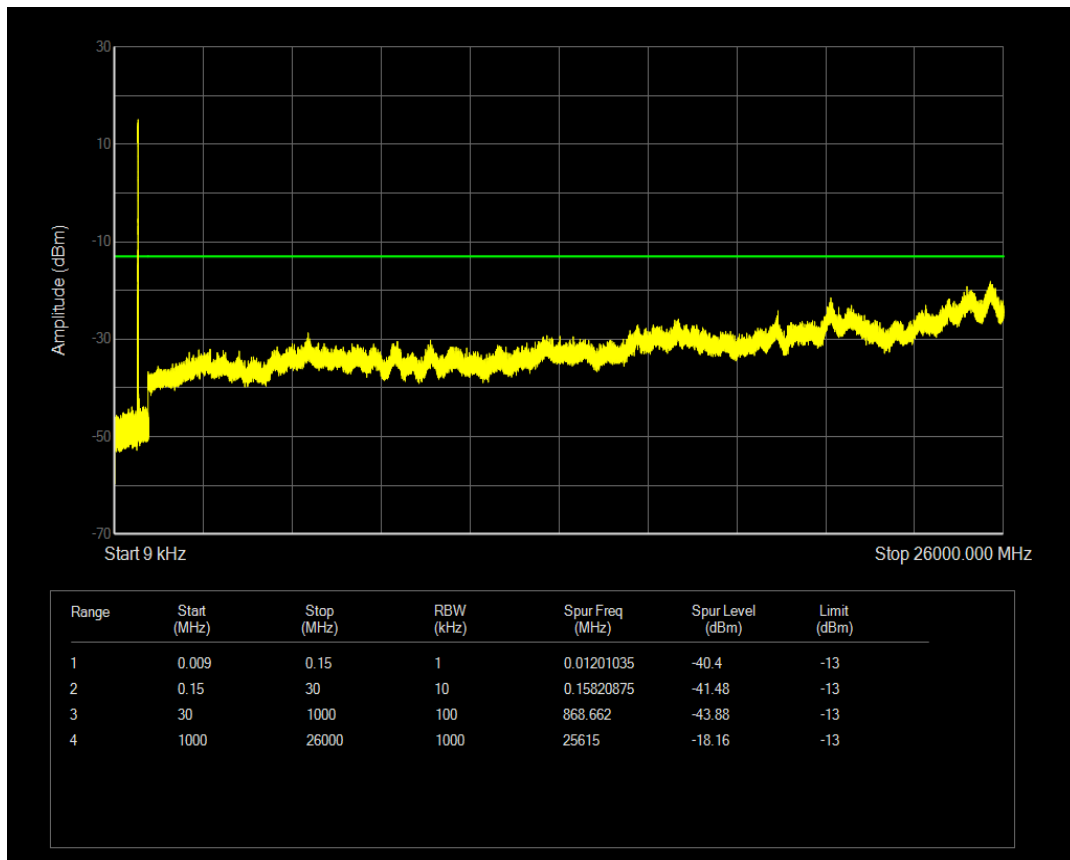




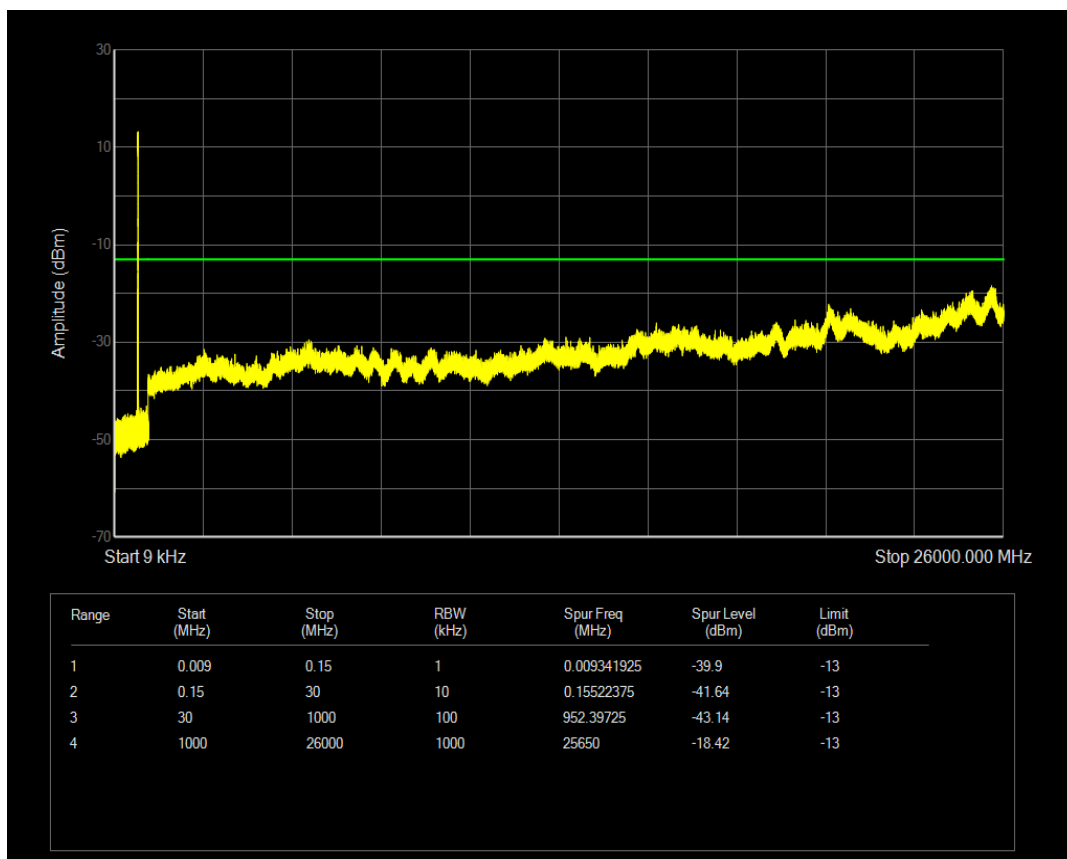
## Appendix 6. Out-of-band emissions

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band17 | 5               | 23755      | 25      | #0          | QPSK       | 25615.00        | -18.16           | -13         | PASS    |
| Band17 | 5               | 23755      | 25      | #0          | 16QAM      | 25650.00        | -18.42           | -13         | PASS    |
| Band17 | 5               | 23790      | 25      | #0          | QPSK       | 25616.88        | -17.81           | -13         | PASS    |
| Band17 | 5               | 23790      | 25      | #0          | 16QAM      | 25621.88        | -17.40           | -13         | PASS    |
| Band17 | 5               | 23825      | 25      | #0          | QPSK       | 25629.38        | -18.01           | -13         | PASS    |
| Band17 | 5               | 23825      | 25      | #0          | 16QAM      | 25690.00        | -18.27           | -13         | PASS    |
| Band17 | 10              | 23780      | 50      | #0          | QPSK       | 25620.00        | -17.38           | -13         | PASS    |
| Band17 | 10              | 23780      | 50      | #0          | 16QAM      | 25678.13        | -18.03           | -13         | PASS    |
| Band17 | 10              | 23790      | 50      | #0          | QPSK       | 25523.13        | -18.18           | -13         | PASS    |
| Band17 | 10              | 23790      | 50      | #0          | 16QAM      | 25684.38        | -18.38           | -13         | PASS    |
| Band17 | 10              | 23800      | 50      | #0          | QPSK       | 25665.63        | -18.01           | -13         | PASS    |
| Band17 | 10              | 23800      | 50      | #0          | 16QAM      | 25671.88        | -18.90           | -13         | PASS    |

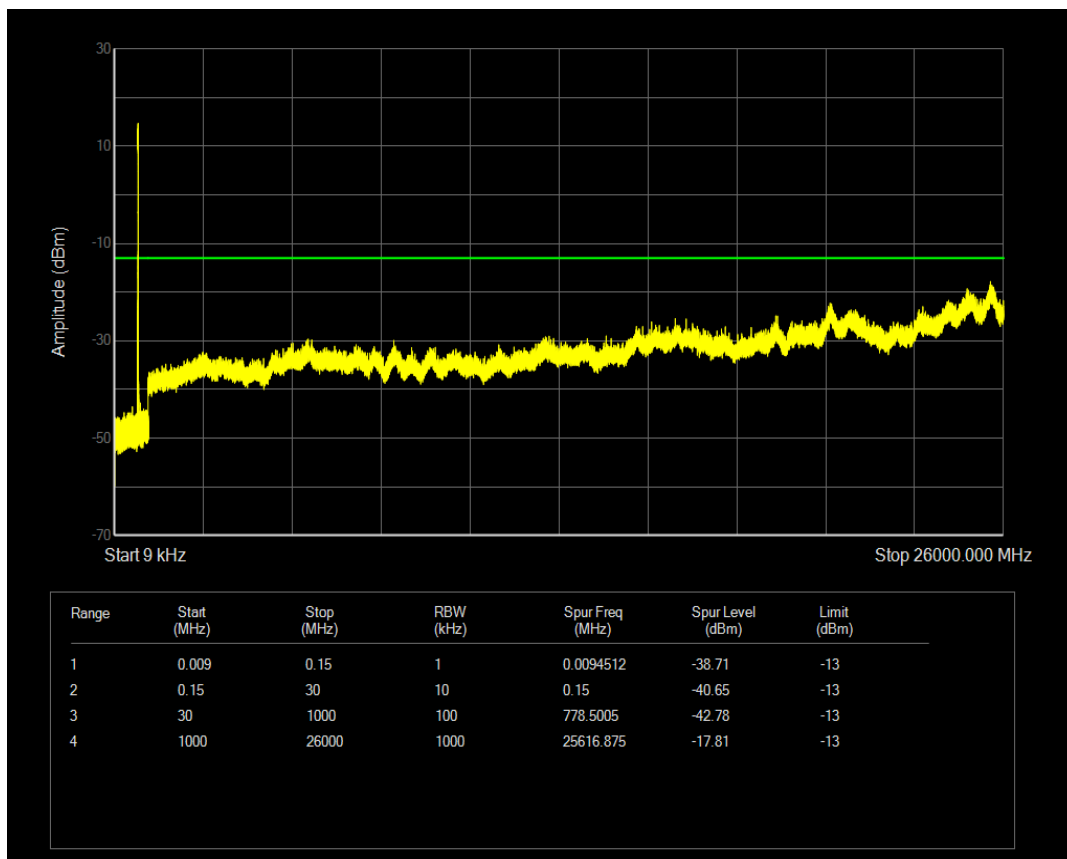
Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

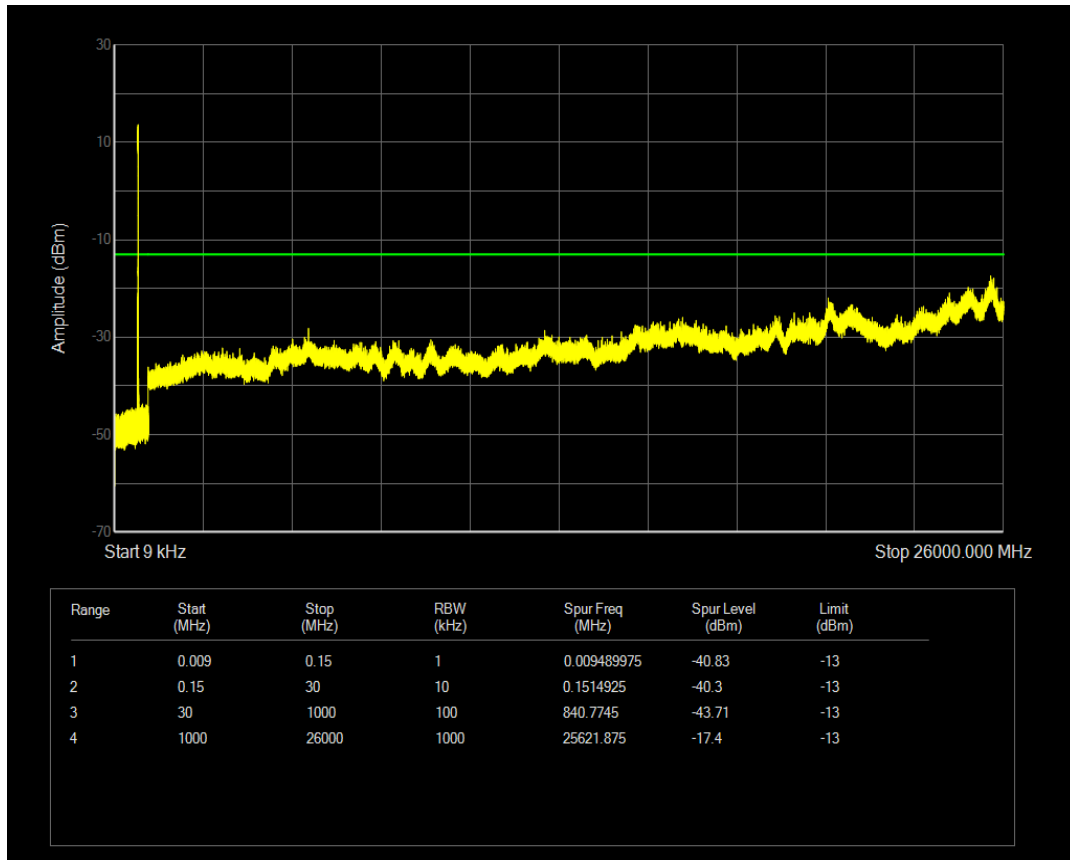


Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0

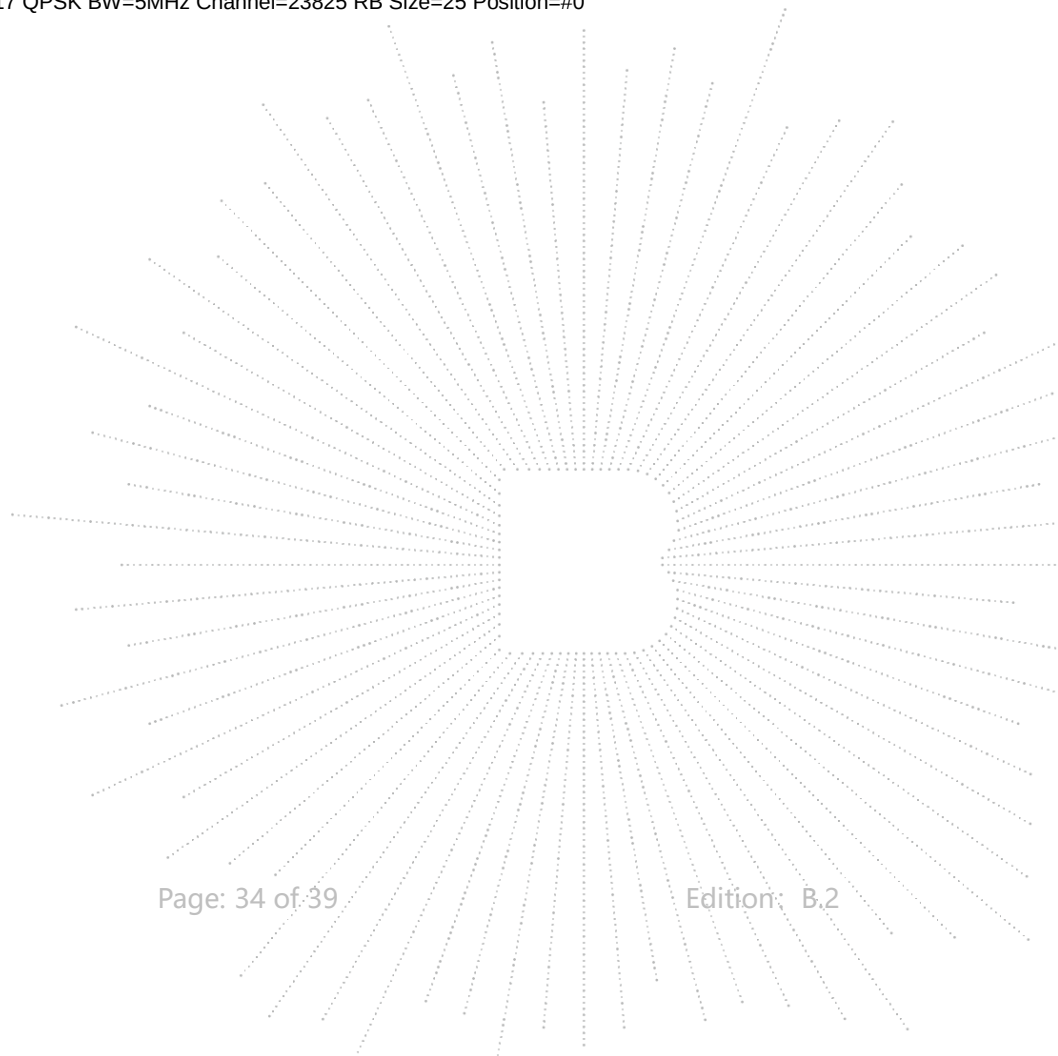


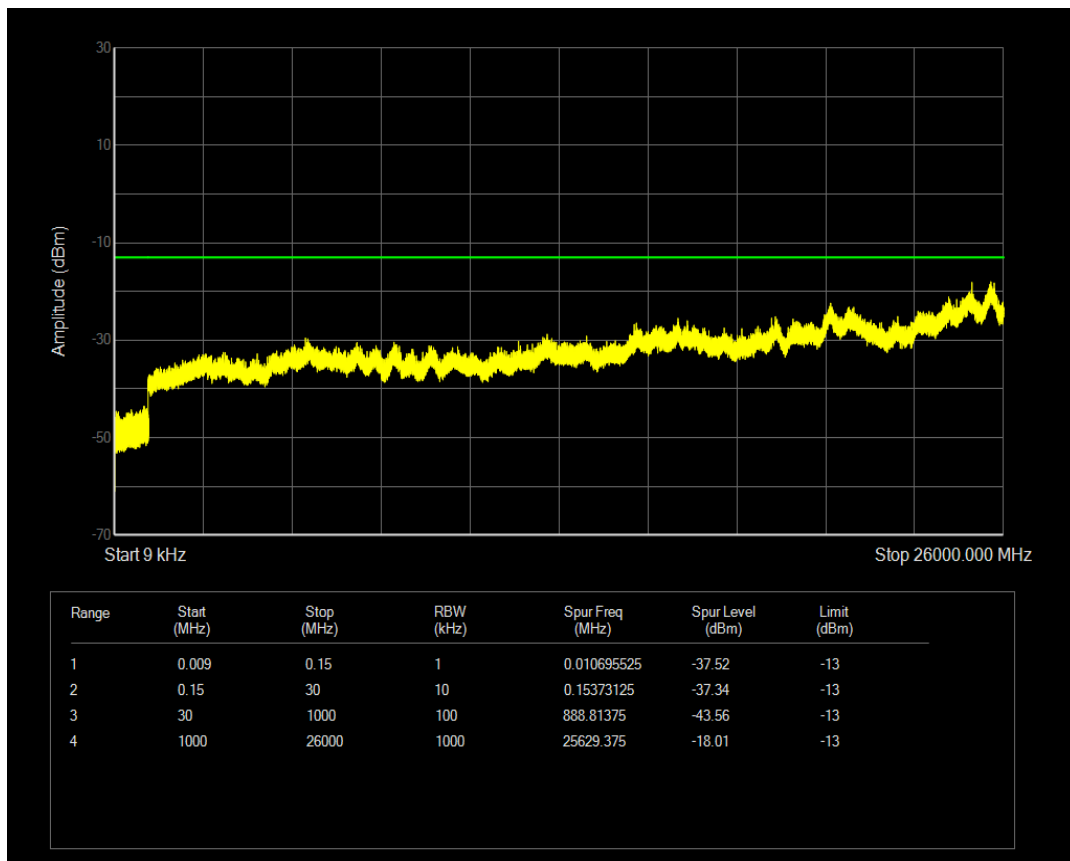


Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0

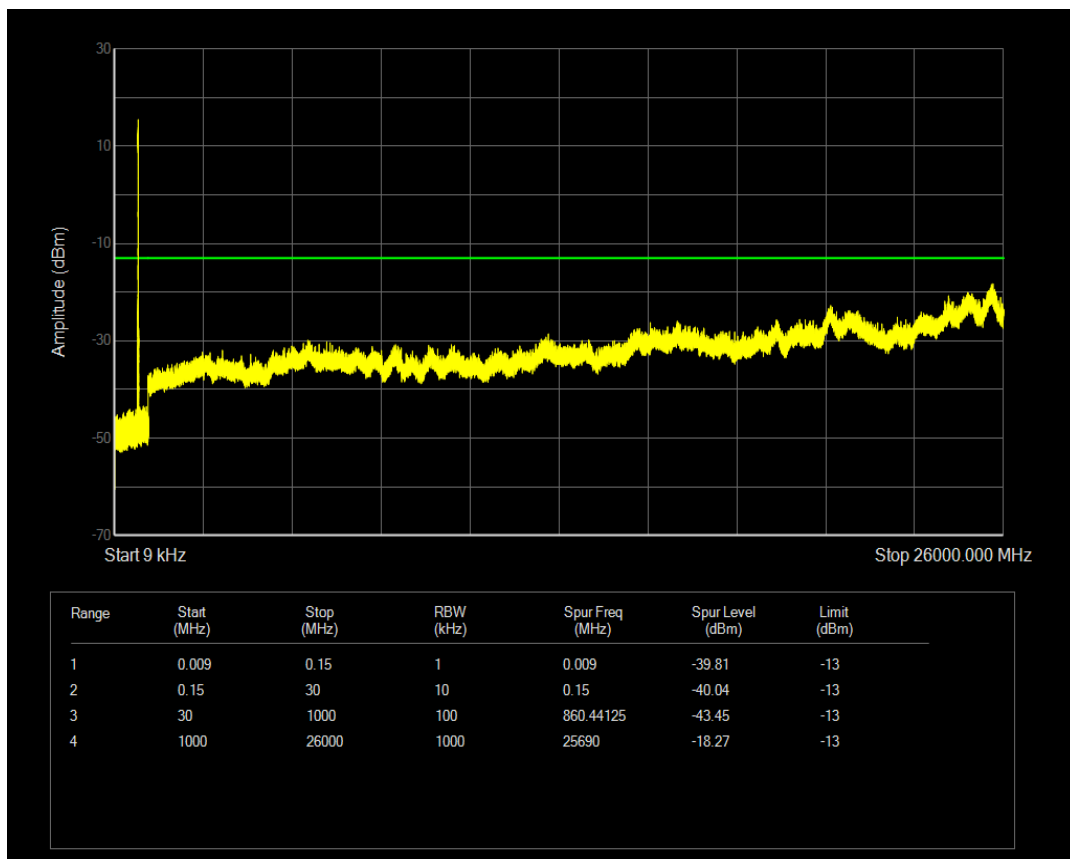


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

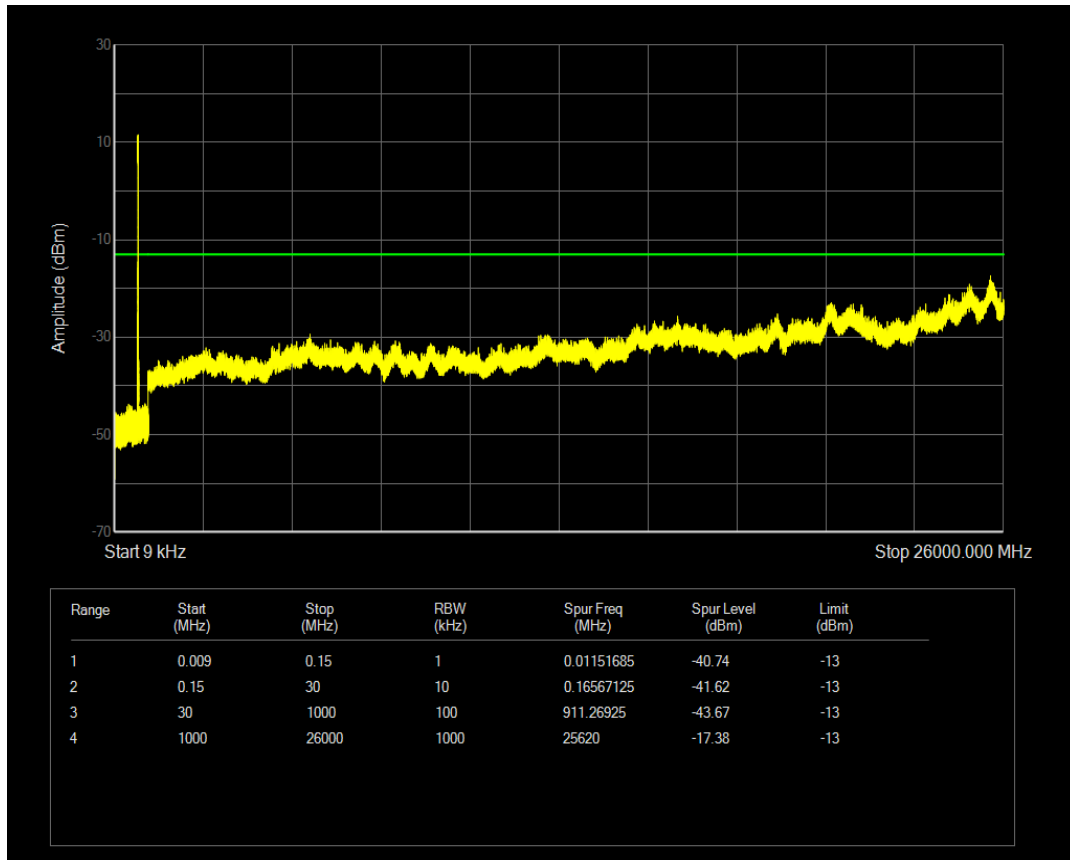




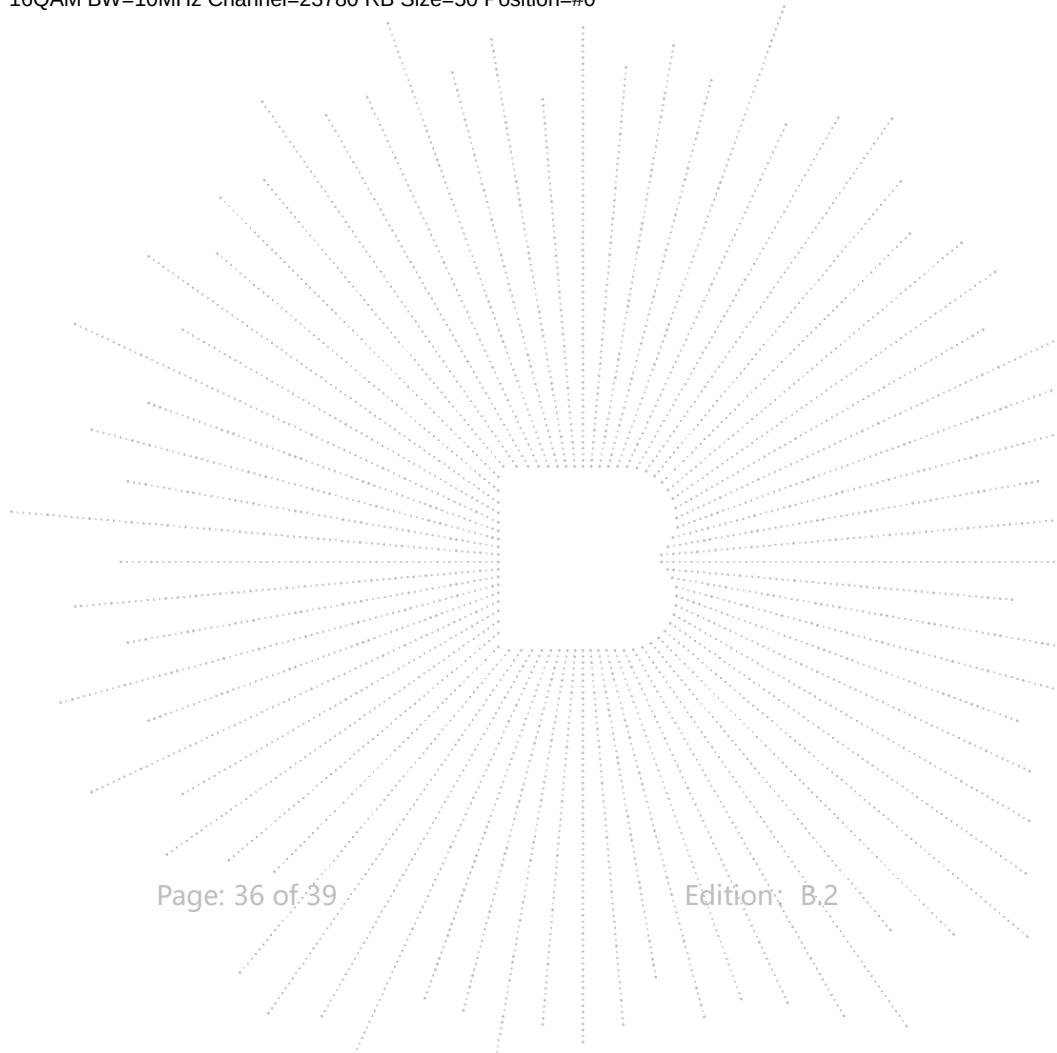
Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

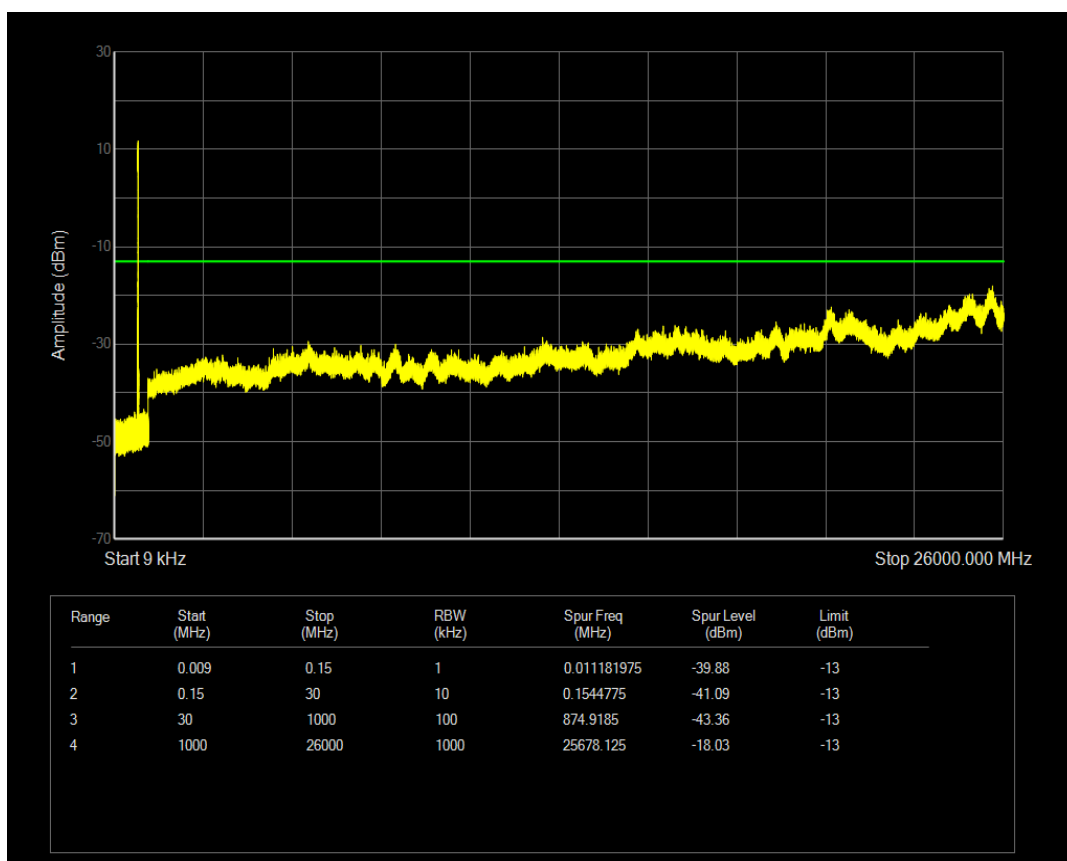


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

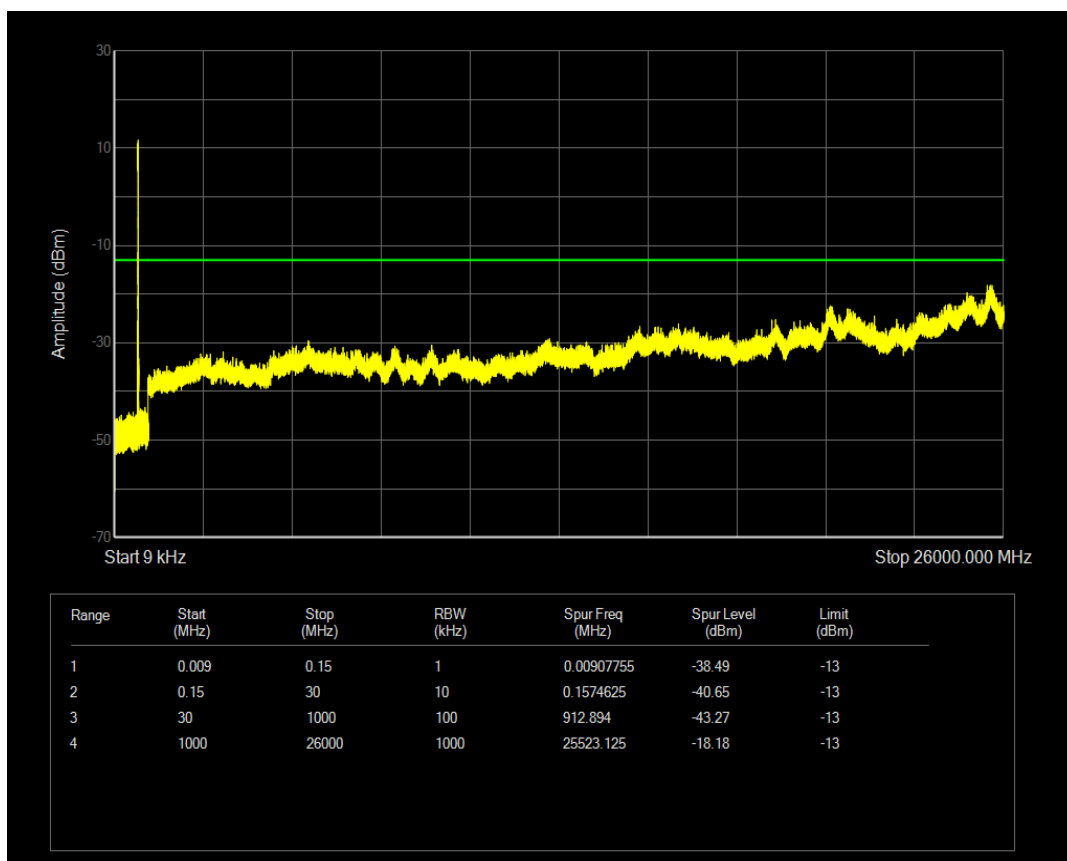


Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

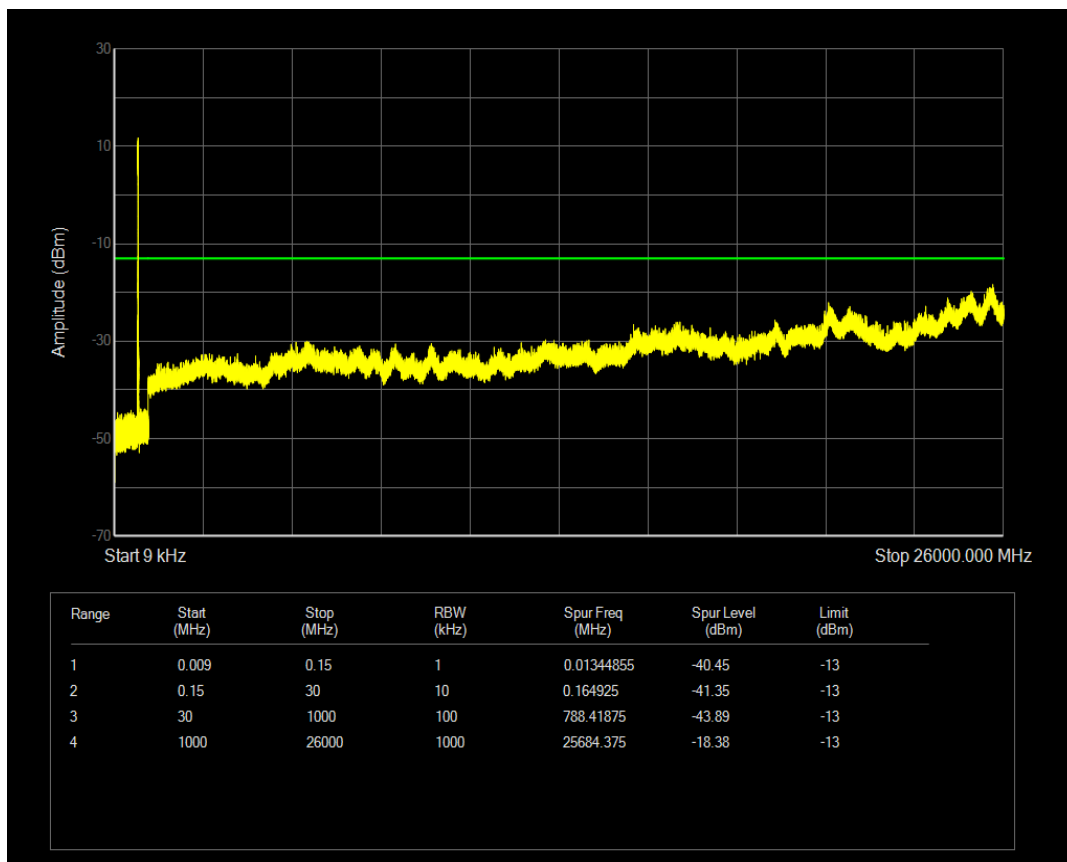




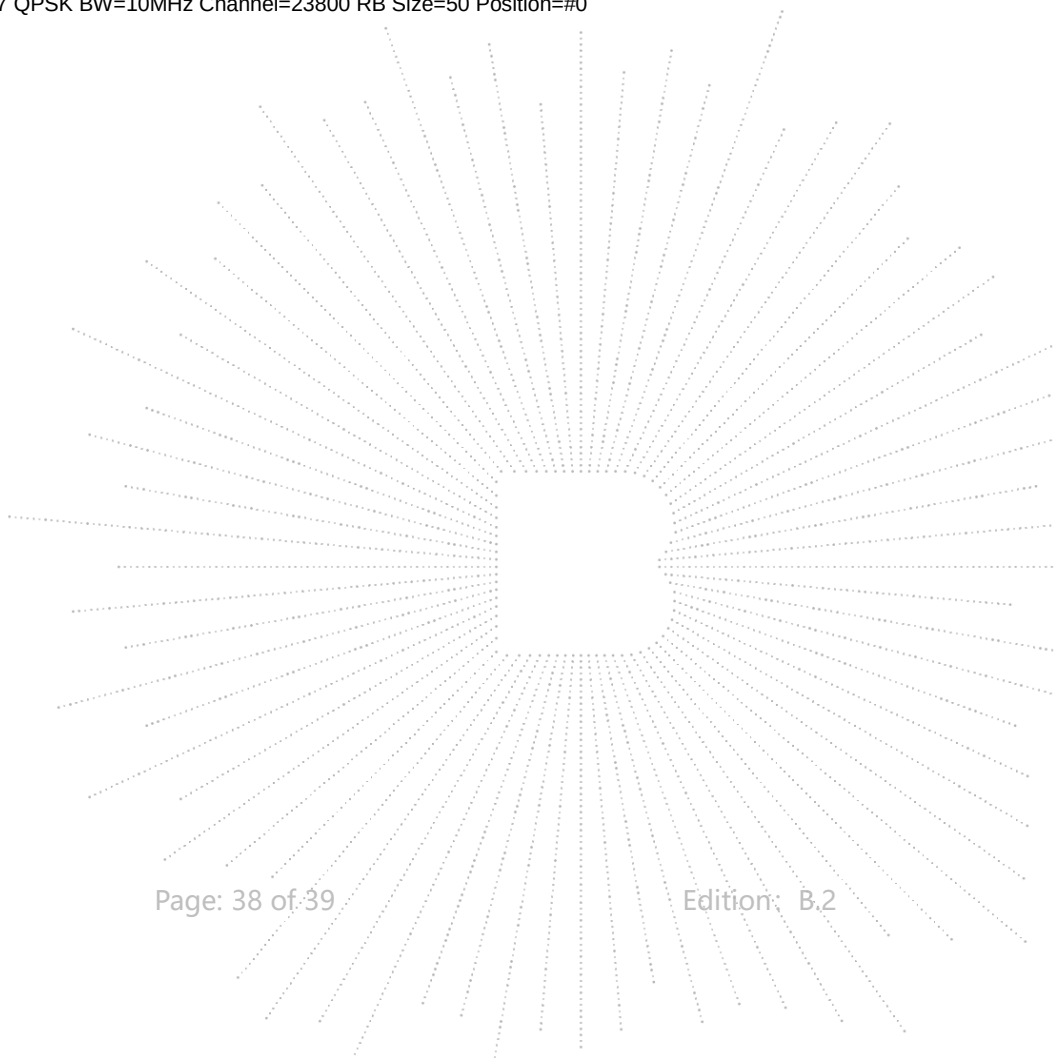
Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0

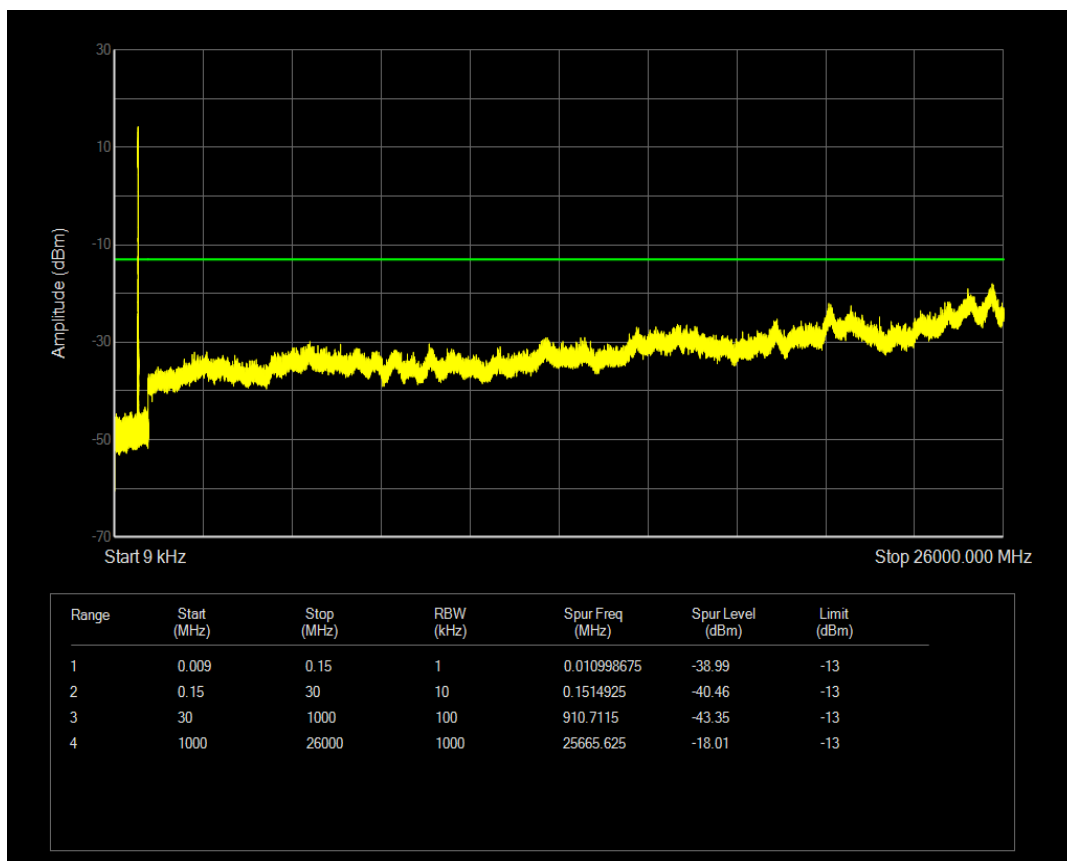


Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0



Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0

