

# Appendix for Band 38

Report No.: BCTC2408767493-2E

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Applicant: Shenzhen Minew Technologies Co., Ltd.

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Product Name: Tiny LTE Cellular Gateway

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Test Model: MG8

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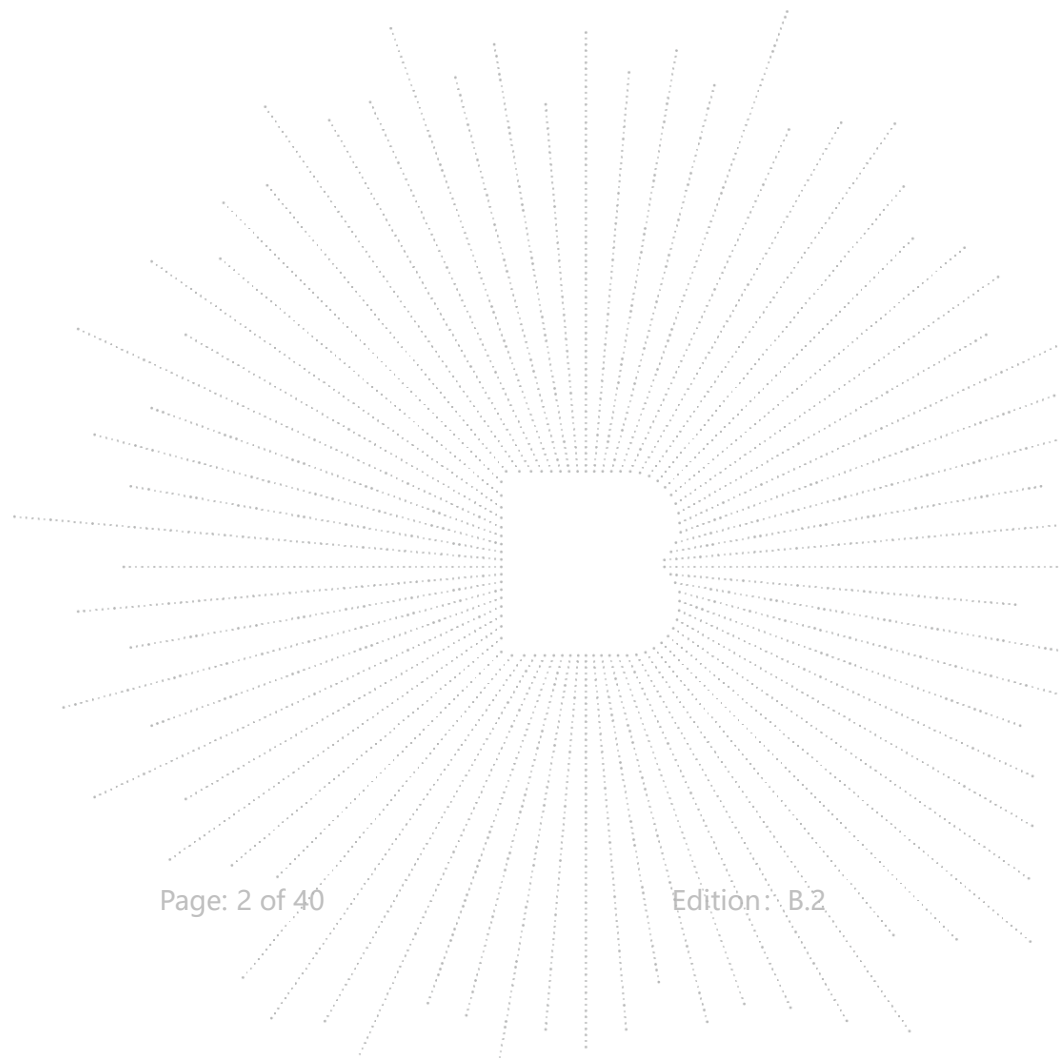
Tested Date: 2024-08-02 to 2024-08-28

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

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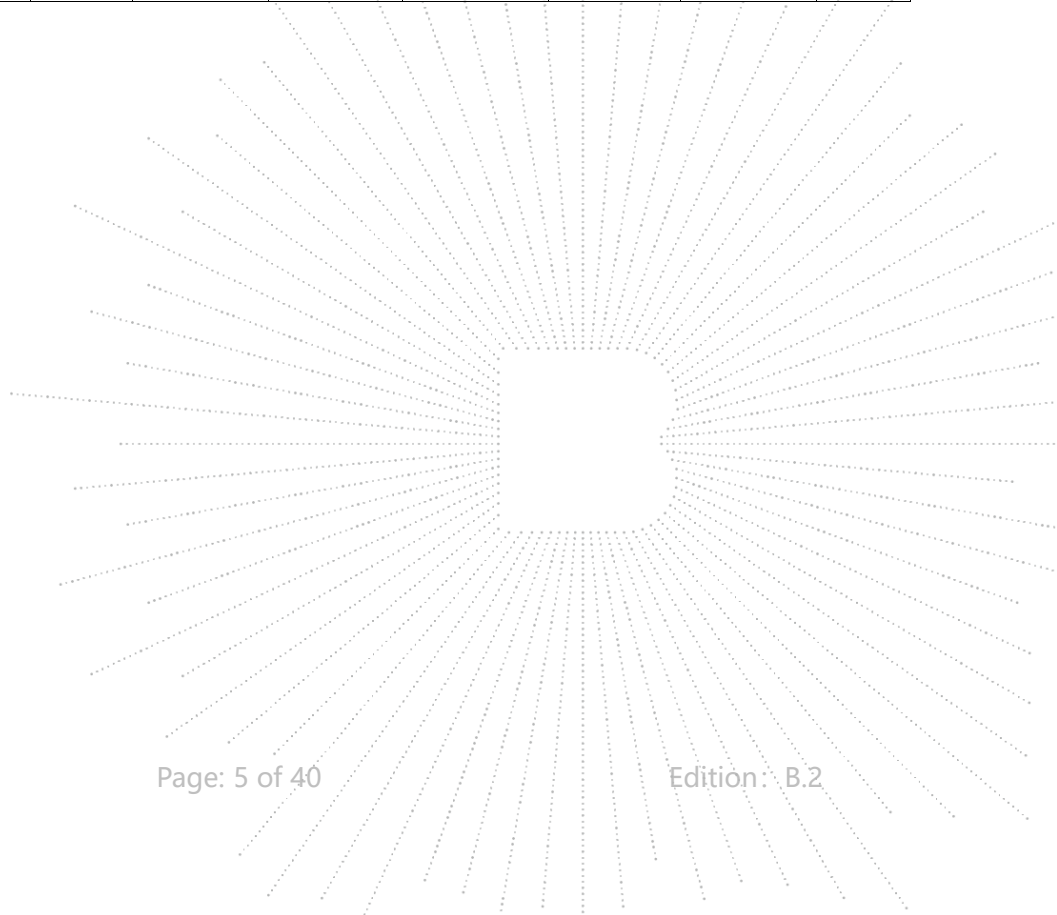
## Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power

### Measurement

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|---------------|---------------|---------|
| Band38 | 5                  | 37775         | 1          | #0             | QPSK       | 19.39          | 0.02          | 19.41         | PASS    |
| Band38 | 5                  | 37775         | 1          | #Mid           | QPSK       | 19.32          | 0.02          | 19.34         | PASS    |
| Band38 | 5                  | 37775         | 1          | #Max           | QPSK       | 19.28          | 0.02          | 19.30         | PASS    |
| Band38 | 5                  | 37775         | 12         | #0             | QPSK       | 18.44          | 0.02          | 18.46         | PASS    |
| Band38 | 5                  | 37775         | 12         | #Mid           | QPSK       | 18.41          | 0.02          | 18.43         | PASS    |
| Band38 | 5                  | 37775         | 12         | #Max           | QPSK       | 18.39          | 0.02          | 18.41         | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | 18.45          | 0.02          | 18.47         | PASS    |
| Band38 | 5                  | 37775         | 1          | #0             | 16QAM      | 18.95          | 0.02          | 18.97         | PASS    |
| Band38 | 5                  | 37775         | 1          | #Mid           | 16QAM      | 18.89          | 0.02          | 18.91         | PASS    |
| Band38 | 5                  | 37775         | 1          | #Max           | 16QAM      | 18.68          | 0.02          | 18.70         | PASS    |
| Band38 | 5                  | 37775         | 12         | #0             | 16QAM      | 17.42          | 0.02          | 17.44         | PASS    |
| Band38 | 5                  | 37775         | 12         | #Mid           | 16QAM      | 17.39          | 0.02          | 17.41         | PASS    |
| Band38 | 5                  | 37775         | 12         | #Max           | 16QAM      | 17.37          | 0.02          | 17.39         | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | 17.49          | 0.02          | 17.51         | PASS    |
| Band38 | 5                  | 38000         | 1          | #0             | QPSK       | 18.87          | 0.02          | 18.89         | PASS    |
| Band38 | 5                  | 38000         | 1          | #Mid           | QPSK       | 18.80          | 0.02          | 18.82         | PASS    |
| Band38 | 5                  | 38000         | 1          | #Max           | QPSK       | 18.86          | 0.02          | 18.88         | PASS    |
| Band38 | 5                  | 38000         | 12         | #0             | QPSK       | 17.91          | 0.02          | 17.93         | PASS    |
| Band38 | 5                  | 38000         | 12         | #Mid           | QPSK       | 17.90          | 0.02          | 17.92         | PASS    |
| Band38 | 5                  | 38000         | 12         | #Max           | QPSK       | 17.92          | 0.02          | 17.94         | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | 17.94          | 0.02          | 17.96         | PASS    |
| Band38 | 5                  | 38000         | 1          | #0             | 16QAM      | 18.16          | 0.02          | 18.18         | PASS    |
| Band38 | 5                  | 38000         | 1          | #Mid           | 16QAM      | 18.11          | 0.02          | 18.13         | PASS    |
| Band38 | 5                  | 38000         | 1          | #Max           | 16QAM      | 18.16          | 0.02          | 18.18         | PASS    |
| Band38 | 5                  | 38000         | 12         | #0             | 16QAM      | 16.83          | 0.02          | 16.85         | PASS    |
| Band38 | 5                  | 38000         | 12         | #Mid           | 16QAM      | 16.94          | 0.02          | 16.96         | PASS    |
| Band38 | 5                  | 38000         | 12         | #Max           | 16QAM      | 16.82          | 0.02          | 16.84         | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | 16.89          | 0.02          | 16.91         | PASS    |
| Band38 | 5                  | 38225         | 1          | #0             | QPSK       | 19.32          | 0.02          | 19.34         | PASS    |
| Band38 | 5                  | 38225         | 1          | #Mid           | QPSK       | 19.24          | 0.02          | 19.26         | PASS    |
| Band38 | 5                  | 38225         | 1          | #Max           | QPSK       | 19.16          | 0.02          | 19.18         | PASS    |
| Band38 | 5                  | 38225         | 12         | #0             | QPSK       | 18.23          | 0.02          | 18.25         | PASS    |
| Band38 | 5                  | 38225         | 12         | #Mid           | QPSK       | 18.21          | 0.02          | 18.23         | PASS    |
| Band38 | 5                  | 38225         | 12         | #Max           | QPSK       | 18.17          | 0.02          | 18.19         | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | 18.18          | 0.02          | 18.20         | PASS    |
| Band38 | 5                  | 38225         | 1          | #0             | 16QAM      | 18.80          | 0.02          | 18.82         | PASS    |

|        |    |       |    |      |       |       |      |       |      |
|--------|----|-------|----|------|-------|-------|------|-------|------|
| Band38 | 5  | 38225 | 1  | #Mid | 16QAM | 18.73 | 0.02 | 18.75 | PASS |
| Band38 | 5  | 38225 | 1  | #Max | 16QAM | 18.66 | 0.02 | 18.68 | PASS |
| Band38 | 5  | 38225 | 12 | #0   | 16QAM | 17.30 | 0.02 | 17.32 | PASS |
| Band38 | 5  | 38225 | 12 | #Mid | 16QAM | 17.25 | 0.02 | 17.27 | PASS |
| Band38 | 5  | 38225 | 12 | #Max | 16QAM | 17.25 | 0.02 | 17.27 | PASS |
| Band38 | 5  | 38225 | 25 | #0   | 16QAM | 17.21 | 0.02 | 17.23 | PASS |
| Band38 | 10 | 37800 | 1  | #0   | QPSK  | 19.26 | 0.02 | 19.28 | PASS |
| Band38 | 10 | 37800 | 1  | #Mid | QPSK  | 19.09 | 0.02 | 19.11 | PASS |
| Band38 | 10 | 37800 | 1  | #Max | QPSK  | 18.80 | 0.02 | 18.82 | PASS |
| Band38 | 10 | 37800 | 25 | #0   | QPSK  | 18.20 | 0.02 | 18.22 | PASS |
| Band38 | 10 | 37800 | 25 | #Mid | QPSK  | 18.08 | 0.02 | 18.10 | PASS |
| Band38 | 10 | 37800 | 25 | #Max | QPSK  | 17.98 | 0.02 | 18.00 | PASS |
| Band38 | 10 | 37800 | 50 | #0   | QPSK  | 18.11 | 0.02 | 18.13 | PASS |
| Band38 | 10 | 38000 | 1  | #0   | QPSK  | 18.86 | 0.02 | 18.88 | PASS |
| Band38 | 10 | 38000 | 1  | #Mid | QPSK  | 18.73 | 0.02 | 18.75 | PASS |
| Band38 | 10 | 38000 | 1  | #Max | QPSK  | 18.81 | 0.02 | 18.83 | PASS |
| Band38 | 10 | 38000 | 25 | #0   | QPSK  | 17.91 | 0.02 | 17.93 | PASS |
| Band38 | 10 | 38000 | 25 | #Mid | QPSK  | 17.83 | 0.02 | 17.85 | PASS |
| Band38 | 10 | 38000 | 25 | #Max | QPSK  | 17.80 | 0.02 | 17.82 | PASS |
| Band38 | 10 | 38000 | 50 | #0   | QPSK  | 17.81 | 0.02 | 17.83 | PASS |
| Band38 | 10 | 38200 | 1  | #0   | QPSK  | 19.32 | 0.02 | 19.34 | PASS |
| Band38 | 10 | 38200 | 1  | #Mid | QPSK  | 19.19 | 0.02 | 19.21 | PASS |
| Band38 | 10 | 38200 | 1  | #Max | QPSK  | 19.05 | 0.02 | 19.07 | PASS |
| Band38 | 10 | 38200 | 25 | #0   | QPSK  | 18.33 | 0.02 | 18.35 | PASS |
| Band38 | 10 | 38200 | 25 | #Mid | QPSK  | 18.28 | 0.02 | 18.30 | PASS |
| Band38 | 10 | 38200 | 25 | #Max | QPSK  | 18.20 | 0.02 | 18.22 | PASS |
| Band38 | 10 | 38200 | 50 | #0   | QPSK  | 18.27 | 0.02 | 18.29 | PASS |
| Band38 | 15 | 37825 | 1  | #0   | QPSK  | 19.29 | 0.02 | 19.31 | PASS |
| Band38 | 15 | 37825 | 1  | #Mid | QPSK  | 19.05 | 0.02 | 19.07 | PASS |
| Band38 | 15 | 37825 | 1  | #Max | QPSK  | 18.66 | 0.02 | 18.68 | PASS |
| Band38 | 15 | 37825 | 36 | #0   | QPSK  | 18.35 | 0.02 | 18.37 | PASS |
| Band38 | 15 | 37825 | 36 | #Mid | QPSK  | 18.18 | 0.02 | 18.20 | PASS |
| Band38 | 15 | 37825 | 36 | #Max | QPSK  | 17.98 | 0.02 | 18.00 | PASS |
| Band38 | 15 | 37825 | 75 | #0   | QPSK  | 19.10 | 0.02 | 19.12 | PASS |
| Band38 | 15 | 38000 | 1  | #0   | QPSK  | 18.77 | 0.02 | 18.79 | PASS |
| Band38 | 15 | 38000 | 1  | #Mid | QPSK  | 18.66 | 0.02 | 18.68 | PASS |
| Band38 | 15 | 38000 | 1  | #Max | QPSK  | 18.76 | 0.02 | 18.78 | PASS |
| Band38 | 15 | 38000 | 36 | #0   | QPSK  | 17.76 | 0.02 | 17.78 | PASS |
| Band38 | 15 | 38000 | 36 | #Mid | QPSK  | 17.66 | 0.02 | 17.68 | PASS |
| Band38 | 15 | 38000 | 36 | #Max | QPSK  | 17.76 | 0.02 | 17.78 | PASS |
| Band38 | 15 | 38000 | 75 | #0   | QPSK  | 18.84 | 0.02 | 18.86 | PASS |
| Band38 | 15 | 38175 | 1  | #0   | QPSK  | 19.07 | 0.02 | 19.09 | PASS |
| Band38 | 15 | 38175 | 1  | #Mid | QPSK  | 19.02 | 0.02 | 19.04 | PASS |

|        |    |       |     |      |      |       |      |       |      |
|--------|----|-------|-----|------|------|-------|------|-------|------|
| Band38 | 15 | 38175 | 1   | #Max | QPSK | 18.77 | 0.02 | 18.79 | PASS |
| Band38 | 15 | 38175 | 36  | #0   | QPSK | 18.10 | 0.02 | 18.12 | PASS |
| Band38 | 15 | 38175 | 36  | #Mid | QPSK | 18.06 | 0.02 | 18.08 | PASS |
| Band38 | 15 | 38175 | 36  | #Max | QPSK | 17.94 | 0.02 | 17.96 | PASS |
| Band38 | 15 | 38175 | 75  | #0   | QPSK | 18.90 | 0.02 | 18.92 | PASS |
| Band38 | 20 | 37850 | 1   | #0   | QPSK | 20.18 | 0.02 | 20.20 | PASS |
| Band38 | 20 | 37850 | 1   | #Mid | QPSK | 19.73 | 0.02 | 19.75 | PASS |
| Band38 | 20 | 37850 | 1   | #Max | QPSK | 19.40 | 0.02 | 19.42 | PASS |
| Band38 | 20 | 37850 | 50  | #0   | QPSK | 18.88 | 0.02 | 18.90 | PASS |
| Band38 | 20 | 37850 | 50  | #Mid | QPSK | 18.63 | 0.02 | 18.65 | PASS |
| Band38 | 20 | 37850 | 50  | #Max | QPSK | 18.41 | 0.02 | 18.43 | PASS |
| Band38 | 20 | 37850 | 100 | #0   | QPSK | 19.62 | 0.02 | 19.64 | PASS |
| Band38 | 20 | 38000 | 1   | #0   | QPSK | 19.55 | 0.02 | 19.57 | PASS |
| Band38 | 20 | 38000 | 1   | #Mid | QPSK | 19.47 | 0.02 | 19.49 | PASS |
| Band38 | 20 | 38000 | 1   | #Max | QPSK | 19.57 | 0.02 | 19.59 | PASS |
| Band38 | 20 | 38000 | 50  | #0   | QPSK | 18.42 | 0.02 | 18.44 | PASS |
| Band38 | 20 | 38000 | 50  | #Mid | QPSK | 18.42 | 0.02 | 18.44 | PASS |
| Band38 | 20 | 38000 | 50  | #Max | QPSK | 18.42 | 0.02 | 18.44 | PASS |
| Band38 | 20 | 38000 | 100 | #0   | QPSK | 19.39 | 0.02 | 19.41 | PASS |
| Band38 | 20 | 38150 | 1   | #0   | QPSK | 19.71 | 0.02 | 19.73 | PASS |
| Band38 | 20 | 38150 | 1   | #Mid | QPSK | 19.83 | 0.02 | 19.85 | PASS |
| Band38 | 20 | 38150 | 1   | #Max | QPSK | 19.55 | 0.02 | 19.57 | PASS |
| Band38 | 20 | 38150 | 50  | #0   | QPSK | 18.72 | 0.02 | 18.74 | PASS |
| Band38 | 20 | 38150 | 50  | #Mid | QPSK | 18.77 | 0.02 | 18.79 | PASS |
| Band38 | 20 | 38150 | 50  | #Max | QPSK | 18.68 | 0.02 | 18.70 | PASS |
| Band38 | 20 | 38150 | 100 | #0   | QPSK | 19.42 | 0.02 | 19.44 | 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 |
|--------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | LV               | NT                | 1.16           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | NT                | -0.70          | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | HV               | NT                | 0.76           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | LV               | NT                | 1.24           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | NT                | 0.09           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | HV               | NT                | 1.06           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | LV               | NT                | 0.36           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | NT                | -1.96          | -0.001          | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | HV               | NT                | 0.10           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | LV               | NT                | -1.39          | -0.001          | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | NT                | 0.00           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | HV               | NT                | -2.35          | -0.001          | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | LV               | NT                | 0.73           | 0.000           | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | NV               | NT                | 0.26           | 0.000           | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | HV               | NT                | 0.69           | 0.000           | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | 16QAM      | LV               | NT                | -1.63          | -0.001          | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | 16QAM      | NV               | NT                | 0.44           | 0.000           | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | 16QAM      | HV               | NT                | -1.82          | -0.001          | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QPSK       | LV               | NT                | -0.83          | 0.000           | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QPSK       | NV               | NT                | -0.11          | 0.000           | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QPSK       | HV               | NT                | 1.67           | 0.001           | PASS    |
| Band38 | 10                 | 38000         | 50         | #0             | QPSK       | LV               | NT                | -0.83          | 0.000           | PASS    |
| Band38 | 10                 | 38000         | 50         | #0             | QPSK       | NV               | NT                | 0.53           | 0.000           | PASS    |
| Band38 | 10                 | 38000         | 50         | #0             | QPSK       | HV               | NT                | -0.80          | 0.000           | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QPSK       | LV               | NT                | -1.60          | -0.001          | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QPSK       | NV               | NT                | -3.13          | -0.001          | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QPSK       | HV               | NT                | 0.07           | 0.000           | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QPSK       | LV               | NT                | 0.77           | 0.000           | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QPSK       | NV               | NT                | -0.54          | 0.000           | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QPSK       | HV               | NT                | 1.03           | 0.000           | PASS    |
| Band38 | 15                 | 38000         | 75         | #0             | QPSK       | LV               | NT                | 0.07           | 0.000           | PASS    |
| Band38 | 15                 | 38000         | 75         | #0             | QPSK       | NV               | NT                | 0.07           | 0.000           | PASS    |
| Band38 | 15                 | 38000         | 75         | #0             | QPSK       | HV               | NT                | 0.34           | 0.000           | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QPSK       | LV               | NT                | -1.22          | 0.000           | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QPSK       | NV               | NT                | 1.07           | 0.000           | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QPSK       | HV               | NT                | -1.12          | 0.000           | PASS    |
| Band38 | 20                 | 37850         | 100        | #0             | QPSK       | LV               | NT                | -0.06          | 0.000           | PASS    |
| Band38 | 20                 | 37850         | 100        | #0             | QPSK       | NV               | NT                | -0.86          | 0.000           | PASS    |

|        |    |       |     |    |      |    |    |       |       |      |
|--------|----|-------|-----|----|------|----|----|-------|-------|------|
| Band38 | 20 | 37850 | 100 | #0 | QPSK | HV | NT | -0.07 | 0.000 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | LV | NT | 2.96  | 0.001 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | NT | 0.51  | 0.000 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | HV | NT | 0.89  | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | LV | NT | -1.24 | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | NT | 0.10  | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | HV | NT | -0.27 | 0.000 | PASS |

| 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 |
|--------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | -30               | 1.24           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | -20               | 2.00           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | -10               | 2.23           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | 0                 | 0.90           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | 10                | 4.26           | 0.002           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | 20                | 3.08           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | 30                | 1.65           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | 40                | 2.72           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | NV               | 50                | 3.15           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | -30               | 0.96           | 0.000           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | -20               | 1.92           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | -10               | 2.13           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | 0                 | 2.27           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | 10                | 4.45           | 0.002           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | 20                | 4.08           | 0.002           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | 30                | 3.55           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | 40                | 2.49           | 0.001           | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | 16QAM      | NV               | 50                | 2.68           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | -30               | 0.74           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | -20               | 1.09           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | -10               | 1.36           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | 0                 | 1.82           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | 10                | 1.92           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | 20                | 2.79           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | 30                | 3.10           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | 40                | 0.33           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | NV               | 50                | 0.16           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | -30               | 2.69           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | -20               | 1.63           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | -10               | 0.59           | 0.000           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | 0                 | 1.54           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | 10                | 2.83           | 0.001           | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | 16QAM      | NV               | 20                | 0.97           | 0.000           | PASS    |

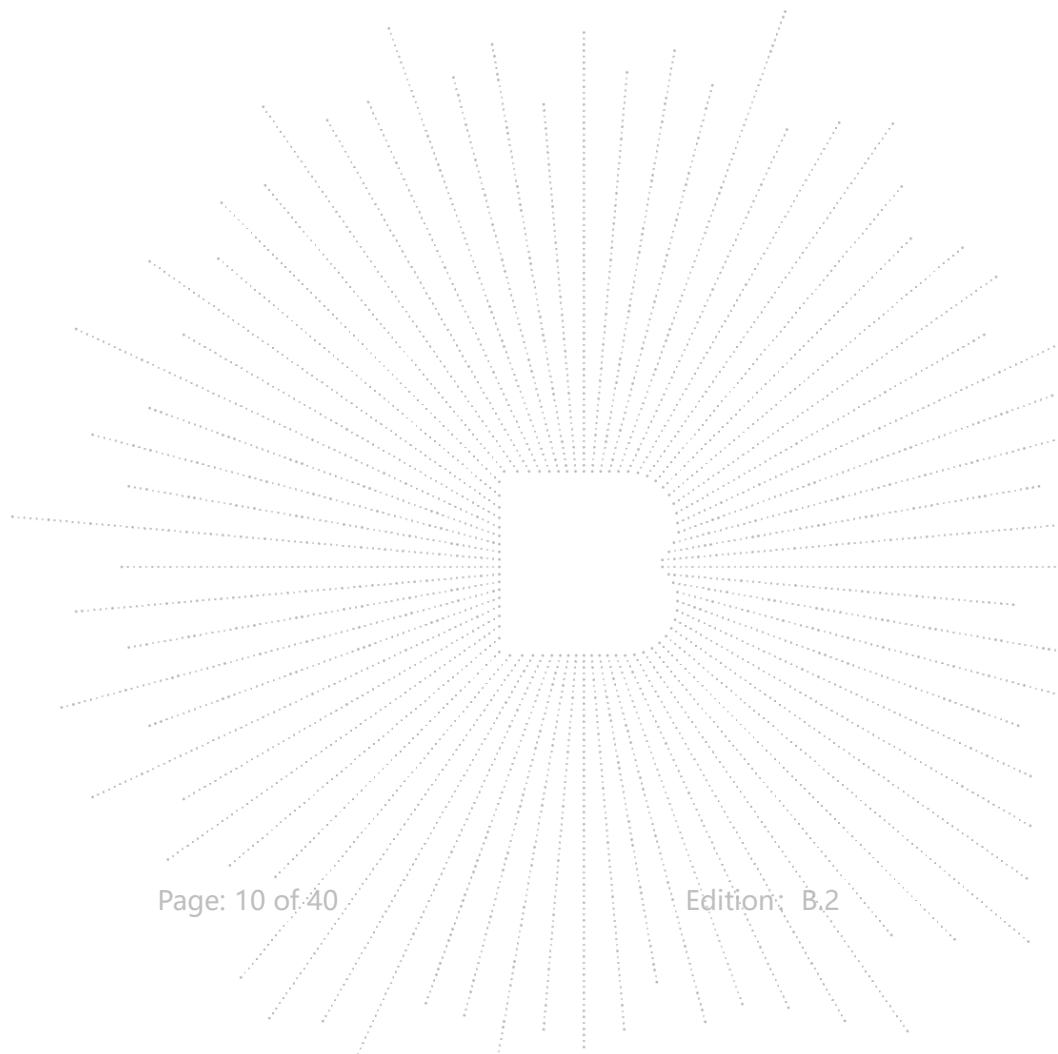


|        |    |       |    |    |       |    |     |       |        |      |
|--------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band38 | 5  | 38000 | 25 | #0 | 16QAM | NV | 30  | 1.62  | 0.001  | PASS |
| Band38 | 5  | 38000 | 25 | #0 | 16QAM | NV | 40  | 1.99  | 0.001  | PASS |
| Band38 | 5  | 38000 | 25 | #0 | 16QAM | NV | 50  | 3.43  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | -30 | -0.46 | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | -20 | 1.56  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | -10 | -0.43 | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | 0   | 0.63  | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | 10  | 0.96  | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | 20  | 0.17  | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | 30  | 1.59  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | 40  | 0.43  | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | QPSK  | NV | 50  | 2.22  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | -30 | 2.03  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | -20 | 1.33  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | -10 | 0.93  | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | 0   | -0.26 | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | 10  | 3.86  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | 20  | 0.92  | 0.000  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | 30  | 1.75  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | 40  | 1.59  | 0.001  | PASS |
| Band38 | 5  | 38225 | 25 | #0 | 16QAM | NV | 50  | 2.39  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | -30 | 0.09  | 0.000  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | -20 | 1.46  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | -10 | 2.46  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | 0   | 3.23  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | 10  | 3.23  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | 20  | 2.66  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | 30  | 1.77  | 0.001  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | 40  | 4.06  | 0.002  | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK  | NV | 50  | 3.50  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | -30 | 1.60  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | -20 | 0.79  | 0.000  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | -10 | 3.50  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | 0   | 3.29  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | 10  | 1.50  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | 20  | 1.33  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | 30  | 1.44  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | 40  | 1.90  | 0.001  | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK  | NV | 50  | 1.40  | 0.001  | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QPSK  | NV | -30 | 1.40  | 0.001  | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QPSK  | NV | -20 | 0.51  | 0.000  | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QPSK  | NV | -10 | -1.86 | -0.001 | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QPSK  | NV | 0   | 1.36  | 0.001  | PASS |



|        |    |       |     |    |      |    |     |       |        |      |
|--------|----|-------|-----|----|------|----|-----|-------|--------|------|
| Band38 | 10 | 38200 | 50  | #0 | QPSK | NV | 10  | 0.51  | 0.000  | PASS |
| Band38 | 10 | 38200 | 50  | #0 | QPSK | NV | 20  | 0.92  | 0.000  | PASS |
| Band38 | 10 | 38200 | 50  | #0 | QPSK | NV | 30  | -1.66 | -0.001 | PASS |
| Band38 | 10 | 38200 | 50  | #0 | QPSK | NV | 40  | 0.90  | 0.000  | PASS |
| Band38 | 10 | 38200 | 50  | #0 | QPSK | NV | 50  | 0.76  | 0.000  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | -30 | 2.98  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | -20 | 2.36  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | -10 | 1.47  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | 0   | 2.55  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | 10  | 1.82  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | 20  | 3.15  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | 30  | 1.47  | 0.001  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | 40  | 0.69  | 0.000  | PASS |
| Band38 | 15 | 37825 | 75  | #0 | QPSK | NV | 50  | 0.72  | 0.000  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | -30 | 3.85  | 0.001  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | -20 | 1.20  | 0.000  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | -10 | 0.96  | 0.000  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | 0   | 2.56  | 0.001  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | 10  | 1.96  | 0.001  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | 20  | 3.29  | 0.001  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | 30  | 2.05  | 0.001  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | 40  | 1.90  | 0.001  | PASS |
| Band38 | 15 | 38000 | 75  | #0 | QPSK | NV | 50  | 2.33  | 0.001  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | -30 | 0.76  | 0.000  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | -20 | 0.90  | 0.000  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | -10 | 1.36  | 0.001  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | 0   | 1.77  | 0.001  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | 10  | 2.49  | 0.001  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | 20  | 0.49  | 0.000  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | 30  | -0.66 | 0.000  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | 40  | 0.56  | 0.000  | PASS |
| Band38 | 15 | 38175 | 75  | #0 | QPSK | NV | 50  | 1.19  | 0.000  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | -30 | 2.66  | 0.001  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | -20 | 3.78  | 0.001  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | -10 | 2.23  | 0.001  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | 0   | 2.19  | 0.001  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | 10  | 2.06  | 0.001  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | 20  | 0.40  | 0.000  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | 30  | 1.80  | 0.001  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | 40  | 0.60  | 0.000  | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | NV | 50  | 2.09  | 0.001  | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | -30 | 2.33  | 0.001  | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | -20 | 1.90  | 0.001  | PASS |

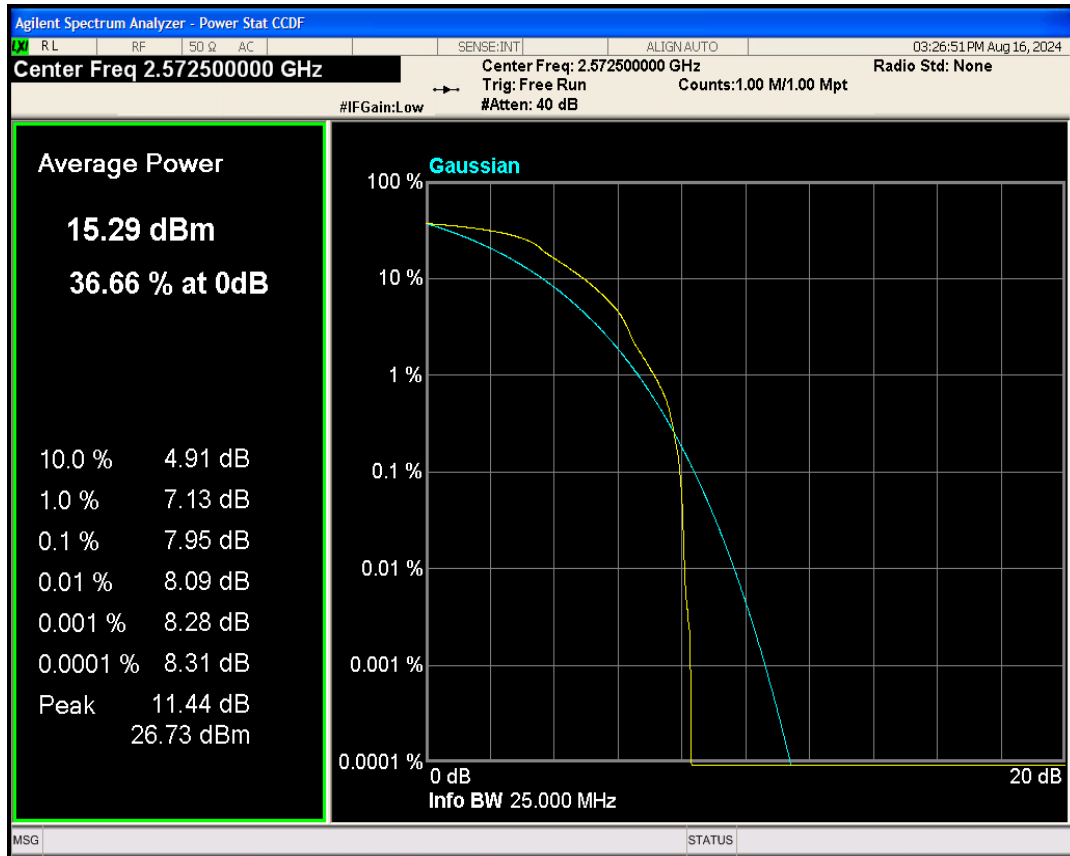
|        |    |       |     |    |      |    |     |       |       |      |
|--------|----|-------|-----|----|------|----|-----|-------|-------|------|
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | -10 | 2.45  | 0.001 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | 0   | 0.99  | 0.000 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | 10  | 0.94  | 0.000 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | 20  | 0.21  | 0.000 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | 30  | 3.03  | 0.001 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | 40  | 2.76  | 0.001 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | NV | 50  | 1.62  | 0.001 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | -30 | -0.03 | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | -20 | 0.51  | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | -10 | 2.57  | 0.001 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | 0   | 2.27  | 0.001 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | 10  | 1.72  | 0.001 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | 20  | 1.42  | 0.001 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | 30  | -0.17 | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | 40  | -0.06 | 0.000 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | NV | 50  | 3.38  | 0.001 | PASS |



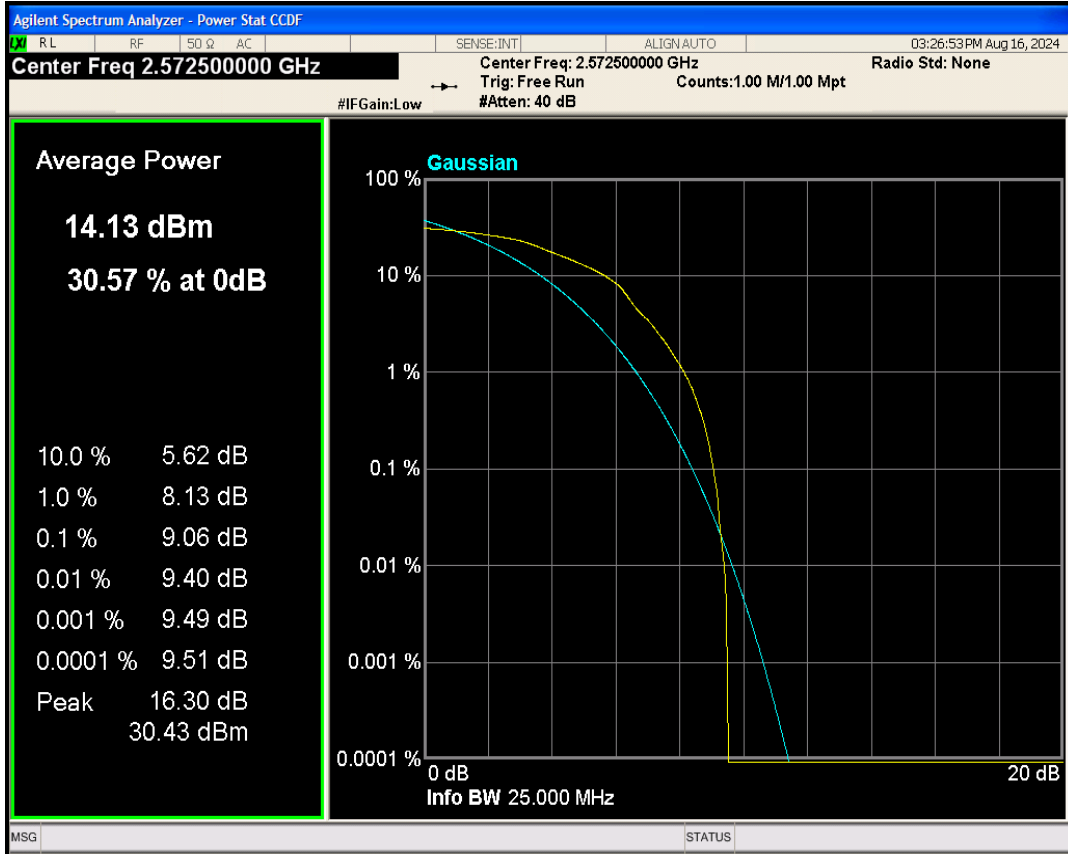
### Appendix 3. Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band38 | 5               | 37775      | 1       | #0          | QPSK       | 7.95        | 13              | PASS    |
| Band38 | 5               | 37775      | 1       | #0          | 16QAM      | 9.06        | 13              | PASS    |
| Band38 | 5               | 38000      | 1       | #0          | QPSK       | 8.77        | 13              | PASS    |
| Band38 | 5               | 38000      | 1       | #0          | 16QAM      | 8.66        | 13              | PASS    |
| Band38 | 5               | 38225      | 1       | #0          | QPSK       | 9.42        | 13              | PASS    |
| Band38 | 5               | 38225      | 1       | #0          | 16QAM      | 10.26       | 13              | PASS    |
| Band38 | 10              | 37800      | 1       | #0          | QPSK       | 8.52        | 13              | PASS    |
| Band38 | 10              | 38000      | 1       | #0          | QPSK       | 8.33        | 13              | PASS    |
| Band38 | 10              | 38200      | 1       | #0          | QPSK       | 11.05       | 13              | PASS    |
| Band38 | 15              | 37825      | 1       | #0          | QPSK       | 8.83        | 13              | PASS    |
| Band38 | 15              | 38000      | 1       | #0          | QPSK       | 7.63        | 13              | PASS    |
| Band38 | 15              | 38175      | 1       | #0          | QPSK       | 9.17        | 13              | PASS    |
| Band38 | 20              | 37850      | 1       | #0          | QPSK       | 9.73        | 13              | PASS    |
| Band38 | 20              | 38000      | 1       | #0          | QPSK       | 8.81        | 13              | PASS    |
| Band38 | 20              | 38150      | 1       | #0          | QPSK       | 9.05        | 13              | PASS    |

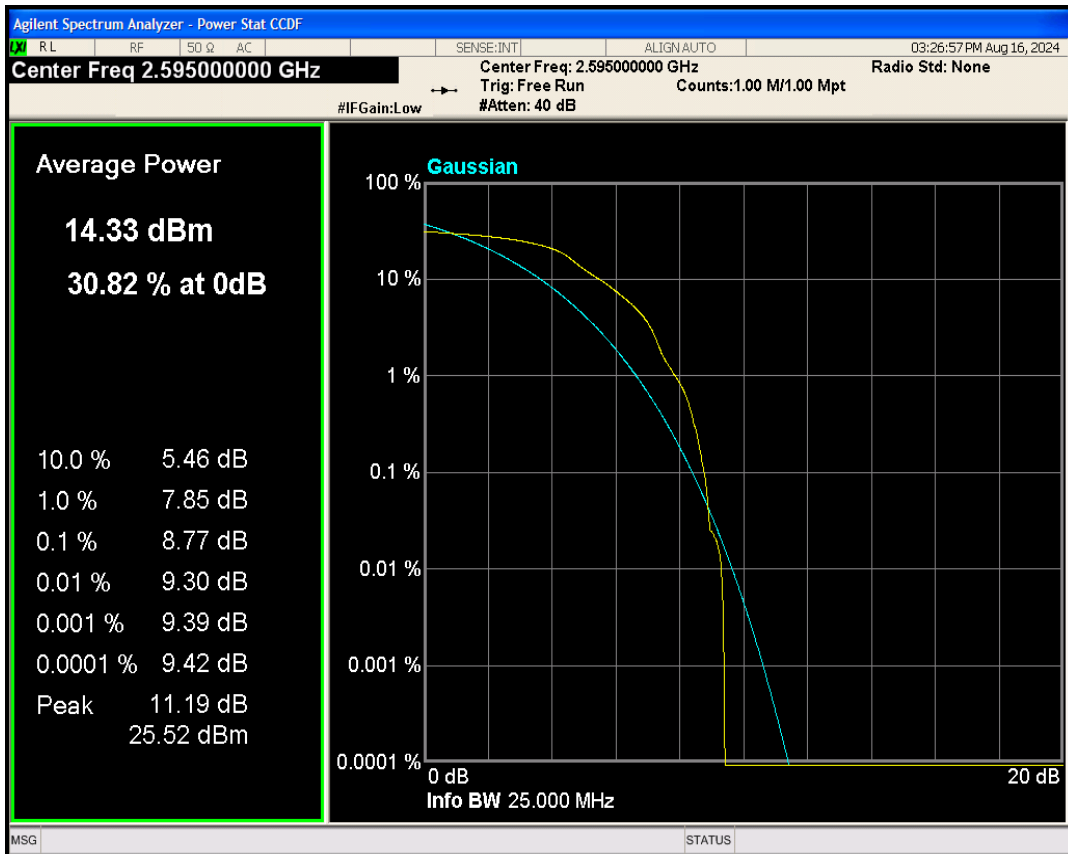
Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#0



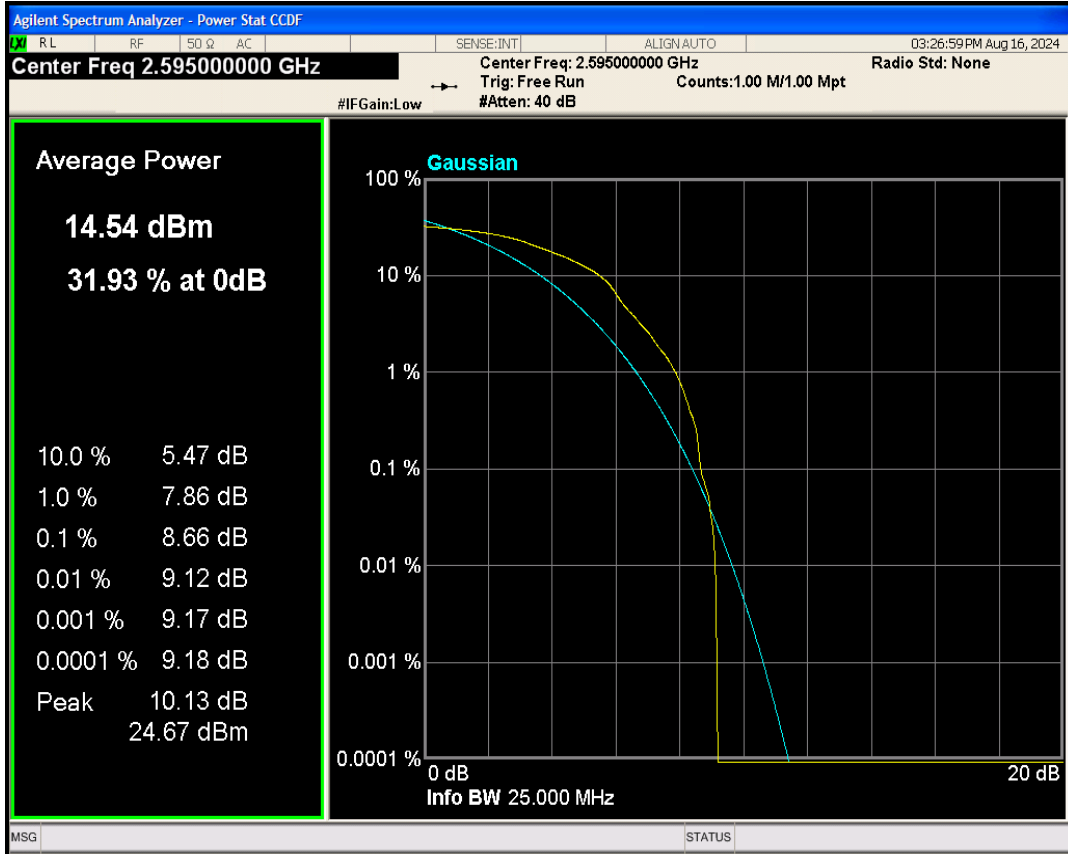
Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#0



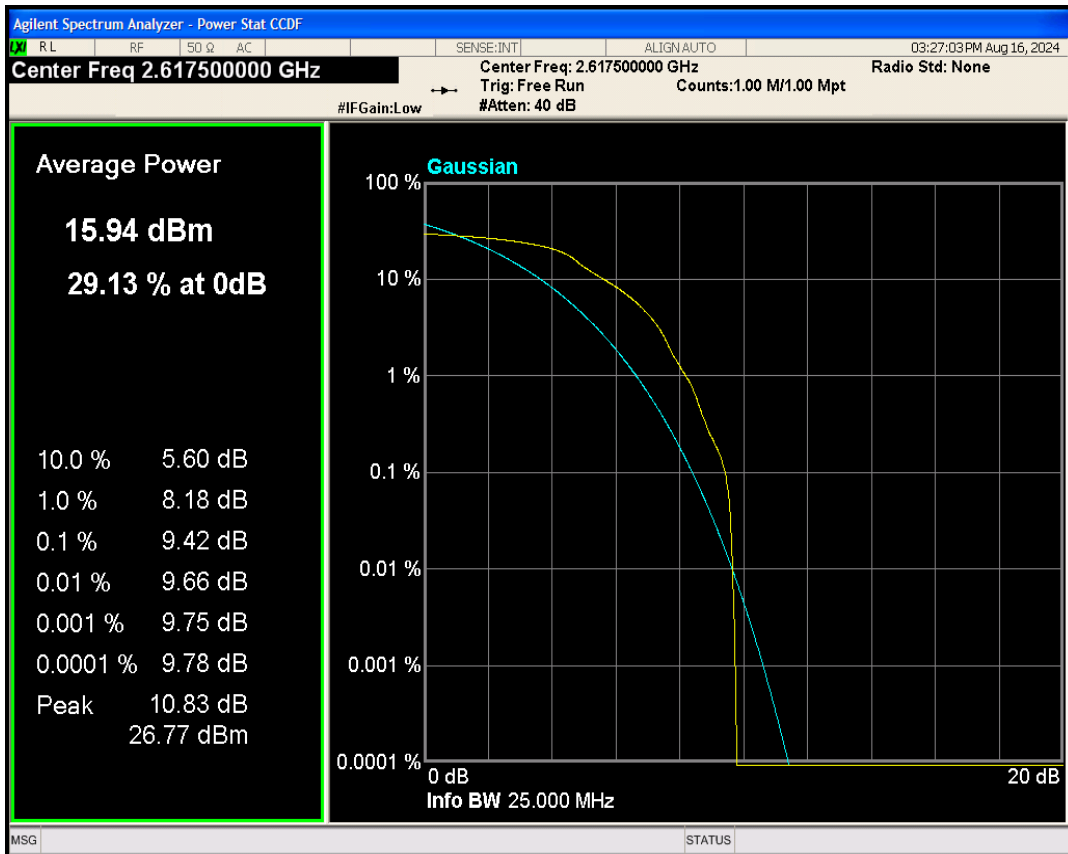
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



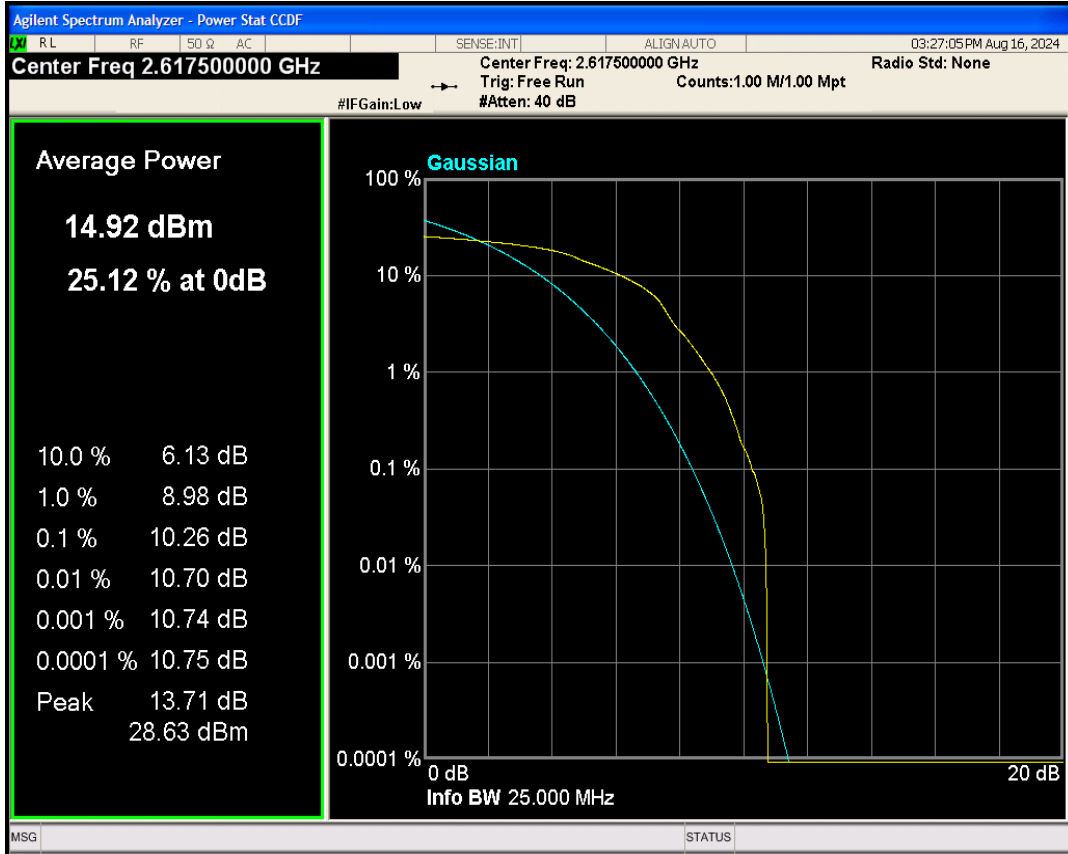
Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#0



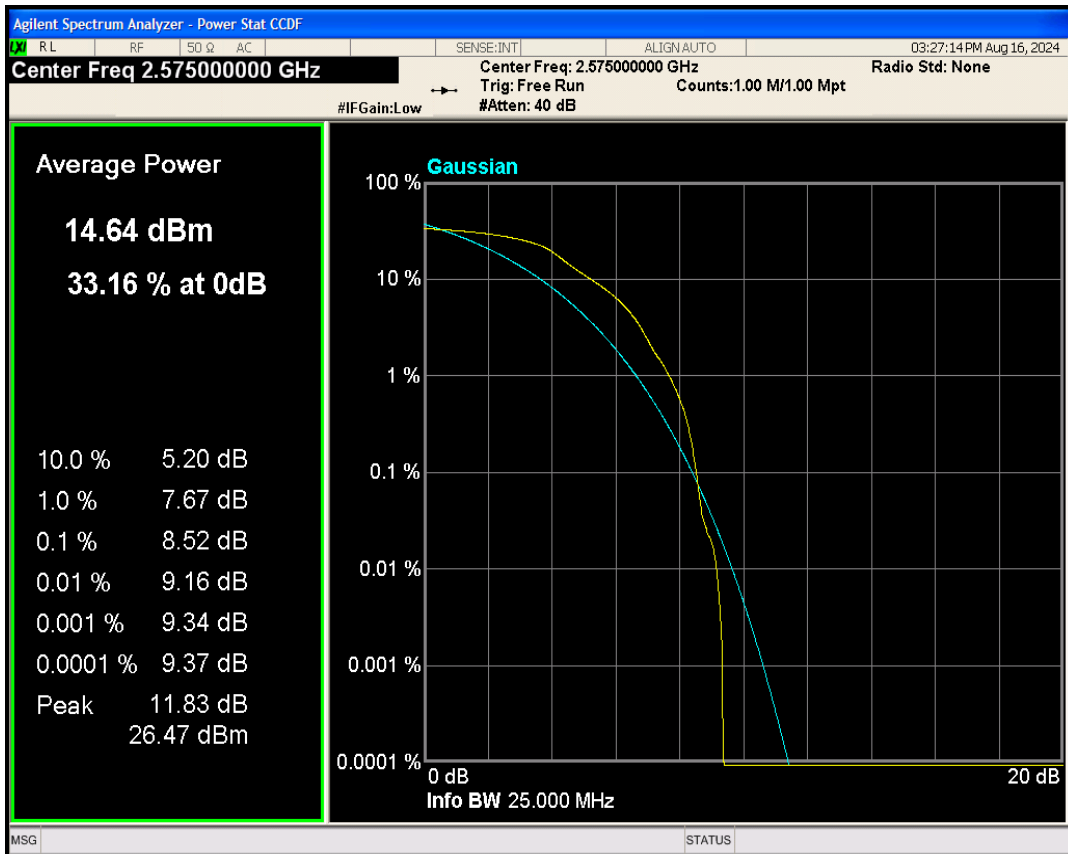
Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#0



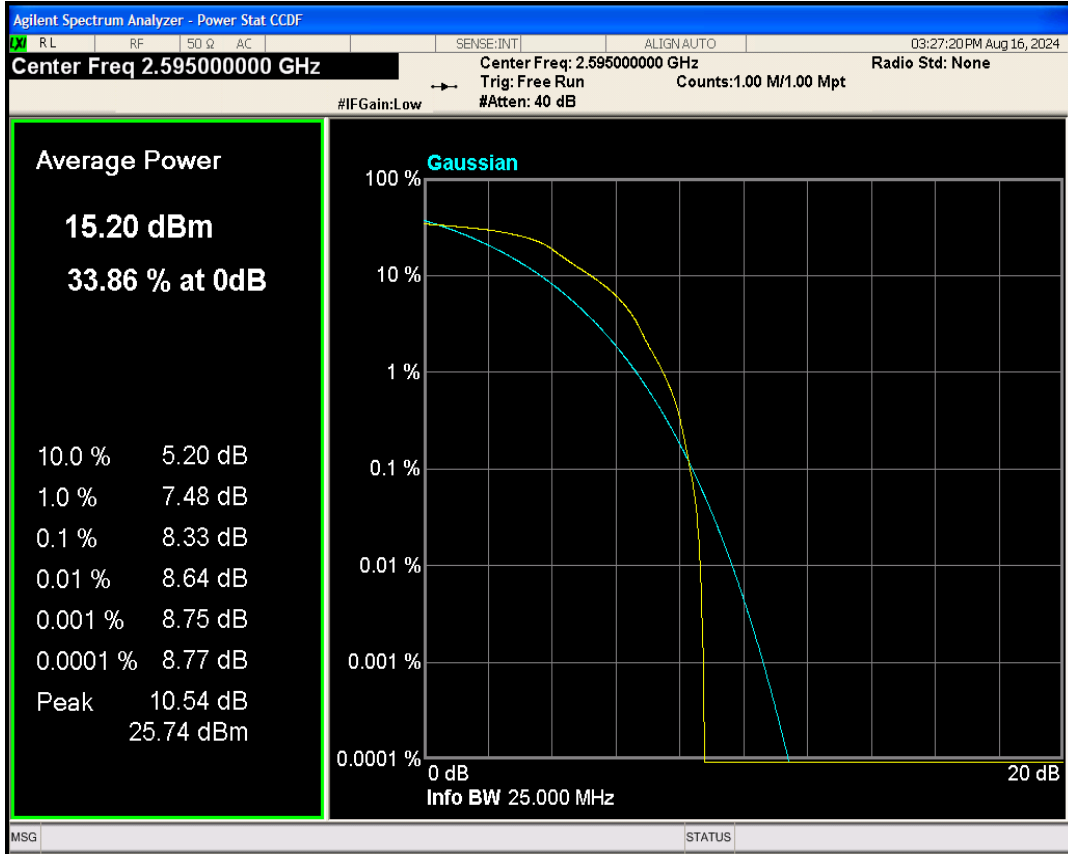
Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#0



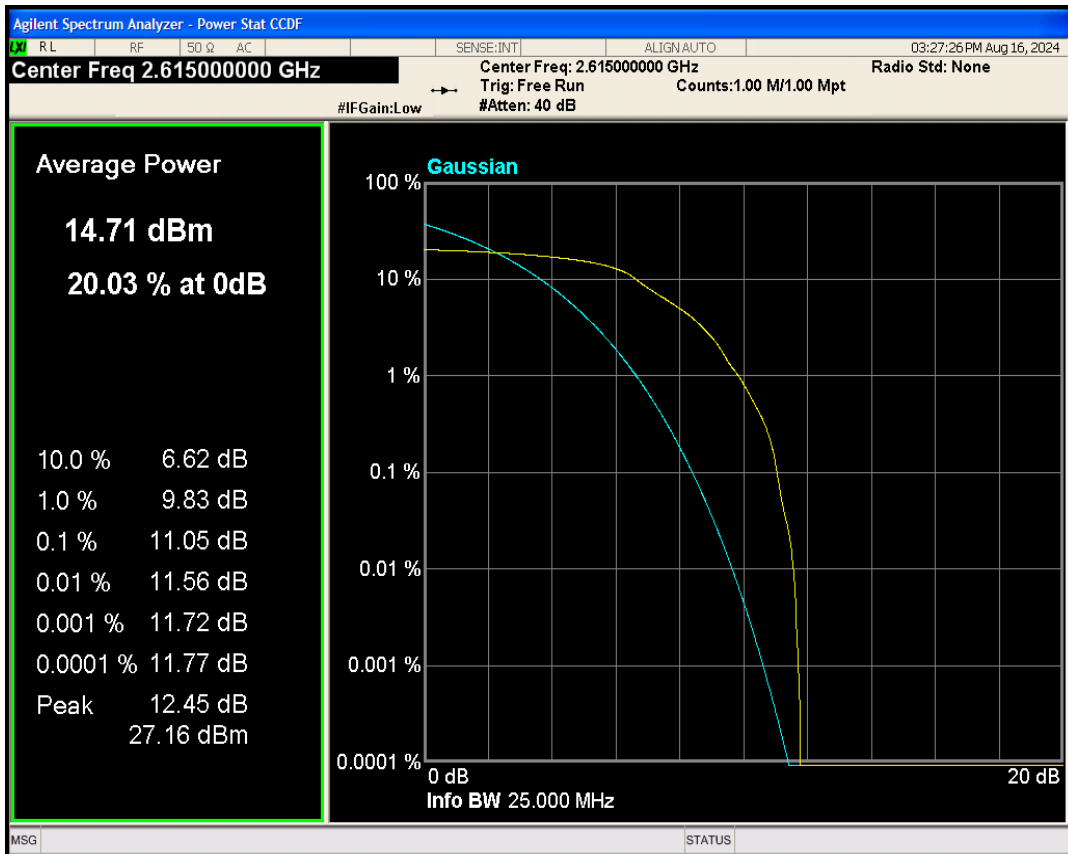
Band38 QPSK BW=10MHz Channel=37800 RB Size=1 Position=#0



Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0

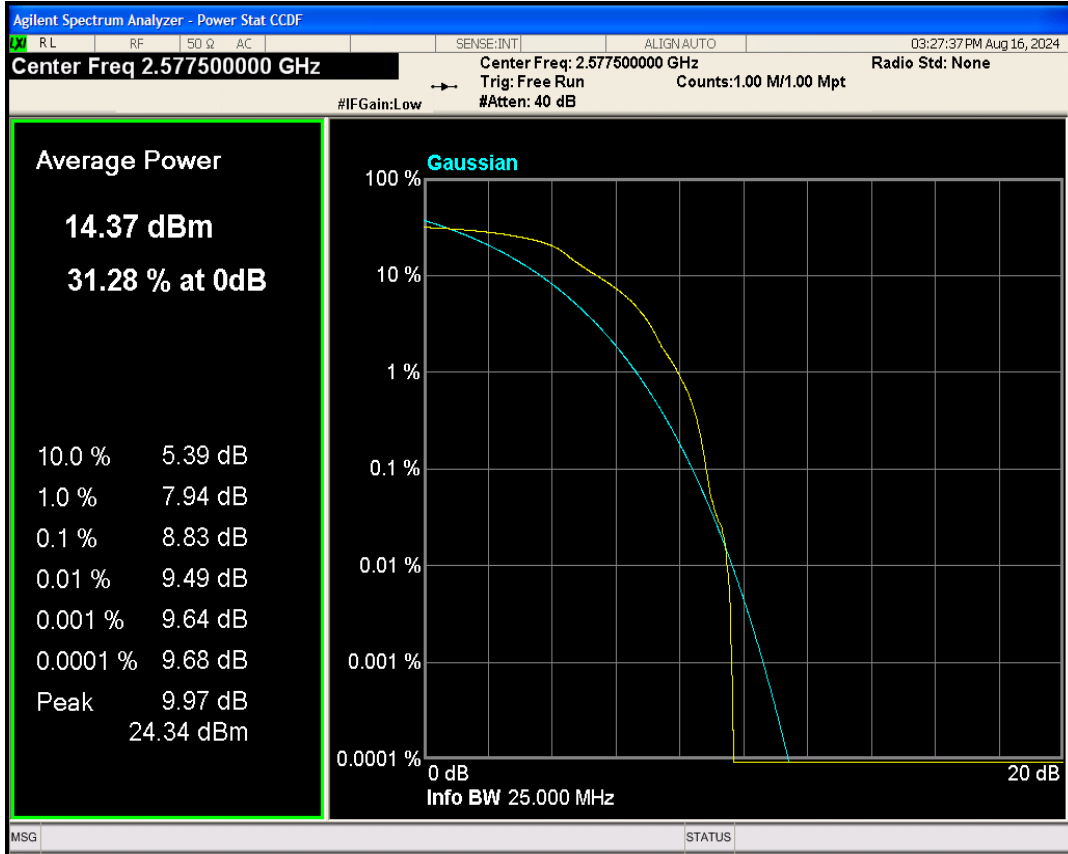


Band38 QPSK BW=10MHz Channel=38200 RB Size=1 Position=#0

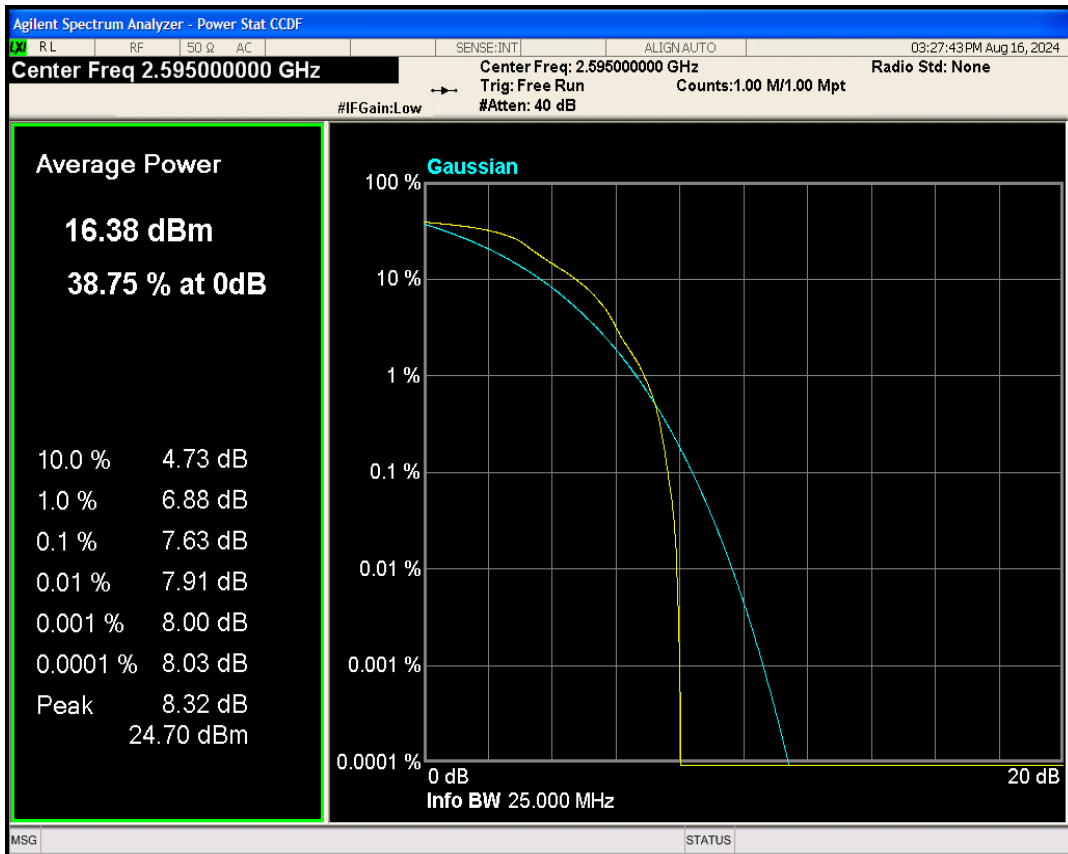


Band38 QPSK BW=15MHz Channel=37825 RB Size=1 Position=#0

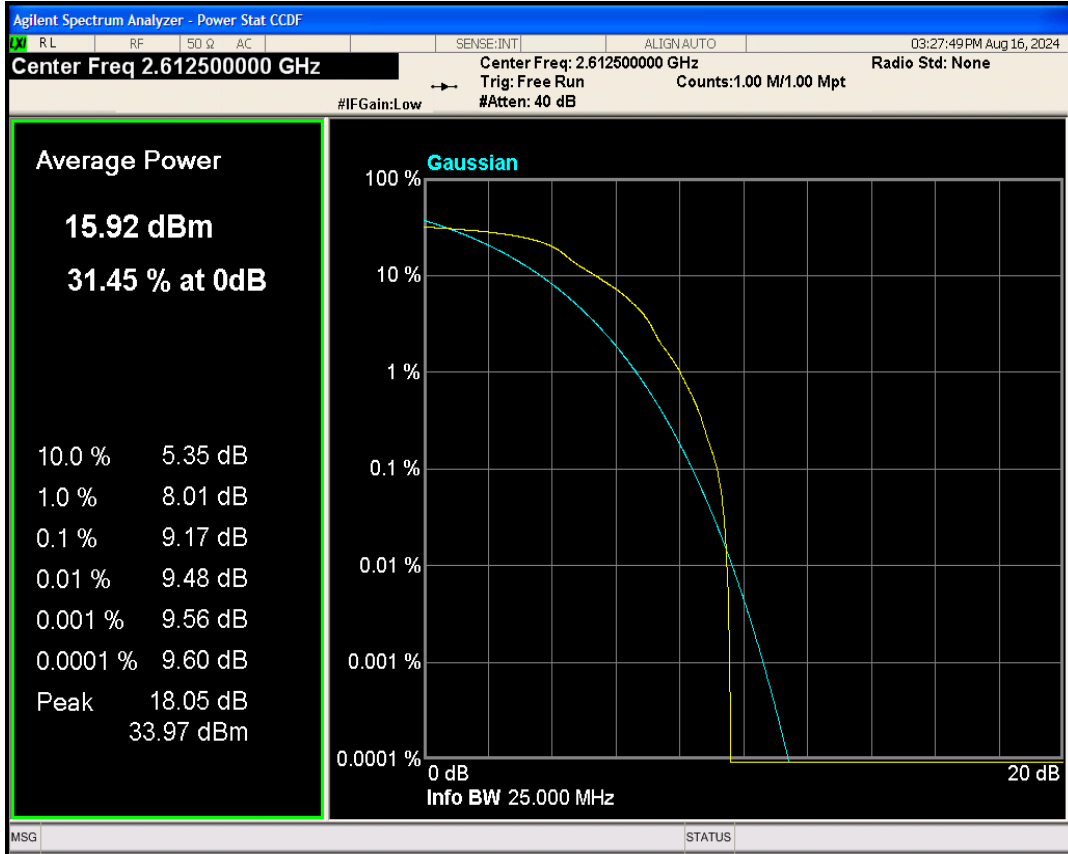




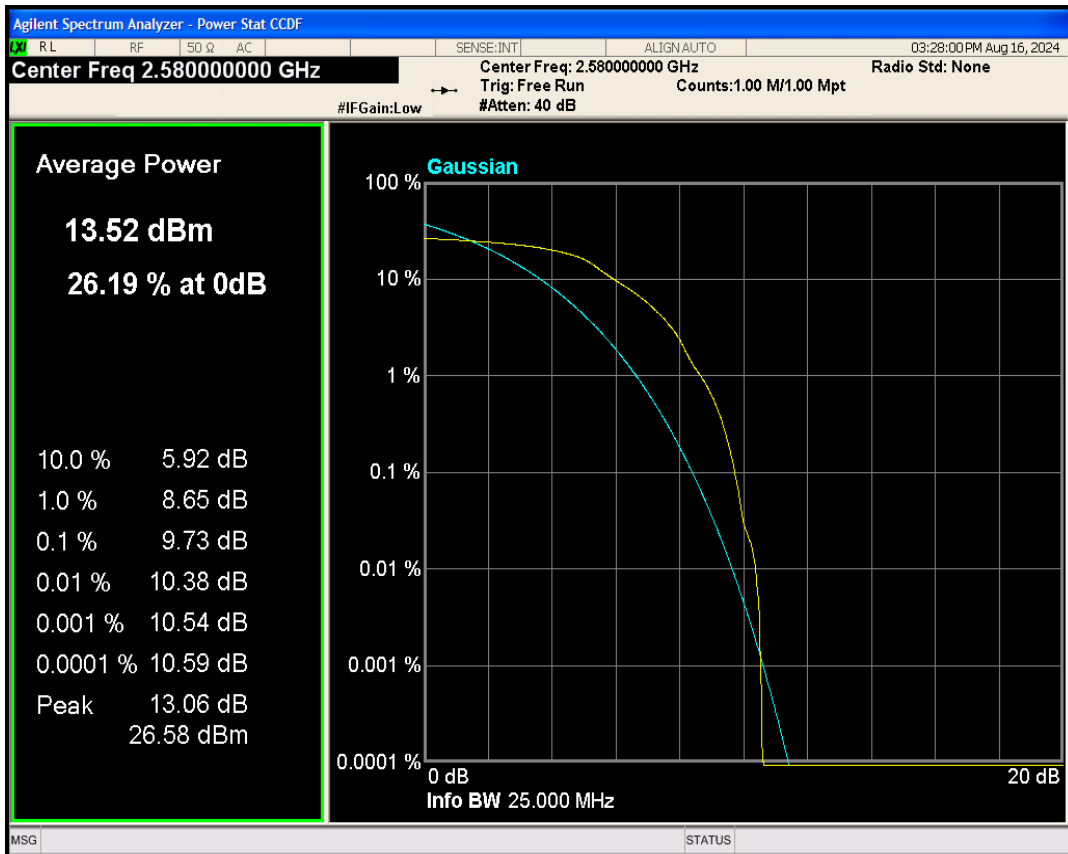
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



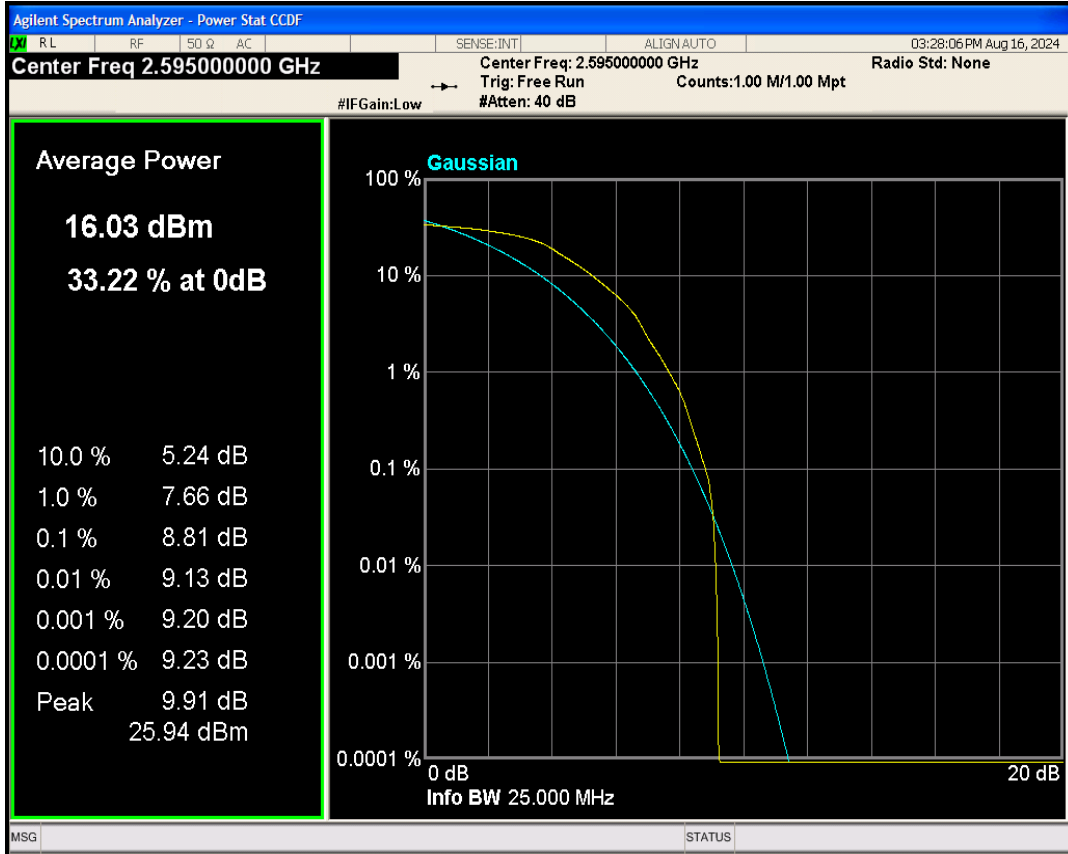
Band38 QPSK BW=15MHz Channel=38175 RB Size=1 Position=#0



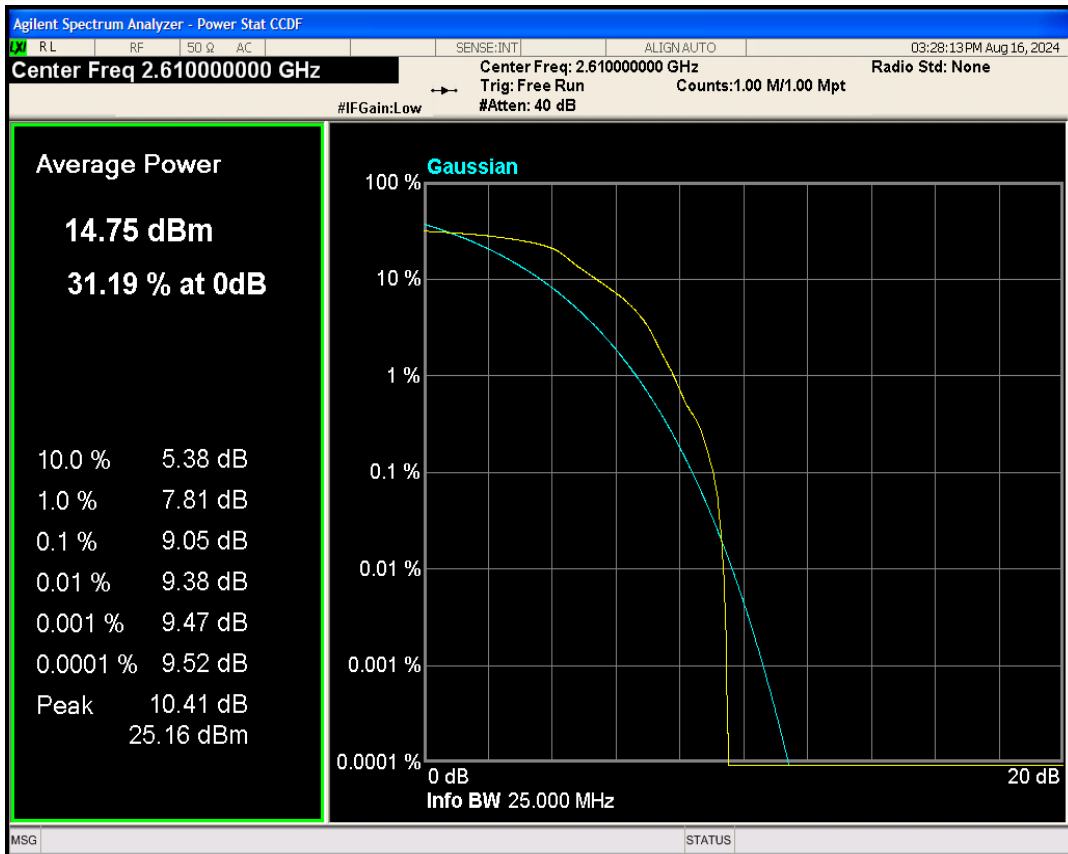
Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0



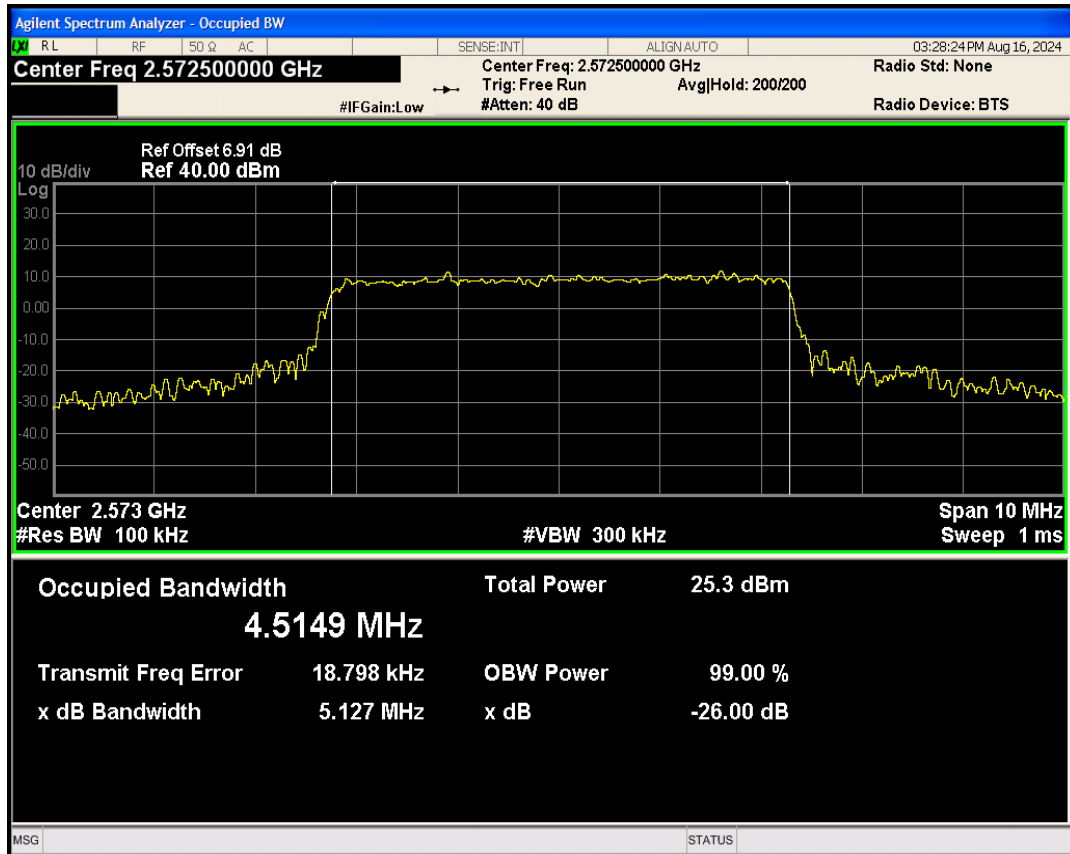
Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#0



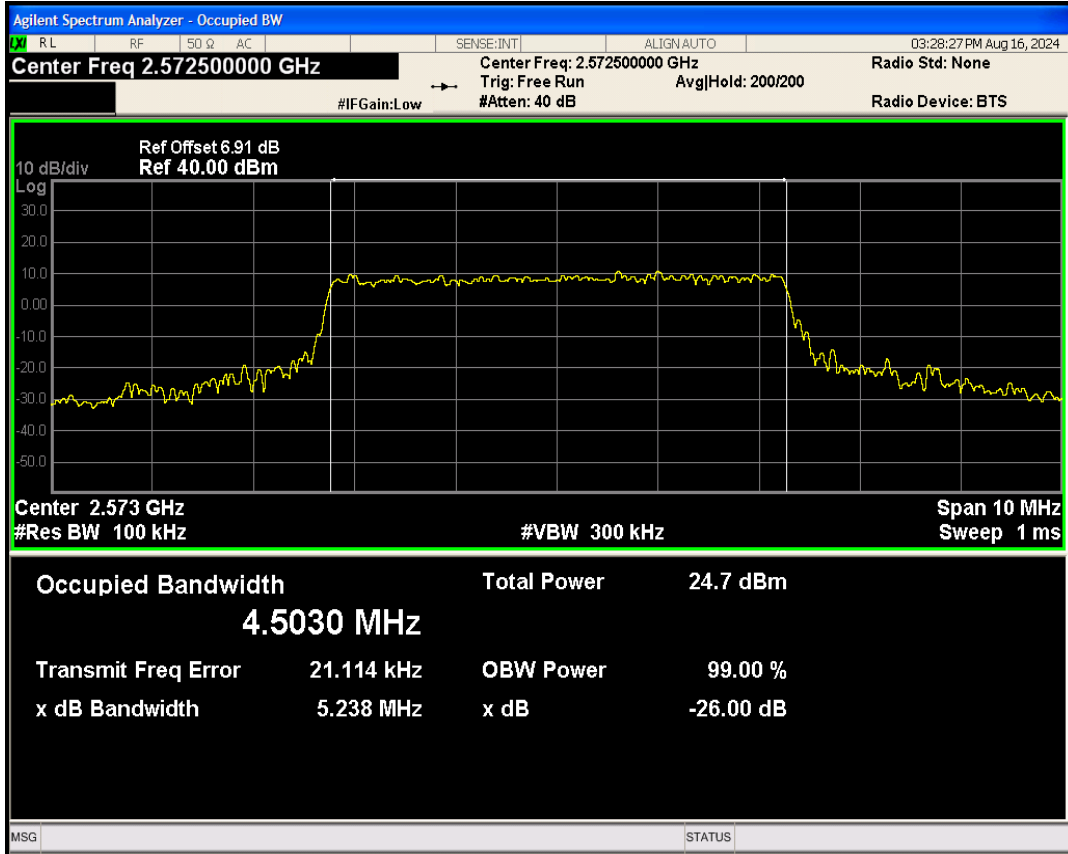
## Appendix 4. Occupied bandwidth

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band38 | 5               | 37775      | 25      | #0          | QPSK       | 4.515         | 5.127           | PASS    |
| Band38 | 5               | 37775      | 25      | #0          | 16QAM      | 4.503         | 5.238           | PASS    |
| Band38 | 5               | 38000      | 25      | #0          | QPSK       | 4.509         | 4.918           | PASS    |
| Band38 | 5               | 38000      | 25      | #0          | 16QAM      | 4.519         | 5.065           | PASS    |
| Band38 | 5               | 38225      | 25      | #0          | QPSK       | 4.499         | 5.037           | PASS    |
| Band38 | 5               | 38225      | 25      | #0          | 16QAM      | 4.502         | 4.890           | PASS    |
| Band38 | 10              | 37800      | 50      | #0          | QPSK       | 8.956         | 10.095          | PASS    |
| Band38 | 10              | 38000      | 50      | #0          | QPSK       | 9.053         | 10.086          | PASS    |
| Band38 | 10              | 38200      | 50      | #0          | QPSK       | 9.005         | 9.771           | PASS    |
| Band38 | 15              | 37825      | 75      | #0          | QPSK       | 13.467        | 14.924          | PASS    |
| Band38 | 15              | 38000      | 75      | #0          | QPSK       | 13.503        | 15.152          | PASS    |
| Band38 | 15              | 38175      | 75      | #0          | QPSK       | 13.396        | 14.637          | PASS    |
| Band38 | 20              | 37850      | 100     | #0          | QPSK       | 17.891        | 19.774          | PASS    |
| Band38 | 20              | 38000      | 100     | #0          | QPSK       | 17.982        | 19.684          | PASS    |
| Band38 | 20              | 38150      | 100     | #0          | QPSK       | 17.861        | 19.799          | PASS    |

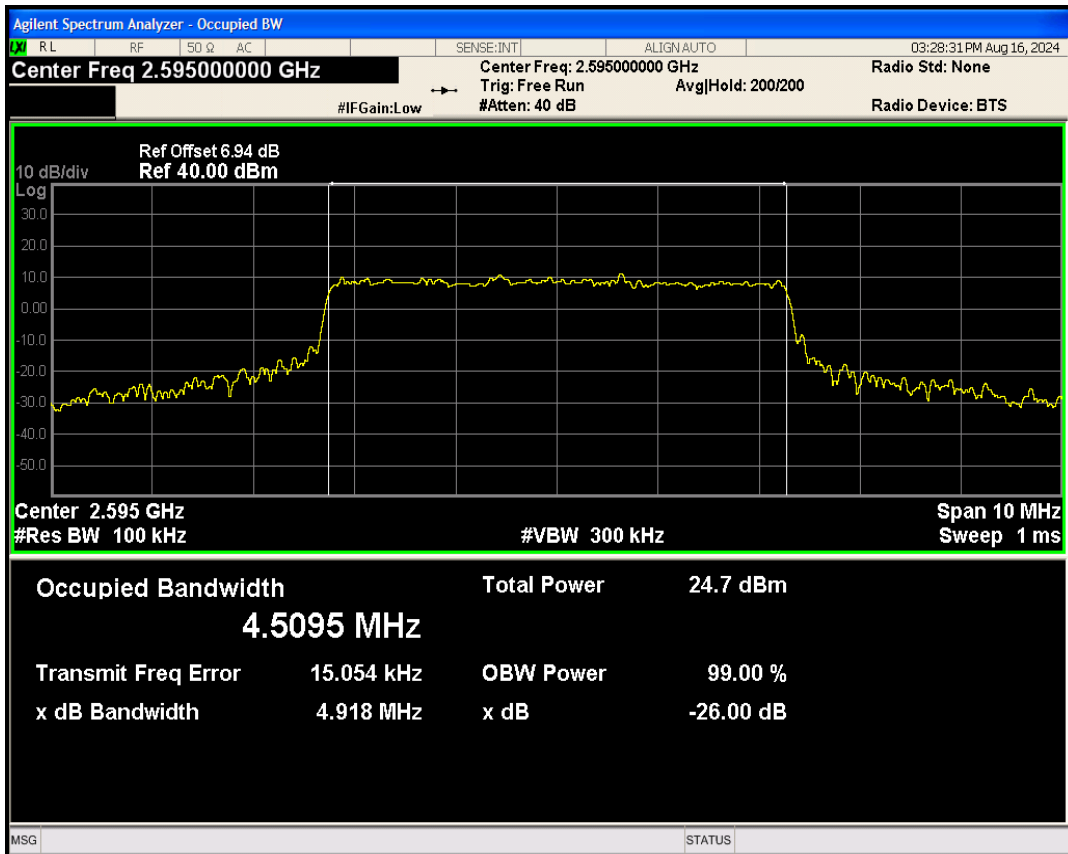
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



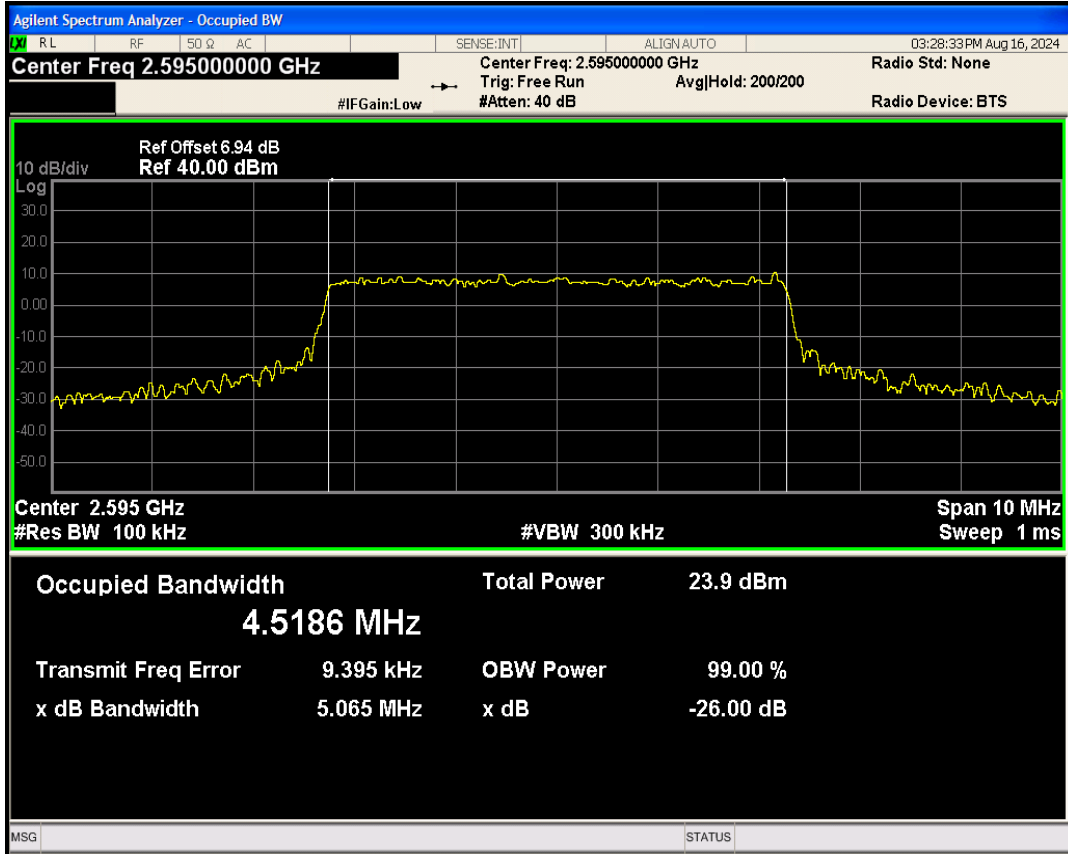
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



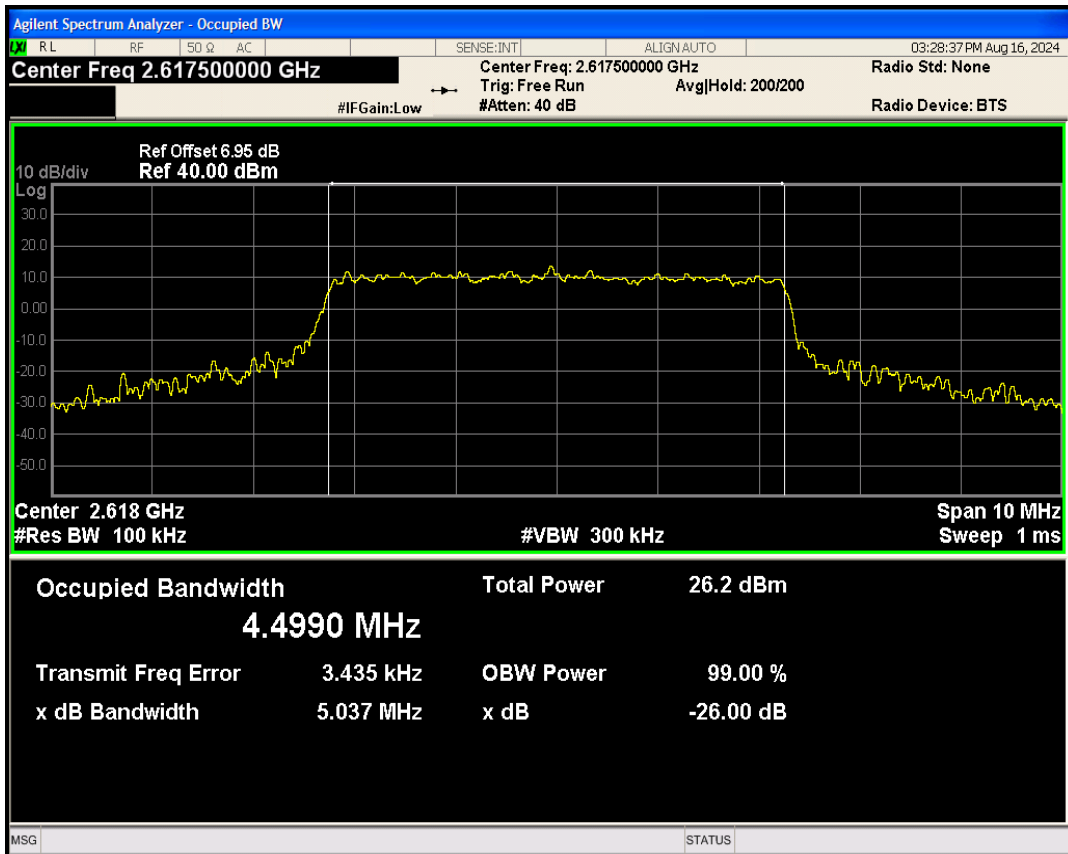
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



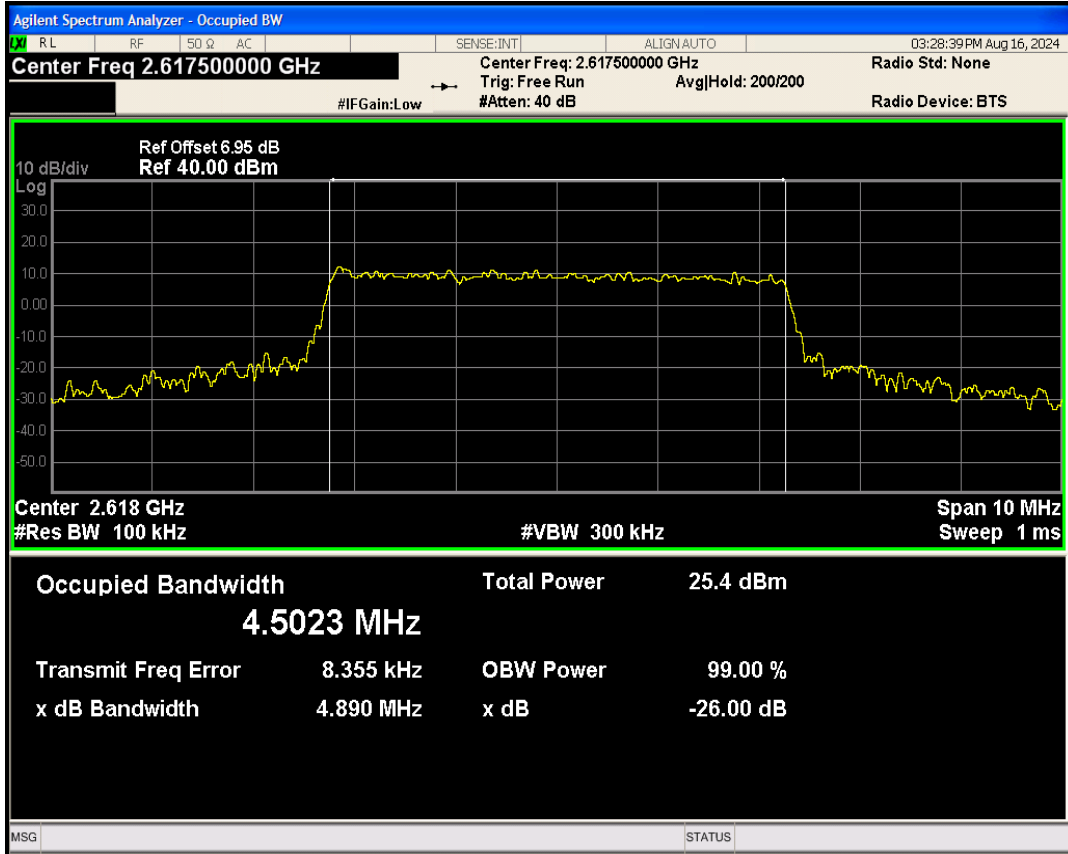
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



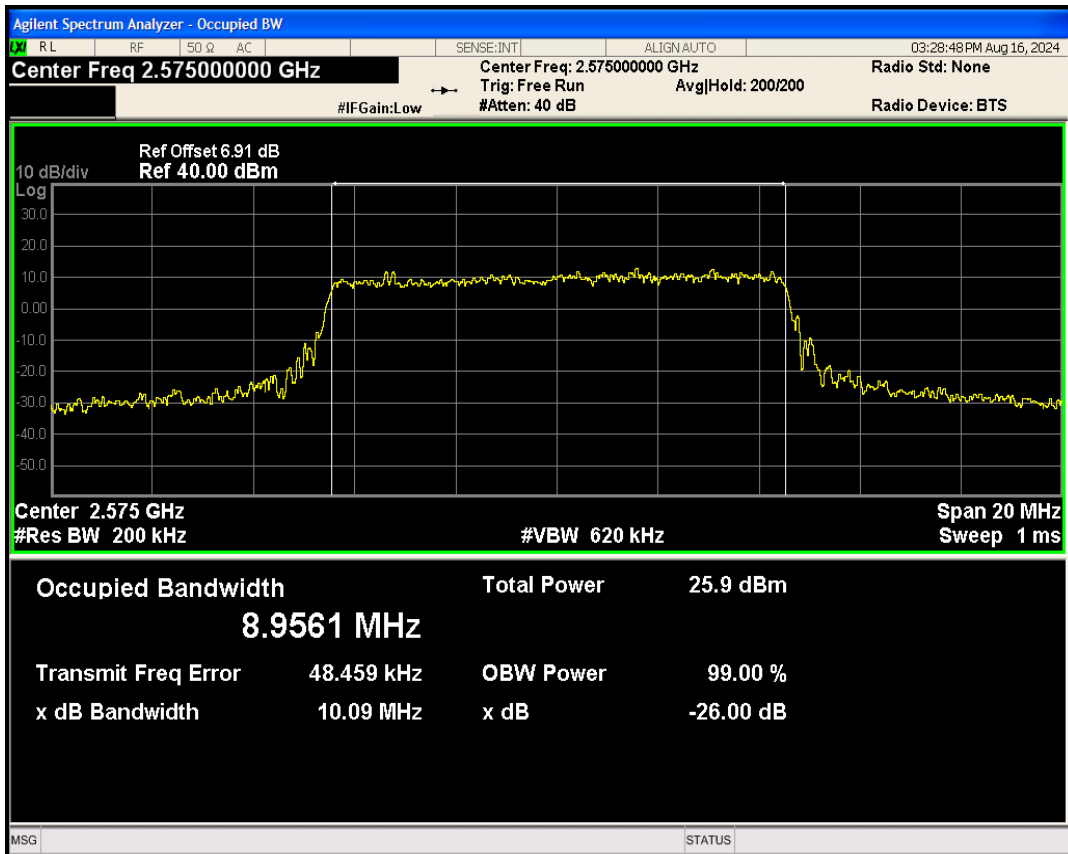
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



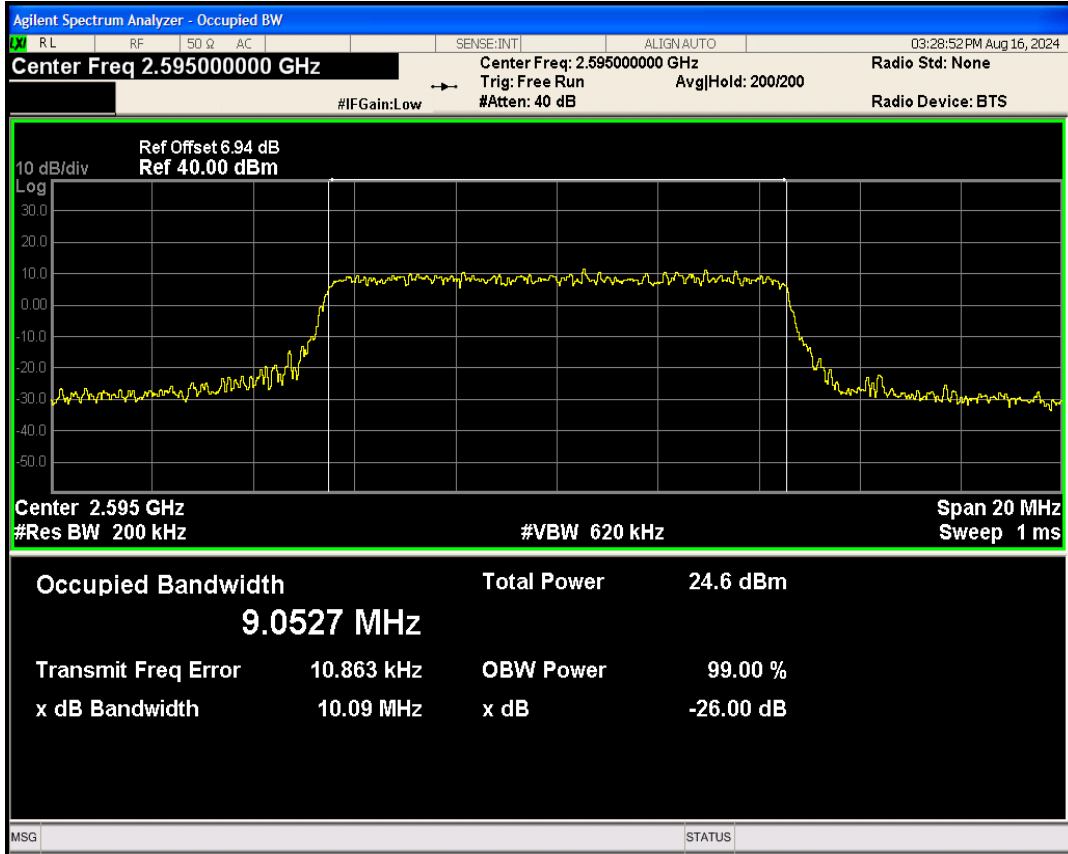
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



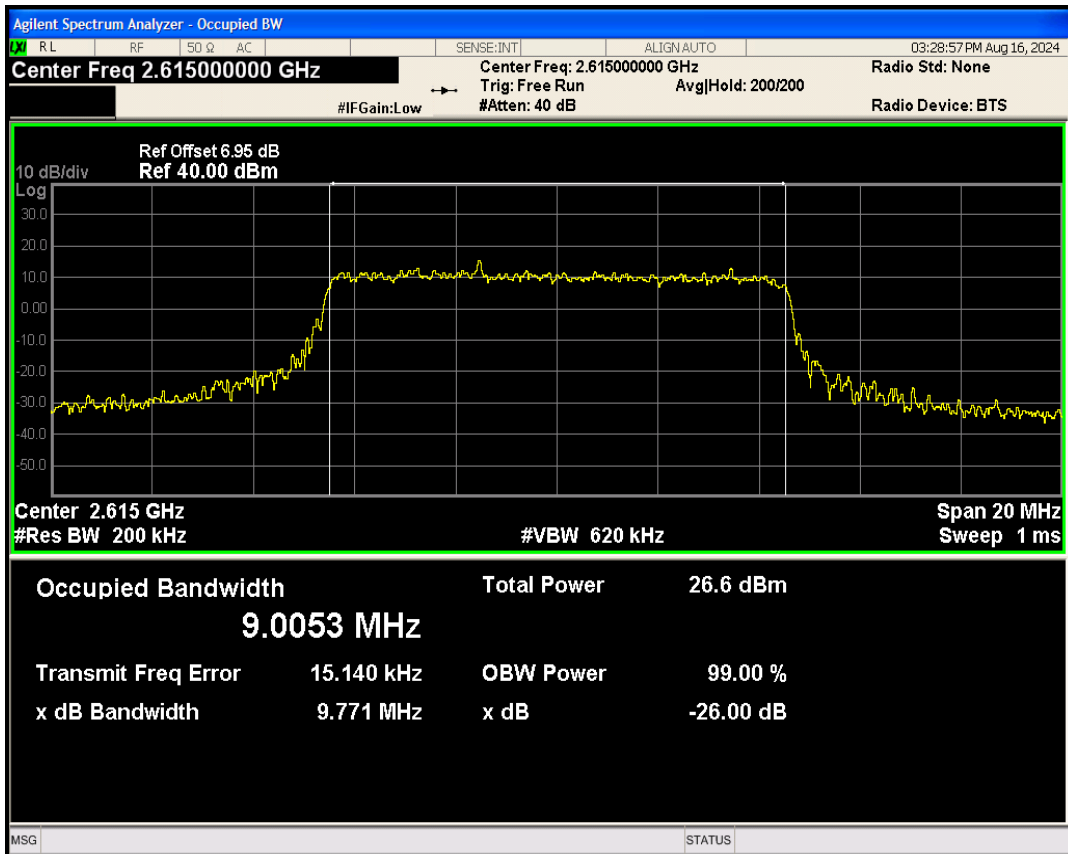
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0

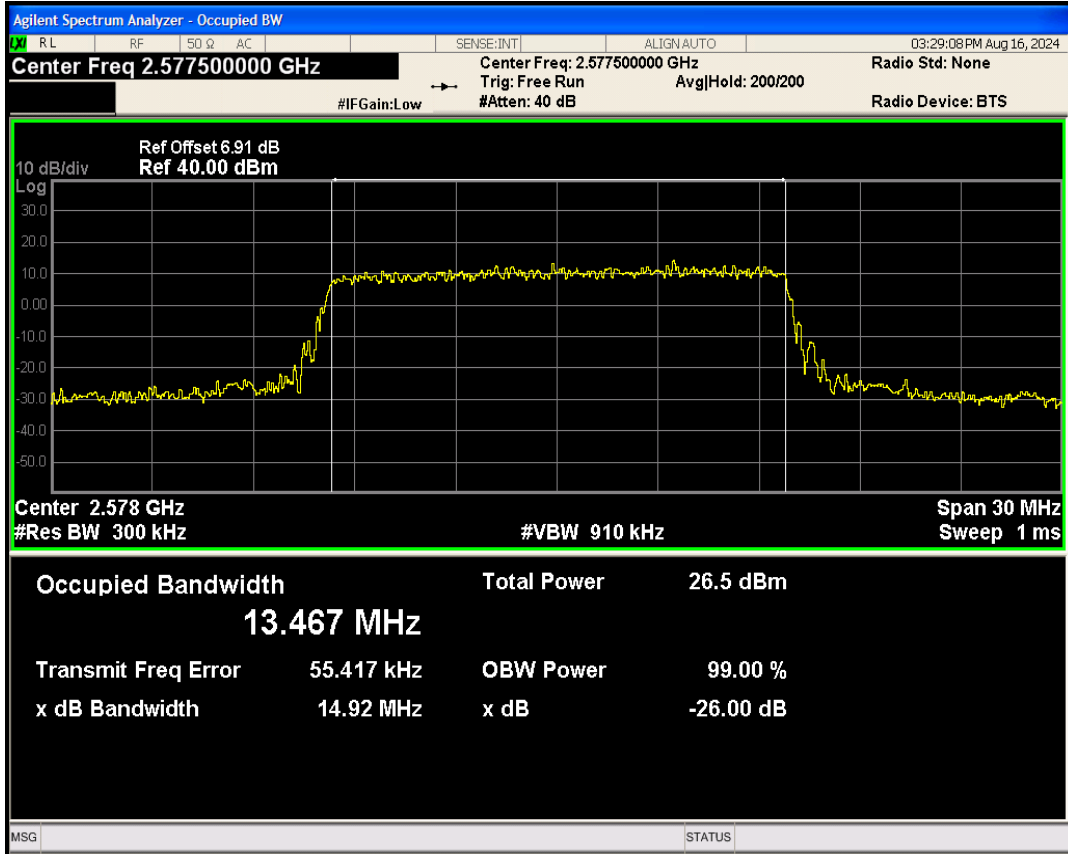


Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

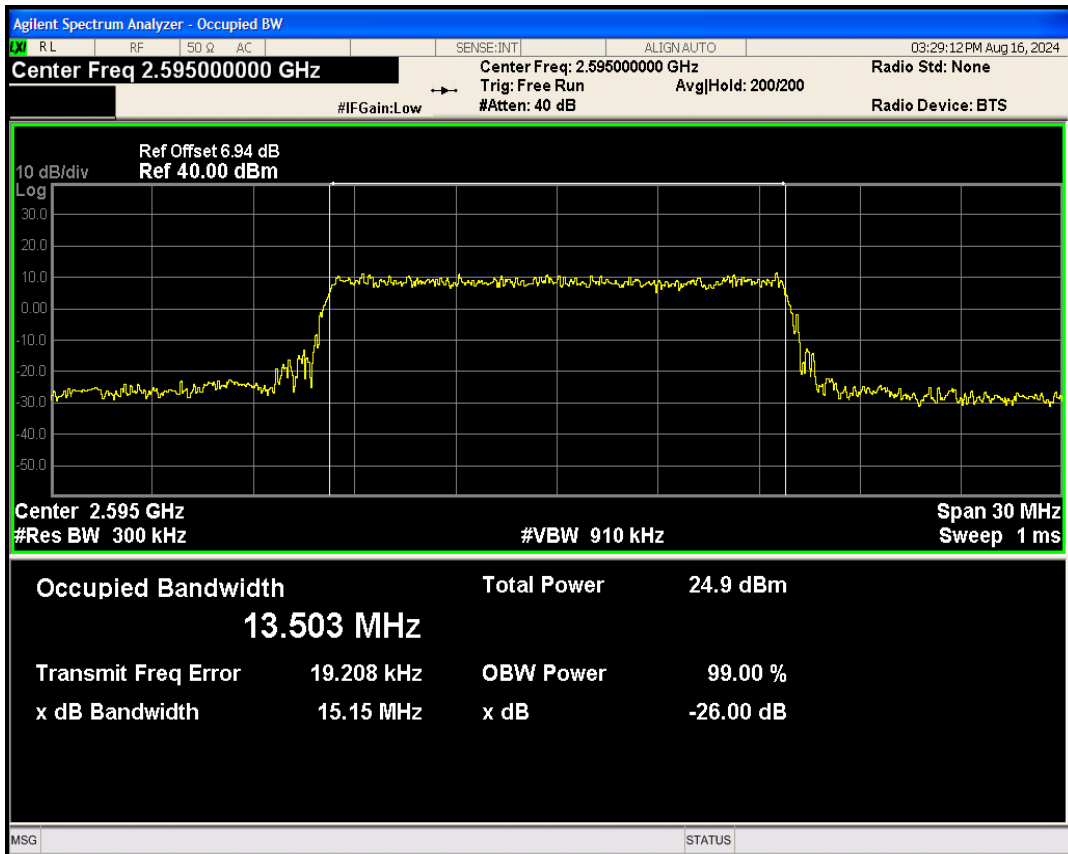


Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0

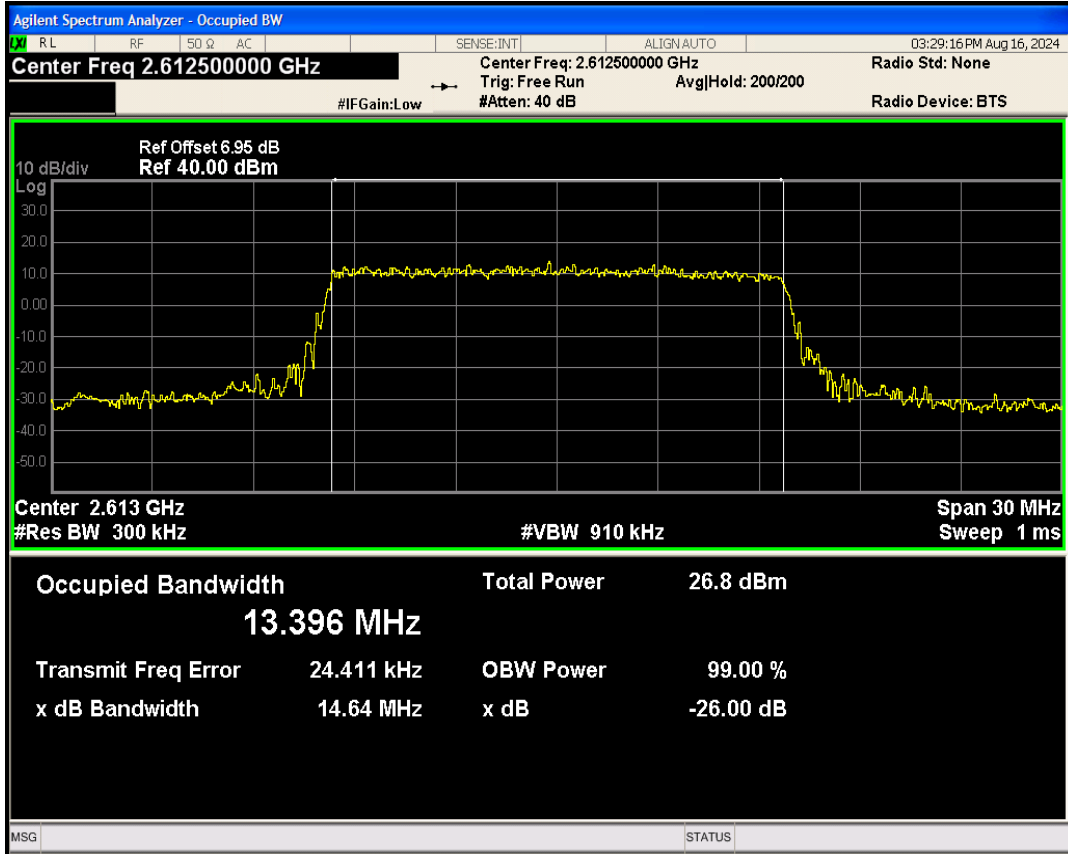




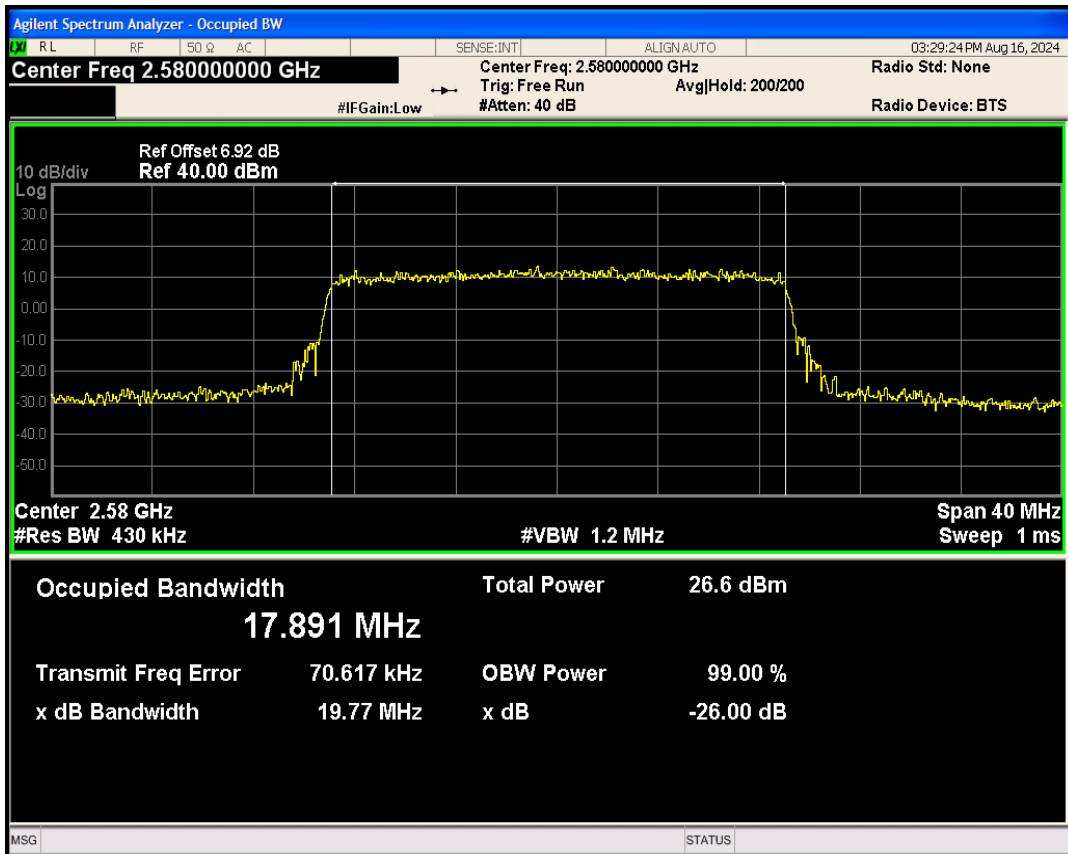
Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



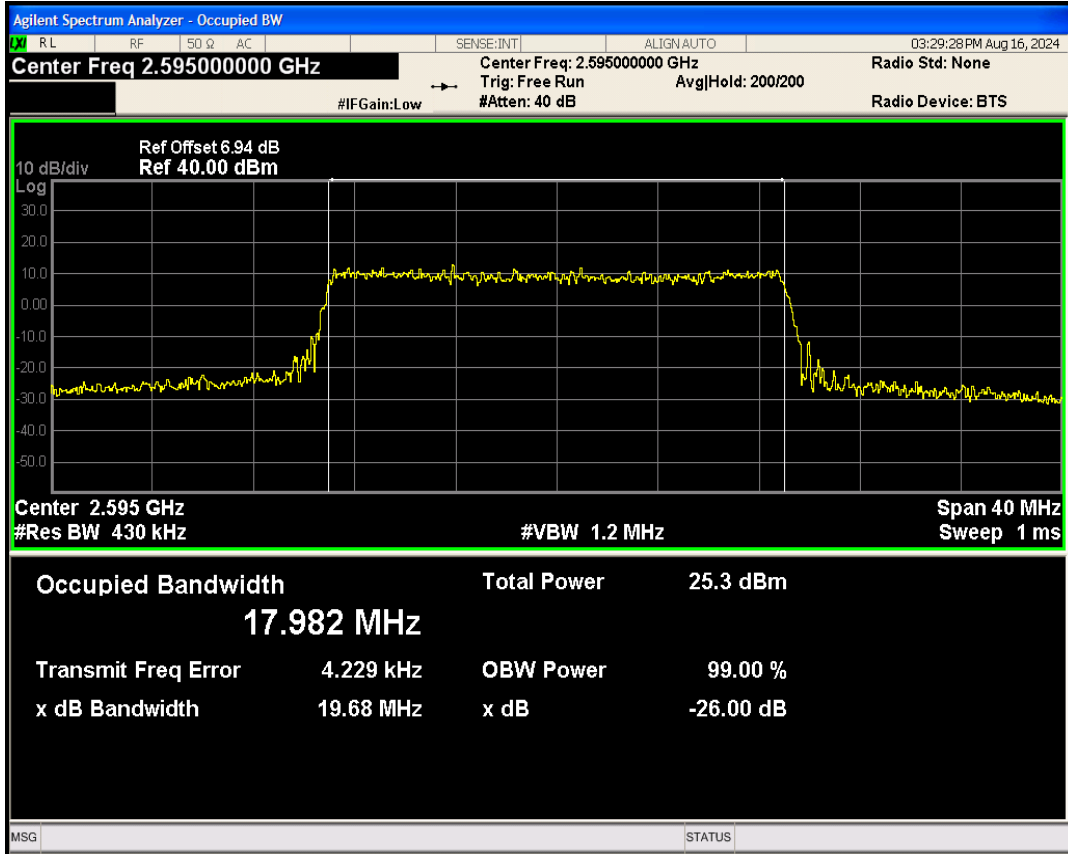
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



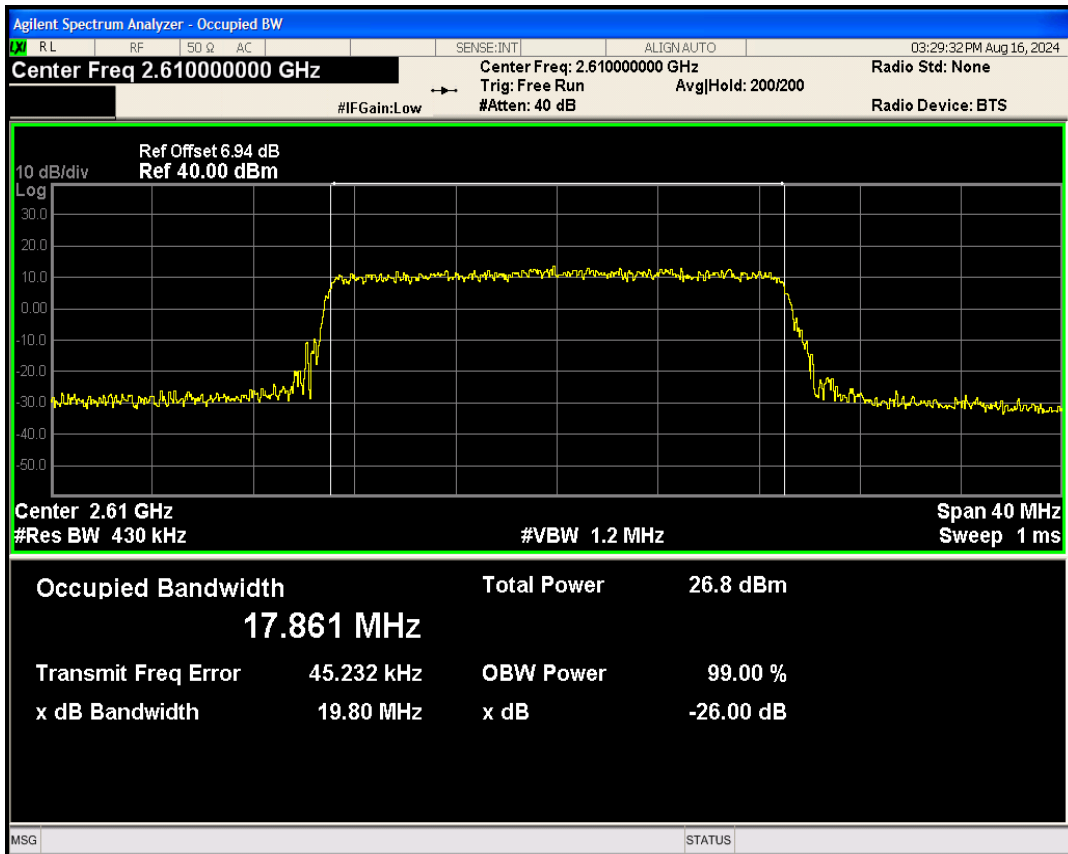
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



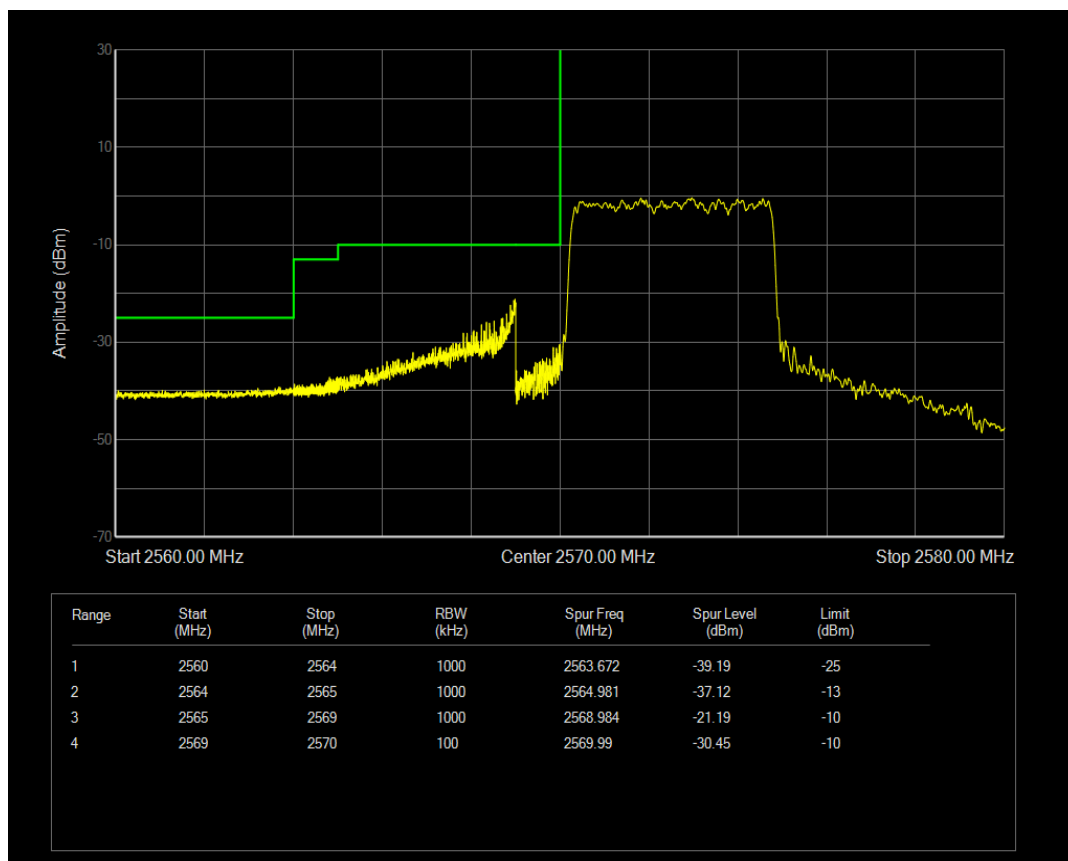
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



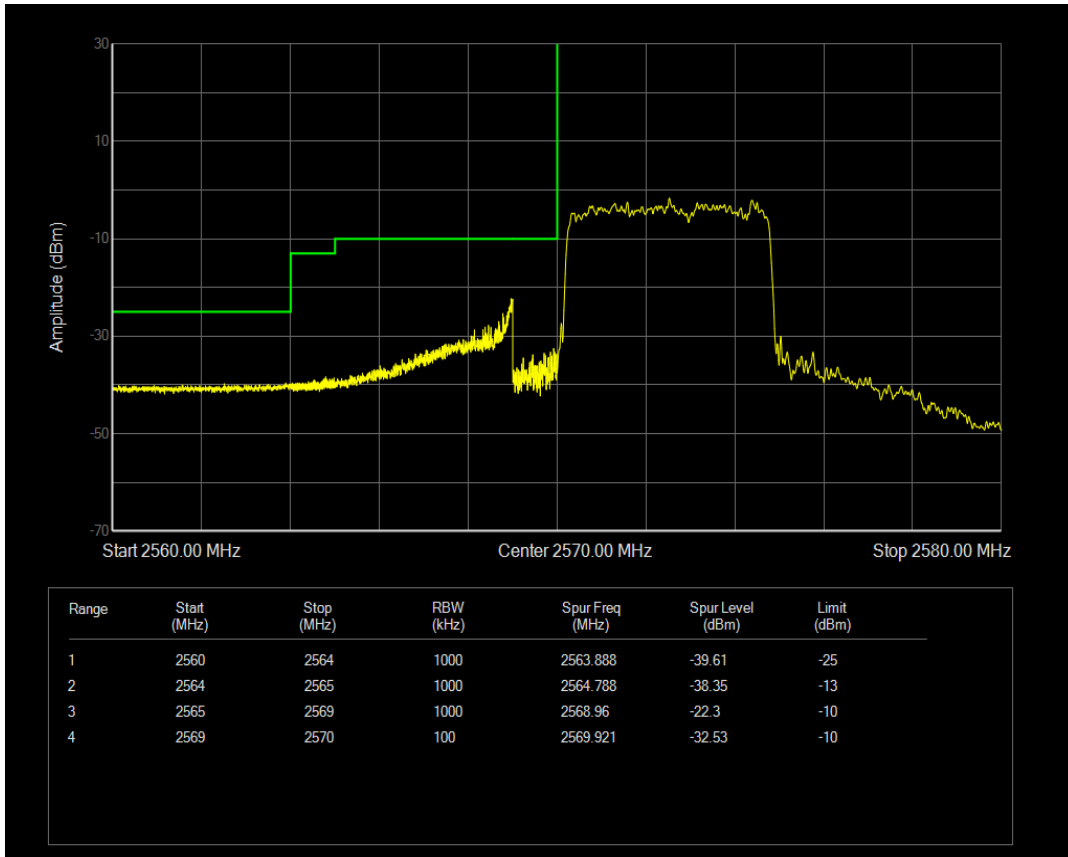
## Appendix 5. Band edge

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band38 | 5               | 37775      | 25      | #0          | QPSK       | 2568.98         | -21.19           | -10         | PASS    |
| Band38 | 5               | 37775      | 25      | #0          | 16QAM      | 2568.96         | -22.30           | -10         | PASS    |
| Band38 | 5               | 38225      | 25      | #0          | QPSK       | 2621.01         | -19.91           | -10         | PASS    |
| Band38 | 5               | 38225      | 25      | #0          | 16QAM      | 2621.00         | -21.42           | -10         | PASS    |
| Band38 | 10              | 37800      | 50      | #0          | QPSK       | 2559.72         | -38.76           | -25         | PASS    |
| Band38 | 10              | 38200      | 50      | #0          | QPSK       | 2631.02         | -39.30           | -25         | PASS    |
| Band38 | 15              | 37825      | 75      | #0          | QPSK       | 2554.00         | -38.98           | -25         | PASS    |
| Band38 | 15              | 38175      | 75      | #0          | QPSK       | 2635.33         | -39.15           | -25         | PASS    |
| Band38 | 20              | 37850      | 100     | #0          | QPSK       | 2549.96         | -38.47           | -25         | PASS    |
| Band38 | 20              | 38150      | 100     | #0          | QPSK       | 2640.05         | -38.91           | -25         | PASS    |

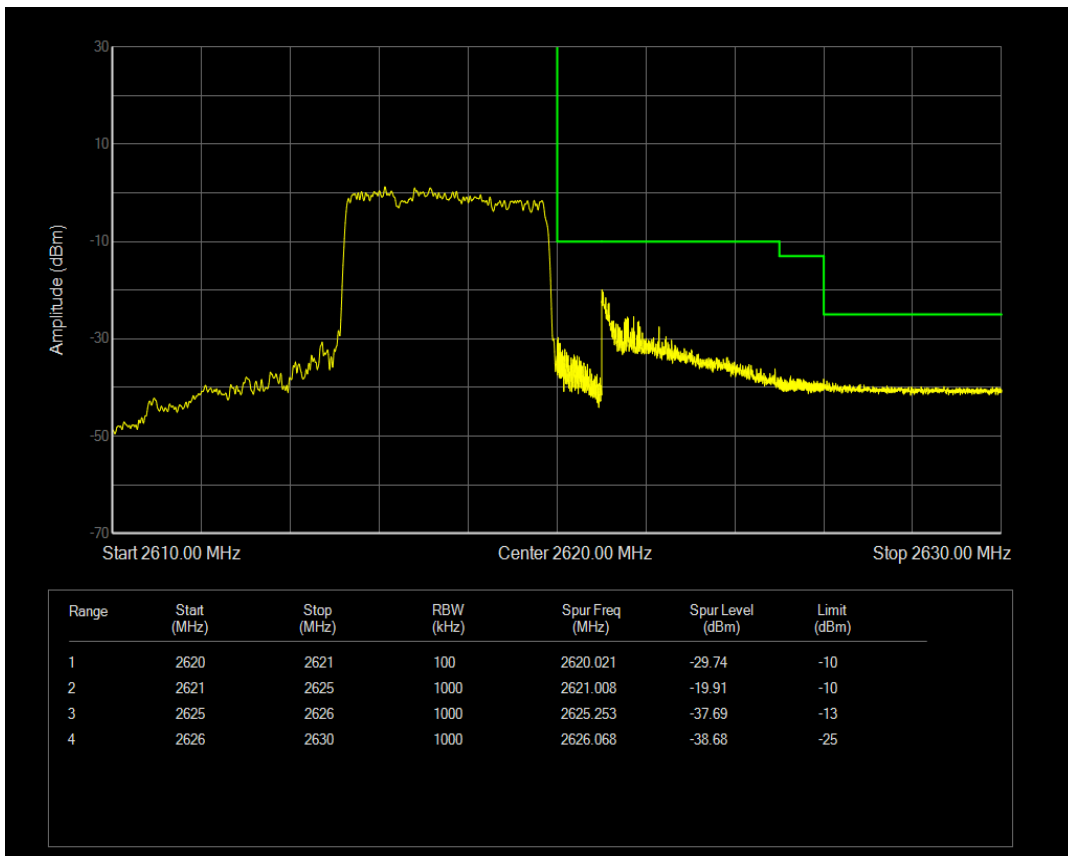
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



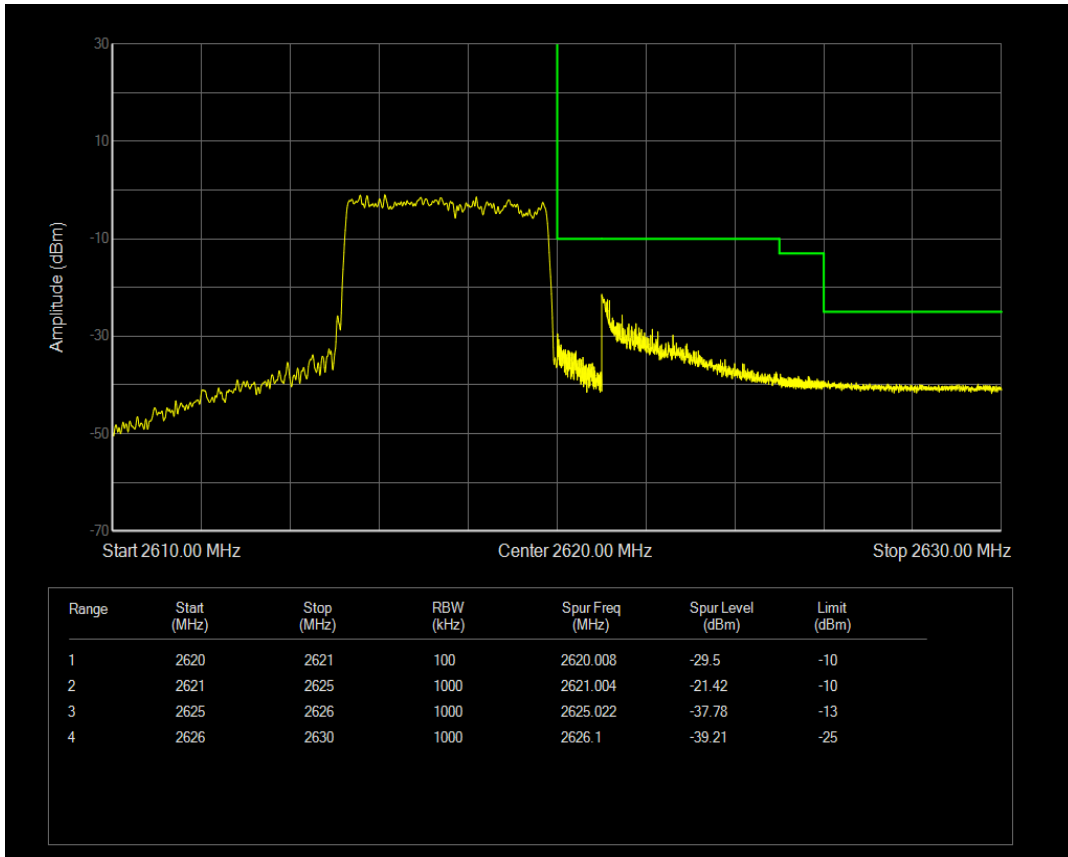
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



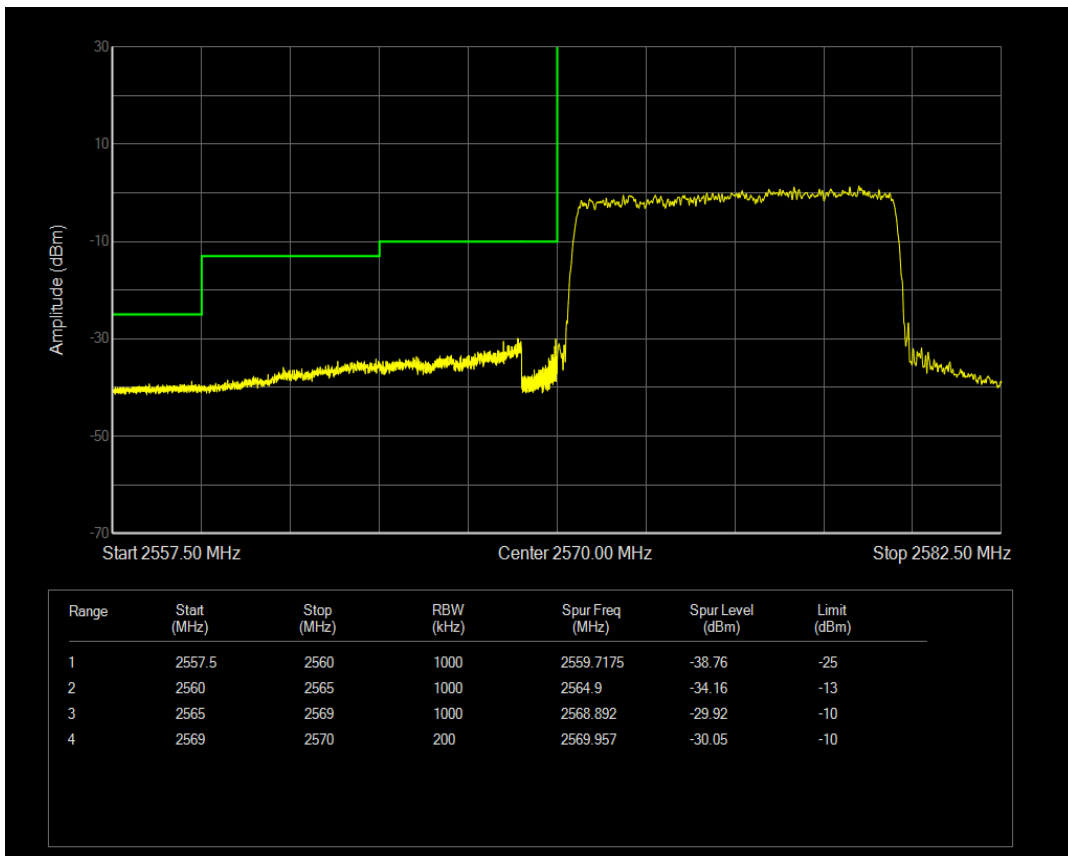
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



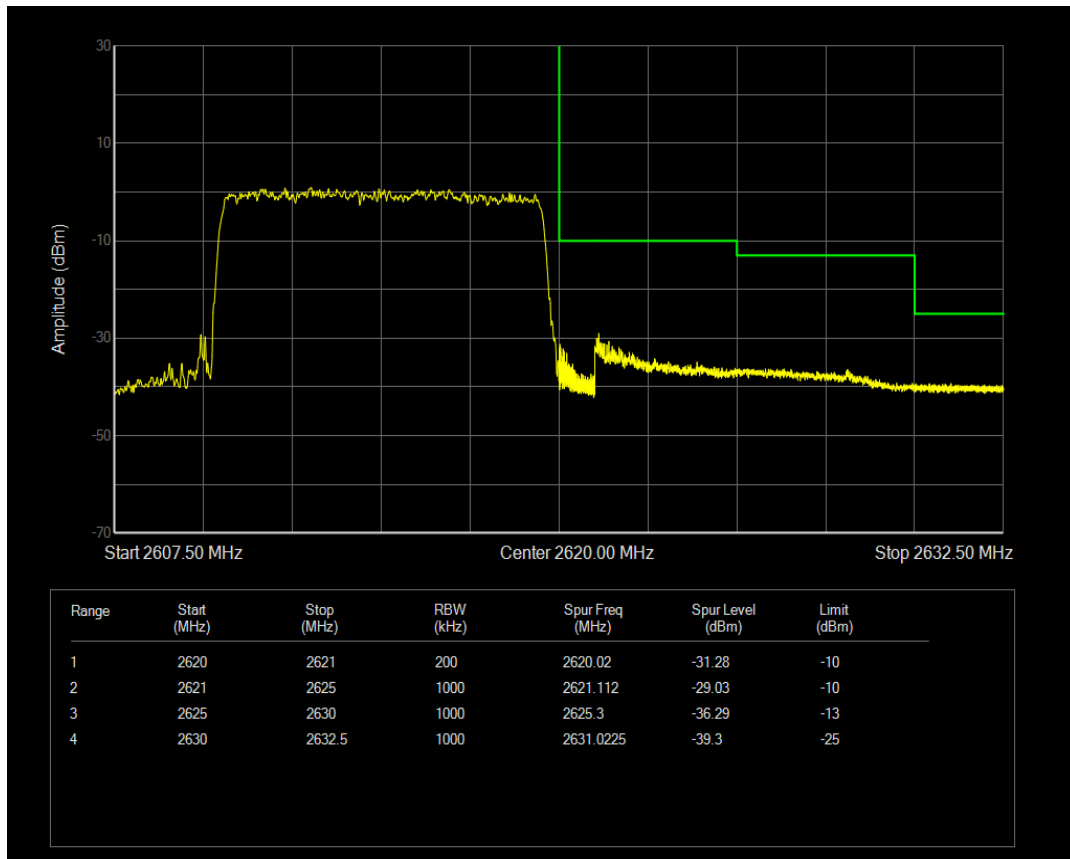
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



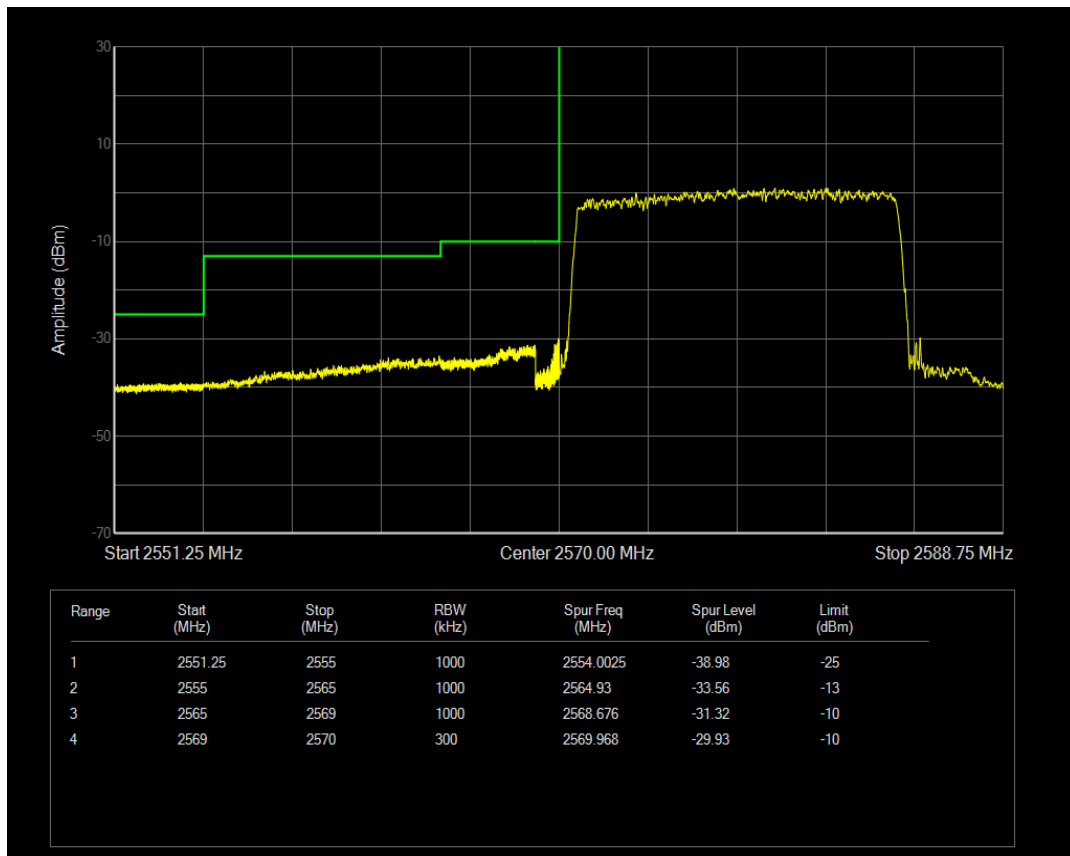
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



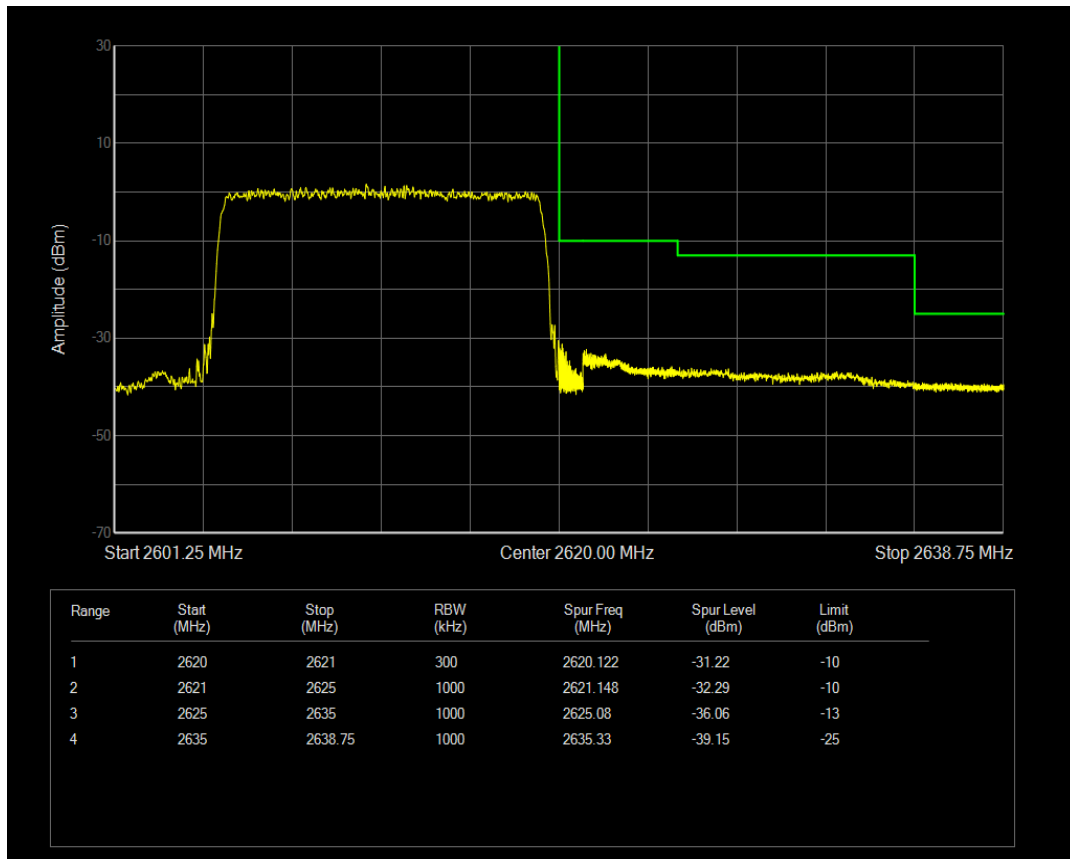
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



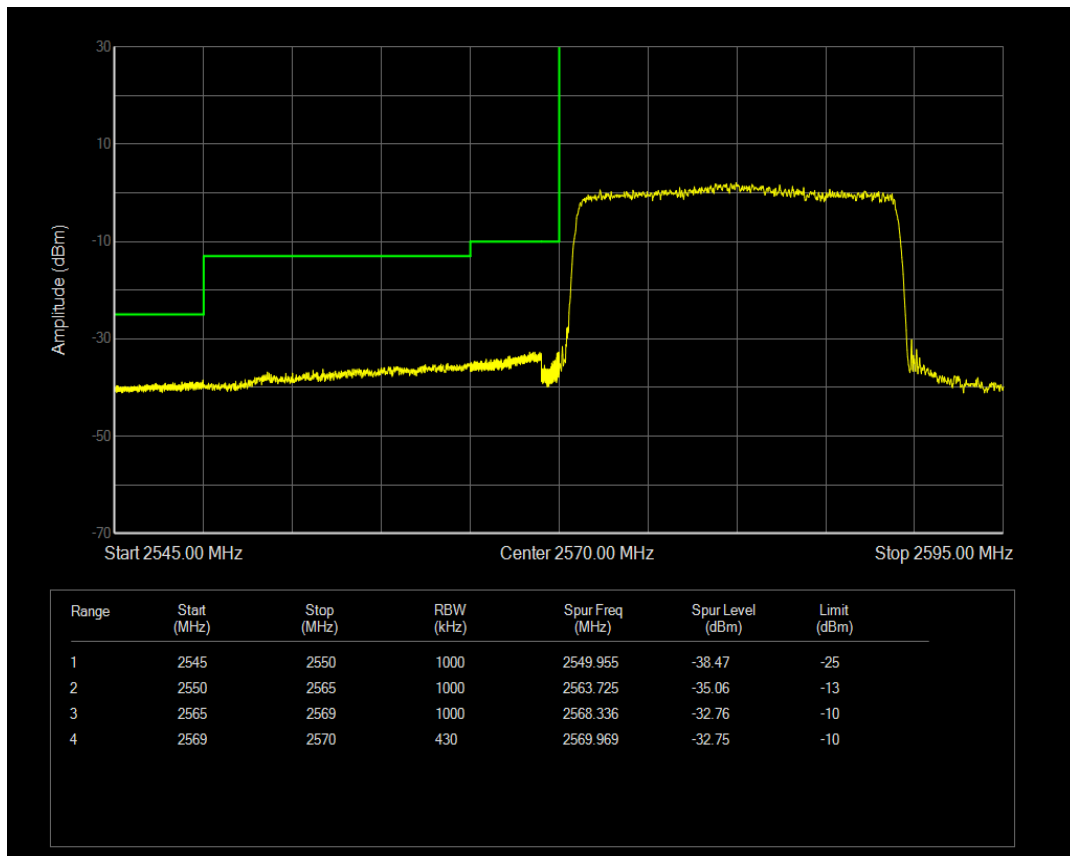
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

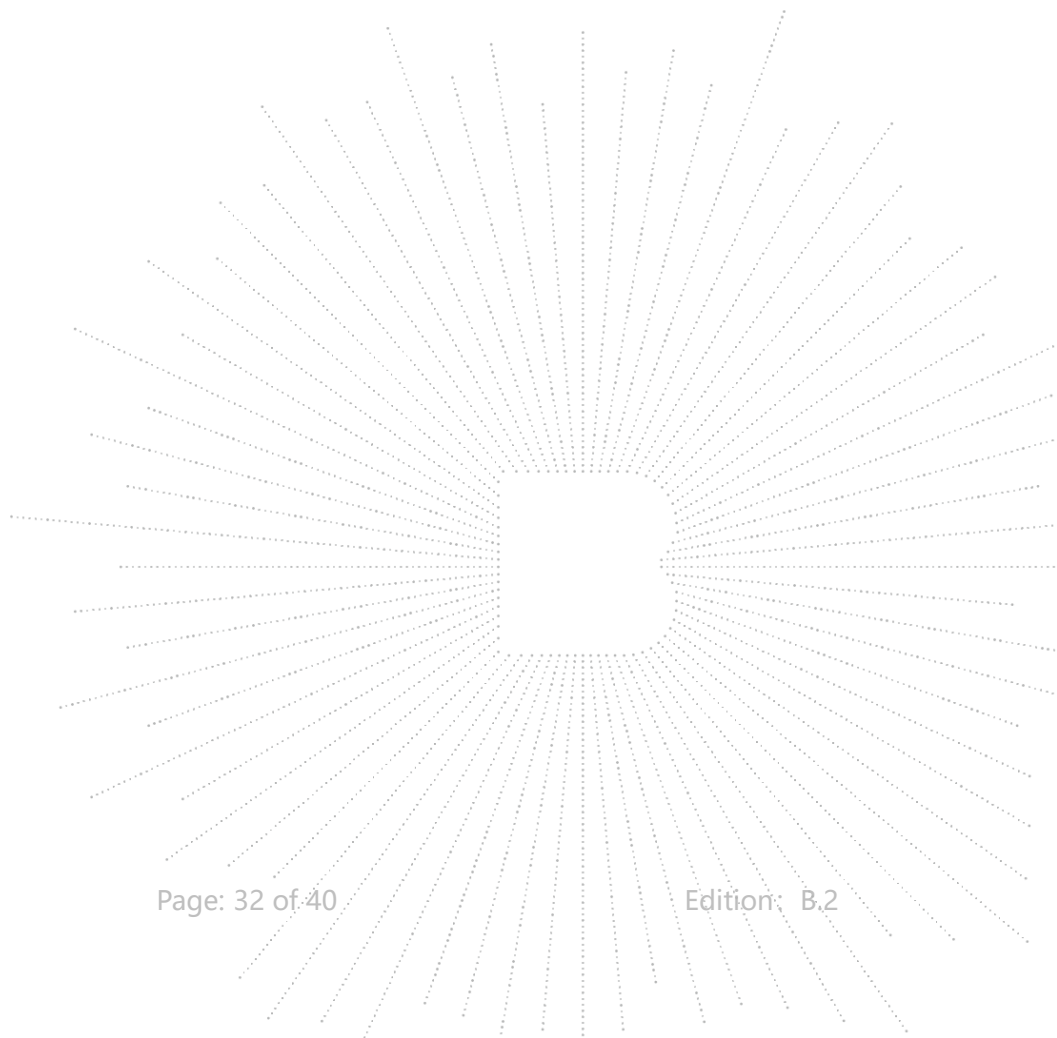
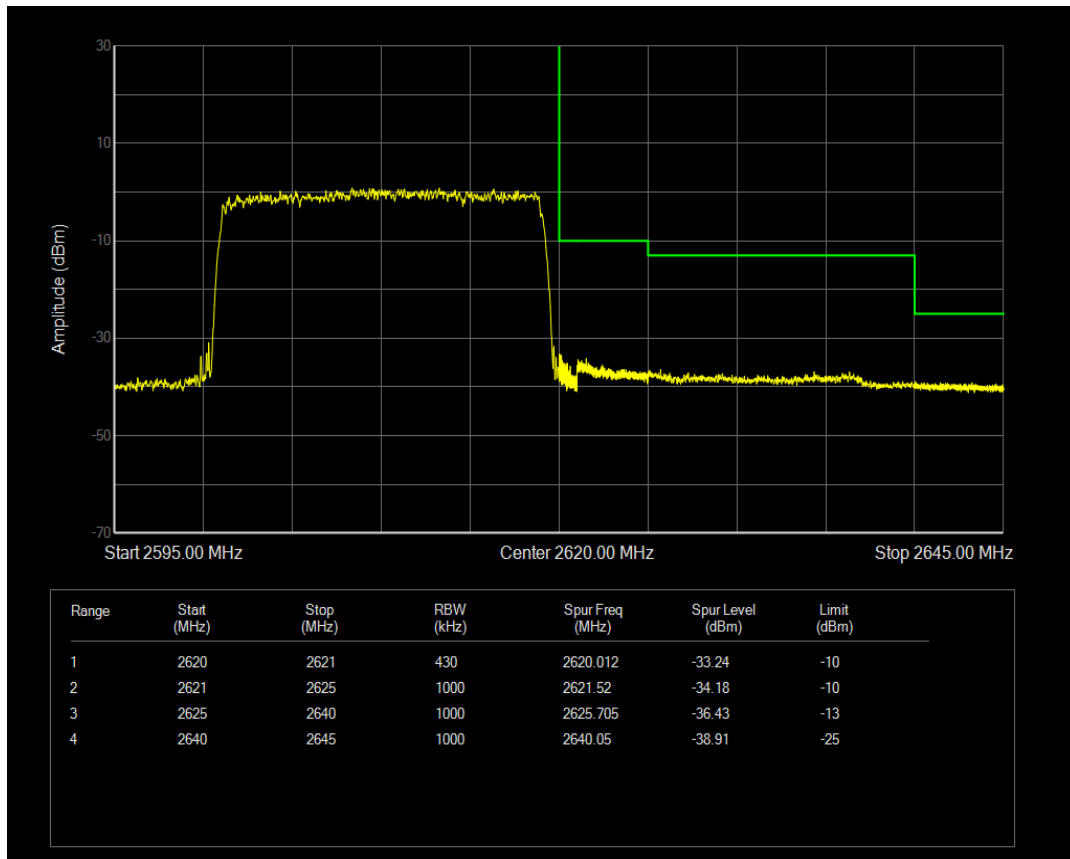


Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

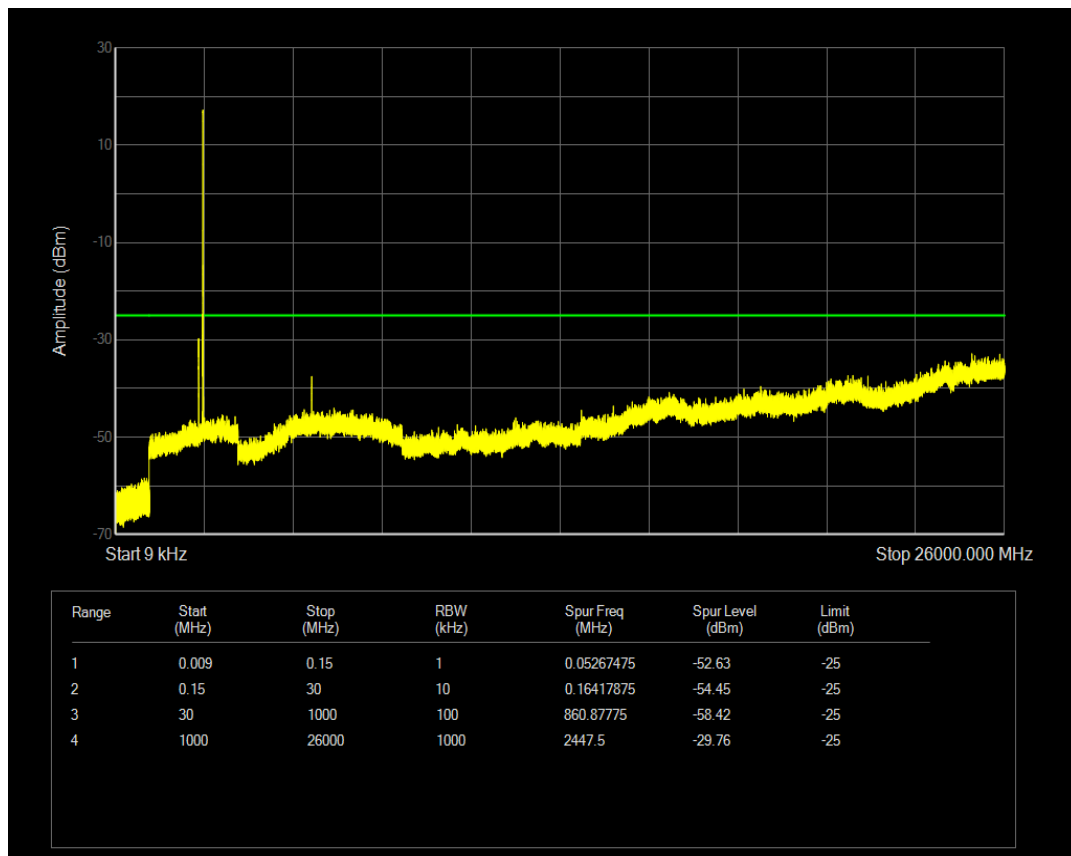




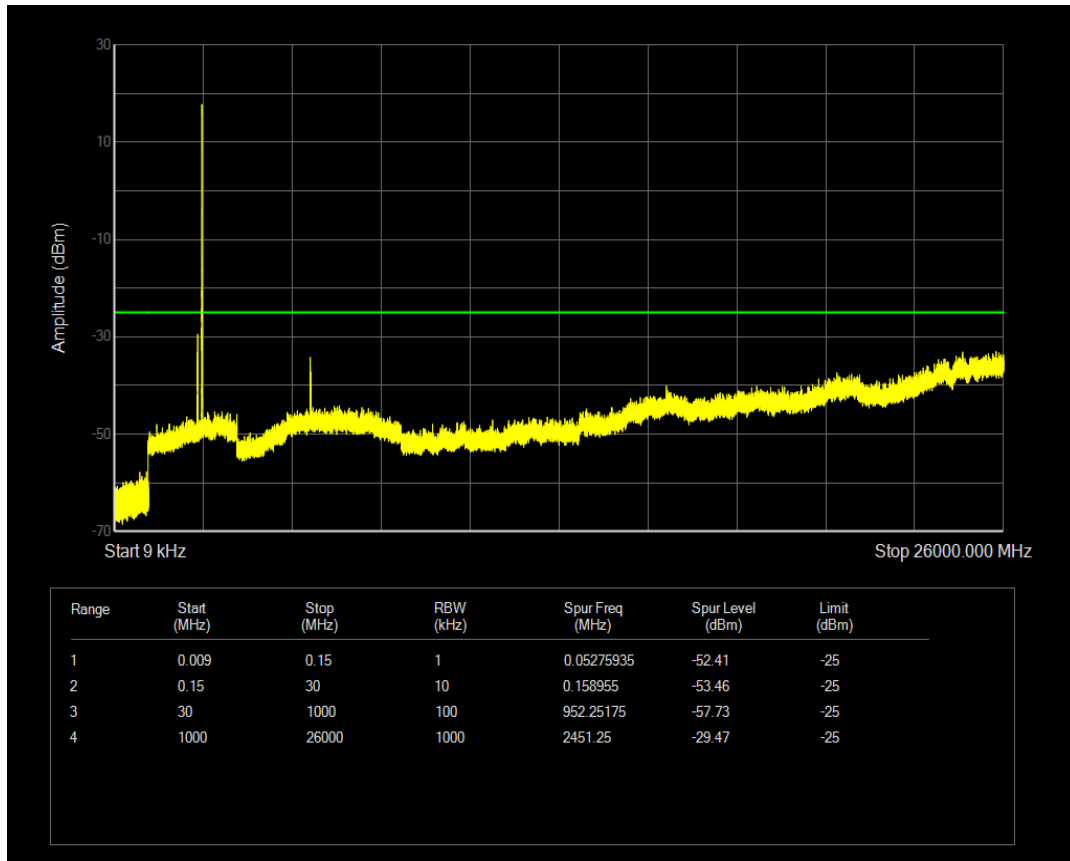
## Appendix 6. Out-of-band emissions

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band38 | 5               | 37775      | 25      | #0          | QPSK       | 2447.50         | -29.76           | -25         | PASS    |
| Band38 | 5               | 37775      | 25      | #0          | 16QAM      | 2451.25         | -29.47           | -25         | PASS    |
| Band38 | 5               | 38000      | 25      | #0          | QPSK       | 2450.63         | -29.76           | -25         | PASS    |
| Band38 | 5               | 38000      | 25      | #0          | 16QAM      | 2446.25         | -30.87           | -25         | PASS    |
| Band38 | 5               | 38225      | 25      | #0          | QPSK       | 2451.25         | -28.29           | -25         | PASS    |
| Band38 | 5               | 38225      | 25      | #0          | 16QAM      | 2450.63         | -31.42           | -25         | PASS    |
| Band38 | 10              | 37800      | 50      | #0          | QPSK       | 2450.63         | -28.60           | -25         | PASS    |
| Band38 | 10              | 38000      | 50      | #0          | QPSK       | 2450.63         | -31.95           | -25         | PASS    |
| Band38 | 10              | 38200      | 50      | #0          | QPSK       | 25988.75        | -33.12           | -25         | PASS    |
| Band38 | 15              | 37825      | 75      | #0          | QPSK       | 25968.13        | -33.03           | -25         | PASS    |
| Band38 | 15              | 38000      | 75      | #0          | QPSK       | 2450.63         | -31.55           | -25         | PASS    |
| Band38 | 15              | 38175      | 75      | #0          | QPSK       | 1935.00         | -26.21           | -25         | PASS    |
| Band38 | 20              | 37850      | 100     | #0          | QPSK       | 2450.63         | -31.76           | -25         | PASS    |
| Band38 | 20              | 38000      | 100     | #0          | QPSK       | 25061.25        | -32.91           | -25         | PASS    |
| Band38 | 20              | 38150      | 100     | #0          | QPSK       | 2451.25         | -30.76           | -25         | PASS    |

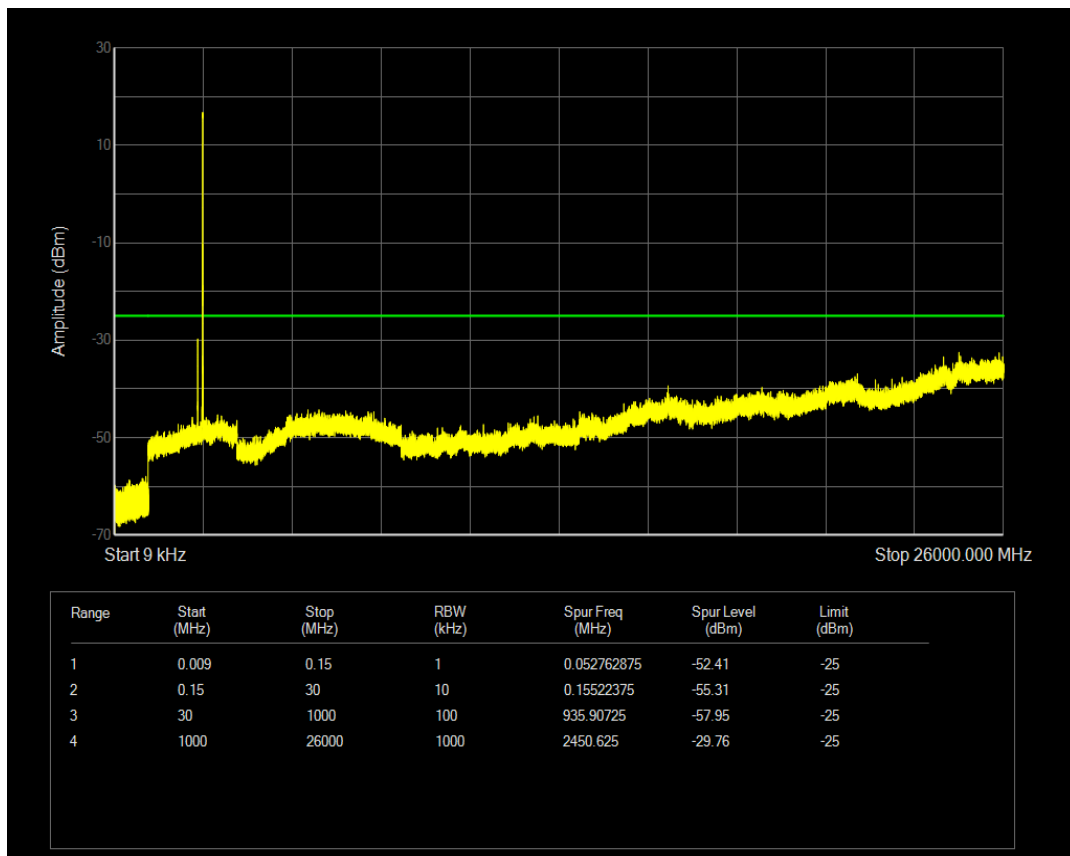
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0

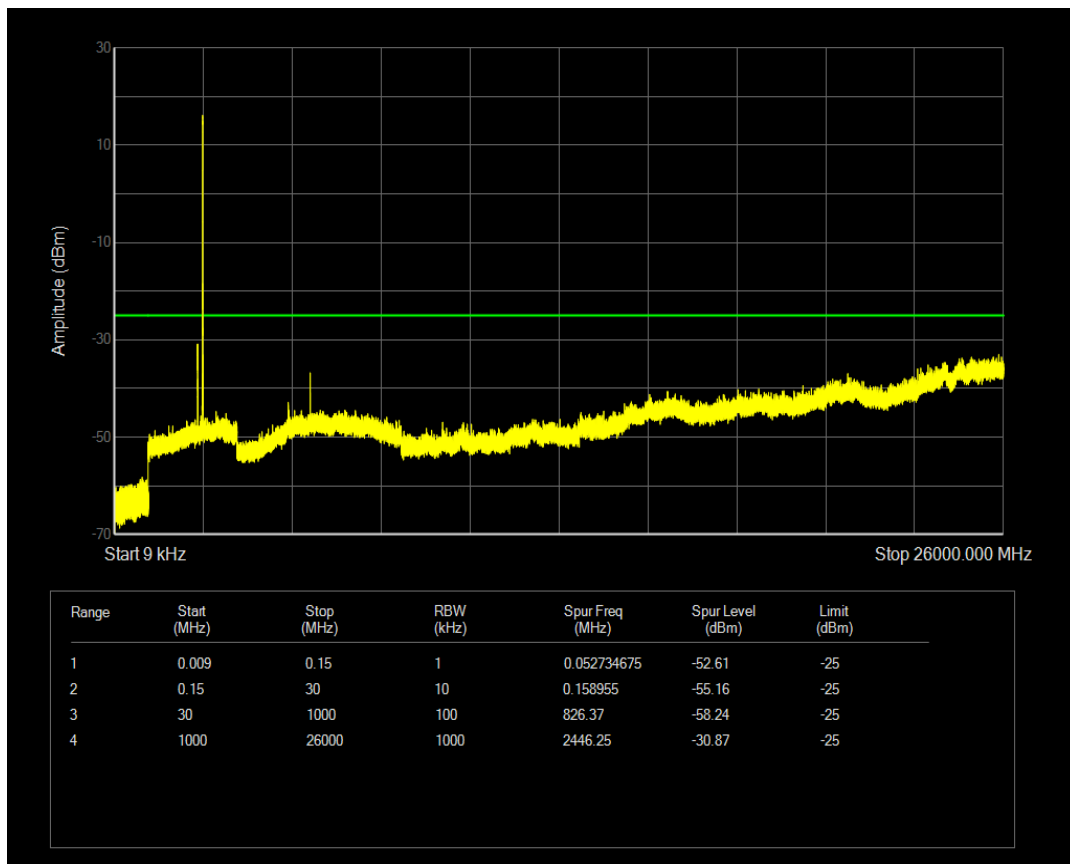


Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

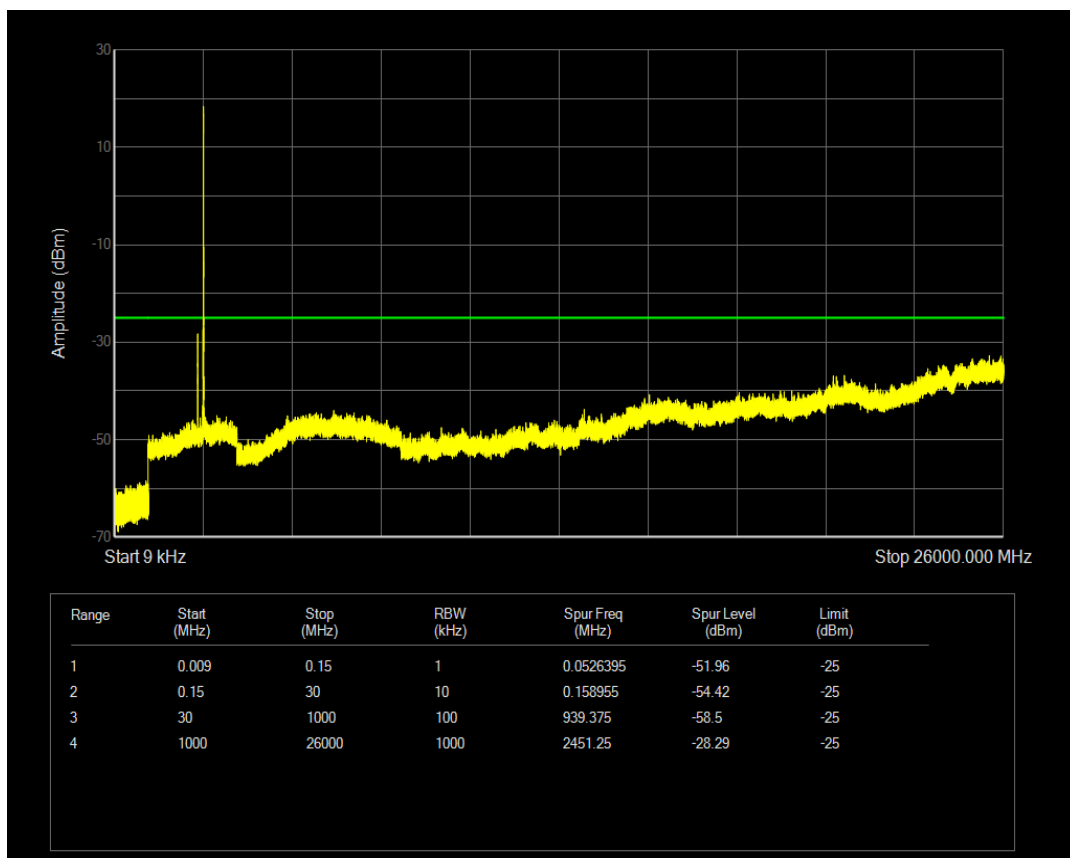




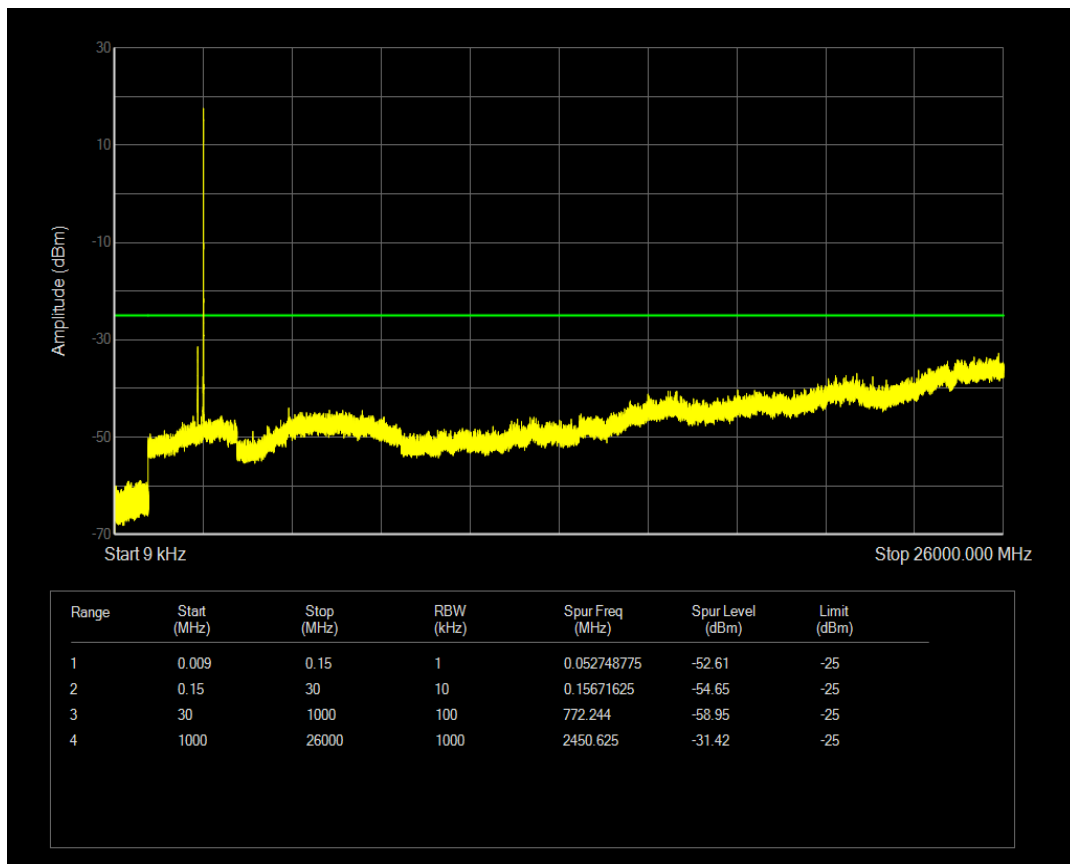
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



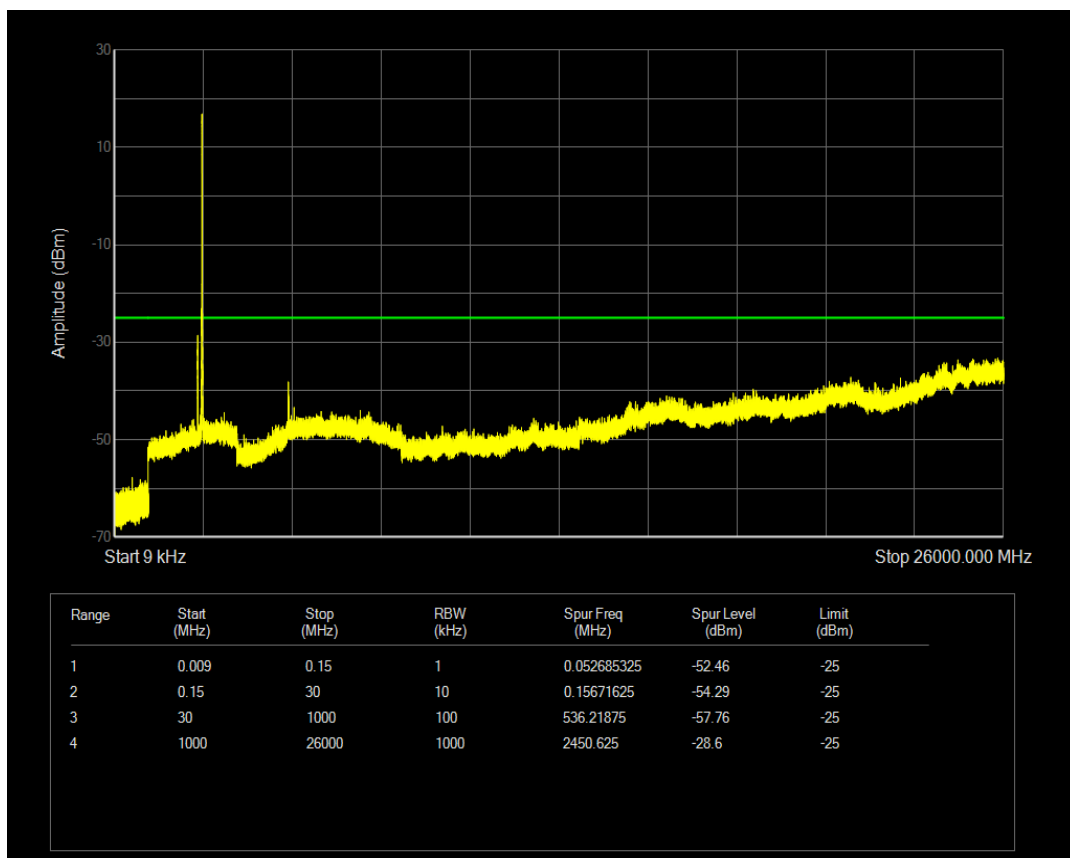
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



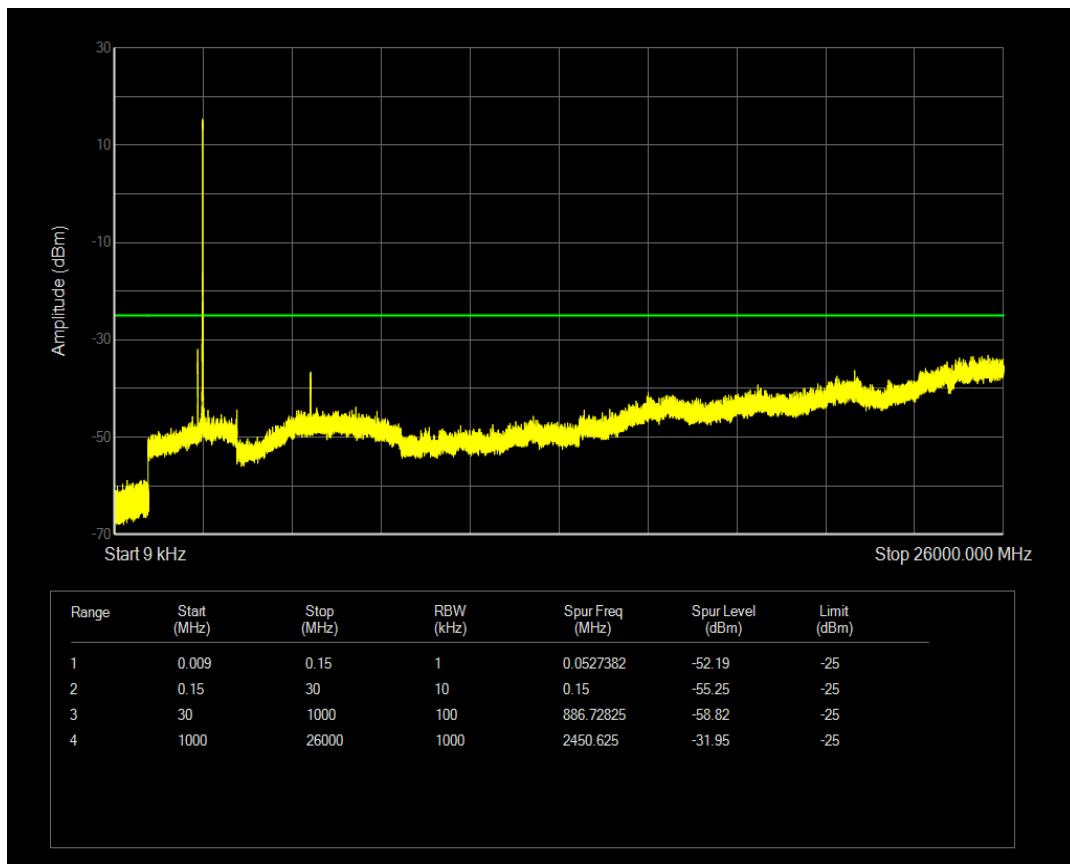
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



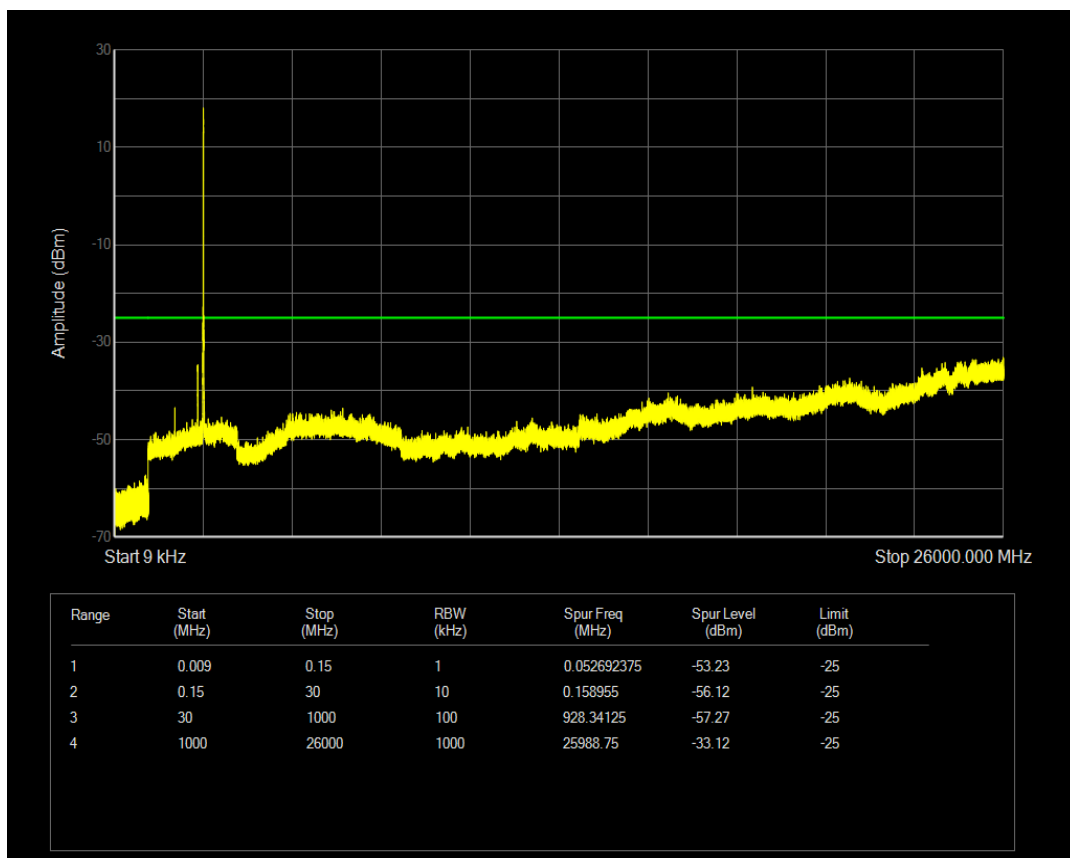
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0

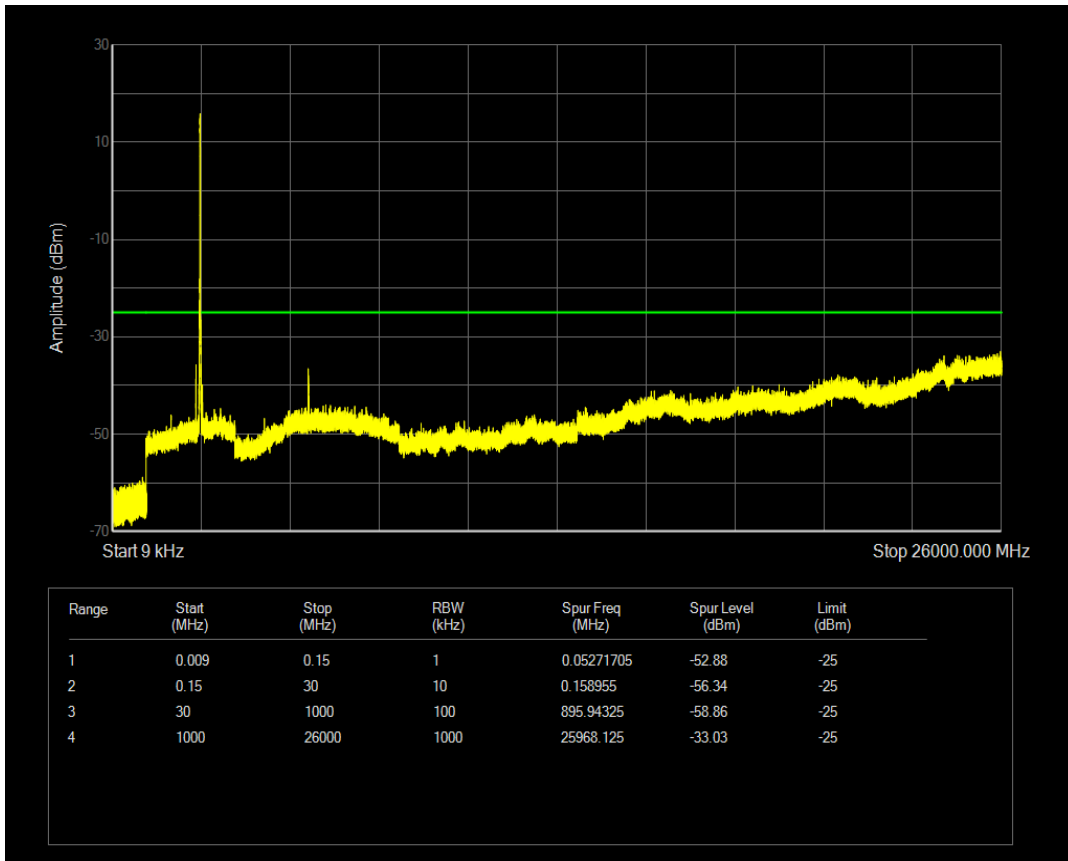


Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

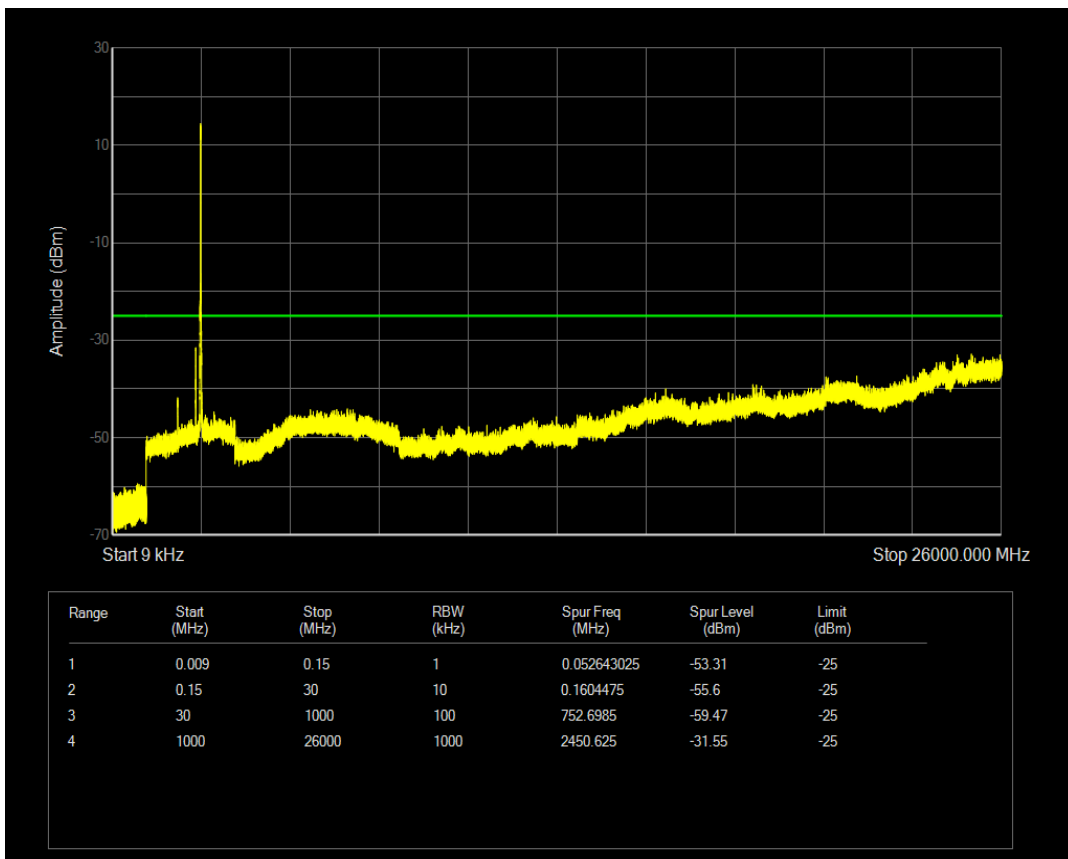




Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0

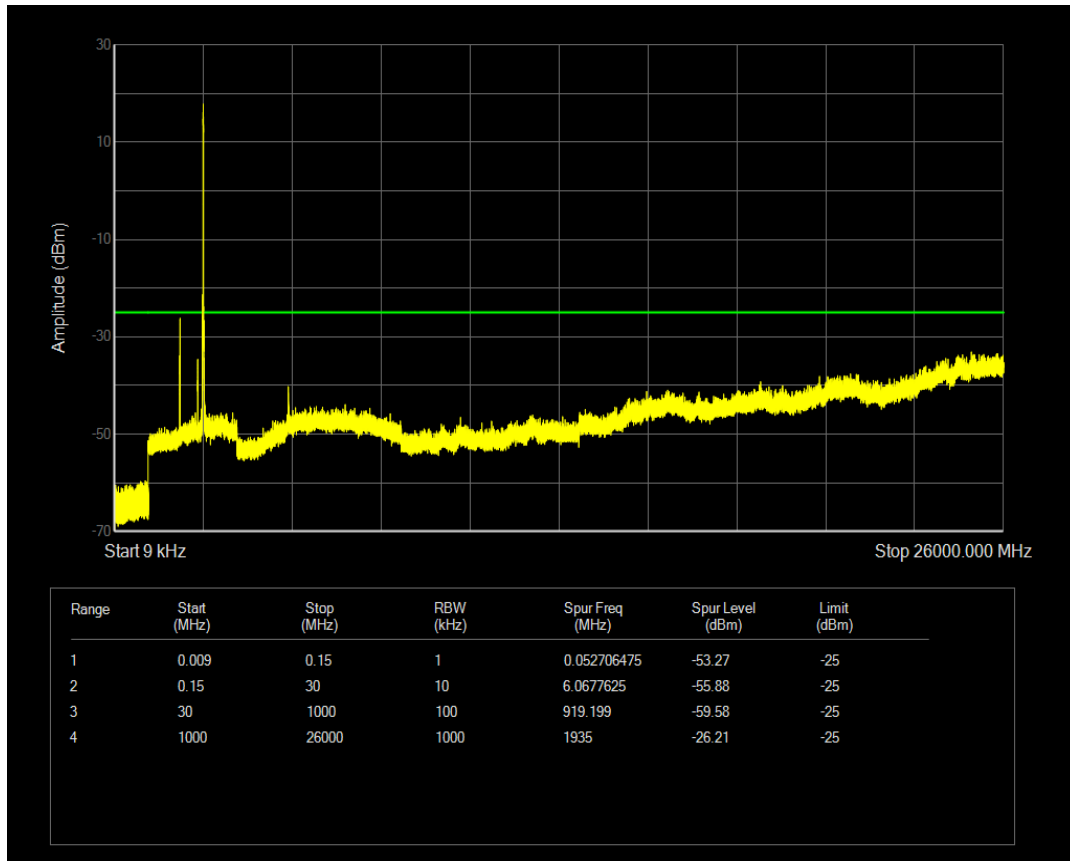


Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0

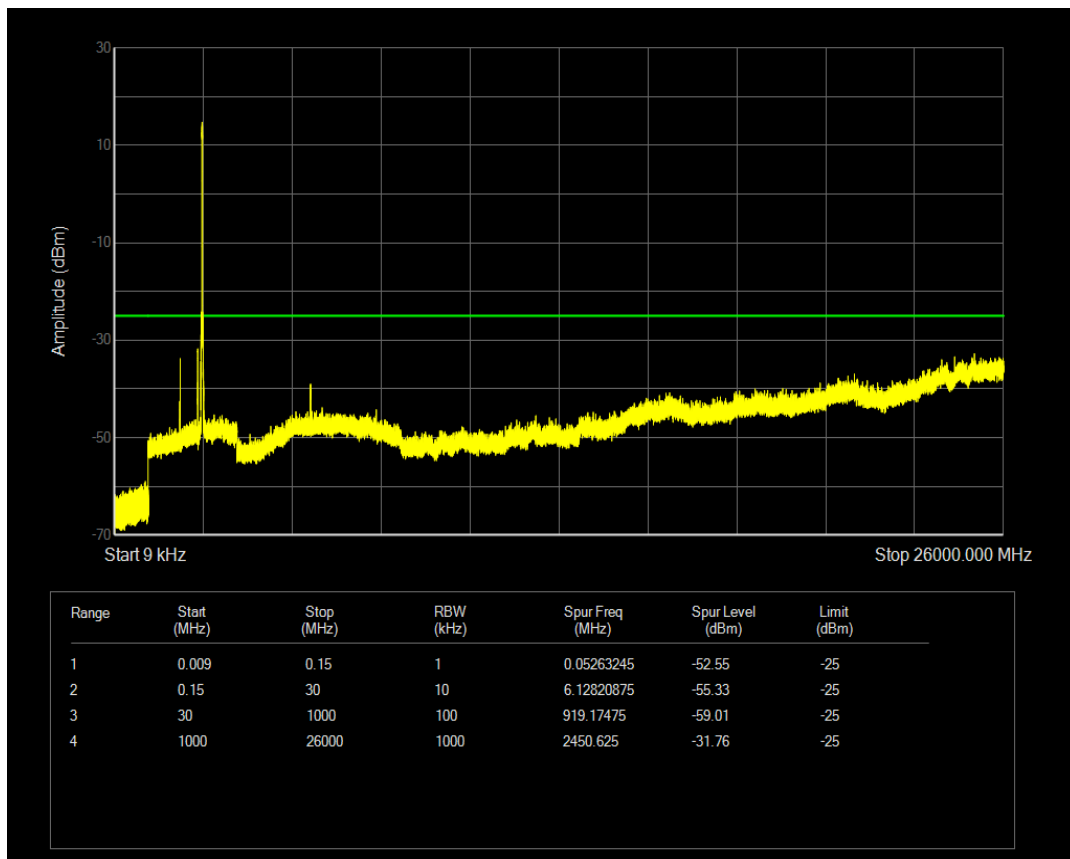




Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

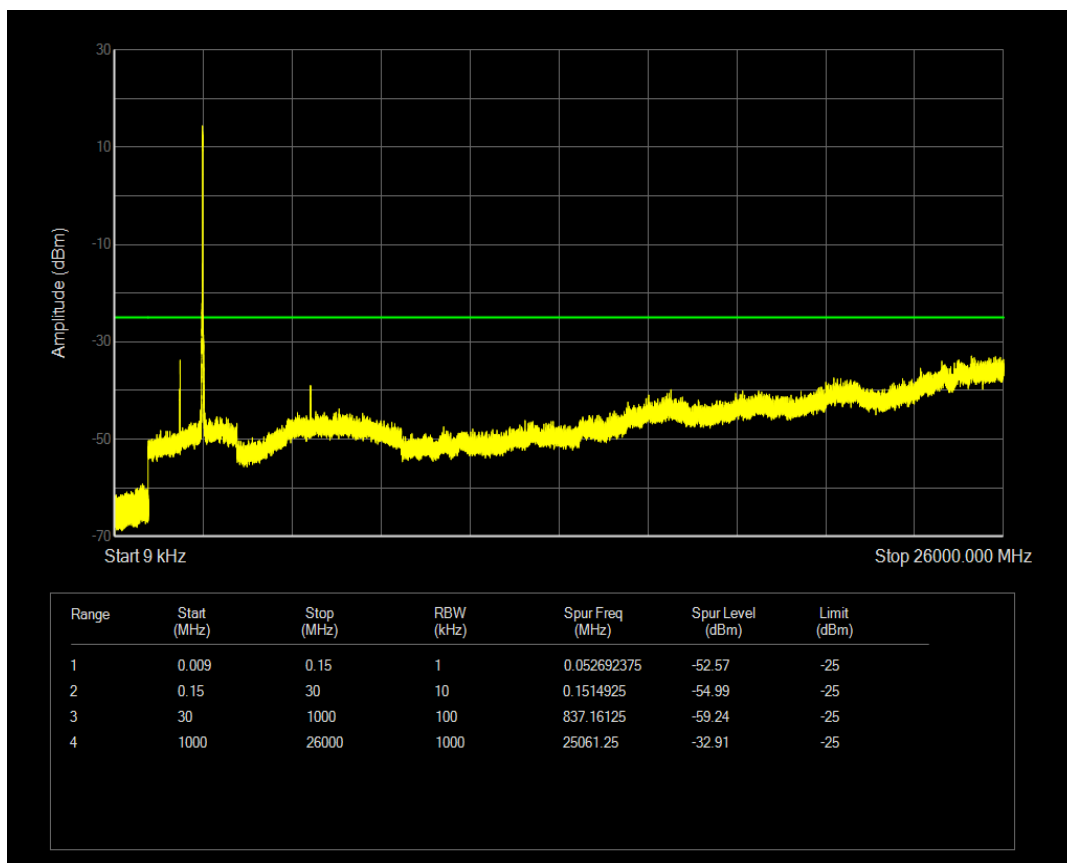


Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0





Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

