

# Appendix for Band 12

Report No.: BCTC2506730956-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY  
CO.,LTD

Product Name: Smart Phone

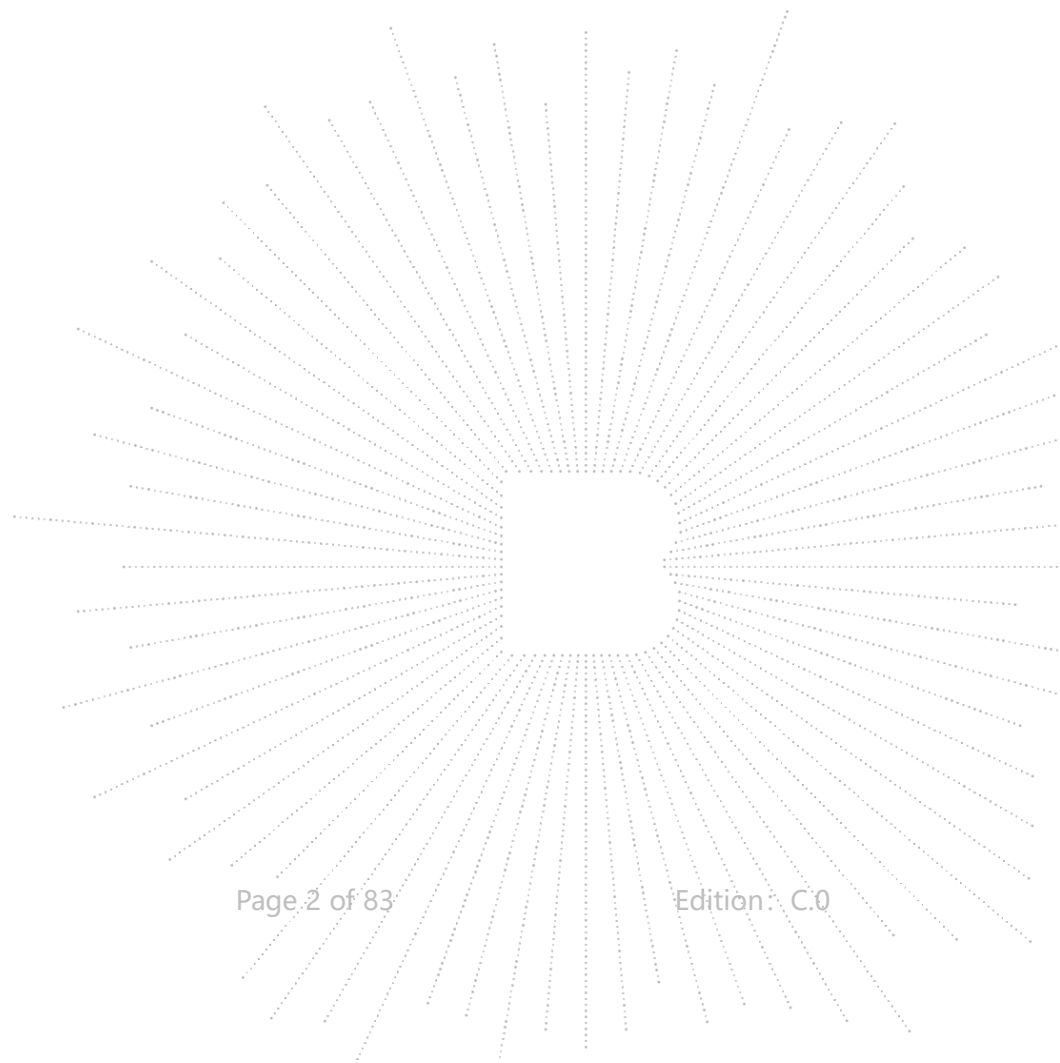
Test Model: C68 Plus

Tested Date: 2025-06-27 to 2025-08-19

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

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

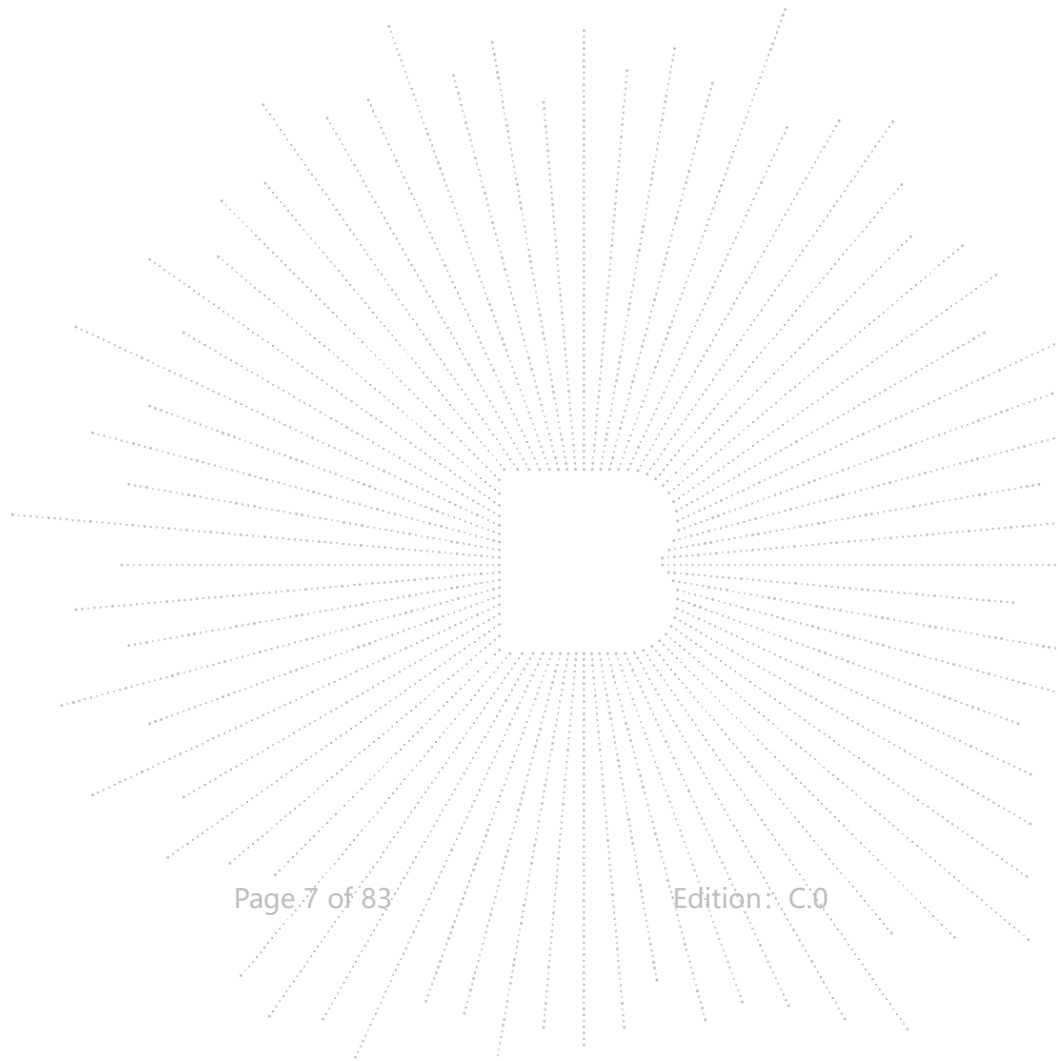
| Condition | Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Gain (dBm) | ERP (dBm) | Verdict |
|-----------|--------|-----------------|------------|---------|-------------|------------|-------------|------------|-----------|---------|
| NVNT      | Band12 | 1.4             | 23017      | 1       | #0          | QPSK       | 23.75       | -3.4       | 18.20     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Mid        | QPSK       | 23.81       | -3.4       | 18.26     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Max        | QPSK       | 23.72       | -3.4       | 18.17     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #0          | QPSK       | 23.79       | -3.4       | 18.24     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Mid        | QPSK       | 23.71       | -3.4       | 18.16     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Max        | QPSK       | 23.82       | -3.4       | 18.27     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 23.63       | -3.4       | 18.08     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #0          | 16QAM      | 24.26       | -3.4       | 18.71     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Mid        | 16QAM      | 24.26       | -3.4       | 18.71     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Max        | 16QAM      | 24.20       | -3.4       | 18.65     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #0          | 16QAM      | 23.17       | -3.4       | 17.62     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Mid        | 16QAM      | 23.42       | -3.4       | 17.87     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Max        | 16QAM      | 23.44       | -3.4       | 17.89     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 22.23       | -3.4       | 16.68     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 23.55       | -3.4       | 18.00     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Mid        | QPSK       | 23.66       | -3.4       | 18.11     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Max        | QPSK       | 23.61       | -3.4       | 18.06     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #0          | QPSK       | 23.68       | -3.4       | 18.13     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Mid        | QPSK       | 23.72       | -3.4       | 18.17     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Max        | QPSK       | 23.68       | -3.4       | 18.13     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 23.32       | -3.4       | 17.77     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #0          | 16QAM      | 23.32       | -3.4       | 17.77     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Mid        | 16QAM      | 23.29       | -3.4       | 17.74     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Max        | 16QAM      | 23.31       | -3.4       | 17.76     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #0          | 16QAM      | 22.60       | -3.4       | 17.05     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Mid        | 16QAM      | 22.65       | -3.4       | 17.10     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Max        | 16QAM      | 22.62       | -3.4       | 17.07     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 6       | #0          | 16QAM      | 21.83       | -3.4       | 16.28     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 1       | #0          | QPSK       | 23.72       | -3.4       | 18.17     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 1       | #Mid        | QPSK       | 23.82       | -3.4       | 18.27     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 1       | #Max        | QPSK       | 23.85       | -3.4       | 18.30     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 3       | #0          | QPSK       | 23.76       | -3.4       | 18.21     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 3       | #Mid        | QPSK       | 23.71       | -3.4       | 18.16     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 3       | #Max        | QPSK       | 23.74       | -3.4       | 18.19     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 23.36       | -3.4       | 17.81     | PASS    |

|      |        |     |       |    |      |       |       |      |       |      |
|------|--------|-----|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 1.4 | 23173 | 1  | #0   | 16QAM | 23.67 | -3.4 | 18.12 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 1  | #Mid | 16QAM | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 1  | #Max | 16QAM | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 3  | #0   | 16QAM | 23.15 | -3.4 | 17.60 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 3  | #Mid | 16QAM | 23.18 | -3.4 | 17.63 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 3  | #Max | 16QAM | 23.11 | -3.4 | 17.56 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 6  | #0   | 16QAM | 21.98 | -3.4 | 16.43 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #0   | QPSK  | 23.76 | -3.4 | 18.21 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 23.65 | -3.4 | 18.10 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Max | QPSK  | 23.69 | -3.4 | 18.14 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #0   | QPSK  | 23.46 | -3.4 | 17.91 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 23.48 | -3.4 | 17.93 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Max | QPSK  | 23.29 | -3.4 | 17.74 | PASS |
| NVNT | Band12 | 3   | 23025 | 15 | #0   | QPSK  | 23.60 | -3.4 | 18.05 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #0   | 16QAM | 24.08 | -3.4 | 18.53 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Mid | 16QAM | 24.03 | -3.4 | 18.48 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Max | 16QAM | 23.81 | -3.4 | 18.26 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #0   | 16QAM | 21.99 | -3.4 | 16.44 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Mid | 16QAM | 21.94 | -3.4 | 16.39 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Max | 16QAM | 21.67 | -3.4 | 16.12 | PASS |
| NVNT | Band12 | 3   | 23025 | 15 | #0   | 16QAM | 22.09 | -3.4 | 16.54 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #0   | QPSK  | 23.47 | -3.4 | 17.92 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 23.64 | -3.4 | 18.09 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Max | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #0   | QPSK  | 23.07 | -3.4 | 17.52 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 23.15 | -3.4 | 17.60 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Max | QPSK  | 23.10 | -3.4 | 17.55 | PASS |
| NVNT | Band12 | 3   | 23095 | 15 | #0   | QPSK  | 23.17 | -3.4 | 17.62 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #0   | 16QAM | 22.67 | -3.4 | 17.12 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Mid | 16QAM | 22.66 | -3.4 | 17.11 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Max | 16QAM | 22.64 | -3.4 | 17.09 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #0   | 16QAM | 21.99 | -3.4 | 16.44 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Mid | 16QAM | 22.02 | -3.4 | 16.47 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Max | 16QAM | 21.99 | -3.4 | 16.44 | PASS |
| NVNT | Band12 | 3   | 23095 | 15 | #0   | 16QAM | 21.96 | -3.4 | 16.41 | PASS |
| NVNT | Band12 | 3   | 23165 | 1  | #0   | QPSK  | 23.75 | -3.4 | 18.20 | PASS |
| NVNT | Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 23.80 | -3.4 | 18.25 | PASS |
| NVNT | Band12 | 3   | 23165 | 1  | #Max | QPSK  | 23.81 | -3.4 | 18.26 | PASS |
| NVNT | Band12 | 3   | 23165 | 8  | #0   | QPSK  | 23.21 | -3.4 | 17.66 | PASS |
| NVNT | Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 23.22 | -3.4 | 17.67 | PASS |
| NVNT | Band12 | 3   | 23165 | 8  | #Max | QPSK  | 23.25 | -3.4 | 17.70 | PASS |
| NVNT | Band12 | 3   | 23165 | 15 | #0   | QPSK  | 23.27 | -3.4 | 17.72 | PASS |

|      |        |   |       |    |      |       |       |      |       |      |
|------|--------|---|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 3 | 23165 | 1  | #0   | 16QAM | 23.66 | -3.4 | 18.11 | PASS |
| NVNT | Band12 | 3 | 23165 | 1  | #Mid | 16QAM | 23.65 | -3.4 | 18.10 | PASS |
| NVNT | Band12 | 3 | 23165 | 1  | #Max | 16QAM | 23.69 | -3.4 | 18.14 | PASS |
| NVNT | Band12 | 3 | 23165 | 8  | #0   | 16QAM | 22.00 | -3.4 | 16.45 | PASS |
| NVNT | Band12 | 3 | 23165 | 8  | #Mid | 16QAM | 21.98 | -3.4 | 16.43 | PASS |
| NVNT | Band12 | 3 | 23165 | 8  | #Max | 16QAM | 21.73 | -3.4 | 16.18 | PASS |
| NVNT | Band12 | 3 | 23165 | 15 | #0   | 16QAM | 22.07 | -3.4 | 16.52 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #0   | QPSK  | 23.72 | -3.4 | 18.17 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 23.65 | -3.4 | 18.10 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Max | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #0   | QPSK  | 23.56 | -3.4 | 18.01 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 23.22 | -3.4 | 17.67 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Max | QPSK  | 23.18 | -3.4 | 17.63 | PASS |
| NVNT | Band12 | 5 | 23035 | 25 | #0   | QPSK  | 23.28 | -3.4 | 17.73 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #0   | 16QAM | 23.18 | -3.4 | 17.63 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Mid | 16QAM | 22.85 | -3.4 | 17.30 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Max | 16QAM | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #0   | 16QAM | 22.07 | -3.4 | 16.52 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Mid | 16QAM | 21.59 | -3.4 | 16.04 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Max | 16QAM | 21.59 | -3.4 | 16.04 | PASS |
| NVNT | Band12 | 5 | 23035 | 25 | #0   | 16QAM | 21.82 | -3.4 | 16.27 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #0   | QPSK  | 23.65 | -3.4 | 18.10 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 23.57 | -3.4 | 18.02 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Max | QPSK  | 23.67 | -3.4 | 18.12 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #0   | QPSK  | 23.19 | -3.4 | 17.64 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 23.13 | -3.4 | 17.58 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Max | QPSK  | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 5 | 23095 | 25 | #0   | QPSK  | 23.17 | -3.4 | 17.62 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #0   | 16QAM | 22.34 | -3.4 | 16.79 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Mid | 16QAM | 22.32 | -3.4 | 16.77 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Max | 16QAM | 22.40 | -3.4 | 16.85 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #0   | 16QAM | 21.83 | -3.4 | 16.28 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Mid | 16QAM | 21.88 | -3.4 | 16.33 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Max | 16QAM | 21.82 | -3.4 | 16.27 | PASS |
| NVNT | Band12 | 5 | 23095 | 25 | #0   | 16QAM | 22.01 | -3.4 | 16.46 | PASS |
| NVNT | Band12 | 5 | 23155 | 1  | #0   | QPSK  | 23.65 | -3.4 | 18.10 | PASS |
| NVNT | Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 5 | 23155 | 1  | #Max | QPSK  | 23.63 | -3.4 | 18.08 | PASS |
| NVNT | Band12 | 5 | 23155 | 12 | #0   | QPSK  | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 23.13 | -3.4 | 17.58 | PASS |
| NVNT | Band12 | 5 | 23155 | 12 | #Max | QPSK  | 23.21 | -3.4 | 17.66 | PASS |
| NVNT | Band12 | 5 | 23155 | 25 | #0   | QPSK  | 23.20 | -3.4 | 17.65 | PASS |

|      |        |    |       |    |      |       |       |      |       |      |
|------|--------|----|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 5  | 23155 | 1  | #0   | 16QAM | 23.35 | -3.4 | 17.80 | PASS |
| NVNT | Band12 | 5  | 23155 | 1  | #Mid | 16QAM | 23.10 | -3.4 | 17.55 | PASS |
| NVNT | Band12 | 5  | 23155 | 1  | #Max | 16QAM | 23.25 | -3.4 | 17.70 | PASS |
| NVNT | Band12 | 5  | 23155 | 12 | #0   | 16QAM | 21.76 | -3.4 | 16.21 | PASS |
| NVNT | Band12 | 5  | 23155 | 12 | #Mid | 16QAM | 21.94 | -3.4 | 16.39 | PASS |
| NVNT | Band12 | 5  | 23155 | 12 | #Max | 16QAM | 21.99 | -3.4 | 16.44 | PASS |
| NVNT | Band12 | 5  | 23155 | 25 | #0   | 16QAM | 22.04 | -3.4 | 16.49 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #0   | QPSK  | 23.81 | -3.4 | 18.26 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 23.72 | -3.4 | 18.17 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Max | QPSK  | 23.66 | -3.4 | 18.11 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #0   | QPSK  | 23.37 | -3.4 | 17.82 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 23.28 | -3.4 | 17.73 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Max | QPSK  | 23.16 | -3.4 | 17.61 | PASS |
| NVNT | Band12 | 10 | 23060 | 50 | #0   | QPSK  | 23.26 | -3.4 | 17.71 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #0   | 16QAM | 24.03 | -3.4 | 18.48 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Mid | 16QAM | 24.02 | -3.4 | 18.47 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Max | 16QAM | 23.60 | -3.4 | 18.05 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #0   | 16QAM | 21.70 | -3.4 | 16.15 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Mid | 16QAM | 21.99 | -3.4 | 16.44 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Max | 16QAM | 21.84 | -3.4 | 16.29 | PASS |
| NVNT | Band12 | 10 | 23060 | 50 | #0   | 16QAM | 22.00 | -3.4 | 16.45 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #0   | QPSK  | 23.86 | -3.4 | 18.31 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 23.73 | -3.4 | 18.18 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Max | QPSK  | 23.84 | -3.4 | 18.29 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #0   | QPSK  | 23.17 | -3.4 | 17.62 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Max | QPSK  | 23.24 | -3.4 | 17.69 | PASS |
| NVNT | Band12 | 10 | 23095 | 50 | #0   | QPSK  | 23.26 | -3.4 | 17.71 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #0   | 16QAM | 22.65 | -3.4 | 17.10 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Mid | 16QAM | 22.68 | -3.4 | 17.13 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Max | 16QAM | 22.74 | -3.4 | 17.19 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #0   | 16QAM | 22.10 | -3.4 | 16.55 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Mid | 16QAM | 22.04 | -3.4 | 16.49 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Max | 16QAM | 21.75 | -3.4 | 16.20 | PASS |
| NVNT | Band12 | 10 | 23095 | 50 | #0   | 16QAM | 22.03 | -3.4 | 16.48 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #0   | QPSK  | 23.72 | -3.4 | 18.17 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 23.73 | -3.4 | 18.18 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Max | QPSK  | 23.78 | -3.4 | 18.23 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #0   | QPSK  | 23.25 | -3.4 | 17.70 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 23.25 | -3.4 | 17.70 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Max | QPSK  | 23.25 | -3.4 | 17.70 | PASS |
| NVNT | Band12 | 10 | 23130 | 50 | #0   | QPSK  | 23.23 | -3.4 | 17.68 | PASS |

|      |        |    |       |    |      |       |       |      |       |      |
|------|--------|----|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 10 | 23130 | 1  | #0   | 16QAM | 22.66 | -3.4 | 17.11 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Mid | 16QAM | 22.68 | -3.4 | 17.13 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Max | 16QAM | 22.80 | -3.4 | 17.25 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #0   | 16QAM | 22.02 | -3.4 | 16.47 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Mid | 16QAM | 21.88 | -3.4 | 16.33 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Max | 16QAM | 22.05 | -3.4 | 16.50 | PASS |
| NVNT | Band12 | 10 | 23130 | 50 | #0   | 16QAM | 21.73 | -3.4 | 16.18 | PASS |



## Appendix 2.Frequency stability

| Condition | Band       | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Voltage (Vdc) | Temperature (C) | Result (Hz) | Result (ppm) | Verdict |
|-----------|------------|-----------------|------------|---------|-------------|------------|---------------|-----------------|-------------|--------------|---------|
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | LV            | NT              | -5.34       | -0.008       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | NT              | -5.09       | -0.007       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | HV            | NT              | -5.28       | -0.008       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | LV            | NT              | -5.01       | -0.007       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | NV            | NT              | -5.45       | -0.008       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | HV            | NT              | -6.05       | -0.009       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | QPSK       | LV            | NT              | 23.43       | 0.033        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | QPSK       | NV            | NT              | 23.90       | 0.034        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | QPSK       | HV            | NT              | 23.07       | 0.033        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | 16QAM      | LV            | NT              | 24.20       | 0.034        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | 16QAM      | NV            | NT              | 23.30       | 0.033        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | 16QAM      | HV            | NT              | 25.12       | 0.036        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | QPSK       | LV            | NT              | -26.94      | -0.038       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | QPSK       | NV            | NT              | -26.62      | -0.037       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | QPSK       | HV            | NT              | -26.59      | -0.037       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | 16QAM      | LV            | NT              | -27.95      | -0.039       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | 16QAM      | NV            | NT              | -27.91      | -0.039       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | 16QAM      | HV            | NT              | -29.28      | -0.041       | PASS    |
| NVNT      | Band1<br>2 | 3               | 23025      | 15      | #0          | QPSK       | LV            | NT              | 29.91       | 0.043        | PASS    |

|      |            |   |       |    |    |       |    |    |        |        |      |
|------|------------|---|-------|----|----|-------|----|----|--------|--------|------|
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | NV | NT | 33.69  | 0.048  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | HV | NT | 36.42  | 0.052  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | LV | NT | 40.11  | 0.057  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | NT | 41.54  | 0.059  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | HV | NT | 43.70  | 0.062  | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | LV | NT | -29.80 | -0.042 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | NT | -29.48 | -0.042 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | HV | NT | -29.05 | -0.041 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | LV | NT | -27.87 | -0.039 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | NT | -31.49 | -0.045 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | HV | NT | -30.97 | -0.044 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | LV | NT | 3.96   | 0.006  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | NT | 4.38   | 0.006  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | HV | NT | 1.85   | 0.003  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | LV | NT | 0.13   | 0.000  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | NT | -3.49  | -0.005 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | HV | NT | -7.27  | -0.010 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | LV | NT | 17.52  | 0.025  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | NT | 12.66  | 0.018  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | HV | NT | 6.29   | 0.009  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | LV | NT | -0.92  | -0.001 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | NT | -7.93  | -0.011 | PASS |

|      |            |    |       |    |    |       |    |    |        |        |      |
|------|------------|----|-------|----|----|-------|----|----|--------|--------|------|
|      | 2          |    |       |    |    |       |    |    |        |        |      |
| NVNT | Band1<br>2 | 5  | 23035 | 25 | #0 | 16QAM | HV | NT | -14.62 | -0.021 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | QPSK  | LV | NT | -28.15 | -0.040 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | QPSK  | NV | NT | -35.73 | -0.051 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | QPSK  | HV | NT | -43.93 | -0.062 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | 16QAM | LV | NT | -6.72  | -0.009 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | 16QAM | NV | NT | -13.48 | -0.019 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | 16QAM | HV | NT | -16.41 | -0.023 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | QPSK  | LV | NT | 0.96   | 0.001  | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | QPSK  | NV | NT | 0.79   | 0.001  | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | QPSK  | HV | NT | -1.04  | -0.001 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | LV | NT | -6.65  | -0.009 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | NT | -10.73 | -0.015 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | HV | NT | -17.61 | -0.025 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | LV | NT | -29.48 | -0.042 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | NT | -36.49 | -0.052 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | HV | NT | -45.13 | -0.064 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | LV | NT | -6.04  | -0.009 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | NT | -14.85 | -0.021 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | HV | NT | -24.29 | -0.035 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | LV | NT | -30.03 | -0.042 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | NT | -37.48 | -0.053 | PASS |

|      |            |    |       |    |    |       |    |    |        |        |      |
|------|------------|----|-------|----|----|-------|----|----|--------|--------|------|
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | HV | NT | -19.48 | -0.028 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | LV | NT | -11.13 | -0.016 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | NT | -19.83 | -0.028 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | HV | NT | -30.97 | -0.044 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | LV | NT | -32.69 | -0.046 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | NT | -41.38 | -0.058 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | HV | NT | -43.95 | -0.062 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | LV | NT | -6.79  | -0.010 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | NT | -11.96 | -0.017 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | HV | NT | -15.56 | -0.022 | PASS |

| Condition | Band       | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Voltage (Vdc) | Temperature (C) | Result (Hz) | Result (ppm) | Verdict |
|-----------|------------|-----------------|------------|---------|-------------|------------|---------------|-----------------|-------------|--------------|---------|
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | -30             | 9.38        | 0.013        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | -20             | 9.50        | 0.014        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | 0               | 9.84        | 0.014        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | 10              | 9.94        | 0.014        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | 20              | 9.41        | 0.013        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | 30              | 9.58        | 0.014        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | 40              | 9.00        | 0.013        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | 50              | 6.59        | 0.009        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | NV            | -30             | 5.99        | 0.009        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | NV            | -20             | 3.96        | 0.006        | PASS    |

|      |            |     |       |   |    |       |    |     |       |        |      |
|------|------------|-----|-------|---|----|-------|----|-----|-------|--------|------|
|      | 2          |     |       |   |    |       |    |     |       |        |      |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 0   | 4.01  | 0.006  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 10  | 3.09  | 0.004  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 20  | 1.95  | 0.003  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 30  | -0.10 | 0.000  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 40  | -1.69 | -0.002 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 50  | -2.90 | -0.004 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -30 | 25.09 | 0.035  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -20 | 22.14 | 0.031  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 0   | 20.89 | 0.030  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 10  | 18.38 | 0.026  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 20  | 16.87 | 0.024  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 30  | 14.61 | 0.021  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 40  | 11.96 | 0.017  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 50  | 8.74  | 0.012  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -30 | 9.31  | 0.013  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -20 | 8.68  | 0.012  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 0   | 7.55  | 0.011  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 10  | 6.22  | 0.009  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 20  | 3.92  | 0.006  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 30  | 3.40  | 0.005  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 40  | 4.42  | 0.006  | PASS |

|      |            |     |       |    |    |       |    |     |        |        |      |
|------|------------|-----|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 1.4 | 23095 | 6  | #0 | 16QAM | NV | 50  | 3.58   | 0.005  | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | -30 | -37.47 | -0.052 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | -20 | -40.71 | -0.057 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 0   | -43.36 | -0.061 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 10  | -46.95 | -0.066 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 20  | -49.80 | -0.070 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 30  | -3.69  | -0.005 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 40  | -7.84  | -0.011 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 50  | -12.36 | -0.017 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | -30 | -15.28 | -0.021 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | -20 | -20.00 | -0.028 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 0   | -22.47 | -0.031 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 10  | -26.11 | -0.037 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 20  | -29.14 | -0.041 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 30  | -33.57 | -0.047 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 40  | -37.28 | -0.052 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 50  | -40.57 | -0.057 | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | -30 | 4.78   | 0.007  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | -20 | 3.91   | 0.006  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 0   | 1.89   | 0.003  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 10  | 1.10   | 0.002  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 20  | -1.04  | -0.001 | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
|      | 2          |   |       |    |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | NV | 30  | -3.05  | -0.004 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | NV | 40  | -6.52  | -0.009 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | NV | 50  | -10.63 | -0.015 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | -30 | -15.61 | -0.022 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | -20 | -19.30 | -0.028 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 0   | -22.17 | -0.032 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 10  | -26.48 | -0.038 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 20  | -34.42 | -0.049 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 30  | -35.53 | -0.051 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 40  | -37.61 | -0.054 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 50  | -43.26 | -0.062 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | -30 | -37.42 | -0.053 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | -20 | -41.23 | -0.058 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 0   | -45.23 | -0.064 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 10  | -4.72  | -0.007 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 20  | -8.43  | -0.012 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 30  | -11.63 | -0.016 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 40  | -16.52 | -0.023 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 50  | -20.41 | -0.029 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | -30 | -23.35 | -0.033 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | -20 | -25.33 | -0.036 | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 0   | -28.40 | -0.040 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 10  | -31.43 | -0.044 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 20  | -33.07 | -0.047 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 30  | -36.62 | -0.052 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 40  | -39.42 | -0.056 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 50  | -42.87 | -0.061 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | -30 | 1.82   | 0.003  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | -20 | -7.41  | -0.010 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 0   | -11.39 | -0.016 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 10  | -16.79 | -0.023 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 20  | -20.64 | -0.029 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 30  | -25.51 | -0.036 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 40  | -29.13 | -0.041 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 50  | -32.82 | -0.046 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | -30 | -34.92 | -0.049 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | -20 | -37.62 | -0.053 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 0   | -40.30 | -0.056 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 10  | -43.66 | -0.061 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 20  | -47.68 | -0.067 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 30  | -21.14 | -0.030 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 40  | -2.63  | -0.004 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 50  | -4.43  | -0.006 | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
|      | 2          |   |       |    |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | -30 | -21.07 | -0.030 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | -20 | -21.72 | -0.031 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 0   | -22.79 | -0.032 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 10  | -25.48 | -0.036 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 20  | -27.58 | -0.039 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 30  | -31.90 | -0.045 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 40  | -34.62 | -0.049 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 50  | -38.37 | -0.055 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | -30 | -41.56 | -0.059 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | -20 | -44.52 | -0.063 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 0   | -46.94 | -0.067 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 10  | -44.29 | -0.063 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 20  | -1.97  | -0.003 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 30  | -4.76  | -0.007 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 40  | -7.18  | -0.010 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 50  | -15.11 | -0.022 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | -30 | -3.00  | -0.004 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | -20 | -6.41  | -0.009 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 0   | -10.67 | -0.015 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 10  | -13.70 | -0.019 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 20  | -16.18 | -0.023 | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 30  | -21.77 | -0.031 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 40  | -21.66 | -0.031 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 50  | -24.76 | -0.035 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | -30 | -27.52 | -0.039 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | -20 | -29.85 | -0.042 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 0   | -32.09 | -0.045 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 10  | -32.99 | -0.047 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 20  | -34.73 | -0.049 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 30  | -36.39 | -0.051 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 40  | -38.15 | -0.054 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 50  | -40.21 | -0.057 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | -30 | 2.83   | 0.004  | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | -20 | -0.57  | -0.001 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 0   | -3.53  | -0.005 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 10  | -8.25  | -0.012 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 20  | -11.87 | -0.017 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 30  | -14.29 | -0.020 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 40  | -17.98 | -0.025 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 50  | -20.31 | -0.028 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | -30 | -23.59 | -0.033 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | -20 | -27.07 | -0.038 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | 0   | -31.11 | -0.044 | PASS |

|      |            |    |       |    |    |       |    |     |        |        |      |
|------|------------|----|-------|----|----|-------|----|-----|--------|--------|------|
|      | 2          |    |       |    |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 10  | -39.63 | -0.056 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 20  | -38.27 | -0.054 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 30  | -41.89 | -0.059 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 40  | -44.60 | -0.063 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 50  | -47.31 | -0.066 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | -30 | -18.12 | -0.026 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | -20 | -18.90 | -0.027 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 0   | -20.77 | -0.030 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 10  | -23.22 | -0.033 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 20  | -27.02 | -0.038 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 30  | -32.14 | -0.046 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 40  | -39.57 | -0.056 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 50  | -45.59 | -0.065 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | -30 | -5.88  | -0.008 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | -20 | -11.22 | -0.016 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 0   | -15.56 | -0.022 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 10  | -19.54 | -0.028 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 20  | -21.73 | -0.031 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 30  | -25.66 | -0.036 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 40  | -29.31 | -0.042 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 50  | -33.20 | -0.047 | PASS |

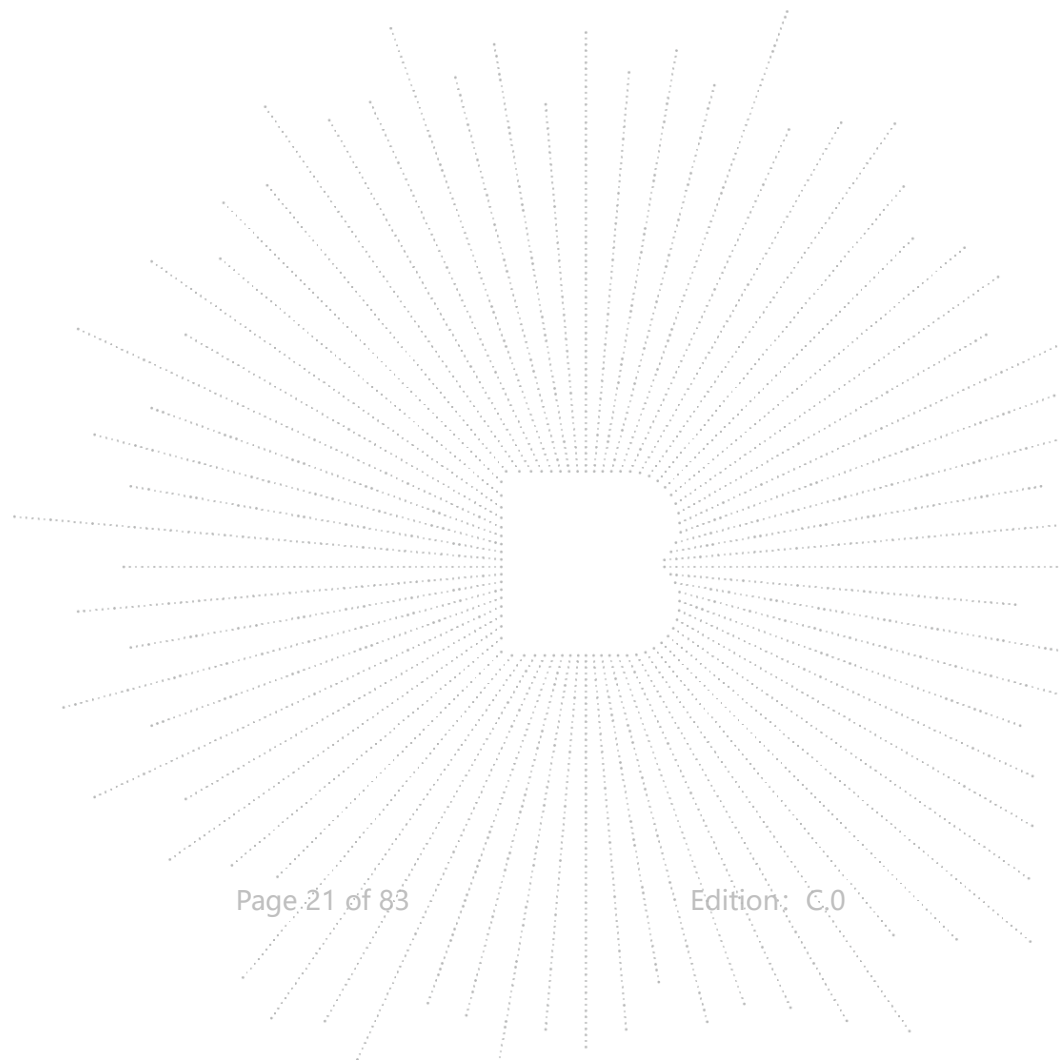
|      |            |    |       |    |    |       |    |     |        |        |      |
|------|------------|----|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | -30 | 5.49   | 0.008  | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | -20 | 1.87   | 0.003  | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 0   | -2.13  | -0.003 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 10  | -6.04  | -0.009 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 20  | -9.91  | -0.014 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 30  | -13.95 | -0.020 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 40  | -17.75 | -0.025 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 50  | -22.70 | -0.032 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | -30 | -25.88 | -0.037 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | -20 | -28.15 | -0.040 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 0   | -29.34 | -0.041 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 10  | -30.84 | -0.044 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 20  | -33.40 | -0.047 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 30  | -35.32 | -0.050 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 40  | -36.16 | -0.051 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 50  | -38.51 | -0.054 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | -30 | 36.44  | 0.051  | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | -20 | 34.43  | 0.048  | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 0   | 32.82  | 0.046  | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 10  | 30.91  | 0.043  | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 20  | 27.54  | 0.039  | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 30  | 24.58  | 0.035  | PASS |

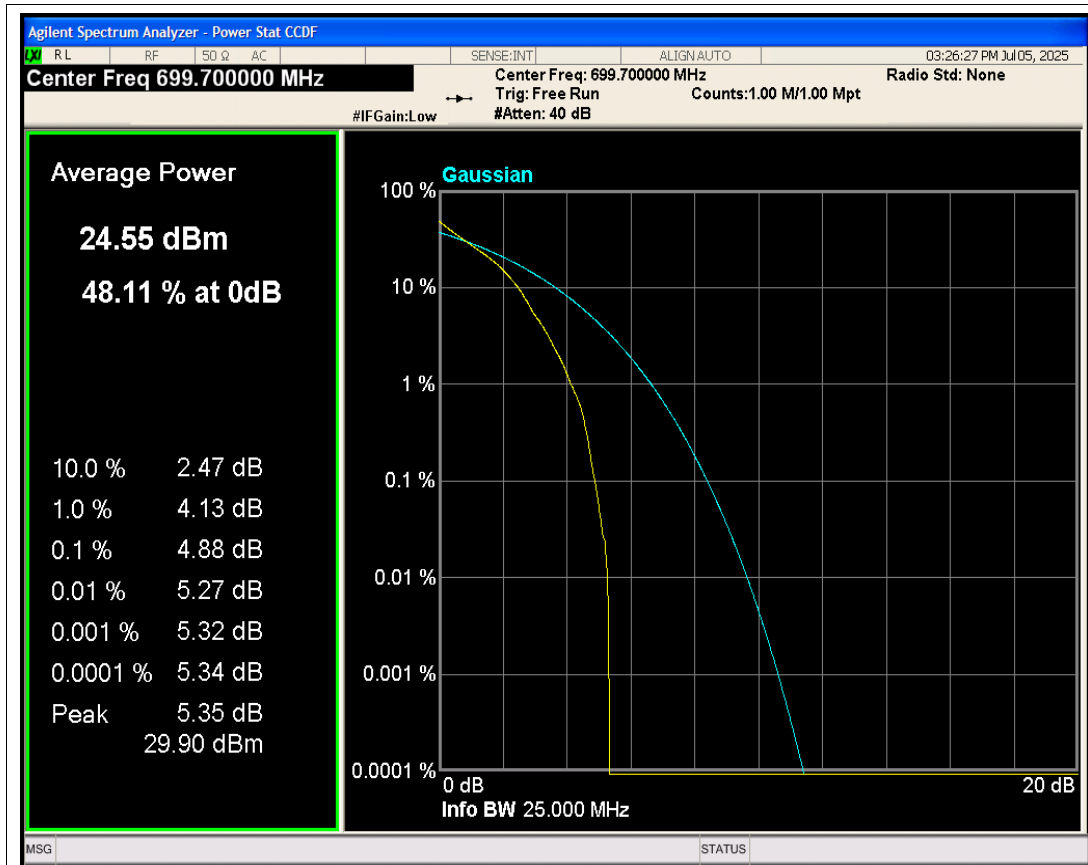
|      |            |    |       |    |    |       |    |     |       |       |      |
|------|------------|----|-------|----|----|-------|----|-----|-------|-------|------|
|      | 2          |    |       |    |    |       |    |     |       |       |      |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 40  | 21.87 | 0.031 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 50  | 18.00 | 0.025 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | -30 | 15.84 | 0.022 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | -20 | 14.03 | 0.020 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 0   | 13.33 | 0.019 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 10  | 12.03 | 0.017 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 20  | 10.59 | 0.015 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 30  | 9.64  | 0.014 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 40  | 8.23  | 0.012 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 50  | 7.01  | 0.010 | PASS |

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

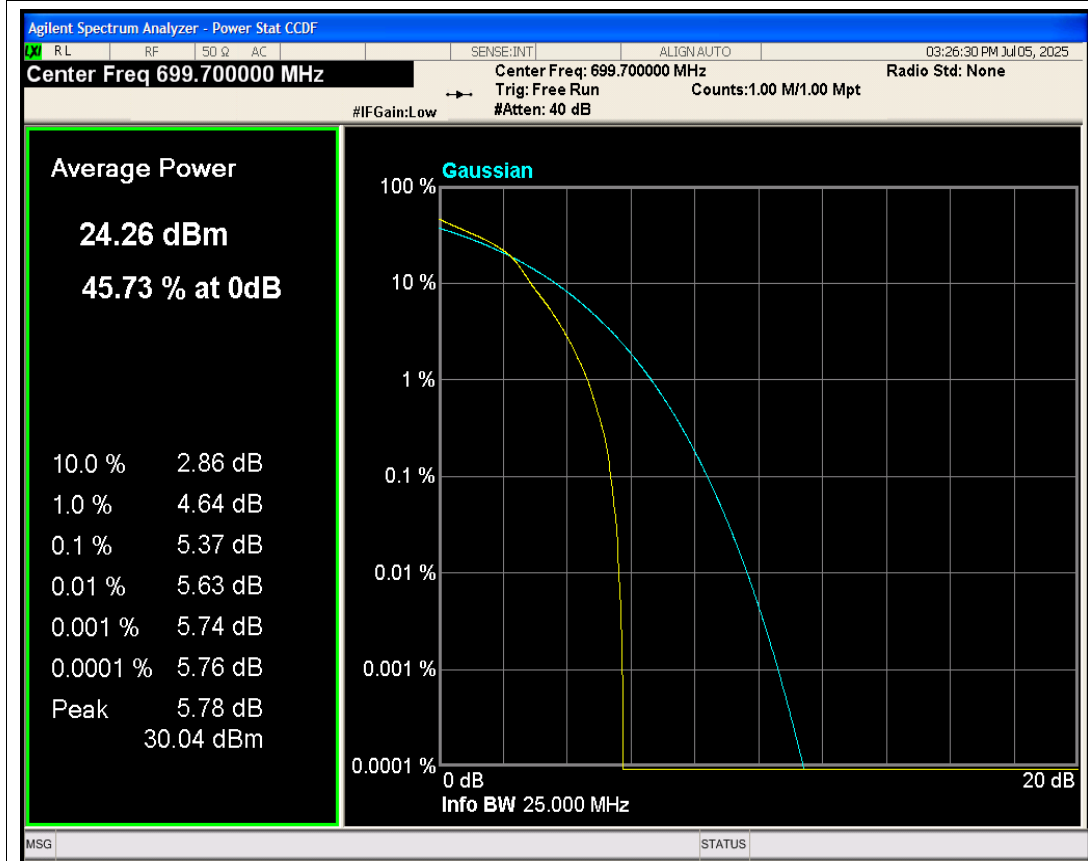
| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high<br>Limit<br>(dB) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|----------------|-----------------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 1          | #0             | QPSK       | 4.88           | 13                    | PASS    |
| NVNT      | Band12 | 1.4                | 23017         | 1          | #0             | 16QAM      | 5.37           | 13                    | PASS    |
| NVNT      | Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 5.37           | 13                    | PASS    |
| NVNT      | Band12 | 1.4                | 23095         | 1          | #0             | 16QAM      | 6.19           | 13                    | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 1          | #0             | QPSK       | 5.16           | 13                    | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 1          | #0             | 16QAM      | 5.81           | 13                    | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 1          | #0             | QPSK       | 4.83           | 13                    | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 1          | #0             | 16QAM      | 5.71           | 13                    | PASS    |
| NVNT      | Band12 | 3                  | 23095         | 1          | #0             | QPSK       | 5.29           | 13                    | PASS    |
| NVNT      | Band12 | 3                  | 23095         | 1          | #0             | 16QAM      | 6.09           | 13                    | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 1          | #0             | QPSK       | 5.21           | 13                    | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 1          | #0             | 16QAM      | 5.84           | 13                    | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 1          | #0             | QPSK       | 5.14           | 13                    | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 1          | #0             | 16QAM      | 5.73           | 13                    | PASS    |
| NVNT      | Band12 | 5                  | 23095         | 1          | #0             | QPSK       | 5.21           | 13                    | PASS    |

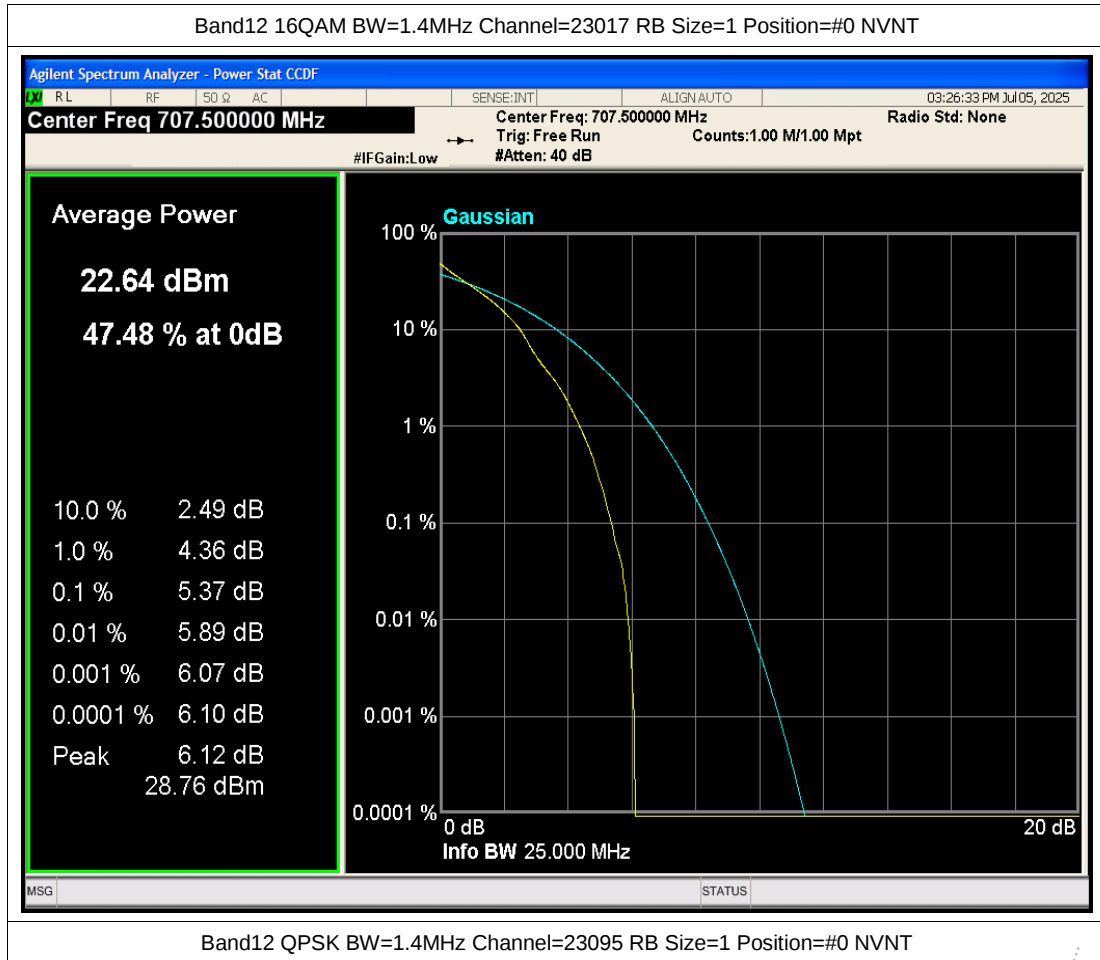
|      |        |    |       |   |    |       |      |    |      |
|------|--------|----|-------|---|----|-------|------|----|------|
| NVNT | Band12 | 5  | 23095 | 1 | #0 | 16QAM | 5.76 | 13 | PASS |
| NVNT | Band12 | 5  | 23155 | 1 | #0 | QPSK  | 5.28 | 13 | PASS |
| NVNT | Band12 | 5  | 23155 | 1 | #0 | 16QAM | 5.83 | 13 | PASS |
| NVNT | Band12 | 10 | 23060 | 1 | #0 | QPSK  | 4.83 | 13 | PASS |
| NVNT | Band12 | 10 | 23060 | 1 | #0 | 16QAM | 5.88 | 13 | PASS |
| NVNT | Band12 | 10 | 23095 | 1 | #0 | QPSK  | 4.89 | 13 | PASS |
| NVNT | Band12 | 10 | 23095 | 1 | #0 | 16QAM | 5.86 | 13 | PASS |
| NVNT | Band12 | 10 | 23130 | 1 | #0 | QPSK  | 5.23 | 13 | PASS |
| NVNT | Band12 | 10 | 23130 | 1 | #0 | 16QAM | 5.76 | 13 | PASS |

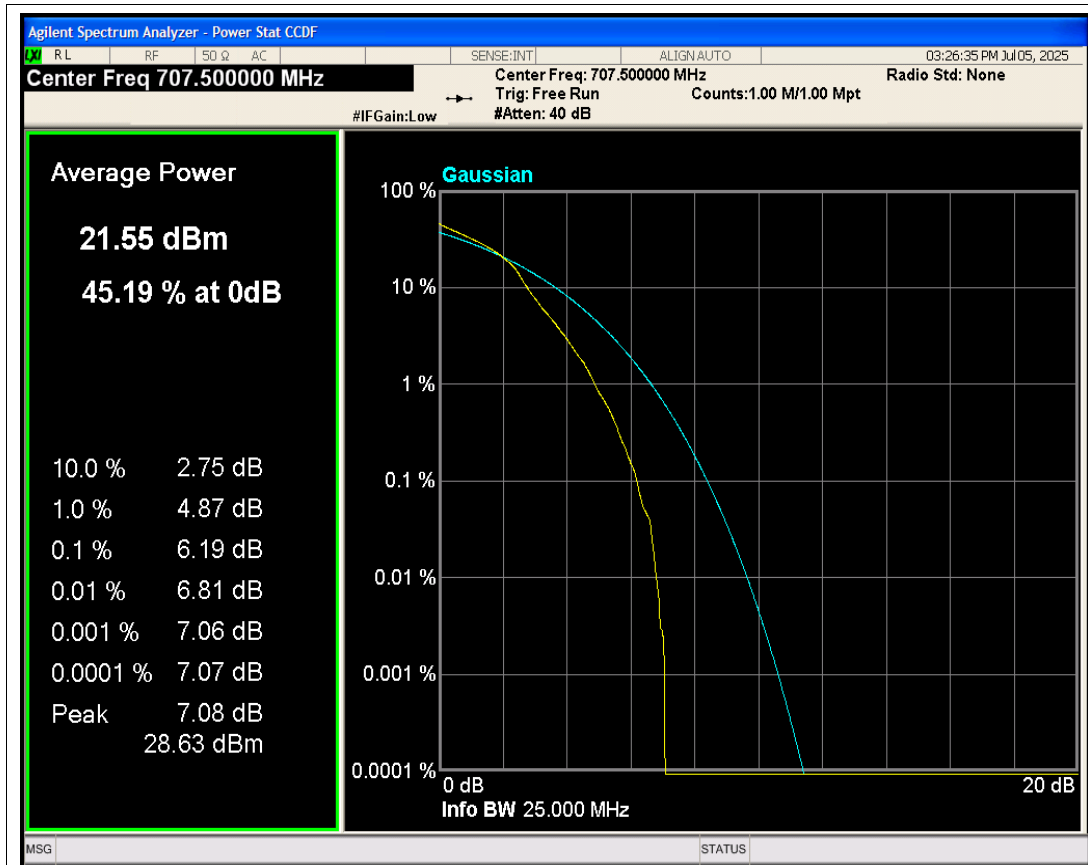




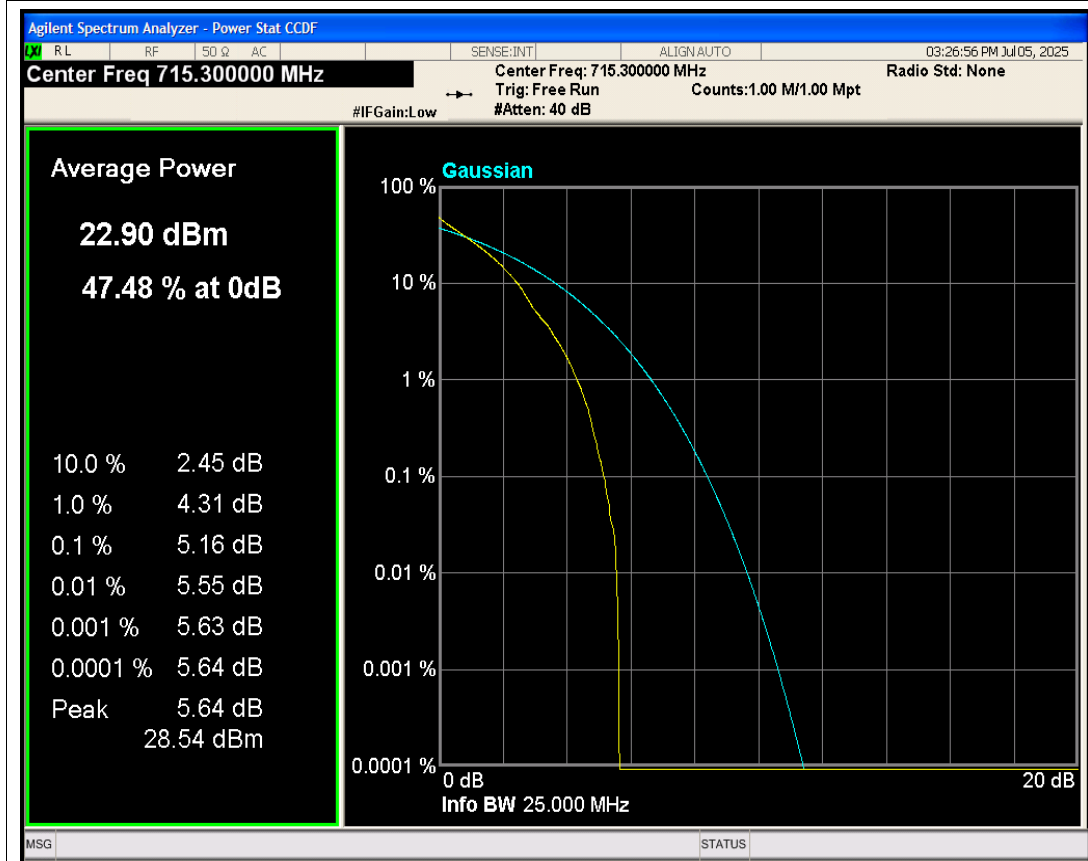
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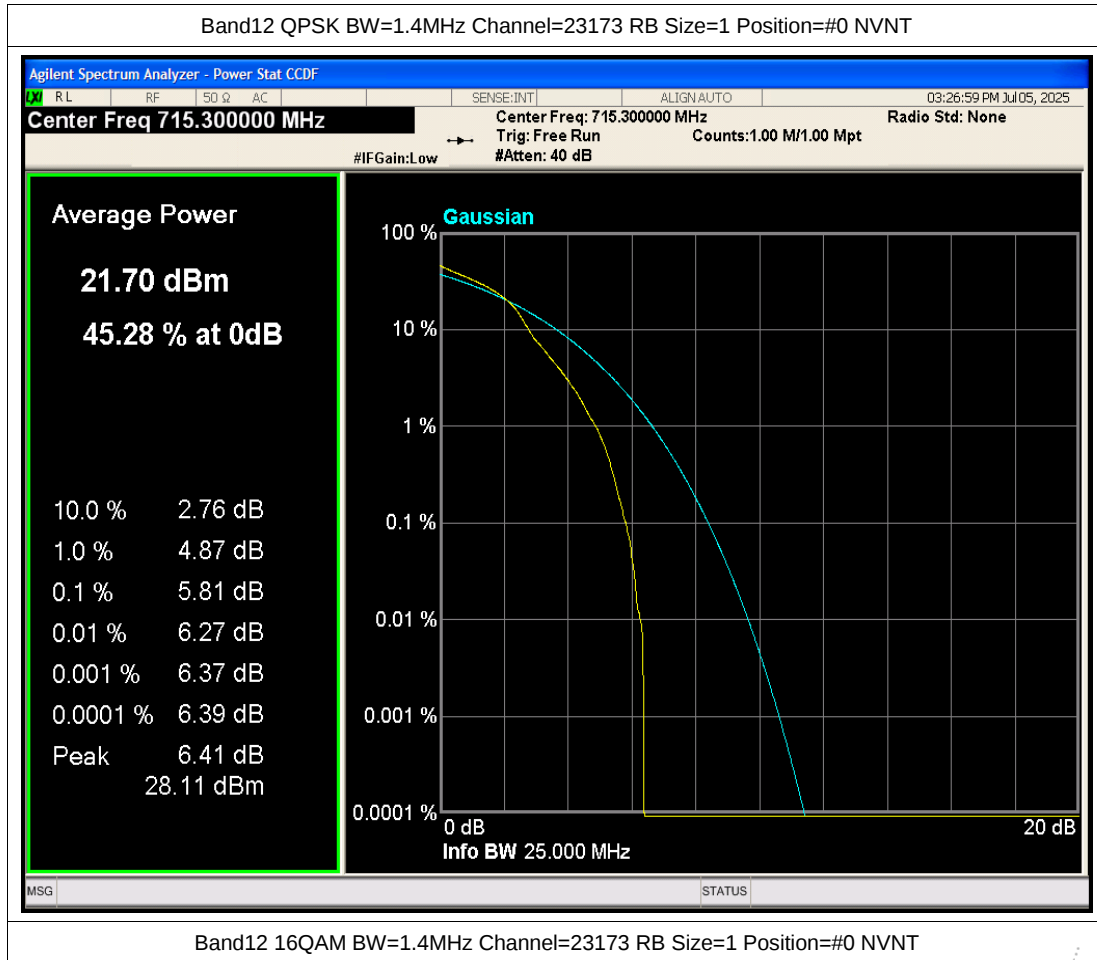


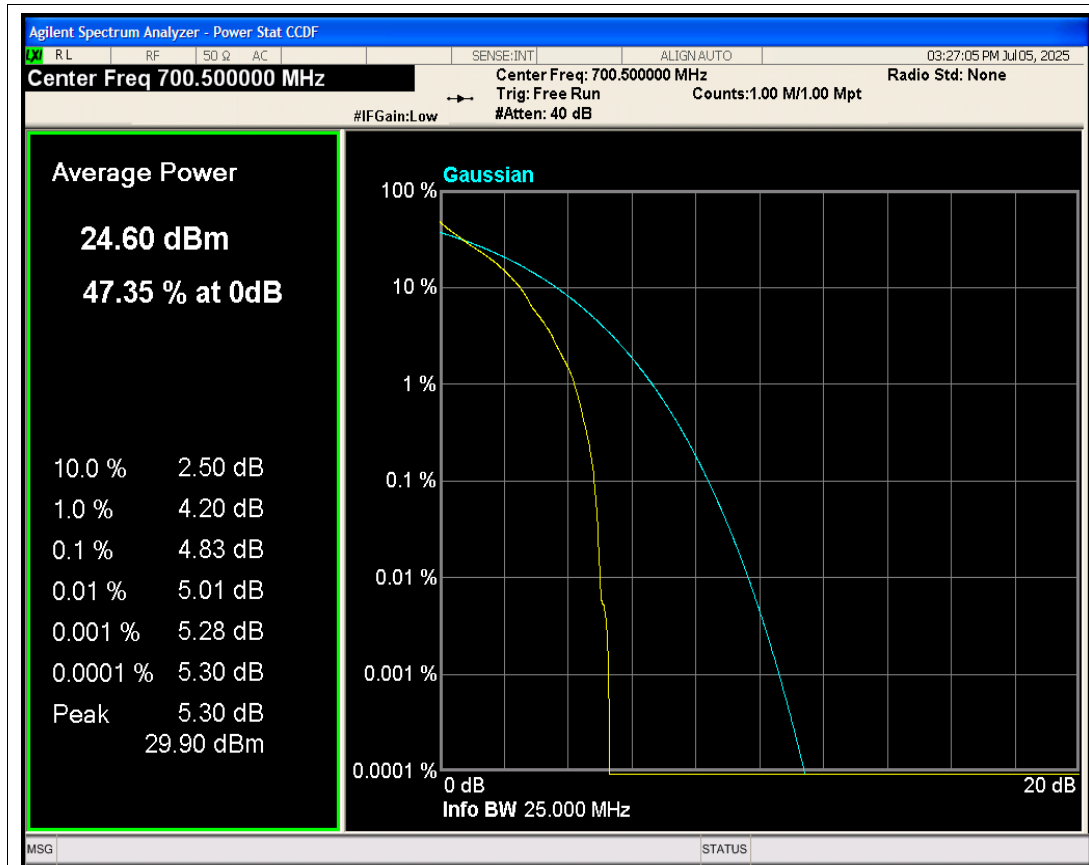




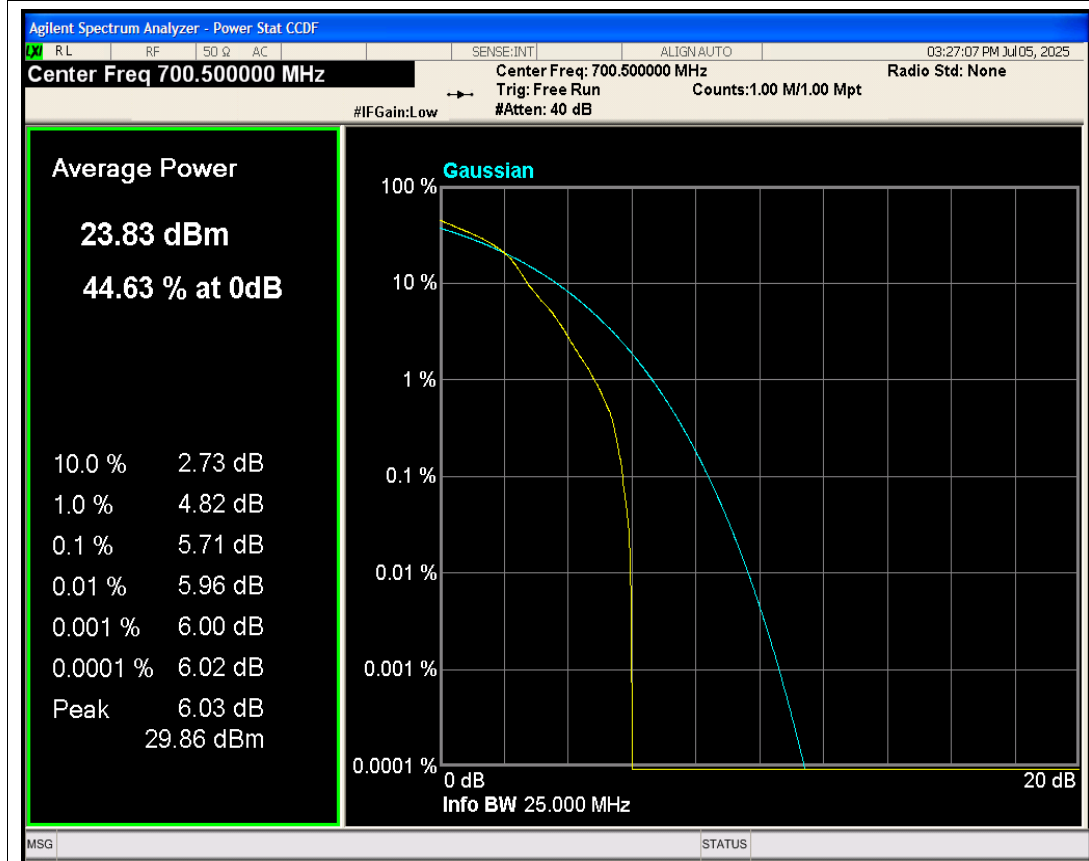
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0 NVNT

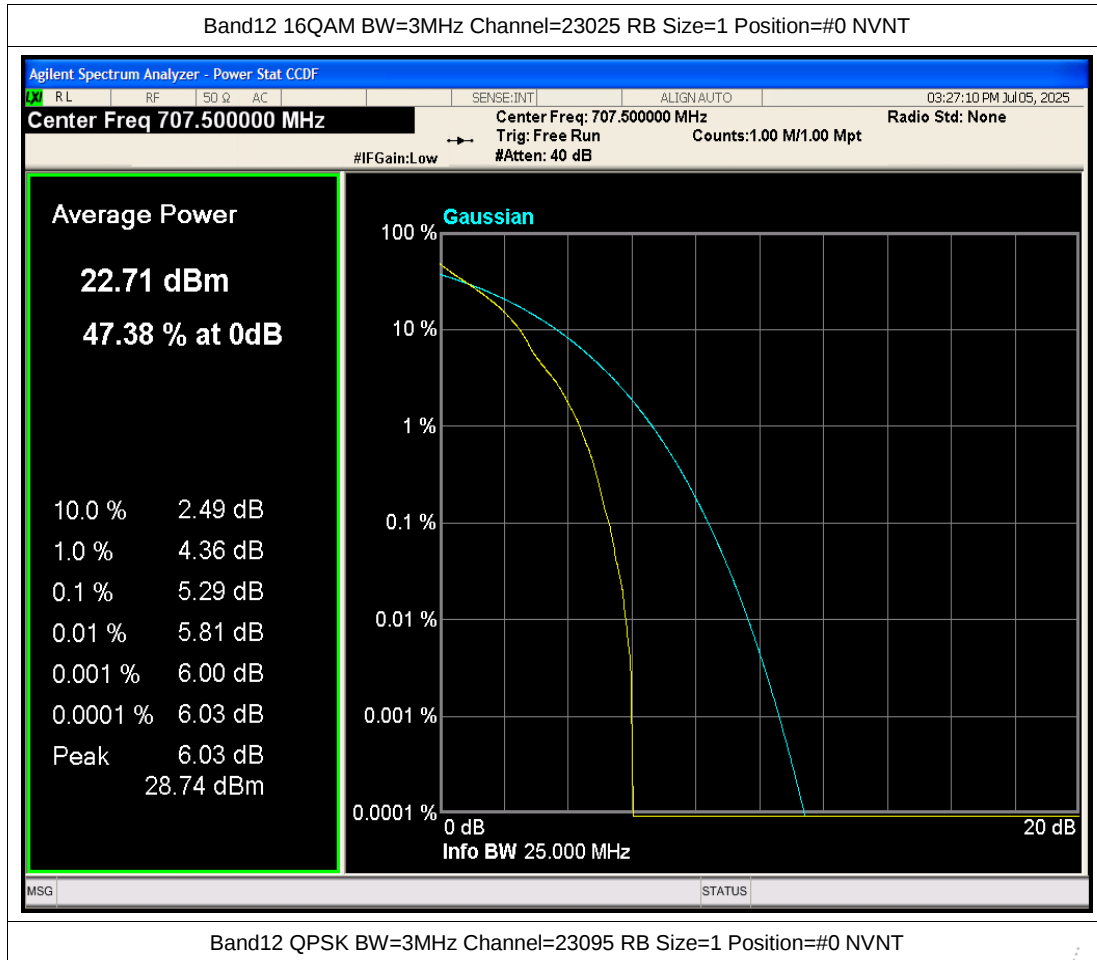


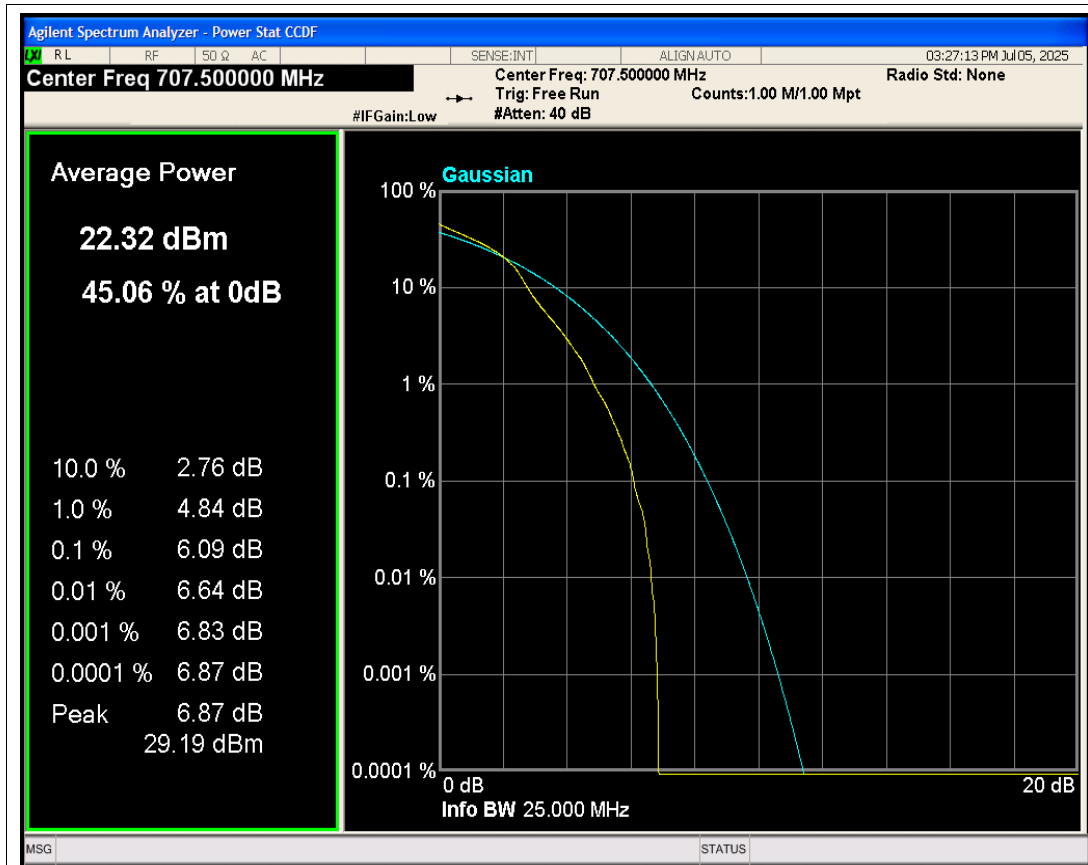




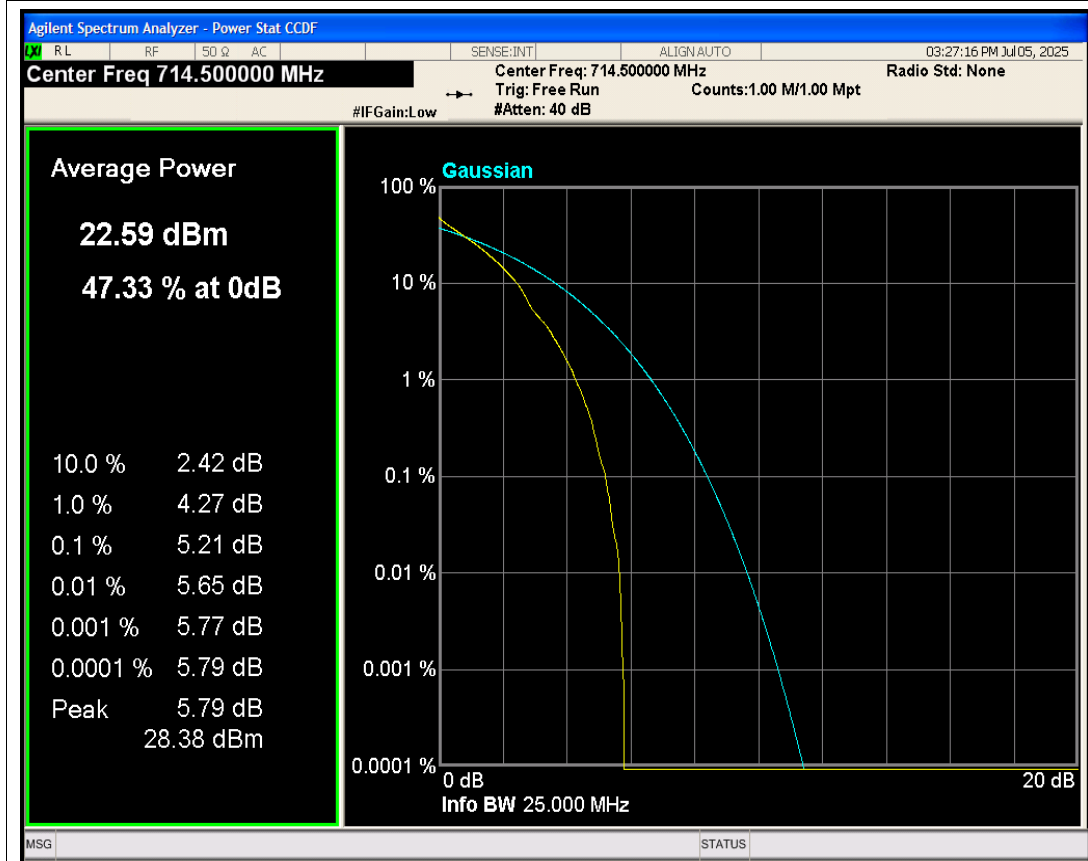
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0 NVNT

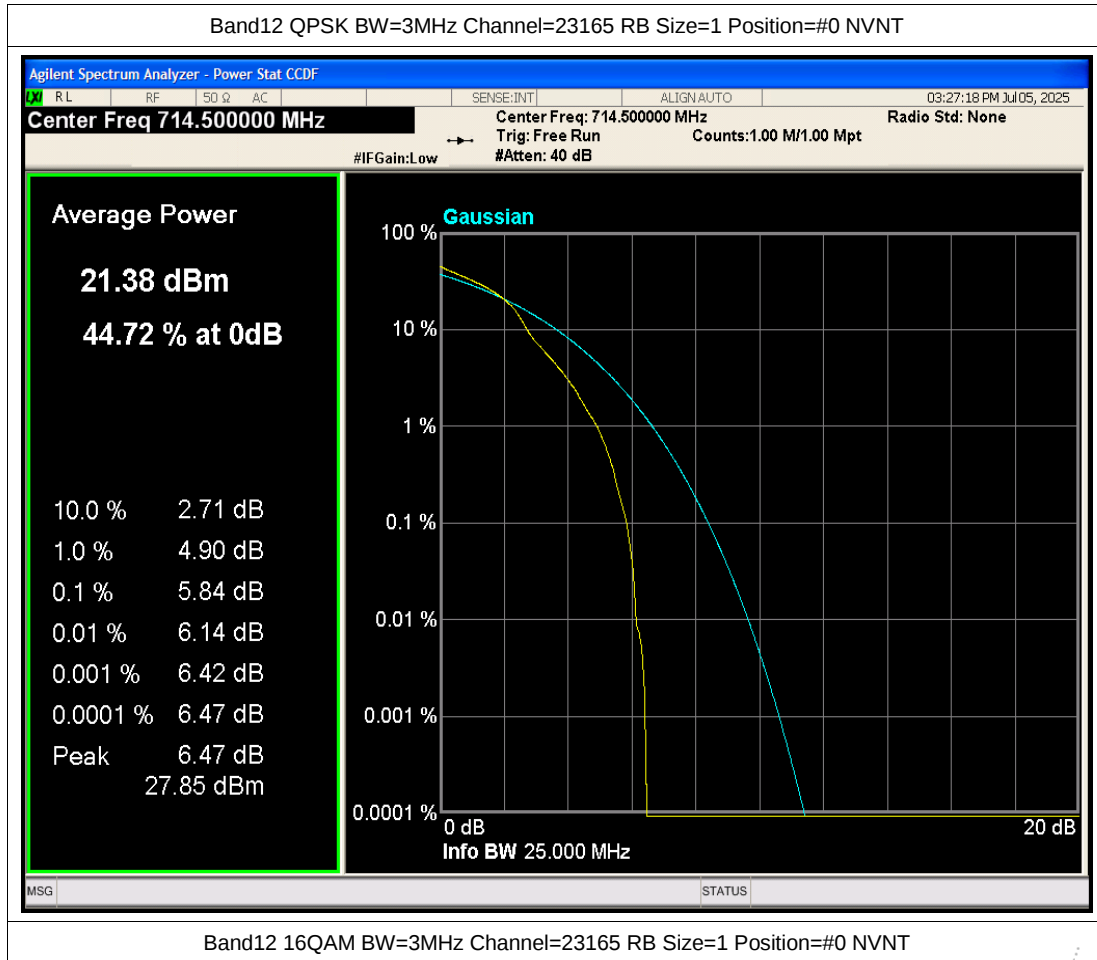


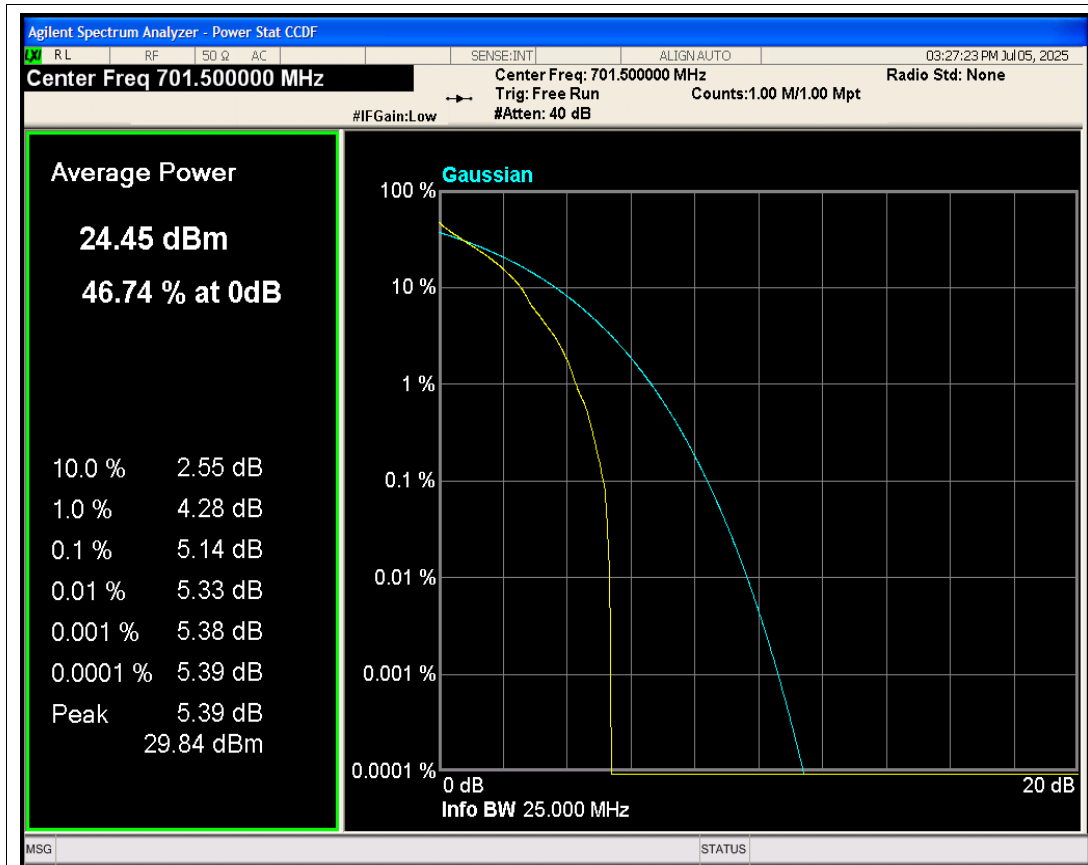




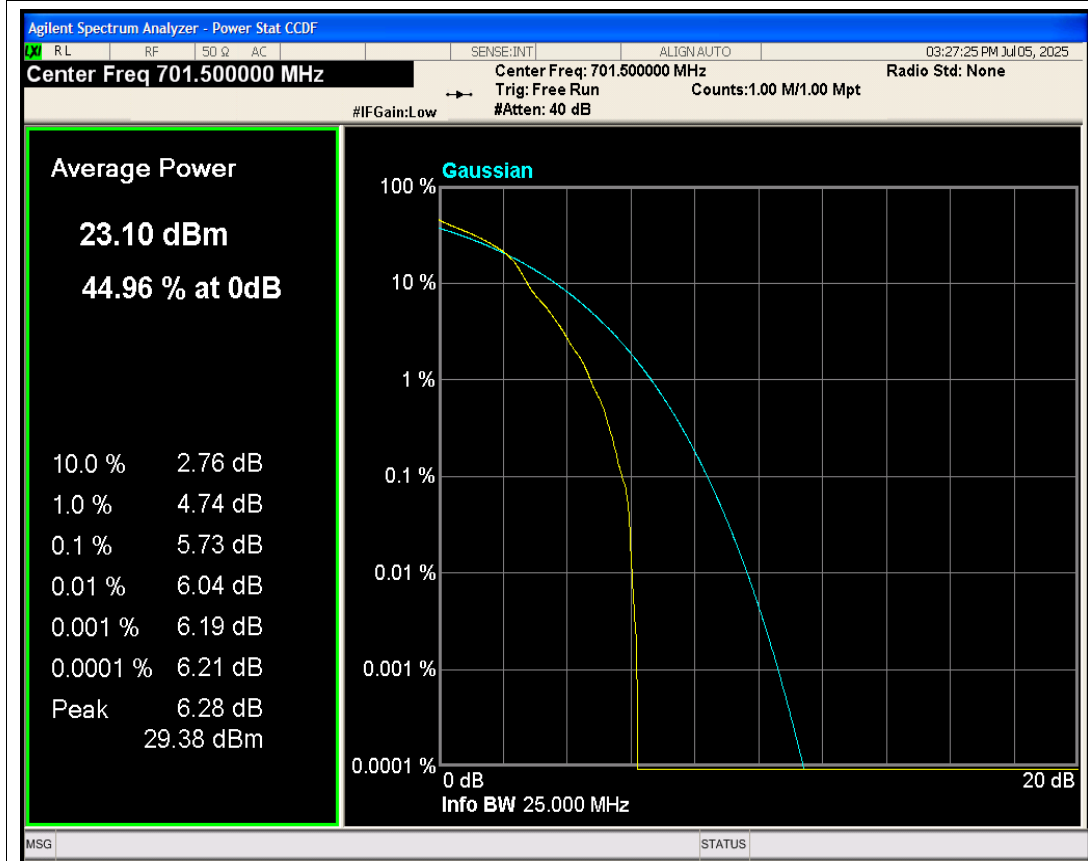
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0 NVNT

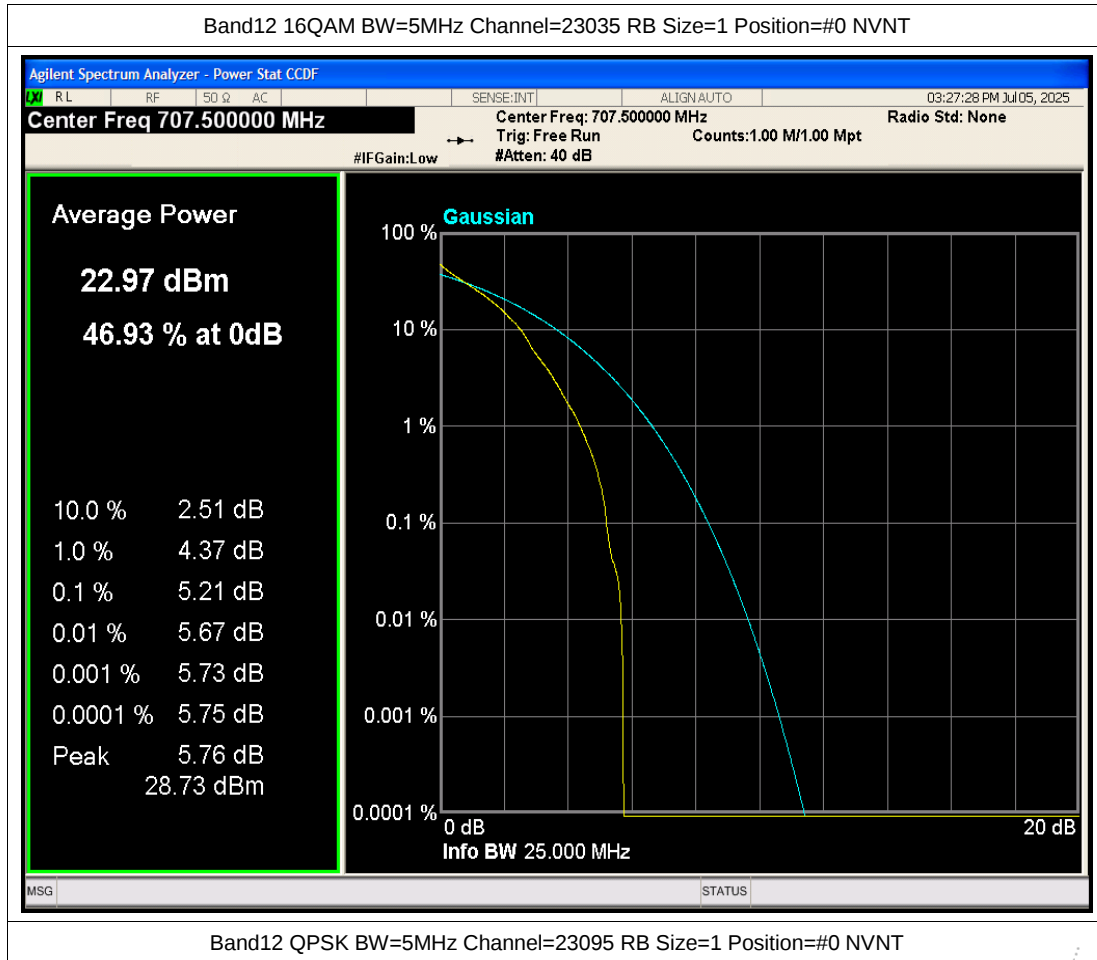


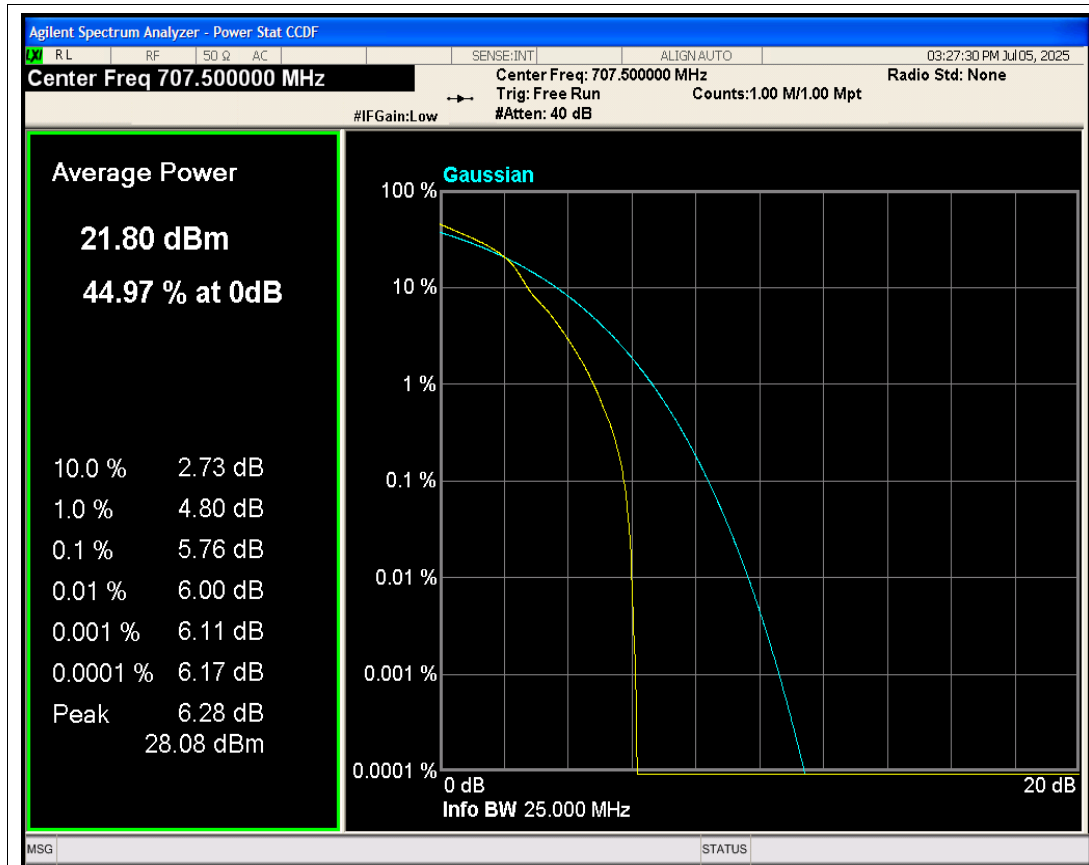




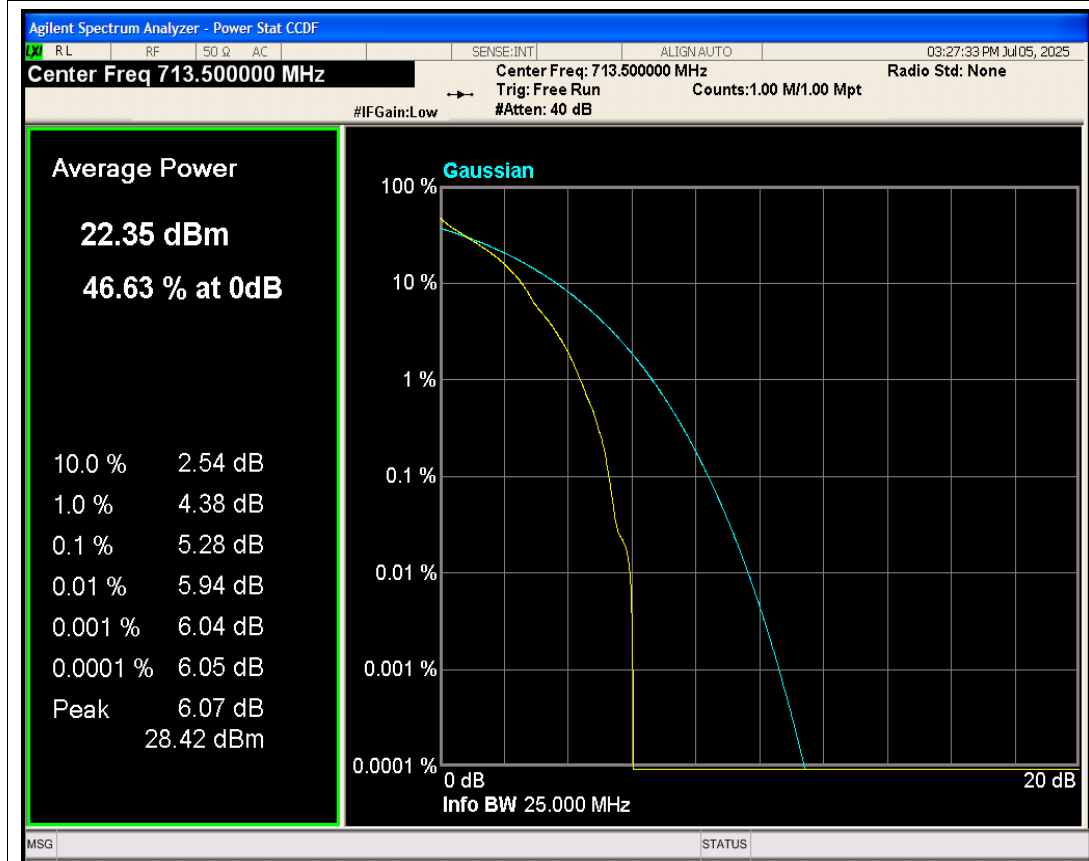
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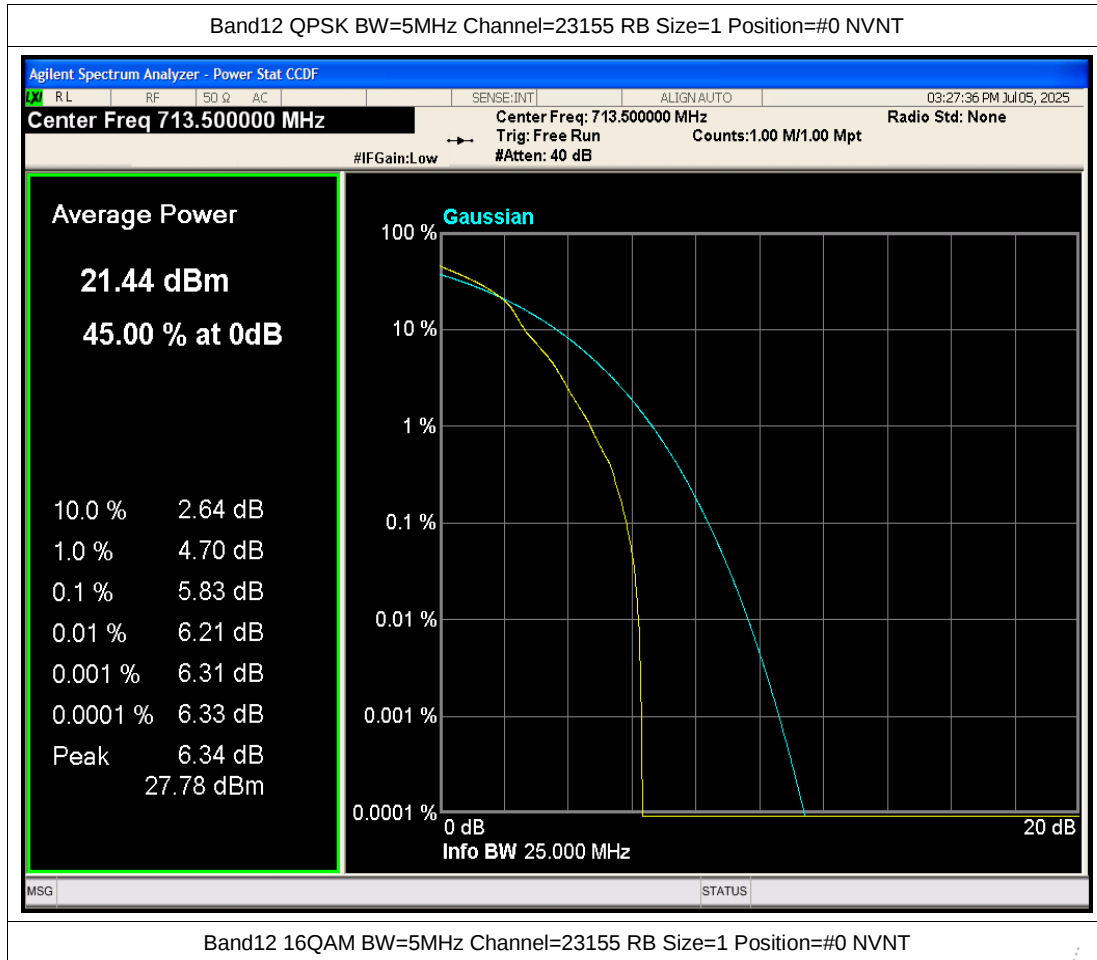


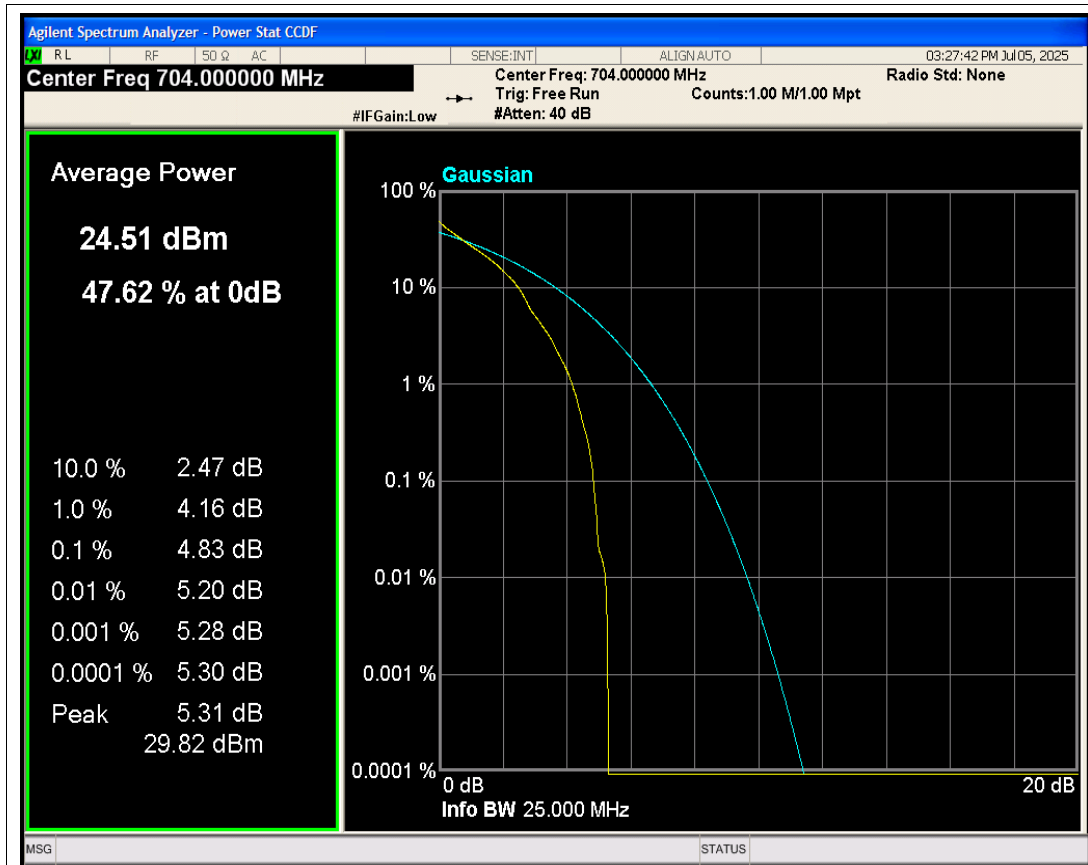




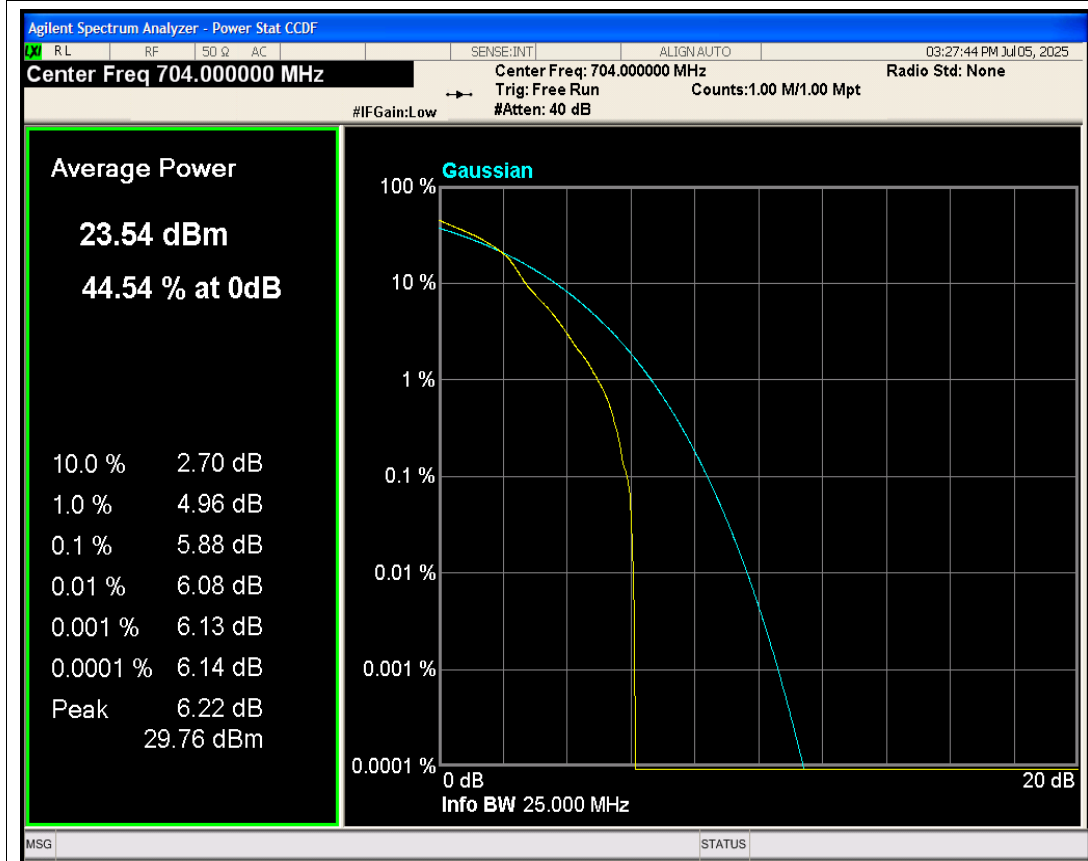
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT

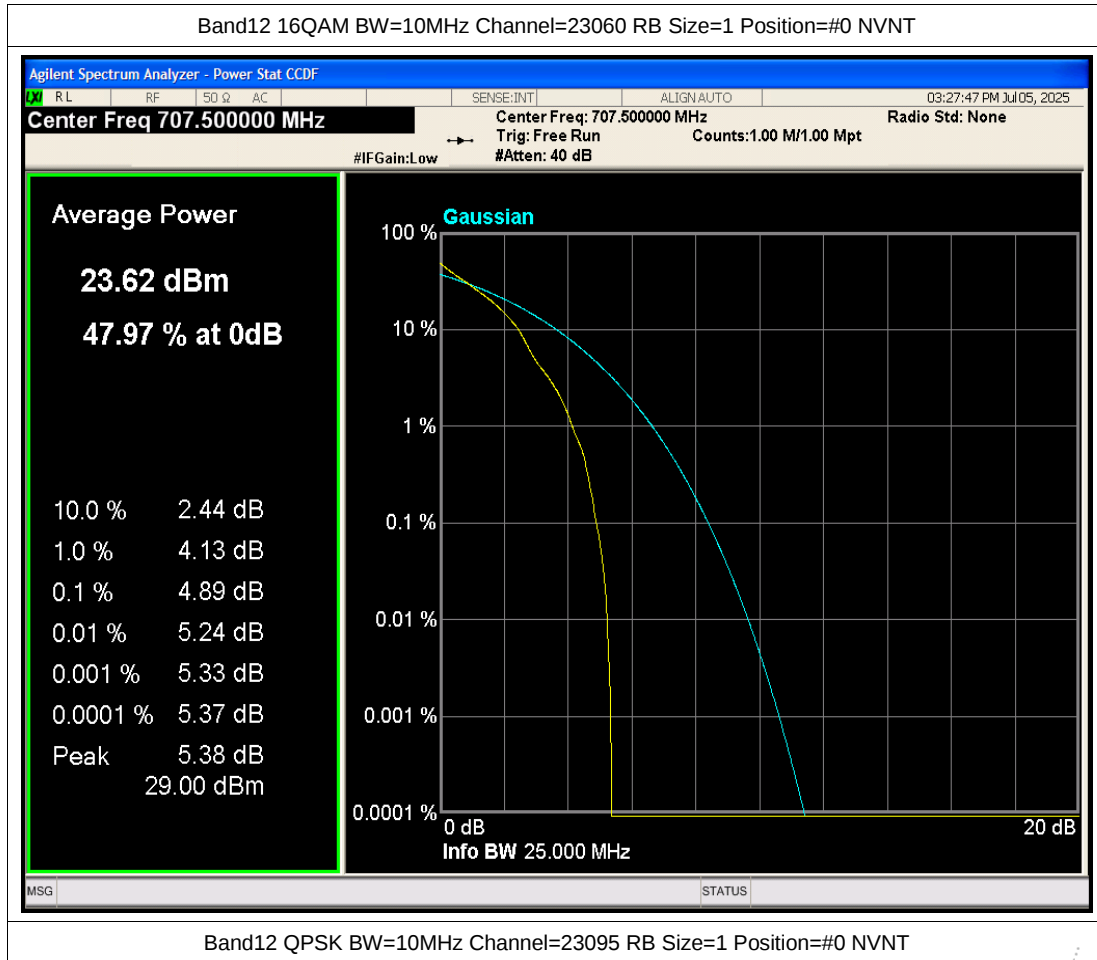


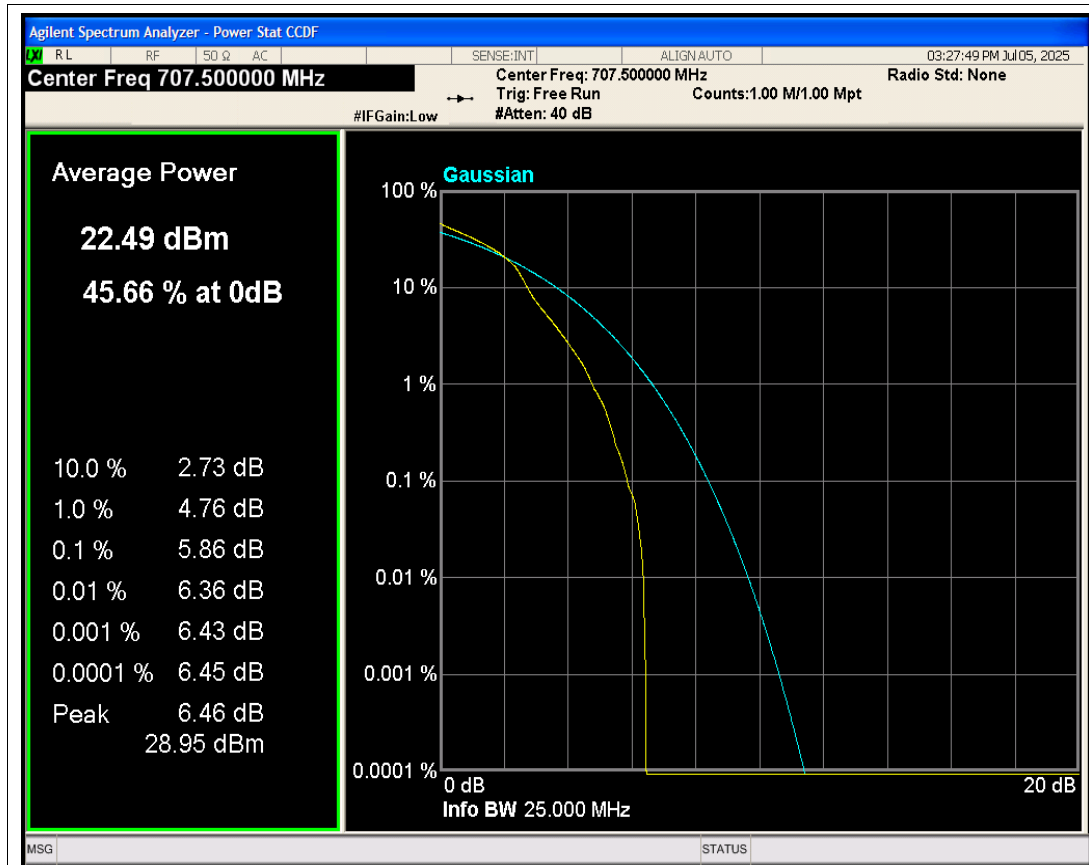




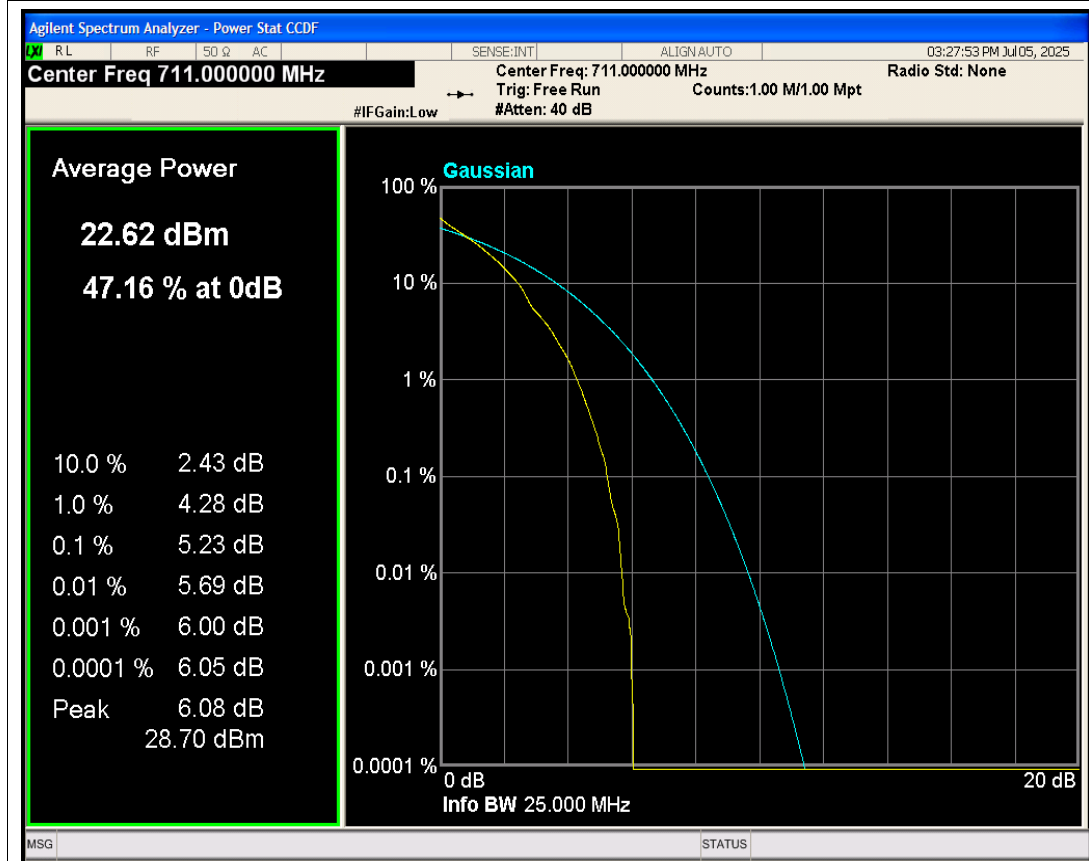
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT

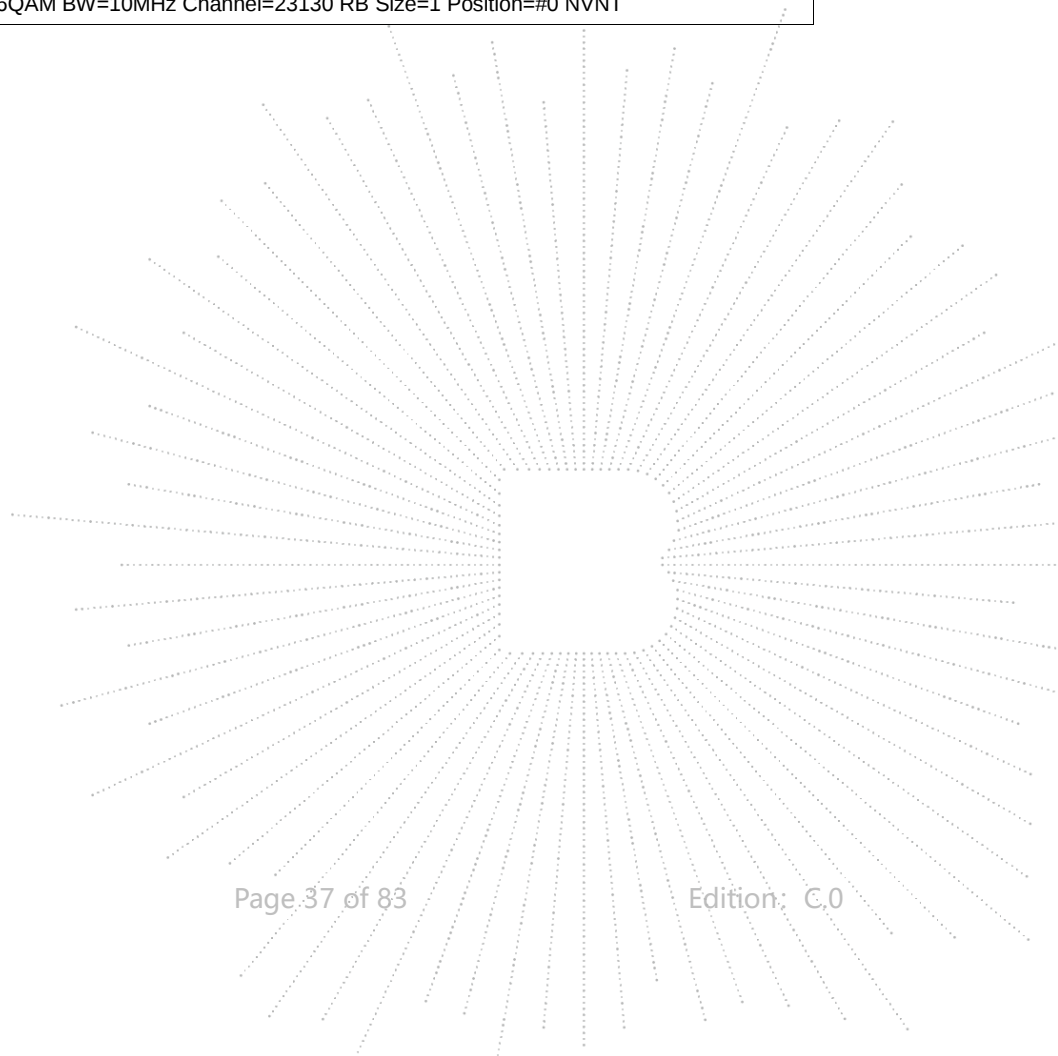
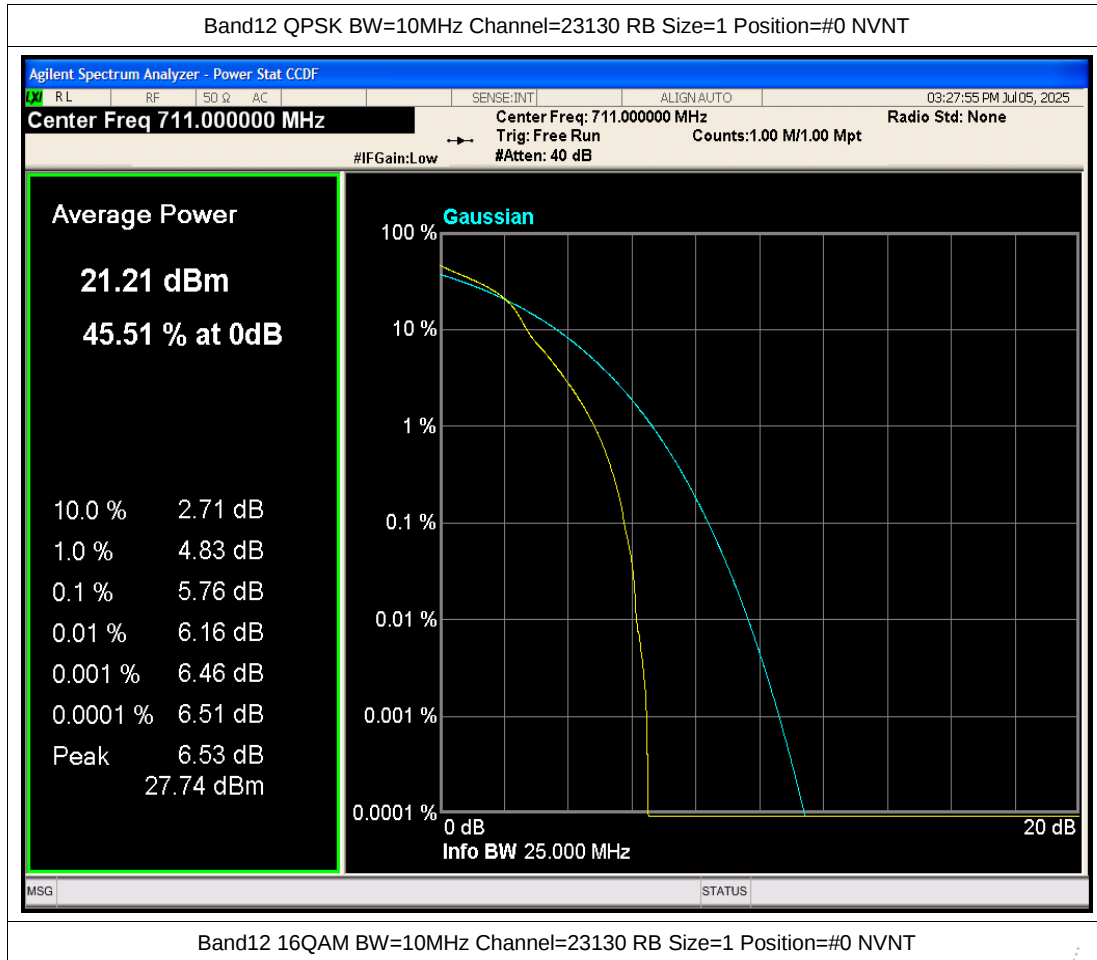






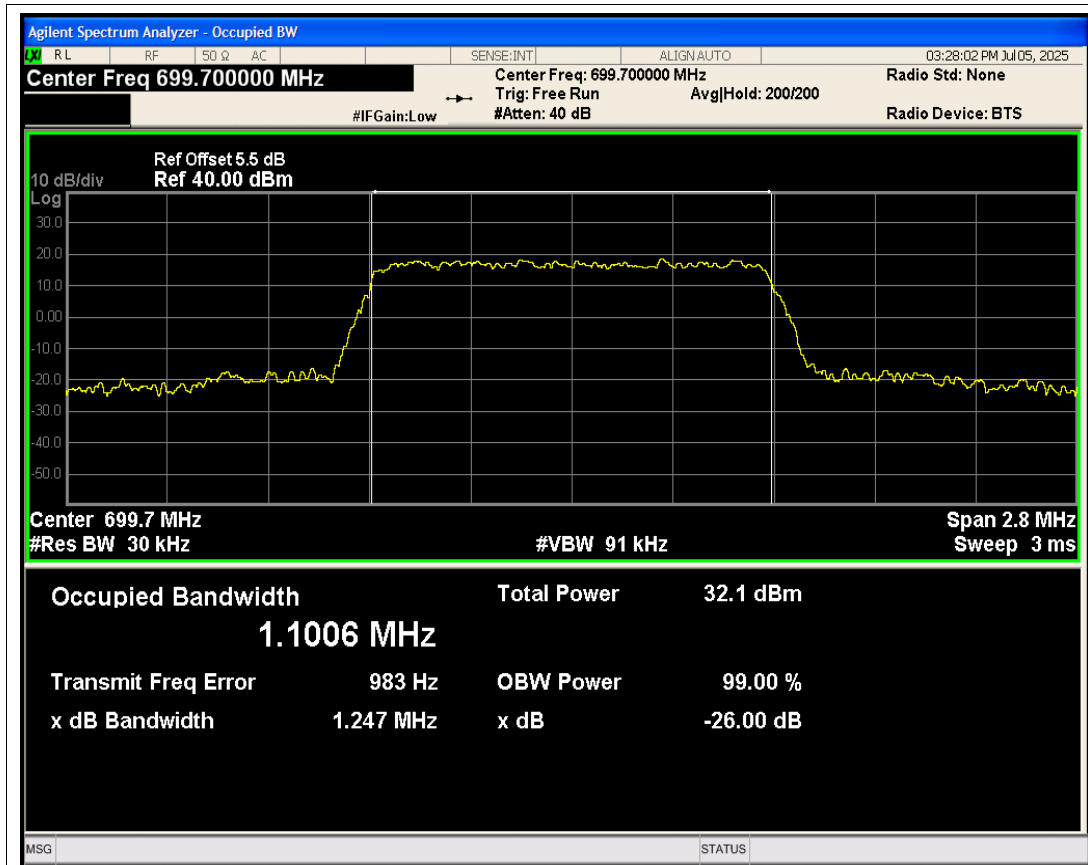
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



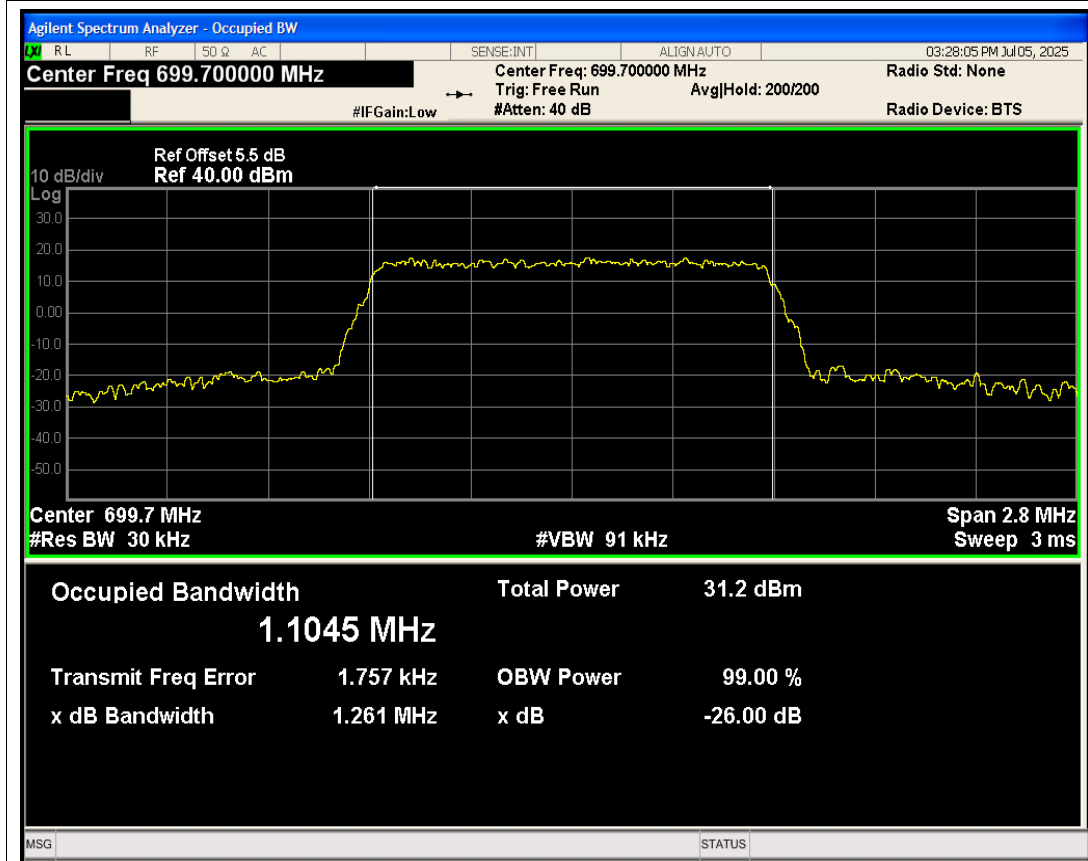


## Appendix 4.Occupied bandwidth

| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | 99%<br>OBW<br>(MHz) | -26dB<br>EBW<br>(MHz) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|---------------------|-----------------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 1.101               | 1.247                 | PASS    |
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | 1.104               | 1.261                 | PASS    |
| NVNT      | Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 1.098               | 1.255                 | PASS    |
| NVNT      | Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | 1.098               | 1.241                 | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 1.093               | 1.247                 | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | 1.104               | 1.241                 | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 2.702               | 3.054                 | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | 2.702               | 3.045                 | PASS    |
| NVNT      | Band12 | 3                  | 23095         | 15         | #0             | QPSK       | 2.712               | 3.061                 | PASS    |
| NVNT      | Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | 2.713               | 3.028                 | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 2.712               | 3.053                 | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | 2.720               | 3.050                 | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 4.528               | 4.973                 | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 25         | #0             | 16QAM      | 4.512               | 4.941                 | PASS    |
| NVNT      | Band12 | 5                  | 23095         | 25         | #0             | QPSK       | 4.516               | 4.951                 | PASS    |
| NVNT      | Band12 | 5                  | 23095         | 25         | #0             | 16QAM      | 4.520               | 4.971                 | PASS    |
| NVNT      | Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 4.502               | 4.947                 | PASS    |
| NVNT      | Band12 | 5                  | 23155         | 25         | #0             | 16QAM      | 4.542               | 4.933                 | PASS    |
| NVNT      | Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 8.987               | 9.797                 | PASS    |
| NVNT      | Band12 | 10                 | 23060         | 50         | #0             | 16QAM      | 9.010               | 9.849                 | PASS    |
| NVNT      | Band12 | 10                 | 23095         | 50         | #0             | QPSK       | 8.982               | 9.843                 | PASS    |
| NVNT      | Band12 | 10                 | 23095         | 50         | #0             | 16QAM      | 8.994               | 9.848                 | PASS    |
| NVNT      | Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 8.997               | 9.849                 | PASS    |
| NVNT      | Band12 | 10                 | 23130         | 50         | #0             | 16QAM      | 8.977               | 9.801                 | PASS    |

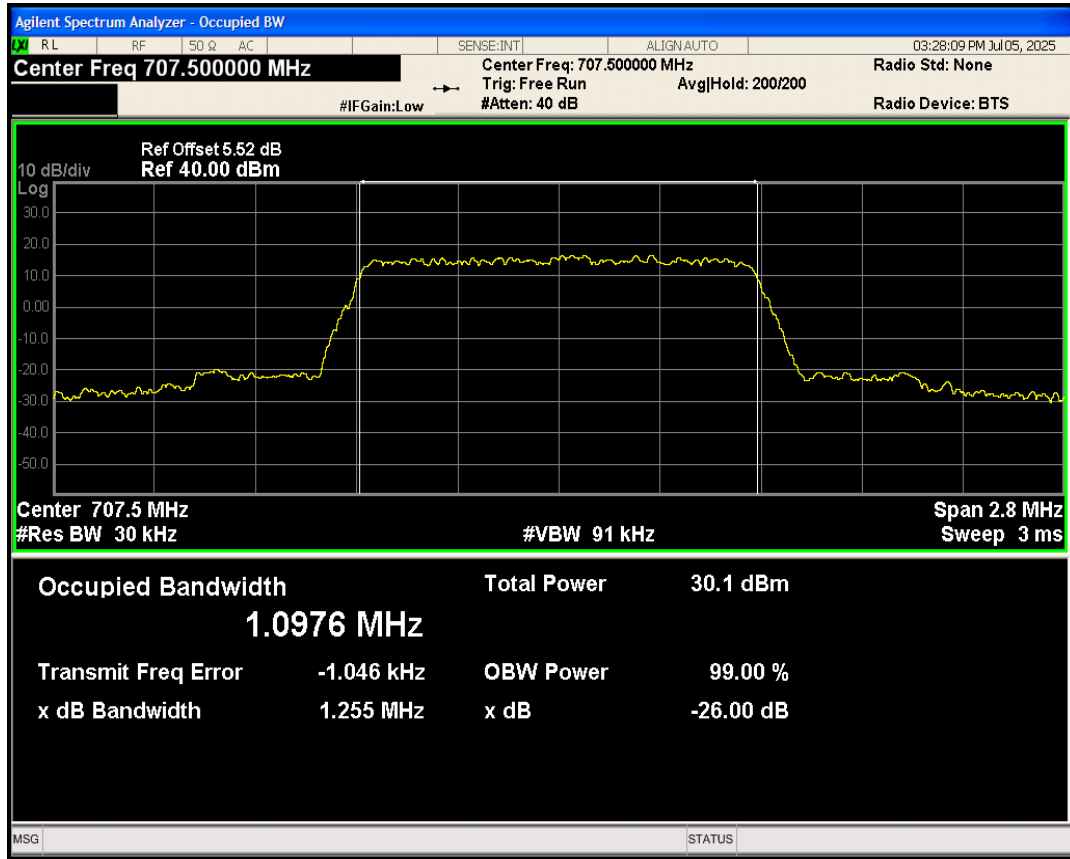


Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

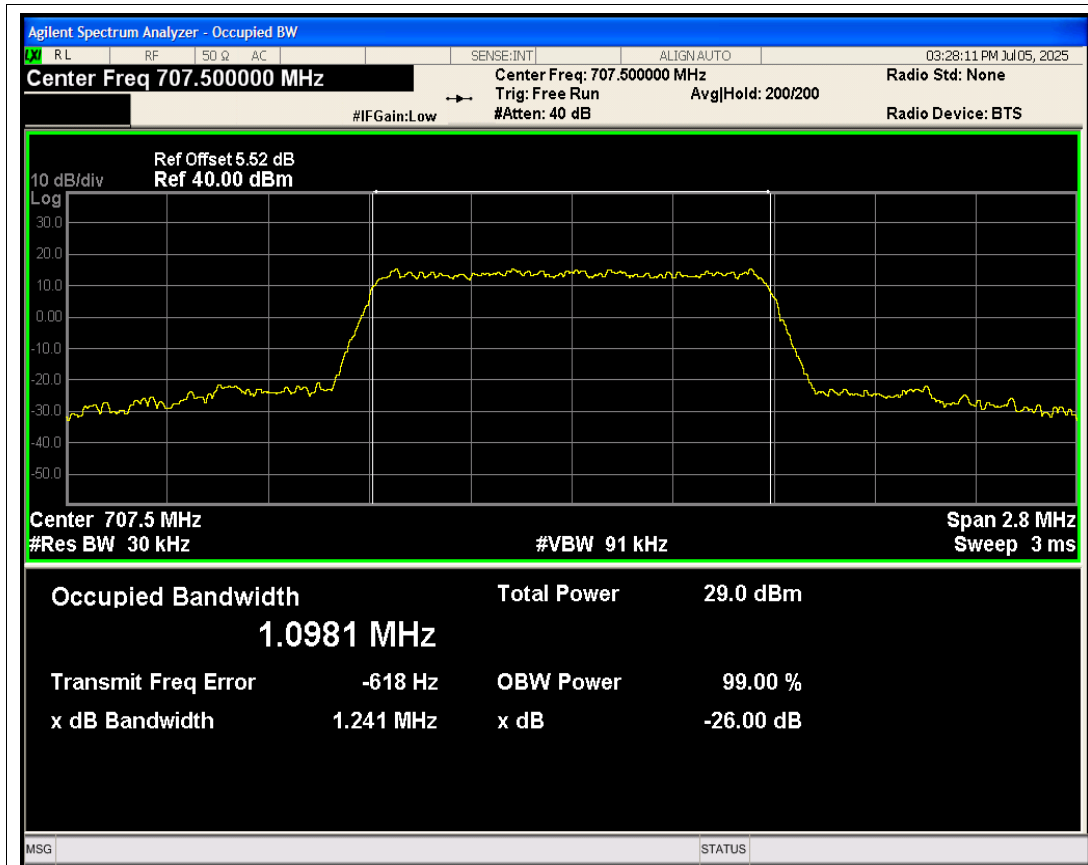




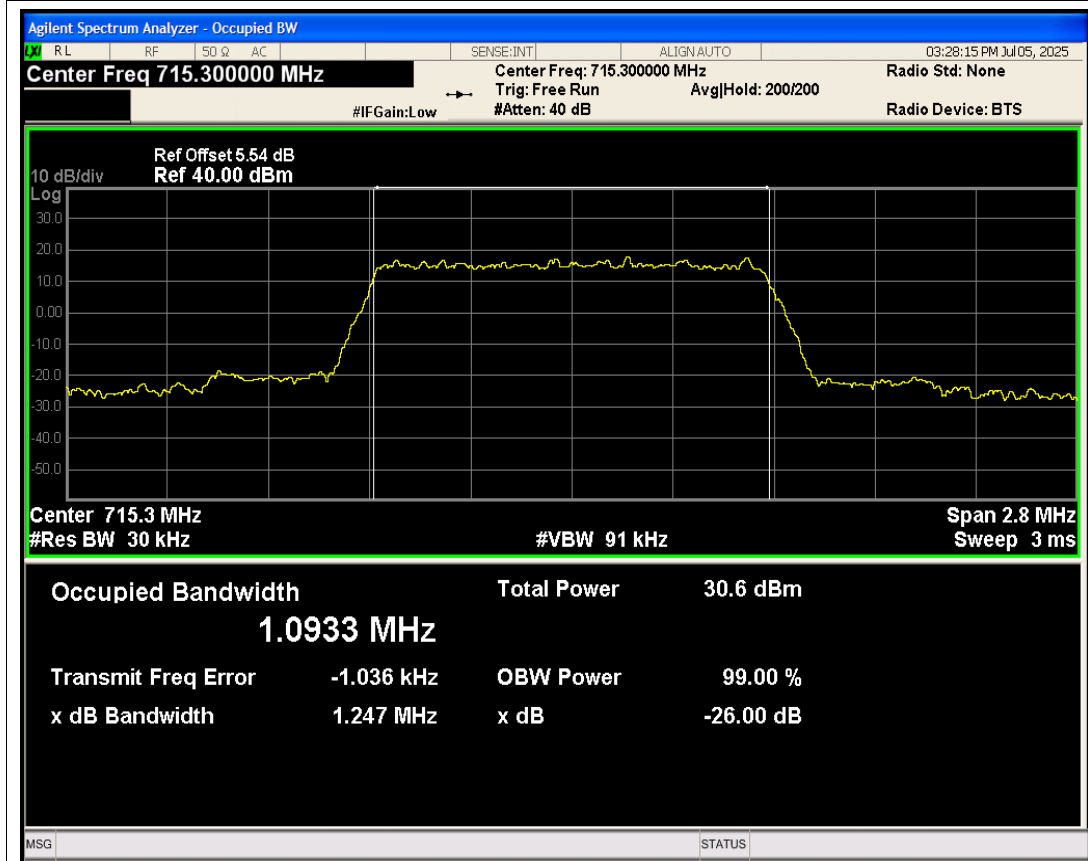
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

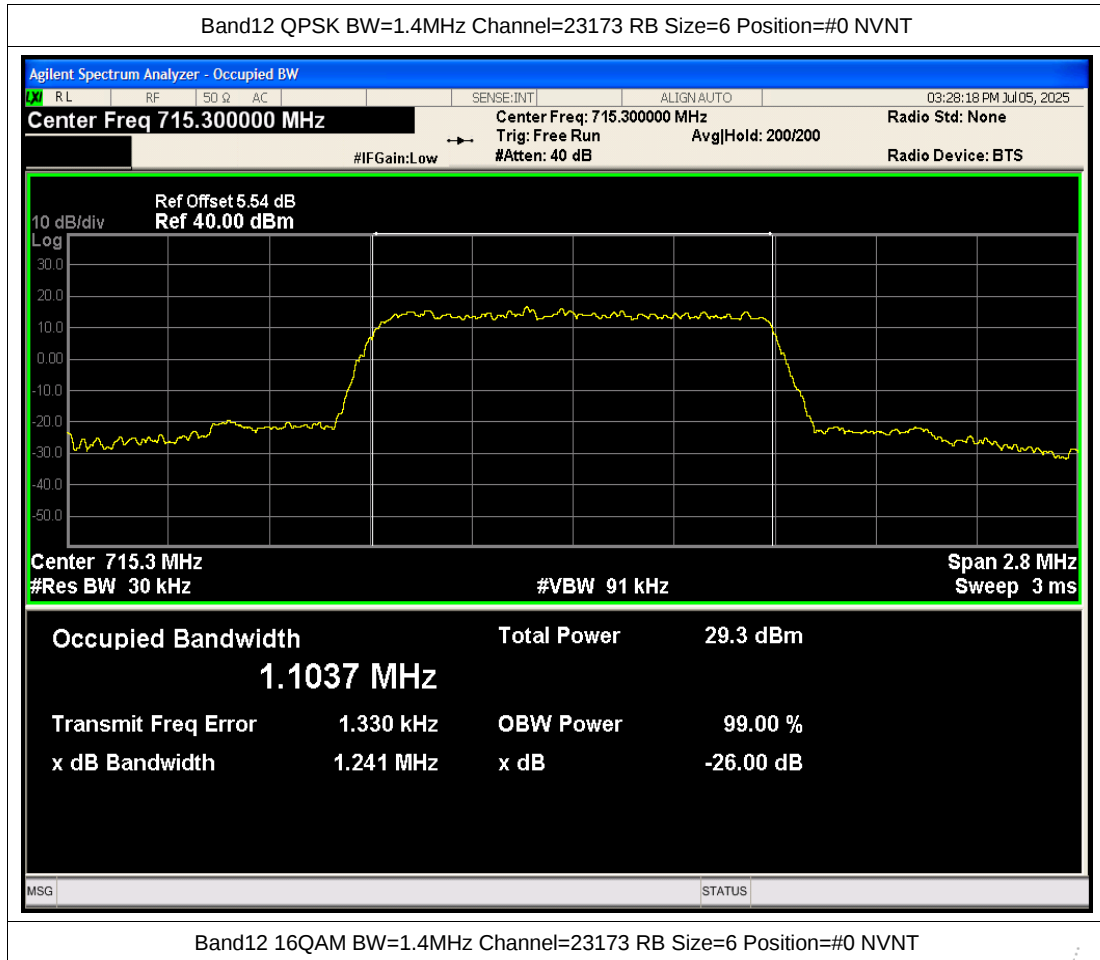


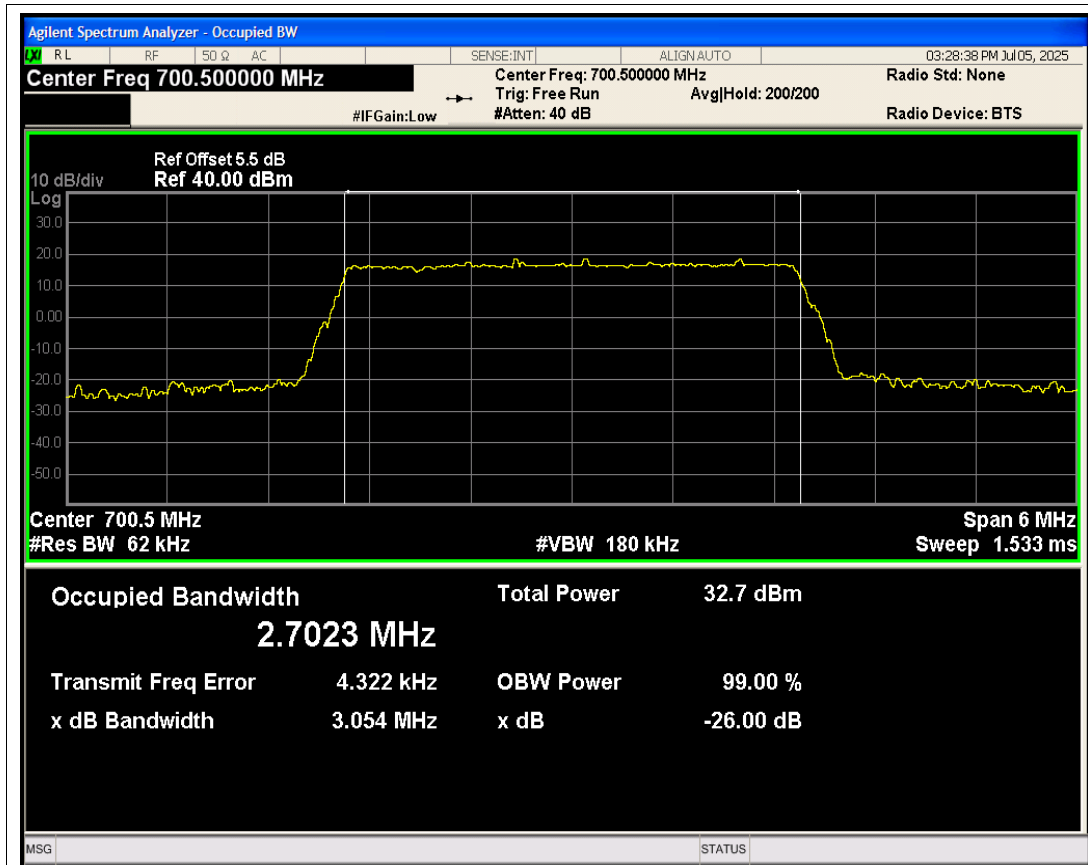
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT



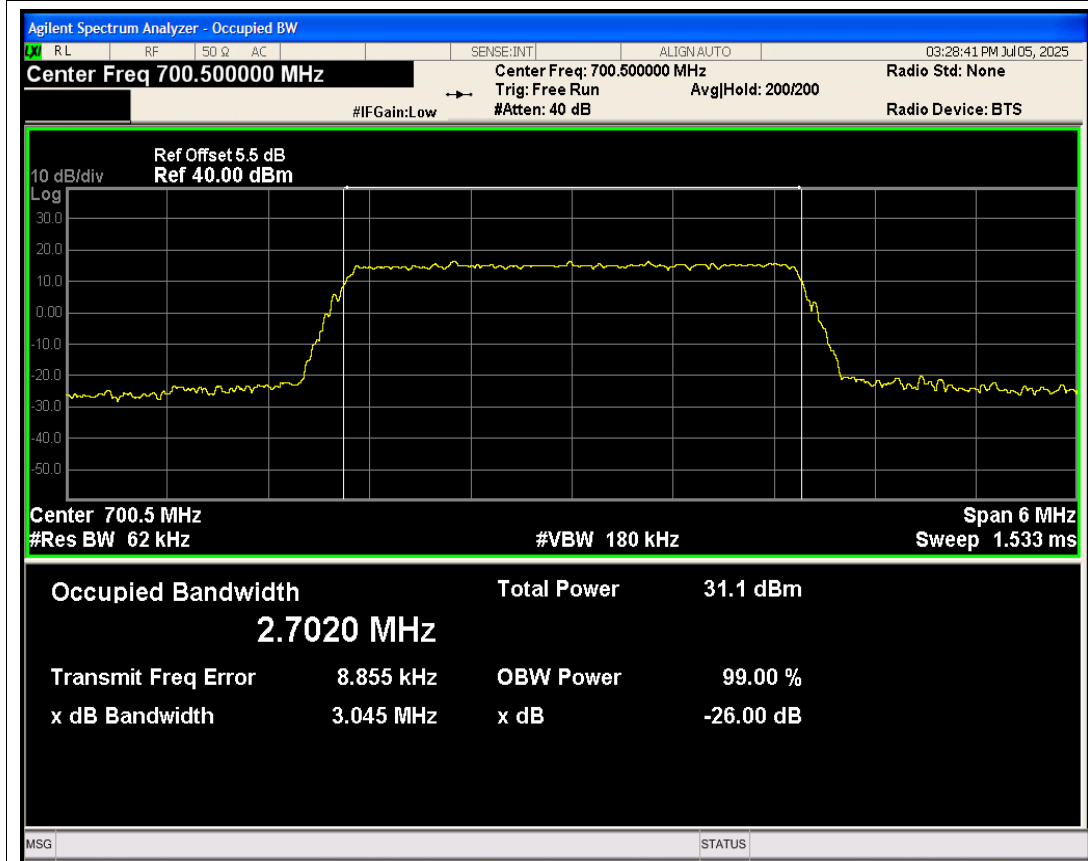
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT





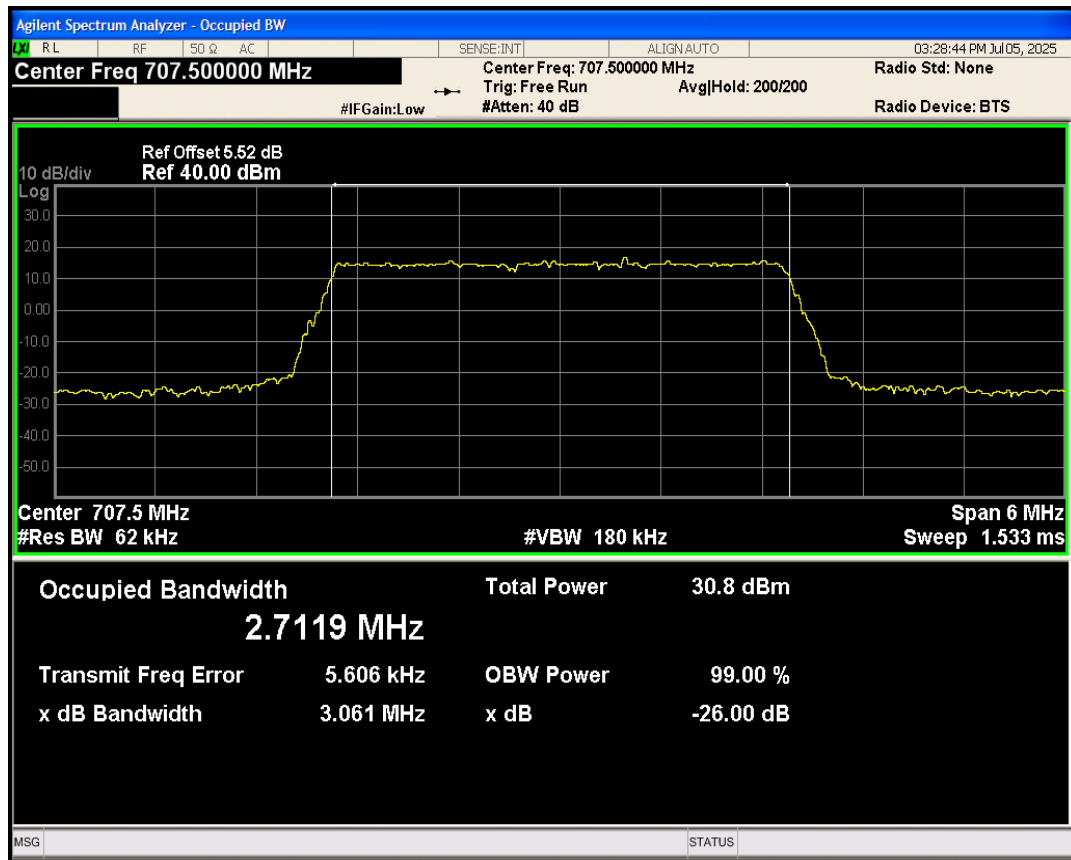


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

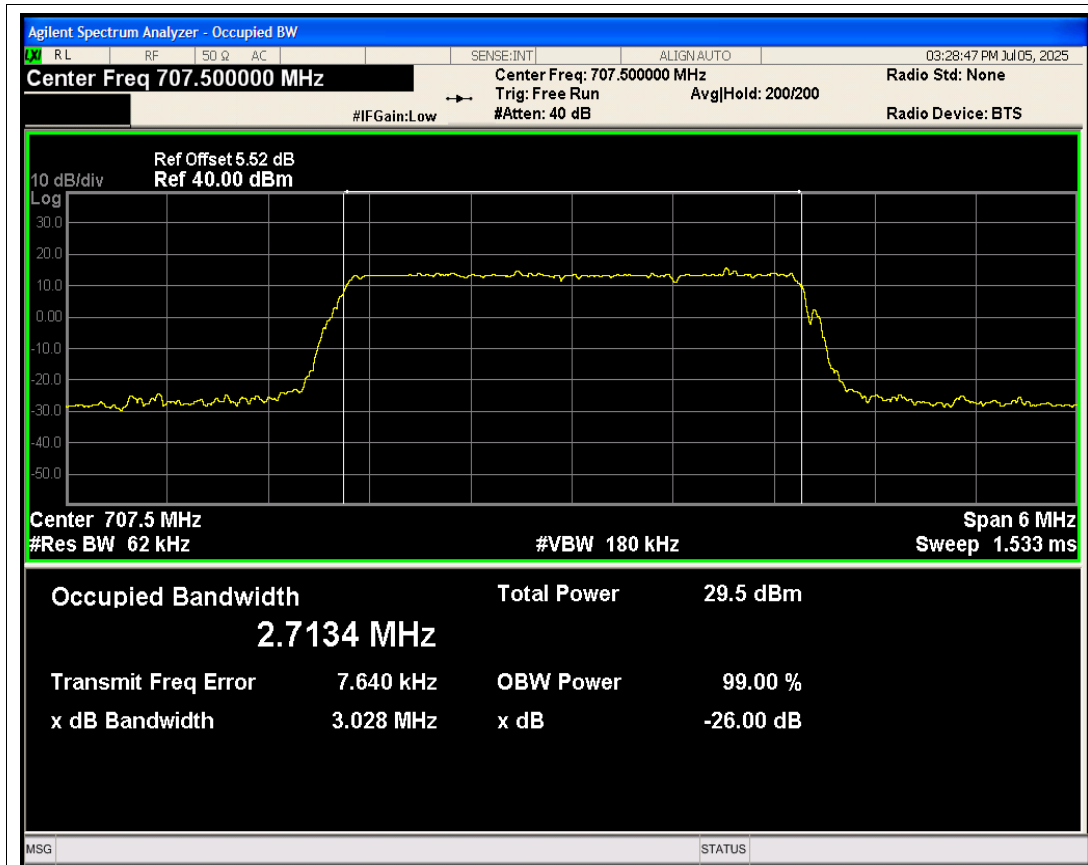




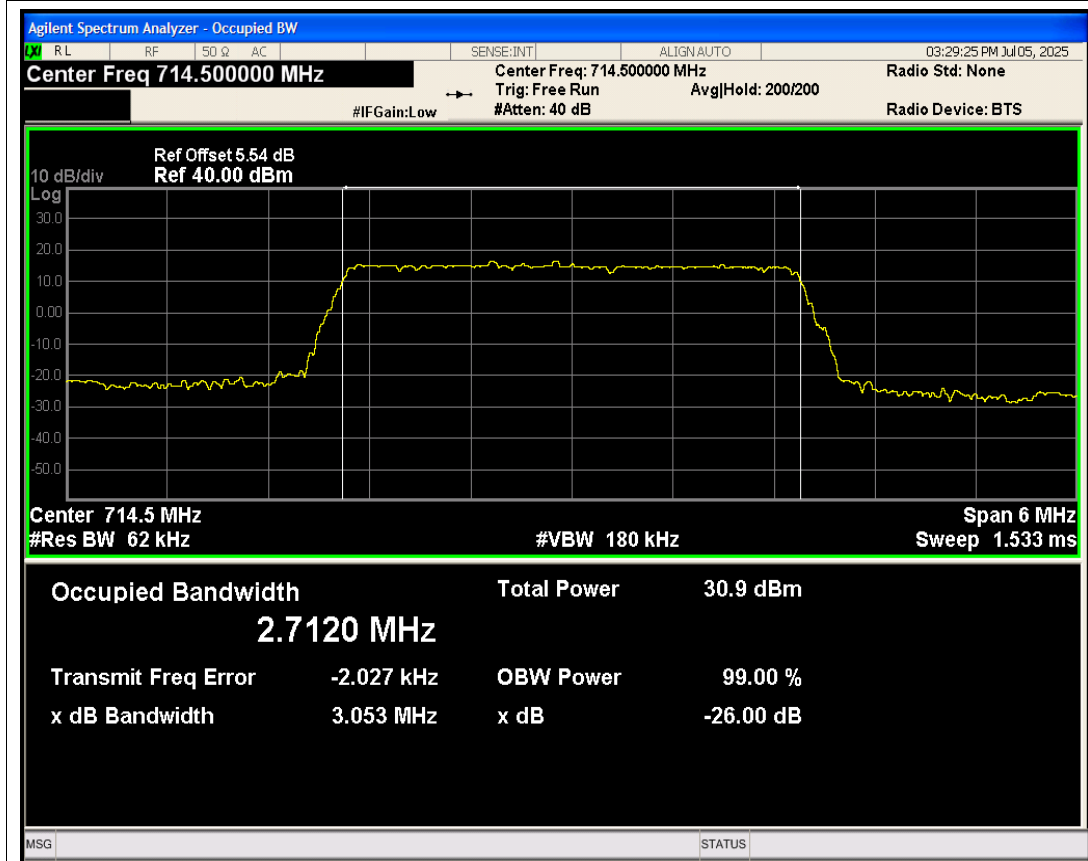
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

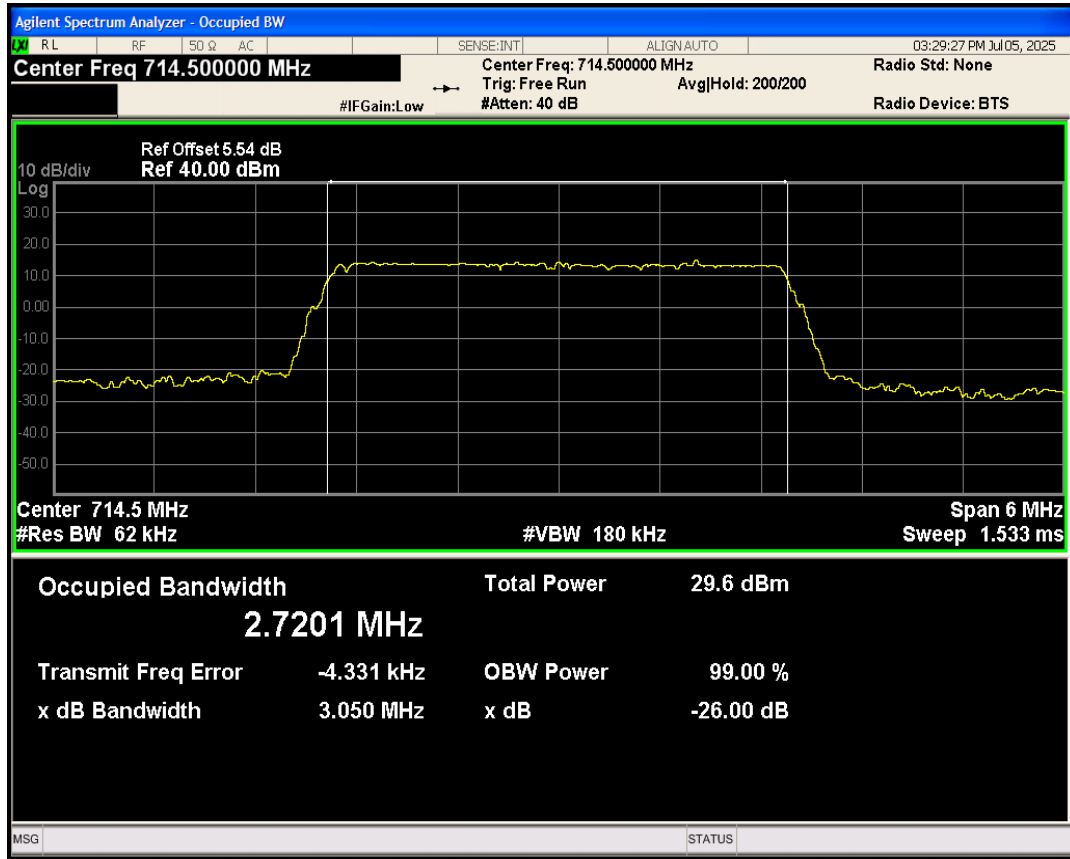


Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

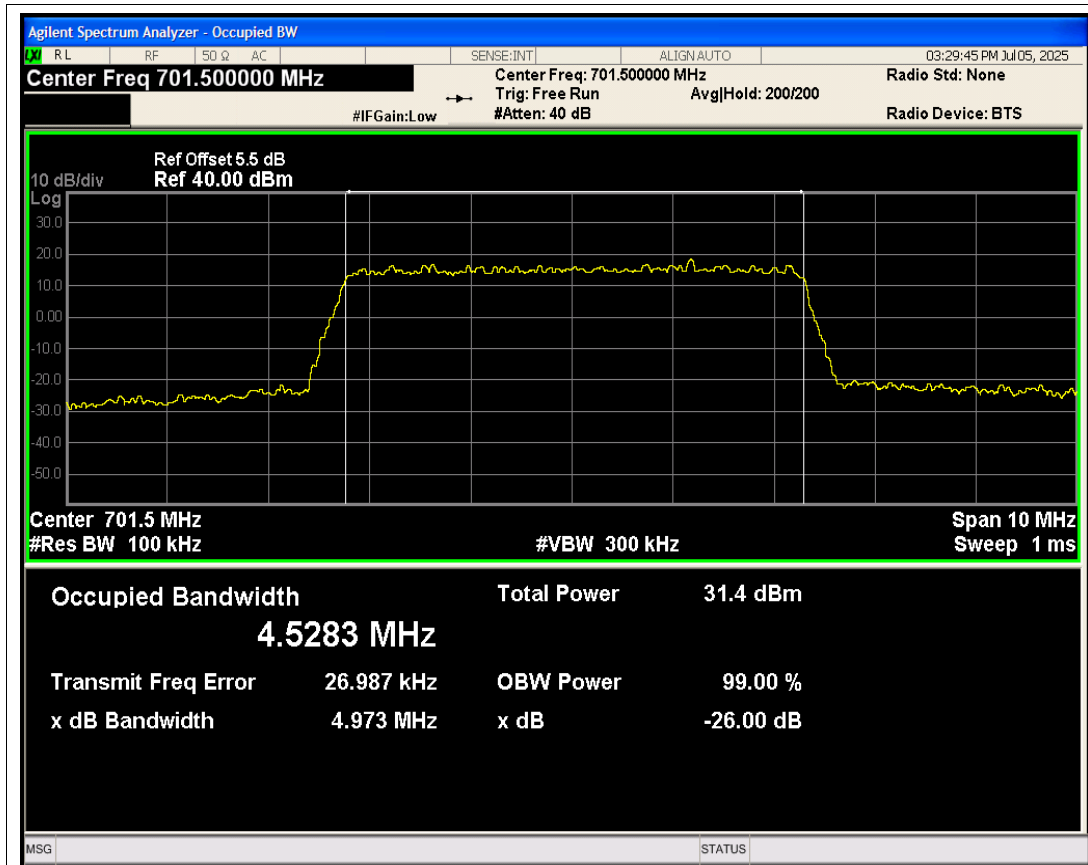




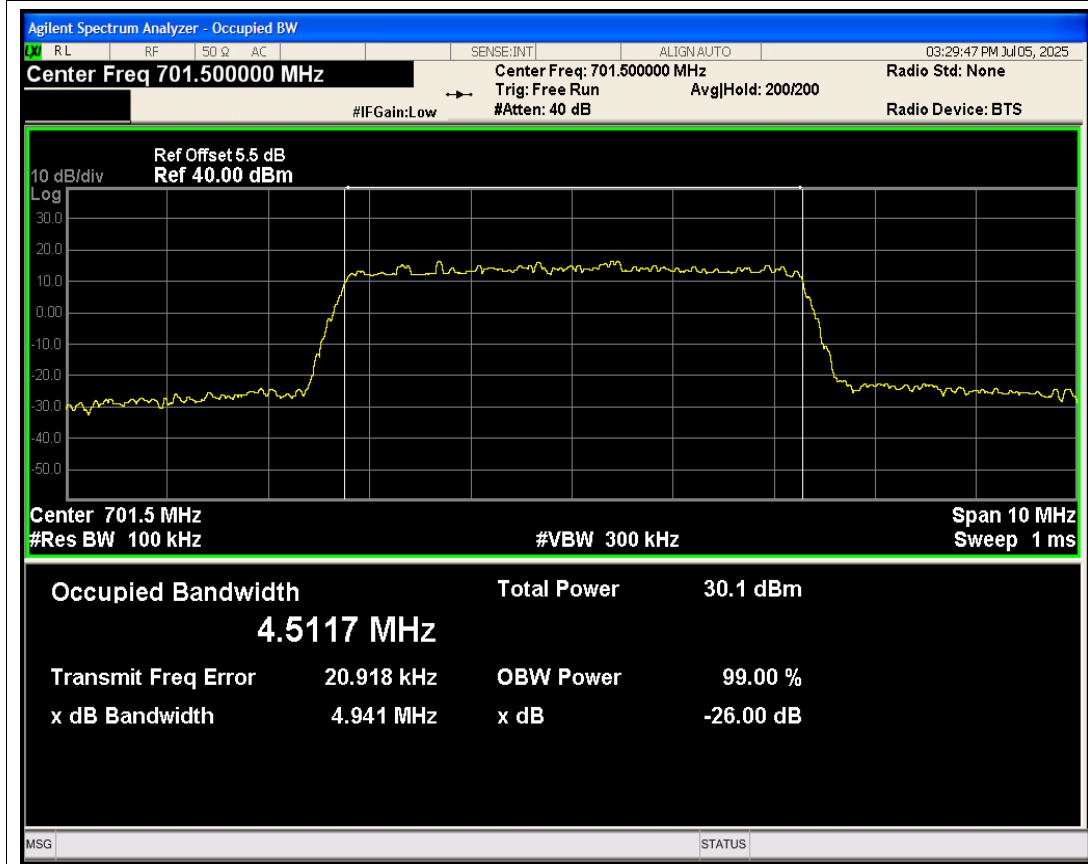
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

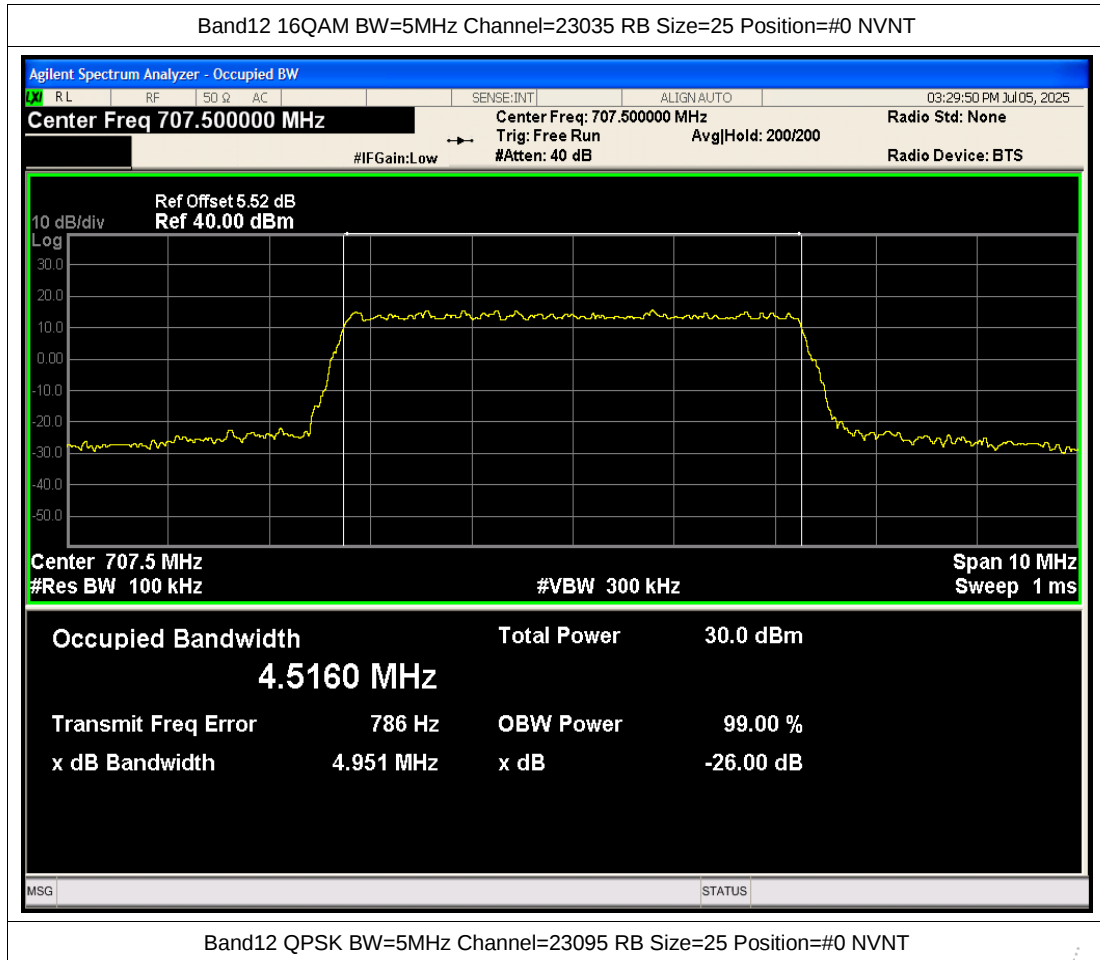


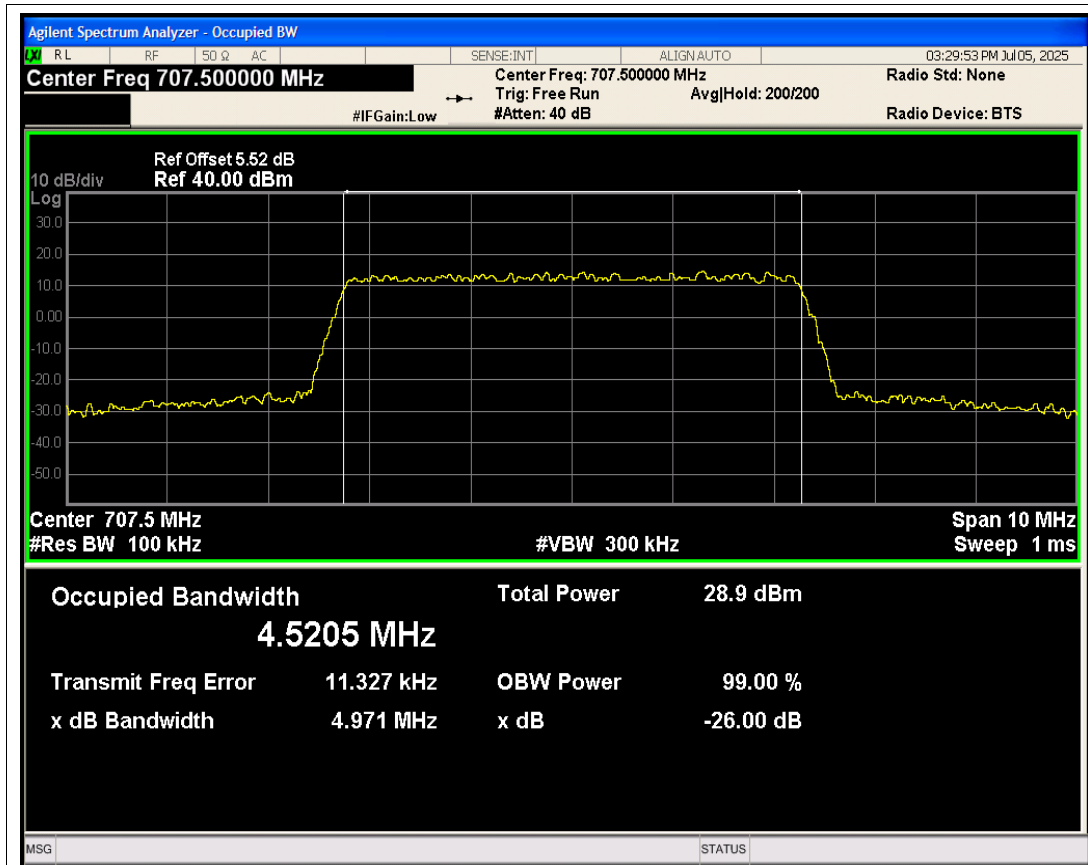
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



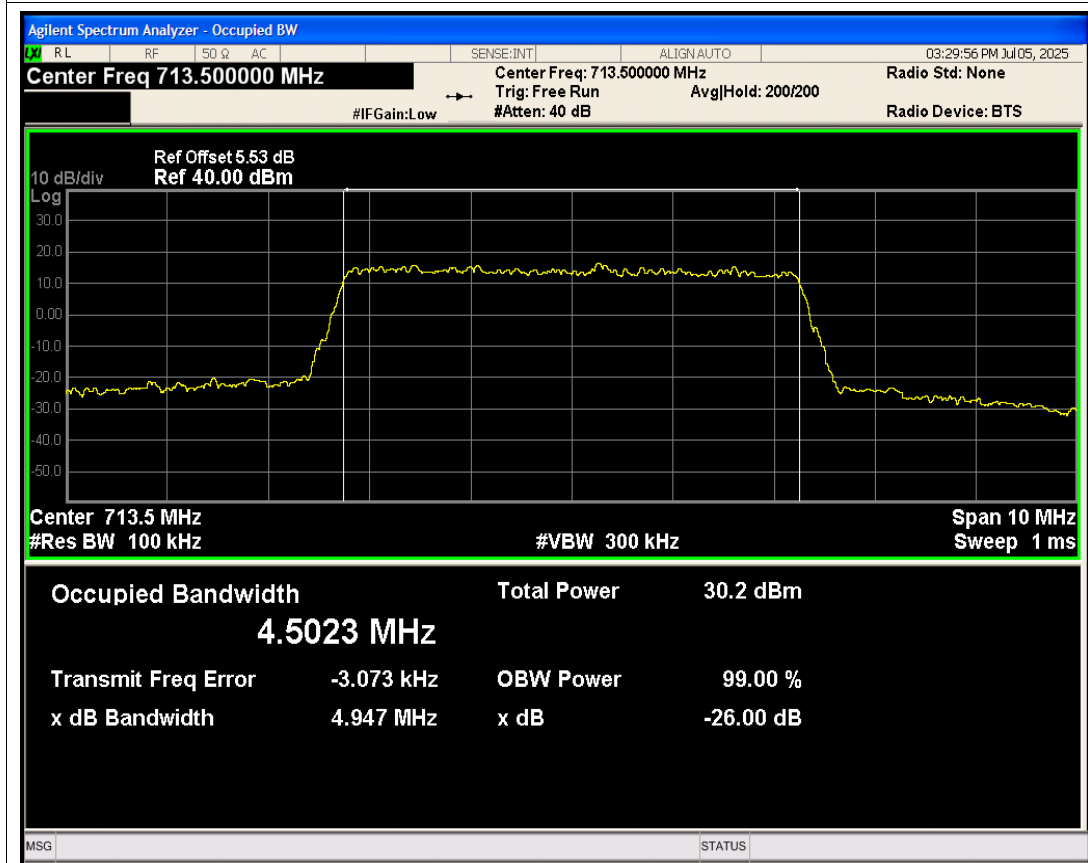
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

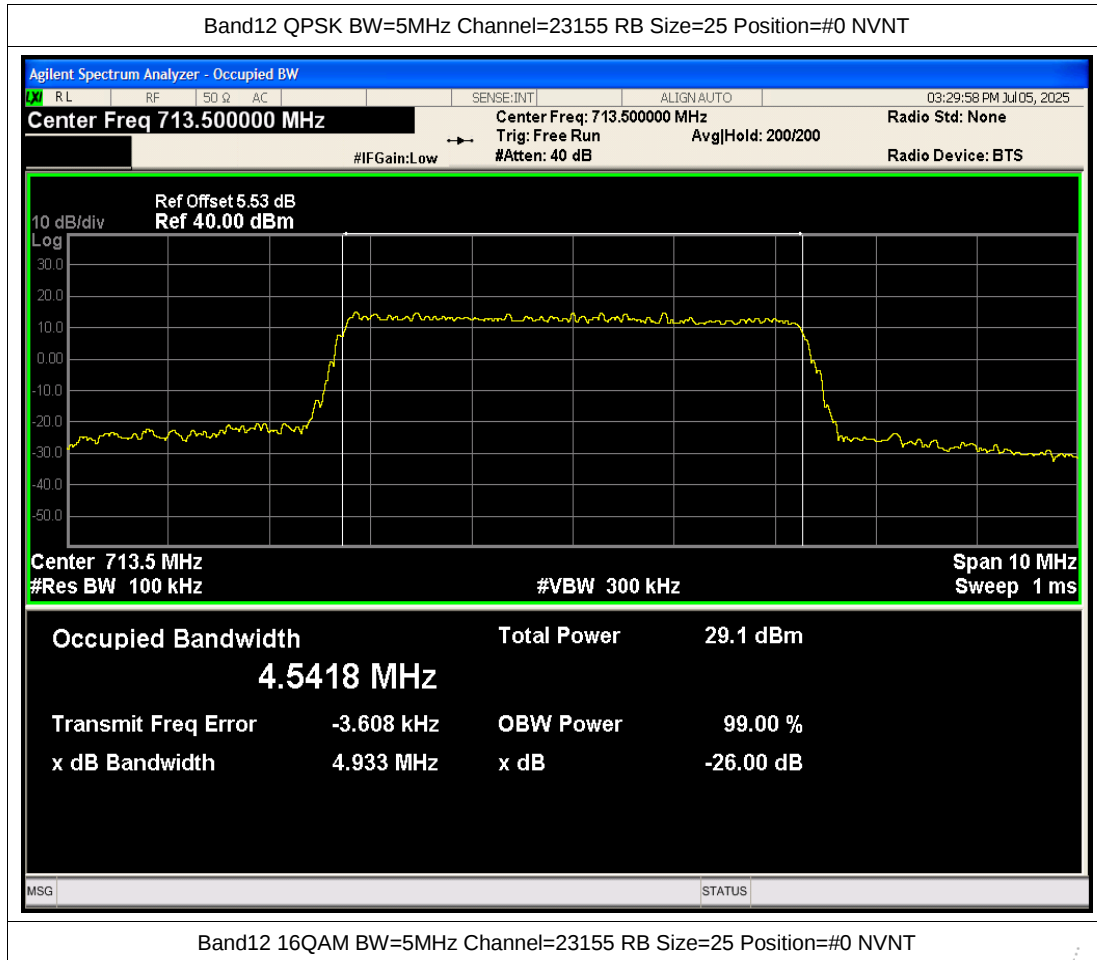


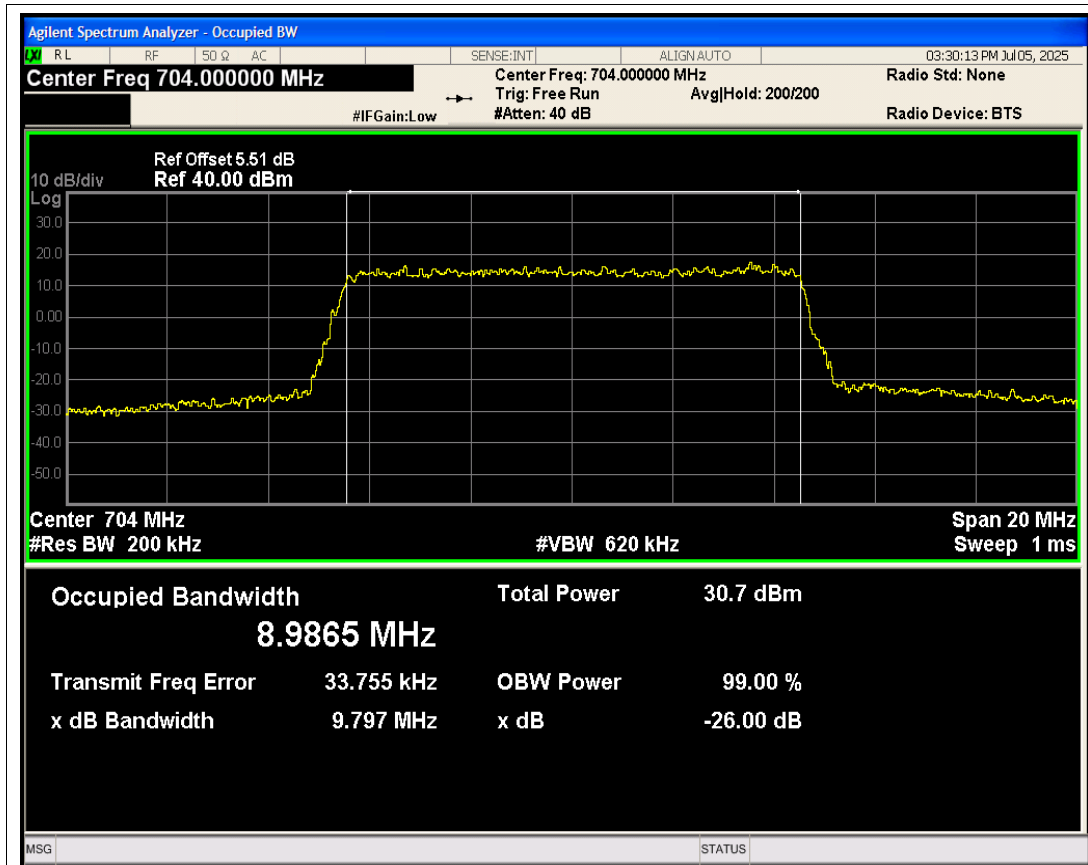




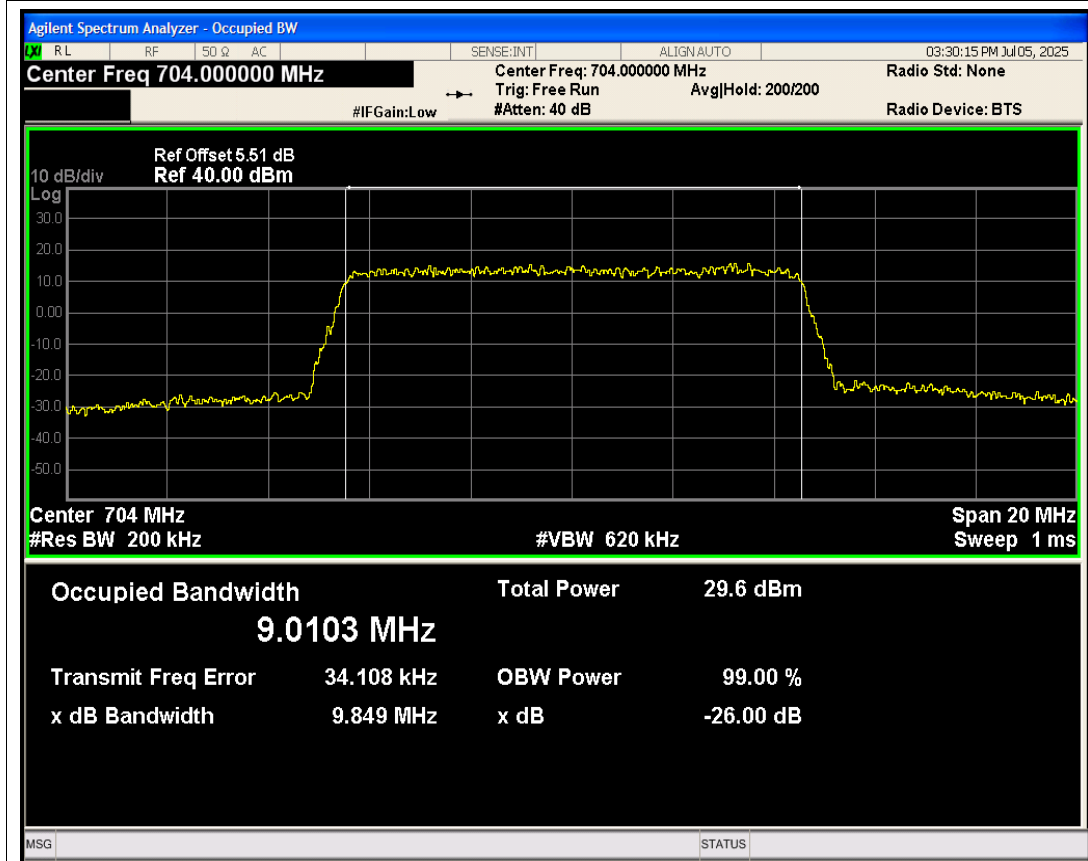
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT





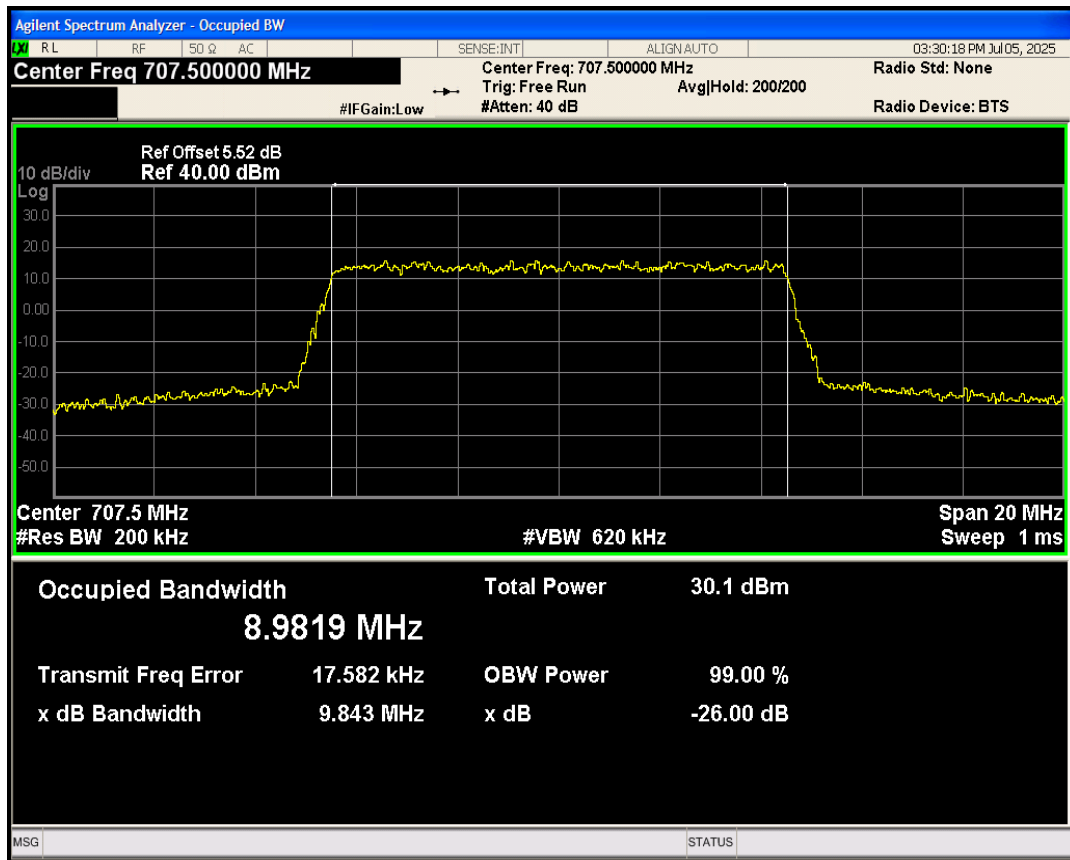


Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

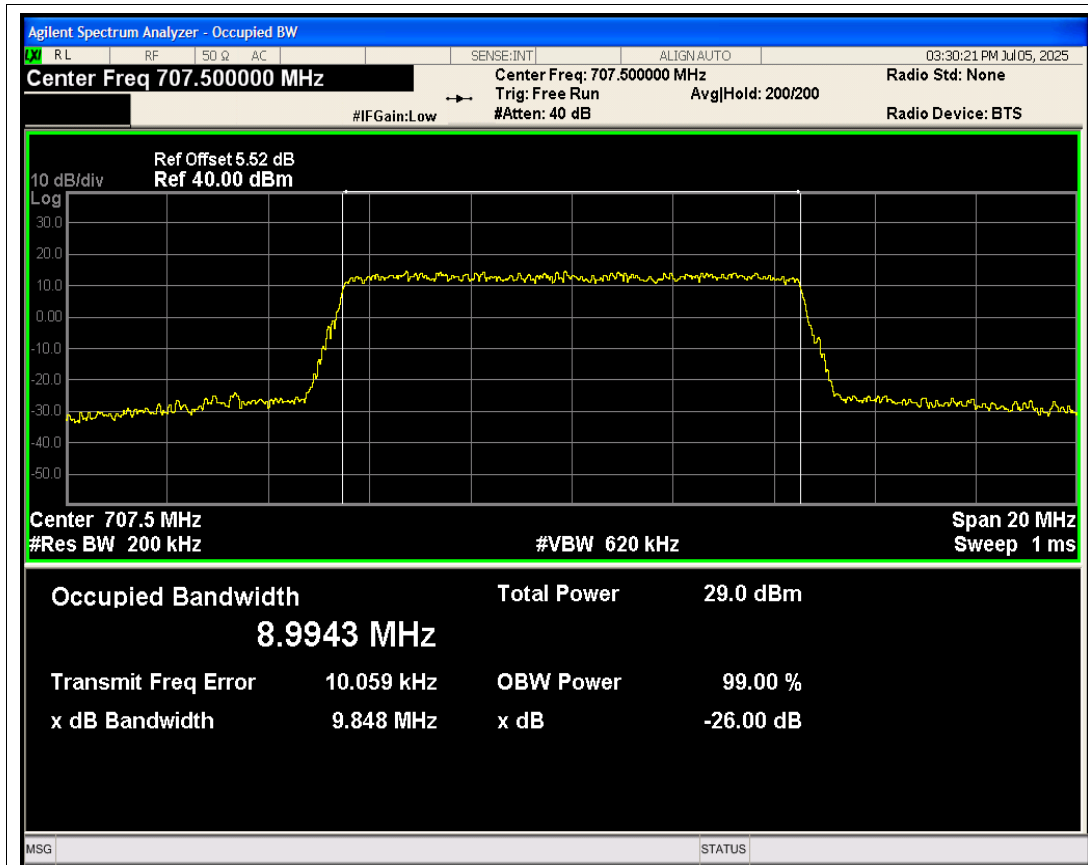




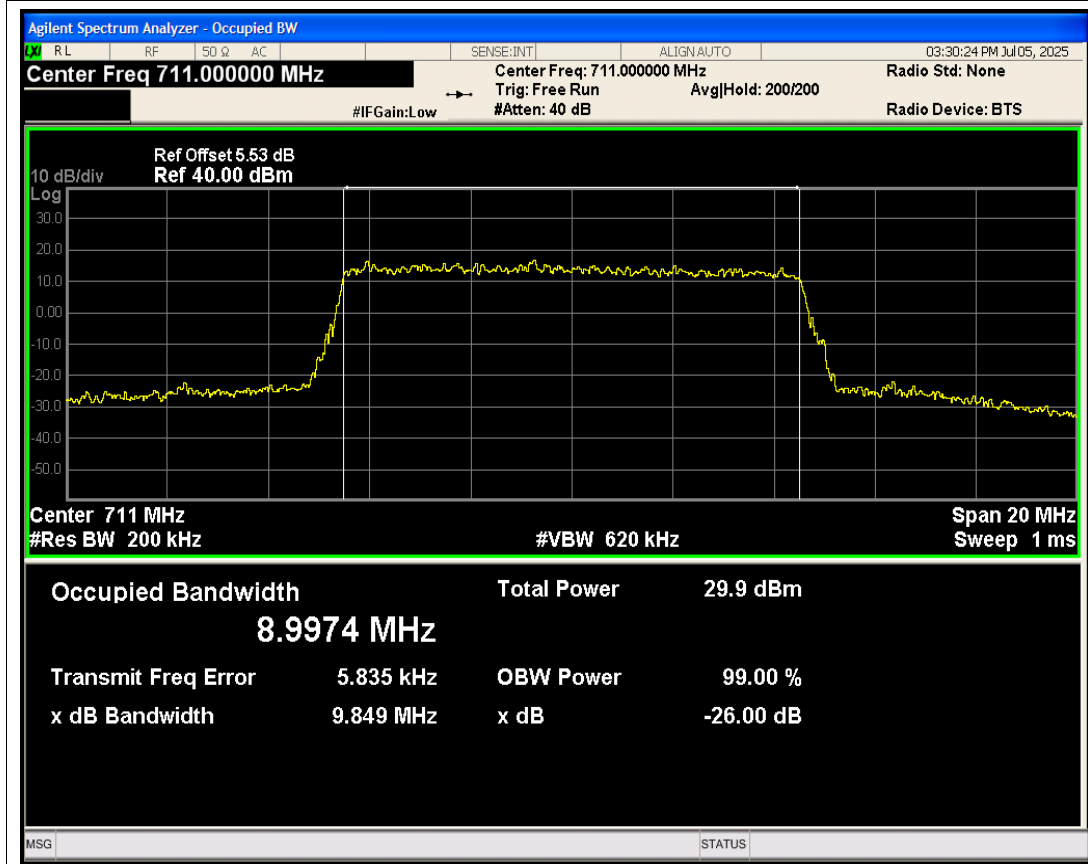
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

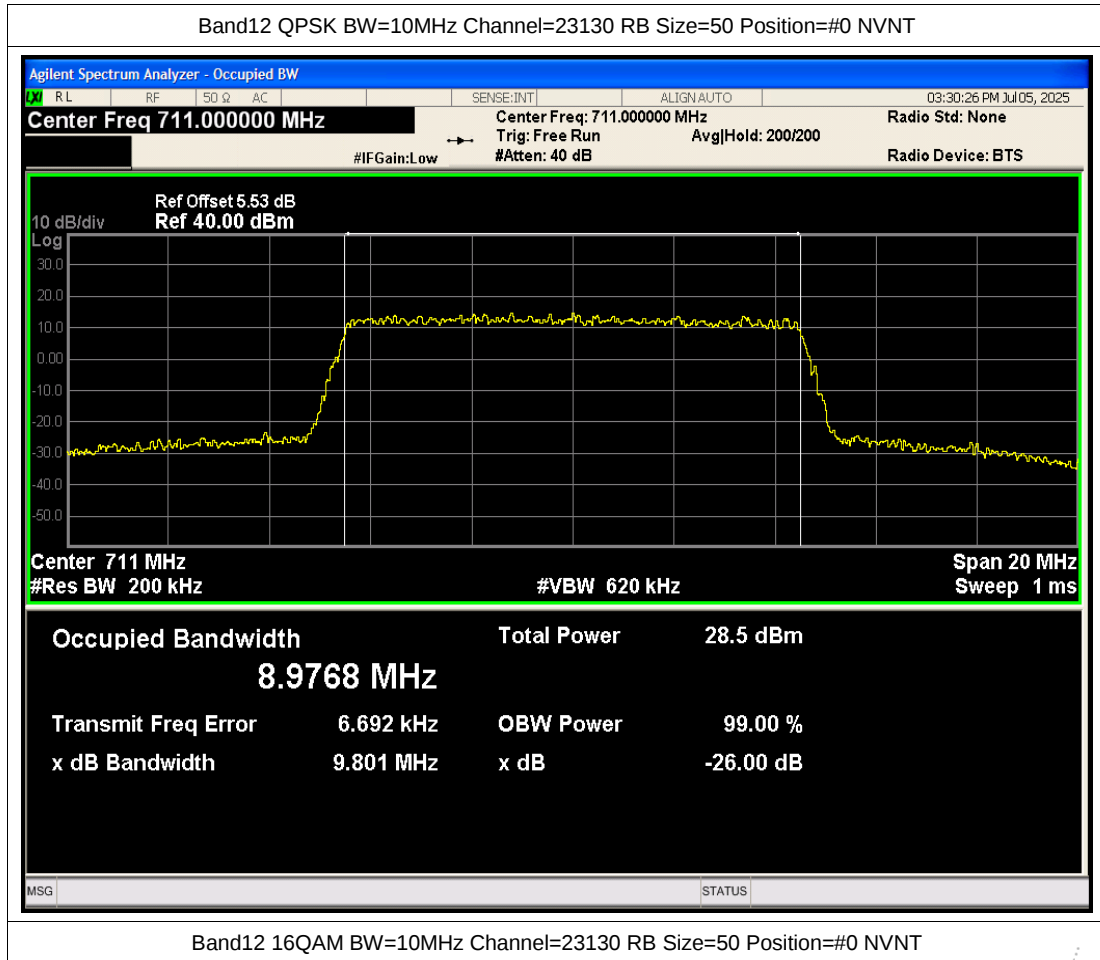


Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



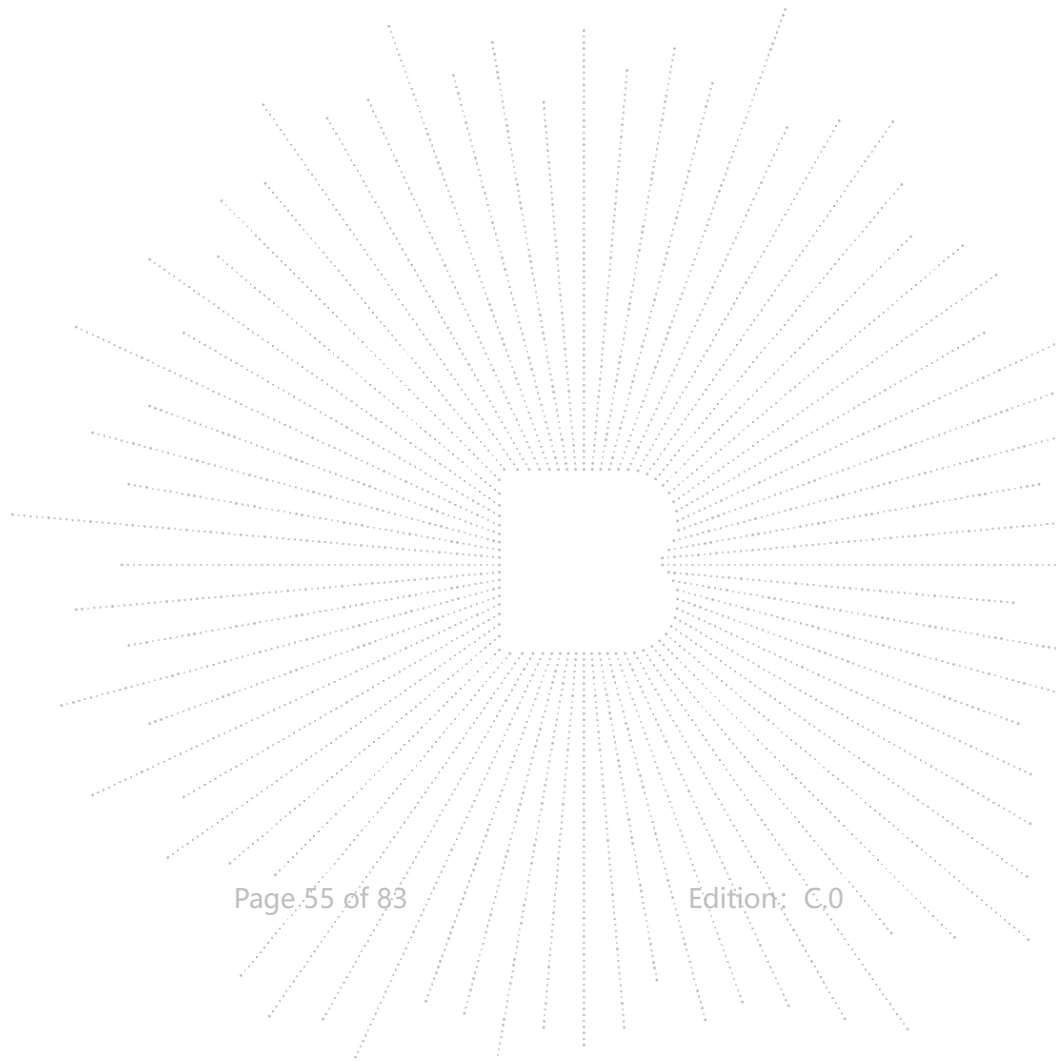
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT

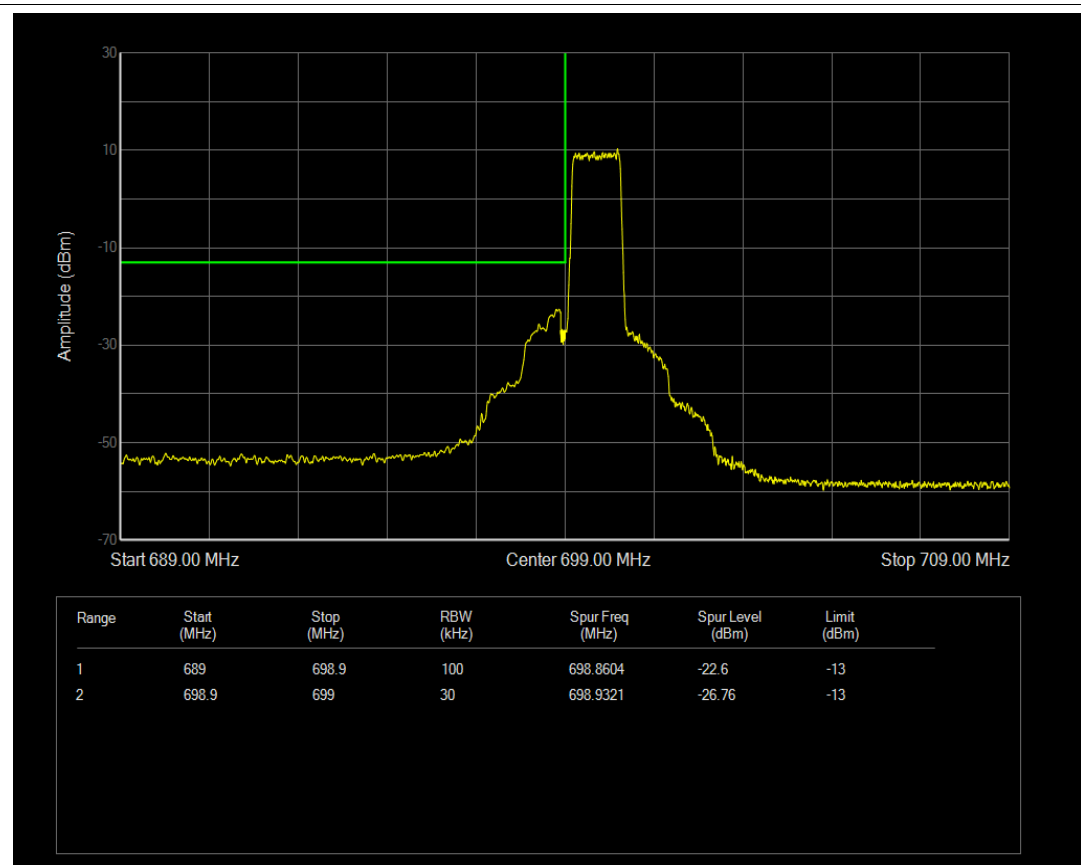




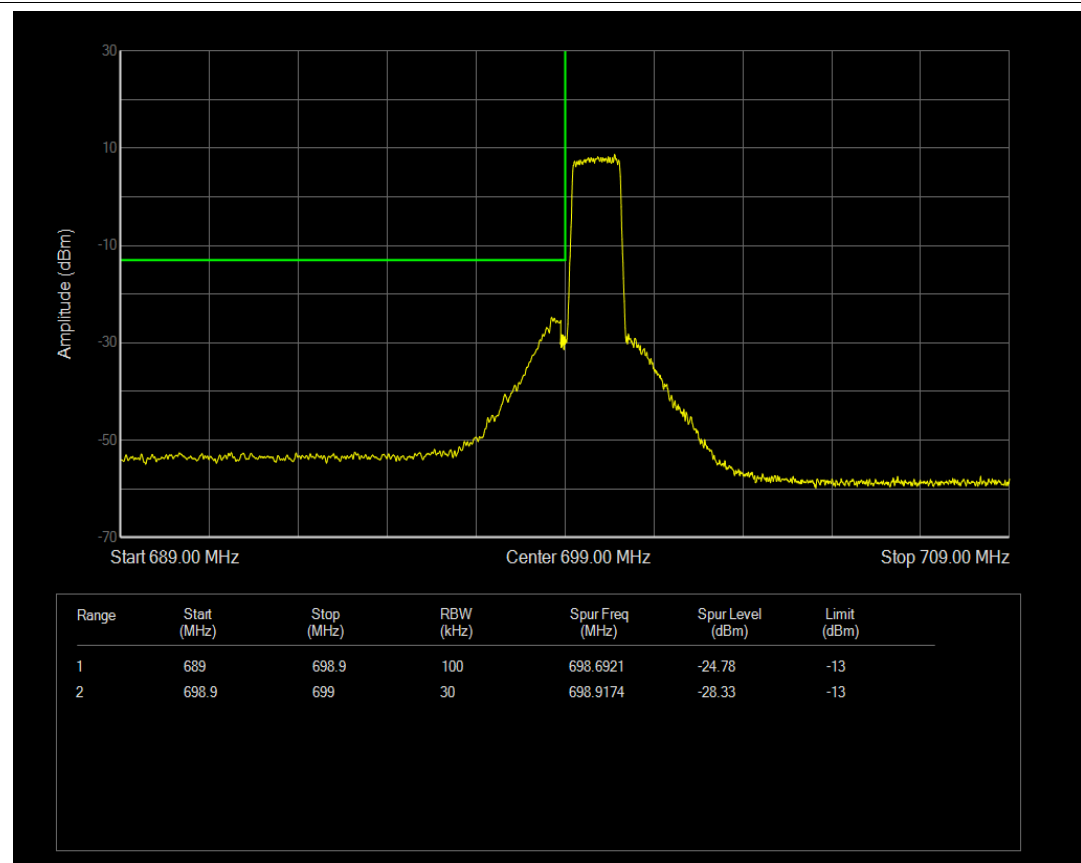
## Appendix 5.Band edge

| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur<br>Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|-----------------------|------------------------|----------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 698.86                | -22.60                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | 698.69                | -24.78                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 716.15                | -26.06                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | 716.12                | -25.84                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 699.00                | -22.80                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | 699.00                | -25.01                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 716.01                | -25.15                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | 716.00                | -25.65                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 698.90                | -30.13                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 25         | #0             | 16QAM      | 699.00                | -32.79                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 716.29                | -32.32                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23155         | 25         | #0             | 16QAM      | 716.11                | -33.23                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 698.90                | -34.37                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23060         | 50         | #0             | 16QAM      | 698.24                | -37.13                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 716.16                | -33.58                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23130         | 50         | #0             | 16QAM      | 716.24                | -36.56                 | -13            | PASS    |

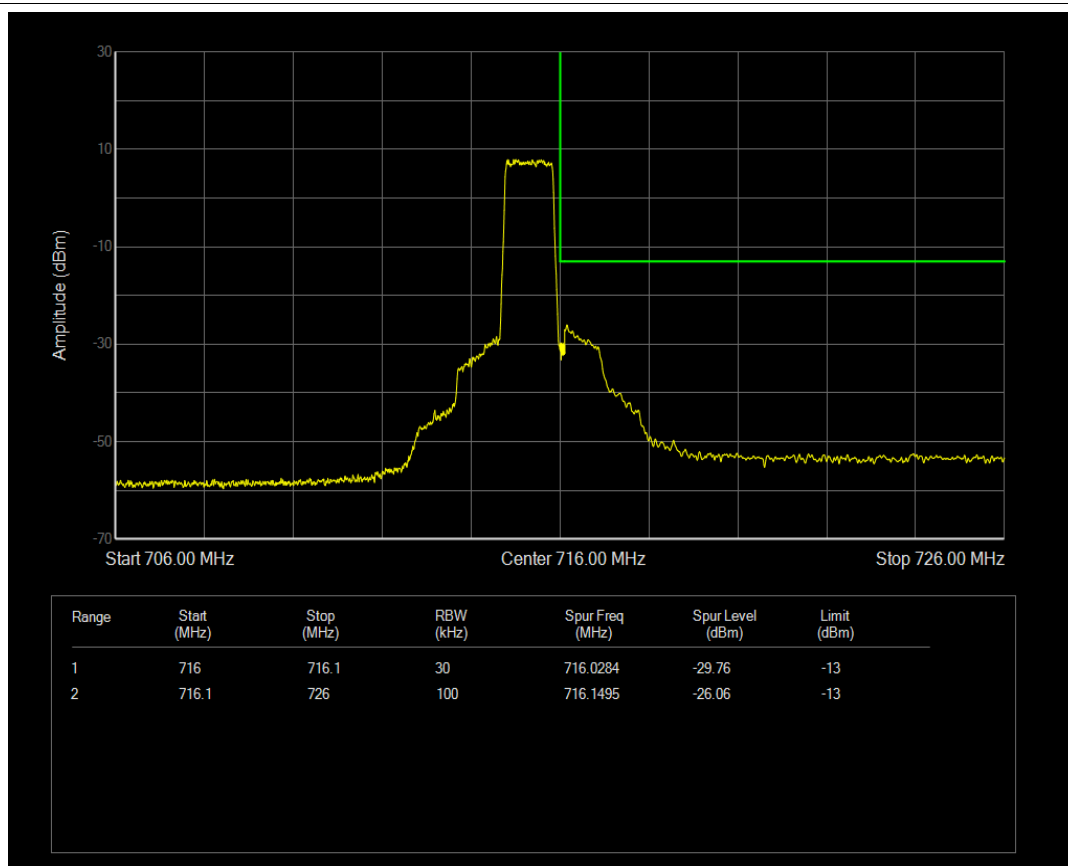




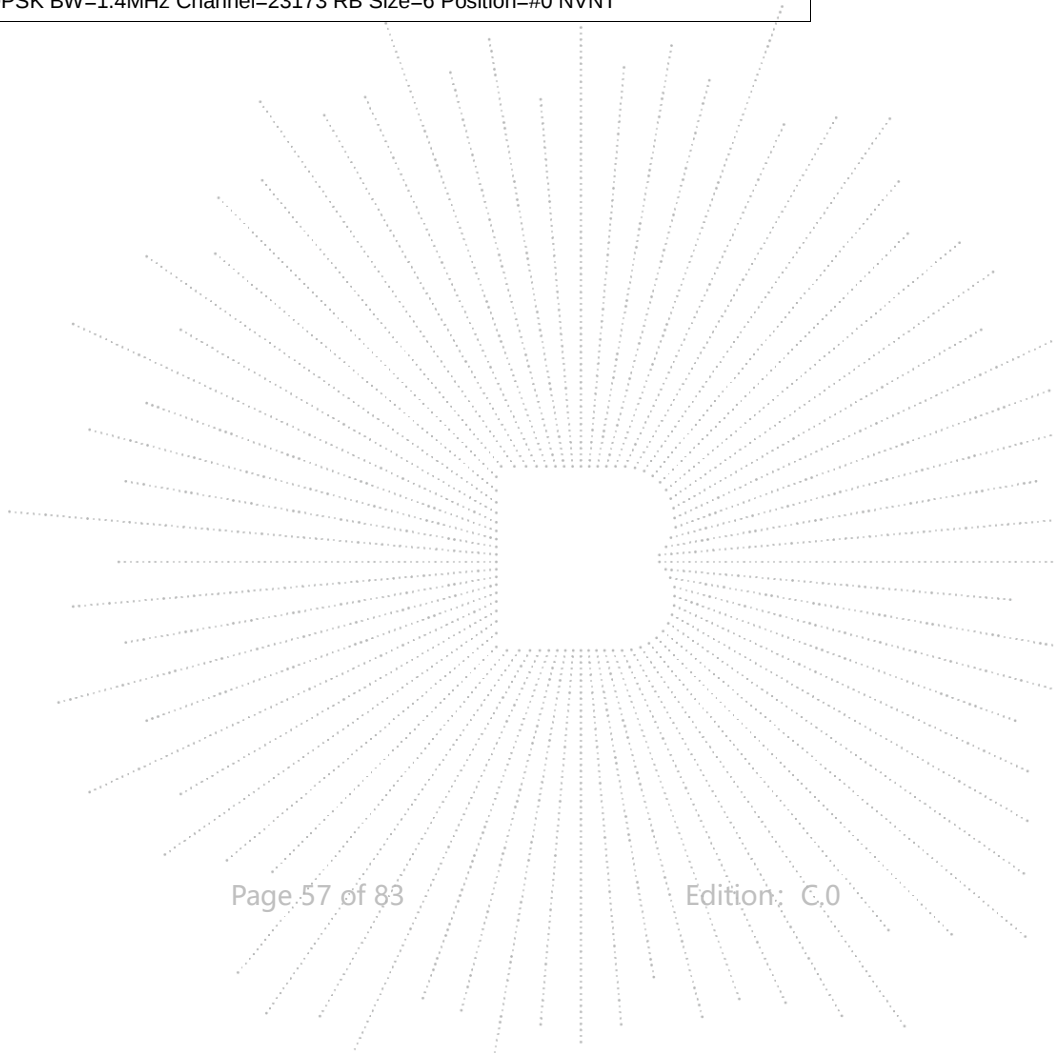
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

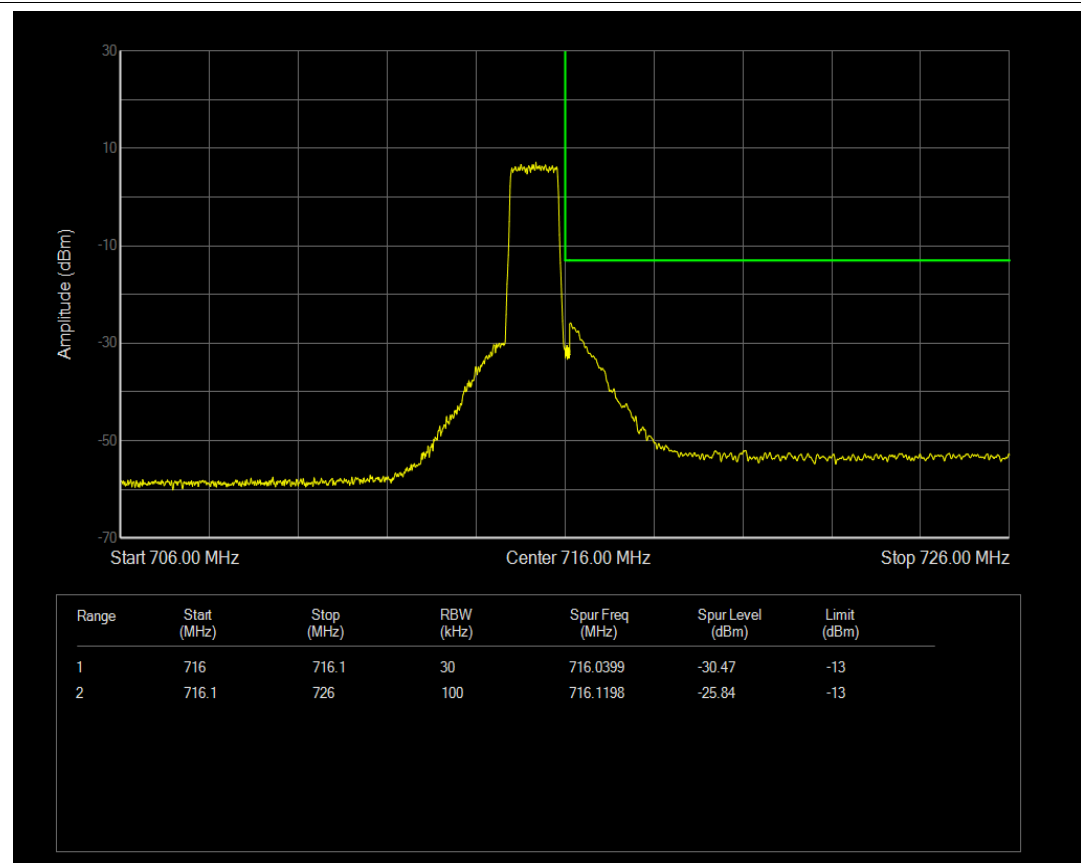


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

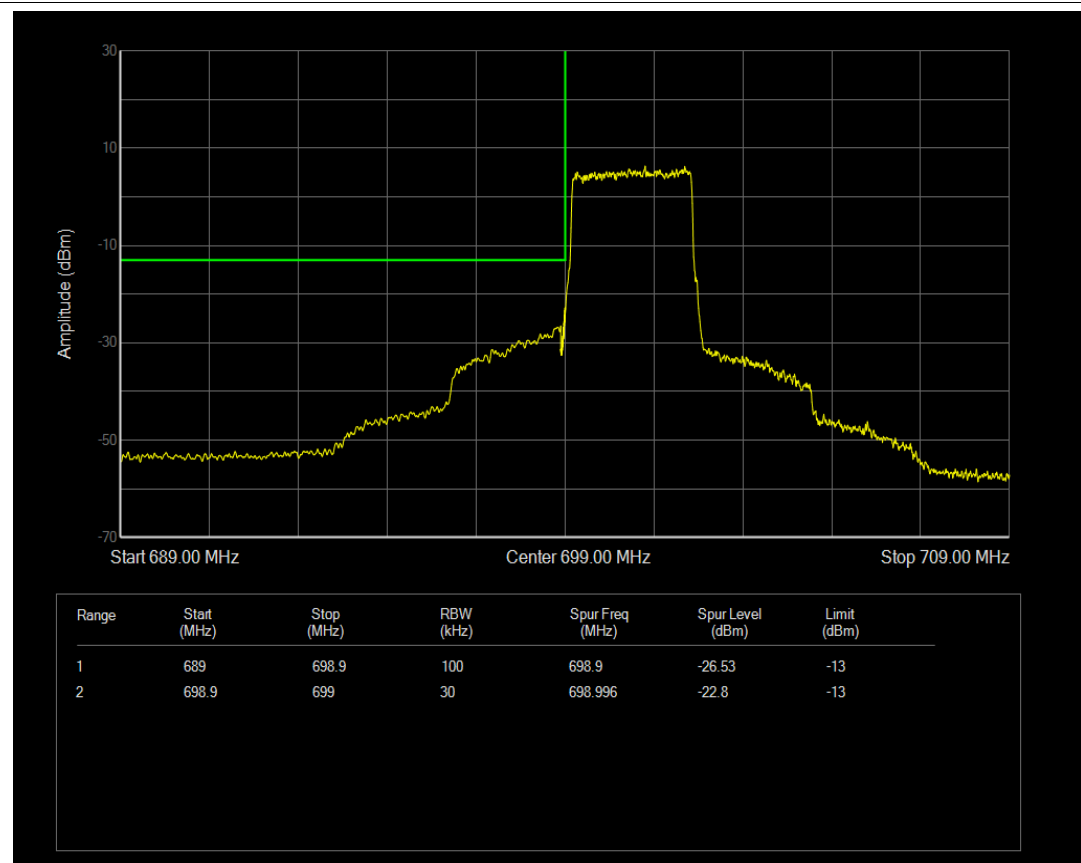


Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT

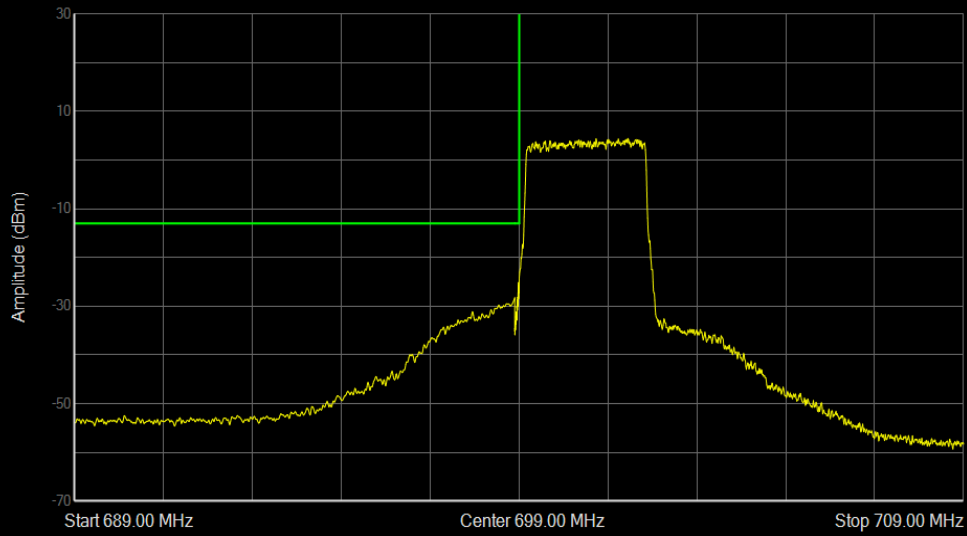




Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT

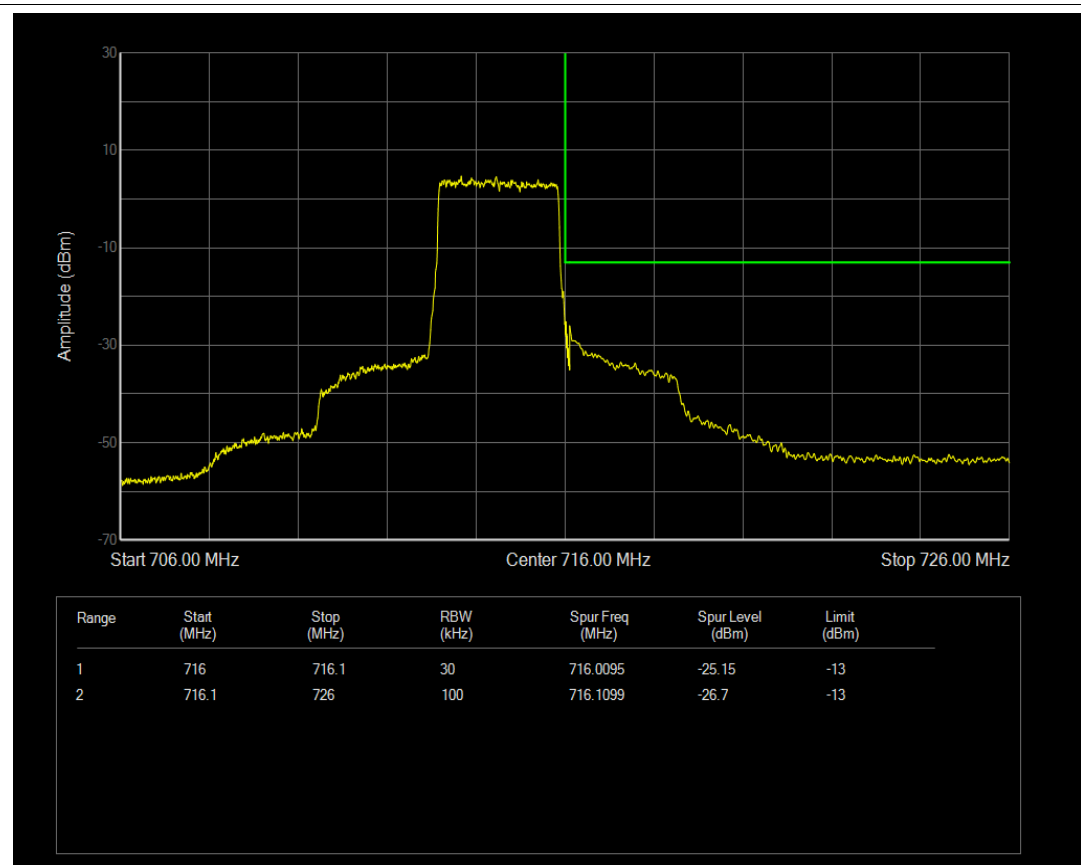


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

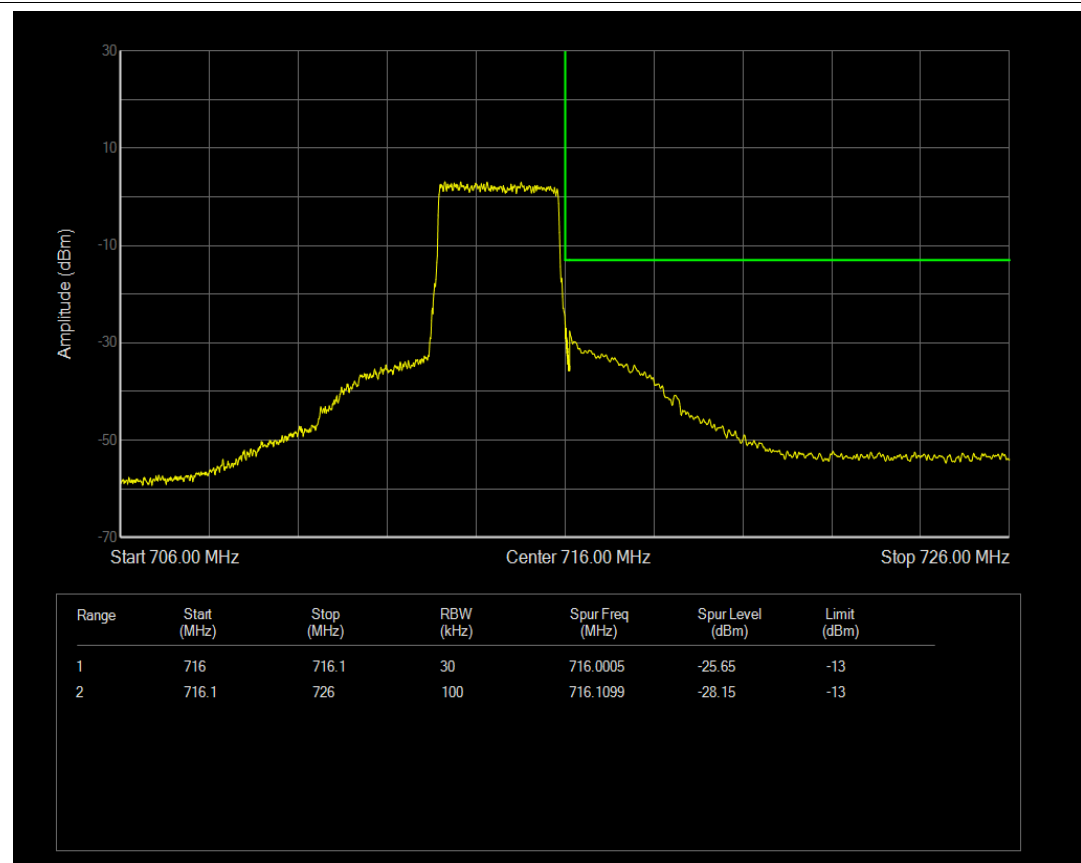


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 689         | 698.9      | 100       | 698.9           | -28.25           | -13         |
| 2     | 698.9       | 699        | 30        | 698.9974        | -25.01           | -13         |

Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

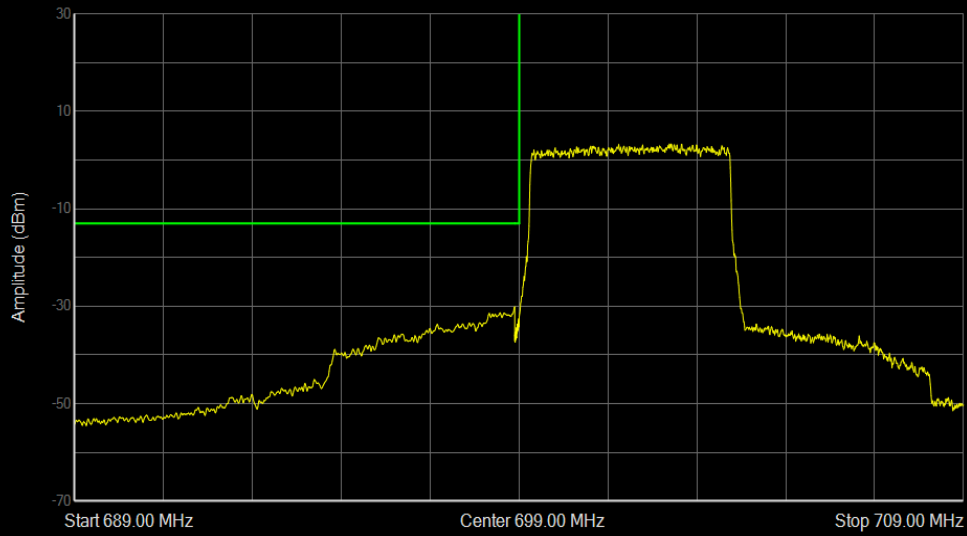


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



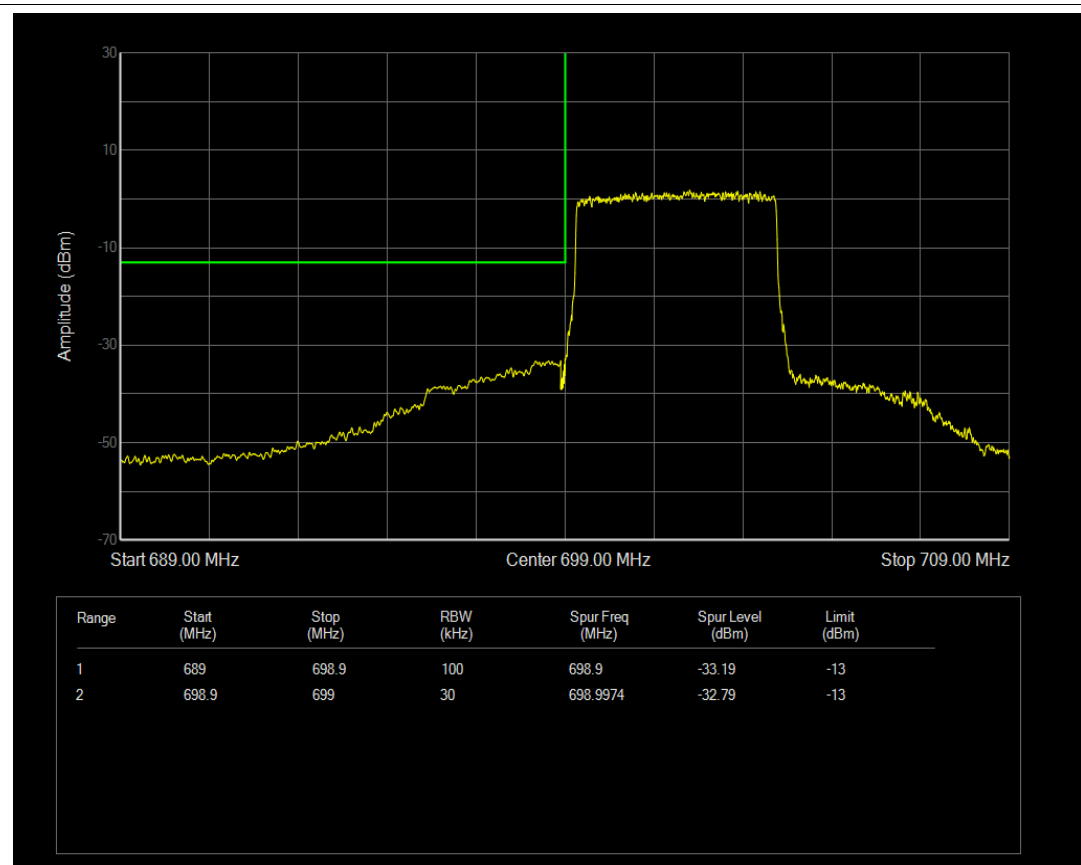


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

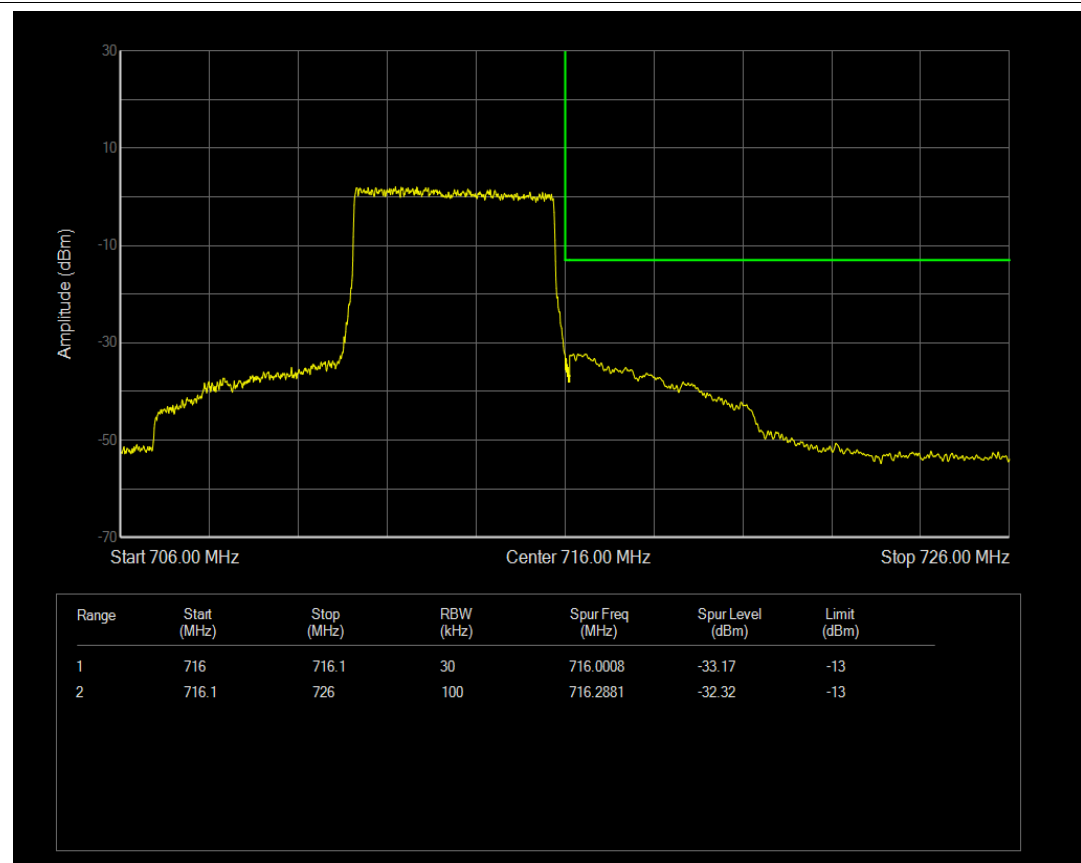


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 689         | 698.9      | 100       | 698.9           | -30.13           | -13         |
| 2     | 698.9       | 699        | 30        | 698.9928        | -32.59           | -13         |

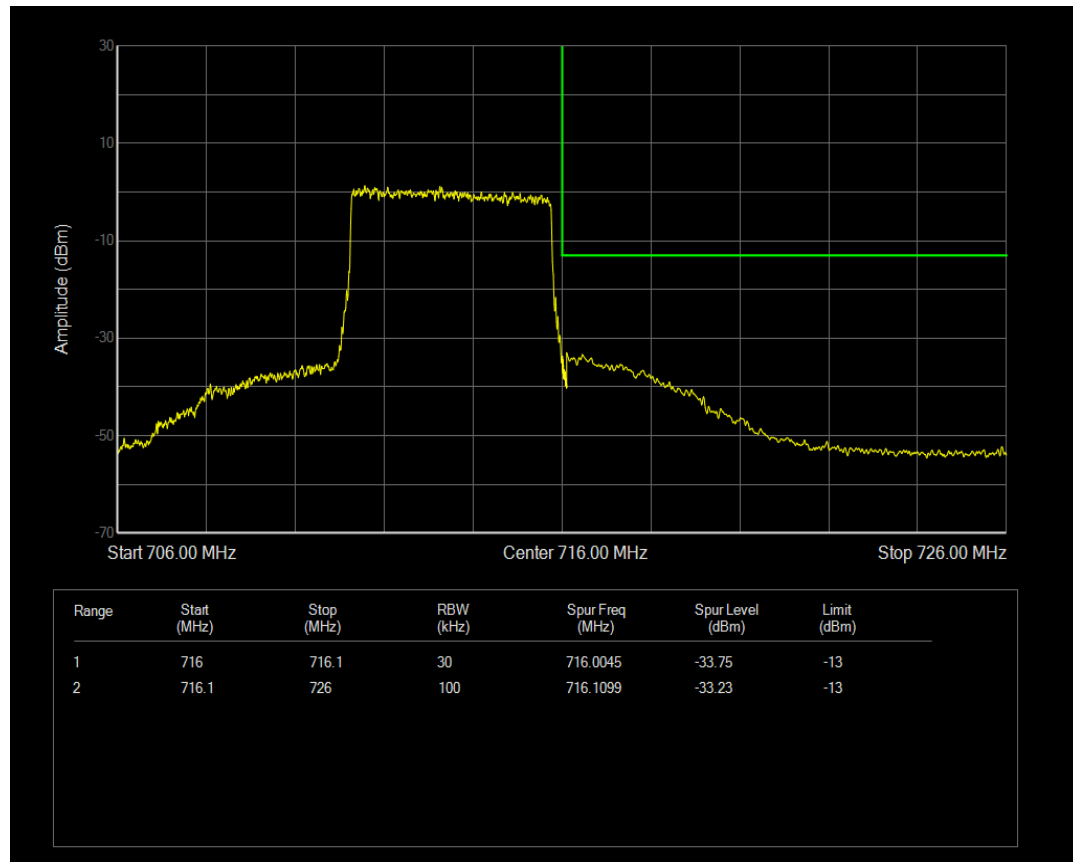
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



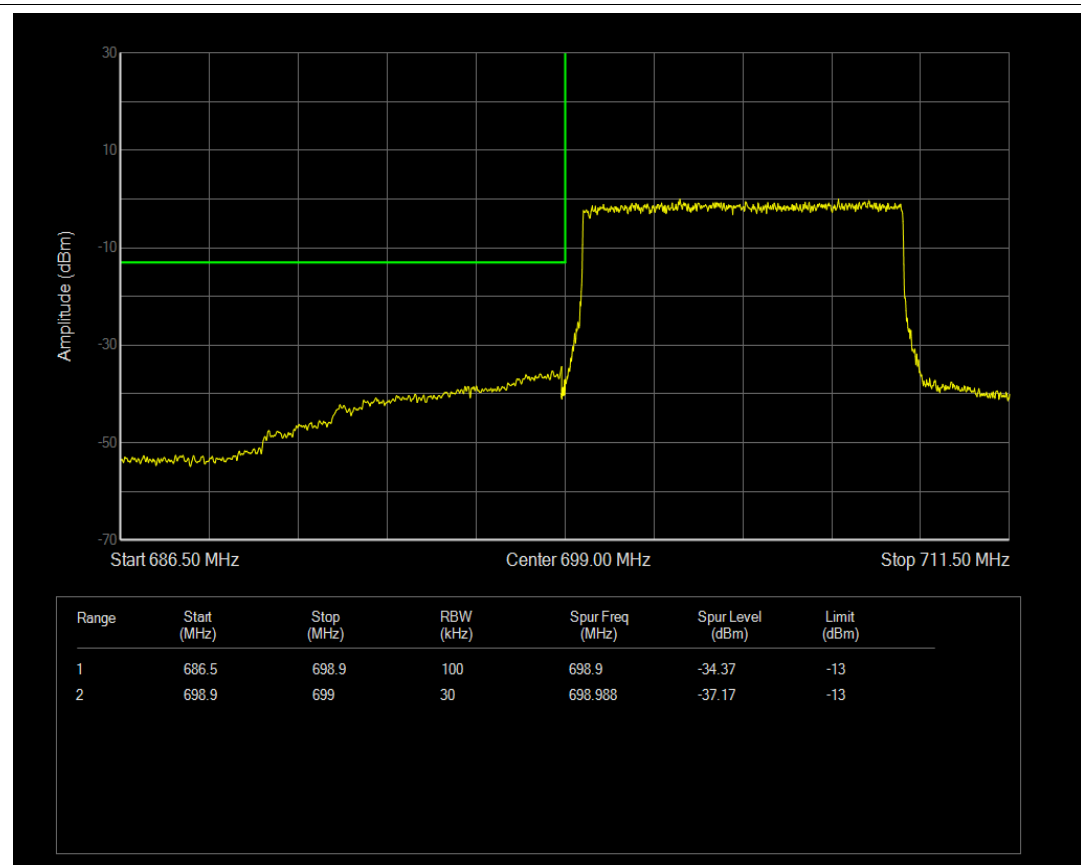
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



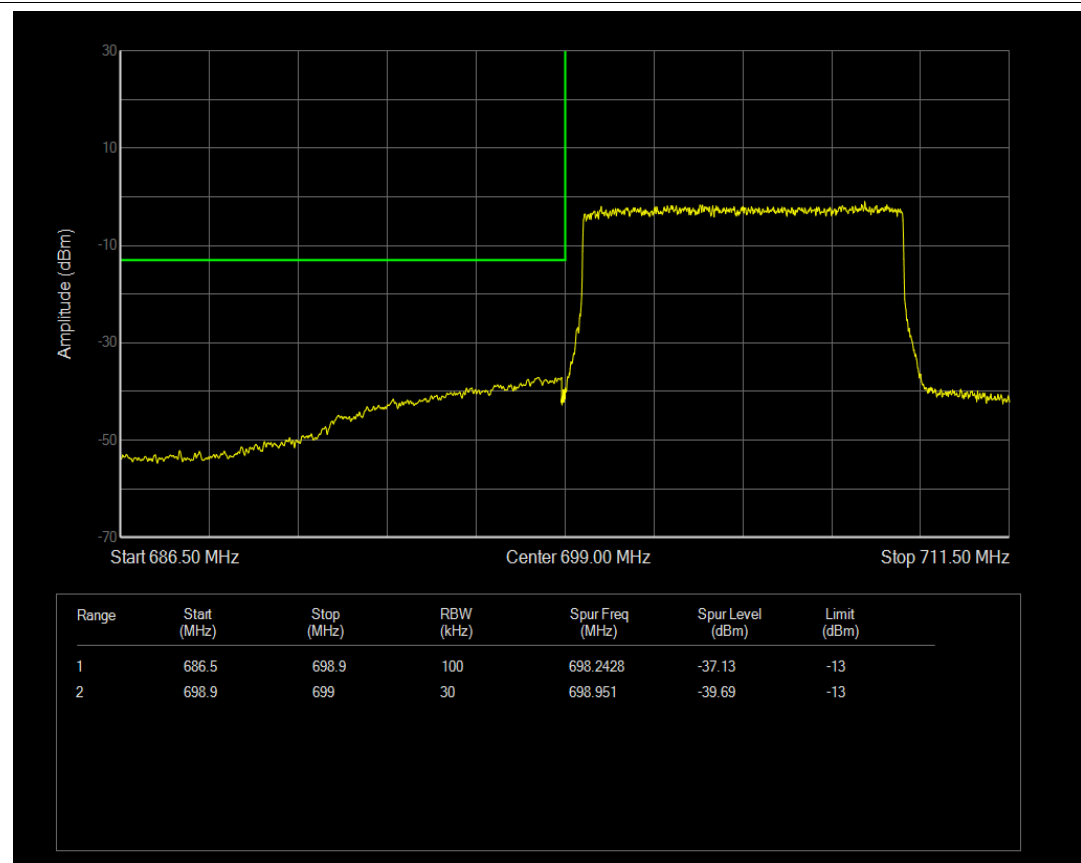
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



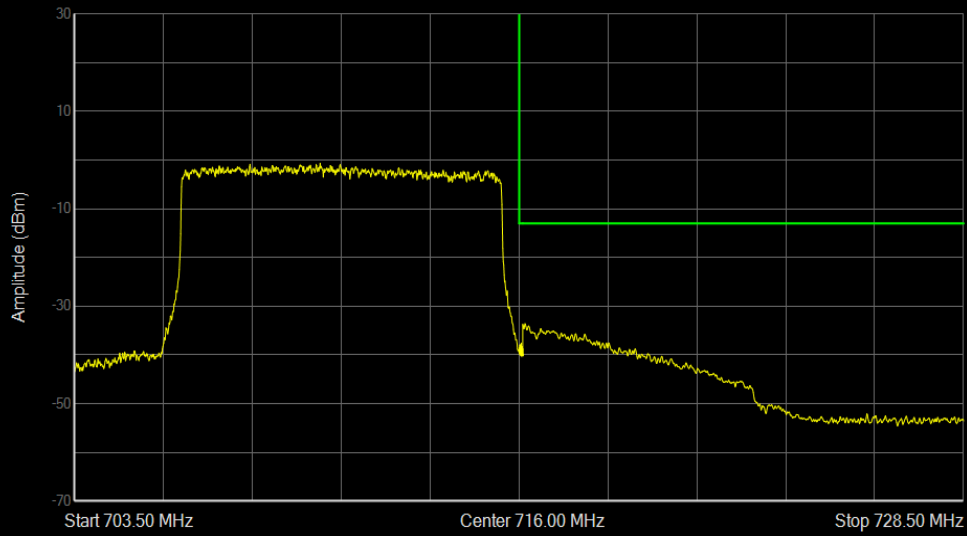
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

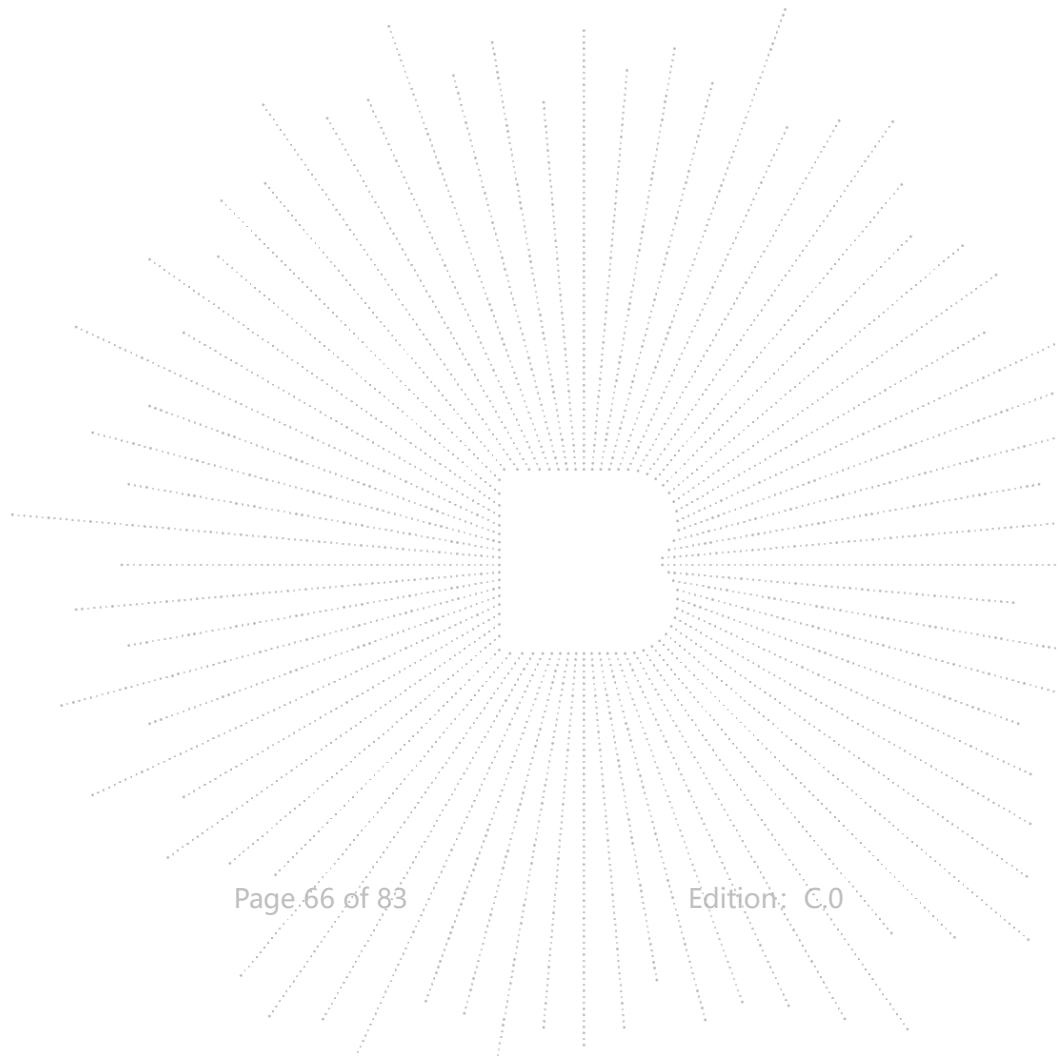
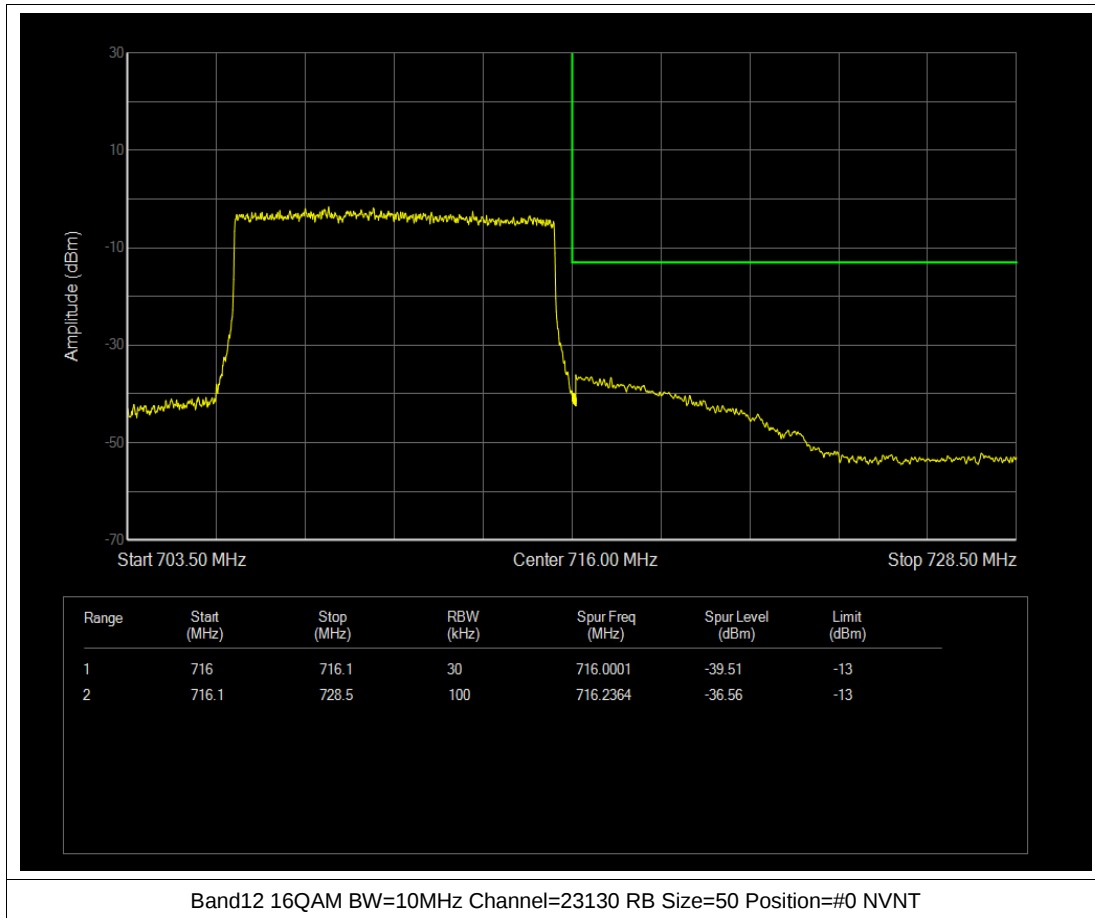


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



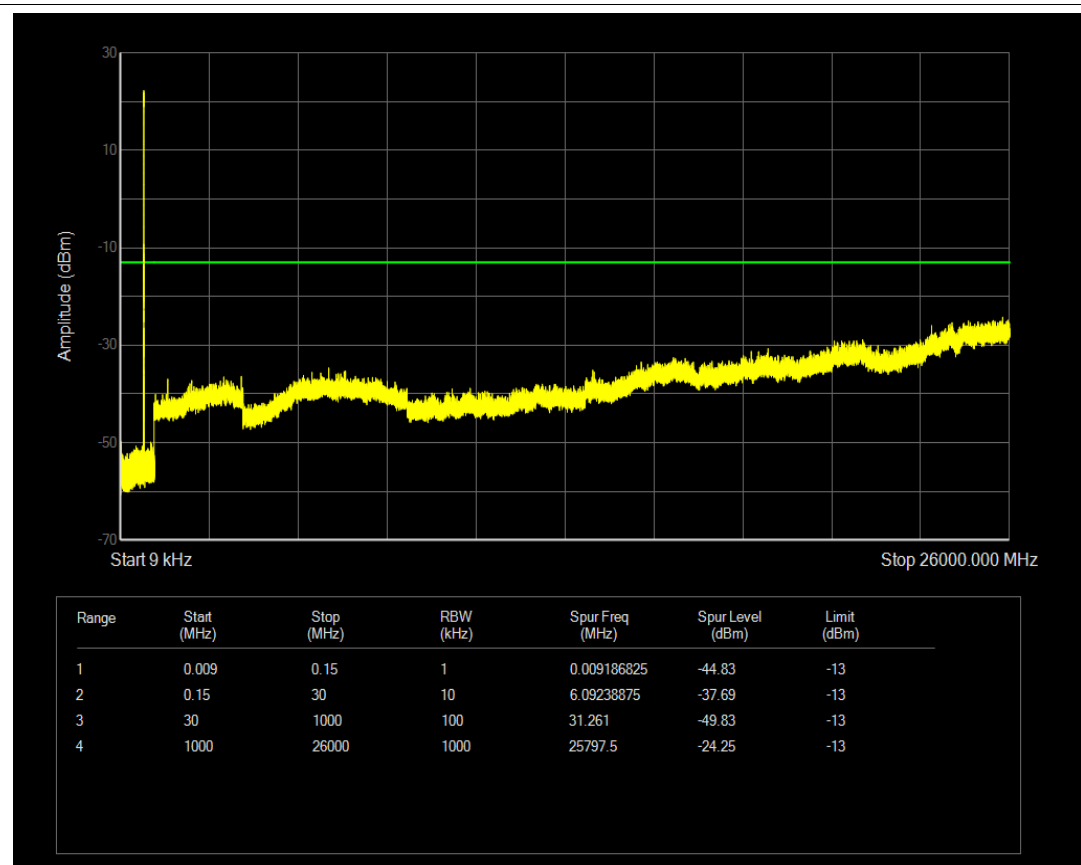
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 716         | 716.1      | 30        | 716.0596        | -37.61           | -13         |
| 2     | 716.1       | 728.5      | 100       | 716.162         | -33.58           | -13         |

Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT

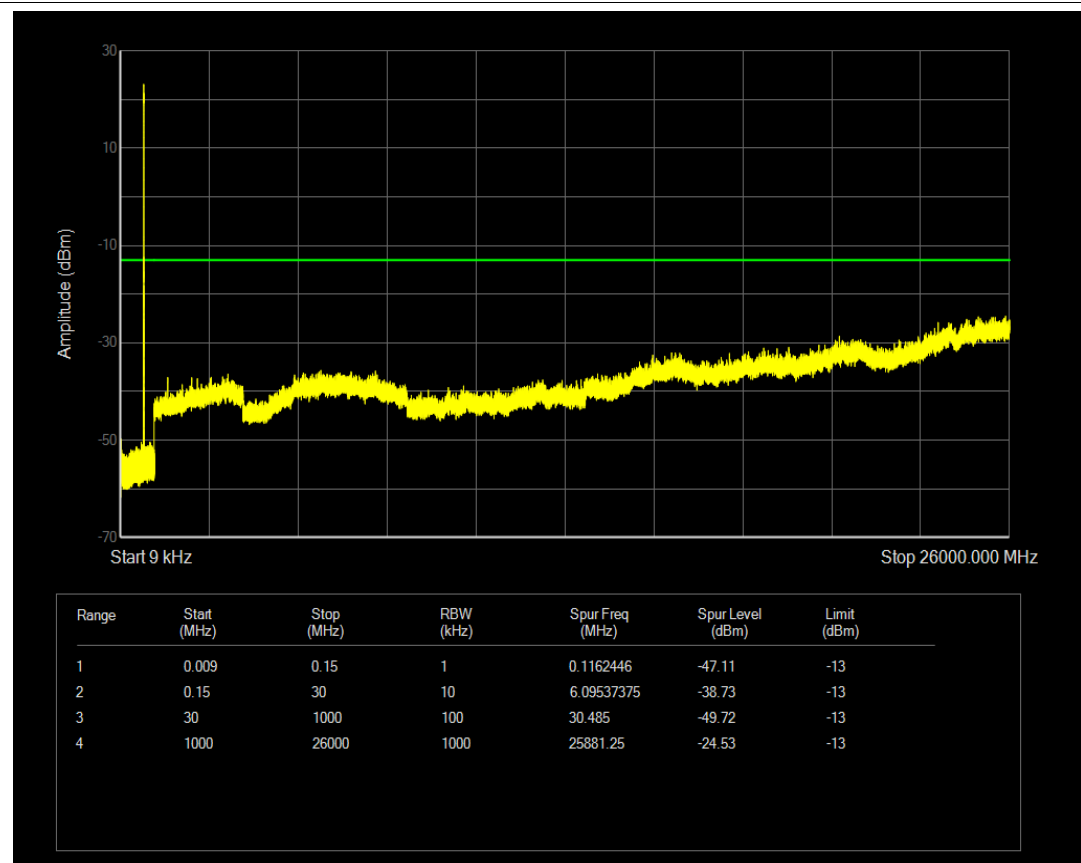


## Appendix 6.Out-of-band emissions

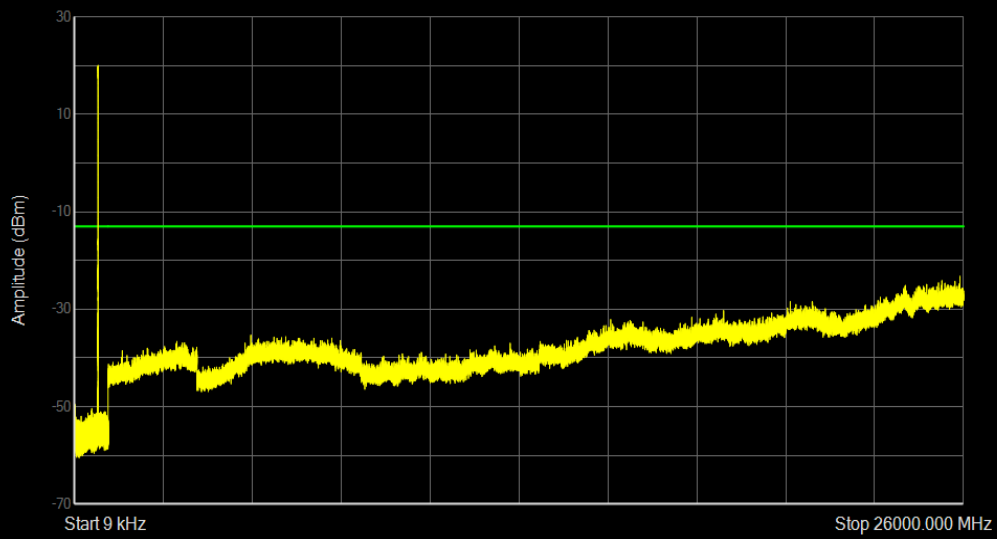
| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur<br>Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|-----------------------|------------------------|----------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 25797.50              | -24.25                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | 25881.25              | -24.53                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 25895.63              | -23.23                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | 25542.50              | -23.24                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 25020.63              | -23.74                 | -13            | PASS    |
| NVNT      | Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | 25780.63              | -23.87                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 24675.00              | -24.38                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | 25541.25              | -24.06                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23095         | 15         | #0             | QPSK       | 24643.13              | -24.09                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | 25499.38              | -23.70                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 25928.75              | -24.61                 | -13            | PASS    |
| NVNT      | Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | 25609.38              | -24.19                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 25992.50              | -23.90                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23035         | 25         | #0             | 16QAM      | 25680.00              | -24.39                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23095         | 25         | #0             | QPSK       | 25115.00              | -24.73                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23095         | 25         | #0             | 16QAM      | 25399.38              | -24.05                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 25898.13              | -24.21                 | -13            | PASS    |
| NVNT      | Band12 | 5                  | 23155         | 25         | #0             | 16QAM      | 25364.38              | -23.82                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 25136.88              | -24.59                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23060         | 50         | #0             | 16QAM      | 25433.13              | -23.54                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23095         | 50         | #0             | QPSK       | 25826.25              | -24.28                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23095         | 50         | #0             | 16QAM      | 25263.75              | -24.05                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 25915.00              | -24.08                 | -13            | PASS    |
| NVNT      | Band12 | 10                 | 23130         | 50         | #0             | 16QAM      | 25741.88              | -24.74                 | -13            | PASS    |



Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

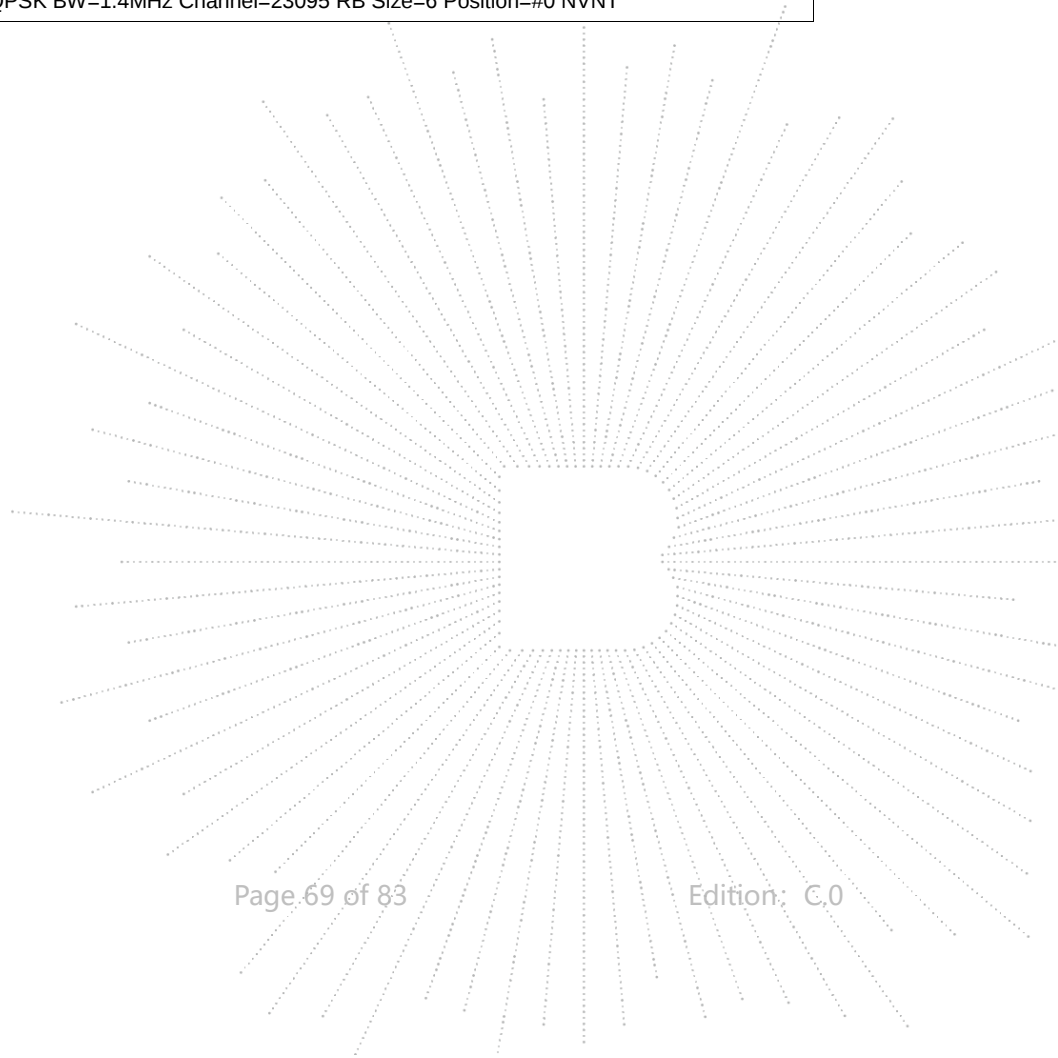


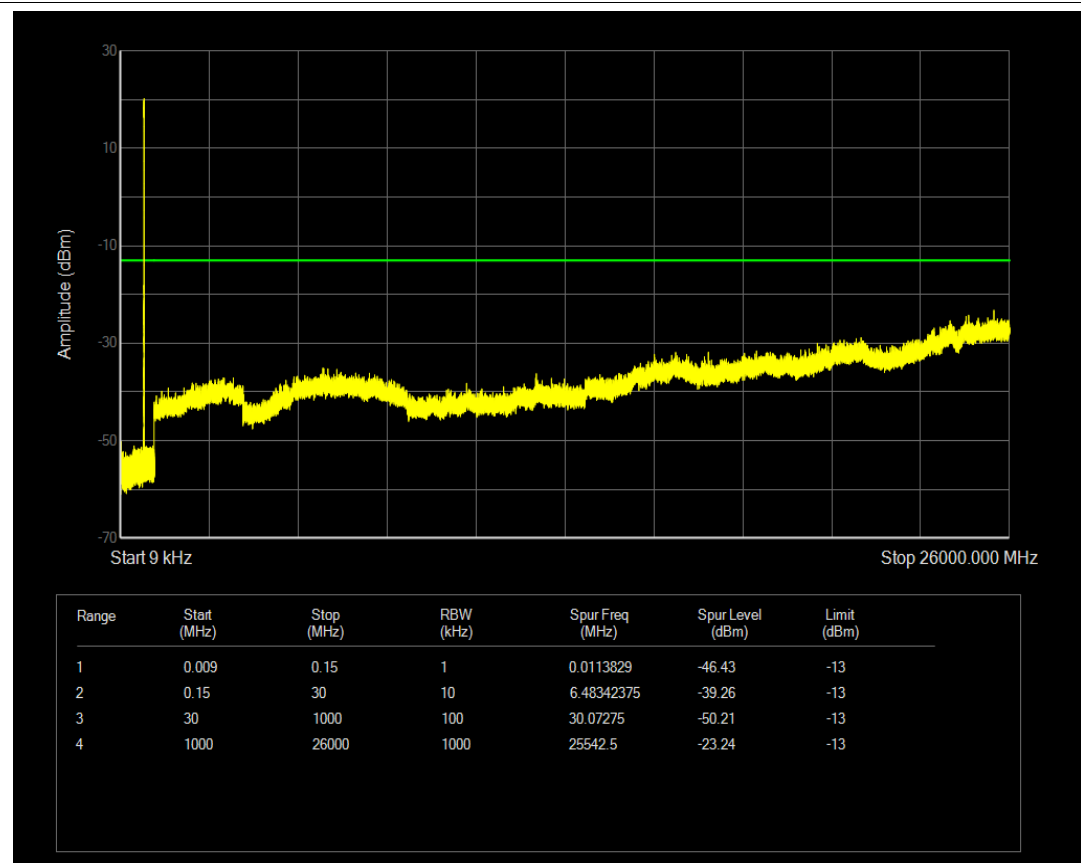
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



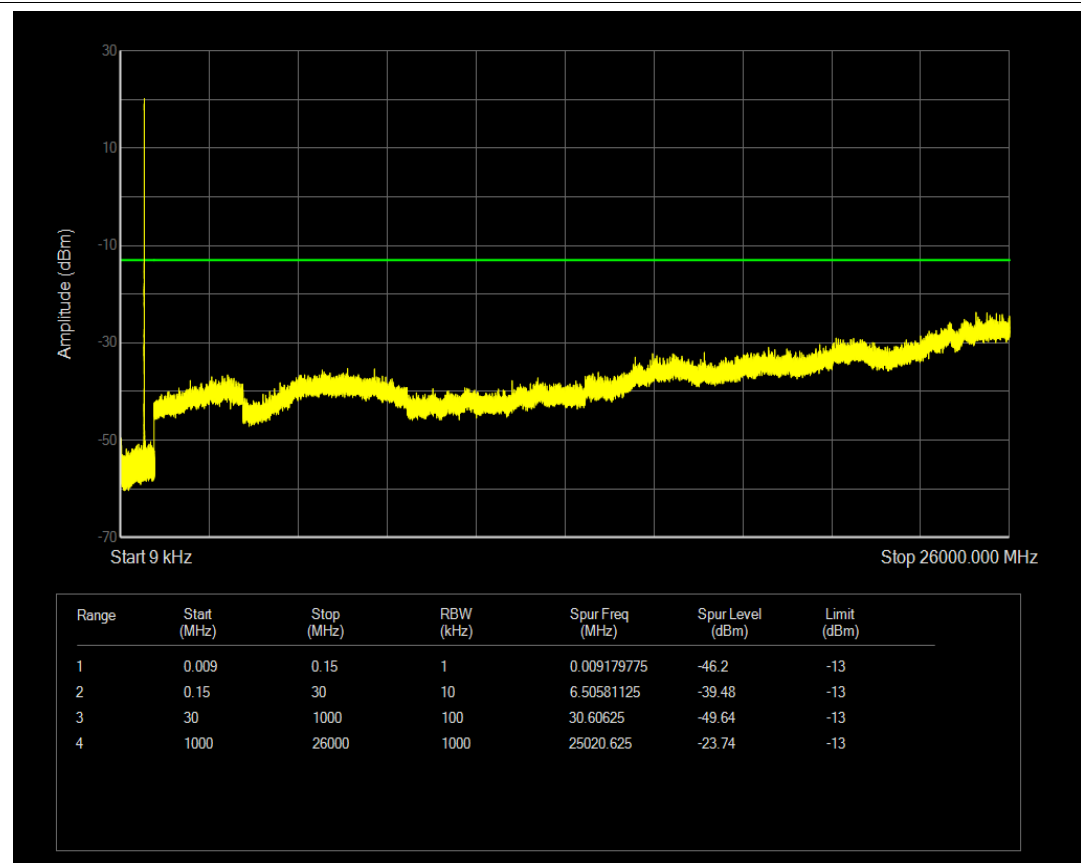
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.013219425     | -45.53           | -13         |
| 2     | 0.15        | 30         | 10        | 6.4468575       | -38.49           | -13         |
| 3     | 30          | 1000       | 100       | 30.02425        | -49.46           | -13         |
| 4     | 1000        | 26000      | 1000      | 25895.625       | -23.23           | -13         |

Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

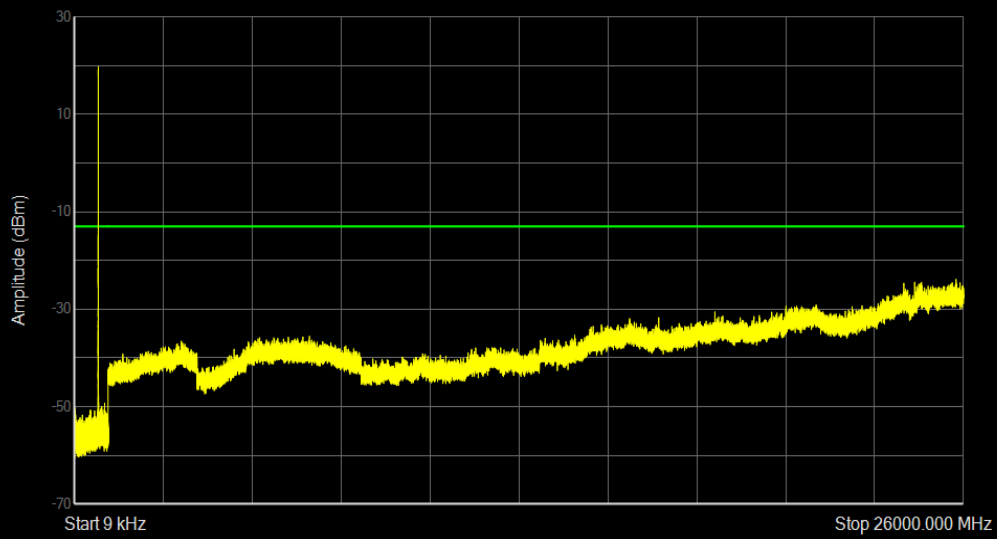




Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

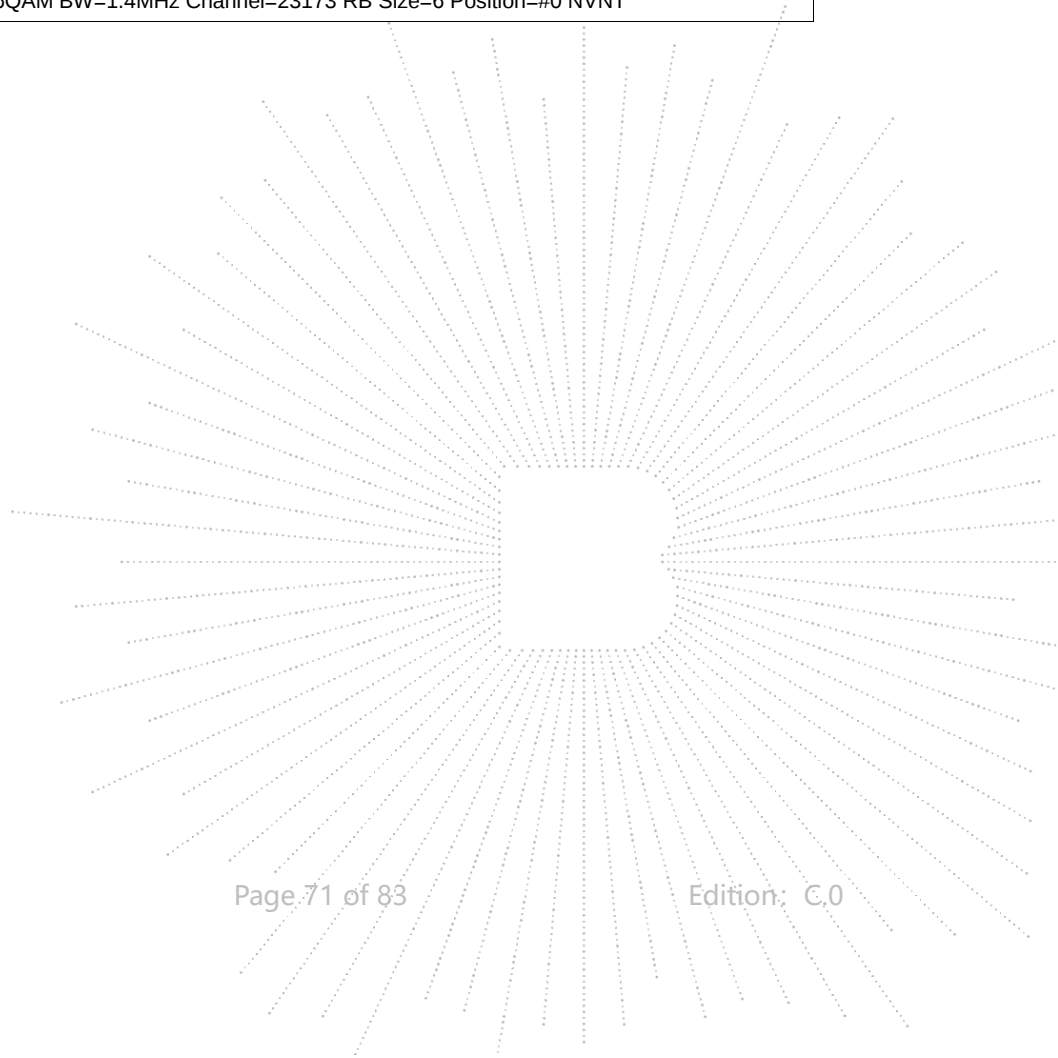


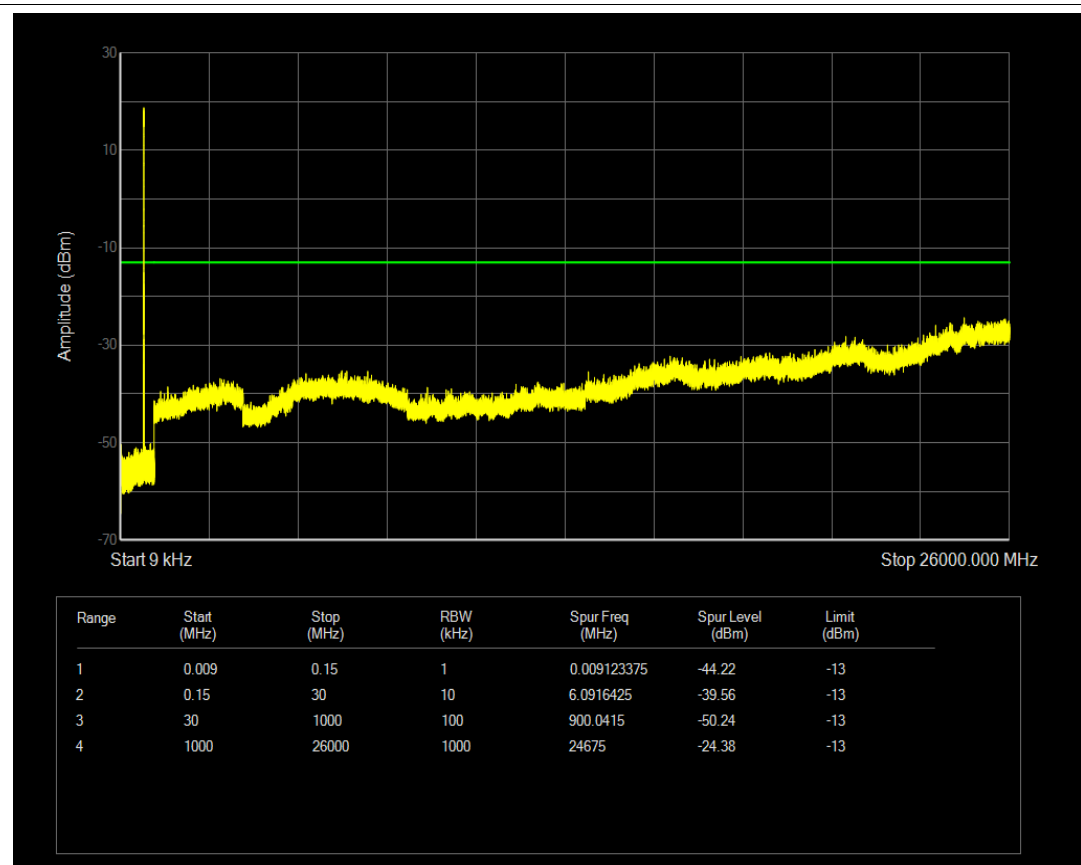
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



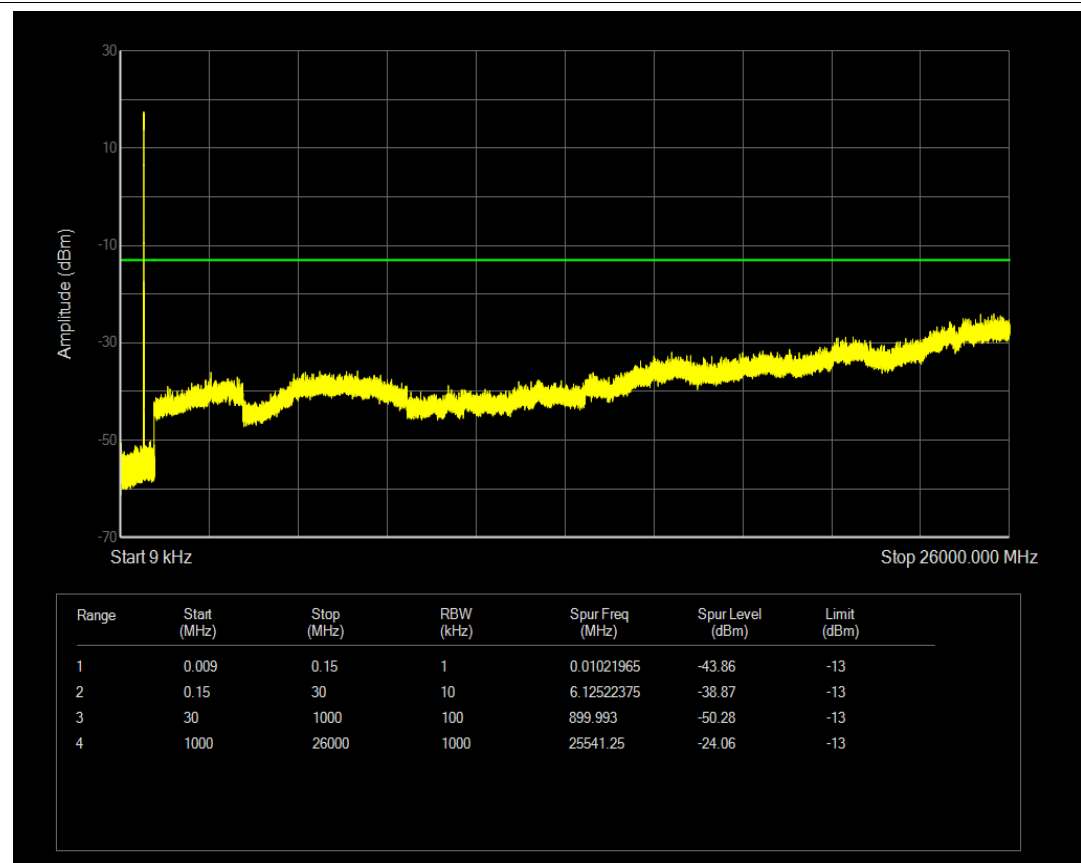
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.010068075     | -46.43           | -13         |
| 2     | 0.15        | 30         | 10        | 6.05059875      | -38              | -13         |
| 3     | 30          | 1000       | 100       | 899.993         | -49.28           | -13         |
| 4     | 1000        | 26000      | 1000      | 25780.625       | -23.87           | -13         |

Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT

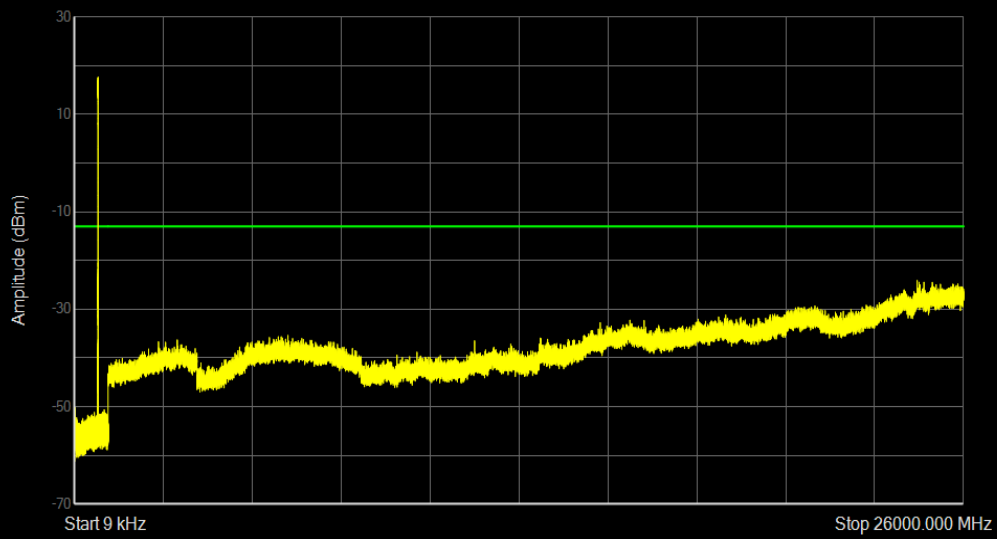




Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

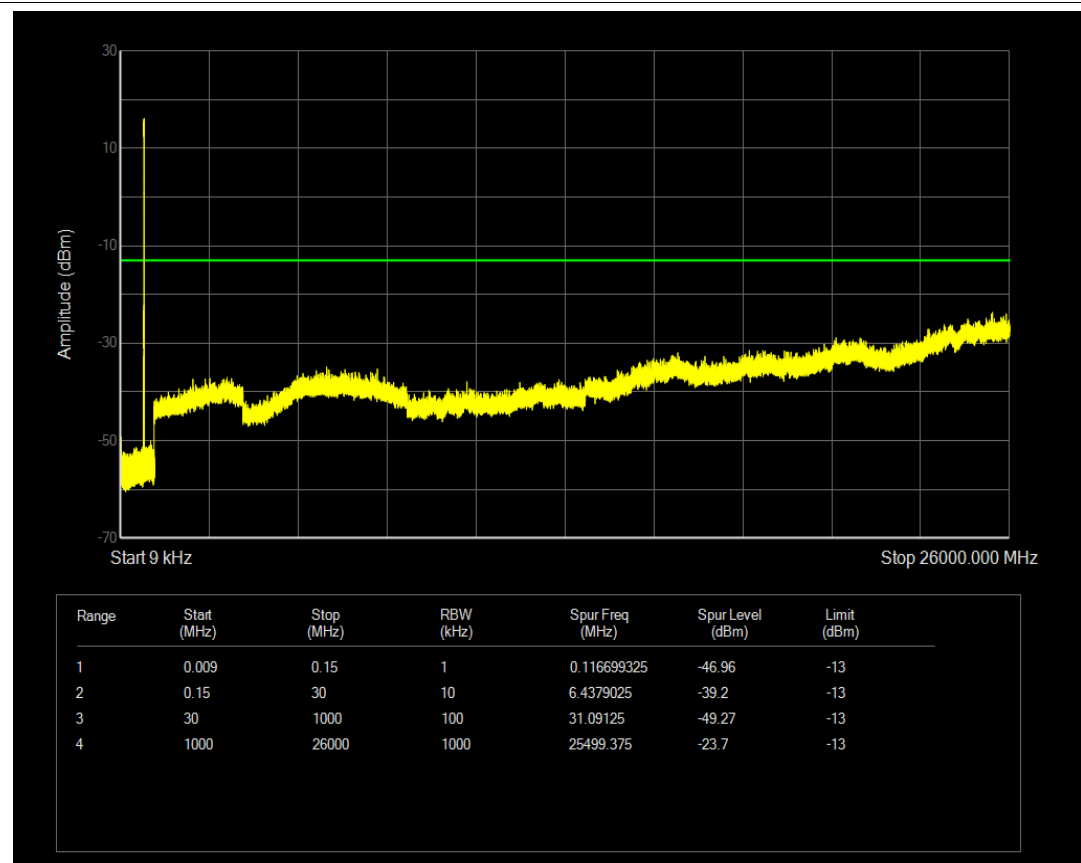


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

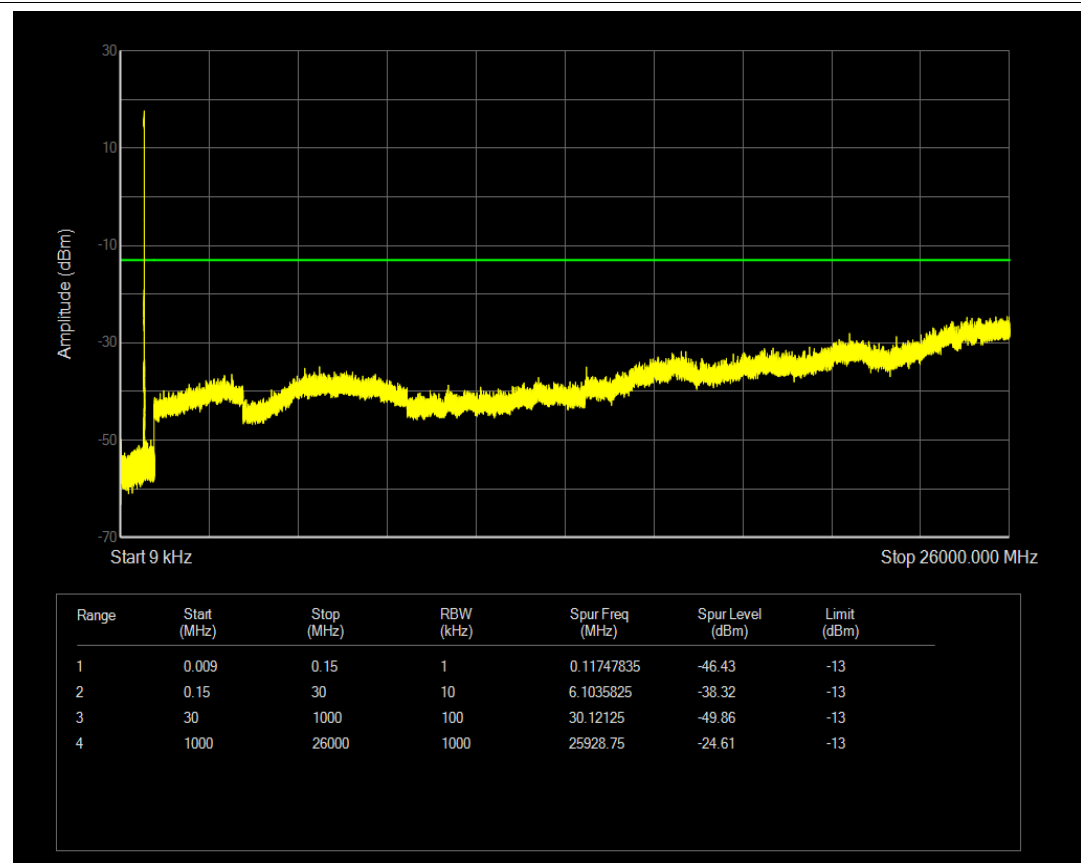


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.115761675     | -46.91           | -13         |
| 2     | 0.15        | 30         | 10        | 6.48043875      | -39.91           | -13         |
| 3     | 30          | 1000       | 100       | 30.582          | -50.18           | -13         |
| 4     | 1000        | 26000      | 1000      | 24643.125       | -24.09           | -13         |

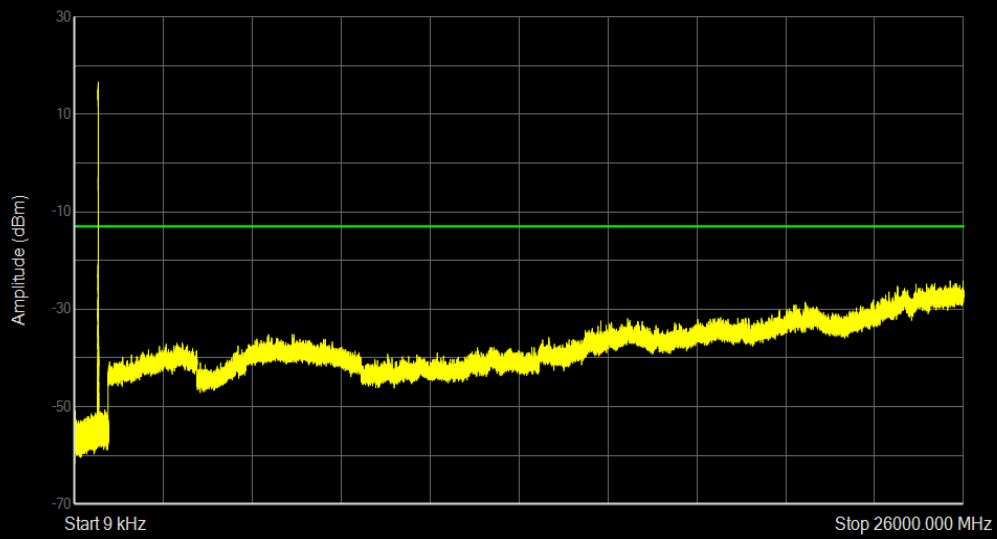
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

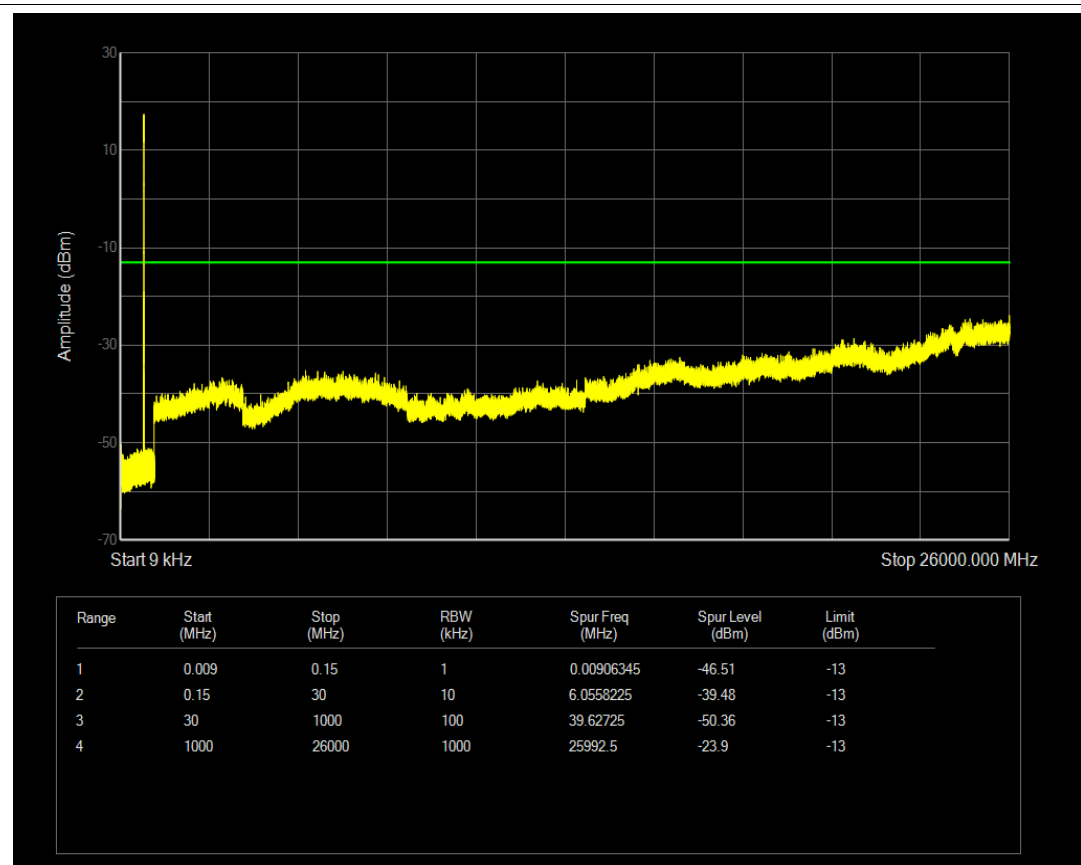


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

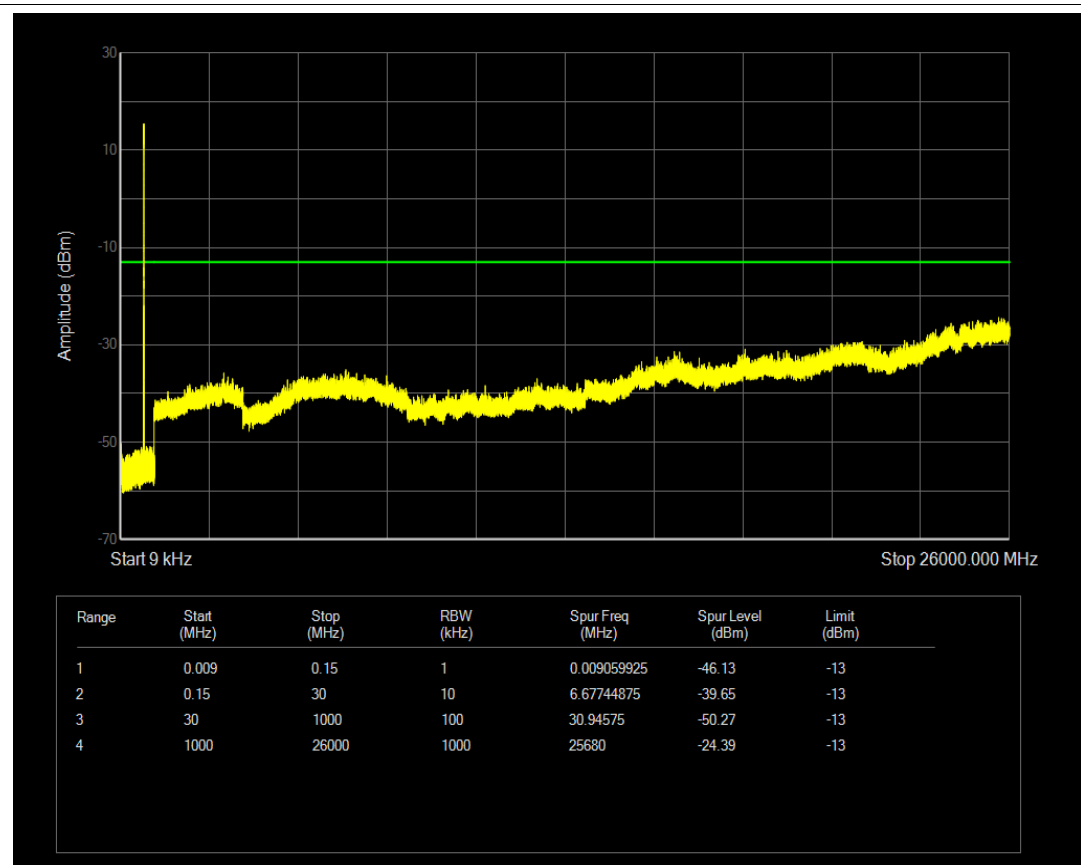


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.1152999       | -46.77           | -13         |
| 2     | 0.15        | 30         | 10        | 6.09686625      | -38.92           | -13         |
| 3     | 30          | 1000       | 100       | 902.4665        | -50.68           | -13         |
| 4     | 1000        | 26000      | 1000      | 25609.375       | -24.19           | -13         |

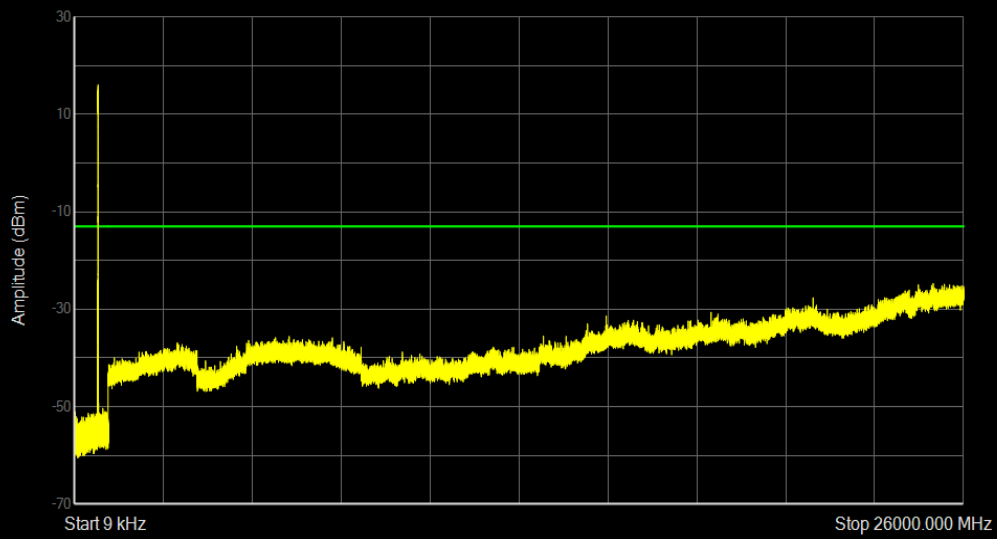
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

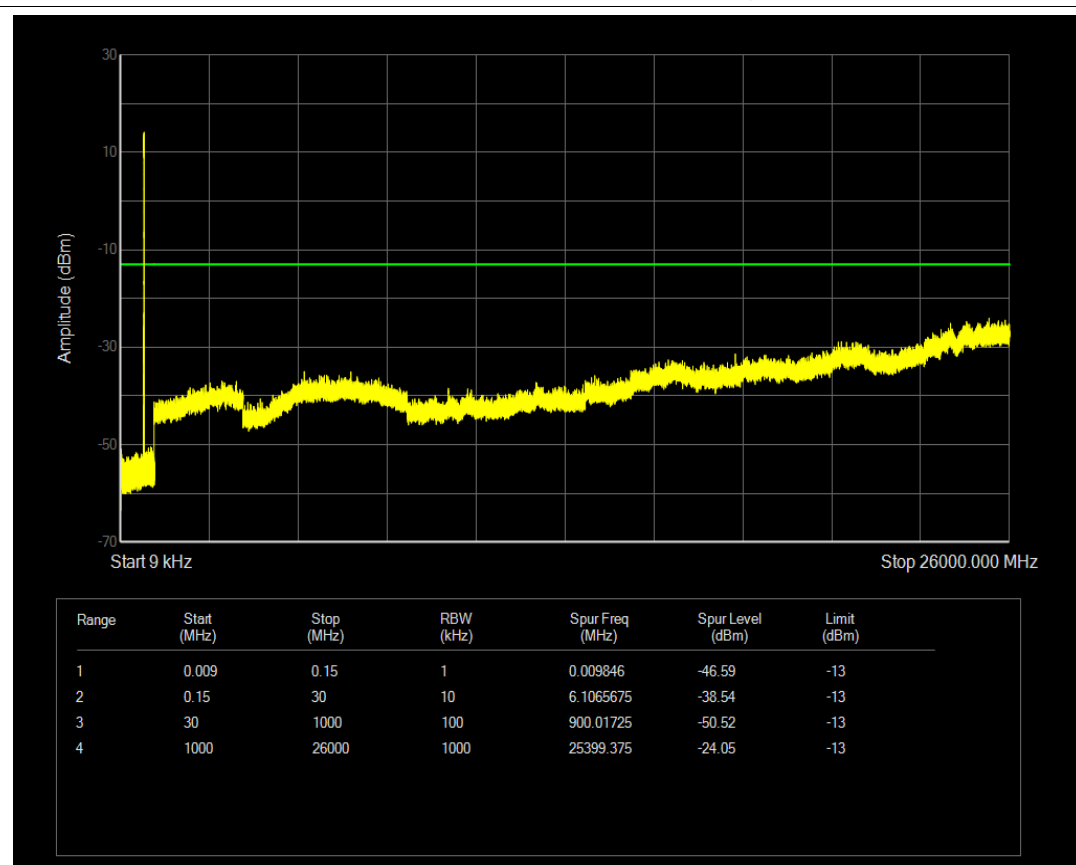


Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT

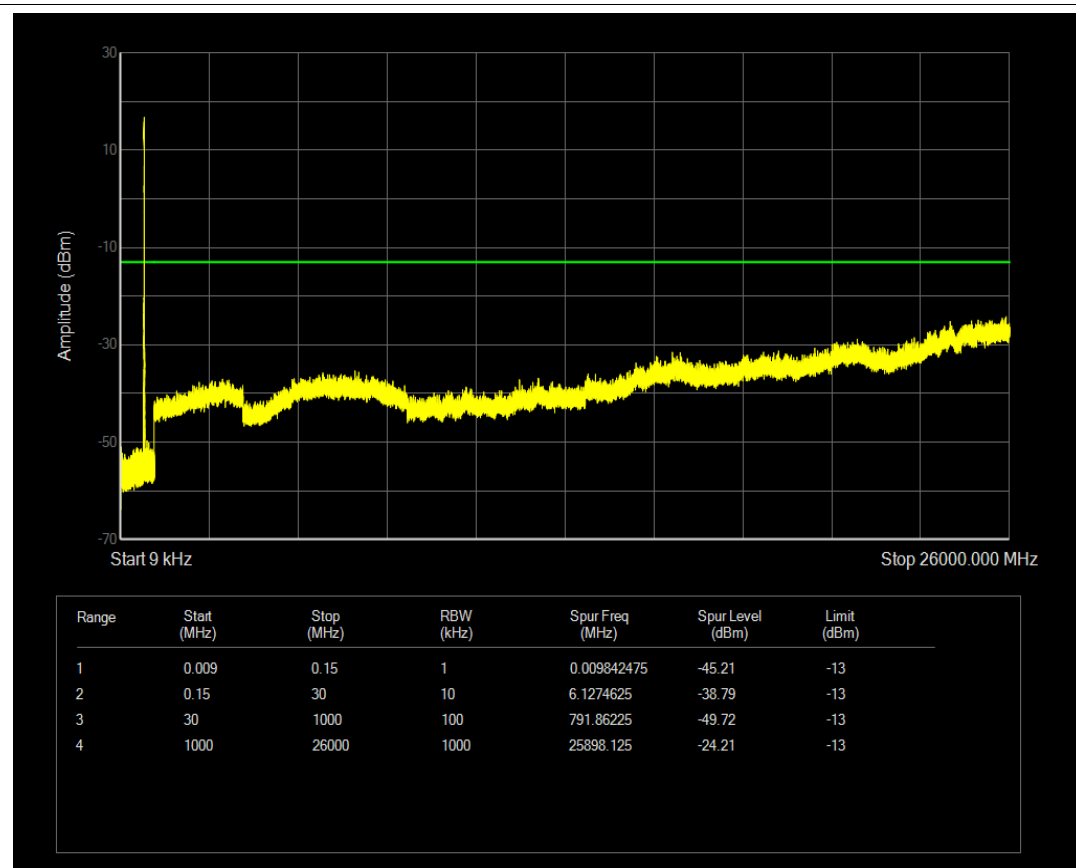


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -45.57           | -13         |
| 2     | 0.15        | 30         | 10        | 6.128955        | -39.33           | -13         |
| 3     | 30          | 1000       | 100       | 845.576         | -50.37           | -13         |
| 4     | 1000        | 26000      | 1000      | 25115           | -24.73           | -13         |

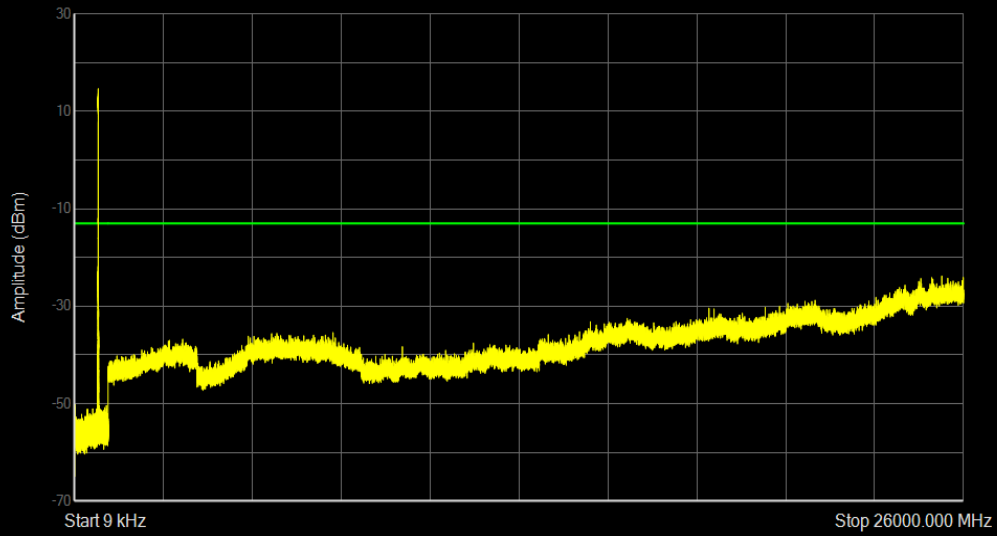
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT



Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

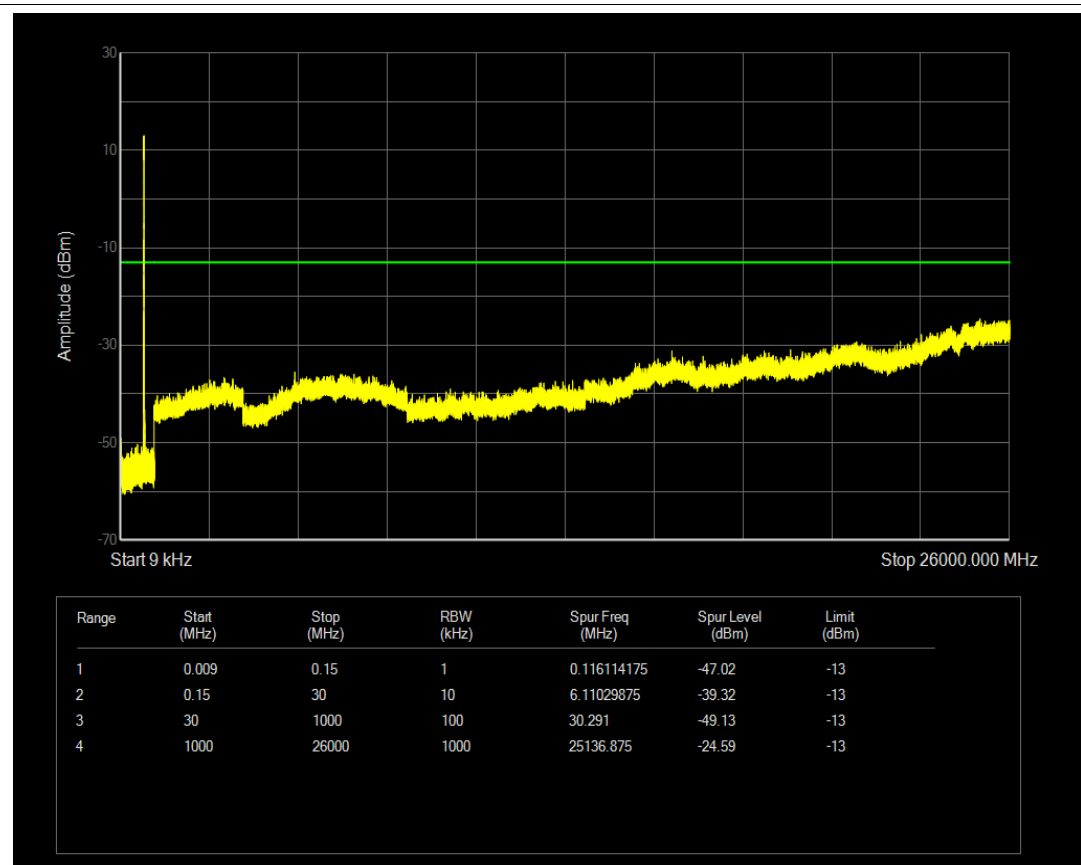


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

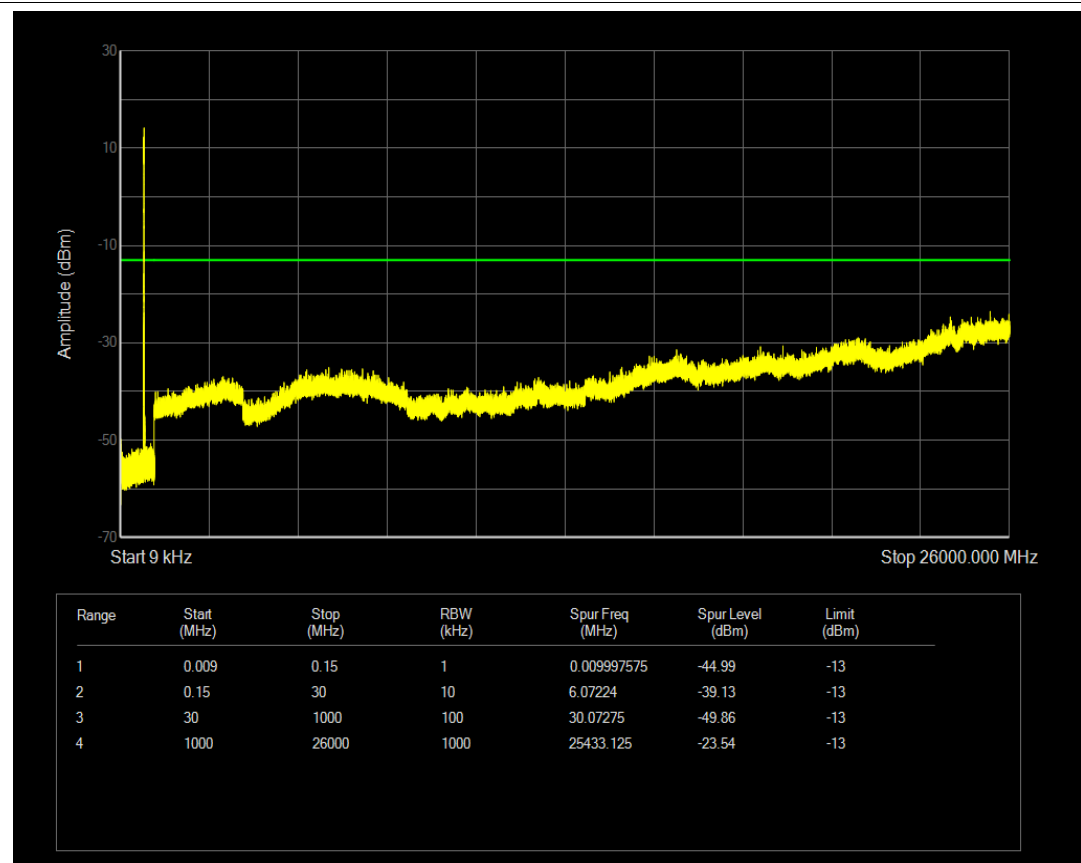


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01160145      | -46.17           | -13         |
| 2     | 0.15        | 30         | 10        | 6.1274625       | -39.07           | -13         |
| 3     | 30          | 1000       | 100       | 30.89725        | -50.18           | -13         |
| 4     | 1000        | 26000      | 1000      | 25364.375       | -23.82           | -13         |

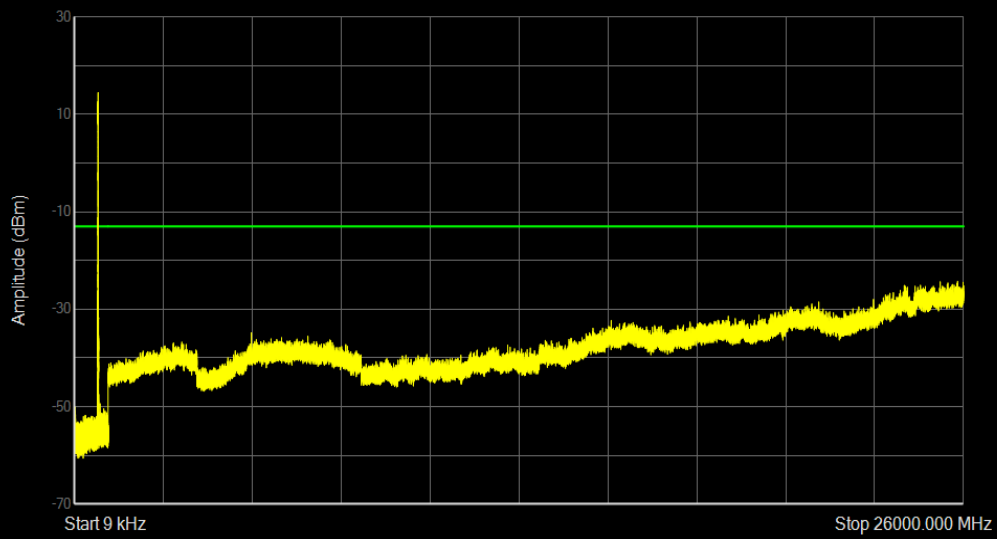
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

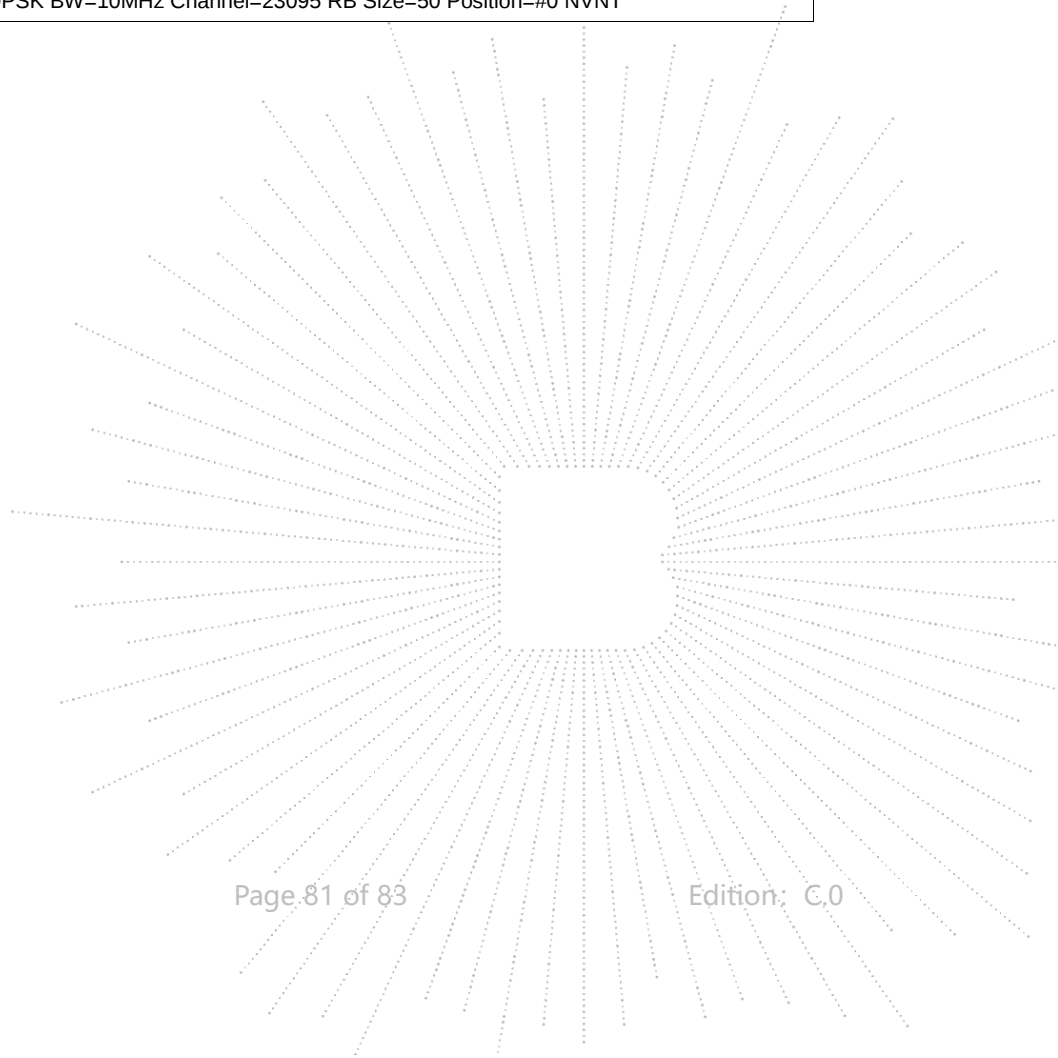


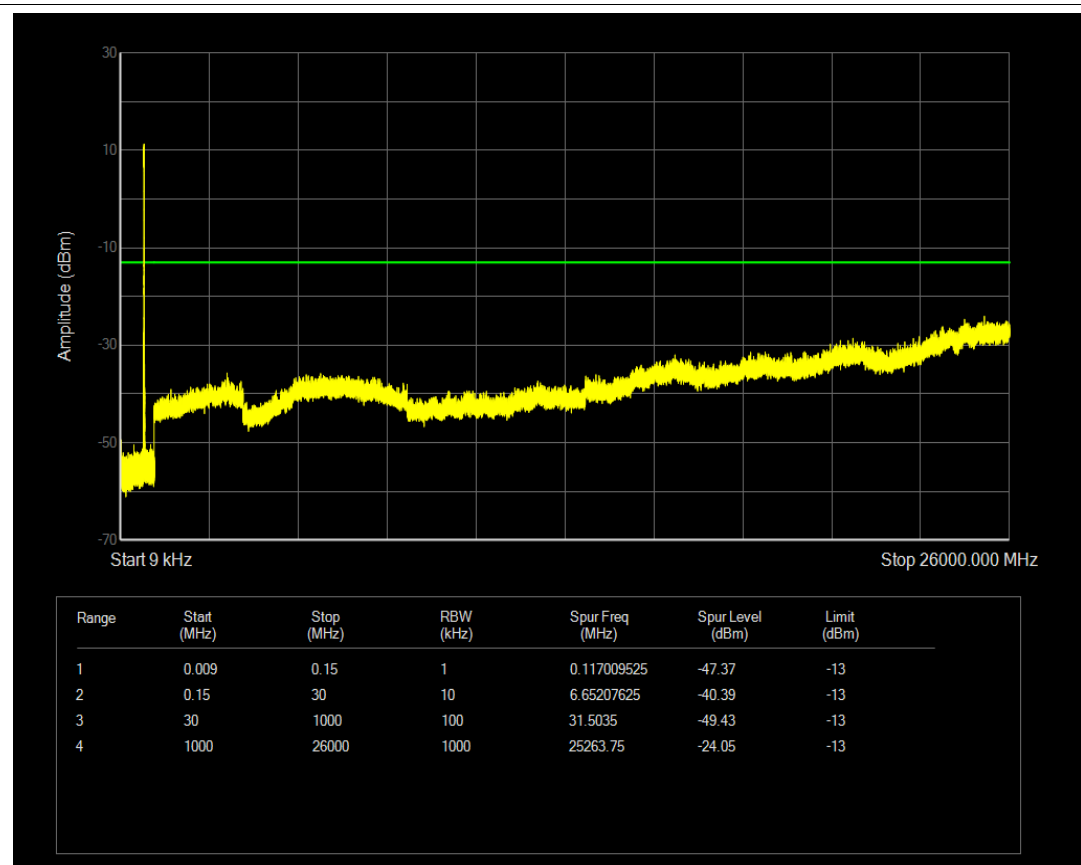
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



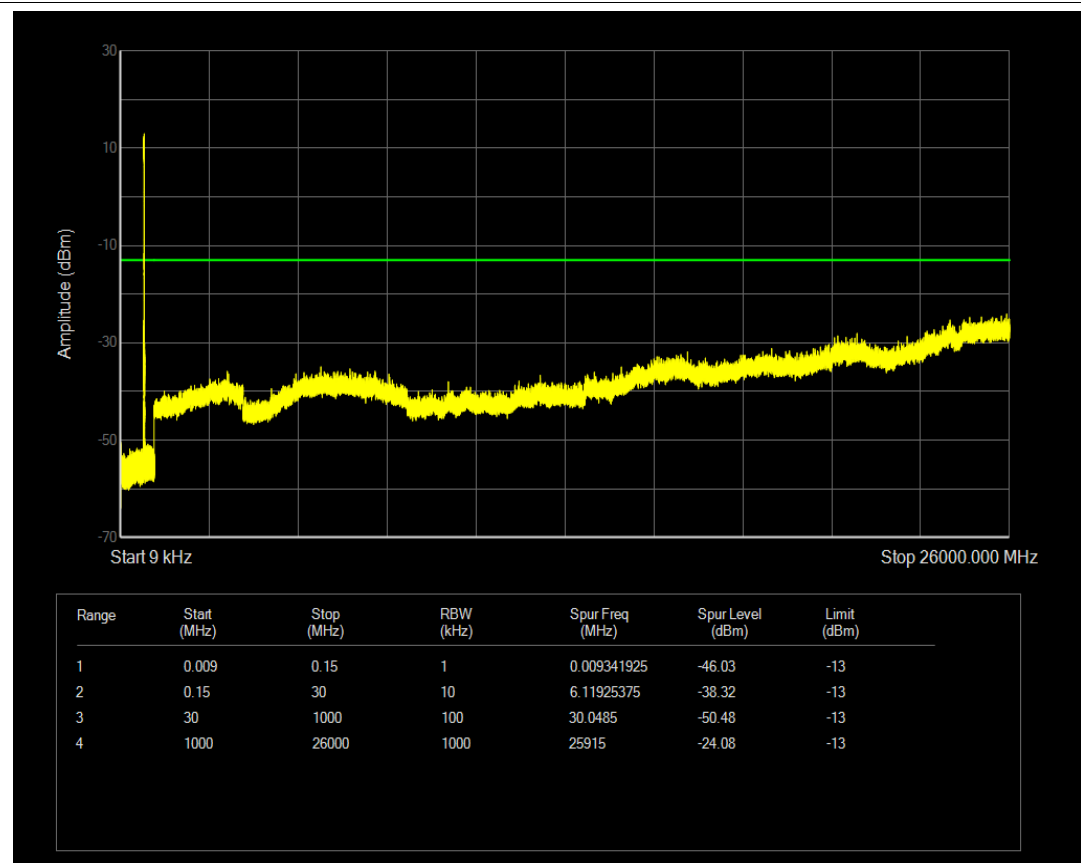
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00955695      | -46.01           | -13         |
| 2     | 0.15        | 30         | 10        | 6.49685625      | -40.13           | -13         |
| 3     | 30          | 1000       | 100       | 766.812         | -49.42           | -13         |
| 4     | 1000        | 26000      | 1000      | 25826.25        | -24.28           | -13         |

Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT

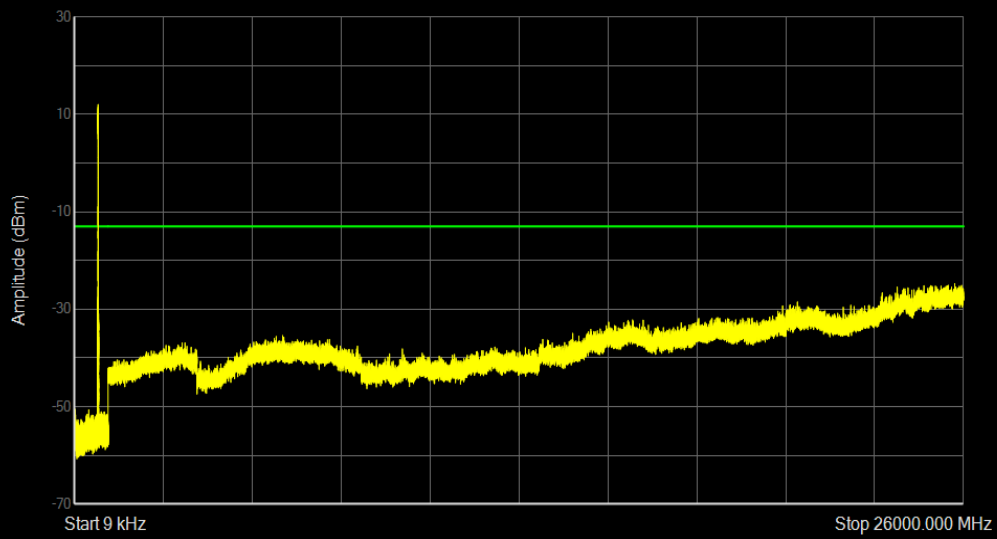




Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00924675      | -45.89           | -13         |
| 2     | 0.15        | 30         | 10        | 5.81776875      | -40.03           | -13         |
| 3     | 30          | 1000       | 100       | 30.65475        | -50.52           | -13         |
| 4     | 1000        | 26000      | 1000      | 25741.875       | -24.74           | -13         |

Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT

