

# Appendix for Band 12

Report No.: BCTC2510142481-6E

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Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY  
CO.,LTD

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Product Name: Smart Phone

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Test Model: C68

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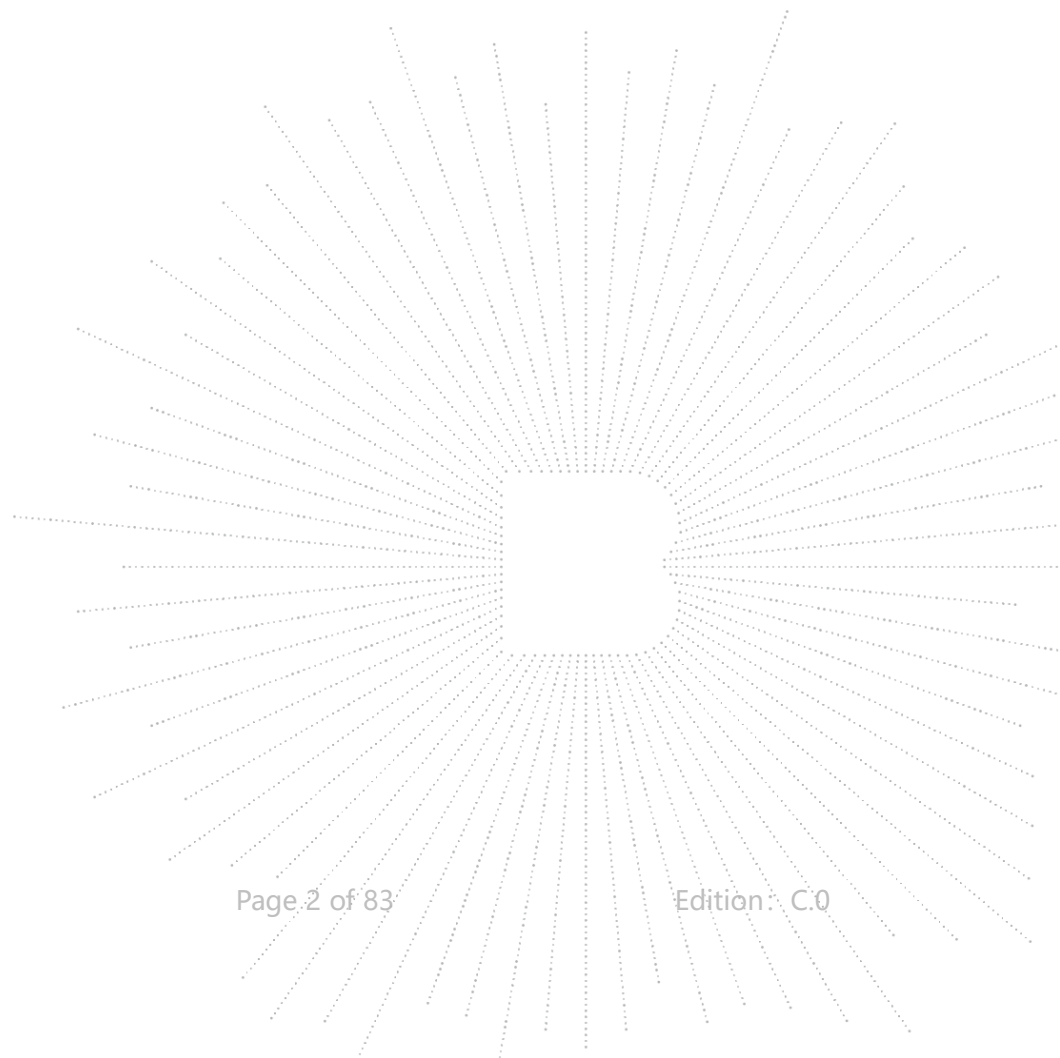
Tested Date: 2025-10-13 to 2025-11-05

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

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

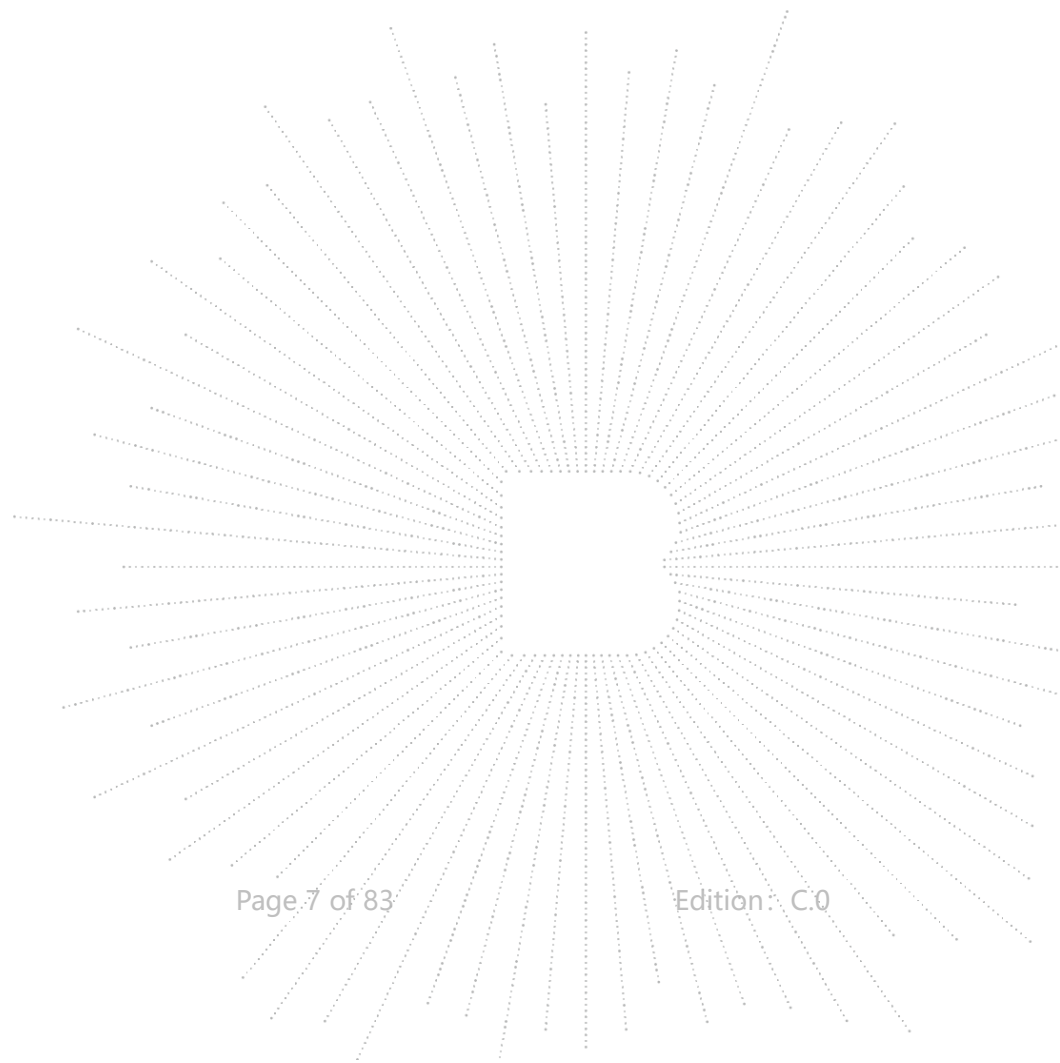
| Condition | Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Gain (dBm) | ERP (dBm) | Verdict |
|-----------|--------|-----------------|------------|---------|-------------|------------|-------------|------------|-----------|---------|
| NVNT      | Band12 | 1.4             | 23017      | 1       | #0          | QPSK       | 23.60       | -3.4       | 18.05     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Mid        | QPSK       | 23.64       | -3.4       | 18.09     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Max        | QPSK       | 23.60       | -3.4       | 18.05     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #0          | QPSK       | 23.76       | -3.4       | 18.21     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Mid        | QPSK       | 23.82       | -3.4       | 18.27     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Max        | QPSK       | 23.79       | -3.4       | 18.24     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 23.23       | -3.4       | 17.68     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #0          | 16QAM      | 23.89       | -3.4       | 18.34     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Mid        | 16QAM      | 23.81       | -3.4       | 18.26     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 1       | #Max        | 16QAM      | 23.81       | -3.4       | 18.26     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #0          | 16QAM      | 22.70       | -3.4       | 17.15     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Mid        | 16QAM      | 22.65       | -3.4       | 17.10     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 3       | #Max        | 16QAM      | 22.63       | -3.4       | 17.08     | PASS    |
| NVNT      | Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 21.57       | -3.4       | 16.02     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 23.49       | -3.4       | 17.94     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Mid        | QPSK       | 23.61       | -3.4       | 18.06     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Max        | QPSK       | 23.65       | -3.4       | 18.10     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #0          | QPSK       | 23.66       | -3.4       | 18.11     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Mid        | QPSK       | 23.65       | -3.4       | 18.10     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Max        | QPSK       | 23.56       | -3.4       | 18.01     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 23.16       | -3.4       | 17.61     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #0          | 16QAM      | 23.48       | -3.4       | 17.93     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Mid        | 16QAM      | 23.46       | -3.4       | 17.91     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 1       | #Max        | 16QAM      | 23.44       | -3.4       | 17.89     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #0          | 16QAM      | 23.05       | -3.4       | 17.50     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Mid        | 16QAM      | 23.02       | -3.4       | 17.47     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 3       | #Max        | 16QAM      | 23.00       | -3.4       | 17.45     | PASS    |
| NVNT      | Band12 | 1.4             | 23095      | 6       | #0          | 16QAM      | 22.08       | -3.4       | 16.53     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 1       | #0          | QPSK       | 23.55       | -3.4       | 18.00     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 1       | #Mid        | QPSK       | 23.65       | -3.4       | 18.10     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 1       | #Max        | QPSK       | 23.60       | -3.4       | 18.05     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 3       | #0          | QPSK       | 23.47       | -3.4       | 17.92     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 3       | #Mid        | QPSK       | 23.64       | -3.4       | 18.09     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 3       | #Max        | QPSK       | 23.62       | -3.4       | 18.07     | PASS    |
| NVNT      | Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 23.12       | -3.4       | 17.57     | PASS    |

|      |        |     |       |    |      |       |       |      |       |      |
|------|--------|-----|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 1.4 | 23173 | 1  | #0   | 16QAM | 24.30 | -3.4 | 18.75 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 1  | #Mid | 16QAM | 24.28 | -3.4 | 18.73 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 1  | #Max | 16QAM | 24.26 | -3.4 | 18.71 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 3  | #0   | 16QAM | 22.98 | -3.4 | 17.43 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 3  | #Mid | 16QAM | 22.97 | -3.4 | 17.42 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 3  | #Max | 16QAM | 22.94 | -3.4 | 17.39 | PASS |
| NVNT | Band12 | 1.4 | 23173 | 6  | #0   | 16QAM | 21.80 | -3.4 | 16.25 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #0   | QPSK  | 23.60 | -3.4 | 18.05 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 23.63 | -3.4 | 18.08 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Max | QPSK  | 23.55 | -3.4 | 18.00 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #0   | QPSK  | 23.32 | -3.4 | 17.77 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 23.11 | -3.4 | 17.56 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Max | QPSK  | 23.16 | -3.4 | 17.61 | PASS |
| NVNT | Band12 | 3   | 23025 | 15 | #0   | QPSK  | 23.05 | -3.4 | 17.50 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #0   | 16QAM | 24.15 | -3.4 | 18.60 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Mid | 16QAM | 24.13 | -3.4 | 18.58 | PASS |
| NVNT | Band12 | 3   | 23025 | 1  | #Max | 16QAM | 24.06 | -3.4 | 18.51 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #0   | 16QAM | 21.61 | -3.4 | 16.06 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Mid | 16QAM | 21.53 | -3.4 | 15.98 | PASS |
| NVNT | Band12 | 3   | 23025 | 8  | #Max | 16QAM | 21.69 | -3.4 | 16.14 | PASS |
| NVNT | Band12 | 3   | 23025 | 15 | #0   | 16QAM | 21.73 | -3.4 | 16.18 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #0   | QPSK  | 23.57 | -3.4 | 18.02 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Max | QPSK  | 23.54 | -3.4 | 17.99 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #0   | QPSK  | 22.97 | -3.4 | 17.42 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 23.26 | -3.4 | 17.71 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Max | QPSK  | 23.19 | -3.4 | 17.64 | PASS |
| NVNT | Band12 | 3   | 23095 | 15 | #0   | QPSK  | 23.23 | -3.4 | 17.68 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #0   | 16QAM | 23.77 | -3.4 | 18.22 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Mid | 16QAM | 23.79 | -3.4 | 18.24 | PASS |
| NVNT | Band12 | 3   | 23095 | 1  | #Max | 16QAM | 23.82 | -3.4 | 18.27 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #0   | 16QAM | 21.82 | -3.4 | 16.27 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Mid | 16QAM | 22.15 | -3.4 | 16.60 | PASS |
| NVNT | Band12 | 3   | 23095 | 8  | #Max | 16QAM | 22.21 | -3.4 | 16.66 | PASS |
| NVNT | Band12 | 3   | 23095 | 15 | #0   | 16QAM | 22.00 | -3.4 | 16.45 | PASS |
| NVNT | Band12 | 3   | 23165 | 1  | #0   | QPSK  | 23.64 | -3.4 | 18.09 | PASS |
| NVNT | Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 23.62 | -3.4 | 18.07 | PASS |
| NVNT | Band12 | 3   | 23165 | 1  | #Max | QPSK  | 23.69 | -3.4 | 18.14 | PASS |
| NVNT | Band12 | 3   | 23165 | 8  | #0   | QPSK  | 23.01 | -3.4 | 17.46 | PASS |
| NVNT | Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 23.04 | -3.4 | 17.49 | PASS |
| NVNT | Band12 | 3   | 23165 | 8  | #Max | QPSK  | 23.11 | -3.4 | 17.56 | PASS |
| NVNT | Band12 | 3   | 23165 | 15 | #0   | QPSK  | 23.14 | -3.4 | 17.59 | PASS |

|      |        |   |       |    |      |       |       |      |       |      |
|------|--------|---|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 3 | 23165 | 1  | #0   | 16QAM | 24.05 | -3.4 | 18.50 | PASS |
| NVNT | Band12 | 3 | 23165 | 1  | #Mid | 16QAM | 24.00 | -3.4 | 18.45 | PASS |
| NVNT | Band12 | 3 | 23165 | 1  | #Max | 16QAM | 23.93 | -3.4 | 18.38 | PASS |
| NVNT | Band12 | 3 | 23165 | 8  | #0   | 16QAM | 21.68 | -3.4 | 16.13 | PASS |
| NVNT | Band12 | 3 | 23165 | 8  | #Mid | 16QAM | 21.64 | -3.4 | 16.09 | PASS |
| NVNT | Band12 | 3 | 23165 | 8  | #Max | 16QAM | 21.59 | -3.4 | 16.04 | PASS |
| NVNT | Band12 | 3 | 23165 | 15 | #0   | 16QAM | 21.68 | -3.4 | 16.13 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #0   | QPSK  | 23.58 | -3.4 | 18.03 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 23.58 | -3.4 | 18.03 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Max | QPSK  | 23.54 | -3.4 | 17.99 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #0   | QPSK  | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 23.19 | -3.4 | 17.64 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Max | QPSK  | 23.15 | -3.4 | 17.60 | PASS |
| NVNT | Band12 | 5 | 23035 | 25 | #0   | QPSK  | 23.23 | -3.4 | 17.68 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #0   | 16QAM | 23.31 | -3.4 | 17.76 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Mid | 16QAM | 23.33 | -3.4 | 17.78 | PASS |
| NVNT | Band12 | 5 | 23035 | 1  | #Max | 16QAM | 23.33 | -3.4 | 17.78 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #0   | 16QAM | 21.55 | -3.4 | 16.00 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Mid | 16QAM | 21.65 | -3.4 | 16.10 | PASS |
| NVNT | Band12 | 5 | 23035 | 12 | #Max | 16QAM | 21.68 | -3.4 | 16.13 | PASS |
| NVNT | Band12 | 5 | 23035 | 25 | #0   | 16QAM | 21.81 | -3.4 | 16.26 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #0   | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 23.58 | -3.4 | 18.03 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Max | QPSK  | 23.53 | -3.4 | 17.98 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #0   | QPSK  | 23.10 | -3.4 | 17.55 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 23.13 | -3.4 | 17.58 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Max | QPSK  | 23.08 | -3.4 | 17.53 | PASS |
| NVNT | Band12 | 5 | 23095 | 25 | #0   | QPSK  | 23.16 | -3.4 | 17.61 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #0   | 16QAM | 22.83 | -3.4 | 17.28 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Mid | 16QAM | 22.78 | -3.4 | 17.23 | PASS |
| NVNT | Band12 | 5 | 23095 | 1  | #Max | 16QAM | 22.81 | -3.4 | 17.26 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #0   | 16QAM | 21.47 | -3.4 | 15.92 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Mid | 16QAM | 21.79 | -3.4 | 16.24 | PASS |
| NVNT | Band12 | 5 | 23095 | 12 | #Max | 16QAM | 21.79 | -3.4 | 16.24 | PASS |
| NVNT | Band12 | 5 | 23095 | 25 | #0   | 16QAM | 22.06 | -3.4 | 16.51 | PASS |
| NVNT | Band12 | 5 | 23155 | 1  | #0   | QPSK  | 23.53 | -3.4 | 17.98 | PASS |
| NVNT | Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 23.54 | -3.4 | 17.99 | PASS |
| NVNT | Band12 | 5 | 23155 | 1  | #Max | QPSK  | 23.53 | -3.4 | 17.98 | PASS |
| NVNT | Band12 | 5 | 23155 | 12 | #0   | QPSK  | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 23.09 | -3.4 | 17.54 | PASS |
| NVNT | Band12 | 5 | 23155 | 12 | #Max | QPSK  | 23.16 | -3.4 | 17.61 | PASS |
| NVNT | Band12 | 5 | 23155 | 25 | #0   | QPSK  | 22.98 | -3.4 | 17.43 | PASS |

|      |        |    |       |    |      |       |       |      |       |      |
|------|--------|----|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 5  | 23155 | 1  | #0   | 16QAM | 23.24 | -3.4 | 17.69 | PASS |
| NVNT | Band12 | 5  | 23155 | 1  | #Mid | 16QAM | 23.01 | -3.4 | 17.46 | PASS |
| NVNT | Band12 | 5  | 23155 | 1  | #Max | 16QAM | 23.01 | -3.4 | 17.46 | PASS |
| NVNT | Band12 | 5  | 23155 | 12 | #0   | 16QAM | 21.92 | -3.4 | 16.37 | PASS |
| NVNT | Band12 | 5  | 23155 | 12 | #Mid | 16QAM | 21.59 | -3.4 | 16.04 | PASS |
| NVNT | Band12 | 5  | 23155 | 12 | #Max | 16QAM | 21.55 | -3.4 | 16.00 | PASS |
| NVNT | Band12 | 5  | 23155 | 25 | #0   | 16QAM | 21.57 | -3.4 | 16.02 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #0   | QPSK  | 23.74 | -3.4 | 18.19 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 23.65 | -3.4 | 18.10 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Max | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #0   | QPSK  | 23.17 | -3.4 | 17.62 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 23.12 | -3.4 | 17.57 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Max | QPSK  | 23.24 | -3.4 | 17.69 | PASS |
| NVNT | Band12 | 10 | 23060 | 50 | #0   | QPSK  | 23.23 | -3.4 | 17.68 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #0   | 16QAM | 24.24 | -3.4 | 18.69 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Mid | 16QAM | 24.24 | -3.4 | 18.69 | PASS |
| NVNT | Band12 | 10 | 23060 | 1  | #Max | 16QAM | 24.08 | -3.4 | 18.53 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #0   | 16QAM | 21.68 | -3.4 | 16.13 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Mid | 16QAM | 21.69 | -3.4 | 16.14 | PASS |
| NVNT | Band12 | 10 | 23060 | 25 | #Max | 16QAM | 21.59 | -3.4 | 16.04 | PASS |
| NVNT | Band12 | 10 | 23060 | 50 | #0   | 16QAM | 21.77 | -3.4 | 16.22 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #0   | QPSK  | 23.67 | -3.4 | 18.12 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 23.70 | -3.4 | 18.15 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Max | QPSK  | 23.64 | -3.4 | 18.09 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #0   | QPSK  | 23.04 | -3.4 | 17.49 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 23.20 | -3.4 | 17.65 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Max | QPSK  | 23.04 | -3.4 | 17.49 | PASS |
| NVNT | Band12 | 10 | 23095 | 50 | #0   | QPSK  | 23.20 | -3.4 | 17.65 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #0   | 16QAM | 23.10 | -3.4 | 17.55 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Mid | 16QAM | 23.13 | -3.4 | 17.58 | PASS |
| NVNT | Band12 | 10 | 23095 | 1  | #Max | 16QAM | 23.38 | -3.4 | 17.83 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #0   | 16QAM | 21.70 | -3.4 | 16.15 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Mid | 16QAM | 22.07 | -3.4 | 16.52 | PASS |
| NVNT | Band12 | 10 | 23095 | 25 | #Max | 16QAM | 21.98 | -3.4 | 16.43 | PASS |
| NVNT | Band12 | 10 | 23095 | 50 | #0   | 16QAM | 22.08 | -3.4 | 16.53 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #0   | QPSK  | 23.59 | -3.4 | 18.04 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 23.57 | -3.4 | 18.02 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Max | QPSK  | 23.63 | -3.4 | 18.08 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #0   | QPSK  | 23.17 | -3.4 | 17.62 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 22.99 | -3.4 | 17.44 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Max | QPSK  | 23.05 | -3.4 | 17.50 | PASS |
| NVNT | Band12 | 10 | 23130 | 50 | #0   | QPSK  | 23.10 | -3.4 | 17.55 | PASS |

|      |        |    |       |    |      |       |       |      |       |      |
|------|--------|----|-------|----|------|-------|-------|------|-------|------|
| NVNT | Band12 | 10 | 23130 | 1  | #0   | 16QAM | 23.03 | -3.4 | 17.48 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Mid | 16QAM | 23.03 | -3.4 | 17.48 | PASS |
| NVNT | Band12 | 10 | 23130 | 1  | #Max | 16QAM | 23.03 | -3.4 | 17.48 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #0   | 16QAM | 22.02 | -3.4 | 16.47 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Mid | 16QAM | 21.98 | -3.4 | 16.43 | PASS |
| NVNT | Band12 | 10 | 23130 | 25 | #Max | 16QAM | 21.62 | -3.4 | 16.07 | PASS |
| NVNT | Band12 | 10 | 23130 | 50 | #0   | 16QAM | 21.98 | -3.4 | 16.43 | 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              | 19.57       | 0.028        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | NV            | NT              | 29.00       | 0.041        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | QPSK       | HV            | NT              | 38.37       | 0.055        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | LV            | NT              | 44.50       | 0.064        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | NV            | NT              | 47.98       | 0.069        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23017      | 6       | #0          | 16QAM      | HV            | NT              | 49.78       | 0.071        | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | QPSK       | LV            | NT              | -0.82       | -0.001       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | QPSK       | NV            | NT              | -1.02       | -0.001       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | QPSK       | HV            | NT              | -1.57       | -0.002       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | 16QAM      | LV            | NT              | -1.75       | -0.002       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | 16QAM      | NV            | NT              | -3.66       | -0.005       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23095      | 6       | #0          | 16QAM      | HV            | NT              | -4.76       | -0.007       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | QPSK       | LV            | NT              | -2.12       | -0.003       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | QPSK       | NV            | NT              | -3.60       | -0.005       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | QPSK       | HV            | NT              | -5.21       | -0.007       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | 16QAM      | LV            | NT              | -7.97       | -0.011       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | 16QAM      | NV            | NT              | -9.86       | -0.014       | PASS    |
| NVNT      | Band1<br>2 | 1.4             | 23173      | 6       | #0          | 16QAM      | HV            | NT              | -12.13      | -0.017       | PASS    |
| NVNT      | Band1<br>2 | 3               | 23025      | 15      | #0          | QPSK       | LV            | NT              | 9.56        | 0.014        | PASS    |

|      |            |   |       |    |    |       |    |    |        |        |      |
|------|------------|---|-------|----|----|-------|----|----|--------|--------|------|
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | NV | NT | 22.53  | 0.032  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | HV | NT | 30.90  | 0.044  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | LV | NT | 36.35  | 0.052  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | NT | 37.79  | 0.054  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | HV | NT | 38.01  | 0.054  | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | LV | NT | 0.93   | 0.001  | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | NT | 0.60   | 0.001  | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | HV | NT | -1.23  | -0.002 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | LV | NT | -3.75  | -0.005 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | NT | -7.01  | -0.010 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | HV | NT | -8.70  | -0.012 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | LV | NT | 1.63   | 0.002  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | NT | -0.43  | -0.001 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | HV | NT | -2.76  | -0.004 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | LV | NT | -6.27  | -0.009 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | NT | -9.98  | -0.014 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | HV | NT | -15.01 | -0.021 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | LV | NT | 14.66  | 0.021  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | NT | 28.92  | 0.041  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | HV | NT | 37.09  | 0.053  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | LV | NT | 40.98  | 0.058  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | NT | 40.73  | 0.058  | PASS |

|      |            |    |       |    |    |       |    |    |        |        |      |
|------|------------|----|-------|----|----|-------|----|----|--------|--------|------|
|      | 2          |    |       |    |    |       |    |    |        |        |      |
| NVNT | Band1<br>2 | 5  | 23035 | 25 | #0 | 16QAM | HV | NT | 39.04  | 0.056  | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | QPSK  | LV | NT | -0.94  | -0.001 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | QPSK  | NV | NT | -3.73  | -0.005 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | QPSK  | HV | NT | -6.34  | -0.009 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | 16QAM | LV | NT | -8.73  | -0.012 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | 16QAM | NV | NT | -12.07 | -0.017 | PASS |
| NVNT | Band1<br>2 | 5  | 23095 | 25 | #0 | 16QAM | HV | NT | -14.15 | -0.020 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | QPSK  | LV | NT | -8.10  | -0.011 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | QPSK  | NV | NT | -10.29 | -0.014 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | QPSK  | HV | NT | -12.97 | -0.018 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | LV | NT | -17.58 | -0.025 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | NT | -23.73 | -0.033 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | HV | NT | -27.82 | -0.039 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | LV | NT | 15.21  | 0.022  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | NT | 31.16  | 0.044  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | HV | NT | 39.58  | 0.056  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | LV | NT | 41.20  | 0.059  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | NT | 39.40  | 0.056  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | HV | NT | 36.81  | 0.052  | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | LV | NT | -8.05  | -0.011 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | NT | -10.11 | -0.014 | PASS |

|      |            |     |       |    |    |       |    |     |        |        |      |
|------|------------|-----|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 10  | 23095 | 50 | #0 | QPSK  | HV | NT  | -14.95 | -0.021 | PASS |
| NVNT | Band1<br>2 | 10  | 23095 | 50 | #0 | 16QAM | LV | NT  | -20.56 | -0.029 | PASS |
| NVNT | Band1<br>2 | 10  | 23095 | 50 | #0 | 16QAM | NV | NT  | -25.16 | -0.036 | PASS |
| NVNT | Band1<br>2 | 10  | 23095 | 50 | #0 | 16QAM | HV | NT  | -28.51 | -0.040 | PASS |
| NVNT | Band1<br>2 | 10  | 23130 | 50 | #0 | QPSK  | LV | NT  | -1.03  | -0.001 | PASS |
| NVNT | Band1<br>2 | 10  | 23130 | 50 | #0 | QPSK  | NV | NT  | -3.30  | -0.005 | PASS |
| NVNT | Band1<br>2 | 10  | 23130 | 50 | #0 | QPSK  | HV | NT  | -6.55  | -0.009 | PASS |
| NVNT | Band1<br>2 | 10  | 23130 | 50 | #0 | 16QAM | LV | NT  | -11.56 | -0.016 | PASS |
| NVNT | Band1<br>2 | 10  | 23130 | 50 | #0 | 16QAM | NV | NT  | -16.78 | -0.024 | PASS |
| NVNT | Band1<br>2 | 10  | 23130 | 50 | #0 | 16QAM | HV | NT  | -21.16 | -0.030 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | -30 | -42.10 | -0.060 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | -20 | -10.04 | -0.014 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | 0   | -29.51 | -0.042 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | 10  | -8.88  | -0.013 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | 20  | -38.01 | -0.054 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | 30  | -21.66 | -0.031 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | 40  | -41.23 | -0.059 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | QPSK  | NV | 50  | -26.45 | -0.038 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | 16QAM | NV | -30 | -17.92 | -0.026 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | 16QAM | NV | -20 | -47.72 | -0.068 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | 16QAM | NV | 0   | -23.53 | -0.034 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6  | #0 | 16QAM | NV | 10  | -35.29 | -0.050 | PASS |

|      |            |     |       |   |    |       |    |     |        |        |      |
|------|------------|-----|-------|---|----|-------|----|-----|--------|--------|------|
|      | 2          |     |       |   |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 20  | -28.58 | -0.041 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 30  | -25.72 | -0.037 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 40  | -29.38 | -0.042 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 50  | -50.45 | -0.072 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -30 | -35.86 | -0.051 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -20 | -5.76  | -0.008 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 0   | -26.35 | -0.037 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 10  | -44.29 | -0.063 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 20  | -12.42 | -0.018 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 30  | -29.77 | -0.042 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 40  | -43.69 | -0.062 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 50  | -6.77  | -0.010 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -30 | -22.36 | -0.032 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -20 | -34.48 | -0.049 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 0   | -47.09 | -0.067 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 10  | -13.25 | -0.019 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 20  | -23.40 | -0.033 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 30  | -31.27 | -0.044 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 40  | -39.61 | -0.056 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 50  | -48.42 | -0.068 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | -30 | -20.89 | -0.029 | PASS |

|      |            |     |       |    |    |       |    |     |        |        |      |
|------|------------|-----|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | -20 | -30.56 | -0.043 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 0   | -40.56 | -0.057 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 10  | -3.96  | -0.006 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 20  | -17.75 | -0.025 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 30  | -31.30 | -0.044 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 40  | -45.02 | -0.063 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | QPSK  | NV | 50  | -12.59 | -0.018 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | -30 | -27.67 | -0.039 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | -20 | -39.32 | -0.055 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 0   | -49.12 | -0.069 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 10  | -3.88  | -0.005 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 20  | -12.12 | -0.017 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 30  | -19.58 | -0.027 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 40  | -27.41 | -0.038 | PASS |
| NVNT | Band1<br>2 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 50  | -33.37 | -0.047 | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | -30 | 10.94  | 0.016  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | -20 | 20.93  | 0.030  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 0   | 25.96  | 0.037  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 10  | 27.77  | 0.040  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 20  | 26.36  | 0.038  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 30  | 21.90  | 0.031  | PASS |
| NVNT | Band1<br>2 | 3   | 23025 | 15 | #0 | QPSK  | NV | 40  | 12.96  | 0.019  | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
|      | 2          |   |       |    |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | QPSK  | NV | 50  | 5.34   | 0.008  | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | -30 | -3.25  | -0.005 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | -20 | -9.07  | -0.013 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 0   | -16.51 | -0.024 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 10  | -22.00 | -0.031 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 20  | -27.27 | -0.039 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 30  | -31.73 | -0.045 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 40  | -35.89 | -0.051 | PASS |
| NVNT | Band1<br>2 | 3 | 23025 | 15 | #0 | 16QAM | NV | 50  | -40.80 | -0.058 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | -30 | -11.73 | -0.017 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | -20 | -15.22 | -0.022 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 0   | -20.41 | -0.029 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 10  | -26.84 | -0.038 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 20  | -34.26 | -0.048 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 30  | -41.57 | -0.059 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 40  | -48.57 | -0.069 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | QPSK  | NV | 50  | -0.62  | -0.001 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | -30 | -6.52  | -0.009 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | -20 | -13.29 | -0.019 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 0   | -18.22 | -0.026 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 10  | -21.99 | -0.031 | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 20  | -25.06 | -0.035 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 30  | -26.74 | -0.038 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 40  | -28.20 | -0.040 | PASS |
| NVNT | Band1<br>2 | 3 | 23095 | 15 | #0 | 16QAM | NV | 50  | -28.00 | -0.040 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | -30 | 1.39   | 0.002  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | -20 | 3.93   | 0.006  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 0   | 2.10   | 0.003  | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 10  | -1.62  | -0.002 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 20  | -7.74  | -0.011 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 30  | -15.51 | -0.022 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 40  | -24.06 | -0.034 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | QPSK  | NV | 50  | -30.53 | -0.043 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | -30 | -38.27 | -0.054 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | -20 | -44.09 | -0.062 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 0   | -1.96  | -0.003 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 10  | -6.61  | -0.009 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 20  | -10.97 | -0.015 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 30  | -14.59 | -0.020 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 40  | -18.27 | -0.026 | PASS |
| NVNT | Band1<br>2 | 3 | 23165 | 15 | #0 | 16QAM | NV | 50  | -20.36 | -0.028 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | -30 | 1.75   | 0.002  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | -20 | 6.94   | 0.010  | PASS |

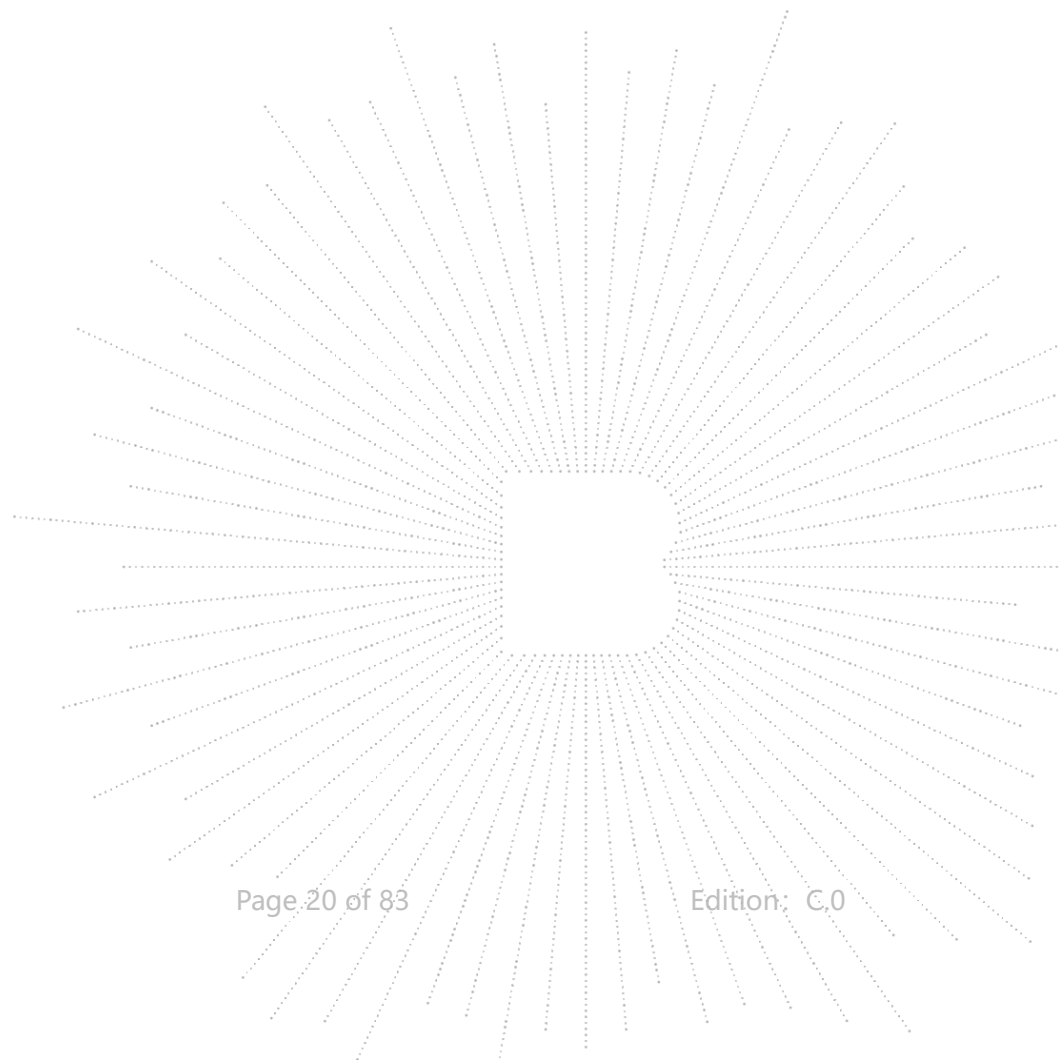
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|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
|      | 2          |   |       |    |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 0   | 12.36  | 0.018  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 10  | 11.50  | 0.016  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 20  | 9.94   | 0.014  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 30  | 7.12   | 0.010  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 40  | 1.42   | 0.002  | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | QPSK  | NV | 50  | -4.39  | -0.006 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | -30 | -9.71  | -0.014 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | -20 | -13.78 | -0.020 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 0   | -17.27 | -0.025 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 10  | -19.76 | -0.028 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 20  | -21.84 | -0.031 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 30  | -23.23 | -0.033 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 40  | -24.48 | -0.035 | PASS |
| NVNT | Band1<br>2 | 5 | 23035 | 25 | #0 | 16QAM | NV | 50  | -25.21 | -0.036 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | -30 | -6.02  | -0.009 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | -20 | -4.84  | -0.007 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 0   | -5.91  | -0.008 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 10  | -8.30  | -0.012 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 20  | -10.99 | -0.016 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 30  | -14.00 | -0.020 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 40  | -16.65 | -0.024 | PASS |

|      |            |   |       |    |    |       |    |     |        |        |      |
|------|------------|---|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | QPSK  | NV | 50  | -21.49 | -0.030 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | -30 | -26.82 | -0.038 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | -20 | -29.71 | -0.042 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 0   | -32.39 | -0.046 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 10  | -33.90 | -0.048 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 20  | -33.90 | -0.048 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 30  | -34.55 | -0.049 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 40  | -34.09 | -0.048 | PASS |
| NVNT | Band1<br>2 | 5 | 23095 | 25 | #0 | 16QAM | NV | 50  | -32.56 | -0.046 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | -30 | 3.38   | 0.005  | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | -20 | 5.71   | 0.008  | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 0   | 3.69   | 0.005  | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 10  | -0.11  | 0.000  | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 20  | -5.79  | -0.008 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 30  | -11.96 | -0.017 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 40  | -18.70 | -0.026 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | QPSK  | NV | 50  | -26.54 | -0.037 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | -30 | -36.05 | -0.051 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | -20 | -43.23 | -0.061 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | 0   | -7.72  | -0.011 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | 10  | -11.59 | -0.016 | PASS |
| NVNT | Band1<br>2 | 5 | 23155 | 25 | #0 | 16QAM | NV | 20  | -14.25 | -0.020 | PASS |

|      |            |    |       |    |    |       |    |     |        |        |      |
|------|------------|----|-------|----|----|-------|----|-----|--------|--------|------|
|      | 2          |    |       |    |    |       |    |     |        |        |      |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 30  | -15.26 | -0.021 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 40  | -15.74 | -0.022 | PASS |
| NVNT | Band1<br>2 | 5  | 23155 | 25 | #0 | 16QAM | NV | 50  | -16.35 | -0.023 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | -30 | 21.76  | 0.031  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | -20 | 40.54  | 0.058  | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 0   | -3.83  | -0.005 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 10  | -3.35  | -0.005 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 20  | -7.58  | -0.011 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 30  | -15.51 | -0.022 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 40  | -25.01 | -0.036 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | QPSK  | NV | 50  | -33.99 | -0.048 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | -30 | -42.36 | -0.060 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | -20 | -45.43 | -0.065 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 0   | -48.38 | -0.069 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 10  | -50.48 | -0.072 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 20  | -48.52 | -0.069 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 30  | -47.02 | -0.067 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 40  | -46.03 | -0.065 | PASS |
| NVNT | Band1<br>2 | 10 | 23060 | 50 | #0 | 16QAM | NV | 50  | -45.56 | -0.065 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | -30 | -7.42  | -0.010 | PASS |
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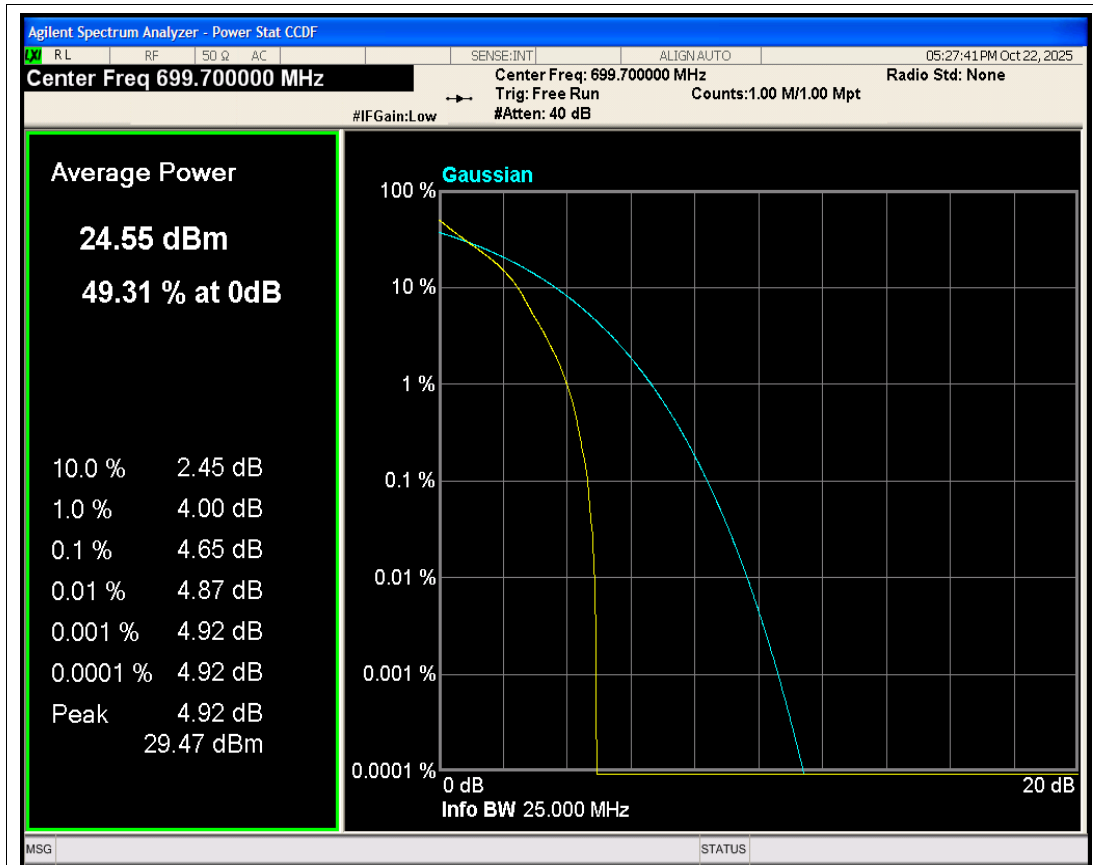
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|------|------------|----|-------|----|----|-------|----|-----|--------|--------|------|
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 0   | -12.36 | -0.017 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 10  | -18.00 | -0.025 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 20  | -23.47 | -0.033 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 30  | -30.18 | -0.043 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 40  | -38.15 | -0.054 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | QPSK  | NV | 50  | -44.36 | -0.063 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | -30 | -0.09  | 0.000  | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | -20 | -3.95  | -0.006 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 0   | -5.81  | -0.008 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 10  | -5.11  | -0.007 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 20  | -4.63  | -0.007 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 30  | -4.78  | -0.007 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 40  | -6.17  | -0.009 | PASS |
| NVNT | Band1<br>2 | 10 | 23095 | 50 | #0 | 16QAM | NV | 50  | -6.31  | -0.009 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | -30 | -9.34  | -0.013 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | -20 | -11.64 | -0.016 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 0   | -11.24 | -0.016 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 10  | -15.45 | -0.022 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 20  | -23.92 | -0.034 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 30  | -33.36 | -0.047 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 40  | -40.47 | -0.057 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | QPSK  | NV | 50  | -44.93 | -0.063 | PASS |

|      |            |    |       |    |    |       |    |     |       |        |      |
|------|------------|----|-------|----|----|-------|----|-----|-------|--------|------|
|      | 2          |    |       |    |    |       |    |     |       |        |      |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | -30 | 2.88  | 0.004  | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | -20 | -2.37 | -0.003 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 0   | -5.34 | -0.008 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 10  | -6.48 | -0.009 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 20  | -5.95 | -0.008 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 30  | -5.51 | -0.008 | PASS |
| NVNT | Band1<br>2 | 10 | 23130 | 50 | #0 | 16QAM | NV | 40  | -6.91 | -0.010 | PASS |
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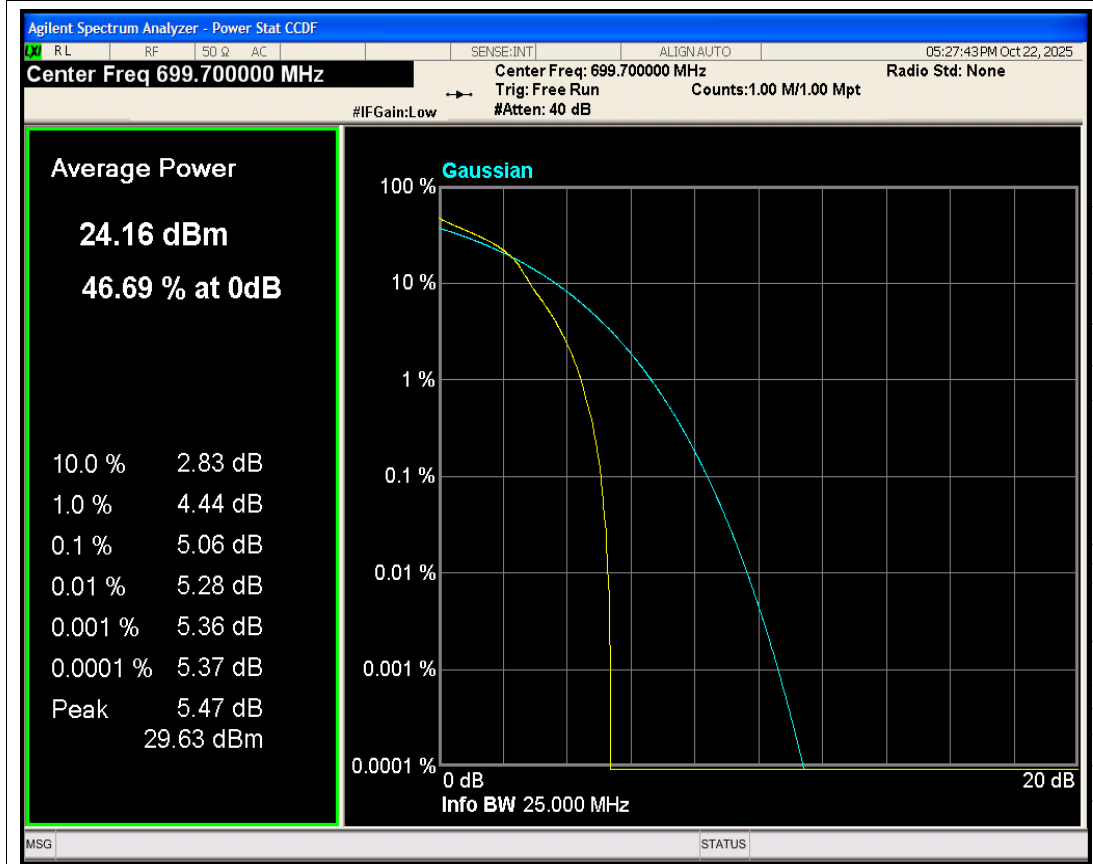


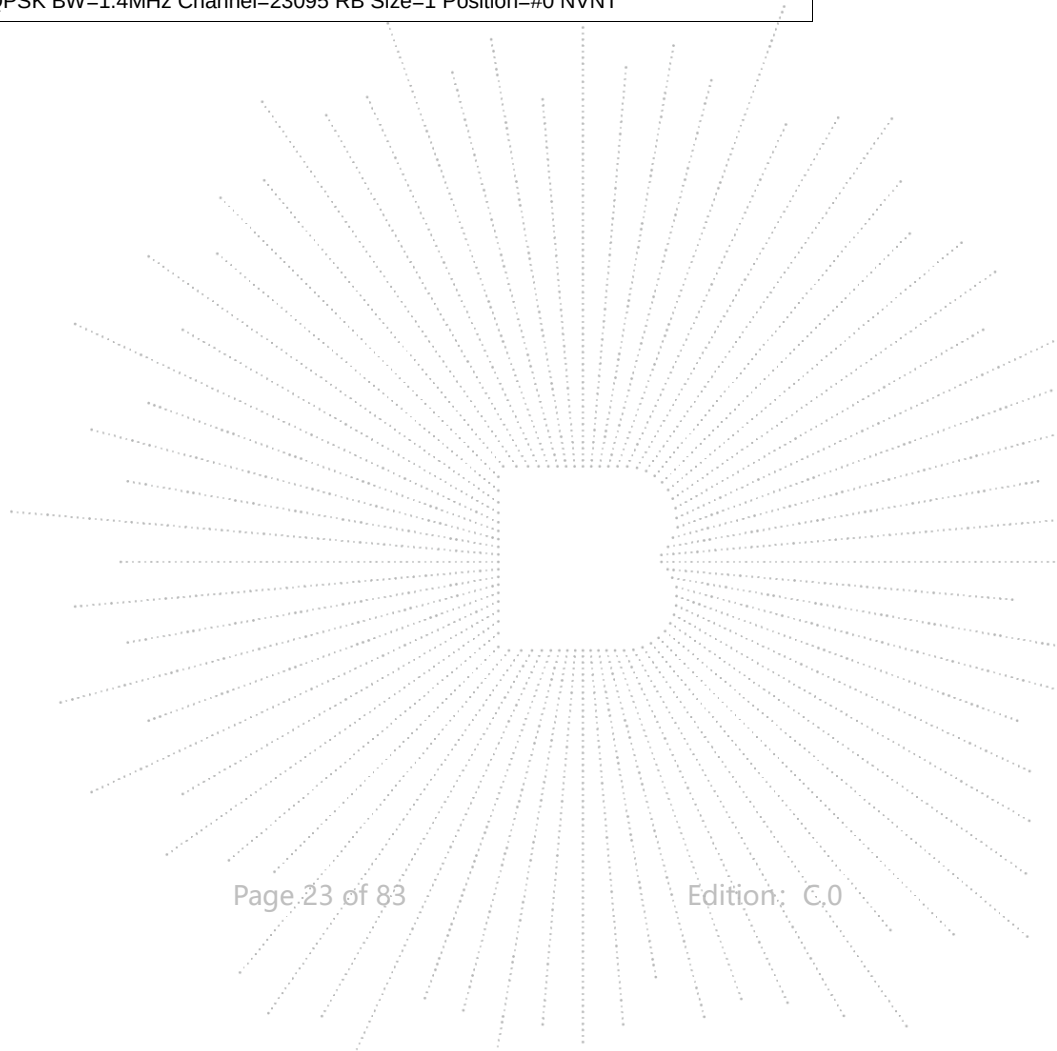
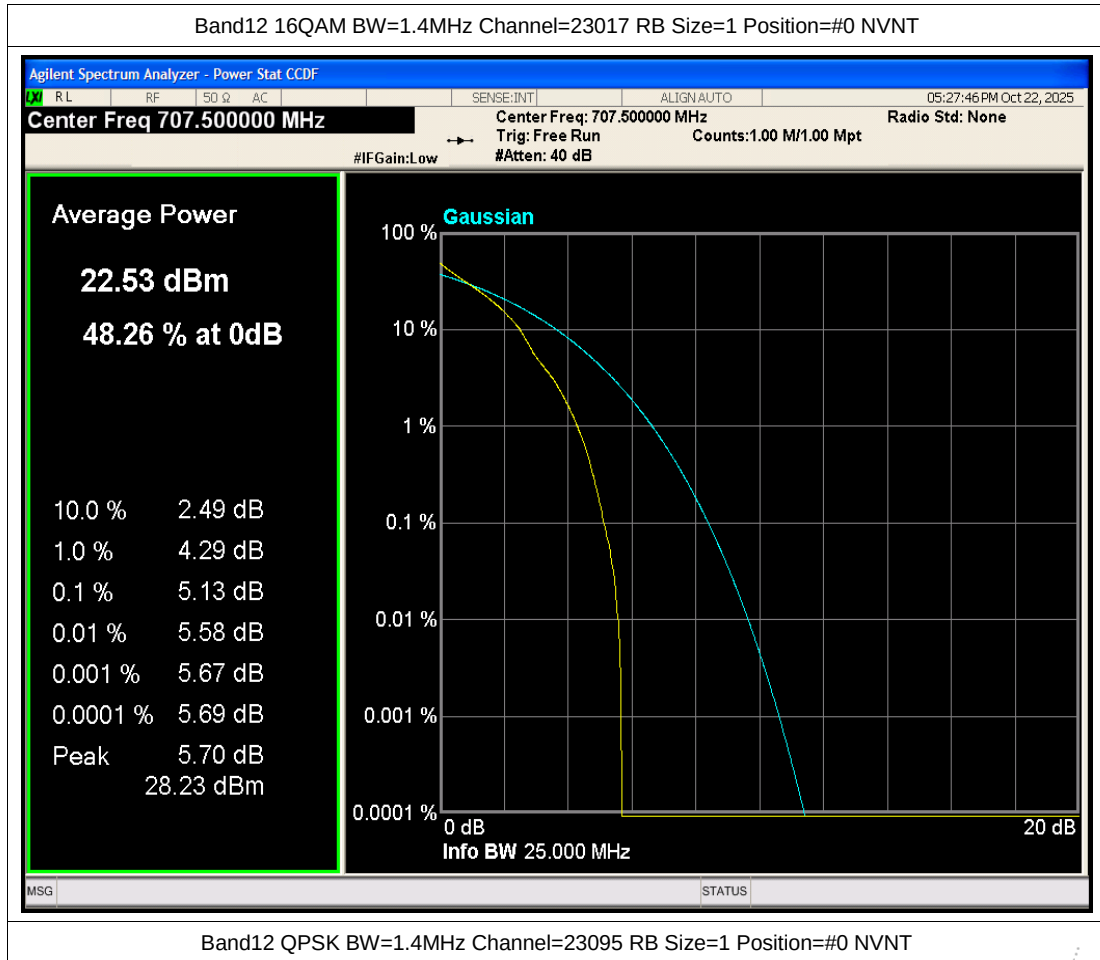
### Appendix 3. Peak-to-Average Ratio

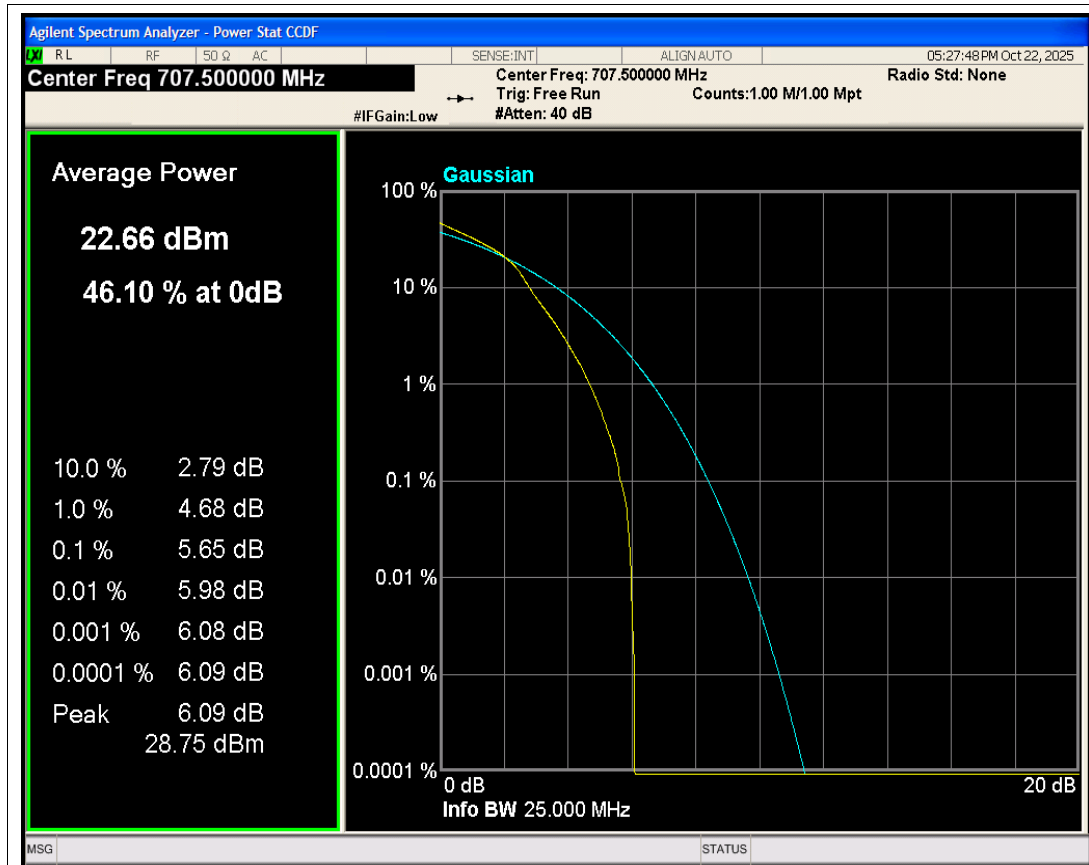
| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high Limit<br>(dB) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|----------------|--------------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 1          | #0             | QPSK       | 4.65           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.06           | 13                 | PASS    |
|           |        |                    | 23095         | 1          | #0             | QPSK       | 5.13           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.65           | 13                 | PASS    |
|           |        |                    | 23173         | 1          | #0             | QPSK       | 4.93           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.63           | 13                 | PASS    |
|           |        | 3                  | 23025         | 1          | #0             | QPSK       | 4.48           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.17           | 13                 | PASS    |
|           |        |                    | 23095         | 1          | #0             | QPSK       | 5.06           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.61           | 13                 | PASS    |
|           |        |                    | 23165         | 1          | #0             | QPSK       | 5.17           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.67           | 13                 | PASS    |
|           |        | 5                  | 23035         | 1          | #0             | QPSK       | 4.63           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.39           | 13                 | PASS    |
|           |        |                    | 23095         | 1          | #0             | QPSK       | 4.92           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.37           | 13                 | PASS    |
|           |        |                    | 23155         | 1          | #0             | QPSK       | 5.15           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.51           | 13                 | PASS    |
|           |        | 10                 | 23060         | 1          | #0             | QPSK       | 4.47           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.18           | 13                 | PASS    |
|           |        |                    | 23095         | 1          | #0             | QPSK       | 4.35           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.04           | 13                 | PASS    |
|           |        |                    | 23130         | 1          | #0             | QPSK       | 4.94           | 13                 | PASS    |
|           |        |                    |               | 1          | #0             | 16QAM      | 5.64           | 13                 | PASS    |



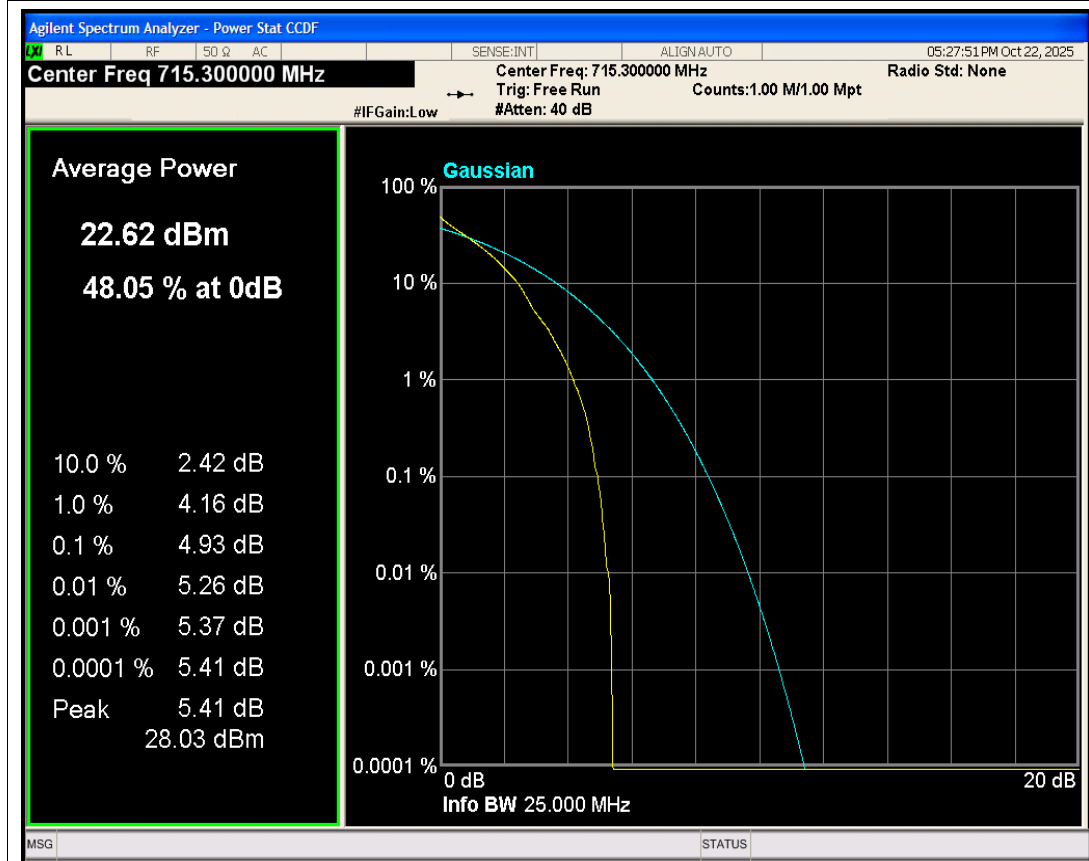
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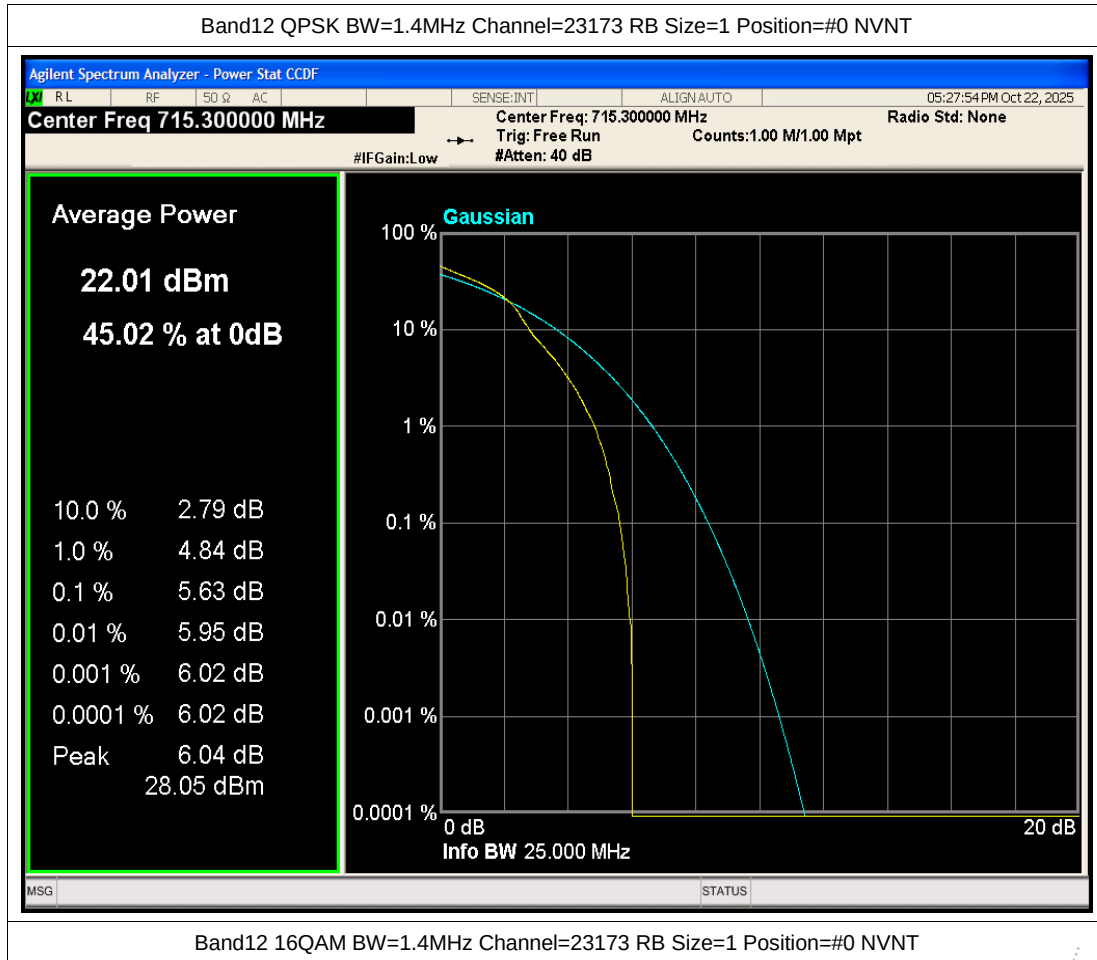


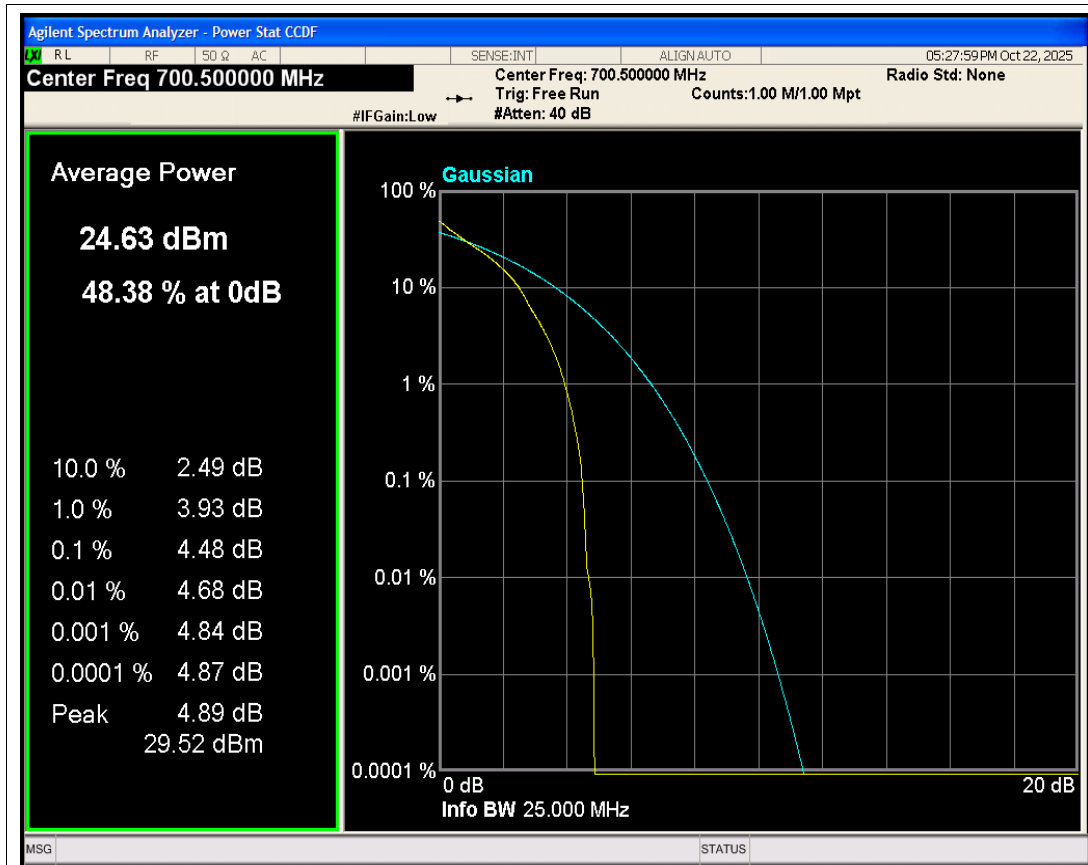




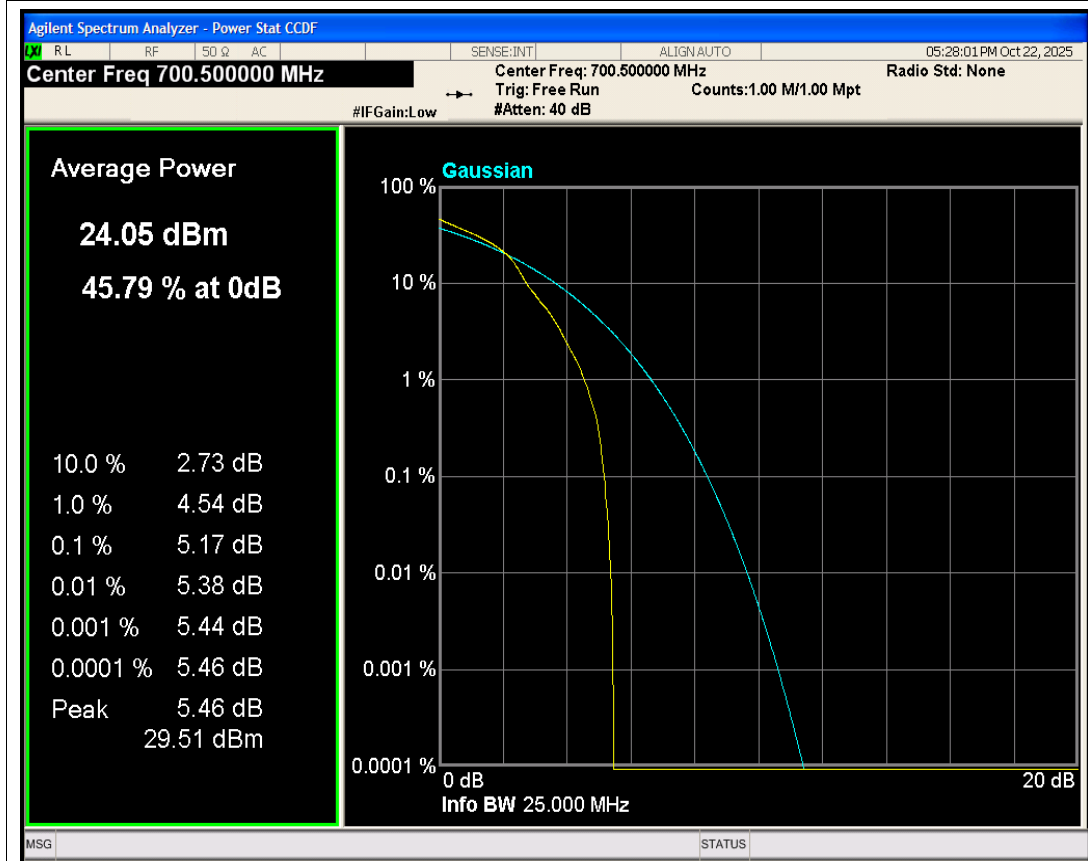
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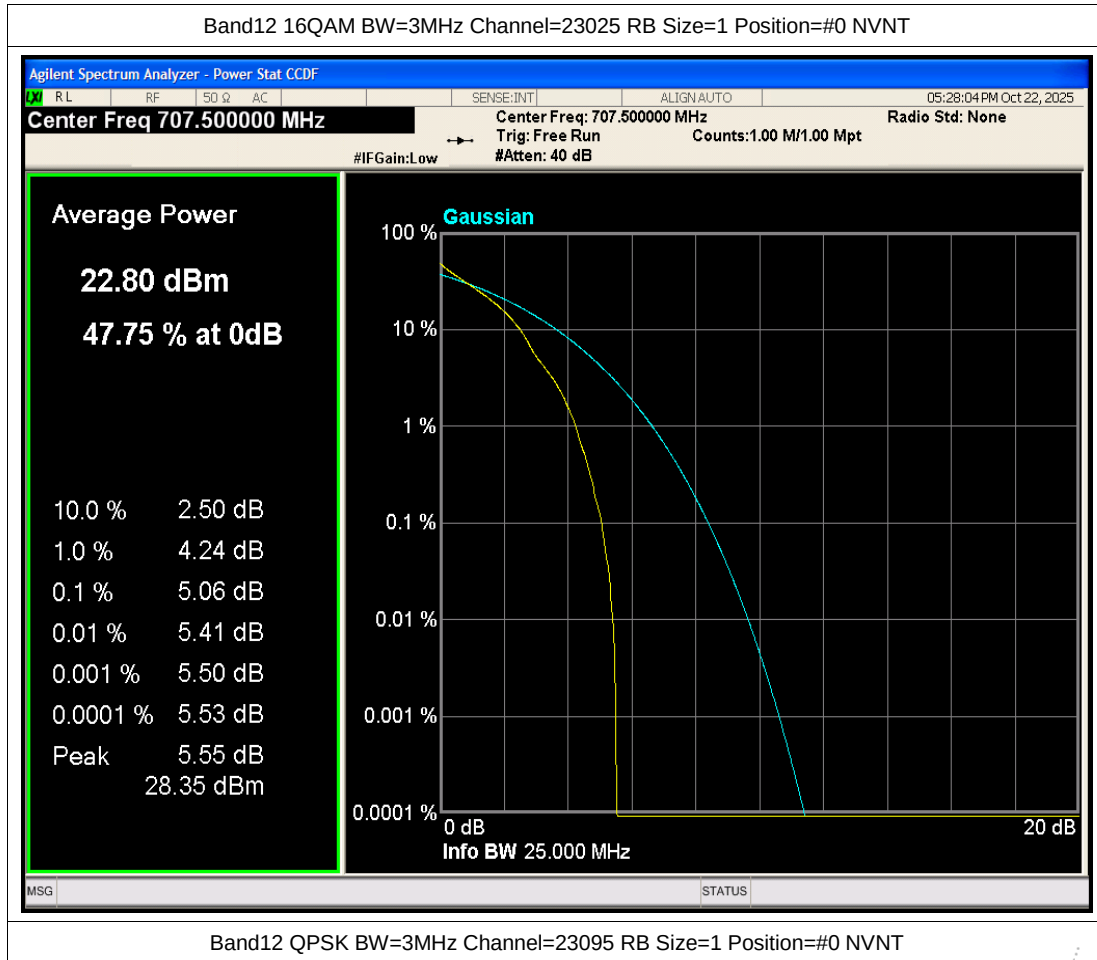


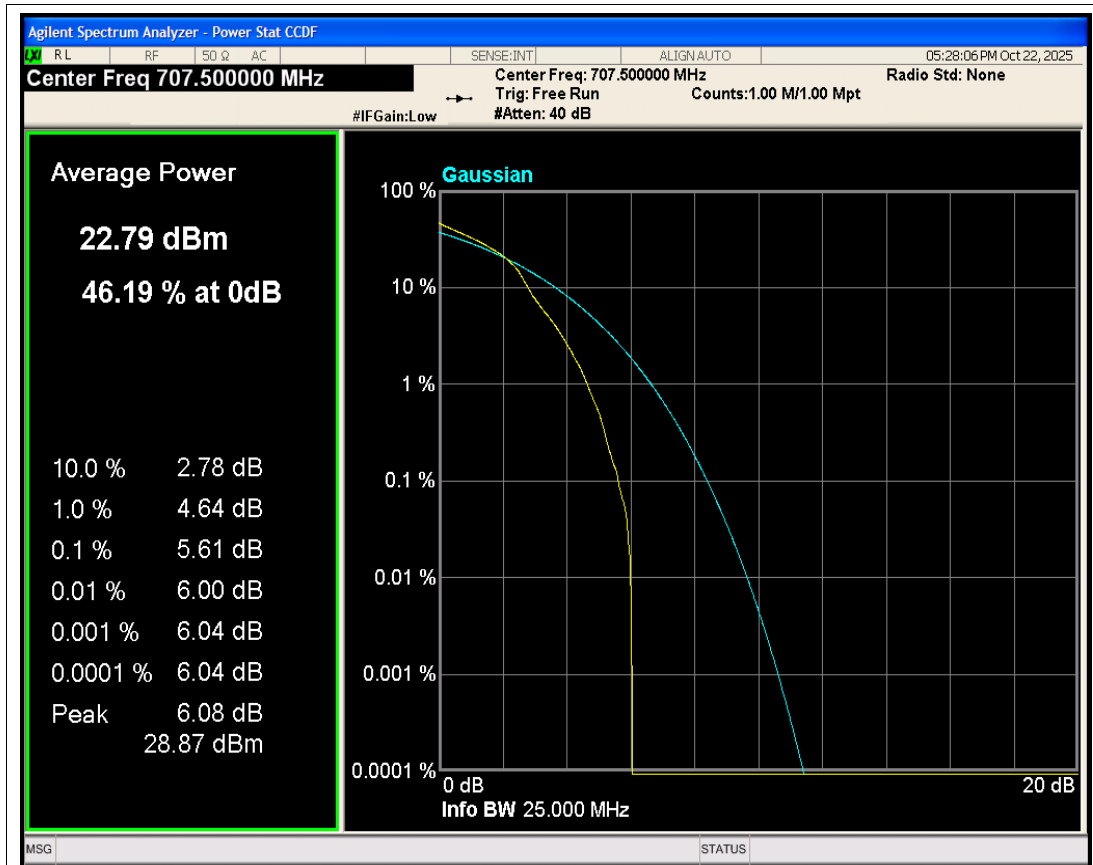




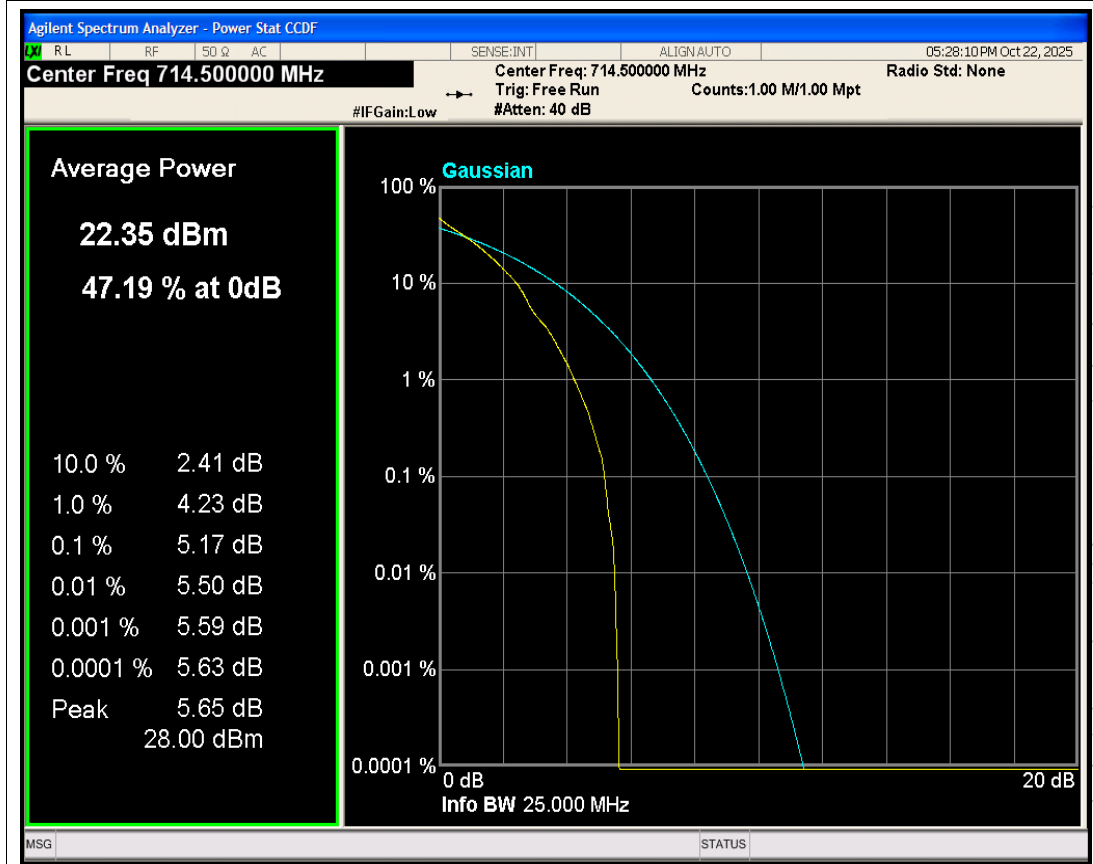
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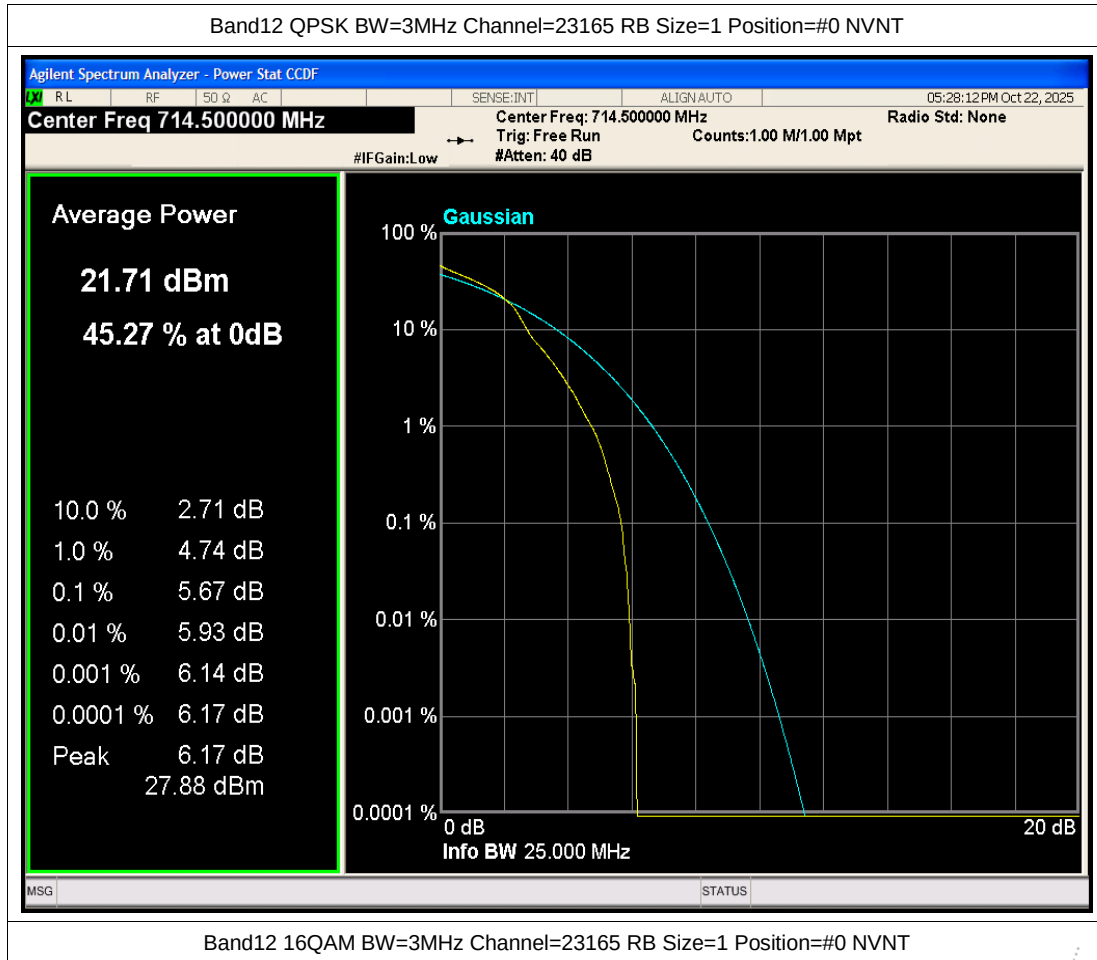


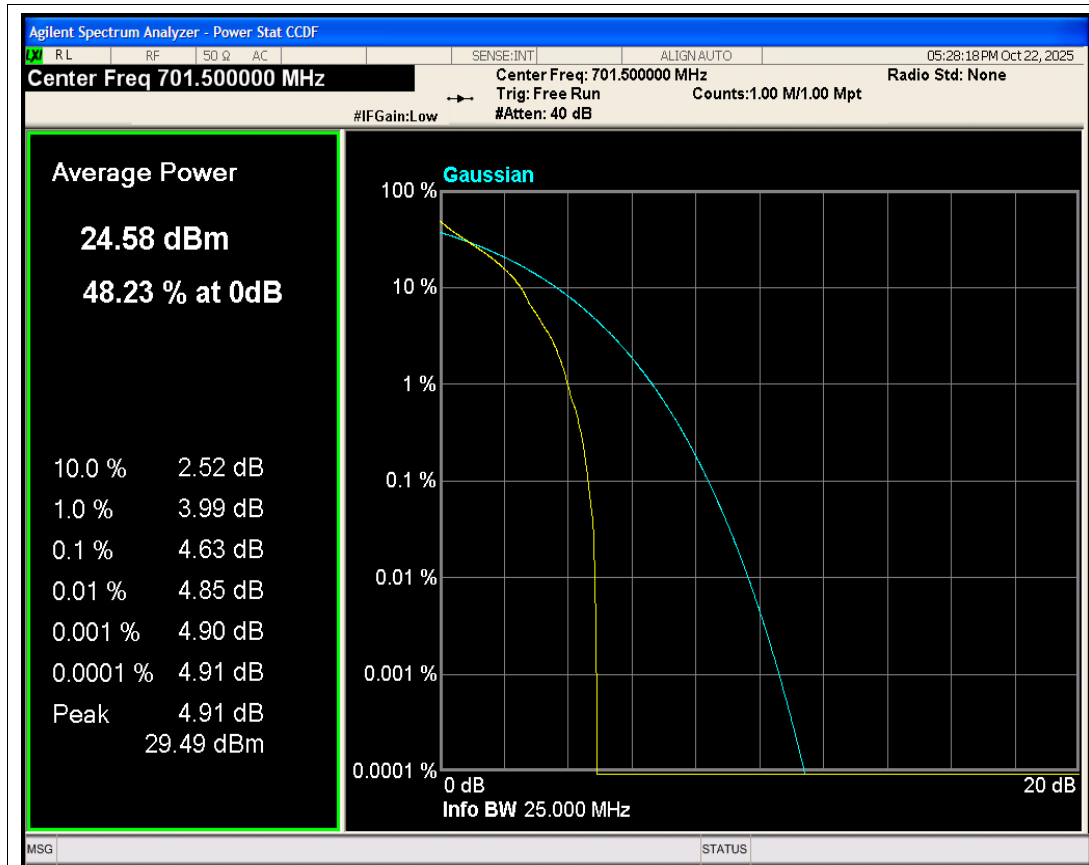




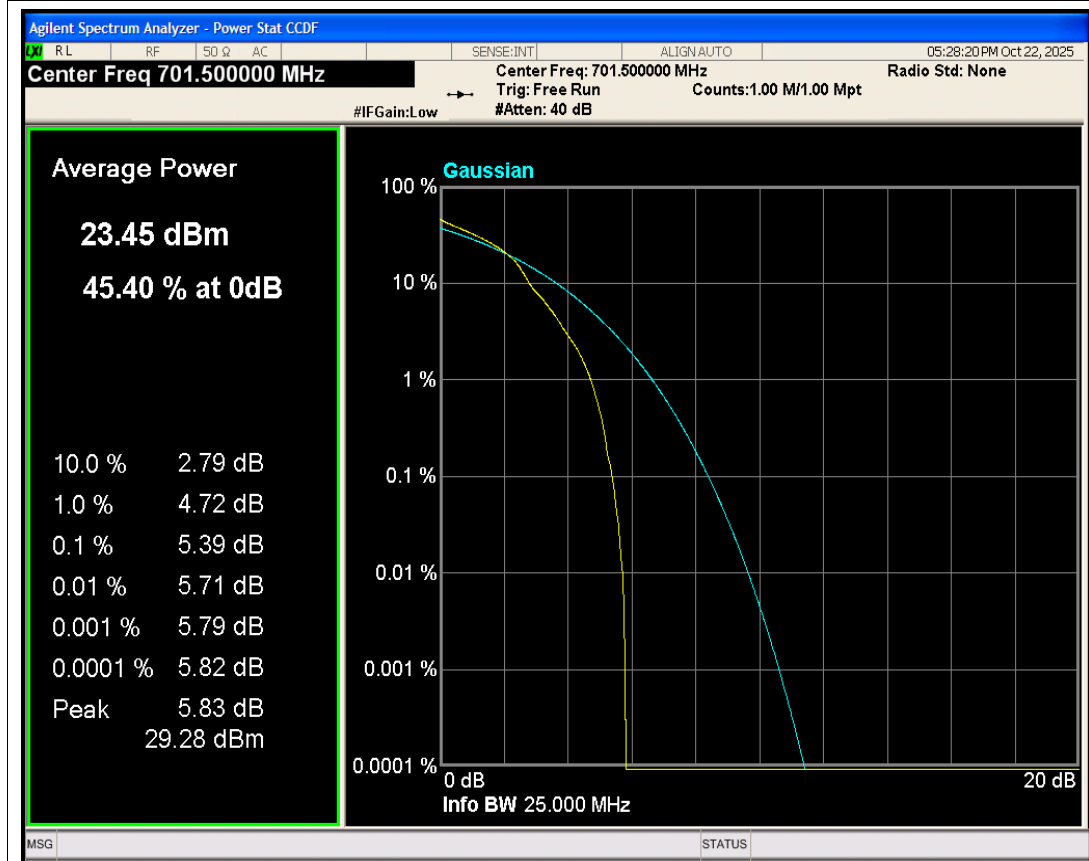
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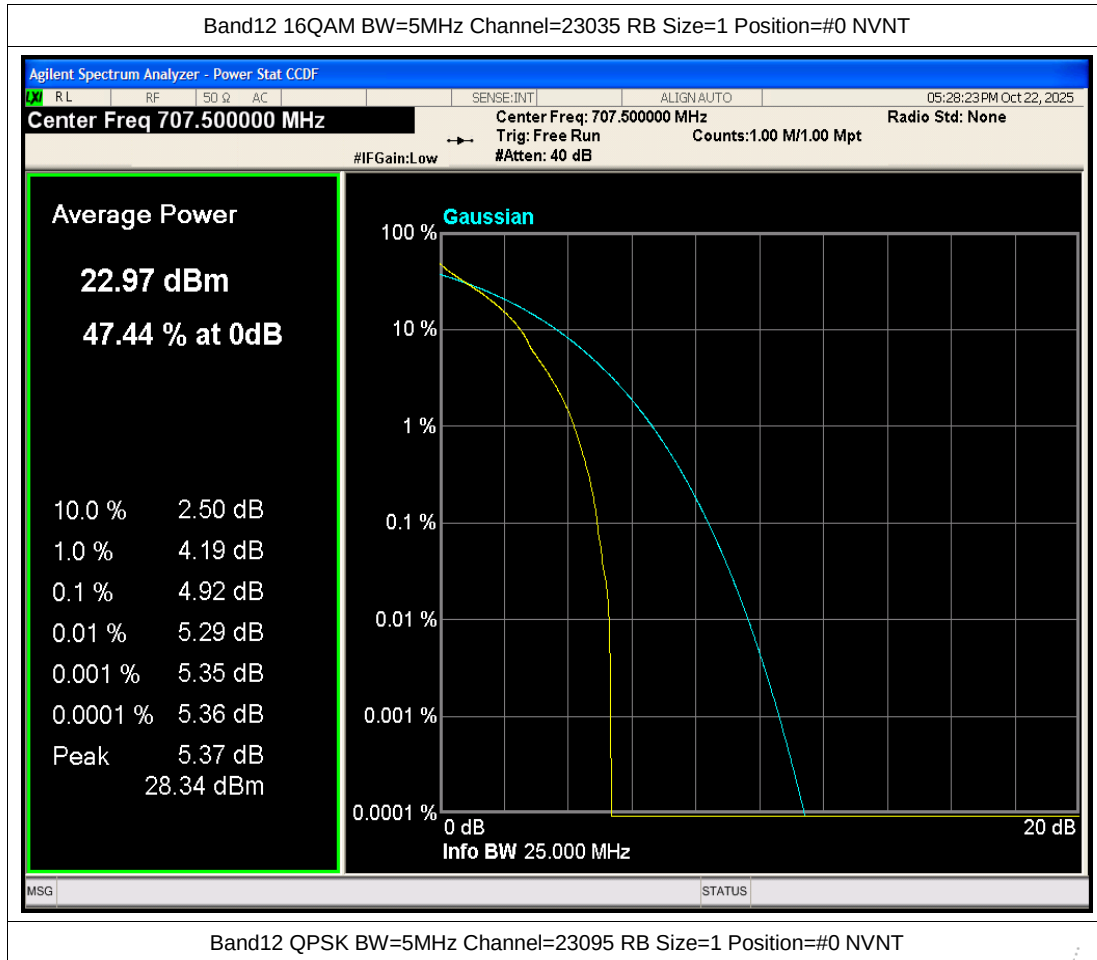


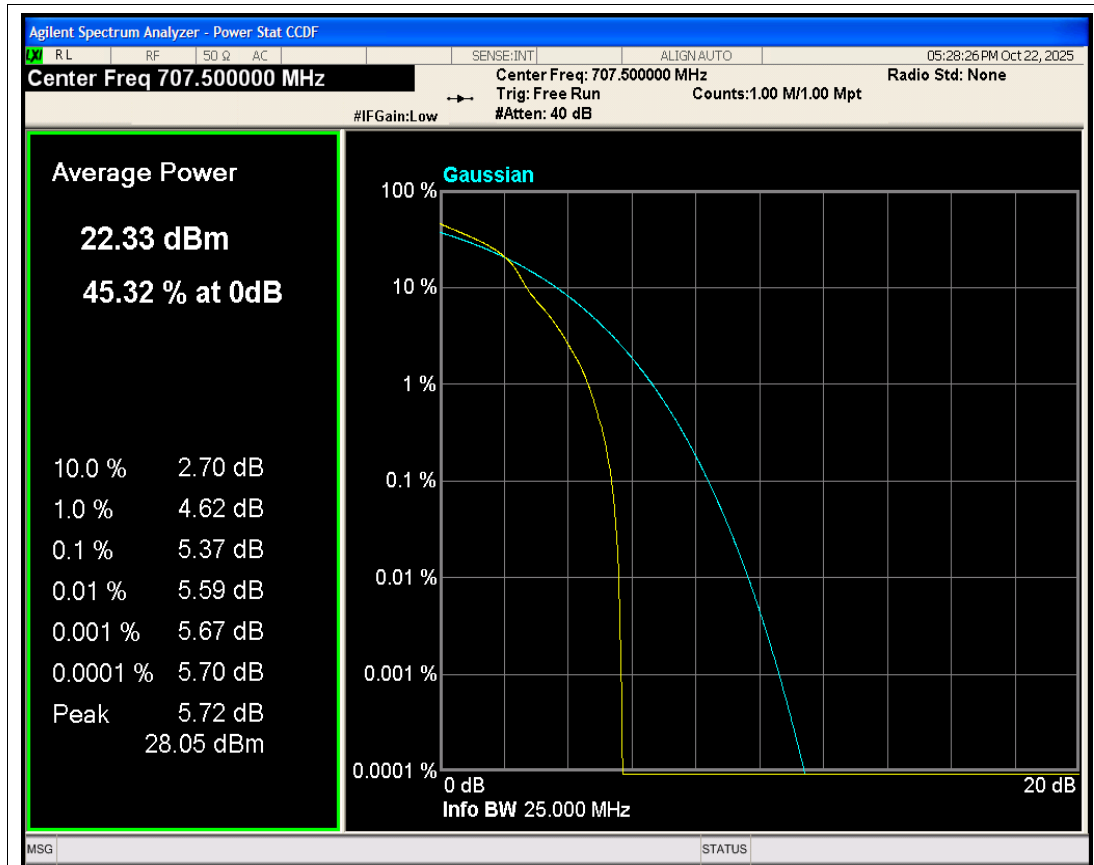




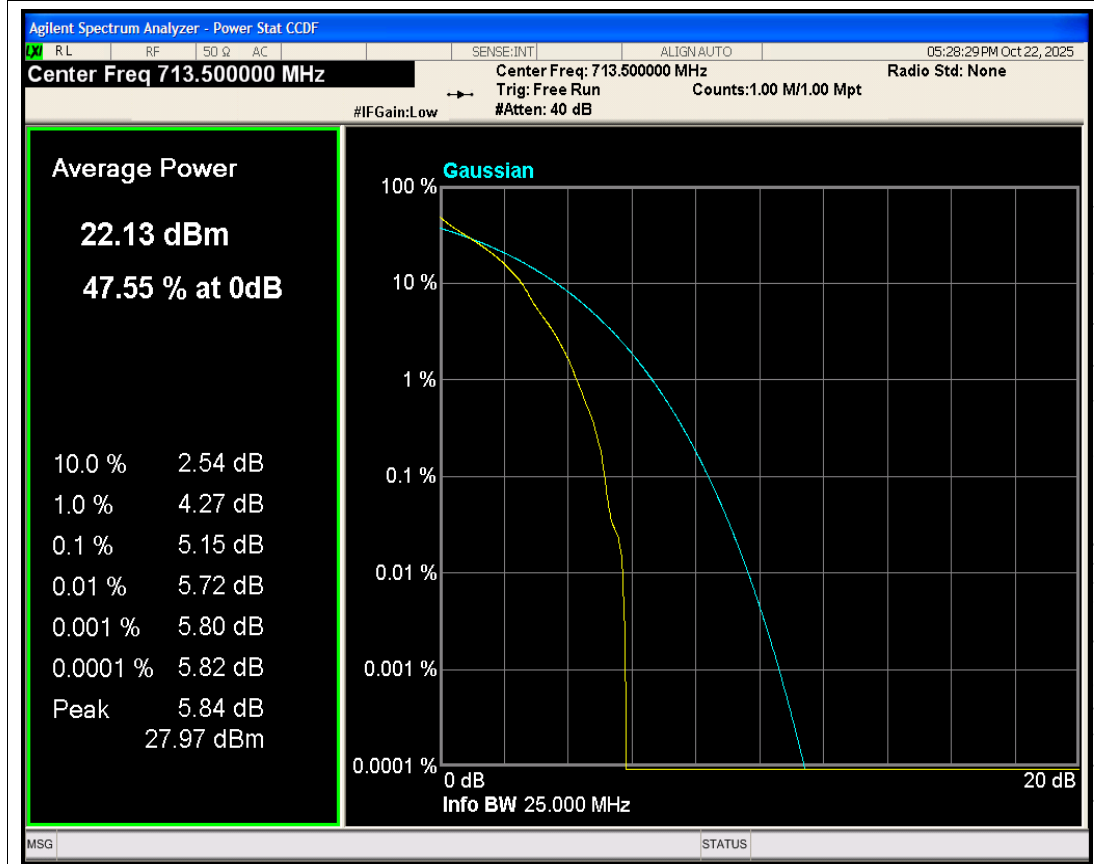
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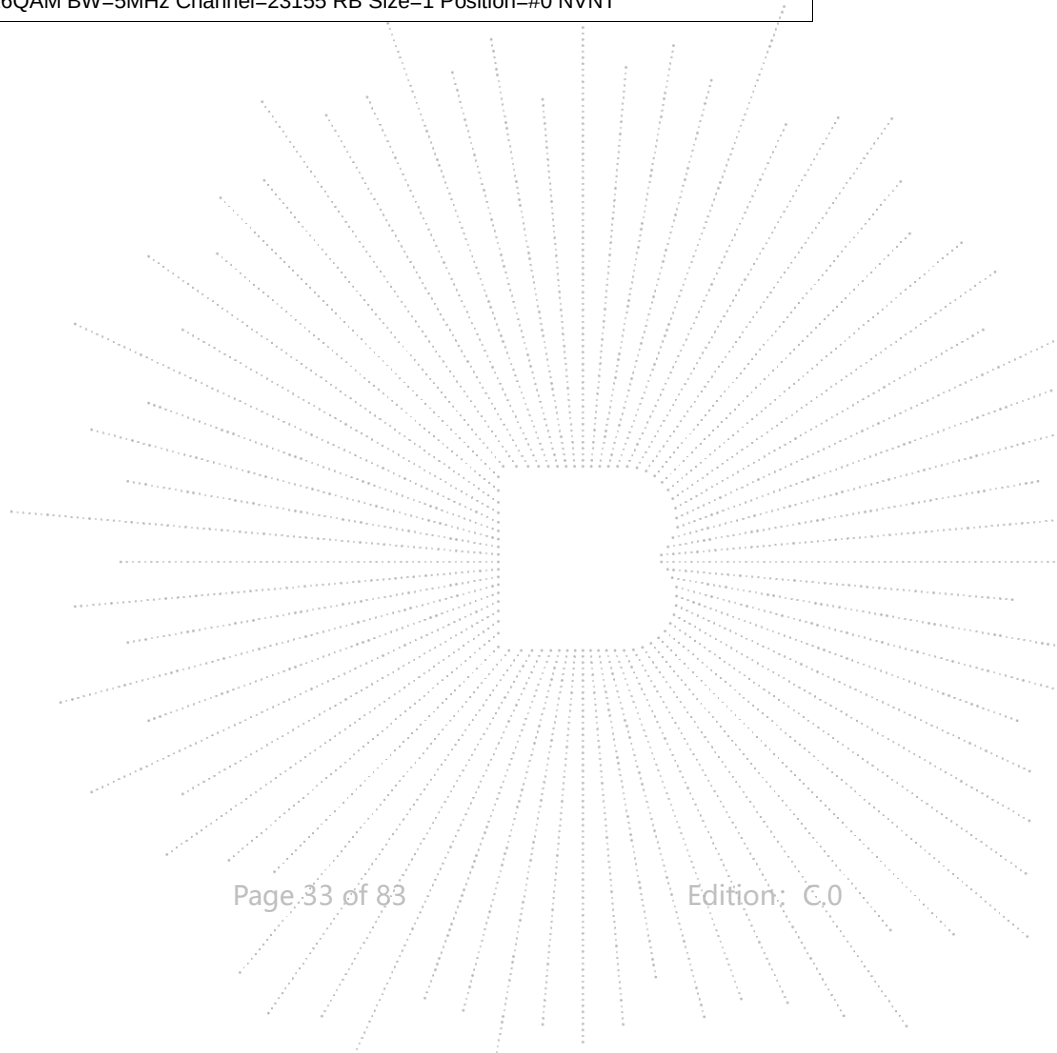
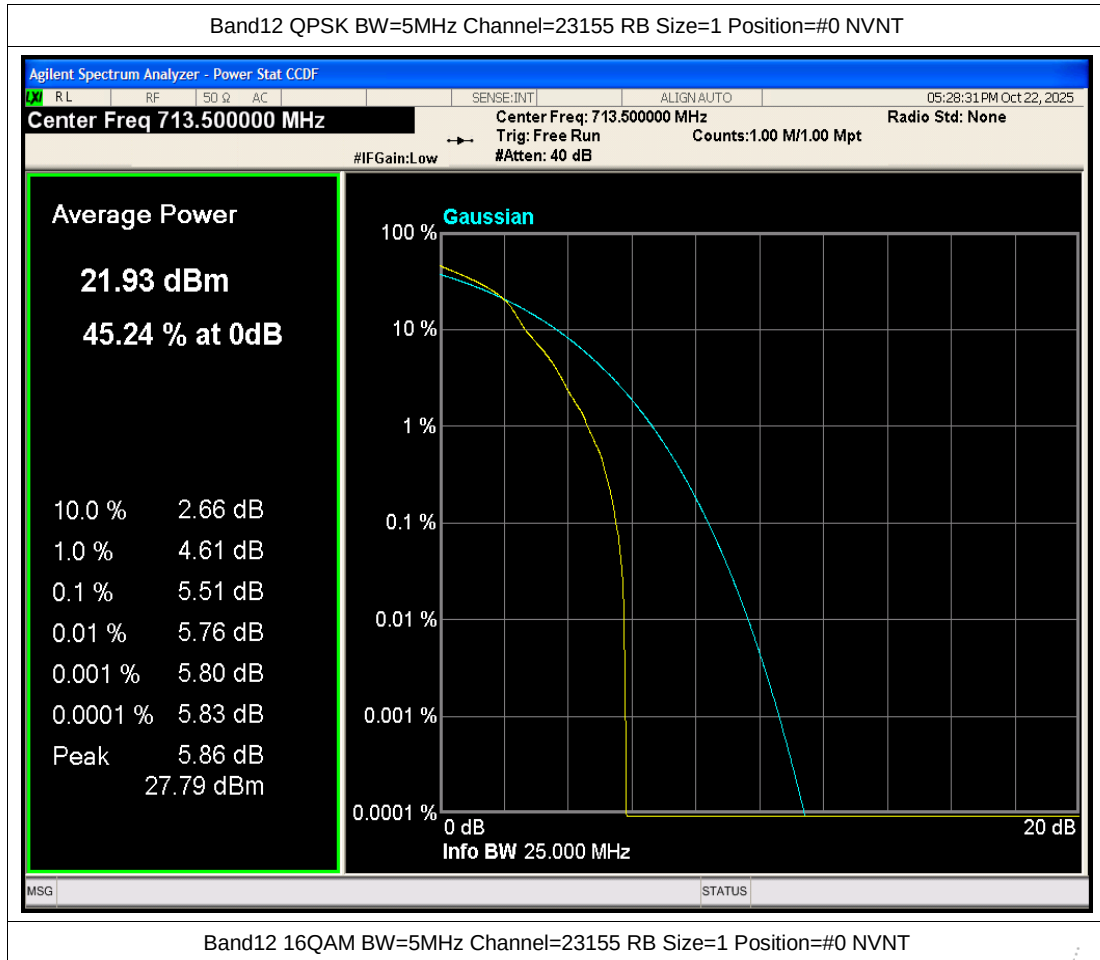


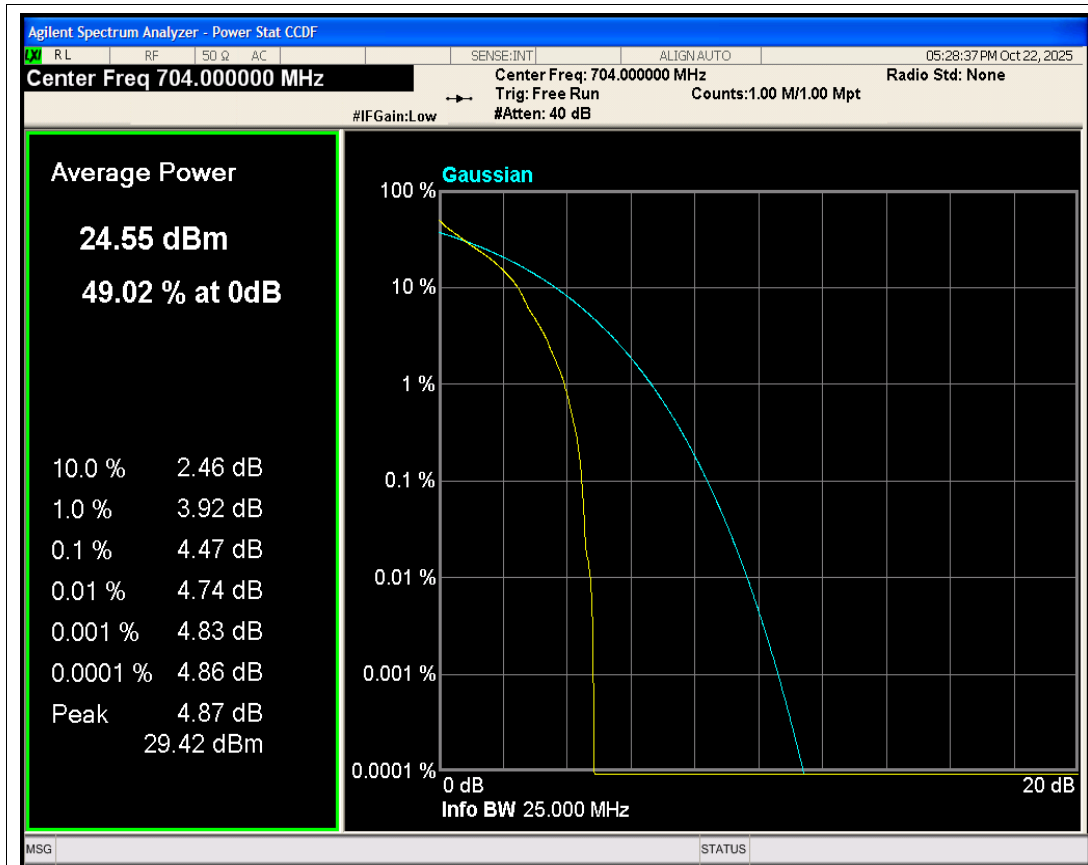




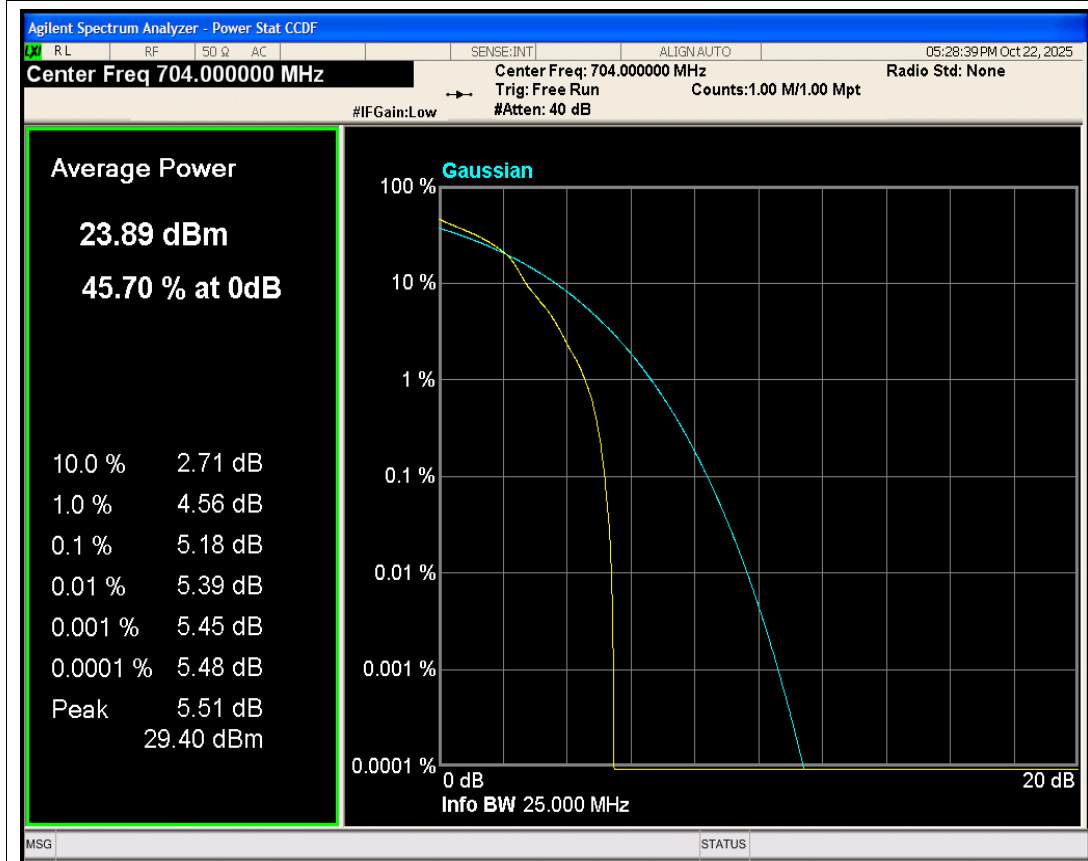
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0 NVNT

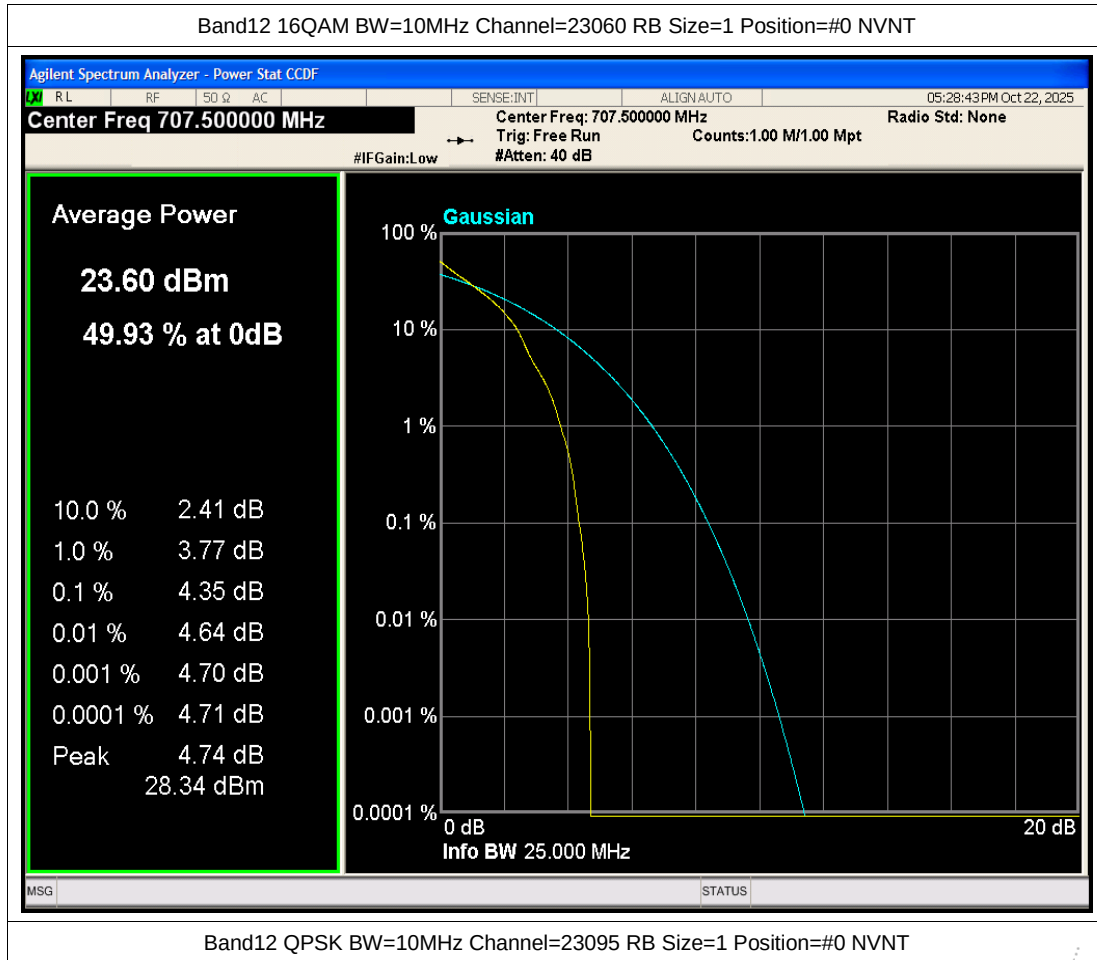


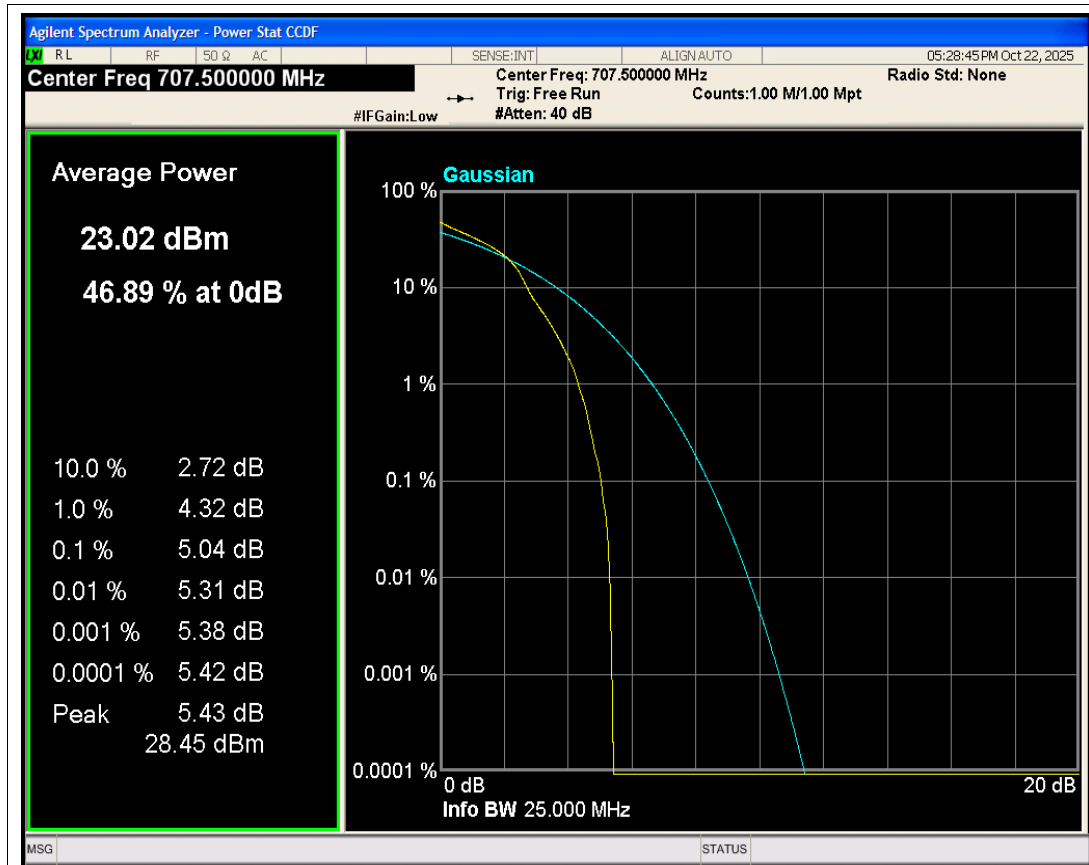




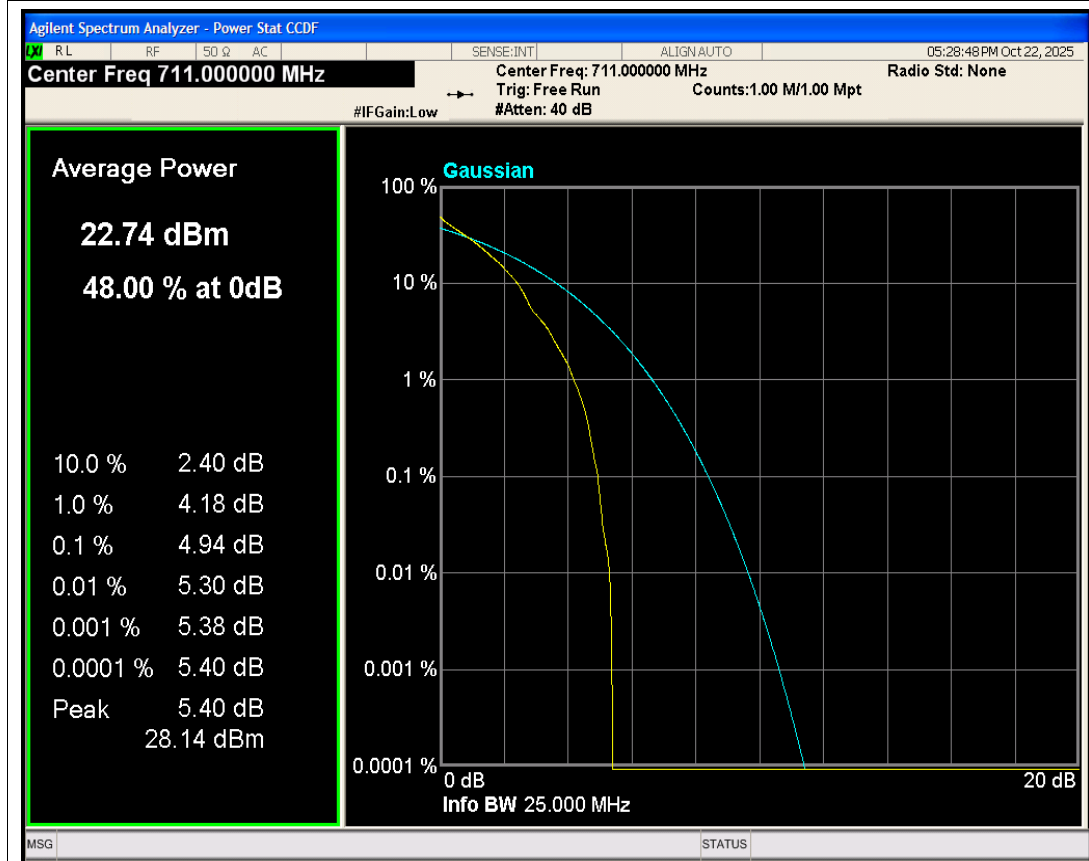
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0 NVNT

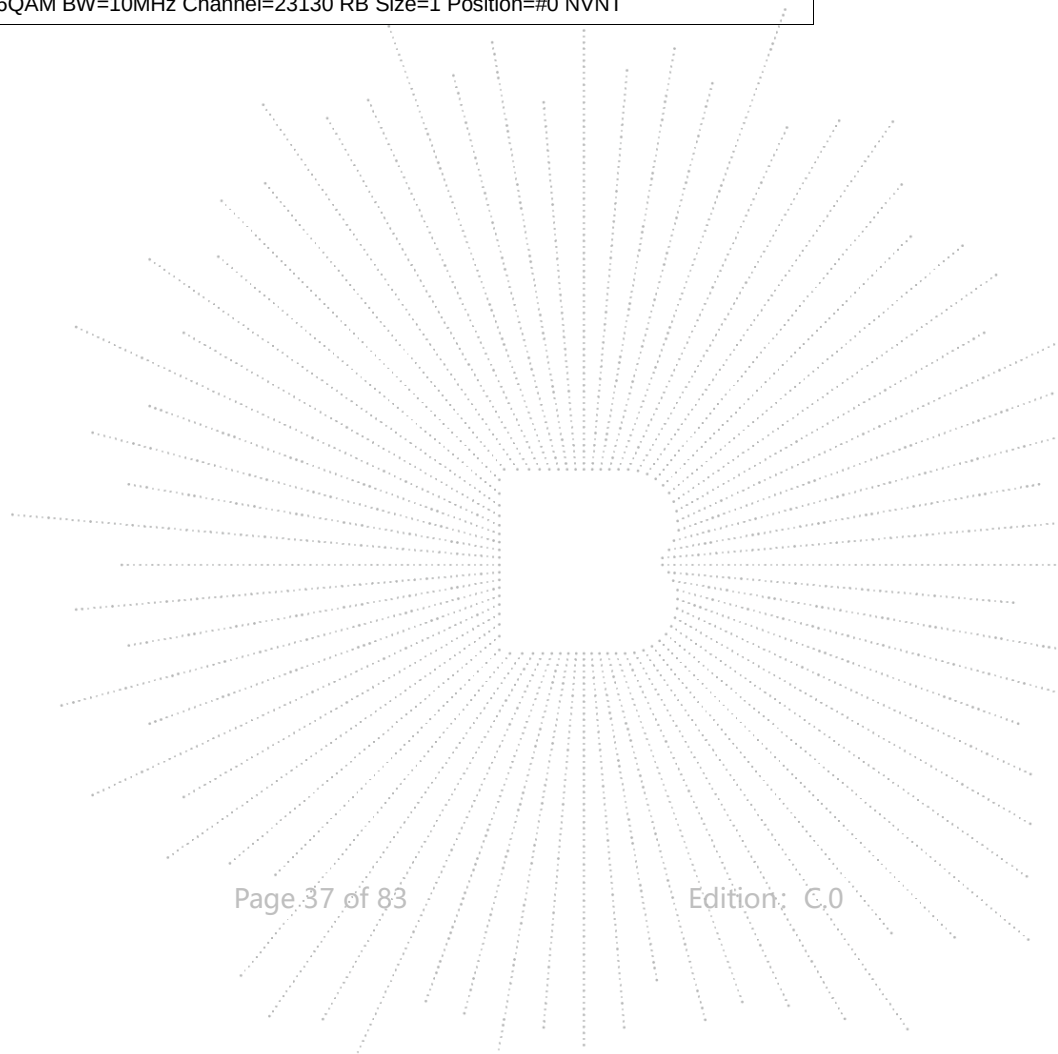
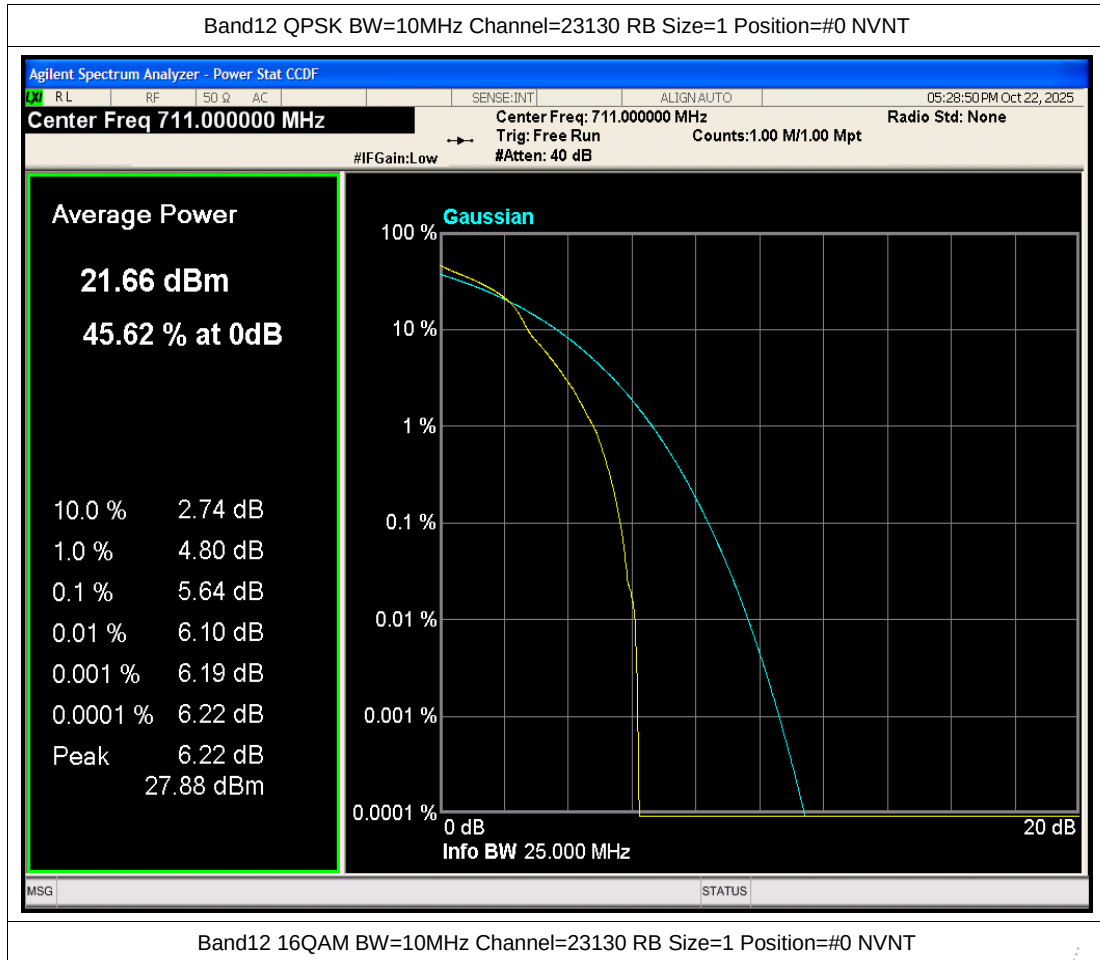






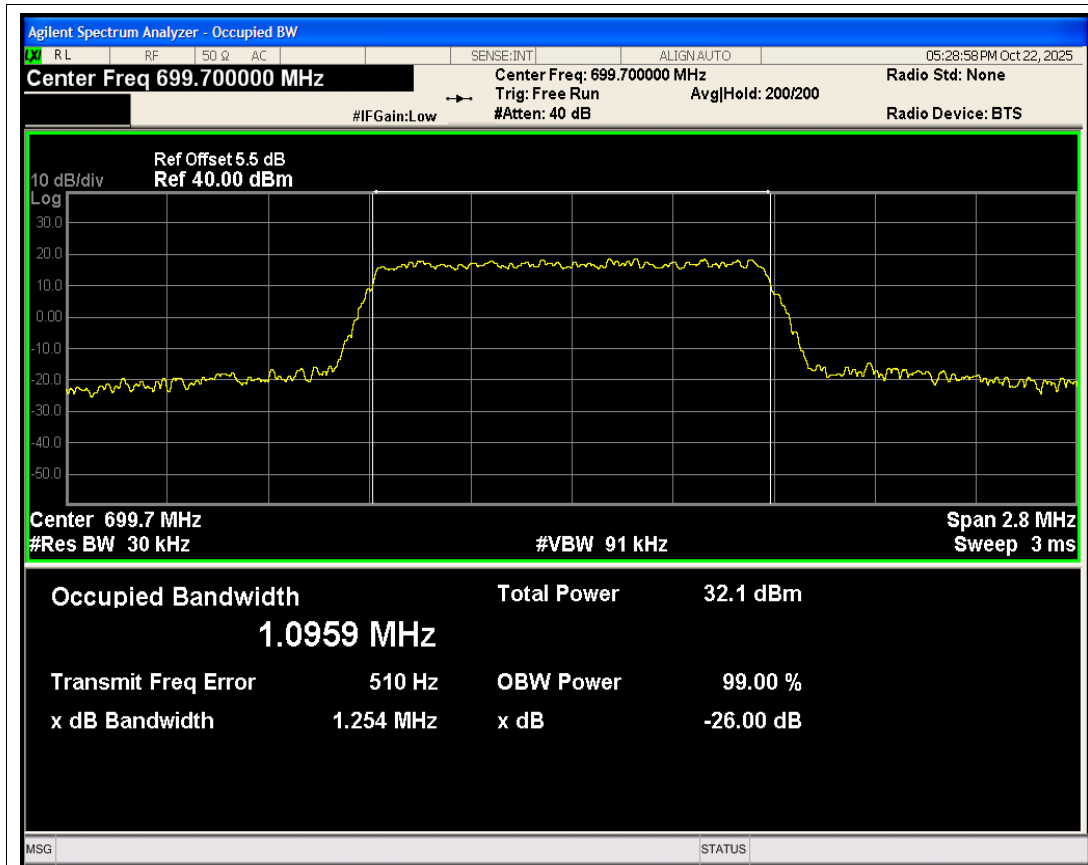
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0 NVNT



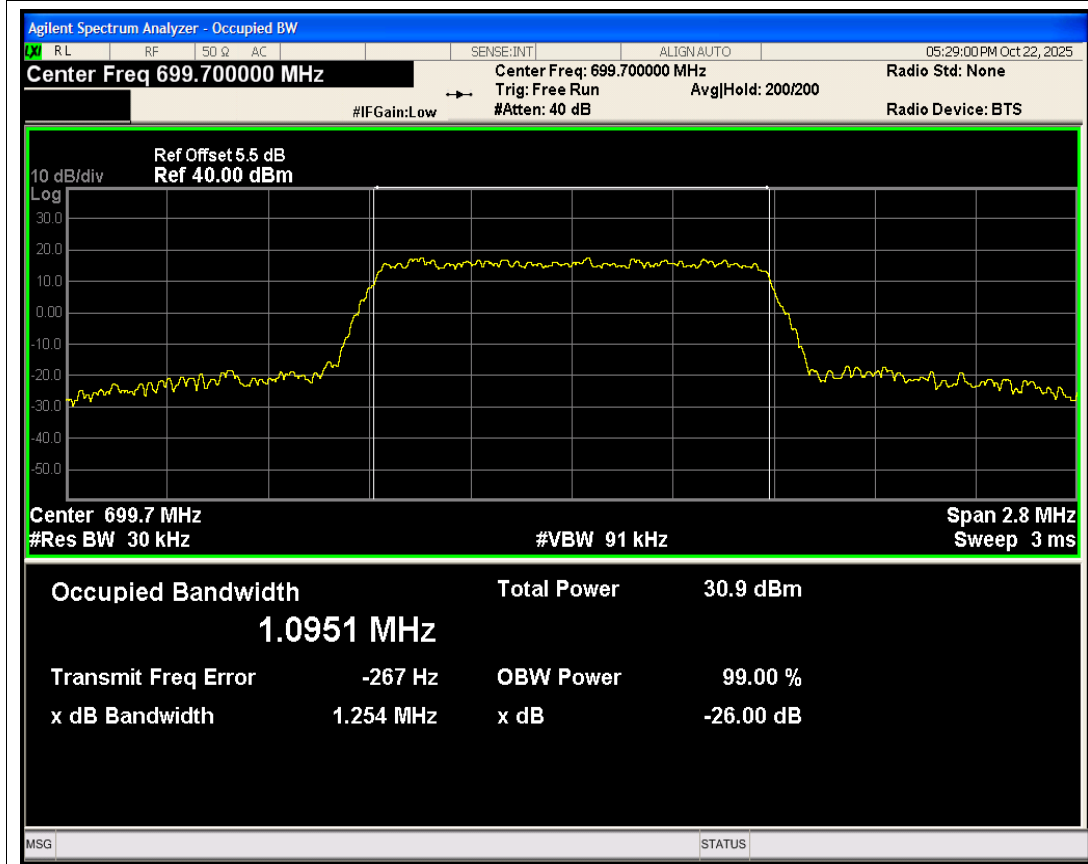


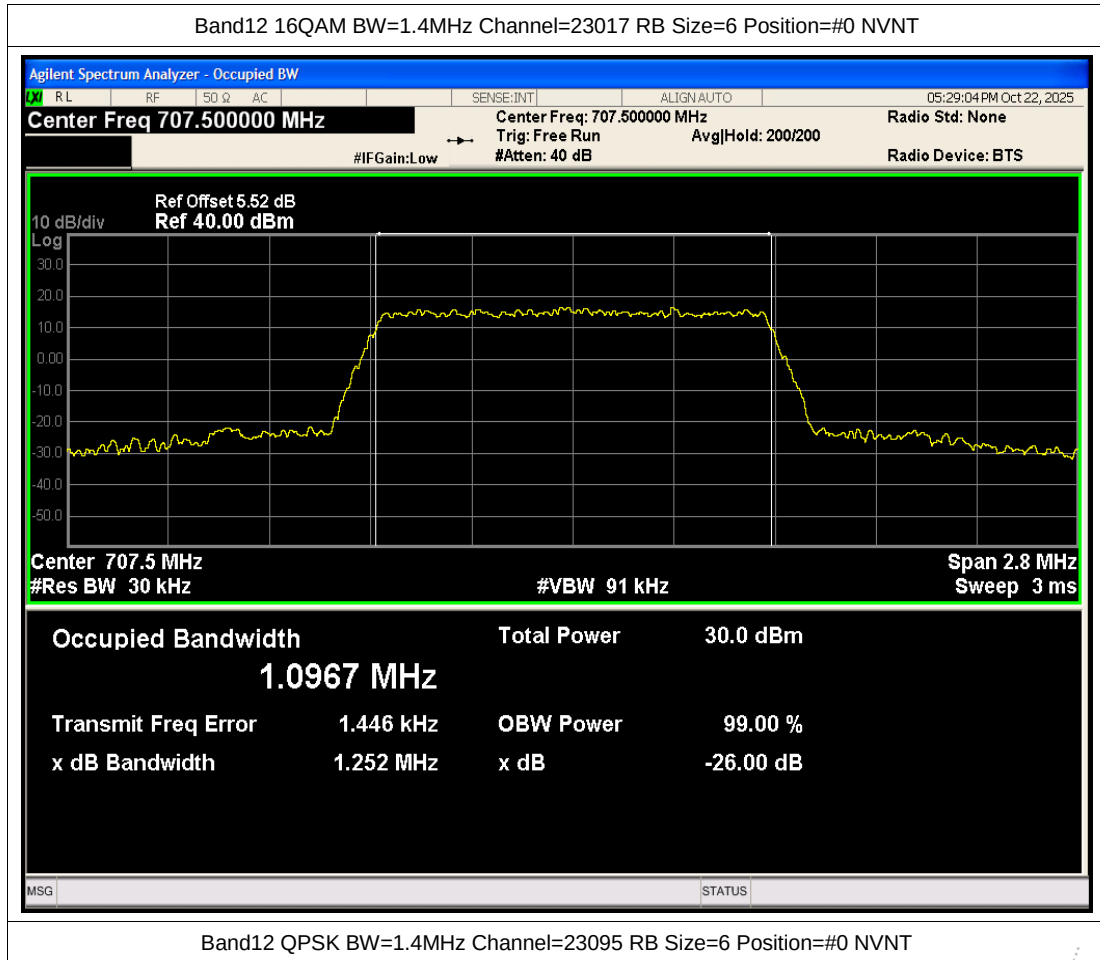
## Appendix 4.Occupied bandwidth

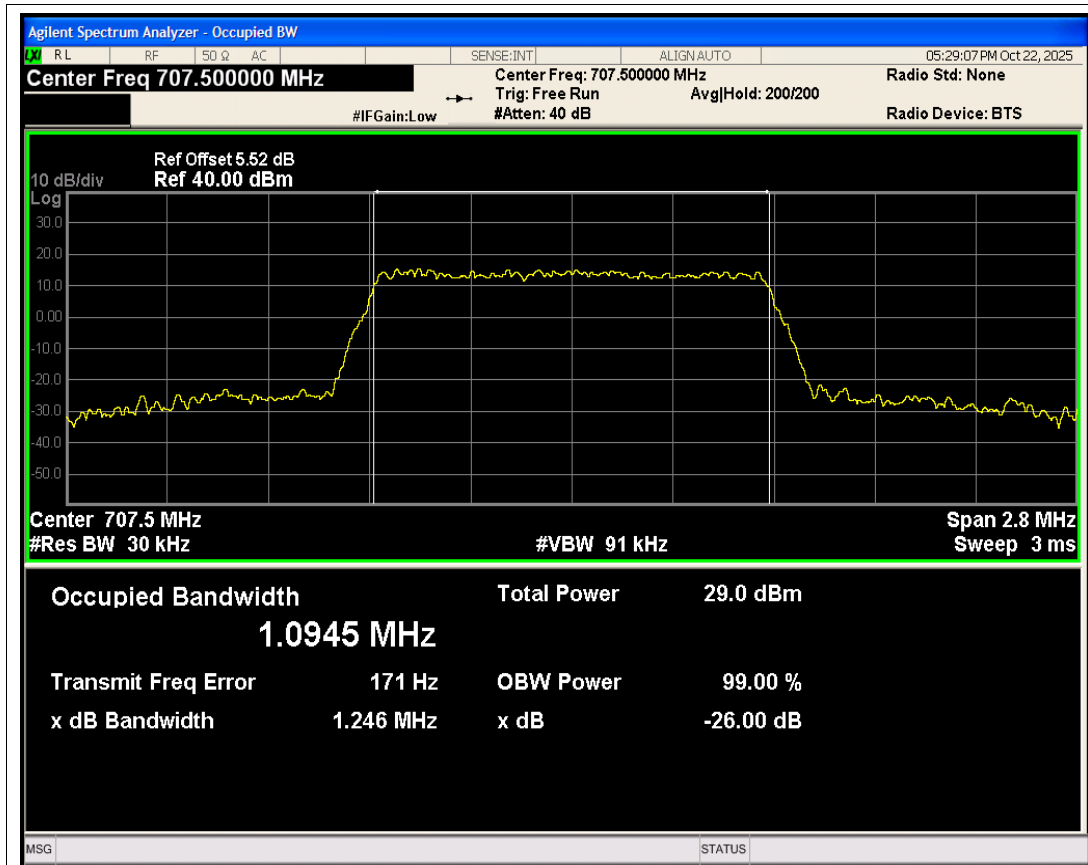
| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | 99% OBW<br>(MHz) | -26dB EBW<br>(MHz) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|------------------|--------------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 1.096            | 1.254              | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 1.095            | 1.254              | PASS    |
|           |        |                    | 23095         | 6          | #0             | QPSK       | 1.097            | 1.252              | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 1.094            | 1.246              | PASS    |
|           |        |                    | 23173         | 6          | #0             | QPSK       | 1.102            | 1.247              | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 1.100            | 1.258              | PASS    |
|           |        | 3                  | 23025         | 15         | #0             | QPSK       | 2.718            | 3.049              | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 2.715            | 3.027              | PASS    |
|           |        |                    | 23095         | 15         | #0             | QPSK       | 2.699            | 3.014              | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 2.709            | 3.022              | PASS    |
|           |        |                    | 23165         | 15         | #0             | QPSK       | 2.722            | 3.028              | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 2.706            | 3.044              | PASS    |
|           |        | 5                  | 23035         | 25         | #0             | QPSK       | 4.523            | 4.932              | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 4.504            | 4.907              | PASS    |
|           |        |                    | 23095         | 25         | #0             | QPSK       | 4.525            | 4.953              | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 4.515            | 4.947              | PASS    |
|           |        |                    | 23155         | 25         | #0             | QPSK       | 4.510            | 4.929              | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 4.519            | 4.962              | PASS    |
|           |        | 10                 | 23060         | 50         | #0             | QPSK       | 8.977            | 9.823              | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 8.978            | 9.831              | PASS    |
|           |        |                    | 23095         | 50         | #0             | QPSK       | 8.972            | 9.754              | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 8.988            | 9.876              | PASS    |
|           |        |                    | 23130         | 50         | #0             | QPSK       | 8.978            | 9.773              | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 8.995            | 9.813              | PASS    |



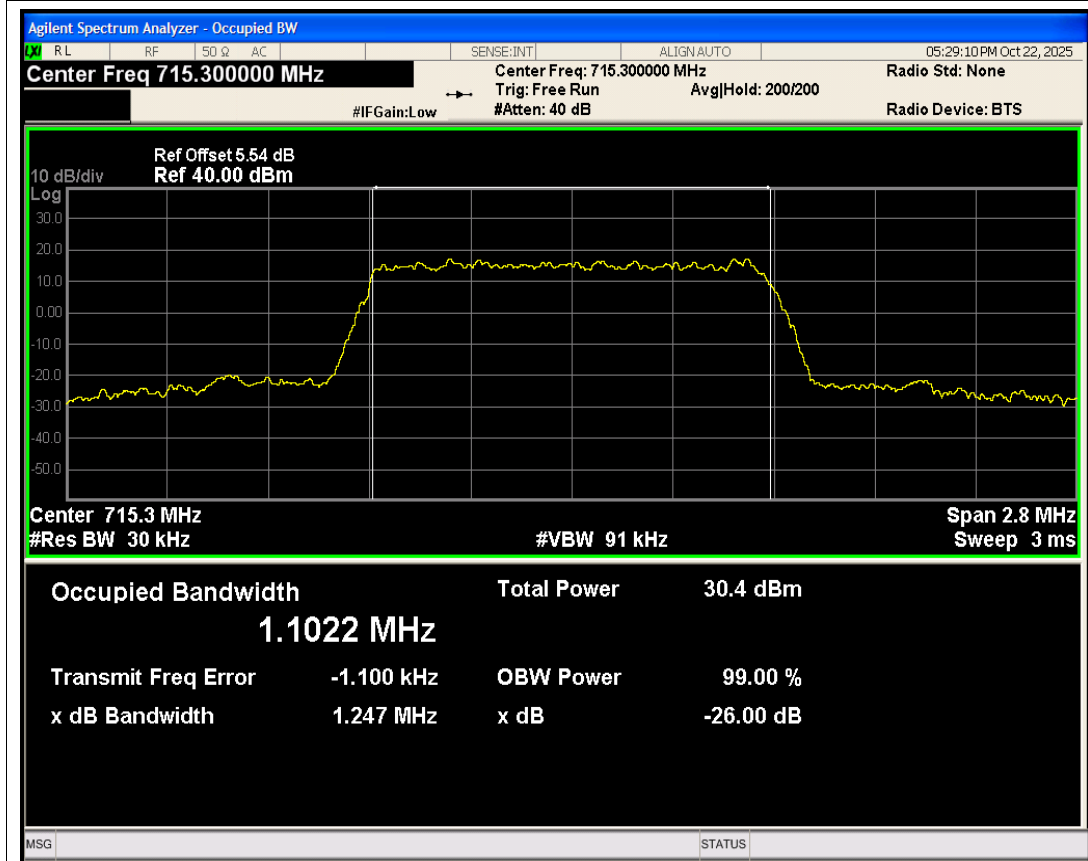
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

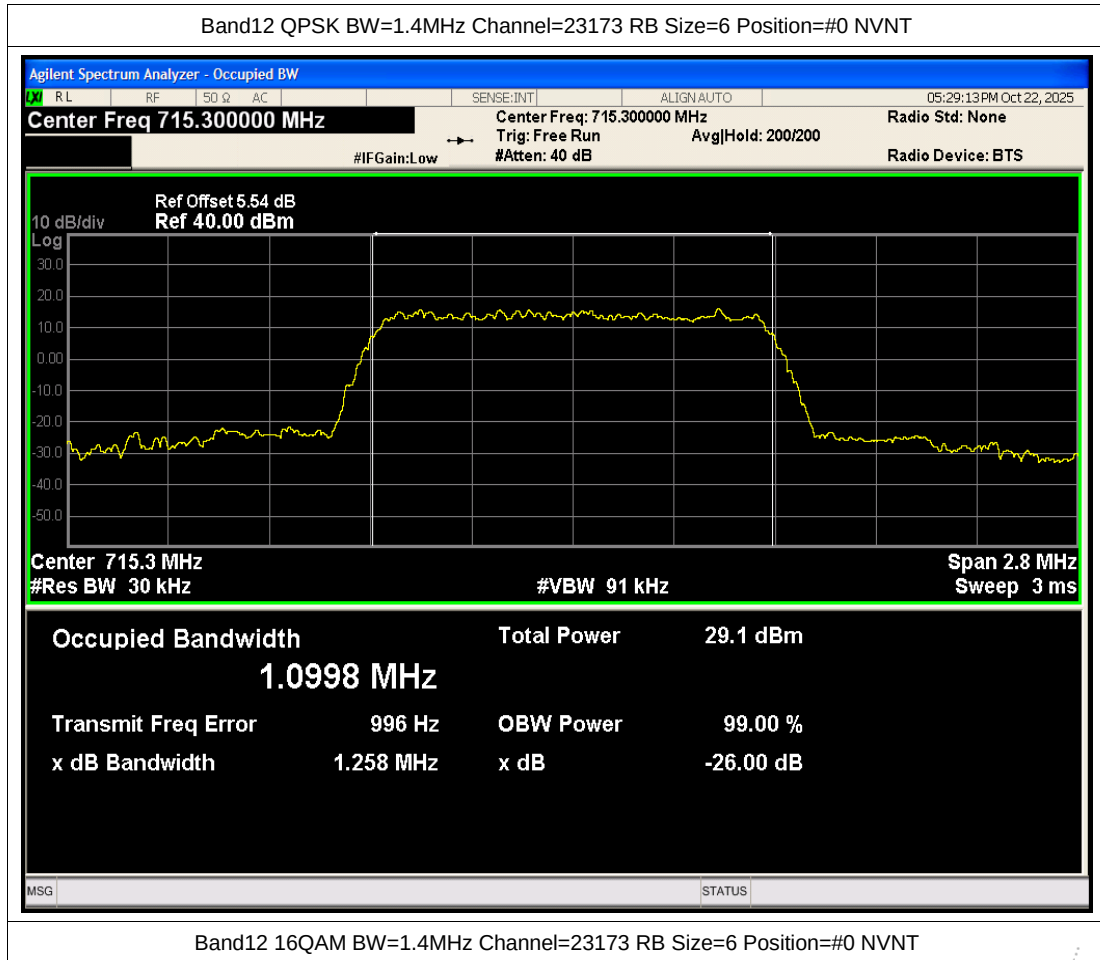


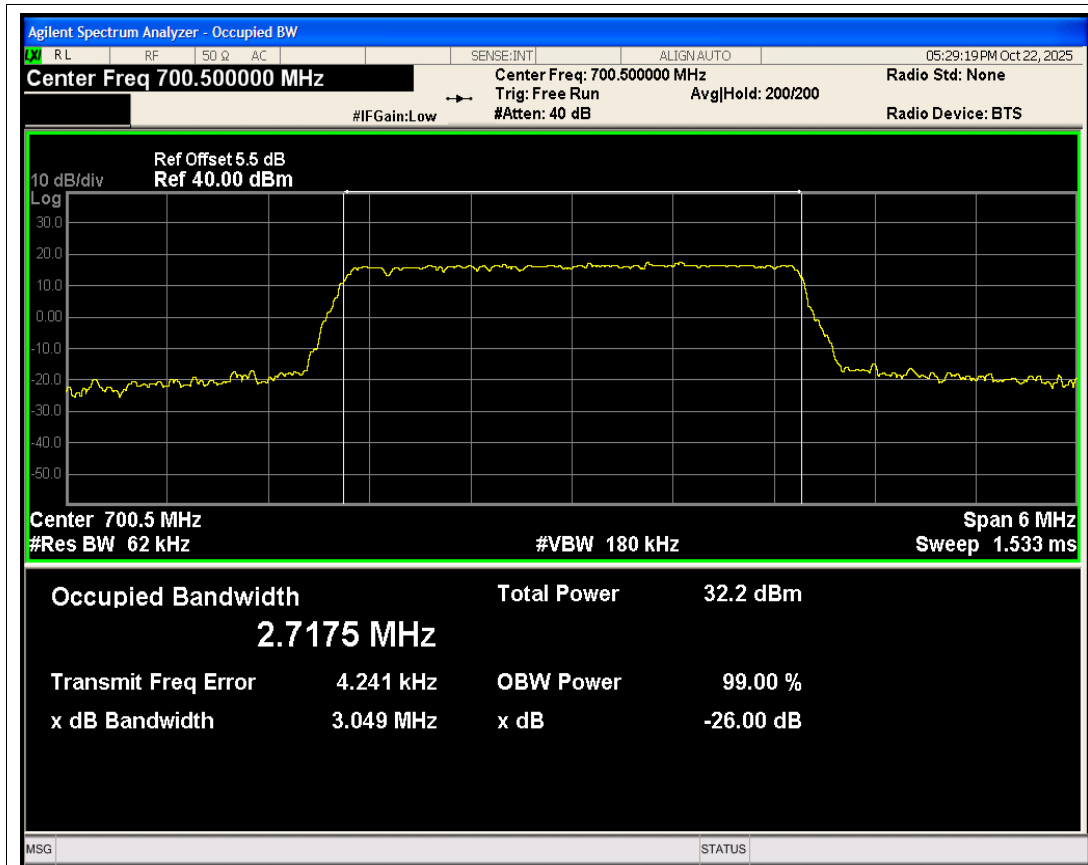




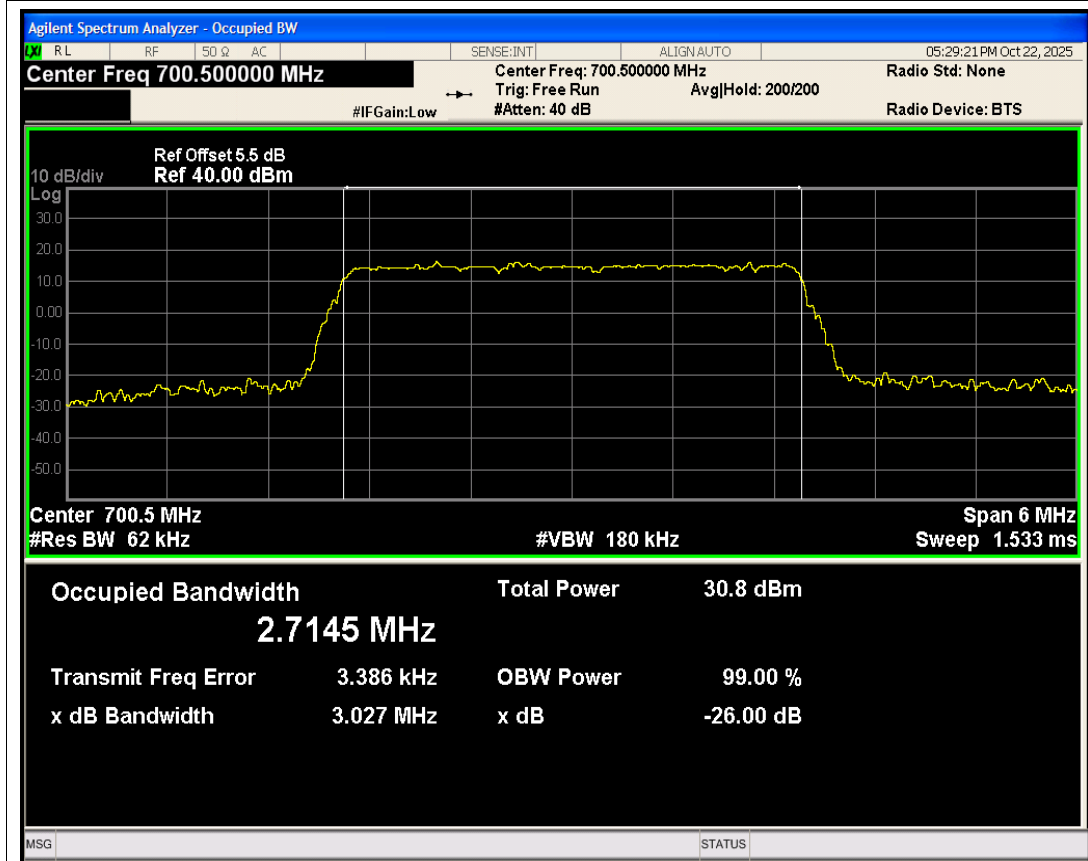
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

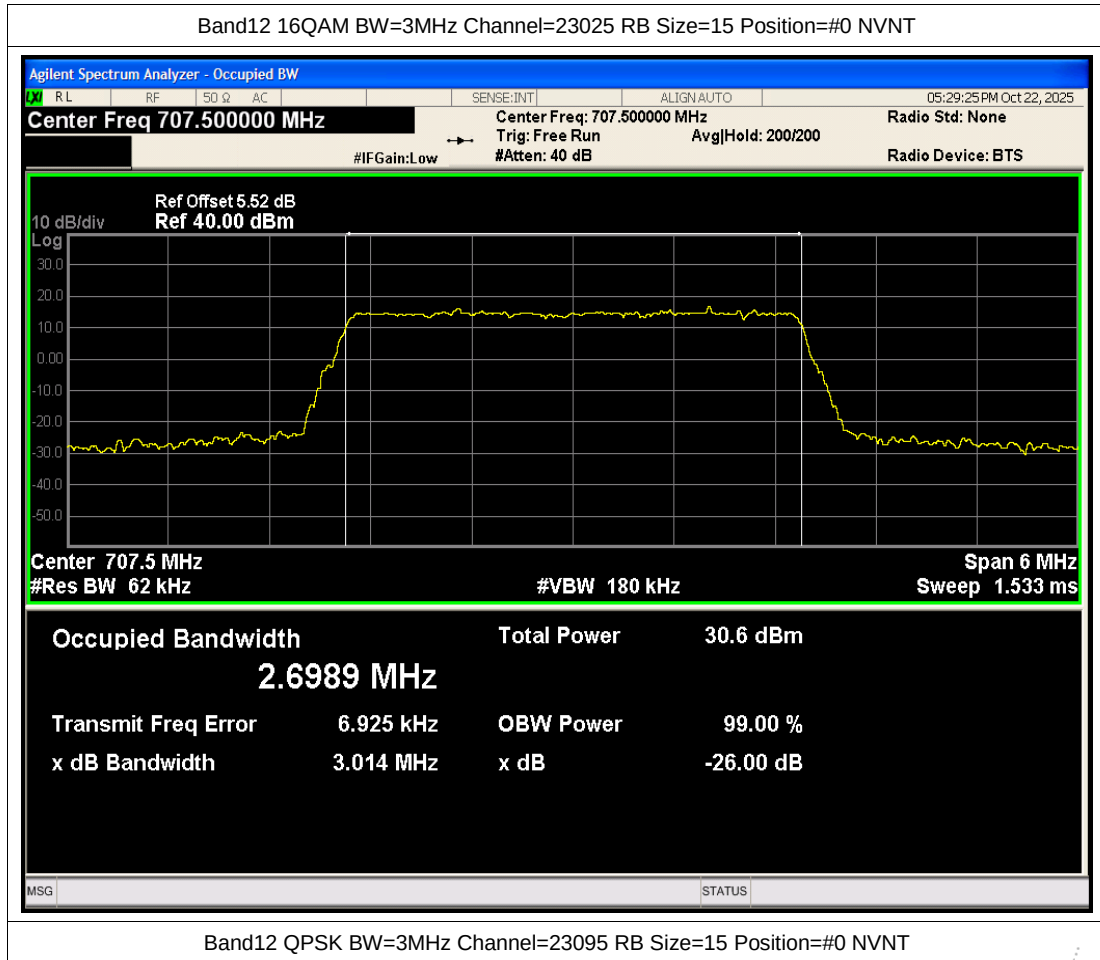


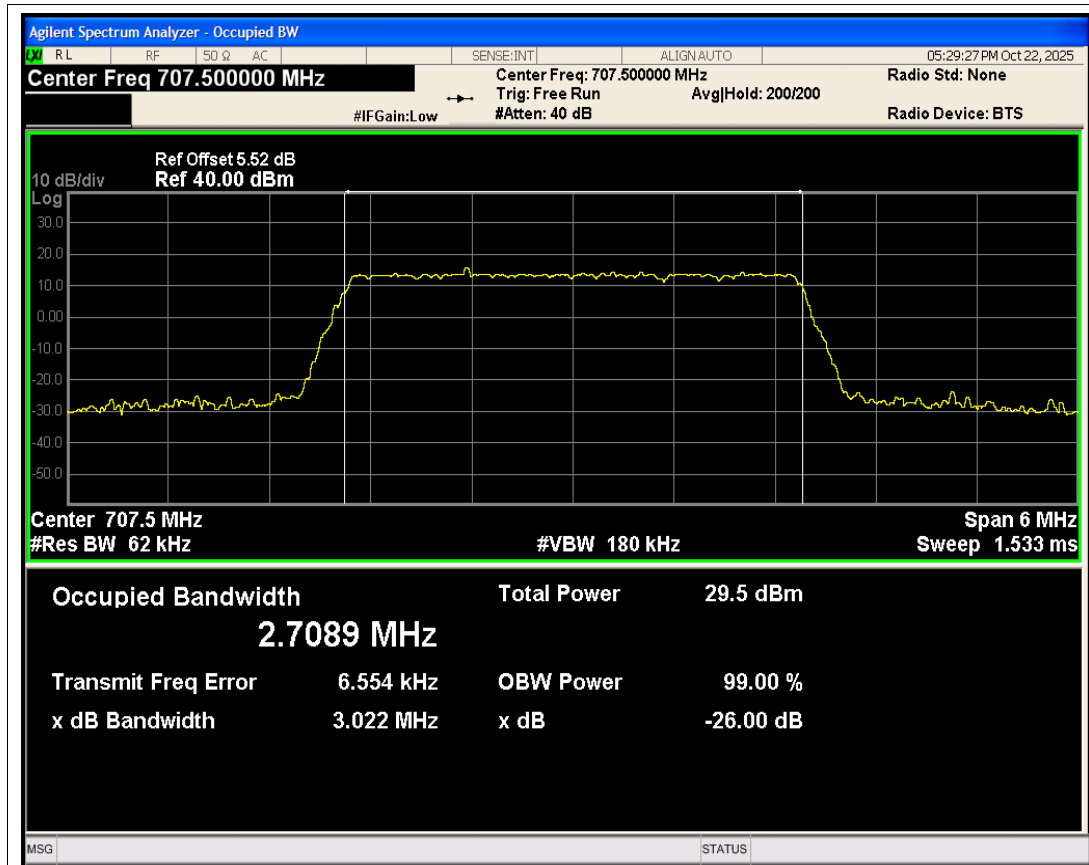




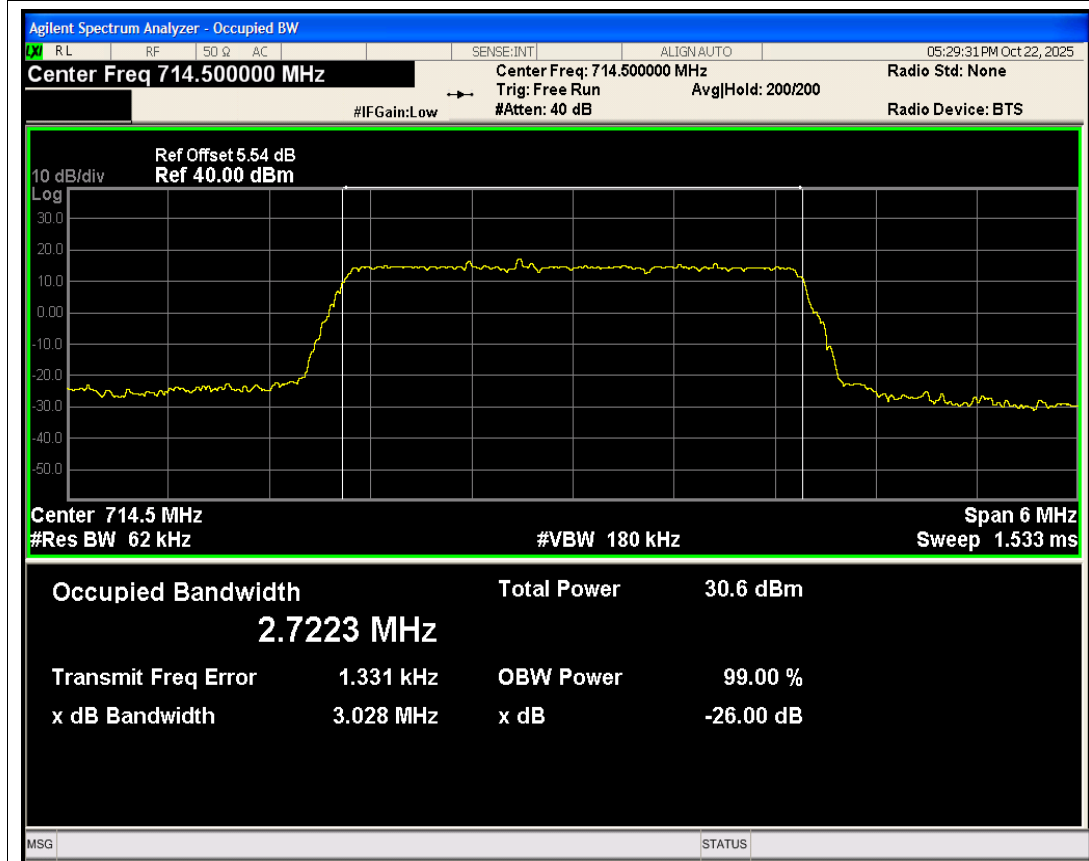
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT





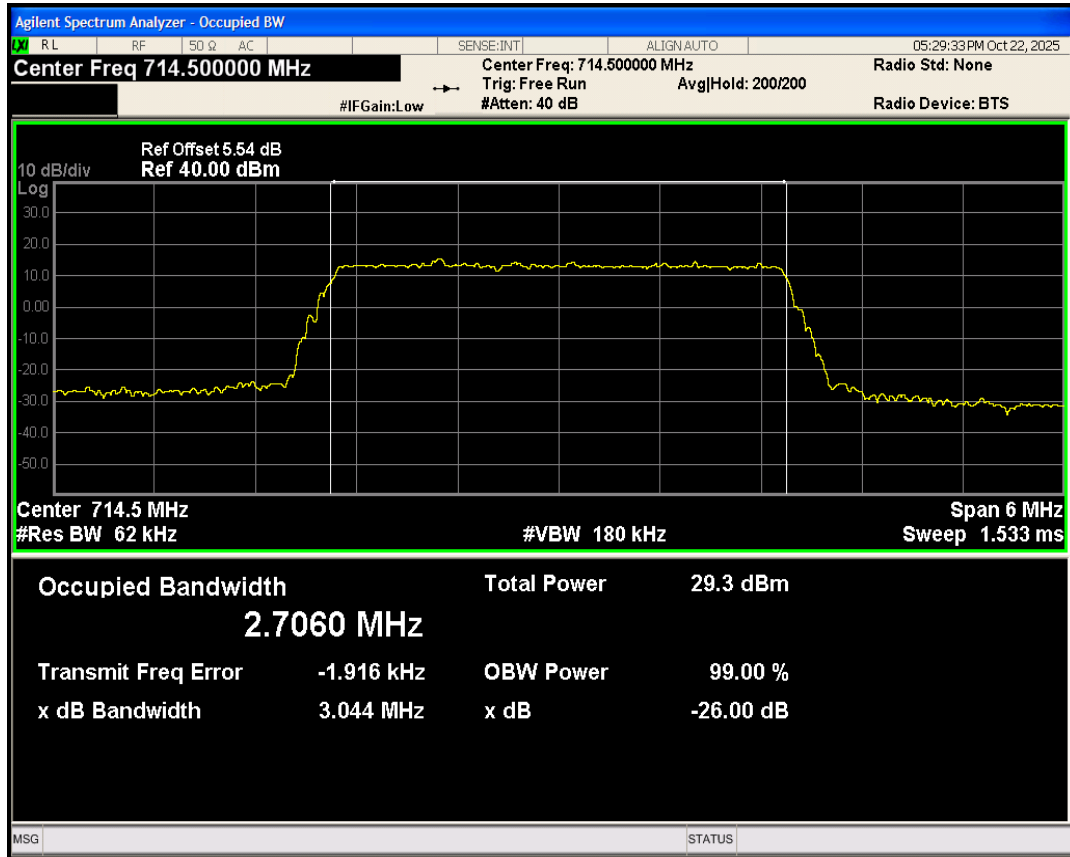


Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT

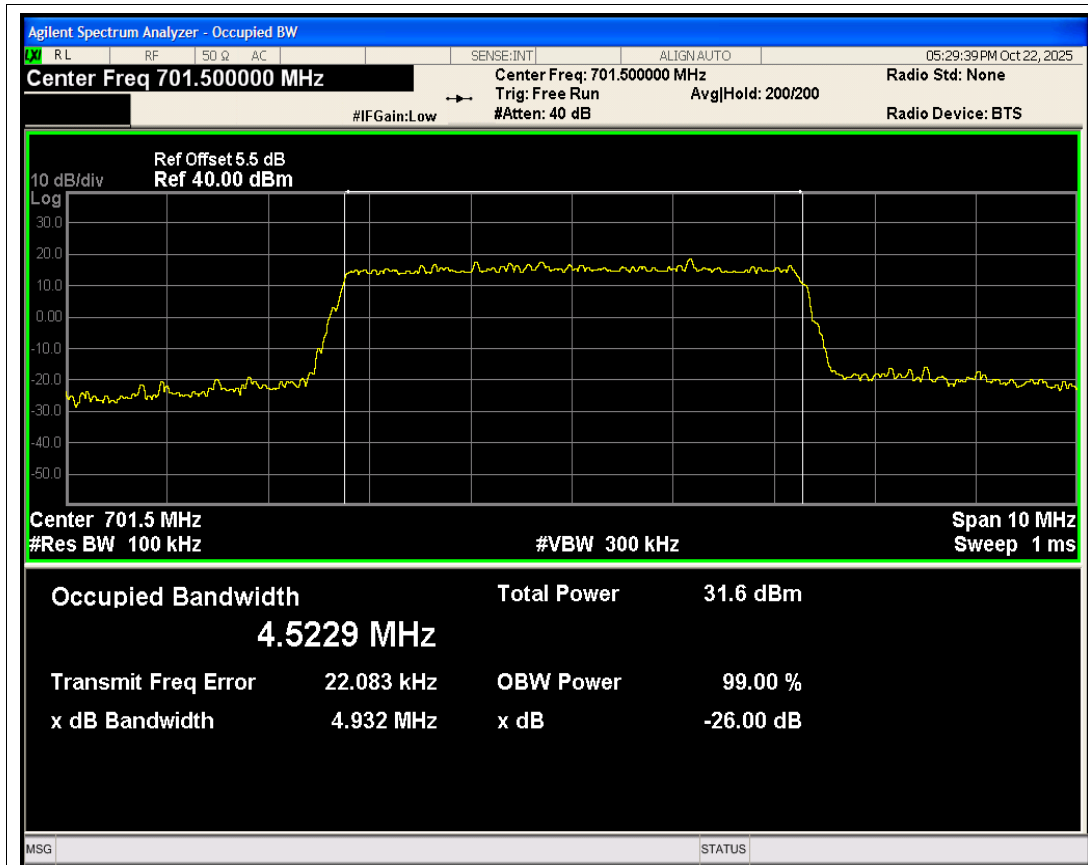




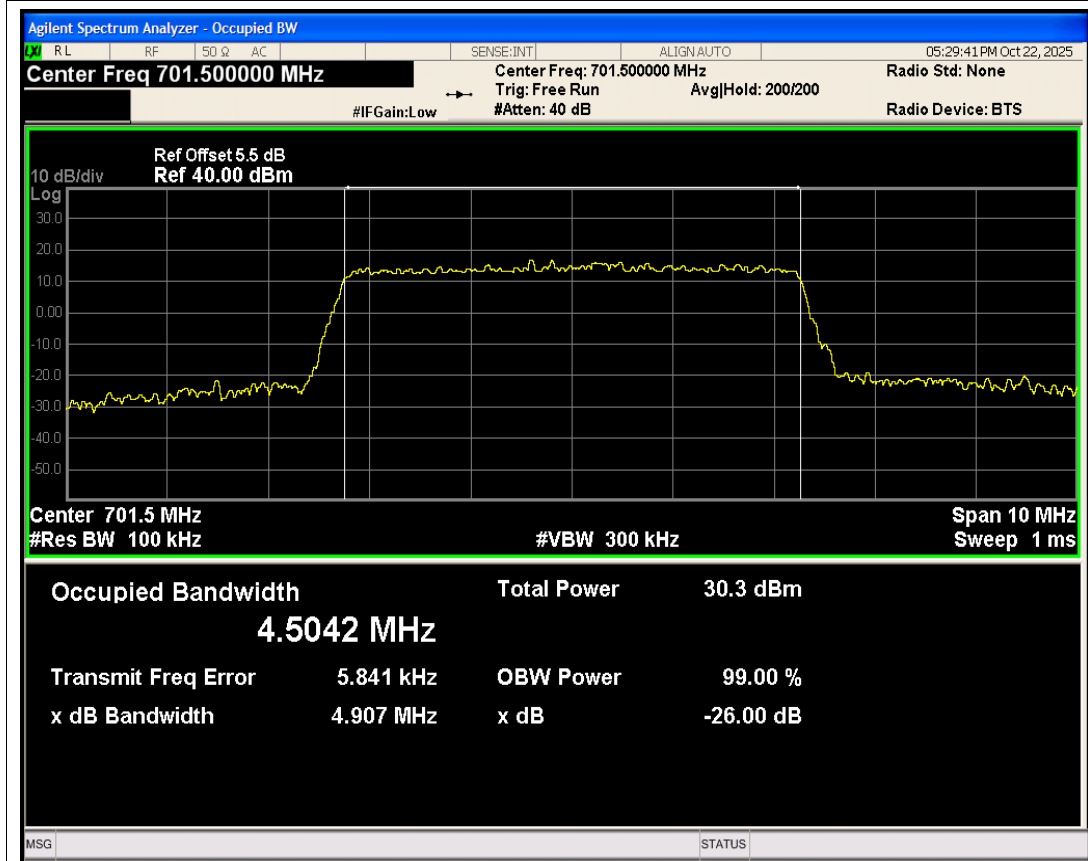
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

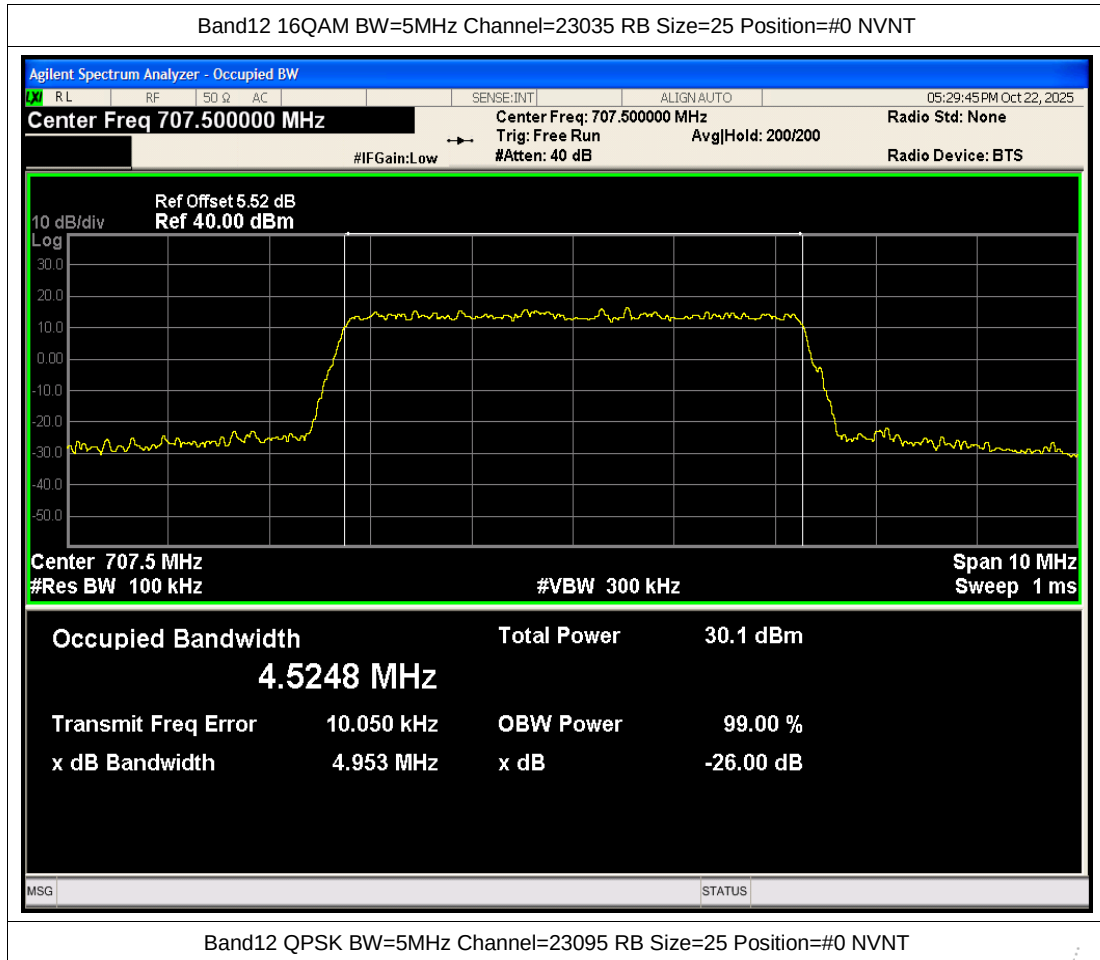


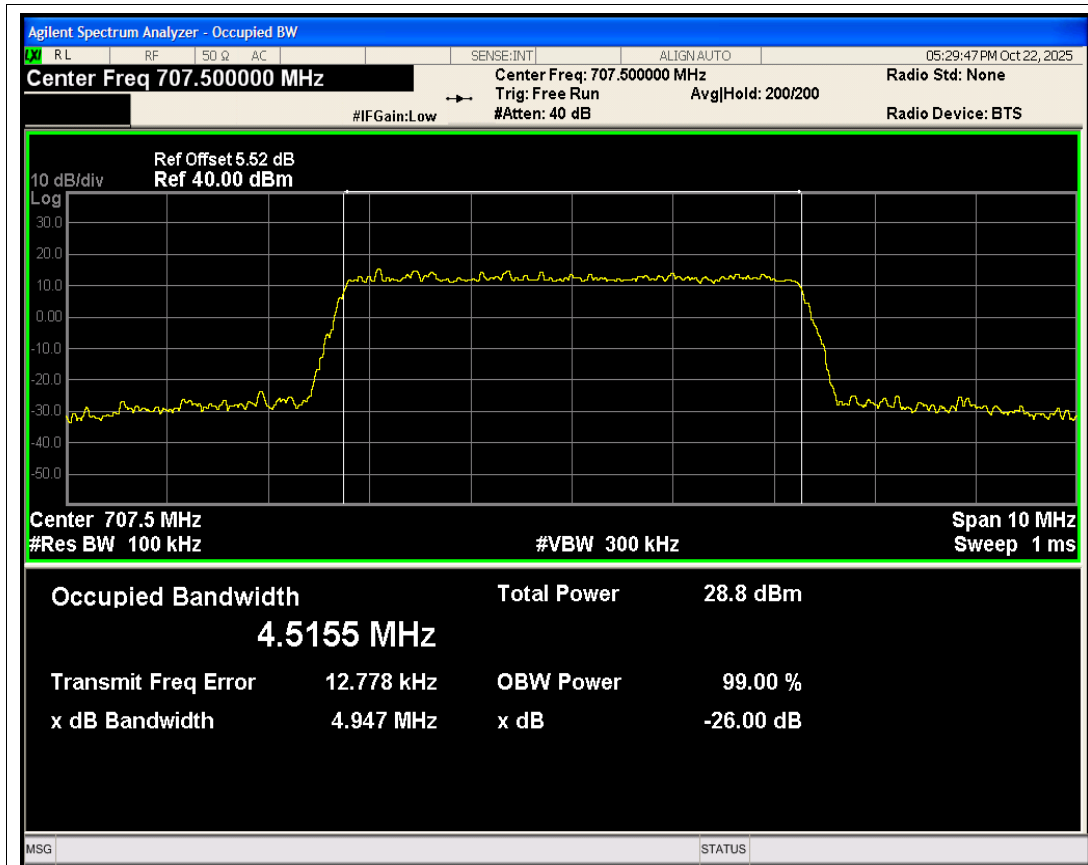
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



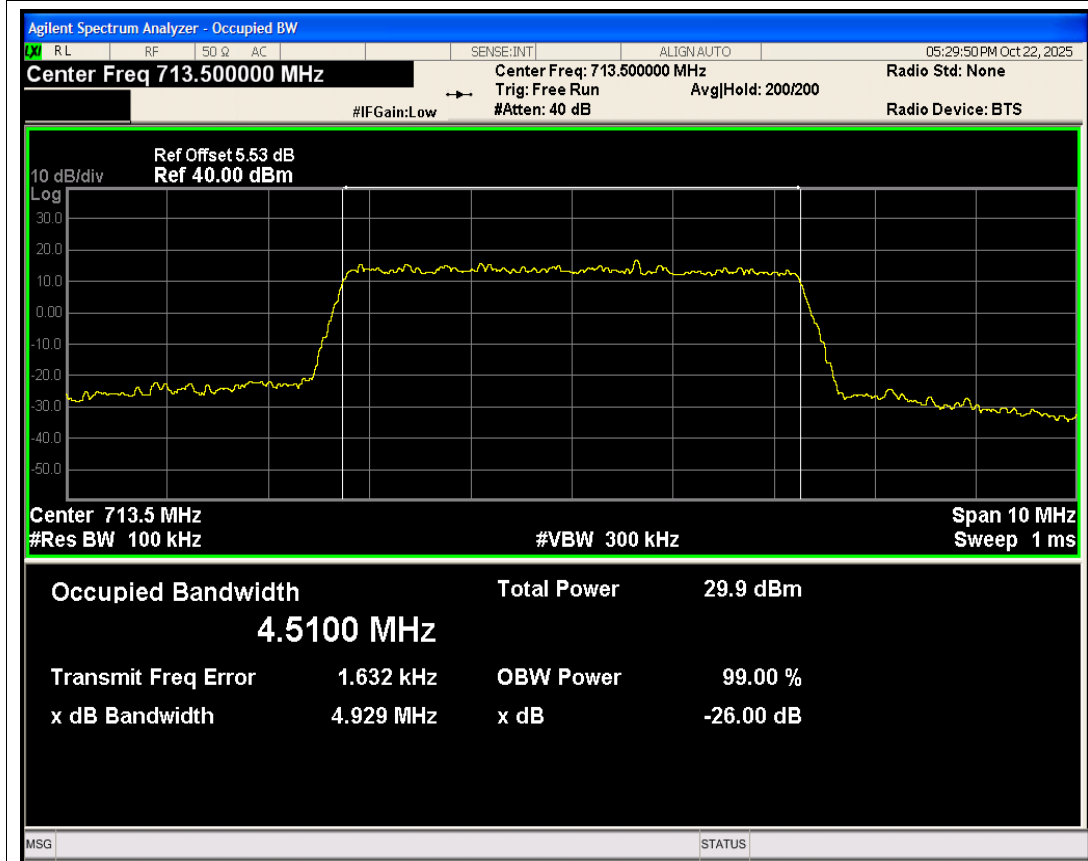
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT





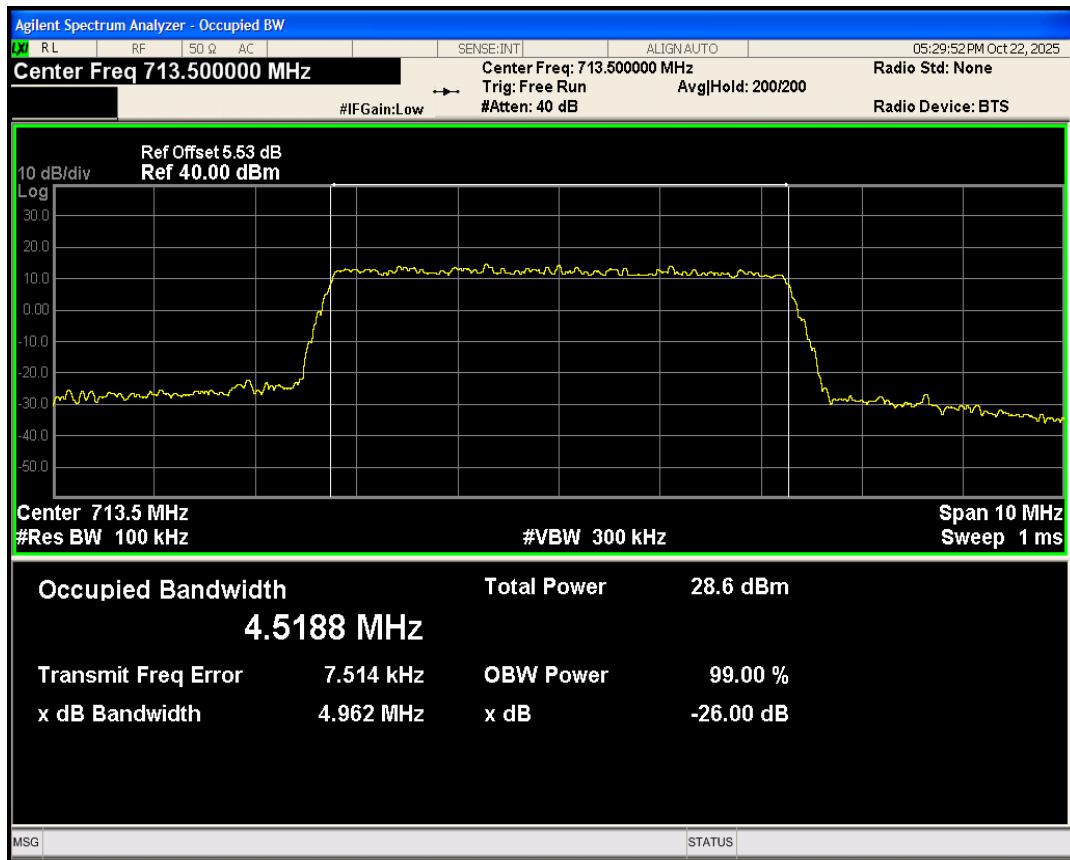


Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

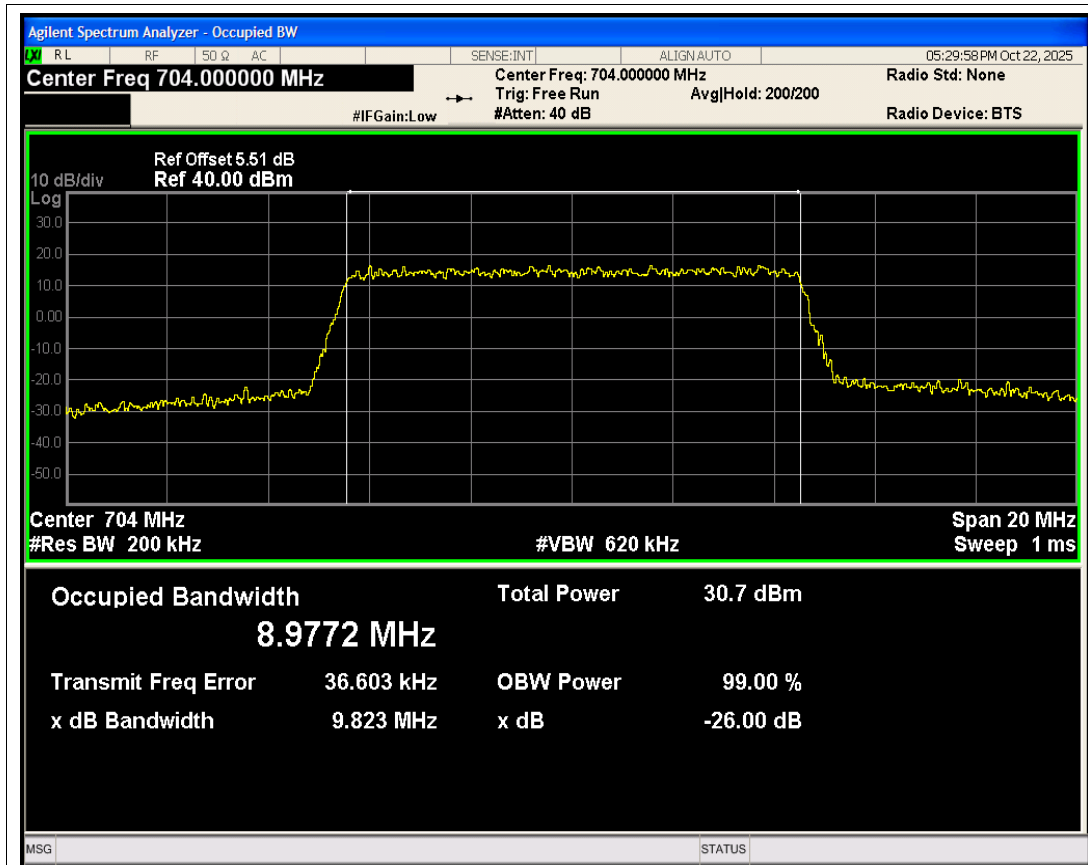




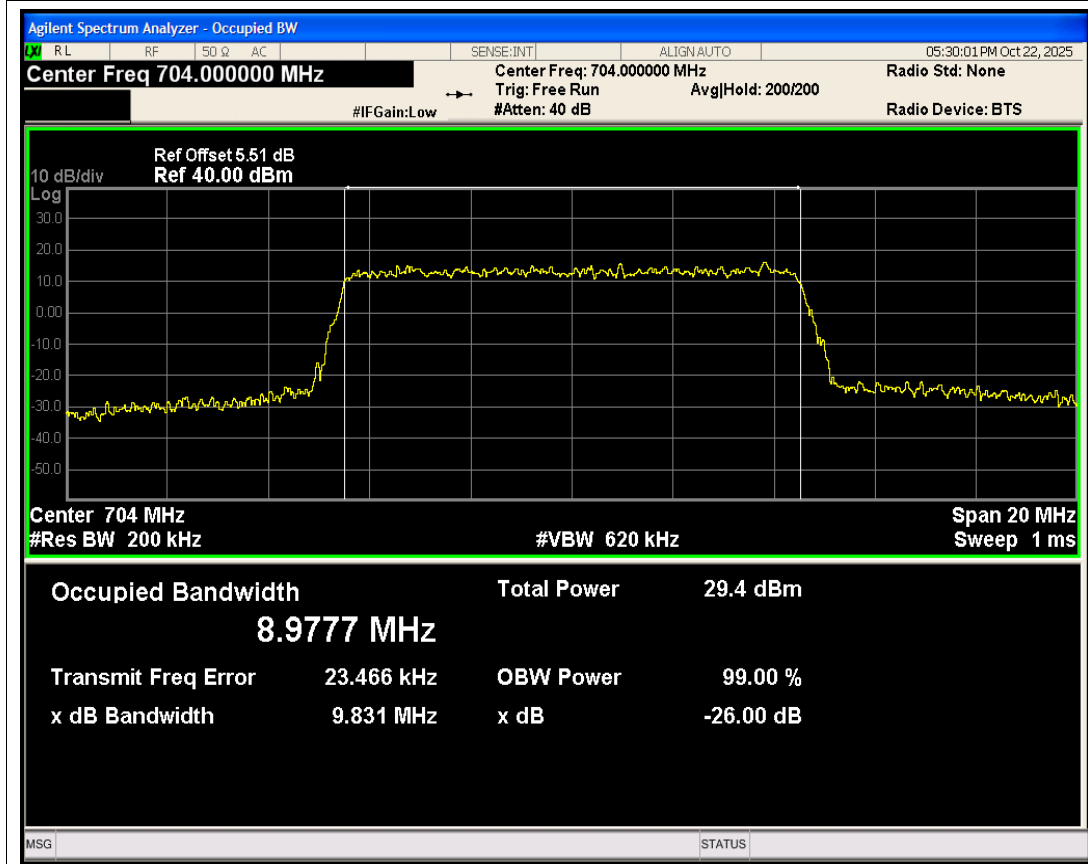
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

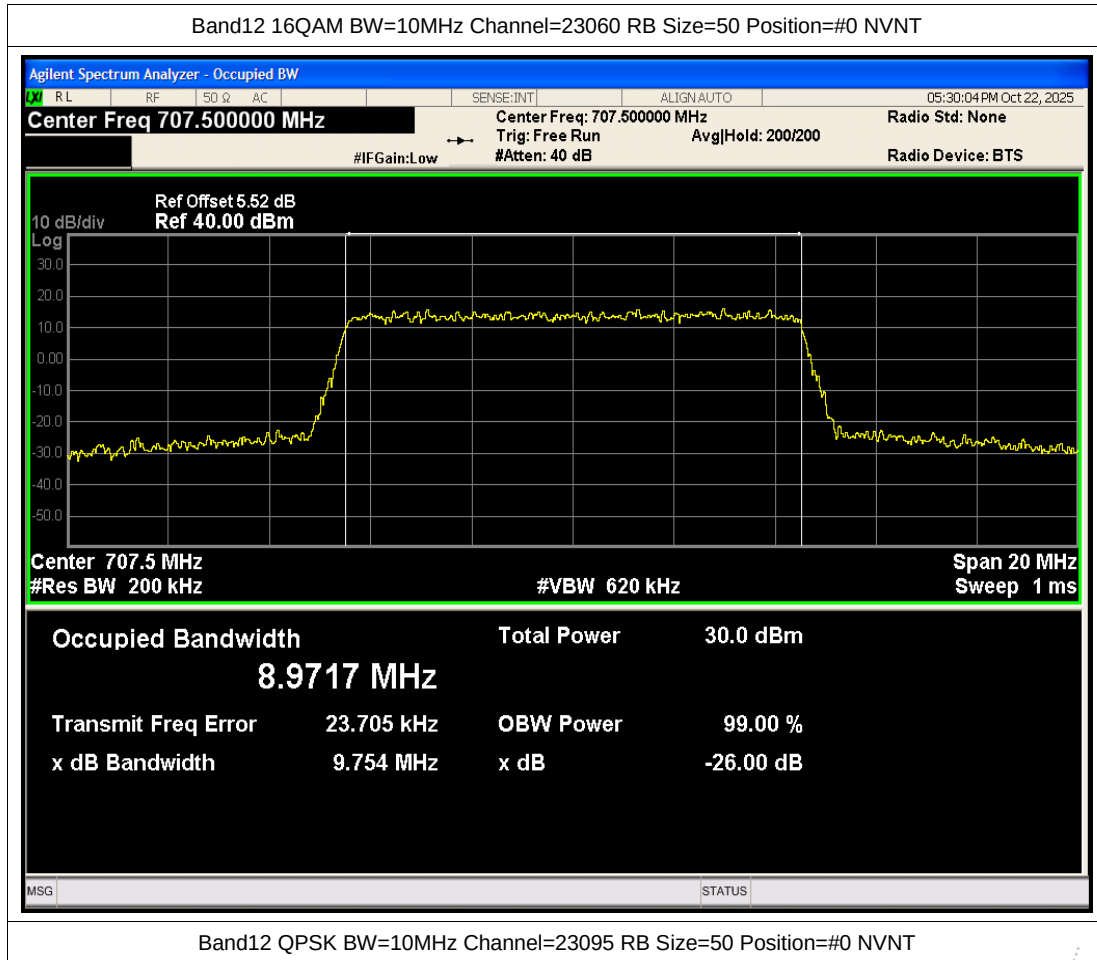


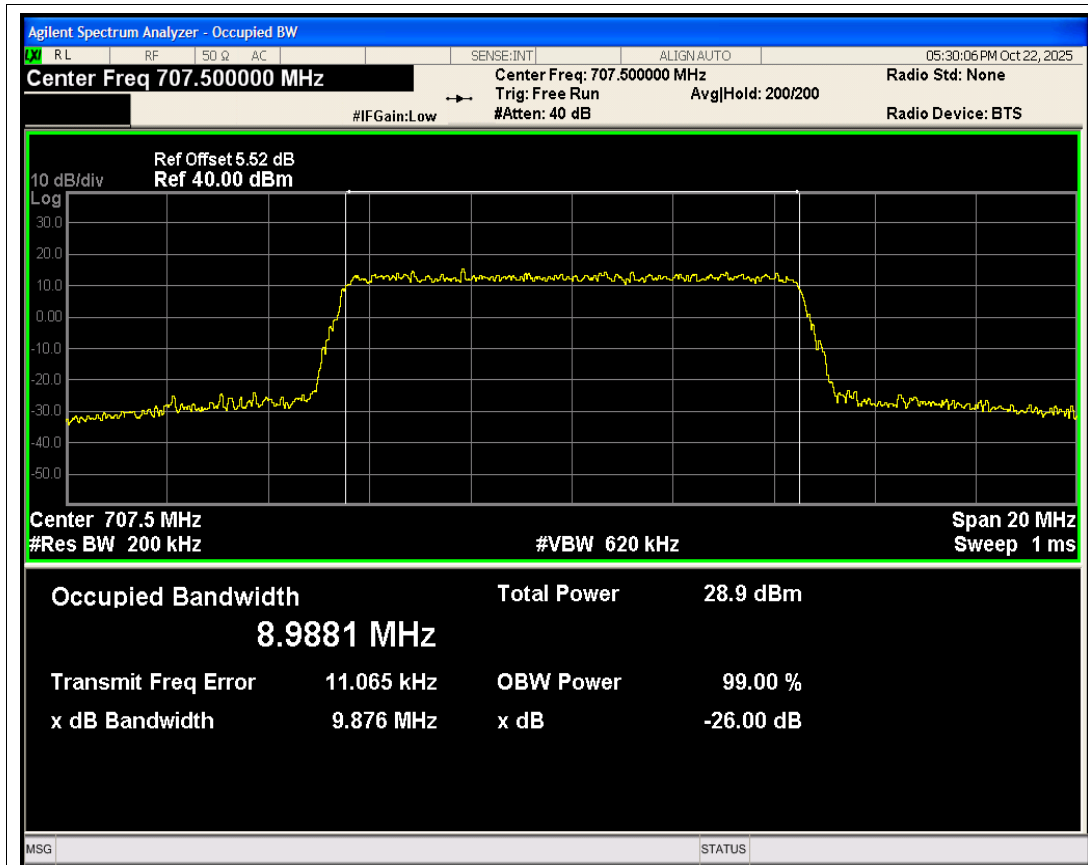
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



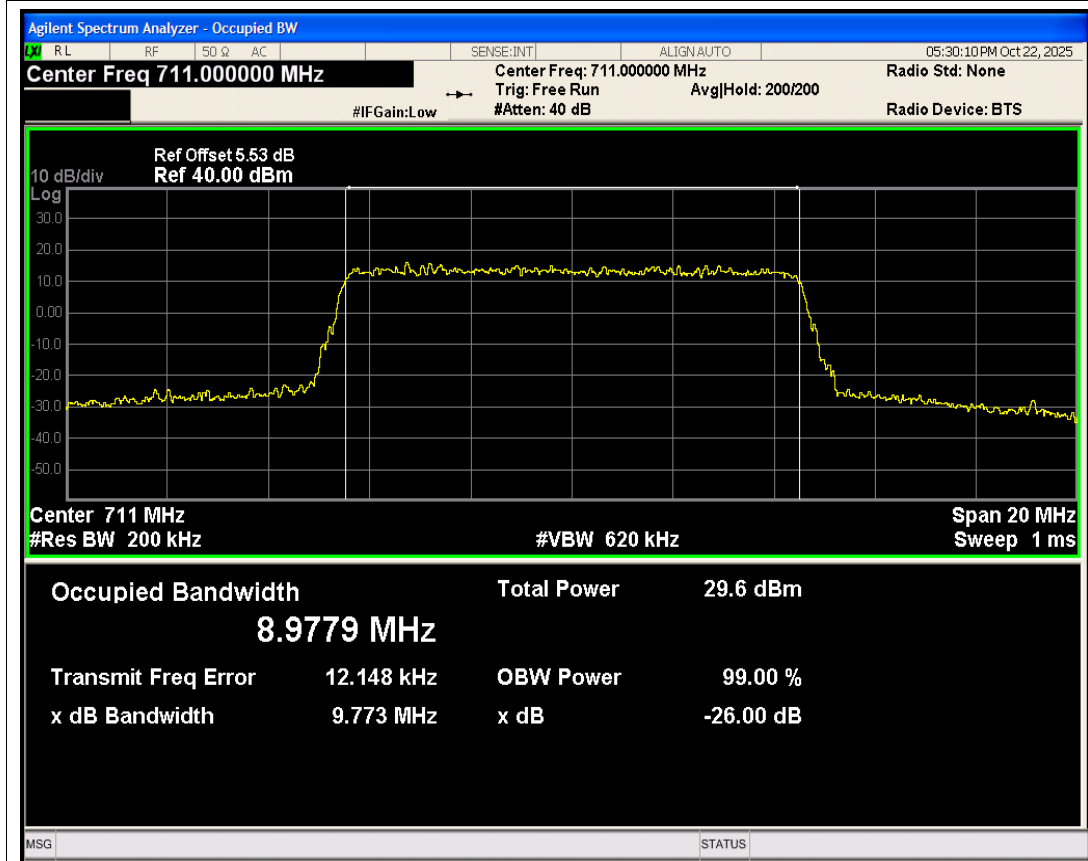
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

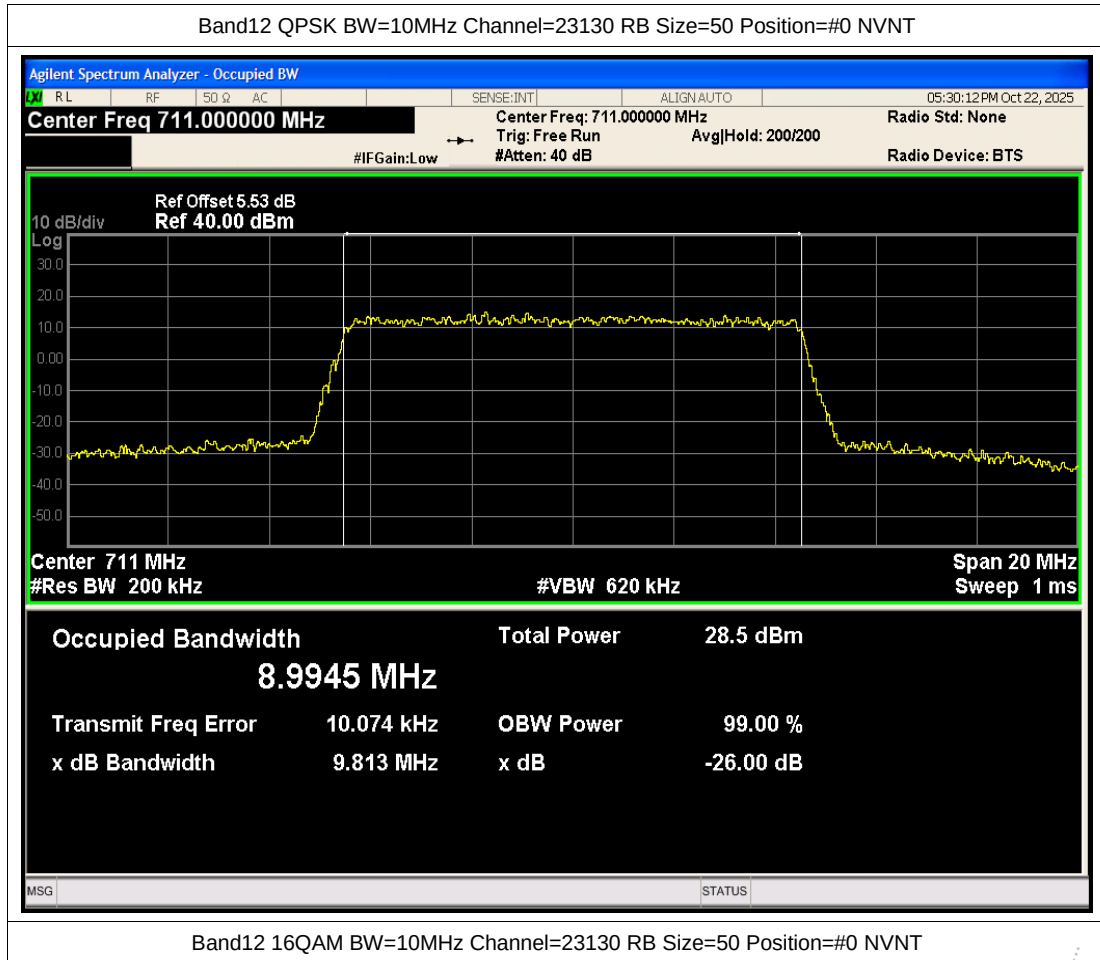






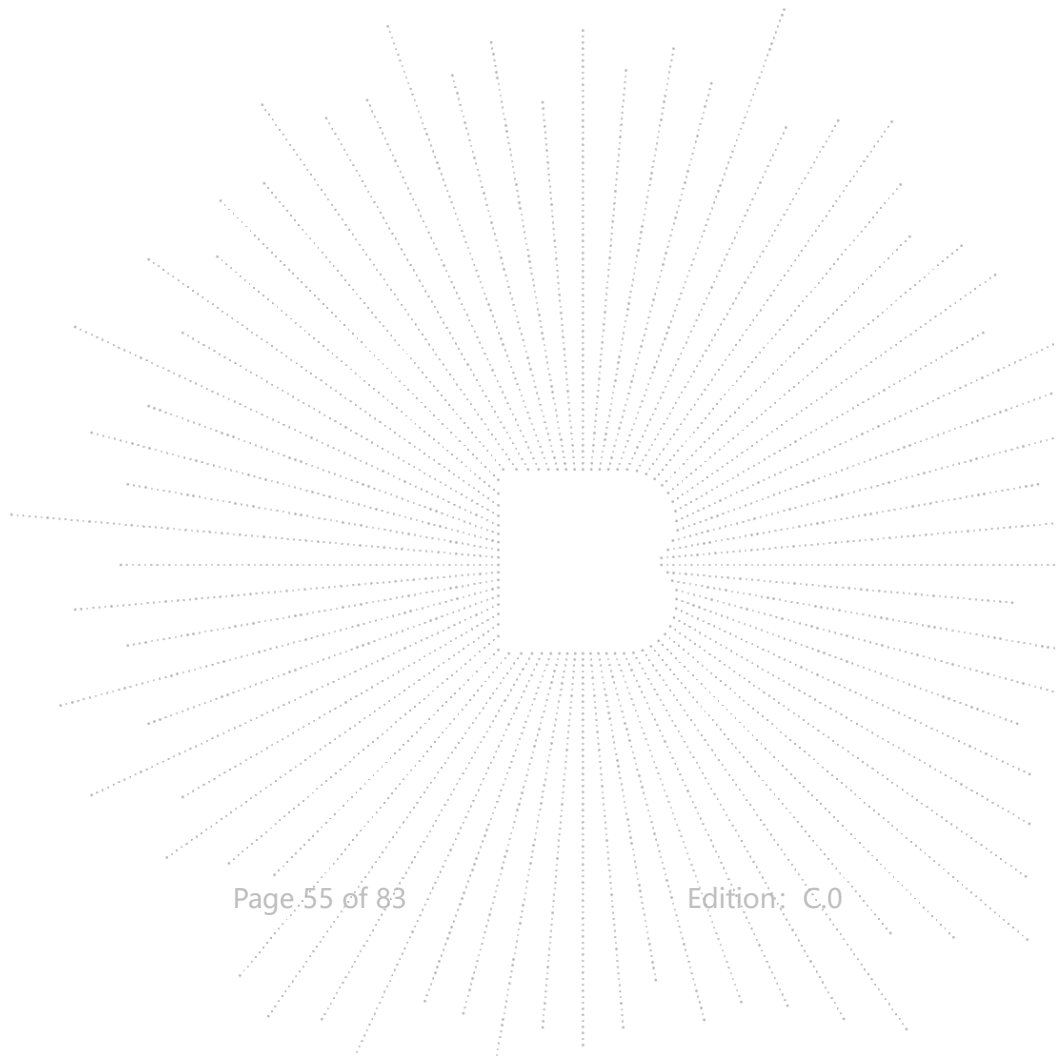
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT

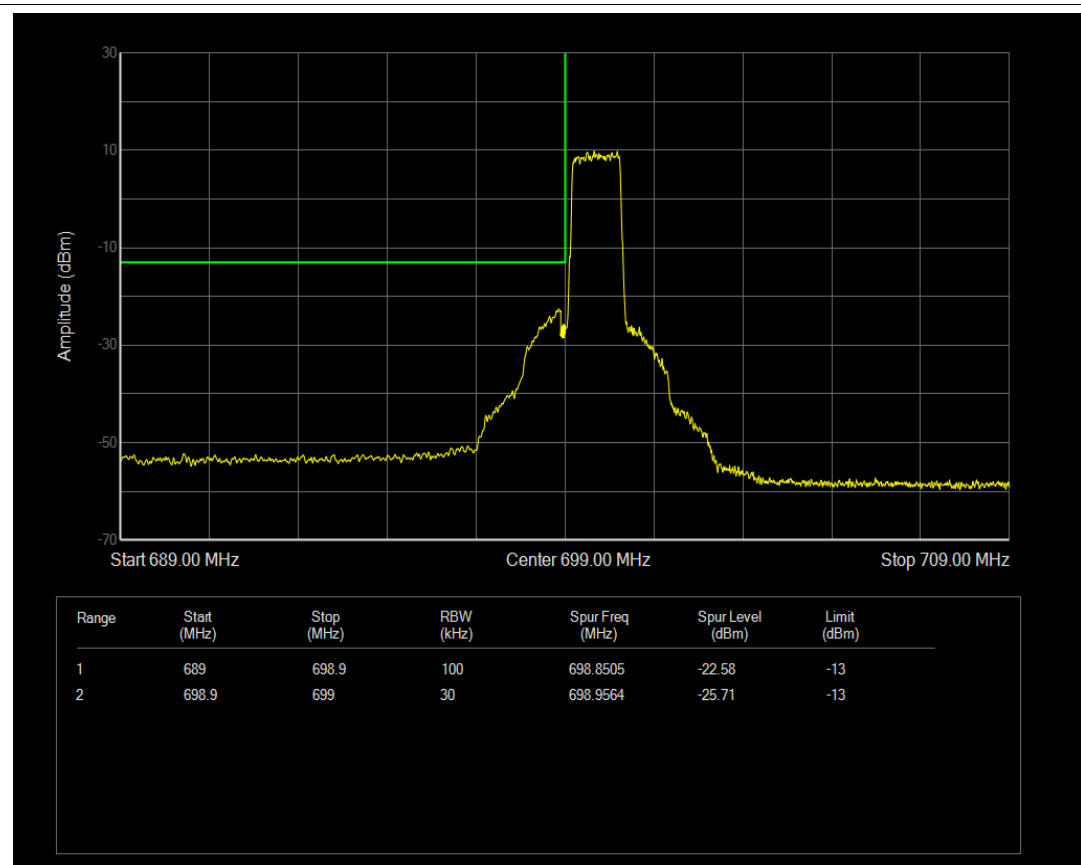




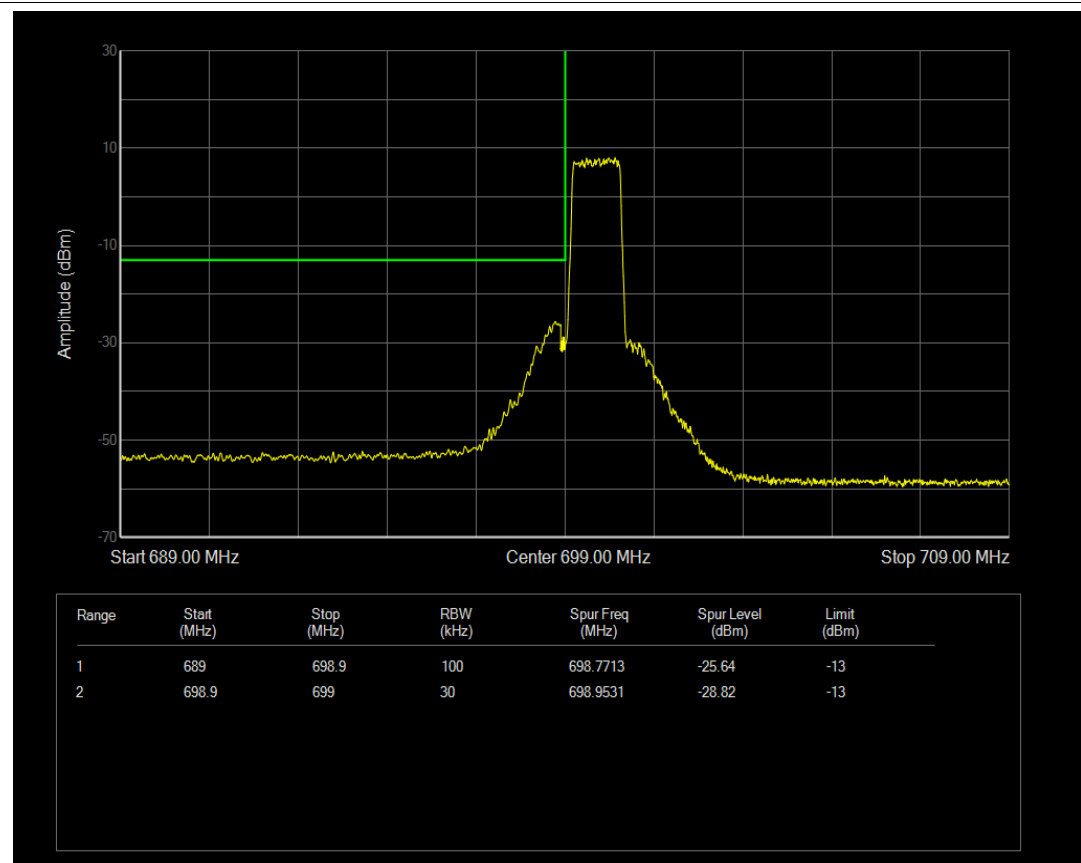
## Appendix 5.Band edge

| 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       | 698.85                | -22.58                 | -13            | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 698.77                | -25.64                 | -13            | PASS    |
|           |        |                    | 23173         | 6          | #0             | QPSK       | 716.12                | -25.87                 | -13            | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 716.13                | -29.53                 | -13            | PASS    |
|           |        | 3                  | 23025         | 15         | #0             | QPSK       | 699.00                | -22.16                 | -13            | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 699.00                | -23.74                 | -13            | PASS    |
|           |        |                    | 23165         | 15         | #0             | QPSK       | 716.00                | -25.93                 | -13            | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 716.00                | -25.80                 | -13            | PASS    |
|           |        | 5                  | 23035         | 25         | #0             | QPSK       | 698.90                | -28.54                 | -13            | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 698.76                | -32.18                 | -13            | PASS    |
|           |        |                    | 23155         | 25         | #0             | QPSK       | 716.38                | -33.18                 | -13            | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 716.00                | -34.43                 | -13            | PASS    |
|           |        | 10                 | 23060         | 50         | #0             | QPSK       | 698.90                | -34.08                 | -13            | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 698.84                | -37.80                 | -13            | PASS    |
|           |        |                    | 23130         | 50         | #0             | QPSK       | 716.15                | -35.57                 | -13            | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 716.11                | -37.62                 | -13            | PASS    |

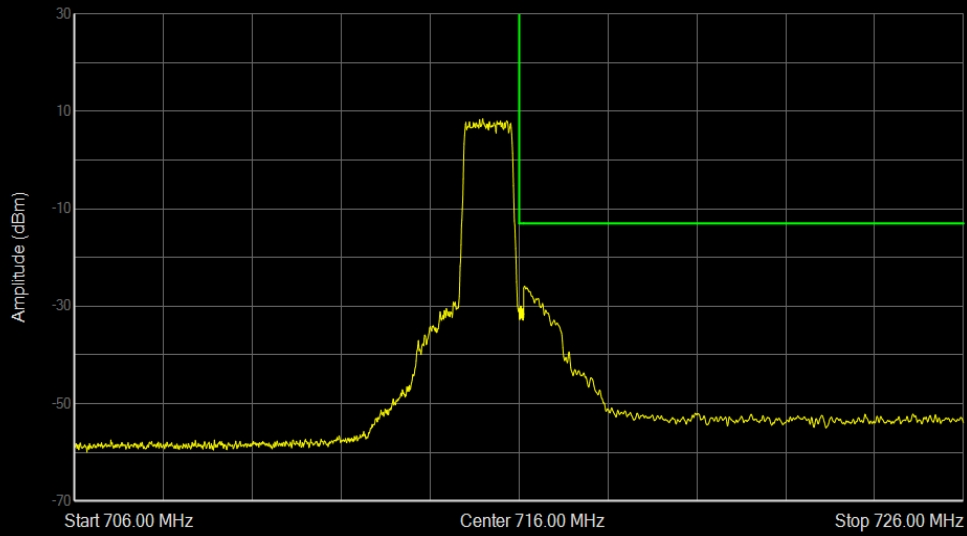




Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

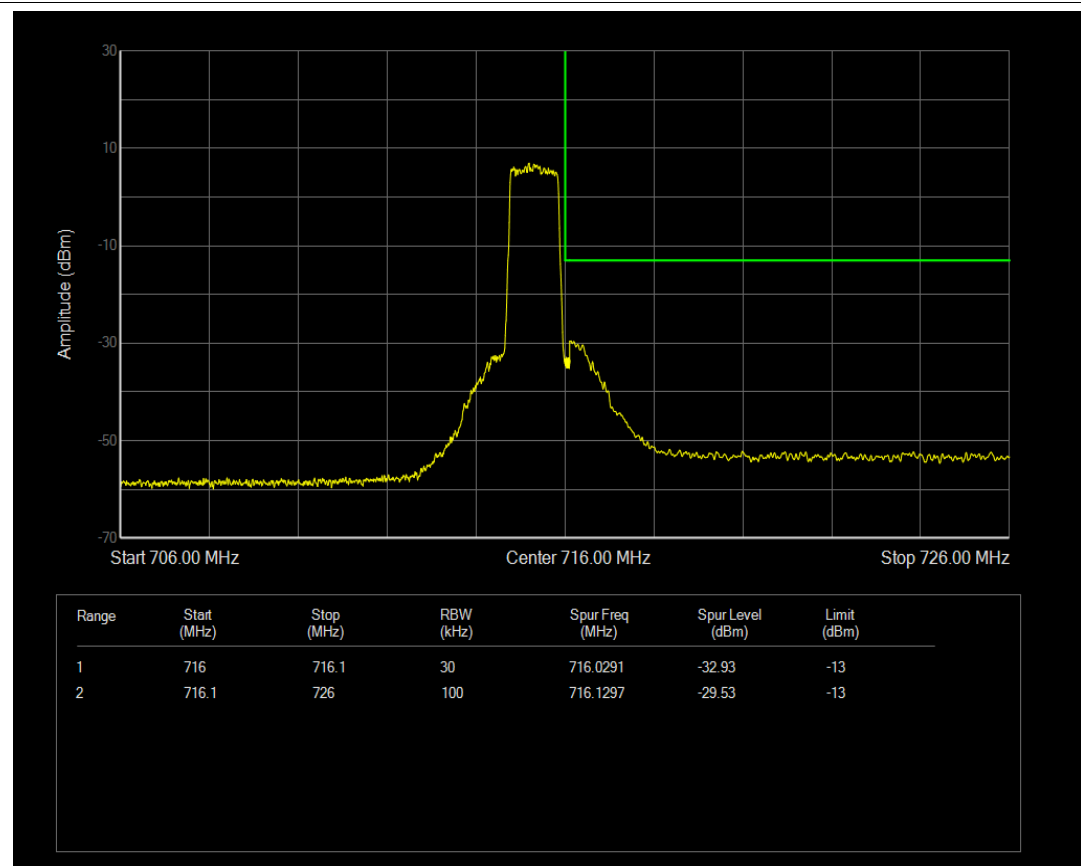


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

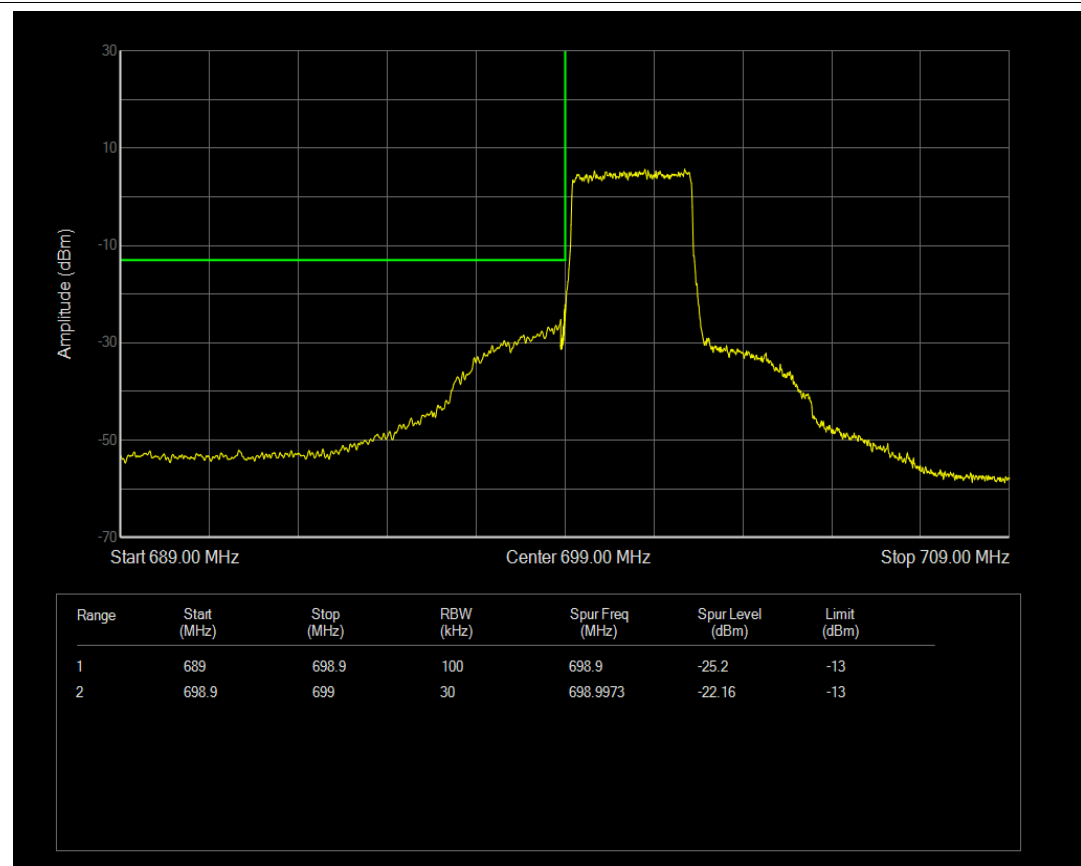


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 716         | 716.1      | 30        | 716.0362        | -29.98           | -13         |
| 2     | 716.1       | 726        | 100       | 716.1198        | -25.87           | -13         |

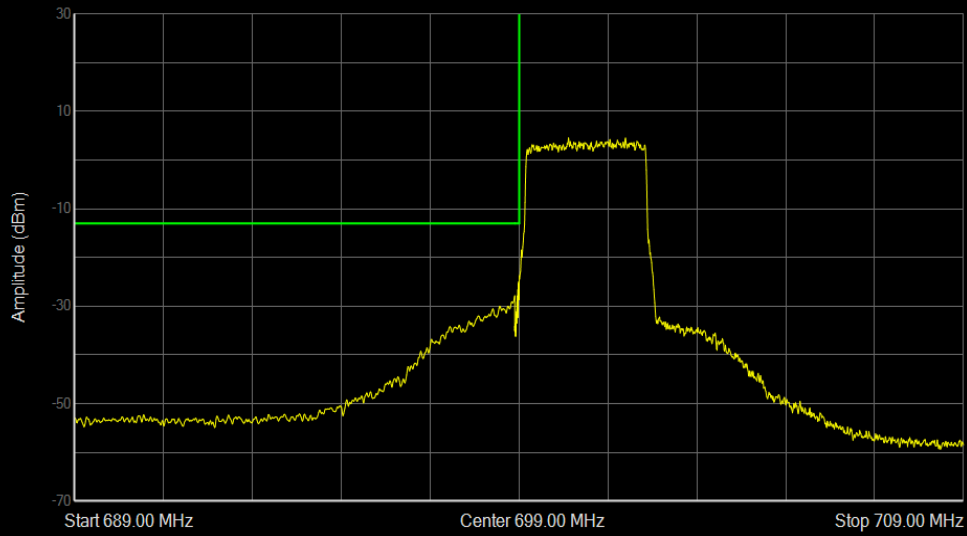
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



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

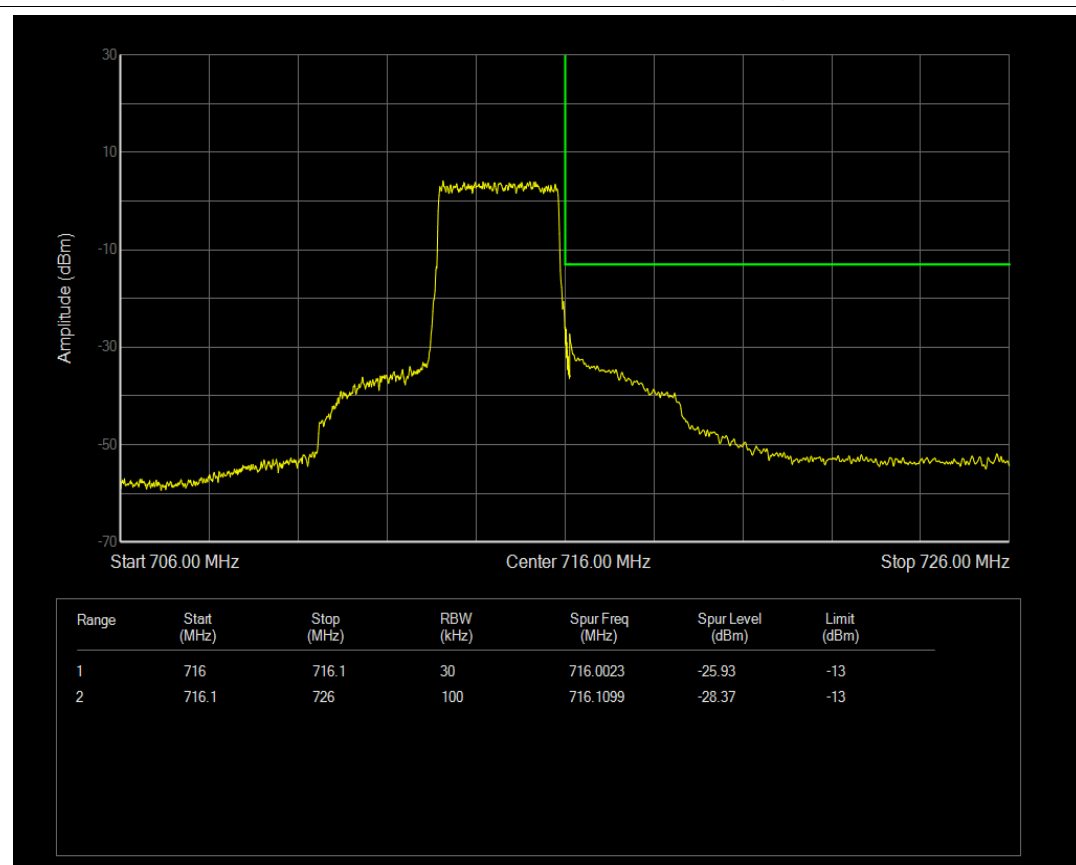


Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

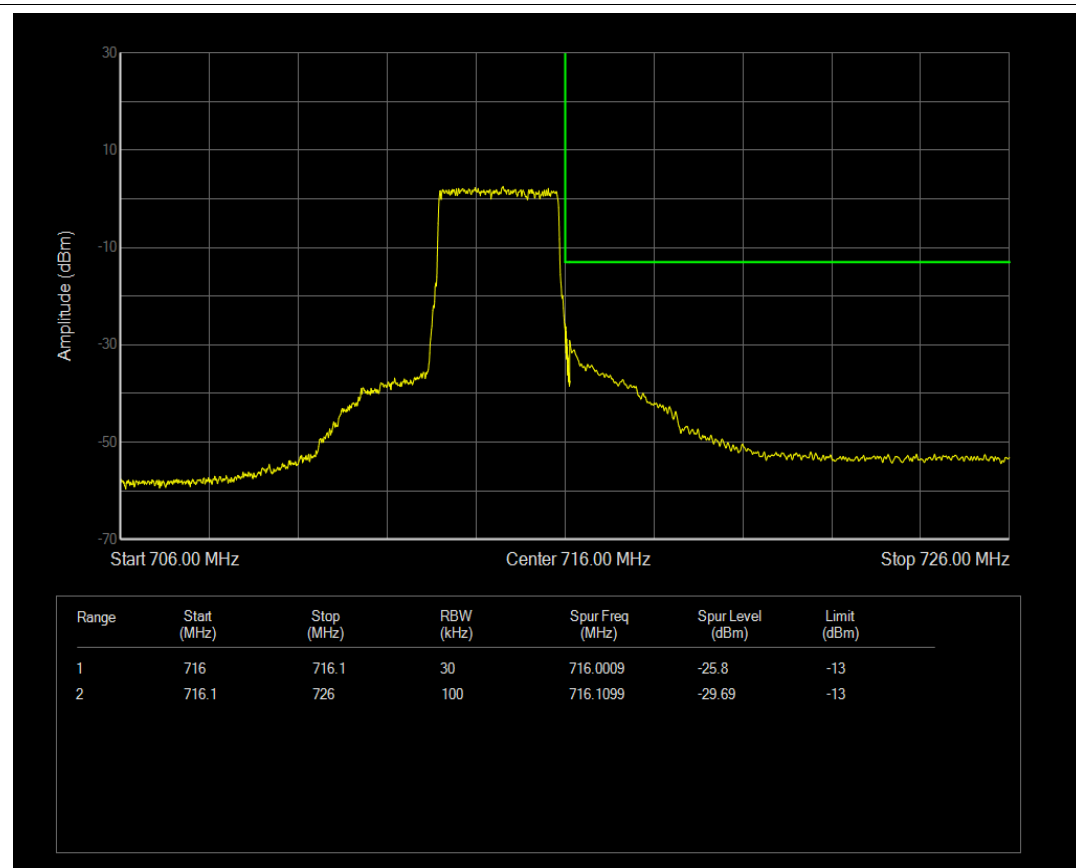


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 689         | 698.9      | 100       | 698.9           | -27.85           | -13         |
| 2     | 698.9       | 699        | 30        | 699             | -23.74           | -13         |

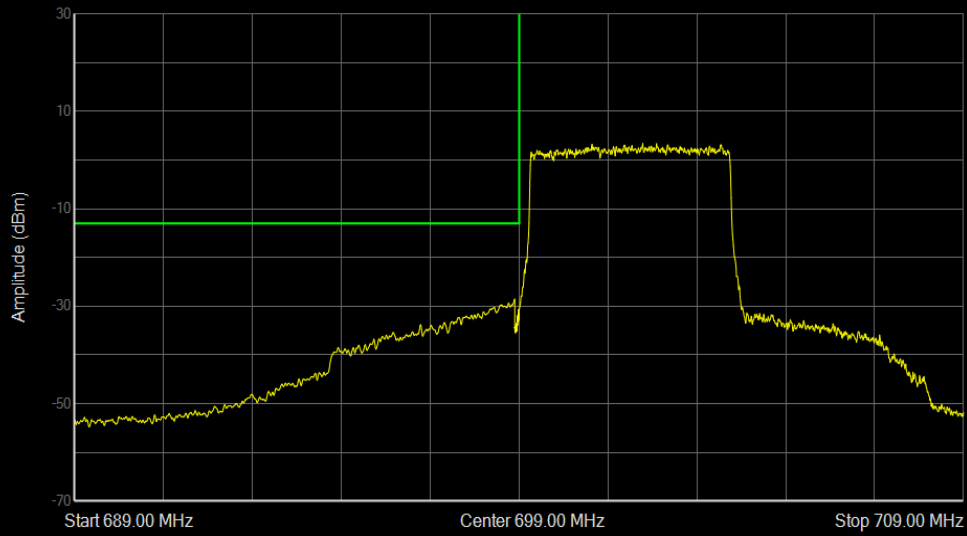
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT



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

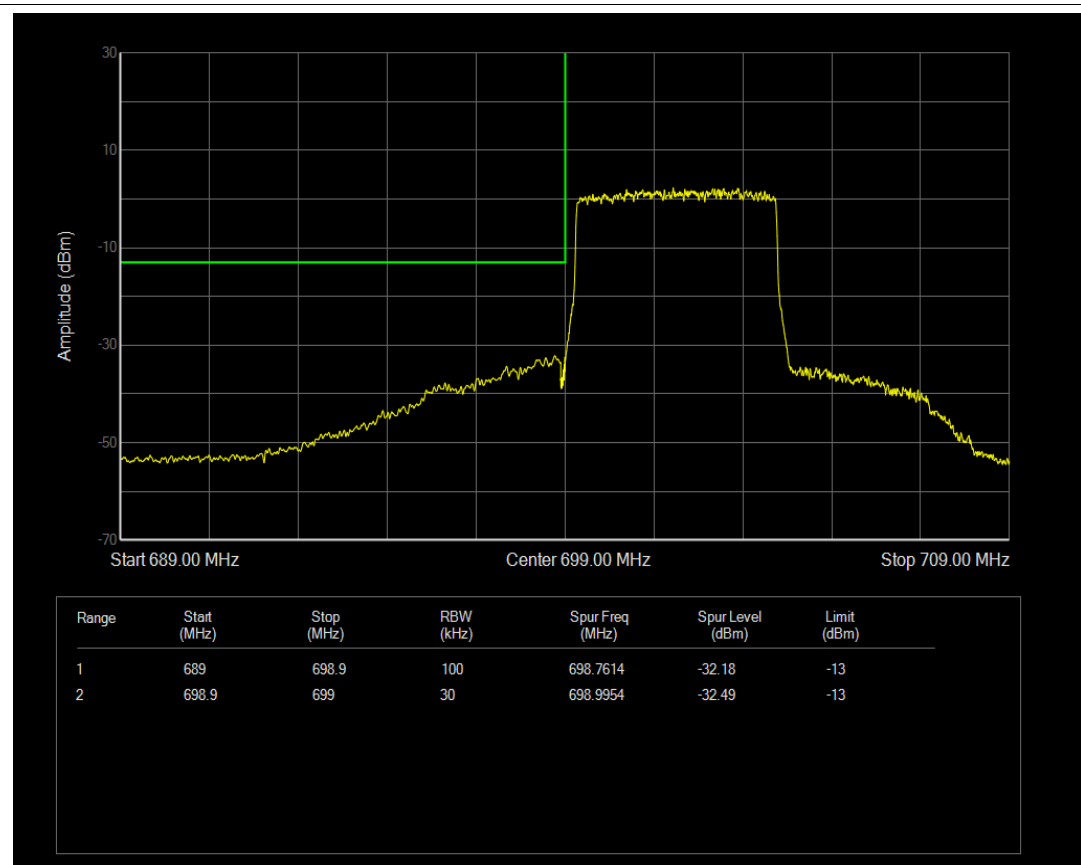


Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

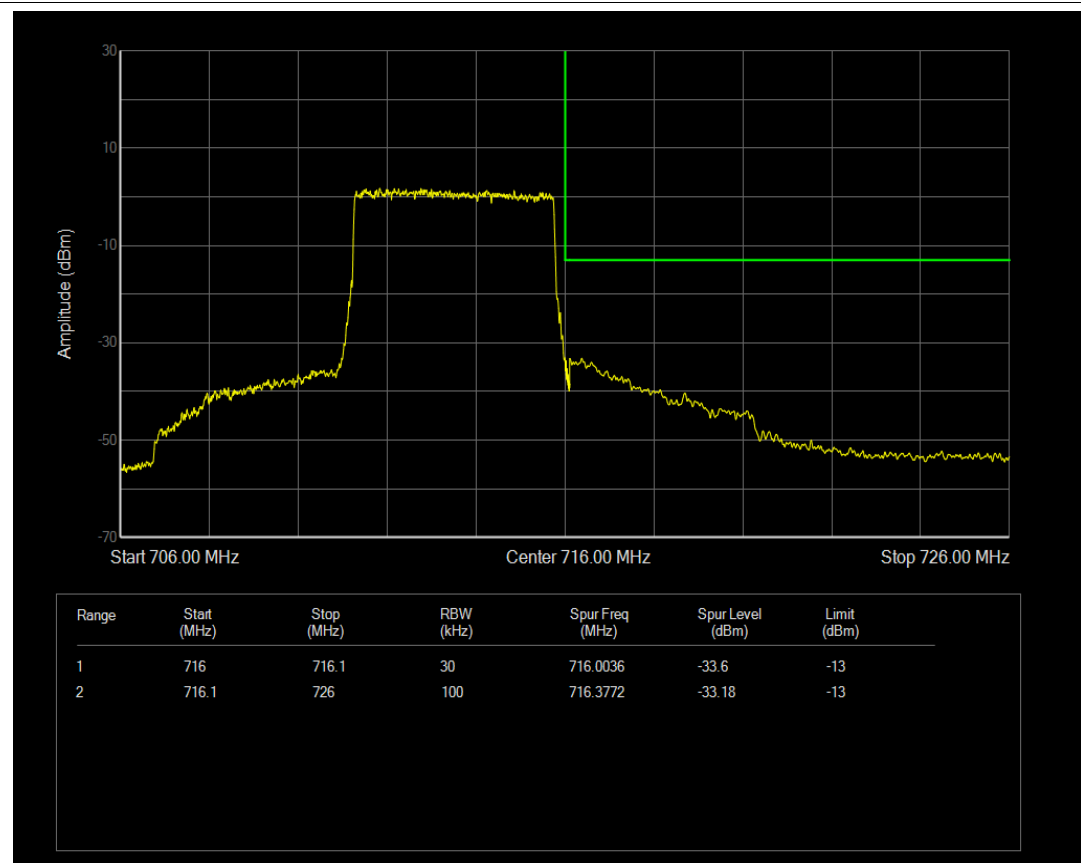


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 689         | 698.9      | 100       | 698.9           | -28.54           | -13         |
| 2     | 698.9       | 699        | 30        | 698.9911        | -30.67           | -13         |

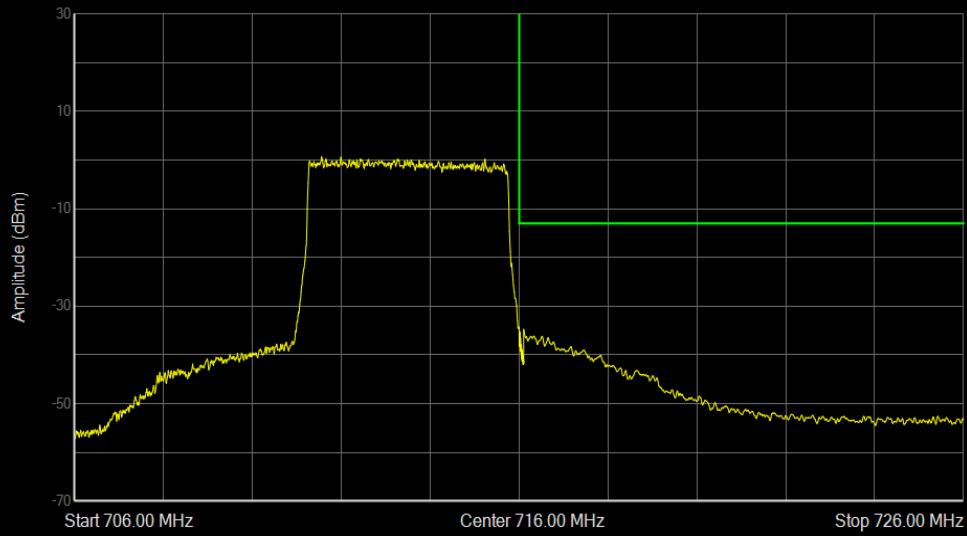
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



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

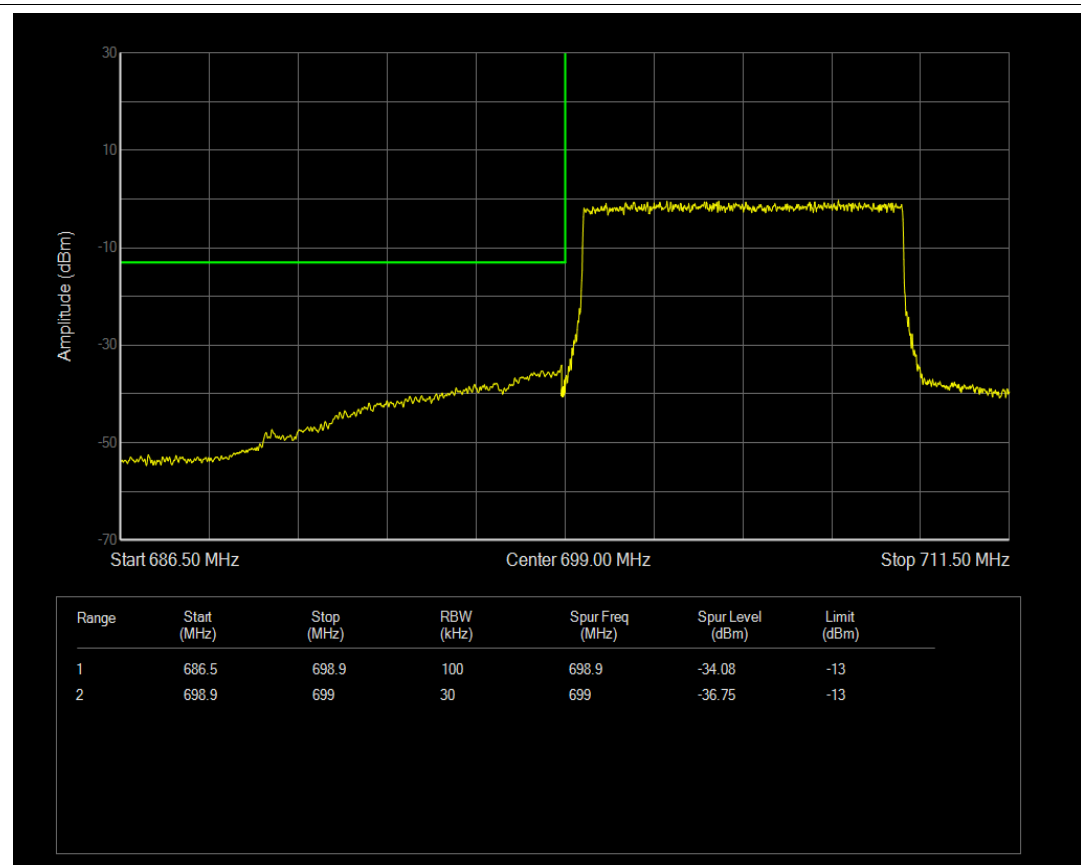


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT

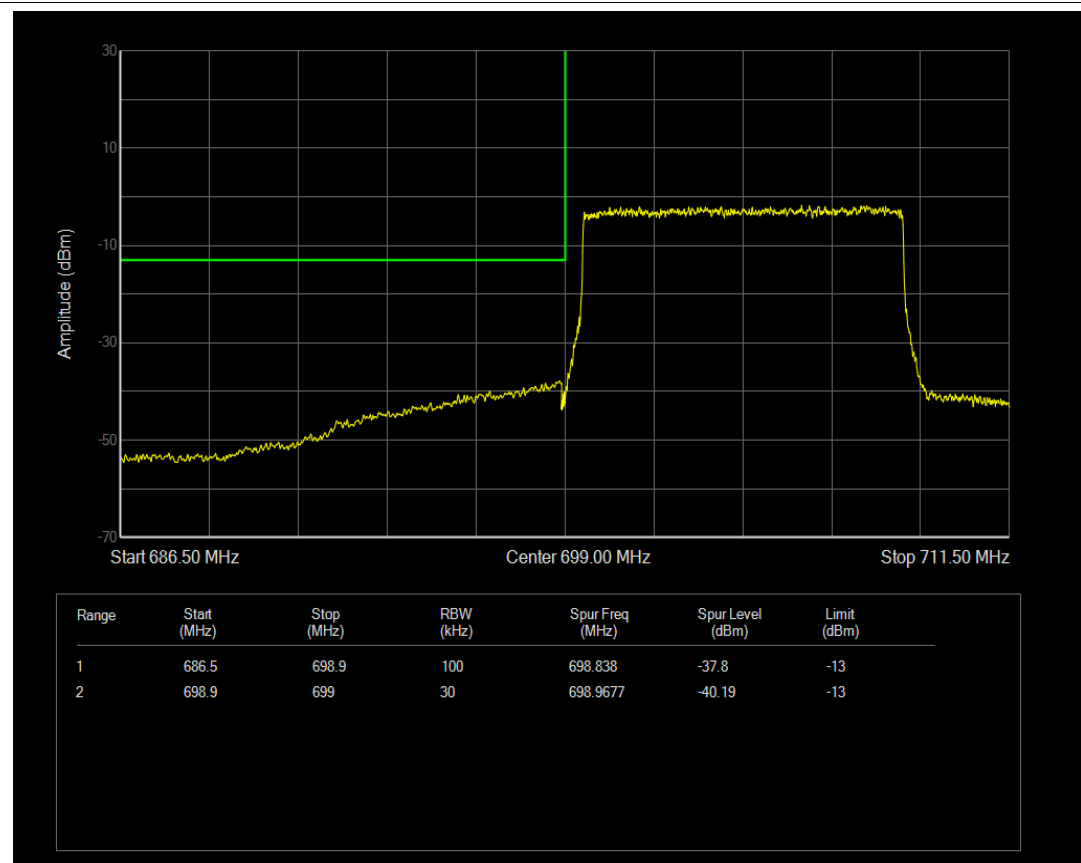


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 716         | 716.1      | 30        | 716.0001        | -34.43           | -13         |
| 2     | 716.1       | 726        | 100       | 716.1099        | -35.24           | -13         |

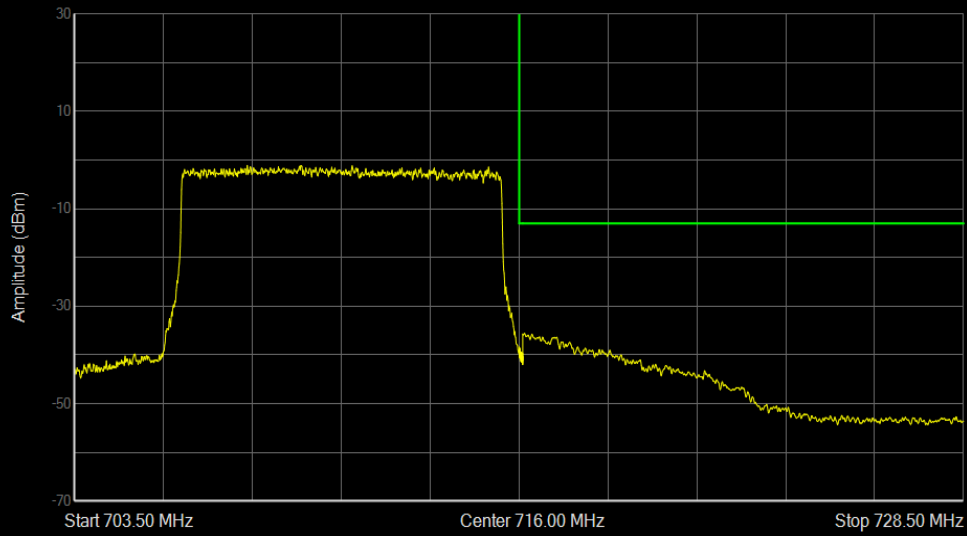
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



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

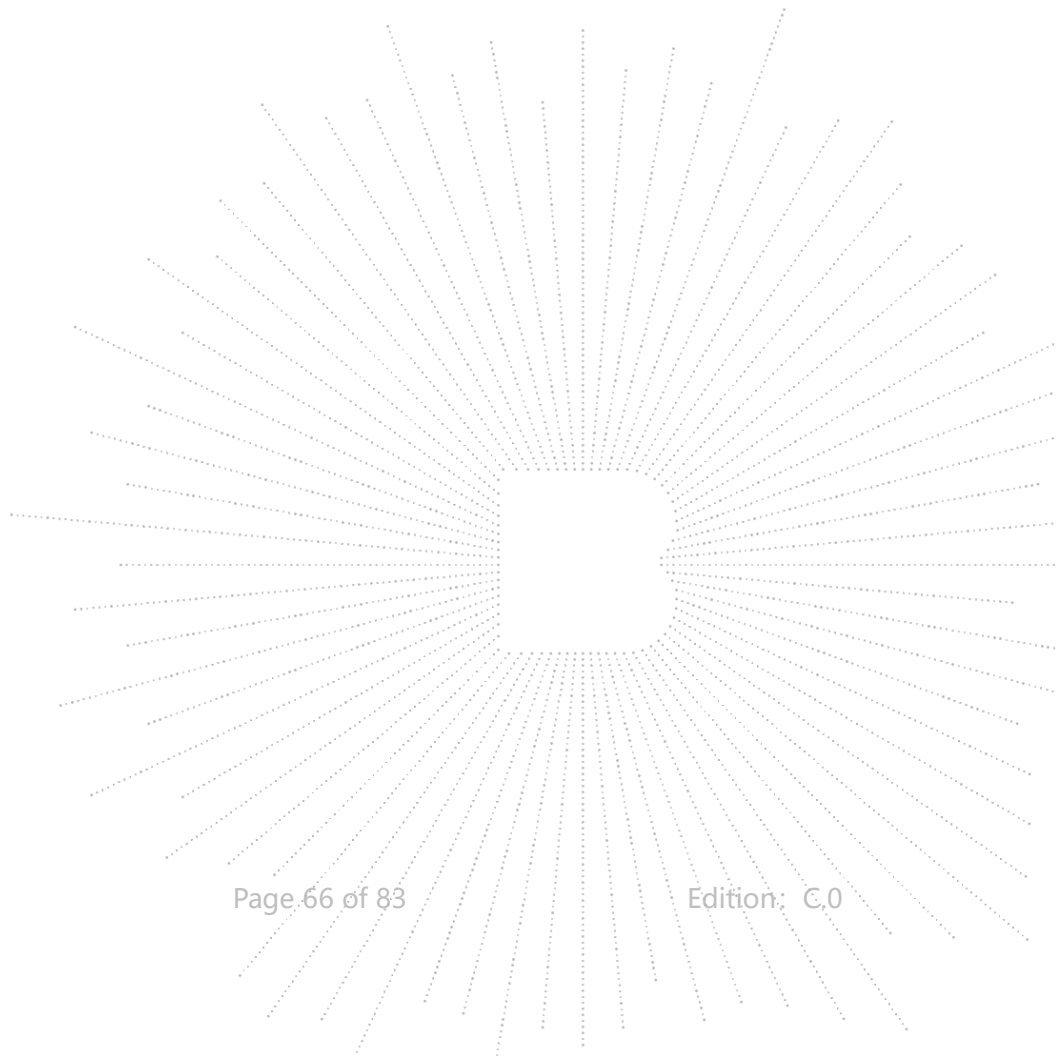
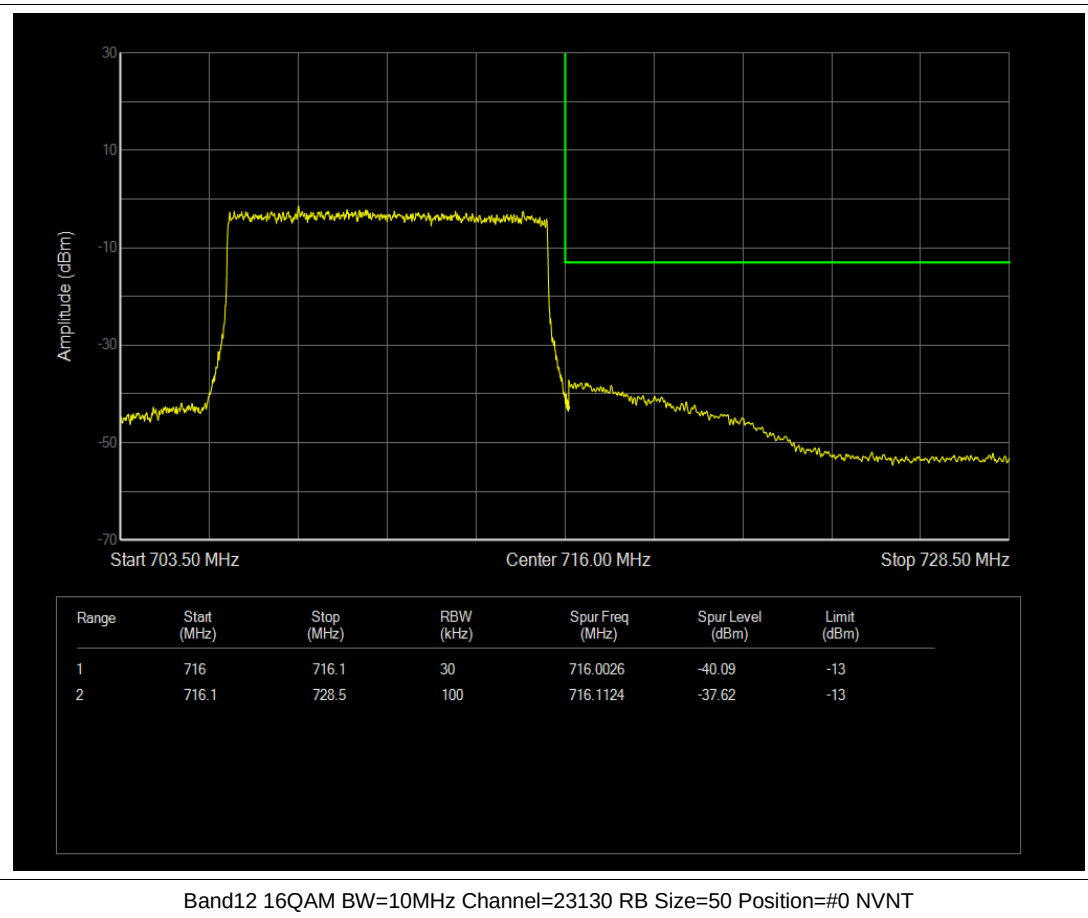


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



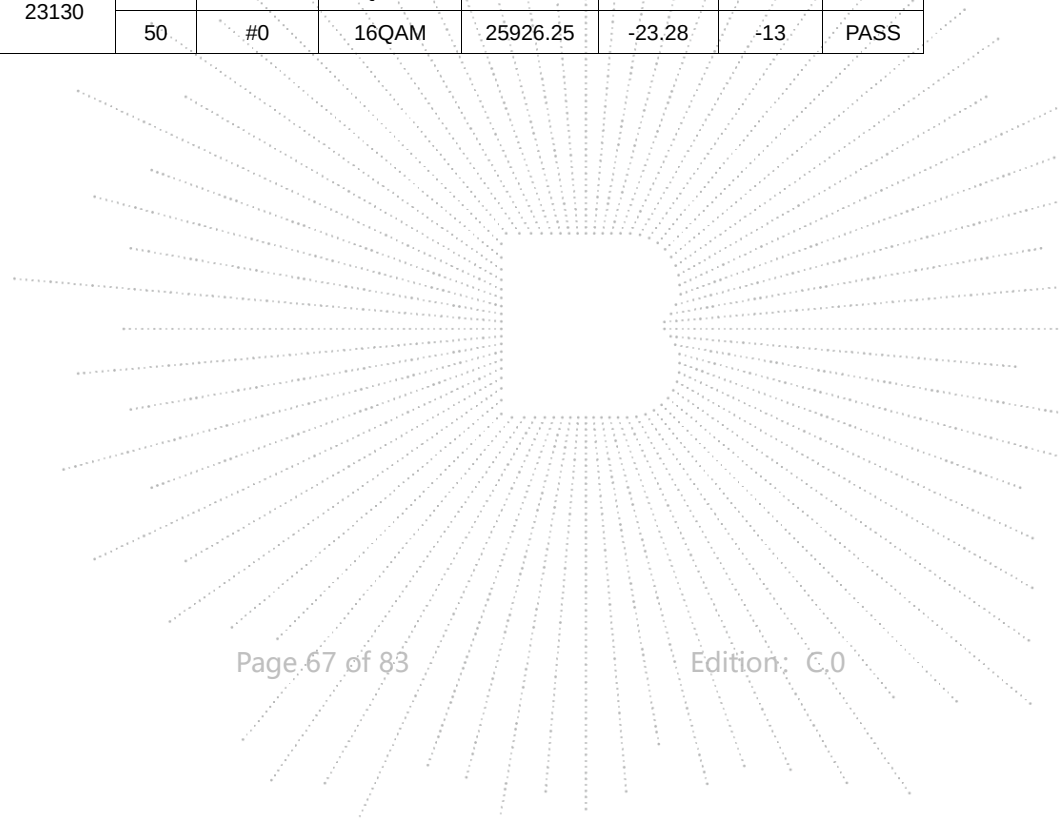
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 716         | 716.1      | 30        | 716.0038        | -38.41           | -13         |
| 2     | 716.1       | 728.5      | 100       | 716.1496        | -35.57           | -13         |

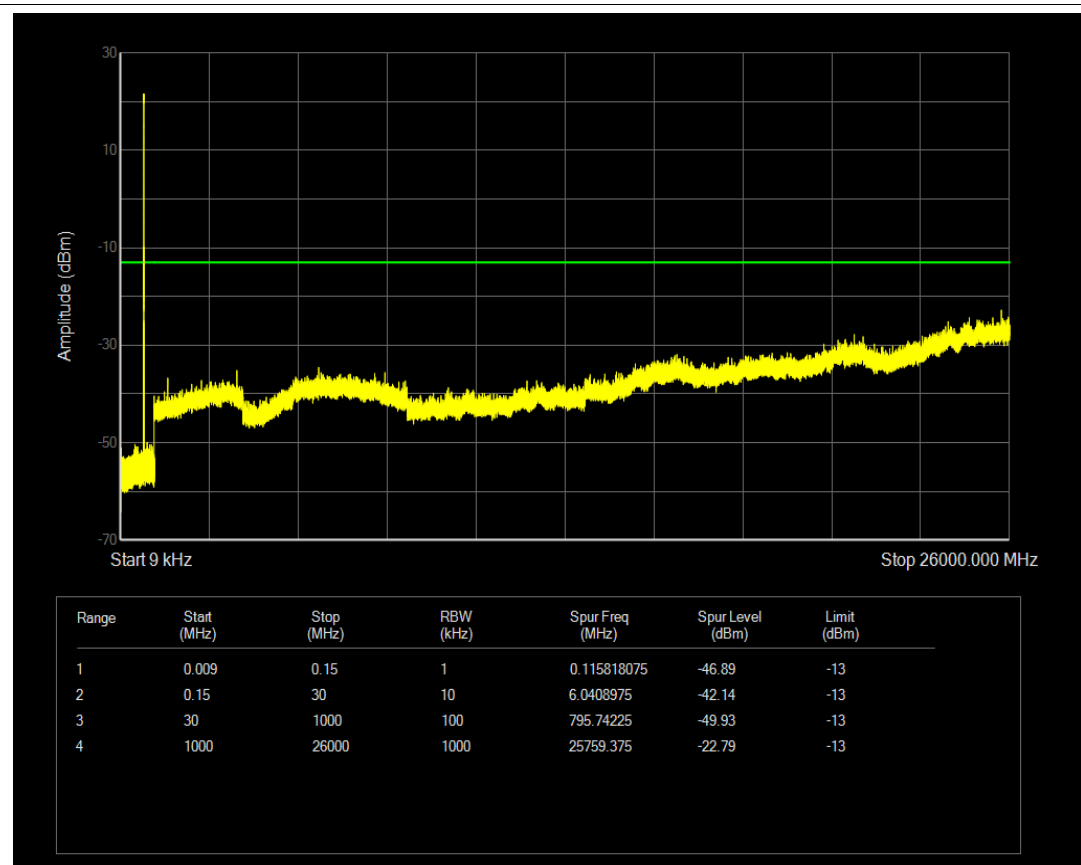
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0 NVNT



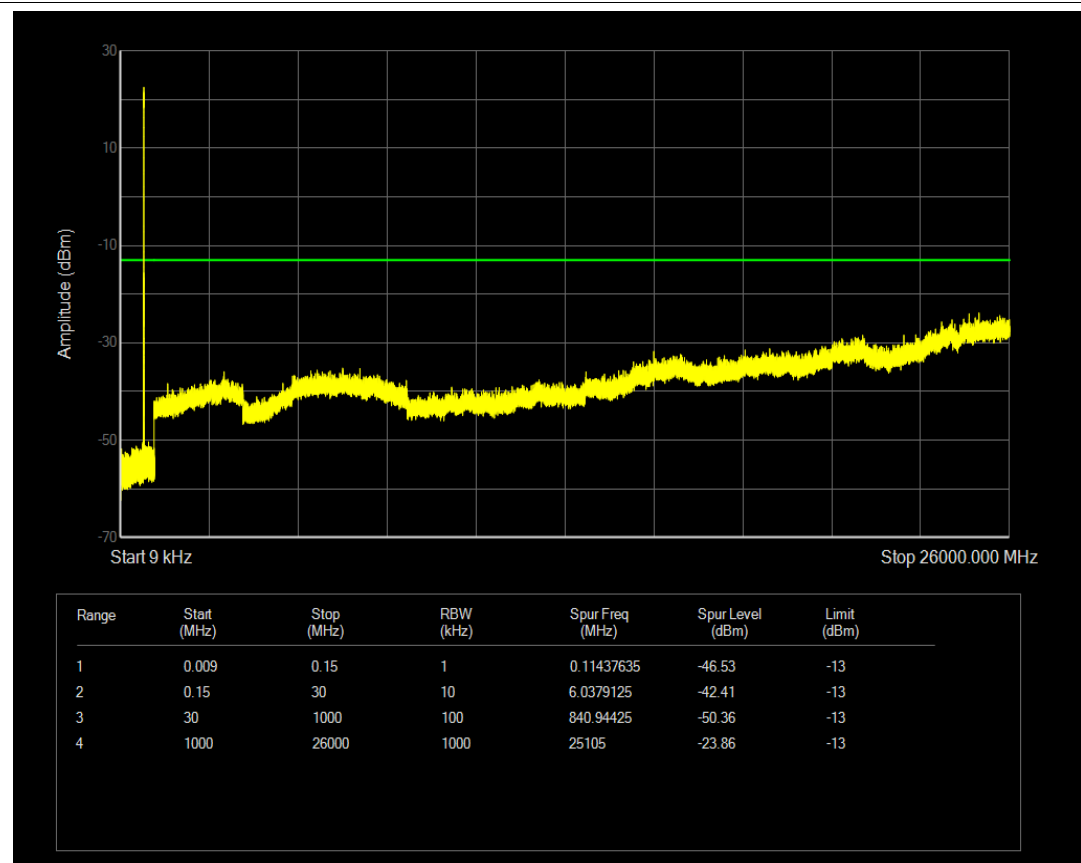
## Appendix 6.Out-of-band emissions

| Condition | Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|--------|--------------------|---------------|------------|----------------|------------|--------------------|------------------------|----------------|---------|
| NVNT      | Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 25759.38           | -22.79                 | -13            | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 25105.00           | -23.86                 | -13            | PASS    |
|           |        |                    | 23095         | 6          | #0             | QPSK       | 25758.75           | -23.72                 | -13            | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 25918.75           | -24.48                 | -13            | PASS    |
|           |        |                    | 23173         | 6          | #0             | QPSK       | 25430.63           | -23.51                 | -13            | PASS    |
|           |        |                    |               | 6          | #0             | 16QAM      | 25318.75           | -24.40                 | -13            | PASS    |
|           |        | 3                  | 23025         | 15         | #0             | QPSK       | 25365.00           | -24.60                 | -13            | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 25955.00           | -24.12                 | -13            | PASS    |
|           |        |                    | 23095         | 15         | #0             | QPSK       | 25325.00           | -24.46                 | -13            | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 24713.75           | -24.15                 | -13            | PASS    |
|           |        |                    | 23165         | 15         | #0             | QPSK       | 25060.00           | -24.39                 | -13            | PASS    |
|           |        |                    |               | 15         | #0             | 16QAM      | 25336.25           | -24.42                 | -13            | PASS    |
|           |        | 5                  | 23035         | 25         | #0             | QPSK       | 25723.13           | -23.99                 | -13            | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 25085.63           | -23.66                 | -13            | PASS    |
|           |        |                    | 23095         | 25         | #0             | QPSK       | 25384.38           | -23.96                 | -13            | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 25698.13           | -24.49                 | -13            | PASS    |
|           |        |                    | 23155         | 25         | #0             | QPSK       | 25693.13           | -23.46                 | -13            | PASS    |
|           |        |                    |               | 25         | #0             | 16QAM      | 25344.38           | -24.32                 | -13            | PASS    |
|           |        | 10                 | 23060         | 50         | #0             | QPSK       | 25181.88           | -23.82                 | -13            | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 25541.88           | -24.46                 | -13            | PASS    |
|           |        |                    | 23095         | 50         | #0             | QPSK       | 25725.00           | -24.10                 | -13            | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 25516.25           | -24.14                 | -13            | PASS    |
|           |        |                    | 23130         | 50         | #0             | QPSK       | 25130.00           | -23.64                 | -13            | PASS    |
|           |        |                    |               | 50         | #0             | 16QAM      | 25926.25           | -23.28                 | -13            | PASS    |

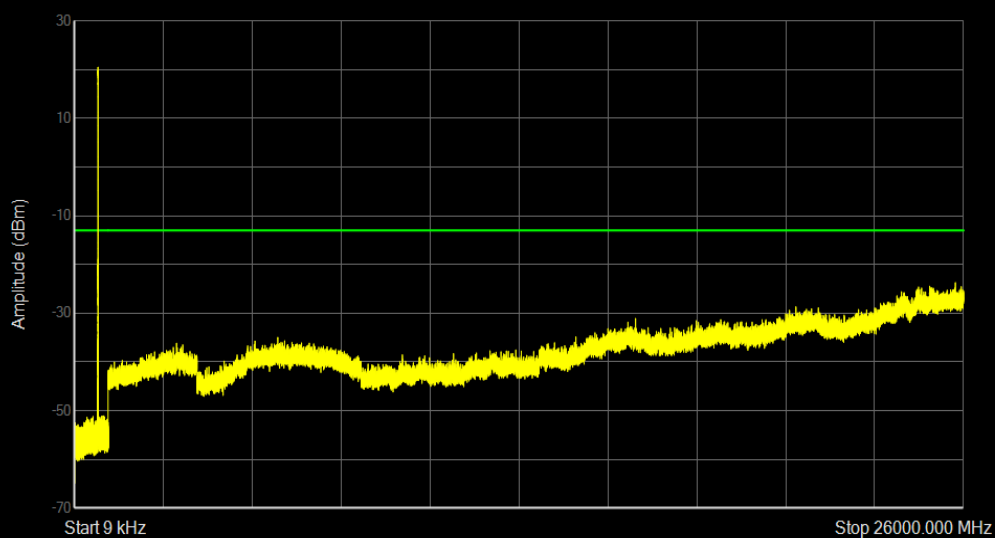




Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT

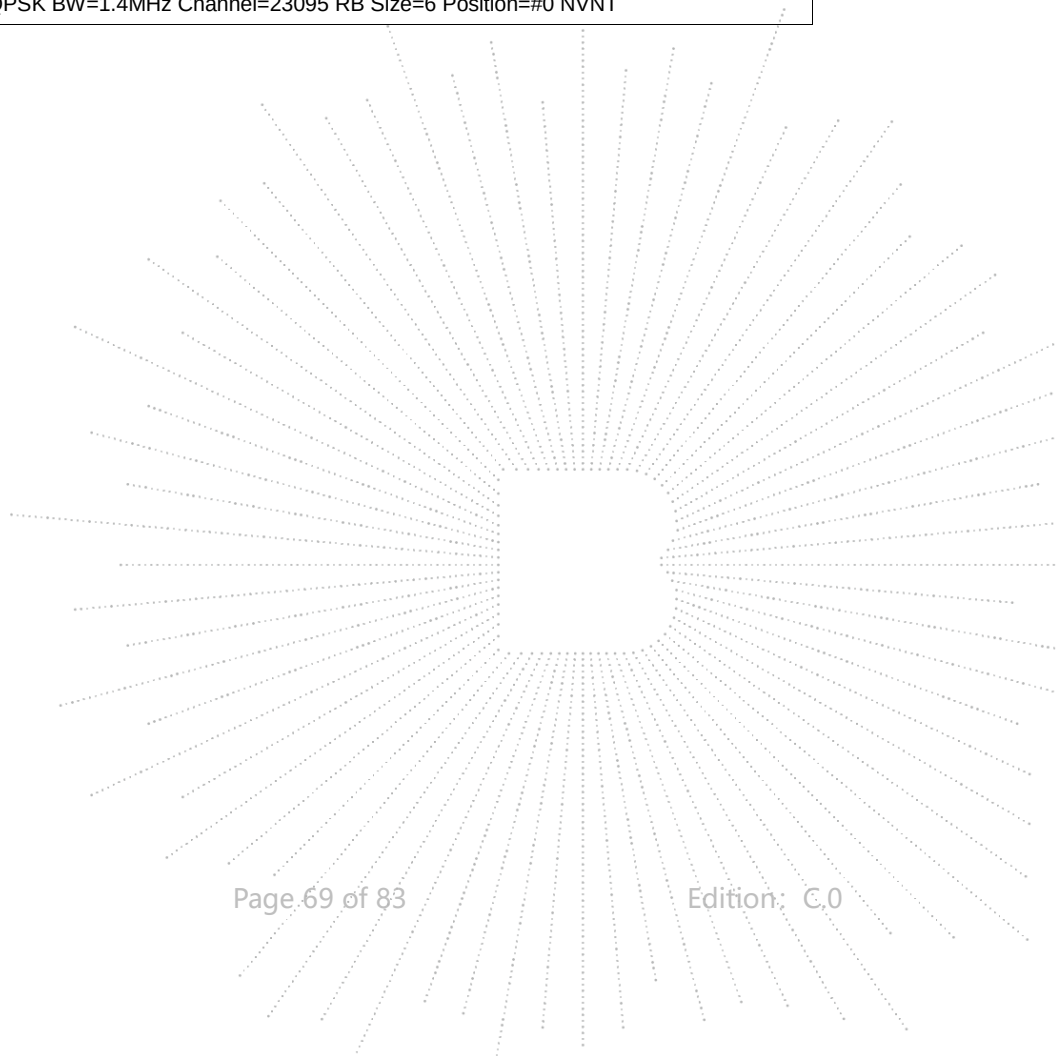


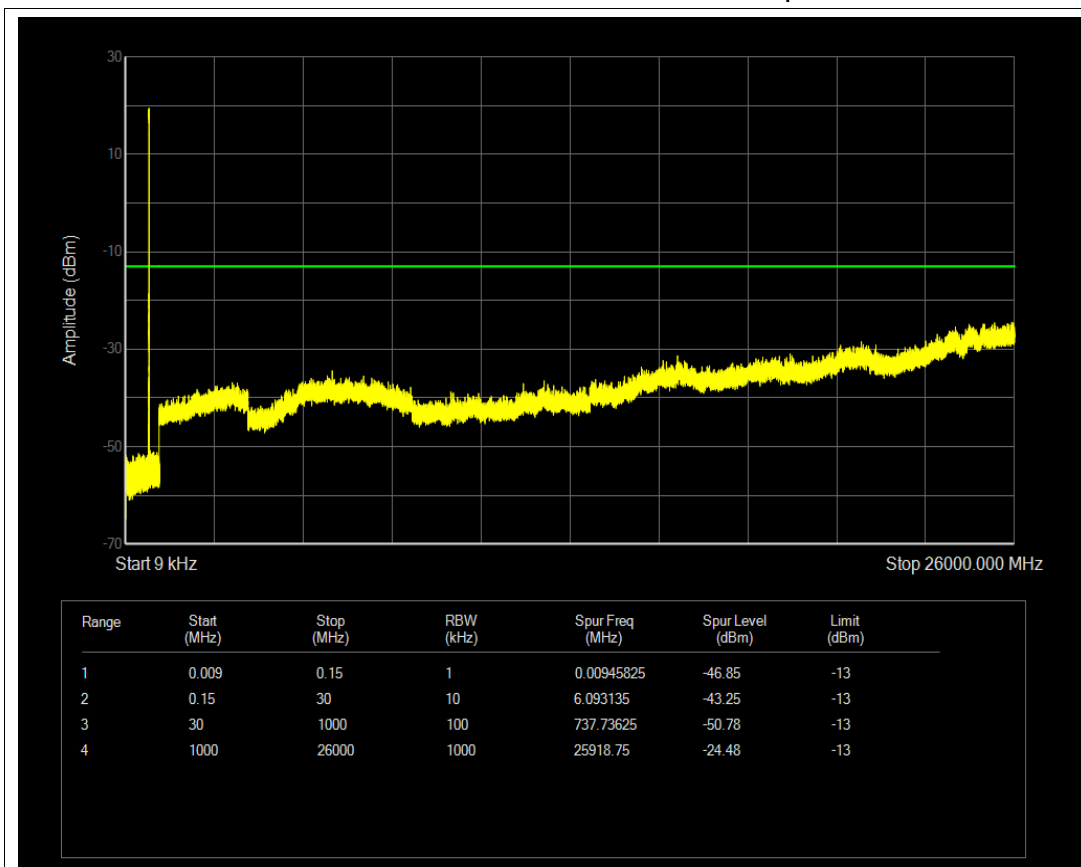
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 NVNT



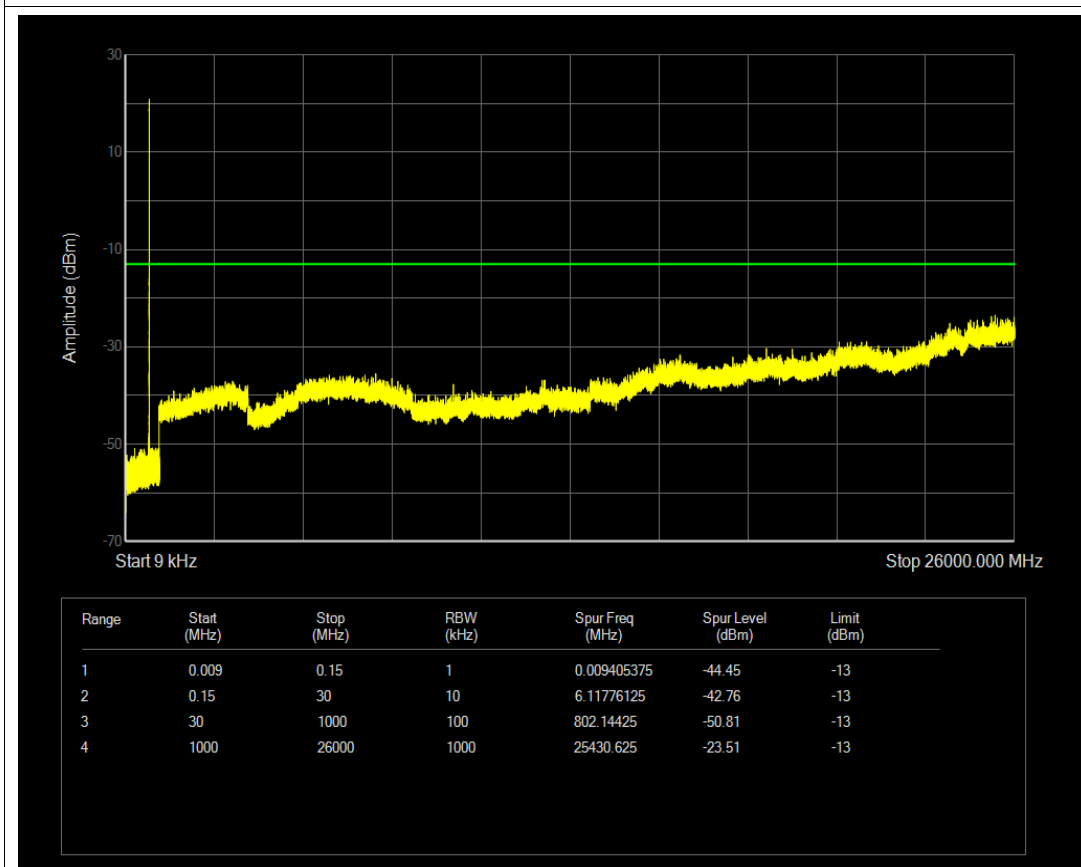
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.117552375     | -46.86           | -13         |
| 2     | 0.15        | 30         | 10        | 6.08418         | -42.95           | -13         |
| 3     | 30          | 1000       | 100       | 868.39525       | -51.07           | -13         |
| 4     | 1000        | 26000      | 1000      | 25758.75        | -23.72           | -13         |

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

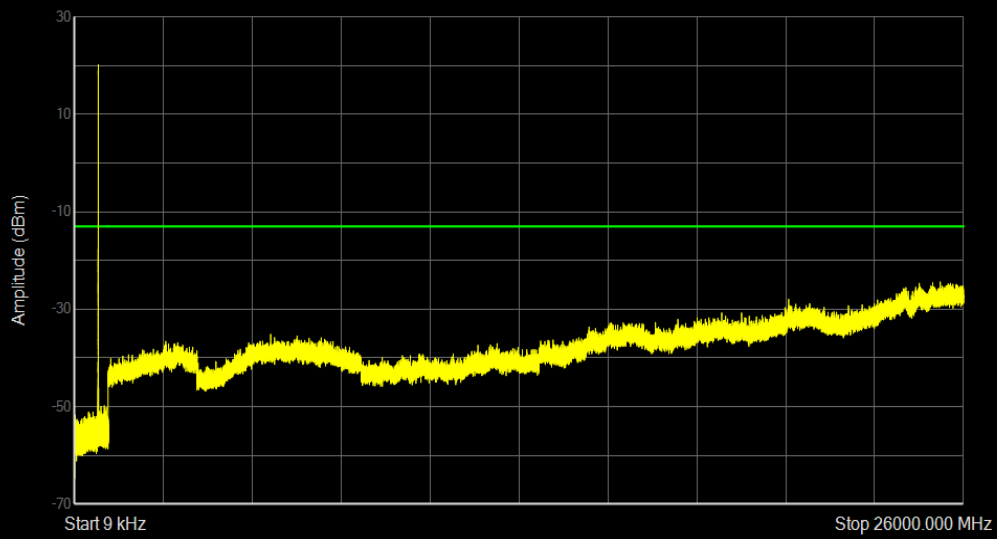




Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0 NVNT

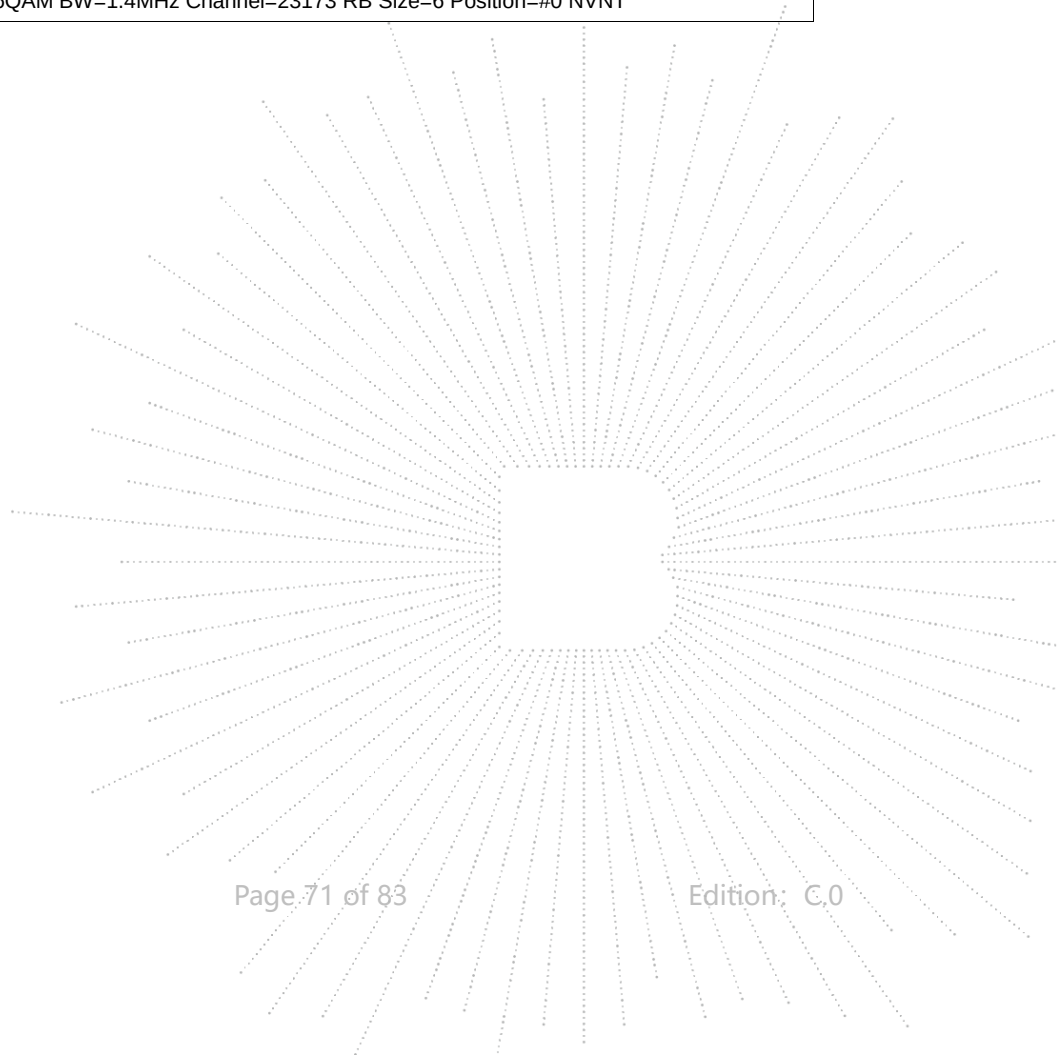


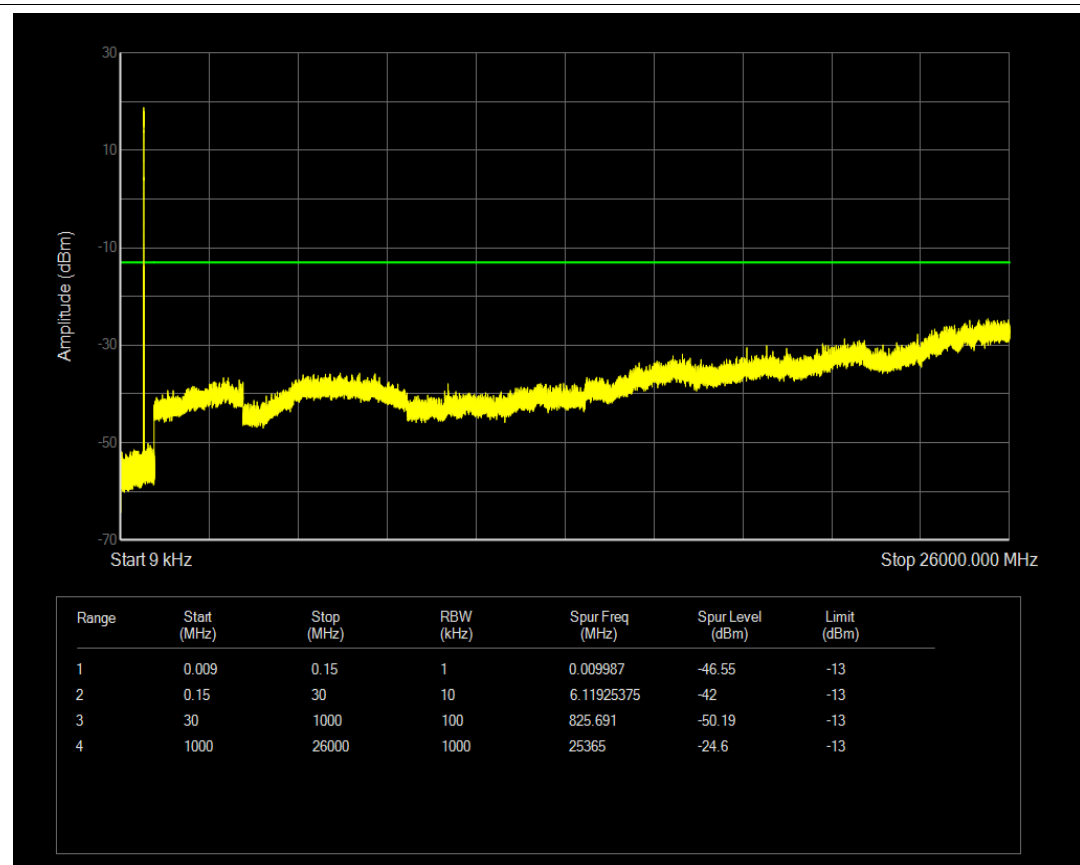
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0 NVNT



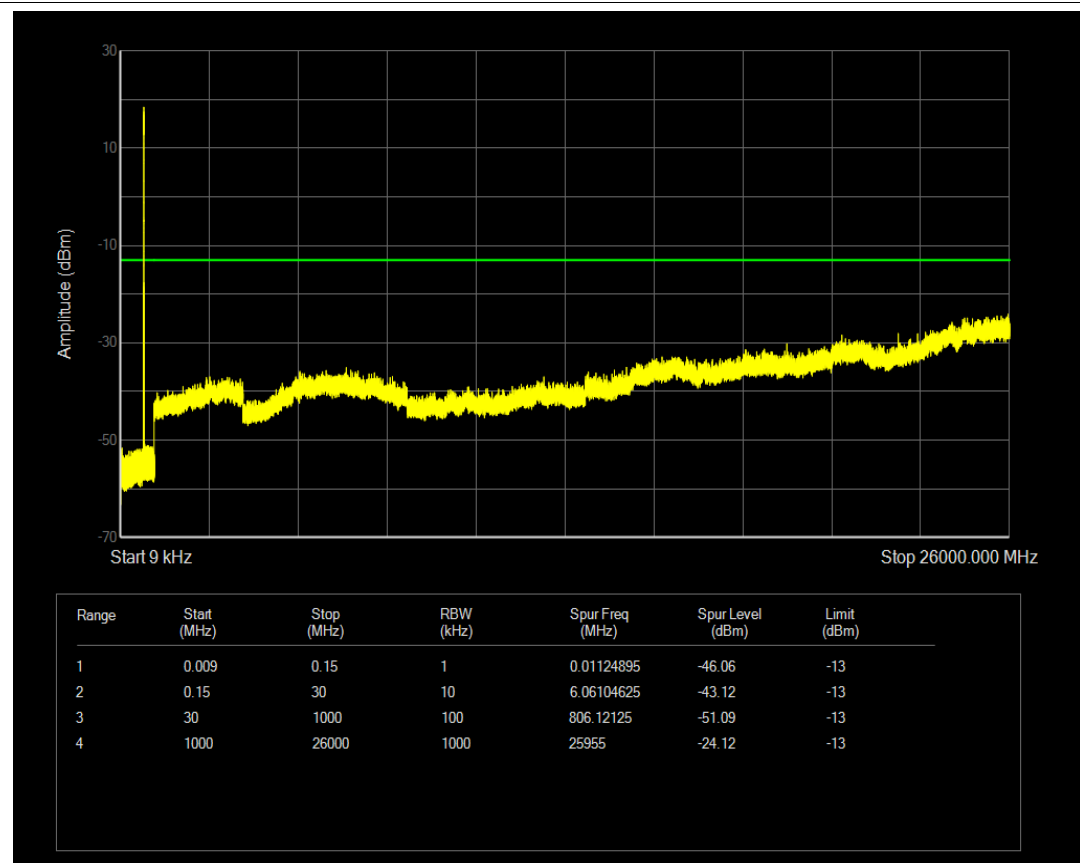
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009334875     | -44.88           | -13         |
| 2     | 0.15        | 30         | 10        | 6.09537375      | -42.61           | -13         |
| 3     | 30          | 1000       | 100       | 890.7295        | -49.83           | -13         |
| 4     | 1000        | 26000      | 1000      | 25318.75        | -24.4            | -13         |

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

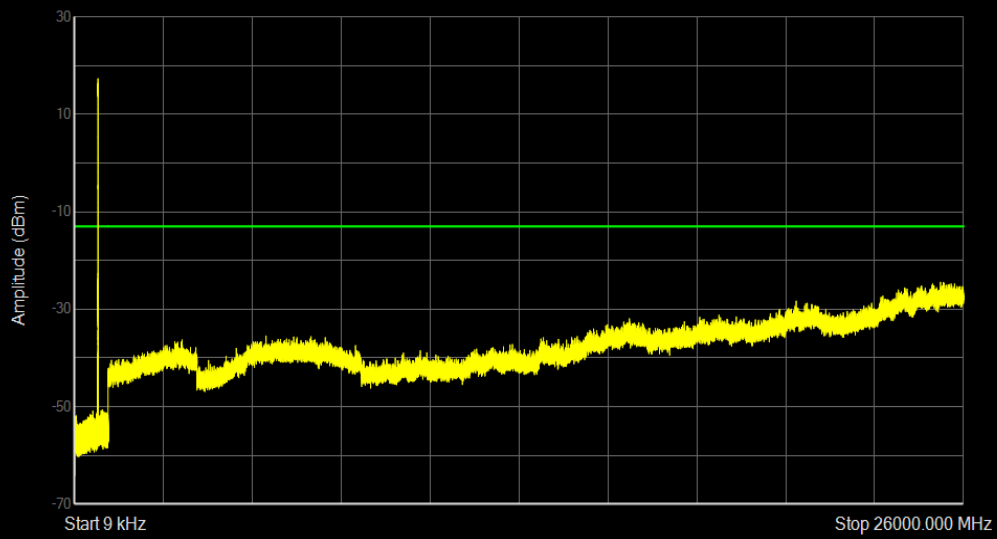




Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

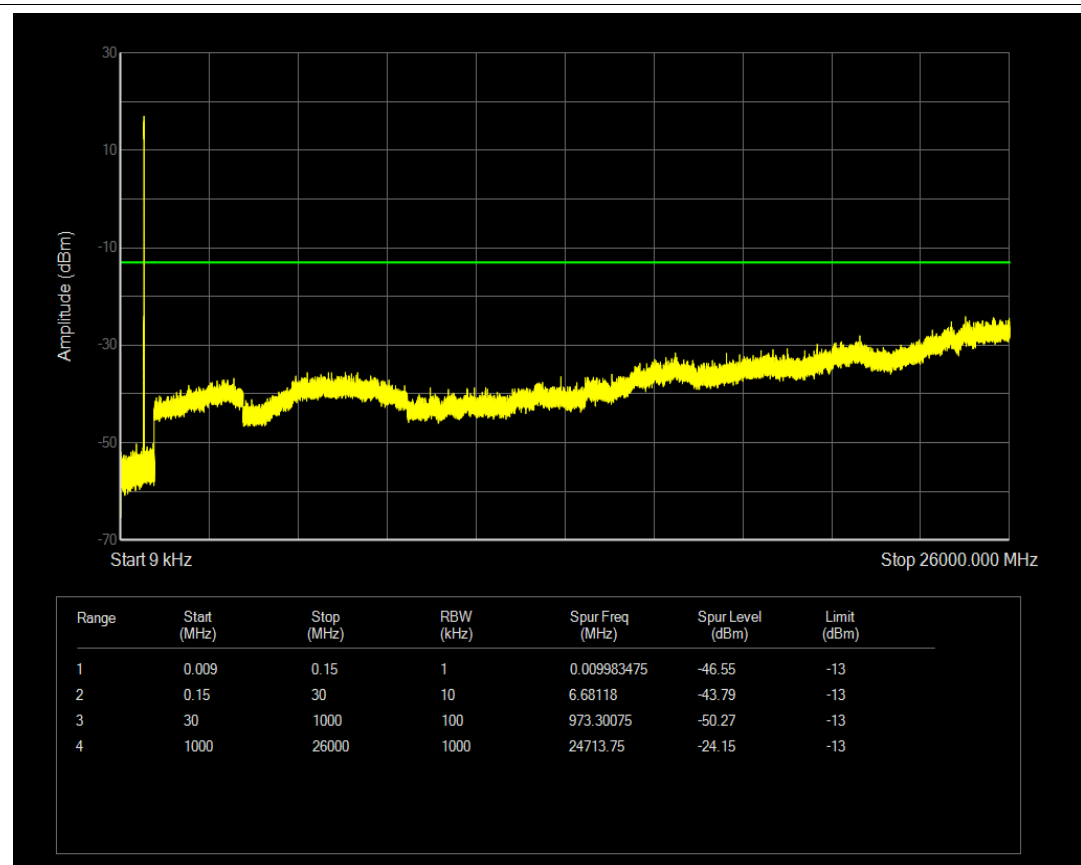


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 NVNT

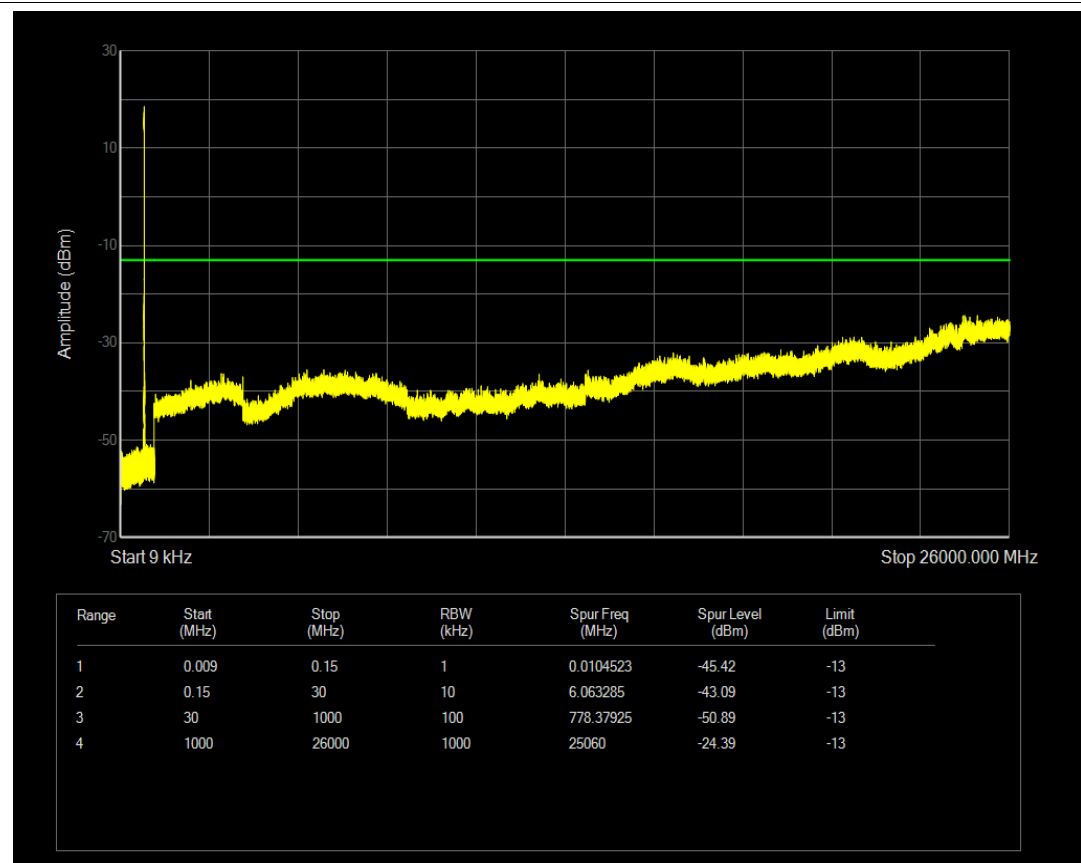


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009912975     | -46.11           | -13         |
| 2     | 0.15        | 30         | 10        | 6.29313         | -43.79           | -13         |
| 3     | 30          | 1000       | 100       | 833.81475       | -50.66           | -13         |
| 4     | 1000        | 26000      | 1000      | 25325           | -24.46           | -13         |

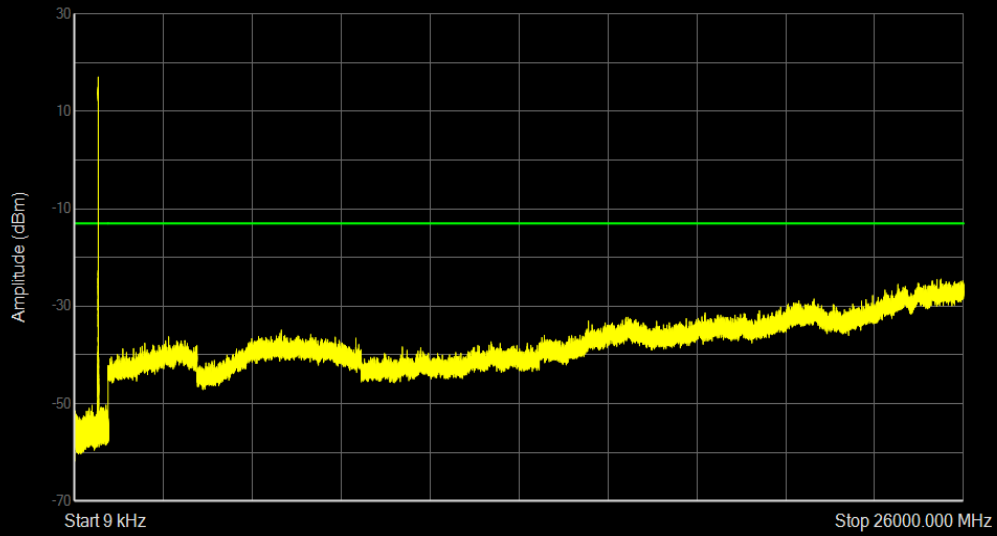
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0 NVNT



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

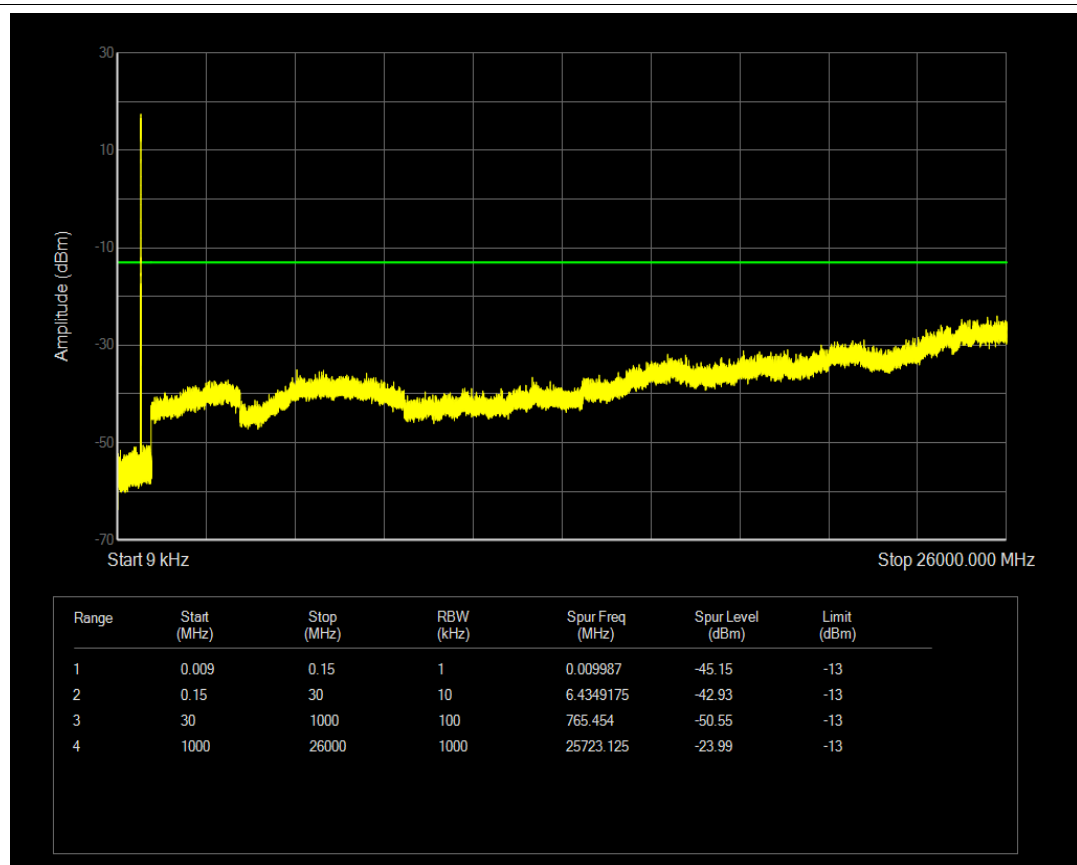


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT

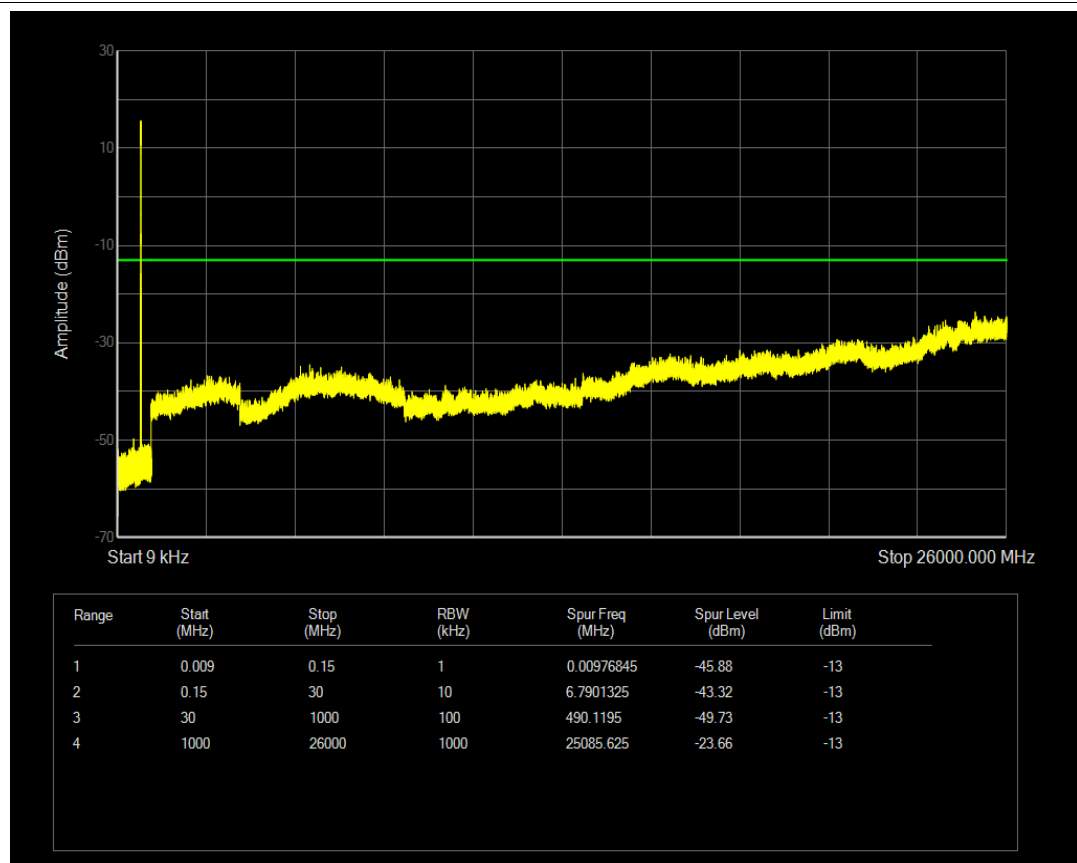


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009497025     | -44.17           | -13         |
| 2     | 0.15        | 30         | 10        | 6.09238875      | -42.71           | -13         |
| 3     | 30          | 1000       | 100       | 939.084         | -50.31           | -13         |
| 4     | 1000        | 26000      | 1000      | 25336.25        | -24.42           | -13         |

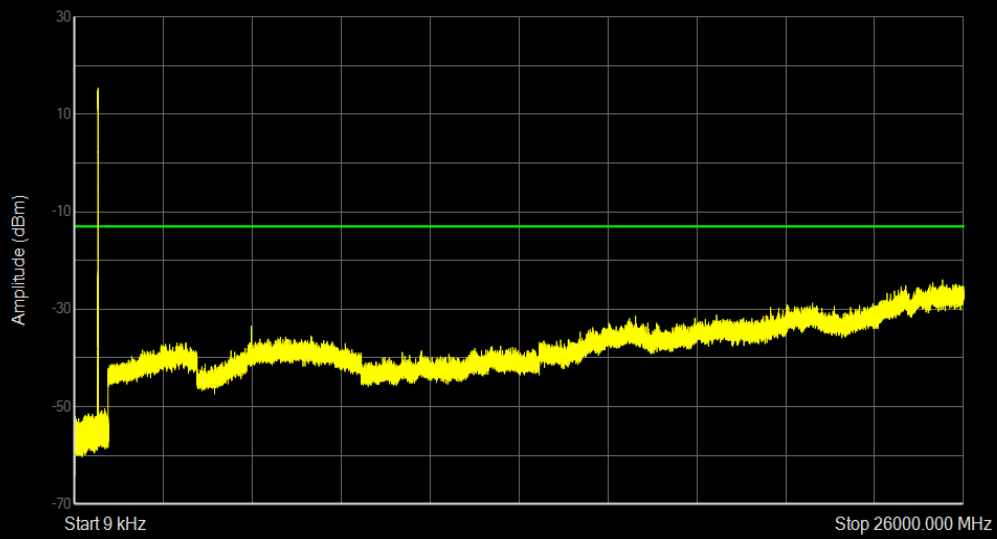
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 NVNT



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

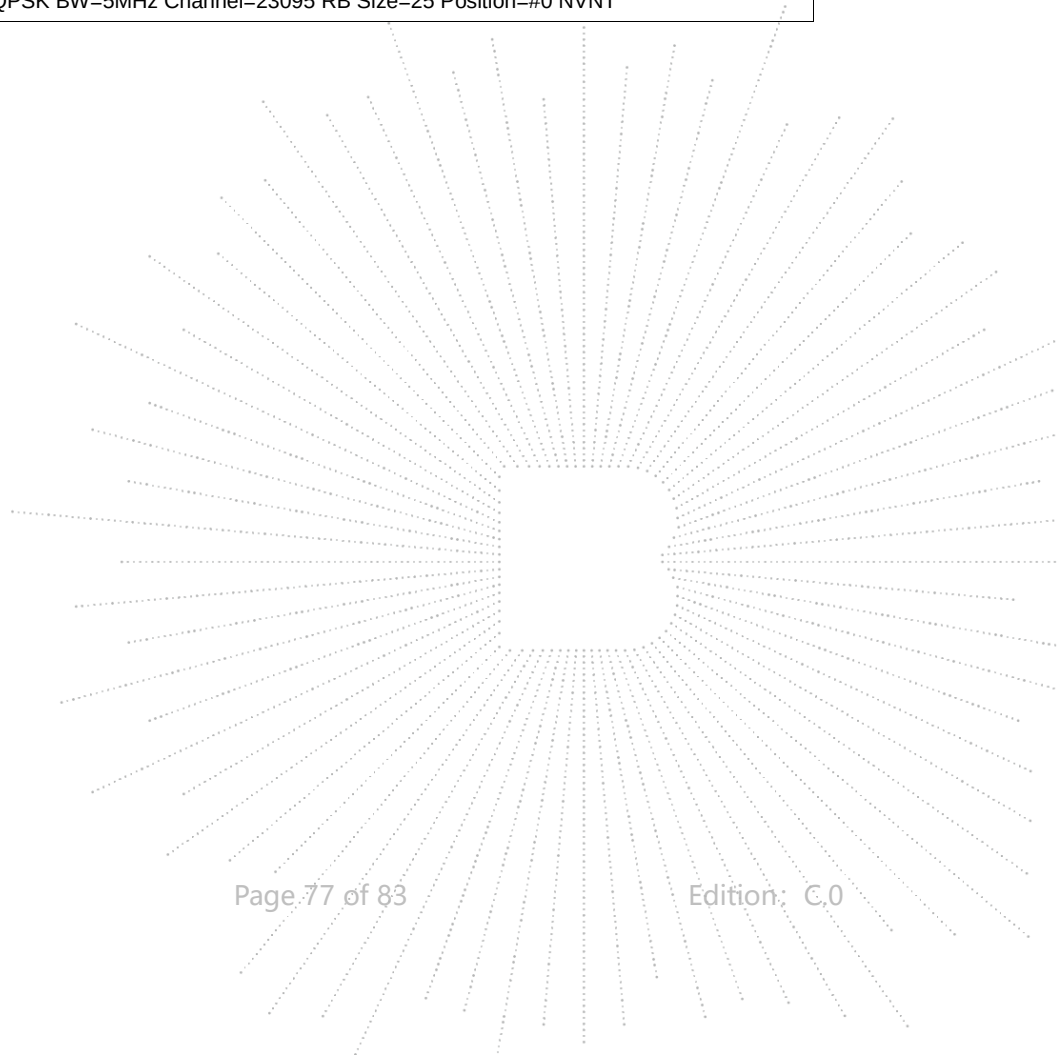


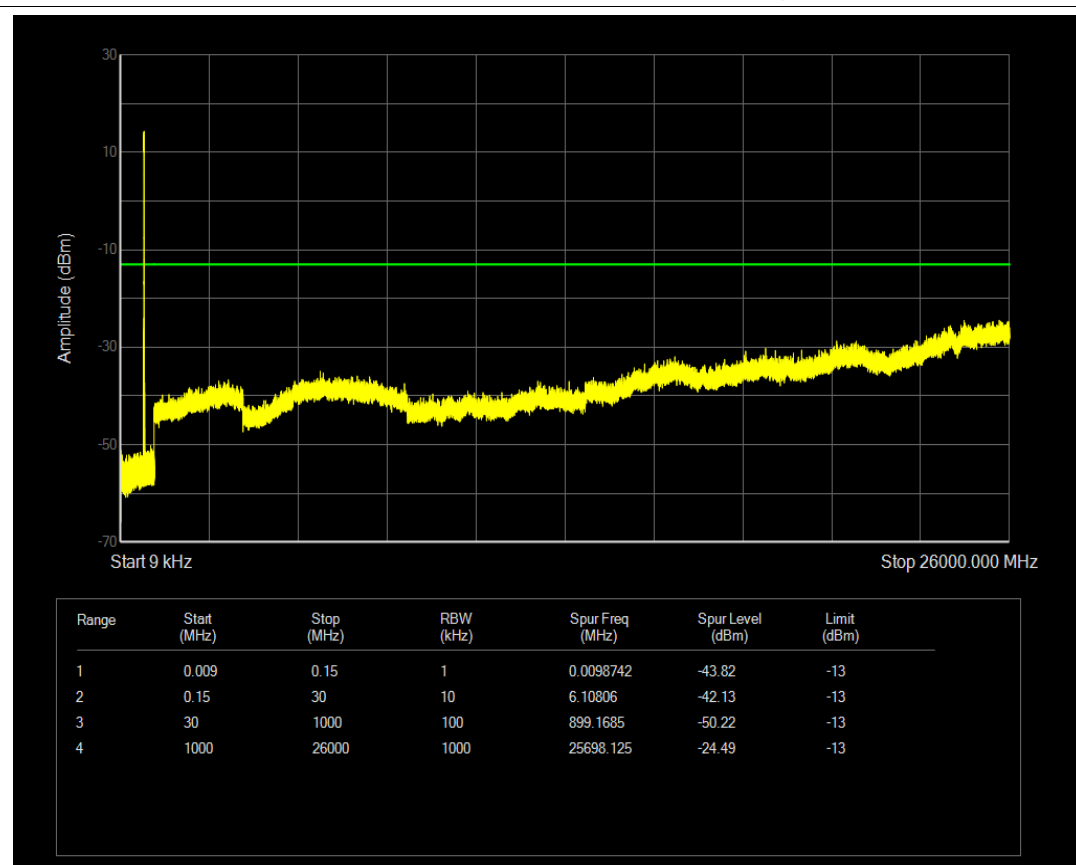
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0 NVNT



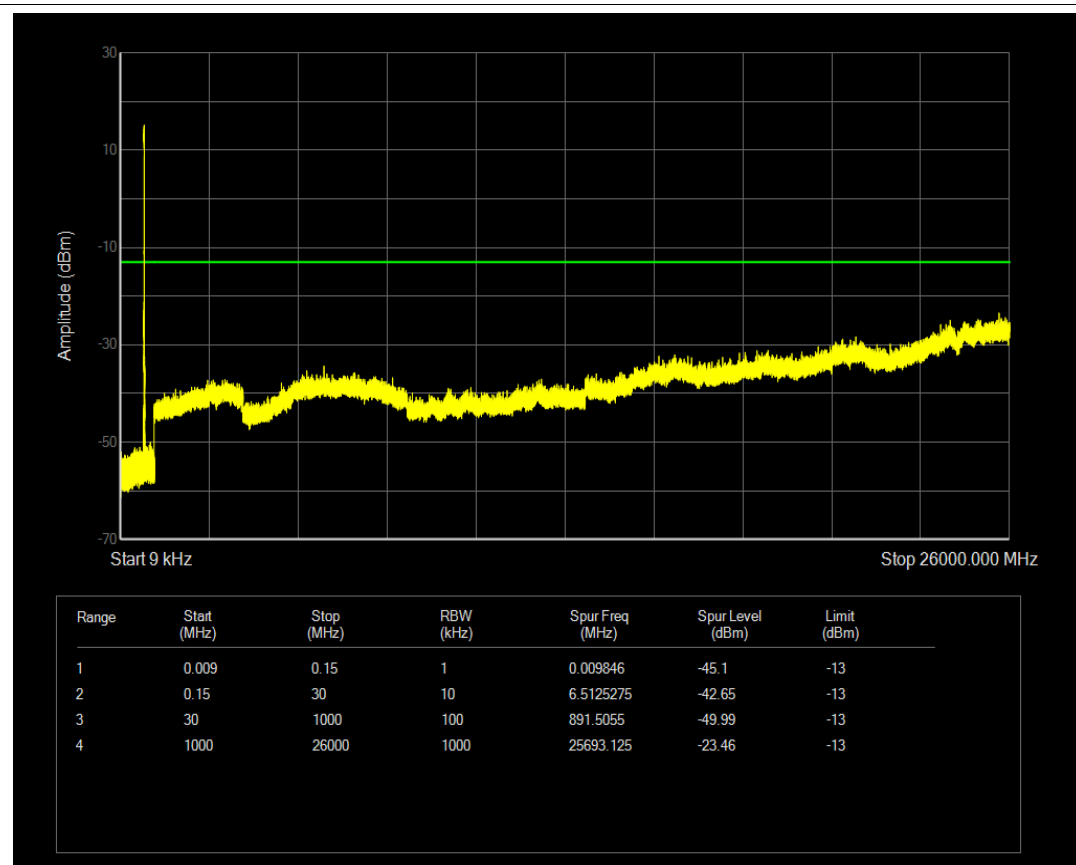
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -43.91           | -13         |
| 2     | 0.15        | 30         | 10        | 6.0916425       | -43.11           | -13         |
| 3     | 30          | 1000       | 100       | 899.993         | -50.46           | -13         |
| 4     | 1000        | 26000      | 1000      | 25384.375       | -23.96           | -13         |

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

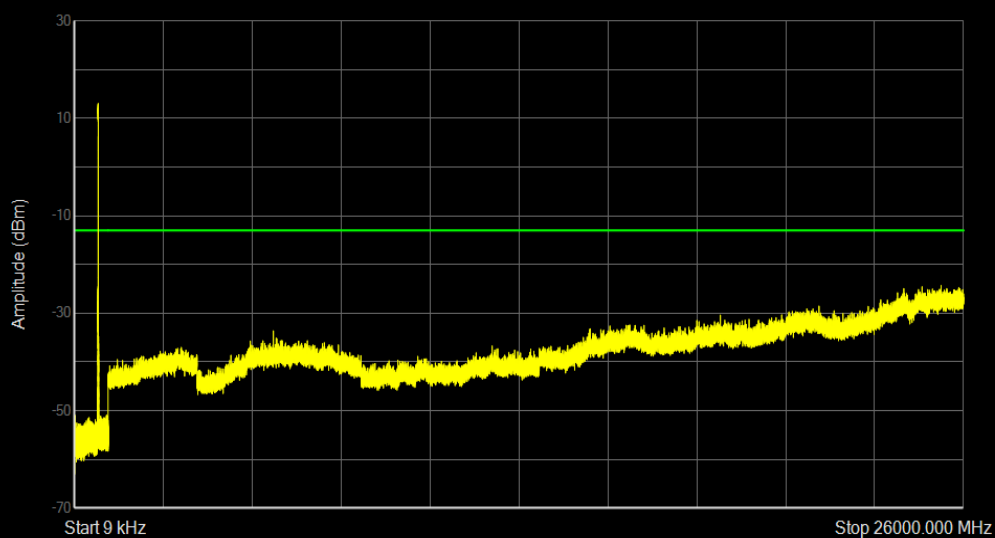




Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0 NVNT

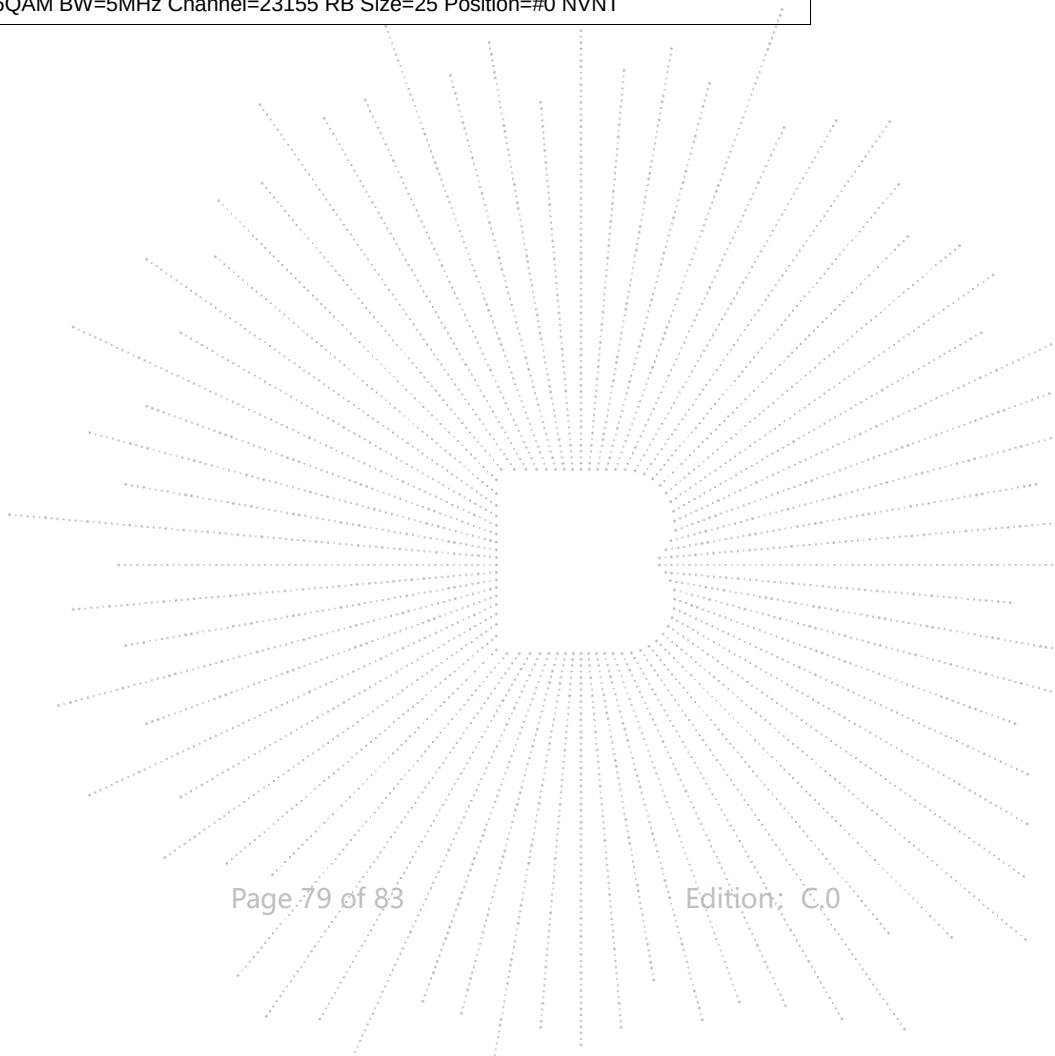


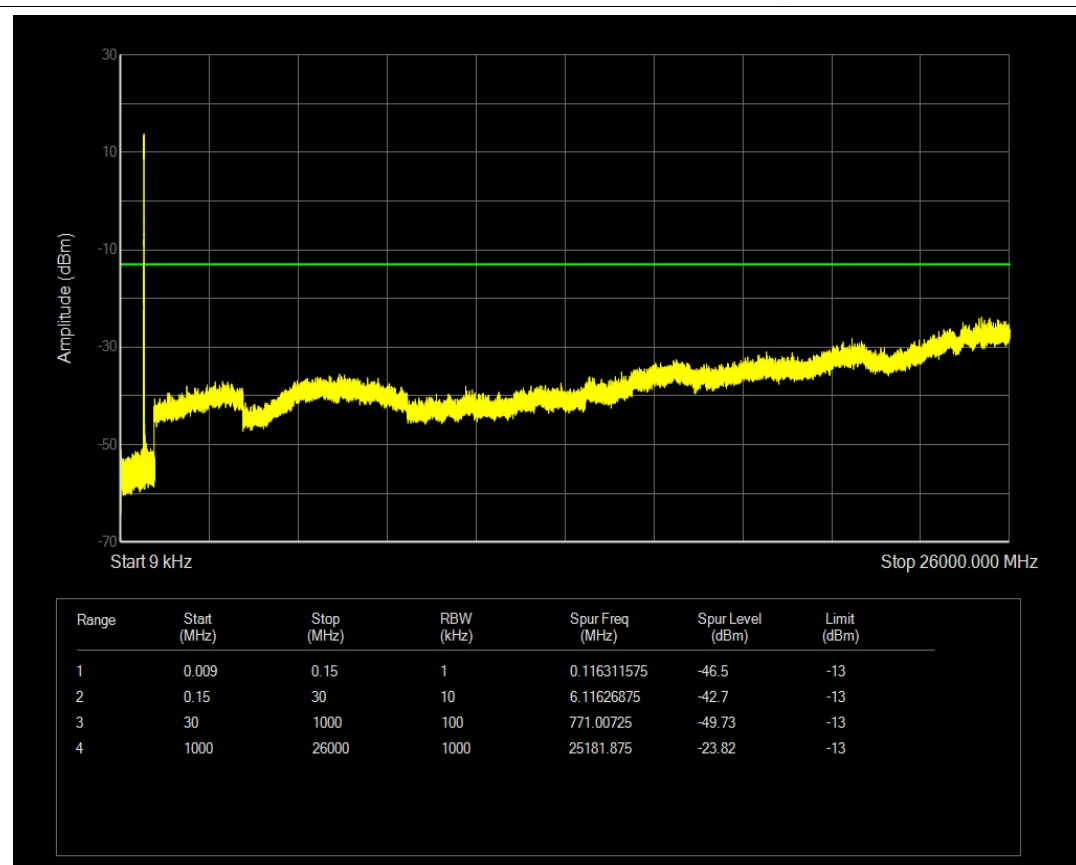
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0 NVNT



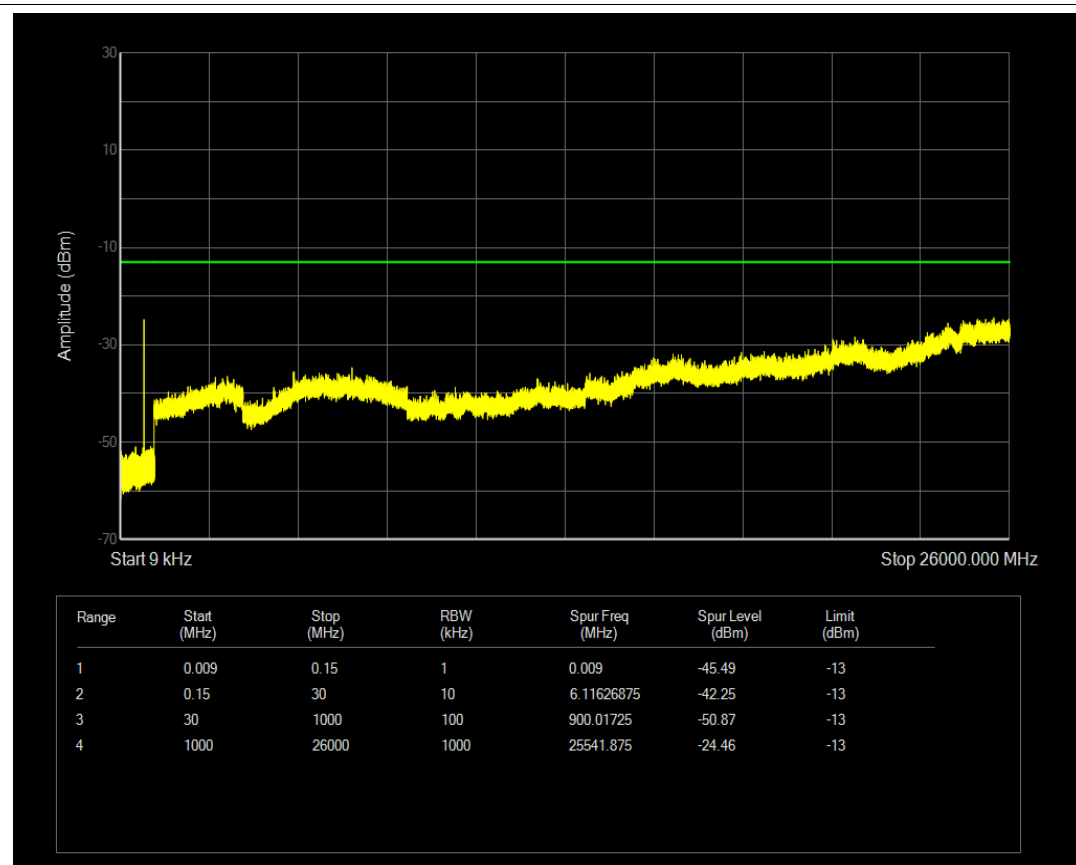
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009116325     | -46.03           | -13         |
| 2     | 0.15        | 30         | 10        | 6.07447875      | -41.49           | -13         |
| 3     | 30          | 1000       | 100       | 958.21725       | -50.93           | -13         |
| 4     | 1000        | 26000      | 1000      | 25344.375       | -24.32           | -13         |

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

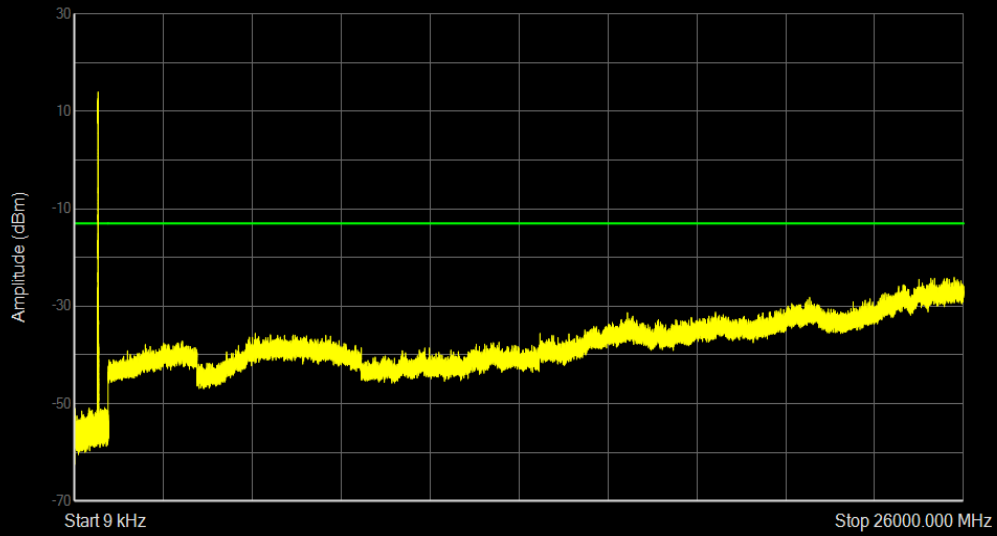




Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT

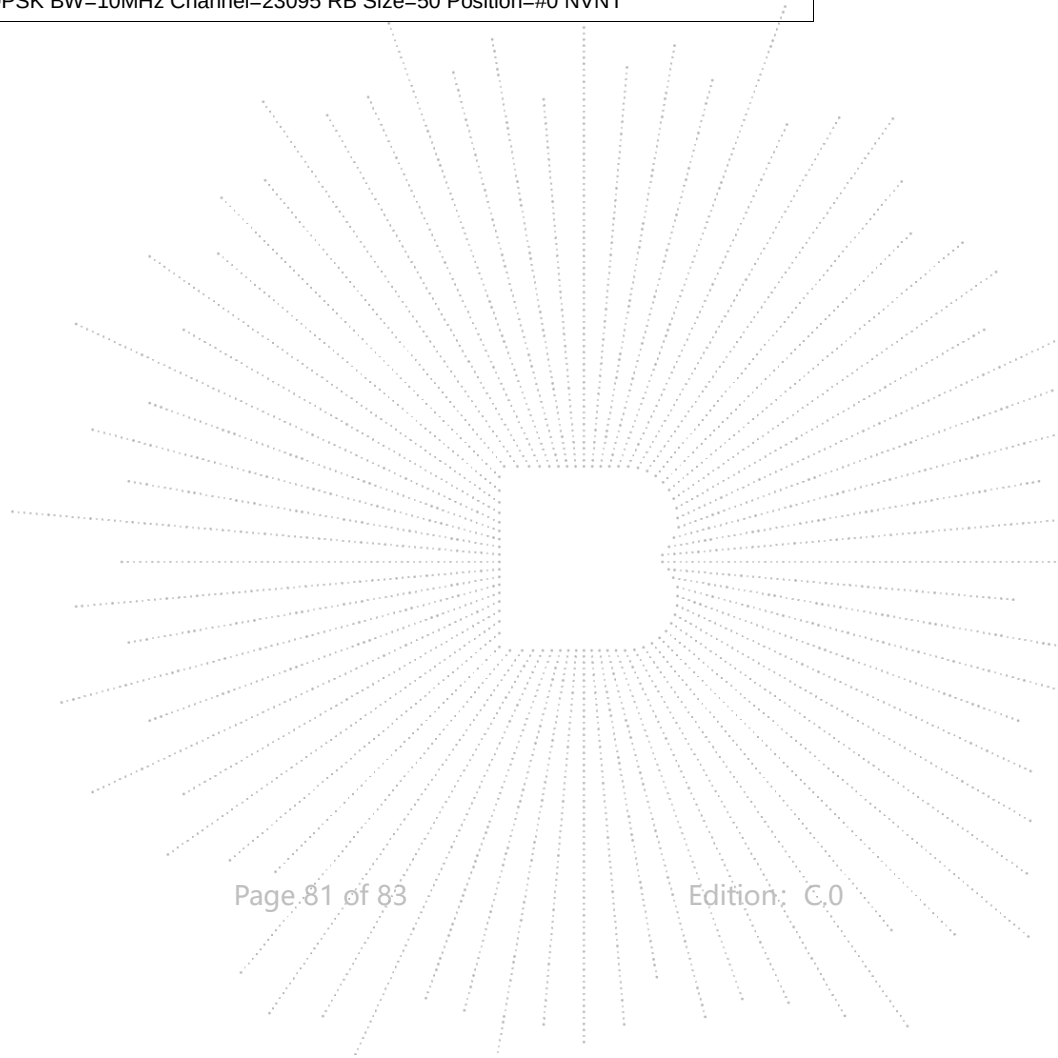


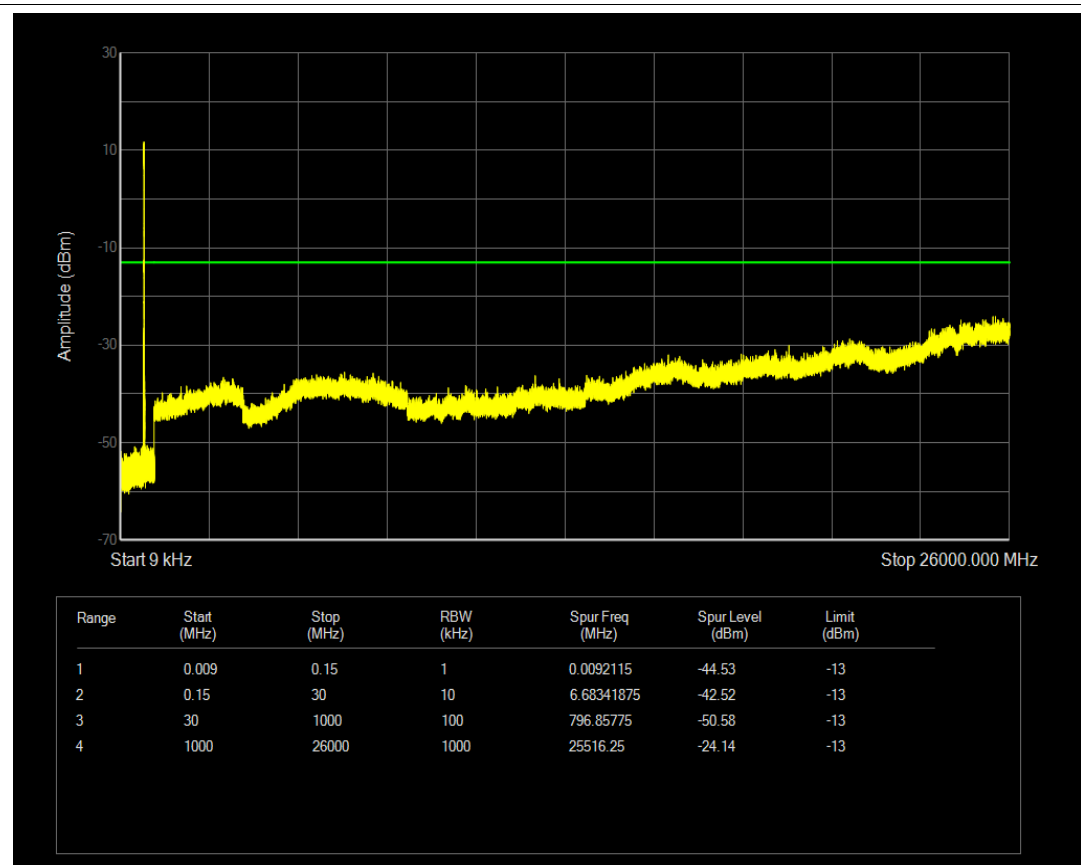
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 NVNT



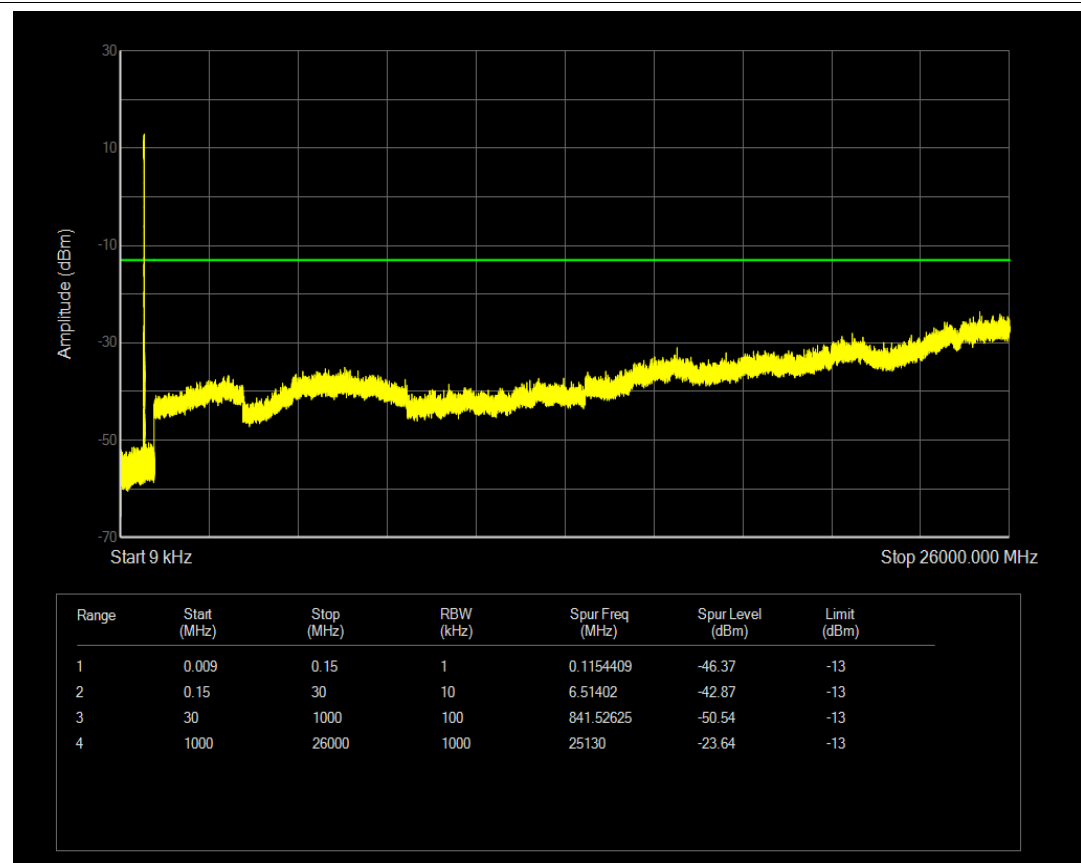
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00928905      | -45.23           | -13         |
| 2     | 0.15        | 30         | 10        | 6.5841675       | -42.69           | -13         |
| 3     | 30          | 1000       | 100       | 899.993         | -50.82           | -13         |
| 4     | 1000        | 26000      | 1000      | 25725           | -24.1            | -13         |

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

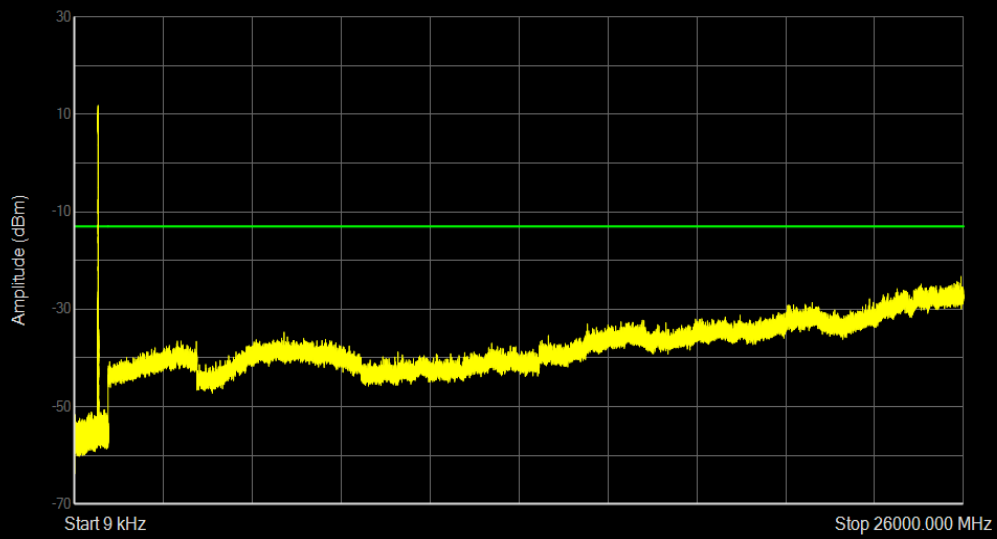




Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0 NVNT



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         | 0.009           | -45.96           | -13         |
| 2     | 0.15        | 30         | 10        | 6.5095425       | -42.72           | -13         |
| 3     | 30          | 1000       | 100       | 899.993         | -50.66           | -13         |
| 4     | 1000        | 26000      | 1000      | 25926.25        | -23.28           | -13         |

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