

# FCC ID: 2A4AS-2407A

## Appendix for Band 12

Report No.: BCTC2408940416-5E

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Applicant: EZTECH DIGITAL INC.

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Product Name: IP Camera

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Test Model: Talon Pro

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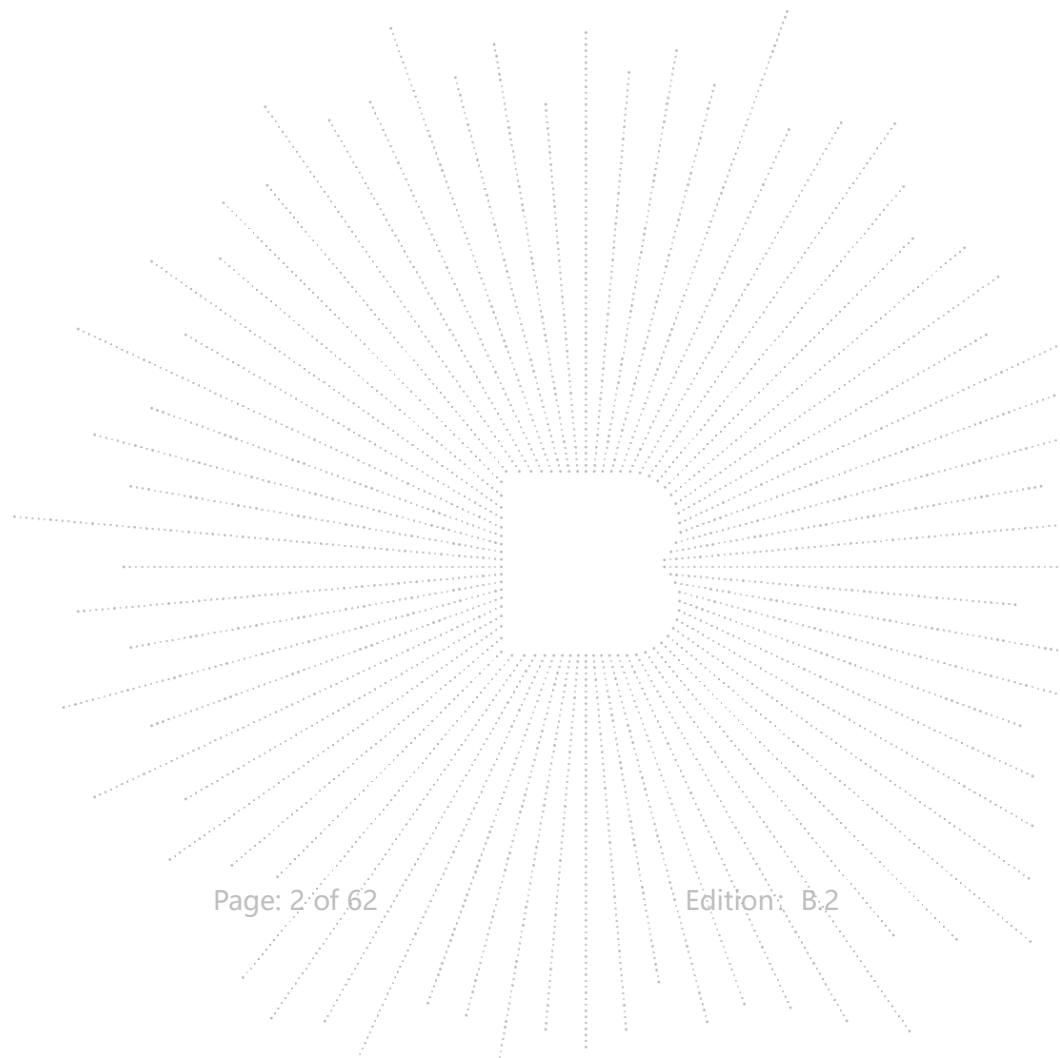
Tested Date: 2024-08-14 to 2024-11-26

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

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

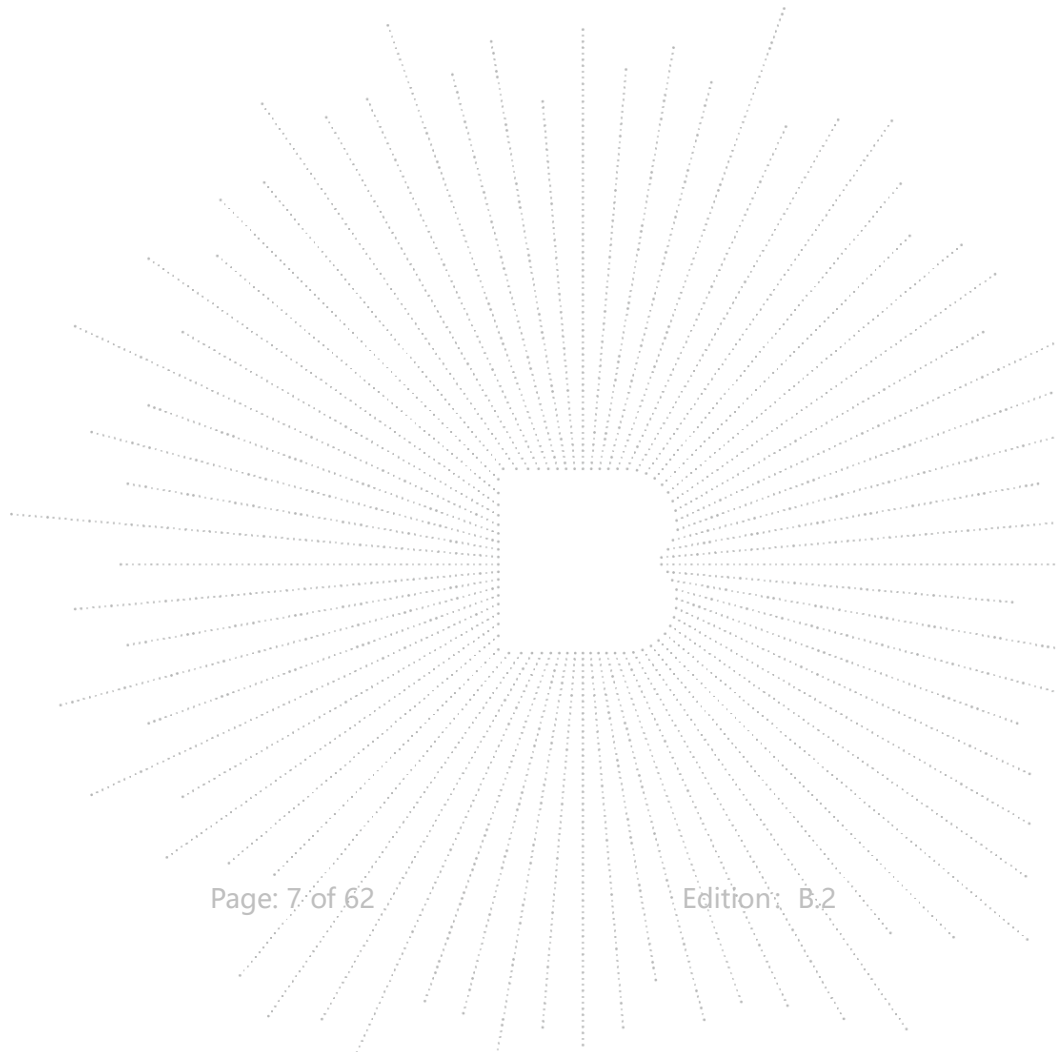
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Gain (dBm) | ERP (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|------------|-----------|---------|
| Band12 | 1.4             | 23017      | 1       | #0          | QPSK       | 23.01       | -0.65      | 20.21     | PASS    |
| Band12 | 1.4             | 23017      | 1       | #Mid        | QPSK       | 23.23       | -0.65      | 20.43     | PASS    |
| Band12 | 1.4             | 23017      | 1       | #Max        | QPSK       | 23.17       | -0.65      | 20.37     | PASS    |
| Band12 | 1.4             | 23017      | 3       | #0          | QPSK       | 23.14       | -0.65      | 20.34     | PASS    |
| Band12 | 1.4             | 23017      | 3       | #Mid        | QPSK       | 23.19       | -0.65      | 20.39     | PASS    |
| Band12 | 1.4             | 23017      | 3       | #Max        | QPSK       | 23.22       | -0.65      | 20.42     | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 22.31       | -0.65      | 19.51     | PASS    |
| Band12 | 1.4             | 23017      | 1       | #0          | 16QAM      | 21.91       | -0.65      | 19.11     | PASS    |
| Band12 | 1.4             | 23017      | 1       | #Mid        | 16QAM      | 22.12       | -0.65      | 19.32     | PASS    |
| Band12 | 1.4             | 23017      | 1       | #Max        | 16QAM      | 22.13       | -0.65      | 19.33     | PASS    |
| Band12 | 1.4             | 23017      | 3       | #0          | 16QAM      | 22.19       | -0.65      | 19.39     | PASS    |
| Band12 | 1.4             | 23017      | 3       | #Mid        | 16QAM      | 22.27       | -0.65      | 19.47     | PASS    |
| Band12 | 1.4             | 23017      | 3       | #Max        | 16QAM      | 22.33       | -0.65      | 19.53     | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 21.38       | -0.65      | 18.58     | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 23.44       | -0.65      | 20.64     | PASS    |
| Band12 | 1.4             | 23095      | 1       | #Mid        | QPSK       | 23.46       | -0.65      | 20.66     | PASS    |
| Band12 | 1.4             | 23095      | 1       | #Max        | QPSK       | 23.51       | -0.65      | 20.71     | PASS    |
| Band12 | 1.4             | 23095      | 3       | #0          | QPSK       | 23.25       | -0.65      | 20.45     | PASS    |
| Band12 | 1.4             | 23095      | 3       | #Mid        | QPSK       | 23.33       | -0.65      | 20.53     | PASS    |
| Band12 | 1.4             | 23095      | 3       | #Max        | QPSK       | 23.40       | -0.65      | 20.60     | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 22.35       | -0.65      | 19.55     | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | 16QAM      | 22.38       | -0.65      | 19.58     | PASS    |
| Band12 | 1.4             | 23095      | 1       | #Mid        | 16QAM      | 22.48       | -0.65      | 19.68     | PASS    |
| Band12 | 1.4             | 23095      | 1       | #Max        | 16QAM      | 22.25       | -0.65      | 19.45     | PASS    |
| Band12 | 1.4             | 23095      | 3       | #0          | 16QAM      | 22.12       | -0.65      | 19.32     | PASS    |
| Band12 | 1.4             | 23095      | 3       | #Mid        | 16QAM      | 22.18       | -0.65      | 19.38     | PASS    |
| Band12 | 1.4             | 23095      | 3       | #Max        | 16QAM      | 22.13       | -0.65      | 19.33     | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | 16QAM      | 21.38       | -0.65      | 18.58     | PASS    |
| Band12 | 1.4             | 23173      | 1       | #0          | QPSK       | 22.90       | -0.65      | 20.10     | PASS    |
| Band12 | 1.4             | 23173      | 1       | #Mid        | QPSK       | 23.11       | -0.65      | 20.31     | PASS    |
| Band12 | 1.4             | 23173      | 1       | #Max        | QPSK       | 23.29       | -0.65      | 20.49     | PASS    |
| Band12 | 1.4             | 23173      | 3       | #0          | QPSK       | 23.17       | -0.65      | 20.37     | PASS    |
| Band12 | 1.4             | 23173      | 3       | #Mid        | QPSK       | 23.24       | -0.65      | 20.44     | PASS    |
| Band12 | 1.4             | 23173      | 3       | #Max        | QPSK       | 23.24       | -0.65      | 20.44     | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 22.35       | -0.65      | 19.55     | PASS    |
| Band12 | 1.4             | 23173      | 1       | #0          | 16QAM      | 21.90       | -0.65      | 19.10     | PASS    |

|        |     |       |    |      |       |       |       |       |      |
|--------|-----|-------|----|------|-------|-------|-------|-------|------|
| Band12 | 1.4 | 23173 | 1  | #Mid | 16QAM | 21.95 | -0.65 | 19.15 | PASS |
| Band12 | 1.4 | 23173 | 1  | #Max | 16QAM | 22.00 | -0.65 | 19.20 | PASS |
| Band12 | 1.4 | 23173 | 3  | #0   | 16QAM | 21.99 | -0.65 | 19.19 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Mid | 16QAM | 22.08 | -0.65 | 19.28 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Max | 16QAM | 22.06 | -0.65 | 19.26 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0   | 16QAM | 21.28 | -0.65 | 18.48 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | QPSK  | 23.11 | -0.65 | 20.31 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 23.49 | -0.65 | 20.69 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | QPSK  | 23.01 | -0.65 | 20.21 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | QPSK  | 22.16 | -0.65 | 19.36 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 22.31 | -0.65 | 19.51 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | QPSK  | 22.23 | -0.65 | 19.43 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | QPSK  | 22.08 | -0.65 | 19.28 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | 16QAM | 22.79 | -0.65 | 19.99 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | 16QAM | 22.82 | -0.65 | 20.02 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | 16QAM | 22.90 | -0.65 | 20.10 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | 16QAM | 21.57 | -0.65 | 18.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | 16QAM | 21.54 | -0.65 | 18.74 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | 16QAM | 21.54 | -0.65 | 18.74 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | 16QAM | 21.22 | -0.65 | 18.42 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | QPSK  | 23.12 | -0.65 | 20.32 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 23.51 | -0.65 | 20.71 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | QPSK  | 23.51 | -0.65 | 20.71 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | QPSK  | 22.29 | -0.65 | 19.49 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 22.31 | -0.65 | 19.51 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | QPSK  | 22.30 | -0.65 | 19.50 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | QPSK  | 22.39 | -0.65 | 19.59 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | 16QAM | 22.08 | -0.65 | 19.28 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | 16QAM | 22.38 | -0.65 | 19.58 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | 16QAM | 22.06 | -0.65 | 19.26 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | 16QAM | 21.22 | -0.65 | 18.42 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | 16QAM | 21.24 | -0.65 | 18.44 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | 16QAM | 21.15 | -0.65 | 18.35 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | 16QAM | 21.27 | -0.65 | 18.47 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | QPSK  | 23.09 | -0.65 | 20.29 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 23.24 | -0.65 | 20.44 | PASS |
| Band12 | 3   | 23165 | 1  | #Max | QPSK  | 23.45 | -0.65 | 20.65 | PASS |
| Band12 | 3   | 23165 | 8  | #0   | QPSK  | 22.28 | -0.65 | 19.48 | PASS |
| Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 22.29 | -0.65 | 19.49 | PASS |
| Band12 | 3   | 23165 | 8  | #Max | QPSK  | 22.25 | -0.65 | 19.45 | PASS |
| Band12 | 3   | 23165 | 15 | #0   | QPSK  | 22.36 | -0.65 | 19.56 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | 16QAM | 22.27 | -0.65 | 19.47 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | 16QAM | 22.18 | -0.65 | 19.38 | PASS |

|        |   |       |    |      |       |       |       |       |      |
|--------|---|-------|----|------|-------|-------|-------|-------|------|
| Band12 | 3 | 23165 | 1  | #Max | 16QAM | 22.33 | -0.65 | 19.53 | PASS |
| Band12 | 3 | 23165 | 8  | #0   | 16QAM | 21.48 | -0.65 | 18.68 | PASS |
| Band12 | 3 | 23165 | 8  | #Mid | 16QAM | 21.39 | -0.65 | 18.59 | PASS |
| Band12 | 3 | 23165 | 8  | #Max | 16QAM | 21.34 | -0.65 | 18.54 | PASS |
| Band12 | 3 | 23165 | 15 | #0   | 16QAM | 21.41 | -0.65 | 18.61 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | QPSK  | 23.13 | -0.65 | 20.33 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 23.78 | -0.65 | 20.98 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | QPSK  | 23.18 | -0.65 | 20.38 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | QPSK  | 22.14 | -0.65 | 19.34 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 22.30 | -0.65 | 19.50 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | QPSK  | 22.22 | -0.65 | 19.42 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | QPSK  | 22.09 | -0.65 | 19.29 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | 16QAM | 22.34 | -0.65 | 19.54 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | 16QAM | 22.63 | -0.65 | 19.83 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | 16QAM | 22.19 | -0.65 | 19.39 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | 16QAM | 20.96 | -0.65 | 18.16 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | 16QAM | 21.13 | -0.65 | 18.33 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | 16QAM | 21.04 | -0.65 | 18.24 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | 16QAM | 21.26 | -0.65 | 18.46 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | QPSK  | 23.21 | -0.65 | 20.41 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 23.49 | -0.65 | 20.69 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | QPSK  | 23.09 | -0.65 | 20.29 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | QPSK  | 22.38 | -0.65 | 19.58 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 22.50 | -0.65 | 19.70 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | QPSK  | 22.47 | -0.65 | 19.67 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | QPSK  | 22.45 | -0.65 | 19.65 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | 16QAM | 22.34 | -0.65 | 19.54 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | 16QAM | 22.44 | -0.65 | 19.64 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | 16QAM | 22.41 | -0.65 | 19.61 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | 16QAM | 21.18 | -0.65 | 18.38 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | 16QAM | 21.30 | -0.65 | 18.50 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | 16QAM | 21.26 | -0.65 | 18.46 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | 16QAM | 21.28 | -0.65 | 18.48 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | QPSK  | 23.24 | -0.65 | 20.44 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 23.21 | -0.65 | 20.41 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | QPSK  | 23.24 | -0.65 | 20.44 | PASS |
| Band12 | 5 | 23155 | 12 | #0   | QPSK  | 22.31 | -0.65 | 19.51 | PASS |
| Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 22.25 | -0.65 | 19.45 | PASS |
| Band12 | 5 | 23155 | 12 | #Max | QPSK  | 22.10 | -0.65 | 19.30 | PASS |
| Band12 | 5 | 23155 | 25 | #0   | QPSK  | 22.27 | -0.65 | 19.47 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | 16QAM | 22.36 | -0.65 | 19.56 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | 16QAM | 22.50 | -0.65 | 19.70 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | 16QAM | 22.20 | -0.65 | 19.40 | PASS |

|        |    |       |    |      |       |       |       |       |      |
|--------|----|-------|----|------|-------|-------|-------|-------|------|
| Band12 | 5  | 23155 | 12 | #0   | 16QAM | 21.37 | -0.65 | 18.57 | PASS |
| Band12 | 5  | 23155 | 12 | #Mid | 16QAM | 21.20 | -0.65 | 18.40 | PASS |
| Band12 | 5  | 23155 | 12 | #Max | 16QAM | 21.08 | -0.65 | 18.28 | PASS |
| Band12 | 5  | 23155 | 25 | #0   | 16QAM | 21.31 | -0.65 | 18.51 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | QPSK  | 23.09 | -0.65 | 20.29 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 23.36 | -0.65 | 20.56 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | QPSK  | 23.19 | -0.65 | 20.39 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | QPSK  | 22.17 | -0.65 | 19.37 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 22.28 | -0.65 | 19.48 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | QPSK  | 22.37 | -0.65 | 19.57 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | QPSK  | 22.35 | -0.65 | 19.55 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | 16QAM | 22.66 | -0.65 | 19.86 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | 16QAM | 23.13 | -0.65 | 20.33 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | 16QAM | 22.68 | -0.65 | 19.88 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | 16QAM | 21.26 | -0.65 | 18.46 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | 16QAM | 21.27 | -0.65 | 18.47 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | 16QAM | 21.28 | -0.65 | 18.48 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | 16QAM | 21.35 | -0.65 | 18.55 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | QPSK  | 23.11 | -0.65 | 20.31 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 23.60 | -0.65 | 20.80 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | QPSK  | 23.14 | -0.65 | 20.34 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | QPSK  | 22.31 | -0.65 | 19.51 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 22.46 | -0.65 | 19.66 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | QPSK  | 22.30 | -0.65 | 19.50 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | QPSK  | 22.25 | -0.65 | 19.45 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | 16QAM | 21.71 | -0.65 | 18.91 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | 16QAM | 22.17 | -0.65 | 19.37 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | 16QAM | 21.52 | -0.65 | 18.72 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | 16QAM | 21.11 | -0.65 | 18.31 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | 16QAM | 21.28 | -0.65 | 18.48 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | 16QAM | 21.19 | -0.65 | 18.39 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | 16QAM | 21.19 | -0.65 | 18.39 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | QPSK  | 23.40 | -0.65 | 20.60 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 23.46 | -0.65 | 20.66 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | QPSK  | 23.06 | -0.65 | 20.26 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | QPSK  | 22.52 | -0.65 | 19.72 | PASS |
| Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 22.44 | -0.65 | 19.64 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | QPSK  | 22.30 | -0.65 | 19.50 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | QPSK  | 22.42 | -0.65 | 19.62 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | 16QAM | 22.27 | -0.65 | 19.47 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | 16QAM | 22.46 | -0.65 | 19.66 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | 16QAM | 22.15 | -0.65 | 19.35 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | 16QAM | 21.68 | -0.65 | 18.88 | PASS |

|        |    |       |    |      |       |       |       |       |      |
|--------|----|-------|----|------|-------|-------|-------|-------|------|
| Band12 | 10 | 23130 | 25 | #Mid | 16QAM | 21.52 | -0.65 | 18.72 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | 16QAM | 21.25 | -0.65 | 18.45 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | 16QAM | 21.30 | -0.65 | 18.50 | PASS |





## Appendix 2. Frequency stability

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperatue<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | LV               | NT                | -0.84          | -0.001          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | NT                | -1.57          | -0.002          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | HV               | NT                | -0.82          | -0.001          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | LV               | NT                | -1.39          | -0.002          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | NV               | NT                | -1.49          | -0.002          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | HV               | NT                | -1.73          | -0.002          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | LV               | NT                | -0.73          | -0.001          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | NV               | NT                | -1.20          | -0.002          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | HV               | NT                | -0.93          | -0.001          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | LV               | NT                | -1.33          | -0.002          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | NV               | NT                | -1.39          | -0.002          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | HV               | NT                | -1.99          | -0.003          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | LV               | NT                | -1.56          | -0.002          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | NV               | NT                | -0.77          | -0.001          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | HV               | NT                | -1.27          | -0.002          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | LV               | NT                | -1.23          | -0.002          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | NV               | NT                | -1.57          | -0.002          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | HV               | NT                | -2.29          | -0.003          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | LV               | NT                | -2.46          | -0.004          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | NV               | NT                | -2.73          | -0.004          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | HV               | NT                | -2.55          | -0.004          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | LV               | NT                | -1.80          | -0.003          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | NV               | NT                | -3.38          | -0.005          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | HV               | NT                | -3.10          | -0.004          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | LV               | NT                | -1.13          | -0.002          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | NV               | NT                | -1.46          | -0.002          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | HV               | NT                | -1.27          | -0.002          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | LV               | NT                | -2.05          | -0.003          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | NV               | NT                | -2.03          | -0.003          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | HV               | NT                | -2.09          | -0.003          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | LV               | NT                | -1.16          | -0.002          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | NV               | NT                | -0.19          | 0.000           | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | HV               | NT                | -0.14          | 0.000           | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | LV               | NT                | -0.63          | -0.001          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | NV               | NT                | -1.02          | -0.001          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | HV               | NT                | -0.83          | -0.001          | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | LV               | NT                | -0.79          | -0.001          | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | NV               | NT                | -0.82          | -0.001          | PASS    |



|        |    |       |    |    |       |    |    |       |        |      |
|--------|----|-------|----|----|-------|----|----|-------|--------|------|
| Band12 | 5  | 23035 | 25 | #0 | QPSK  | HV | NT | -1.30 | -0.002 | PASS |
| Band12 | 5  | 23035 | 25 | #0 | 16QAM | LV | NT | -1.50 | -0.002 | PASS |
| Band12 | 5  | 23035 | 25 | #0 | 16QAM | NV | NT | -1.00 | -0.001 | PASS |
| Band12 | 5  | 23035 | 25 | #0 | 16QAM | HV | NT | -1.39 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | QPSK  | LV | NT | -0.93 | -0.001 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | QPSK  | NV | NT | -0.70 | -0.001 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | QPSK  | HV | NT | -1.47 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | LV | NT | -1.46 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | NT | -1.12 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | HV | NT | -1.20 | -0.002 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | LV | NT | -0.89 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | NT | -1.29 | -0.002 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | HV | NT | -1.13 | -0.002 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | LV | NT | -0.77 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | NT | -1.30 | -0.002 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | HV | NT | -1.39 | -0.002 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | LV | NT | 0.87  | 0.001  | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | NT | -0.60 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | HV | NT | -0.89 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | LV | NT | -0.93 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | NT | -0.87 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | HV | NT | -0.73 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | LV | NT | -0.63 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | NT | -0.93 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | HV | NT | -1.52 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | LV | NT | -1.53 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | NT | -1.57 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | HV | NT | -1.62 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | LV | NT | -1.44 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | NT | -1.54 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | HV | NT | -2.23 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | LV | NT | -1.87 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | NT | -2.00 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | HV | NT | -2.25 | -0.003 | PASS |

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperature<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|------------------|--------------------|----------------|-----------------|---------|
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | -30                | 0.23           | 0.000           | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | -20                | 0.04           | 0.000           | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | -10                | -0.49          | -0.001          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | 0                  | -1.95          | -0.003          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | 10                 | -0.72          | -0.001          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | 20                 | -1.34          | -0.002          | PASS    |

|        |     |       |   |    |       |    |     |       |        |      |
|--------|-----|-------|---|----|-------|----|-----|-------|--------|------|
| Band12 | 1.4 | 23017 | 6 | #0 | QPSK  | NV | 30  | -0.27 | 0.000  | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | QPSK  | NV | 40  | -1.26 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | QPSK  | NV | 50  | -0.76 | -0.001 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | -30 | -1.27 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | -20 | -1.70 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | -10 | -1.17 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 0   | -1.70 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 10  | -0.84 | -0.001 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 20  | -1.70 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 30  | -1.46 | -0.002 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 40  | -1.95 | -0.003 | PASS |
| Band12 | 1.4 | 23017 | 6 | #0 | 16QAM | NV | 50  | -1.34 | -0.002 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -30 | -2.00 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -20 | -1.86 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | -10 | -1.26 | -0.002 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 0   | -1.92 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 10  | -1.72 | -0.002 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 20  | -1.27 | -0.002 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 30  | -1.80 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 40  | -1.43 | -0.002 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | QPSK  | NV | 50  | -2.53 | -0.004 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -30 | -1.70 | -0.002 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -20 | -2.22 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | -10 | -2.07 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 0   | -2.70 | -0.004 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 10  | -1.83 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 20  | -1.00 | -0.001 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 30  | -2.47 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 40  | -2.25 | -0.003 | PASS |
| Band12 | 1.4 | 23095 | 6 | #0 | 16QAM | NV | 50  | -2.22 | -0.003 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | -30 | -0.57 | -0.001 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | -20 | -2.00 | -0.003 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | -10 | -0.69 | -0.001 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | 0   | -1.04 | -0.001 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | 10  | -1.10 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | 20  | -1.26 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | 30  | -0.34 | 0.000  | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | 40  | -1.23 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | QPSK  | NV | 50  | -0.76 | -0.001 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | 16QAM | NV | -30 | -1.46 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | 16QAM | NV | -20 | -1.82 | -0.003 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | 16QAM | NV | -10 | -0.60 | -0.001 | PASS |
| Band12 | 1.4 | 23173 | 6 | #0 | 16QAM | NV | 0   | -1.70 | -0.002 | PASS |

|        |     |       |    |    |       |    |     |       |        |      |
|--------|-----|-------|----|----|-------|----|-----|-------|--------|------|
| Band12 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 10  | -1.27 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 20  | -0.74 | -0.001 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 30  | -1.22 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 40  | -1.14 | -0.002 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0 | 16QAM | NV | 50  | -0.96 | -0.001 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | -30 | -2.50 | -0.004 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | -20 | -2.50 | -0.004 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | -10 | -2.05 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | 0   | -1.59 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | 10  | -2.30 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | 20  | -1.76 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | 30  | -1.79 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | 40  | -2.30 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | NV | 50  | -1.70 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | -30 | -1.06 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | -20 | -1.43 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | -10 | -1.53 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | 0   | -1.77 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | 10  | -1.63 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | 20  | -2.05 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | 30  | -2.32 | -0.003 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | 40  | -1.67 | -0.002 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | NV | 50  | -1.29 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | -30 | -0.70 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | -20 | -0.41 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | -10 | -1.32 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | 0   | -0.69 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | 10  | -0.94 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | 20  | -0.33 | 0.000  | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | 30  | -0.90 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | 40  | -1.02 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | NV | 50  | -0.92 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | -30 | -2.32 | -0.003 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | -20 | -1.27 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | -10 | -2.26 | -0.003 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | 0   | -0.89 | -0.001 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | 10  | -1.40 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | 20  | -1.33 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | 30  | -1.65 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | 40  | -1.22 | -0.002 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | NV | 50  | -0.86 | -0.001 | PASS |
| Band12 | 3   | 23165 | 15 | #0 | QPSK  | NV | -30 | -0.20 | 0.000  | PASS |
| Band12 | 3   | 23165 | 15 | #0 | QPSK  | NV | -20 | -0.41 | -0.001 | PASS |

|        |   |       |    |    |       |    |     |       |        |      |
|--------|---|-------|----|----|-------|----|-----|-------|--------|------|
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | -10 | -0.29 | 0.000  | PASS |
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | 0   | -1.22 | -0.002 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | 10  | -0.87 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | 20  | -0.30 | 0.000  | PASS |
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | 30  | -0.79 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | 40  | -0.33 | 0.000  | PASS |
| Band12 | 3 | 23165 | 15 | #0 | QPSK  | NV | 50  | -0.64 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | -30 | -0.83 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | -20 | -1.57 | -0.002 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | -10 | -0.92 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | 0   | -0.66 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | 10  | -0.50 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | 20  | -0.94 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | 30  | -1.00 | -0.001 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | 40  | -1.33 | -0.002 | PASS |
| Band12 | 3 | 23165 | 15 | #0 | 16QAM | NV | 50  | -0.93 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | -30 | 0.57  | 0.001  | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | -20 | -0.76 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | -10 | -0.17 | 0.000  | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | 0   | -1.62 | -0.002 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | 10  | -1.12 | -0.002 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | 20  | -0.27 | 0.000  | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | 30  | -0.93 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | 40  | -1.24 | -0.002 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | QPSK  | NV | 50  | -0.59 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | -30 | -0.31 | 0.000  | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | -20 | -1.14 | -0.002 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | -10 | -0.70 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | 0   | -0.23 | 0.000  | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | 10  | -0.87 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | 20  | -1.24 | -0.002 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | 30  | -0.37 | -0.001 | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | 40  | -0.24 | 0.000  | PASS |
| Band12 | 5 | 23035 | 25 | #0 | 16QAM | NV | 50  | -1.13 | -0.002 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | -30 | -1.33 | -0.002 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | -20 | -0.92 | -0.001 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | -10 | -0.86 | -0.001 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | 0   | -1.09 | -0.002 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | 10  | -1.97 | -0.003 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | 20  | -0.89 | -0.001 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | 30  | -0.87 | -0.001 | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | 40  | 0.11  | 0.000  | PASS |
| Band12 | 5 | 23095 | 25 | #0 | QPSK  | NV | 50  | -0.69 | -0.001 | PASS |

|        |    |       |    |    |       |    |     |       |        |      |
|--------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | -30 | -1.54 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | -20 | -0.87 | -0.001 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | -10 | -1.16 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | 0   | -1.70 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | 10  | -1.87 | -0.003 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | 20  | -2.05 | -0.003 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | 30  | -1.73 | -0.002 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | 40  | -2.00 | -0.003 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | 50  | -2.13 | -0.003 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | -30 | -2.06 | -0.003 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | -20 | -0.99 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | -10 | -1.09 | -0.002 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | 0   | -0.67 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | 10  | -0.73 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | 20  | -0.83 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | 30  | -0.76 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | 40  | -0.87 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | 50  | -0.77 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | -30 | -0.72 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | -20 | -1.06 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | -10 | -1.92 | -0.003 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | 0   | -0.97 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | 10  | -1.03 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | 20  | -0.43 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | 30  | -0.76 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | 40  | -1.04 | -0.001 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | 50  | -0.70 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | -30 | 0.27  | 0.000  | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | -20 | -1.90 | -0.003 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | -10 | -1.09 | -0.002 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | 0   | -0.17 | 0.000  | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | 10  | -0.33 | 0.000  | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | 20  | -1.06 | -0.002 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | 30  | -0.87 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | 40  | -0.46 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | 50  | -0.84 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | -30 | -0.69 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | -20 | -0.97 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | -10 | -0.36 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | 0   | -0.51 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | 10  | -1.30 | -0.002 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | 20  | -0.80 | -0.001 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | 30  | -0.30 | 0.000  | PASS |

|        |    |       |    |    |       |    |     |       |        |      |
|--------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | 40  | -0.29 | 0.000  | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | 50  | -0.37 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | -30 | -0.92 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | -20 | -0.82 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | -10 | -0.23 | 0.000  | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 0   | -0.43 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 10  | -1.24 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 20  | -1.23 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 30  | -1.63 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 40  | -1.12 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 50  | -0.76 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | -30 | -1.65 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | -20 | -1.63 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | -10 | -1.04 | -0.001 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | 0   | -1.07 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | 10  | -1.87 | -0.003 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | 20  | -1.70 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | 30  | -1.20 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | 40  | -1.34 | -0.002 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | 50  | -1.42 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | -30 | -1.93 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | -20 | -2.42 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | -10 | -2.20 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 0   | -2.59 | -0.004 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 10  | -2.83 | -0.004 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 20  | -2.06 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 30  | -2.19 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 40  | -1.70 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 50  | -1.82 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | -30 | -1.96 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | -20 | -2.09 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | -10 | -1.47 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | 0   | -1.66 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | 10  | -2.26 | -0.003 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | 20  | -1.73 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | 30  | -1.62 | -0.002 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | 40  | -2.92 | -0.004 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | 50  | -2.83 | -0.004 | PASS |

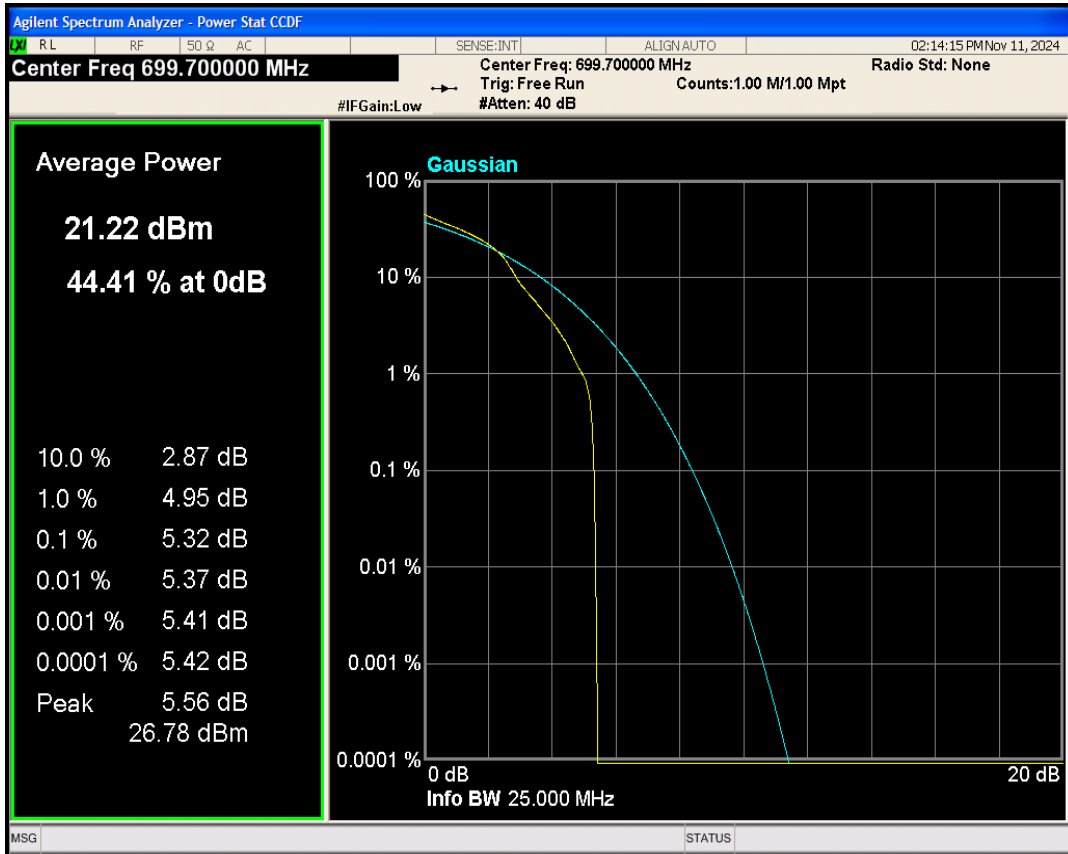


### Appendix 3. Peak-to-Average Ratio

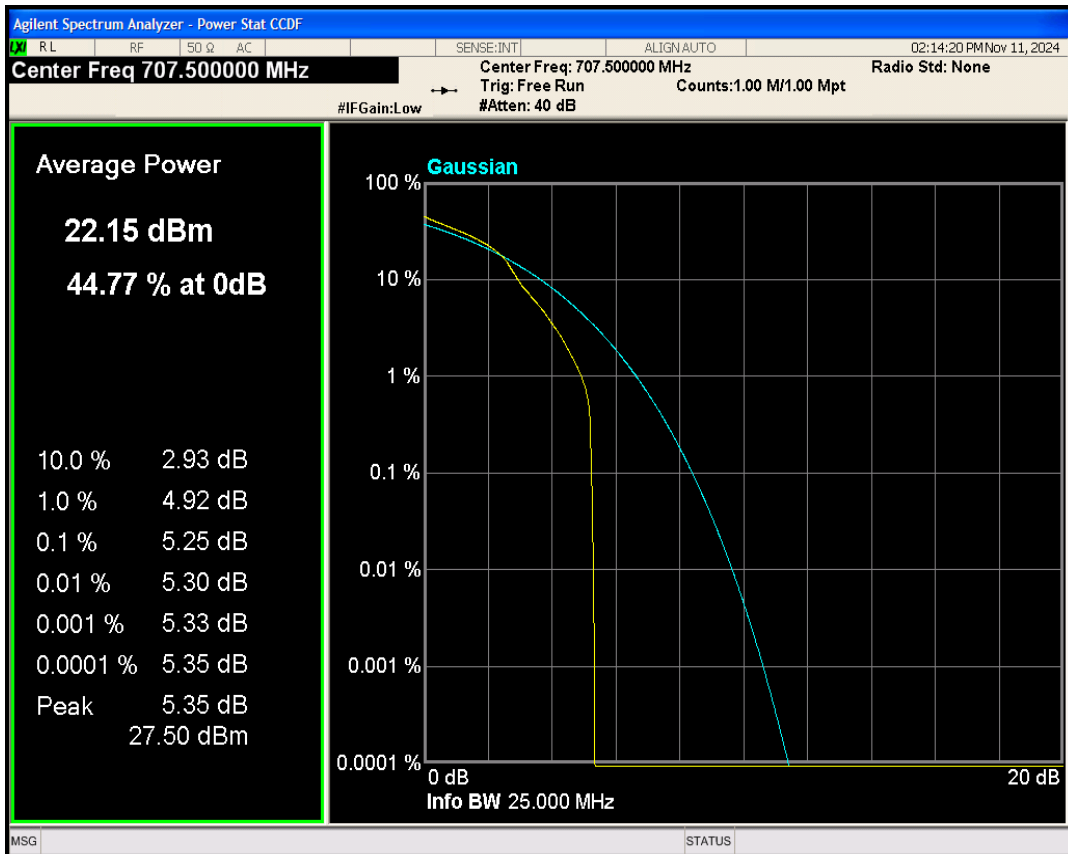
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band12 | 1.4             | 23017      | 1       | #0          | QPSK       | 4.32        | 13              | PASS    |
| Band12 | 1.4             | 23017      | 1       | #0          | 16QAM      | 5.32        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 4.44        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | 16QAM      | 5.25        | 13              | PASS    |
| Band12 | 1.4             | 23173      | 1       | #0          | QPSK       | 4.16        | 13              | PASS    |
| Band12 | 1.4             | 23173      | 1       | #0          | 16QAM      | 4.97        | 13              | PASS    |
| Band12 | 3               | 23025      | 1       | #0          | QPSK       | 4.31        | 13              | PASS    |
| Band12 | 3               | 23025      | 1       | #0          | 16QAM      | 5.24        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | QPSK       | 4.43        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | 16QAM      | 5.31        | 13              | PASS    |
| Band12 | 3               | 23165      | 1       | #0          | QPSK       | 4.33        | 13              | PASS    |
| Band12 | 3               | 23165      | 1       | #0          | 16QAM      | 5.16        | 13              | PASS    |
| Band12 | 5               | 23035      | 1       | #0          | QPSK       | 4.35        | 13              | PASS    |
| Band12 | 5               | 23035      | 1       | #0          | 16QAM      | 5.28        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | QPSK       | 4.44        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | 16QAM      | 5.14        | 13              | PASS    |
| Band12 | 5               | 23155      | 1       | #0          | QPSK       | 4.29        | 13              | PASS    |
| Band12 | 5               | 23155      | 1       | #0          | 16QAM      | 5.01        | 13              | PASS    |
| Band12 | 10              | 23060      | 1       | #0          | QPSK       | 4.28        | 13              | PASS    |
| Band12 | 10              | 23060      | 1       | #0          | 16QAM      | 5.16        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | QPSK       | 4.31        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | 16QAM      | 5.18        | 13              | PASS    |
| Band12 | 10              | 23130      | 1       | #0          | QPSK       | 4.37        | 13              | PASS    |
| Band12 | 10              | 23130      | 1       | #0          | 16QAM      | 5.29        | 13              | PASS    |

Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0

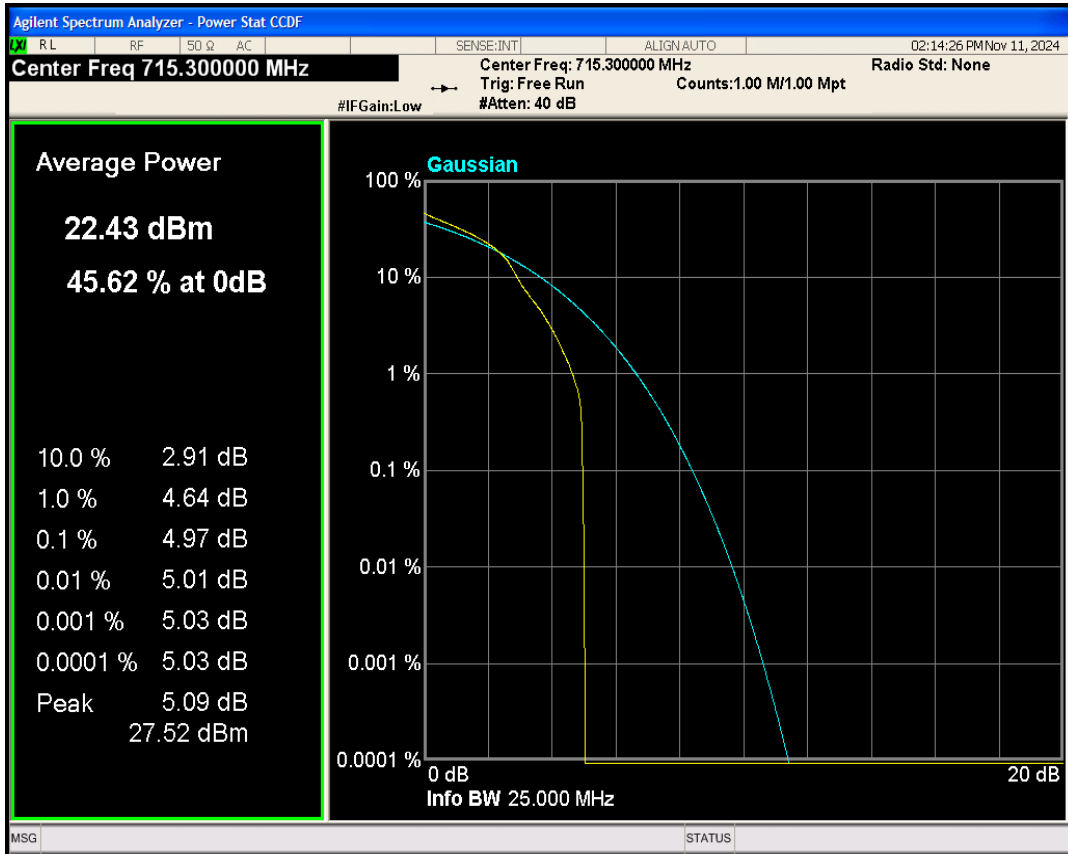




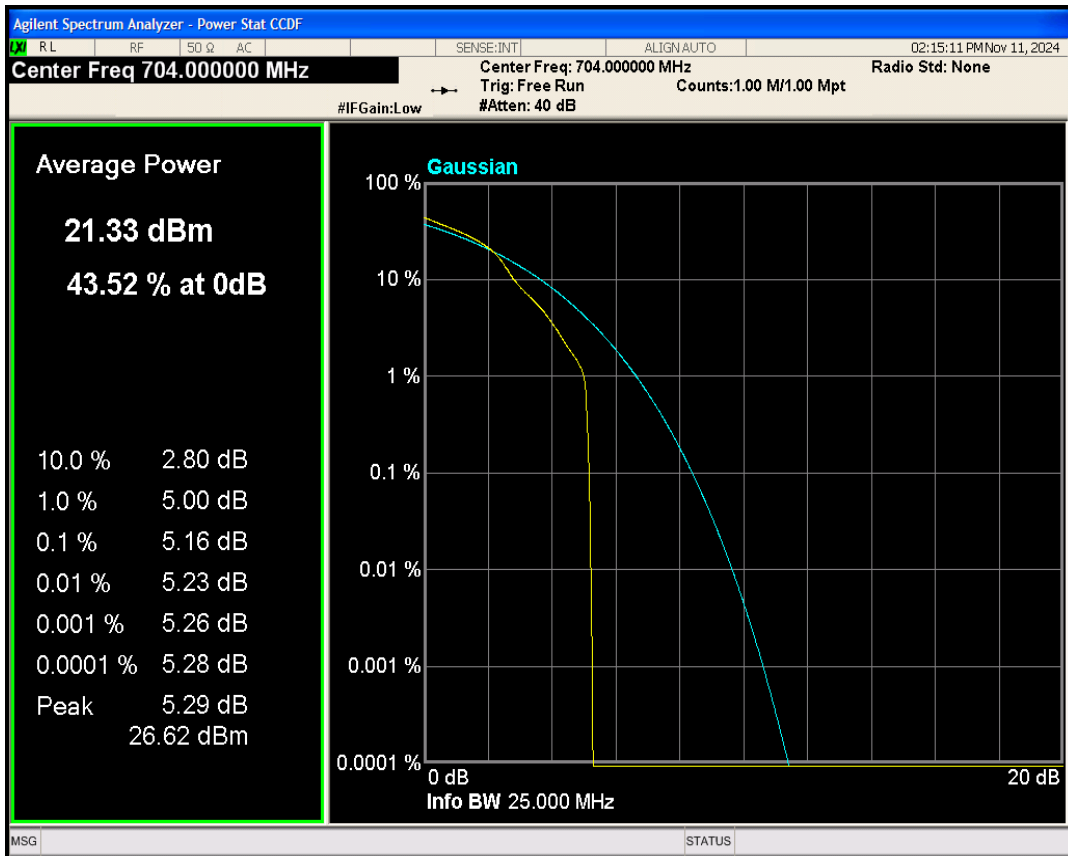
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



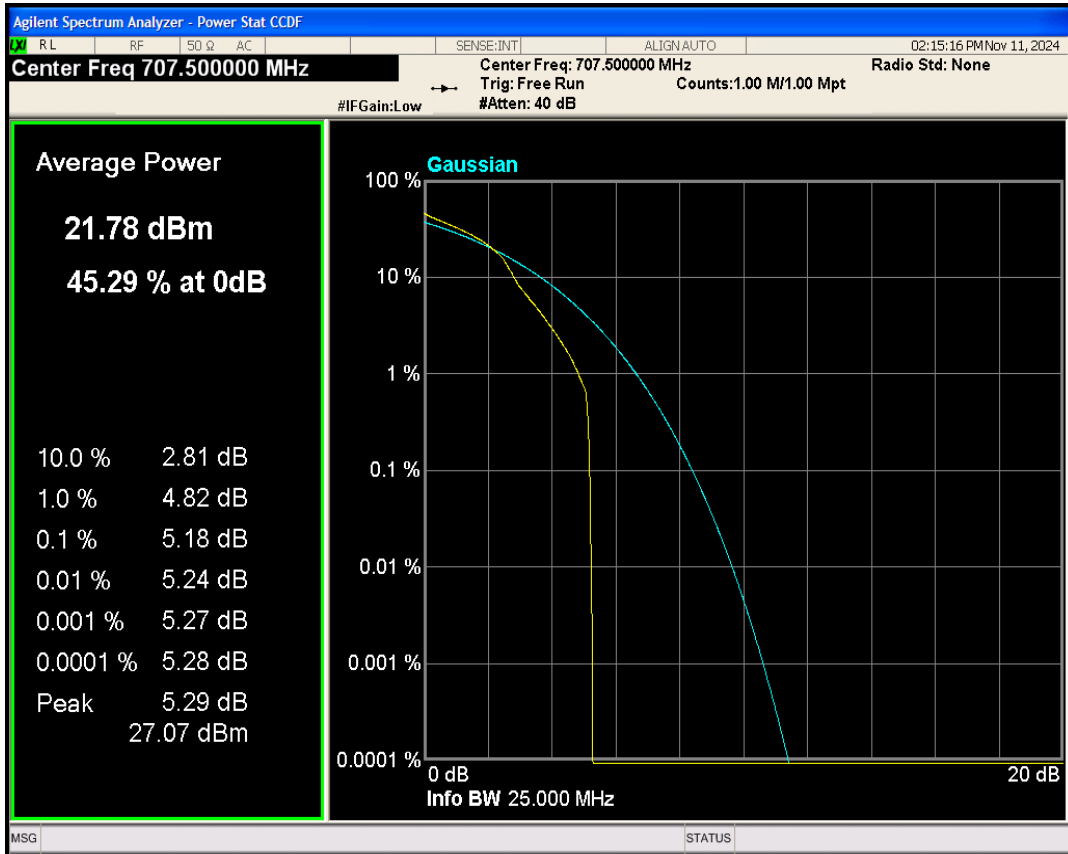
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



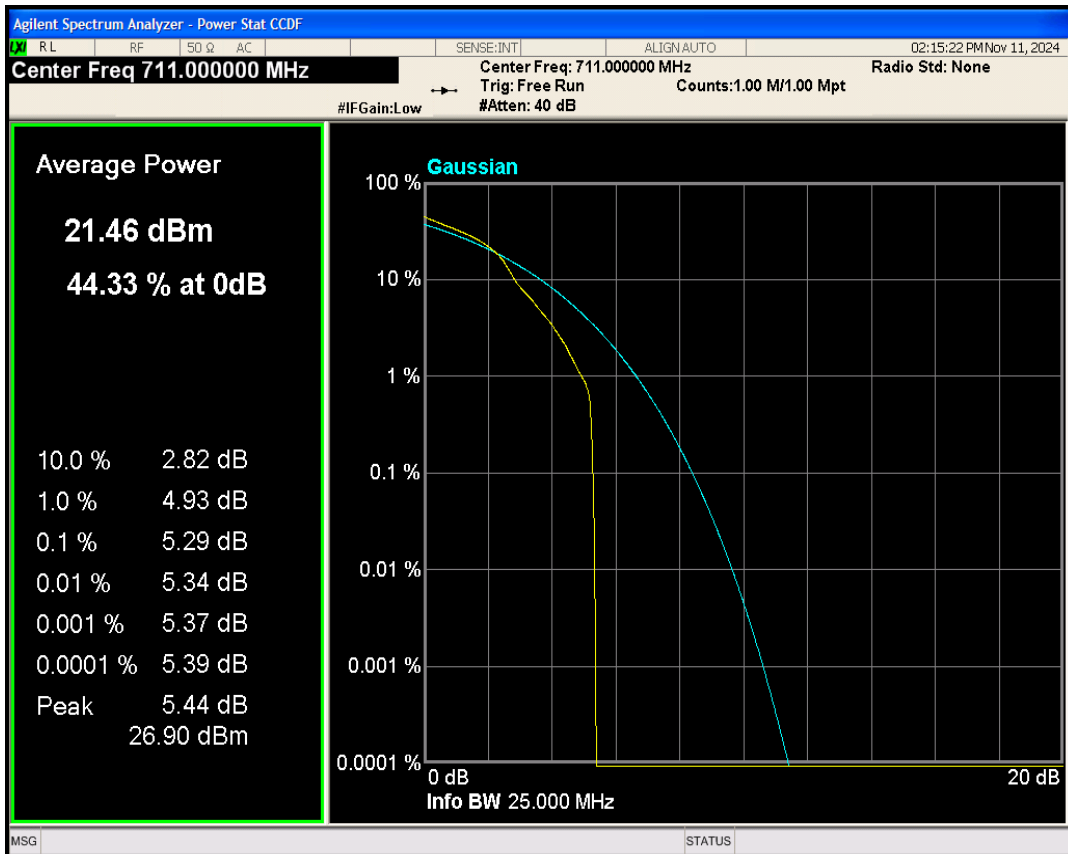
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



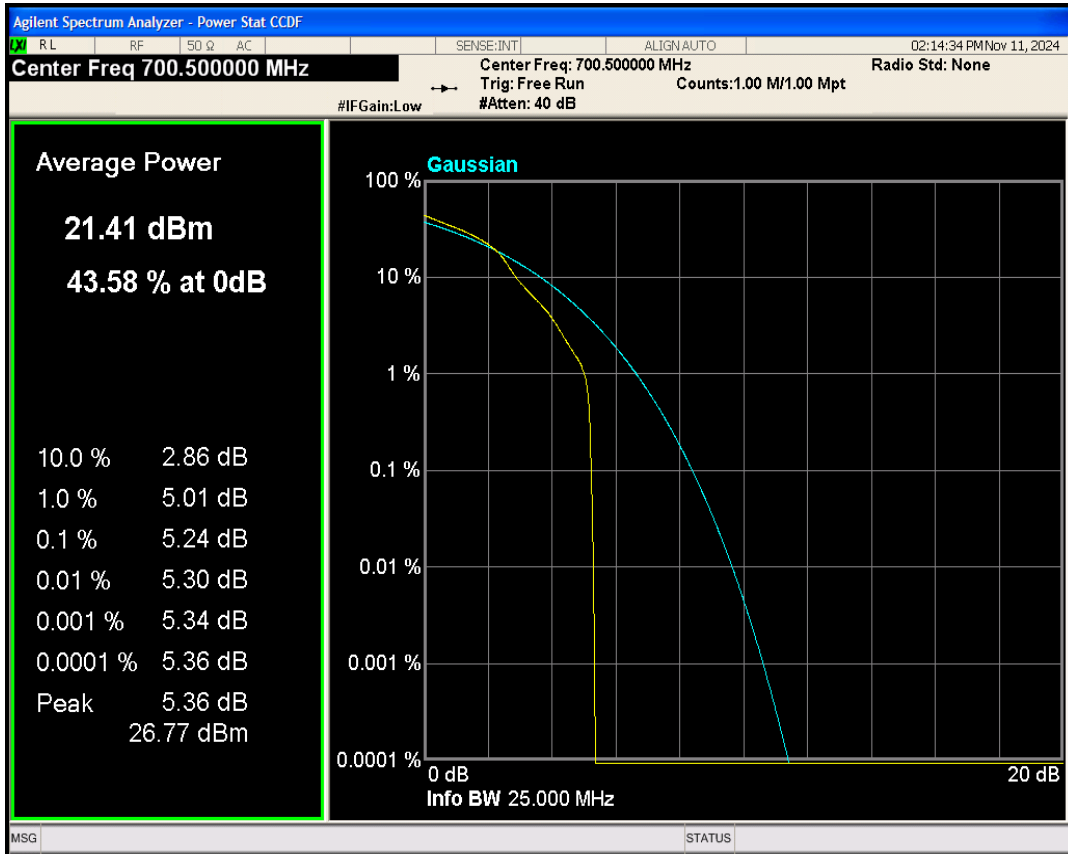
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



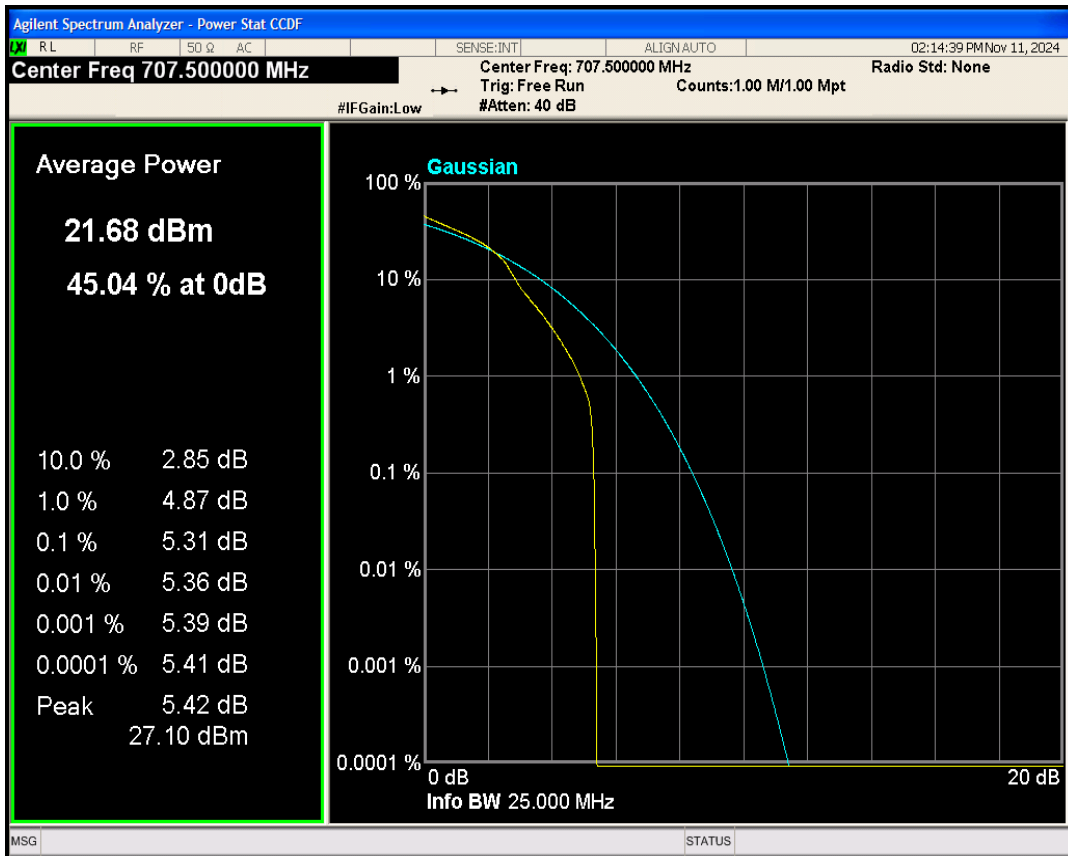
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



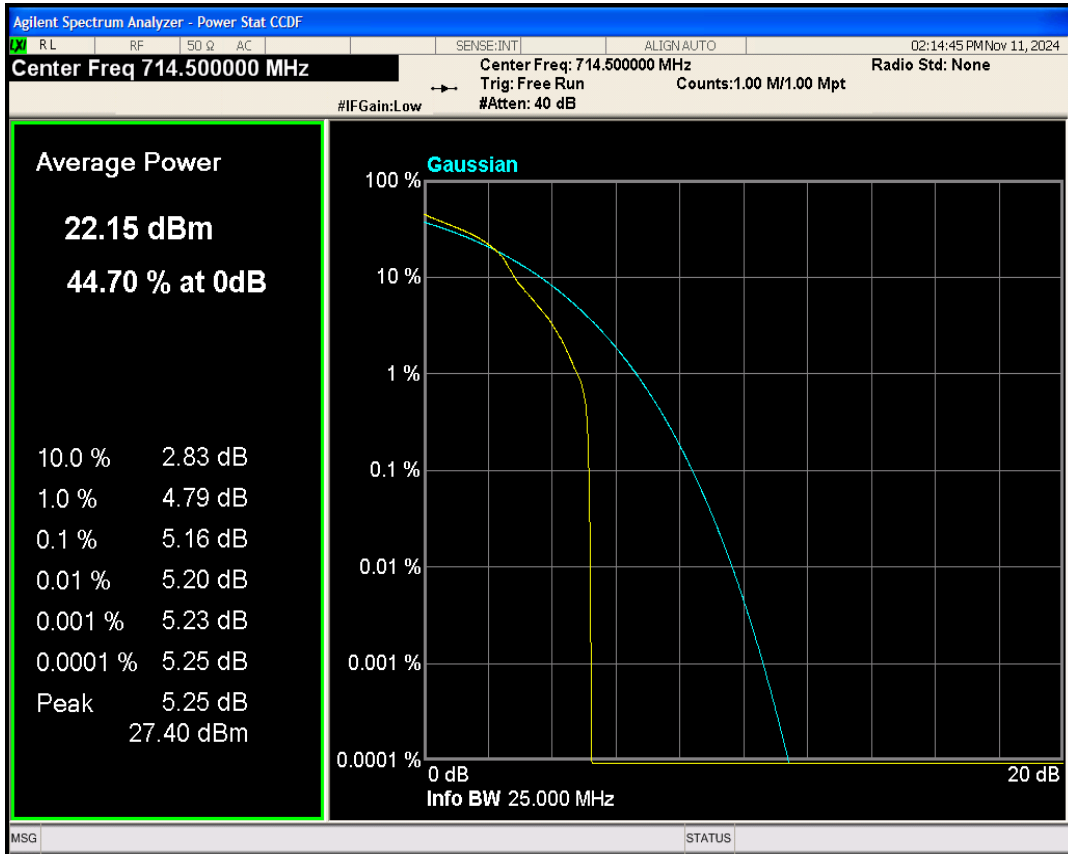
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



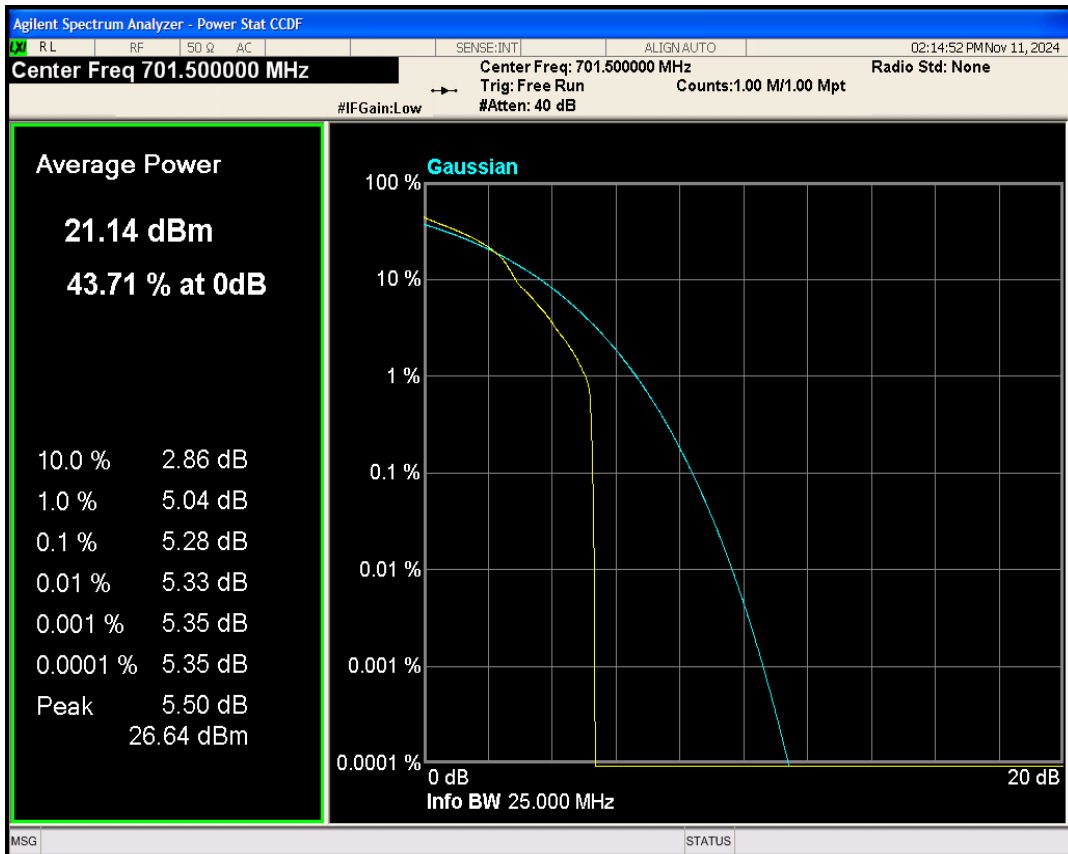
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



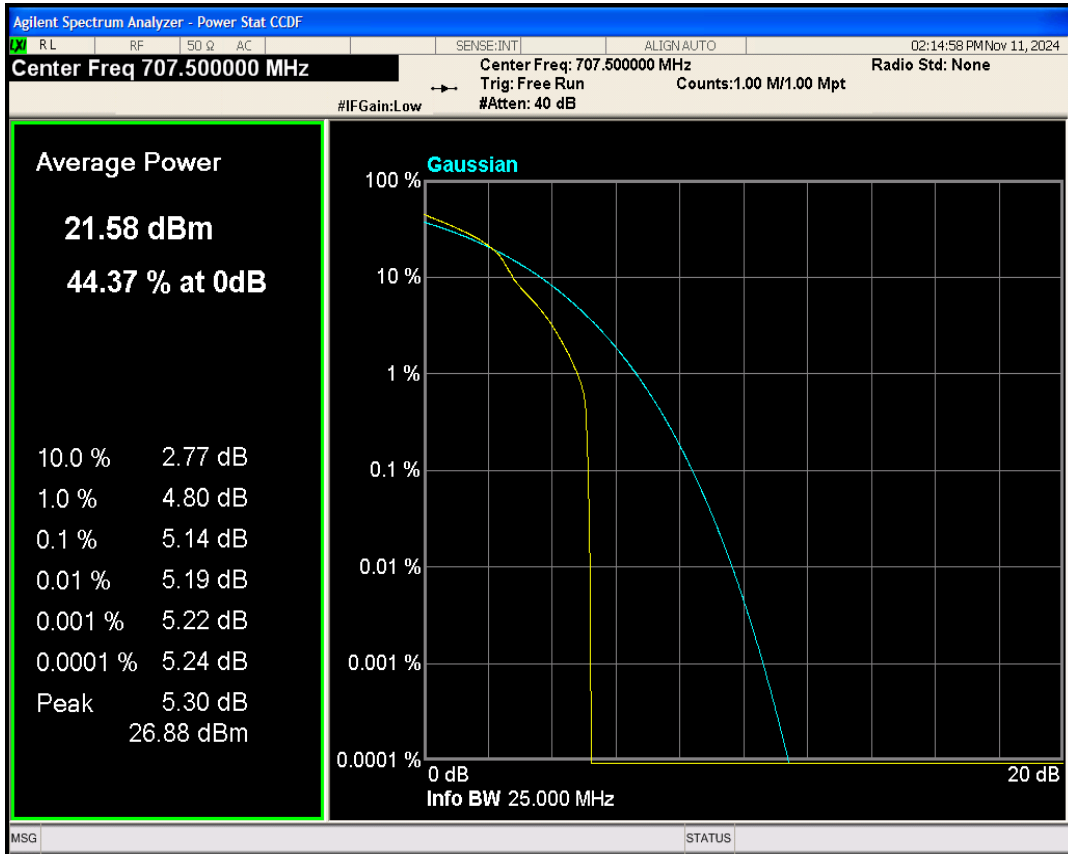
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



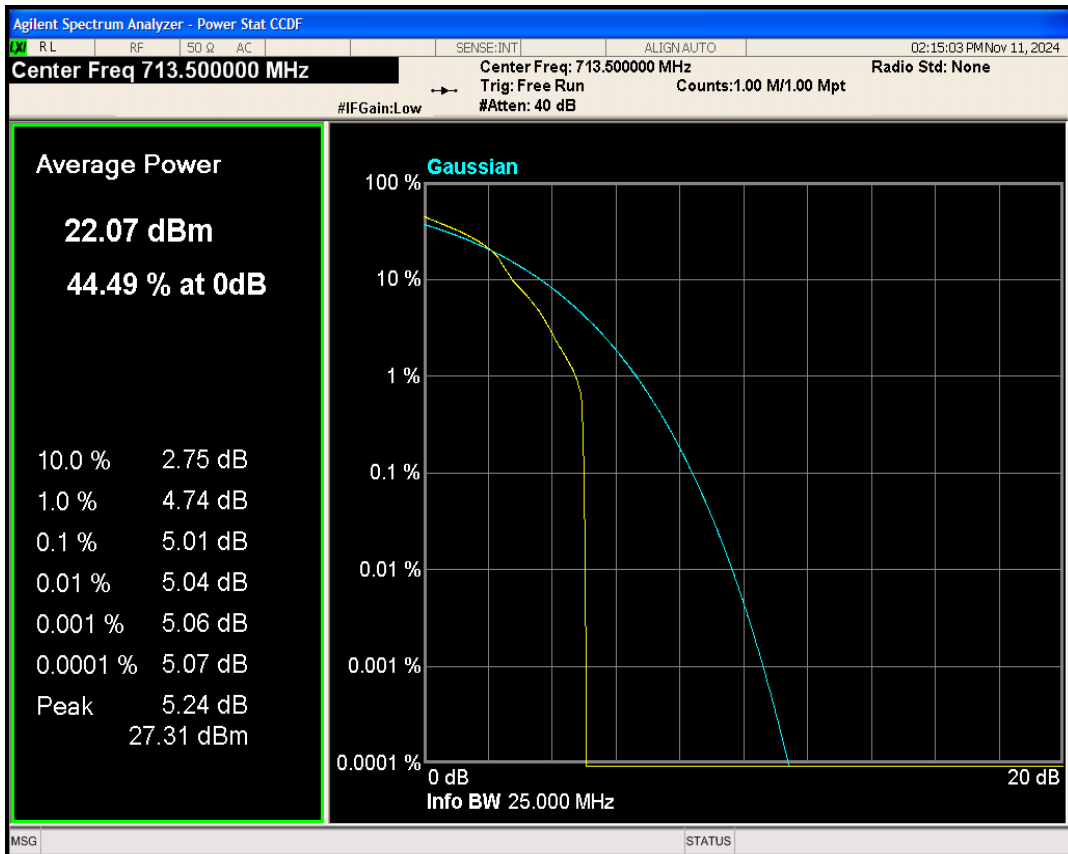
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



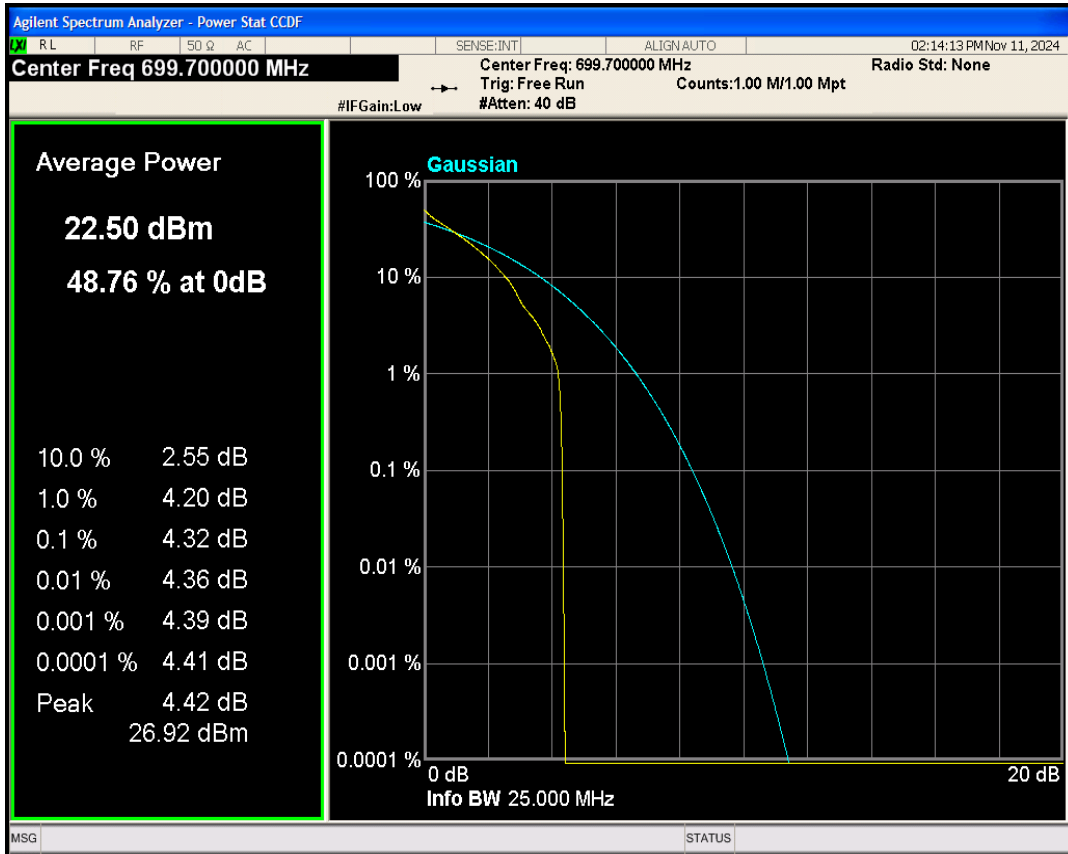
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



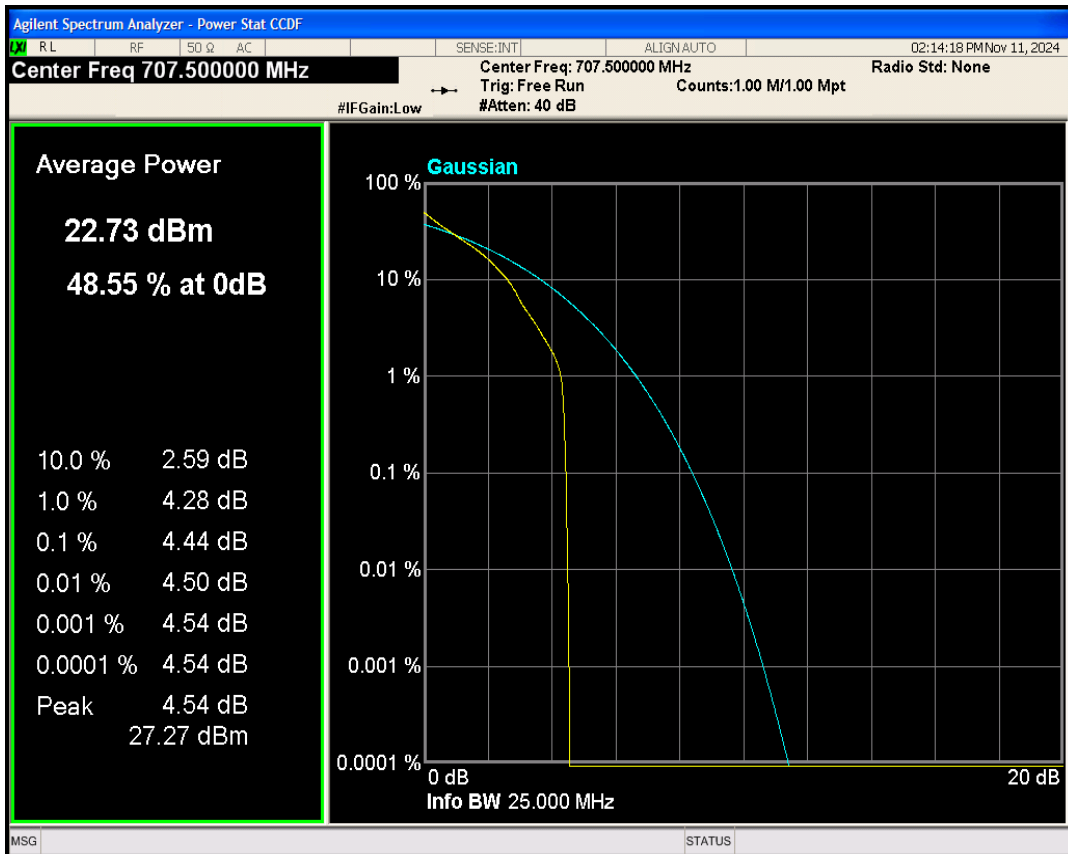
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0

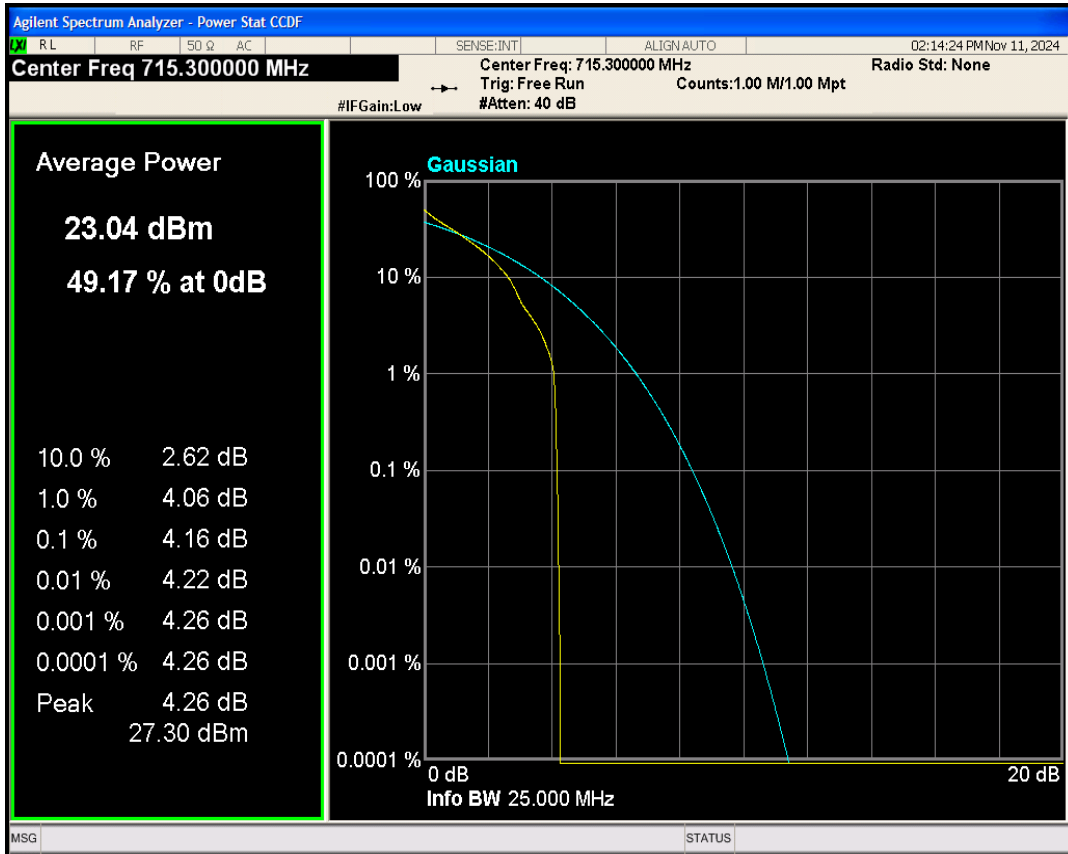


Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0

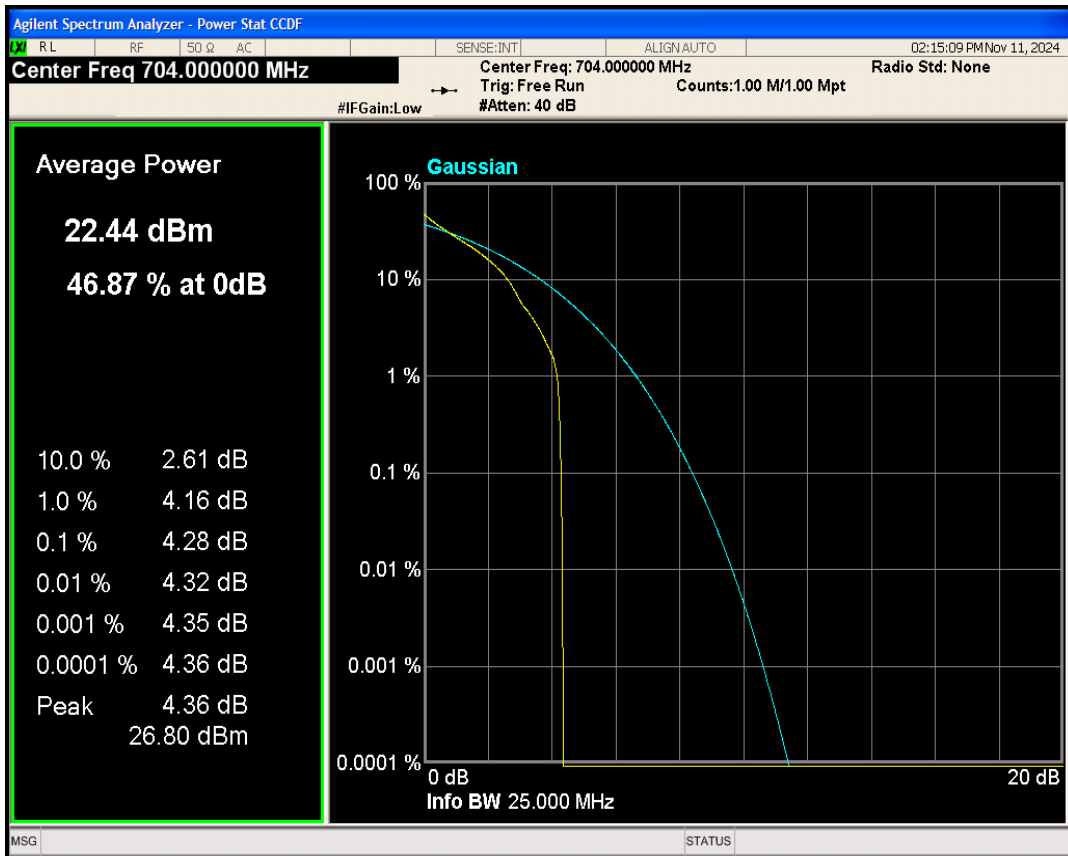


Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0

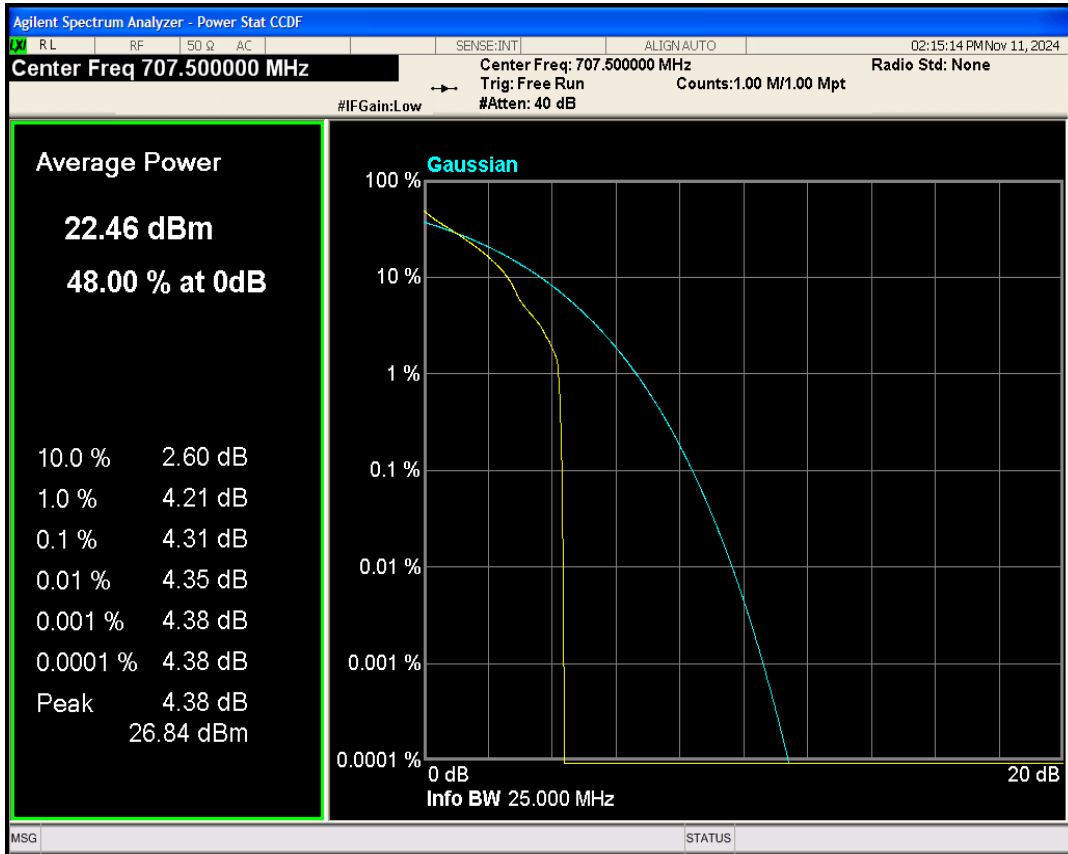




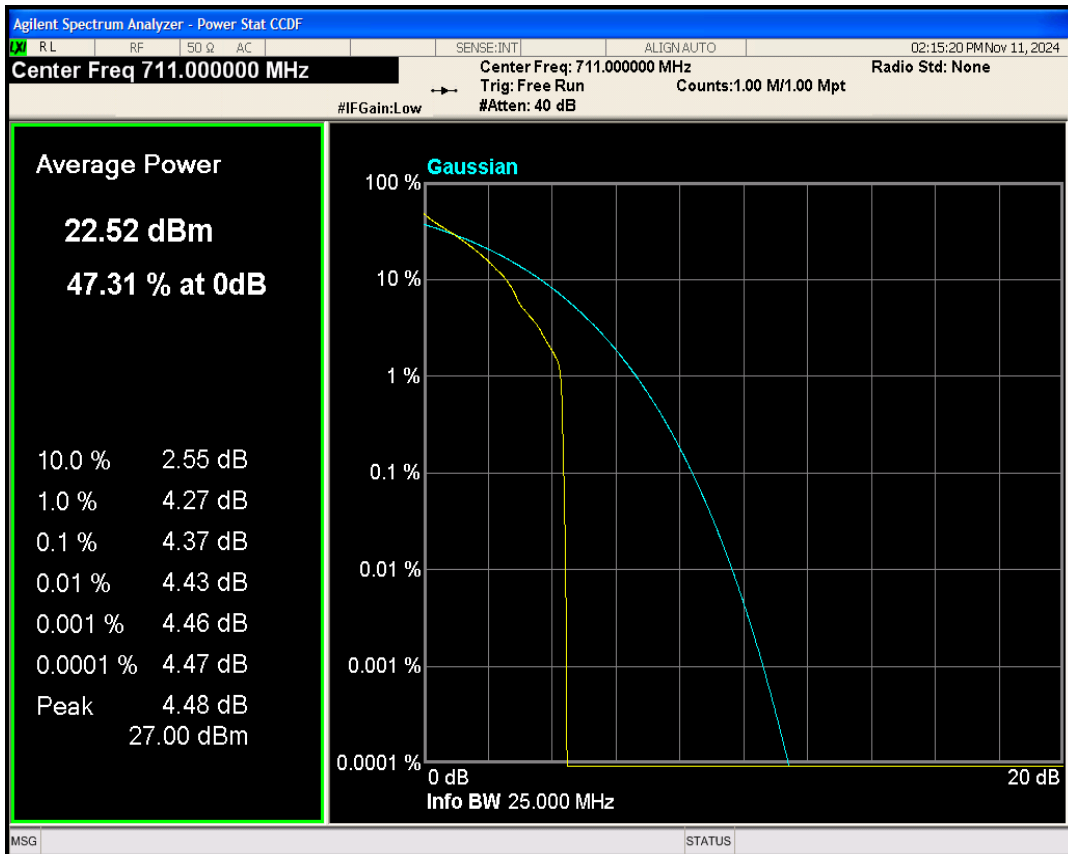
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



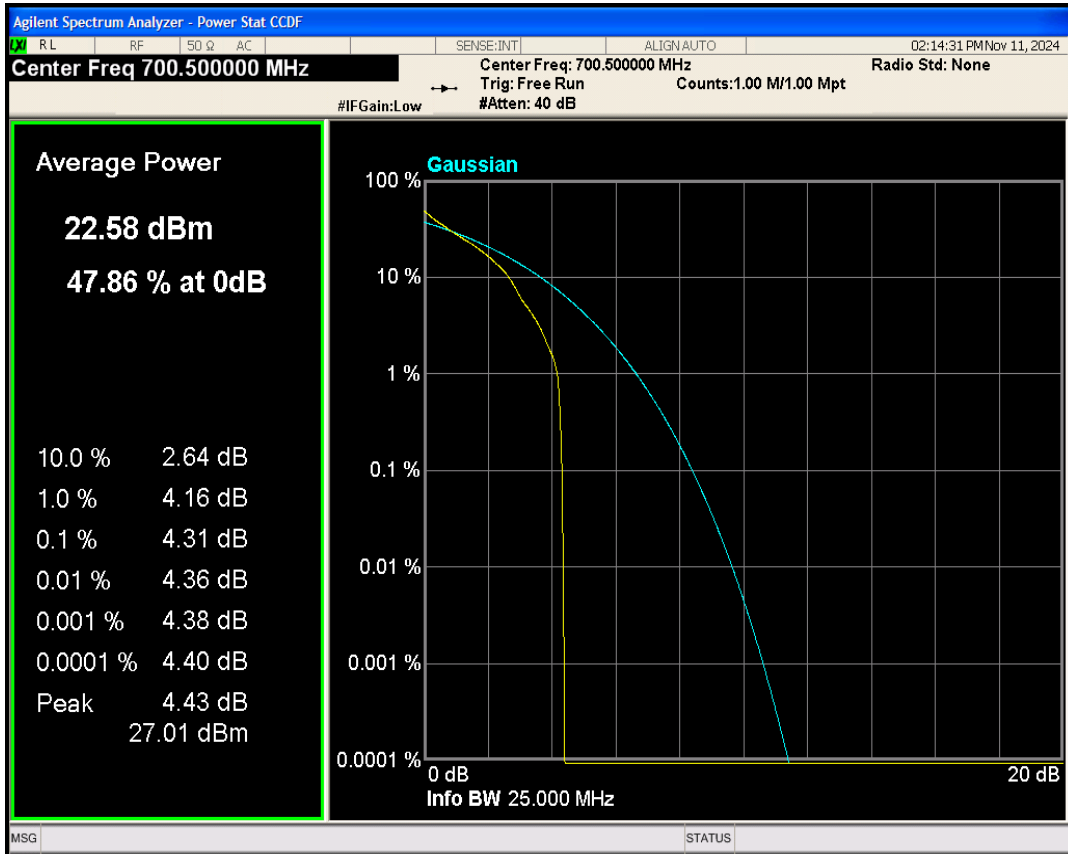
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



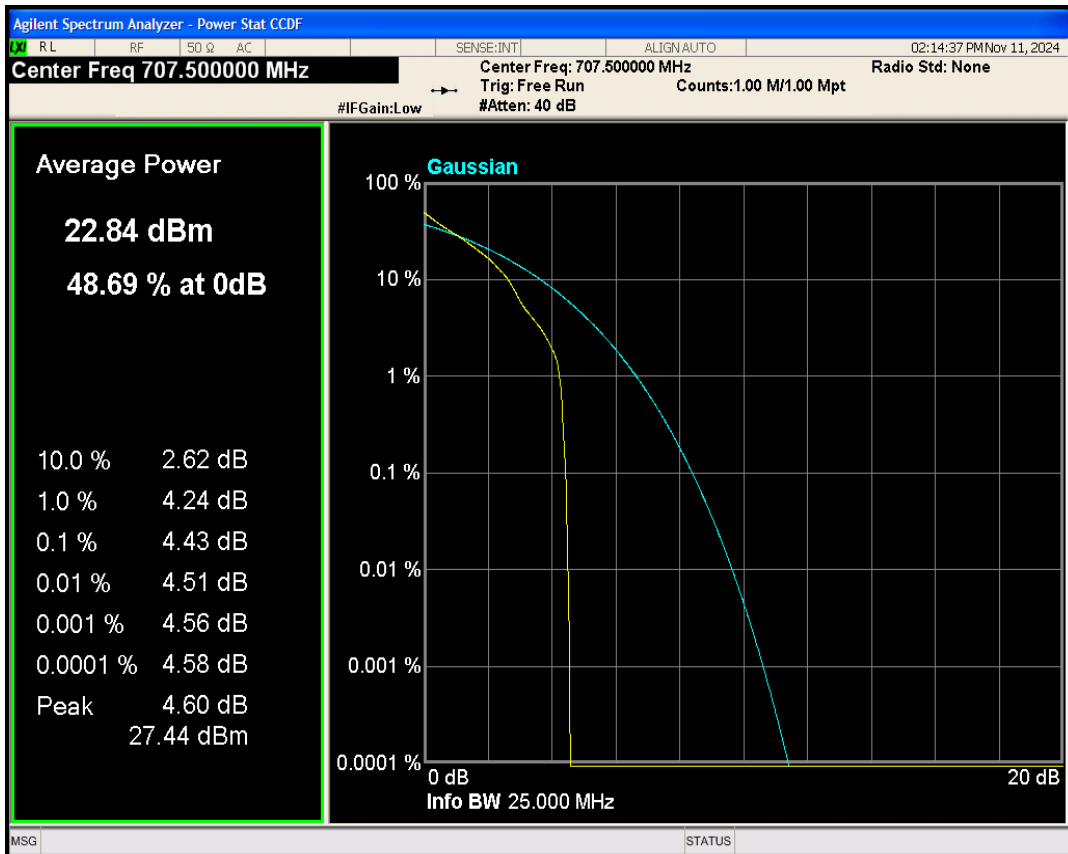
Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



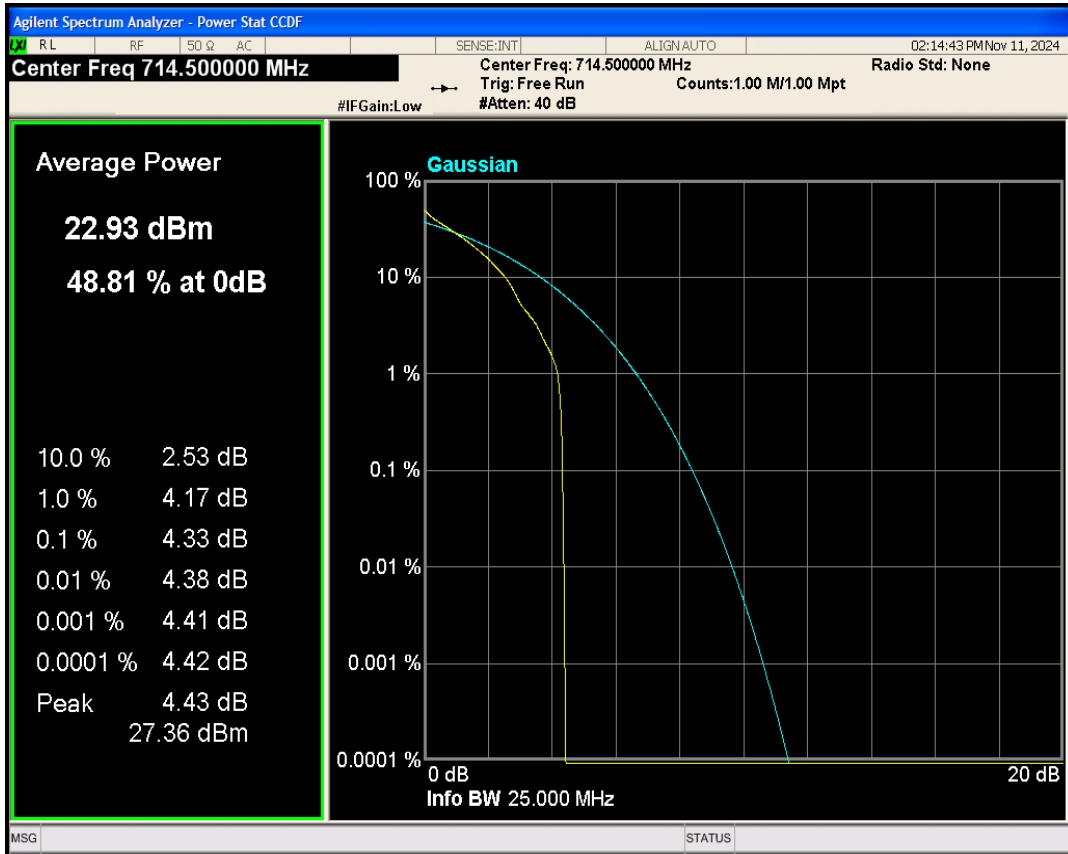
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



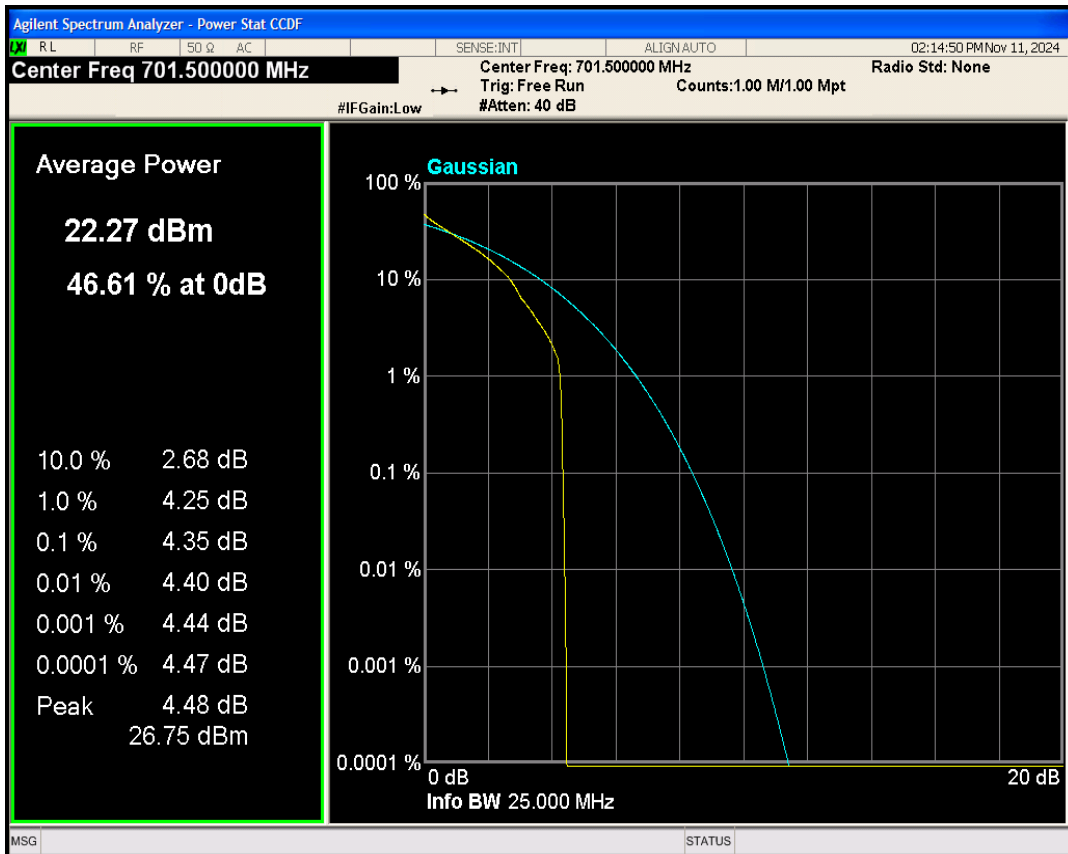
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



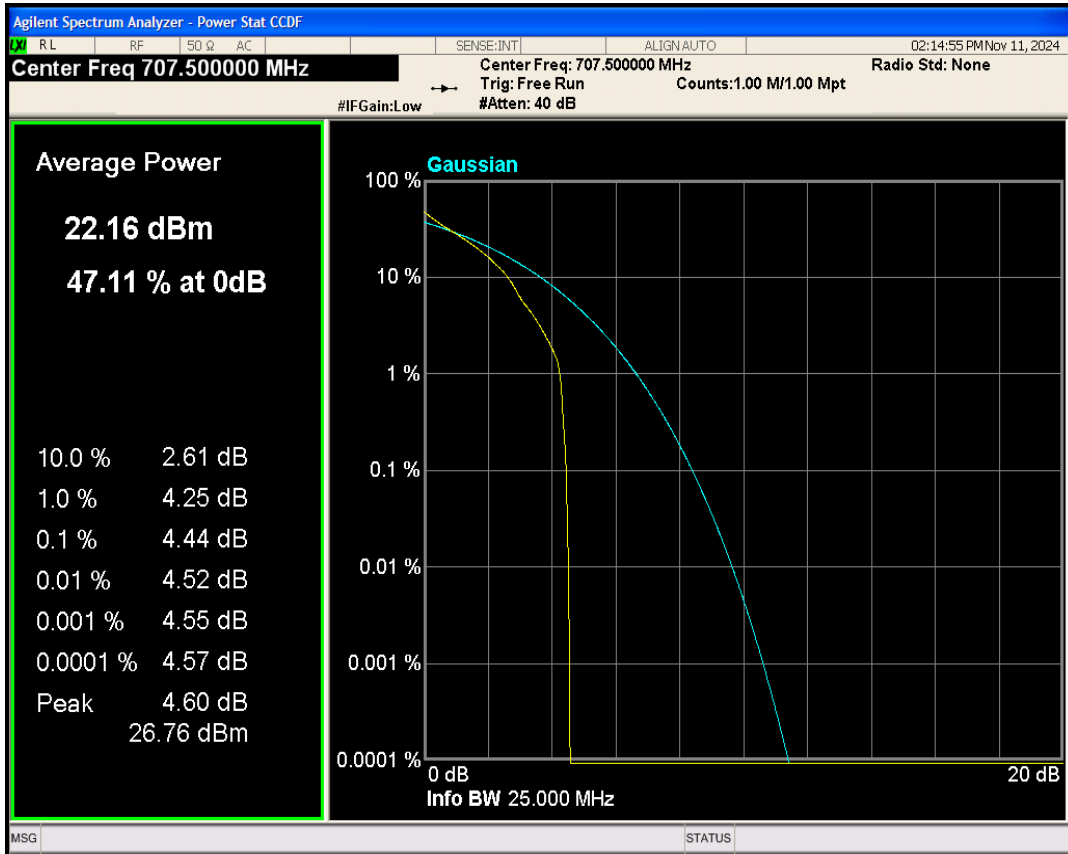
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



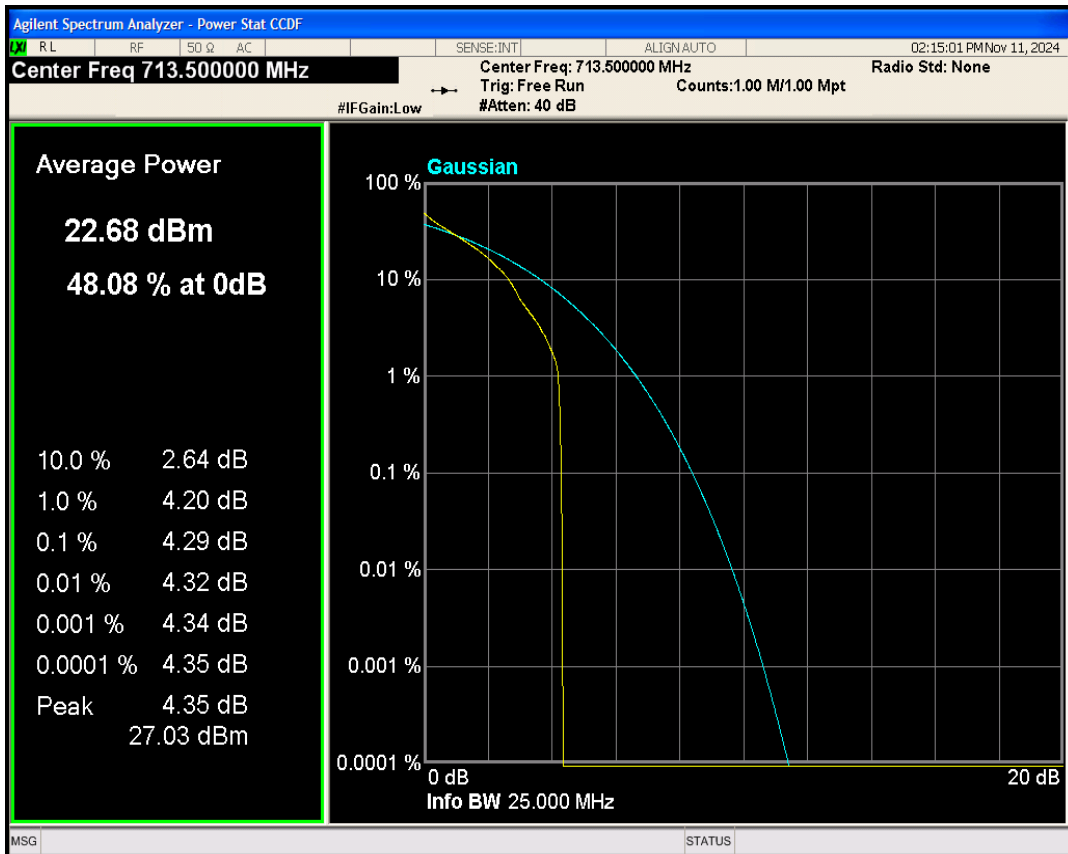
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



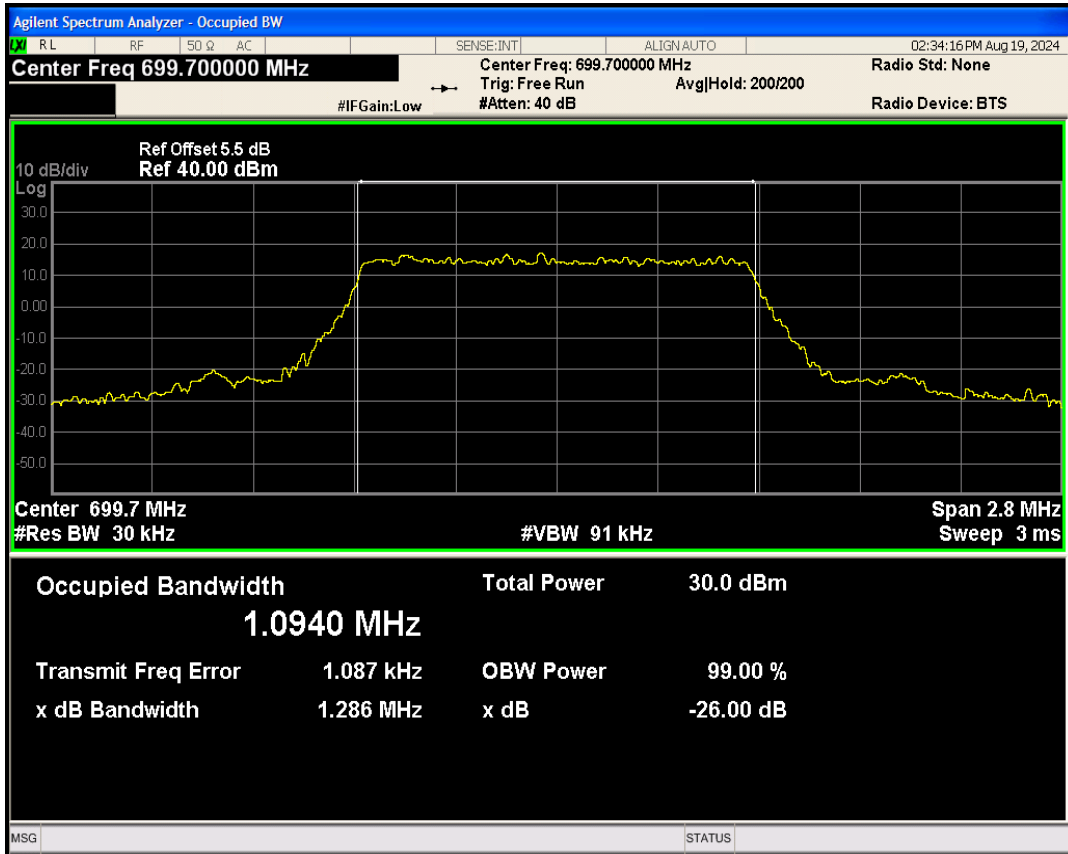
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



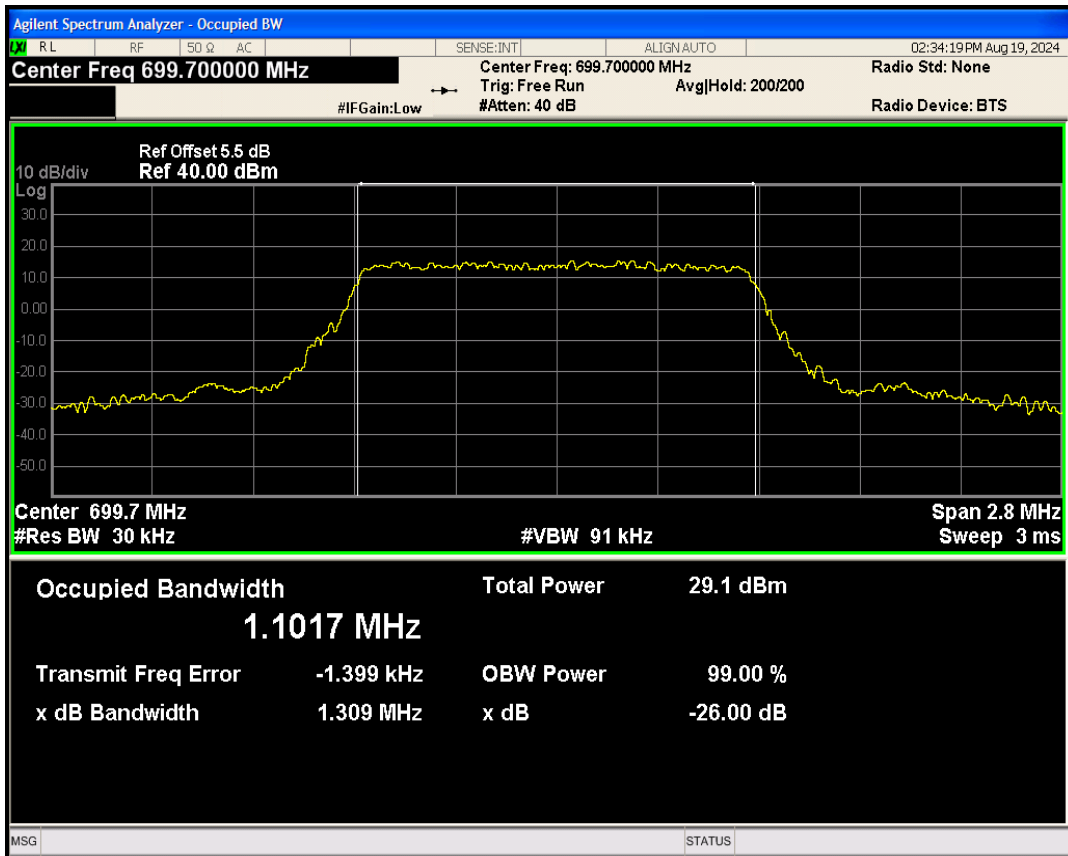
## Appendix 4. Occupied bandwidth

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 1.094         | 1.286           | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 1.102         | 1.309           | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 1.090         | 1.287           | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | 16QAM      | 1.101         | 1.266           | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 1.094         | 1.291           | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | 16QAM      | 1.099         | 1.284           | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 2.696         | 3.004           | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | 16QAM      | 2.690         | 2.989           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QPSK       | 2.692         | 2.964           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | 16QAM      | 2.686         | 2.977           | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 2.705         | 2.968           | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | 16QAM      | 2.694         | 2.989           | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 4.524         | 5.012           | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | 16QAM      | 4.516         | 4.968           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QPSK       | 4.487         | 4.901           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | 16QAM      | 4.488         | 4.964           | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 4.501         | 4.887           | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | 16QAM      | 4.538         | 4.992           | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 8.986         | 9.708           | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | 16QAM      | 9.006         | 9.703           | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QPSK       | 8.930         | 9.798           | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | 16QAM      | 8.868         | 9.708           | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 8.983         | 9.807           | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | 16QAM      | 9.005         | 9.753           | PASS    |

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

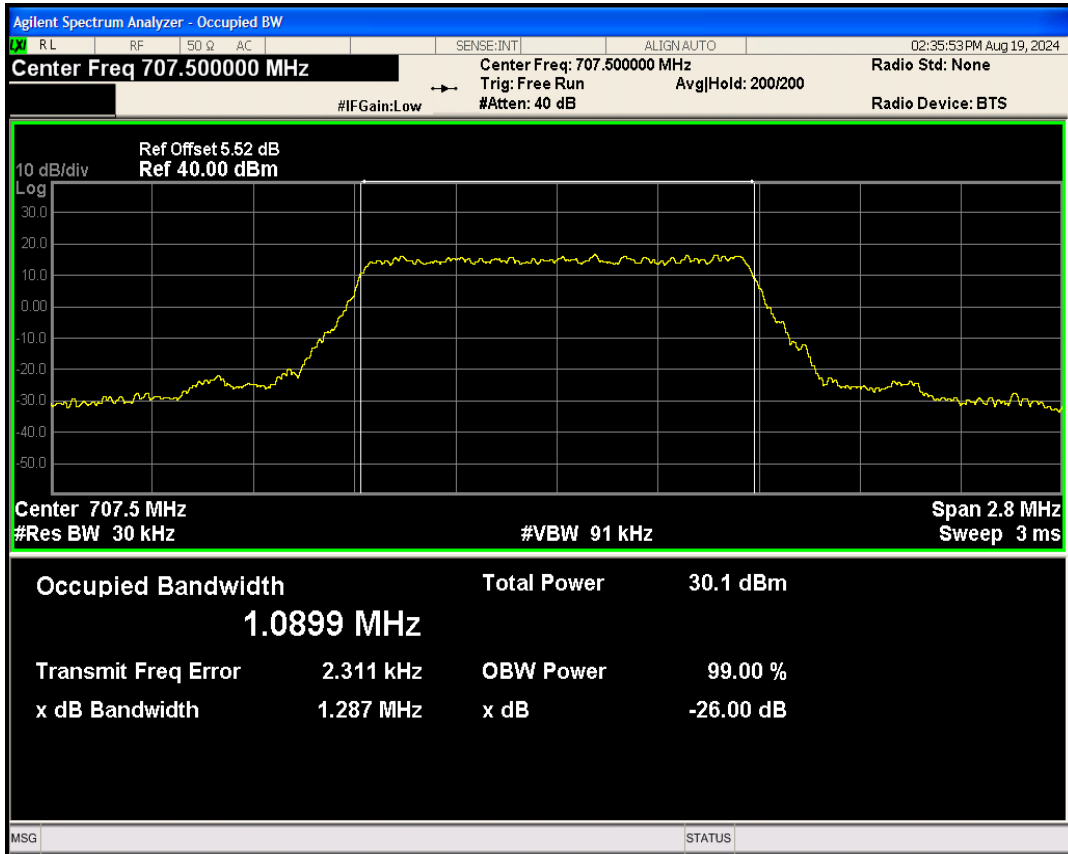


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0

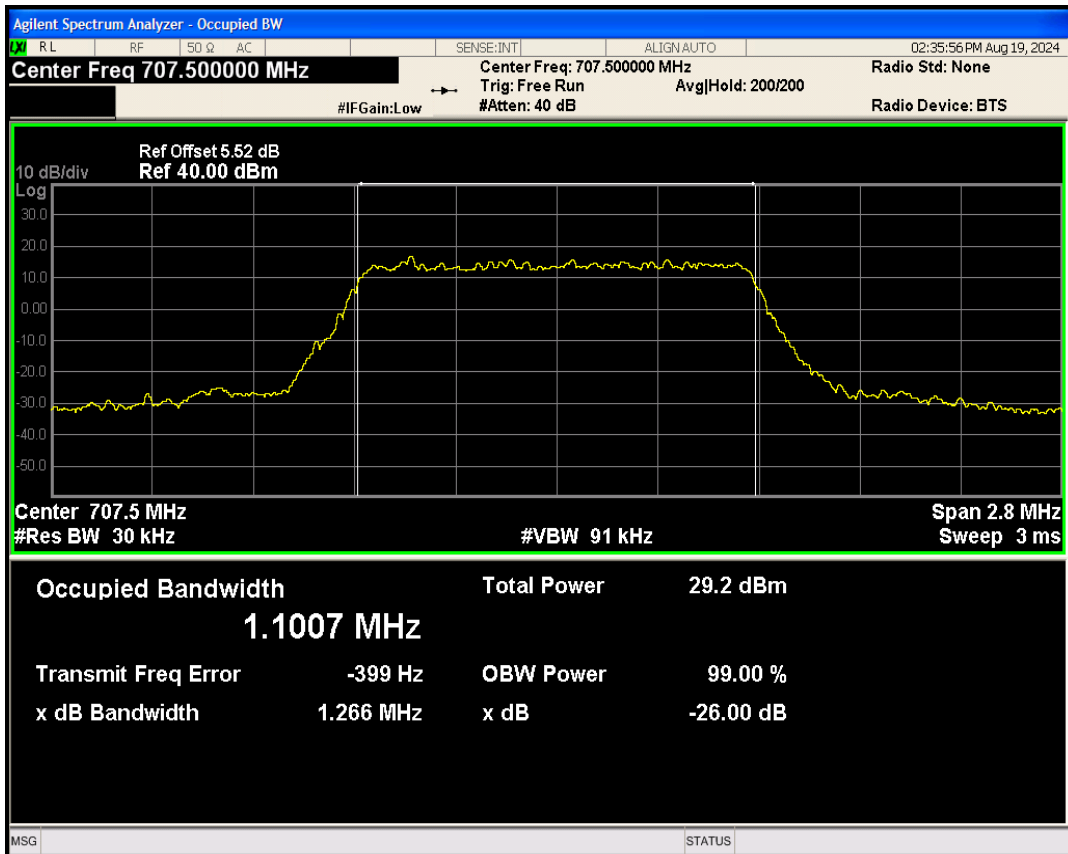


Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0

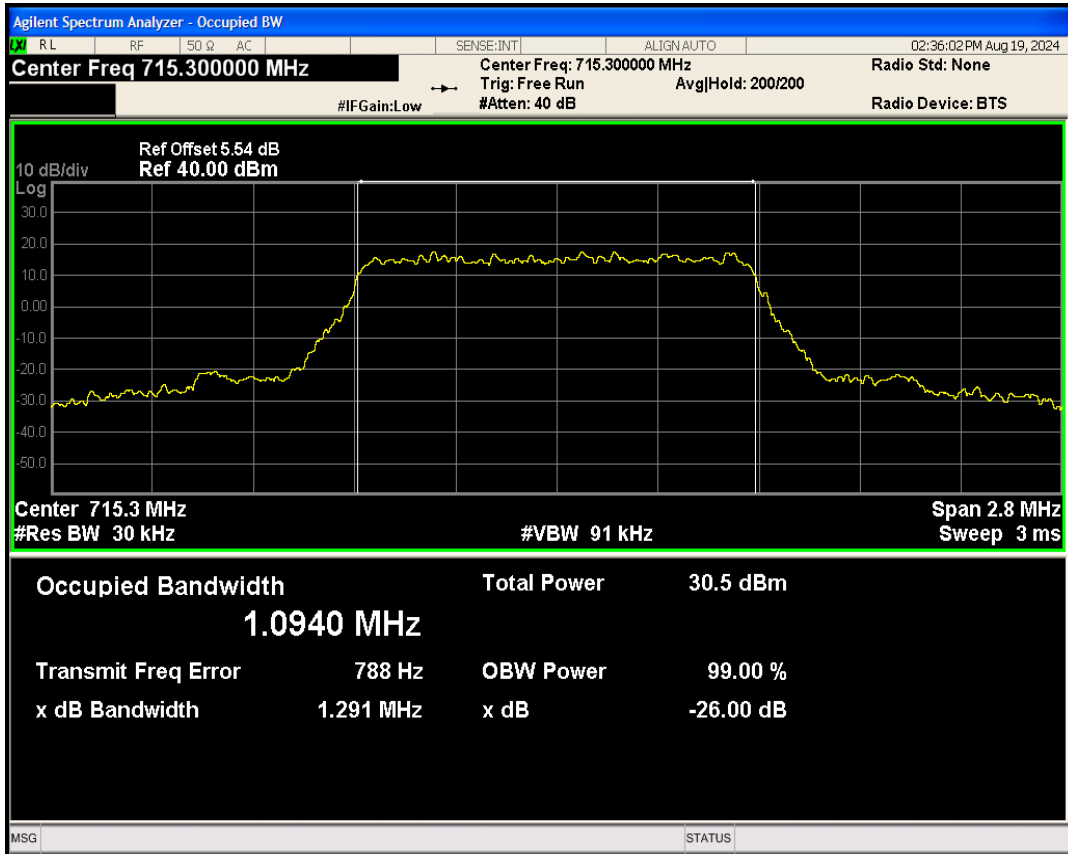




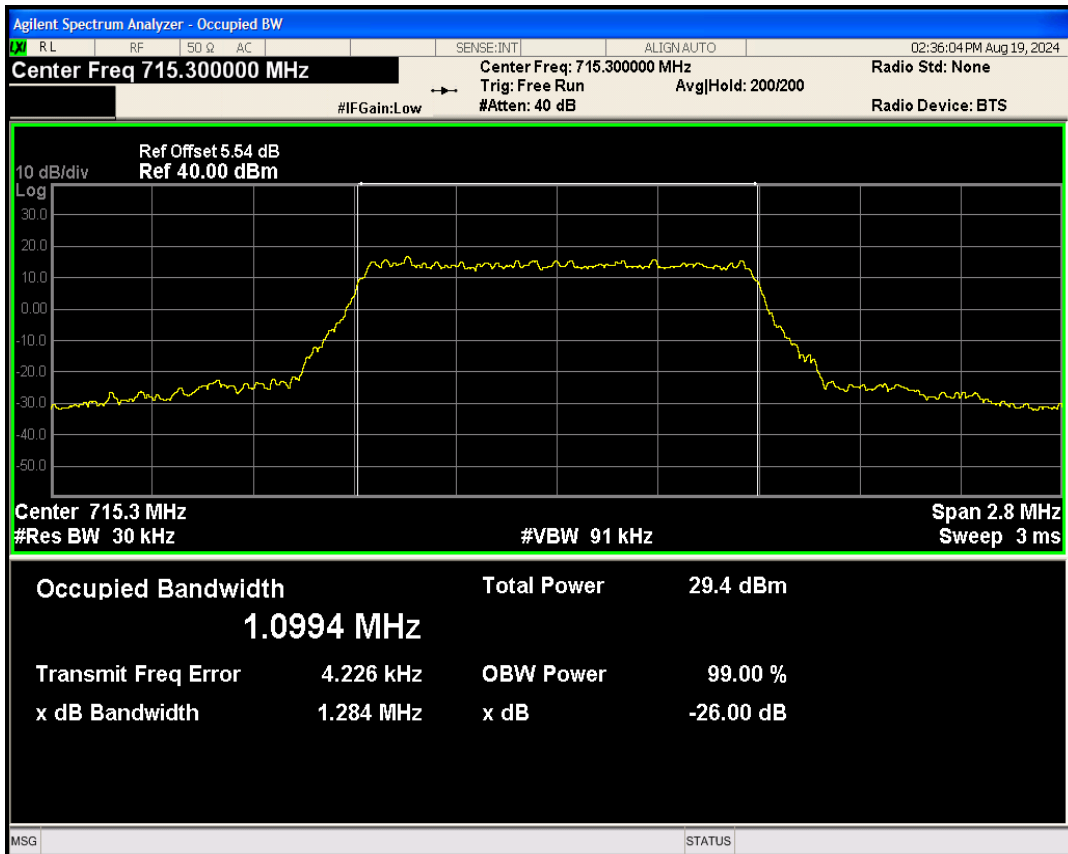
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



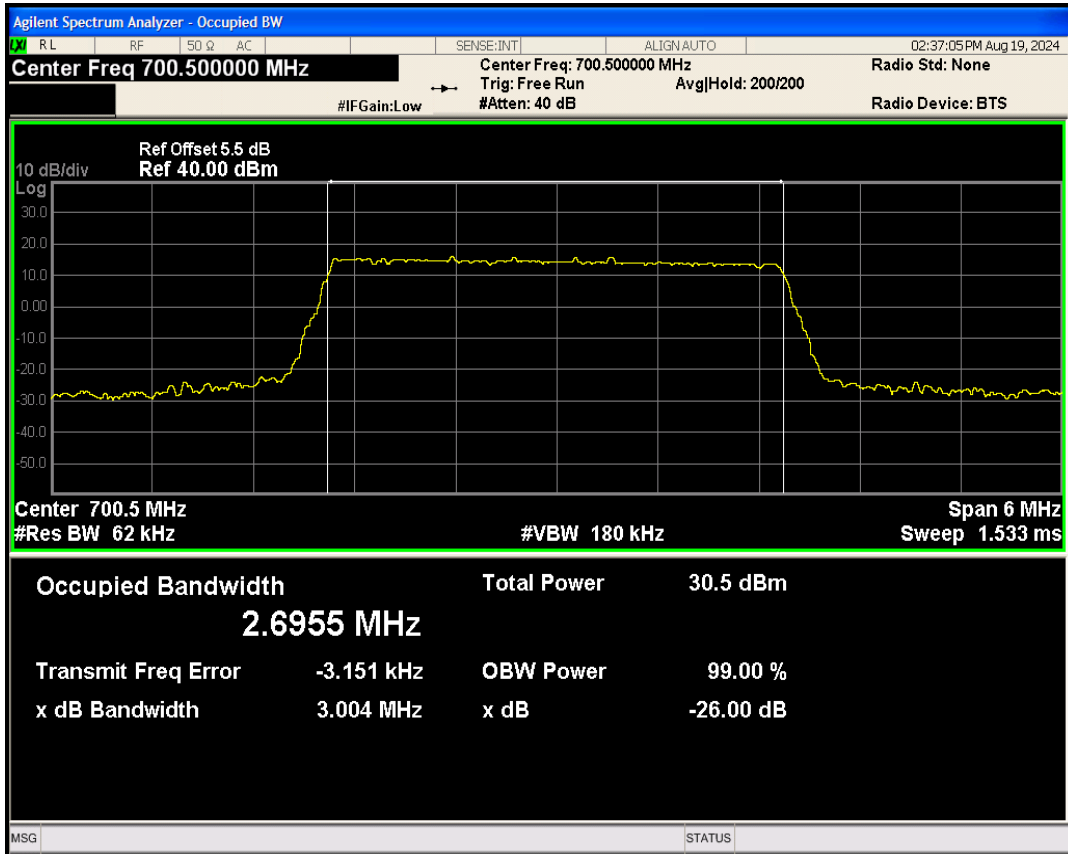
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



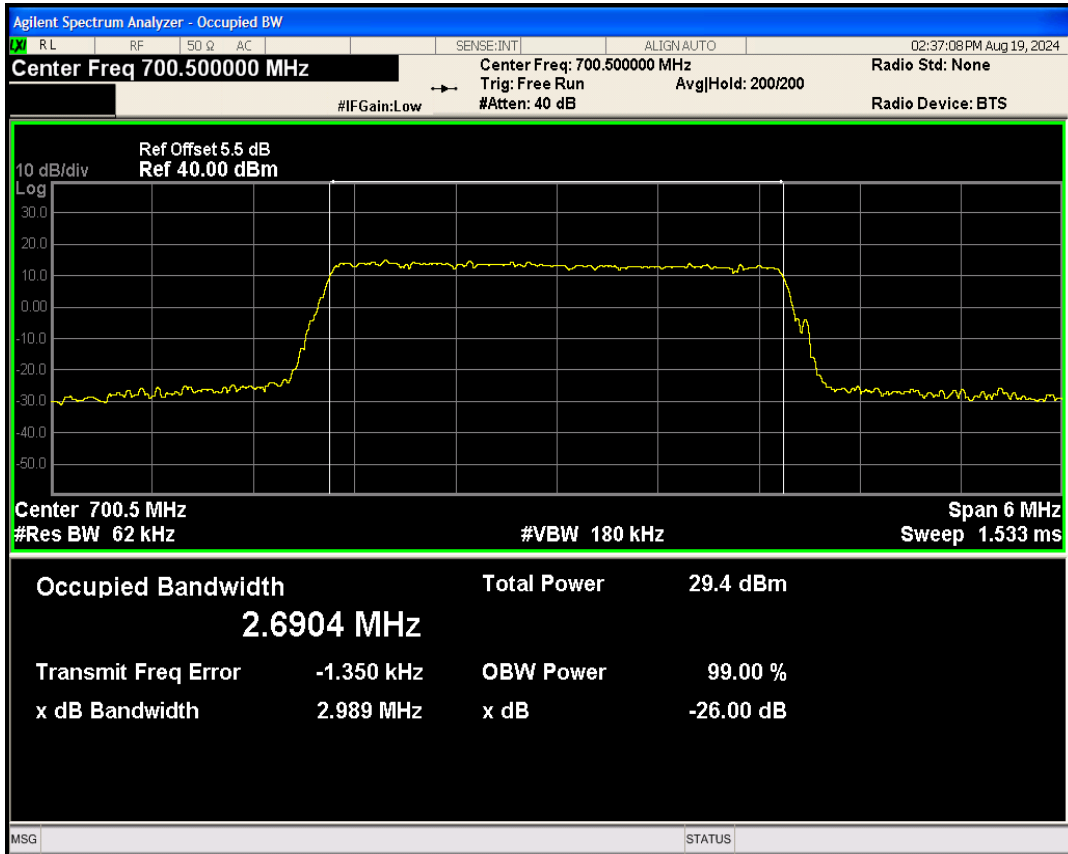
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



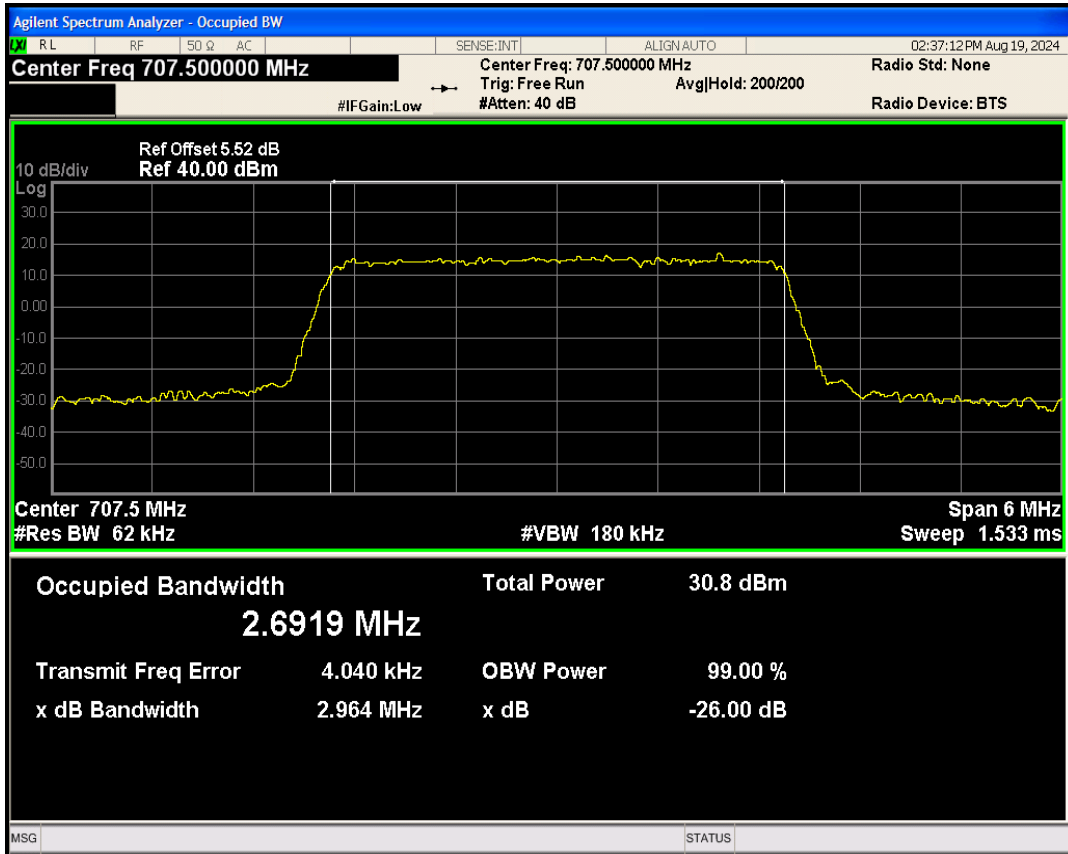
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



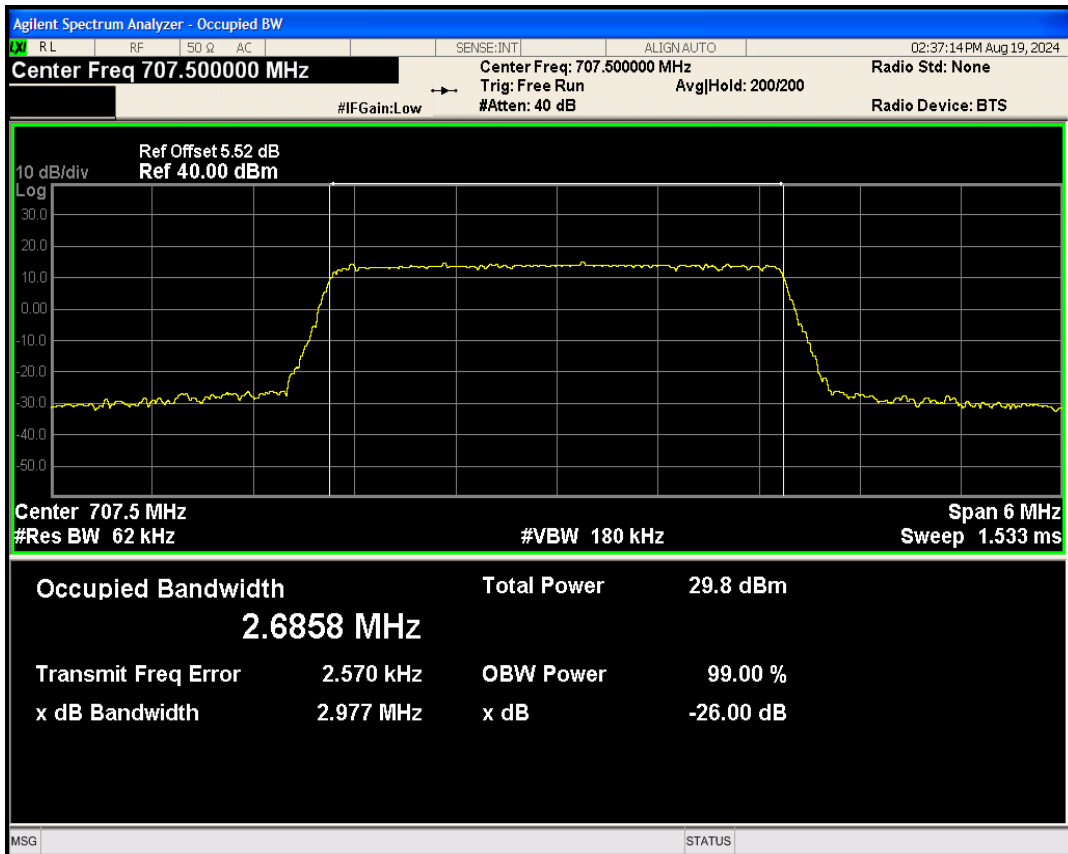
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



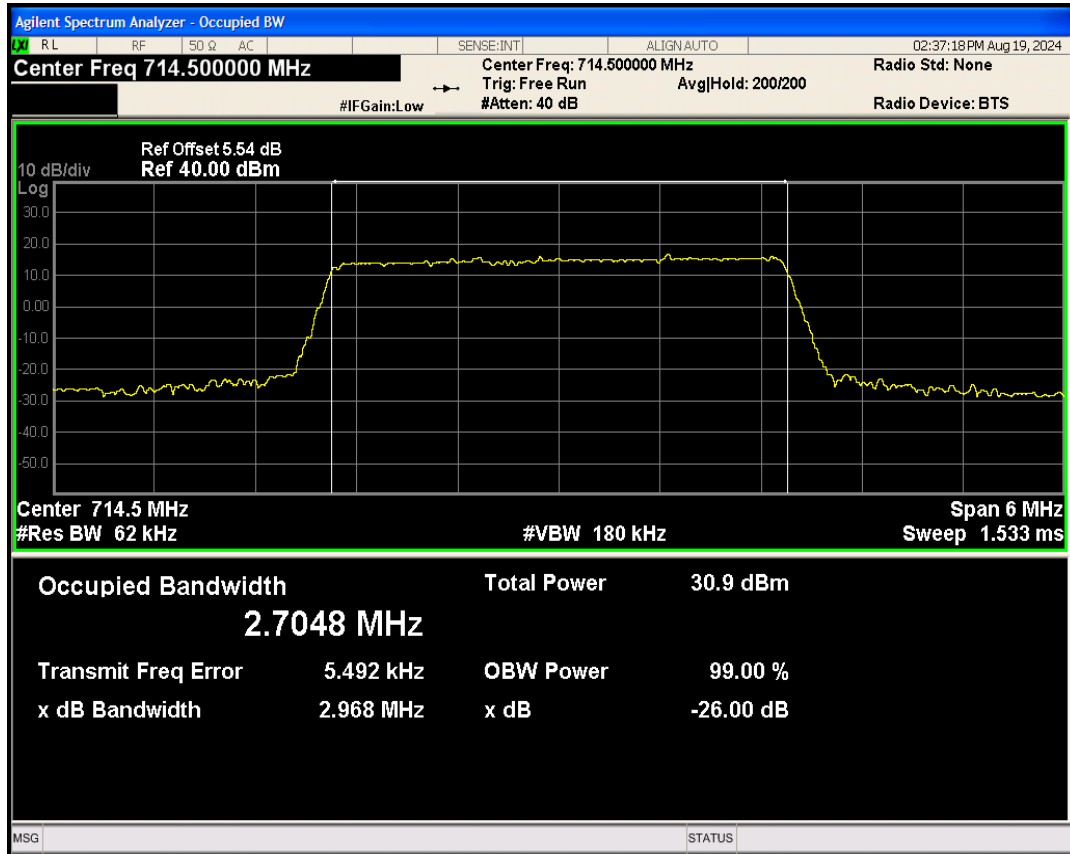
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



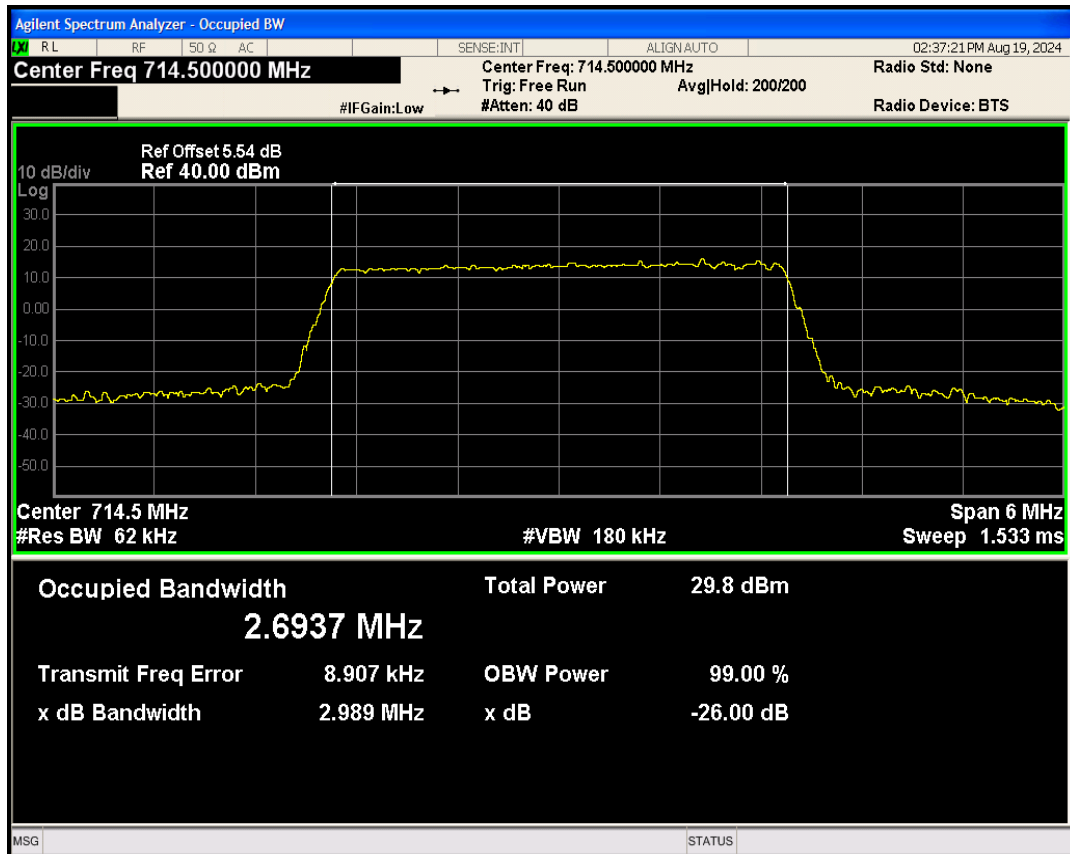
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



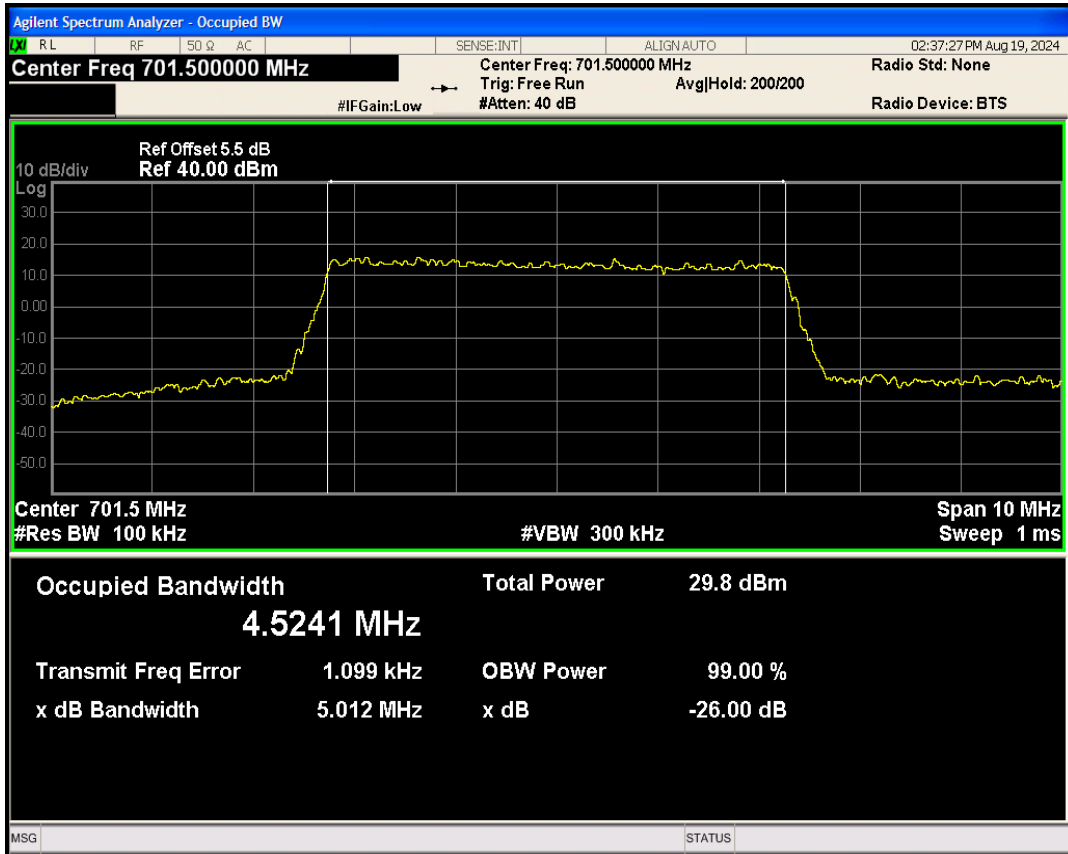
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



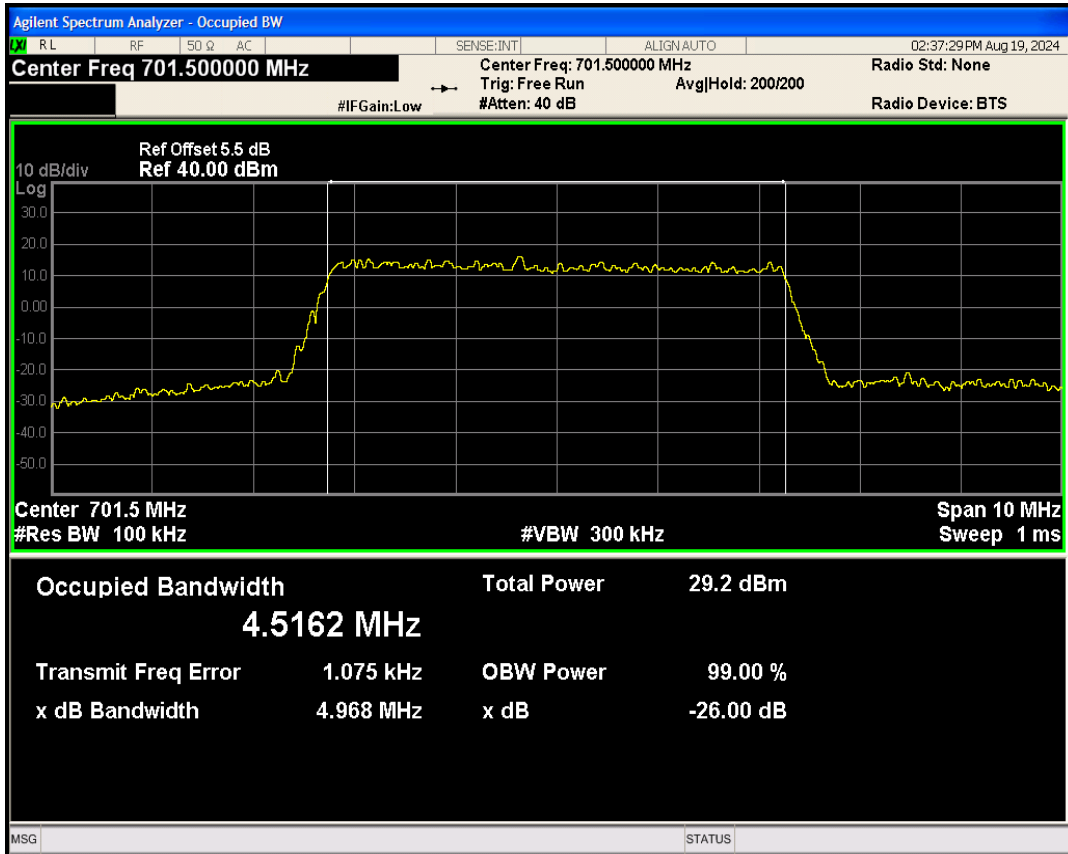
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



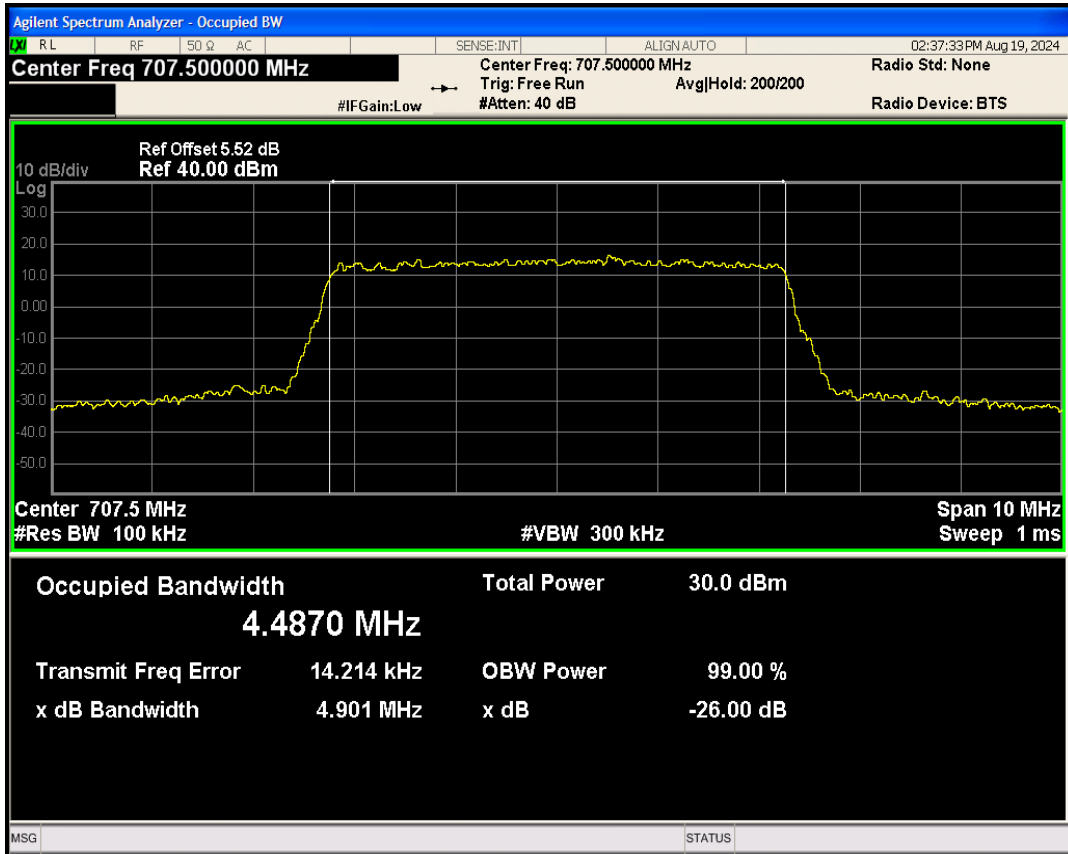
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



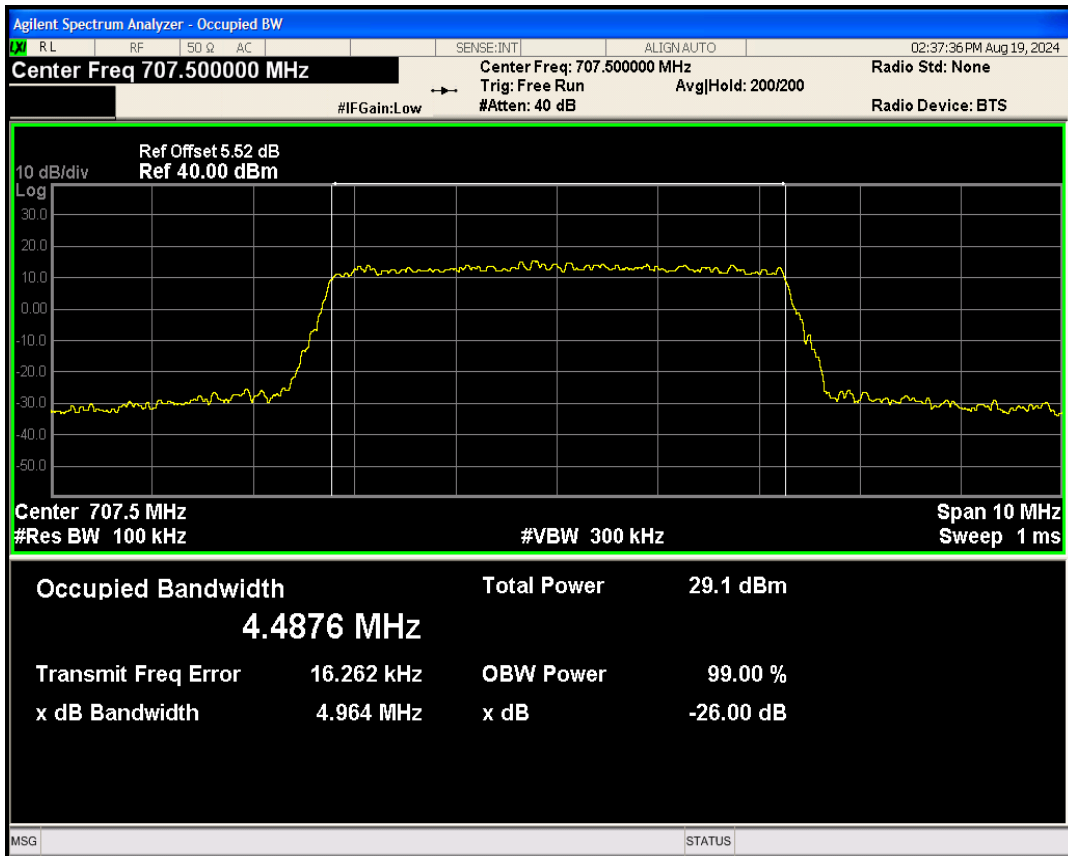
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



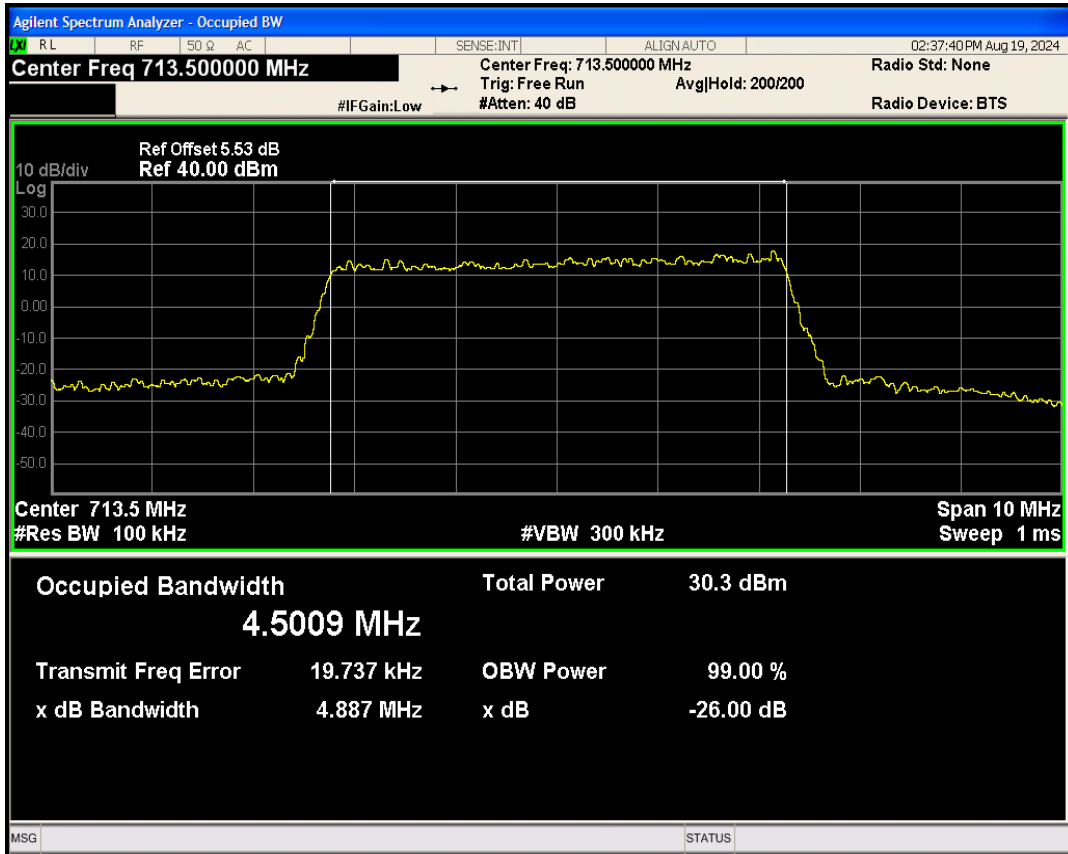
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



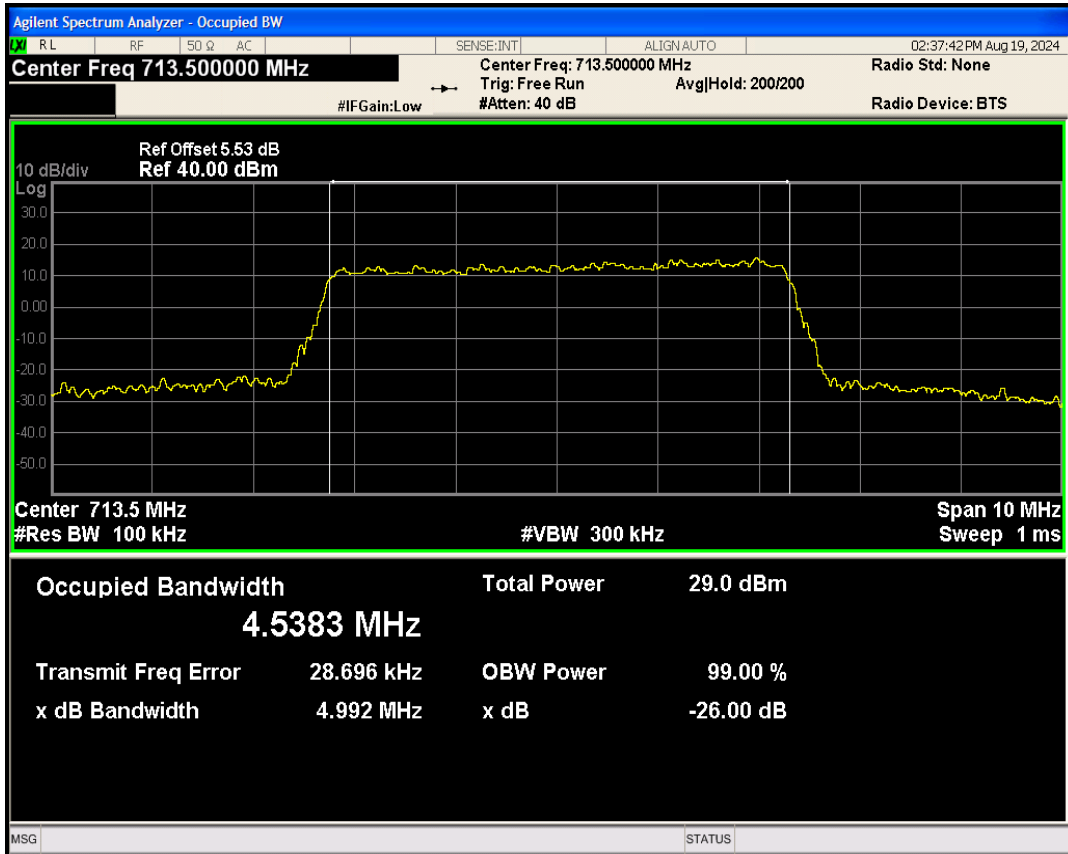
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



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

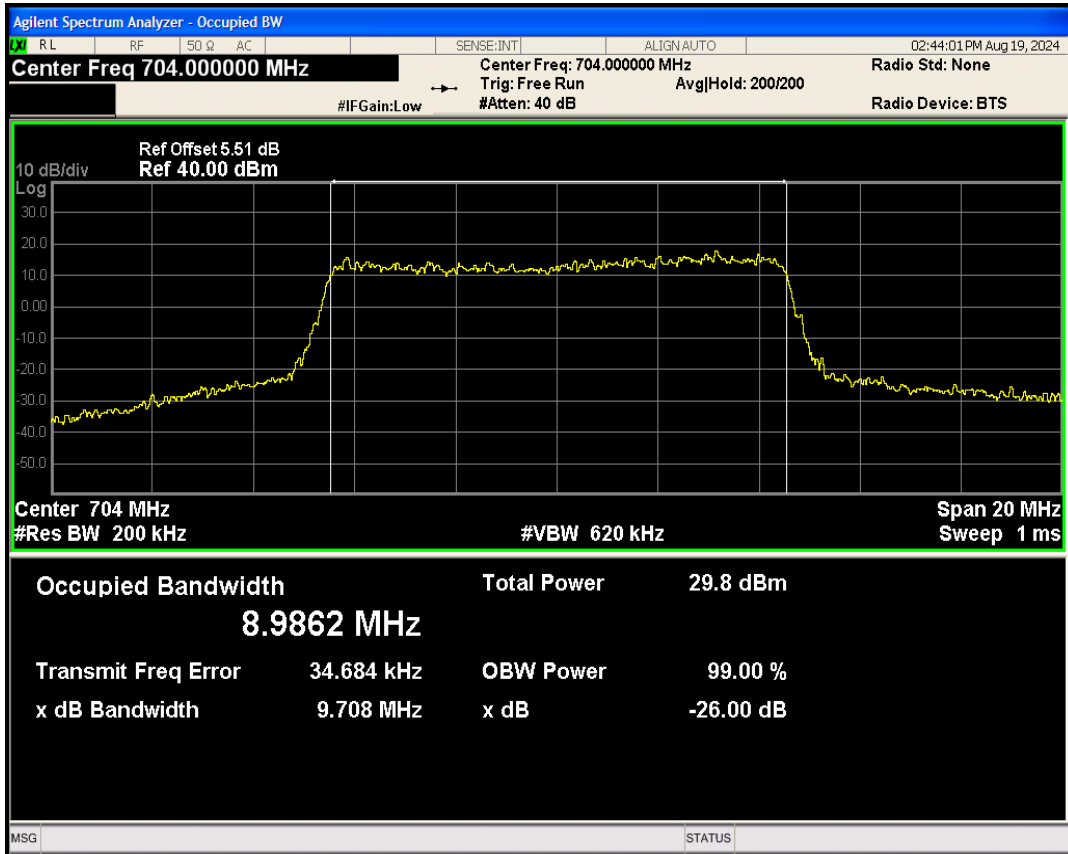


Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

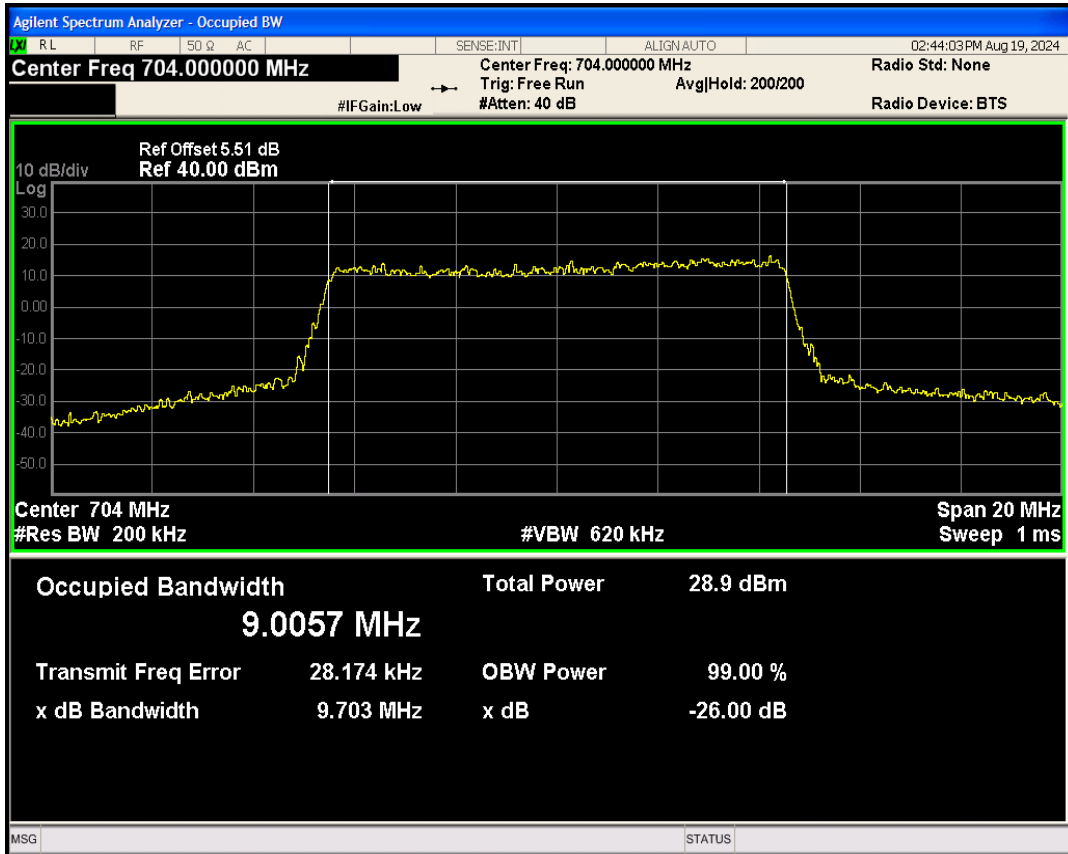


Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0

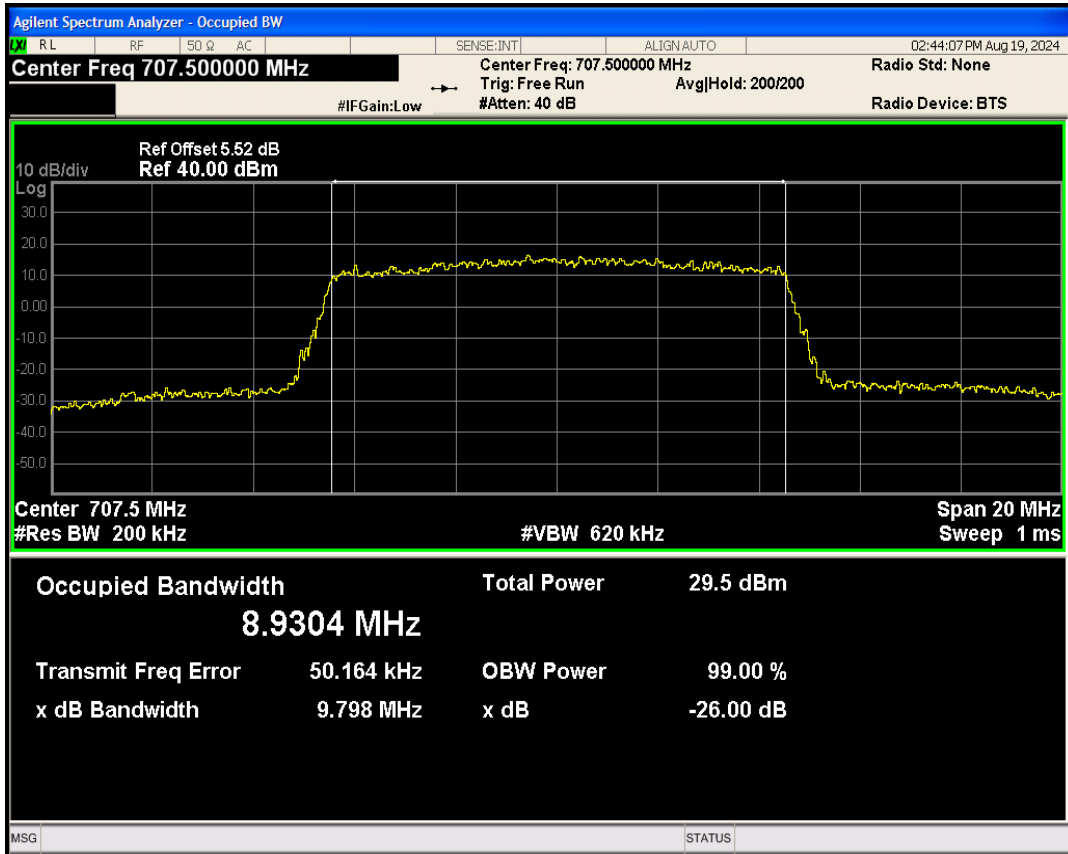




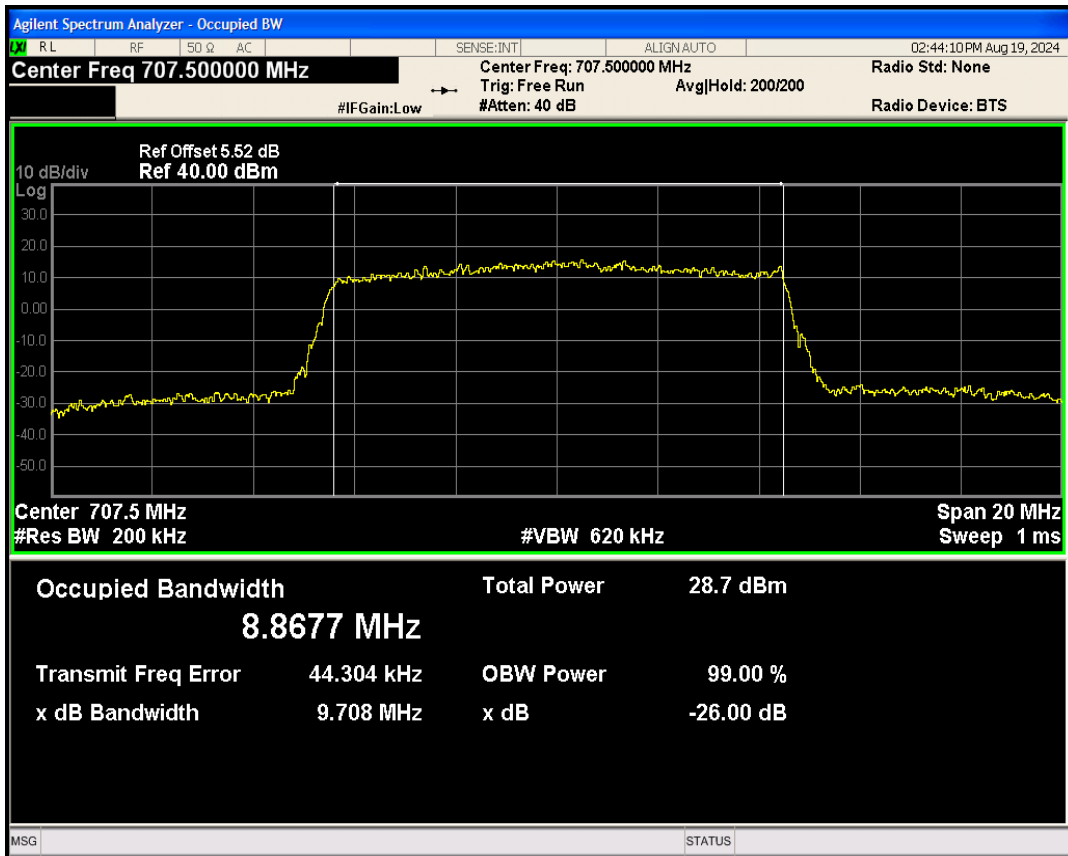
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



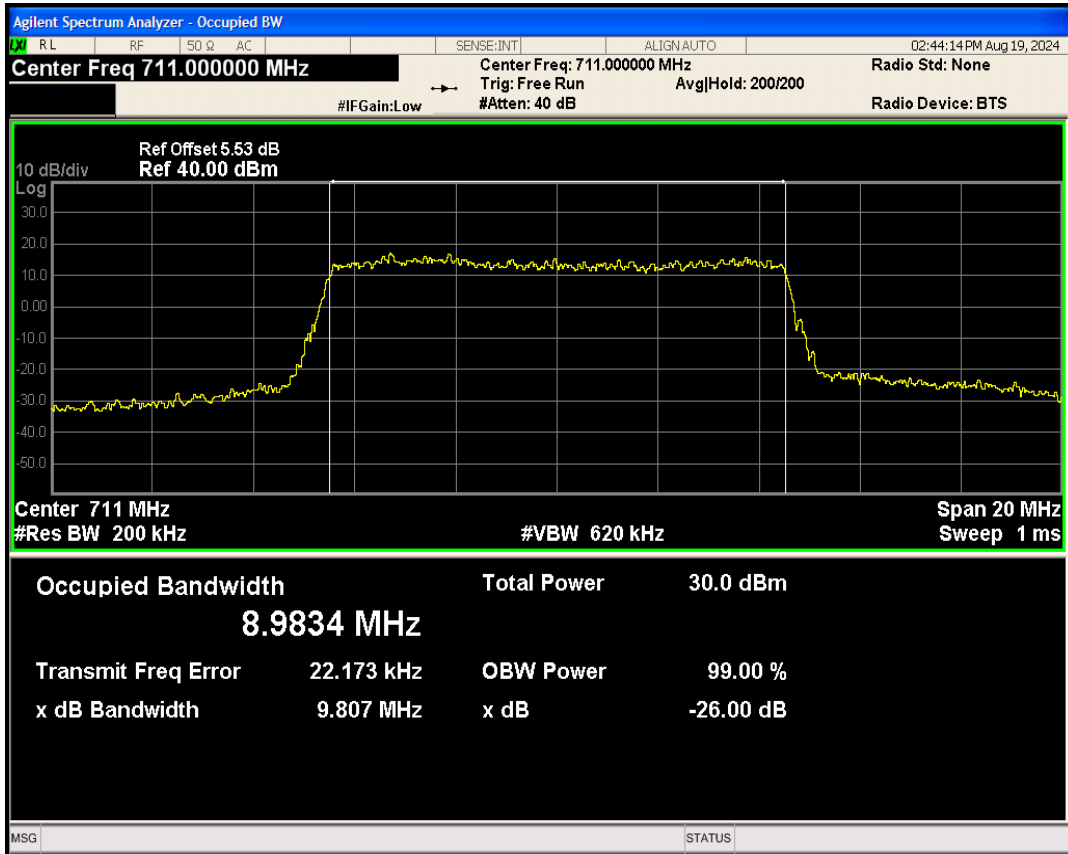
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



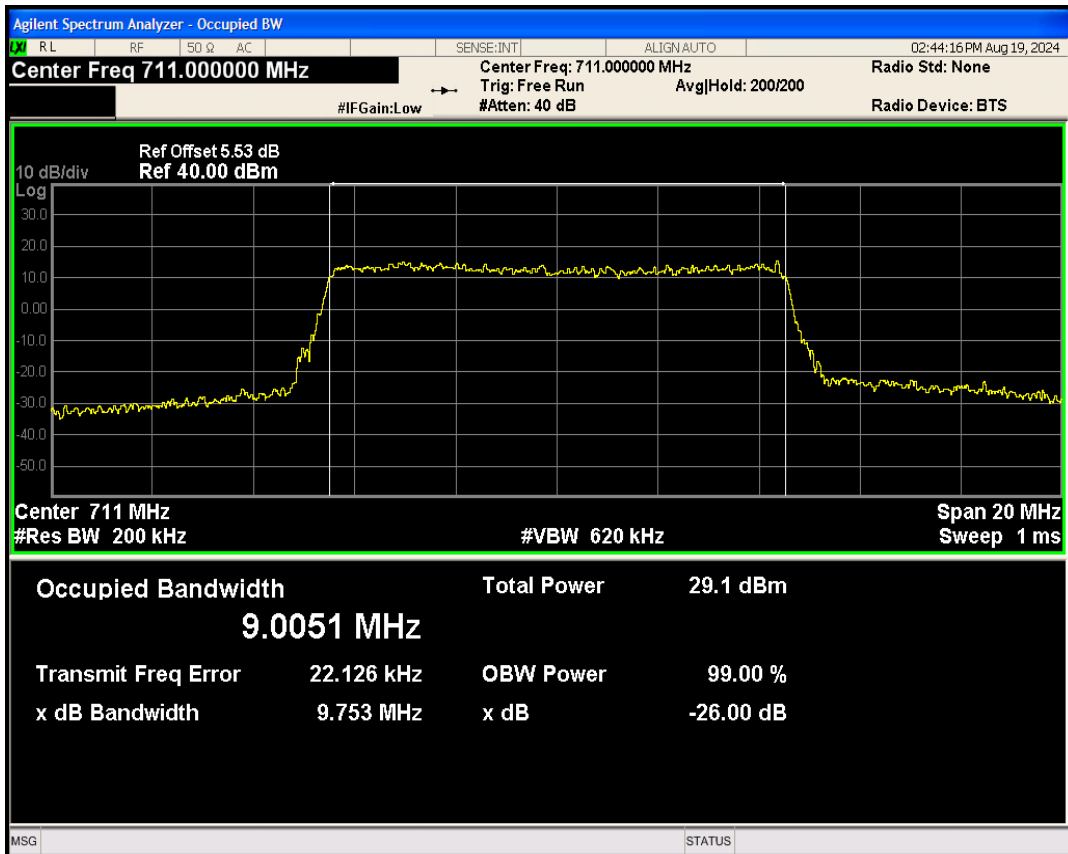
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



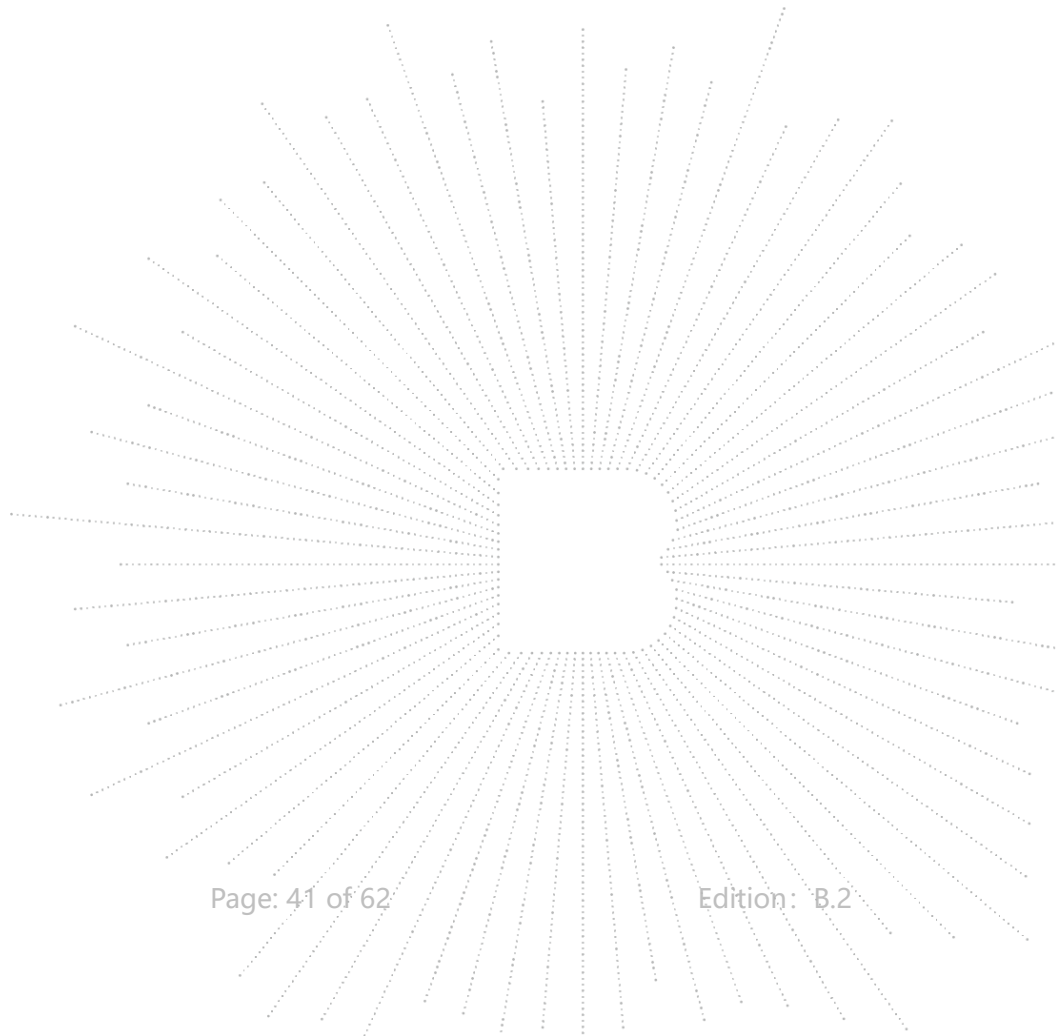
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

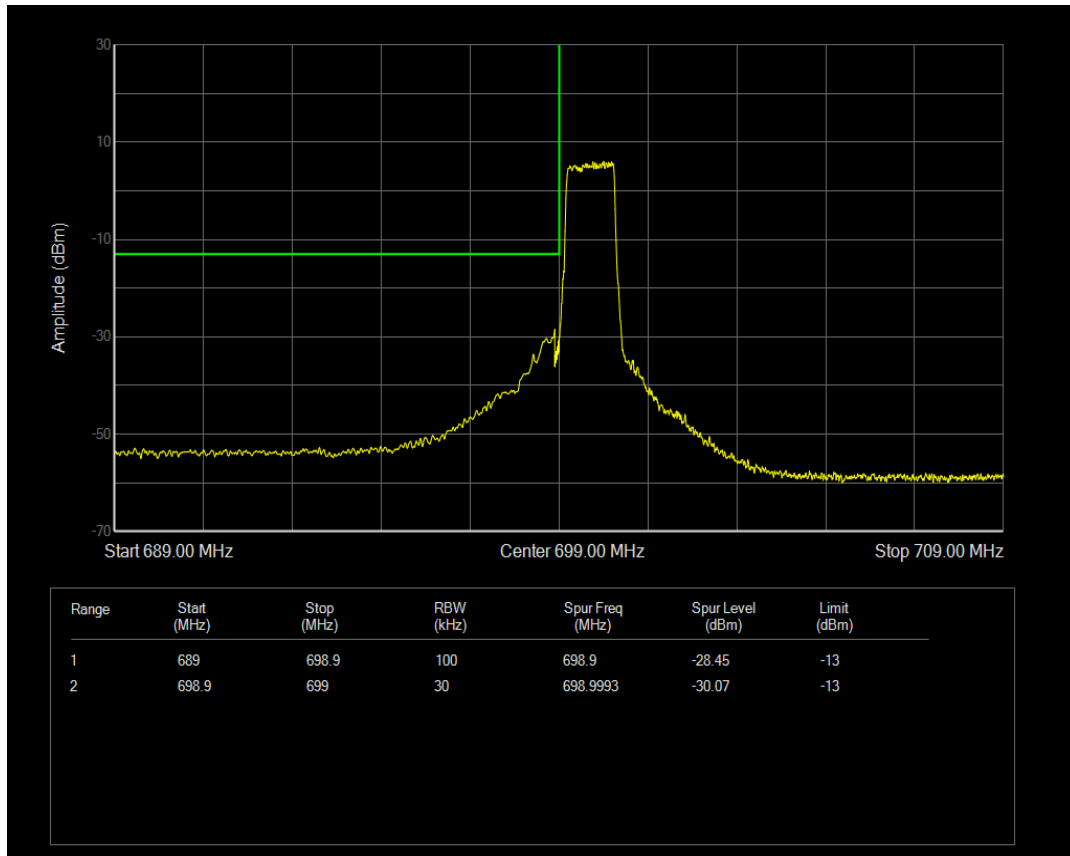


## Appendix 5. Band edge

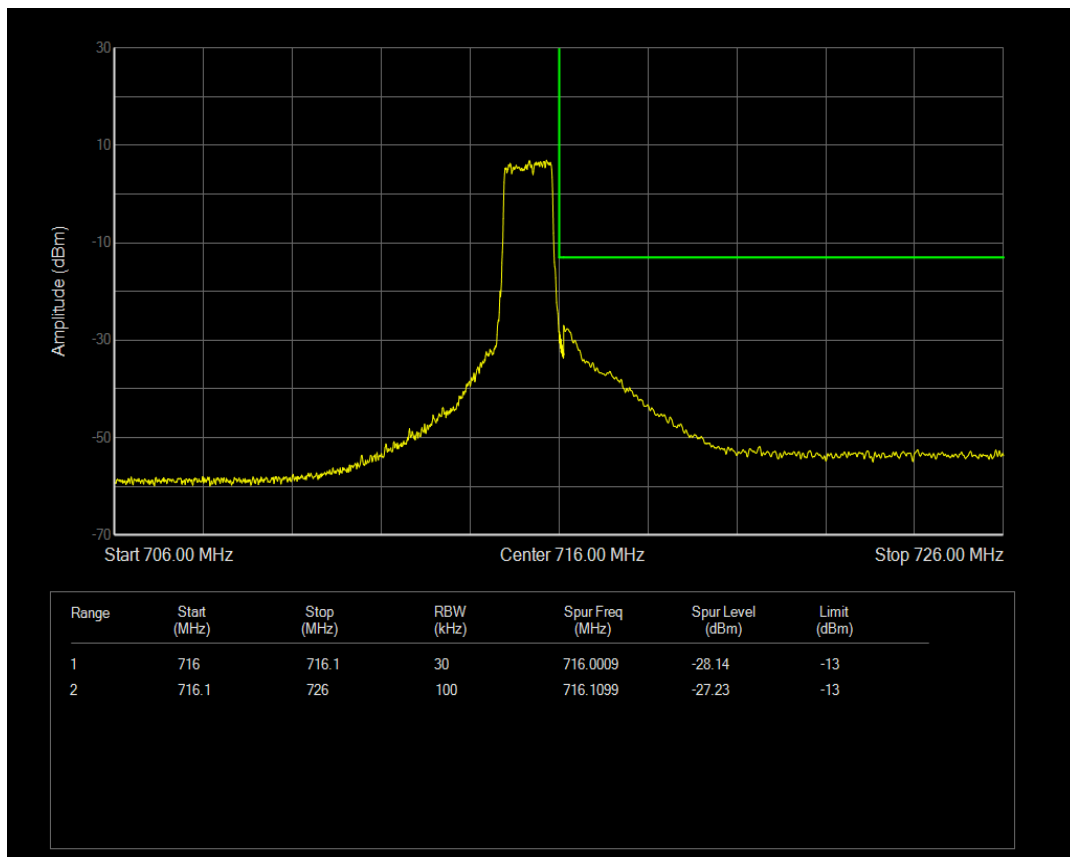
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 698.90          | -27.59           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 698.90          | -28.45           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 716.00          | -26.06           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | 16QAM      | 716.11          | -27.23           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 699.00          | -29.10           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | 16QAM      | 699.00          | -30.27           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 716.00          | -27.59           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | 16QAM      | 716.00          | -28.26           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 699.00          | -31.38           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | 16QAM      | 699.00          | -31.91           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 716.11          | -29.40           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | 16QAM      | 716.00          | -29.61           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 698.90          | -33.13           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | 16QAM      | 698.85          | -35.08           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 716.62          | -32.64           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | 16QAM      | 716.14          | -34.27           | -13         | PASS    |

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

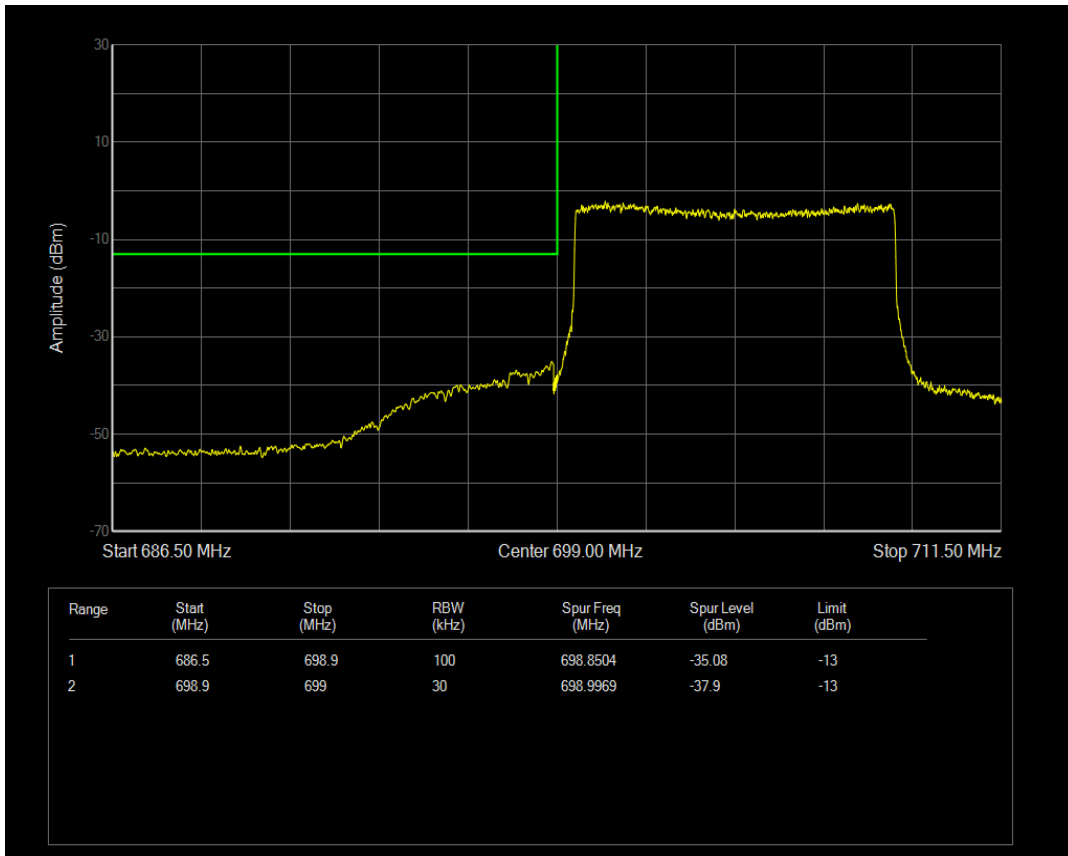




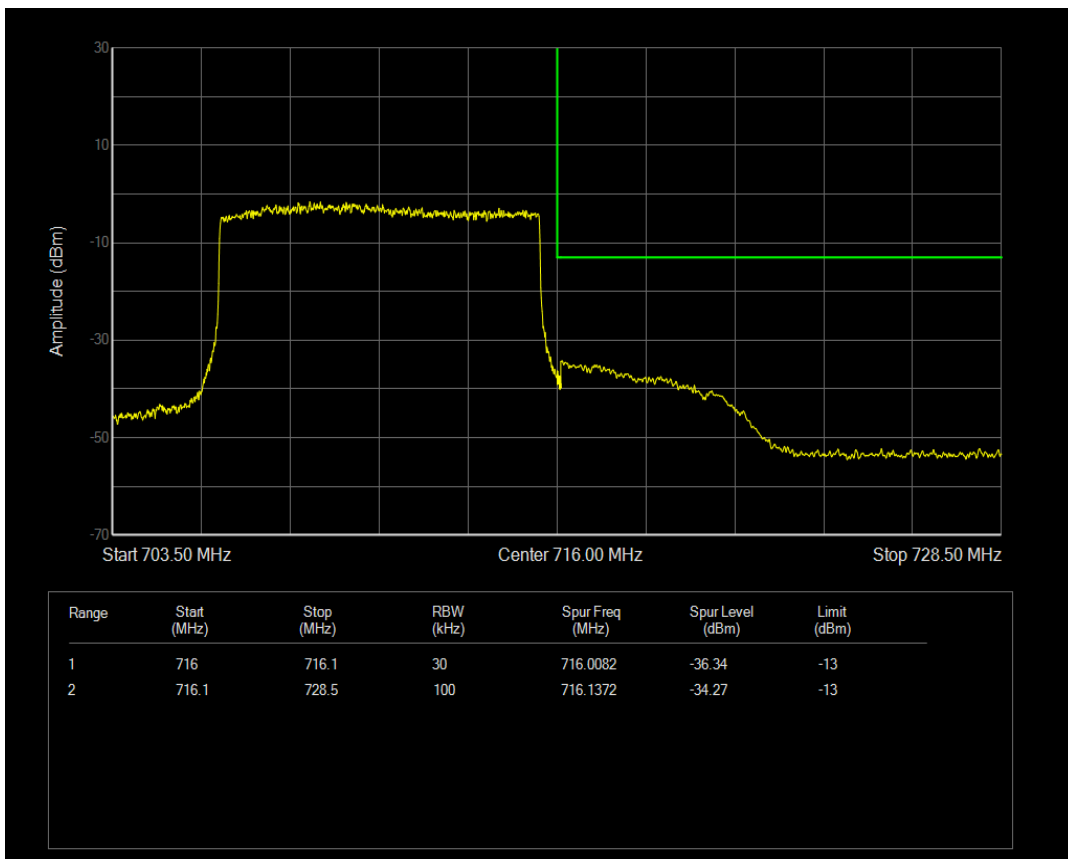
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



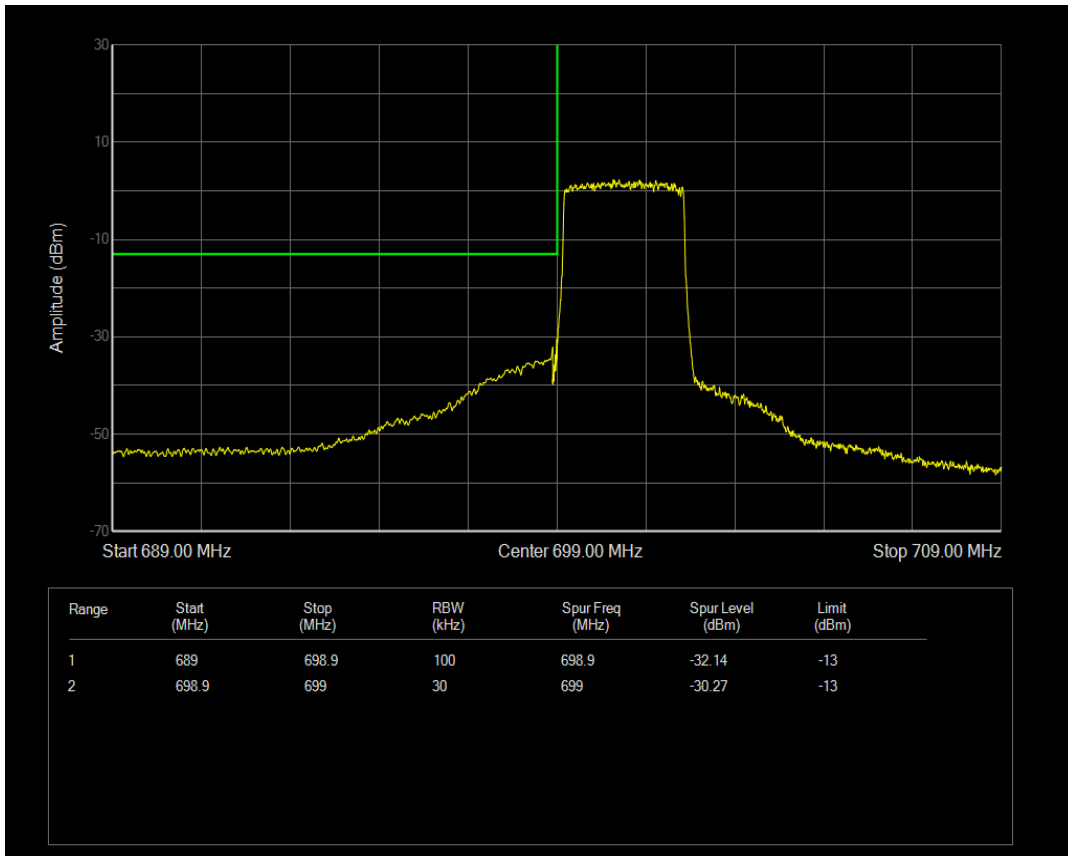
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



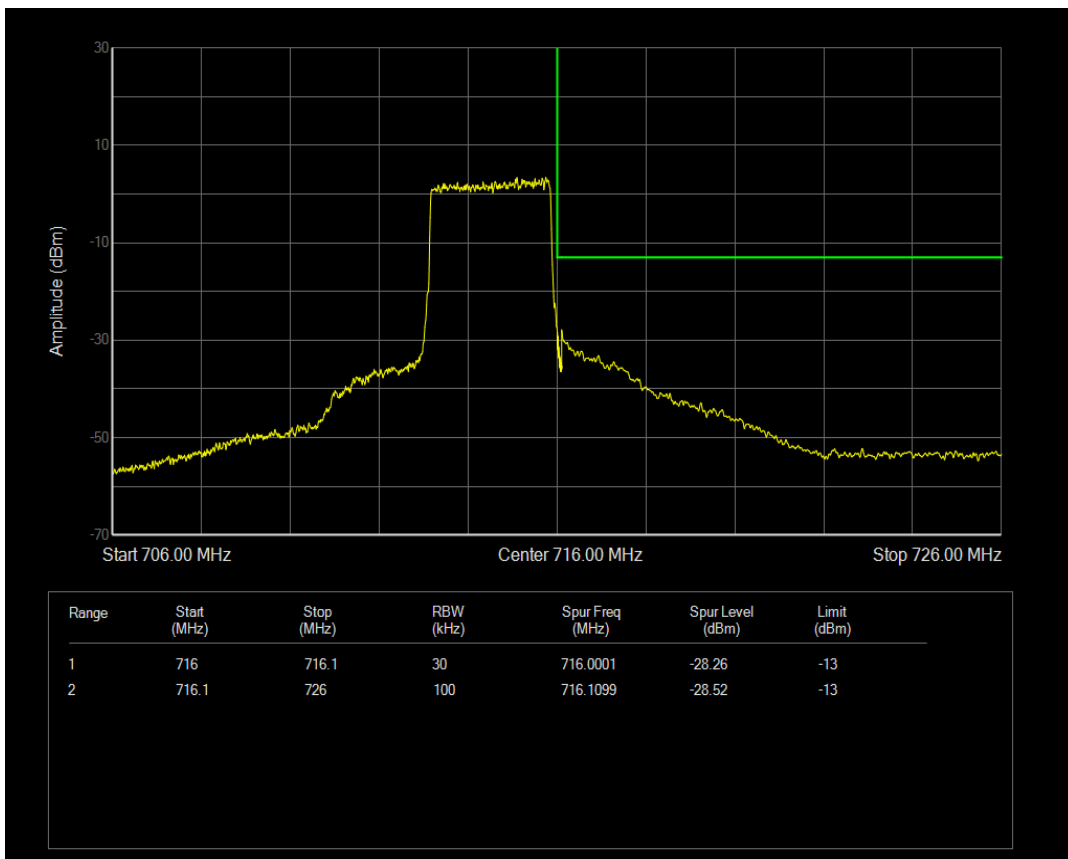
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



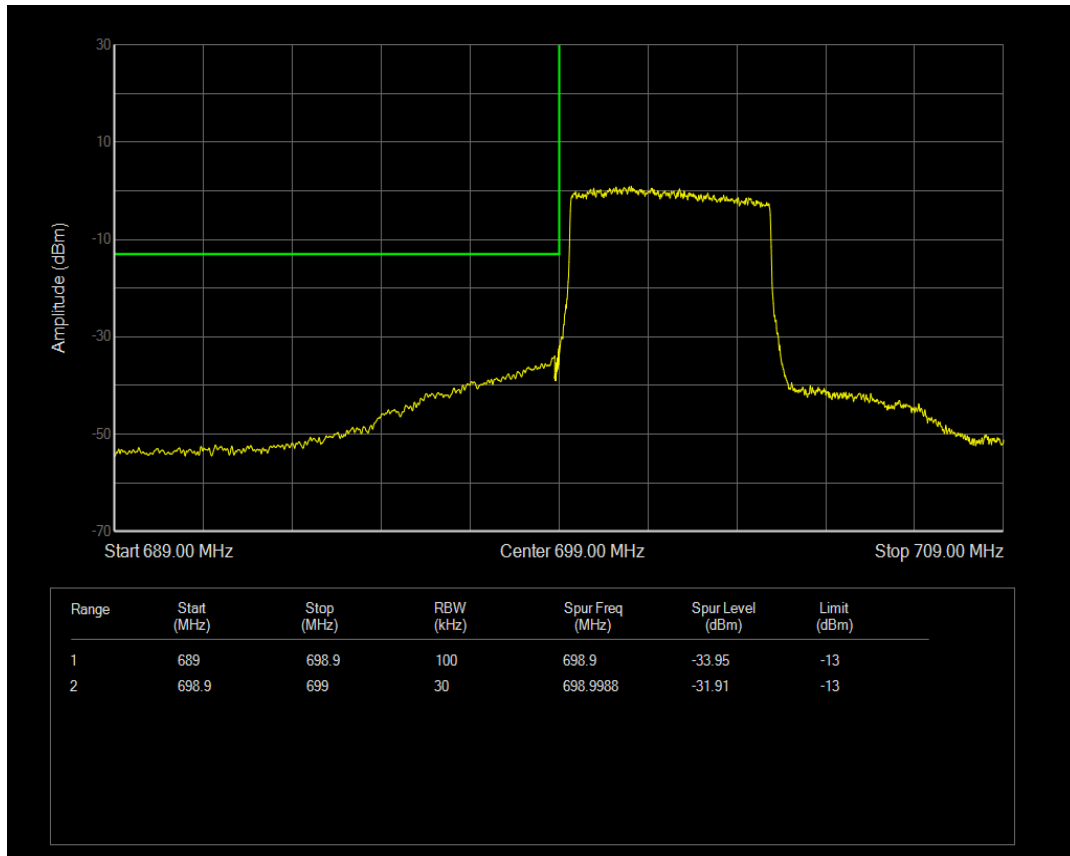
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



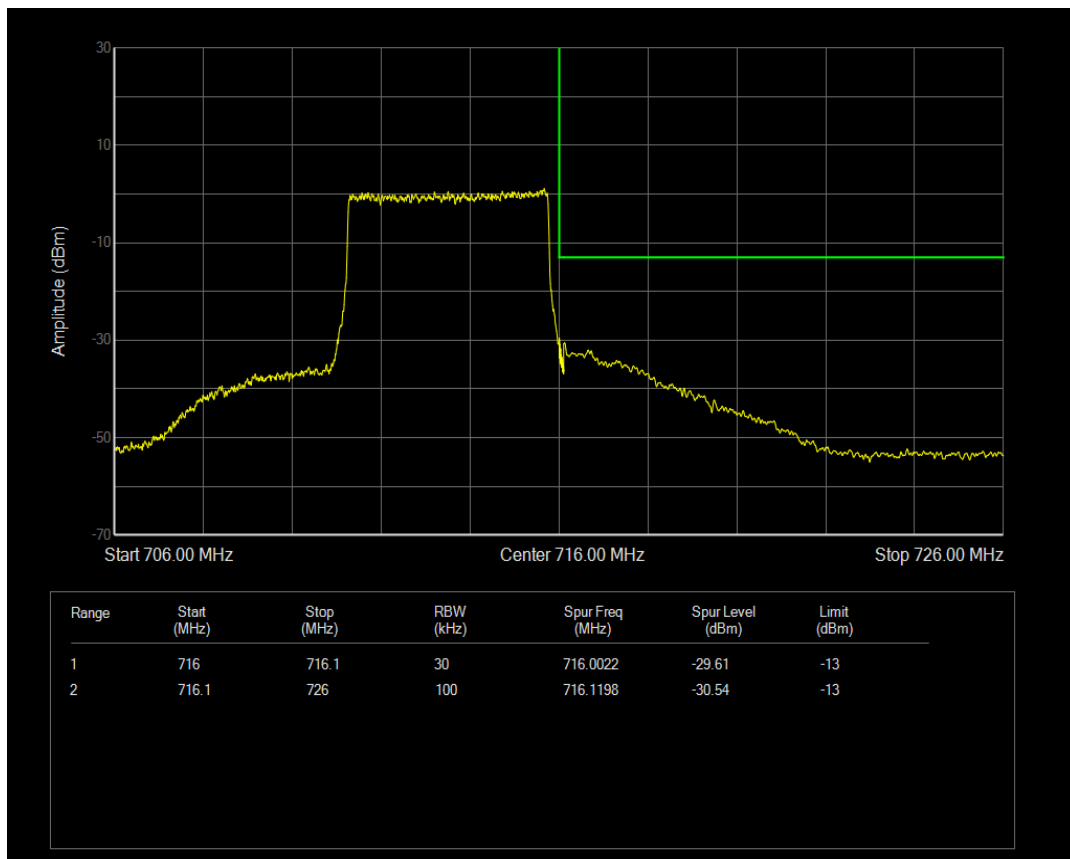
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



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

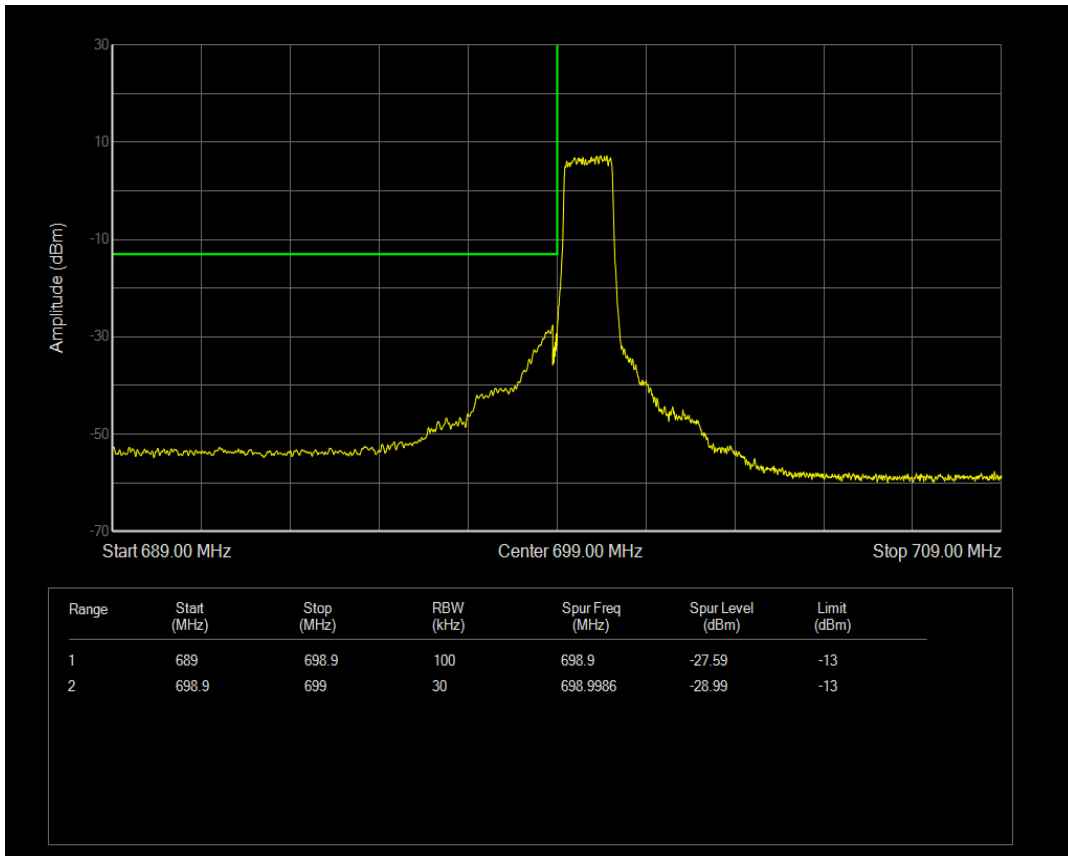


Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

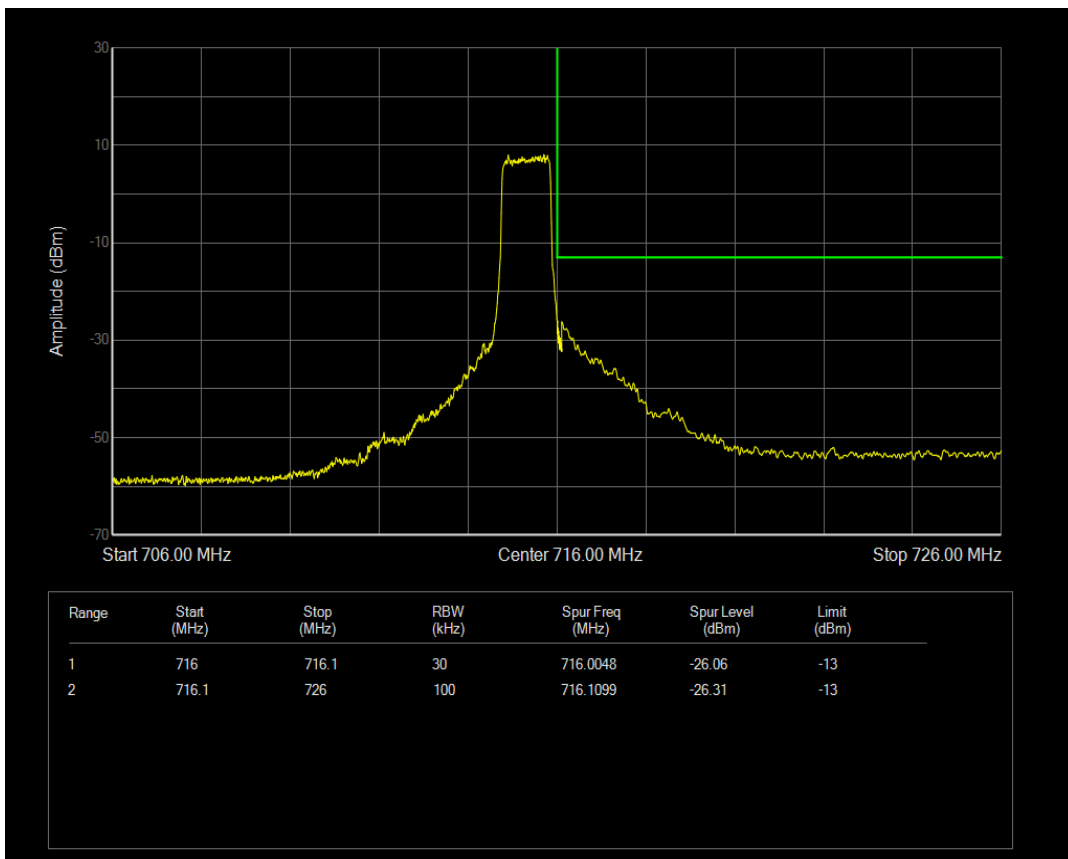


Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0

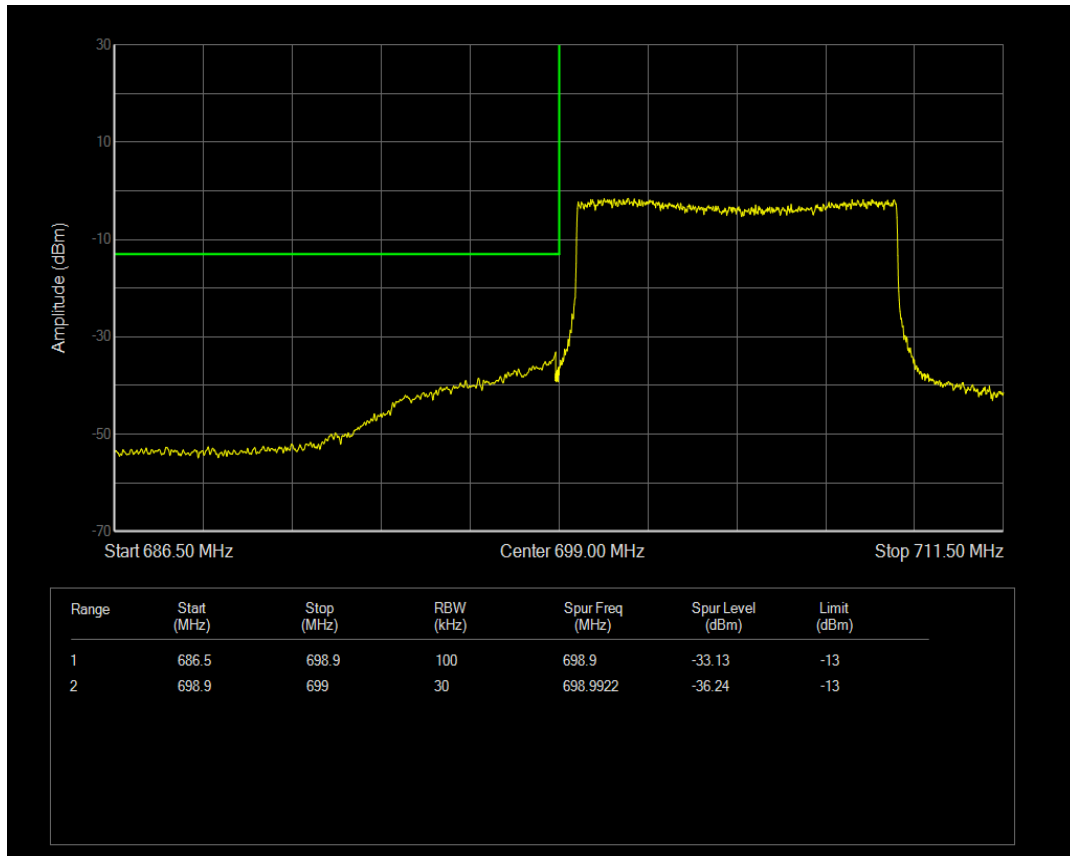




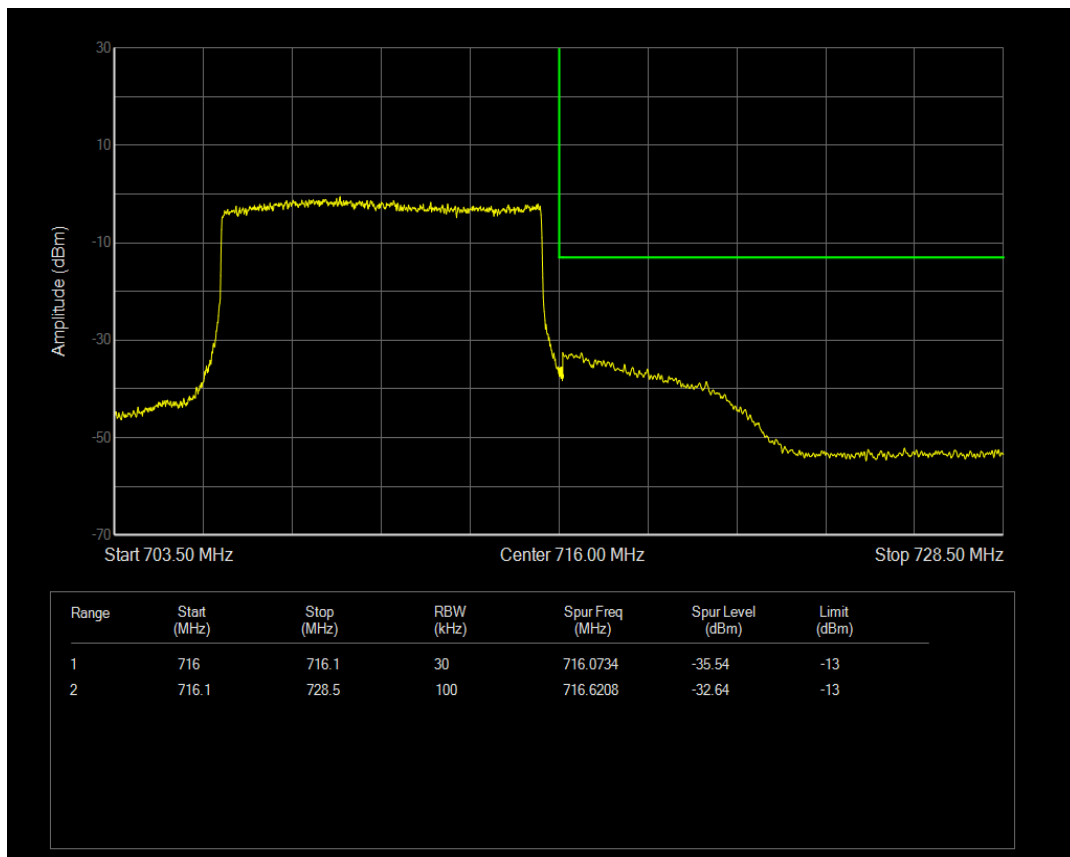
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



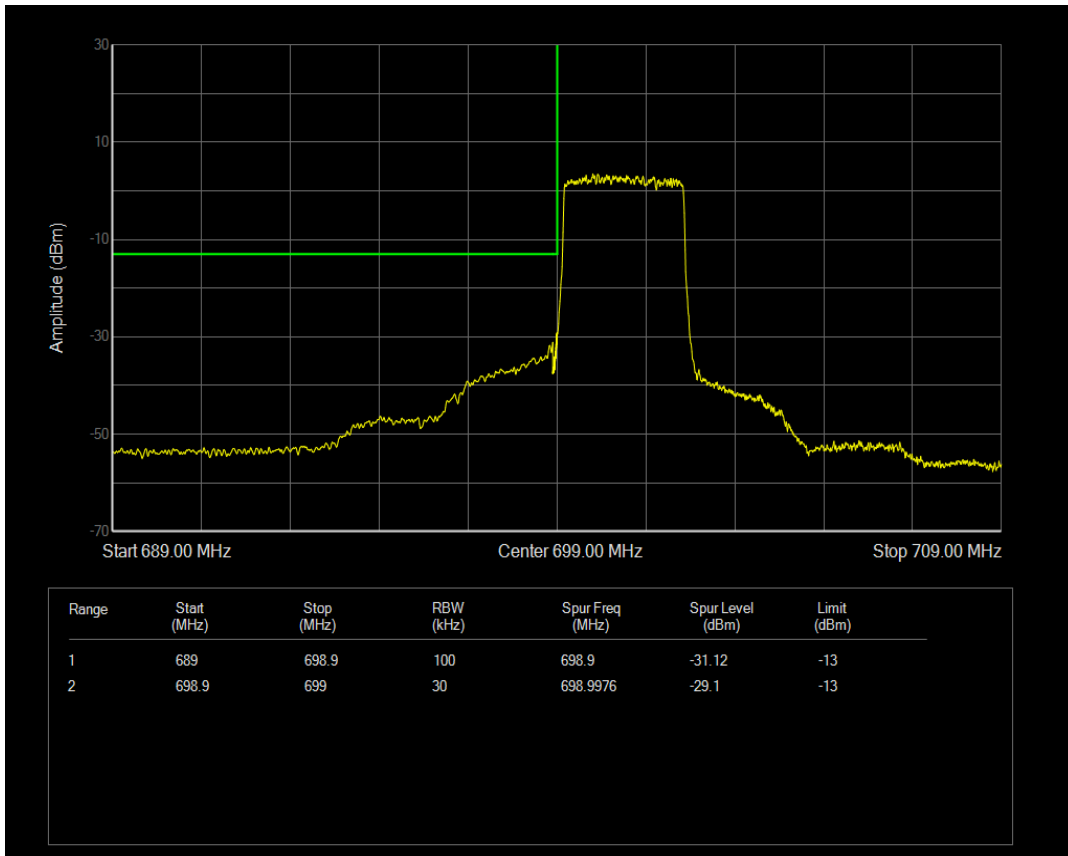
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



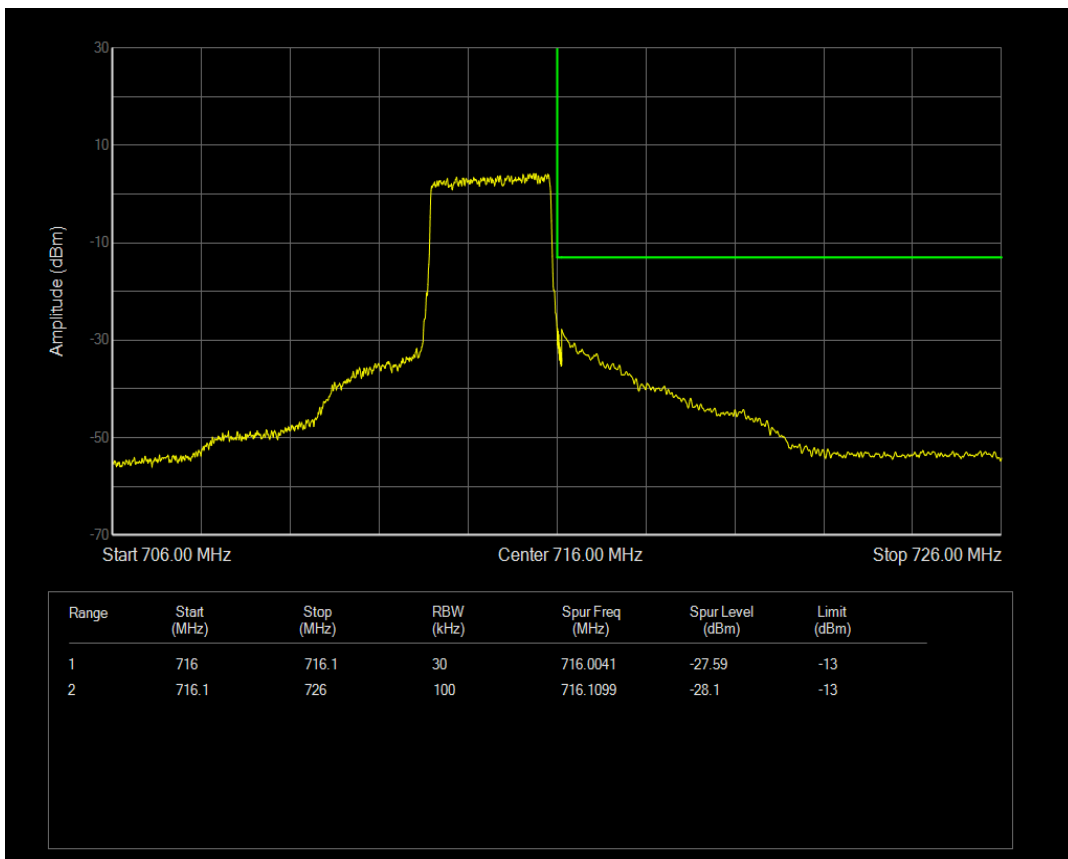
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



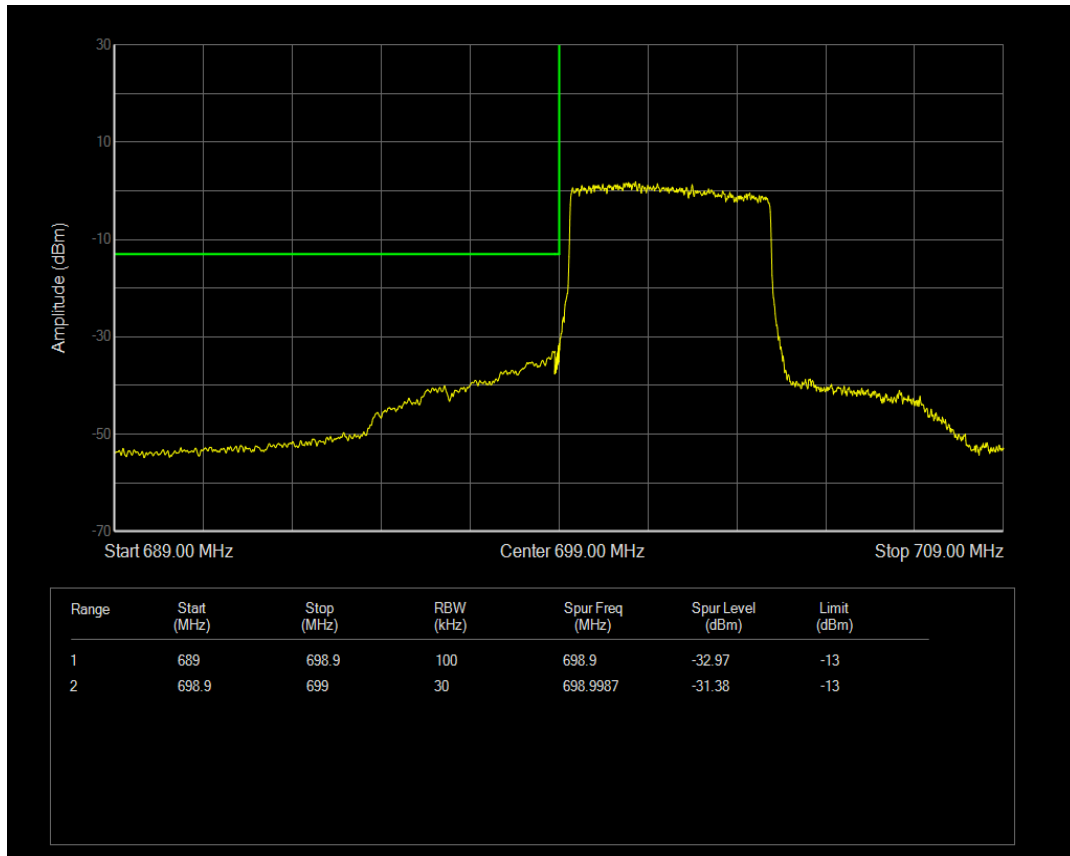
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



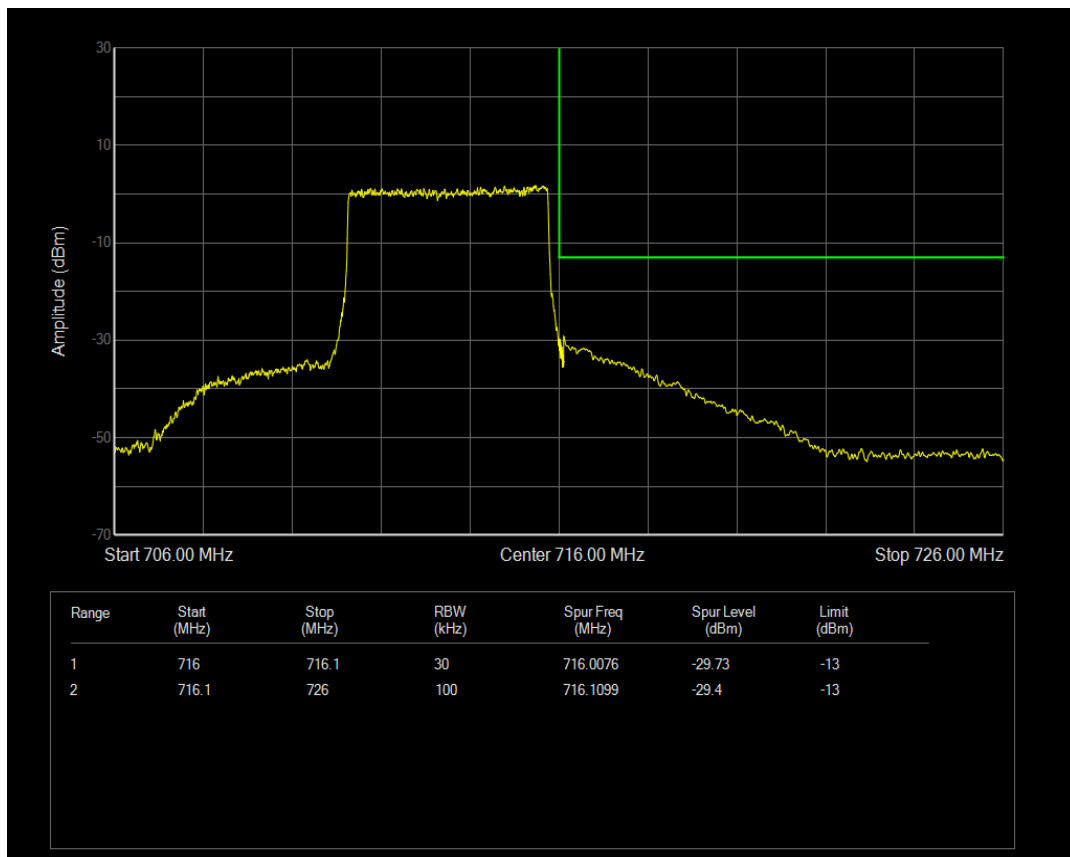
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



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



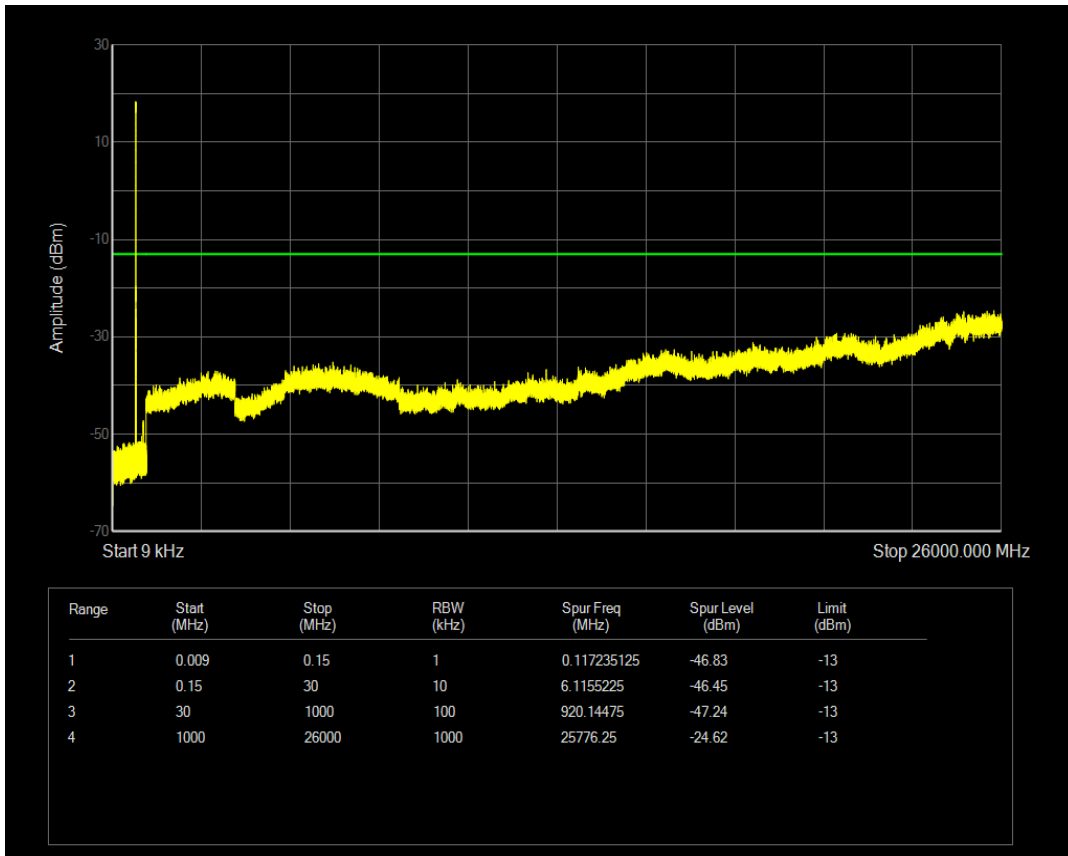
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



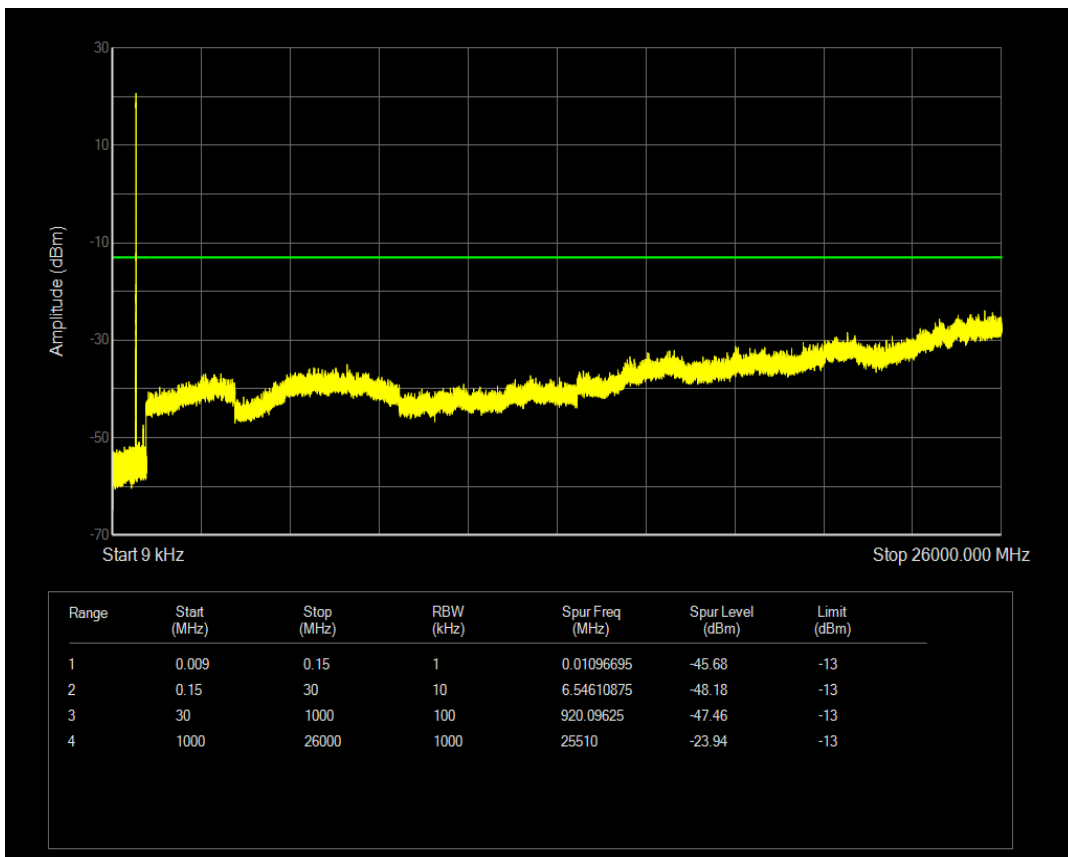
## Appendix 6. Out-of-band emissions

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 25805.00        | -24.23           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 25776.25        | -24.62           | -13         | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 25495.63        | -24.41           | -13         | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | 16QAM      | 25510.00        | -23.94           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 24748.75        | -24.04           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | 16QAM      | 25635.00        | -23.77           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 25173.75        | -24.07           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | 16QAM      | 25680.00        | -24.03           | -13         | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QPSK       | 24821.25        | -24.58           | -13         | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | 16QAM      | 25696.88        | -24.73           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 24709.38        | -24.55           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | 16QAM      | 24811.25        | -24.04           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 25350.63        | -23.63           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | 16QAM      | 25845.63        | -24.06           | -13         | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QPSK       | 24274.38        | -24.24           | -13         | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | 16QAM      | 24727.50        | -24.17           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 25765.63        | -23.30           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | 16QAM      | 25765.63        | -24.43           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 25071.25        | -23.99           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | 16QAM      | 25195.63        | -24.47           | -13         | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QPSK       | 25925.63        | -24.14           | -13         | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | 16QAM      | 25740.00        | -23.49           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 25115.00        | -23.81           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | 16QAM      | 25840.00        | -23.90           | -13         | PASS    |

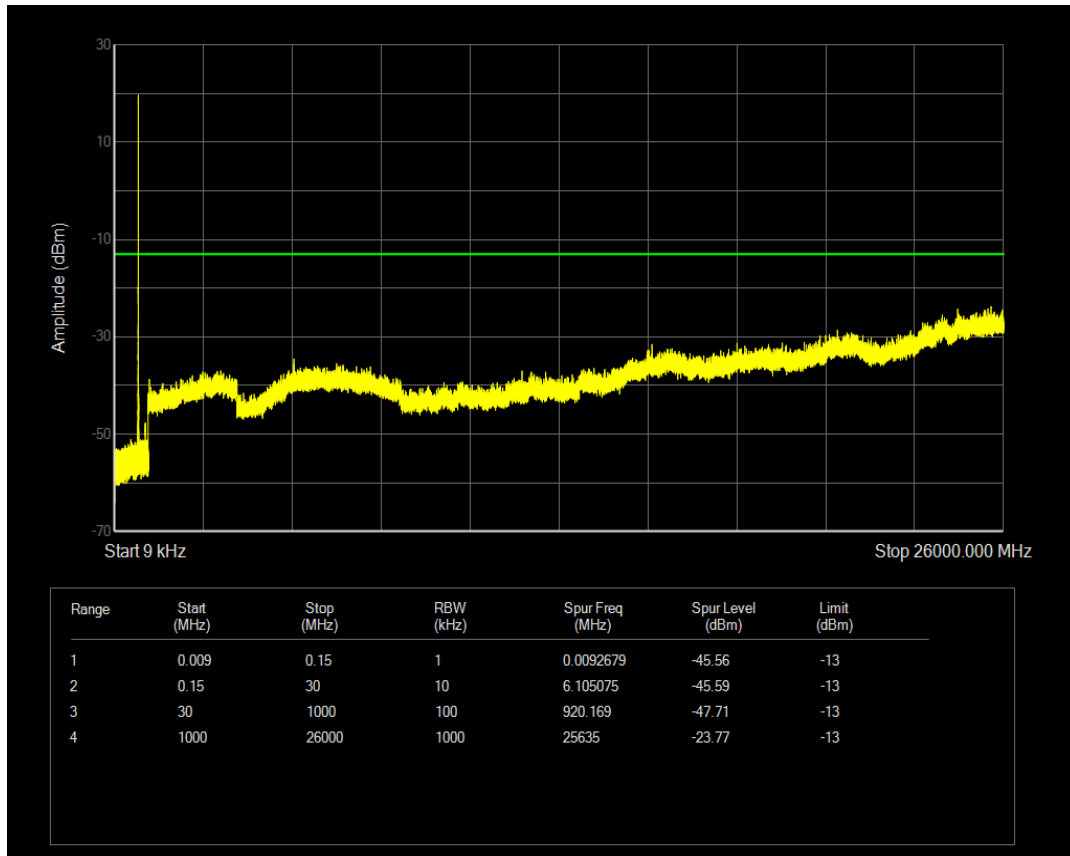
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



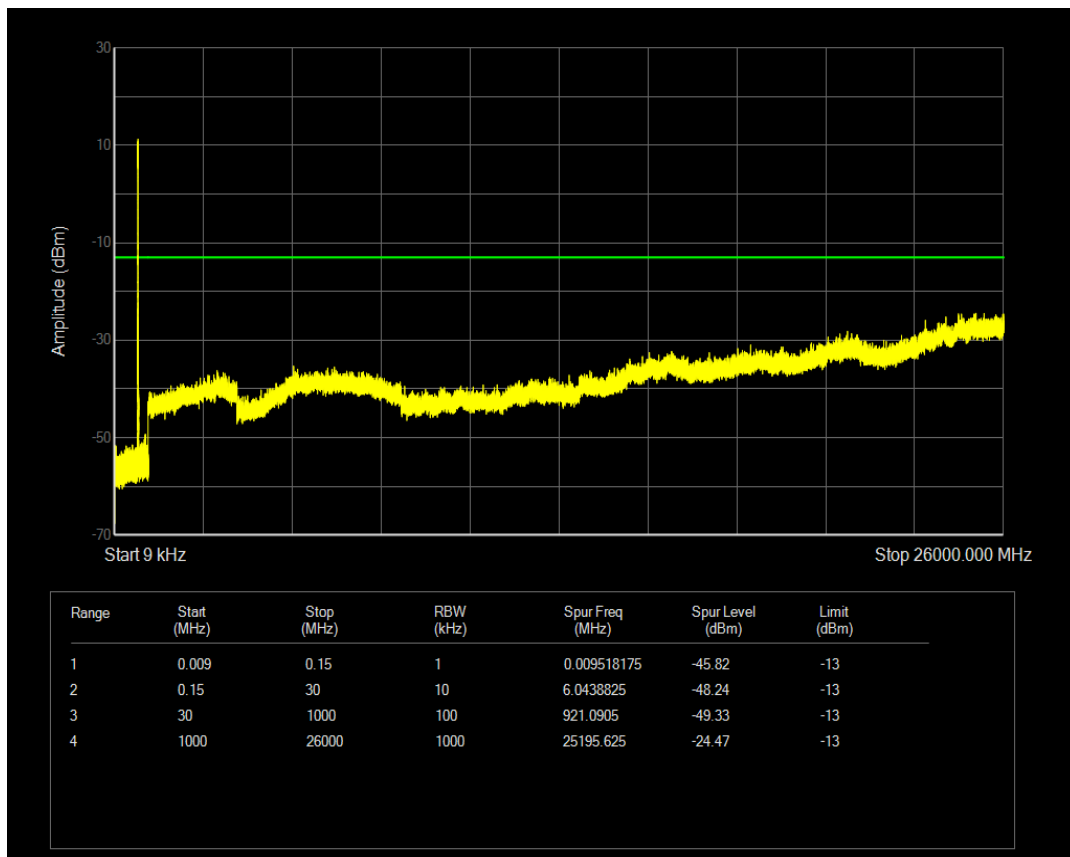
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



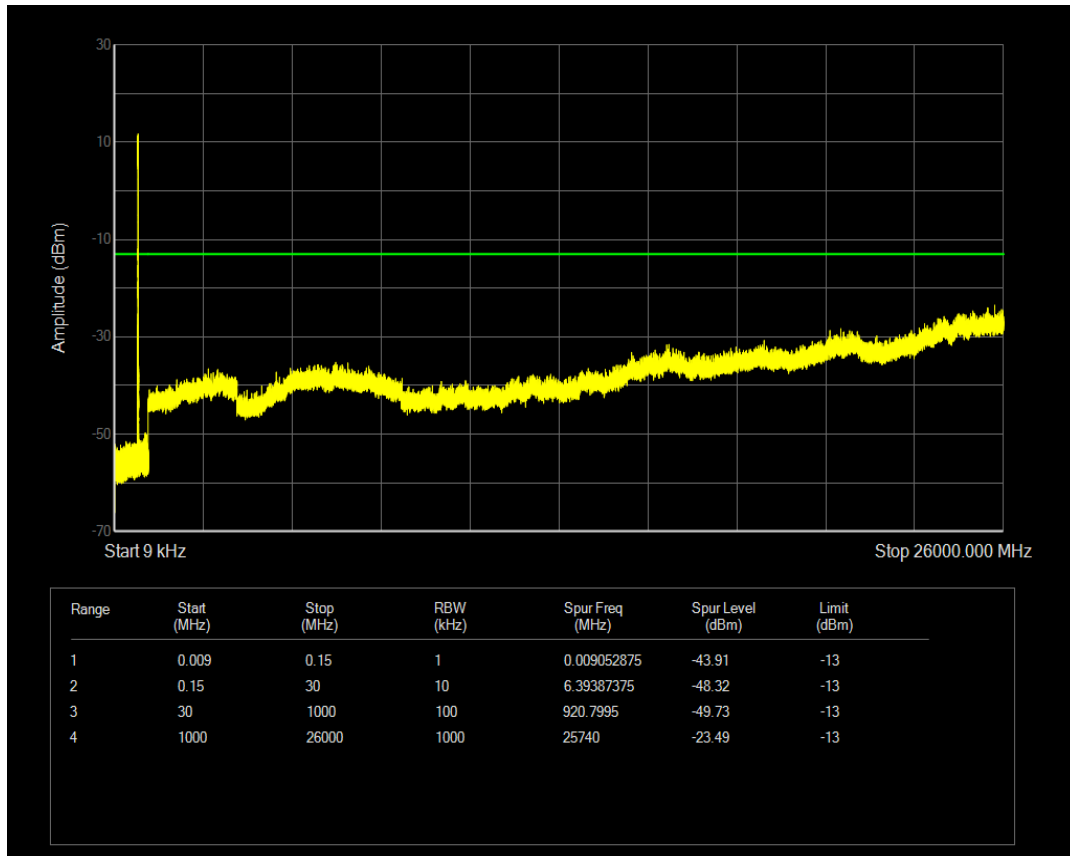
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



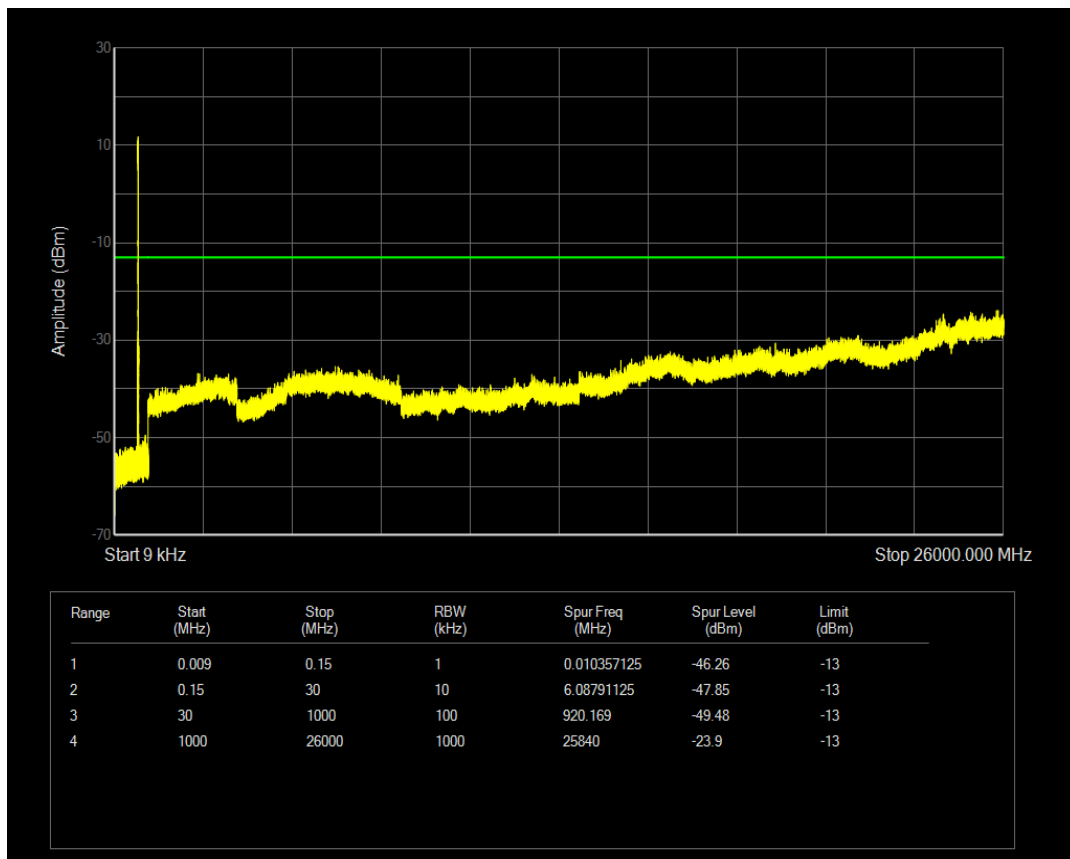
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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

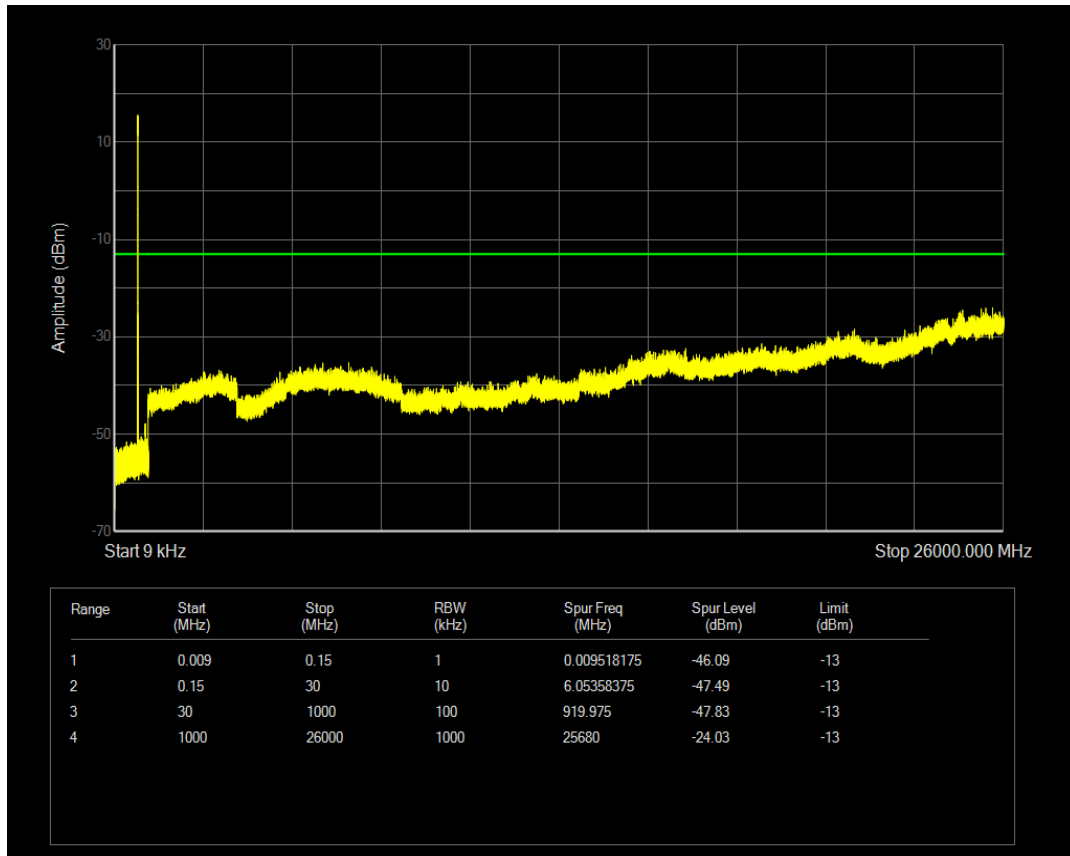


Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

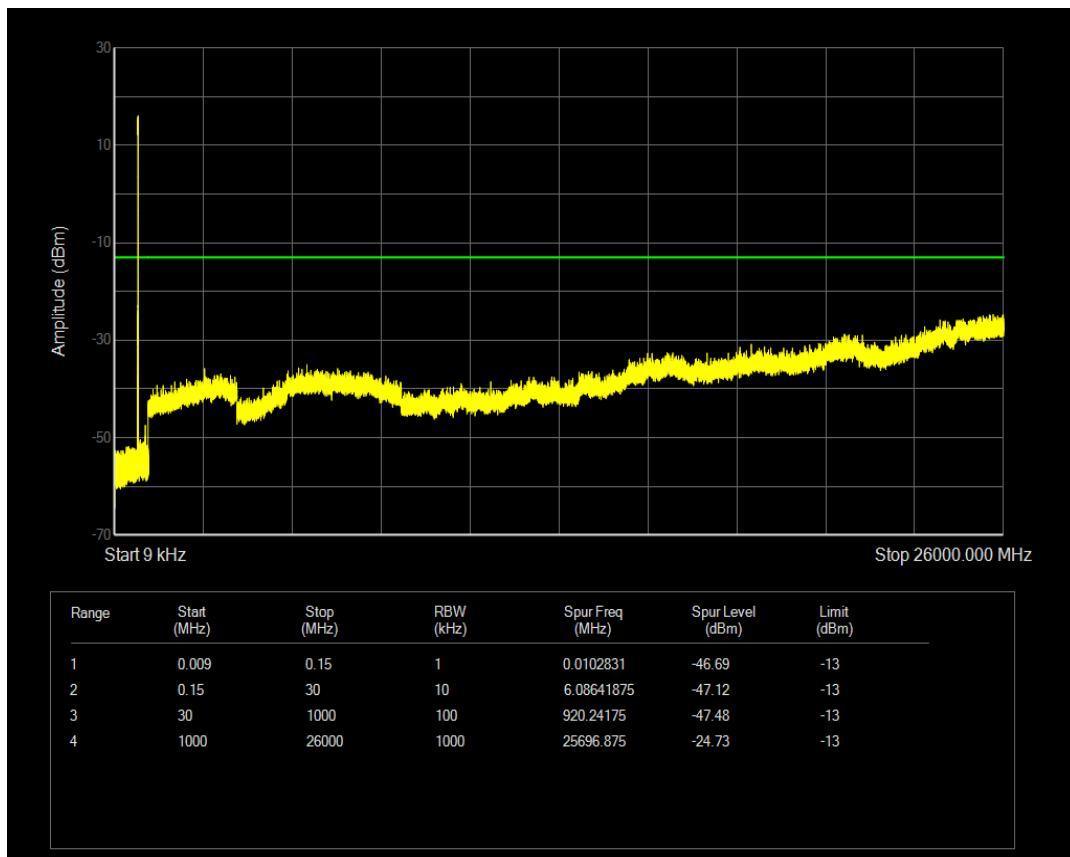


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0

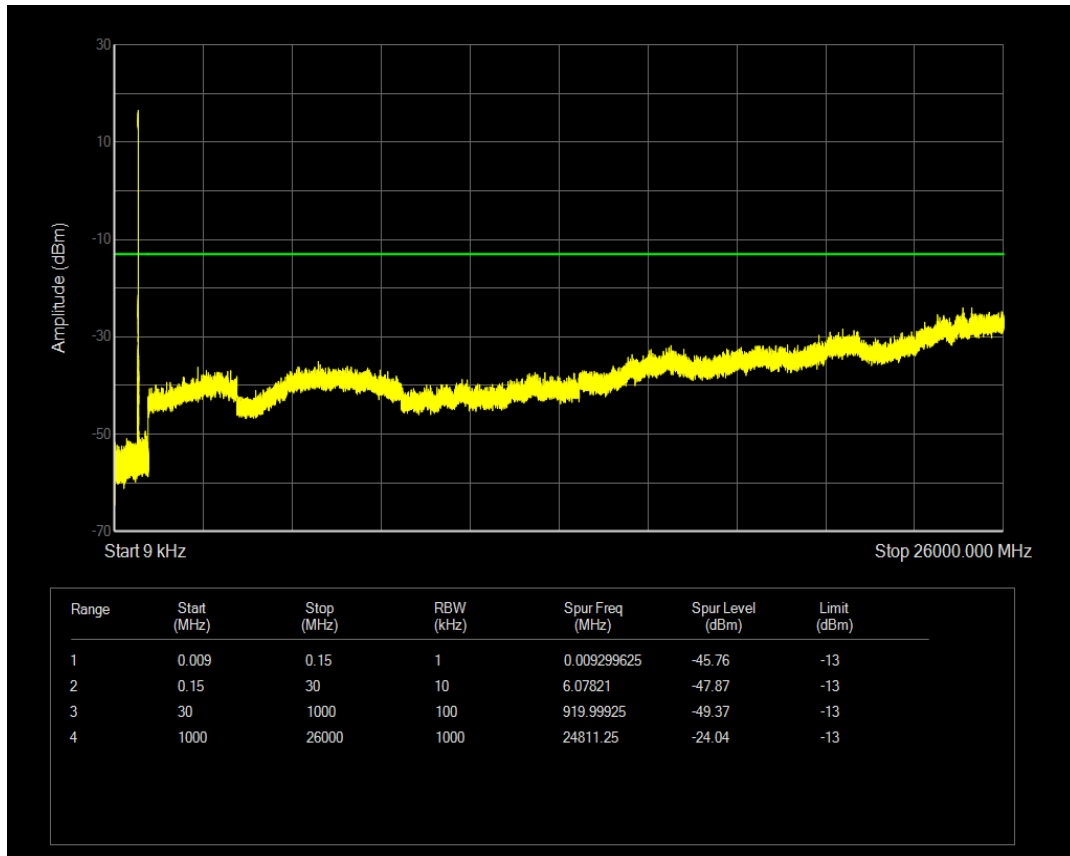




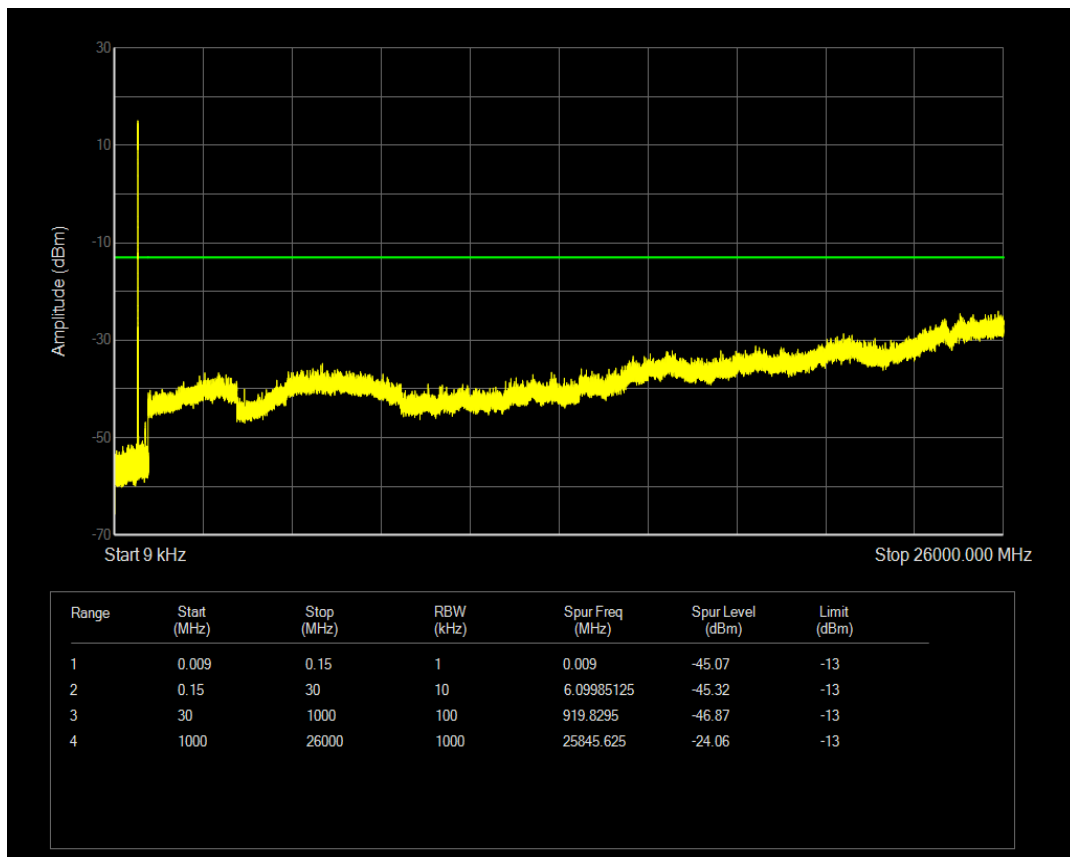
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



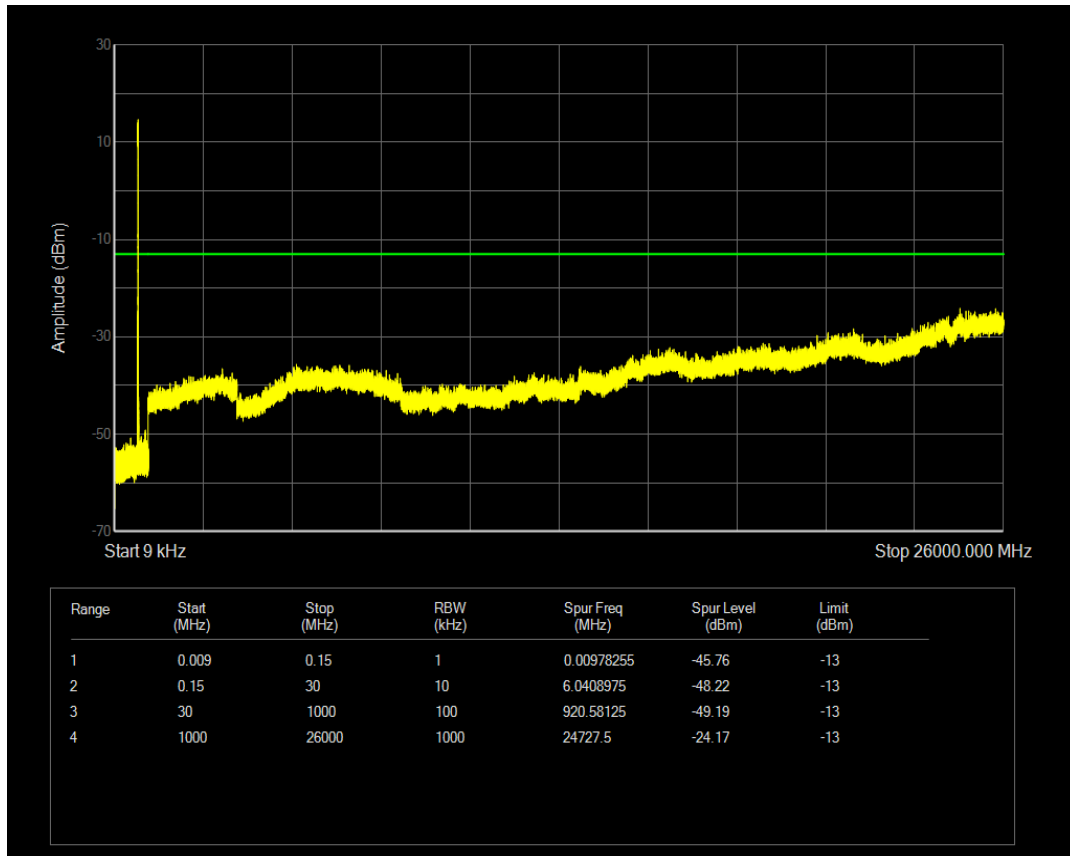
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



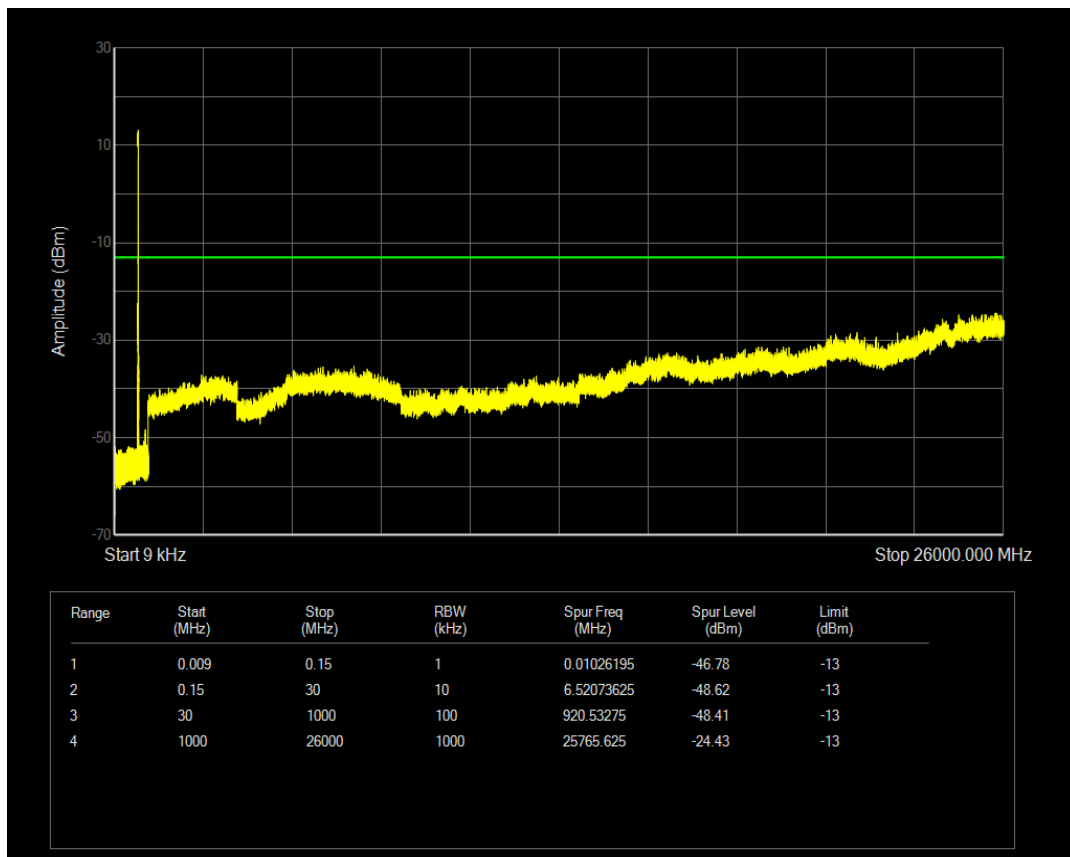
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



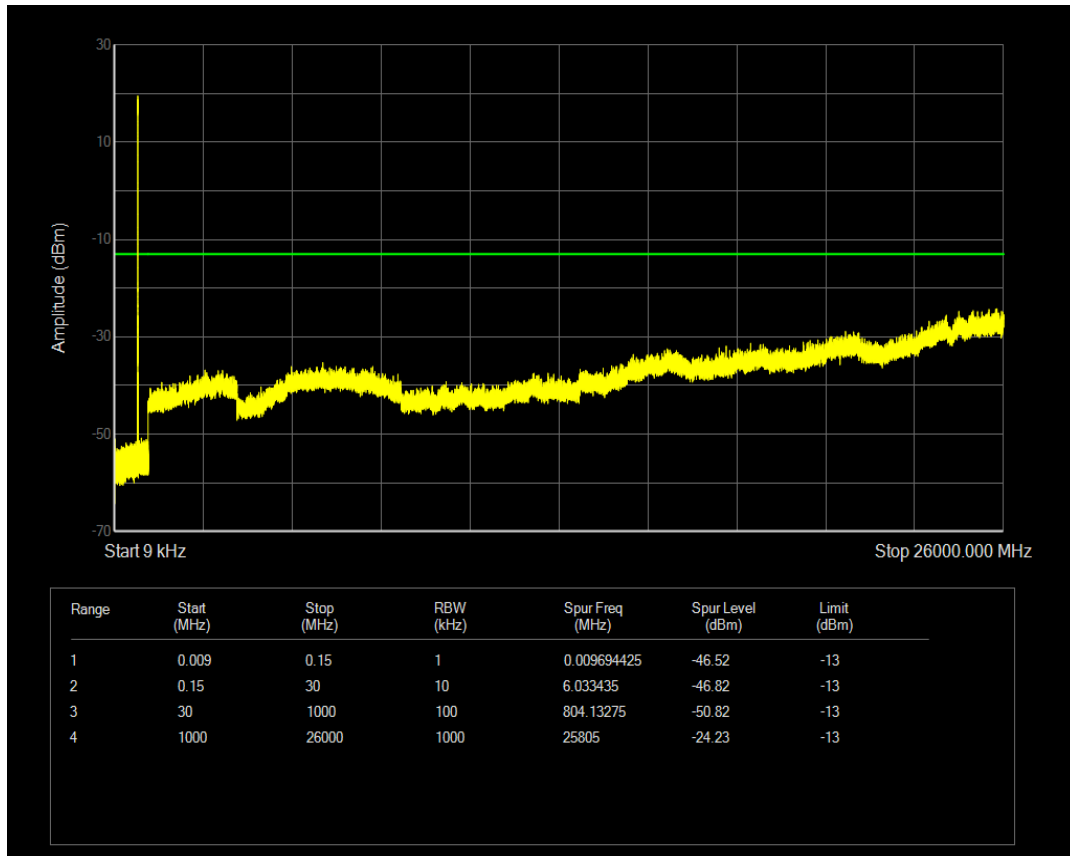
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



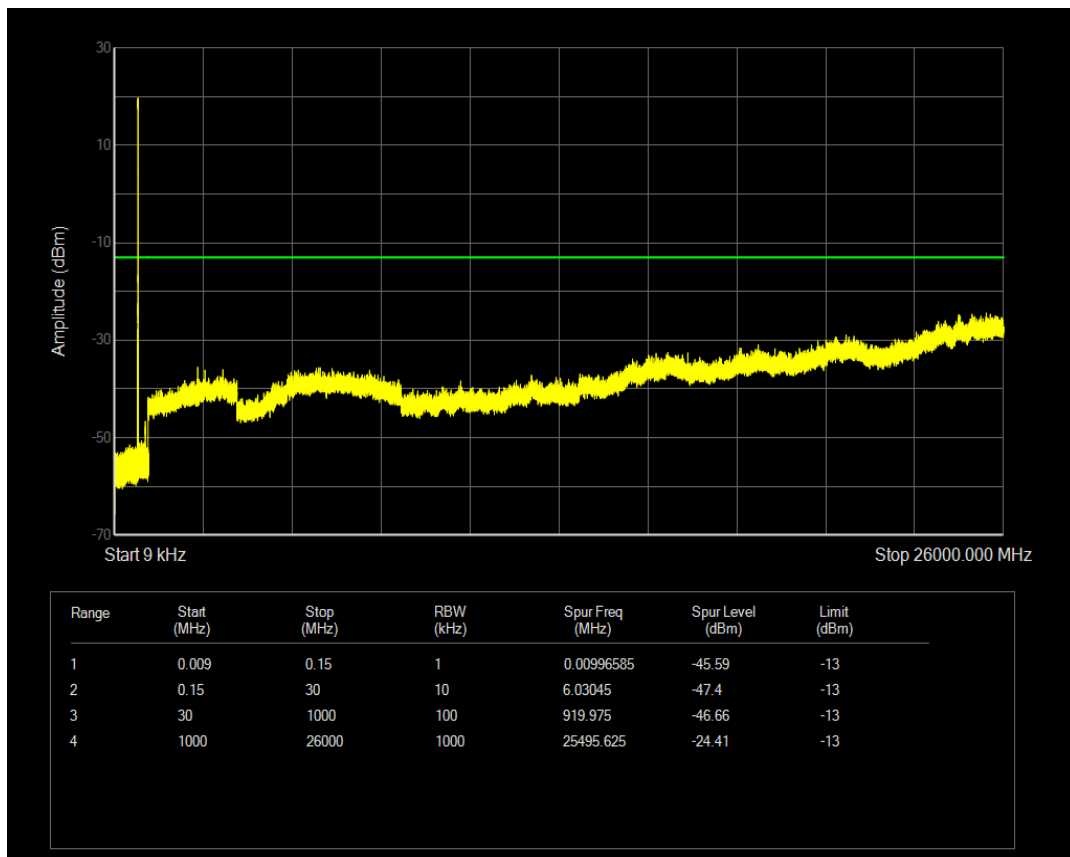
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



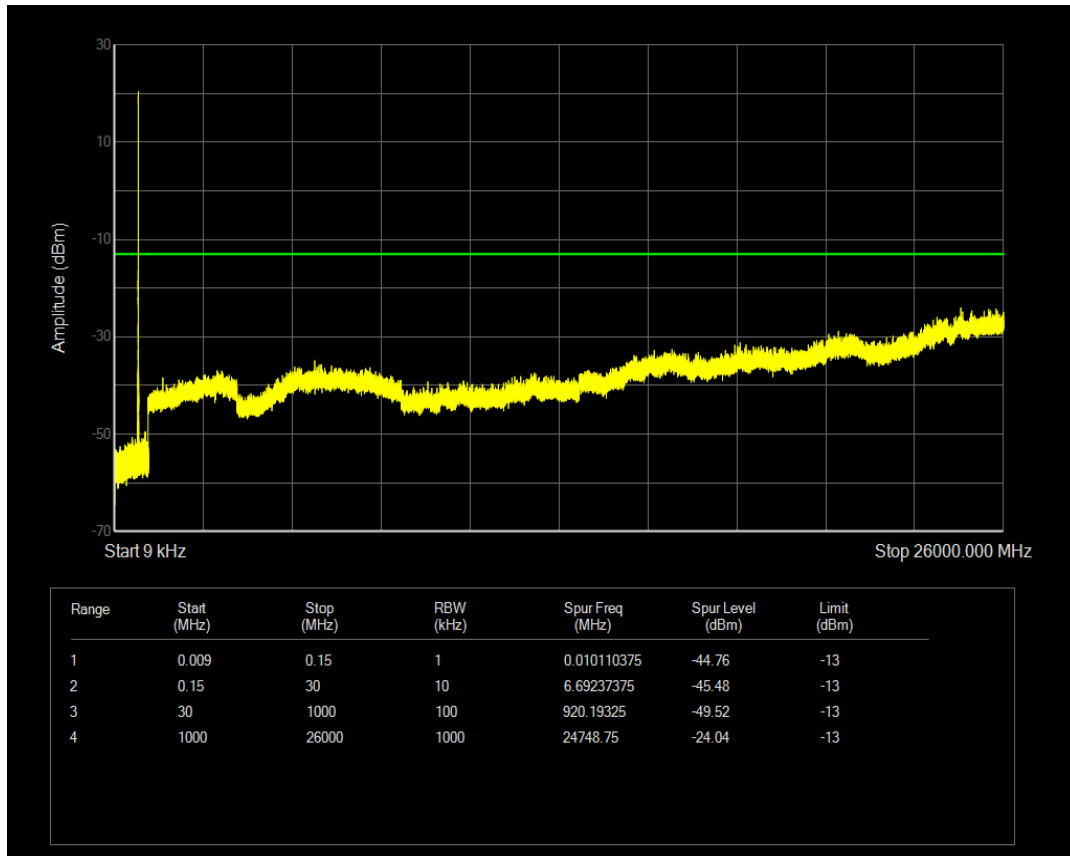
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



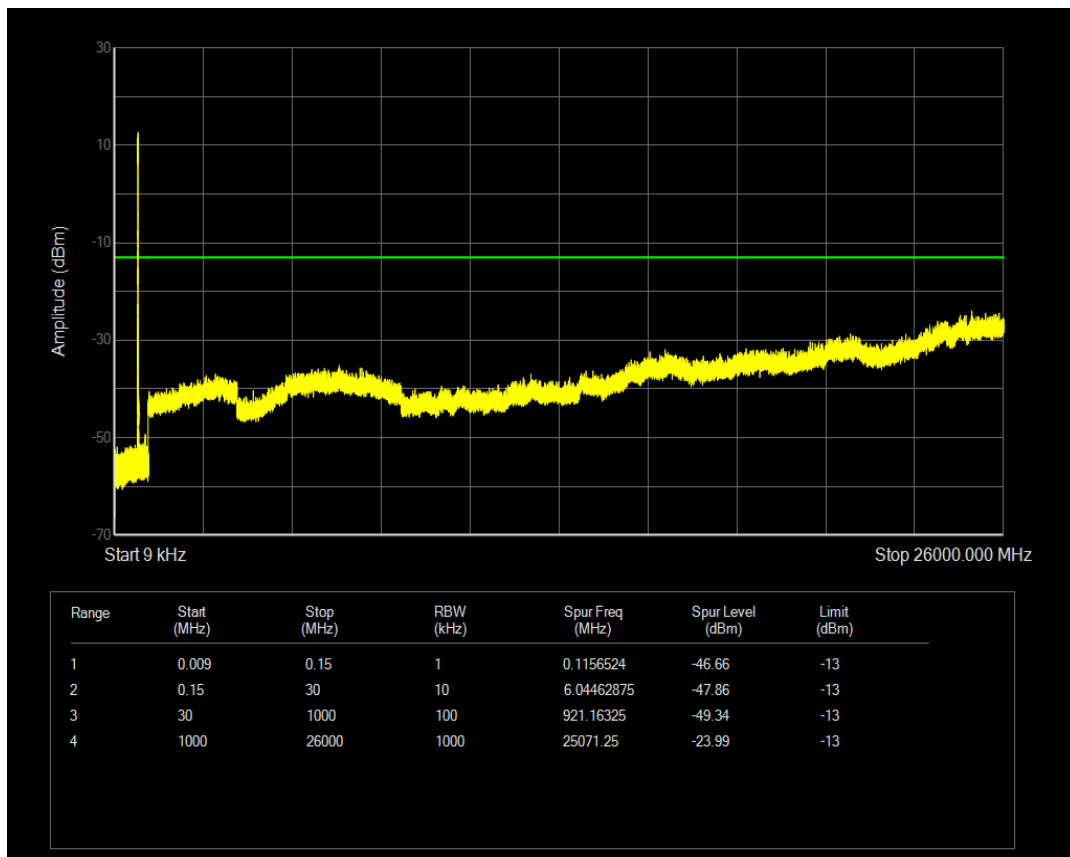
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



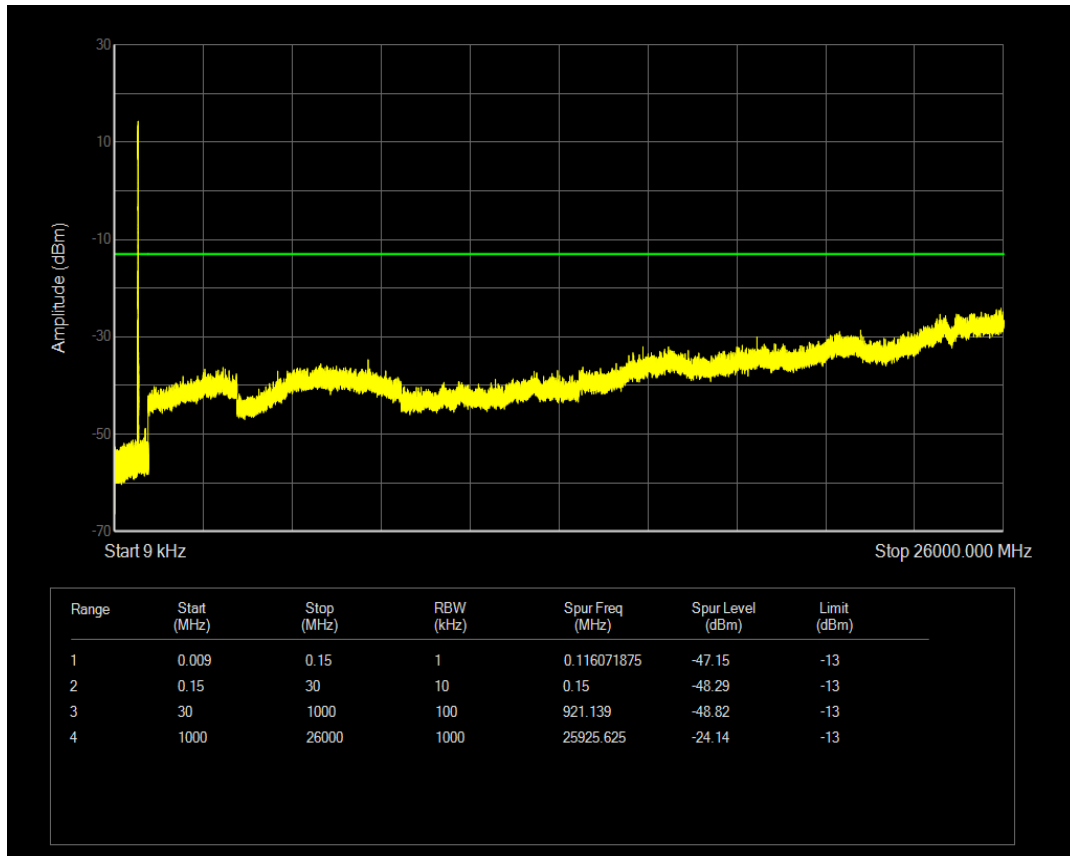
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



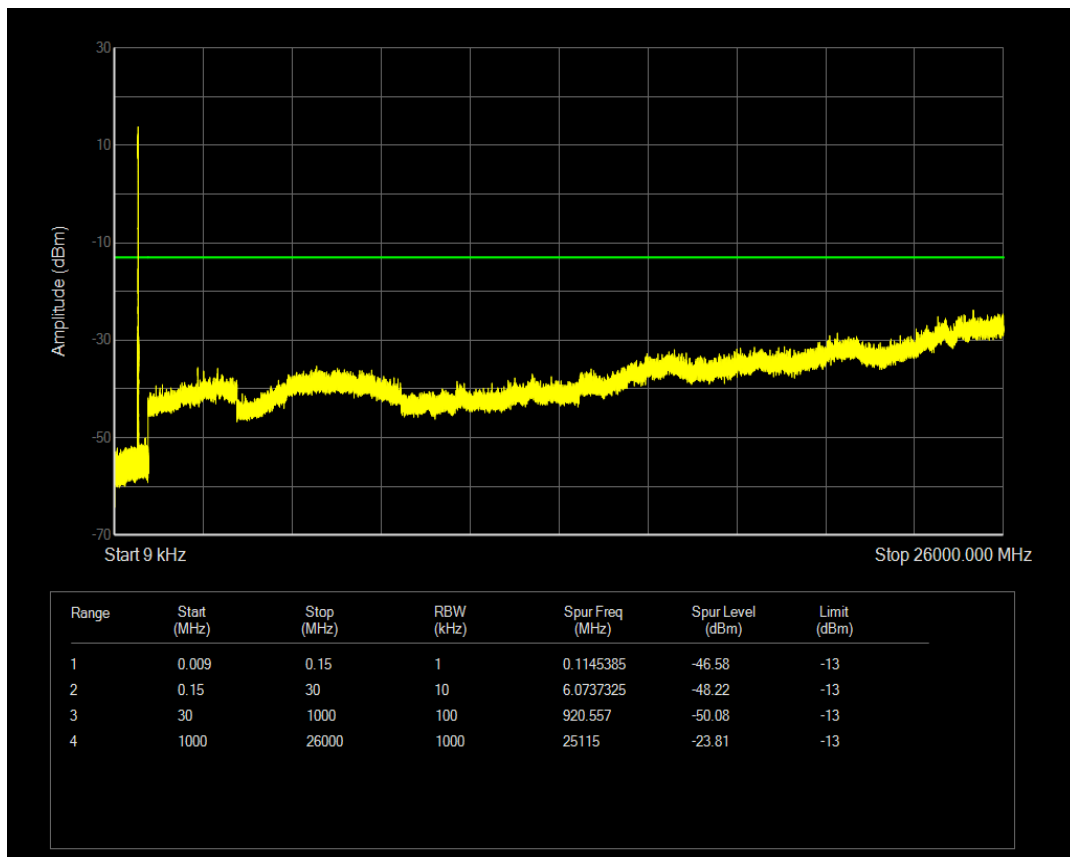
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



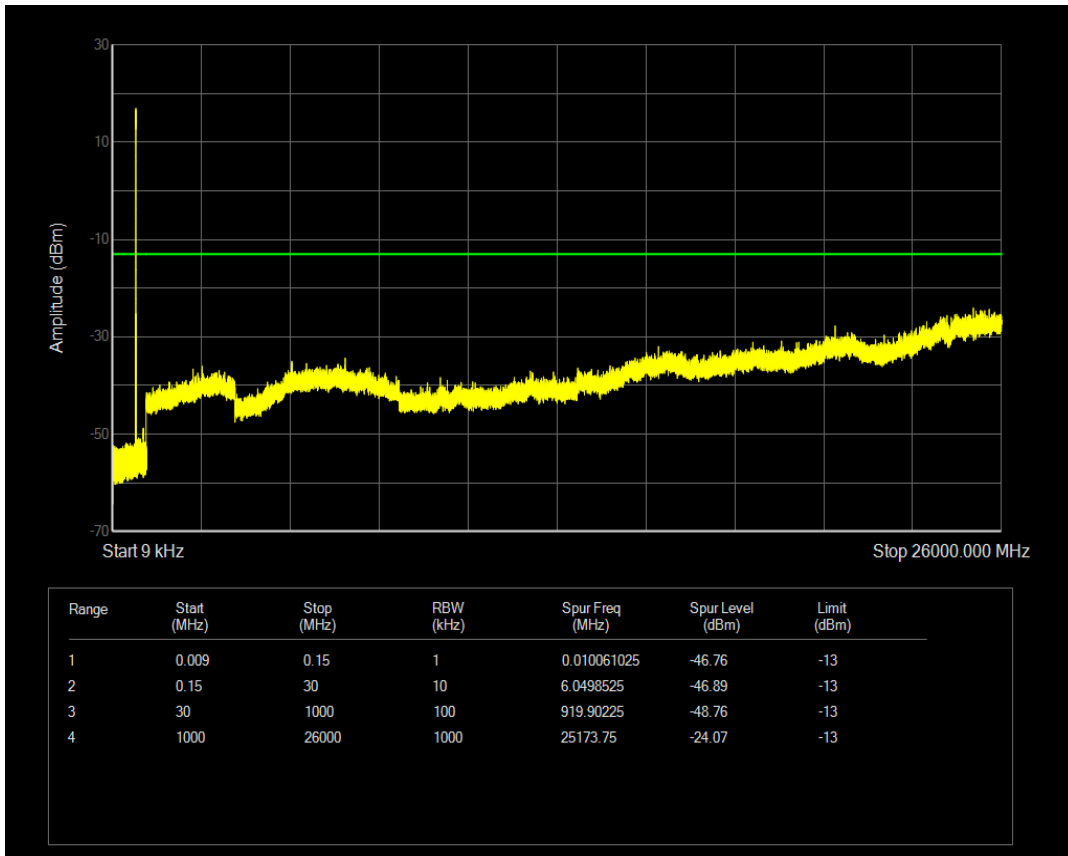
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



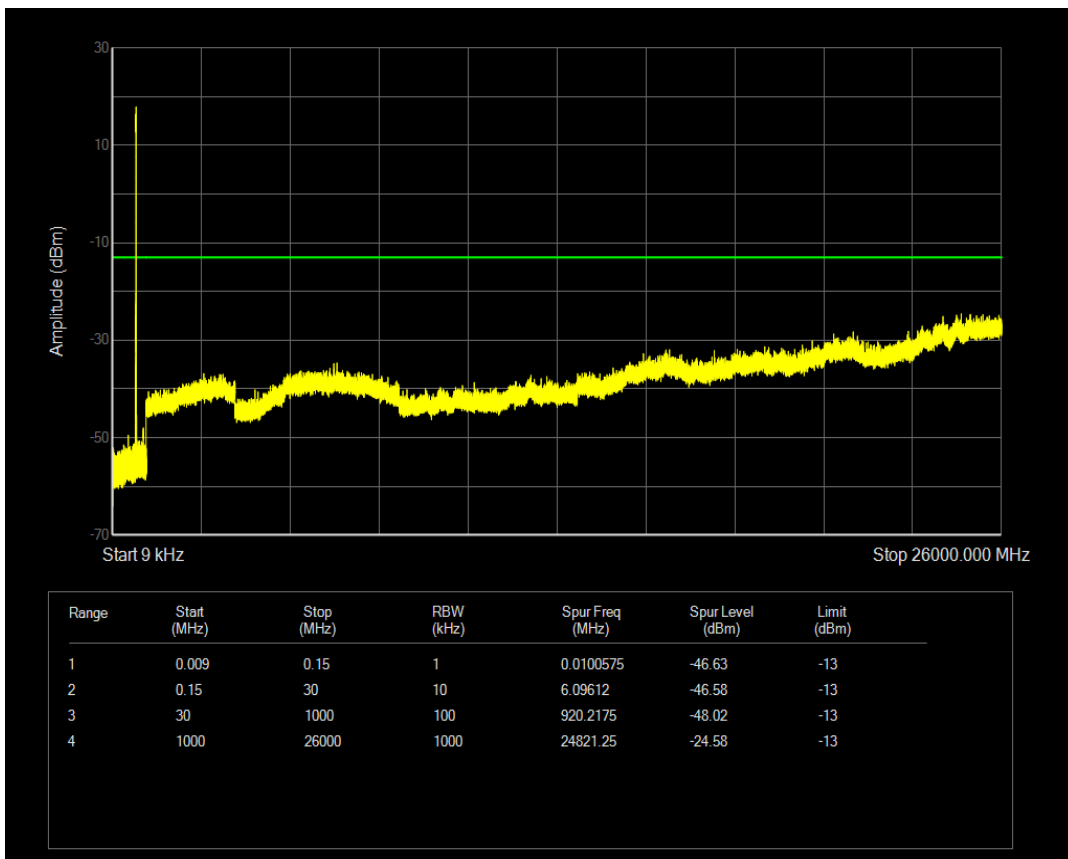
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



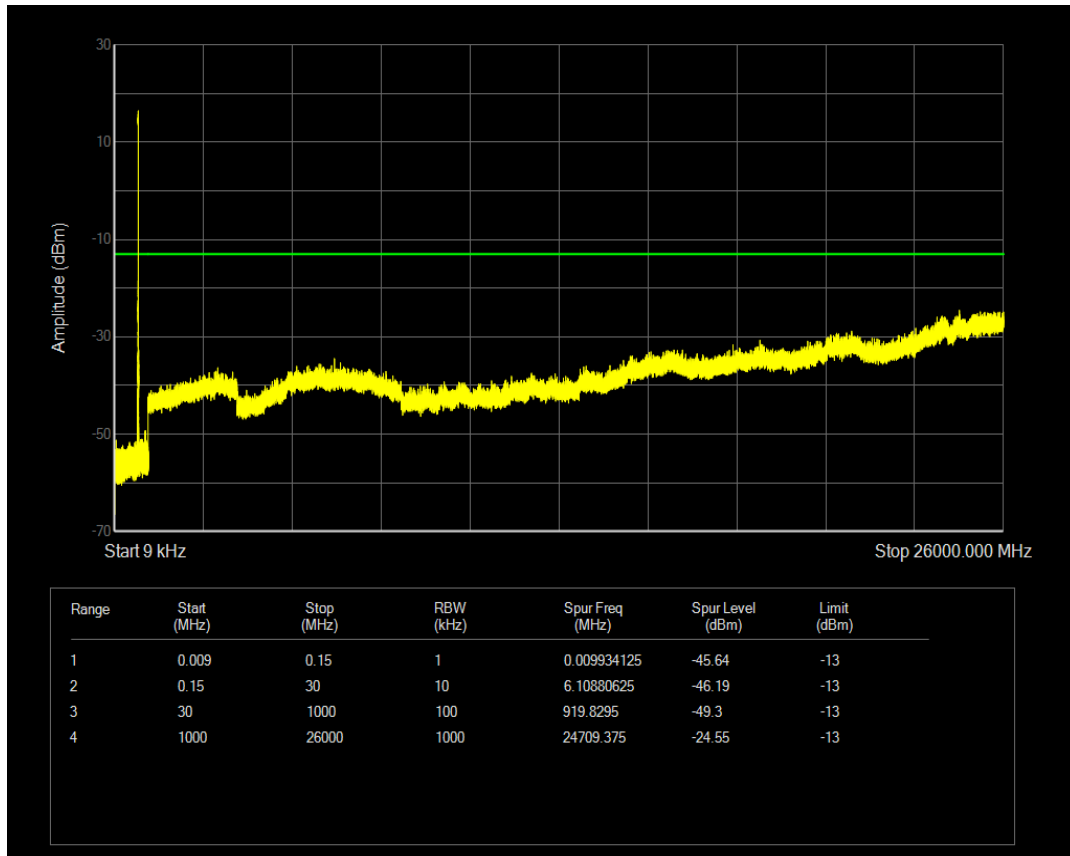
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



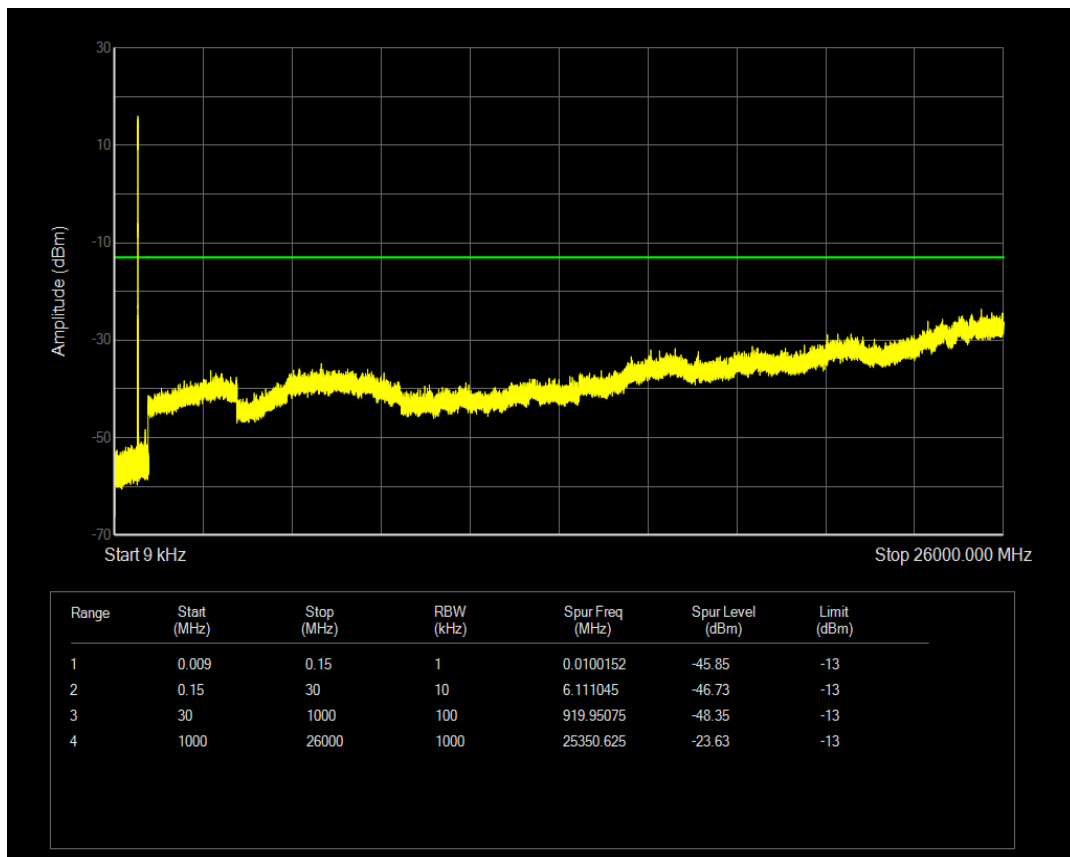
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



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

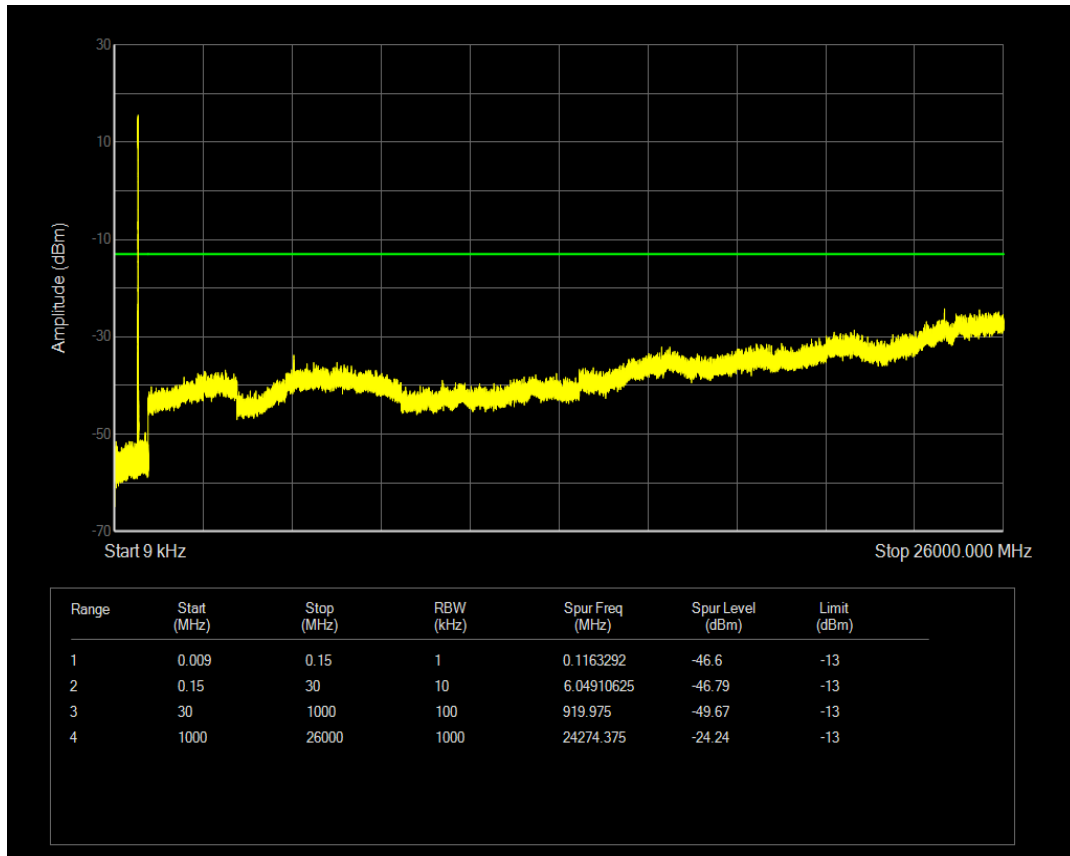


Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



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





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

