

# Appendix for Band 12

Report No.: BCTC2410930951-6E

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Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

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Product Name: Smart phone

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Test Model: S3

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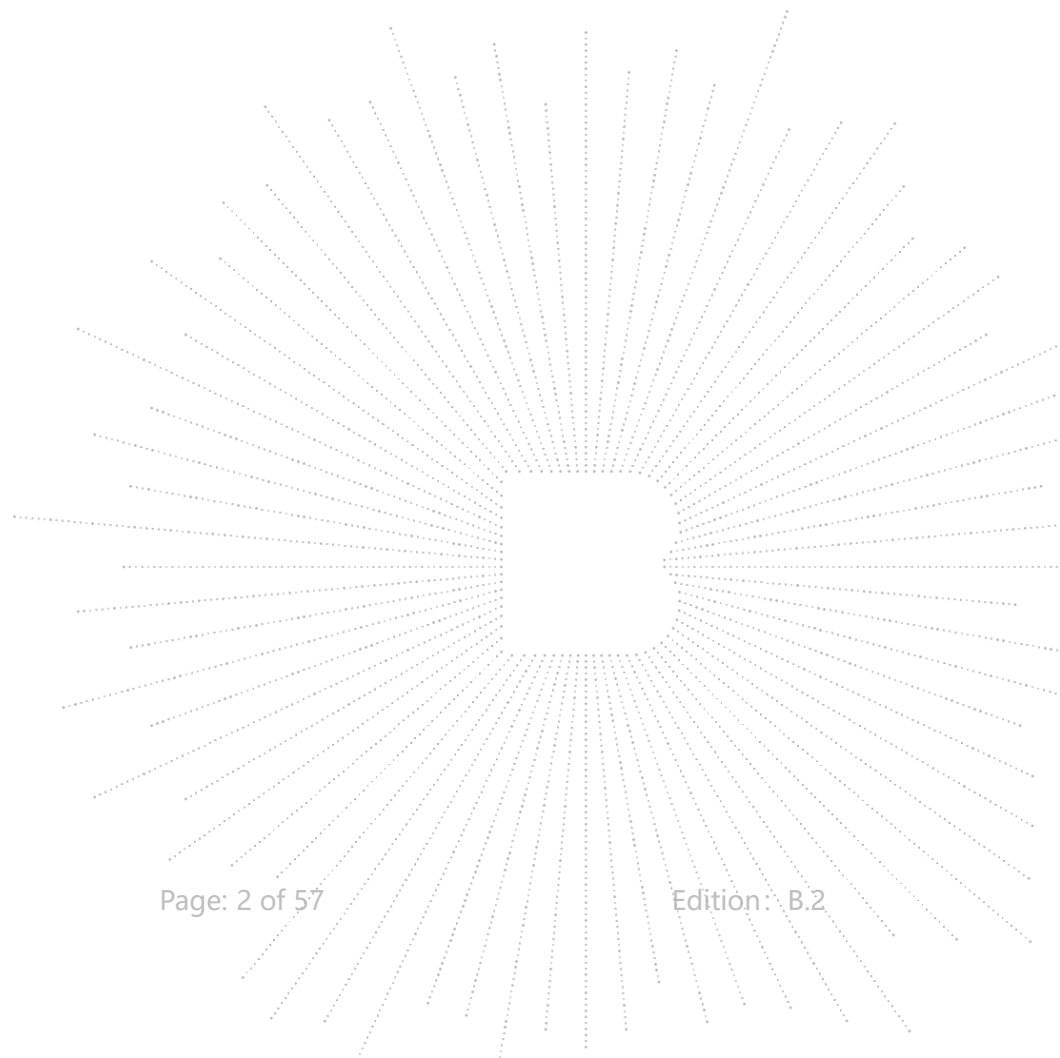
Tested Date: 2024-10-14 to 2024-11-06

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

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

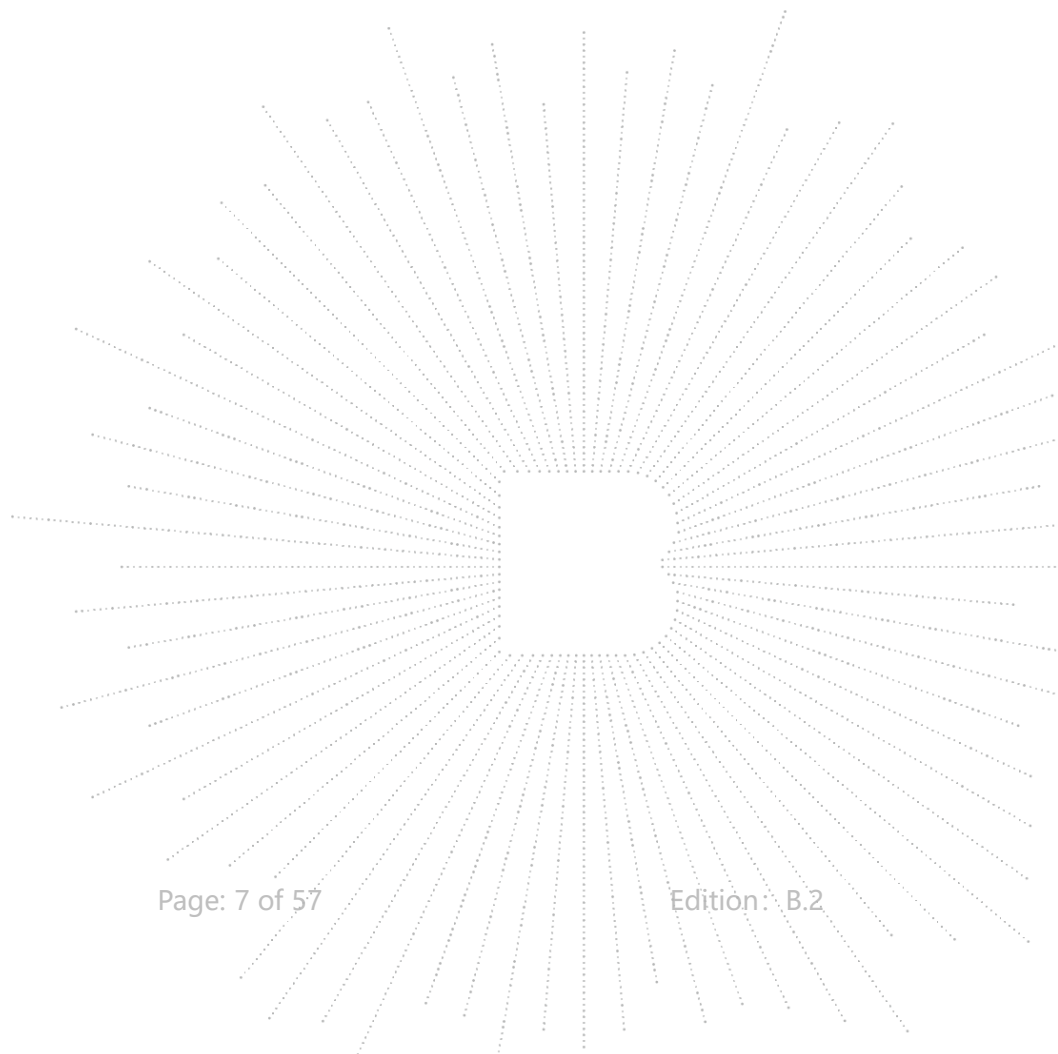
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | ERP<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|---------------|--------------|---------|
| Band12 | 1.4                | 23017         | 1          | #0             | QPSK       | 23.60          | -4.6          | 16.85        | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QPSK       | 23.78          | -4.6          | 17.03        | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QPSK       | 23.61          | -4.6          | 16.86        | PASS    |
| Band12 | 1.4                | 23017         | 3          | #0             | QPSK       | 23.77          | -4.6          | 17.02        | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QPSK       | 23.78          | -4.6          | 17.03        | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QPSK       | 23.77          | -4.6          | 17.02        | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 22.68          | -4.6          | 15.93        | PASS    |
| Band12 | 1.4                | 23017         | 1          | #0             | 16QAM      | 22.81          | -4.6          | 16.06        | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | 16QAM      | 22.93          | -4.6          | 16.18        | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Max           | 16QAM      | 22.83          | -4.6          | 16.08        | PASS    |
| Band12 | 1.4                | 23017         | 3          | #0             | 16QAM      | 22.91          | -4.6          | 16.16        | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | 16QAM      | 22.95          | -4.6          | 16.20        | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Max           | 16QAM      | 22.96          | -4.6          | 16.21        | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | 21.83          | -4.6          | 15.08        | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 23.71          | -4.6          | 16.96        | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QPSK       | 23.88          | -4.6          | 17.13        | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QPSK       | 23.71          | -4.6          | 16.96        | PASS    |
| Band12 | 1.4                | 23095         | 3          | #0             | QPSK       | 23.78          | -4.6          | 17.03        | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QPSK       | 23.76          | -4.6          | 17.01        | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QPSK       | 23.75          | -4.6          | 17.00        | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 22.68          | -4.6          | 15.93        | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | 16QAM      | 22.55          | -4.6          | 15.80        | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | 16QAM      | 22.68          | -4.6          | 15.93        | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Max           | 16QAM      | 22.55          | -4.6          | 15.80        | PASS    |
| Band12 | 1.4                | 23095         | 3          | #0             | 16QAM      | 22.90          | -4.6          | 16.15        | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | 16QAM      | 22.90          | -4.6          | 16.15        | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Max           | 16QAM      | 22.93          | -4.6          | 16.18        | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | 21.89          | -4.6          | 15.14        | PASS    |
| Band12 | 1.4                | 23173         | 1          | #0             | QPSK       | 23.72          | -4.6          | 16.97        | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QPSK       | 23.92          | -4.6          | 17.17        | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Max           | QPSK       | 23.70          | -4.6          | 16.95        | PASS    |
| Band12 | 1.4                | 23173         | 3          | #0             | QPSK       | 23.68          | -4.6          | 16.93        | PASS    |
| Band12 | 1.4                | 23173         | 3          | #Mid           | QPSK       | 23.71          | -4.6          | 16.96        | PASS    |
| Band12 | 1.4                | 23173         | 3          | #Max           | QPSK       | 23.69          | -4.6          | 16.94        | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 22.70          | -4.6          | 15.95        | PASS    |
| Band12 | 1.4                | 23173         | 1          | #0             | 16QAM      | 22.69          | -4.6          | 15.94        | PASS    |

|        |     |       |    |      |       |       |      |       |      |
|--------|-----|-------|----|------|-------|-------|------|-------|------|
| Band12 | 1.4 | 23173 | 1  | #Mid | 16QAM | 22.85 | -4.6 | 16.10 | PASS |
| Band12 | 1.4 | 23173 | 1  | #Max | 16QAM | 22.67 | -4.6 | 15.92 | PASS |
| Band12 | 1.4 | 23173 | 3  | #0   | 16QAM | 22.82 | -4.6 | 16.07 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Mid | 16QAM | 22.83 | -4.6 | 16.08 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Max | 16QAM | 22.80 | -4.6 | 16.05 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0   | 16QAM | 21.81 | -4.6 | 15.06 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | QPSK  | 23.70 | -4.6 | 16.95 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 24.05 | -4.6 | 17.30 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | QPSK  | 23.74 | -4.6 | 16.99 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | QPSK  | 22.70 | -4.6 | 15.95 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 22.75 | -4.6 | 16.00 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | QPSK  | 22.70 | -4.6 | 15.95 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | QPSK  | 22.68 | -4.6 | 15.93 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | 16QAM | 22.57 | -4.6 | 15.82 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | 16QAM | 22.87 | -4.6 | 16.12 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | 16QAM | 22.55 | -4.6 | 15.80 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | 16QAM | 21.70 | -4.6 | 14.95 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | 16QAM | 21.70 | -4.6 | 14.95 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | 16QAM | 21.69 | -4.6 | 14.94 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | 16QAM | 21.77 | -4.6 | 15.02 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | QPSK  | 23.65 | -4.6 | 16.90 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 23.92 | -4.6 | 17.17 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | QPSK  | 23.66 | -4.6 | 16.91 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | QPSK  | 22.68 | -4.6 | 15.93 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 22.71 | -4.6 | 15.96 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | QPSK  | 22.70 | -4.6 | 15.95 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | QPSK  | 22.69 | -4.6 | 15.94 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | 16QAM | 23.10 | -4.6 | 16.35 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | 16QAM | 23.41 | -4.6 | 16.66 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | 16QAM | 23.09 | -4.6 | 16.34 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | 16QAM | 21.72 | -4.6 | 14.97 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | 16QAM | 21.75 | -4.6 | 15.00 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | 16QAM | 21.74 | -4.6 | 14.99 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | 16QAM | 21.75 | -4.6 | 15.00 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | QPSK  | 23.61 | -4.6 | 16.86 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 23.95 | -4.6 | 17.20 | PASS |
| Band12 | 3   | 23165 | 1  | #Max | QPSK  | 23.67 | -4.6 | 16.92 | PASS |
| Band12 | 3   | 23165 | 8  | #0   | QPSK  | 22.71 | -4.6 | 15.96 | PASS |
| Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 22.71 | -4.6 | 15.96 | PASS |
| Band12 | 3   | 23165 | 8  | #Max | QPSK  | 22.69 | -4.6 | 15.94 | PASS |
| Band12 | 3   | 23165 | 15 | #0   | QPSK  | 22.65 | -4.6 | 15.90 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | 16QAM | 22.83 | -4.6 | 16.08 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | 16QAM | 23.12 | -4.6 | 16.37 | PASS |

|        |   |       |    |      |       |       |      |       |      |
|--------|---|-------|----|------|-------|-------|------|-------|------|
| Band12 | 3 | 23165 | 1  | #Max | 16QAM | 22.75 | -4.6 | 16.00 | PASS |
| Band12 | 3 | 23165 | 8  | #0   | 16QAM | 21.71 | -4.6 | 14.96 | PASS |
| Band12 | 3 | 23165 | 8  | #Mid | 16QAM | 21.72 | -4.6 | 14.97 | PASS |
| Band12 | 3 | 23165 | 8  | #Max | 16QAM | 21.66 | -4.6 | 14.91 | PASS |
| Band12 | 3 | 23165 | 15 | #0   | 16QAM | 21.60 | -4.6 | 14.85 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | QPSK  | 23.62 | -4.6 | 16.87 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 24.02 | -4.6 | 17.27 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | QPSK  | 23.59 | -4.6 | 16.84 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | QPSK  | 22.69 | -4.6 | 15.94 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 22.71 | -4.6 | 15.96 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | QPSK  | 22.64 | -4.6 | 15.89 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | QPSK  | 22.71 | -4.6 | 15.96 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | 16QAM | 22.84 | -4.6 | 16.09 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | 16QAM | 23.31 | -4.6 | 16.56 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | 16QAM | 22.94 | -4.6 | 16.19 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | 16QAM | 21.62 | -4.6 | 14.87 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | 16QAM | 21.69 | -4.6 | 14.94 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | 16QAM | 21.62 | -4.6 | 14.87 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | 16QAM | 21.72 | -4.6 | 14.97 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | QPSK  | 23.52 | -4.6 | 16.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 23.70 | -4.6 | 16.95 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | QPSK  | 23.56 | -4.6 | 16.81 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | QPSK  | 22.69 | -4.6 | 15.94 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 22.74 | -4.6 | 15.99 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | QPSK  | 22.70 | -4.6 | 15.95 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | QPSK  | 22.67 | -4.6 | 15.92 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | 16QAM | 22.86 | -4.6 | 16.11 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | 16QAM | 23.29 | -4.6 | 16.54 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | 16QAM | 22.91 | -4.6 | 16.16 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | 16QAM | 21.75 | -4.6 | 15.00 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | 16QAM | 21.80 | -4.6 | 15.05 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | 16QAM | 21.75 | -4.6 | 15.00 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | 16QAM | 21.71 | -4.6 | 14.96 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | QPSK  | 23.55 | -4.6 | 16.80 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 23.97 | -4.6 | 17.22 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | QPSK  | 23.59 | -4.6 | 16.84 | PASS |
| Band12 | 5 | 23155 | 12 | #0   | QPSK  | 22.67 | -4.6 | 15.92 | PASS |
| Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 22.75 | -4.6 | 16.00 | PASS |
| Band12 | 5 | 23155 | 12 | #Max | QPSK  | 22.62 | -4.6 | 15.87 | PASS |
| Band12 | 5 | 23155 | 25 | #0   | QPSK  | 22.69 | -4.6 | 15.94 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | 16QAM | 23.06 | -4.6 | 16.31 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | 16QAM | 23.42 | -4.6 | 16.67 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | 16QAM | 23.00 | -4.6 | 16.25 | PASS |

|        |    |       |    |      |       |       |      |       |      |
|--------|----|-------|----|------|-------|-------|------|-------|------|
| Band12 | 5  | 23155 | 12 | #0   | 16QAM | 21.64 | -4.6 | 14.89 | PASS |
| Band12 | 5  | 23155 | 12 | #Mid | 16QAM | 21.72 | -4.6 | 14.97 | PASS |
| Band12 | 5  | 23155 | 12 | #Max | 16QAM | 21.64 | -4.6 | 14.89 | PASS |
| Band12 | 5  | 23155 | 25 | #0   | 16QAM | 21.67 | -4.6 | 14.92 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | QPSK  | 23.64 | -4.6 | 16.89 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 23.81 | -4.6 | 17.06 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | QPSK  | 23.66 | -4.6 | 16.91 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | QPSK  | 22.73 | -4.6 | 15.98 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 22.67 | -4.6 | 15.92 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | QPSK  | 22.74 | -4.6 | 15.99 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | QPSK  | 22.74 | -4.6 | 15.99 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | 16QAM | 22.82 | -4.6 | 16.07 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | 16QAM | 22.99 | -4.6 | 16.24 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | 16QAM | 22.86 | -4.6 | 16.11 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | 16QAM | 21.74 | -4.6 | 14.99 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | 16QAM | 21.68 | -4.6 | 14.93 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | 16QAM | 21.77 | -4.6 | 15.02 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | 16QAM | 21.80 | -4.6 | 15.05 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | QPSK  | 23.71 | -4.6 | 16.96 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 23.85 | -4.6 | 17.10 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | QPSK  | 23.75 | -4.6 | 17.00 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | QPSK  | 22.71 | -4.6 | 15.96 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 22.68 | -4.6 | 15.93 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | QPSK  | 22.77 | -4.6 | 16.02 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | QPSK  | 22.74 | -4.6 | 15.99 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | 16QAM | 22.53 | -4.6 | 15.78 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | 16QAM | 22.68 | -4.6 | 15.93 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | 16QAM | 22.51 | -4.6 | 15.76 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | 16QAM | 21.74 | -4.6 | 14.99 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | 16QAM | 21.72 | -4.6 | 14.97 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | 16QAM | 21.76 | -4.6 | 15.01 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | 16QAM | 21.73 | -4.6 | 14.98 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | QPSK  | 23.65 | -4.6 | 16.90 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 23.74 | -4.6 | 16.99 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | QPSK  | 23.63 | -4.6 | 16.88 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | QPSK  | 22.79 | -4.6 | 16.04 | PASS |
| Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 22.77 | -4.6 | 16.02 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | QPSK  | 22.68 | -4.6 | 15.93 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | QPSK  | 22.70 | -4.6 | 15.95 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | 16QAM | 23.09 | -4.6 | 16.34 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | 16QAM | 23.16 | -4.6 | 16.41 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | 16QAM | 22.97 | -4.6 | 16.22 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | 16QAM | 21.82 | -4.6 | 15.07 | PASS |

|        |    |       |    |      |       |       |      |       |      |
|--------|----|-------|----|------|-------|-------|------|-------|------|
| Band12 | 10 | 23130 | 25 | #Mid | 16QAM | 21.81 | -4.6 | 15.06 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | 16QAM | 21.73 | -4.6 | 14.98 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | 16QAM | 21.77 | -4.6 | 15.02 | 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                | -9.93          | -0.014          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | NV               | NT                | -12.16         | -0.017          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | HV               | NT                | -12.19         | -0.017          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | LV               | NT                | -12.76         | -0.018          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | NV               | NT                | -10.26         | -0.015          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | HV               | NT                | -9.77          | -0.014          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | LV               | NT                | -6.17          | -0.009          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | NV               | NT                | -3.20          | -0.005          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | HV               | NT                | -3.98          | -0.006          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | LV               | NT                | -4.26          | -0.006          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | NV               | NT                | -3.38          | -0.005          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | HV               | NT                | -4.42          | -0.006          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | LV               | NT                | -4.28          | -0.006          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | NV               | NT                | -2.68          | -0.004          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | HV               | NT                | -4.16          | -0.006          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | LV               | NT                | -6.25          | -0.009          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | NV               | NT                | -7.60          | -0.011          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | HV               | NT                | -5.97          | -0.008          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | LV               | NT                | -6.72          | -0.010          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | NV               | NT                | -7.90          | -0.011          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | HV               | NT                | -6.44          | -0.009          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | LV               | NT                | -5.68          | -0.008          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | NV               | NT                | -5.25          | -0.007          | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | HV               | NT                | -4.62          | -0.007          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | LV               | NT                | -3.12          | -0.004          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | NV               | NT                | -3.55          | -0.005          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | HV               | NT                | -3.46          | -0.005          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | LV               | NT                | -7.41          | -0.010          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | NV               | NT                | -7.51          | -0.011          | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | HV               | NT                | -7.27          | -0.010          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | LV               | NT                | -2.25          | -0.003          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | NV               | NT                | -2.85          | -0.004          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | HV               | NT                | -2.69          | -0.004          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | LV               | NT                | -2.90          | -0.004          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | NV               | NT                | -5.09          | -0.007          | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | HV               | NT                | -5.49          | -0.008          | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | LV               | NT                | -9.86          | -0.014          | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | NV               | NT                | -9.07          | -0.013          | PASS    |

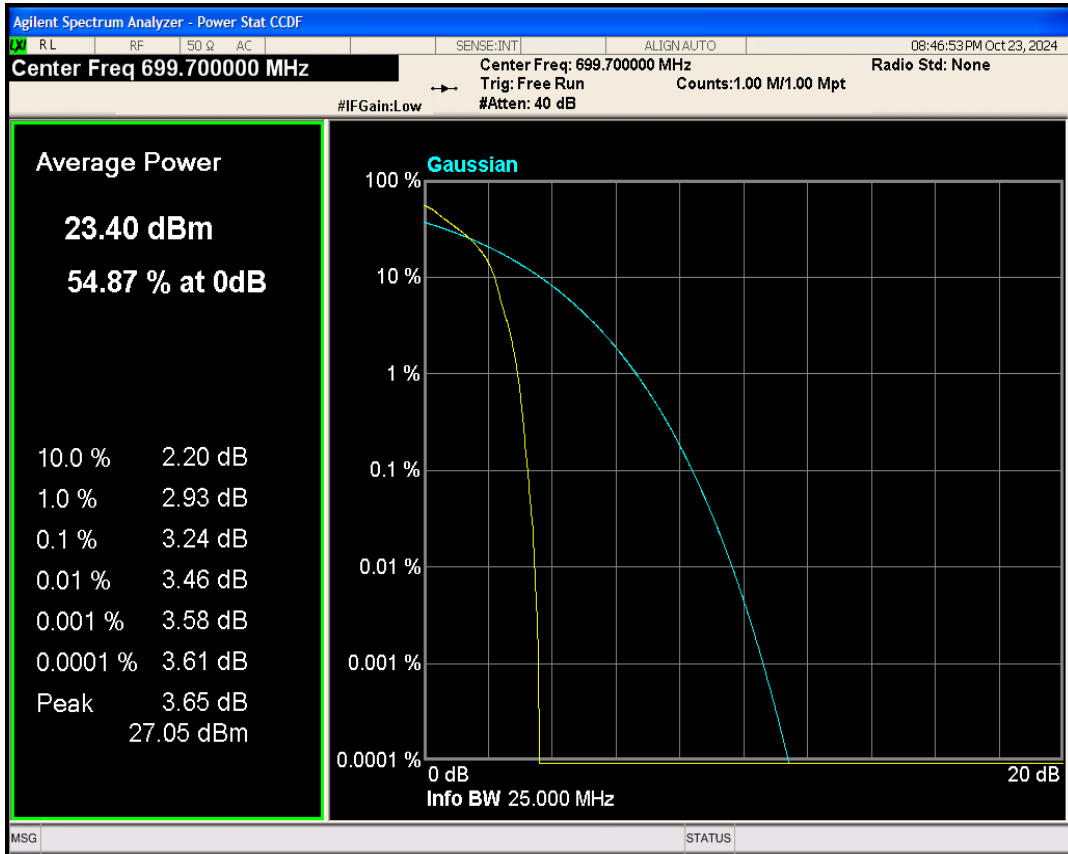


|        |    |       |    |    |       |    |    |        |        |      |
|--------|----|-------|----|----|-------|----|----|--------|--------|------|
| Band12 | 5  | 23035 | 25 | #0 | QPSK  | HV | NT | -9.10  | -0.013 | PASS |
| Band12 | 5  | 23035 | 25 | #0 | 16QAM | LV | NT | -5.68  | -0.008 | PASS |
| Band12 | 5  | 23035 | 25 | #0 | 16QAM | NV | NT | -6.87  | -0.010 | PASS |
| Band12 | 5  | 23035 | 25 | #0 | 16QAM | HV | NT | -7.22  | -0.010 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | QPSK  | LV | NT | -8.57  | -0.012 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | QPSK  | NV | NT | -7.88  | -0.011 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | QPSK  | HV | NT | -7.32  | -0.010 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | LV | NT | -7.67  | -0.011 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | NV | NT | -6.85  | -0.010 | PASS |
| Band12 | 5  | 23095 | 25 | #0 | 16QAM | HV | NT | -6.58  | -0.009 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | LV | NT | -5.75  | -0.008 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | NV | NT | -9.24  | -0.013 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | QPSK  | HV | NT | -5.51  | -0.008 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | LV | NT | -8.97  | -0.013 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | NV | NT | -5.41  | -0.008 | PASS |
| Band12 | 5  | 23155 | 25 | #0 | 16QAM | HV | NT | -5.02  | -0.007 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | LV | NT | -10.17 | -0.014 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | NV | NT | -7.97  | -0.011 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QPSK  | HV | NT | -7.55  | -0.011 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | LV | NT | -7.34  | -0.010 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | NV | NT | -5.18  | -0.007 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | 16QAM | HV | NT | -7.21  | -0.010 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | LV | NT | -8.38  | -0.012 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | NT | -6.37  | -0.009 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | HV | NT | -7.71  | -0.011 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | LV | NT | -6.17  | -0.009 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | NV | NT | -8.31  | -0.012 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | 16QAM | HV | NT | -4.98  | -0.007 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | LV | NT | -4.53  | -0.006 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | NT | -6.31  | -0.009 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | HV | NT | -6.68  | -0.009 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | LV | NT | -7.65  | -0.011 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | NV | NT | -4.11  | -0.006 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | 16QAM | HV | NT | -5.92  | -0.008 | PASS |

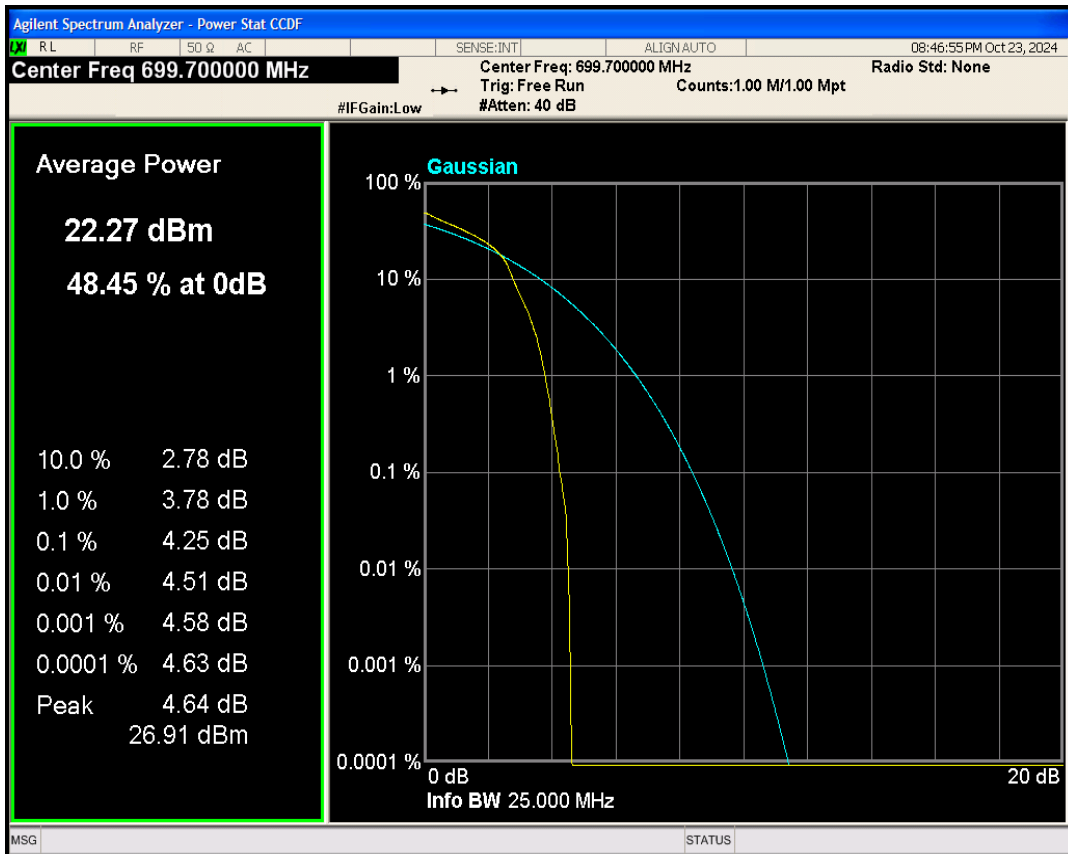
### Appendix 3. Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band12 | 1.4             | 23017      | 1       | #0          | QPSK       | 3.24        | 13              | PASS    |
| Band12 | 1.4             | 23017      | 1       | #0          | 16QAM      | 4.25        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 3.78        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | 16QAM      | 4.55        | 13              | PASS    |
| Band12 | 1.4             | 23173      | 1       | #0          | QPSK       | 3.93        | 13              | PASS    |
| Band12 | 1.4             | 23173      | 1       | #0          | 16QAM      | 4.79        | 13              | PASS    |
| Band12 | 3               | 23025      | 1       | #0          | QPSK       | 3.28        | 13              | PASS    |
| Band12 | 3               | 23025      | 1       | #0          | 16QAM      | 4.16        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | QPSK       | 4.11        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | 16QAM      | 4.94        | 13              | PASS    |
| Band12 | 3               | 23165      | 1       | #0          | QPSK       | 4.36        | 13              | PASS    |
| Band12 | 3               | 23165      | 1       | #0          | 16QAM      | 5.01        | 13              | PASS    |
| Band12 | 5               | 23035      | 1       | #0          | QPSK       | 3.37        | 13              | PASS    |
| Band12 | 5               | 23035      | 1       | #0          | 16QAM      | 4.06        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | QPSK       | 4.40        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | 16QAM      | 5.04        | 13              | PASS    |
| Band12 | 5               | 23155      | 1       | #0          | QPSK       | 4.43        | 13              | PASS    |
| Band12 | 5               | 23155      | 1       | #0          | 16QAM      | 5.06        | 13              | PASS    |
| Band12 | 10              | 23060      | 1       | #0          | QPSK       | 3.16        | 13              | PASS    |
| Band12 | 10              | 23060      | 1       | #0          | 16QAM      | 4.04        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | QPSK       | 4.21        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | 16QAM      | 5.19        | 13              | PASS    |
| Band12 | 10              | 23130      | 1       | #0          | QPSK       | 3.94        | 13              | PASS    |
| Band12 | 10              | 23130      | 1       | #0          | 16QAM      | 4.89        | 13              | PASS    |

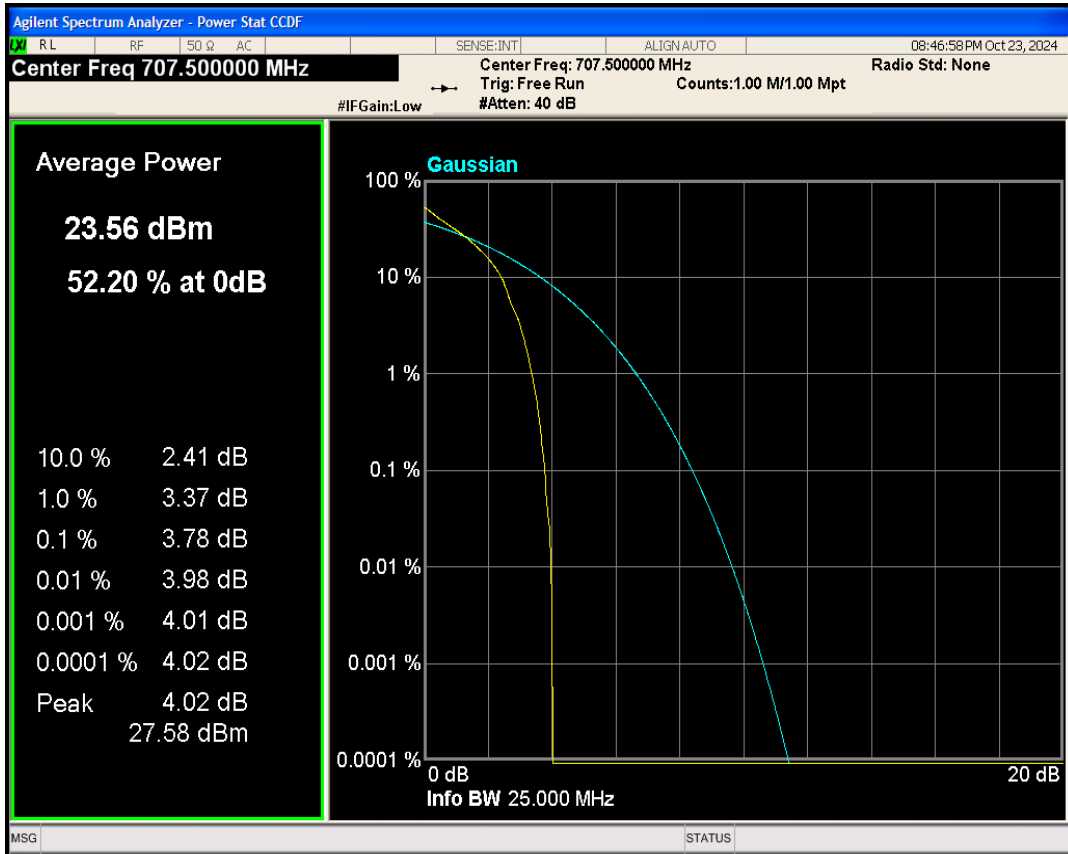
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



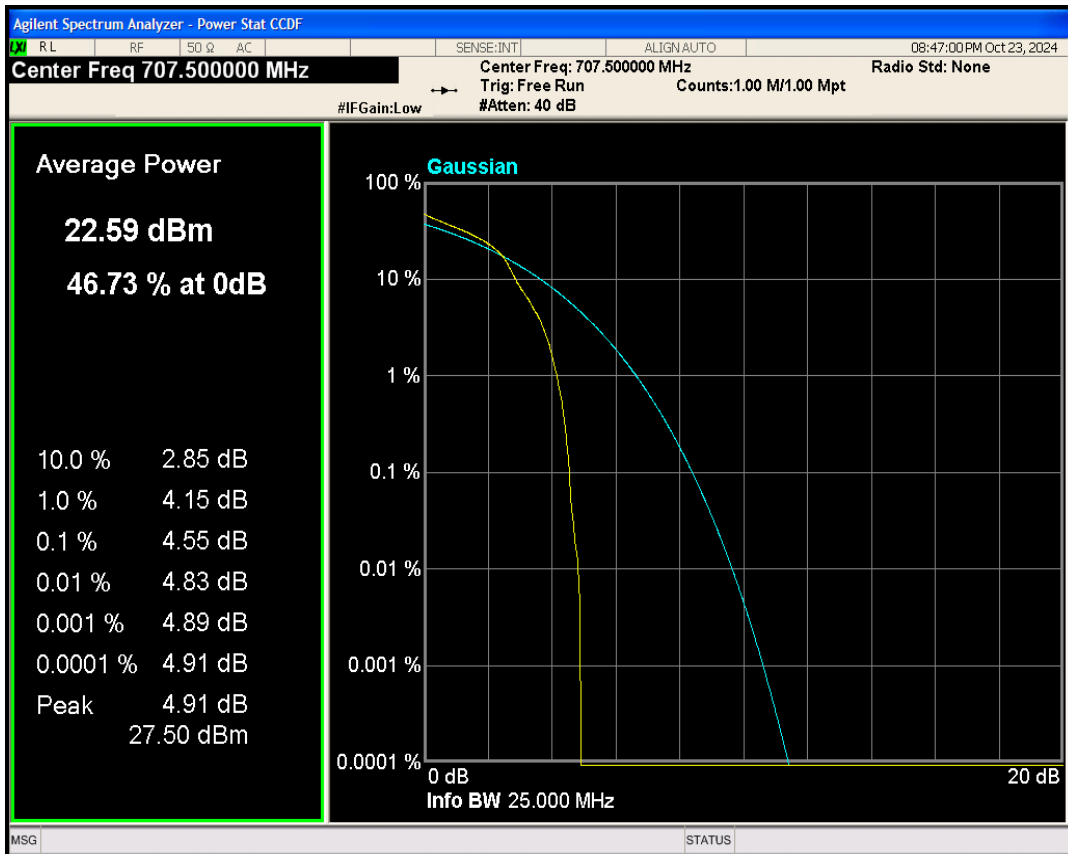
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



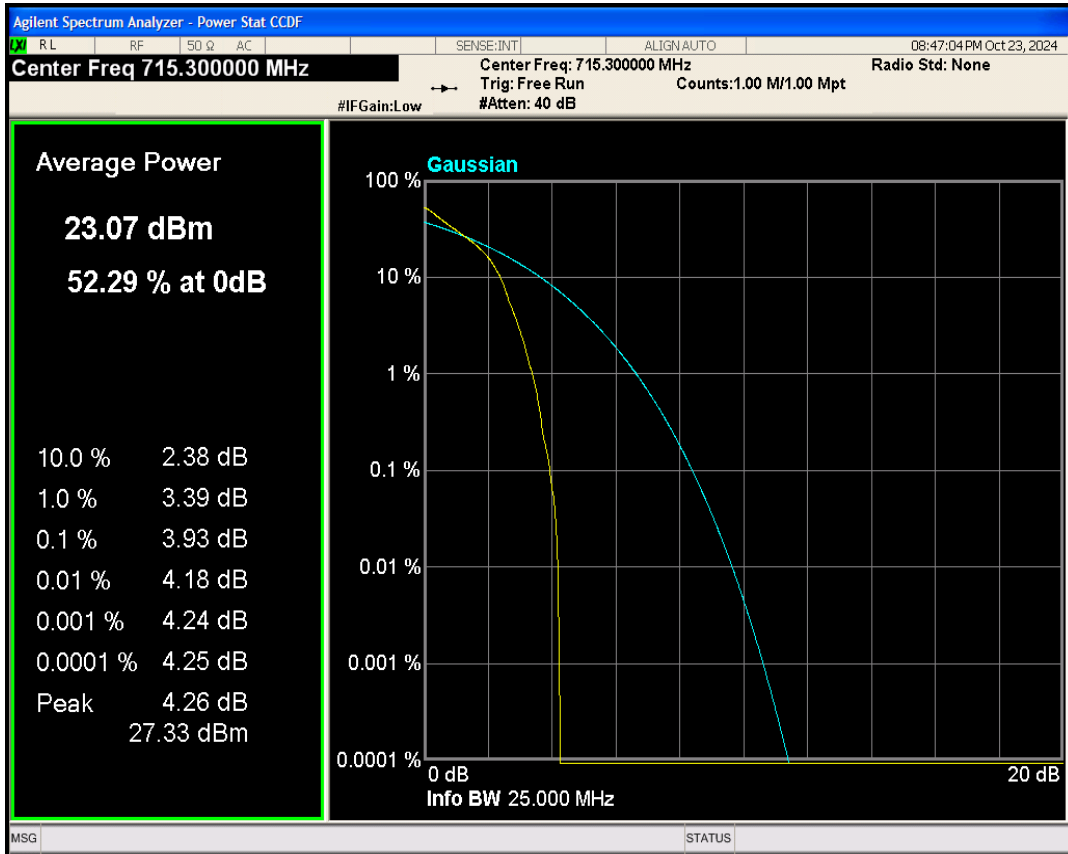
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



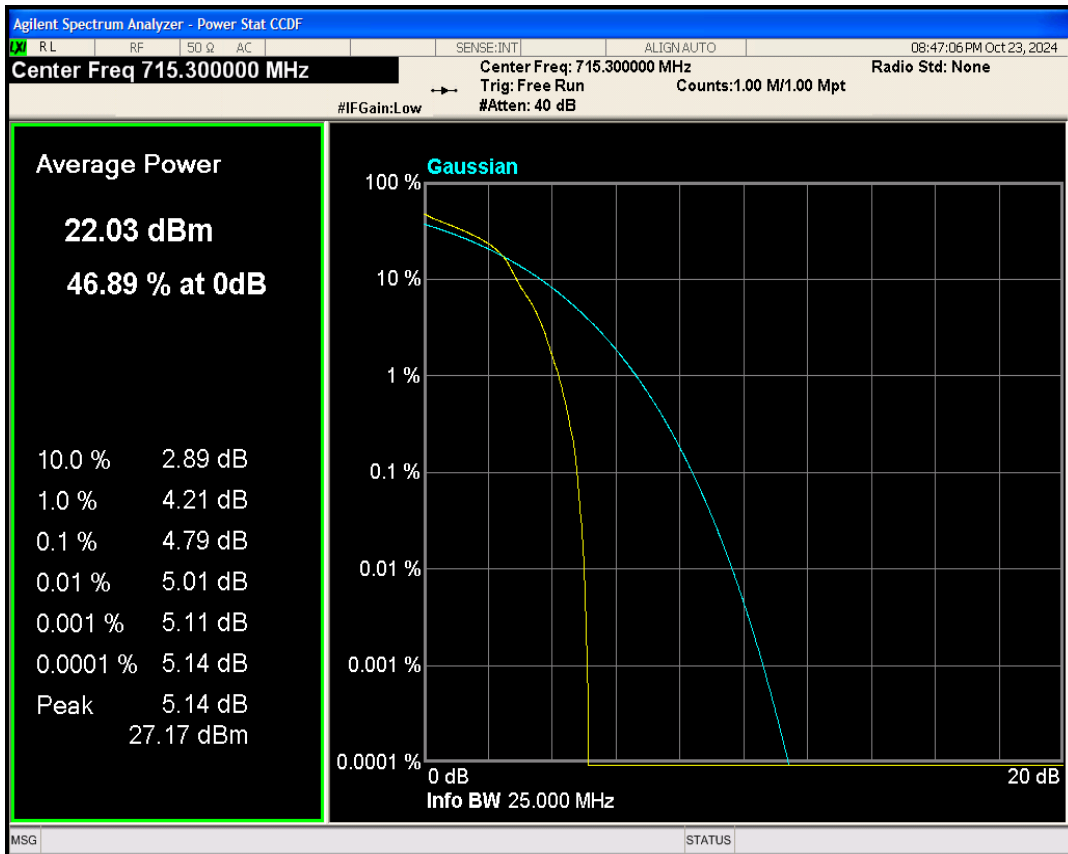
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



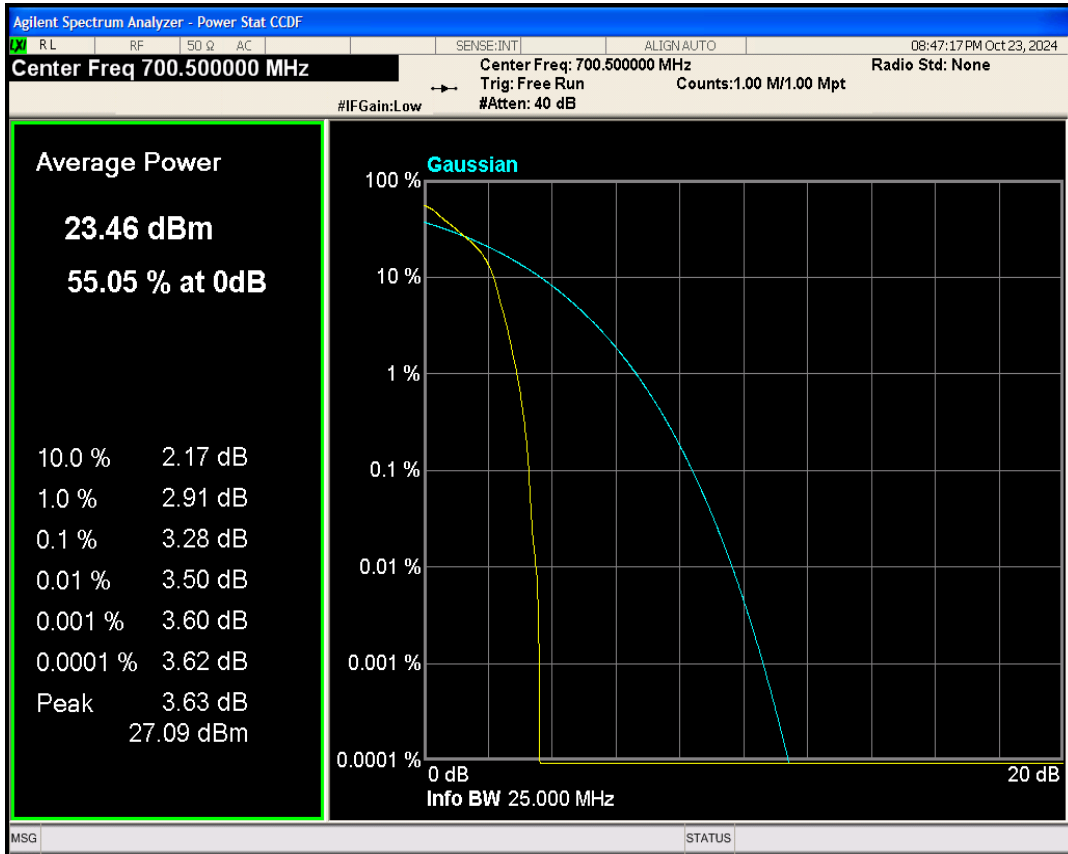
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



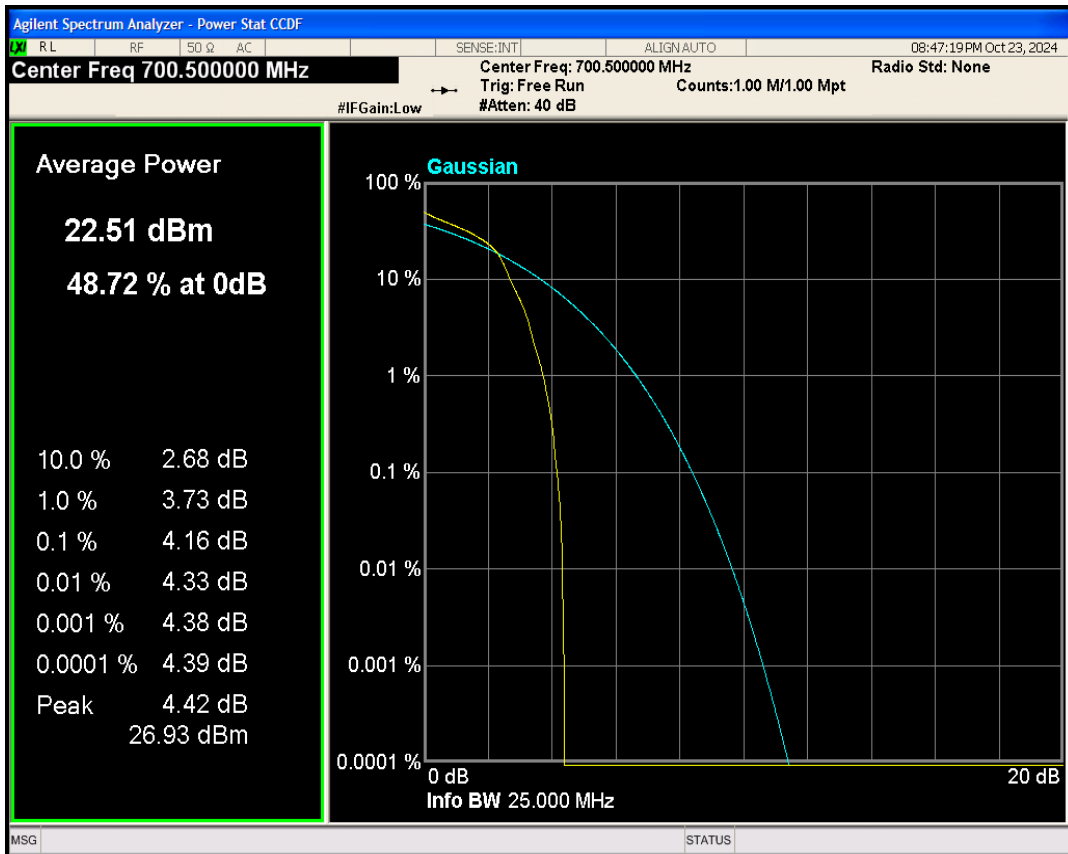
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



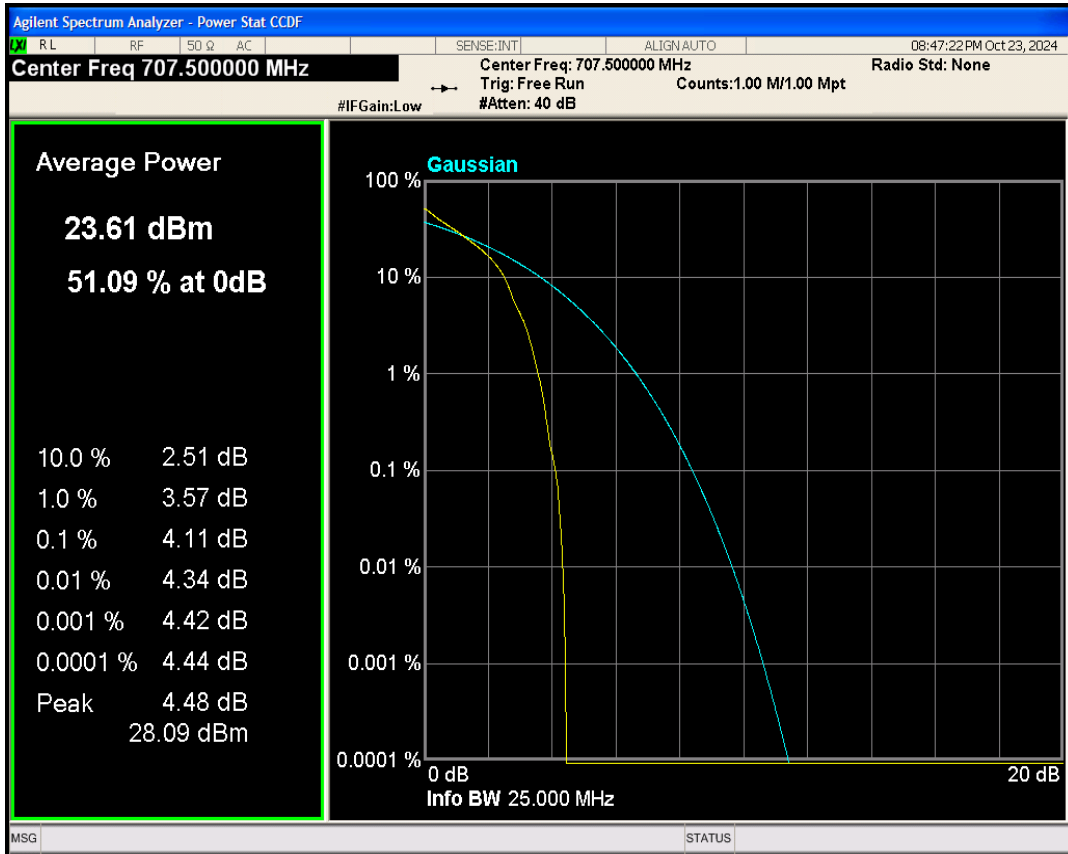
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



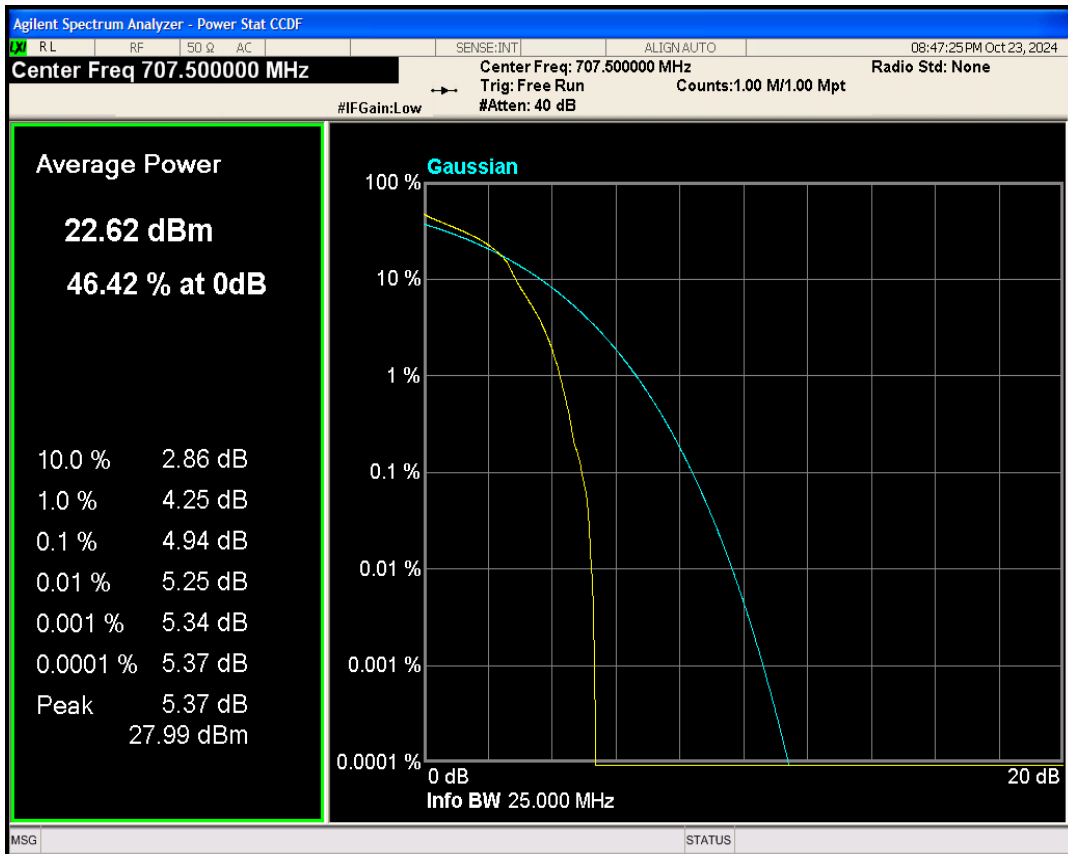
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



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

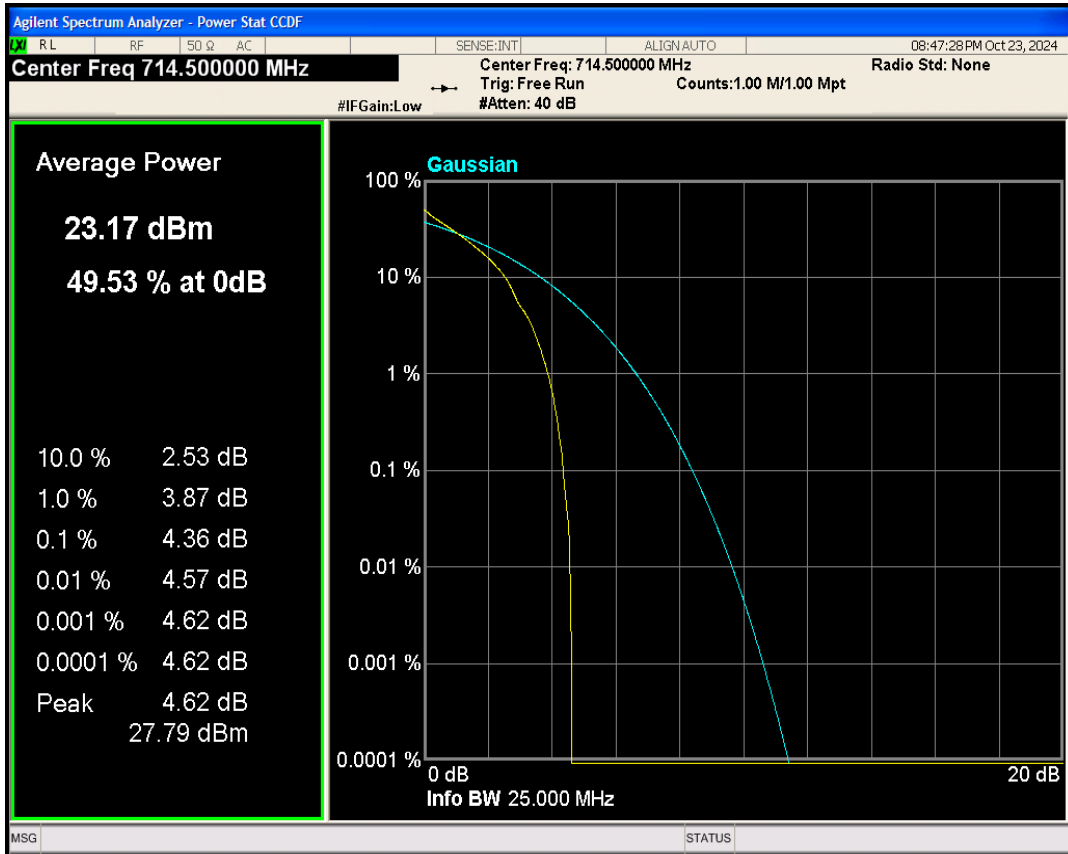


Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0

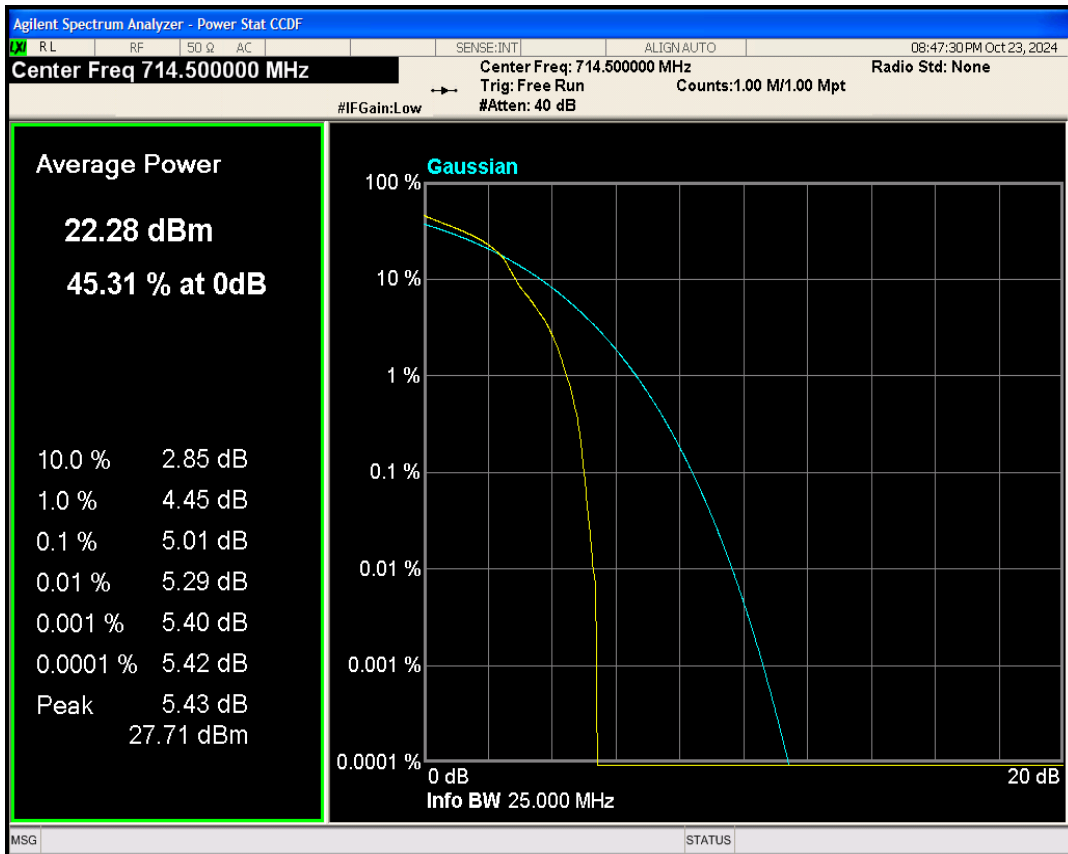


Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0

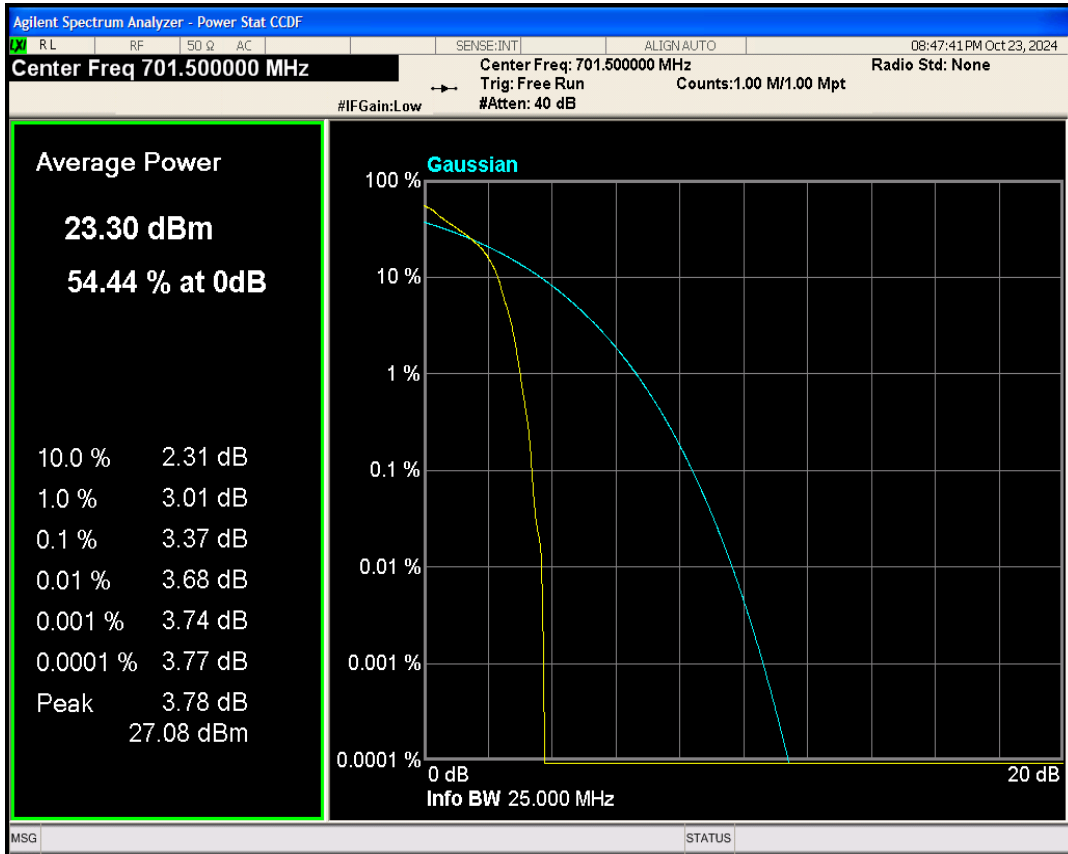




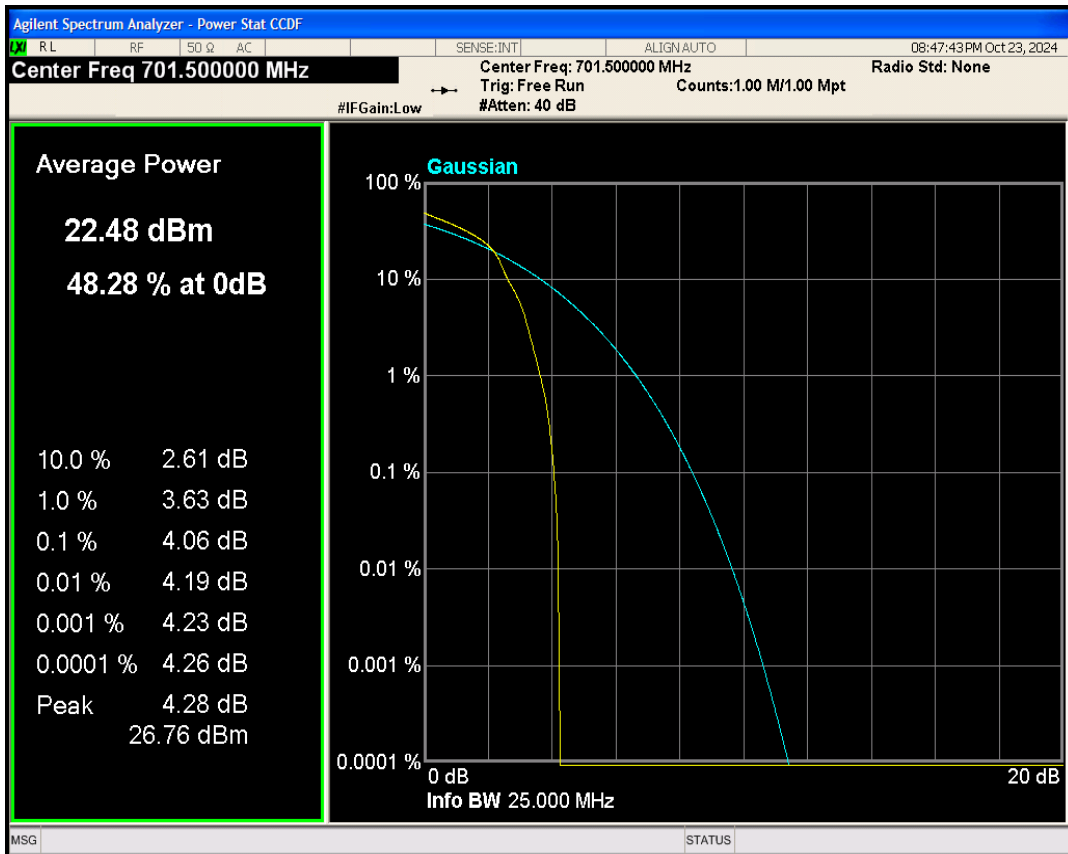
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



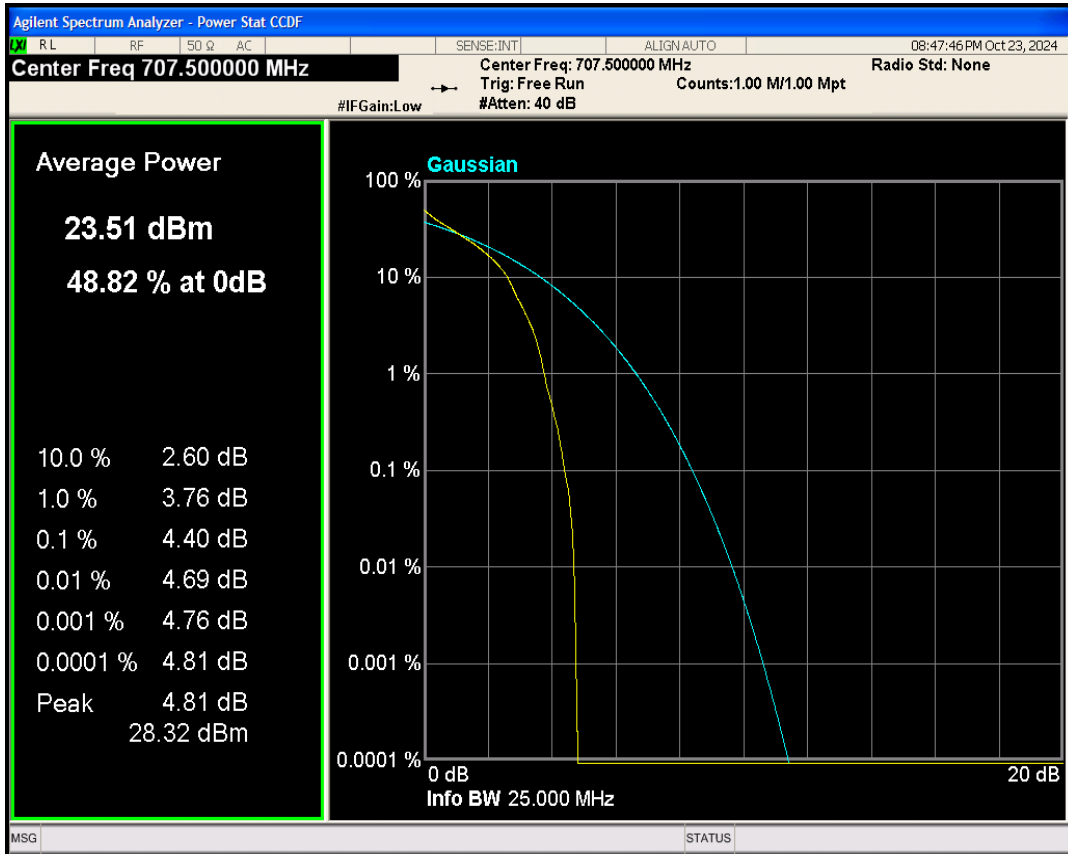
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



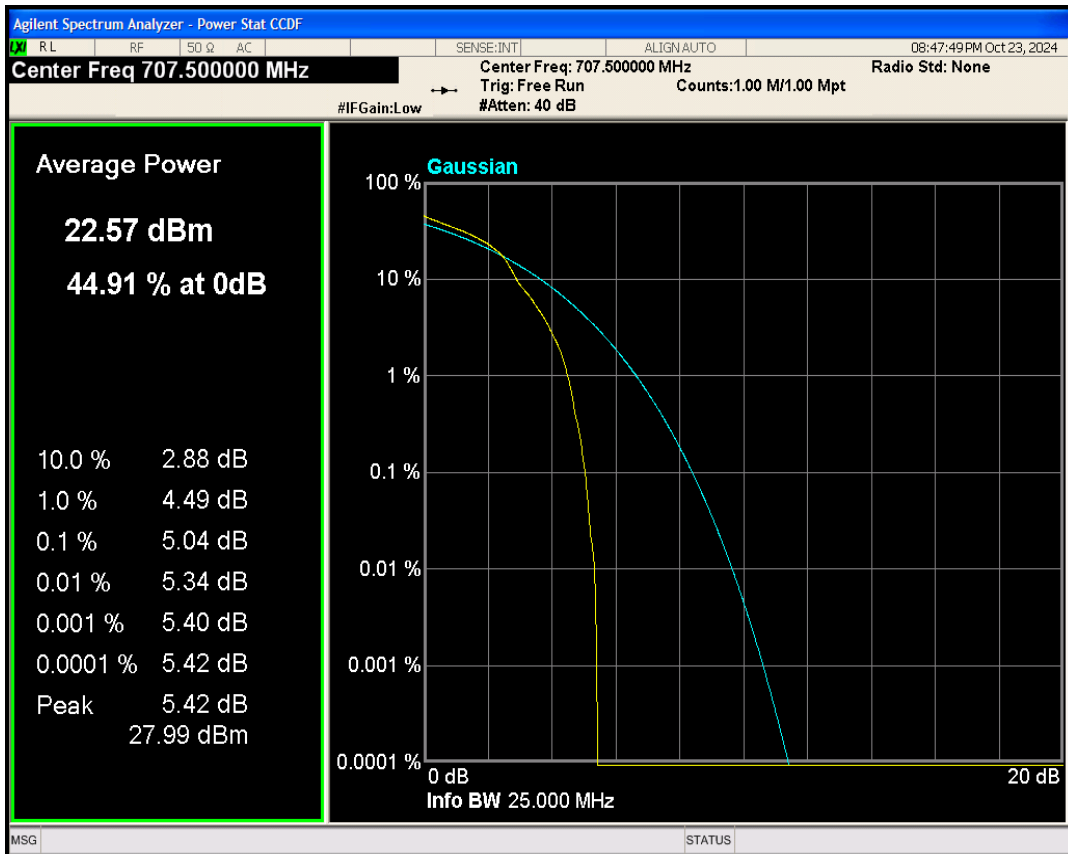
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



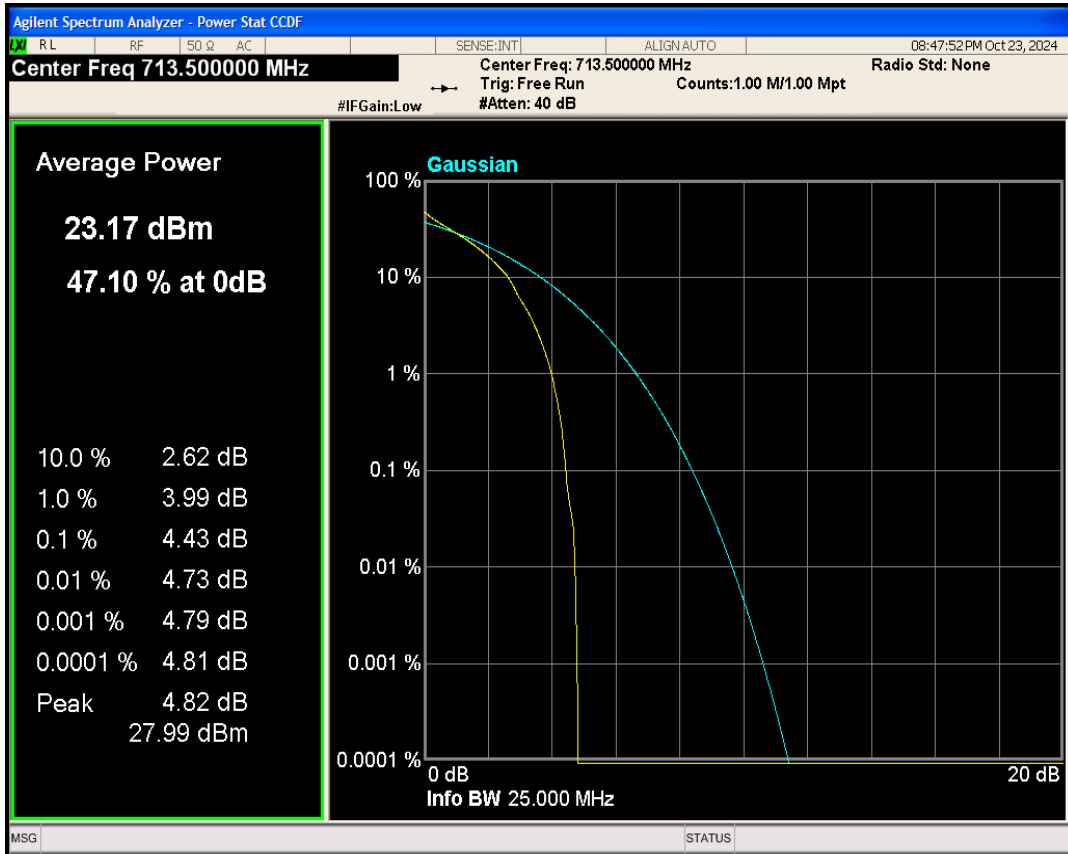
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



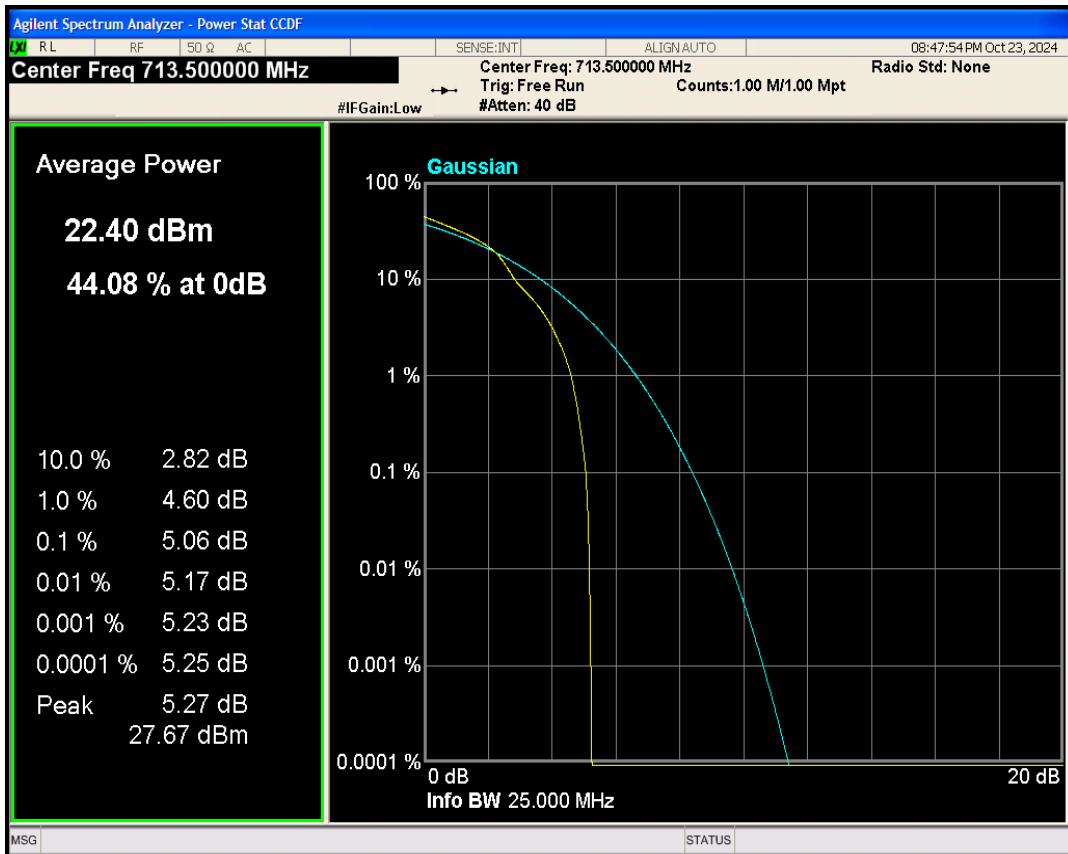
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



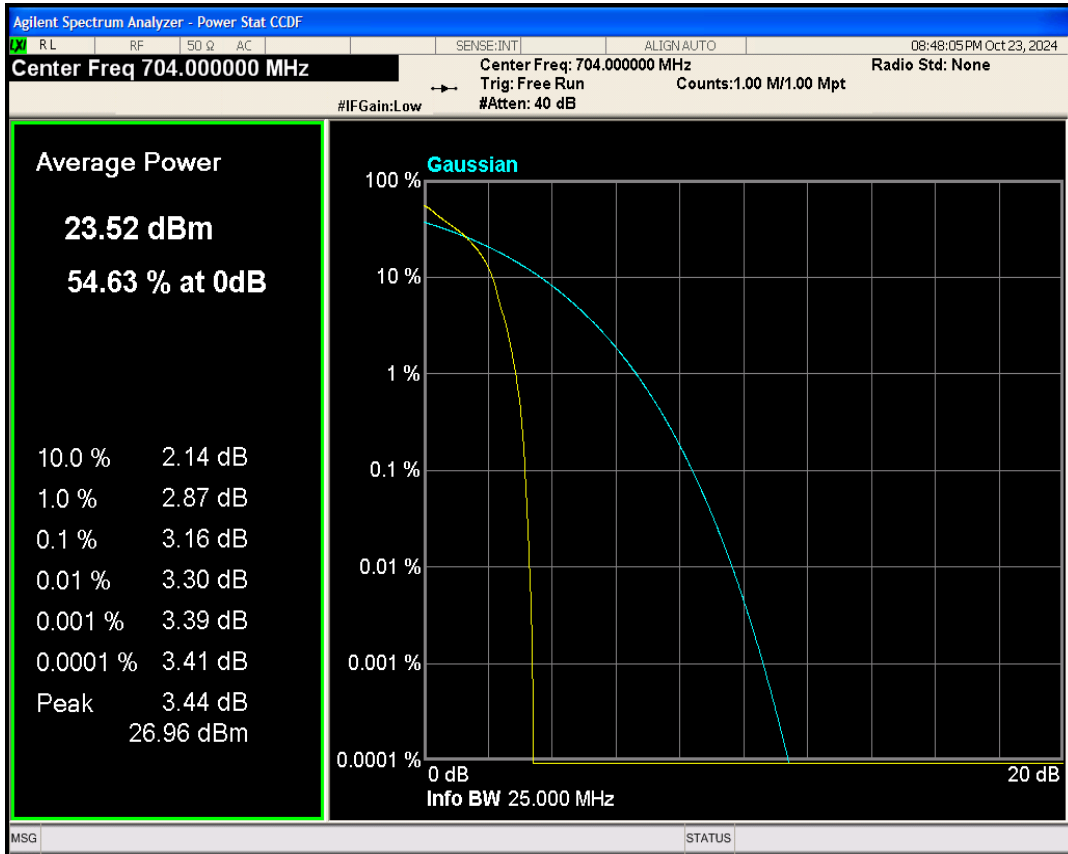
Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



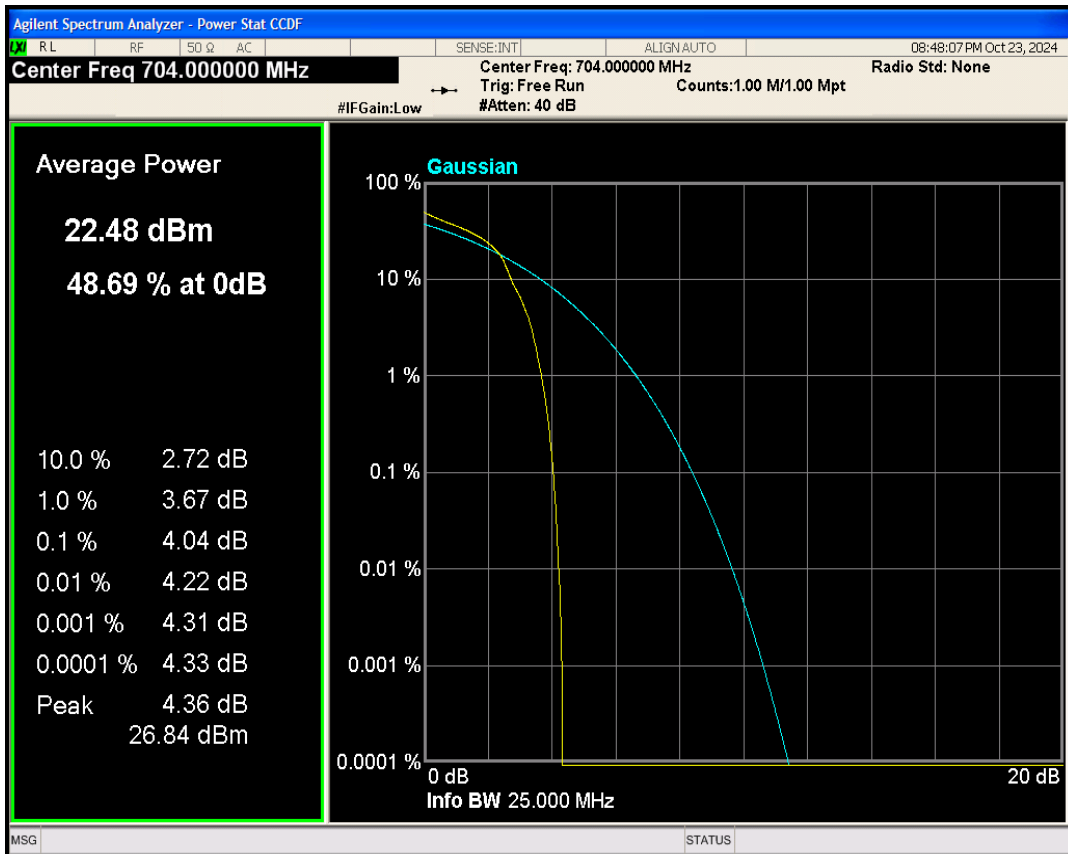
Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



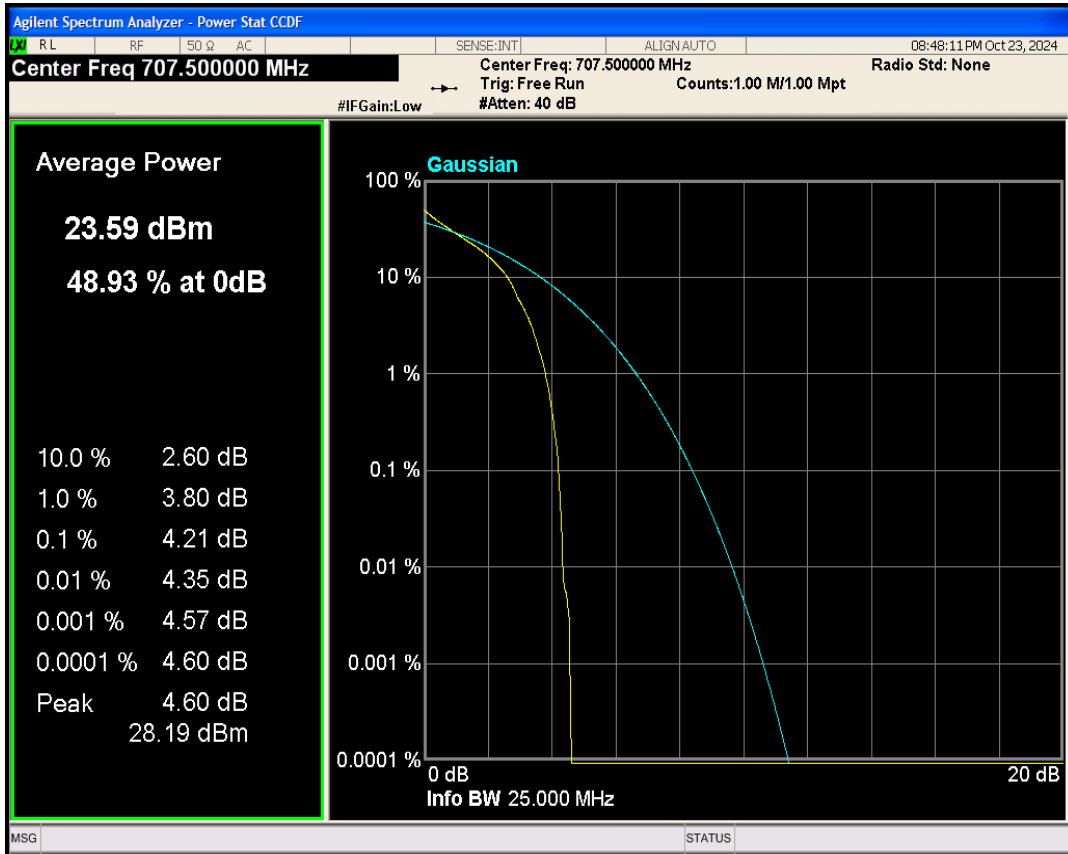
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



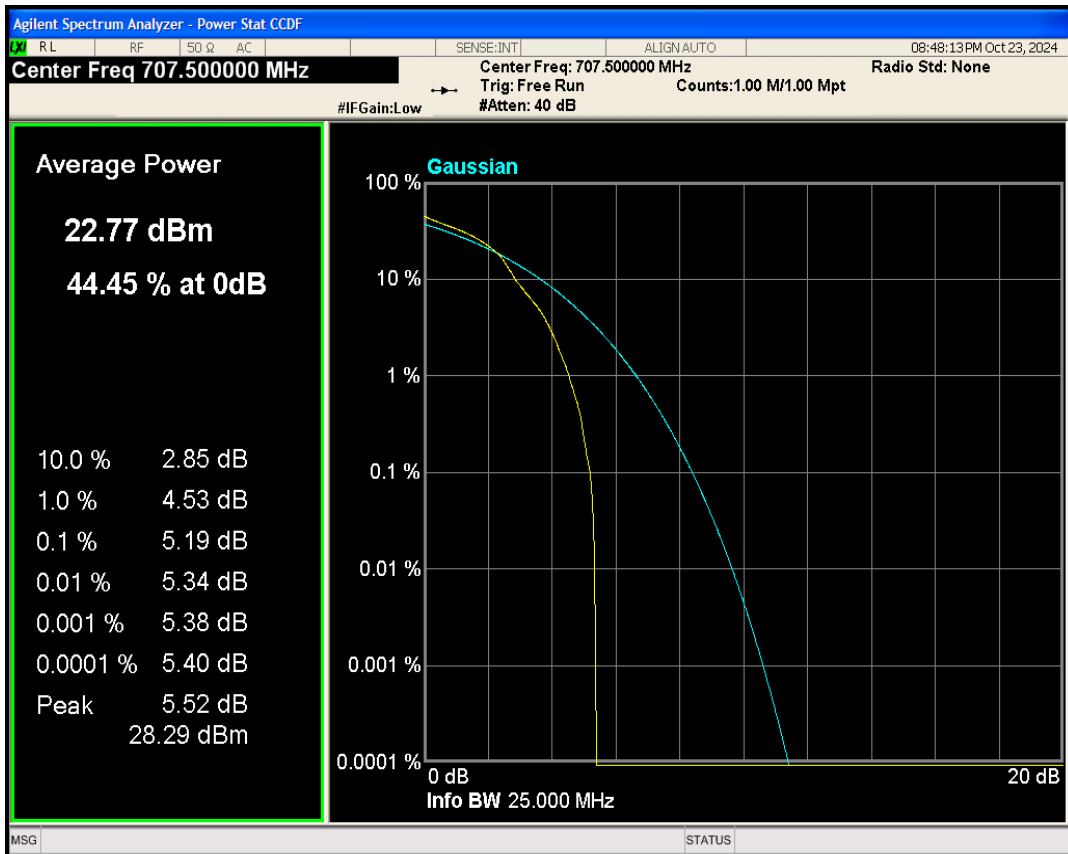
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



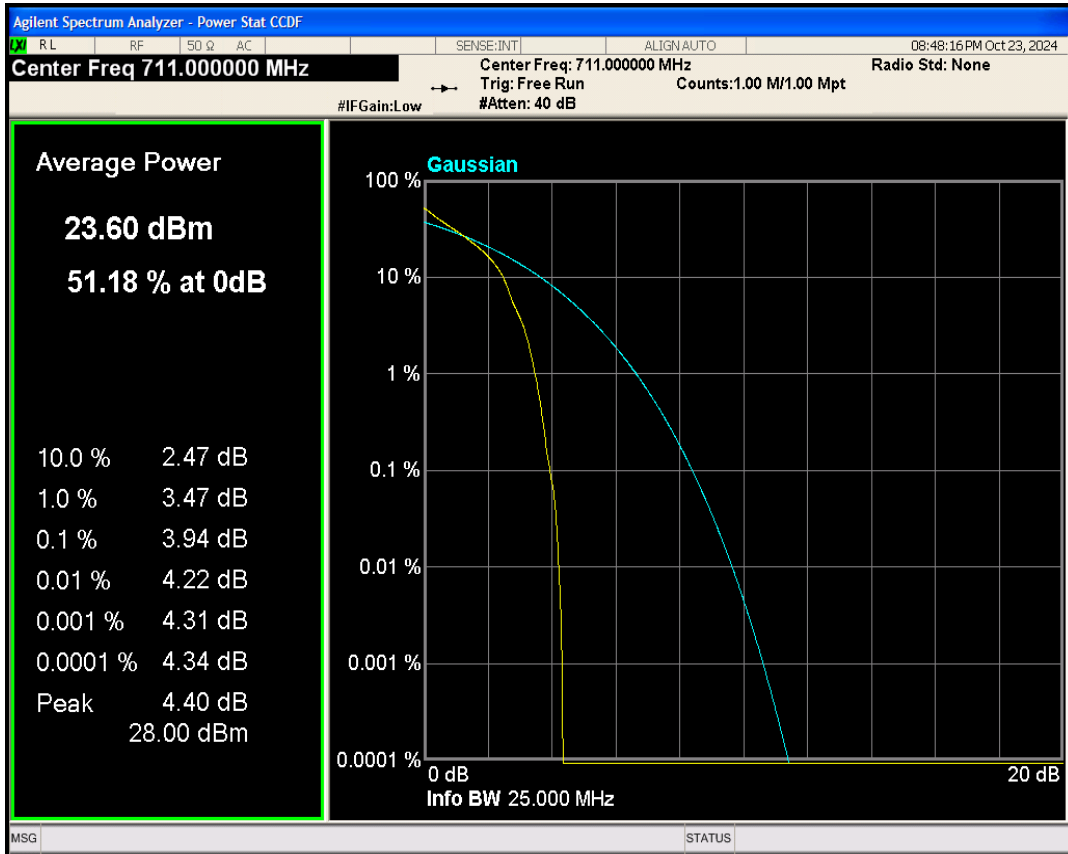
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



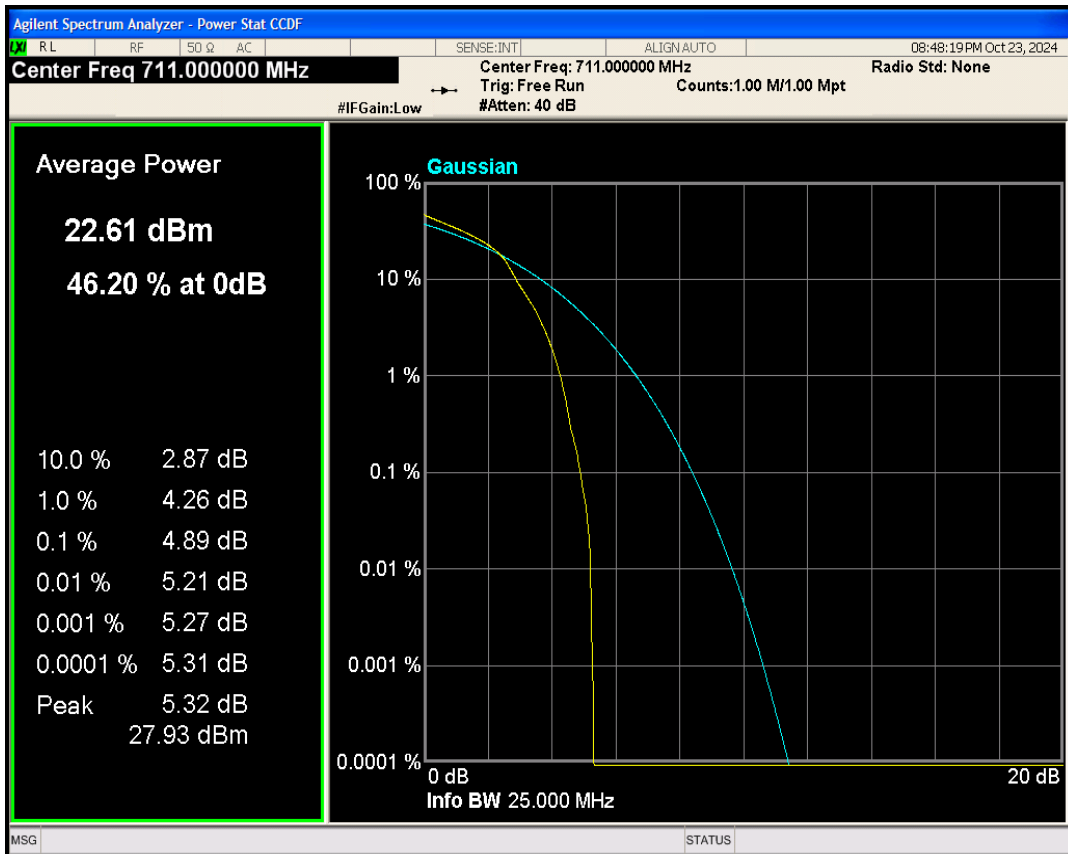
Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



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



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

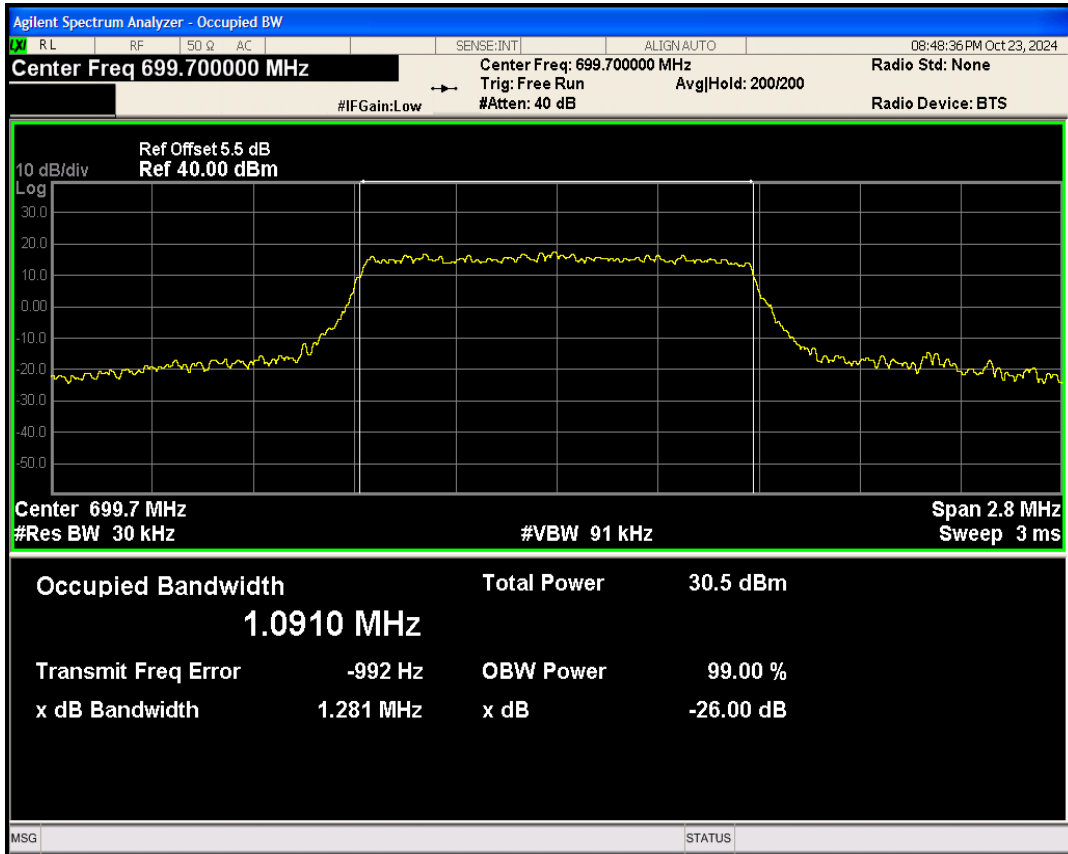


## Appendix 4. Occupied bandwidth

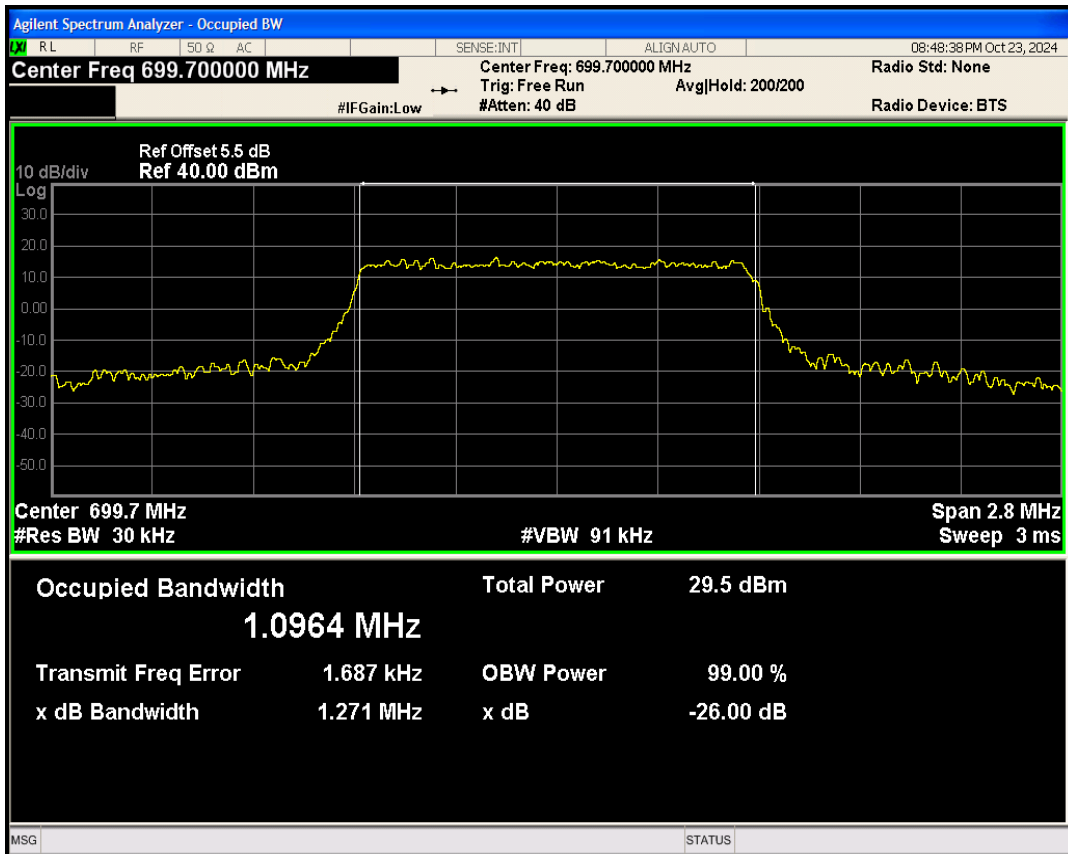
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 1.091         | 1.281           | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 1.096         | 1.271           | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 1.091         | 1.284           | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | 16QAM      | 1.092         | 1.277           | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 1.098         | 1.272           | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | 16QAM      | 1.098         | 1.310           | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 2.690         | 2.922           | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | 16QAM      | 2.680         | 2.914           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QPSK       | 2.689         | 2.937           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | 16QAM      | 2.688         | 2.907           | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 2.694         | 2.914           | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | 16QAM      | 2.690         | 2.934           | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 4.516         | 5.103           | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | 16QAM      | 4.531         | 5.067           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QPSK       | 4.522         | 5.110           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | 16QAM      | 4.511         | 5.138           | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 4.519         | 5.110           | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | 16QAM      | 4.554         | 5.110           | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 9.031         | 10.086          | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | 16QAM      | 9.038         | 10.058          | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QPSK       | 8.989         | 10.089          | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | 16QAM      | 8.992         | 9.831           | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 9.004         | 9.939           | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | 16QAM      | 8.998         | 10.107          | PASS    |

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

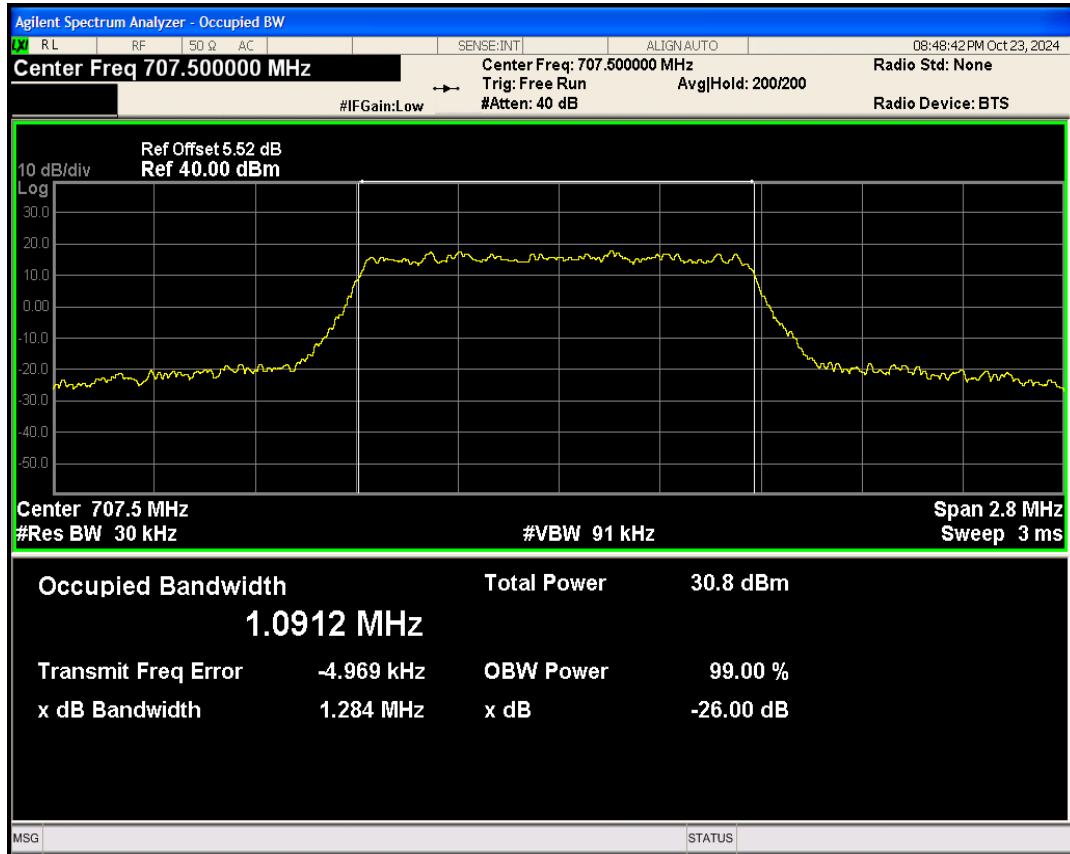




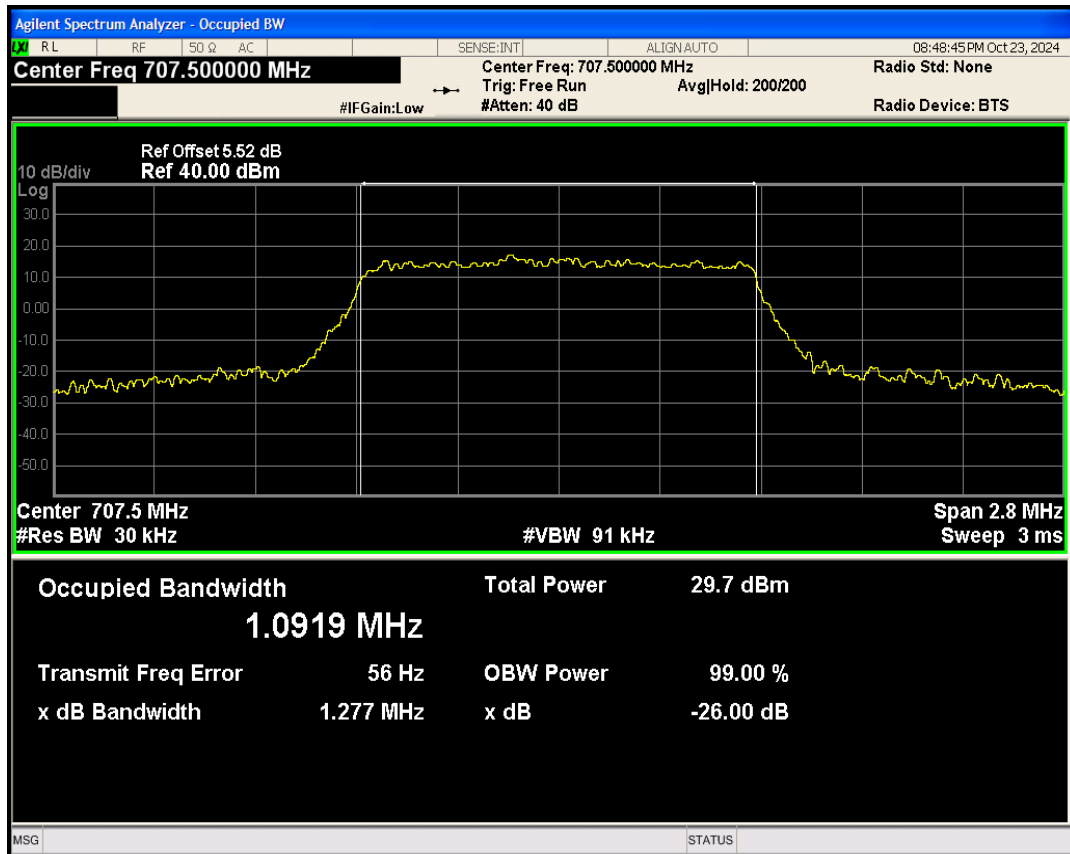
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



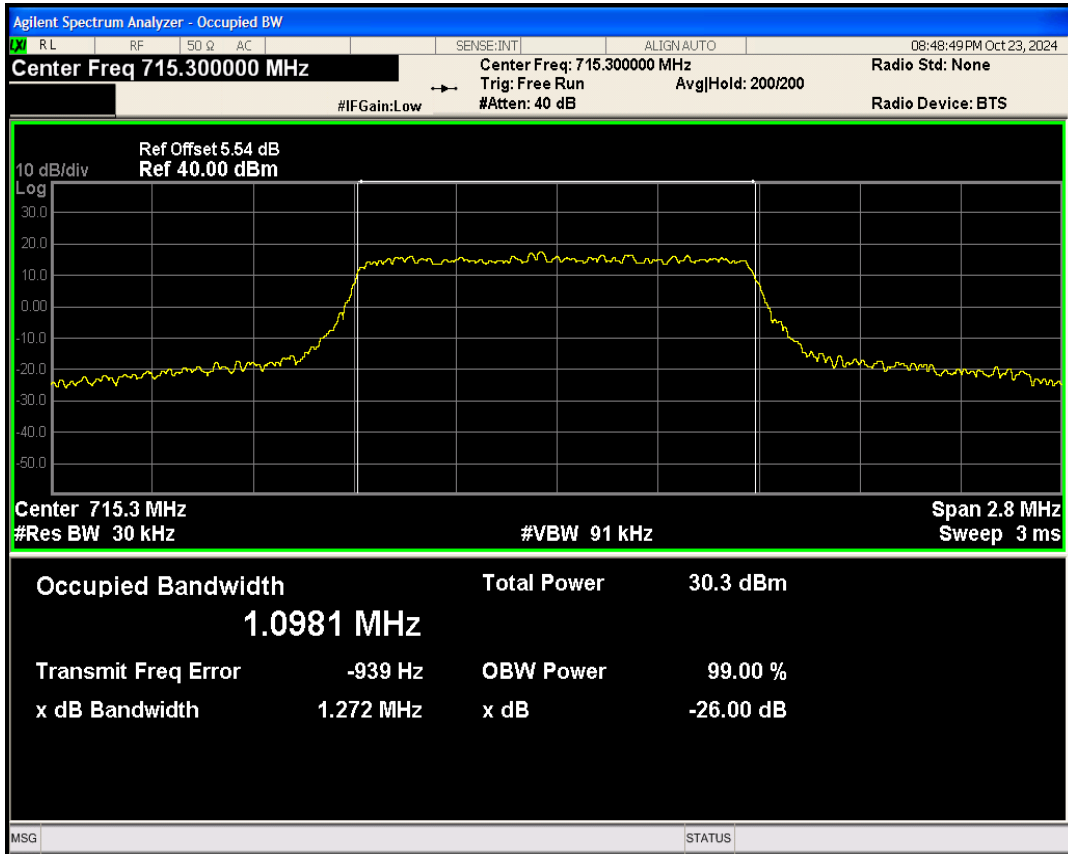
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



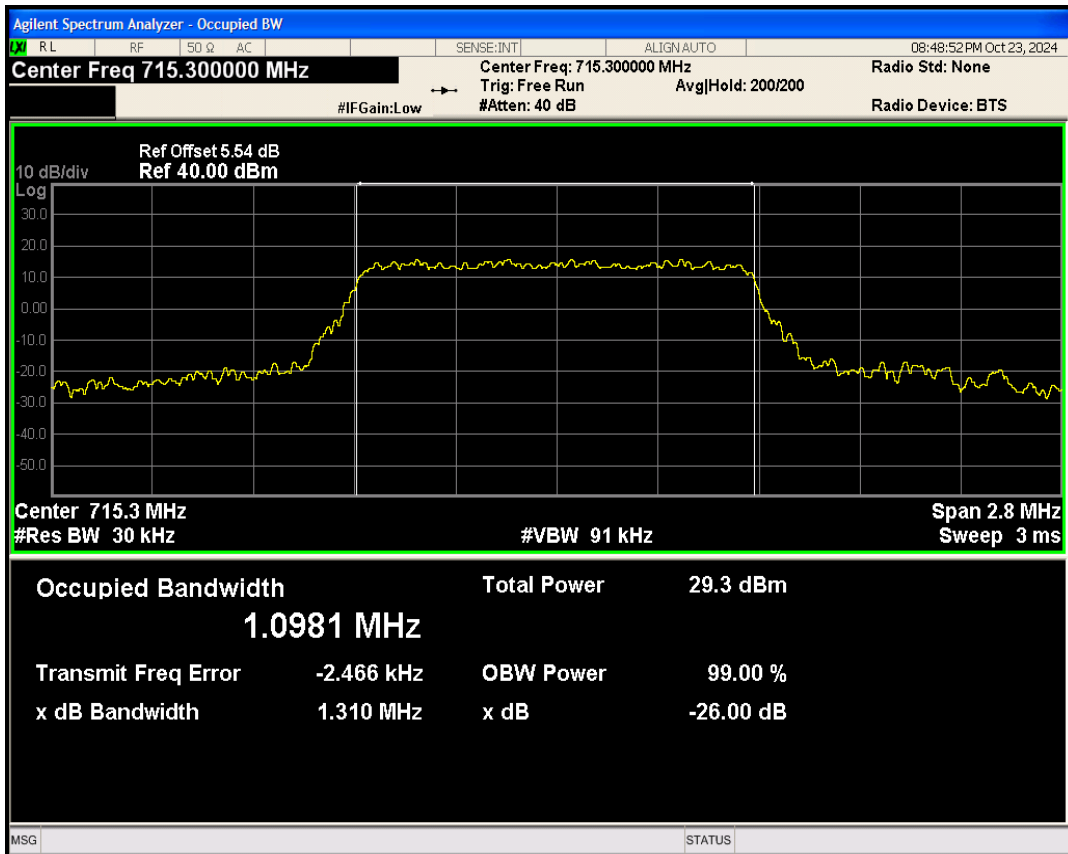
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



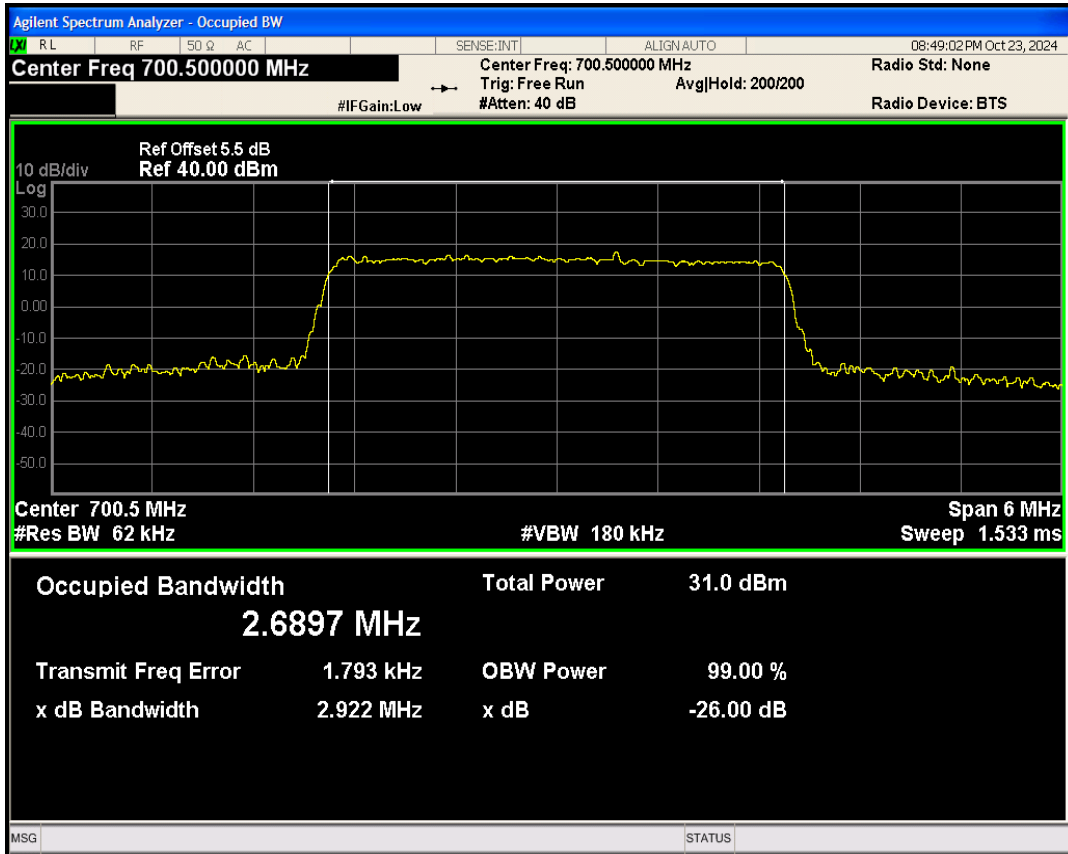
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



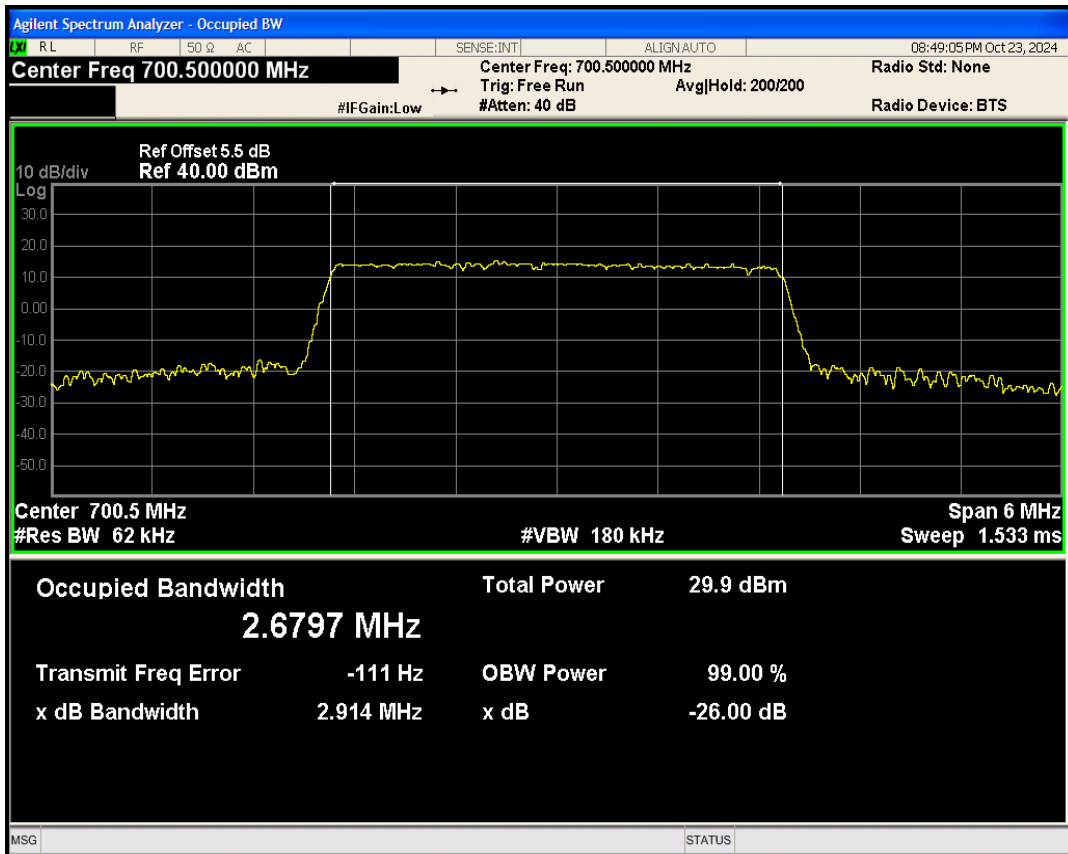
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



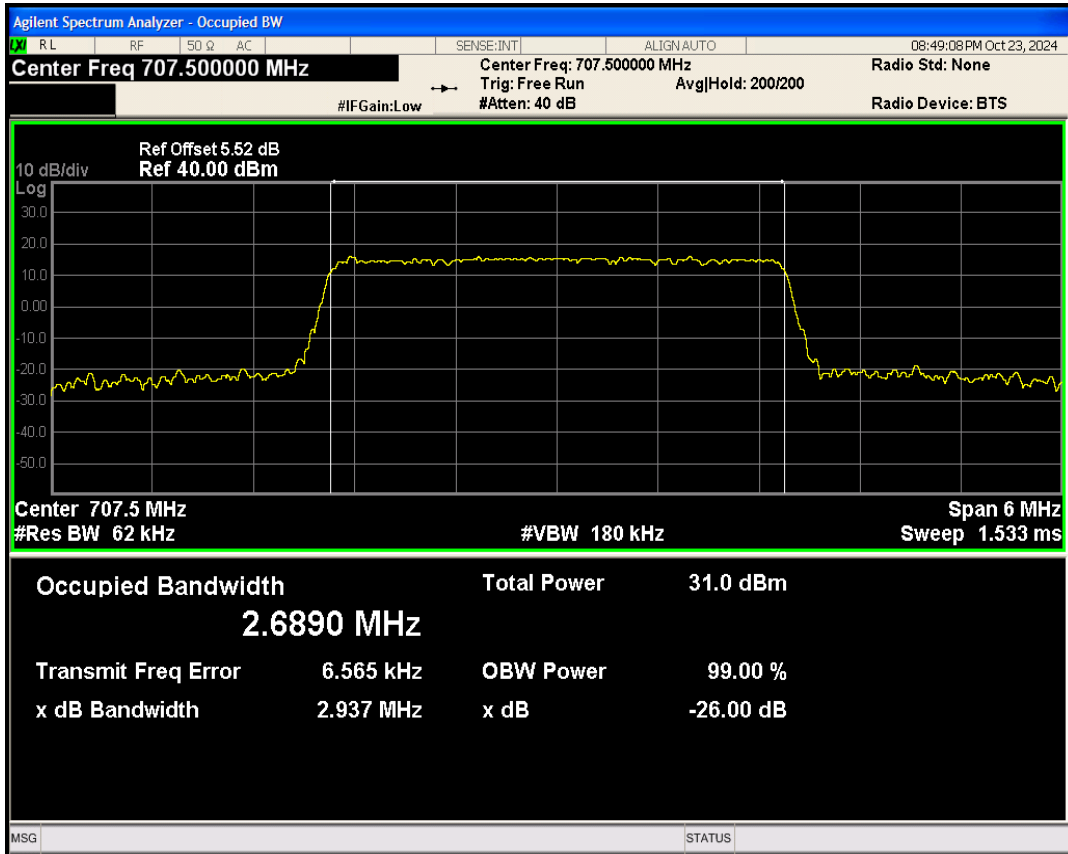
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



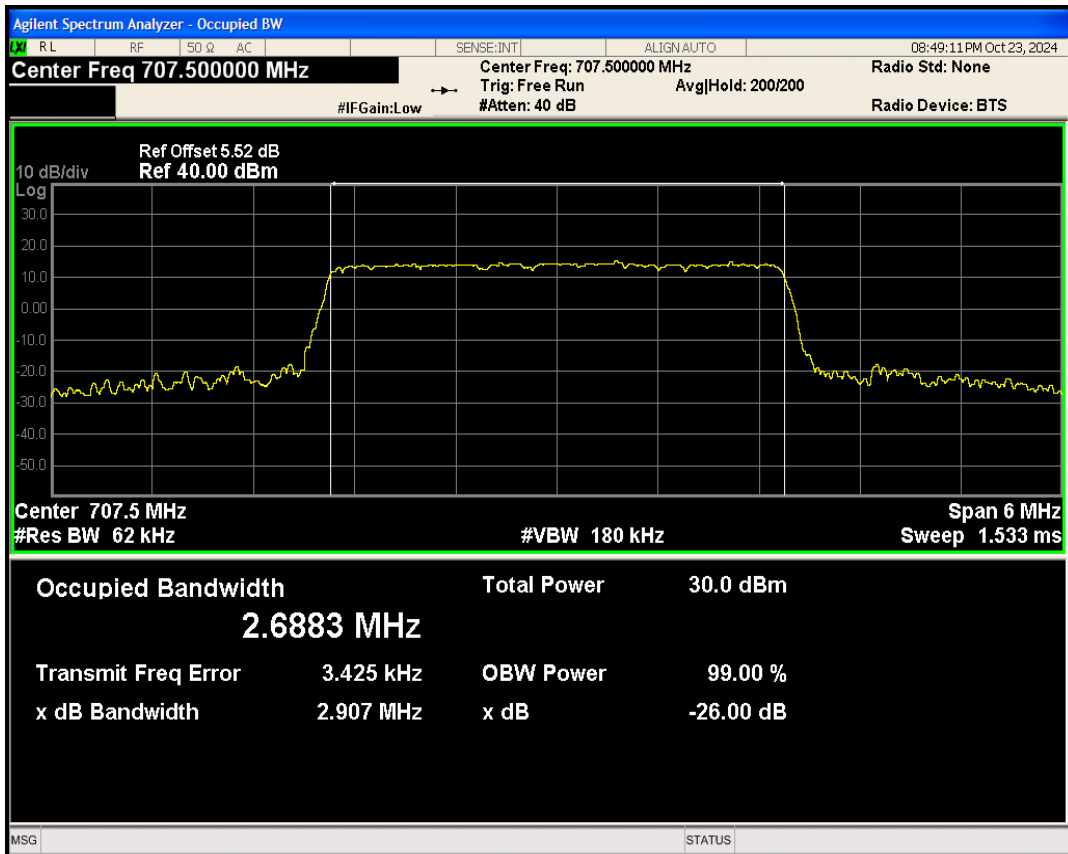
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



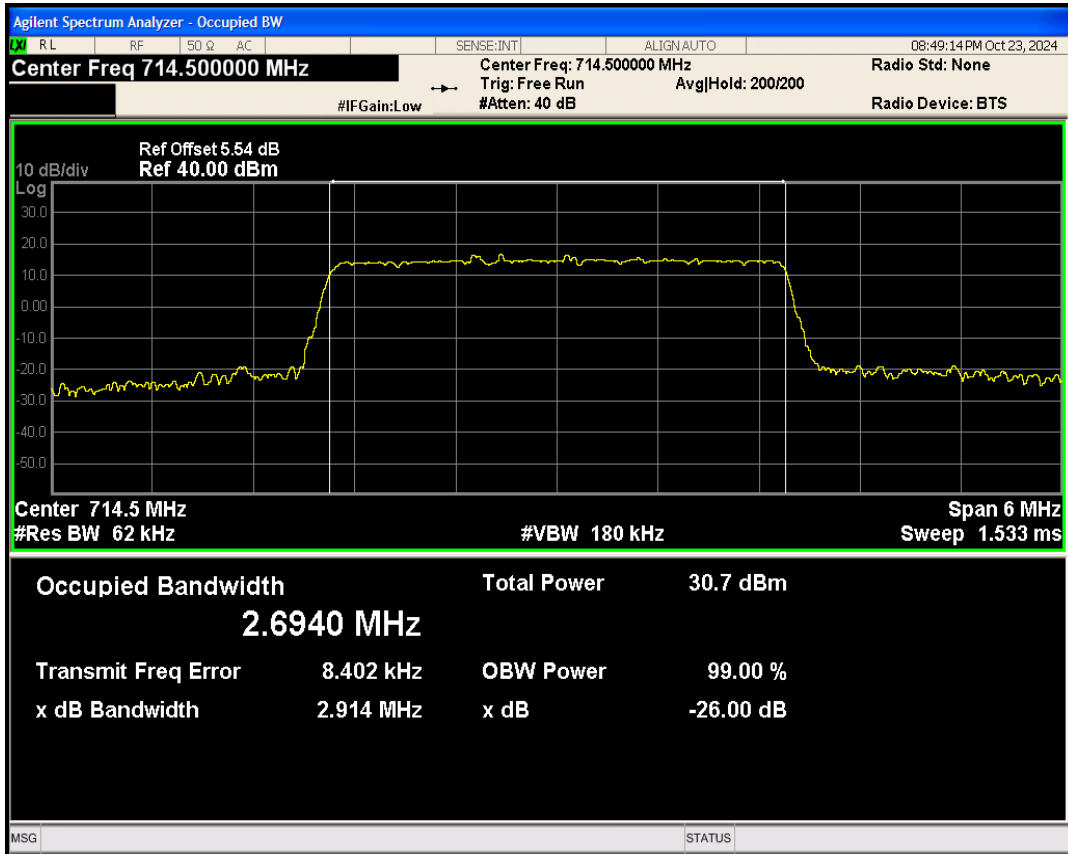
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



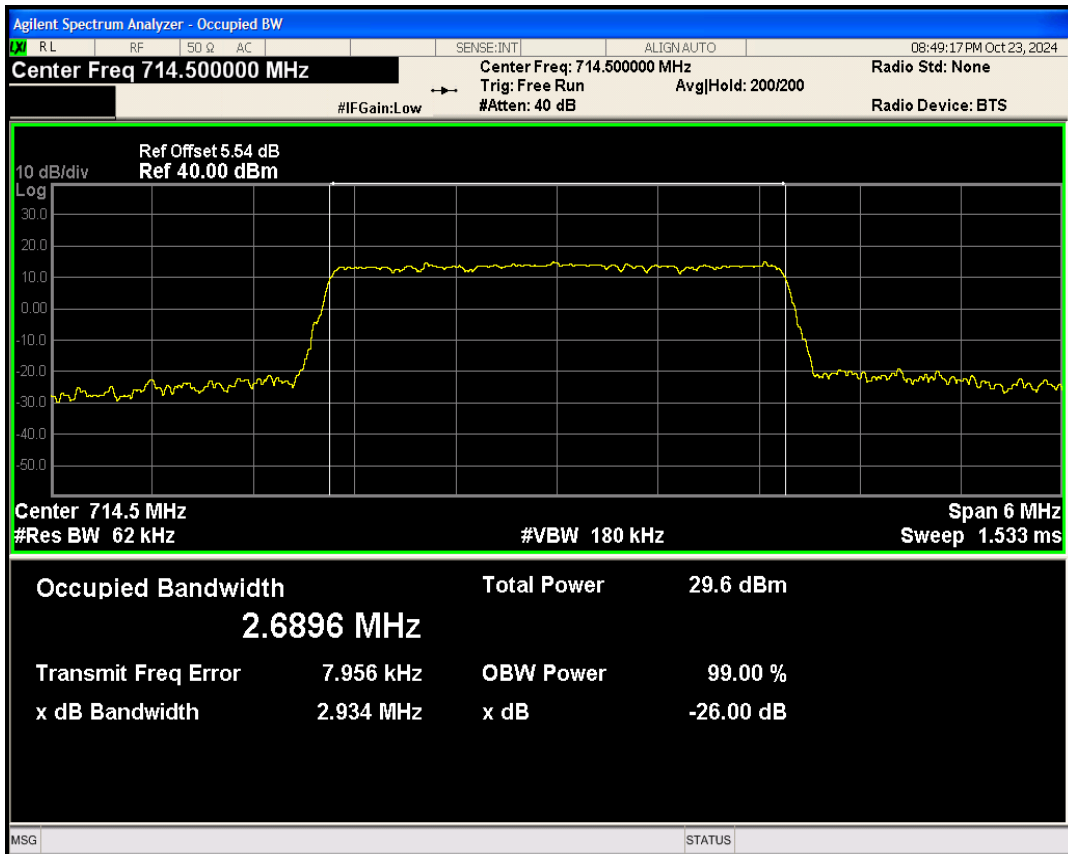
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



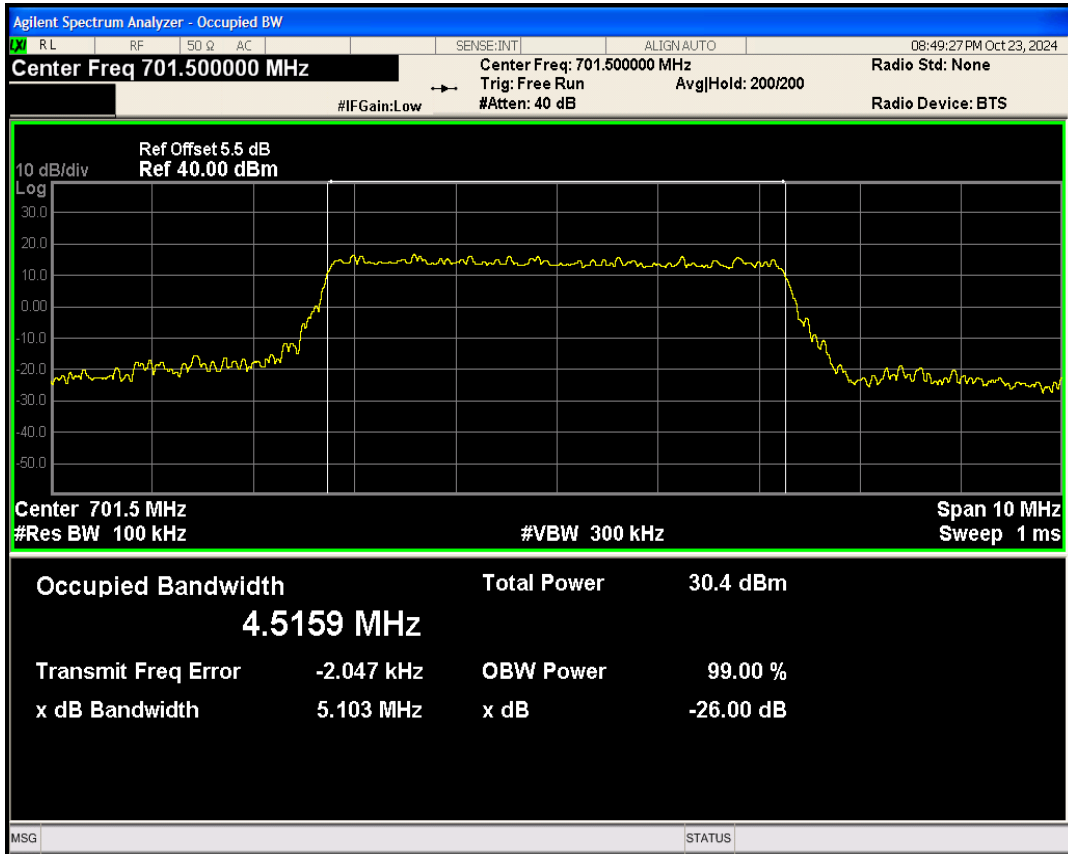
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



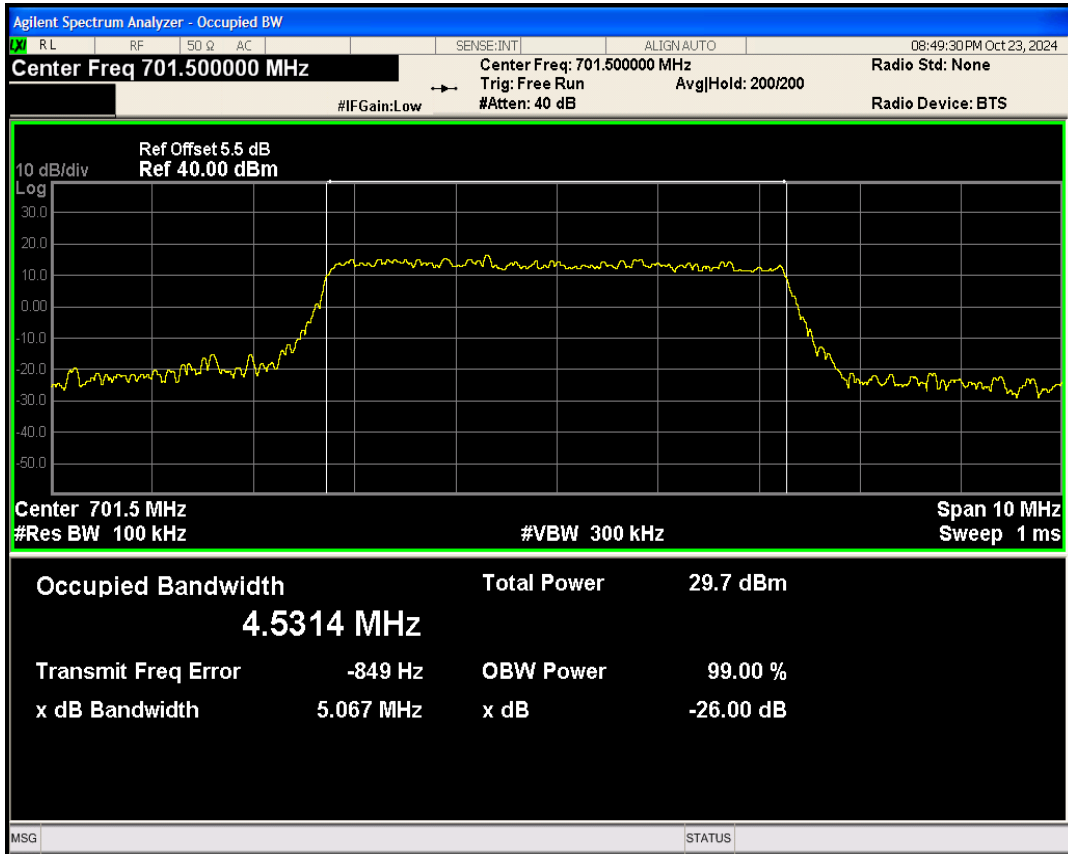
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



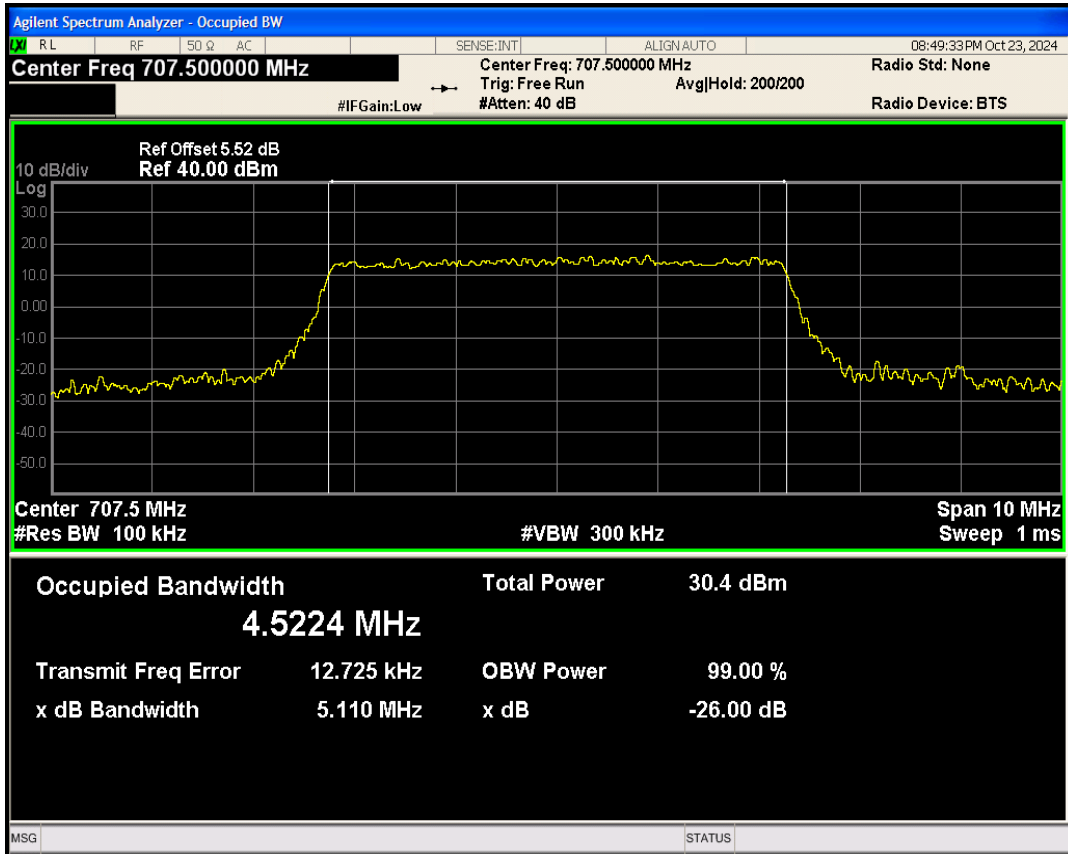
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



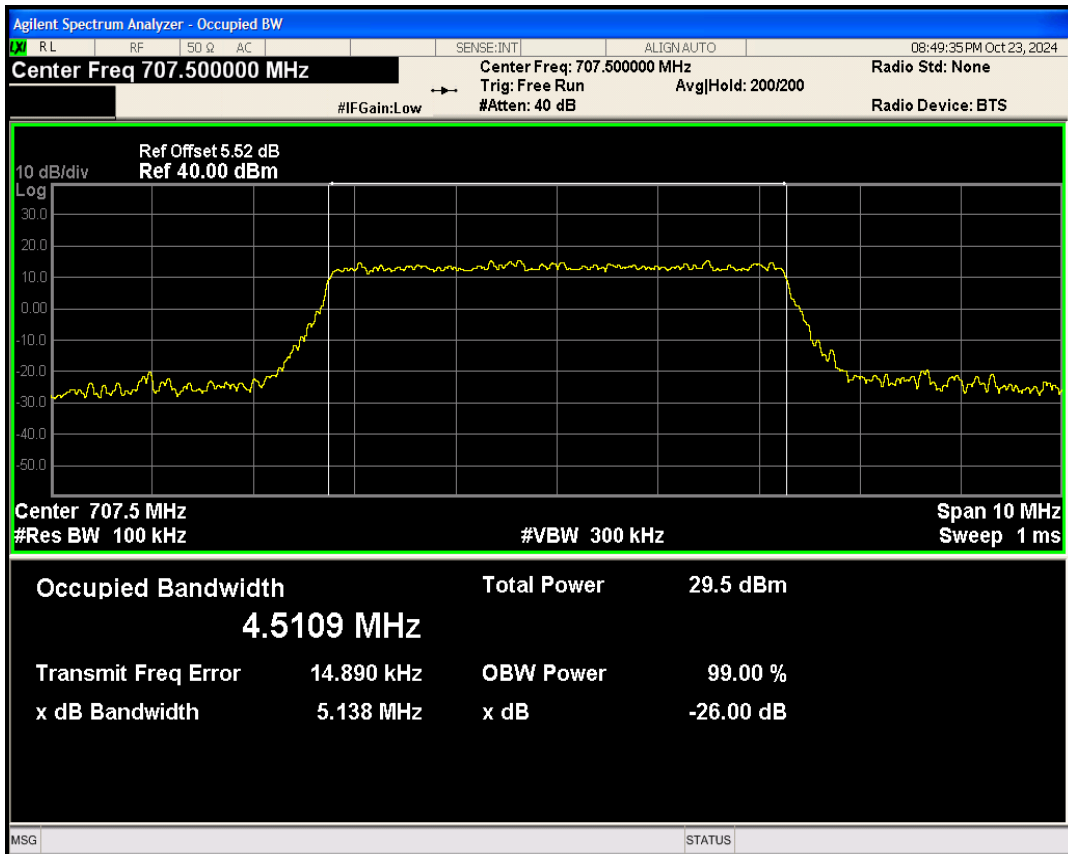
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



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

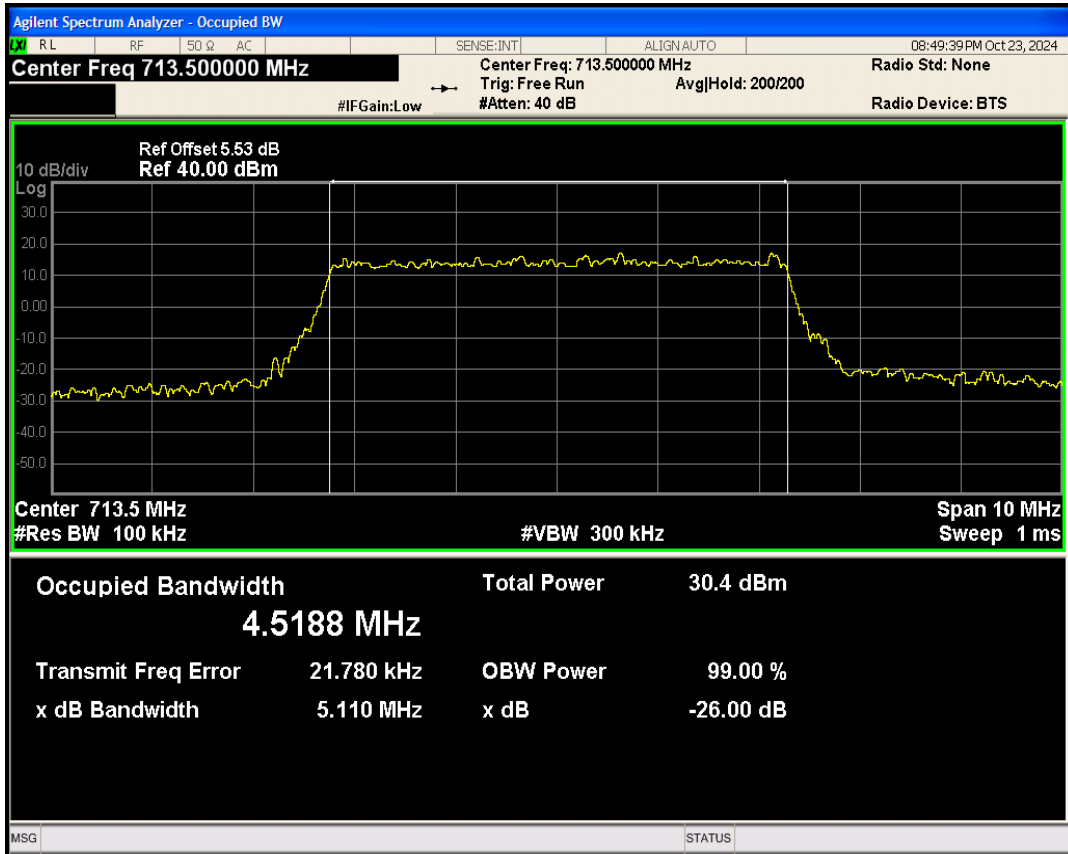


Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0

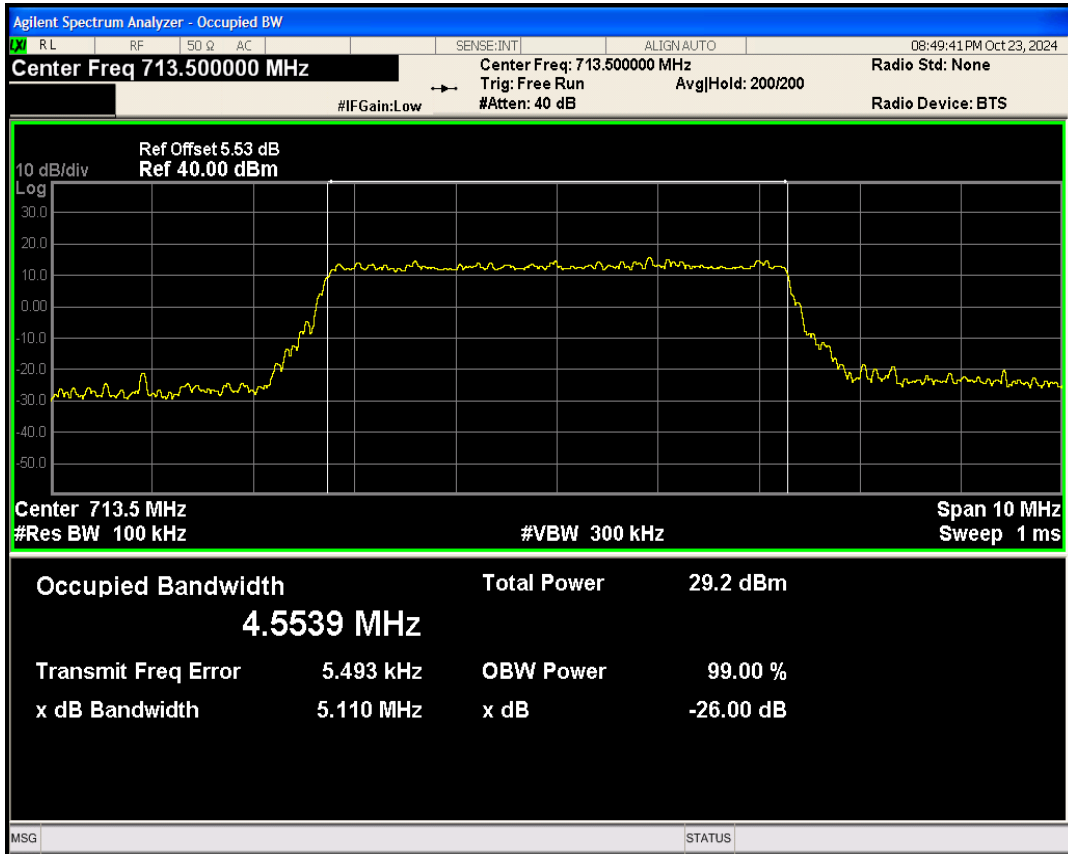


Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0

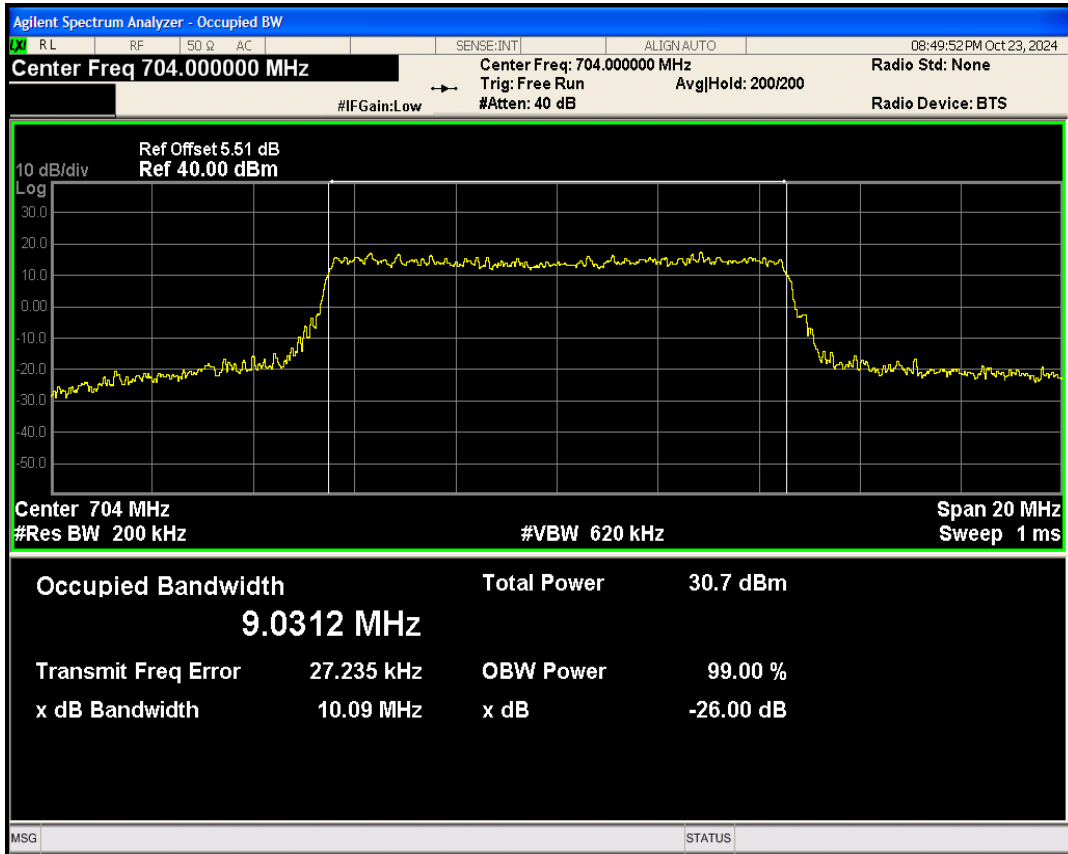




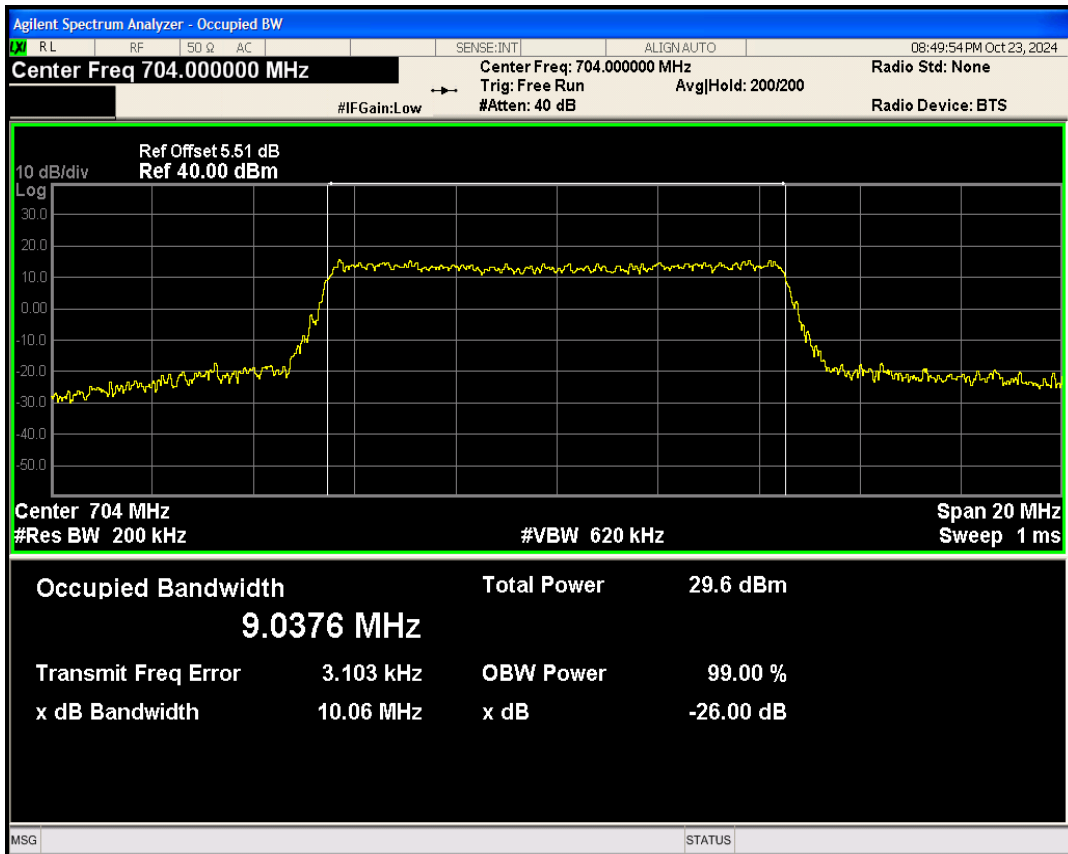
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



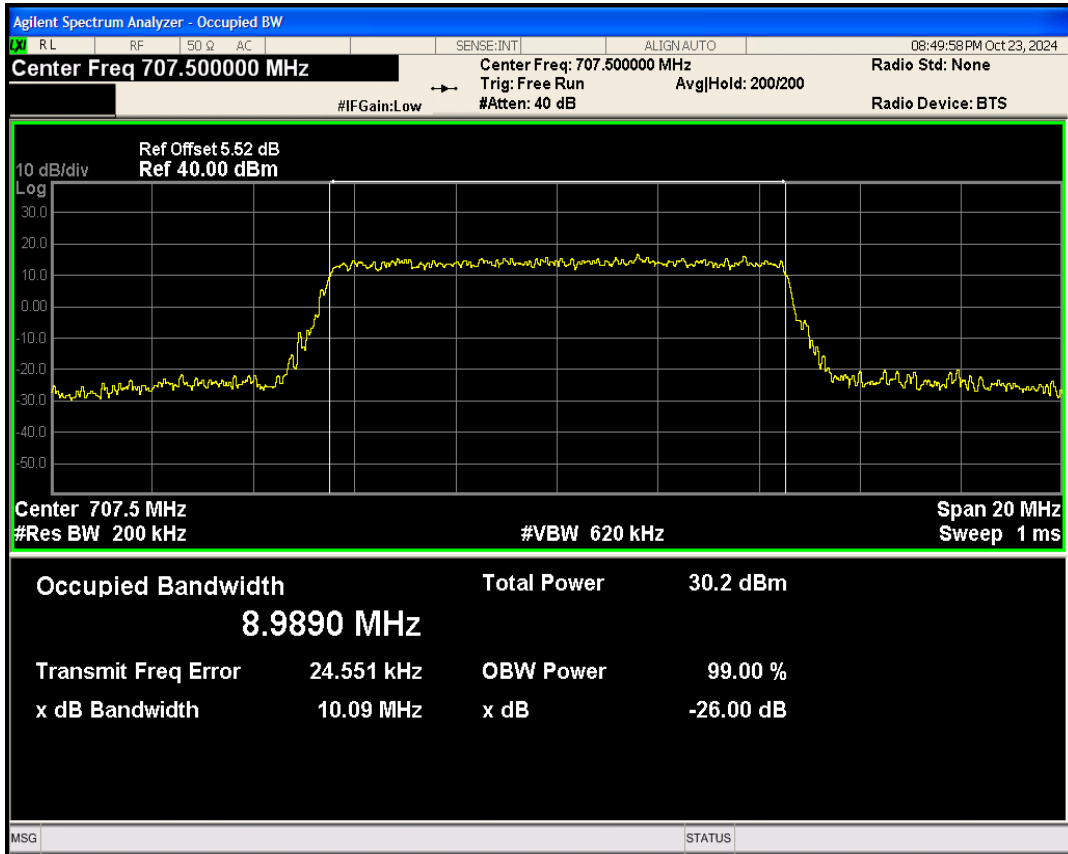
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



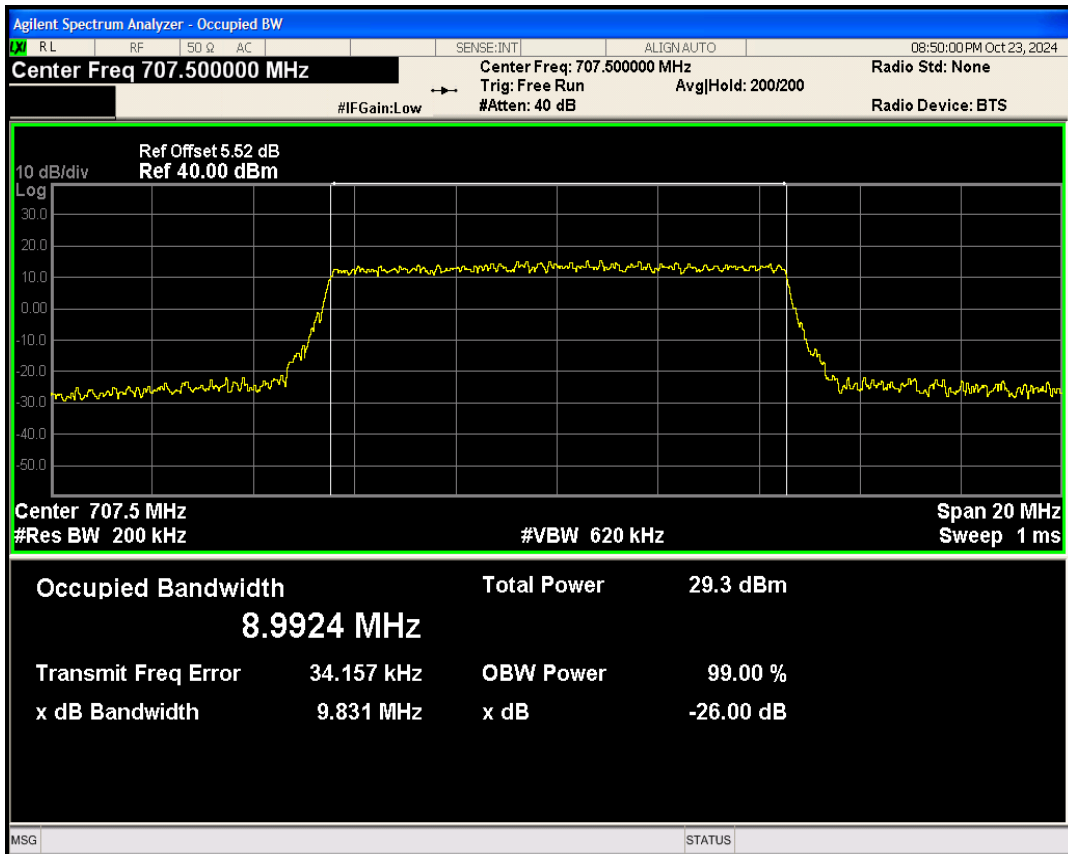
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



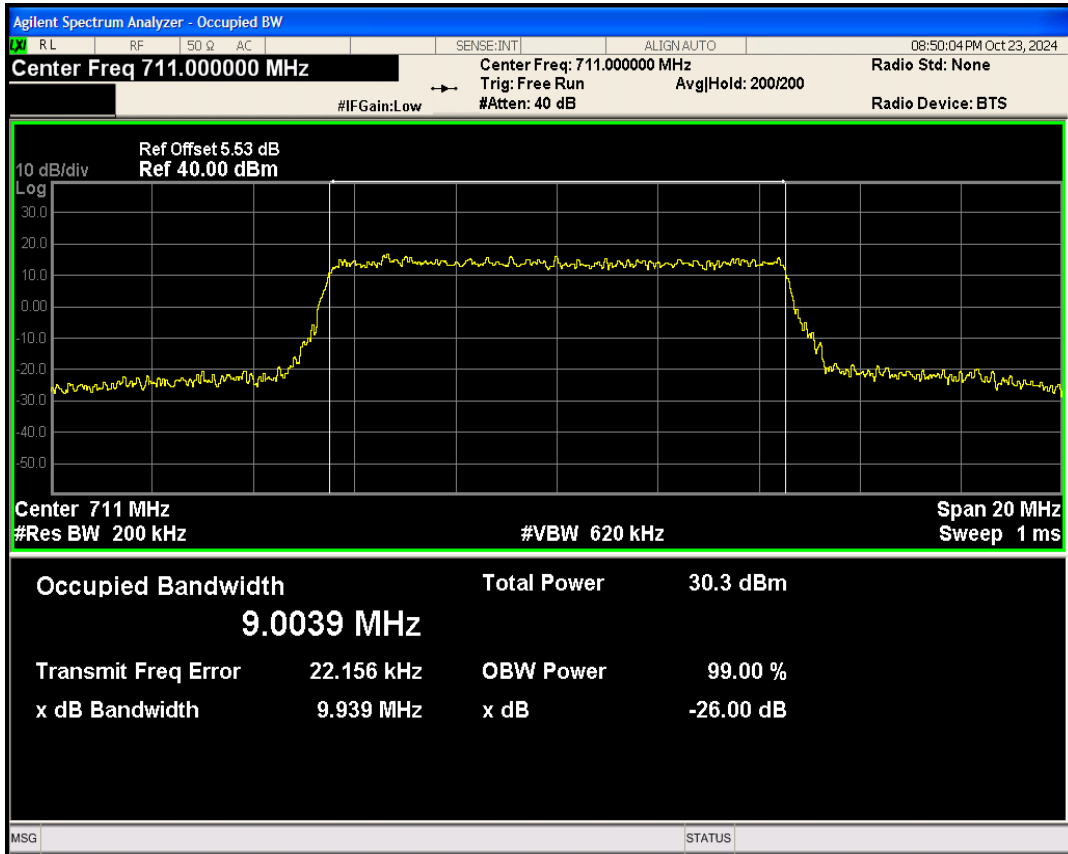
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



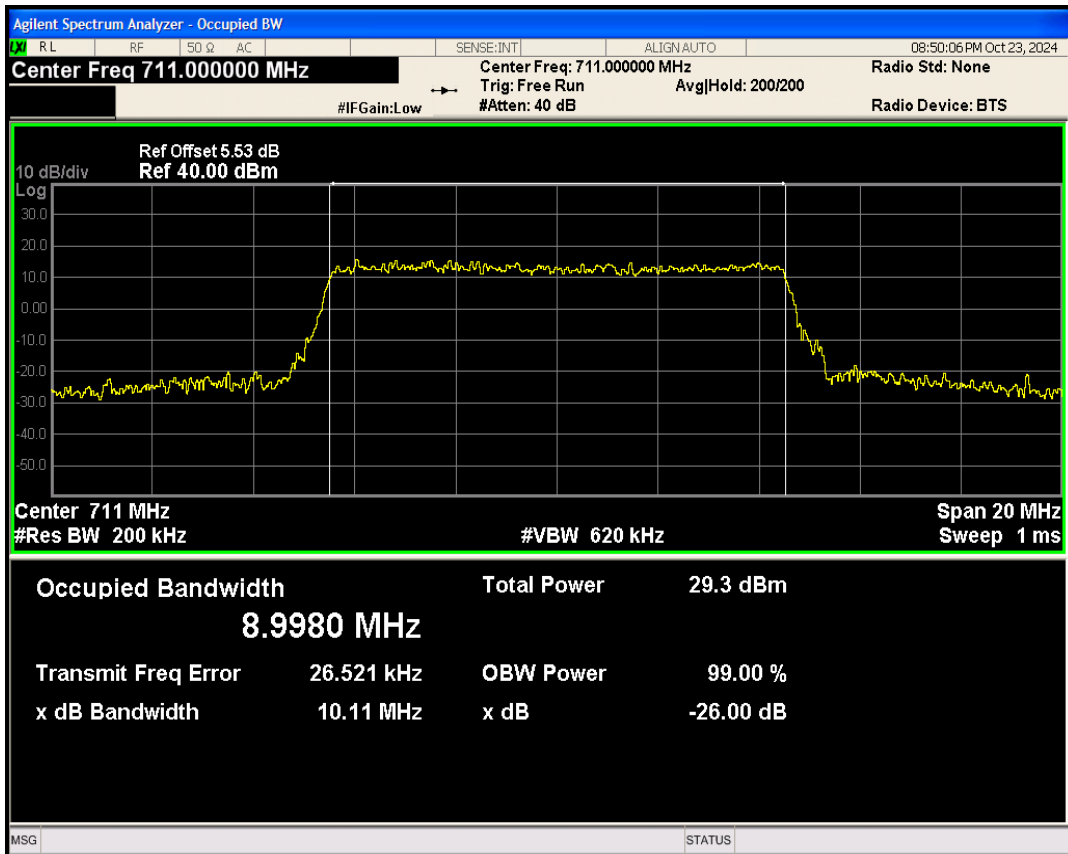
Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



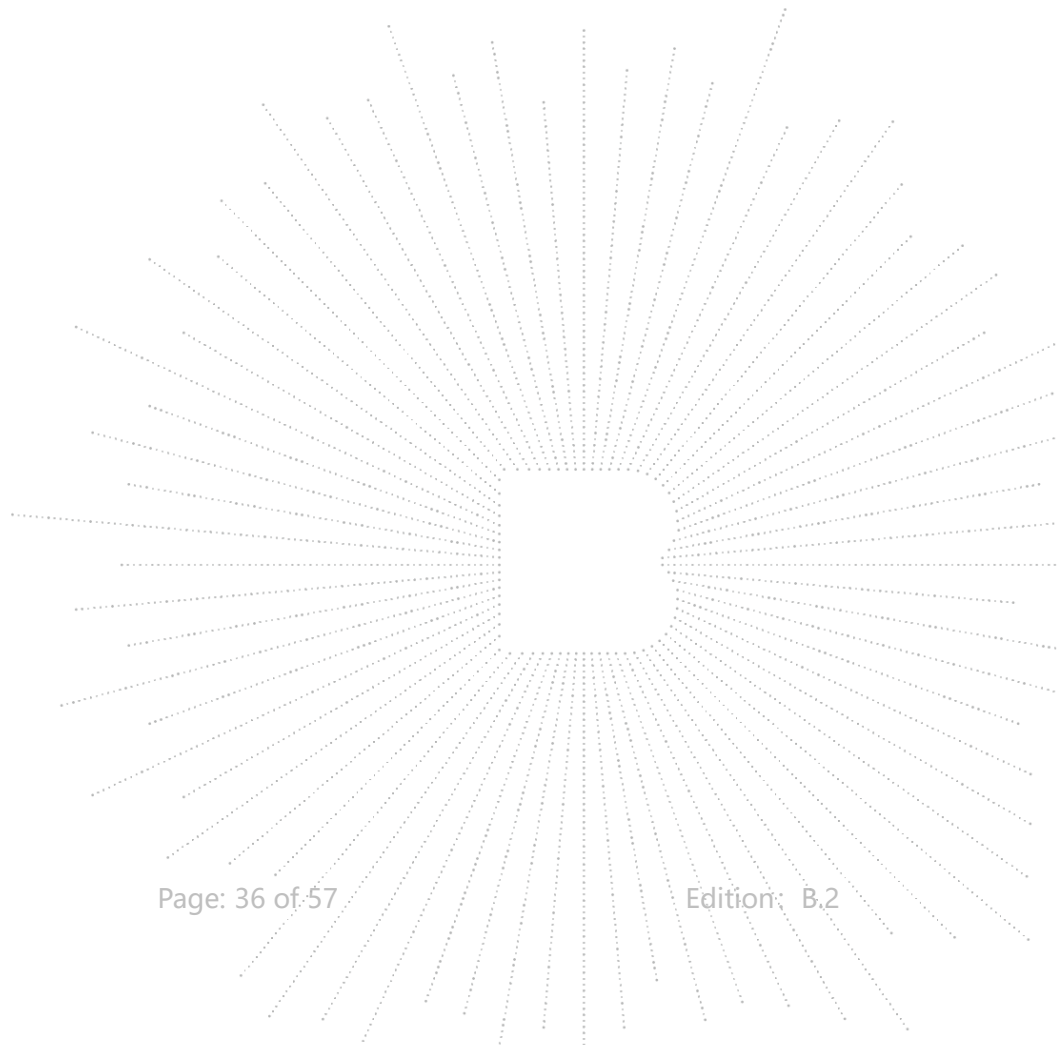
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

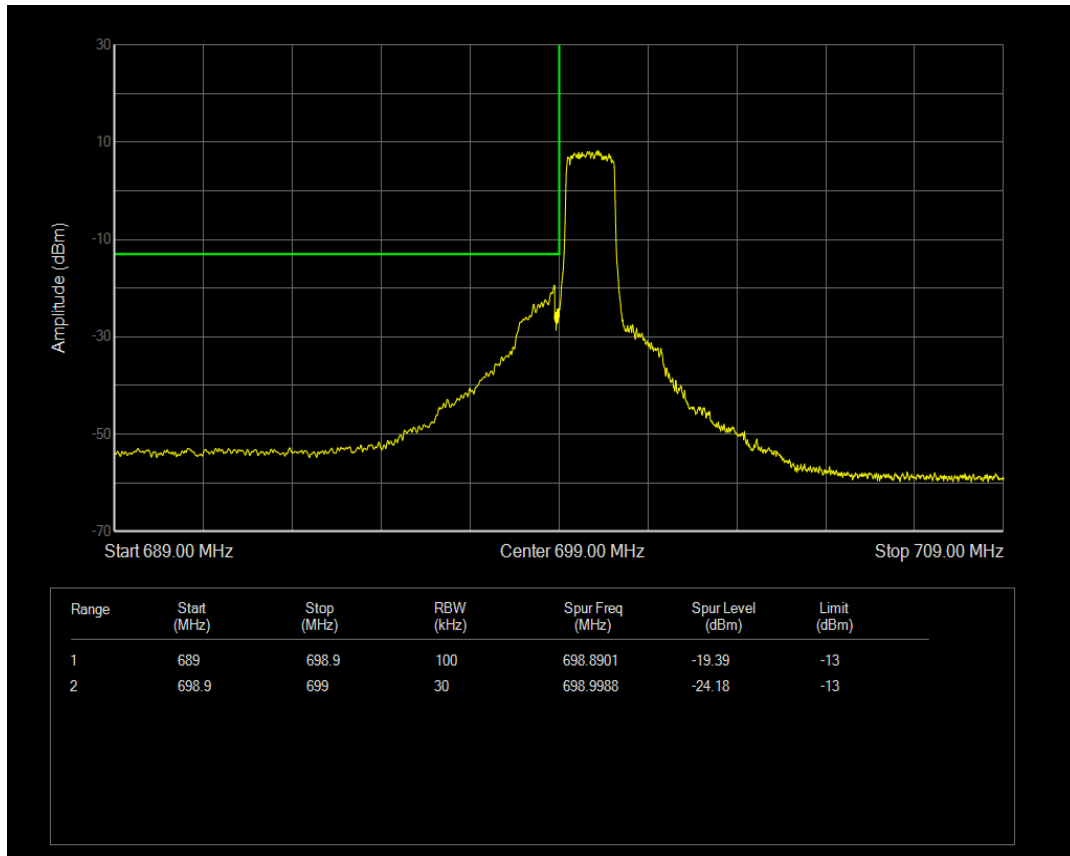


## Appendix 5. Band edge

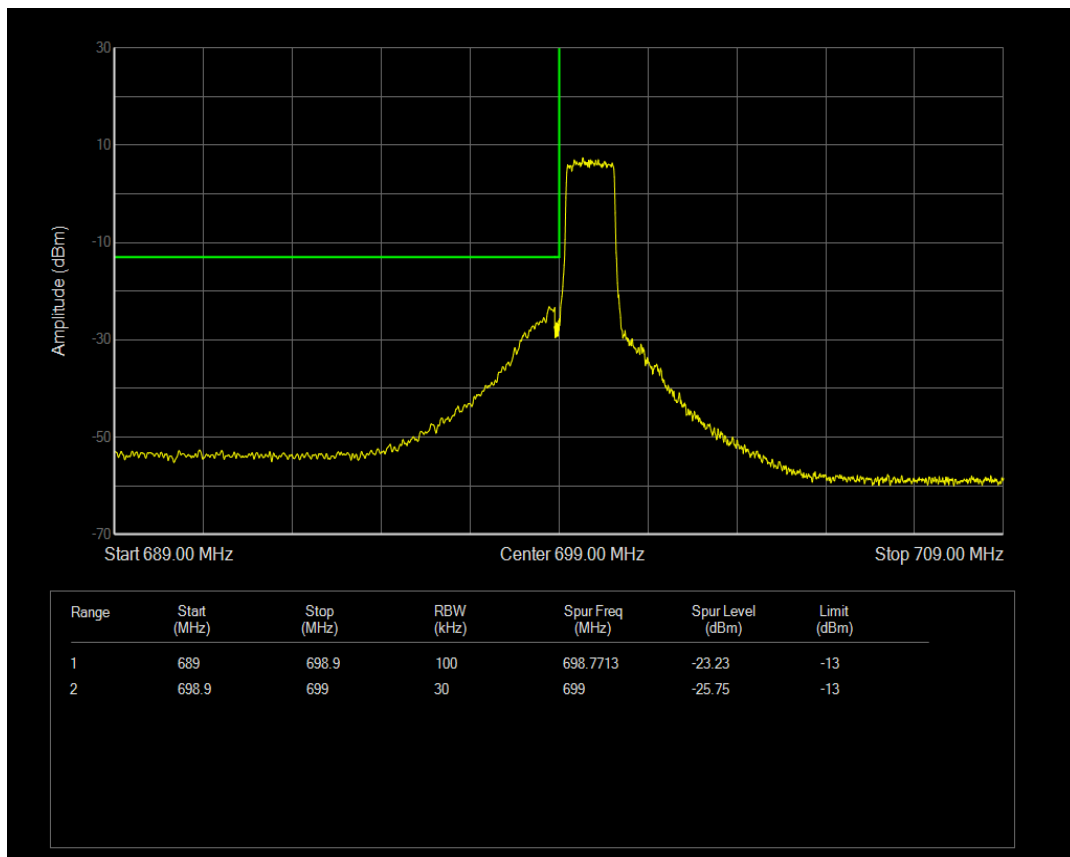
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 698.89          | -19.39           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | 16QAM      | 698.77          | -23.23           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 716.12          | -20.09           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | 16QAM      | 716.26          | -23.91           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 698.90          | -25.36           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | 16QAM      | 698.82          | -26.67           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 716.11          | -26.72           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | 16QAM      | 716.31          | -28.41           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 698.89          | -24.58           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | 16QAM      | 698.90          | -26.41           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 716.12          | -25.15           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | 16QAM      | 716.02          | -27.51           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 698.81          | -29.70           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | 16QAM      | 698.80          | -31.83           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 716.16          | -30.99           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | 16QAM      | 716.12          | -30.82           | -13         | PASS    |

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

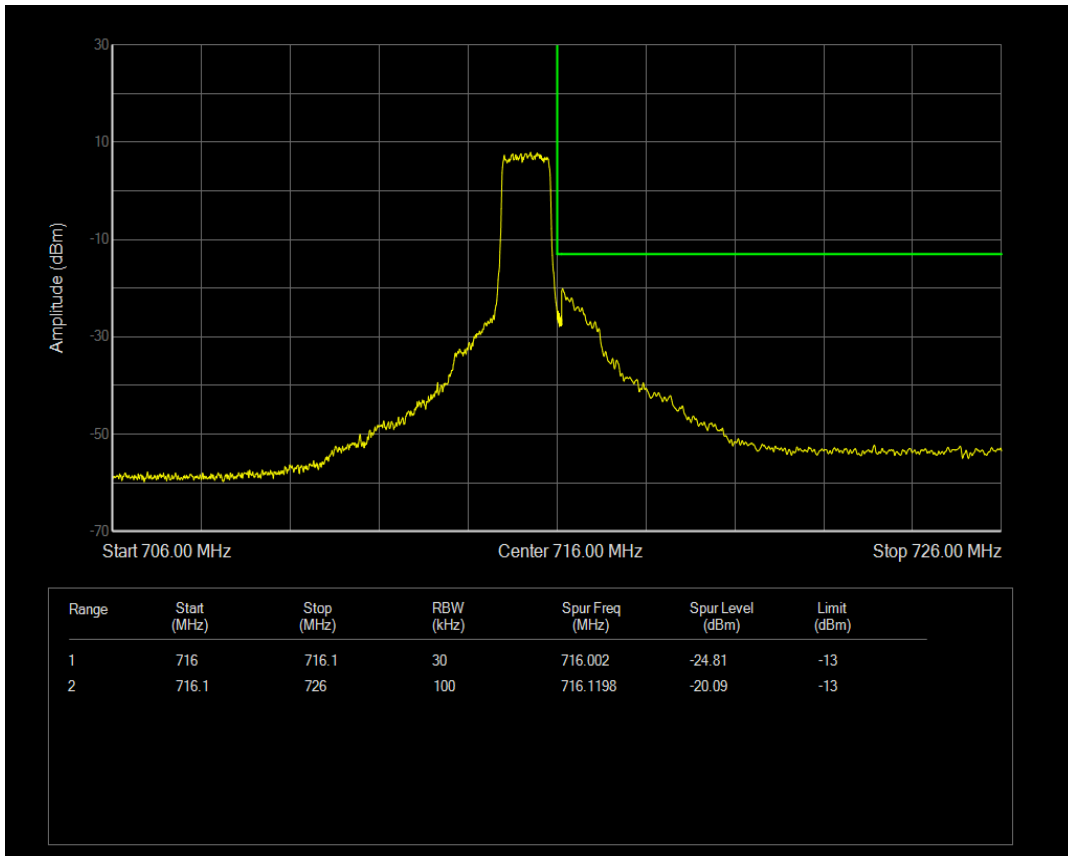




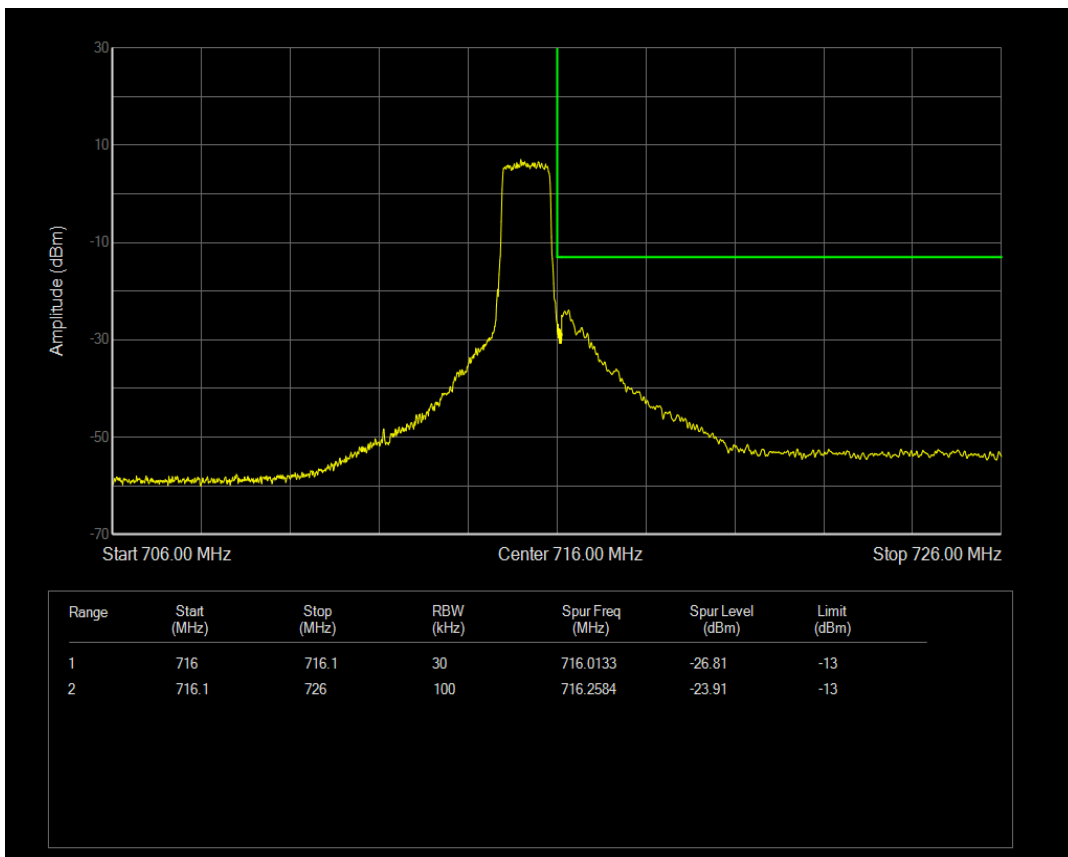
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



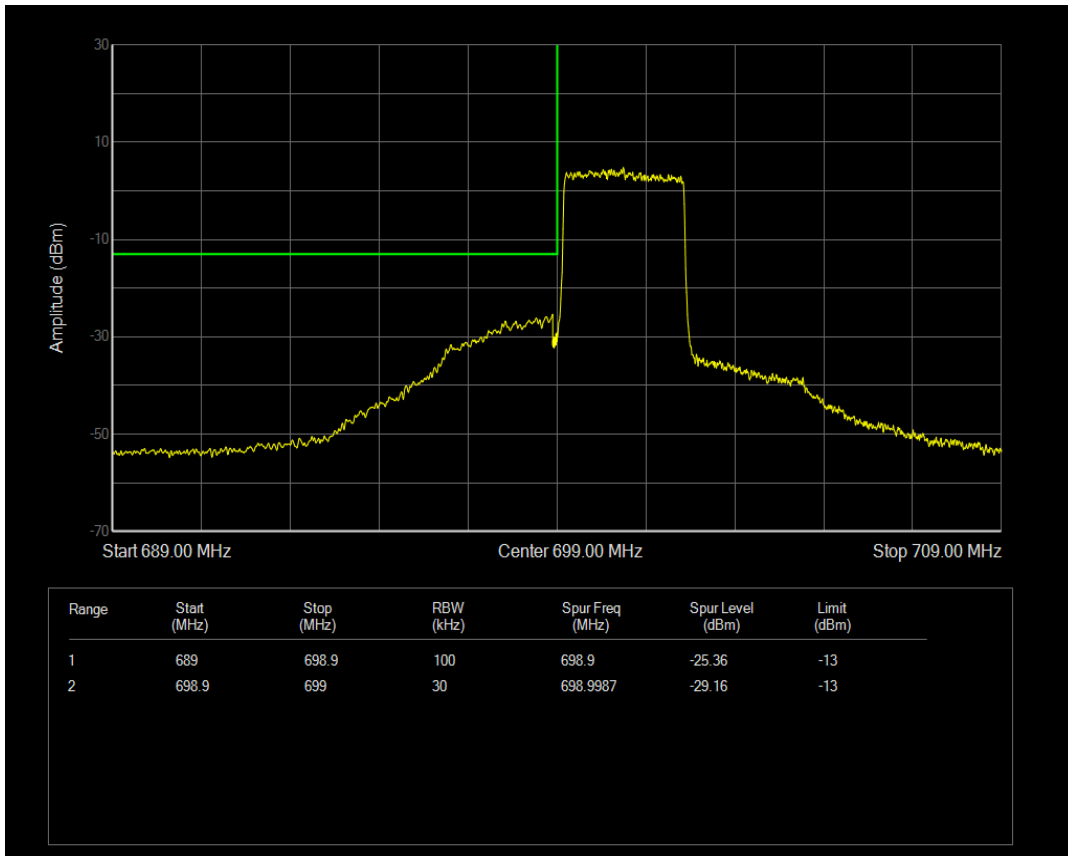
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



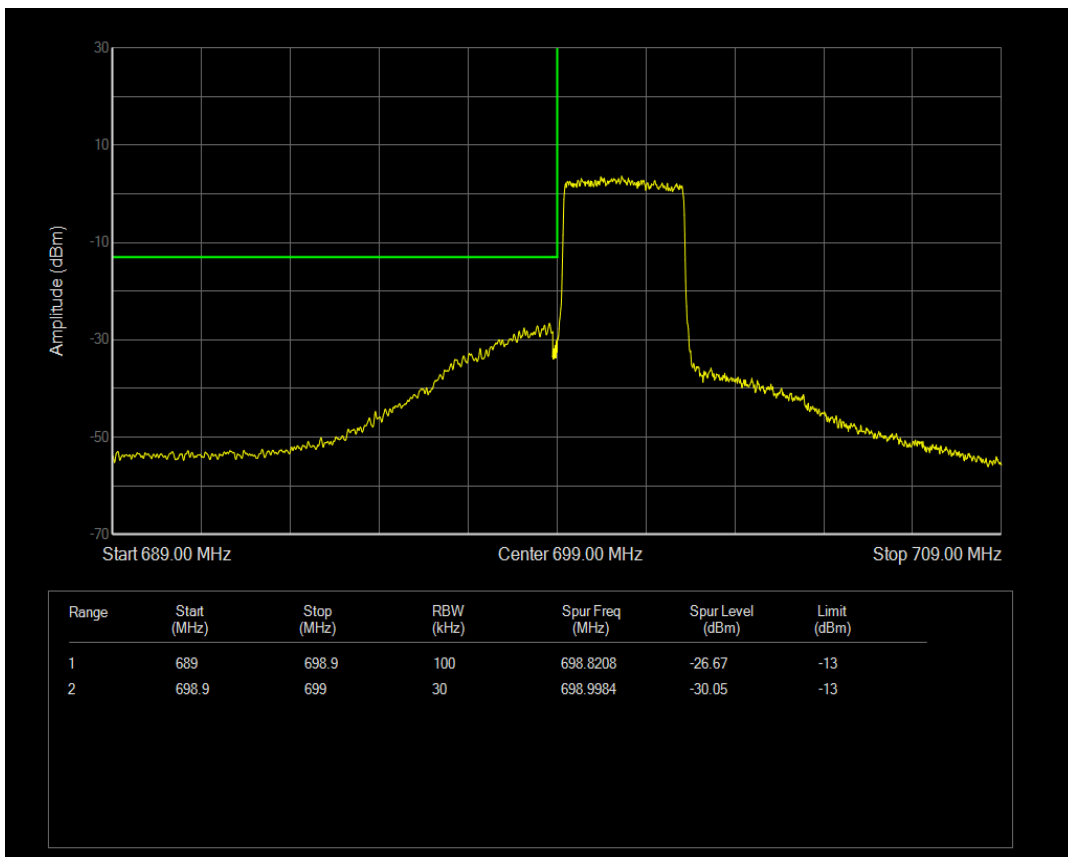
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



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

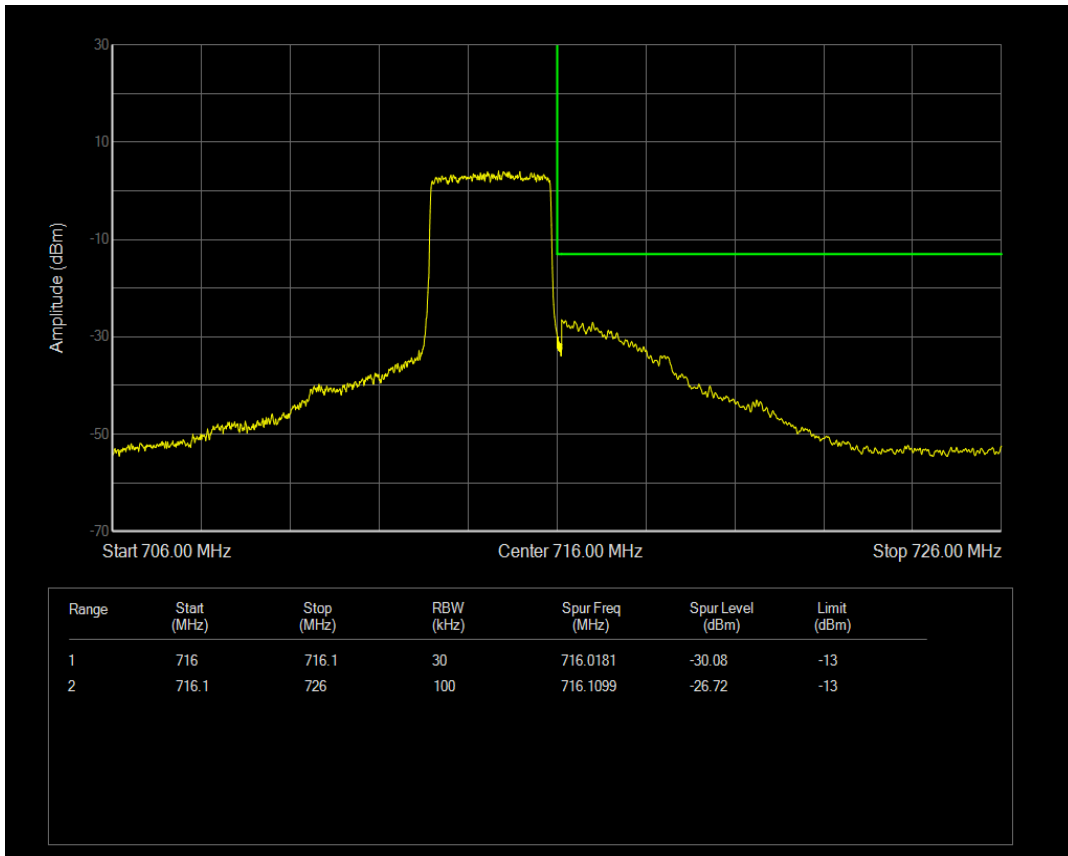


Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0

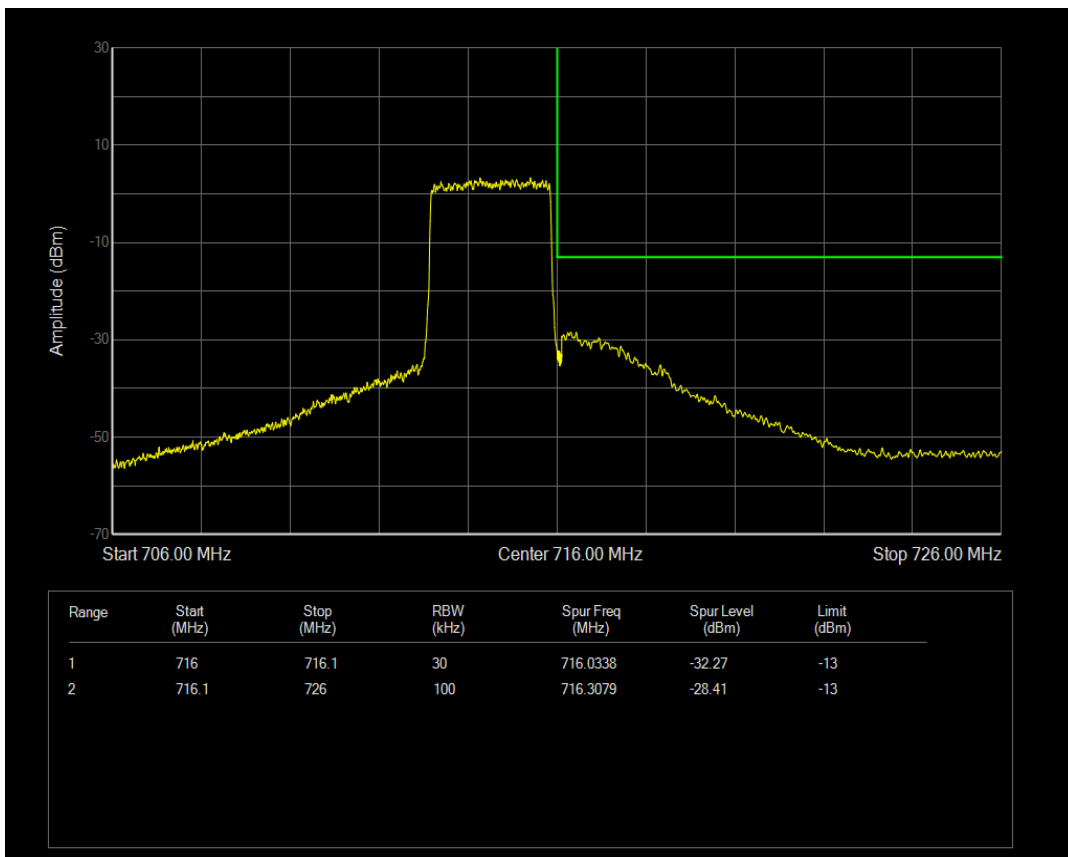


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

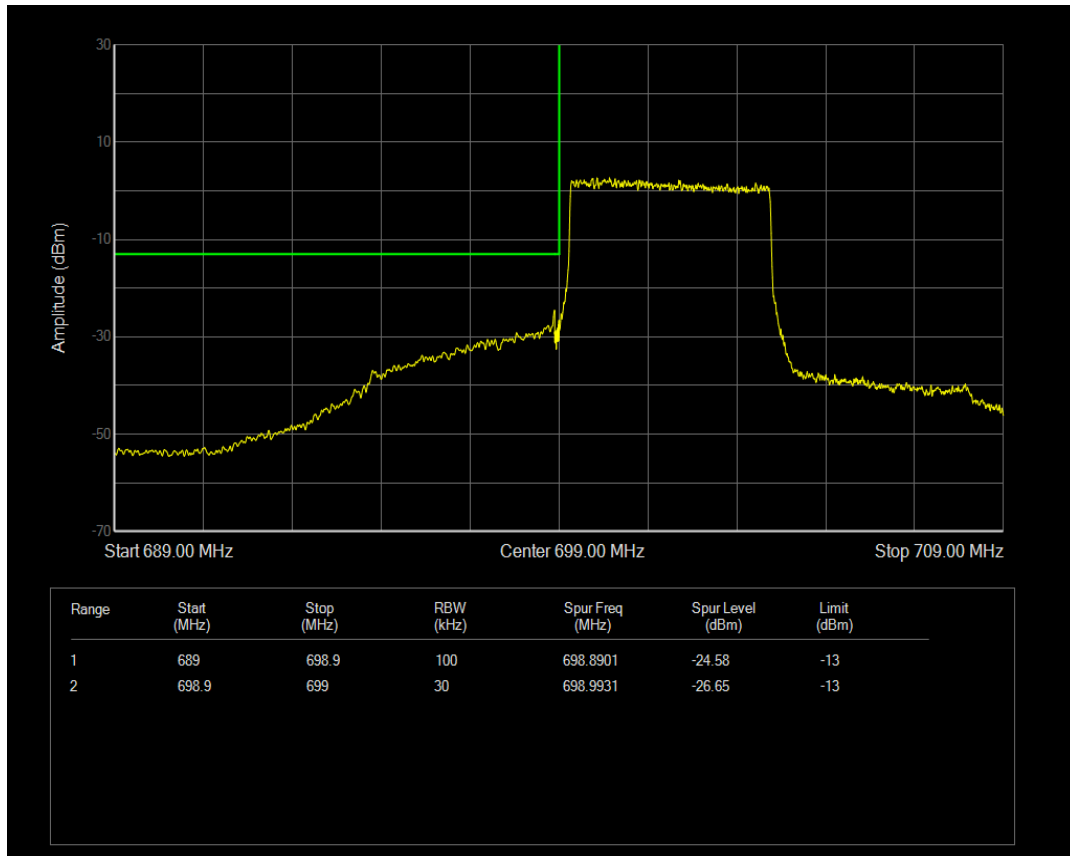




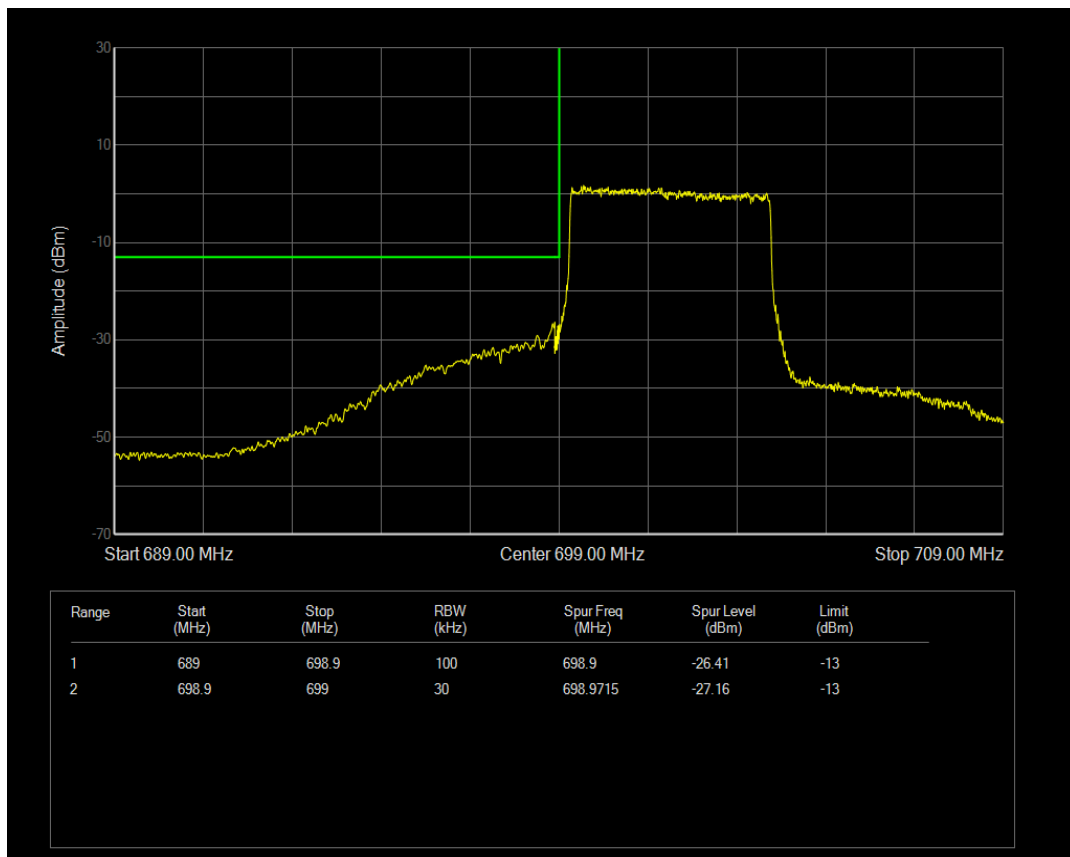
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



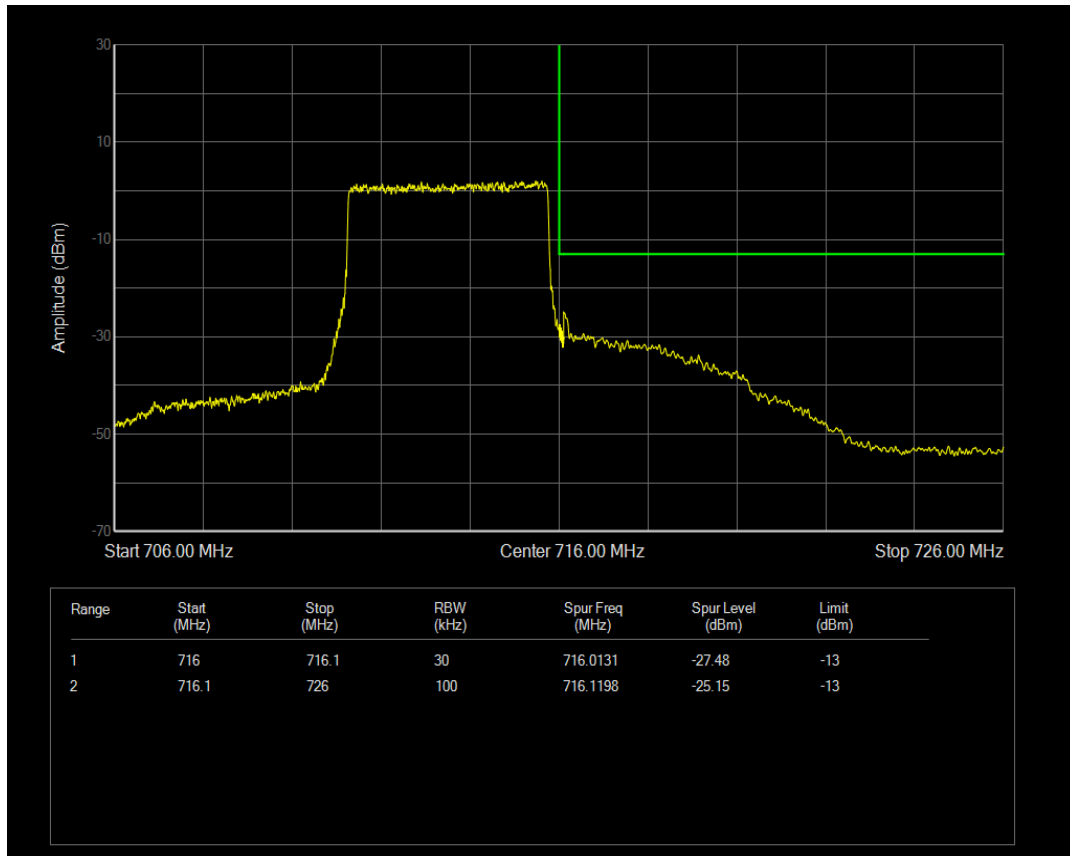
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



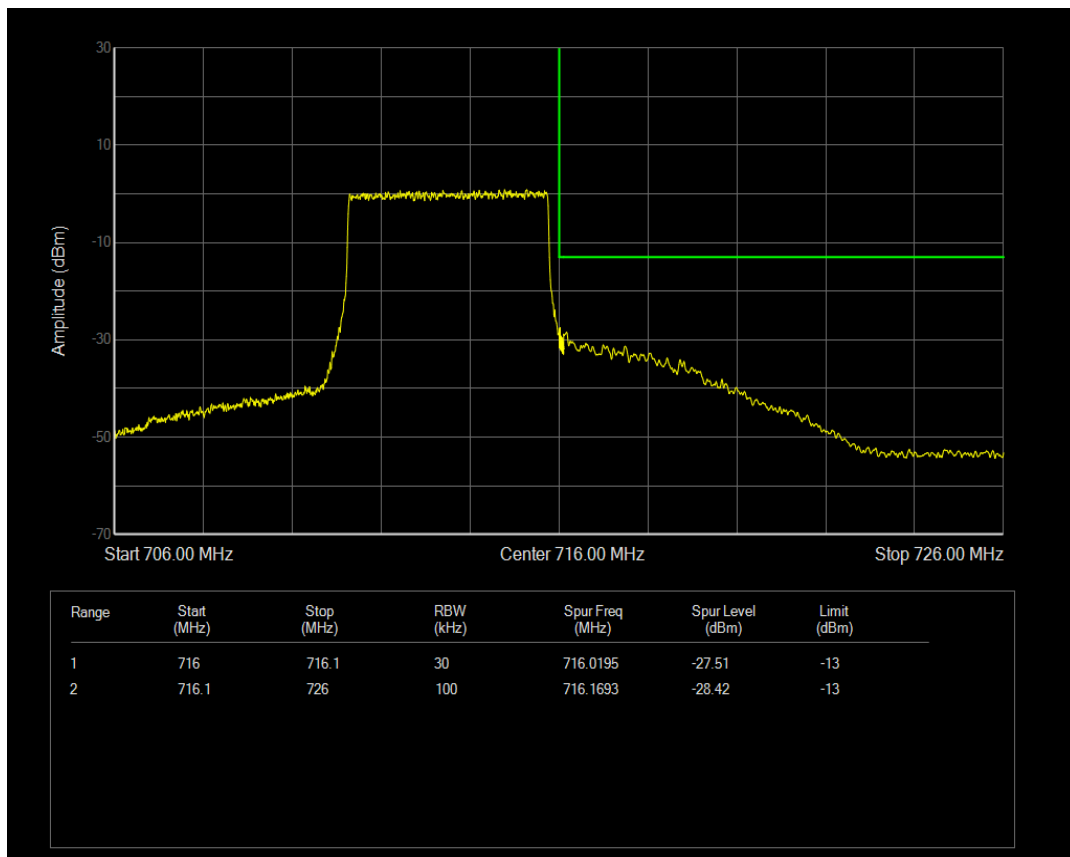
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



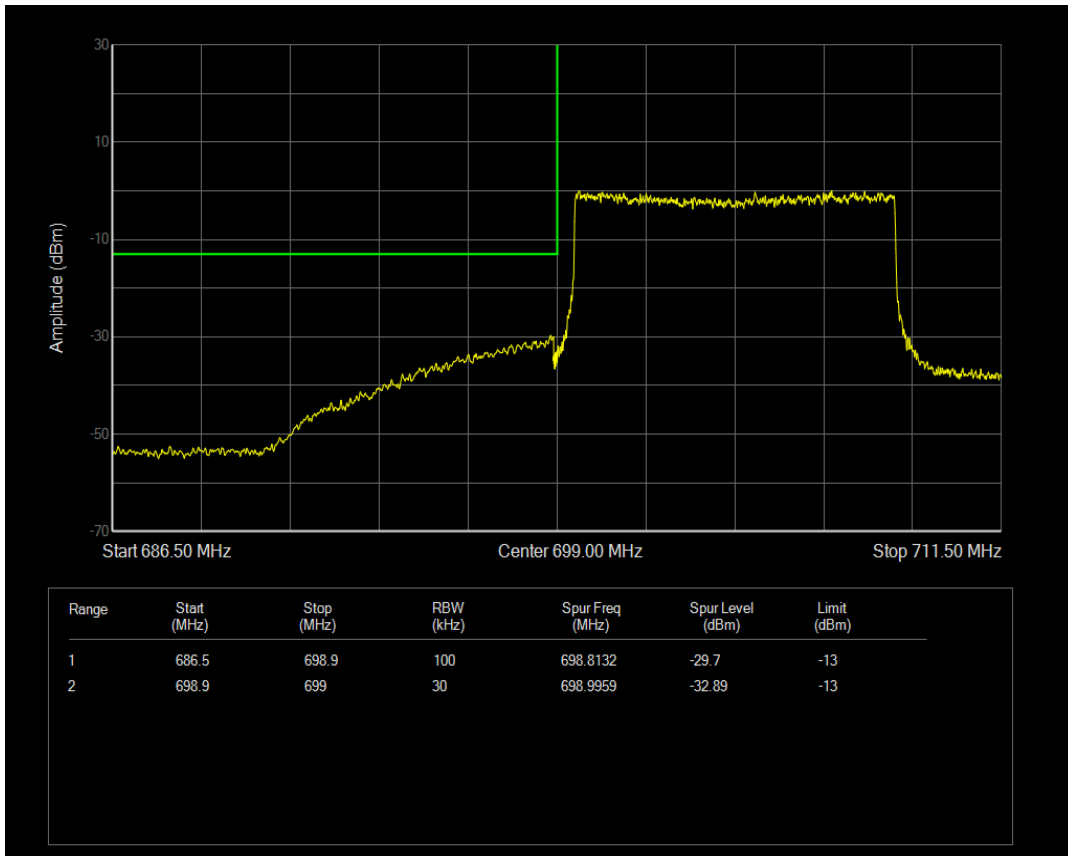
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



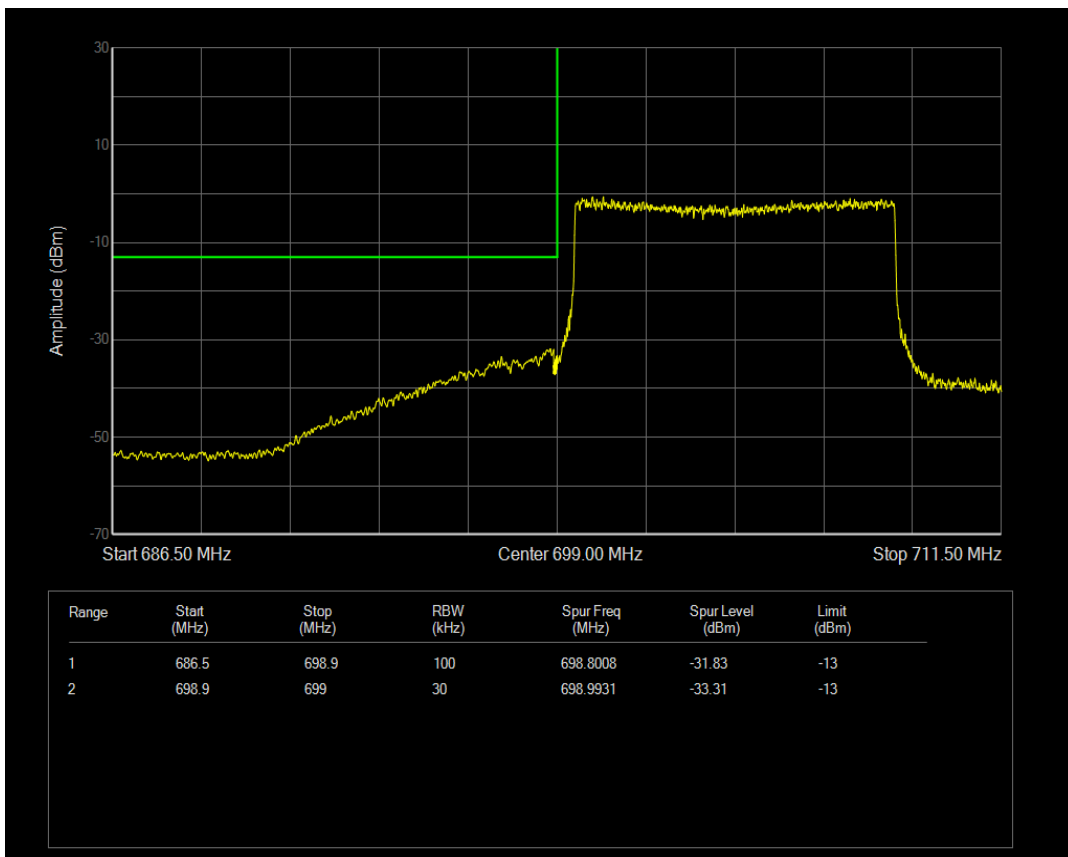
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



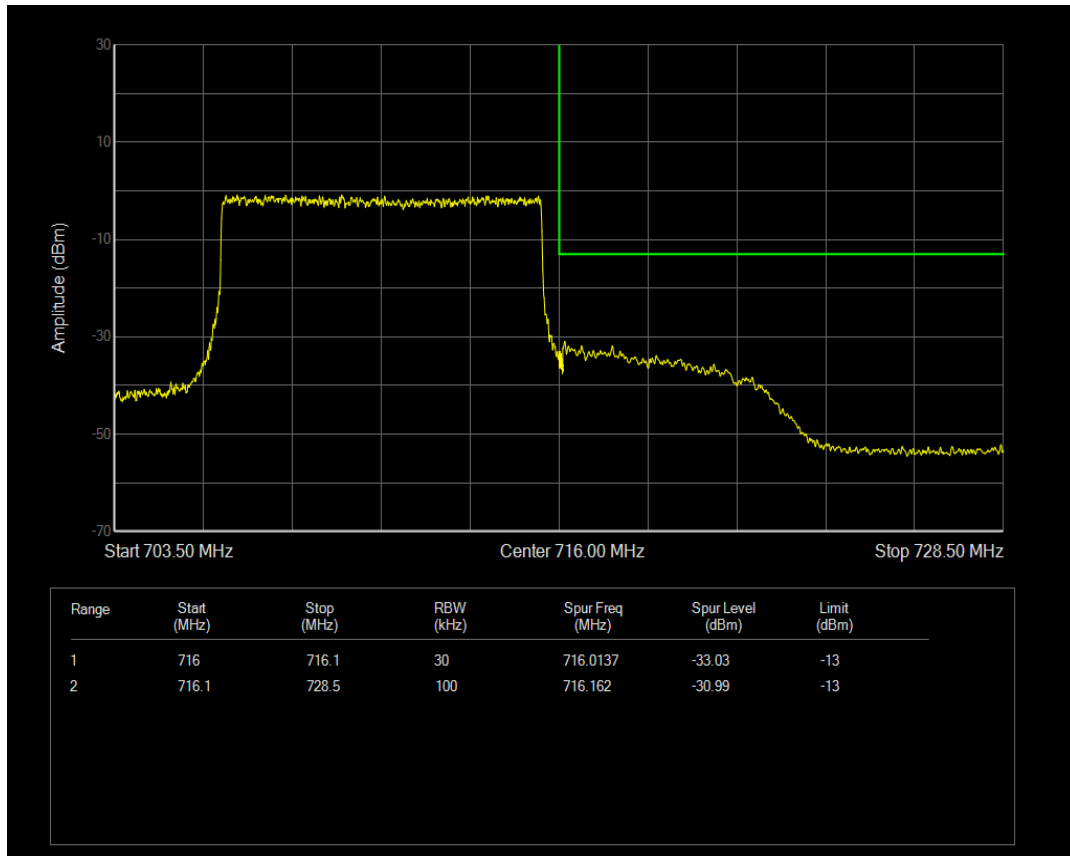
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



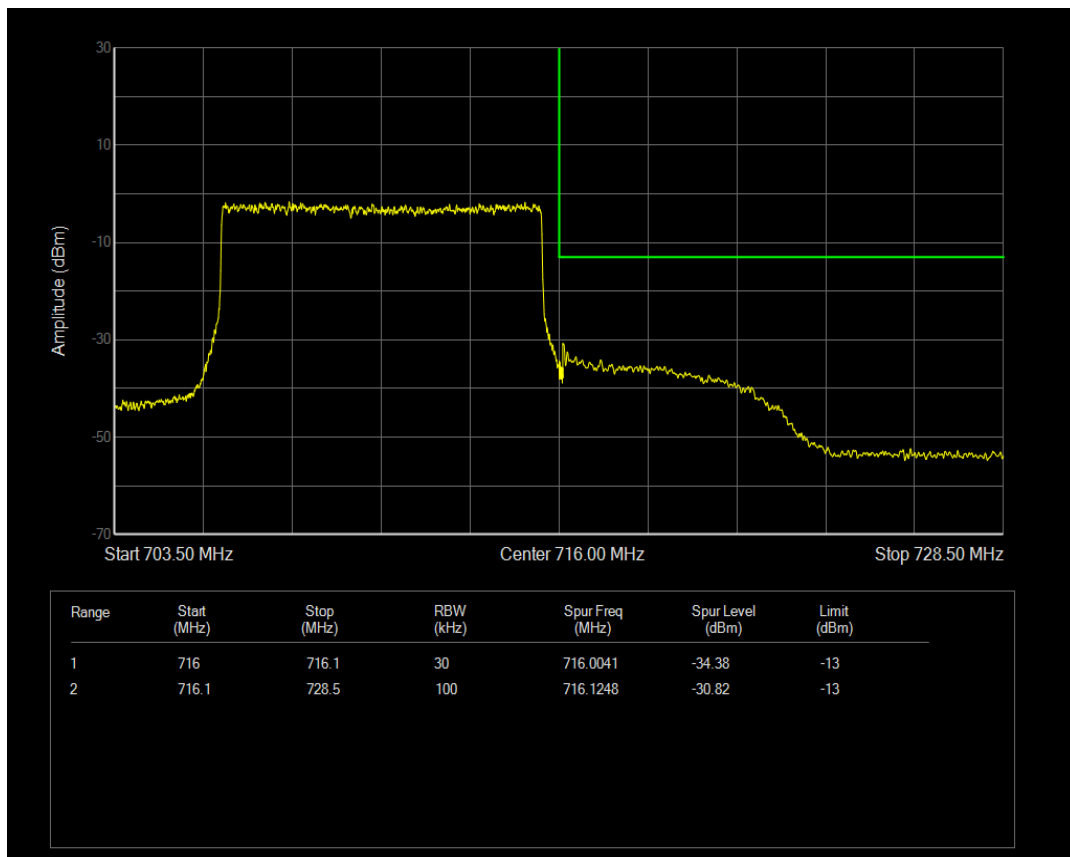
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



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



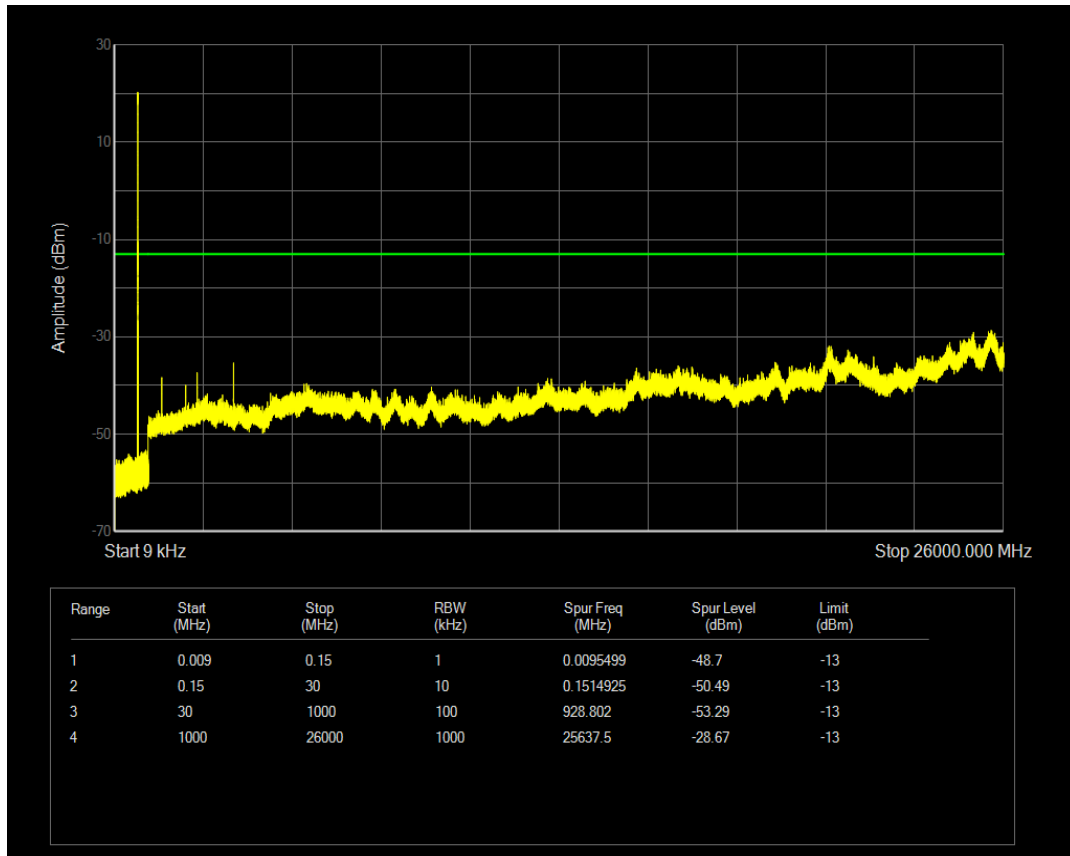
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



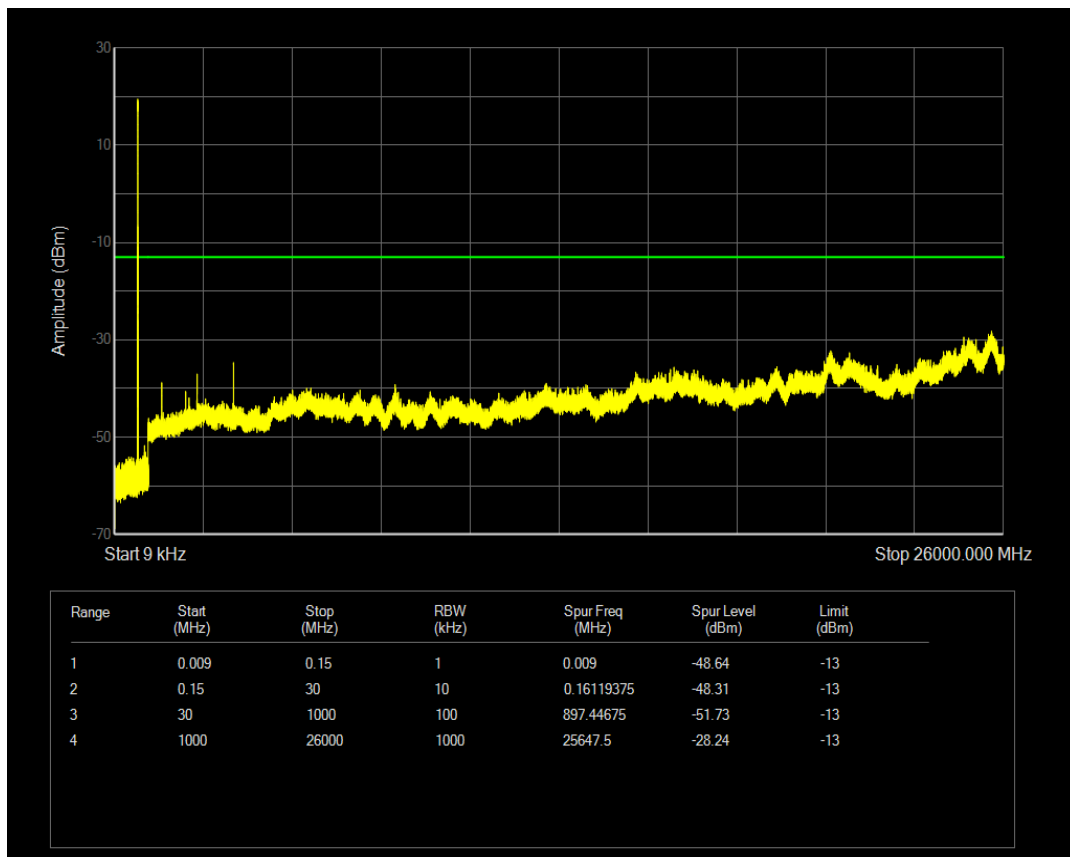
## Appendix 6. Out-of-band emissions

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 25637.50           | -28.67              | -13            | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | 16QAM      | 25647.50           | -28.24              | -13            | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 25633.13           | -28.19              | -13            | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | 16QAM      | 25590.63           | -27.96              | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 25641.25           | -28.13              | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | 16QAM      | 25604.38           | -28.08              | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 25626.88           | -28.17              | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | 16QAM      | 25630.00           | -27.64              | -13            | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | QPSK       | 25601.88           | -28.55              | -13            | PASS    |
| Band12 | 3                  | 23095         | 15         | #0             | 16QAM      | 25691.25           | -28.02              | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 25635.63           | -28.80              | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | 16QAM      | 25691.25           | -28.10              | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 25145.63           | -28.34              | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | 16QAM      | 25665.63           | -27.82              | -13            | PASS    |
| Band12 | 5                  | 23095         | 25         | #0             | QPSK       | 25655.00           | -28.35              | -13            | PASS    |
| Band12 | 5                  | 23095         | 25         | #0             | 16QAM      | 25674.38           | -28.82              | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 25686.88           | -28.24              | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | 16QAM      | 25703.75           | -28.45              | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 25645.00           | -28.13              | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | 16QAM      | 25648.75           | -28.21              | -13            | PASS    |
| Band12 | 10                 | 23095         | 50         | #0             | QPSK       | 25635.00           | -27.93              | -13            | PASS    |
| Band12 | 10                 | 23095         | 50         | #0             | 16QAM      | 25630.63           | -26.91              | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 25649.38           | -28.09              | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | 16QAM      | 25693.13           | -27.90              | -13            | PASS    |

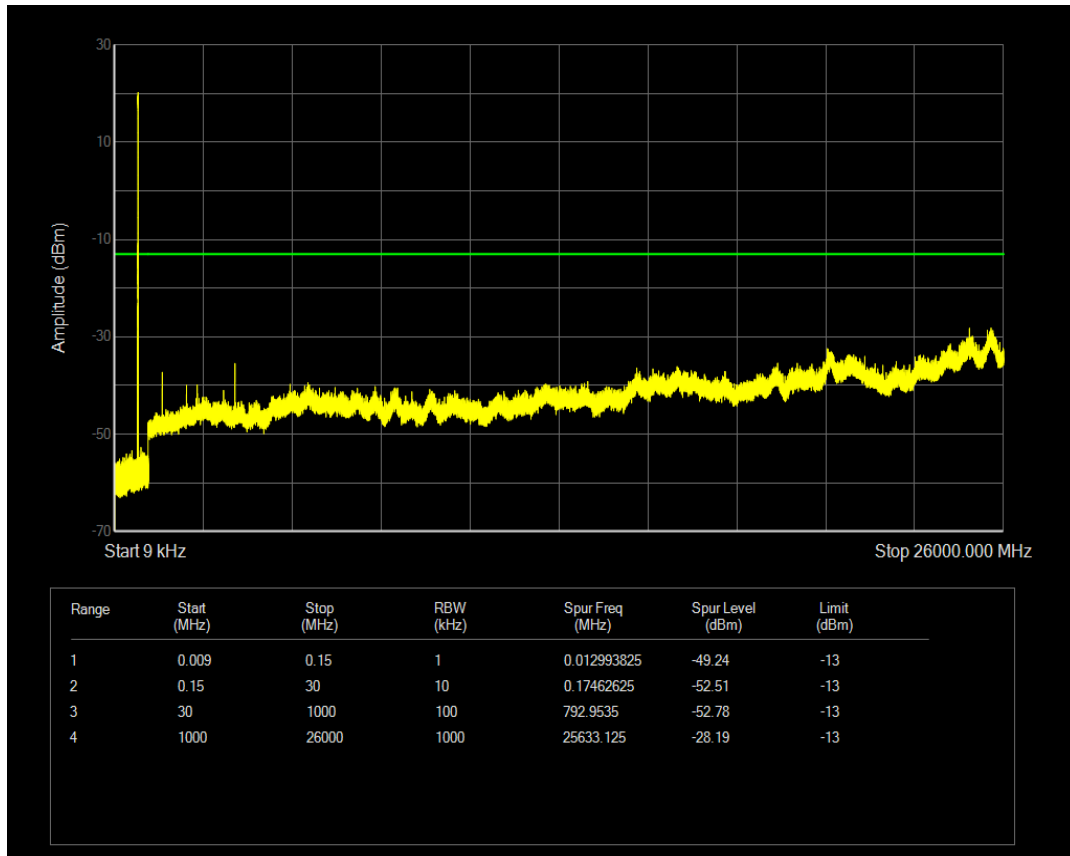
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



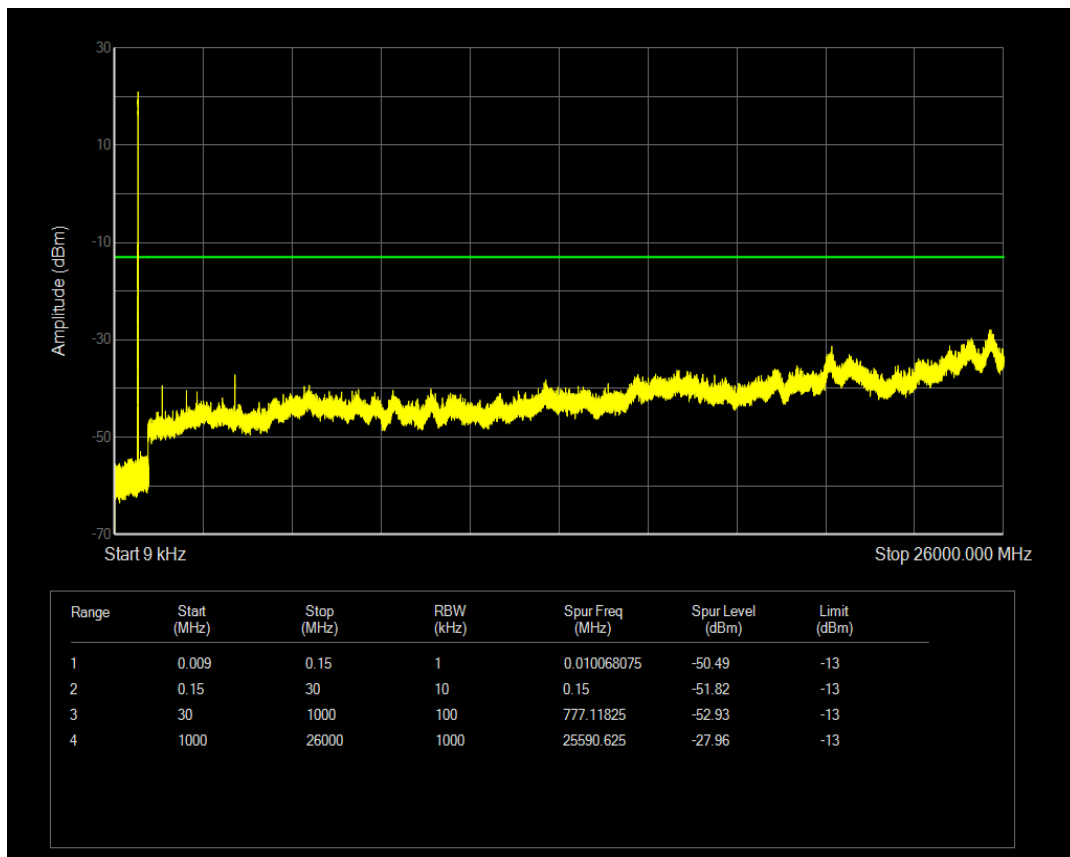
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



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

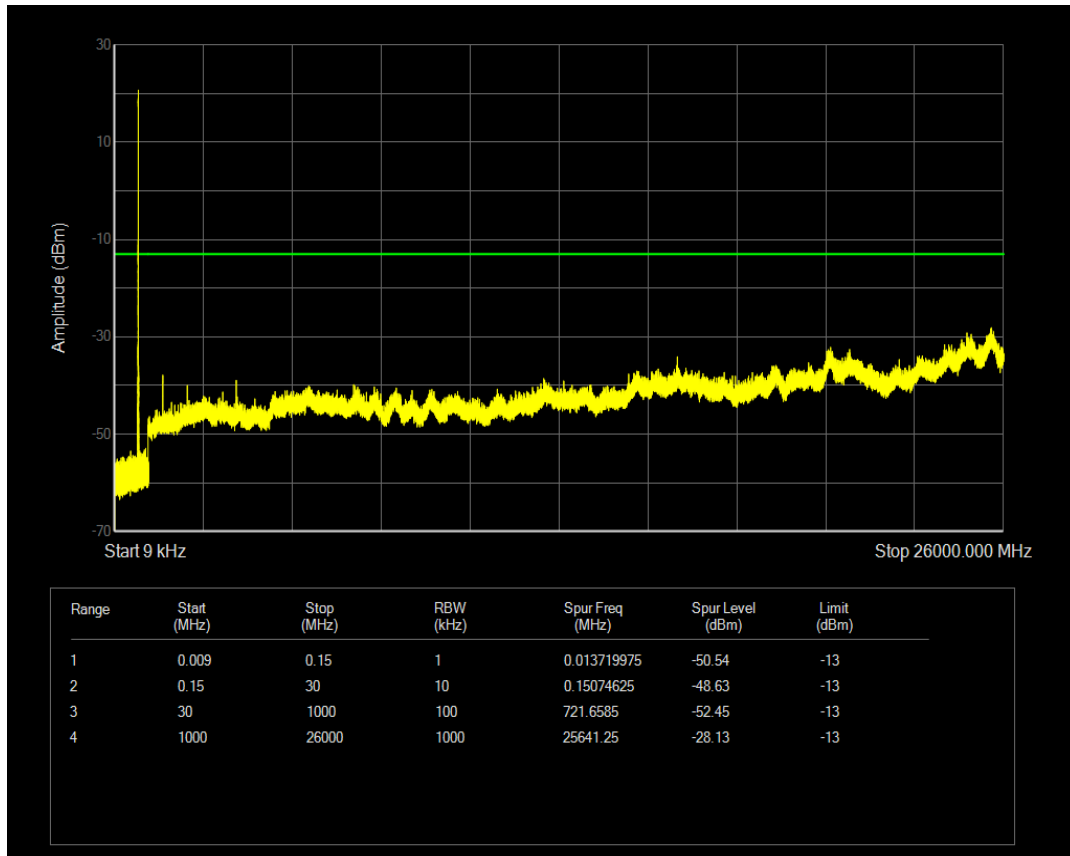


Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0

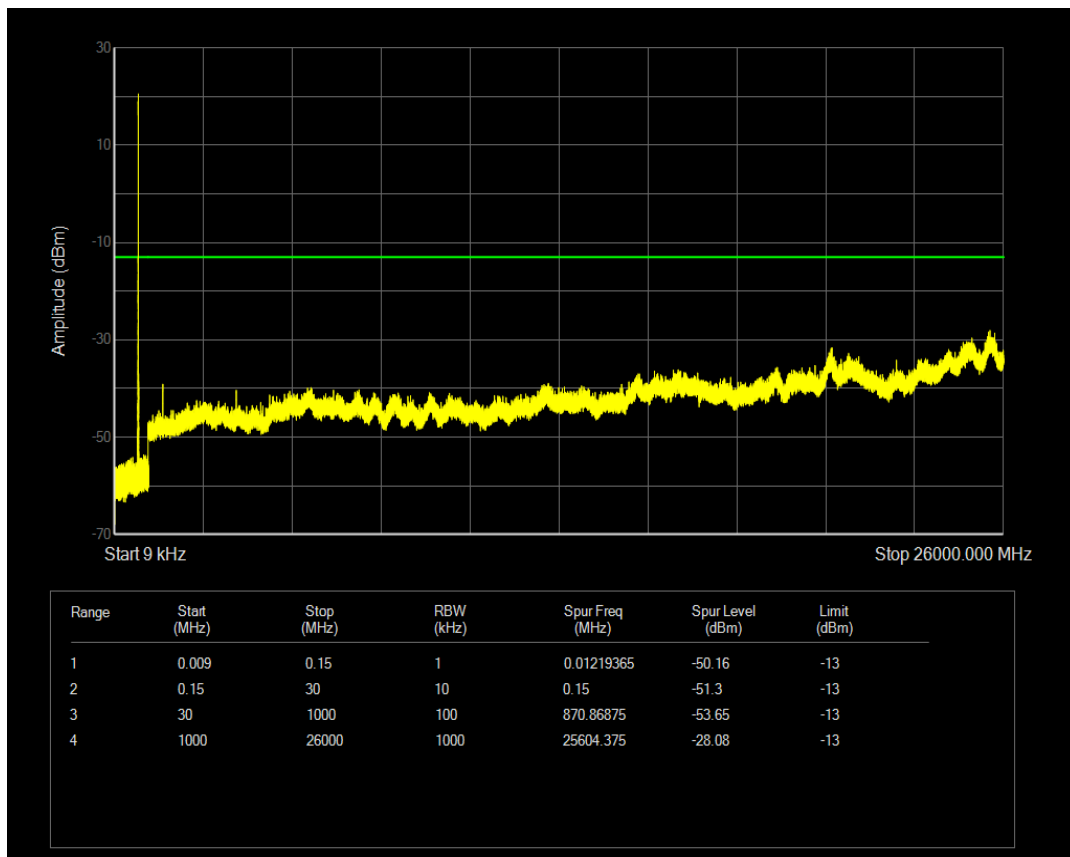


Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0

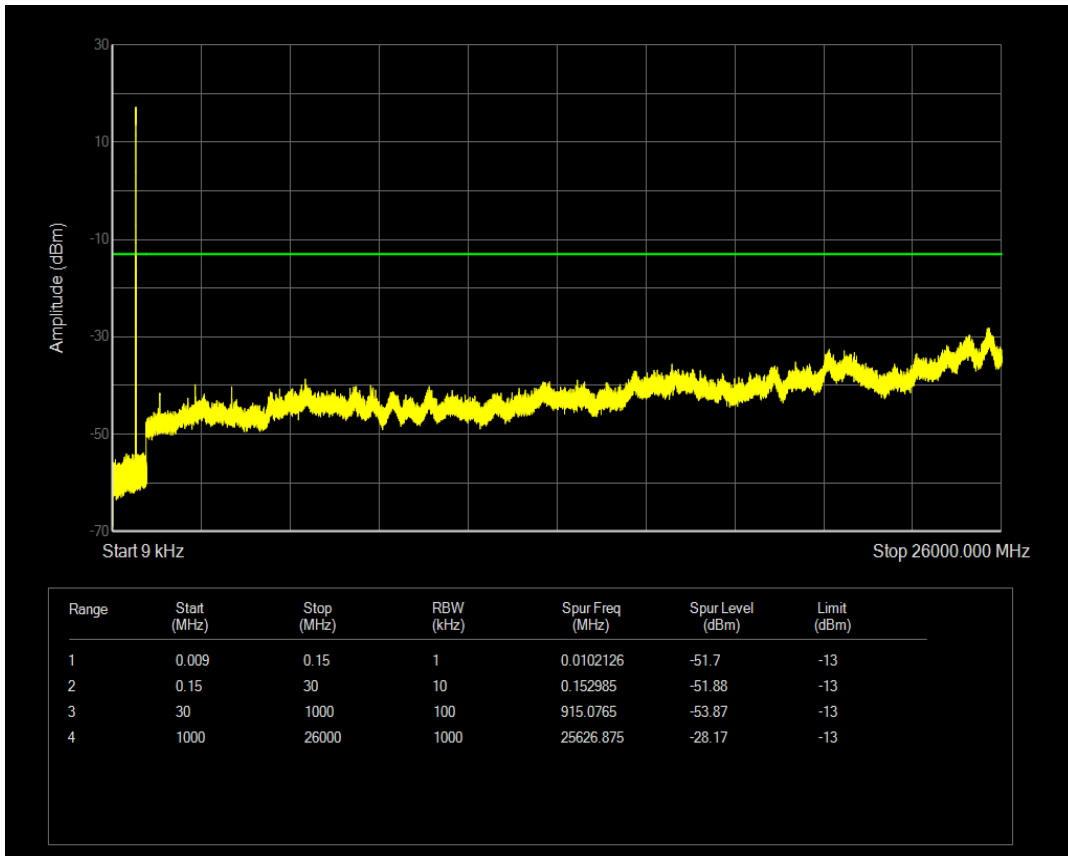




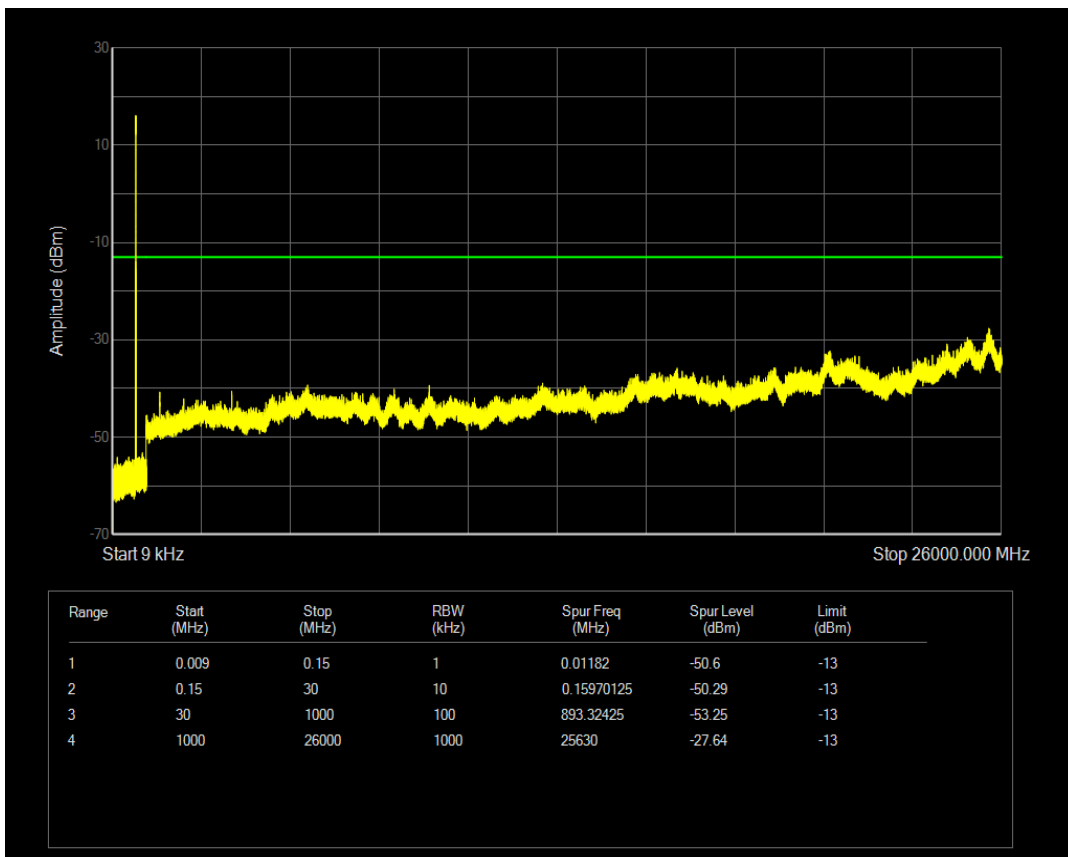
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



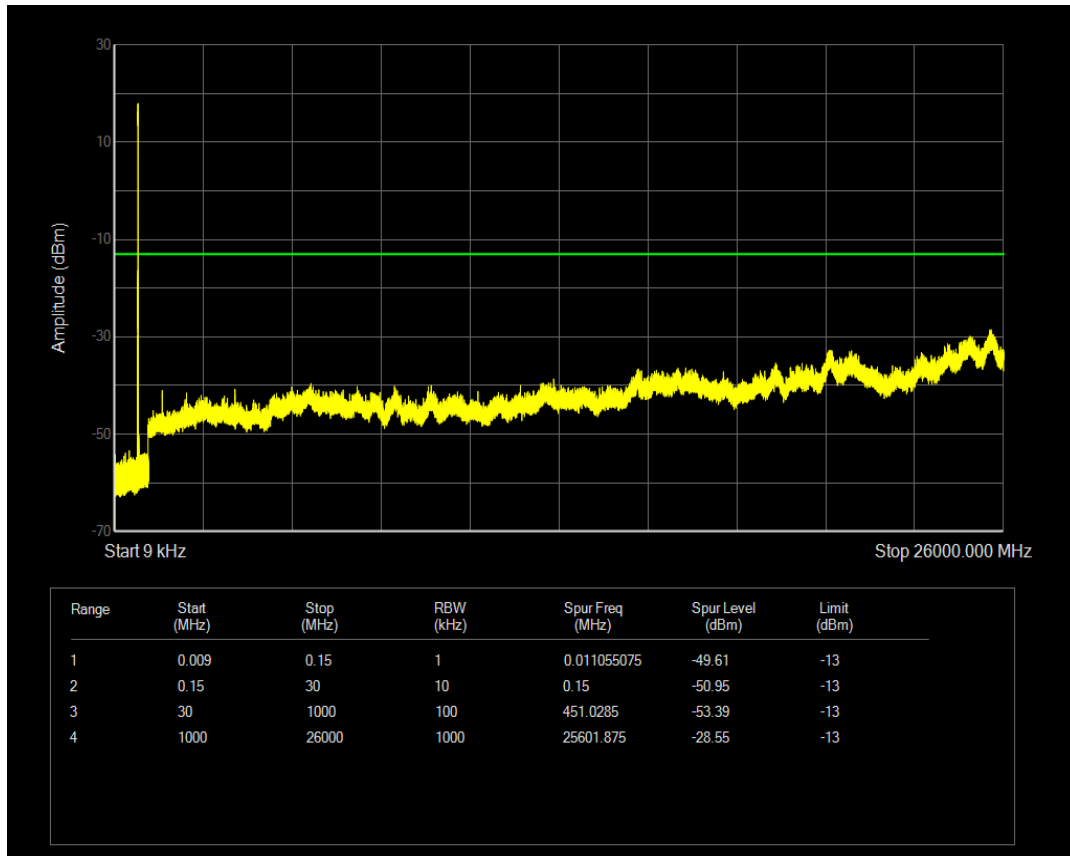
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



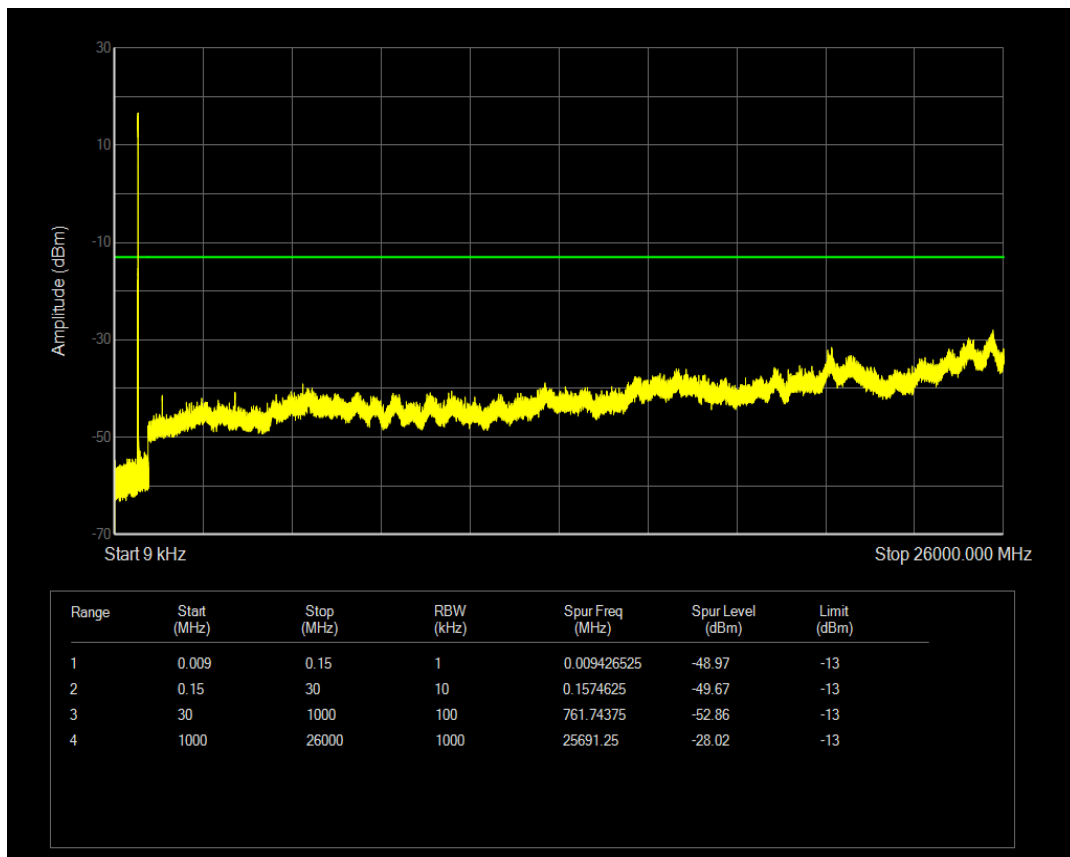
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



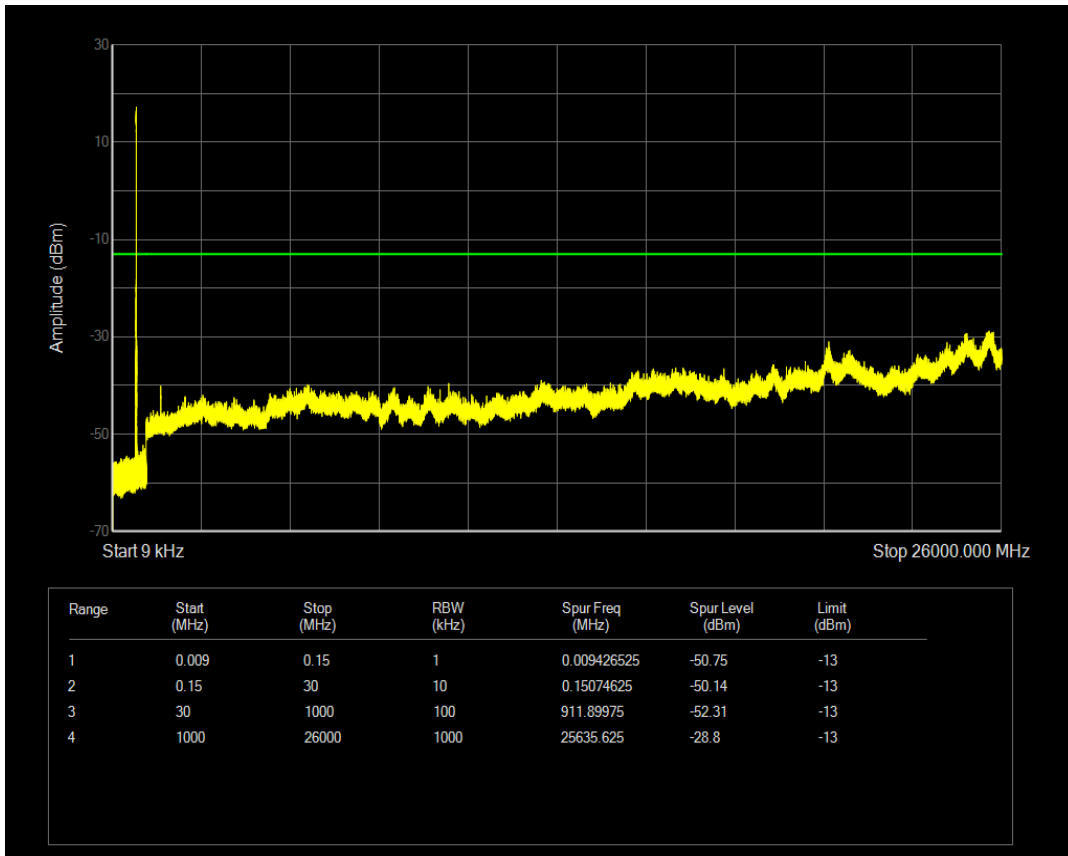
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



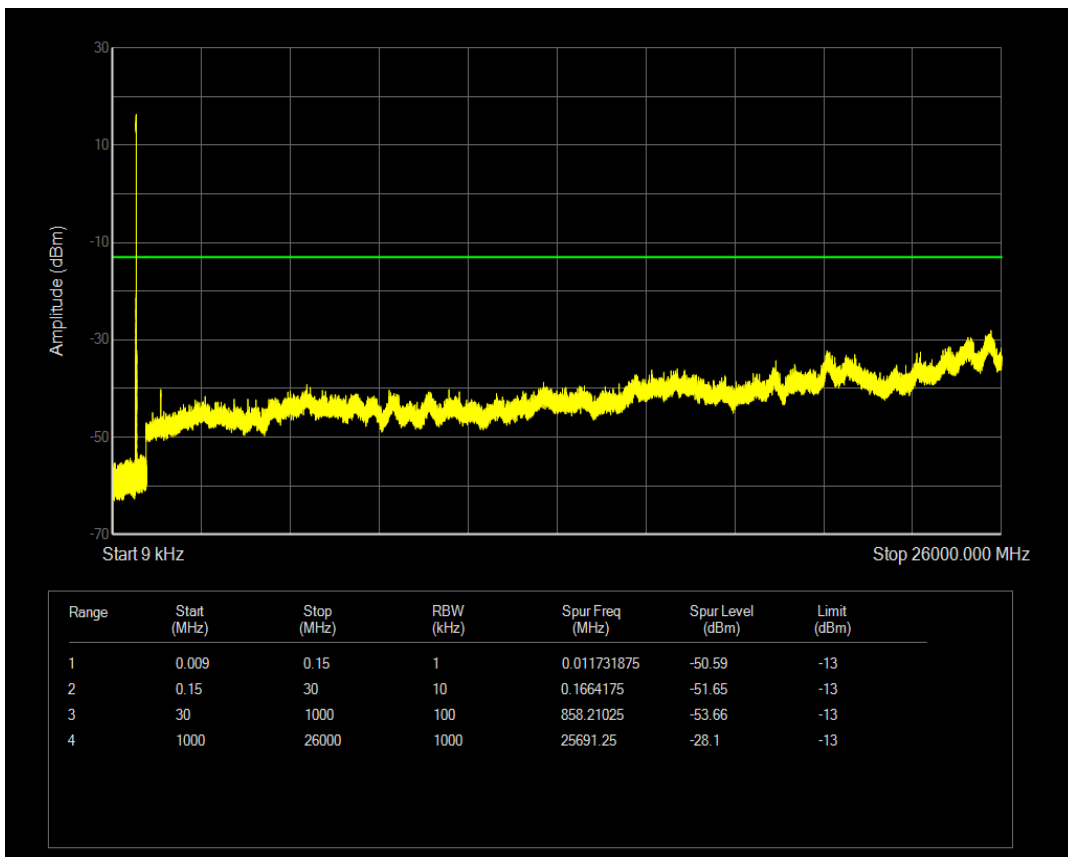
Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



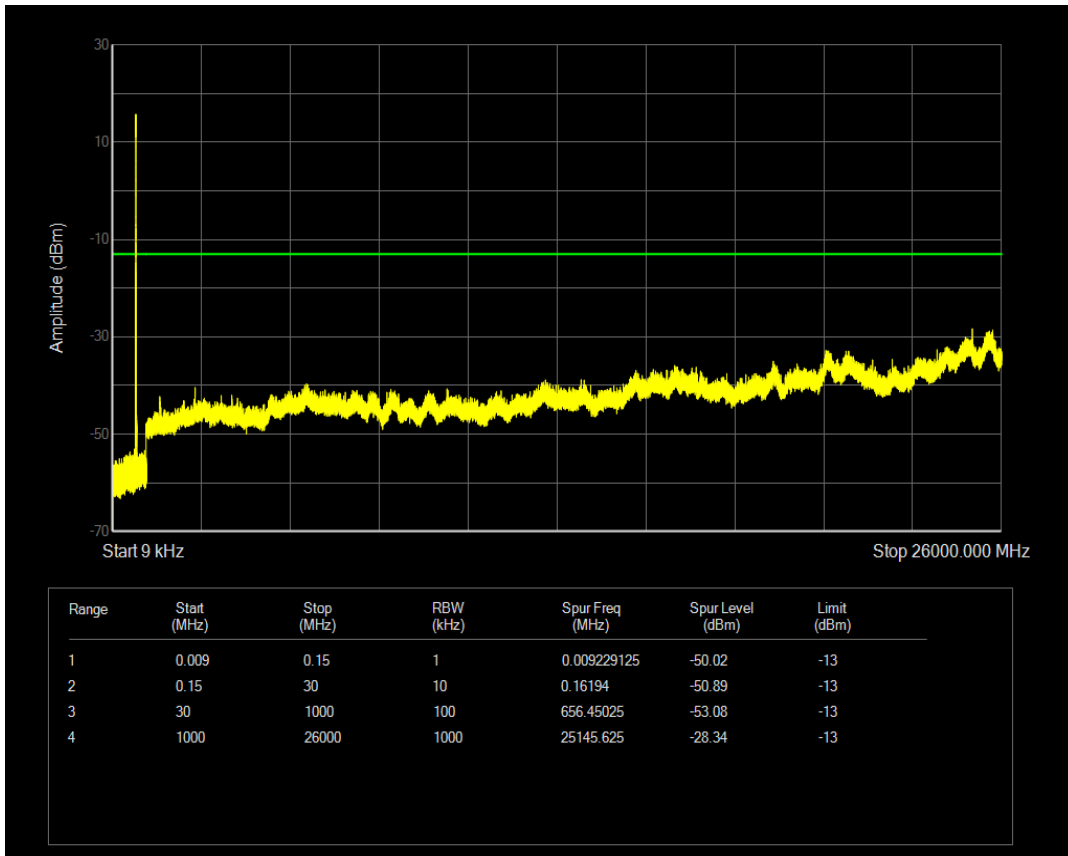
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



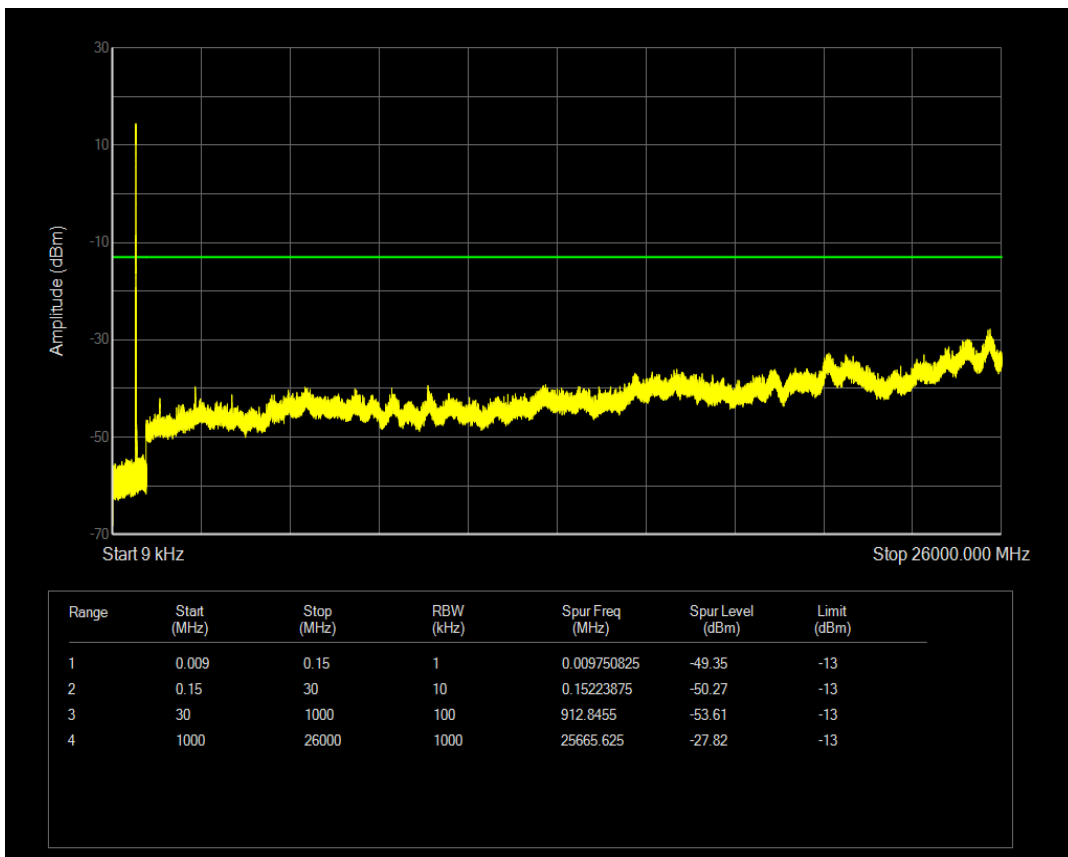
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



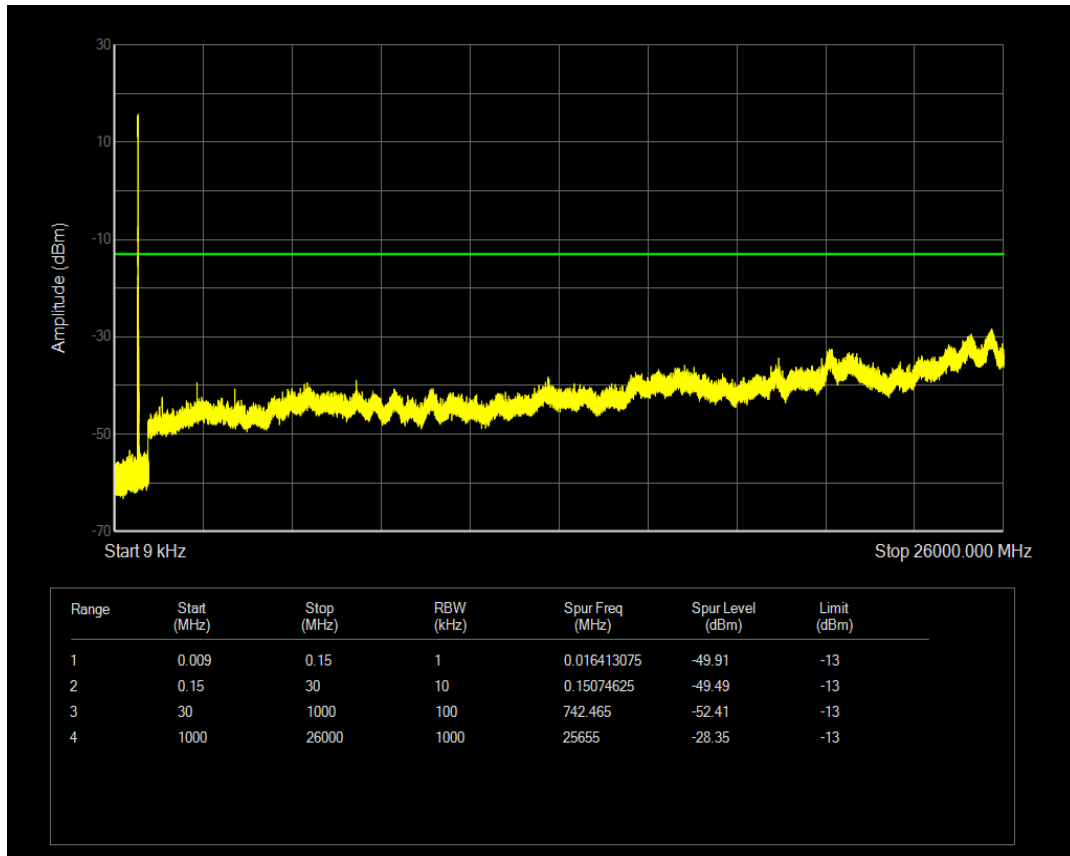
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



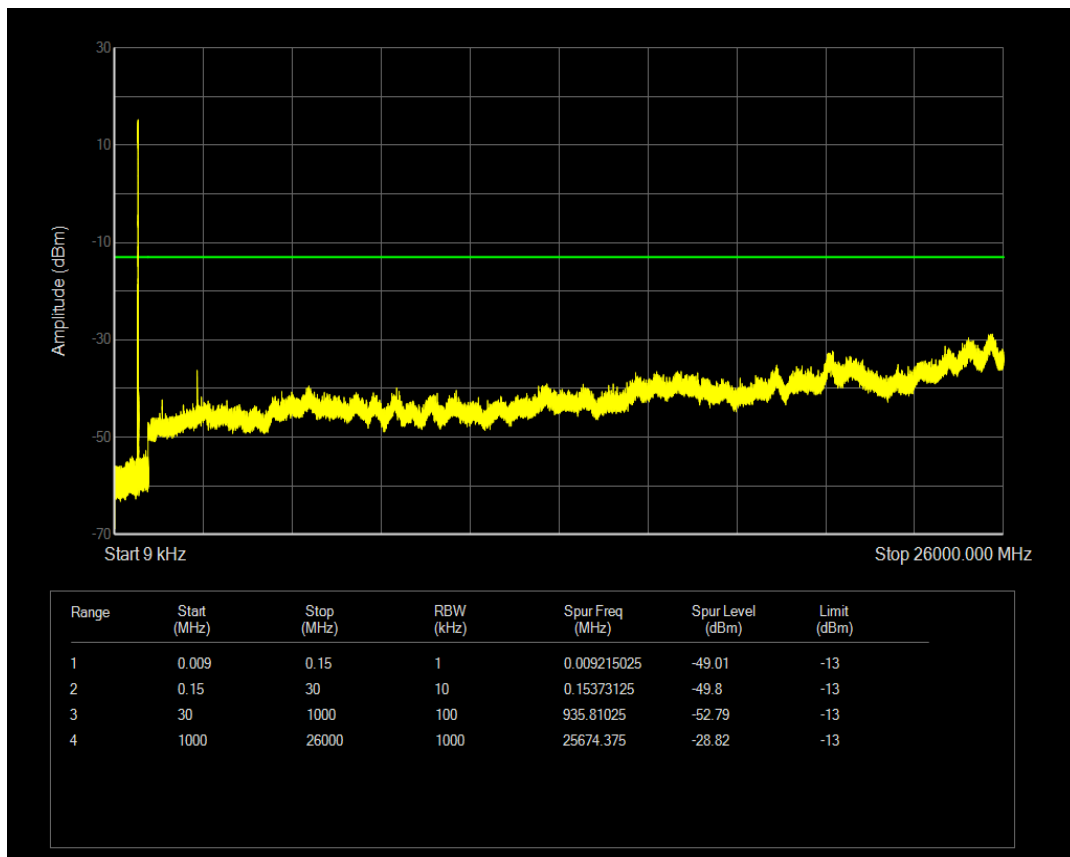
Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



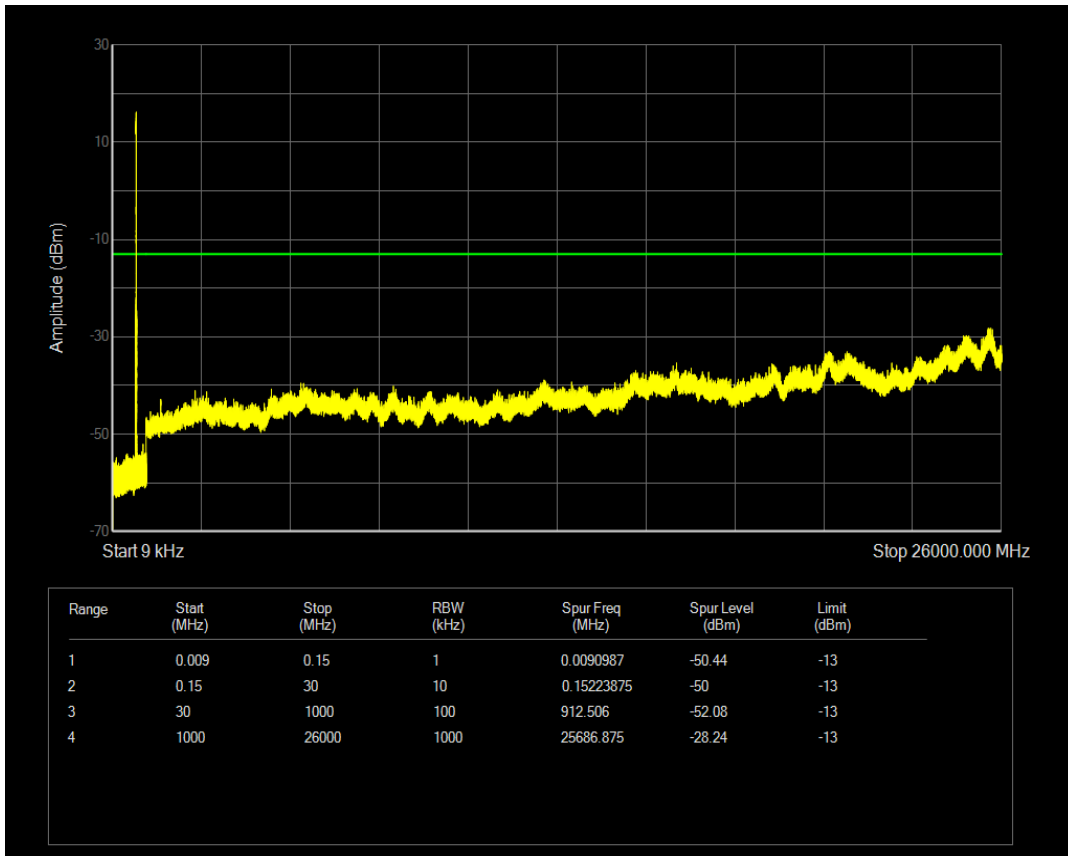
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



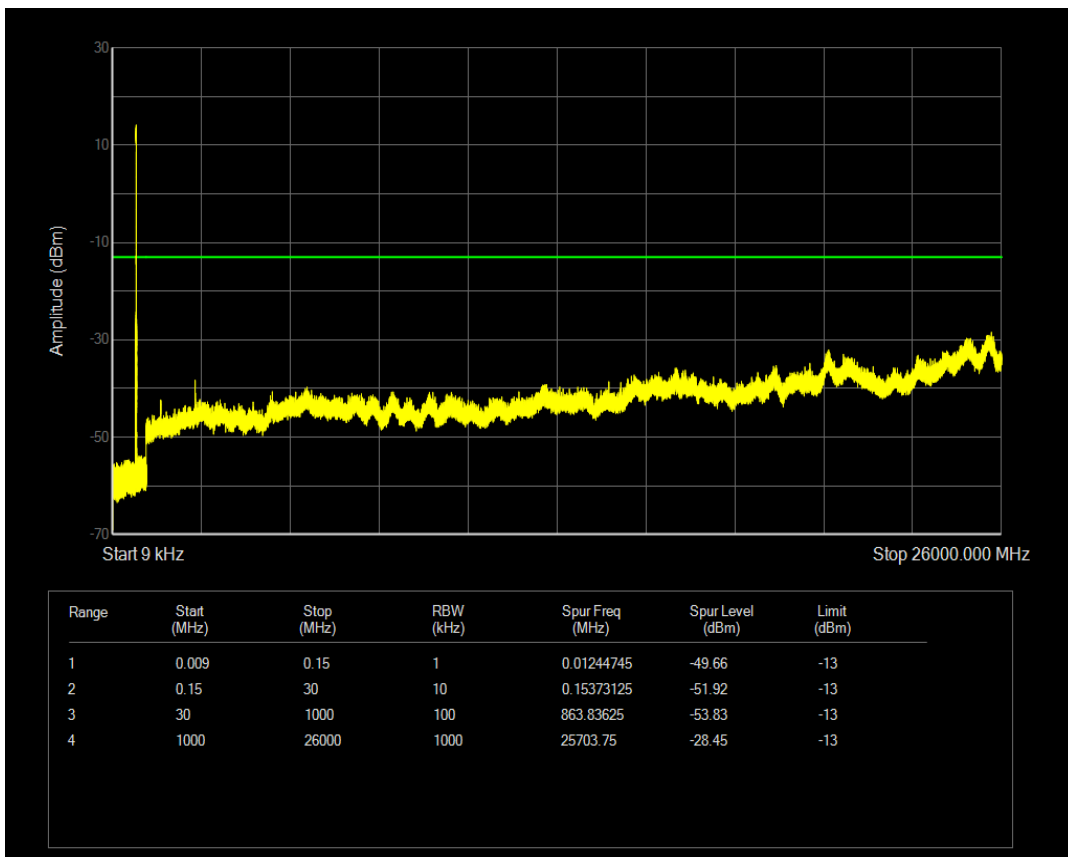
Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0



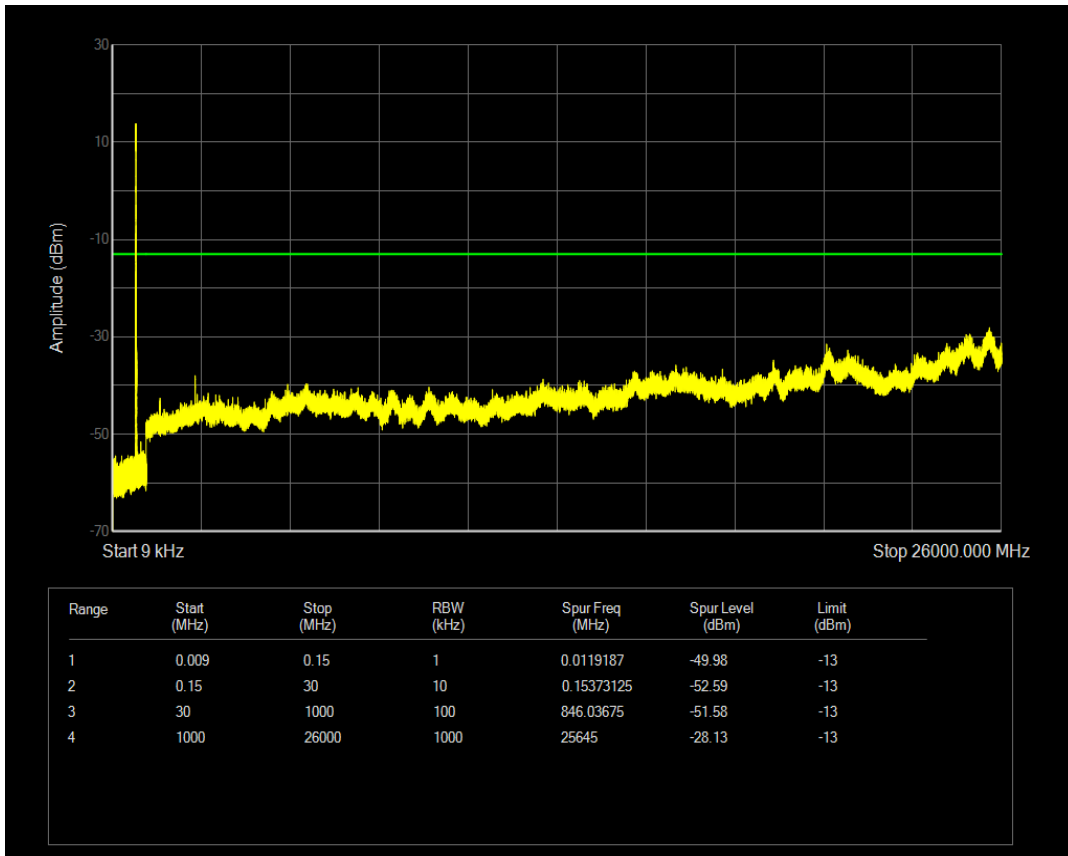
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



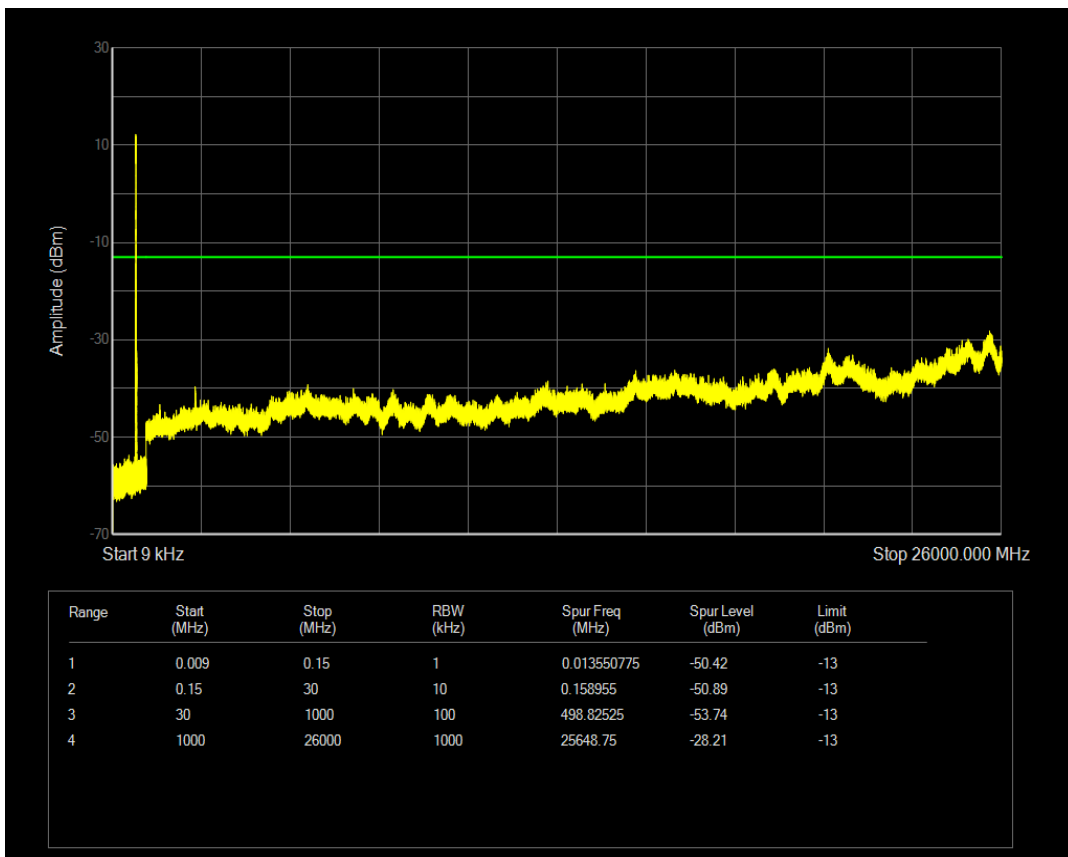
Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



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

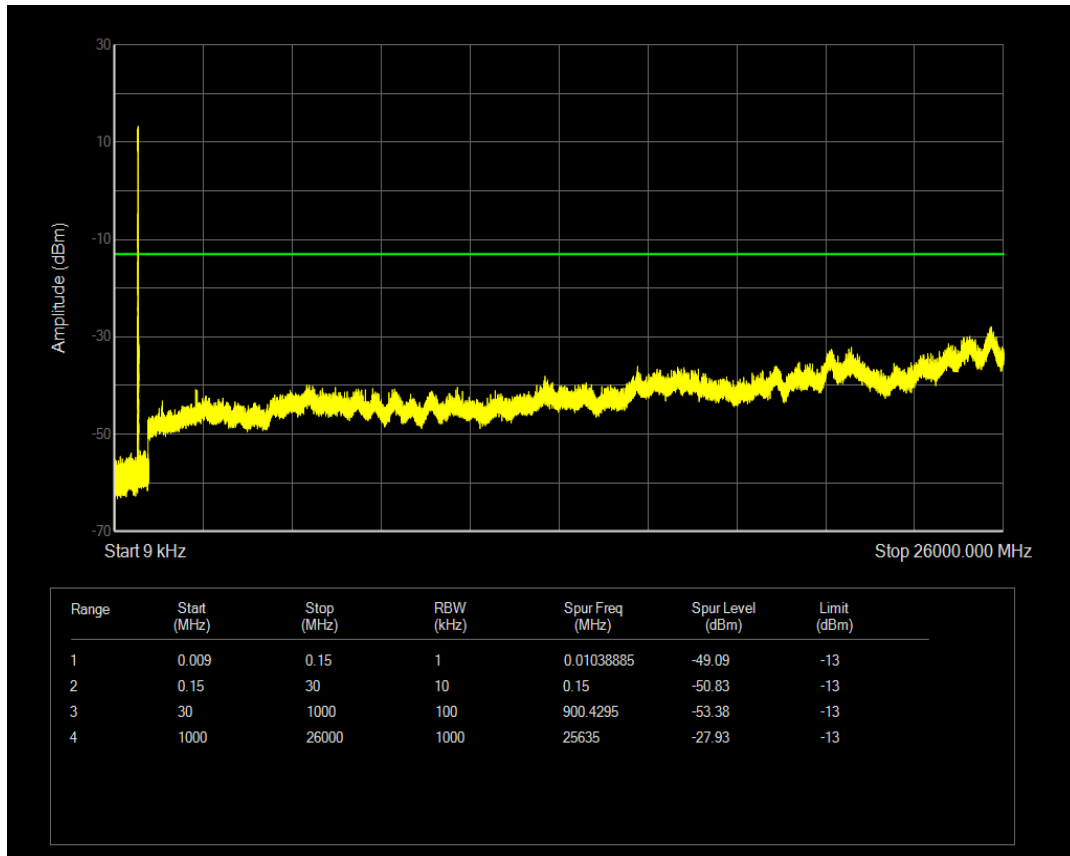


Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

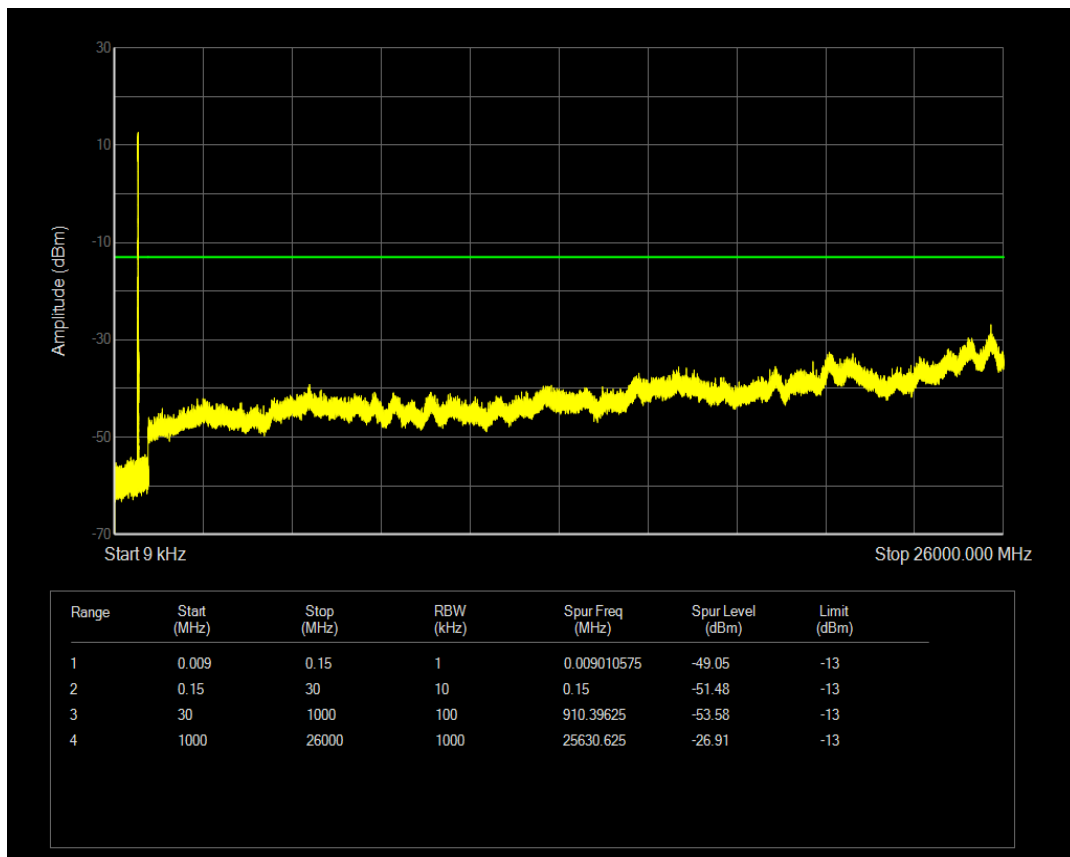


Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0

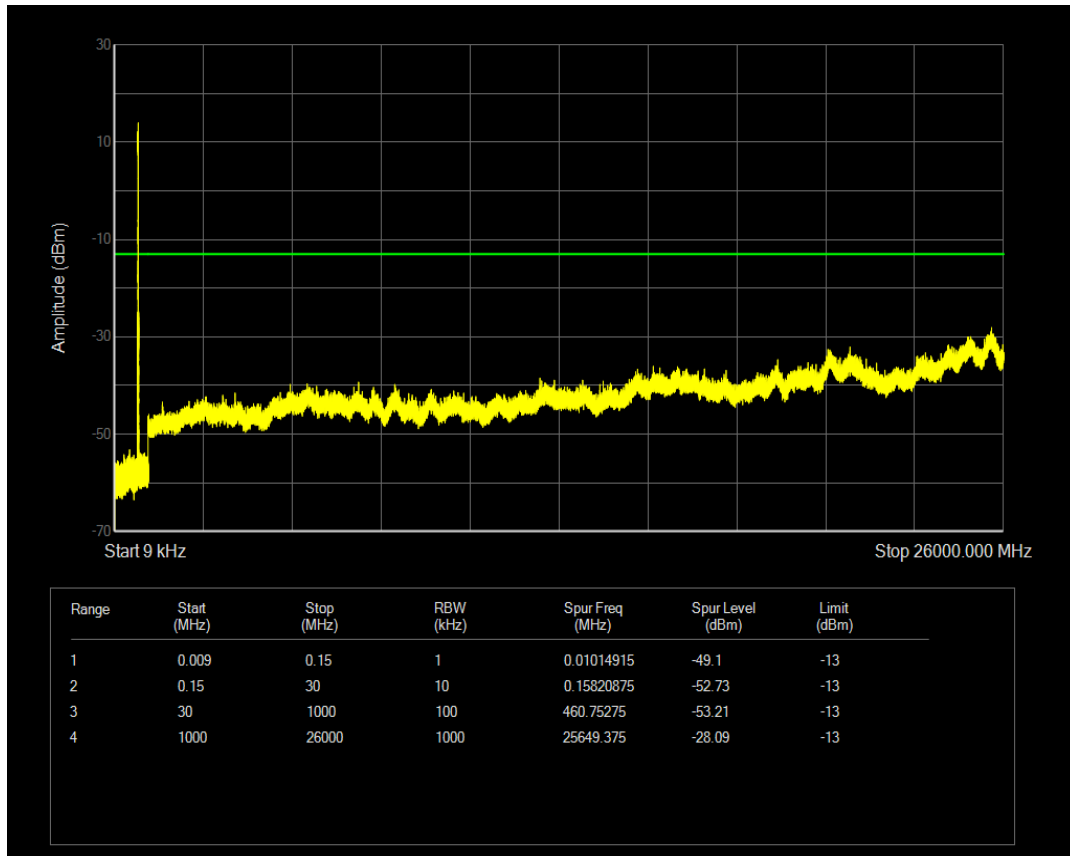




Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0



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



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

