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## 1 Conducted output power

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Conducted<br>Output AV<br>Power<br>(dBm) | Antenna<br>Gain<br>(dBi) | Antenna<br>Gain<br>(dBd) | ERP<br>(dBm) | Limt<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|------------------------------------------|--------------------------|--------------------------|--------------|---------------|---------|
| Band12 | 1.4                | 23017         | 1          | #0             | QPSK       | 22.41                                    | -7.25                    | -9.4                     | 13.01        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QPSK       | 22.39                                    | -7.25                    | -9.4                     | 12.99        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QPSK       | 22.37                                    | -7.25                    | -9.4                     | 12.97        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 3          | #0             | QPSK       | 22.40                                    | -7.25                    | -9.4                     | 13.00        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QPSK       | 22.39                                    | -7.25                    | -9.4                     | 12.99        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QPSK       | 22.40                                    | -7.25                    | -9.4                     | 13.00        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 21.37                                    | -7.25                    | -9.4                     | 11.97        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 1          | #0             | QAM16      | 21.68                                    | -7.25                    | -9.4                     | 12.28        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QAM16      | 21.59                                    | -7.25                    | -9.4                     | 12.19        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QAM16      | 21.68                                    | -7.25                    | -9.4                     | 12.28        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 3          | #0             | QAM16      | 21.60                                    | -7.25                    | -9.4                     | 12.20        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QAM16      | 21.60                                    | -7.25                    | -9.4                     | 12.20        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QAM16      | 21.62                                    | -7.25                    | -9.4                     | 12.22        | 34.77         | Pass    |
| Band12 | 1.4                | 23017         | 6          | #0             | QAM16      | 20.53                                    | -7.25                    | -9.4                     | 11.13        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 22.74                                    | -7.25                    | -9.4                     | 13.34        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QPSK       | 22.79                                    | -7.25                    | -9.4                     | 13.39        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QPSK       | 22.73                                    | -7.25                    | -9.4                     | 13.33        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 3          | #0             | QPSK       | 22.70                                    | -7.25                    | -9.4                     | 13.30        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QPSK       | 22.66                                    | -7.25                    | -9.4                     | 13.26        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QPSK       | 22.75                                    | -7.25                    | -9.4                     | 13.35        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 21.74                                    | -7.25                    | -9.4                     | 12.34        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 1          | #0             | QAM16      | 21.63                                    | -7.25                    | -9.4                     | 12.23        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QAM16      | 21.70                                    | -7.25                    | -9.4                     | 12.30        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QAM16      | 21.66                                    | -7.25                    | -9.4                     | 12.26        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 3          | #0             | QAM16      | 21.86                                    | -7.25                    | -9.4                     | 12.46        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QAM16      | 21.85                                    | -7.25                    | -9.4                     | 12.45        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QAM16      | 21.91                                    | -7.25                    | -9.4                     | 12.51        | 34.77         | Pass    |
| Band12 | 1.4                | 23095         | 6          | #0             | QAM16      | 20.88                                    | -7.25                    | -9.4                     | 11.48        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 1          | #0             | QPSK       | 22.66                                    | -7.25                    | -9.4                     | 13.26        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QPSK       | 22.67                                    | -7.25                    | -9.4                     | 13.27        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 1          | #Max           | QPSK       | 22.65                                    | -7.25                    | -9.4                     | 13.25        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 3          | #0             | QPSK       | 22.61                                    | -7.25                    | -9.4                     | 13.21        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 3          | #Mid           | QPSK       | 22.62                                    | -7.25                    | -9.4                     | 13.22        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 3          | #Max           | QPSK       | 22.64                                    | -7.25                    | -9.4                     | 13.24        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 21.64                                    | -7.25                    | -9.4                     | 12.24        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 1          | #0             | QAM16      | 21.86                                    | -7.25                    | -9.4                     | 12.46        | 34.77         | Pass    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QAM16      | 21.84                                    | -7.25                    | -9.4                     | 12.44        | 34.77         | Pass    |

|        |     |       |    |      |       |       |       |      |       |       |      |
|--------|-----|-------|----|------|-------|-------|-------|------|-------|-------|------|
| Band12 | 1.4 | 23173 | 1  | #Max | QAM16 | 21.89 | -7.25 | -9.4 | 12.49 | 34.77 | Pass |
| Band12 | 1.4 | 23173 | 3  | #0   | QAM16 | 21.84 | -7.25 | -9.4 | 12.44 | 34.77 | Pass |
| Band12 | 1.4 | 23173 | 3  | #Mid | QAM16 | 21.87 | -7.25 | -9.4 | 12.47 | 34.77 | Pass |
| Band12 | 1.4 | 23173 | 3  | #Max | QAM16 | 21.81 | -7.25 | -9.4 | 12.41 | 34.77 | Pass |
| Band12 | 1.4 | 23173 | 6  | #0   | QAM16 | 20.82 | -7.25 | -9.4 | 11.42 | 34.77 | Pass |
| Band12 | 3   | 23025 | 1  | #0   | QPSK  | 22.45 | -7.25 | -9.4 | 13.05 | 34.77 | Pass |
| Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 22.48 | -7.25 | -9.4 | 13.08 | 34.77 | Pass |
| Band12 | 3   | 23025 | 1  | #Max | QPSK  | 22.54 | -7.25 | -9.4 | 13.14 | 34.77 | Pass |
| Band12 | 3   | 23025 | 8  | #0   | QPSK  | 21.36 | -7.25 | -9.4 | 11.96 | 34.77 | Pass |
| Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 21.43 | -7.25 | -9.4 | 12.03 | 34.77 | Pass |
| Band12 | 3   | 23025 | 8  | #Max | QPSK  | 21.45 | -7.25 | -9.4 | 12.05 | 34.77 | Pass |
| Band12 | 3   | 23025 | 15 | #0   | QPSK  | 21.43 | -7.25 | -9.4 | 12.03 | 34.77 | Pass |
| Band12 | 3   | 23025 | 1  | #0   | QAM16 | 21.91 | -7.25 | -9.4 | 12.51 | 34.77 | Pass |
| Band12 | 3   | 23025 | 1  | #Mid | QAM16 | 21.93 | -7.25 | -9.4 | 12.53 | 34.77 | Pass |
| Band12 | 3   | 23025 | 1  | #Max | QAM16 | 21.99 | -7.25 | -9.4 | 12.59 | 34.77 | Pass |
| Band12 | 3   | 23025 | 8  | #0   | QAM16 | 20.44 | -7.25 | -9.4 | 11.04 | 34.77 | Pass |
| Band12 | 3   | 23025 | 8  | #Mid | QAM16 | 20.46 | -7.25 | -9.4 | 11.06 | 34.77 | Pass |
| Band12 | 3   | 23025 | 8  | #Max | QAM16 | 20.49 | -7.25 | -9.4 | 11.09 | 34.77 | Pass |
| Band12 | 3   | 23025 | 15 | #0   | QAM16 | 20.51 | -7.25 | -9.4 | 11.11 | 34.77 | Pass |
| Band12 | 3   | 23095 | 1  | #0   | QPSK  | 22.71 | -7.25 | -9.4 | 13.31 | 34.77 | Pass |
| Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 22.74 | -7.25 | -9.4 | 13.34 | 34.77 | Pass |
| Band12 | 3   | 23095 | 1  | #Max | QPSK  | 22.74 | -7.25 | -9.4 | 13.34 | 34.77 | Pass |
| Band12 | 3   | 23095 | 8  | #0   | QPSK  | 21.71 | -7.25 | -9.4 | 12.31 | 34.77 | Pass |
| Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 21.74 | -7.25 | -9.4 | 12.34 | 34.77 | Pass |
| Band12 | 3   | 23095 | 8  | #Max | QPSK  | 21.74 | -7.25 | -9.4 | 12.34 | 34.77 | Pass |
| Band12 | 3   | 23095 | 15 | #0   | QPSK  | 21.75 | -7.25 | -9.4 | 12.35 | 34.77 | Pass |
| Band12 | 3   | 23095 | 1  | #0   | QAM16 | 21.98 | -7.25 | -9.4 | 12.58 | 34.77 | Pass |
| Band12 | 3   | 23095 | 1  | #Mid | QAM16 | 22.00 | -7.25 | -9.4 | 12.60 | 34.77 | Pass |
| Band12 | 3   | 23095 | 1  | #Max | QAM16 | 21.98 | -7.25 | -9.4 | 12.58 | 34.77 | Pass |
| Band12 | 3   | 23095 | 8  | #0   | QAM16 | 20.73 | -7.25 | -9.4 | 11.33 | 34.77 | Pass |
| Band12 | 3   | 23095 | 8  | #Mid | QAM16 | 20.75 | -7.25 | -9.4 | 11.35 | 34.77 | Pass |
| Band12 | 3   | 23095 | 8  | #Max | QAM16 | 20.76 | -7.25 | -9.4 | 11.36 | 34.77 | Pass |
| Band12 | 3   | 23095 | 15 | #0   | QAM16 | 20.70 | -7.25 | -9.4 | 11.30 | 34.77 | Pass |
| Band12 | 3   | 23165 | 1  | #0   | QPSK  | 22.76 | -7.25 | -9.4 | 13.36 | 34.77 | Pass |
| Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 22.72 | -7.25 | -9.4 | 13.32 | 34.77 | Pass |
| Band12 | 3   | 23165 | 1  | #Max | QPSK  | 22.71 | -7.25 | -9.4 | 13.31 | 34.77 | Pass |
| Band12 | 3   | 23165 | 8  | #0   | QPSK  | 21.68 | -7.25 | -9.4 | 12.28 | 34.77 | Pass |
| Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 21.68 | -7.25 | -9.4 | 12.28 | 34.77 | Pass |
| Band12 | 3   | 23165 | 8  | #Max | QPSK  | 21.64 | -7.25 | -9.4 | 12.24 | 34.77 | Pass |
| Band12 | 3   | 23165 | 15 | #0   | QPSK  | 21.67 | -7.25 | -9.4 | 12.27 | 34.77 | Pass |
| Band12 | 3   | 23165 | 1  | #0   | QAM16 | 22.17 | -7.25 | -9.4 | 12.77 | 34.77 | Pass |
| Band12 | 3   | 23165 | 1  | #Mid | QAM16 | 22.13 | -7.25 | -9.4 | 12.73 | 34.77 | Pass |
| Band12 | 3   | 23165 | 1  | #Max | QAM16 | 22.10 | -7.25 | -9.4 | 12.70 | 34.77 | Pass |
| Band12 | 3   | 23165 | 8  | #0   | QAM16 | 20.73 | -7.25 | -9.4 | 11.33 | 34.77 | Pass |

|        |   |       |    |      |       |       |       |      |       |       |      |
|--------|---|-------|----|------|-------|-------|-------|------|-------|-------|------|
| Band12 | 3 | 23165 | 8  | #Mid | QAM16 | 20.69 | -7.25 | -9.4 | 11.29 | 34.77 | Pass |
| Band12 | 3 | 23165 | 8  | #Max | QAM16 | 20.67 | -7.25 | -9.4 | 11.27 | 34.77 | Pass |
| Band12 | 3 | 23165 | 15 | #0   | QAM16 | 20.68 | -7.25 | -9.4 | 11.28 | 34.77 | Pass |
| Band12 | 5 | 23035 | 1  | #0   | QPSK  | 22.50 | -7.25 | -9.4 | 13.10 | 34.77 | Pass |
| Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 22.56 | -7.25 | -9.4 | 13.16 | 34.77 | Pass |
| Band12 | 5 | 23035 | 1  | #Max | QPSK  | 22.66 | -7.25 | -9.4 | 13.26 | 34.77 | Pass |
| Band12 | 5 | 23035 | 12 | #0   | QPSK  | 21.47 | -7.25 | -9.4 | 12.07 | 34.77 | Pass |
| Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 21.51 | -7.25 | -9.4 | 12.11 | 34.77 | Pass |
| Band12 | 5 | 23035 | 12 | #Max | QPSK  | 21.56 | -7.25 | -9.4 | 12.16 | 34.77 | Pass |
| Band12 | 5 | 23035 | 25 | #0   | QPSK  | 21.53 | -7.25 | -9.4 | 12.13 | 34.77 | Pass |
| Band12 | 5 | 23035 | 1  | #0   | QAM16 | 21.86 | -7.25 | -9.4 | 12.46 | 34.77 | Pass |
| Band12 | 5 | 23035 | 1  | #Mid | QAM16 | 21.89 | -7.25 | -9.4 | 12.49 | 34.77 | Pass |
| Band12 | 5 | 23035 | 1  | #Max | QAM16 | 22.03 | -7.25 | -9.4 | 12.63 | 34.77 | Pass |
| Band12 | 5 | 23035 | 12 | #0   | QAM16 | 20.49 | -7.25 | -9.4 | 11.09 | 34.77 | Pass |
| Band12 | 5 | 23035 | 12 | #Mid | QAM16 | 20.55 | -7.25 | -9.4 | 11.15 | 34.77 | Pass |
| Band12 | 5 | 23035 | 12 | #Max | QAM16 | 20.64 | -7.25 | -9.4 | 11.24 | 34.77 | Pass |
| Band12 | 5 | 23035 | 25 | #0   | QAM16 | 20.50 | -7.25 | -9.4 | 11.10 | 34.77 | Pass |
| Band12 | 5 | 23095 | 1  | #0   | QPSK  | 22.87 | -7.25 | -9.4 | 13.47 | 34.77 | Pass |
| Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 22.89 | -7.25 | -9.4 | 13.49 | 34.77 | Pass |
| Band12 | 5 | 23095 | 1  | #Max | QPSK  | 22.94 | -7.25 | -9.4 | 13.54 | 34.77 | Pass |
| Band12 | 5 | 23095 | 12 | #0   | QPSK  | 21.77 | -7.25 | -9.4 | 12.37 | 34.77 | Pass |
| Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 21.76 | -7.25 | -9.4 | 12.36 | 34.77 | Pass |
| Band12 | 5 | 23095 | 12 | #Max | QPSK  | 21.79 | -7.25 | -9.4 | 12.39 | 34.77 | Pass |
| Band12 | 5 | 23095 | 25 | #0   | QPSK  | 21.80 | -7.25 | -9.4 | 12.40 | 34.77 | Pass |
| Band12 | 5 | 23095 | 1  | #0   | QAM16 | 22.36 | -7.25 | -9.4 | 12.96 | 34.77 | Pass |
| Band12 | 5 | 23095 | 1  | #Mid | QAM16 | 22.32 | -7.25 | -9.4 | 12.92 | 34.77 | Pass |
| Band12 | 5 | 23095 | 1  | #Max | QAM16 | 22.38 | -7.25 | -9.4 | 12.98 | 34.77 | Pass |
| Band12 | 5 | 23095 | 12 | #0   | QAM16 | 20.77 | -7.25 | -9.4 | 11.37 | 34.77 | Pass |
| Band12 | 5 | 23095 | 12 | #Mid | QAM16 | 20.78 | -7.25 | -9.4 | 11.38 | 34.77 | Pass |
| Band12 | 5 | 23095 | 12 | #Max | QAM16 | 20.77 | -7.25 | -9.4 | 11.37 | 34.77 | Pass |
| Band12 | 5 | 23095 | 25 | #0   | QAM16 | 20.78 | -7.25 | -9.4 | 11.38 | 34.77 | Pass |
| Band12 | 5 | 23155 | 1  | #0   | QPSK  | 22.95 | -7.25 | -9.4 | 13.55 | 34.77 | Pass |
| Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 22.83 | -7.25 | -9.4 | 13.43 | 34.77 | Pass |
| Band12 | 5 | 23155 | 1  | #Max | QPSK  | 22.92 | -7.25 | -9.4 | 13.52 | 34.77 | Pass |
| Band12 | 5 | 23155 | 12 | #0   | QPSK  | 21.84 | -7.25 | -9.4 | 12.44 | 34.77 | Pass |
| Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 21.71 | -7.25 | -9.4 | 12.31 | 34.77 | Pass |
| Band12 | 5 | 23155 | 12 | #Max | QPSK  | 21.62 | -7.25 | -9.4 | 12.22 | 34.77 | Pass |
| Band12 | 5 | 23155 | 25 | #0   | QPSK  | 21.75 | -7.25 | -9.4 | 12.35 | 34.77 | Pass |
| Band12 | 5 | 23155 | 1  | #0   | QAM16 | 22.31 | -7.25 | -9.4 | 12.91 | 34.77 | Pass |
| Band12 | 5 | 23155 | 1  | #Mid | QAM16 | 22.21 | -7.25 | -9.4 | 12.81 | 34.77 | Pass |
| Band12 | 5 | 23155 | 1  | #Max | QAM16 | 22.26 | -7.25 | -9.4 | 12.86 | 34.77 | Pass |
| Band12 | 5 | 23155 | 12 | #0   | QAM16 | 20.78 | -7.25 | -9.4 | 11.38 | 34.77 | Pass |
| Band12 | 5 | 23155 | 12 | #Mid | QAM16 | 20.66 | -7.25 | -9.4 | 11.26 | 34.77 | Pass |
| Band12 | 5 | 23155 | 12 | #Max | QAM16 | 20.54 | -7.25 | -9.4 | 11.14 | 34.77 | Pass |

|        |    |       |    |      |       |       |       |      |       |       |      |
|--------|----|-------|----|------|-------|-------|-------|------|-------|-------|------|
| Band12 | 5  | 23155 | 25 | #0   | QAM16 | 20.75 | -7.25 | -9.4 | 11.35 | 34.77 | Pass |
| Band12 | 10 | 23060 | 1  | #0   | QPSK  | 22.55 | -7.25 | -9.4 | 13.15 | 34.77 | Pass |
| Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 22.65 | -7.25 | -9.4 | 13.25 | 34.77 | Pass |
| Band12 | 10 | 23060 | 1  | #Max | QPSK  | 22.85 | -7.25 | -9.4 | 13.45 | 34.77 | Pass |
| Band12 | 10 | 23060 | 25 | #0   | QPSK  | 21.52 | -7.25 | -9.4 | 12.12 | 34.77 | Pass |
| Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 21.64 | -7.25 | -9.4 | 12.24 | 34.77 | Pass |
| Band12 | 10 | 23060 | 25 | #Max | QPSK  | 21.68 | -7.25 | -9.4 | 12.28 | 34.77 | Pass |
| Band12 | 10 | 23060 | 50 | #0   | QPSK  | 21.65 | -7.25 | -9.4 | 12.25 | 34.77 | Pass |
| Band12 | 10 | 23060 | 1  | #0   | QAM16 | 21.97 | -7.25 | -9.4 | 12.57 | 34.77 | Pass |
| Band12 | 10 | 23060 | 1  | #Mid | QAM16 | 22.05 | -7.25 | -9.4 | 12.65 | 34.77 | Pass |
| Band12 | 10 | 23060 | 1  | #Max | QAM16 | 22.29 | -7.25 | -9.4 | 12.89 | 34.77 | Pass |
| Band12 | 10 | 23060 | 25 | #0   | QAM16 | 20.52 | -7.25 | -9.4 | 11.12 | 34.77 | Pass |
| Band12 | 10 | 23060 | 25 | #Mid | QAM16 | 20.64 | -7.25 | -9.4 | 11.24 | 34.77 | Pass |
| Band12 | 10 | 23060 | 25 | #Max | QAM16 | 20.69 | -7.25 | -9.4 | 11.29 | 34.77 | Pass |
| Band12 | 10 | 23060 | 50 | #0   | QAM16 | 20.62 | -7.25 | -9.4 | 11.22 | 34.77 | Pass |
| Band12 | 10 | 23095 | 1  | #0   | QPSK  | 22.67 | -7.25 | -9.4 | 13.27 | 34.77 | Pass |
| Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 22.84 | -7.25 | -9.4 | 13.44 | 34.77 | Pass |
| Band12 | 10 | 23095 | 1  | #Max | QPSK  | 22.83 | -7.25 | -9.4 | 13.43 | 34.77 | Pass |
| Band12 | 10 | 23095 | 25 | #0   | QPSK  | 21.66 | -7.25 | -9.4 | 12.26 | 34.77 | Pass |
| Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 21.75 | -7.25 | -9.4 | 12.35 | 34.77 | Pass |
| Band12 | 10 | 23095 | 25 | #Max | QPSK  | 21.72 | -7.25 | -9.4 | 12.32 | 34.77 | Pass |
| Band12 | 10 | 23095 | 50 | #0   | QPSK  | 21.73 | -7.25 | -9.4 | 12.33 | 34.77 | Pass |
| Band12 | 10 | 23095 | 1  | #0   | QAM16 | 21.88 | -7.25 | -9.4 | 12.48 | 34.77 | Pass |
| Band12 | 10 | 23095 | 1  | #Mid | QAM16 | 22.04 | -7.25 | -9.4 | 12.64 | 34.77 | Pass |
| Band12 | 10 | 23095 | 1  | #Max | QAM16 | 22.06 | -7.25 | -9.4 | 12.66 | 34.77 | Pass |
| Band12 | 10 | 23095 | 25 | #0   | QAM16 | 20.70 | -7.25 | -9.4 | 11.30 | 34.77 | Pass |
| Band12 | 10 | 23095 | 25 | #Mid | QAM16 | 20.80 | -7.25 | -9.4 | 11.40 | 34.77 | Pass |
| Band12 | 10 | 23095 | 25 | #Max | QAM16 | 20.71 | -7.25 | -9.4 | 11.31 | 34.77 | Pass |
| Band12 | 10 | 23095 | 50 | #0   | QAM16 | 20.75 | -7.25 | -9.4 | 11.35 | 34.77 | Pass |
| Band12 | 10 | 23130 | 1  | #0   | QPSK  | 22.88 | -7.25 | -9.4 | 13.48 | 34.77 | Pass |
| Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 22.86 | -7.25 | -9.4 | 13.46 | 34.77 | Pass |
| Band12 | 10 | 23130 | 1  | #Max | QPSK  | 22.84 | -7.25 | -9.4 | 13.44 | 34.77 | Pass |
| Band12 | 10 | 23130 | 25 | #0   | QPSK  | 21.78 | -7.25 | -9.4 | 12.38 | 34.77 | Pass |
| Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 21.78 | -7.25 | -9.4 | 12.38 | 34.77 | Pass |
| Band12 | 10 | 23130 | 25 | #Max | QPSK  | 21.59 | -7.25 | -9.4 | 12.19 | 34.77 | Pass |
| Band12 | 10 | 23130 | 50 | #0   | QPSK  | 21.75 | -7.25 | -9.4 | 12.35 | 34.77 | Pass |
| Band12 | 10 | 23130 | 1  | #0   | QAM16 | 21.78 | -7.25 | -9.4 | 12.38 | 34.77 | Pass |
| Band12 | 10 | 23130 | 1  | #Mid | QAM16 | 21.70 | -7.25 | -9.4 | 12.30 | 34.77 | Pass |
| Band12 | 10 | 23130 | 1  | #Max | QAM16 | 21.68 | -7.25 | -9.4 | 12.28 | 34.77 | Pass |
| Band12 | 10 | 23130 | 25 | #0   | QAM16 | 20.79 | -7.25 | -9.4 | 11.39 | 34.77 | Pass |
| Band12 | 10 | 23130 | 25 | #Mid | QAM16 | 20.77 | -7.25 | -9.4 | 11.37 | 34.77 | Pass |
| Band12 | 10 | 23130 | 25 | #Max | QAM16 | 20.59 | -7.25 | -9.4 | 11.19 | 34.77 | Pass |
| Band12 | 10 | 23130 | 50 | #0   | QAM16 | 20.72 | -7.25 | -9.4 | 11.32 | 34.77 | Pass |

## 2 Frequency stability

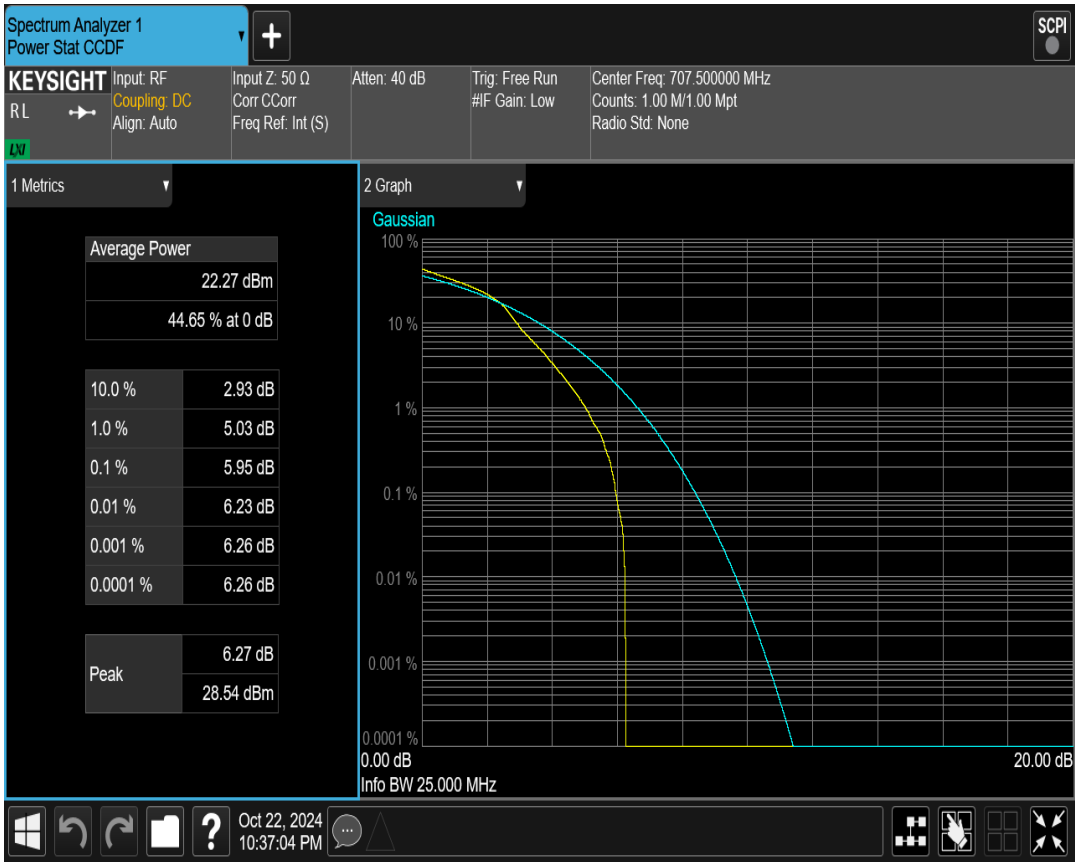
| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>Result(Hz)</i> | <i>Result<br/>(ppm)</i> | <i>Low<br/>Limit<br/>(ppm)</i> | <i>high<br/>Limit<br/>(ppm)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|-------------------|-------------------------|--------------------------------|---------------------------------|----------------|
| Band12      | 10                         | 23060                 | 50                 | #0                     | QPSK              | -0.07             | 0.000                   | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QAM16             | -1.50             | -0.002                  | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QPSK              | -2.04             | -0.003                  | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QAM16             | -2.16             | -0.003                  | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QPSK              | -1.31             | -0.002                  | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QAM16             | -4.87             | -0.007                  | -2.5                           | 2.5                             | PASS           |

Note: (Voltage: 3.78V, Temperature: 25°C) only reflect the worst mode.

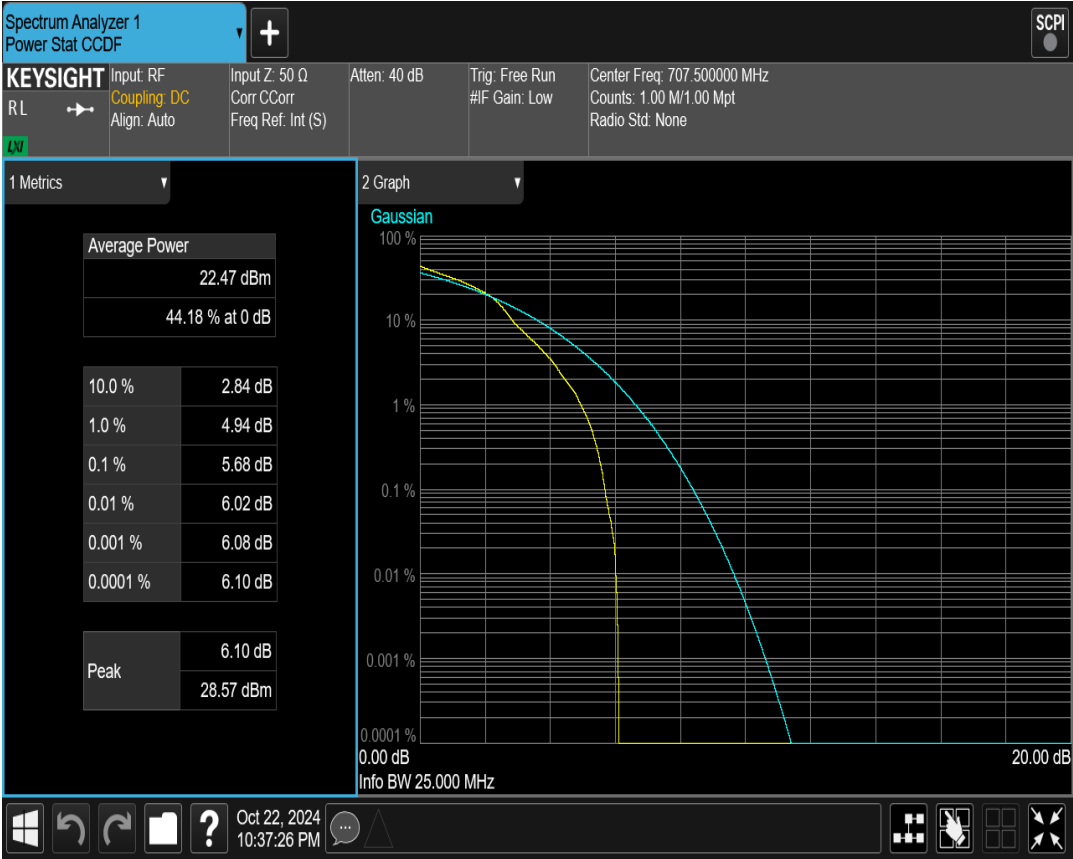
### 3 Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 5.13        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | QAM16      | 5.95        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | QPSK       | 4.98        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | QAM16      | 5.75        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | QPSK       | 5.04        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | QAM16      | 5.48        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | QPSK       | 4.84        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | QAM16      | 5.68        | 13              | PASS    |

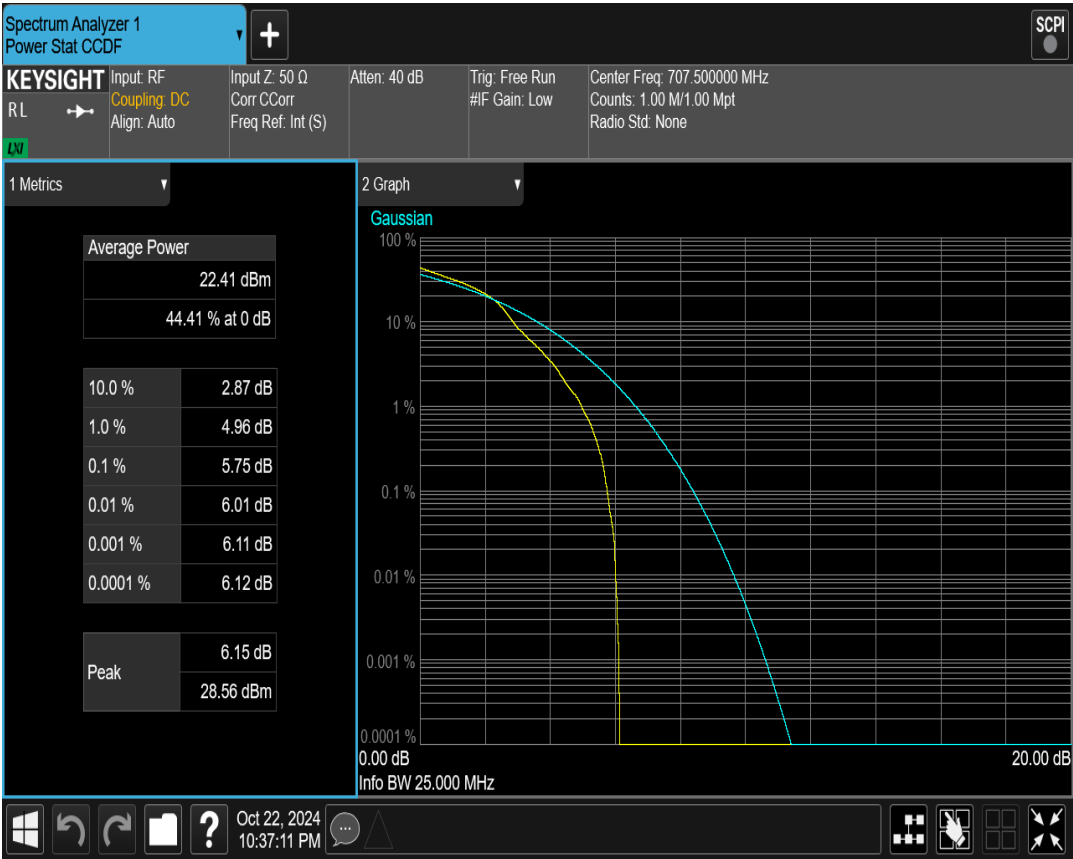
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0



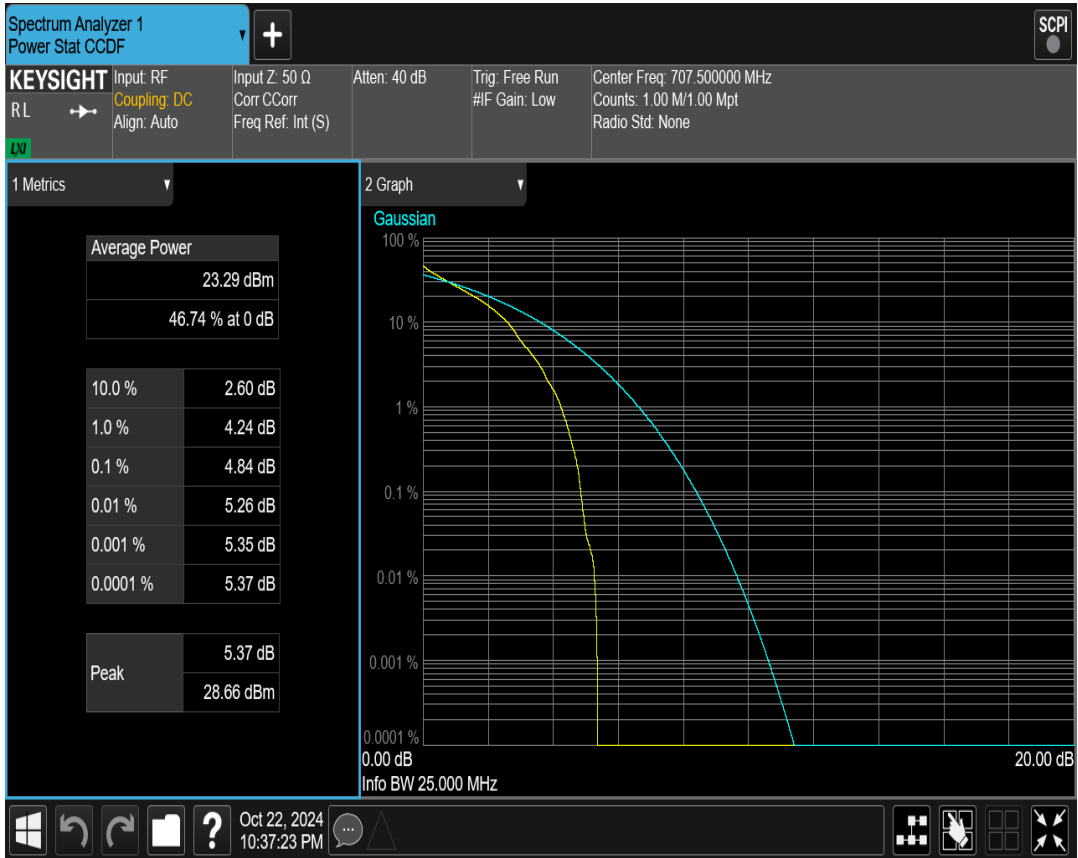
Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0



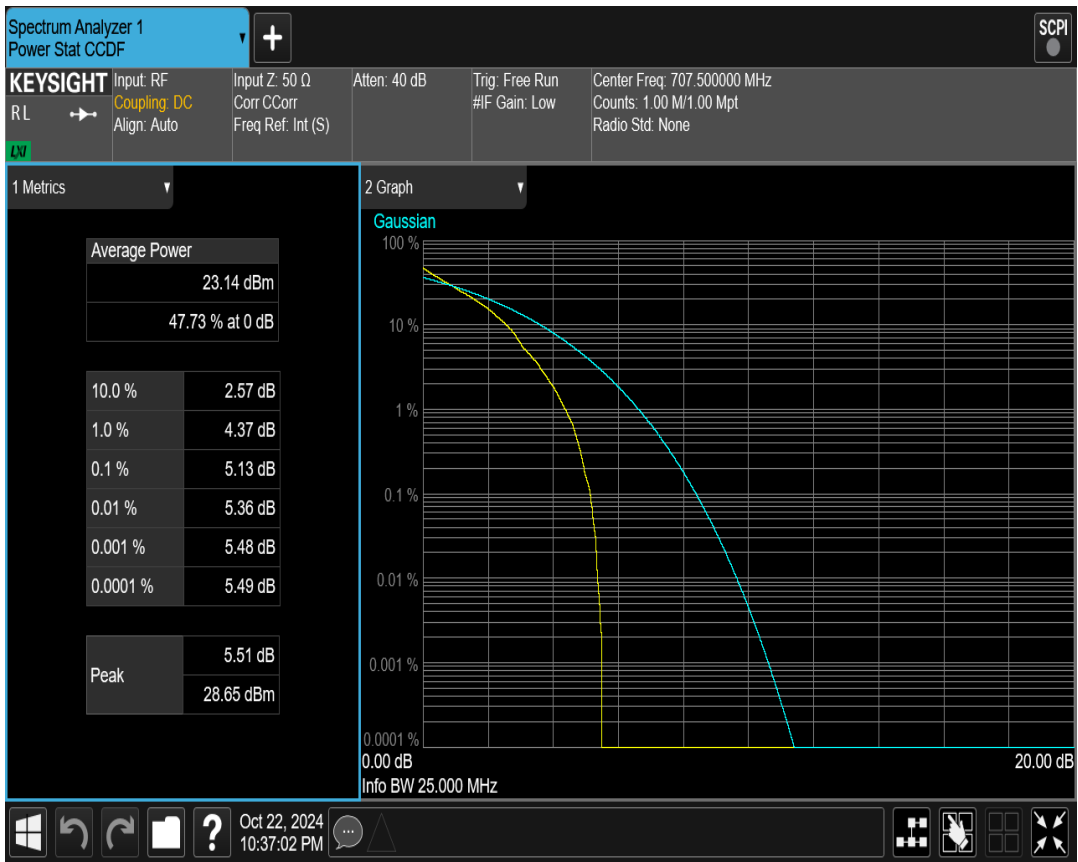
**Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0**



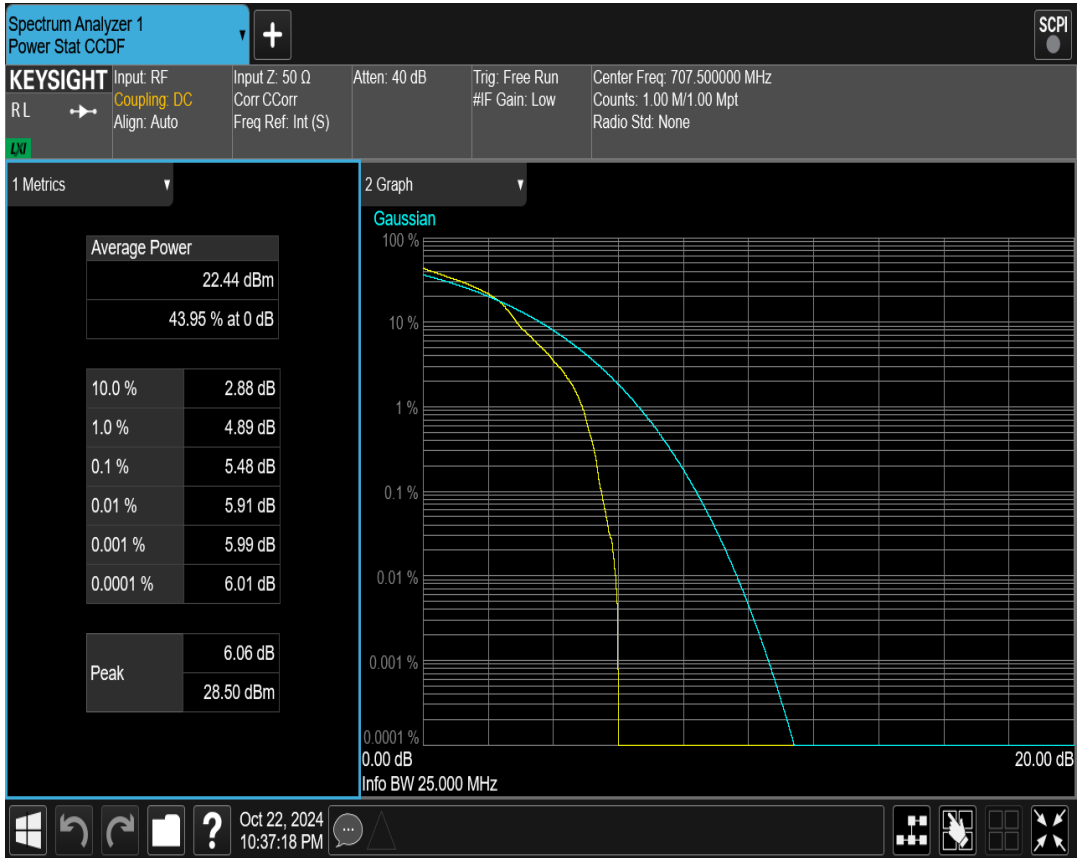
**Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0**



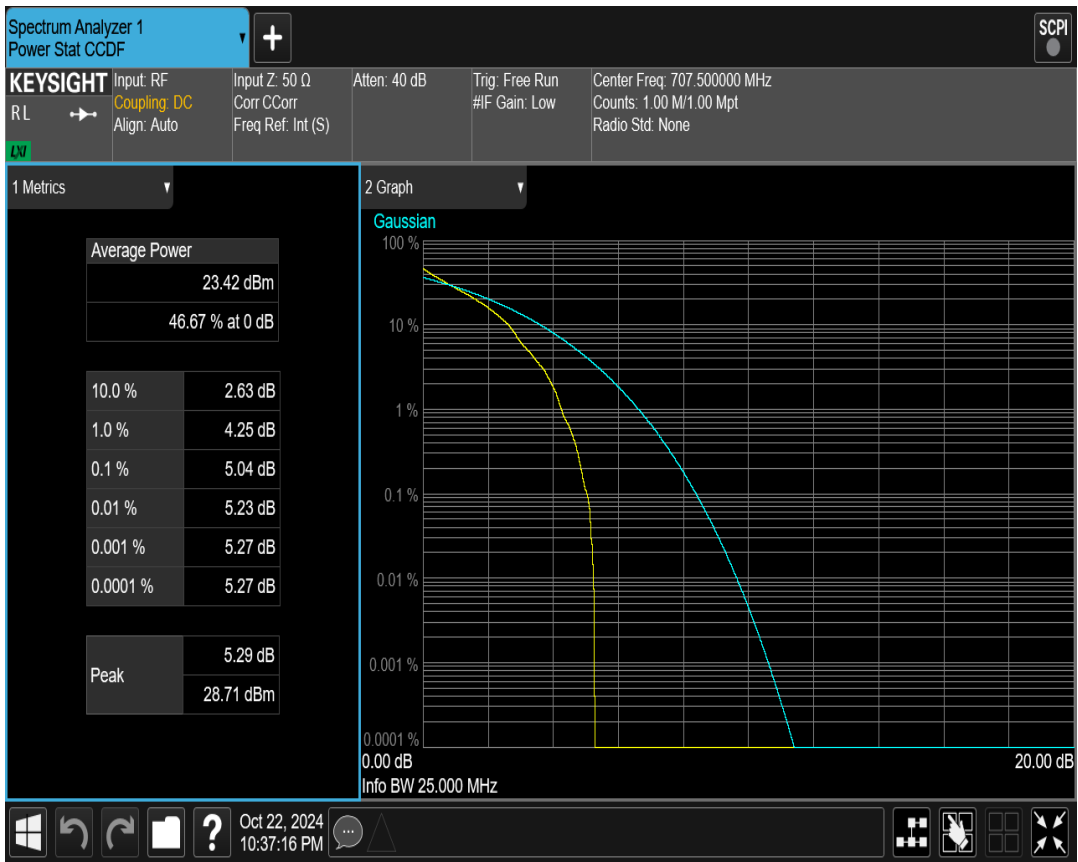
**Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0**



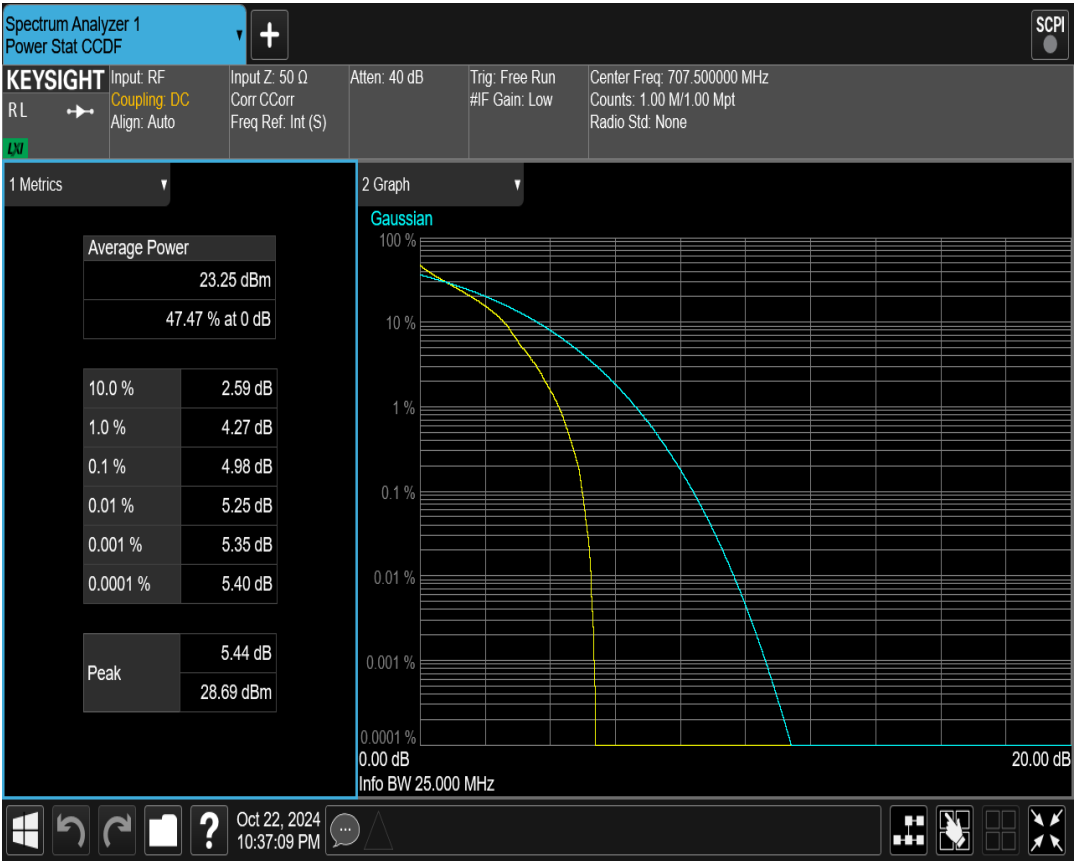
**Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0**



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



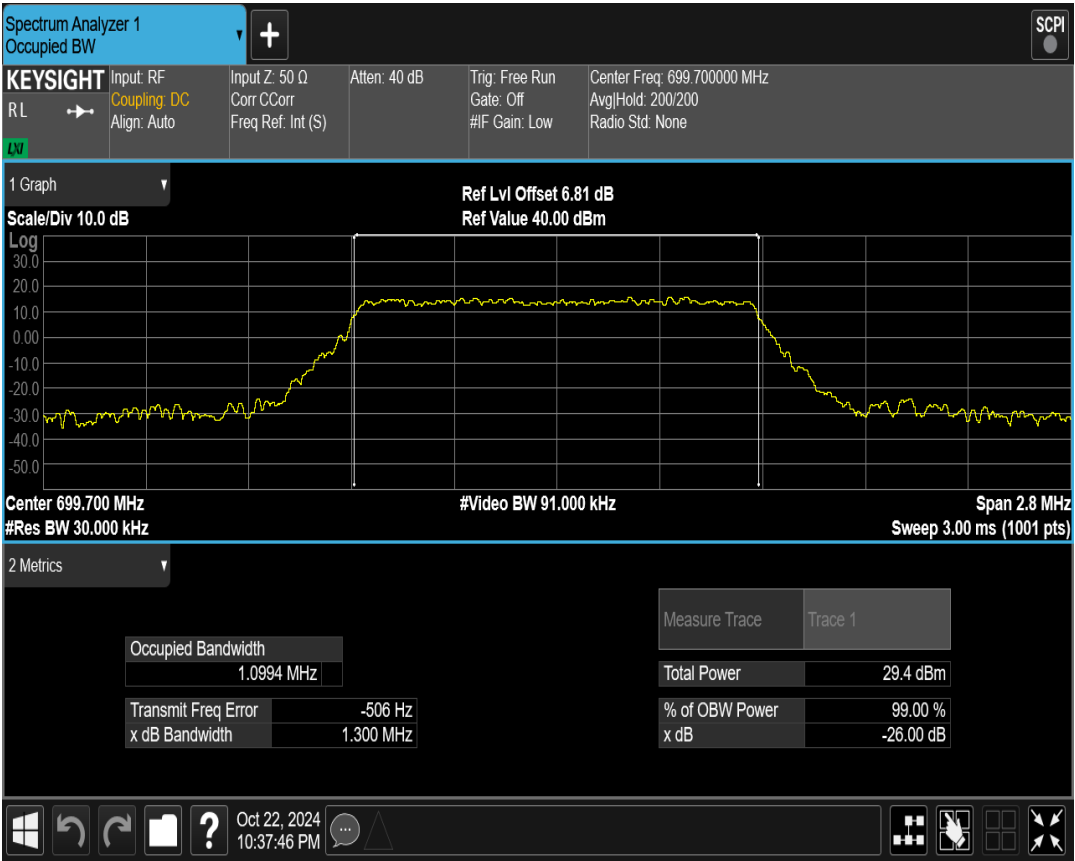
**Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0**



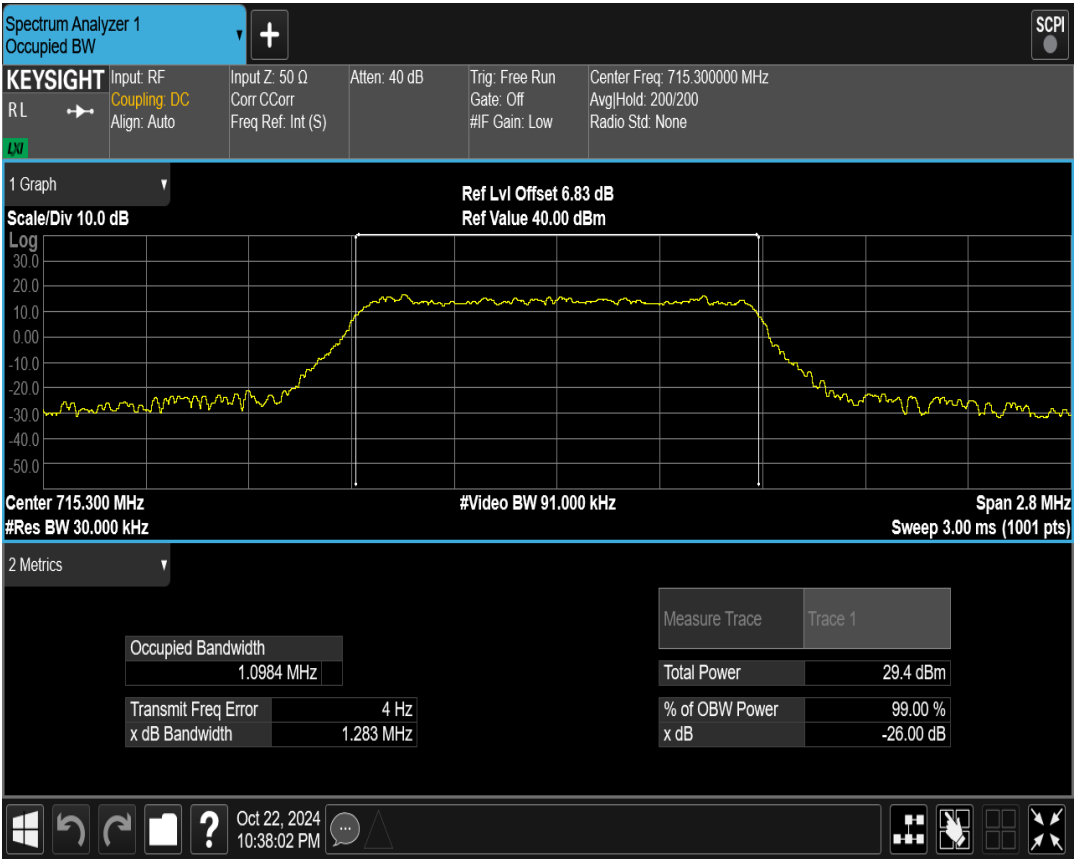
## 4 Occupied bandwidth

| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>99% OBW<br/>(MHz)</i> | <i>-26dB EBW<br/>(MHz)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|--------------------------|----------------------------|----------------|
| Band12      | 1.4                        | 23017                 | 6                  | #0                     | QPSK              | 1.088                    | 1.287                      | PASS           |
| Band12      | 1.4                        | 23017                 | 6                  | #0                     | QAM16             | 1.099                    | 1.300                      | PASS           |
| Band12      | 1.4                        | 23095                 | 6                  | #0                     | QPSK              | 1.101                    | 1.311                      | PASS           |
| Band12      | 1.4                        | 23095                 | 6                  | #0                     | QAM16             | 1.090                    | 1.273                      | PASS           |
| Band12      | 1.4                        | 23173                 | 6                  | #0                     | QPSK              | 1.100                    | 1.275                      | PASS           |
| Band12      | 1.4                        | 23173                 | 6                  | #0                     | QAM16             | 1.098                    | 1.283                      | PASS           |
| Band12      | 3                          | 23025                 | 15                 | #0                     | QPSK              | 2.687                    | 2.930                      | PASS           |
| Band12      | 3                          | 23025                 | 15                 | #0                     | QAM16             | 2.689                    | 2.954                      | PASS           |
| Band12      | 3                          | 23095                 | 15                 | #0                     | QPSK              | 2.701                    | 2.941                      | PASS           |
| Band12      | 3                          | 23095                 | 15                 | #0                     | QAM16             | 2.700                    | 2.960                      | PASS           |
| Band12      | 3                          | 23165                 | 15                 | #0                     | QPSK              | 2.698                    | 2.935                      | PASS           |
| Band12      | 3                          | 23165                 | 15                 | #0                     | QAM16             | 2.686                    | 2.915                      | PASS           |
| Band12      | 5                          | 23035                 | 25                 | #0                     | QPSK              | 4.524                    | 4.956                      | PASS           |
| Band12      | 5                          | 23035                 | 25                 | #0                     | QAM16             | 4.499                    | 4.932                      | PASS           |
| Band12      | 5                          | 23095                 | 25                 | #0                     | QPSK              | 4.504                    | 4.922                      | PASS           |
| Band12      | 5                          | 23095                 | 25                 | #0                     | QAM16             | 4.511                    | 4.940                      | PASS           |
| Band12      | 5                          | 23155                 | 25                 | #0                     | QPSK              | 4.502                    | 4.883                      | PASS           |
| Band12      | 5                          | 23155                 | 25                 | #0                     | QAM16             | 4.506                    | 4.953                      | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QPSK              | 8.975                    | 9.684                      | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QAM16             | 8.959                    | 9.700                      | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QPSK              | 8.955                    | 9.753                      | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QAM16             | 8.980                    | 9.717                      | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QPSK              | 8.962                    | 9.702                      | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QAM16             | 8.963                    | 9.634                      | PASS           |

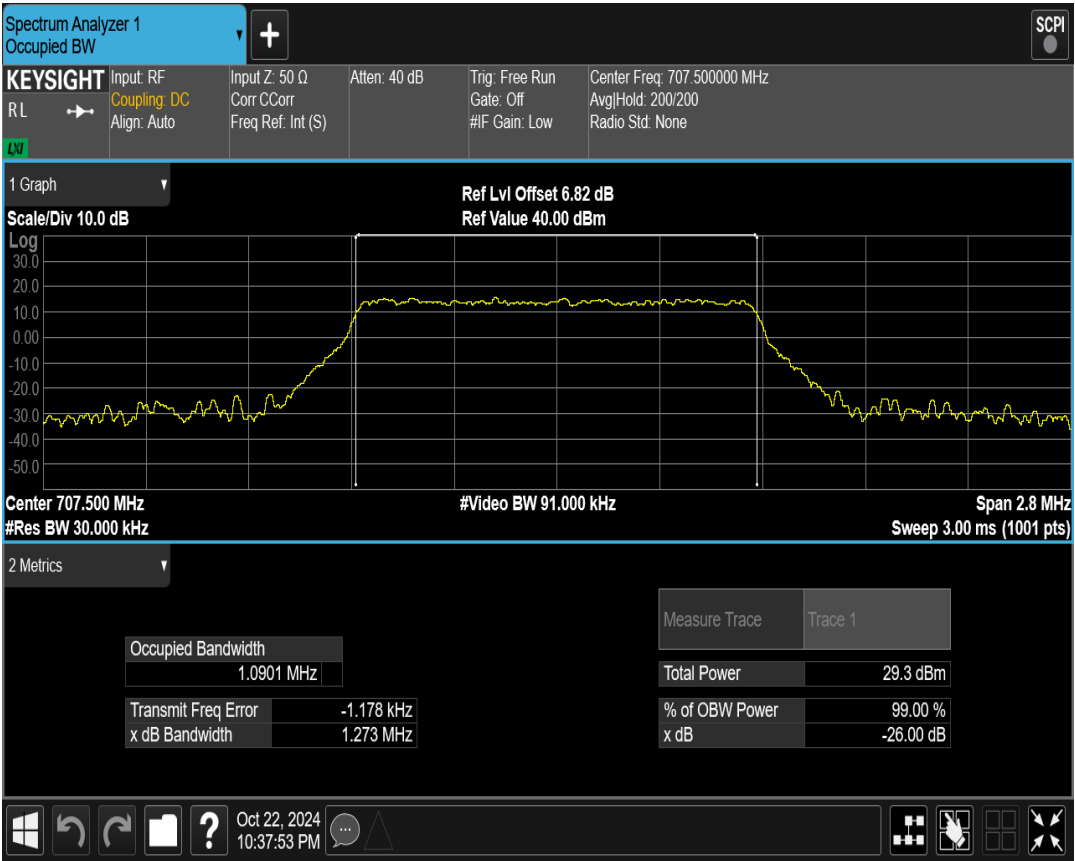
**Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0**



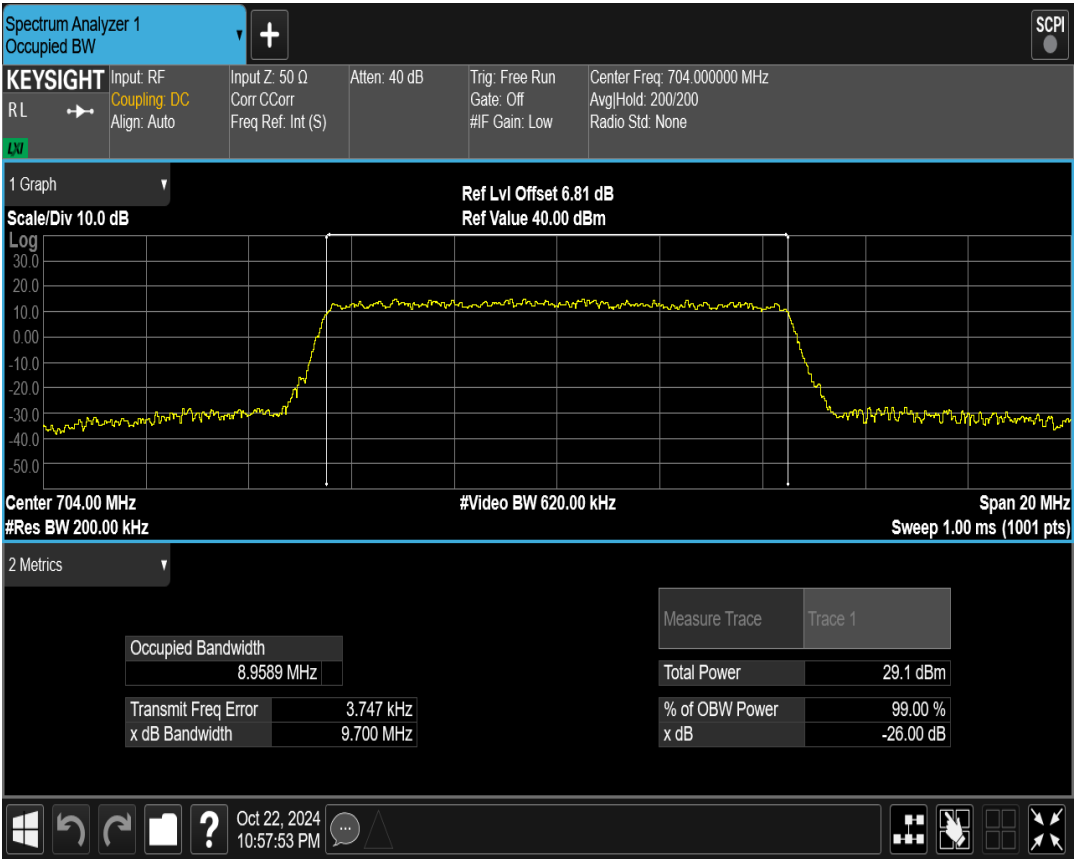
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



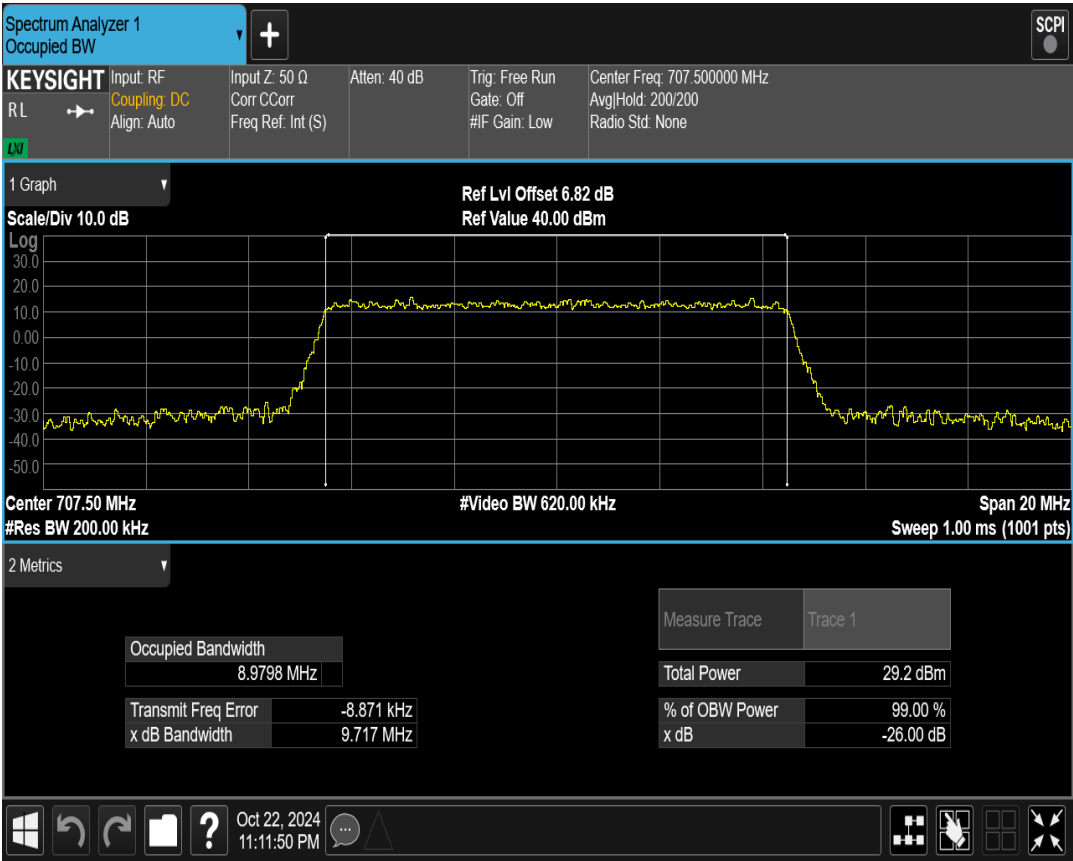
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



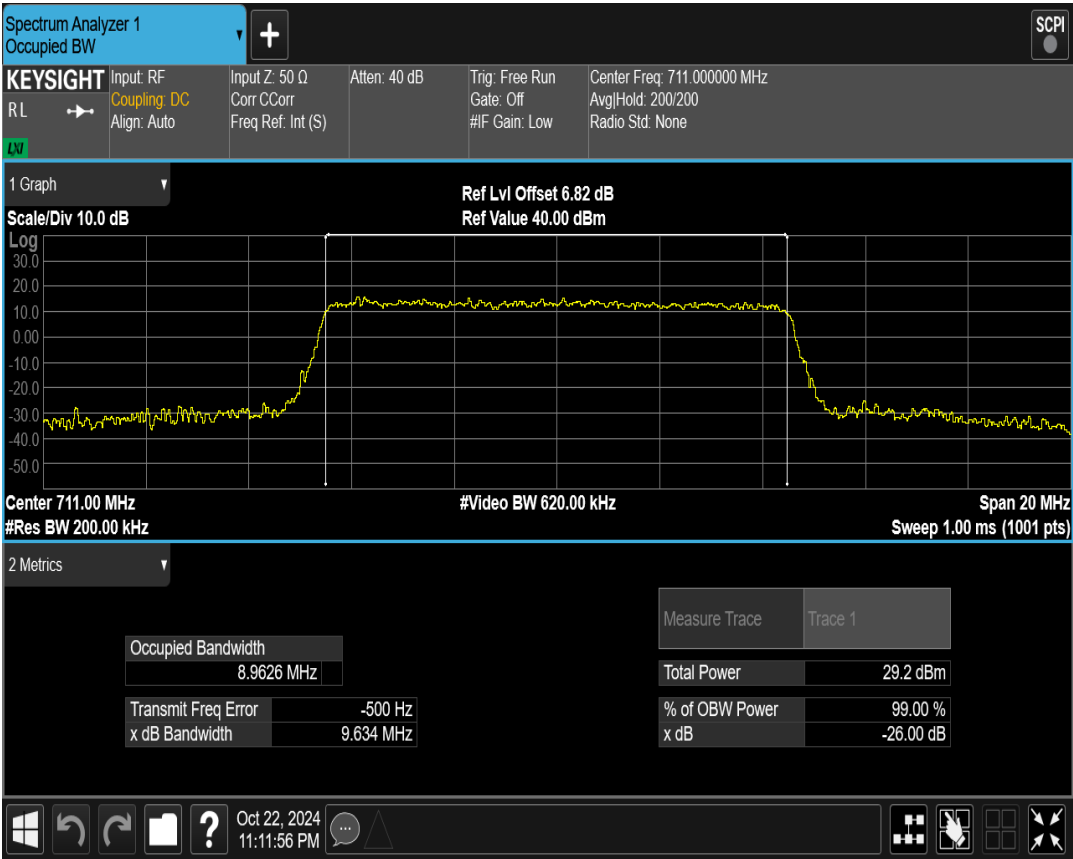
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



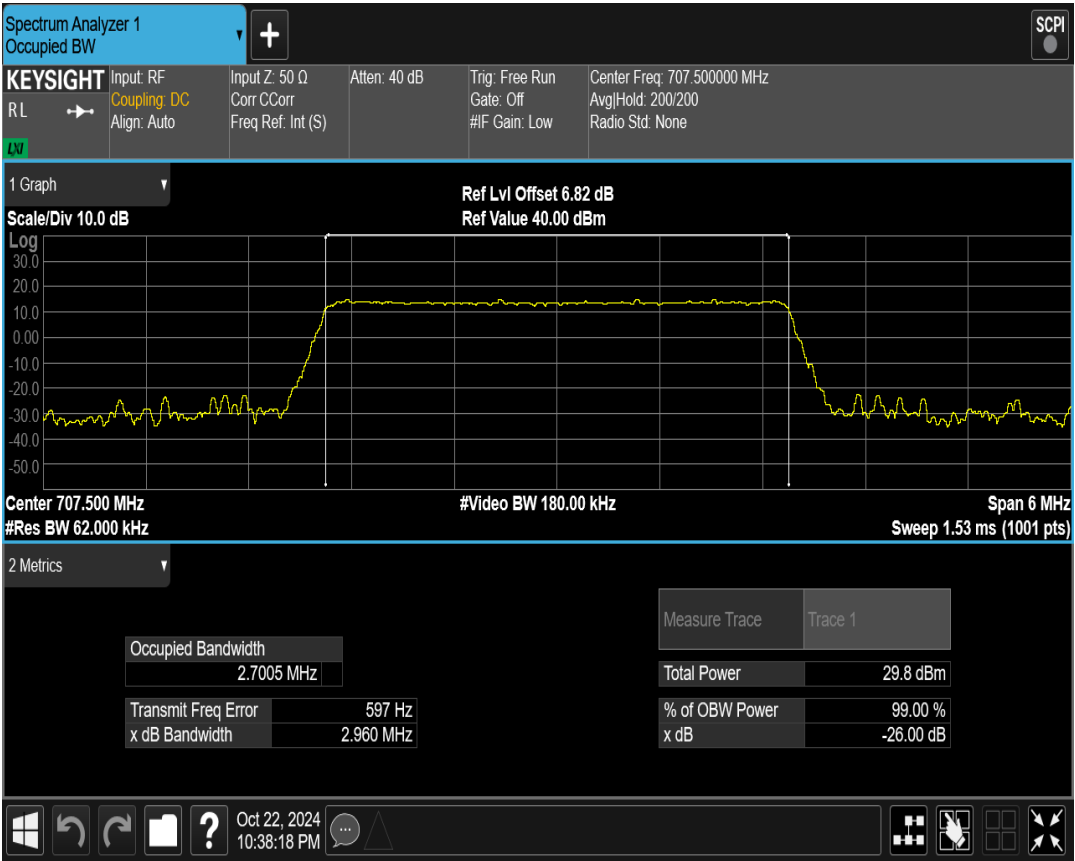
Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



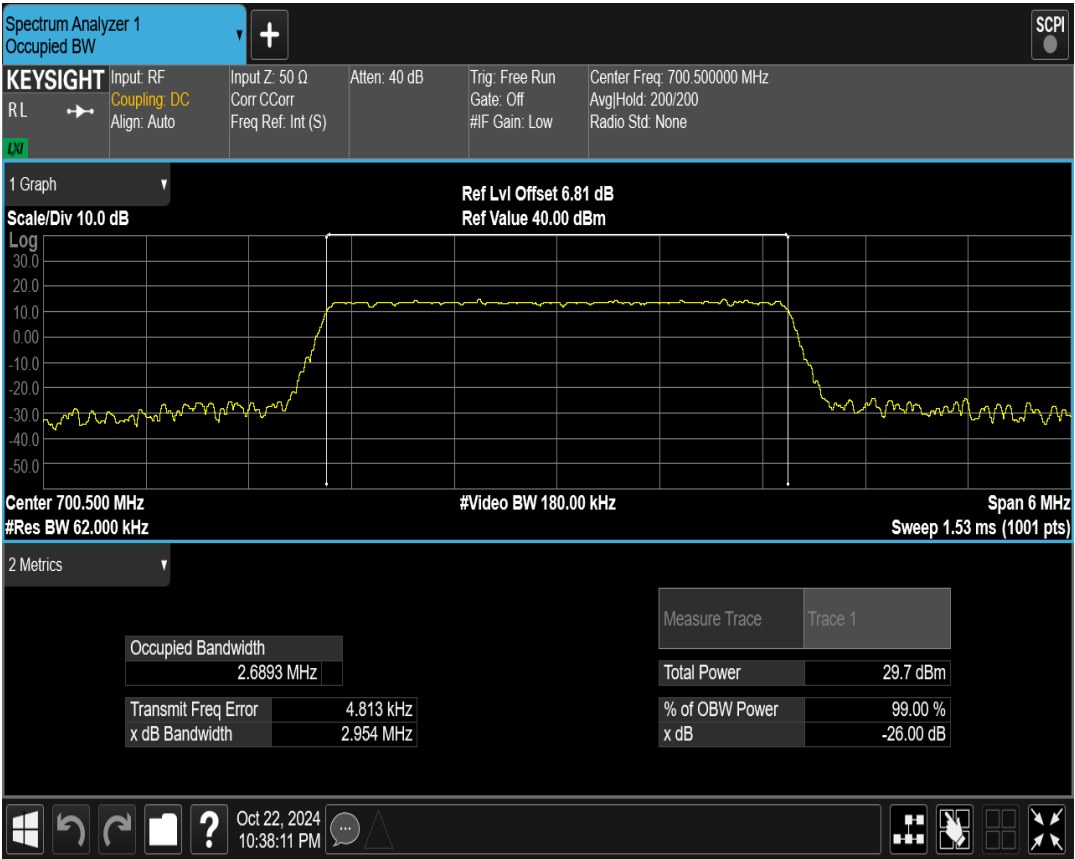
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



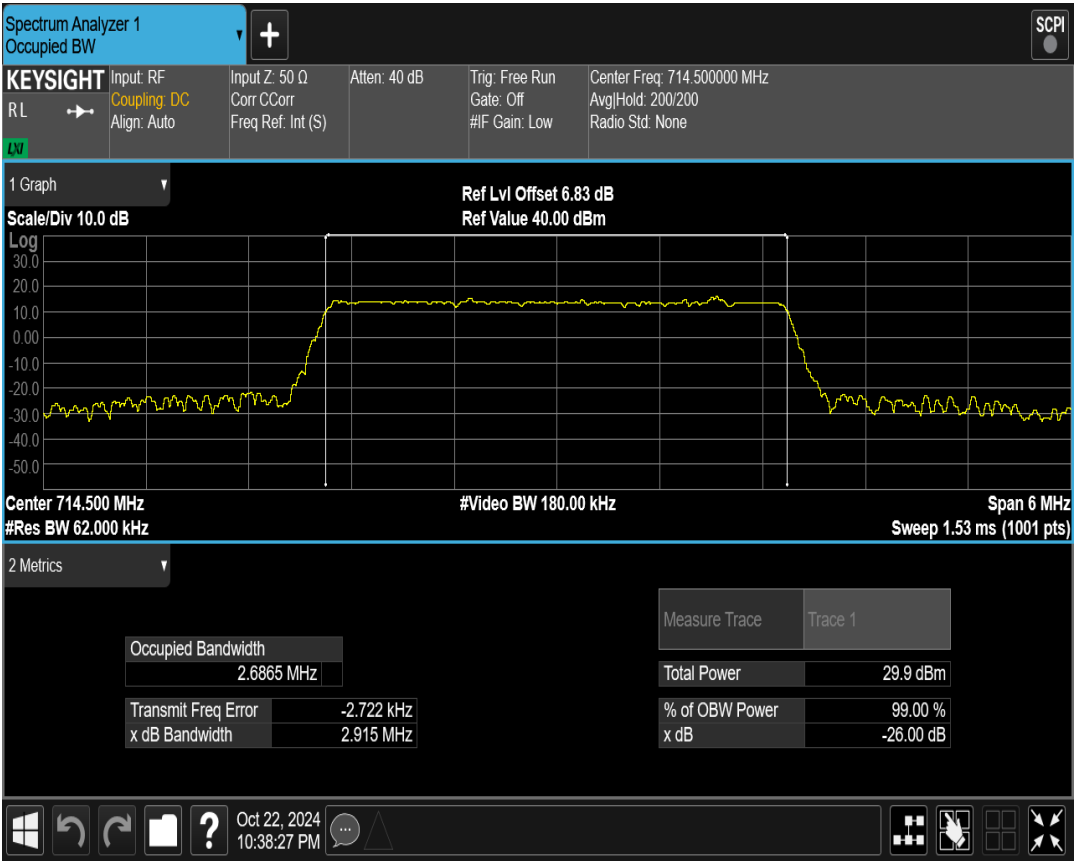
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



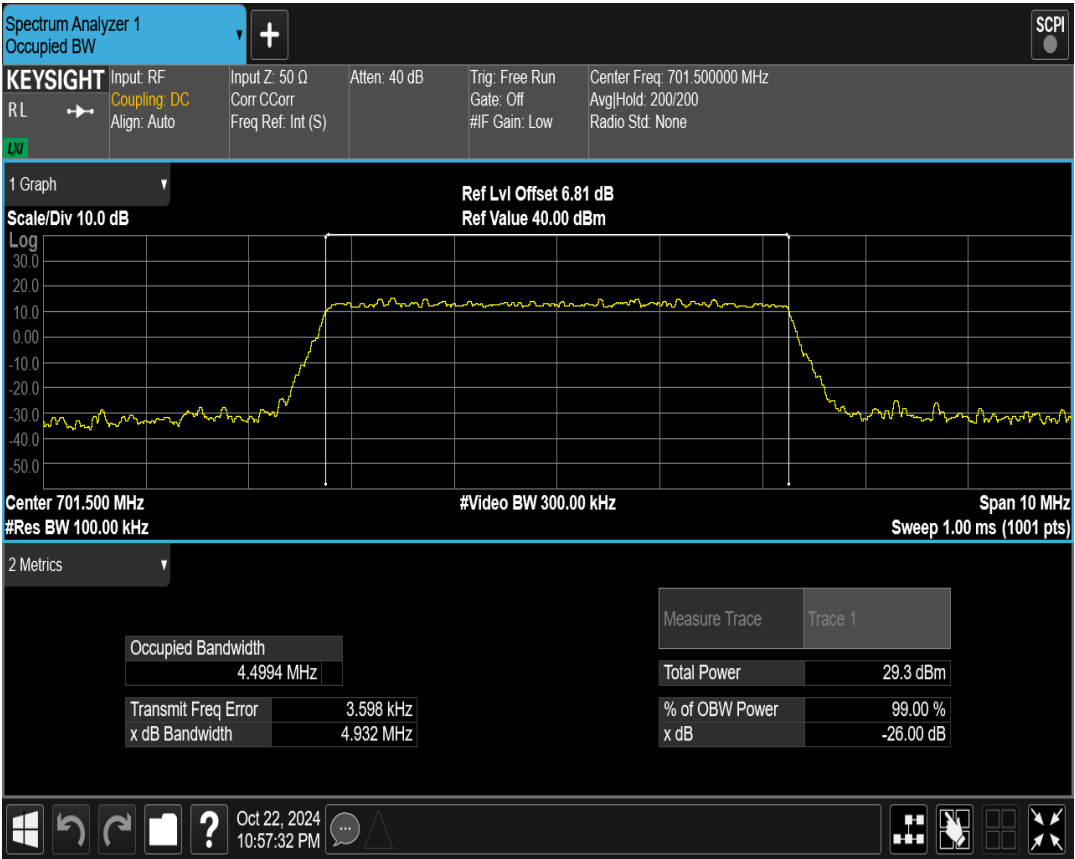
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



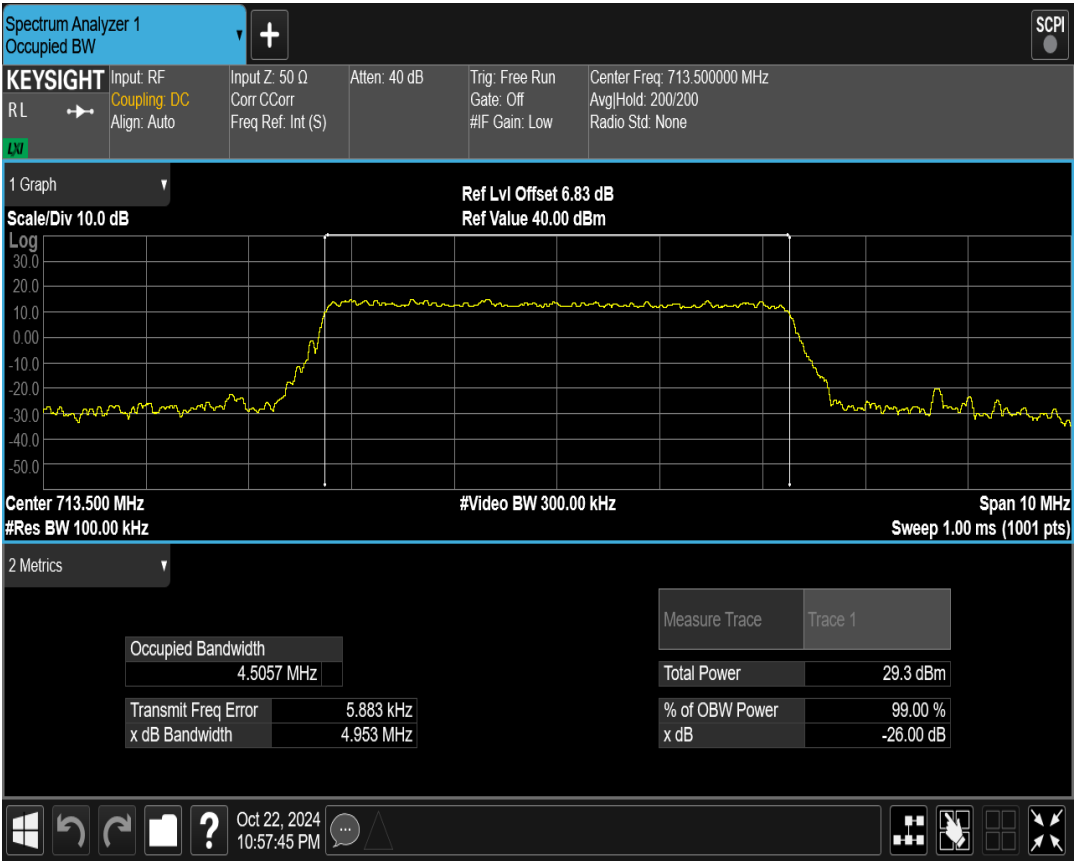
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



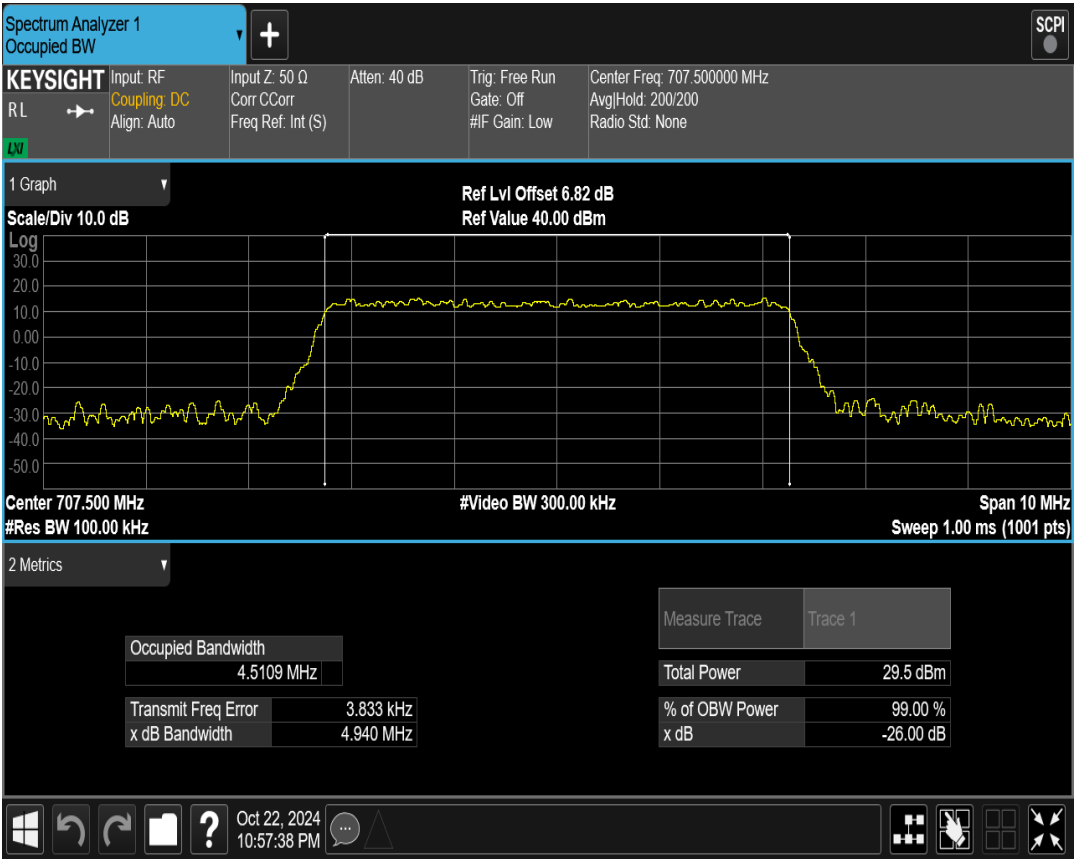
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



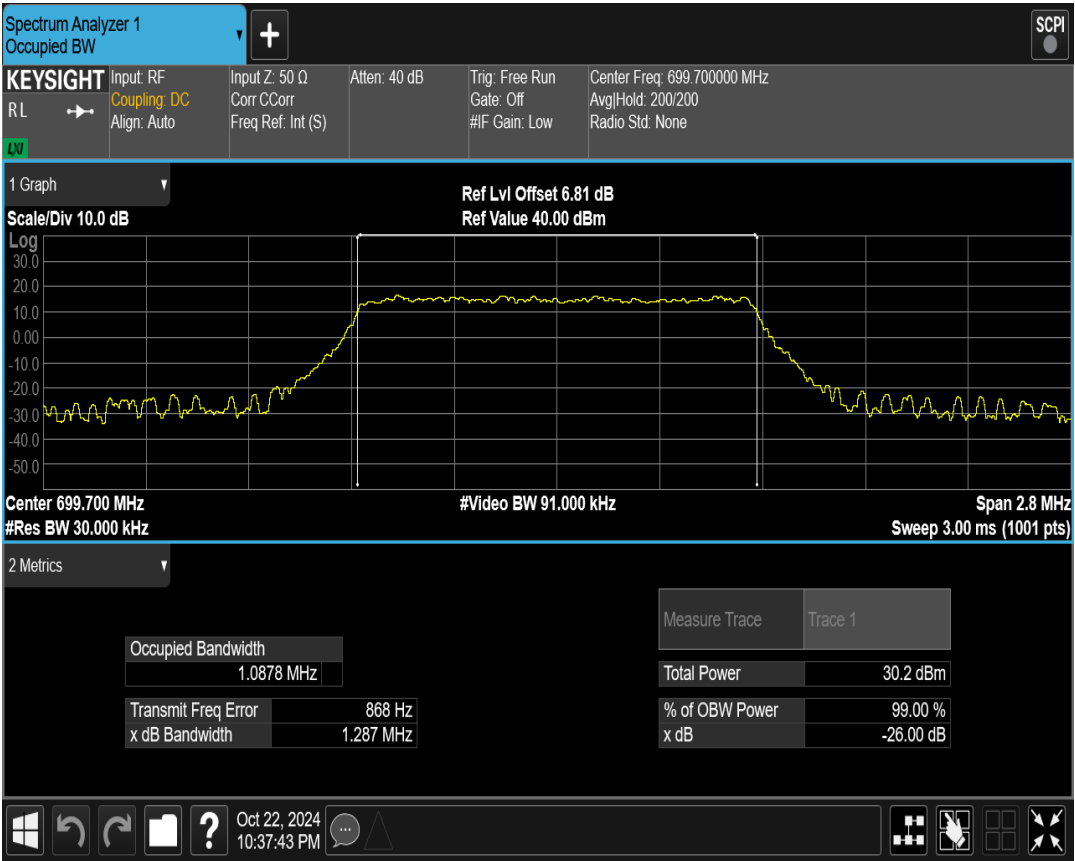
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



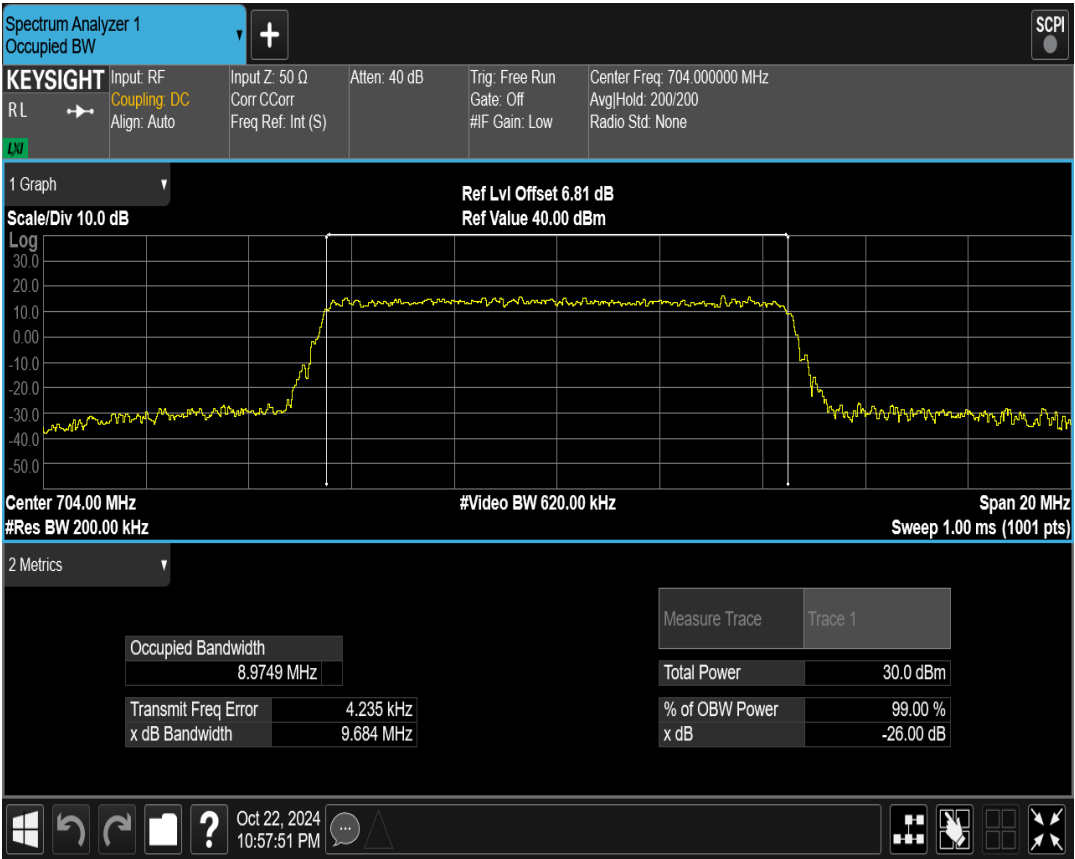
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



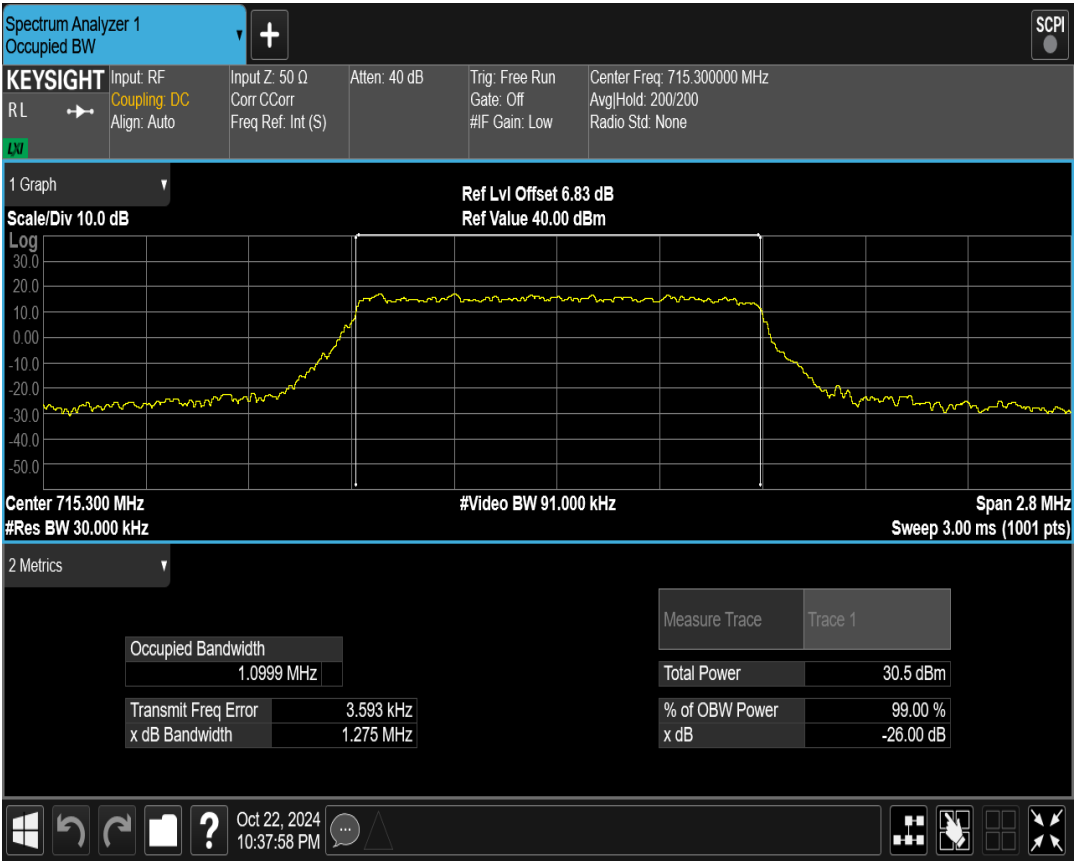
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



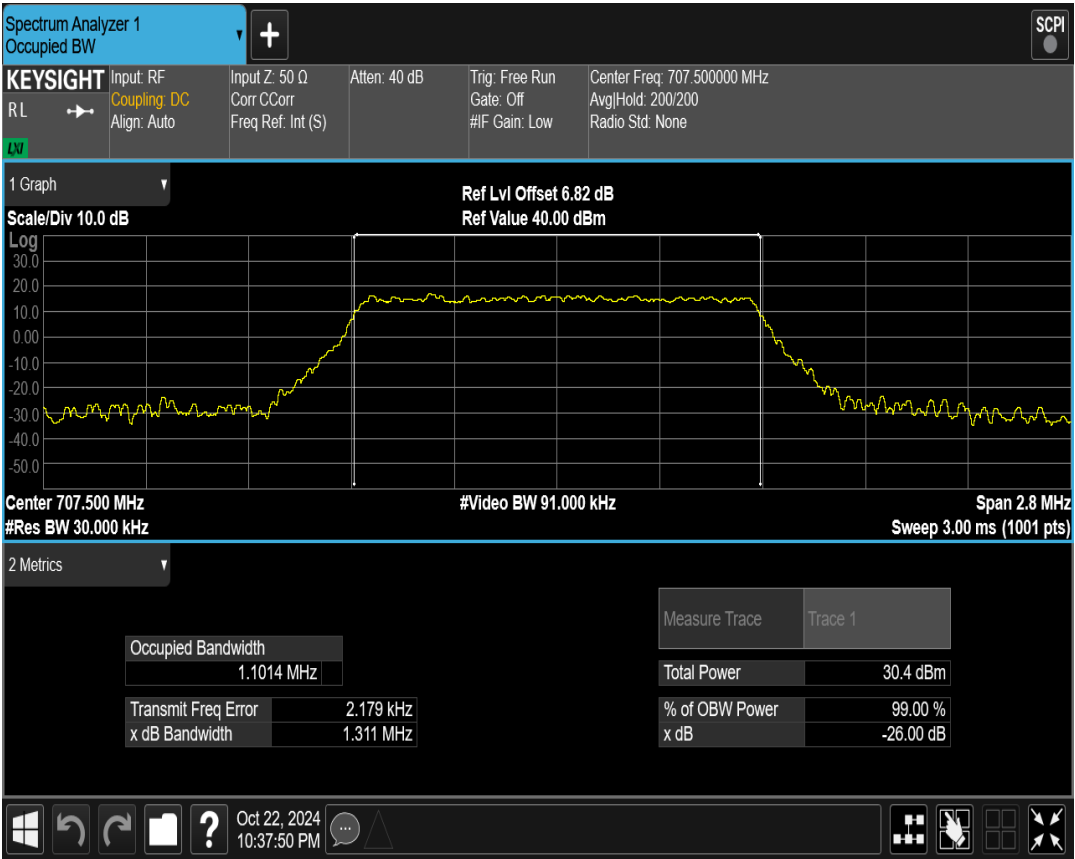
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



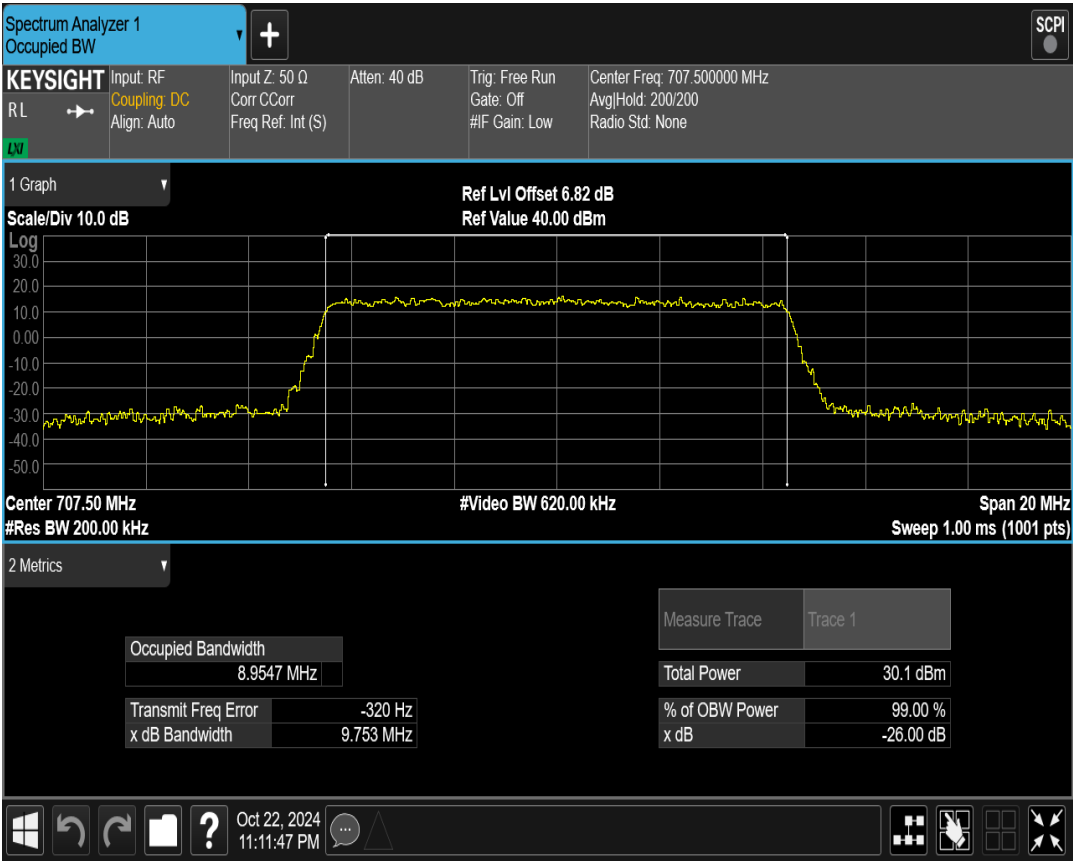
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



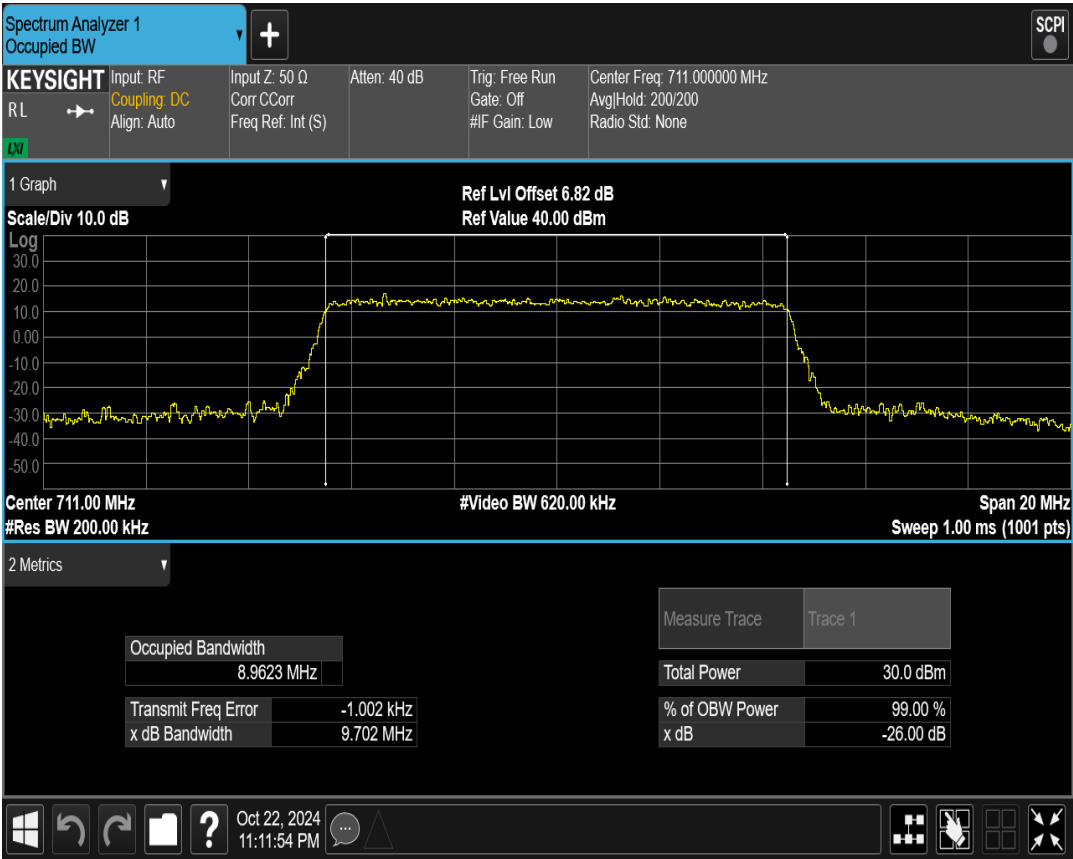
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



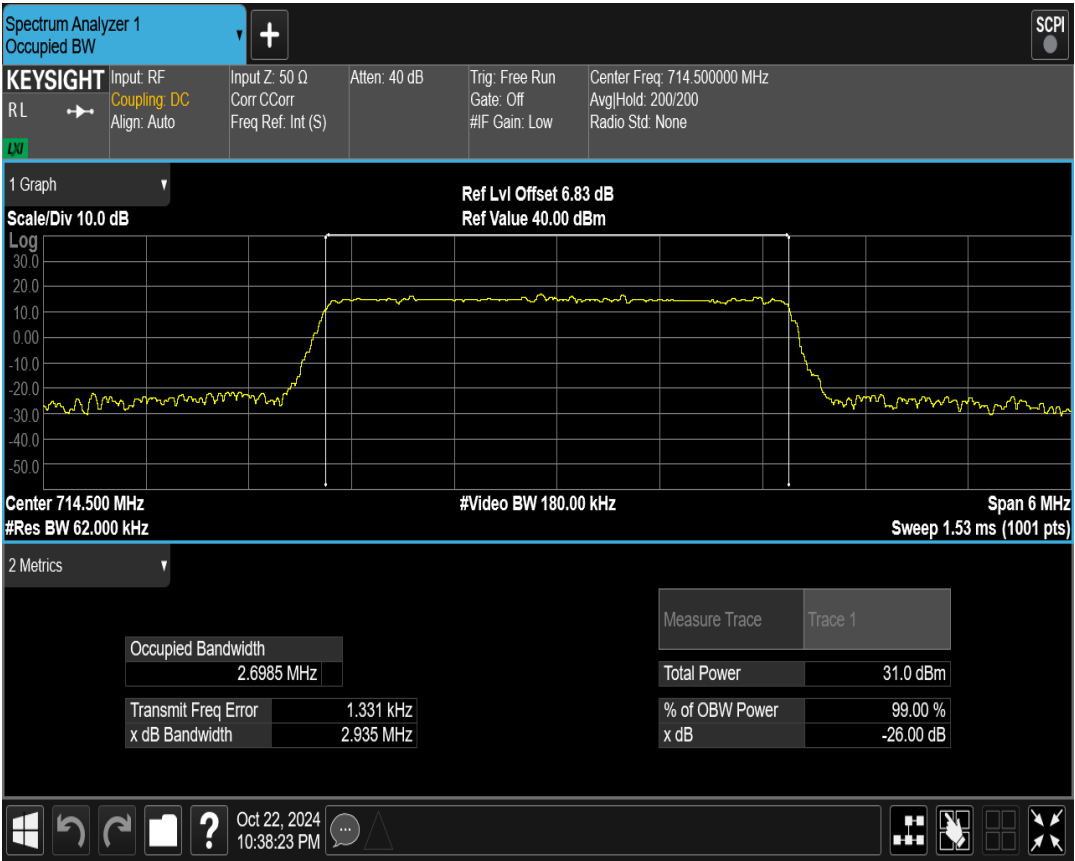
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



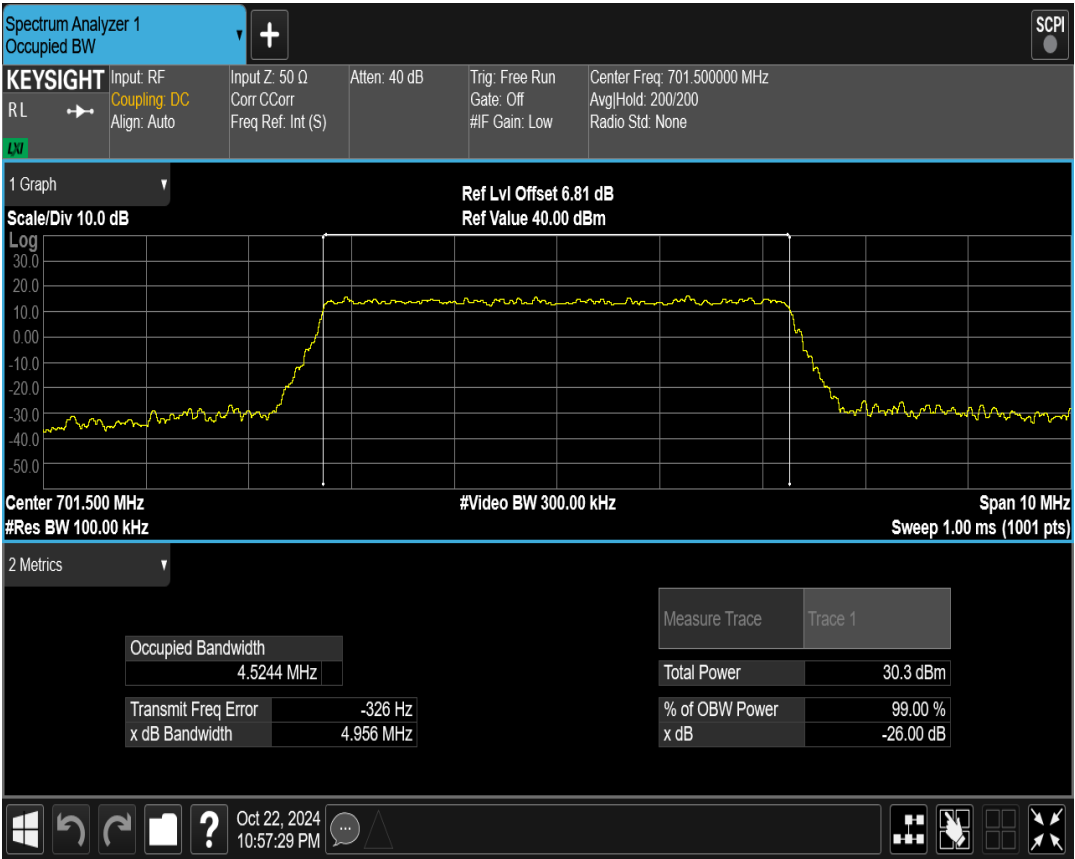
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



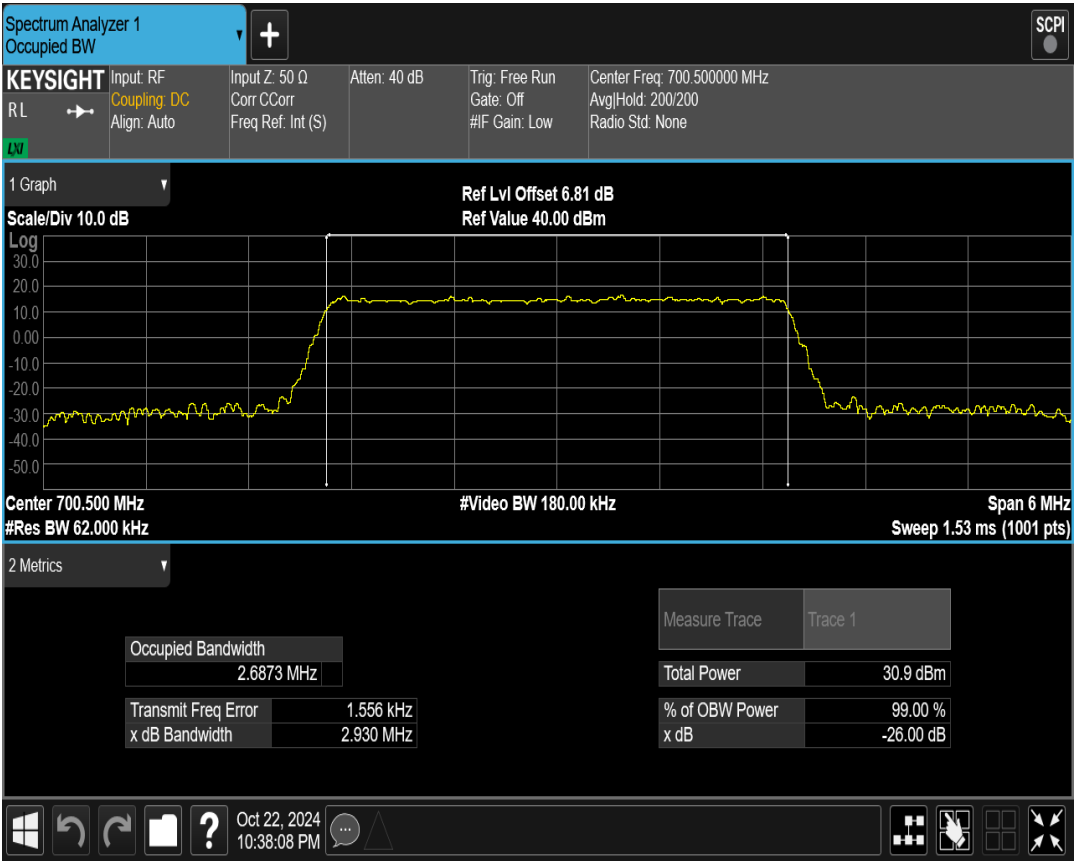
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



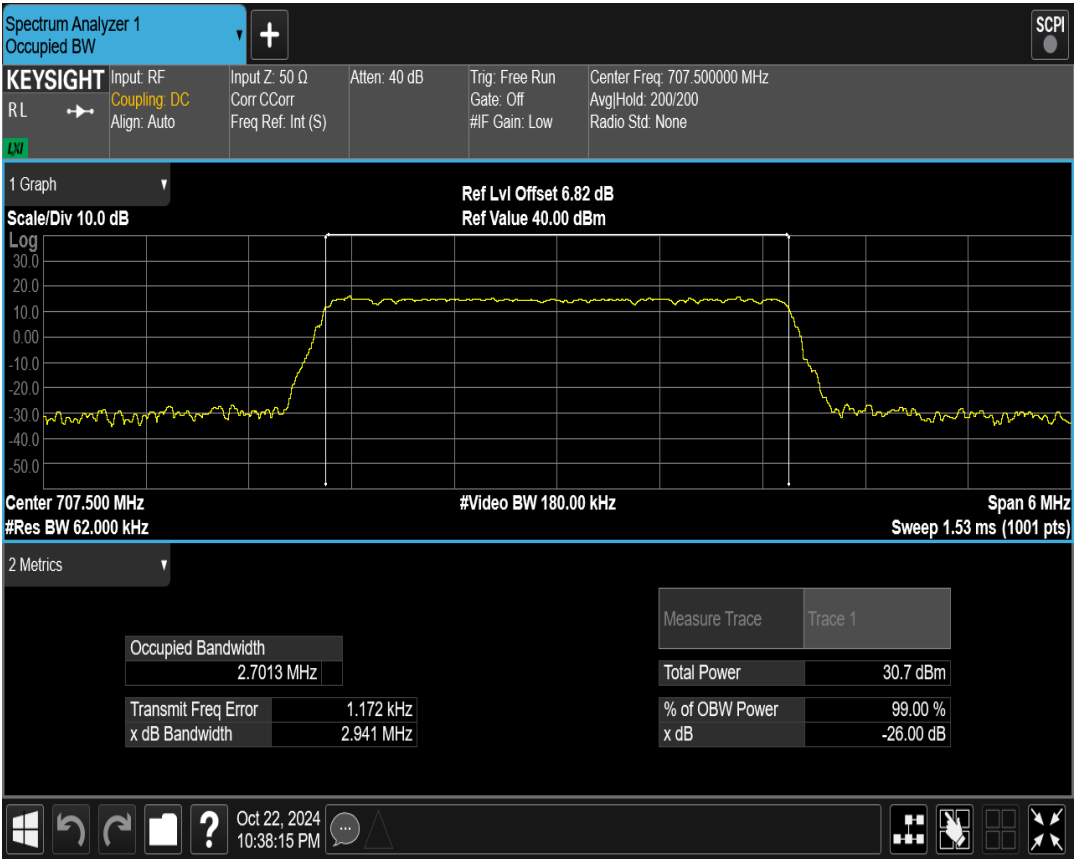
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



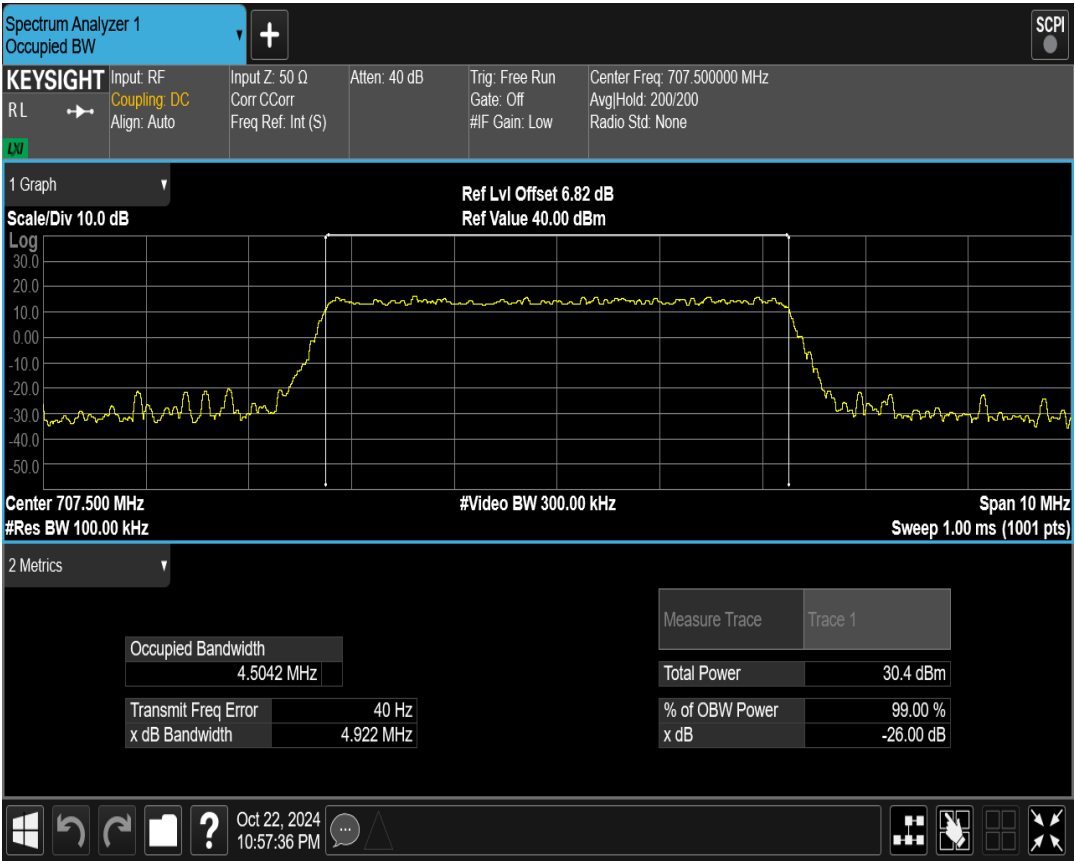
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



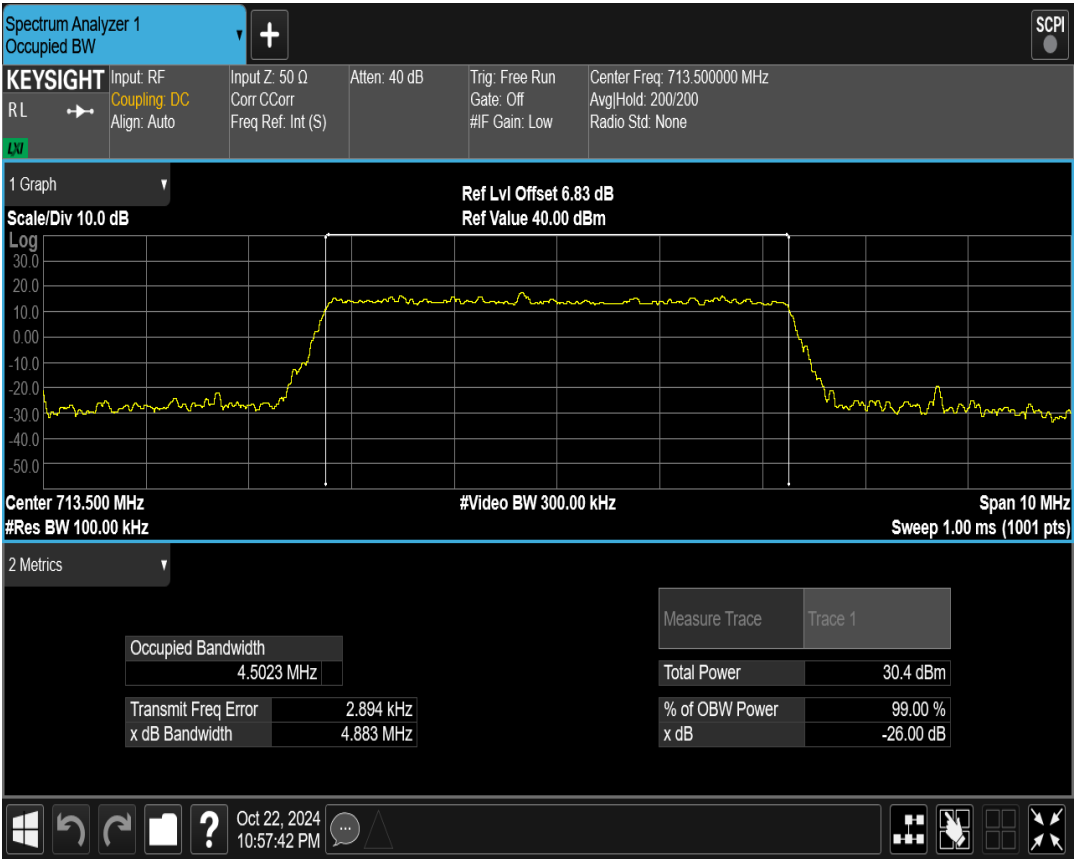
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



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



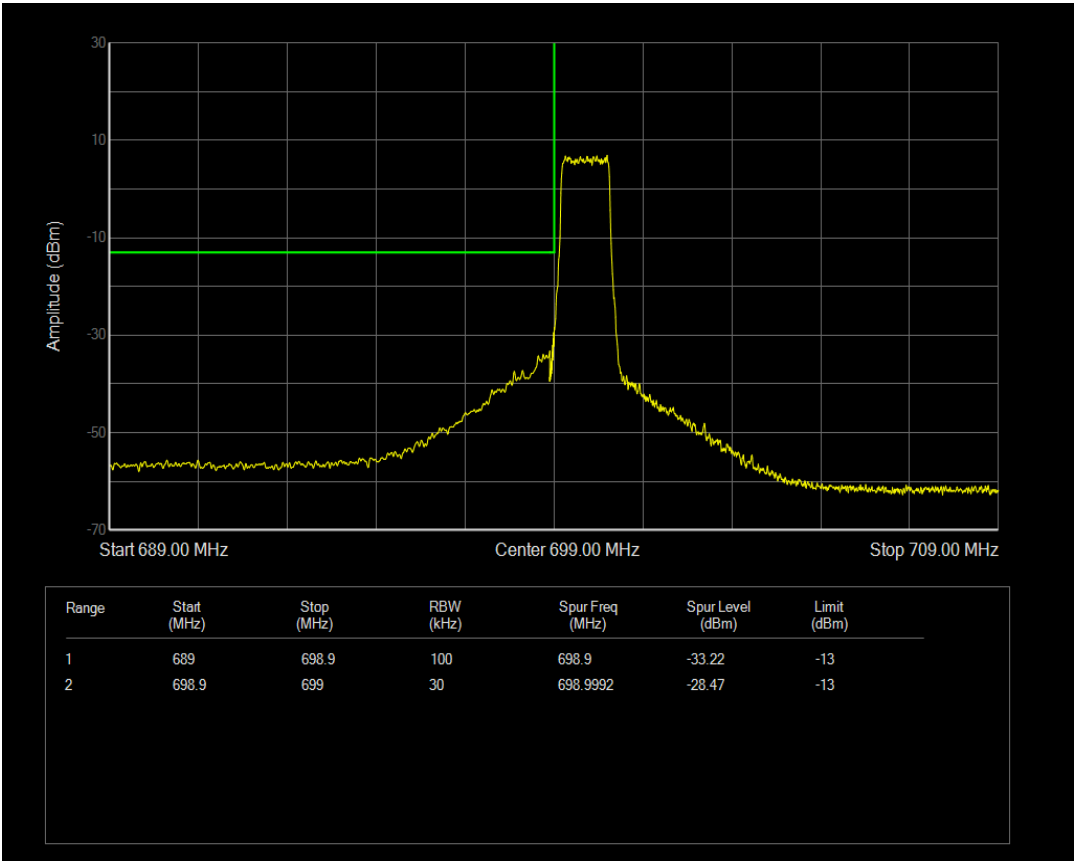
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



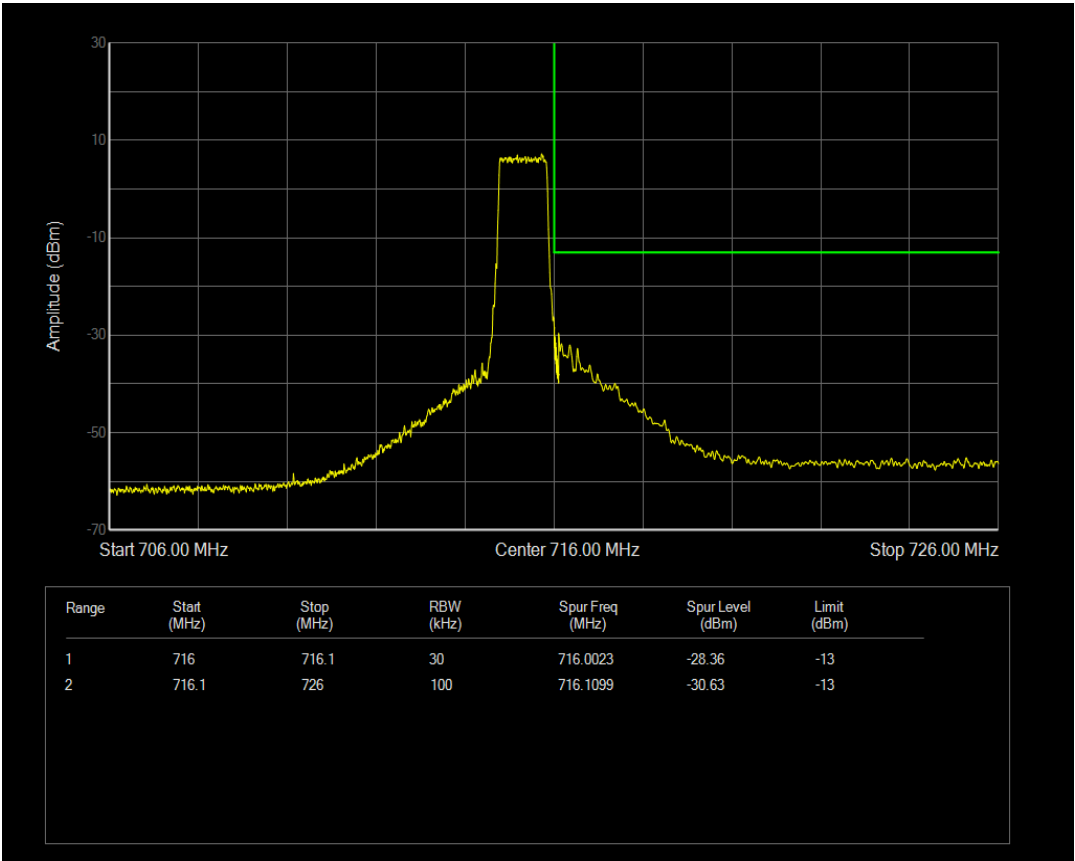
# 5 Band edge

| 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       | 699.00          | -27.95           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | QAM16      | 699.00          | -28.47           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 716.00          | -28.11           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QAM16      | 716.00          | -28.36           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 699.00          | -32.81           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QAM16      | 698.99          | -33.95           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 716.00          | -33.46           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QAM16      | 716.01          | -32.90           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 698.89          | -32.08           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QAM16      | 699.00          | -34.06           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 716.11          | -33.24           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QAM16      | 716.00          | -34.20           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 698.90          | -37.89           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QAM16      | 698.84          | -40.71           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 716.11          | -38.85           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QAM16      | 716.11          | -40.40           | -13         | PASS    |

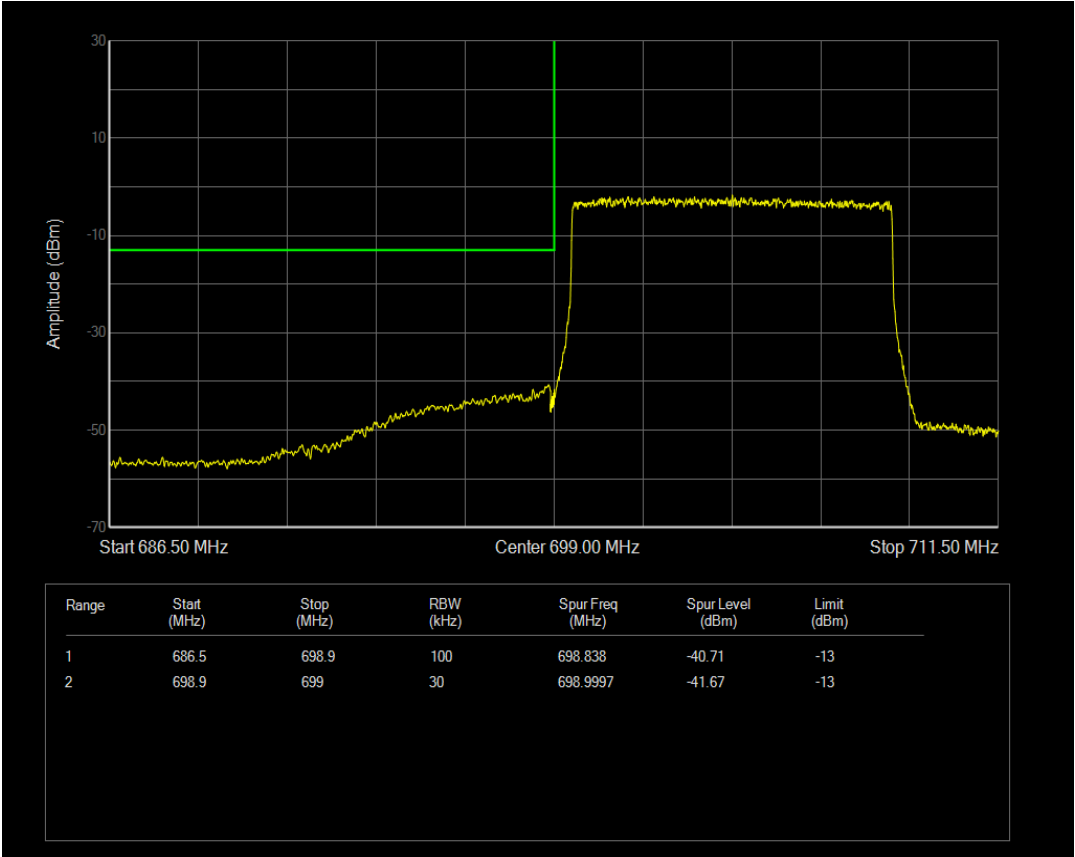
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



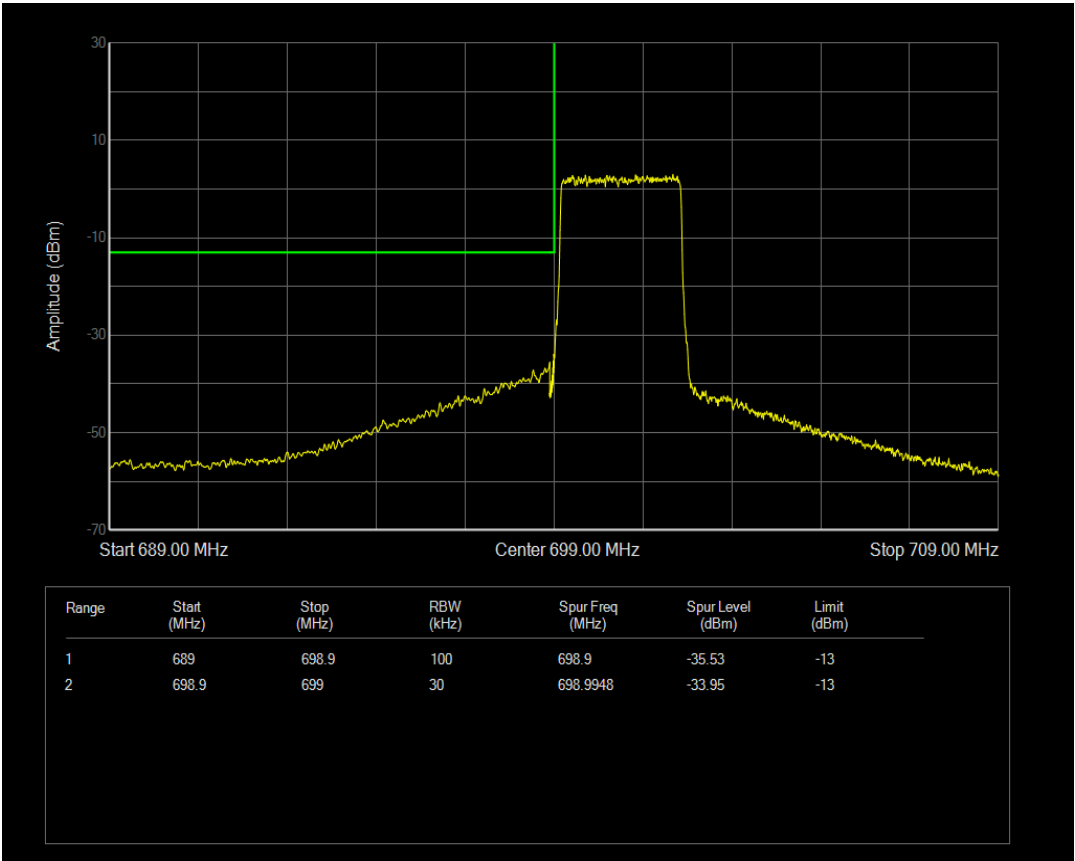
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



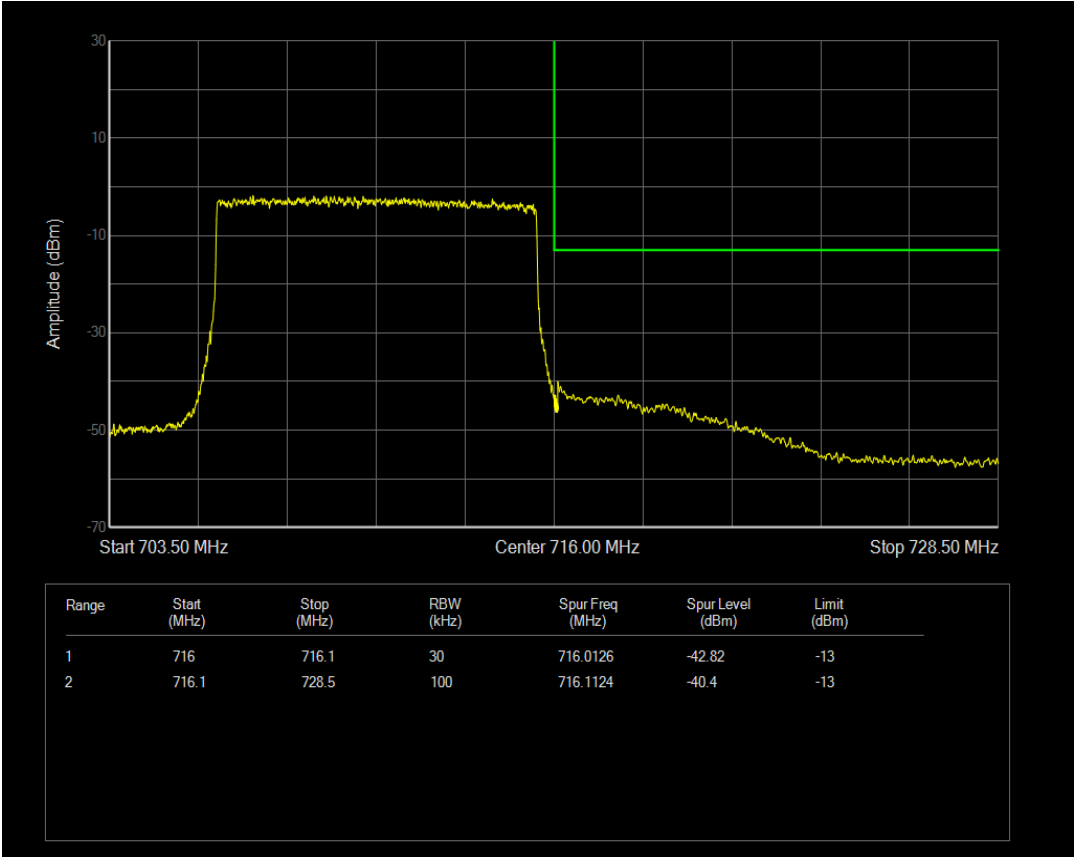
**Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0**



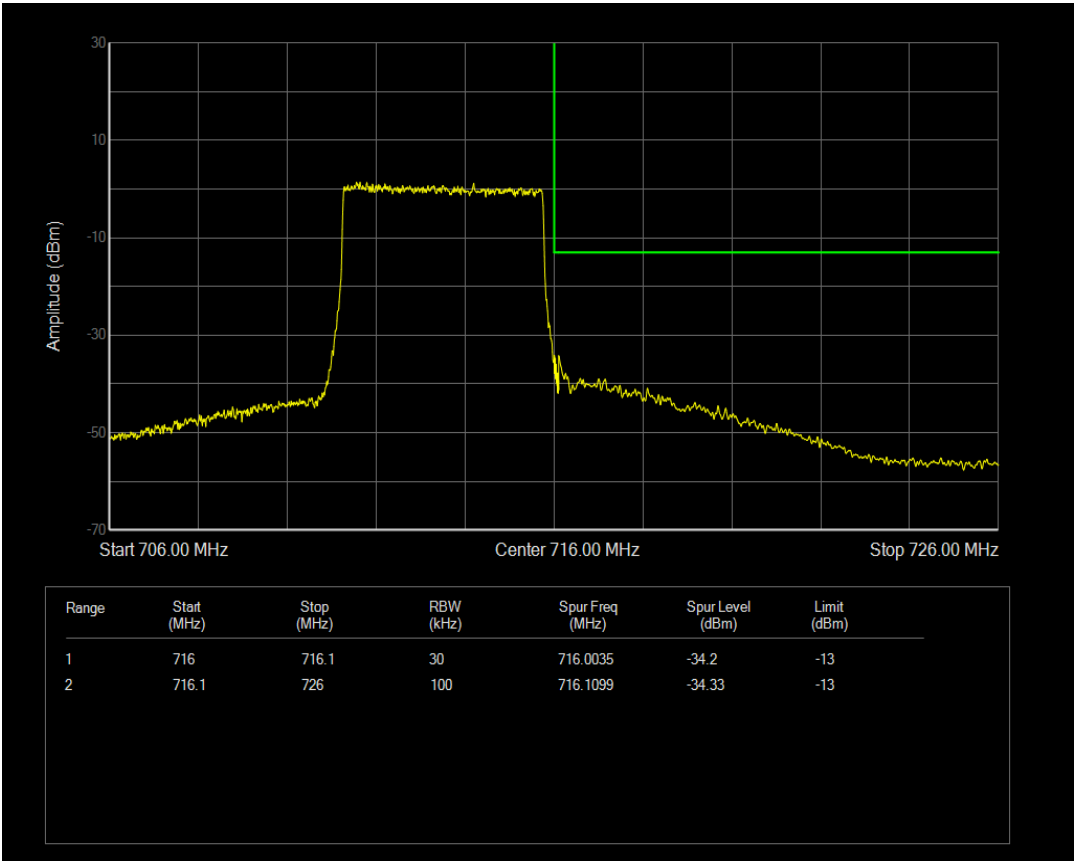
**Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0**



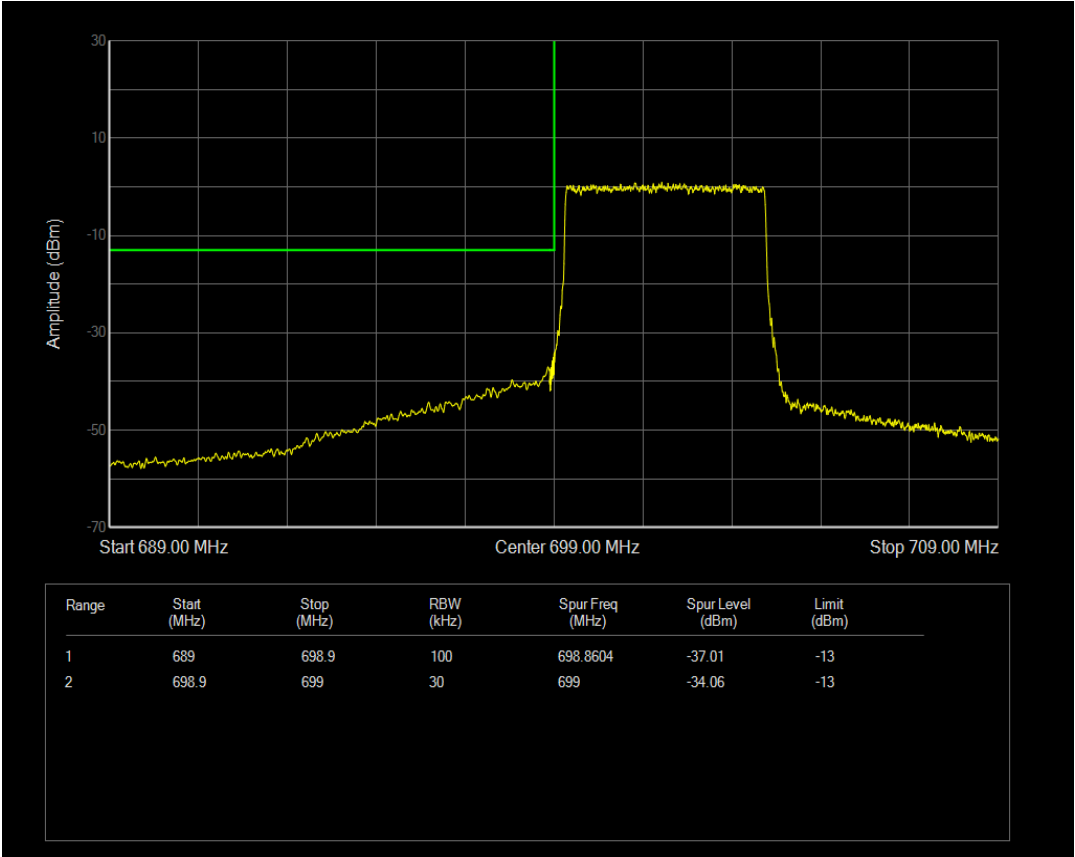
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



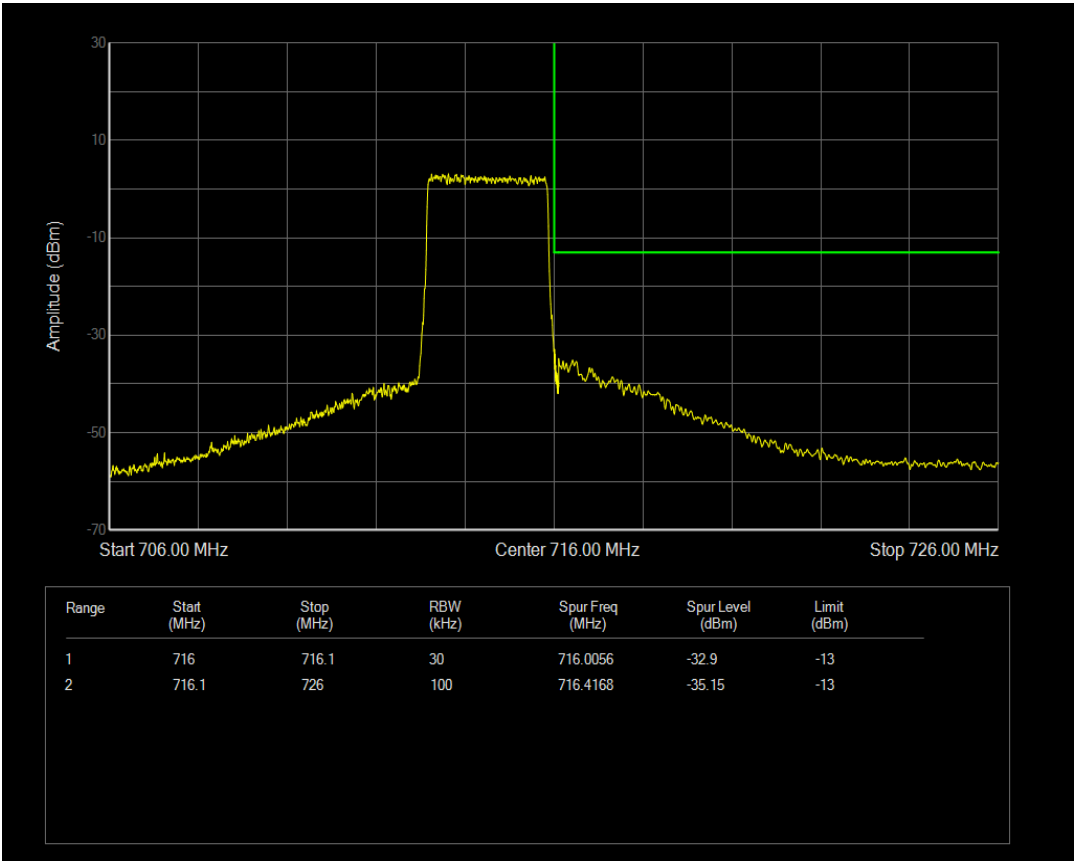
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



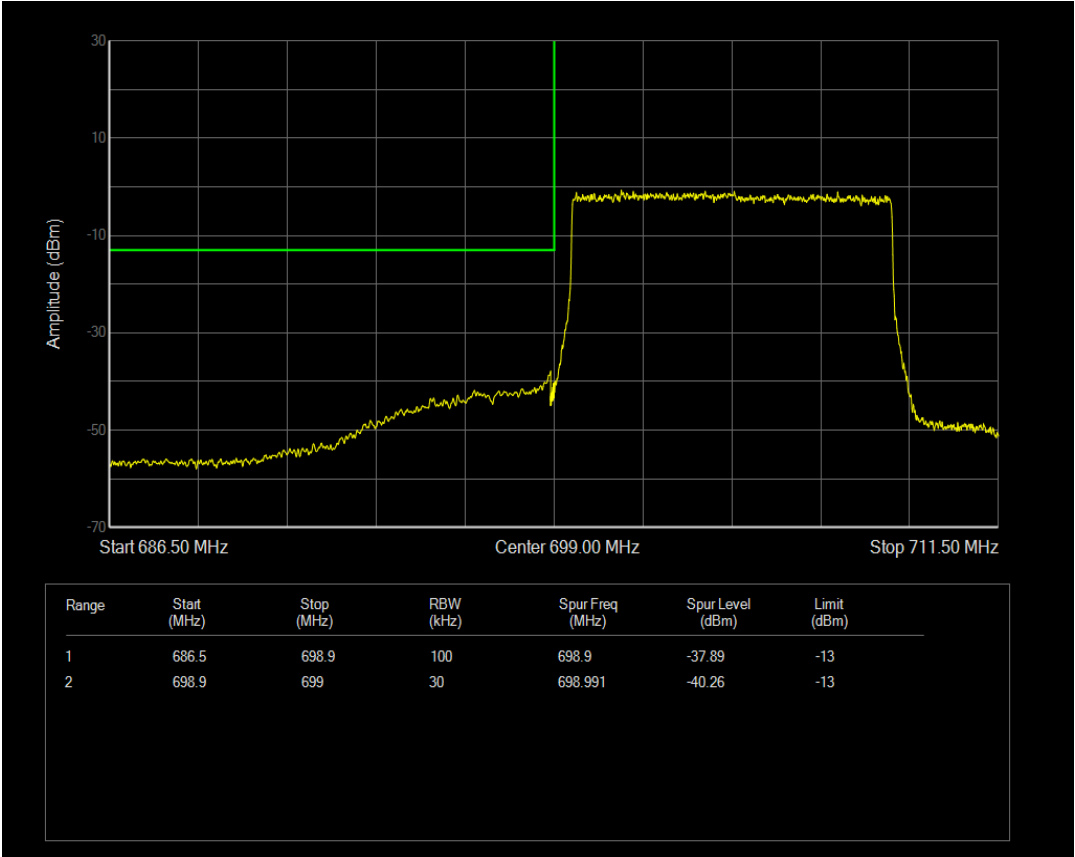
Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



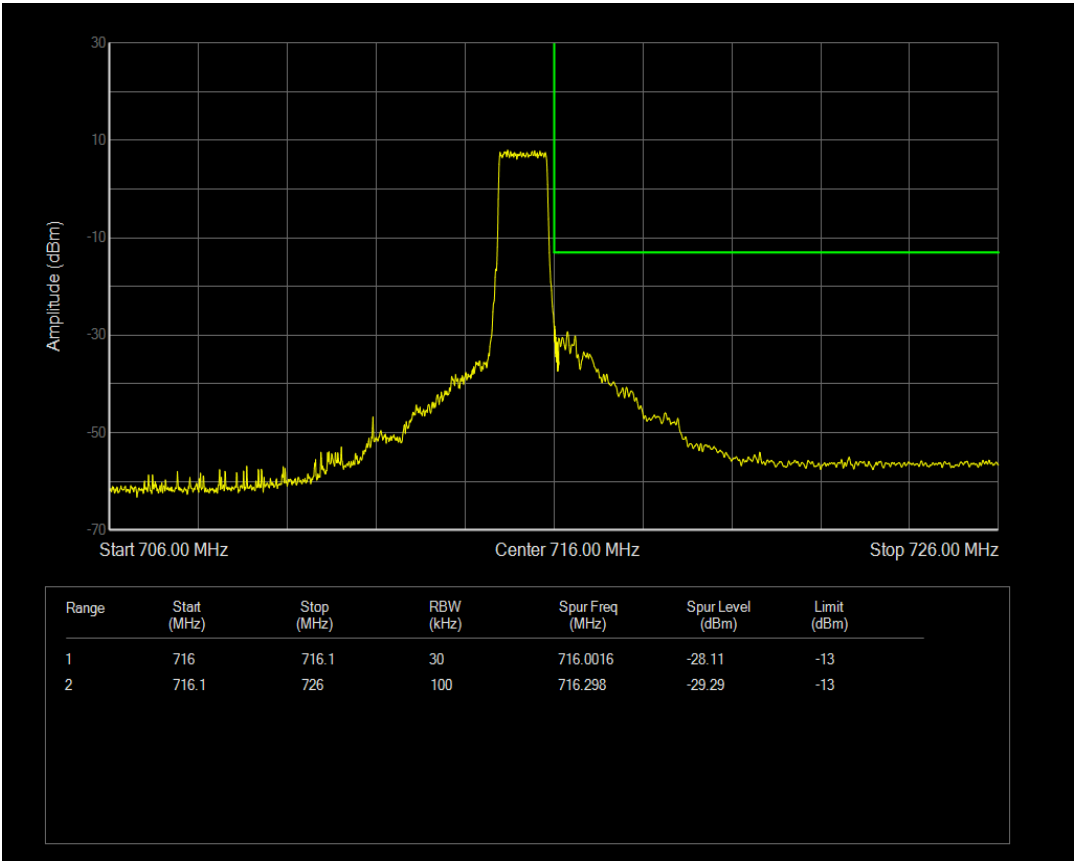
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



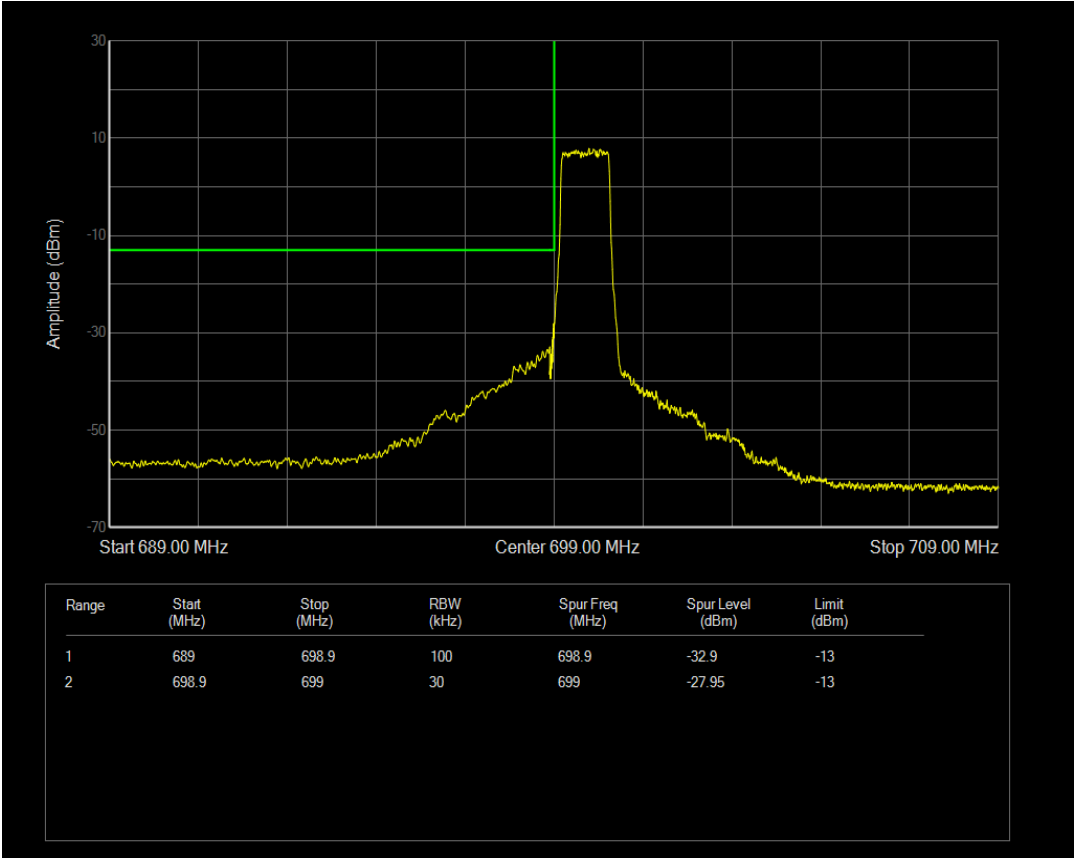
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



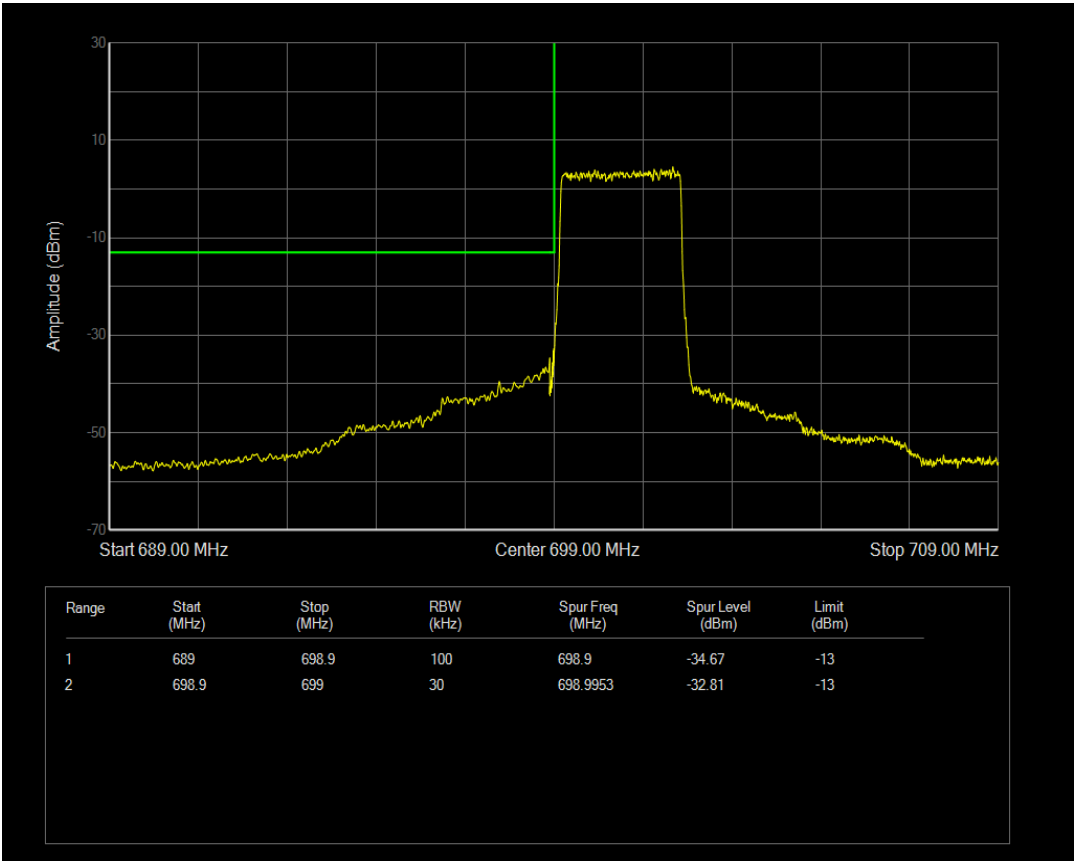
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



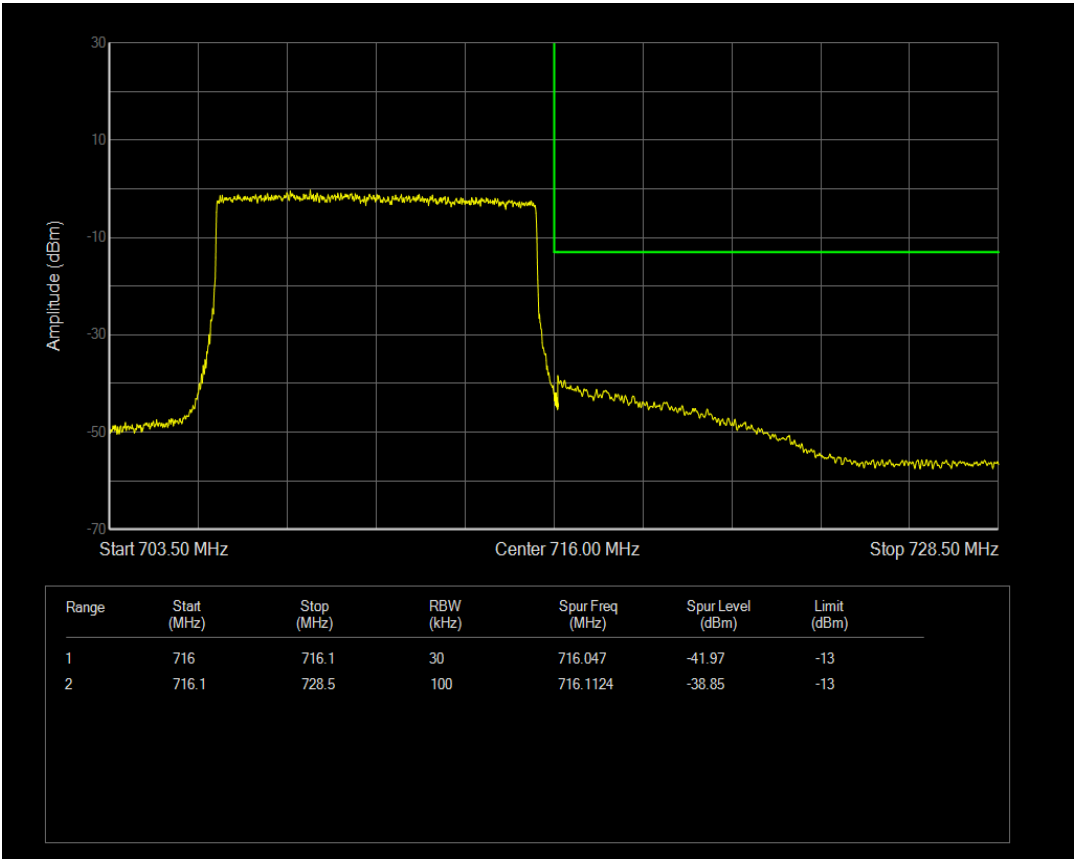
**Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0**



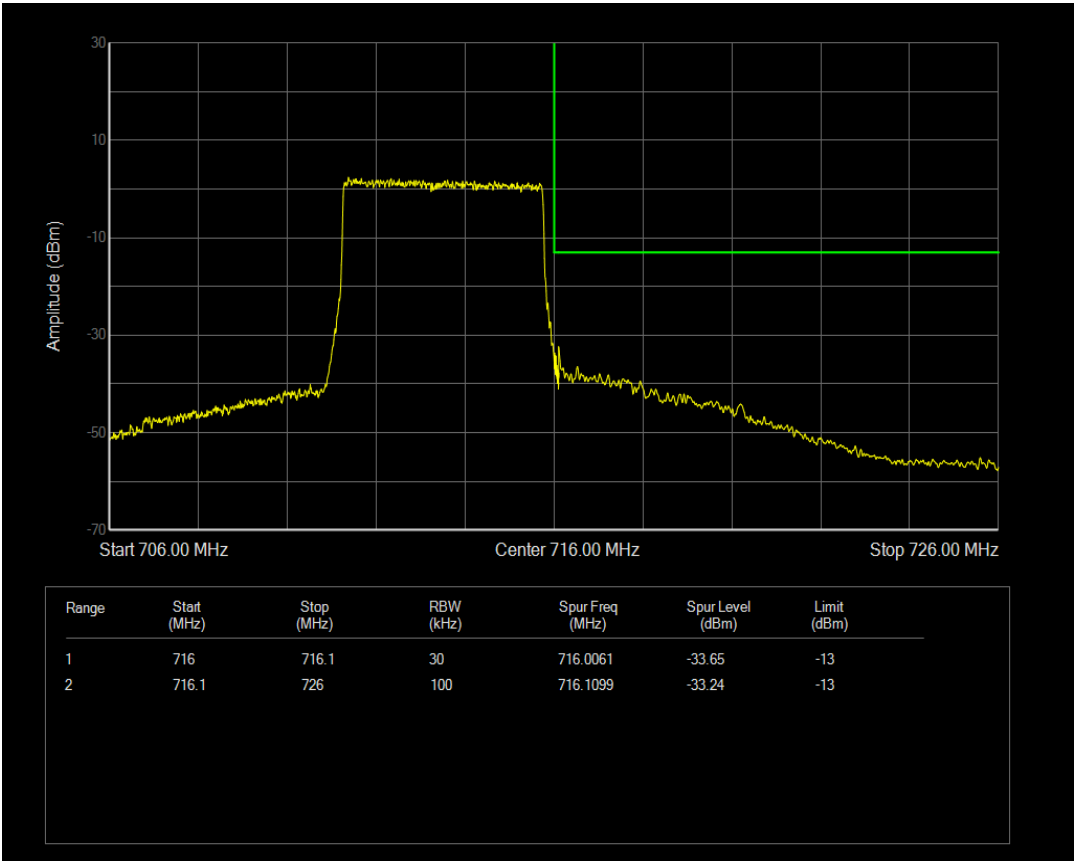
**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0**



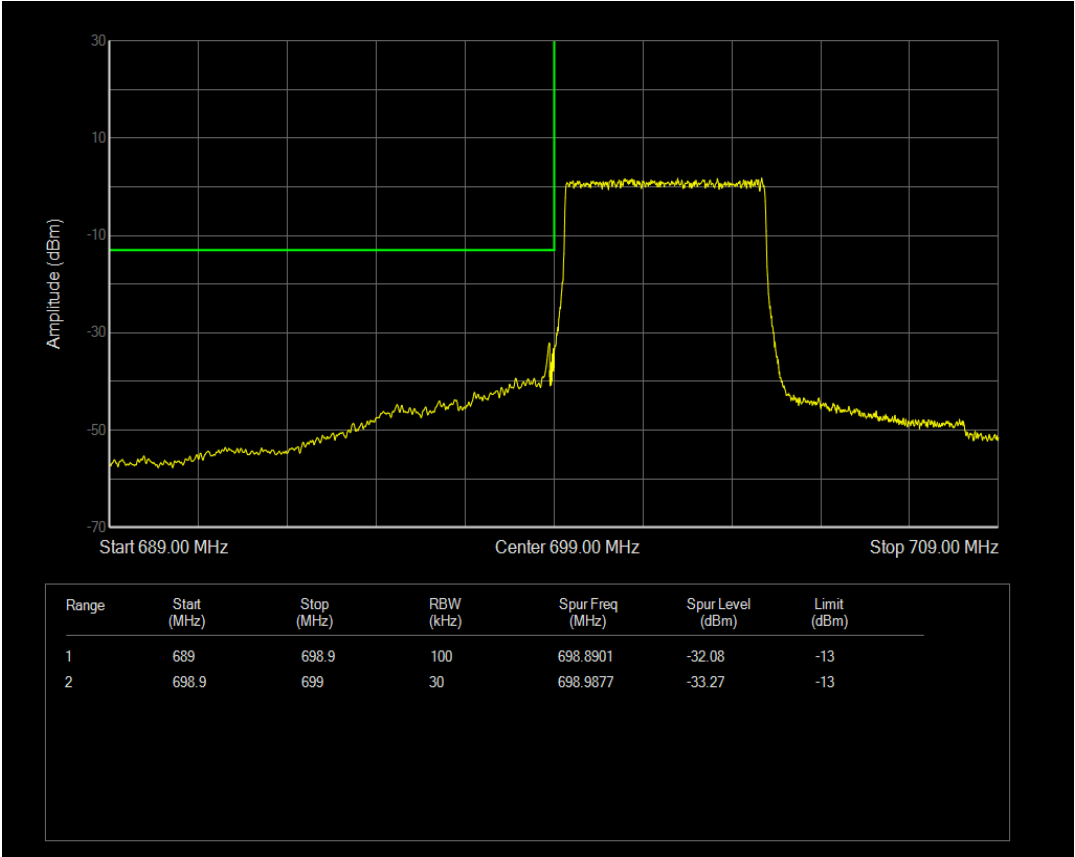
**Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0**



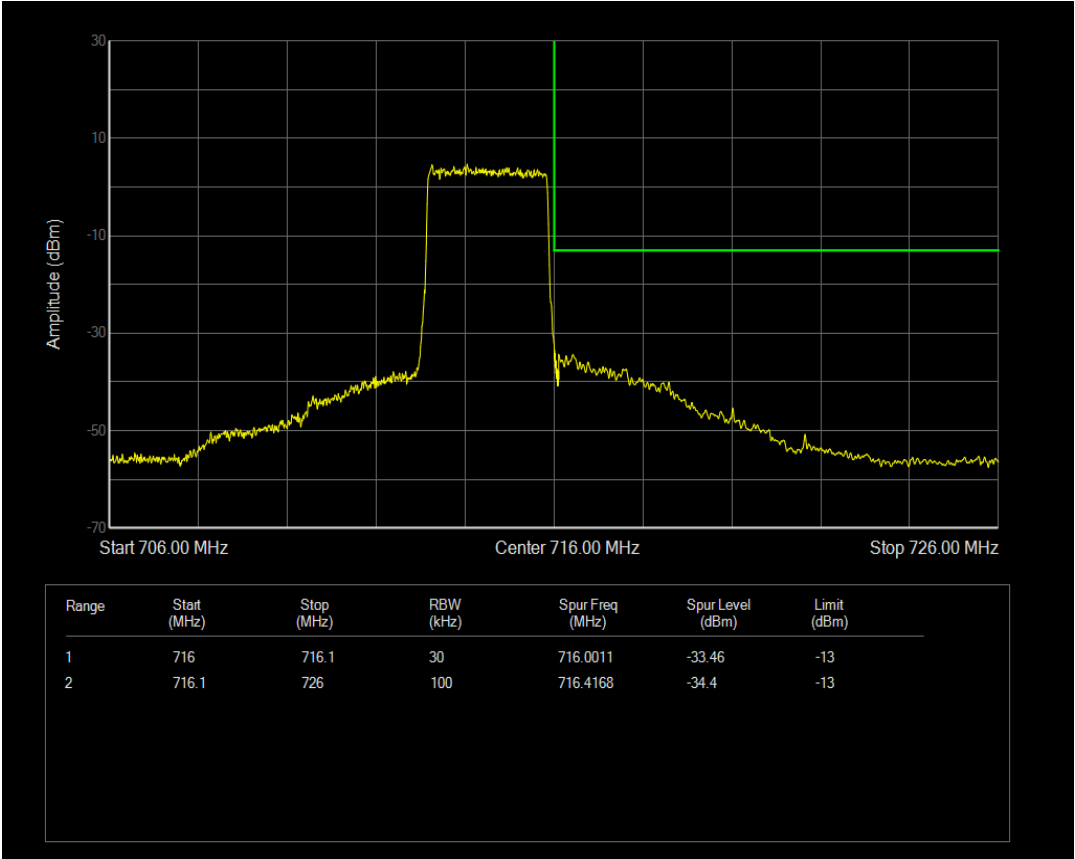
**Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0**



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



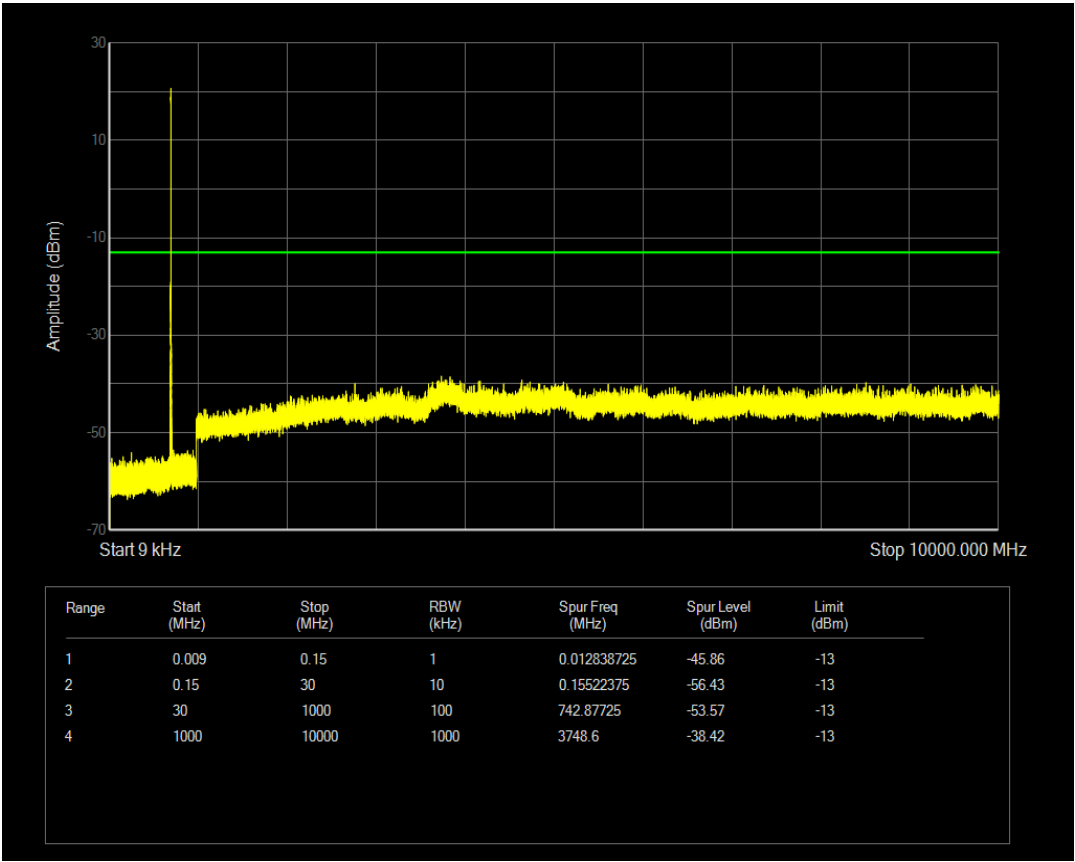
**Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0**



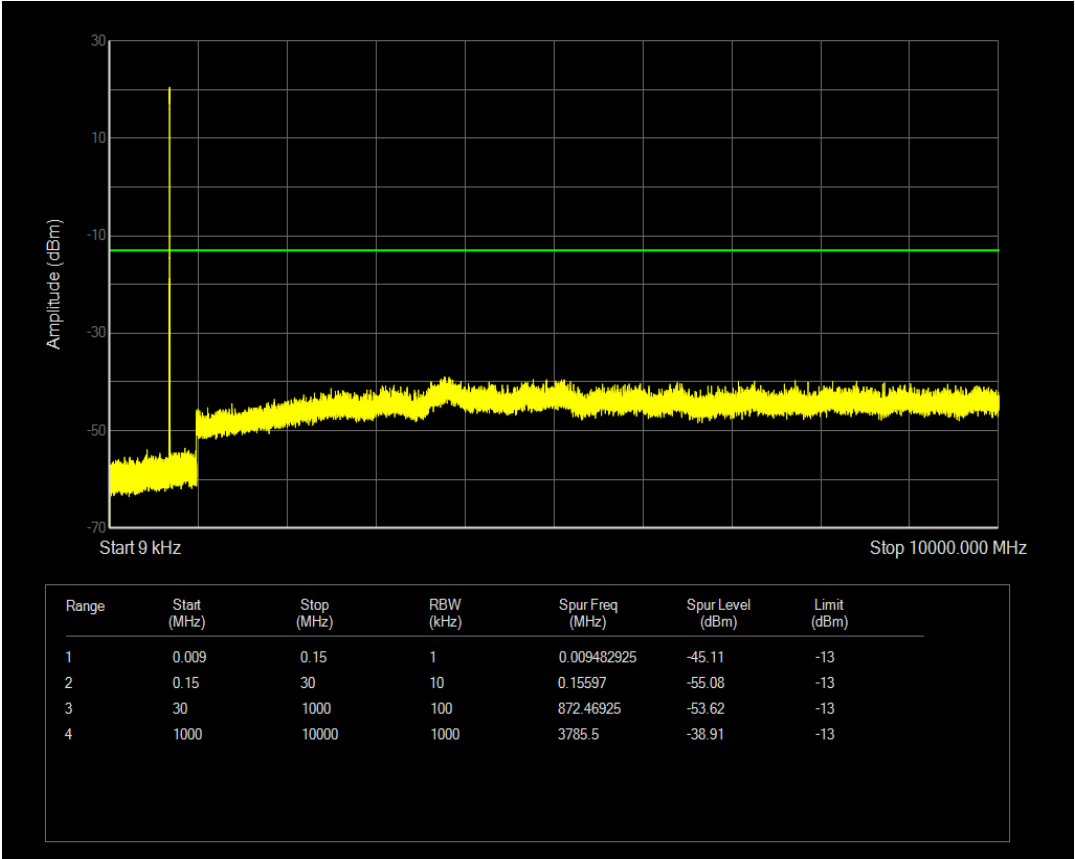
6 Out-of-band emissions

| 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       | 2099.35            | -38.06              | -13            | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QAM16      | 3785.50            | -38.91              | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 3866.95            | -38.63              | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QAM16      | 3748.60            | -38.42              | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 3807.33            | -38.30              | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QAM16      | 3774.25            | -37.34              | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 4801.60            | -38.95              | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QAM16      | 3845.80            | -38.36              | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 4975.75            | -38.04              | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QAM16      | 3741.18            | -38.23              | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 3778.30            | -38.37              | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QAM16      | 3782.35            | -38.16              | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 3949.08            | -38.75              | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QAM16      | 3695.28            | -38.49              | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 3862.00            | -38.85              | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QAM16      | 5117.05            | -37.90              | -13            | PASS    |

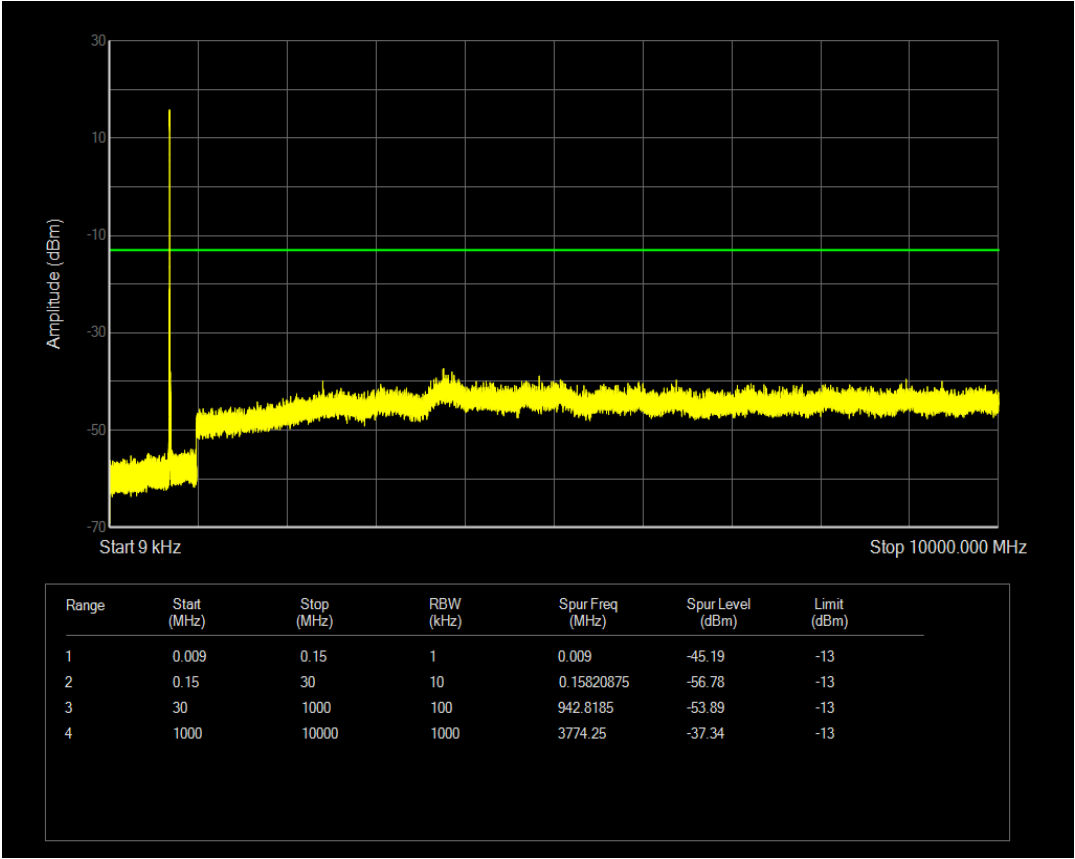
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



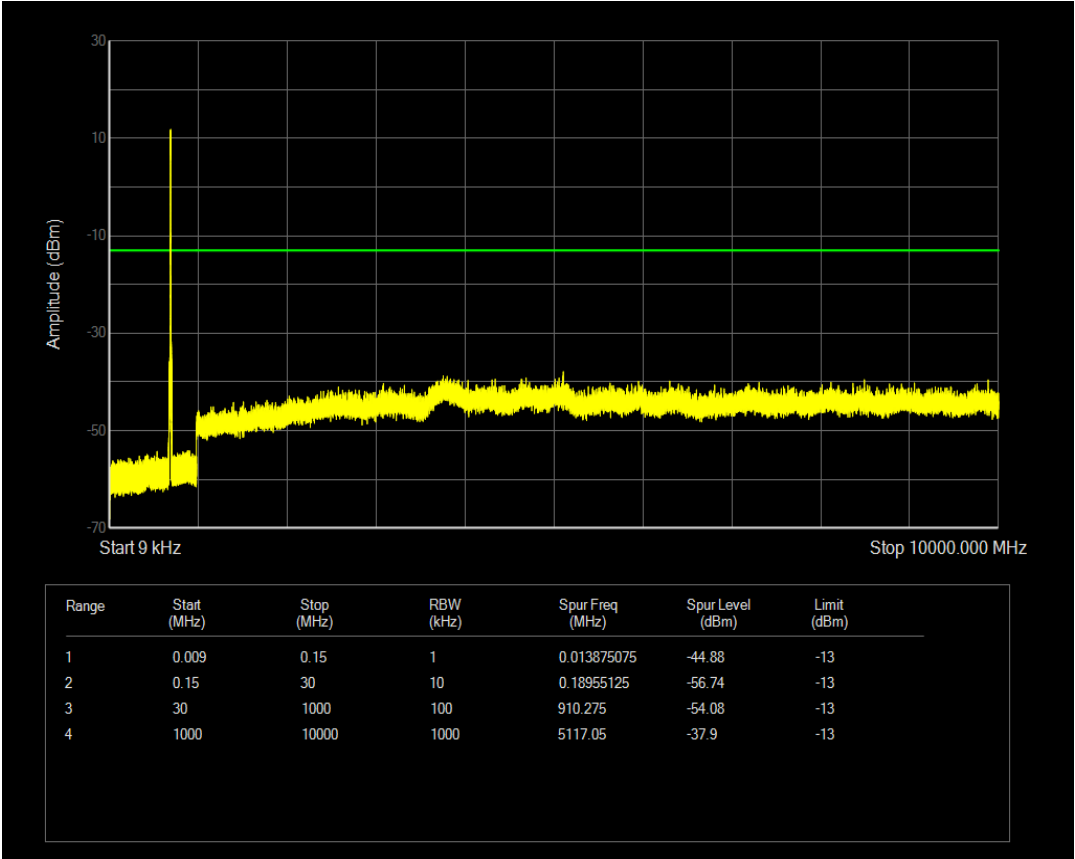
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



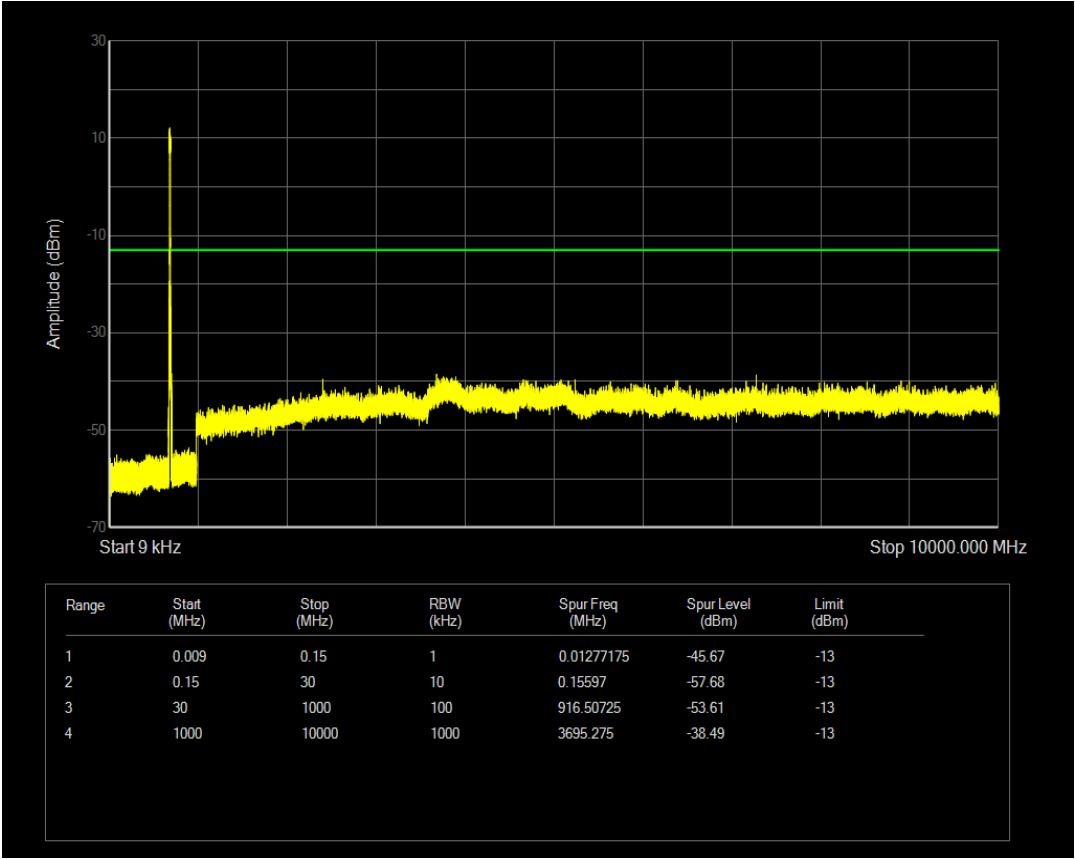
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



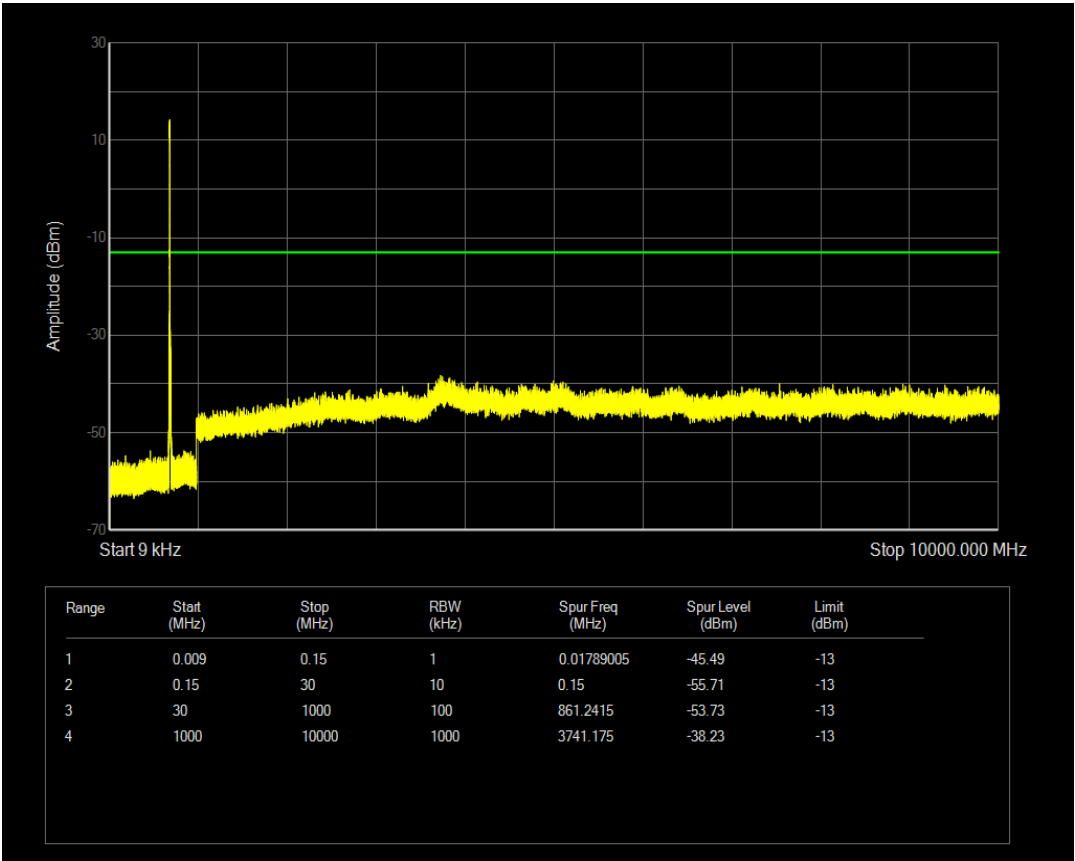
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



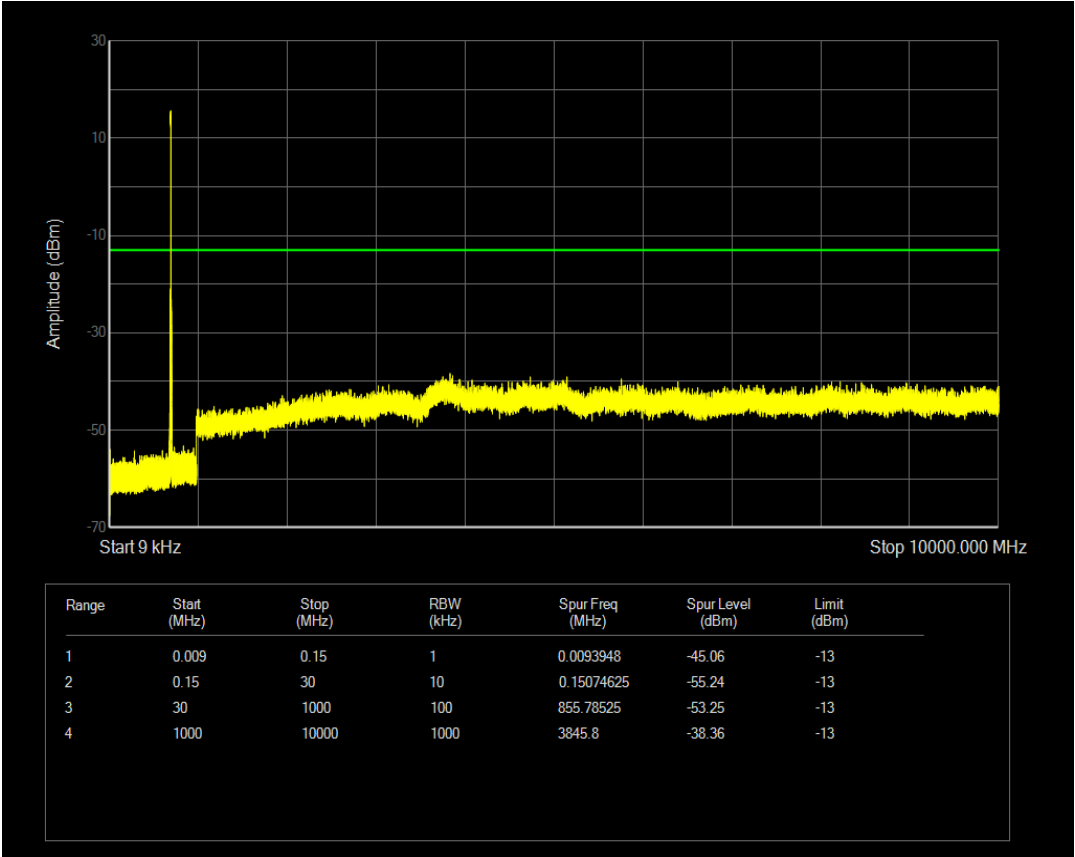
**Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0**



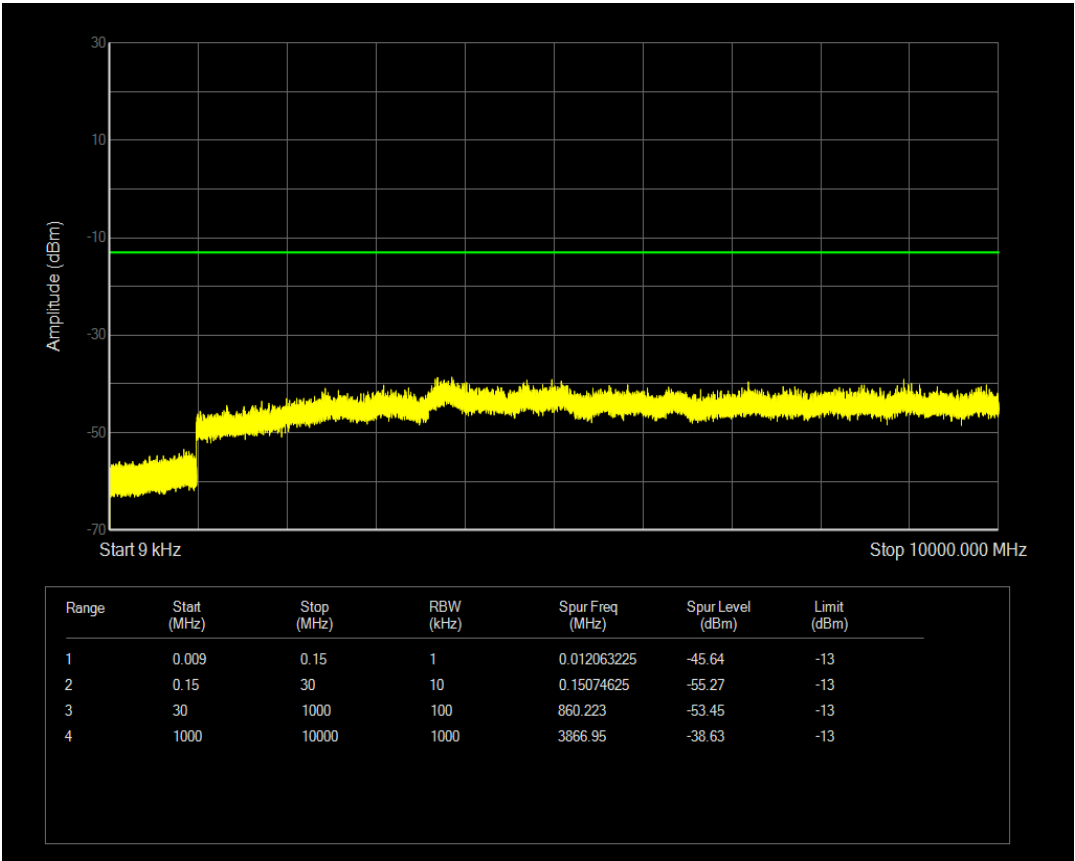
**Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0**



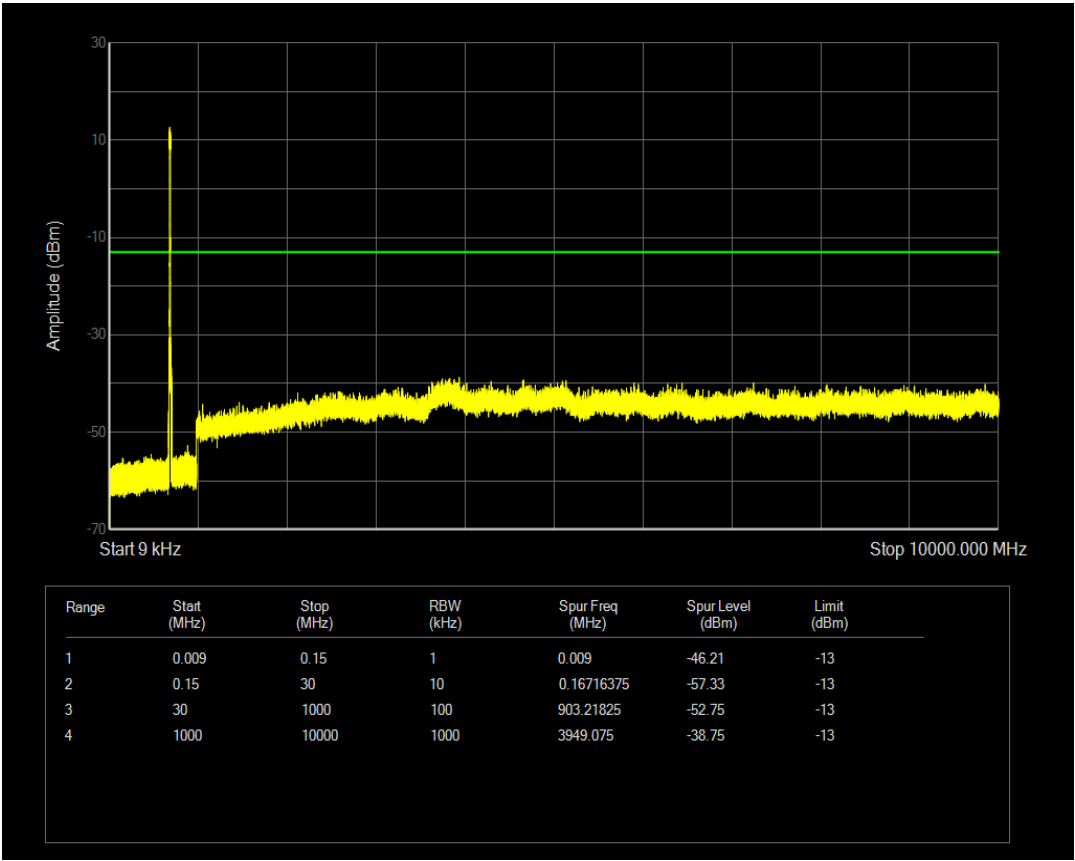
**Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0**



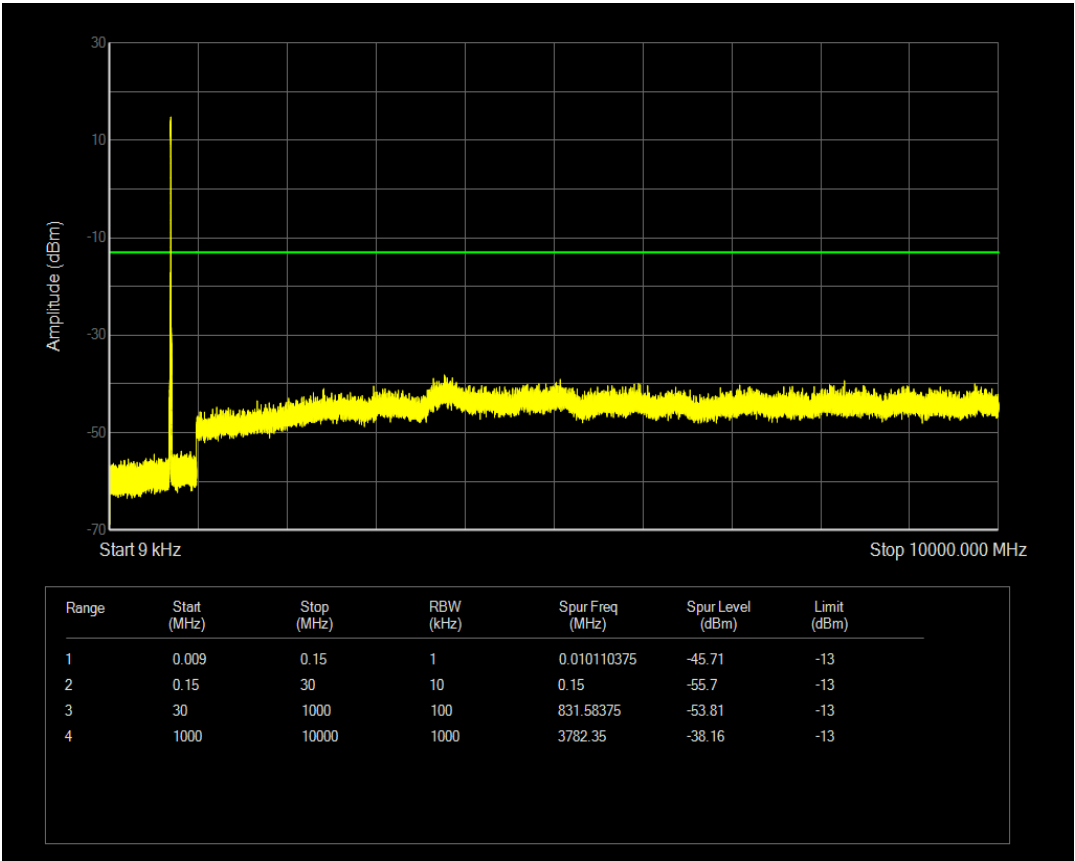
**Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**



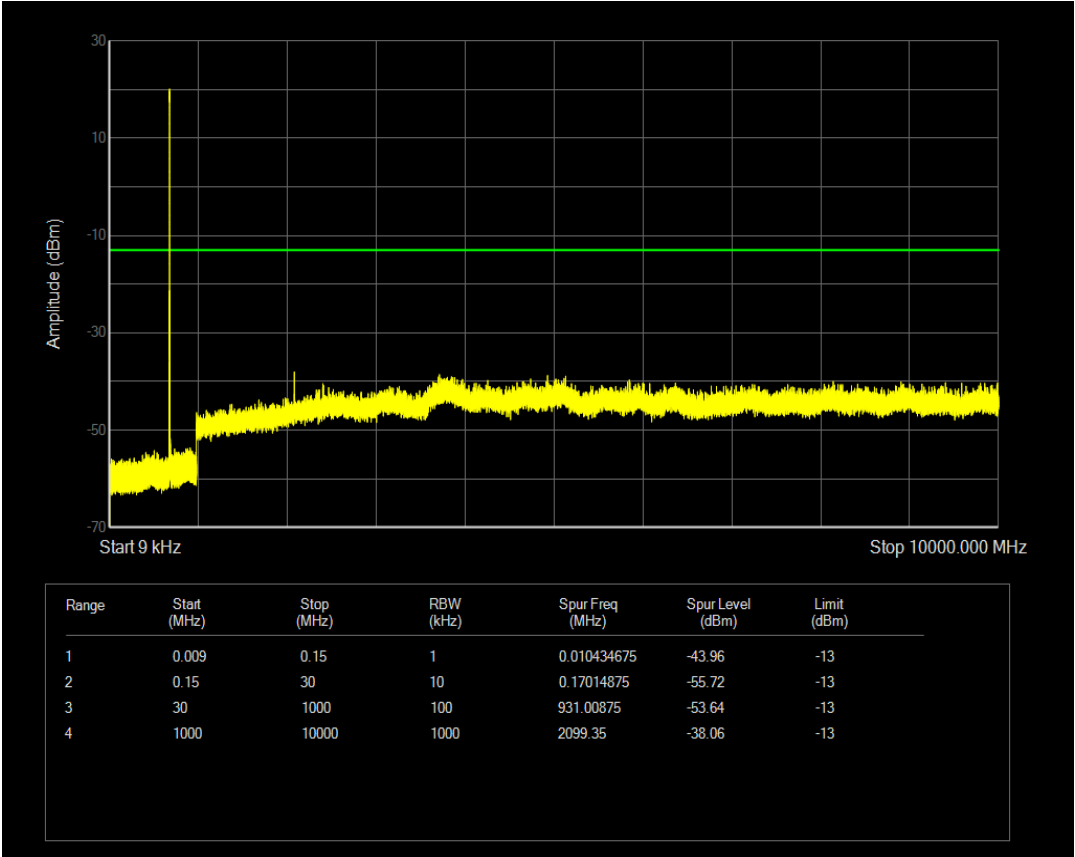
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



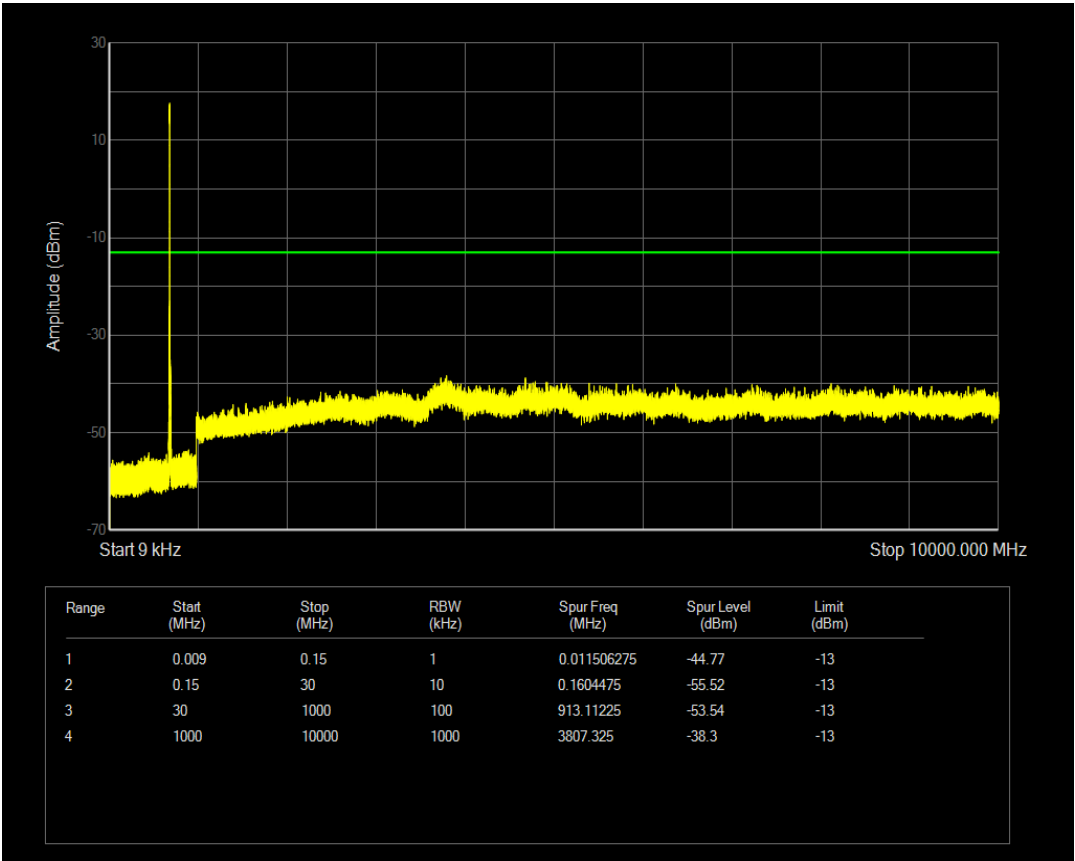
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



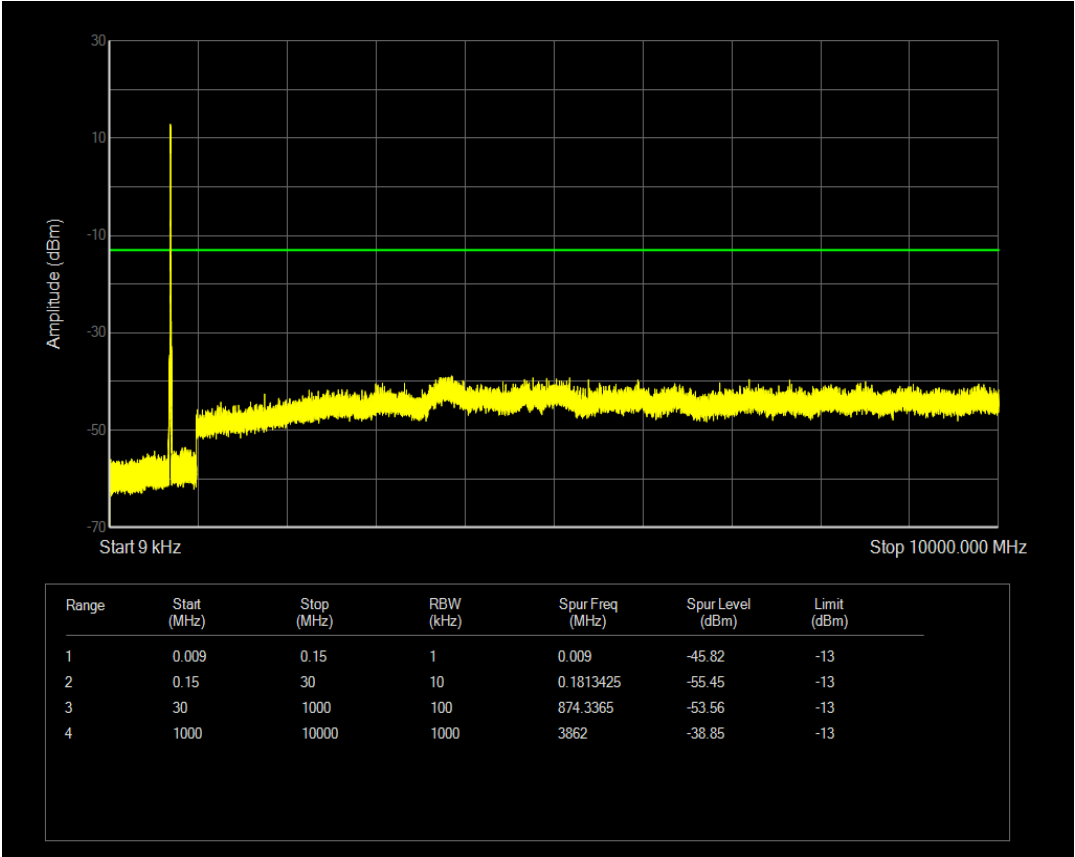
**Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0**



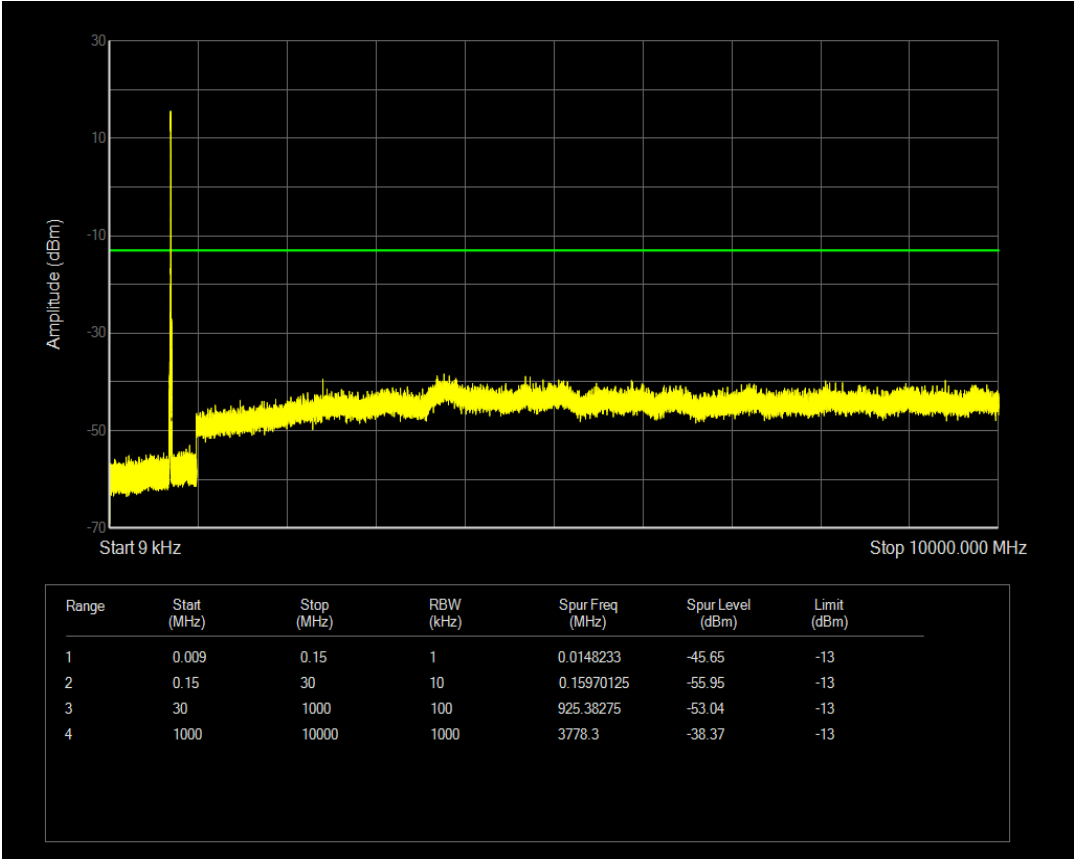
**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0**



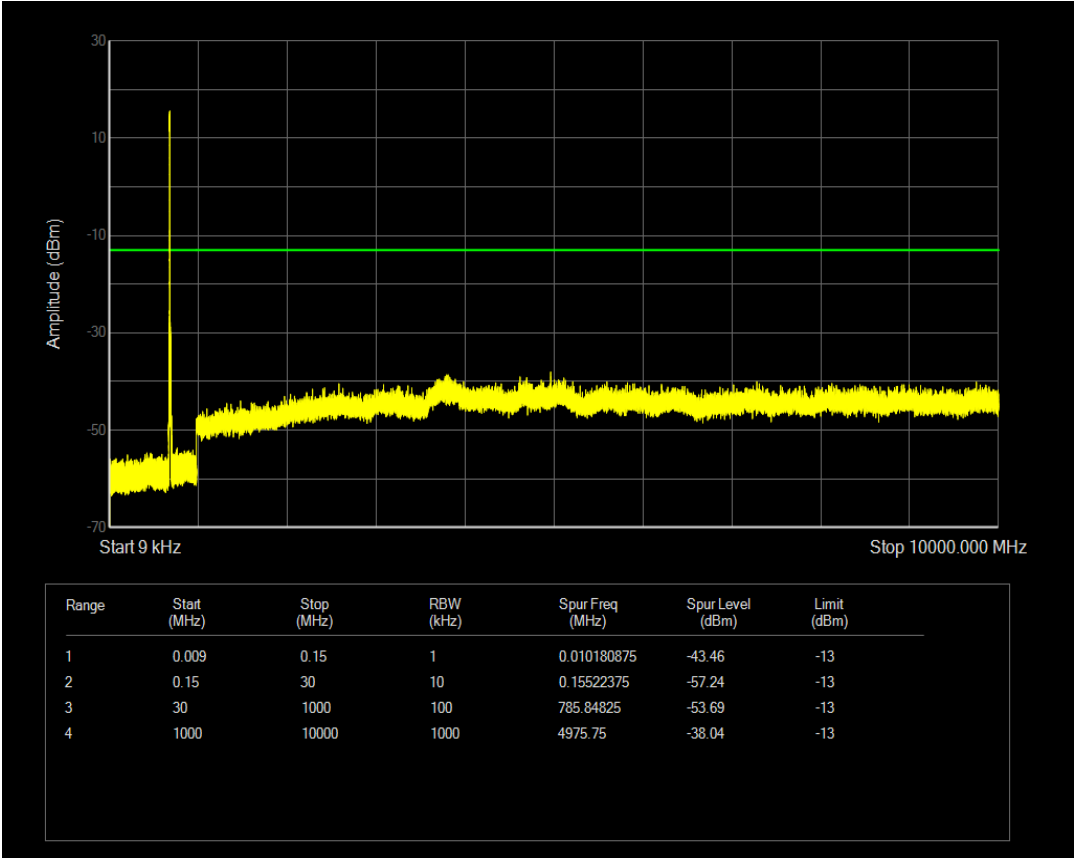
**Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0**



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



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



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

