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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<br>power<br>(dBm) | Antenna<br>Gain<br>(dBi) | Antenna<br>Gain<br>(dBd) | ERP<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|---------------------------------------|--------------------------|--------------------------|--------------|----------------|---------|
| Band12 | 1.4                | 23017         | 1          | #0             | QPSK       | 24.00                                 | -6.5                     | -8.65                    | 15.35        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QPSK       | 23.96                                 | -6.5                     | -8.65                    | 15.31        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QPSK       | 23.90                                 | -6.5                     | -8.65                    | 15.25        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #0             | QPSK       | 23.99                                 | -6.5                     | -8.65                    | 15.34        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QPSK       | 23.96                                 | -6.5                     | -8.65                    | 15.31        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QPSK       | 23.98                                 | -6.5                     | -8.65                    | 15.33        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 22.94                                 | -6.5                     | -8.65                    | 14.29        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #0             | QAM16      | 23.28                                 | -6.5                     | -8.65                    | 14.63        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Mid           | QAM16      | 23.31                                 | -6.5                     | -8.65                    | 14.66        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 1          | #Max           | QAM16      | 23.18                                 | -6.5                     | -8.65                    | 14.53        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #0             | QAM16      | 22.99                                 | -6.5                     | -8.65                    | 14.34        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Mid           | QAM16      | 23.14                                 | -6.5                     | -8.65                    | 14.49        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 3          | #Max           | QAM16      | 23.07                                 | -6.5                     | -8.65                    | 14.42        | 34.77          | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QAM16      | 22.05                                 | -6.5                     | -8.65                    | 13.4         | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 23.97                                 | -6.5                     | -8.65                    | 15.32        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QPSK       | 23.98                                 | -6.5                     | -8.65                    | 15.33        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QPSK       | 23.93                                 | -6.5                     | -8.65                    | 15.28        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #0             | QPSK       | 24.02                                 | -6.5                     | -8.65                    | 15.37        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QPSK       | 24.01                                 | -6.5                     | -8.65                    | 15.36        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QPSK       | 24.00                                 | -6.5                     | -8.65                    | 15.35        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QPSK       | 22.97                                 | -6.5                     | -8.65                    | 14.32        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QAM16      | 23.30                                 | -6.5                     | -8.65                    | 14.65        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Mid           | QAM16      | 23.43                                 | -6.5                     | -8.65                    | 14.78        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 1          | #Max           | QAM16      | 23.20                                 | -6.5                     | -8.65                    | 14.55        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #0             | QAM16      | 23.16                                 | -6.5                     | -8.65                    | 14.51        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Mid           | QAM16      | 23.17                                 | -6.5                     | -8.65                    | 14.52        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 3          | #Max           | QAM16      | 23.10                                 | -6.5                     | -8.65                    | 14.45        | 34.77          | PASS    |
| Band12 | 1.4                | 23095         | 6          | #0             | QAM16      | 22.06                                 | -6.5                     | -8.65                    | 13.41        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #0             | QPSK       | 23.91                                 | -6.5                     | -8.65                    | 15.26        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QPSK       | 23.92                                 | -6.5                     | -8.65                    | 15.27        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Max           | QPSK       | 23.92                                 | -6.5                     | -8.65                    | 15.27        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 3          | #0             | QPSK       | 23.90                                 | -6.5                     | -8.65                    | 15.25        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 3          | #Mid           | QPSK       | 23.93                                 | -6.5                     | -8.65                    | 15.28        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 3          | #Max           | QPSK       | 23.89                                 | -6.5                     | -8.65                    | 15.24        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 22.92                                 | -6.5                     | -8.65                    | 14.27        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #0             | QAM16      | 23.11                                 | -6.5                     | -8.65                    | 14.46        | 34.77          | PASS    |
| Band12 | 1.4                | 23173         | 1          | #Mid           | QAM16      | 23.20                                 | -6.5                     | -8.65                    | 14.55        | 34.77          | PASS    |

|        |     |       |    |      |       |       |      |       |       |       |      |
|--------|-----|-------|----|------|-------|-------|------|-------|-------|-------|------|
| Band12 | 1.4 | 23173 | 1  | #Max | QAM16 | 23.18 | -6.5 | -8.65 | 14.53 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 3  | #0   | QAM16 | 23.53 | -6.5 | -8.65 | 14.88 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Mid | QAM16 | 23.12 | -6.5 | -8.65 | 14.47 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 3  | #Max | QAM16 | 23.09 | -6.5 | -8.65 | 14.44 | 34.77 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0   | QAM16 | 21.98 | -6.5 | -8.65 | 13.33 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | QPSK  | 23.86 | -6.5 | -8.65 | 15.21 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | QPSK  | 23.96 | -6.5 | -8.65 | 15.31 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | QPSK  | 23.86 | -6.5 | -8.65 | 15.21 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | QPSK  | 22.97 | -6.5 | -8.65 | 14.32 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | QPSK  | 22.98 | -6.5 | -8.65 | 14.33 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | QPSK  | 23.02 | -6.5 | -8.65 | 14.37 | 34.77 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | QPSK  | 23.00 | -6.5 | -8.65 | 14.35 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #0   | QAM16 | 23.39 | -6.5 | -8.65 | 14.74 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Mid | QAM16 | 23.43 | -6.5 | -8.65 | 14.78 | 34.77 | PASS |
| Band12 | 3   | 23025 | 1  | #Max | QAM16 | 23.27 | -6.5 | -8.65 | 14.62 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #0   | QAM16 | 22.04 | -6.5 | -8.65 | 13.39 | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Mid | QAM16 | 22.05 | -6.5 | -8.65 | 13.4  | 34.77 | PASS |
| Band12 | 3   | 23025 | 8  | #Max | QAM16 | 22.01 | -6.5 | -8.65 | 13.36 | 34.77 | PASS |
| Band12 | 3   | 23025 | 15 | #0   | QAM16 | 21.96 | -6.5 | -8.65 | 13.31 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | QPSK  | 23.88 | -6.5 | -8.65 | 15.23 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | QPSK  | 23.95 | -6.5 | -8.65 | 15.3  | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | QPSK  | 23.93 | -6.5 | -8.65 | 15.28 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | QPSK  | 22.90 | -6.5 | -8.65 | 14.25 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | QPSK  | 23.01 | -6.5 | -8.65 | 14.36 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | QPSK  | 22.97 | -6.5 | -8.65 | 14.32 | 34.77 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | QPSK  | 22.99 | -6.5 | -8.65 | 14.34 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #0   | QAM16 | 23.30 | -6.5 | -8.65 | 14.65 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Mid | QAM16 | 23.26 | -6.5 | -8.65 | 14.61 | 34.77 | PASS |
| Band12 | 3   | 23095 | 1  | #Max | QAM16 | 23.27 | -6.5 | -8.65 | 14.62 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #0   | QAM16 | 21.98 | -6.5 | -8.65 | 13.33 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Mid | QAM16 | 22.06 | -6.5 | -8.65 | 13.41 | 34.77 | PASS |
| Band12 | 3   | 23095 | 8  | #Max | QAM16 | 22.02 | -6.5 | -8.65 | 13.37 | 34.77 | PASS |
| Band12 | 3   | 23095 | 15 | #0   | QAM16 | 21.99 | -6.5 | -8.65 | 13.34 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | QPSK  | 23.88 | -6.5 | -8.65 | 15.23 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | QPSK  | 23.91 | -6.5 | -8.65 | 15.26 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Max | QPSK  | 23.82 | -6.5 | -8.65 | 15.17 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #0   | QPSK  | 22.88 | -6.5 | -8.65 | 14.23 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #Mid | QPSK  | 22.97 | -6.5 | -8.65 | 14.32 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #Max | QPSK  | 22.89 | -6.5 | -8.65 | 14.24 | 34.77 | PASS |
| Band12 | 3   | 23165 | 15 | #0   | QPSK  | 22.83 | -6.5 | -8.65 | 14.18 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #0   | QAM16 | 23.14 | -6.5 | -8.65 | 14.49 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Mid | QAM16 | 23.31 | -6.5 | -8.65 | 14.66 | 34.77 | PASS |
| Band12 | 3   | 23165 | 1  | #Max | QAM16 | 23.13 | -6.5 | -8.65 | 14.48 | 34.77 | PASS |
| Band12 | 3   | 23165 | 8  | #0   | QAM16 | 21.94 | -6.5 | -8.65 | 13.29 | 34.77 | PASS |

|        |   |       |    |      |       |       |      |       |       |       |      |
|--------|---|-------|----|------|-------|-------|------|-------|-------|-------|------|
| Band12 | 3 | 23165 | 8  | #Mid | QAM16 | 21.98 | -6.5 | -8.65 | 13.33 | 34.77 | PASS |
| Band12 | 3 | 23165 | 8  | #Max | QAM16 | 21.94 | -6.5 | -8.65 | 13.29 | 34.77 | PASS |
| Band12 | 3 | 23165 | 15 | #0   | QAM16 | 21.87 | -6.5 | -8.65 | 13.22 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | QPSK  | 23.97 | -6.5 | -8.65 | 15.32 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | QPSK  | 24.03 | -6.5 | -8.65 | 15.38 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | QPSK  | 23.98 | -6.5 | -8.65 | 15.33 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | QPSK  | 22.99 | -6.5 | -8.65 | 14.34 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | QPSK  | 22.99 | -6.5 | -8.65 | 14.34 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | QPSK  | 22.97 | -6.5 | -8.65 | 14.32 | 34.77 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | QPSK  | 22.95 | -6.5 | -8.65 | 14.3  | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #0   | QAM16 | 23.43 | -6.5 | -8.65 | 14.78 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Mid | QAM16 | 23.42 | -6.5 | -8.65 | 14.77 | 34.77 | PASS |
| Band12 | 5 | 23035 | 1  | #Max | QAM16 | 23.43 | -6.5 | -8.65 | 14.78 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #0   | QAM16 | 21.97 | -6.5 | -8.65 | 13.32 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Mid | QAM16 | 21.98 | -6.5 | -8.65 | 13.33 | 34.77 | PASS |
| Band12 | 5 | 23035 | 12 | #Max | QAM16 | 21.98 | -6.5 | -8.65 | 13.33 | 34.77 | PASS |
| Band12 | 5 | 23035 | 25 | #0   | QAM16 | 21.95 | -6.5 | -8.65 | 13.3  | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | QPSK  | 23.89 | -6.5 | -8.65 | 15.24 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | QPSK  | 24.04 | -6.5 | -8.65 | 15.39 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | QPSK  | 23.87 | -6.5 | -8.65 | 15.22 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | QPSK  | 22.91 | -6.5 | -8.65 | 14.26 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | QPSK  | 23.03 | -6.5 | -8.65 | 14.38 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | QPSK  | 22.98 | -6.5 | -8.65 | 14.33 | 34.77 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | QPSK  | 22.97 | -6.5 | -8.65 | 14.32 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #0   | QAM16 | 23.34 | -6.5 | -8.65 | 14.69 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Mid | QAM16 | 23.38 | -6.5 | -8.65 | 14.73 | 34.77 | PASS |
| Band12 | 5 | 23095 | 1  | #Max | QAM16 | 23.40 | -6.5 | -8.65 | 14.75 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #0   | QAM16 | 21.97 | -6.5 | -8.65 | 13.32 | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Mid | QAM16 | 22.05 | -6.5 | -8.65 | 13.4  | 34.77 | PASS |
| Band12 | 5 | 23095 | 12 | #Max | QAM16 | 22.01 | -6.5 | -8.65 | 13.36 | 34.77 | PASS |
| Band12 | 5 | 23095 | 25 | #0   | QAM16 | 21.98 | -6.5 | -8.65 | 13.33 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | QPSK  | 23.88 | -6.5 | -8.65 | 15.23 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | QPSK  | 24.00 | -6.5 | -8.65 | 15.35 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | QPSK  | 23.88 | -6.5 | -8.65 | 15.23 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #0   | QPSK  | 22.92 | -6.5 | -8.65 | 14.27 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Mid | QPSK  | 23.04 | -6.5 | -8.65 | 14.39 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Max | QPSK  | 23.00 | -6.5 | -8.65 | 14.35 | 34.77 | PASS |
| Band12 | 5 | 23155 | 25 | #0   | QPSK  | 22.96 | -6.5 | -8.65 | 14.31 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #0   | QAM16 | 23.37 | -6.5 | -8.65 | 14.72 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Mid | QAM16 | 23.43 | -6.5 | -8.65 | 14.78 | 34.77 | PASS |
| Band12 | 5 | 23155 | 1  | #Max | QAM16 | 23.50 | -6.5 | -8.65 | 14.85 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #0   | QAM16 | 21.96 | -6.5 | -8.65 | 13.31 | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Mid | QAM16 | 22.05 | -6.5 | -8.65 | 13.4  | 34.77 | PASS |
| Band12 | 5 | 23155 | 12 | #Max | QAM16 | 22.02 | -6.5 | -8.65 | 13.37 | 34.77 | PASS |

|        |    |       |    |      |       |       |      |       |       |       |      |
|--------|----|-------|----|------|-------|-------|------|-------|-------|-------|------|
| Band12 | 5  | 23155 | 25 | #0   | QAM16 | 22.00 | -6.5 | -8.65 | 13.35 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | QPSK  | 20.87 | -6.5 | -8.65 | 12.22 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | QPSK  | 23.98 | -6.5 | -8.65 | 15.33 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | QPSK  | 23.95 | -6.5 | -8.65 | 15.3  | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | QPSK  | 22.98 | -6.5 | -8.65 | 14.33 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | QPSK  | 23.04 | -6.5 | -8.65 | 14.39 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | QPSK  | 23.02 | -6.5 | -8.65 | 14.37 | 34.77 | PASS |
| Band12 | 10 | 23060 | 50 | #0   | QPSK  | 23.01 | -6.5 | -8.65 | 14.36 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #0   | QAM16 | 23.25 | -6.5 | -8.65 | 14.6  | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Mid | QAM16 | 23.24 | -6.5 | -8.65 | 14.59 | 34.77 | PASS |
| Band12 | 10 | 23060 | 1  | #Max | QAM16 | 22.22 | -6.5 | -8.65 | 13.57 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #0   | QAM16 | 21.92 | -6.5 | -8.65 | 13.27 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Mid | QAM16 | 22.02 | -6.5 | -8.65 | 13.37 | 34.77 | PASS |
| Band12 | 10 | 23060 | 25 | #Max | QAM16 | 22.02 | -6.5 | -8.65 | 13.37 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | QPSK  | 24.03 | -6.5 | -8.65 | 15.38 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | QPSK  | 23.99 | -6.5 | -8.65 | 15.34 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | QPSK  | 23.89 | -6.5 | -8.65 | 15.24 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | QPSK  | 22.95 | -6.5 | -8.65 | 14.3  | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | QPSK  | 23.02 | -6.5 | -8.65 | 14.37 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | QPSK  | 22.96 | -6.5 | -8.65 | 14.31 | 34.77 | PASS |
| Band12 | 10 | 23095 | 50 | #0   | QPSK  | 23.00 | -6.5 | -8.65 | 14.35 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #0   | QAM16 | 23.10 | -6.5 | -8.65 | 14.45 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Mid | QAM16 | 23.14 | -6.5 | -8.65 | 14.49 | 34.77 | PASS |
| Band12 | 10 | 23095 | 1  | #Max | QAM16 | 23.02 | -6.5 | -8.65 | 14.37 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #0   | QAM16 | 21.91 | -6.5 | -8.65 | 13.26 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Mid | QAM16 | 22.06 | -6.5 | -8.65 | 13.41 | 34.77 | PASS |
| Band12 | 10 | 23095 | 25 | #Max | QAM16 | 22.01 | -6.5 | -8.65 | 13.36 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | QPSK  | 23.91 | -6.5 | -8.65 | 15.26 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | QPSK  | 23.97 | -6.5 | -8.65 | 15.32 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | QPSK  | 23.87 | -6.5 | -8.65 | 15.22 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | QPSK  | 22.95 | -6.5 | -8.65 | 14.3  | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Mid | QPSK  | 22.99 | -6.5 | -8.65 | 14.34 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | QPSK  | 22.96 | -6.5 | -8.65 | 14.31 | 34.77 | PASS |
| Band12 | 10 | 23130 | 50 | #0   | QPSK  | 22.89 | -6.5 | -8.65 | 14.24 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #0   | QAM16 | 23.13 | -6.5 | -8.65 | 14.48 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Mid | QAM16 | 22.69 | -6.5 | -8.65 | 14.04 | 34.77 | PASS |
| Band12 | 10 | 23130 | 1  | #Max | QAM16 | 22.83 | -6.5 | -8.65 | 14.18 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #0   | QAM16 | 22.92 | -6.5 | -8.65 | 14.27 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Mid | QAM16 | 22.86 | -6.5 | -8.65 | 14.21 | 34.77 | PASS |
| Band12 | 10 | 23130 | 25 | #Max | QAM16 | 22.82 | -6.5 | -8.65 | 14.17 | 34.77 | PASS |

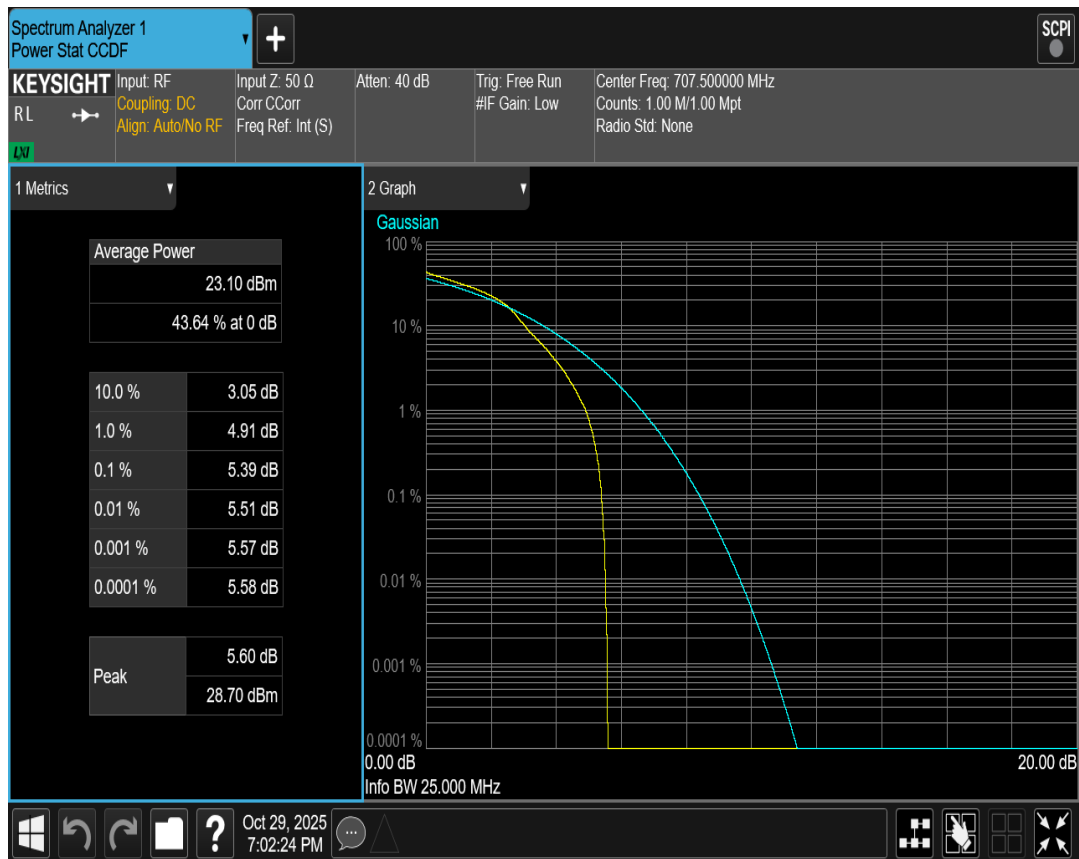
## 2 Frequency stability

| <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              | -0.20             | -0.0003                 | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QPSK              | -0.22             | -0.0003                 | -2.5                           | 2.5                             | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QPSK              | 0.14              | 0.0002                  | -2.5                           | 2.5                             | PASS           |

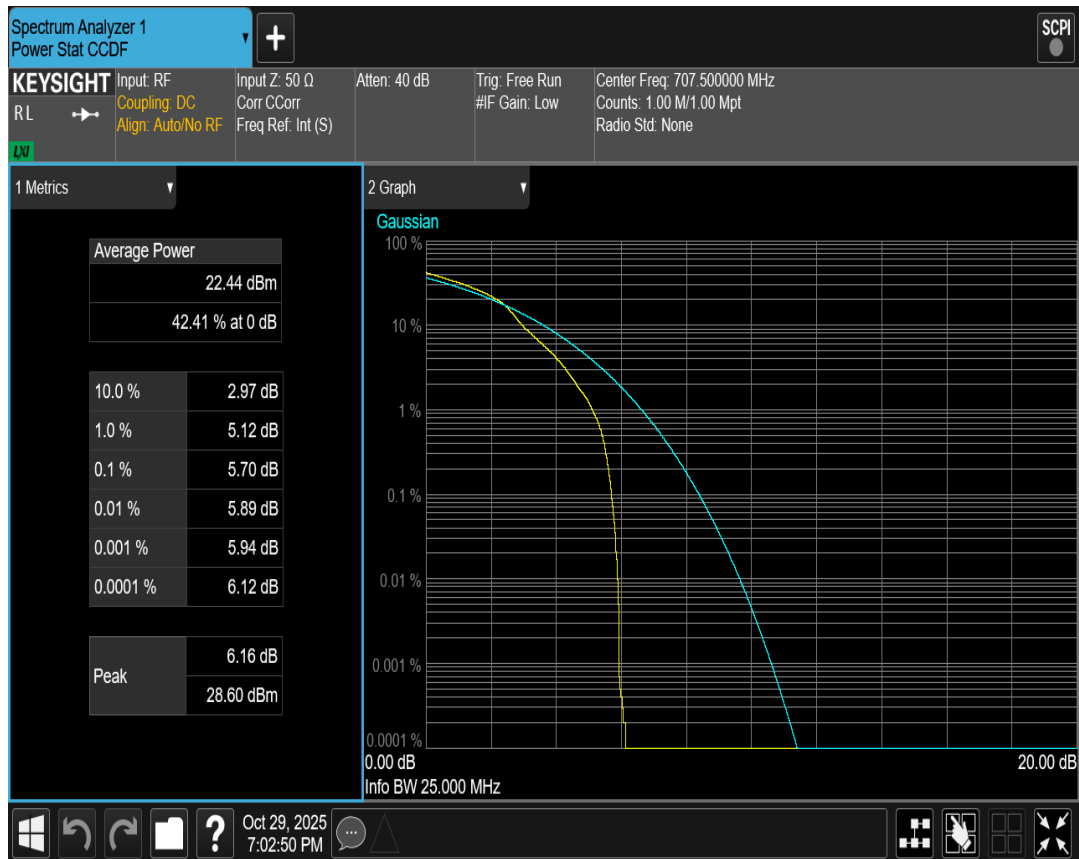
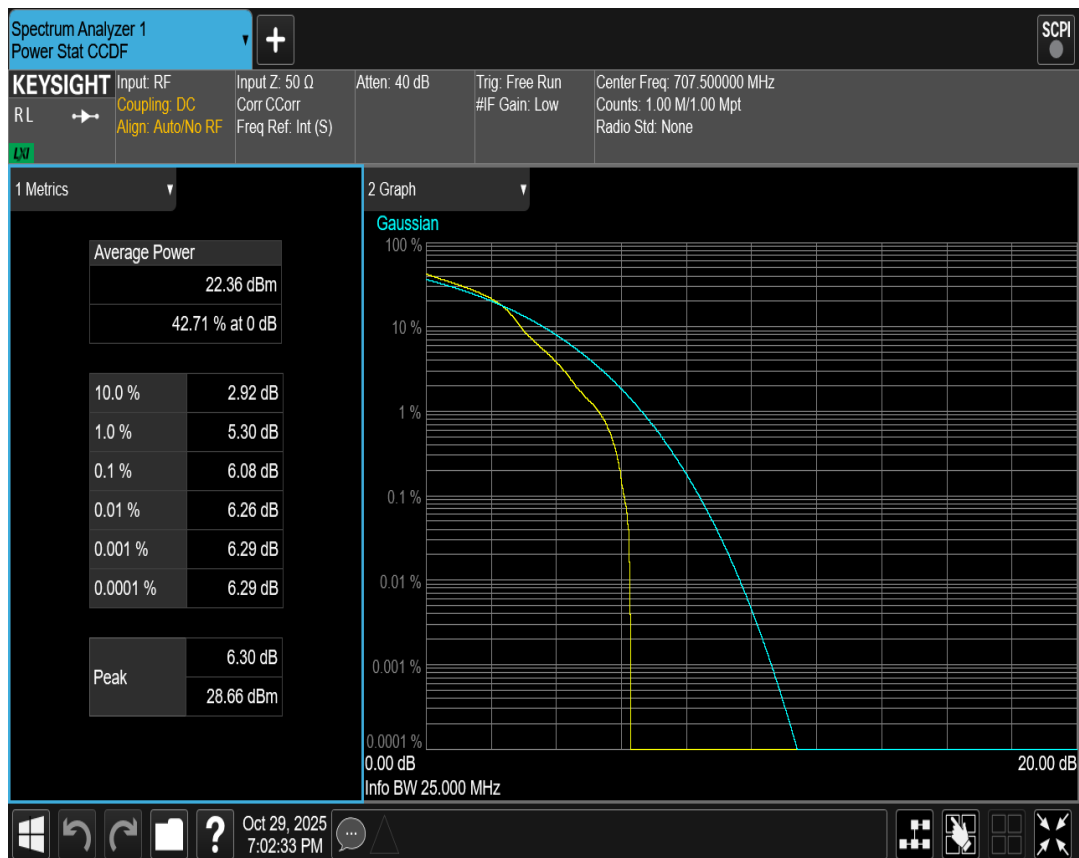
### 3 Peak-to-Average Ratio

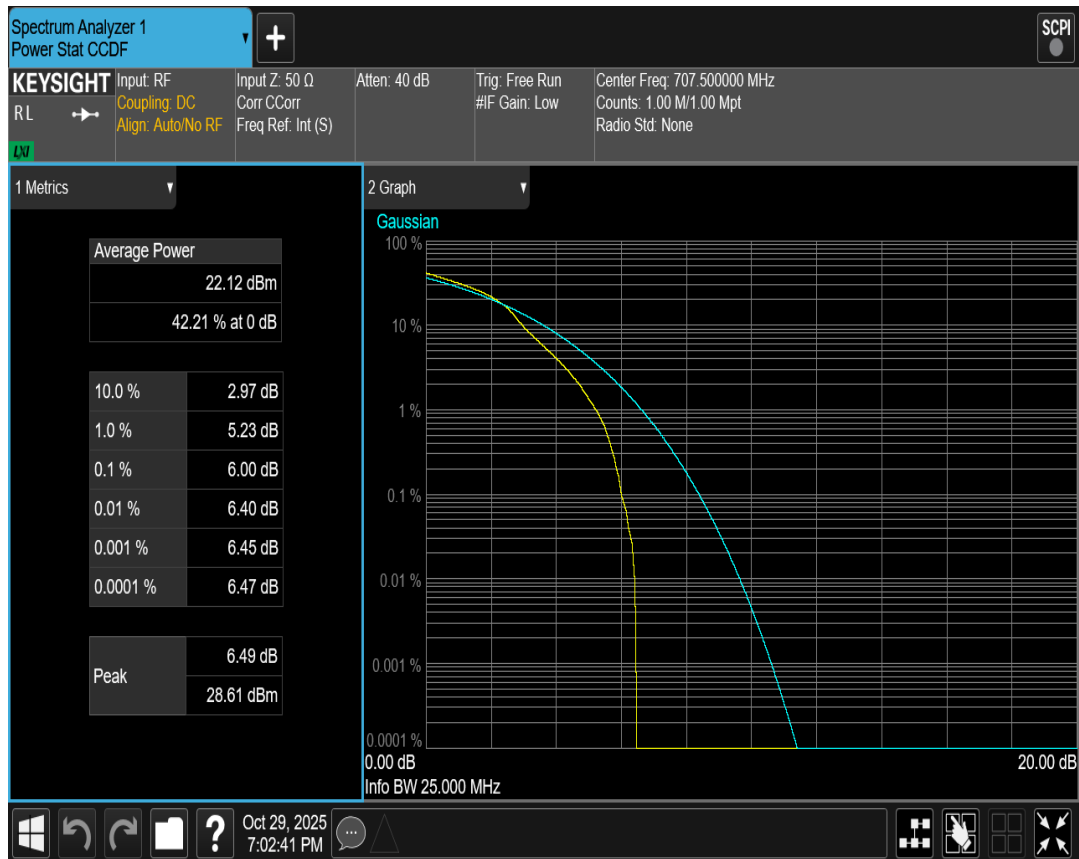
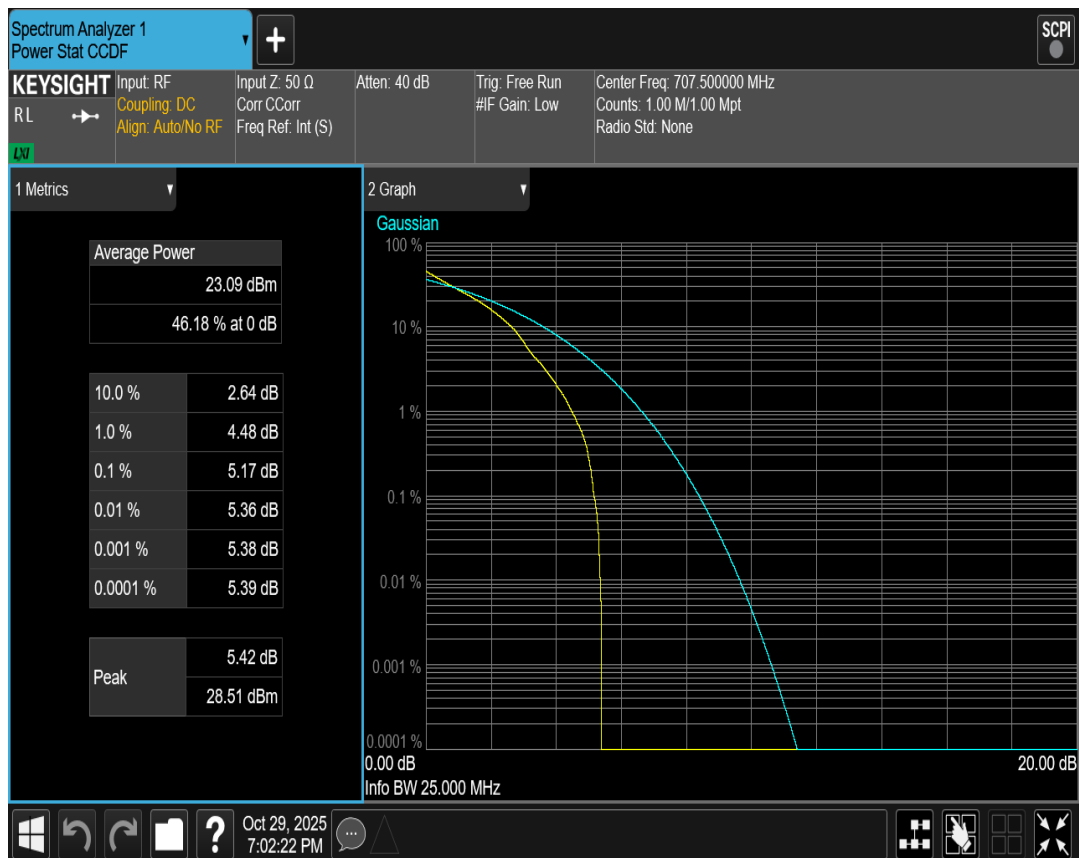
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high<br>Limit<br>(dB) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|-----------------------|---------|
| Band12 | 1.4                | 23095         | 1          | #0             | QPSK       | 5.17           | 13                    | PASS    |
| Band12 | 1.4                | 23095         | 1          | #0             | QAM16      | 5.39           | 13                    | PASS    |
| Band12 | 3                  | 23095         | 1          | #0             | QPSK       | 5.22           | 13                    | PASS    |
| Band12 | 3                  | 23095         | 1          | #0             | QAM16      | 6.08           | 13                    | PASS    |
| Band12 | 5                  | 23095         | 1          | #0             | QPSK       | 5.27           | 13                    | PASS    |
| Band12 | 5                  | 23095         | 1          | #0             | QAM16      | 6.00           | 13                    | PASS    |
| Band12 | 10                 | 23095         | 1          | #0             | QPSK       | 4.88           | 13                    | PASS    |
| Band12 | 10                 | 23095         | 1          | #0             | QAM16      | 5.70           | 13                    | PASS    |

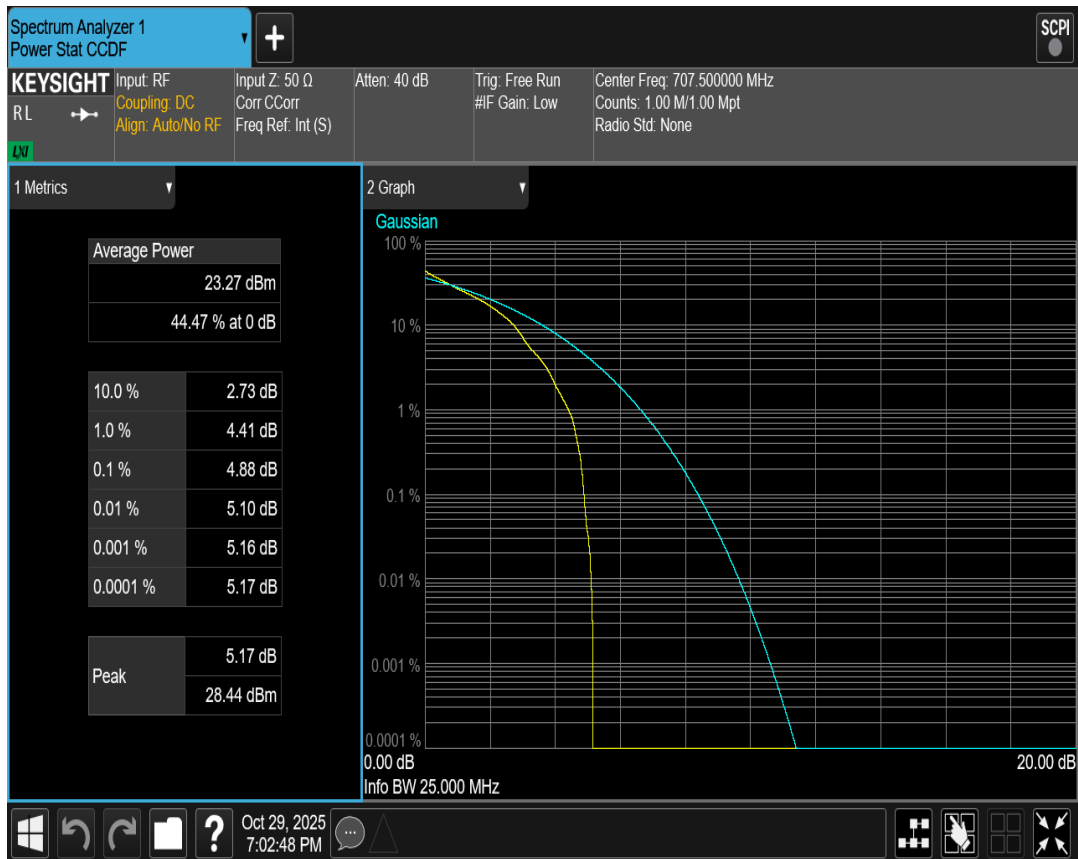
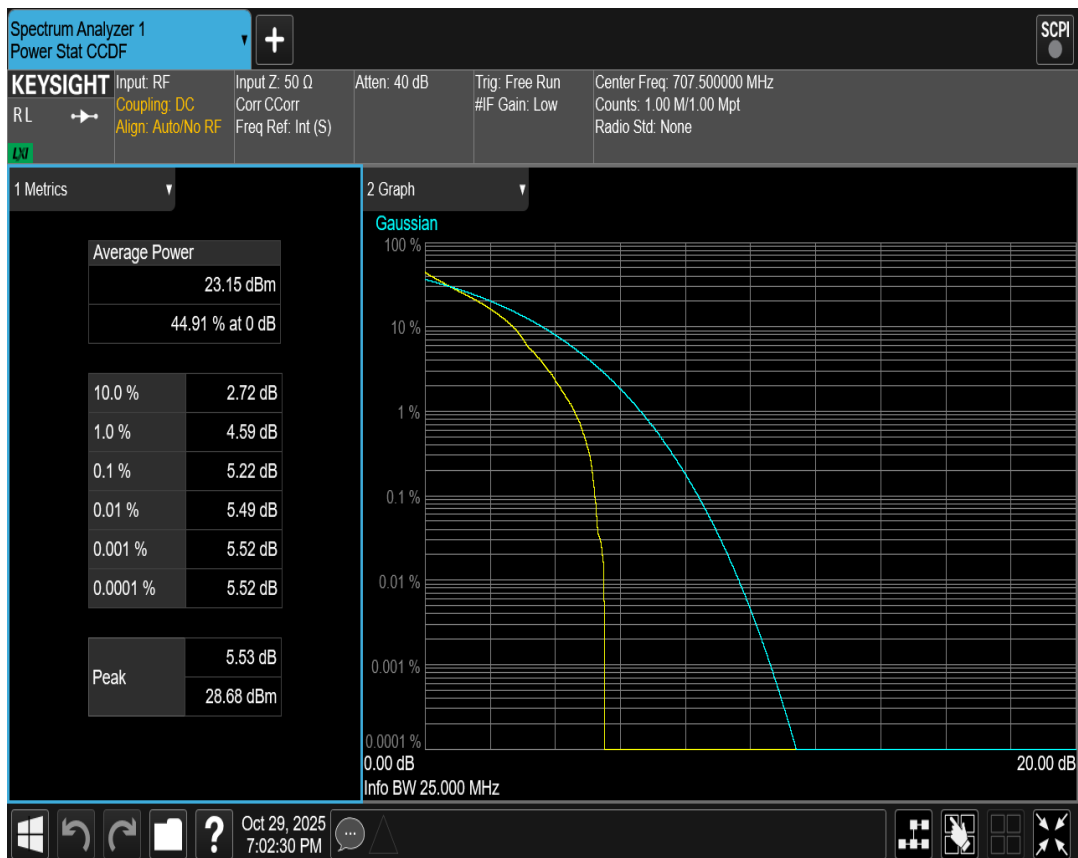
**Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0**

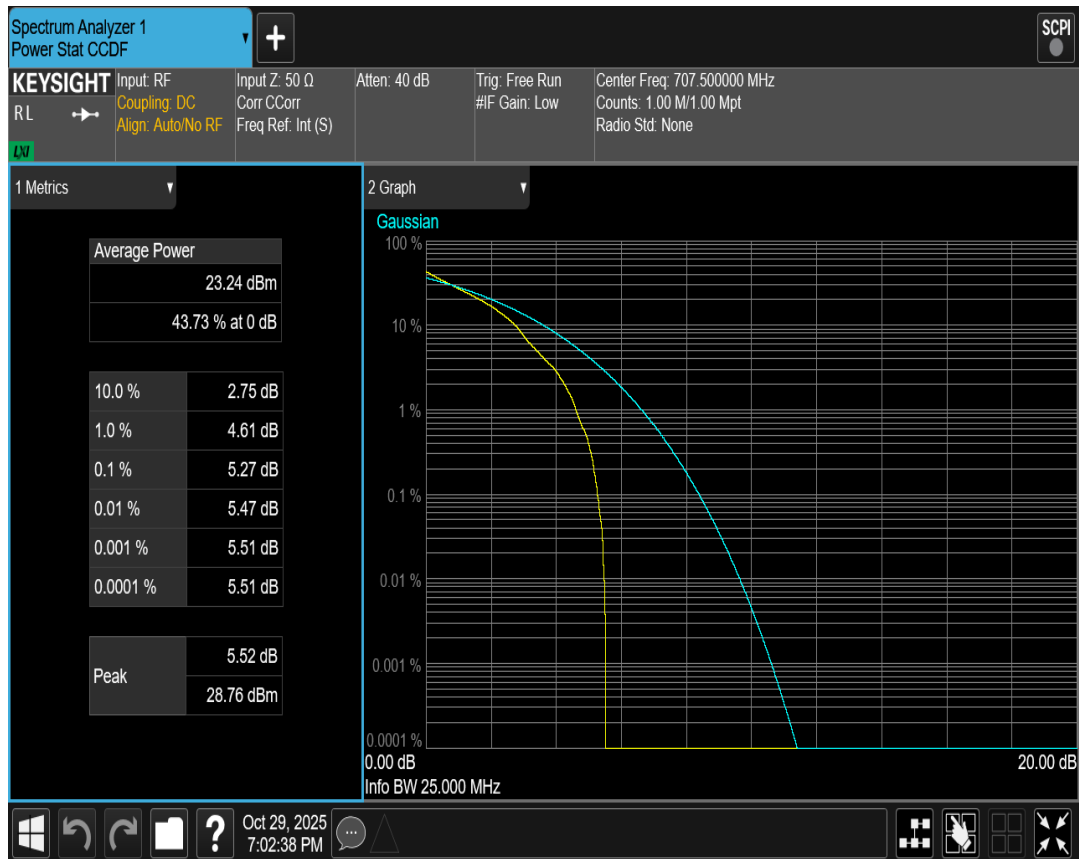


**Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0**

**Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0****Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0**

**Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0****Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0**

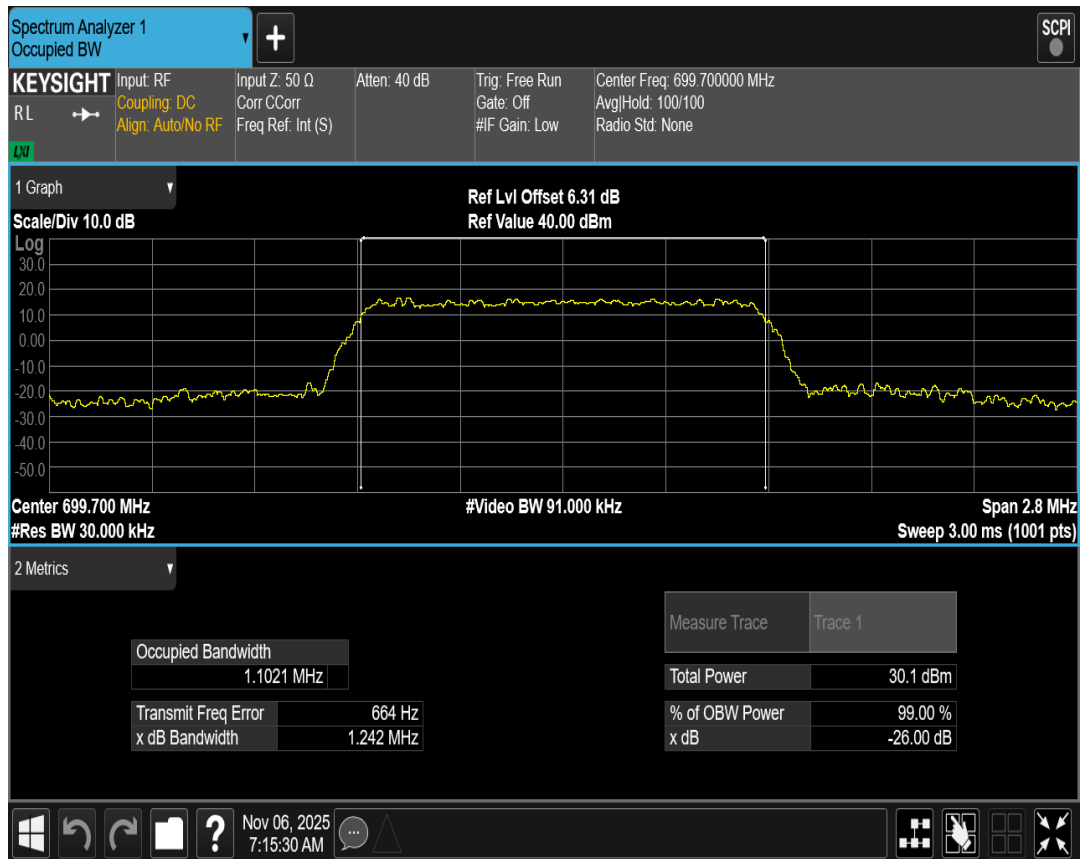
**Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0****Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0**



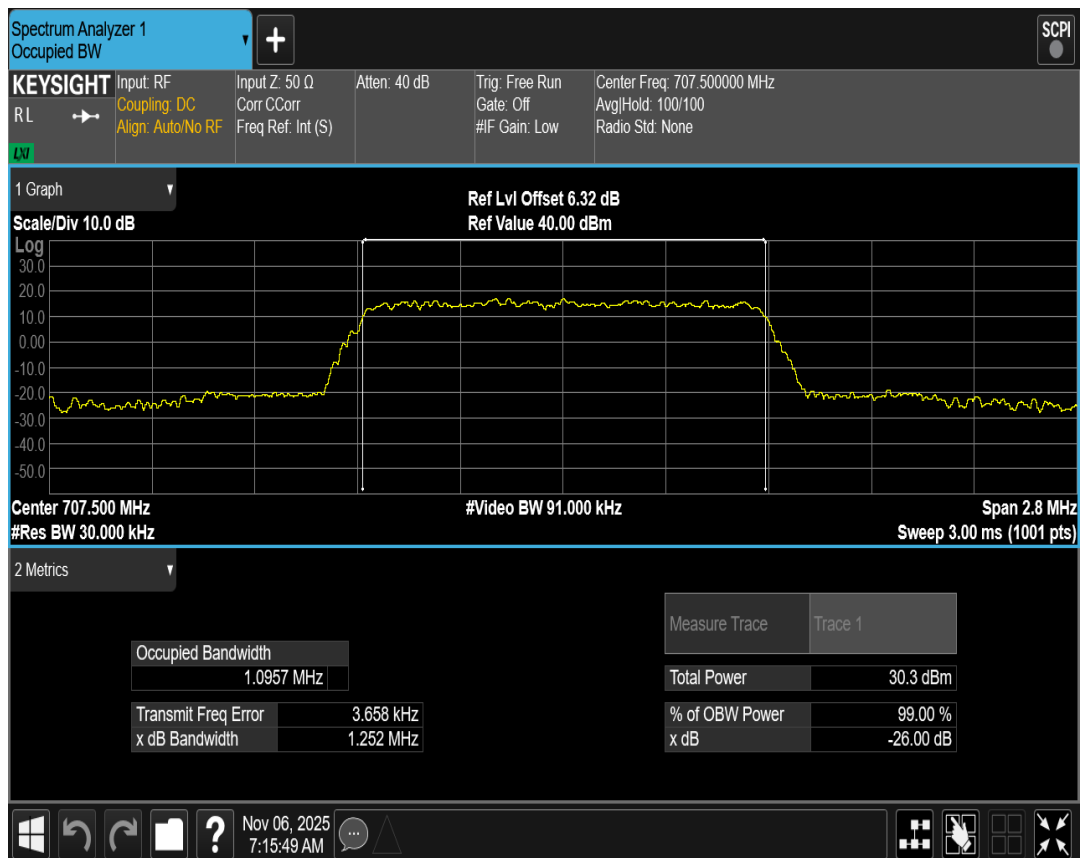
## 4 Occupied bandwidth

| <b>Band</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Size</b> | <b>RB<br/>Position</b> | <b>Modulation</b> | <b>99%<br/>OBW<br/>(MHz)</b> | <b>-26dB<br/>EBW<br/>(MHz)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|------------------------------|--------------------------------|----------------|
| Band12      | 1.4                        | 23017                 | 6                  | #0                     | QPSK              | 1.095                        | 1.243                          | PASS           |
| Band12      | 1.4                        | 23017                 | 6                  | #0                     | QAM16             | 1.102                        | 1.242                          | PASS           |
| Band12      | 1.4                        | 23095                 | 6                  | #0                     | QPSK              | 1.093                        | 1.245                          | PASS           |
| Band12      | 1.4                        | 23095                 | 6                  | #0                     | QAM16             | 1.096                        | 1.252                          | PASS           |
| Band12      | 1.4                        | 23173                 | 6                  | #0                     | QPSK              | 1.099                        | 1.249                          | PASS           |
| Band12      | 1.4                        | 23173                 | 6                  | #0                     | QAM16             | 1.102                        | 1.241                          | PASS           |
| Band12      | 3                          | 23025                 | 15                 | #0                     | QPSK              | 2.703                        | 3.029                          | PASS           |
| Band12      | 3                          | 23025                 | 15                 | #0                     | QAM16             | 2.721                        | 3.054                          | PASS           |
| Band12      | 3                          | 23095                 | 15                 | #0                     | QPSK              | 2.700                        | 3.027                          | PASS           |
| Band12      | 3                          | 23095                 | 15                 | #0                     | QAM16             | 2.697                        | 3.035                          | PASS           |
| Band12      | 3                          | 23165                 | 15                 | #0                     | QPSK              | 2.709                        | 3.024                          | PASS           |
| Band12      | 3                          | 23165                 | 15                 | #0                     | QAM16             | 2.703                        | 3.025                          | PASS           |
| Band12      | 5                          | 23035                 | 25                 | #0                     | QPSK              | 4.507                        | 4.946                          | PASS           |
| Band12      | 5                          | 23035                 | 25                 | #0                     | QAM16             | 4.501                        | 4.944                          | PASS           |
| Band12      | 5                          | 23095                 | 25                 | #0                     | QPSK              | 4.506                        | 4.894                          | PASS           |
| Band12      | 5                          | 23095                 | 25                 | #0                     | QAM16             | 4.494                        | 5.007                          | PASS           |
| Band12      | 5                          | 23155                 | 25                 | #0                     | QPSK              | 4.491                        | 4.908                          | PASS           |
| Band12      | 5                          | 23155                 | 25                 | #0                     | QAM16             | 4.503                        | 4.887                          | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QPSK              | 8.999                        | 9.948                          | PASS           |
| Band12      | 10                         | 23060                 | 50                 | #0                     | QAM16             | 8.986                        | 9.901                          | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QPSK              | 9.002                        | 9.778                          | PASS           |
| Band12      | 10                         | 23095                 | 50                 | #0                     | QAM16             | 8.994                        | 9.844                          | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QPSK              | 8.978                        | 9.760                          | PASS           |
| Band12      | 10                         | 23130                 | 50                 | #0                     | QAM16             | 8.983                        | 9.895                          | PASS           |

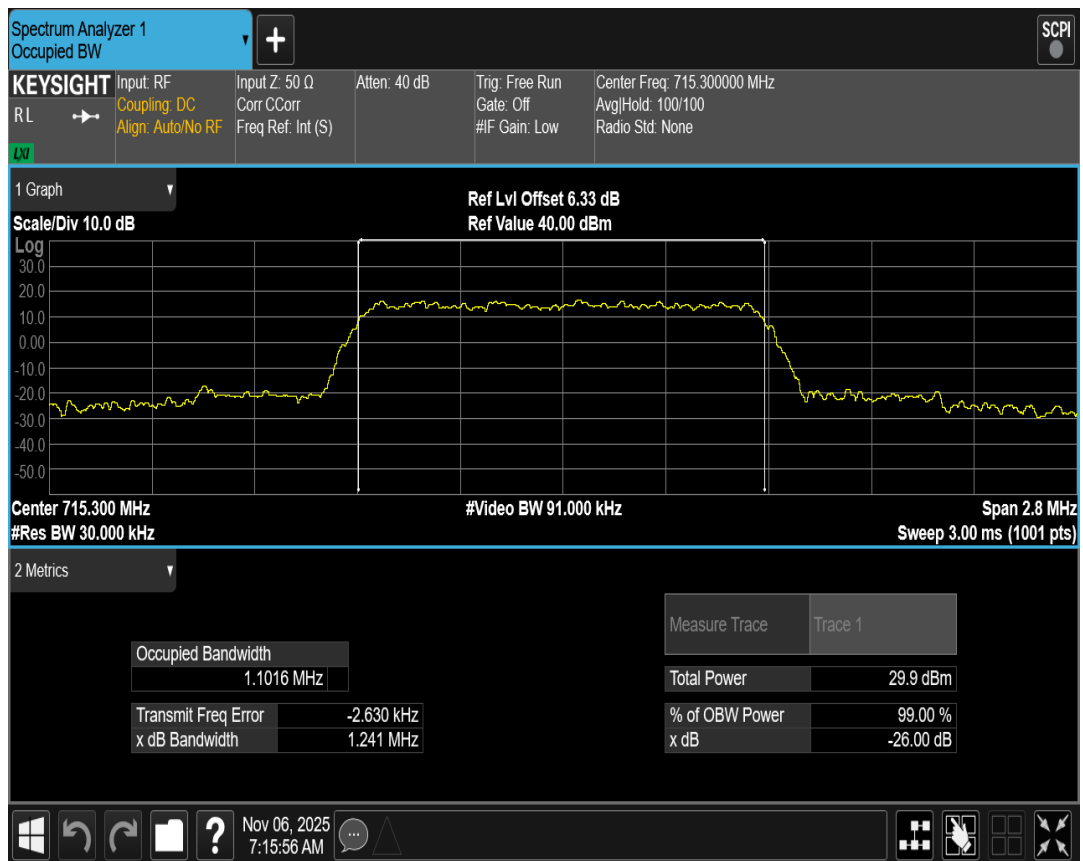
**Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0**



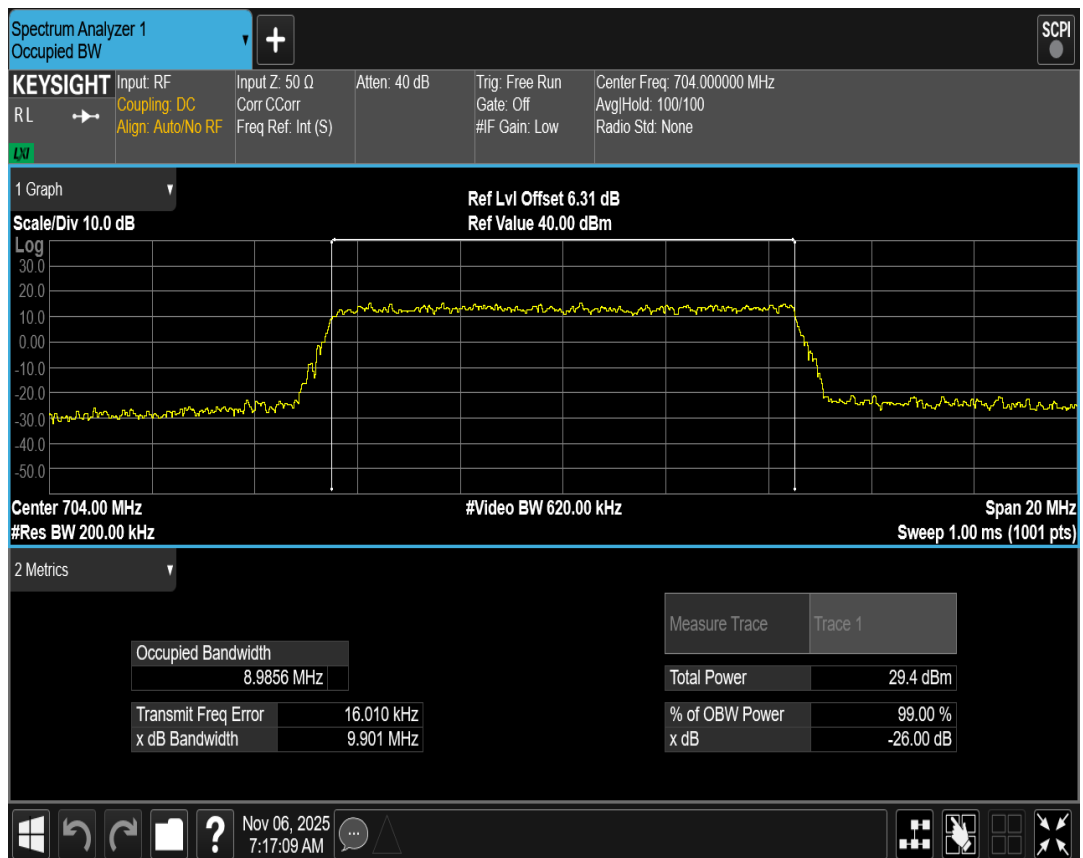
**Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0**



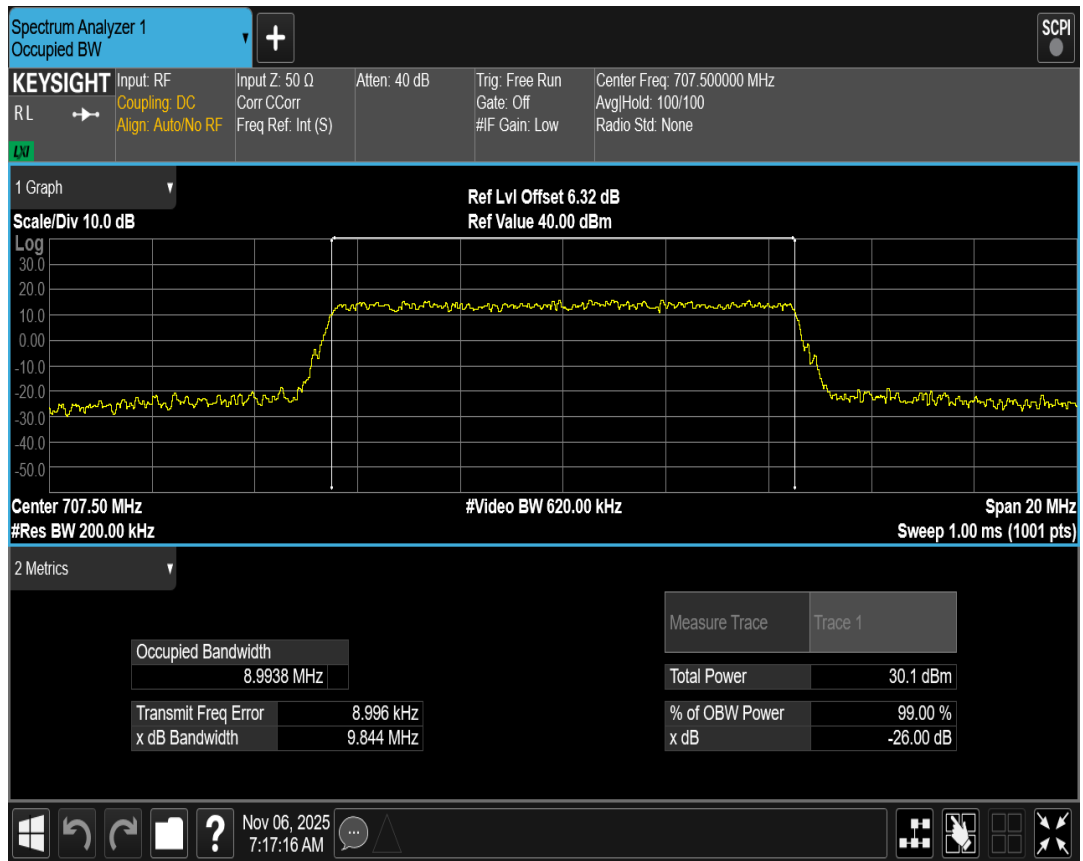
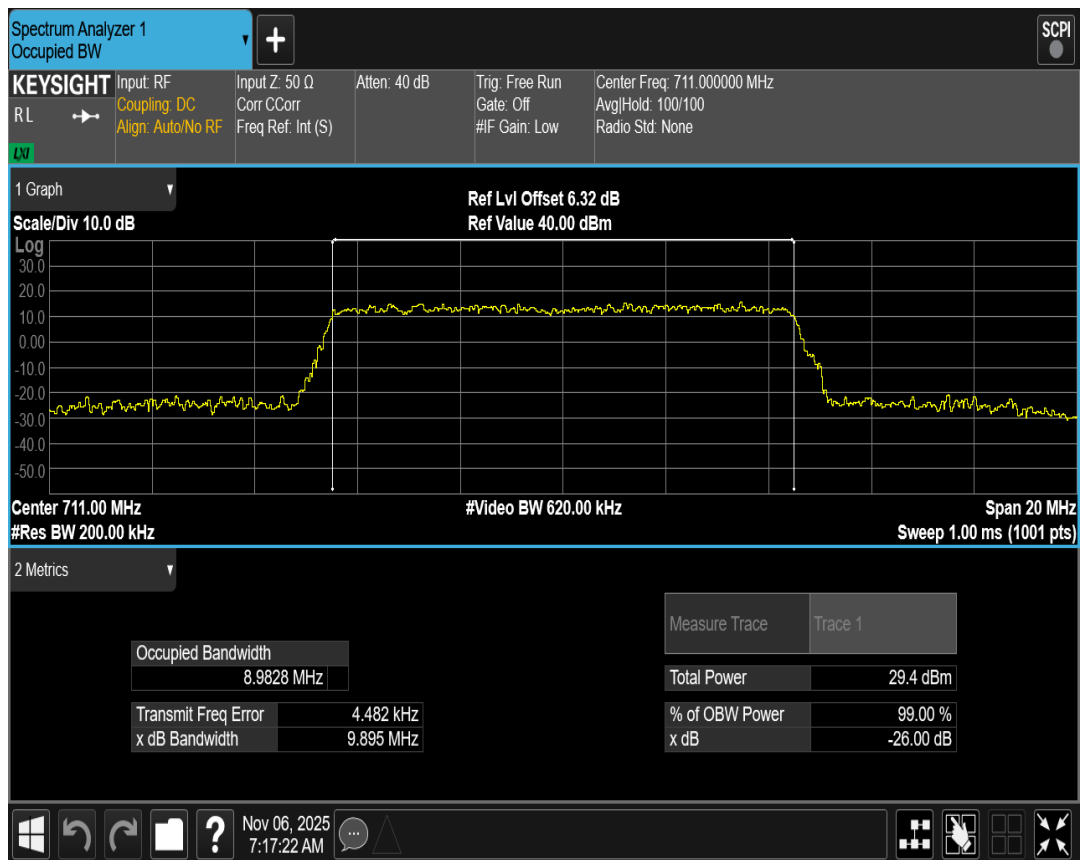
**Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

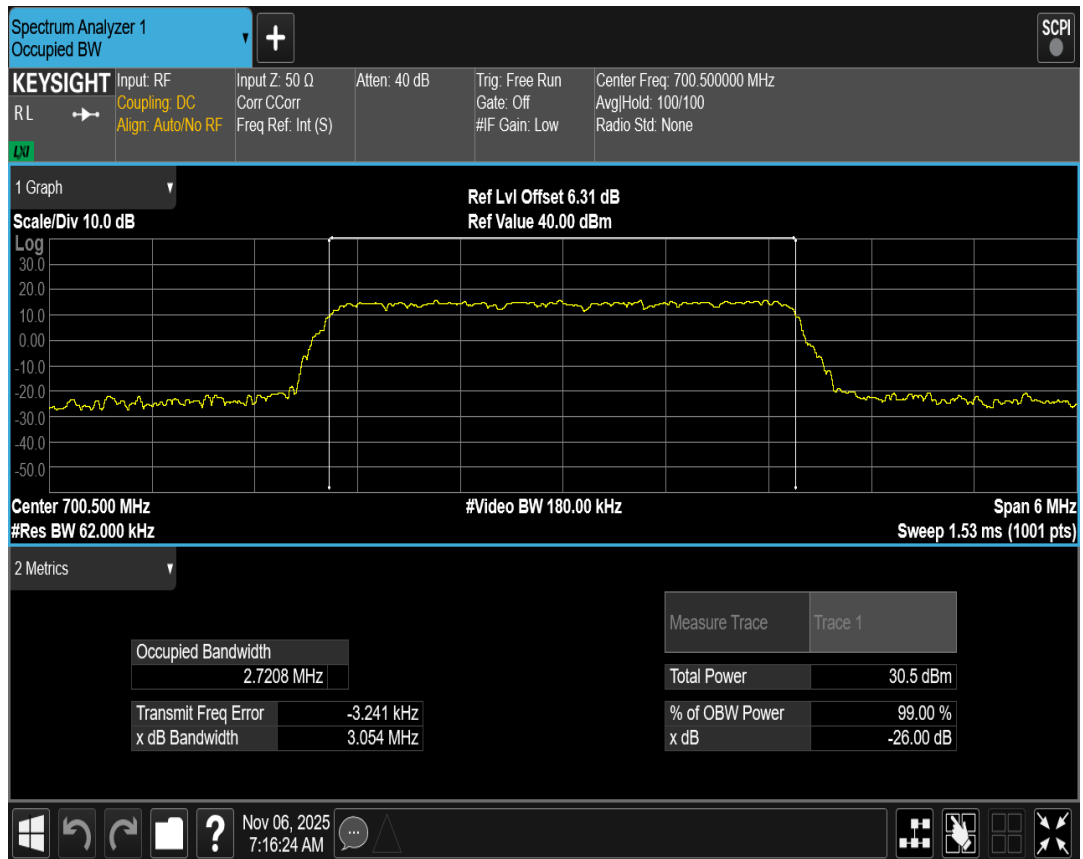
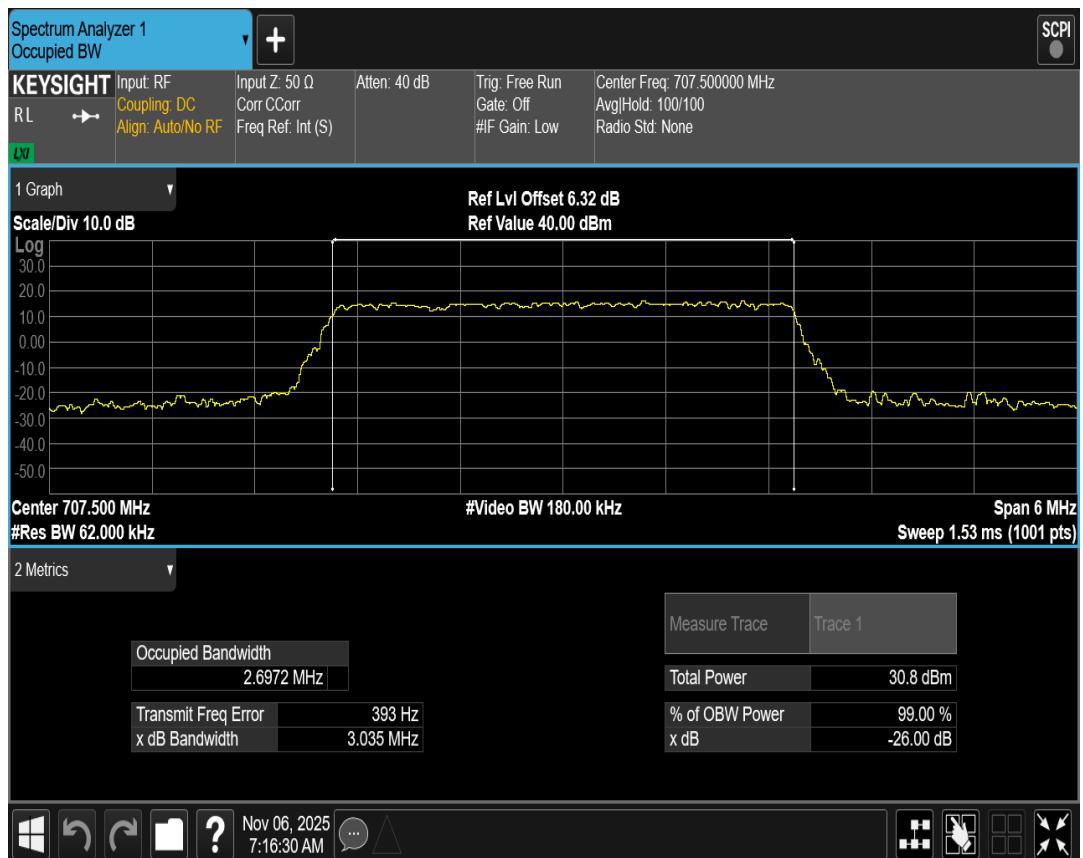


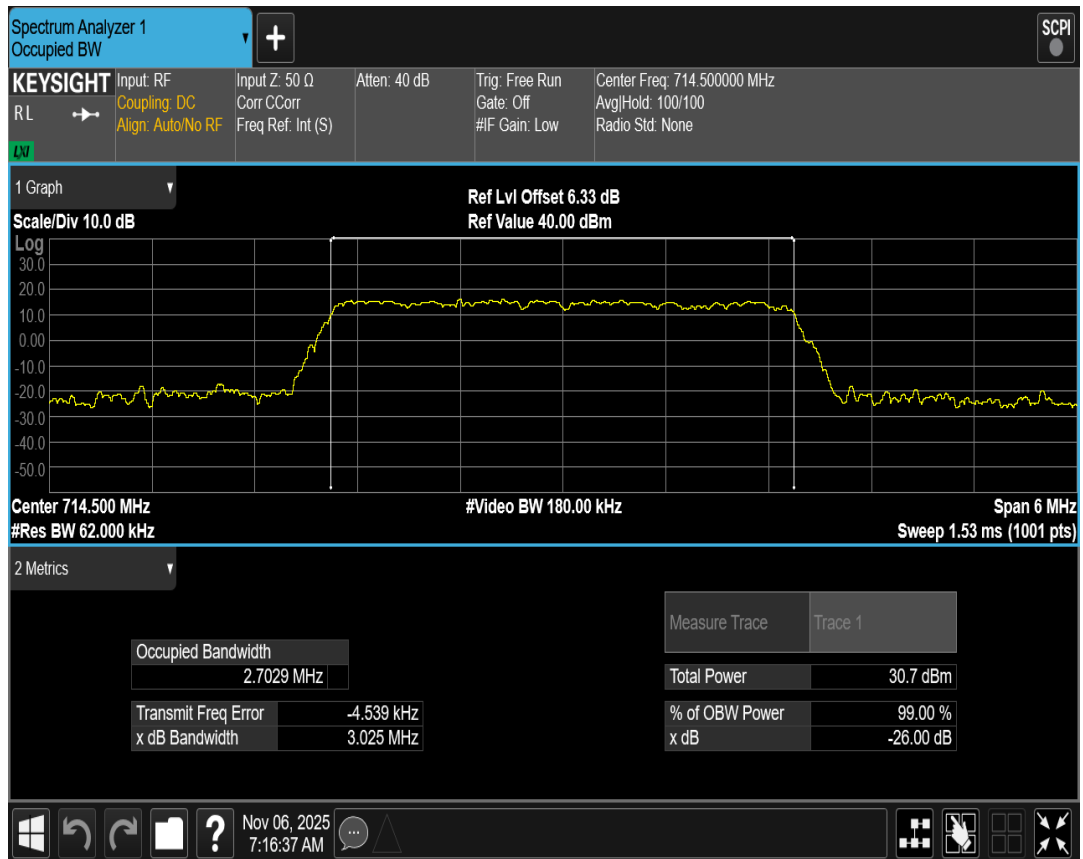
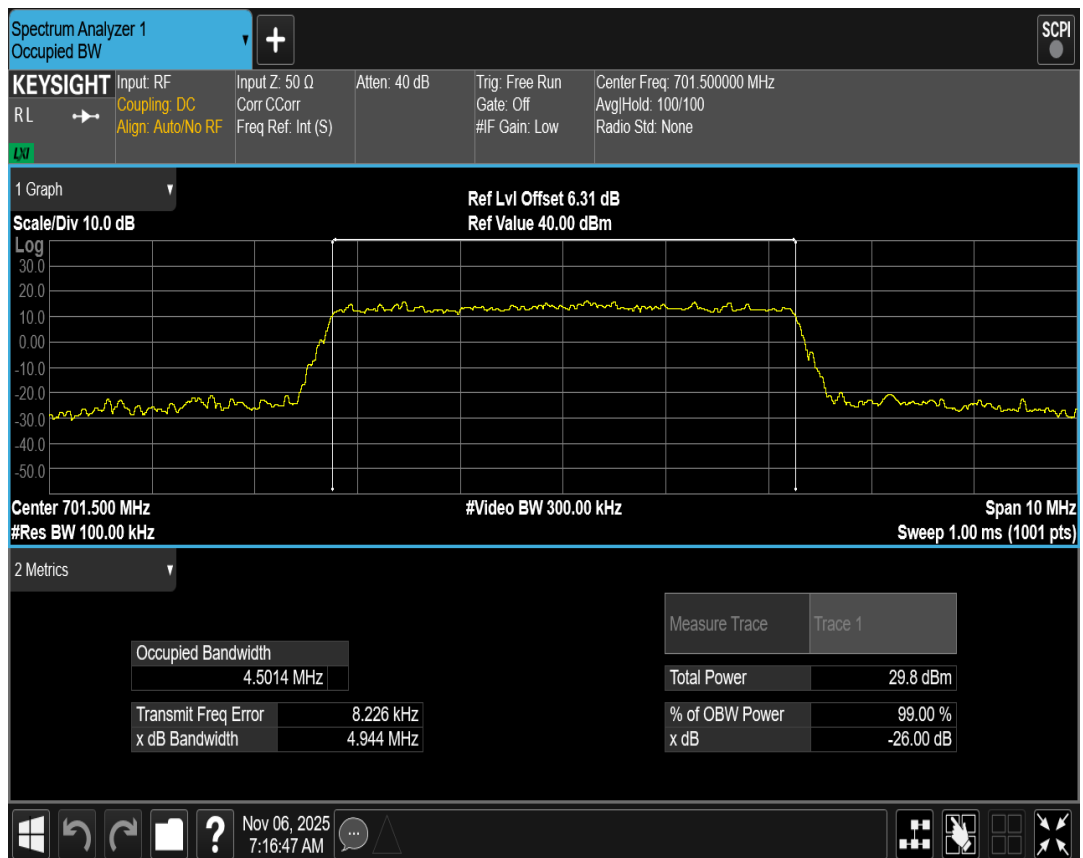
Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0

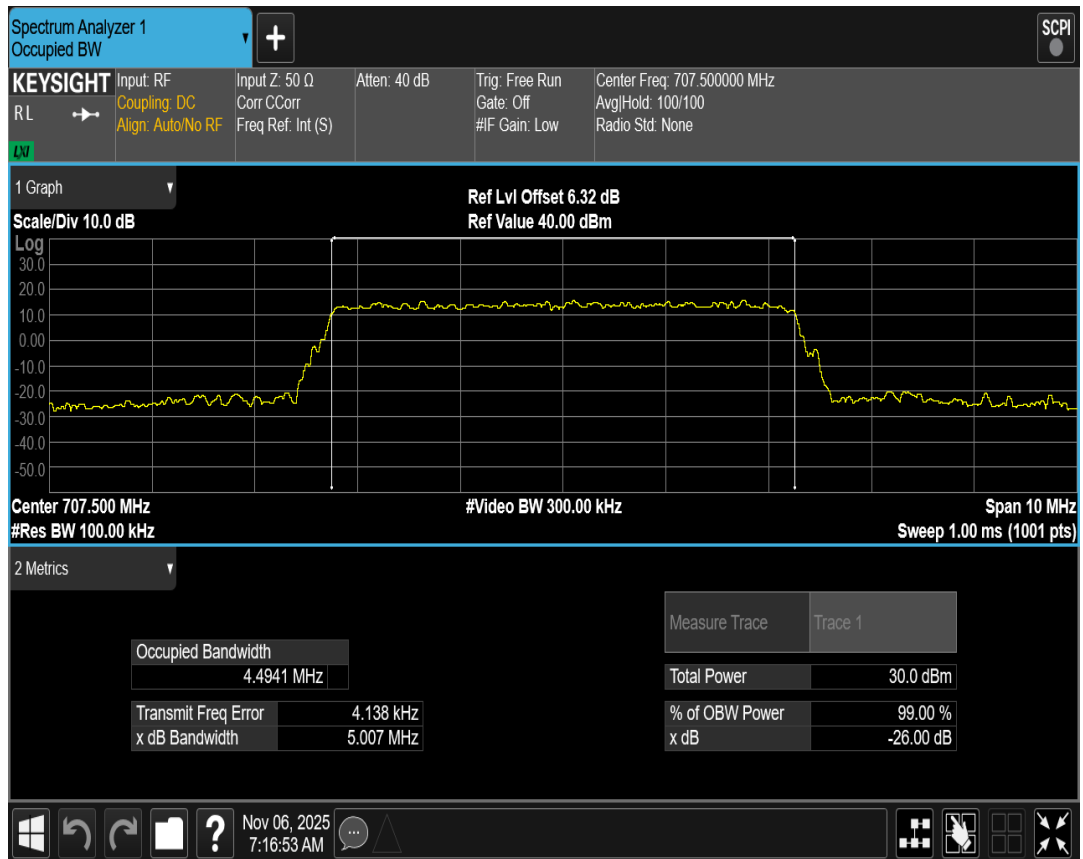
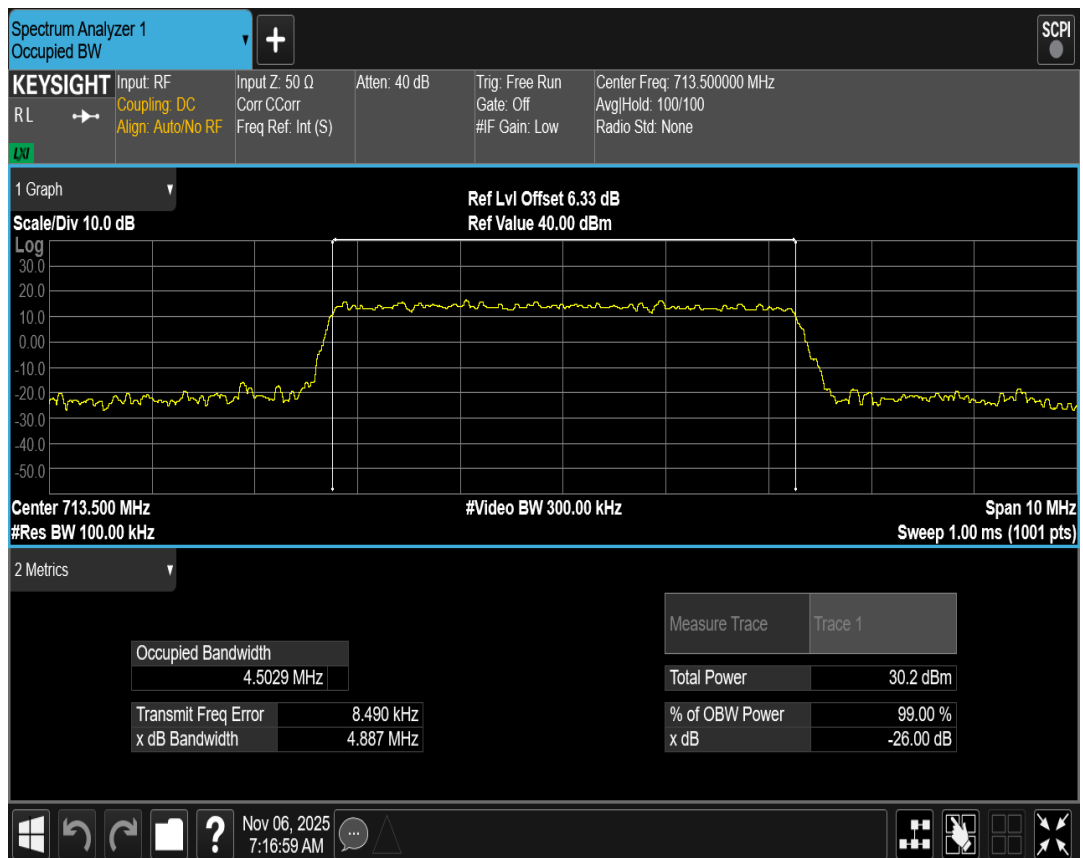


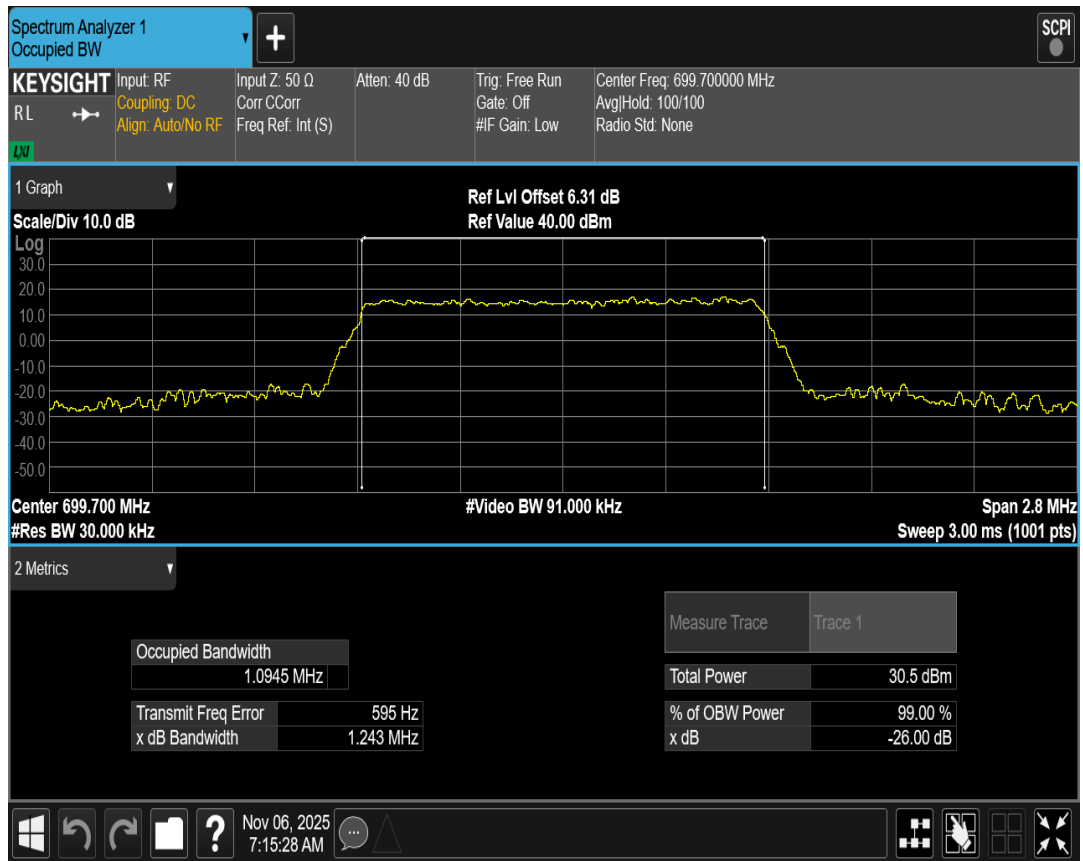
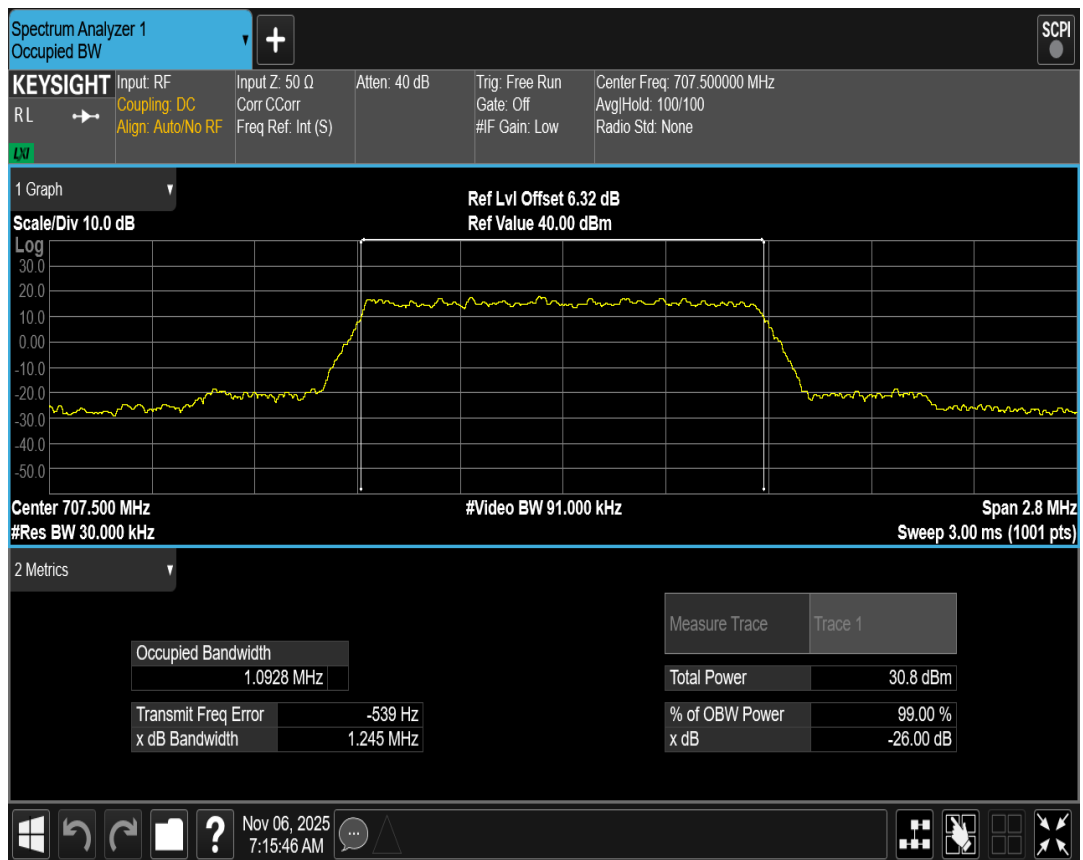
Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0

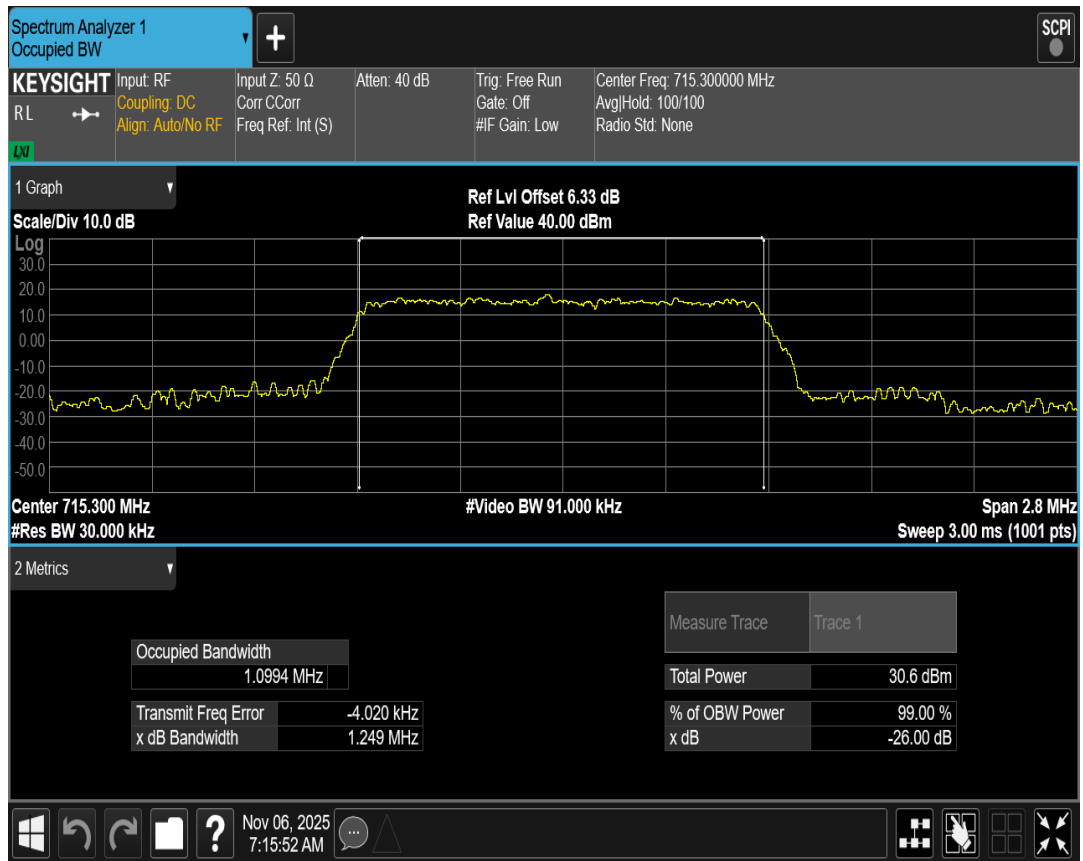
**Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0****Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0**

**Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0****Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0**

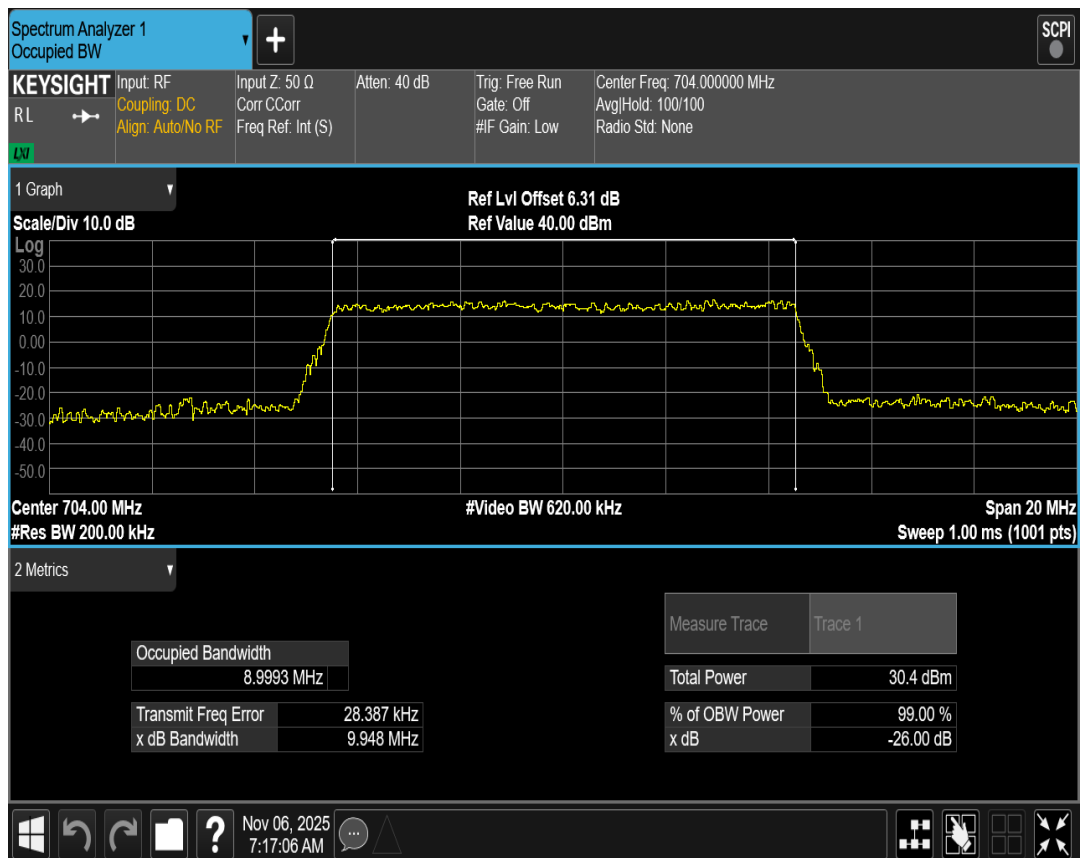
**Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0**

**Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0****Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0**

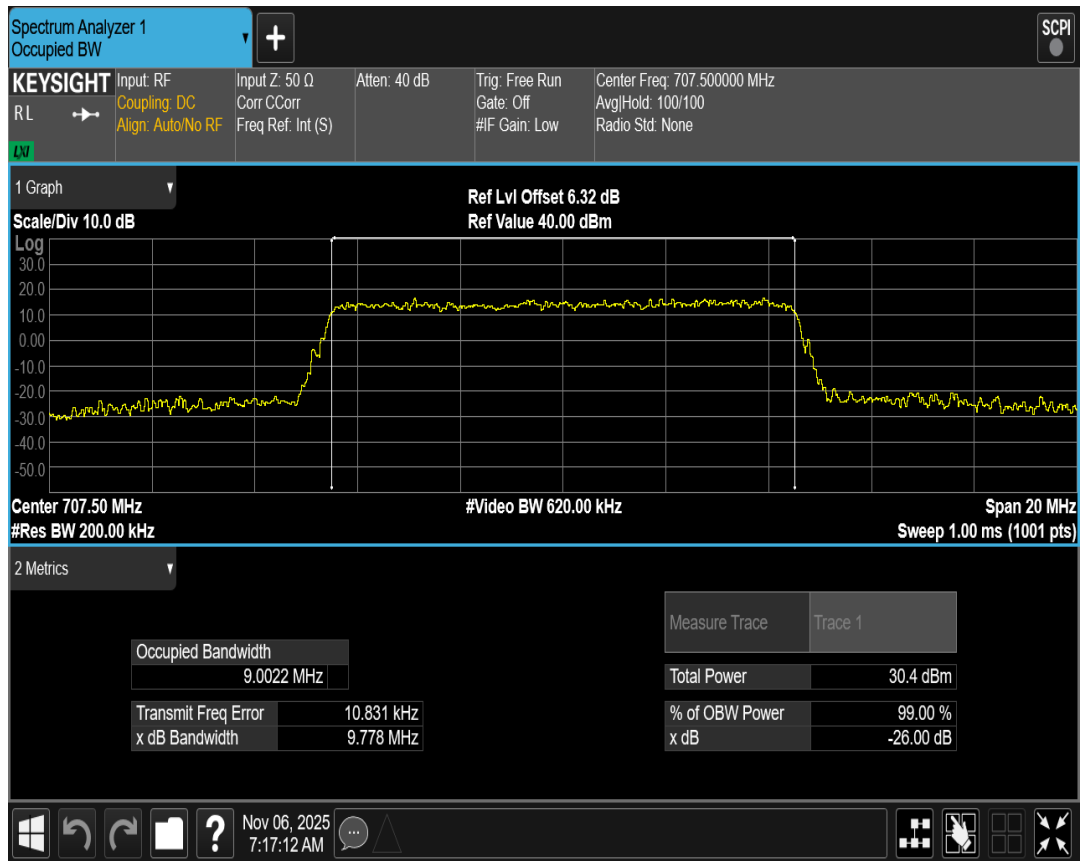
**Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0****Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**



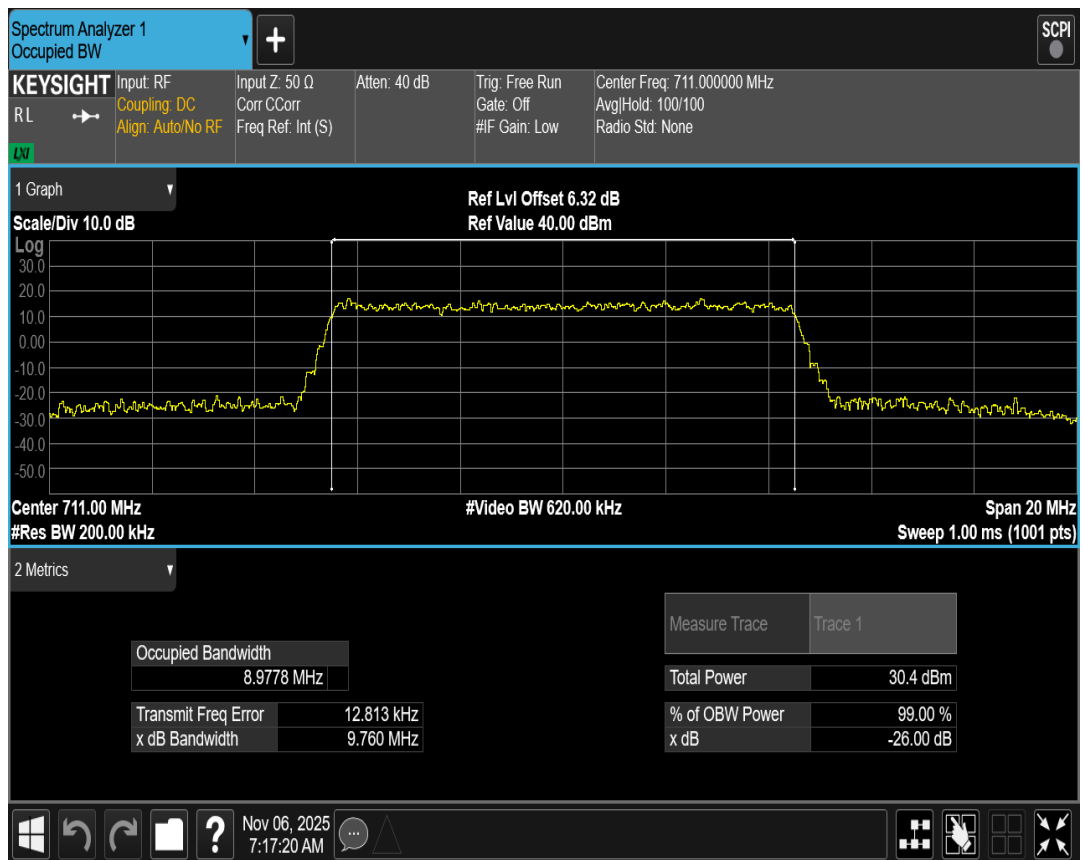
**Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0**



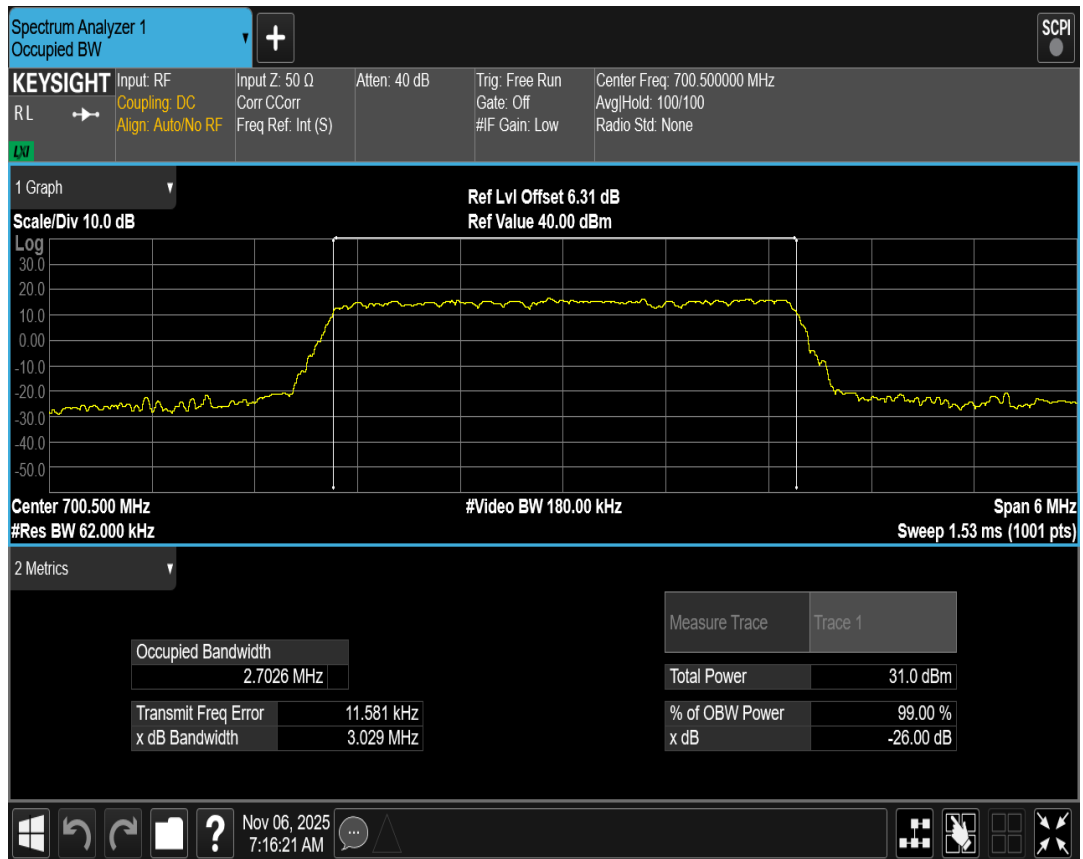
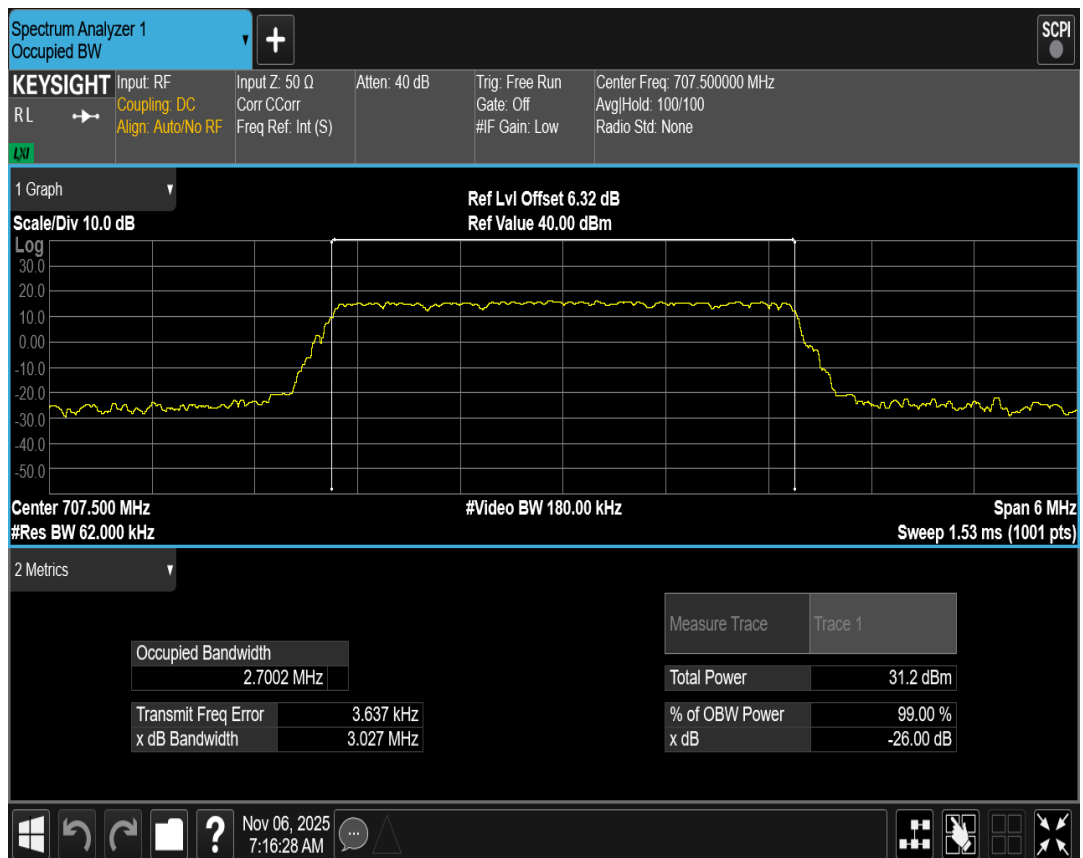
**Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0**

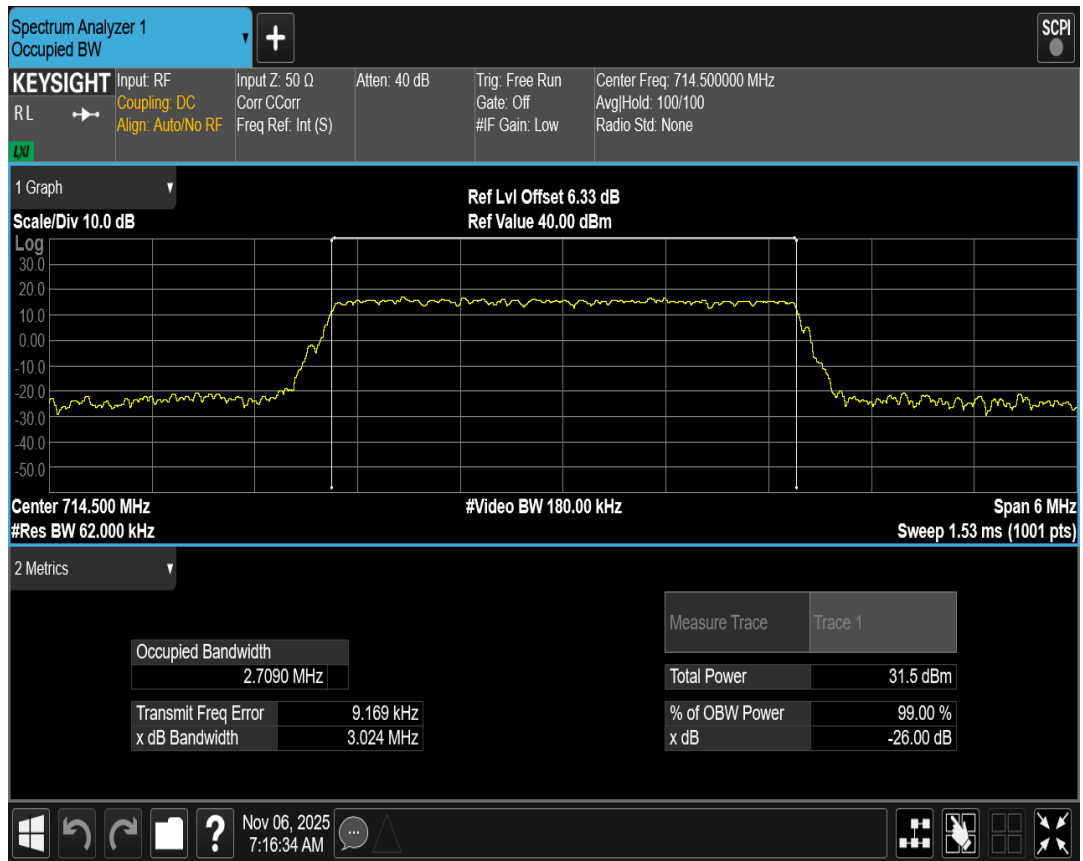
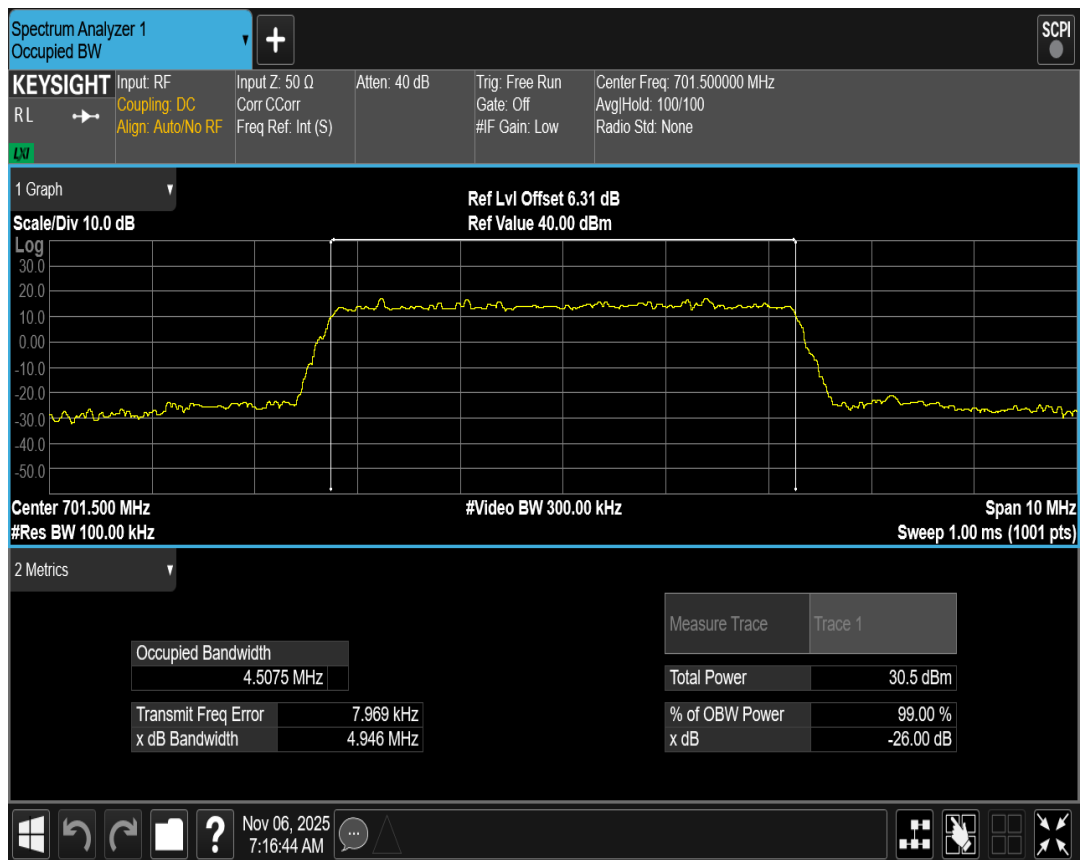


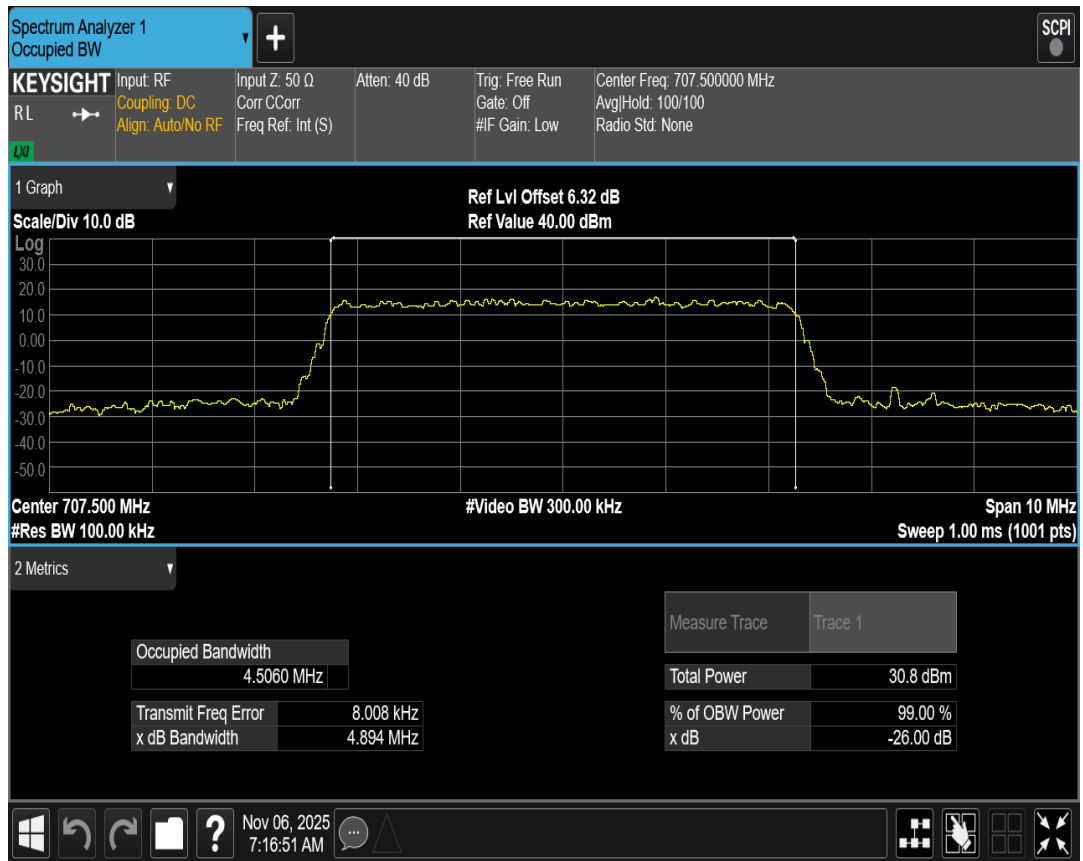
**Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0**



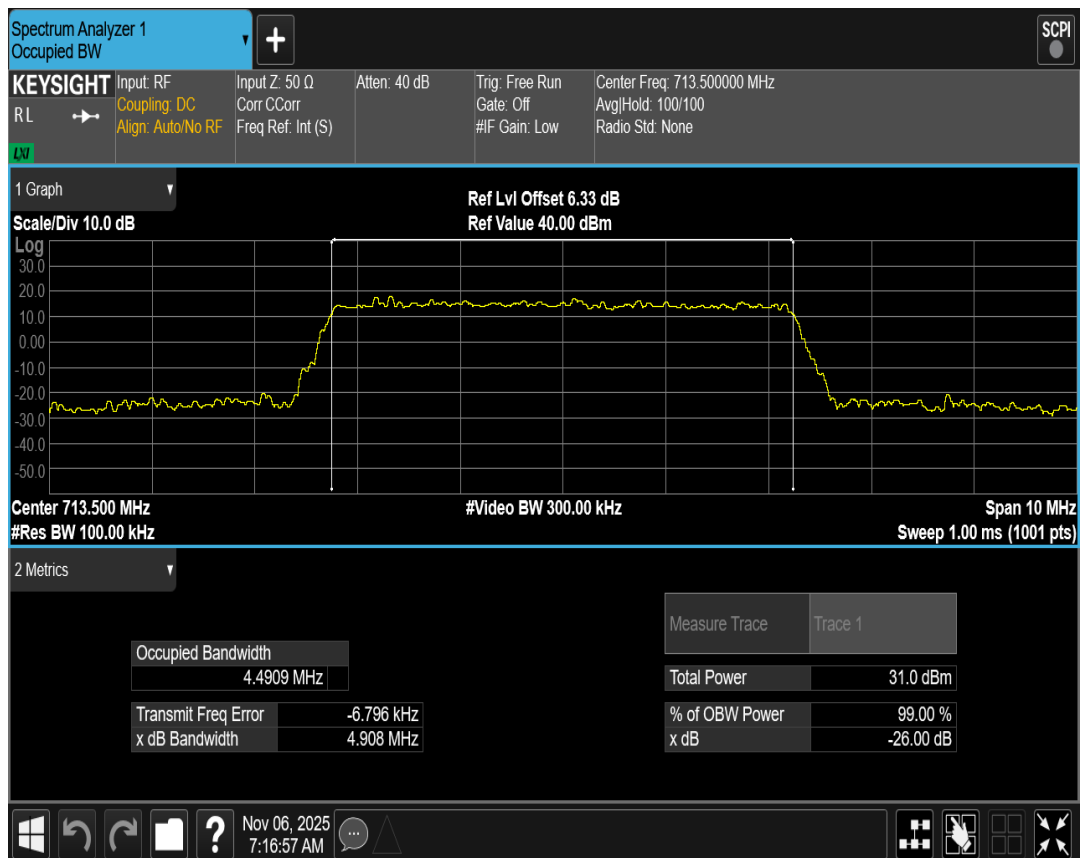
**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0**

**Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0****Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0**



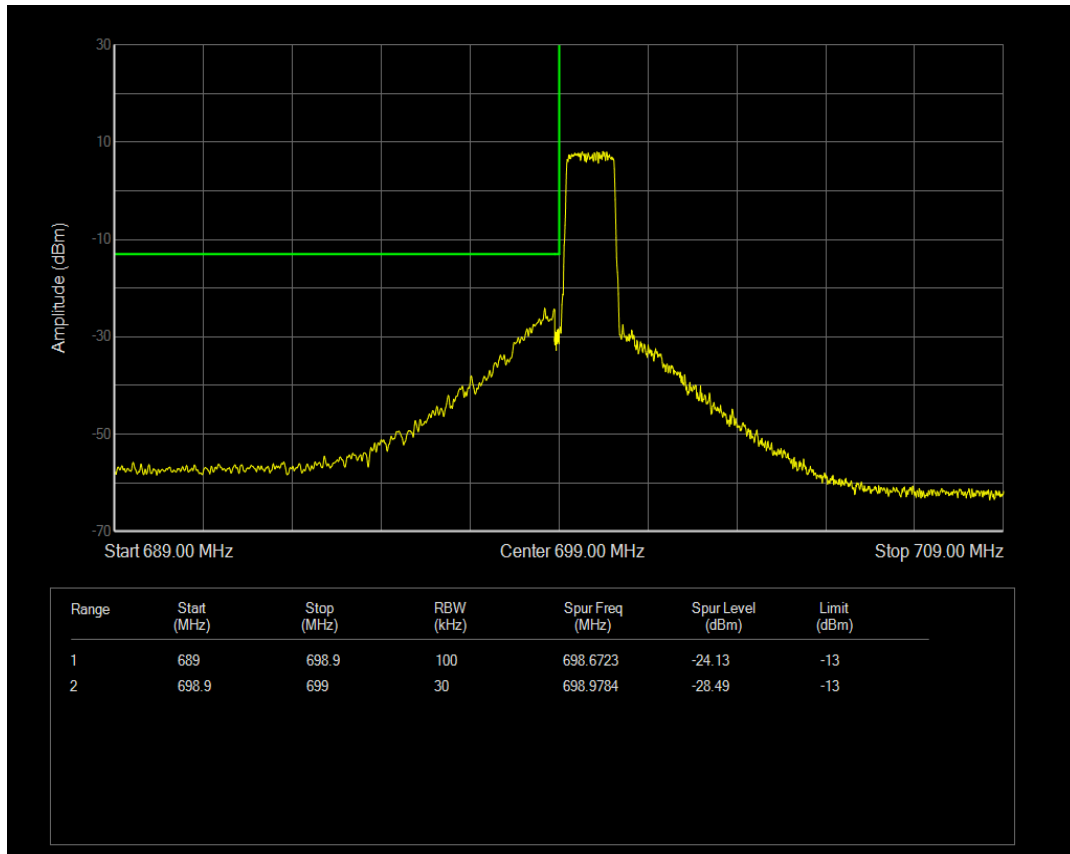
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



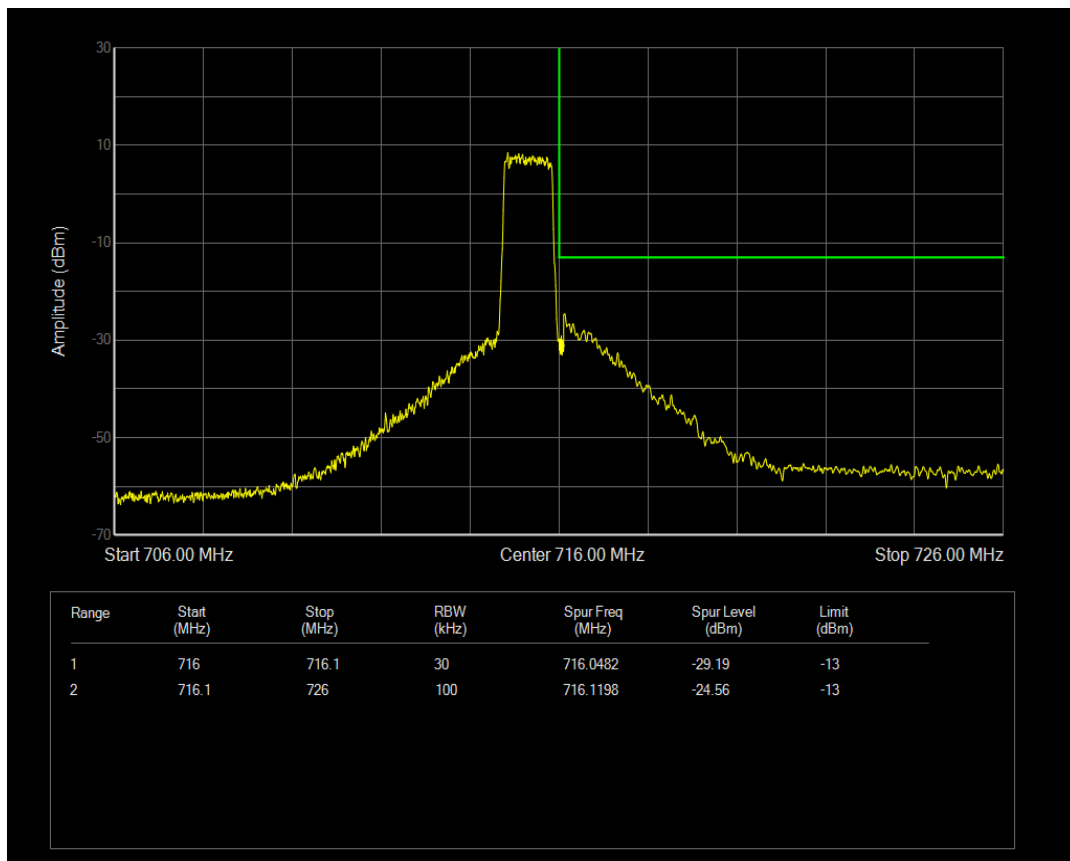
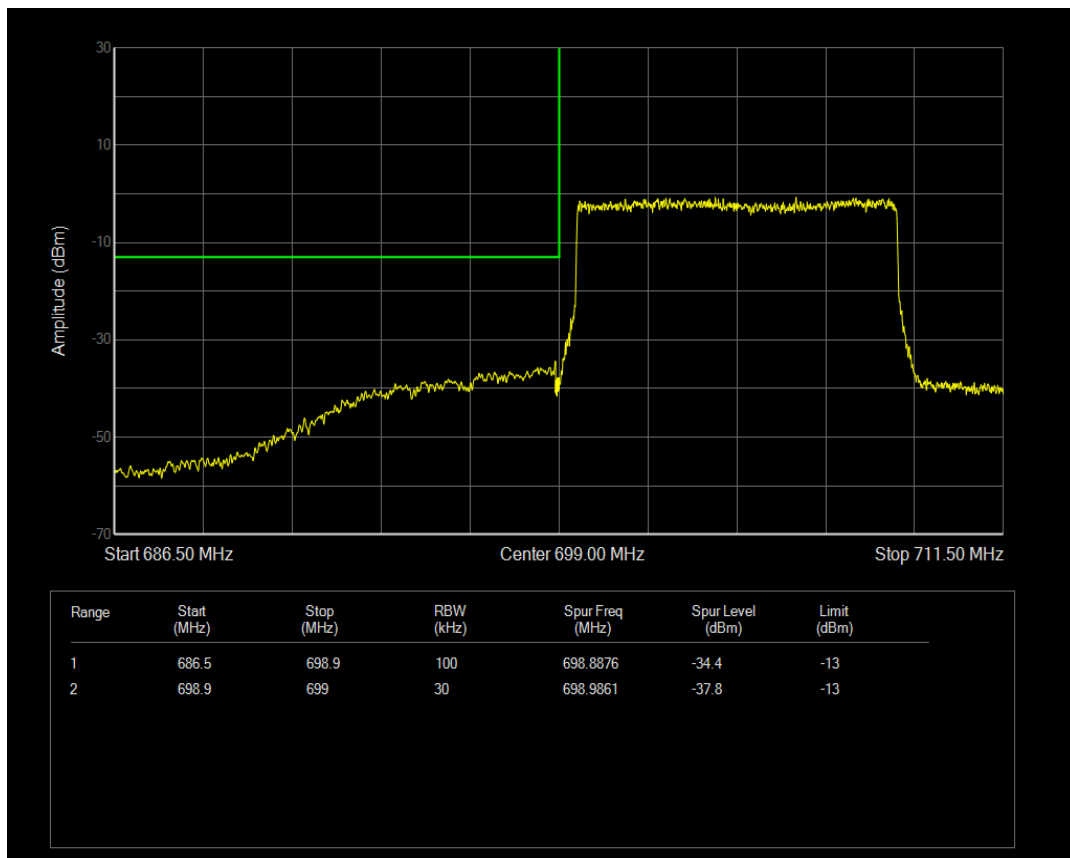
## 5 Band edge

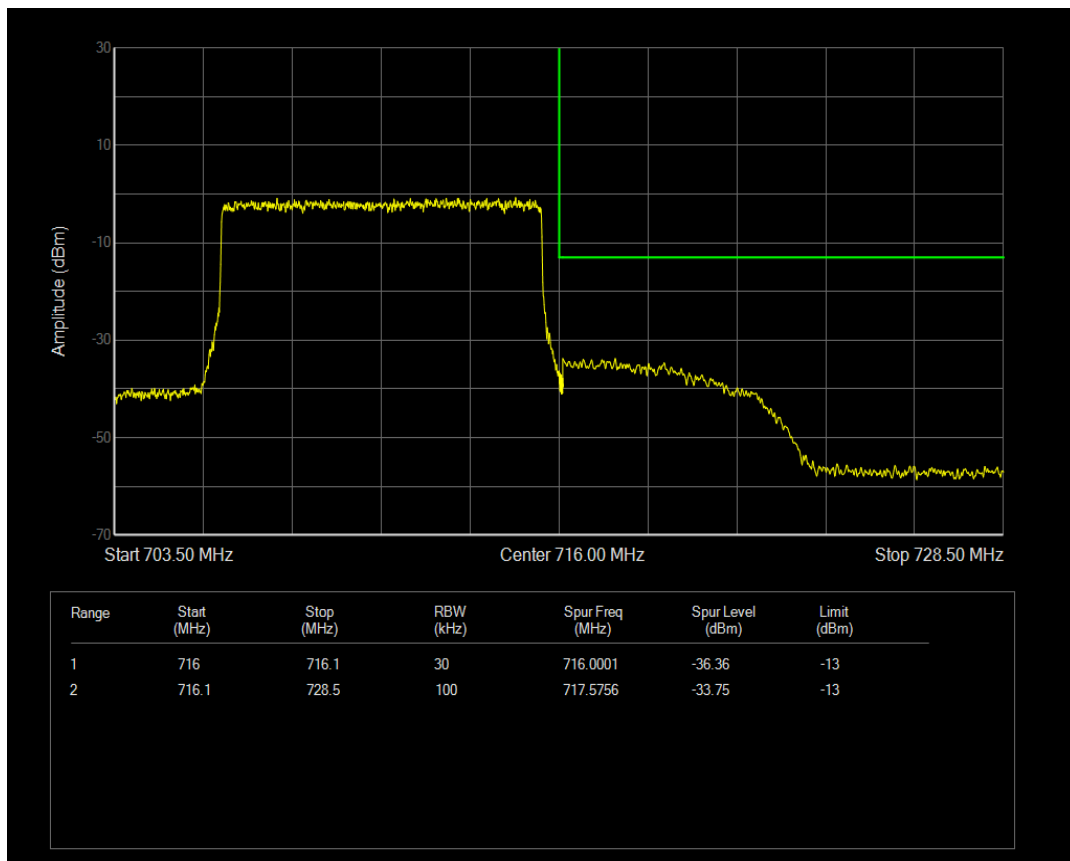
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 698.79          | -25.52           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | QAM16      | 698.67          | -24.13           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 716.30          | -25.82           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QAM16      | 716.12          | -24.56           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 699.00          | -24.43           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QAM16      | 699.00          | -23.49           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 716.01          | -24.66           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QAM16      | 716.00          | -23.40           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 699.00          | -31.25           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QAM16      | 698.88          | -31.28           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 716.87          | -31.29           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QAM16      | 716.47          | -29.87           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 698.90          | -34.81           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QAM16      | 698.89          | -34.40           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 716.14          | -33.84           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QAM16      | 717.58          | -33.75           | -13         | PASS    |

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

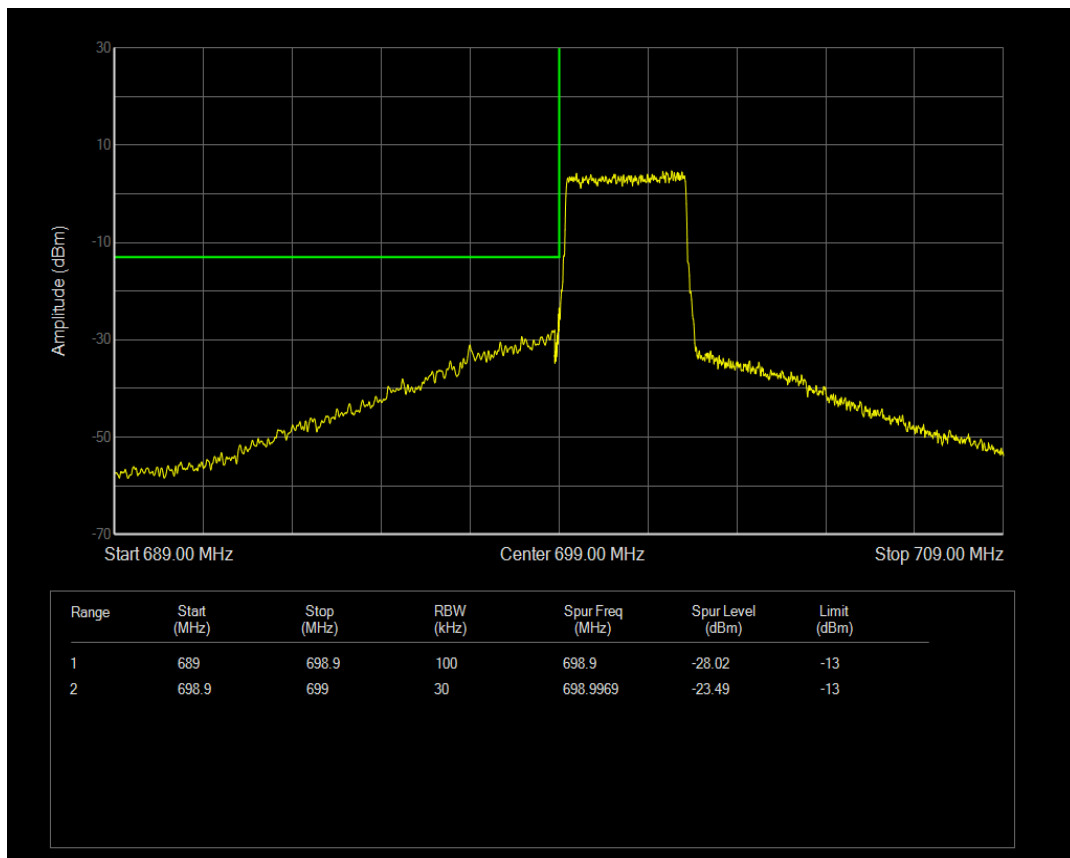


**Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

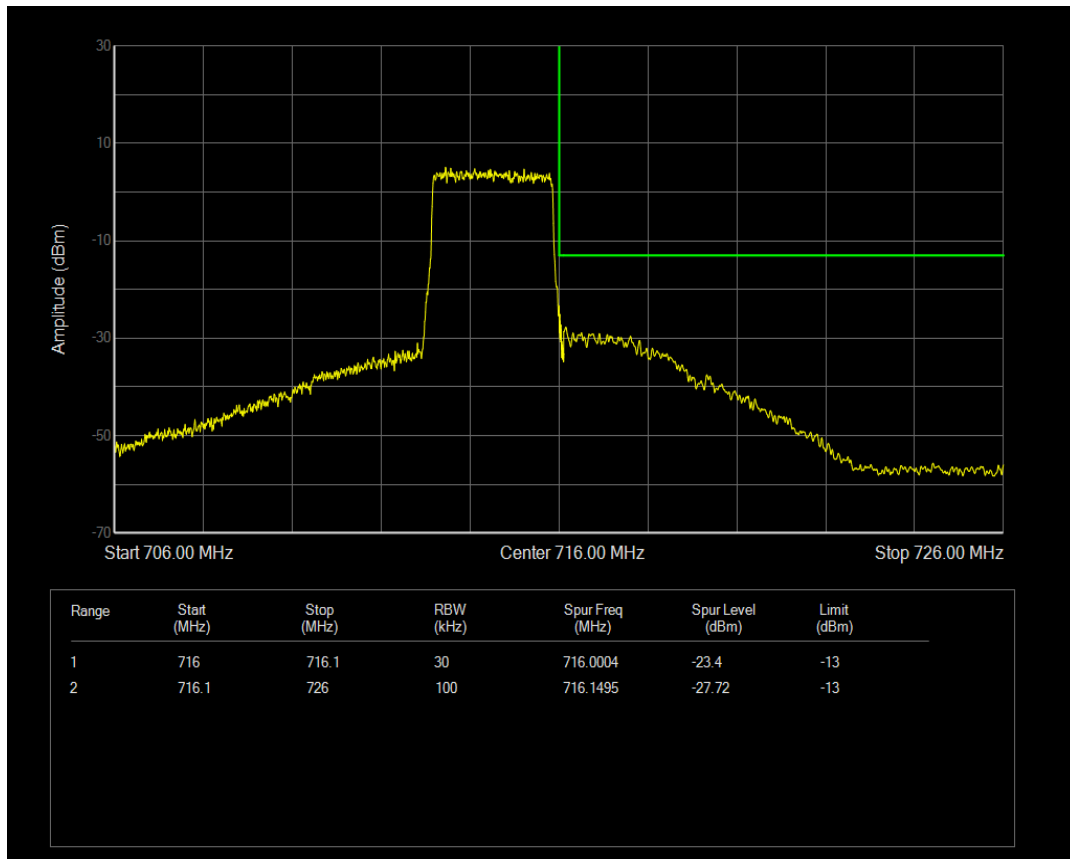
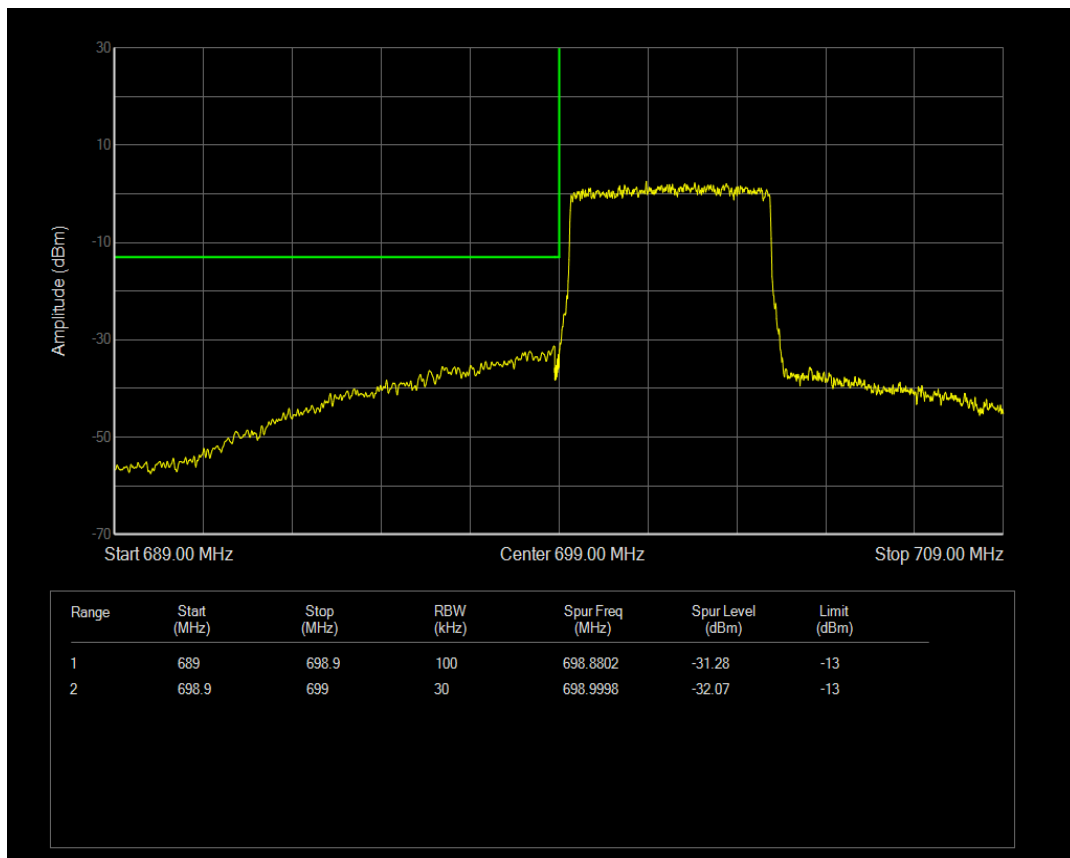
**Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0**

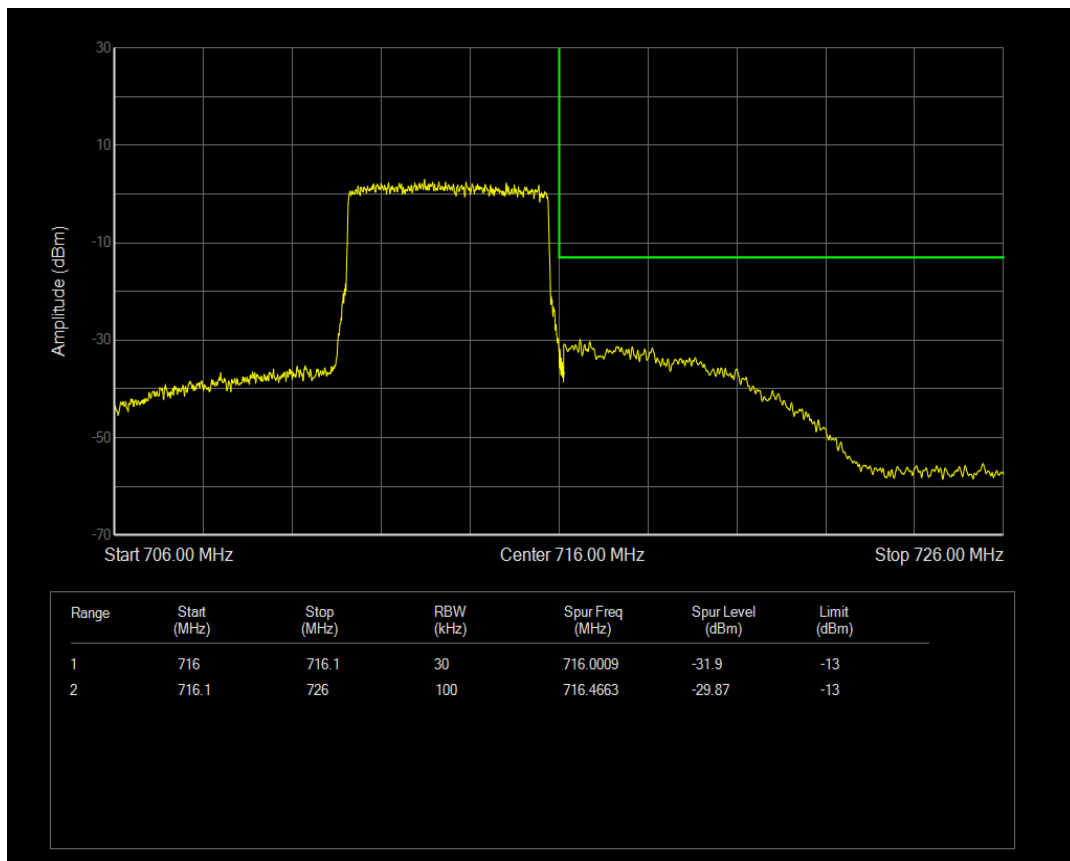
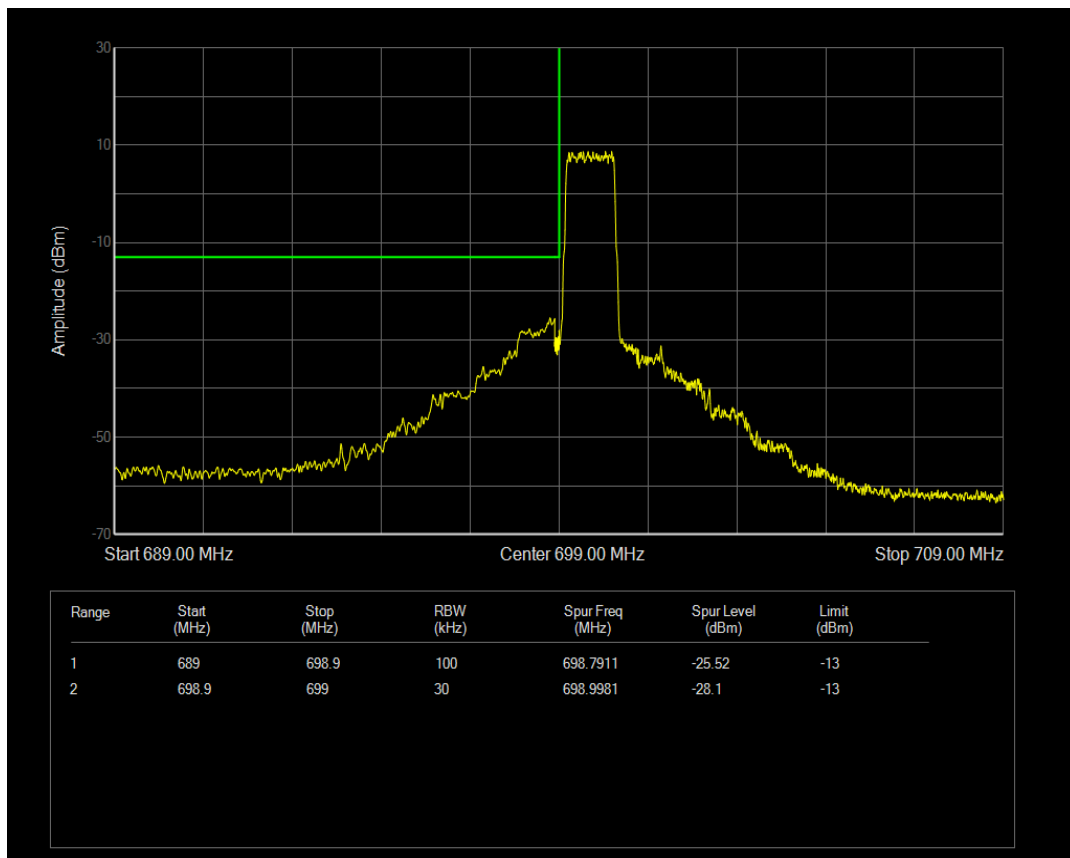


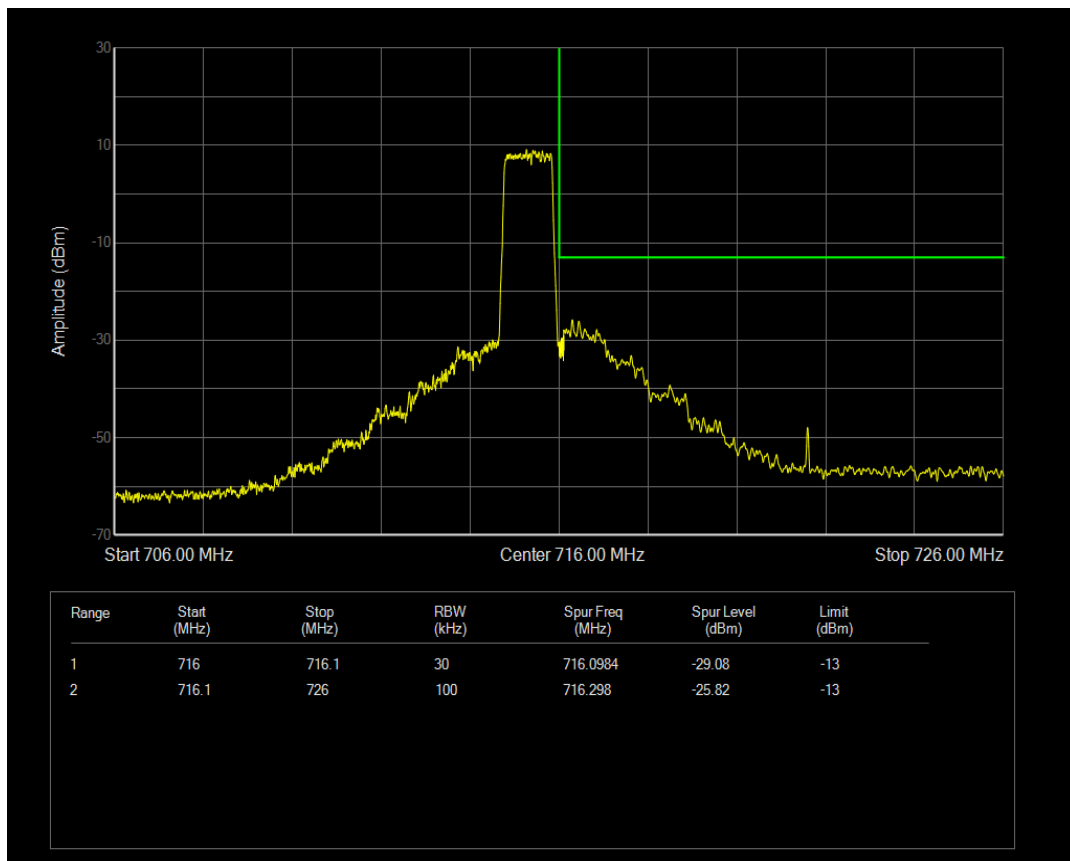
**Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0**



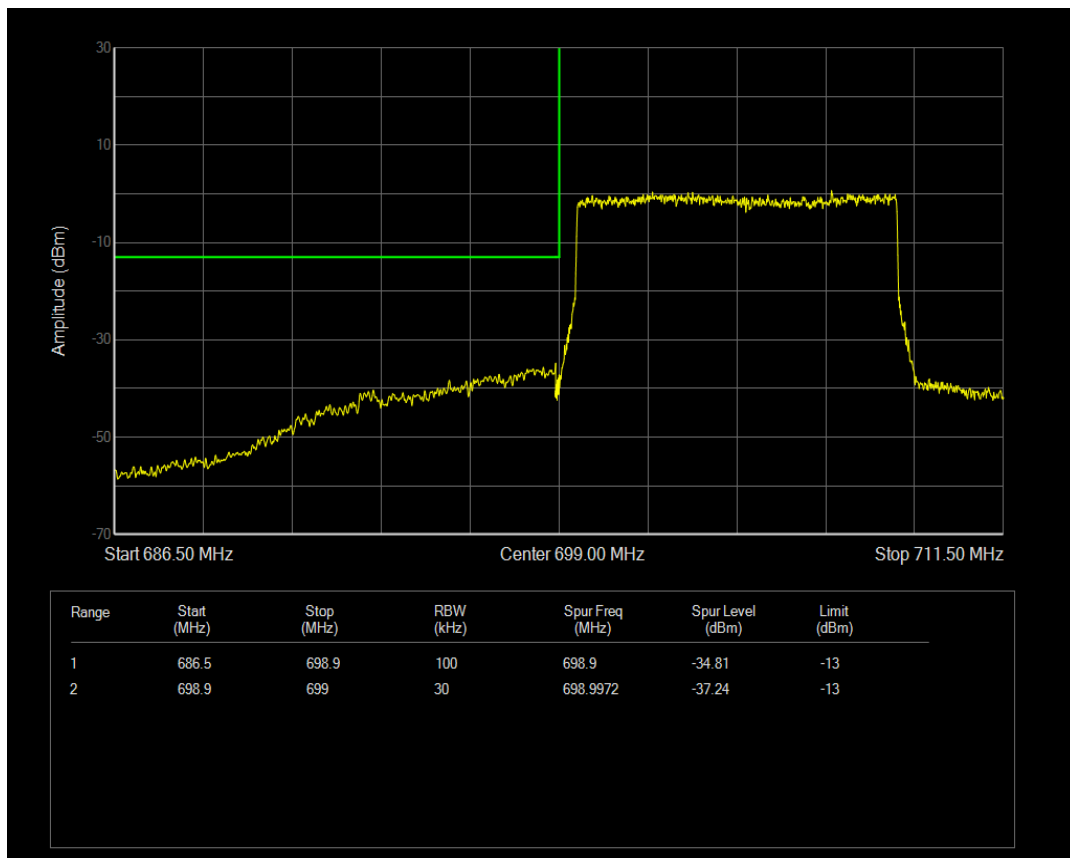
**Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0**

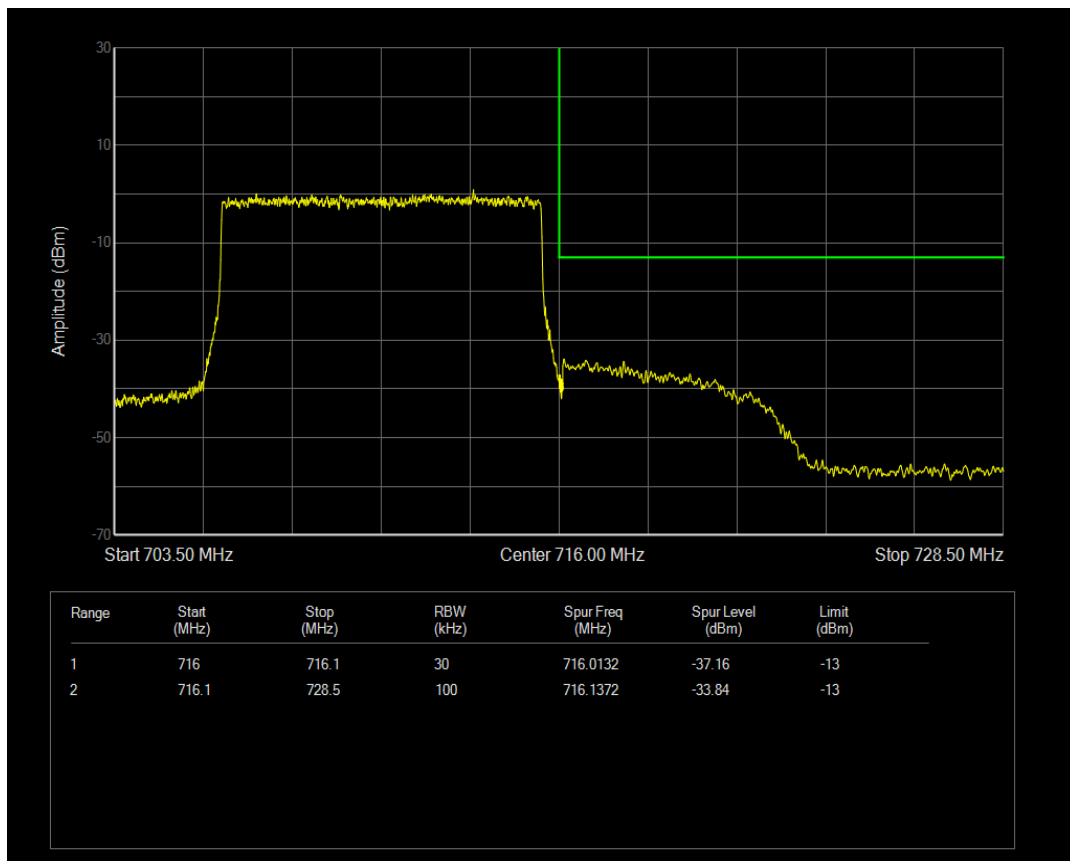
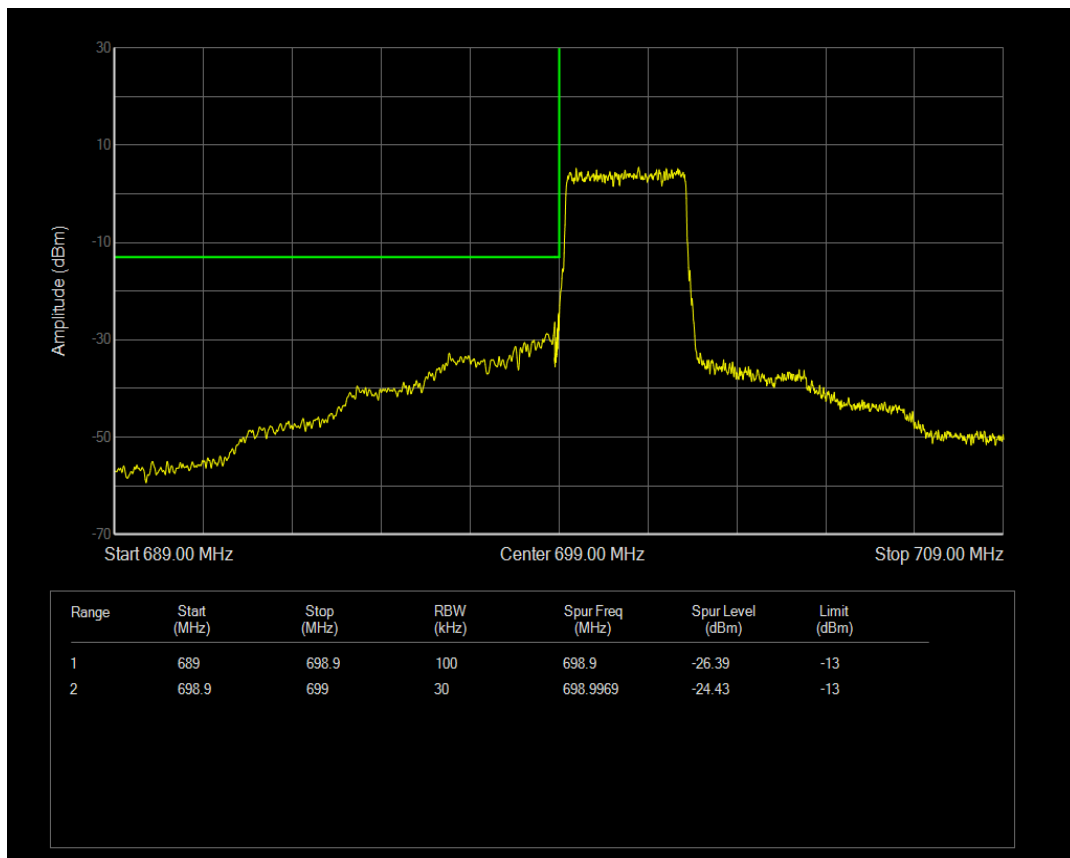
**Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0****Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

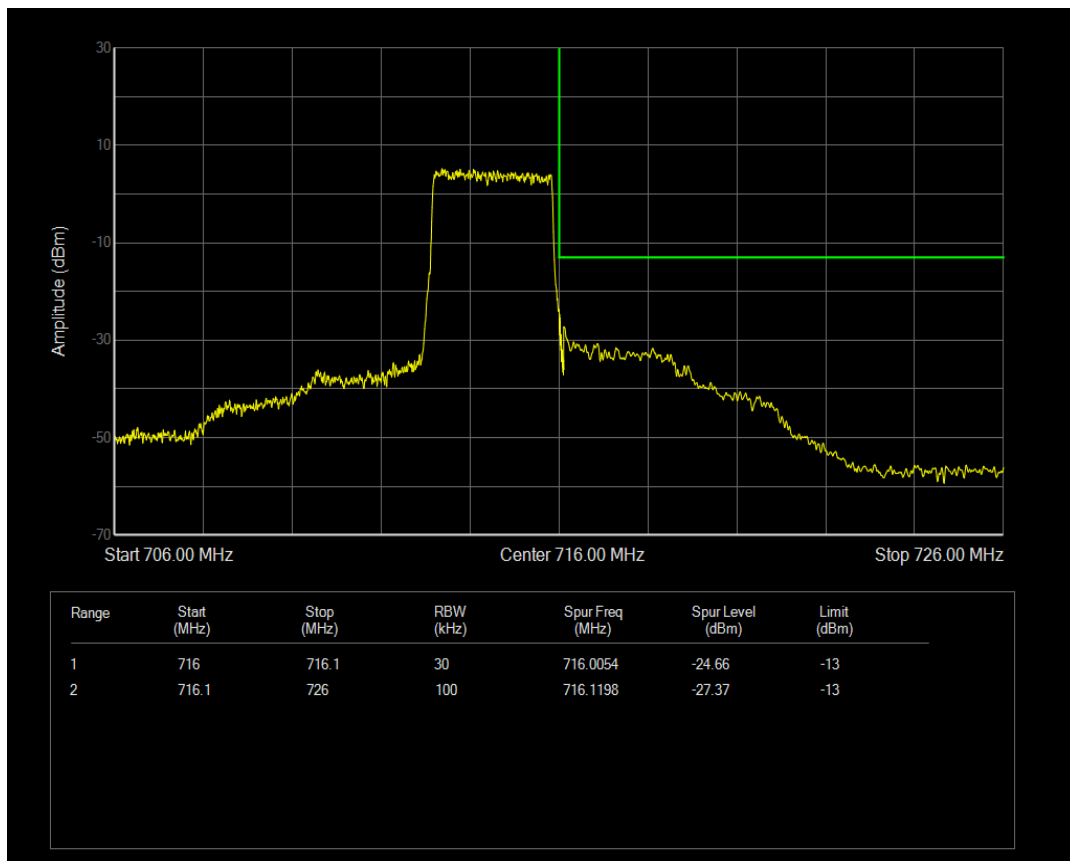
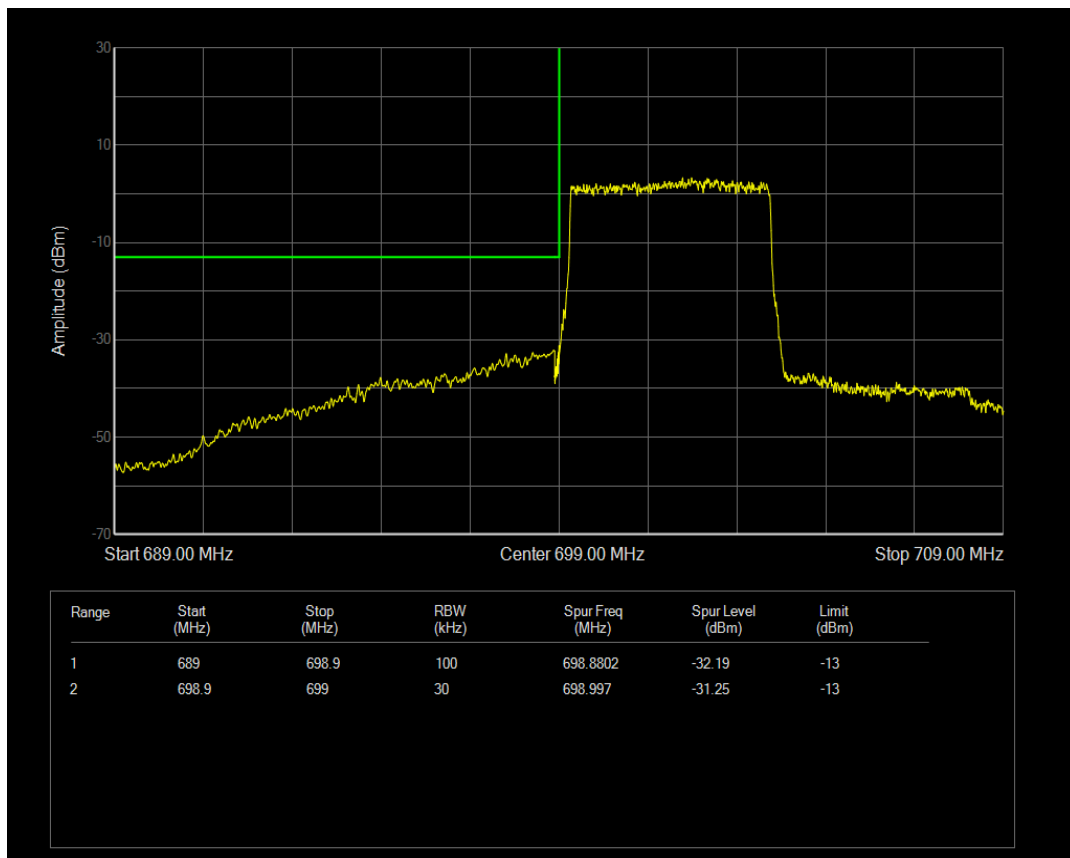


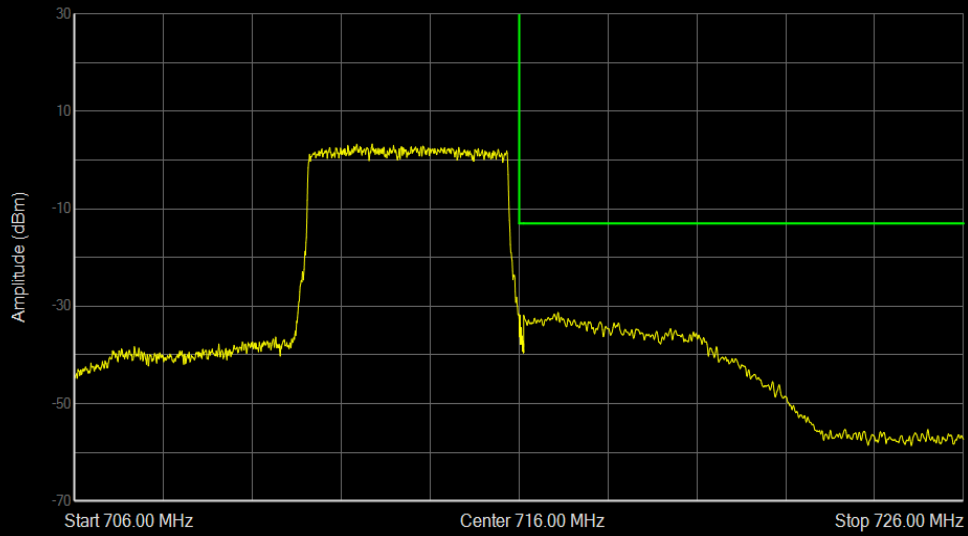
**Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0**



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

**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0**

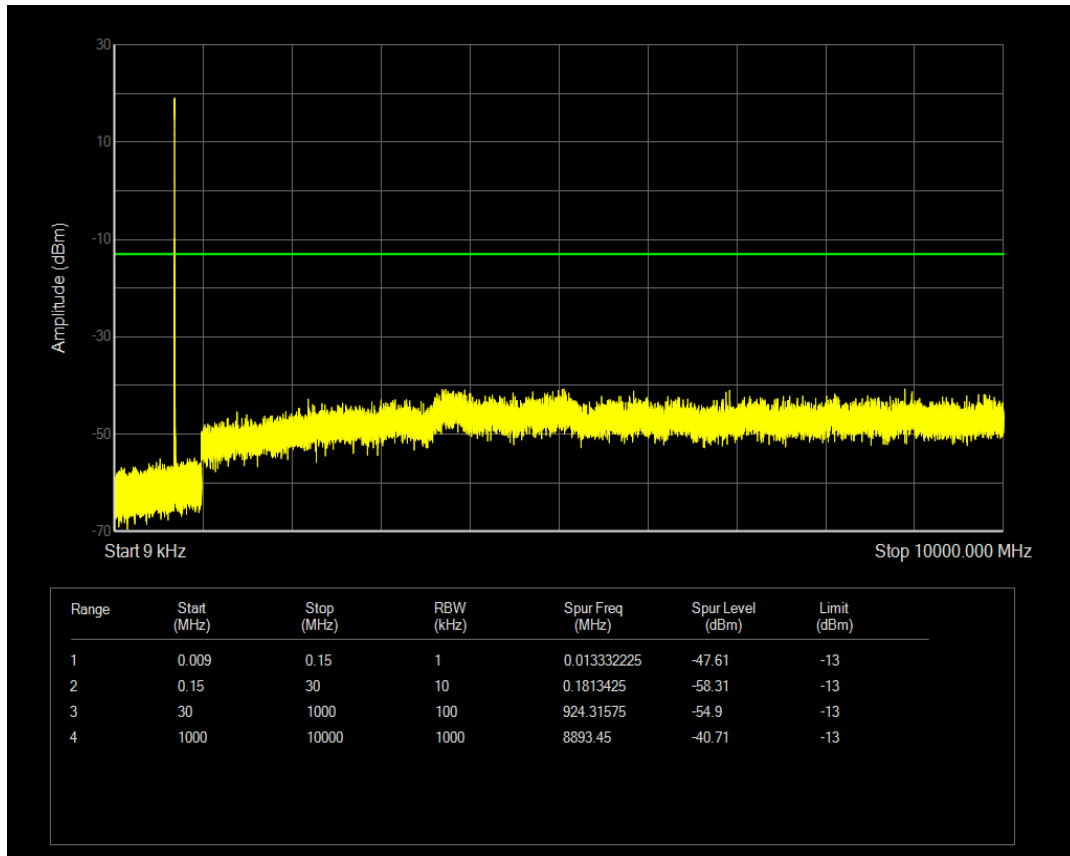


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 716         | 716.1      | 30        | 716.013         | -31.88           | -13         |
| 2     | 716.1       | 726        | 100       | 716.8722        | -31.29           | -13         |

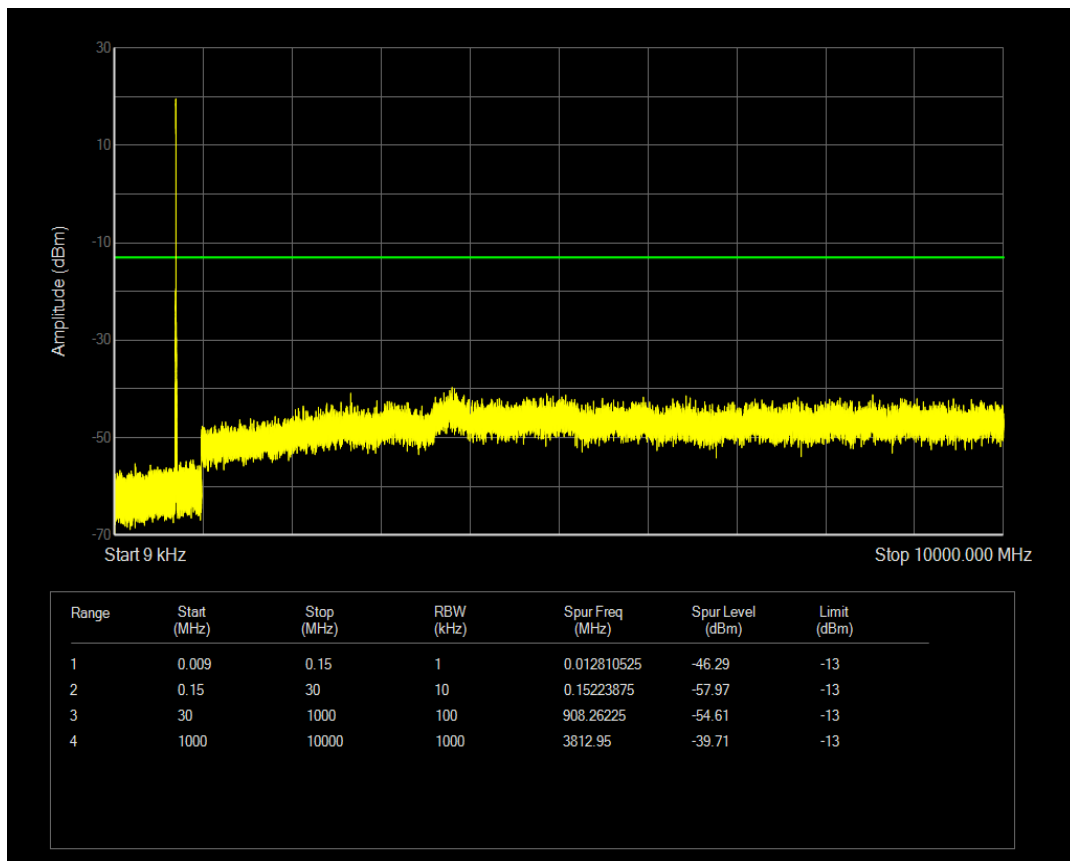
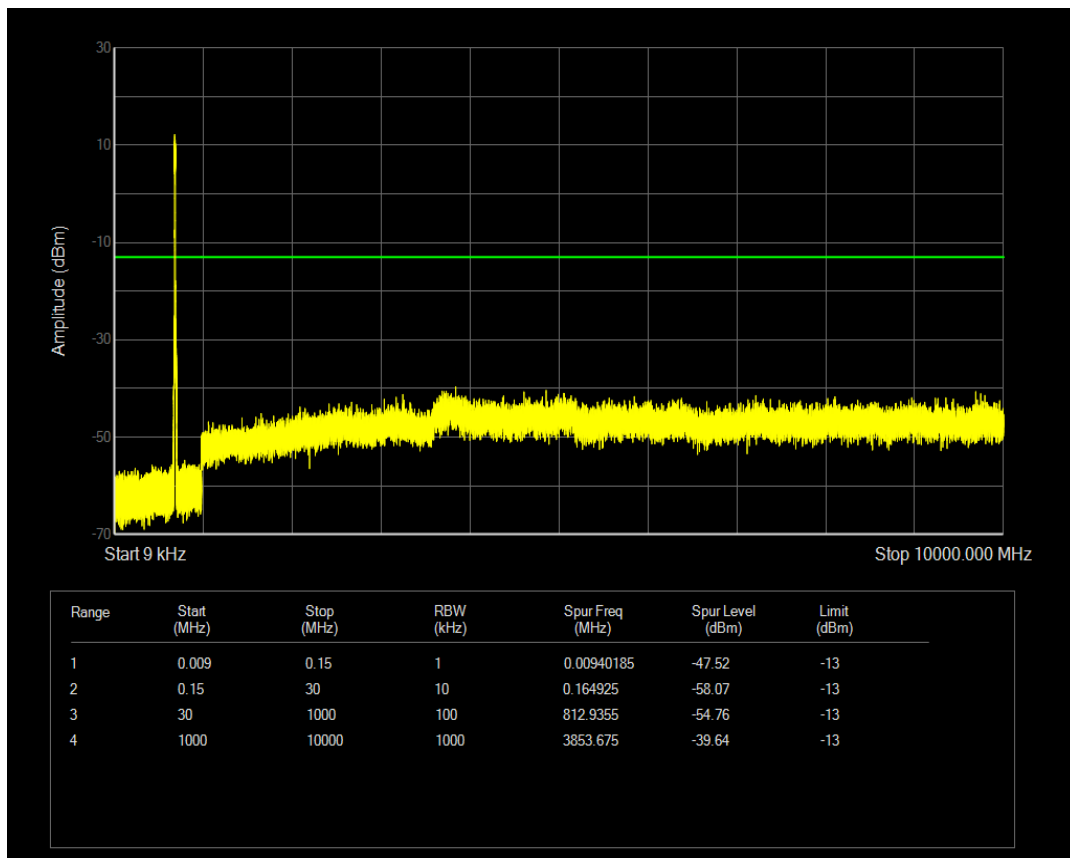
## 6 Out-of-band emissions

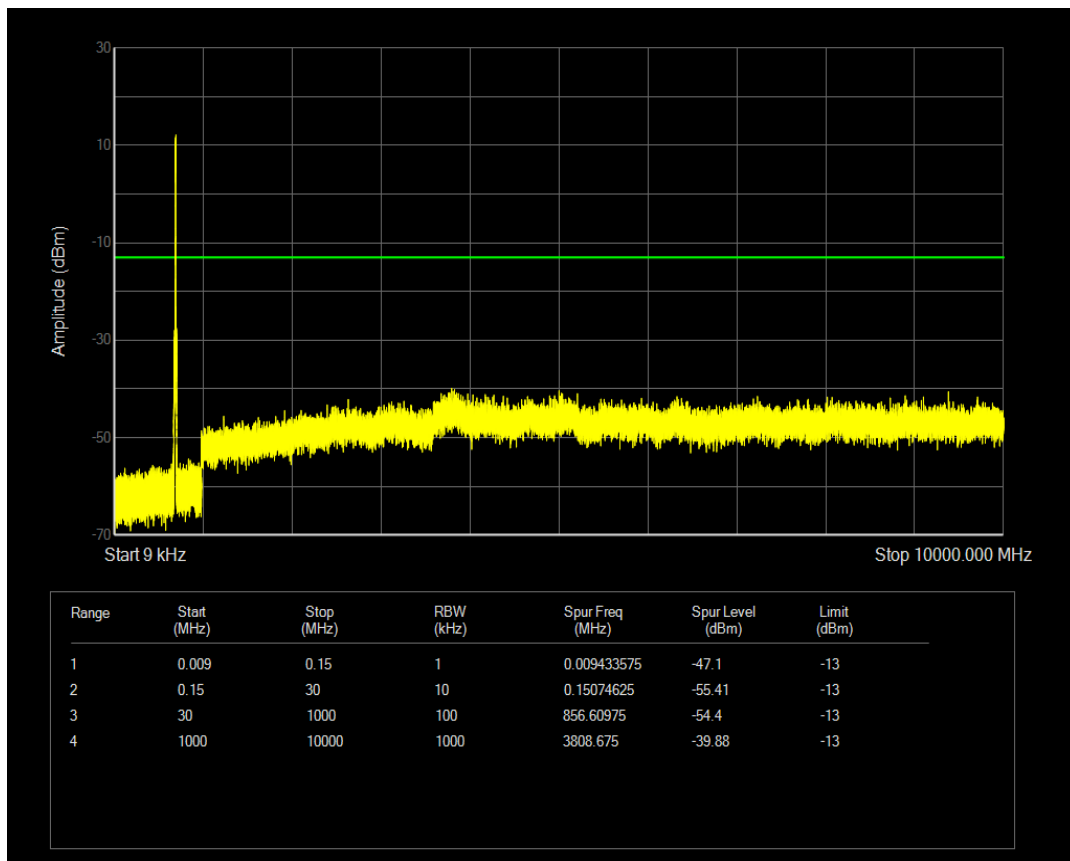
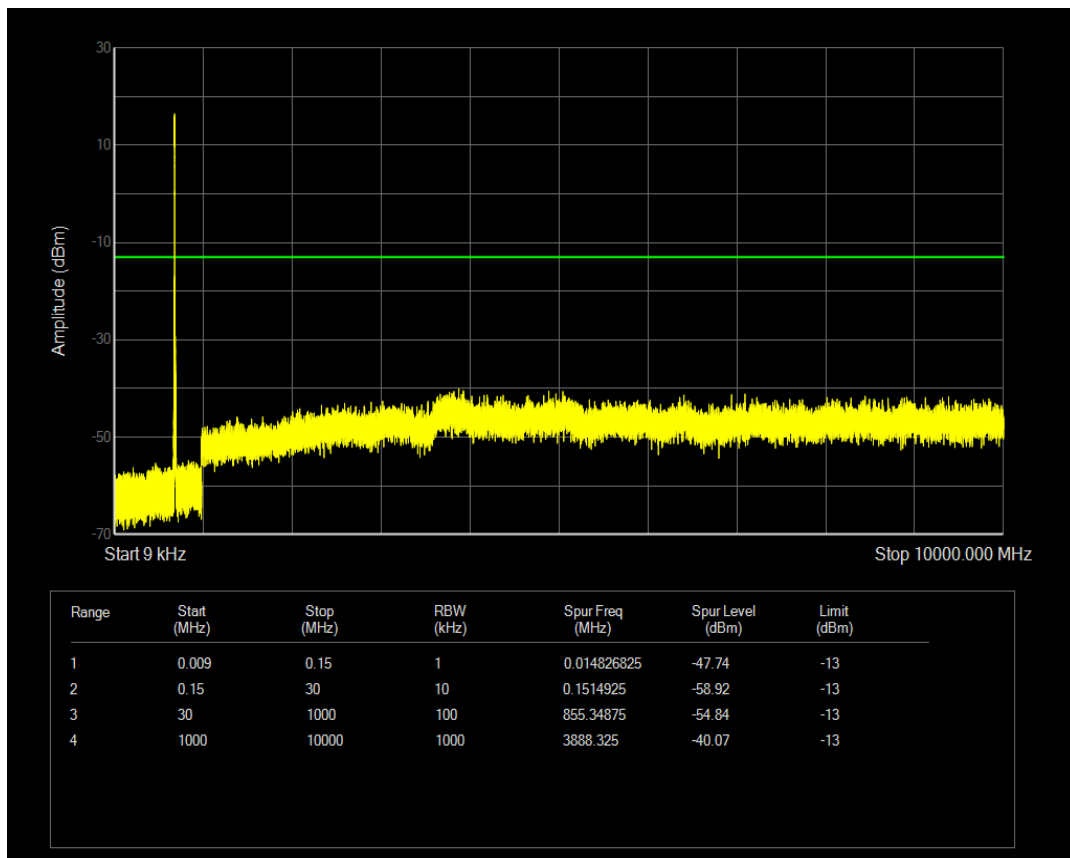
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur<br>Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|-----------------------|------------------------|----------------|---------|
| Band12 | 1.4                | 23017         | 6          | #0             | QPSK       | 3777.85               | -39.22                 | -13            | PASS    |
| Band12 | 1.4                | 23017         | 6          | #0             | QAM16      | 8893.45               | -40.71                 | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QPSK       | 3813.63               | -40.05                 | -13            | PASS    |
| Band12 | 1.4                | 23173         | 6          | #0             | QAM16      | 3812.95               | -39.71                 | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QPSK       | 5100.85               | -39.03                 | -13            | PASS    |
| Band12 | 3                  | 23025         | 15         | #0             | QAM16      | 3888.33               | -40.07                 | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QPSK       | 3873.48               | -40.47                 | -13            | PASS    |
| Band12 | 3                  | 23165         | 15         | #0             | QAM16      | 3875.28               | -40.27                 | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QPSK       | 3700.68               | -40.10                 | -13            | PASS    |
| Band12 | 5                  | 23035         | 25         | #0             | QAM16      | 3825.10               | -40.38                 | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QPSK       | 3878.20               | -38.73                 | -13            | PASS    |
| Band12 | 5                  | 23155         | 25         | #0             | QAM16      | 3706.30               | -39.34                 | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | 3869.20               | -39.38                 | -13            | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QAM16      | 3853.68               | -39.64                 | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QPSK       | 3873.25               | -39.63                 | -13            | PASS    |
| Band12 | 10                 | 23130         | 50         | #0             | QAM16      | 3808.68               | -39.88                 | -13            | PASS    |

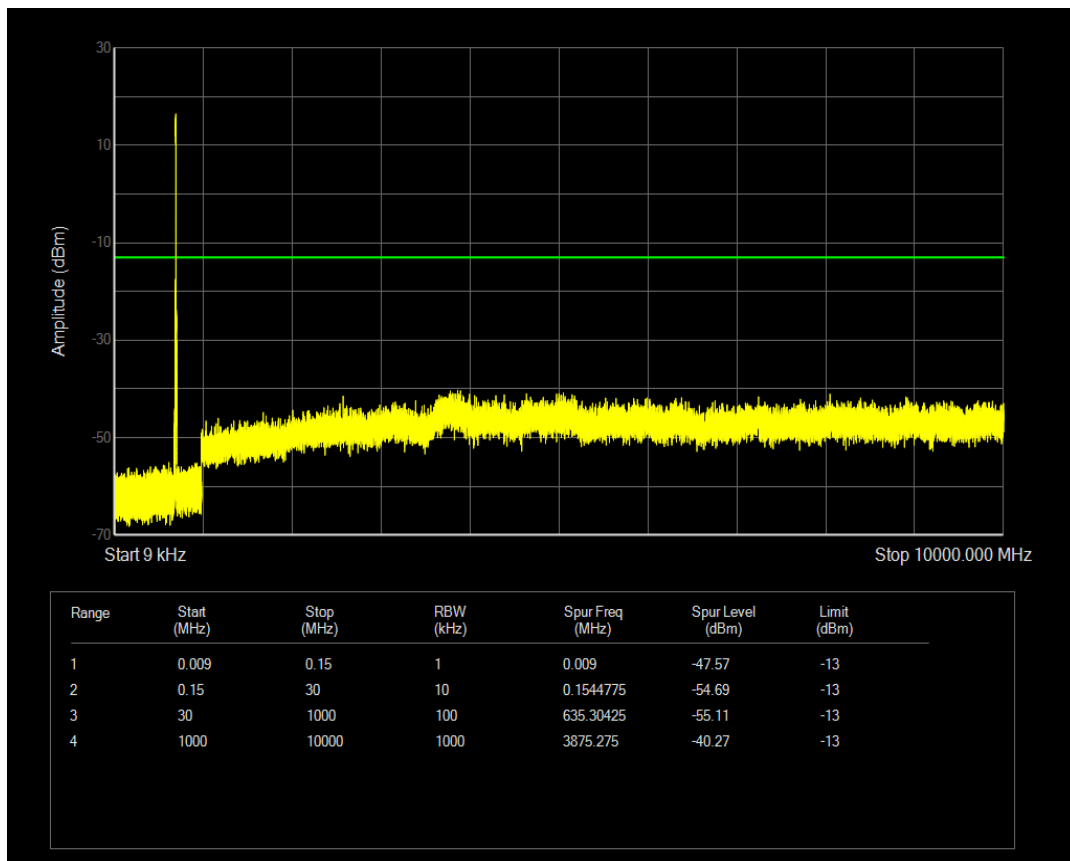
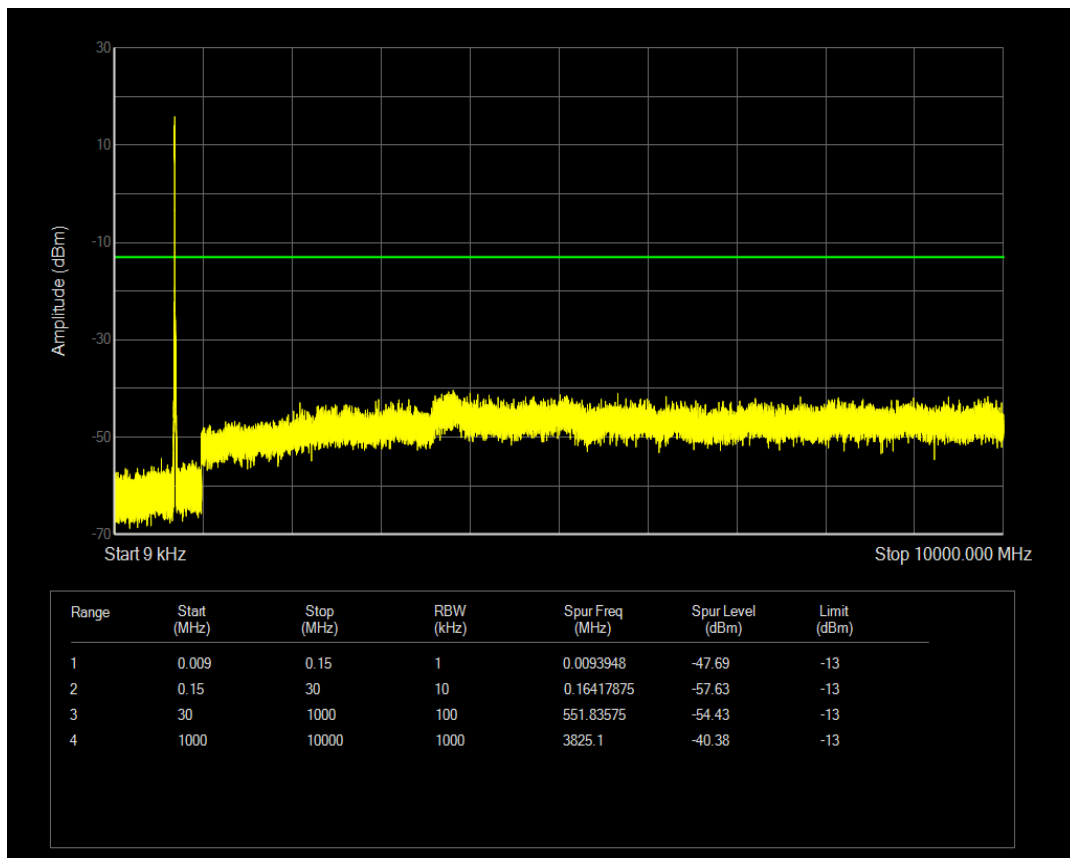
**Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0**

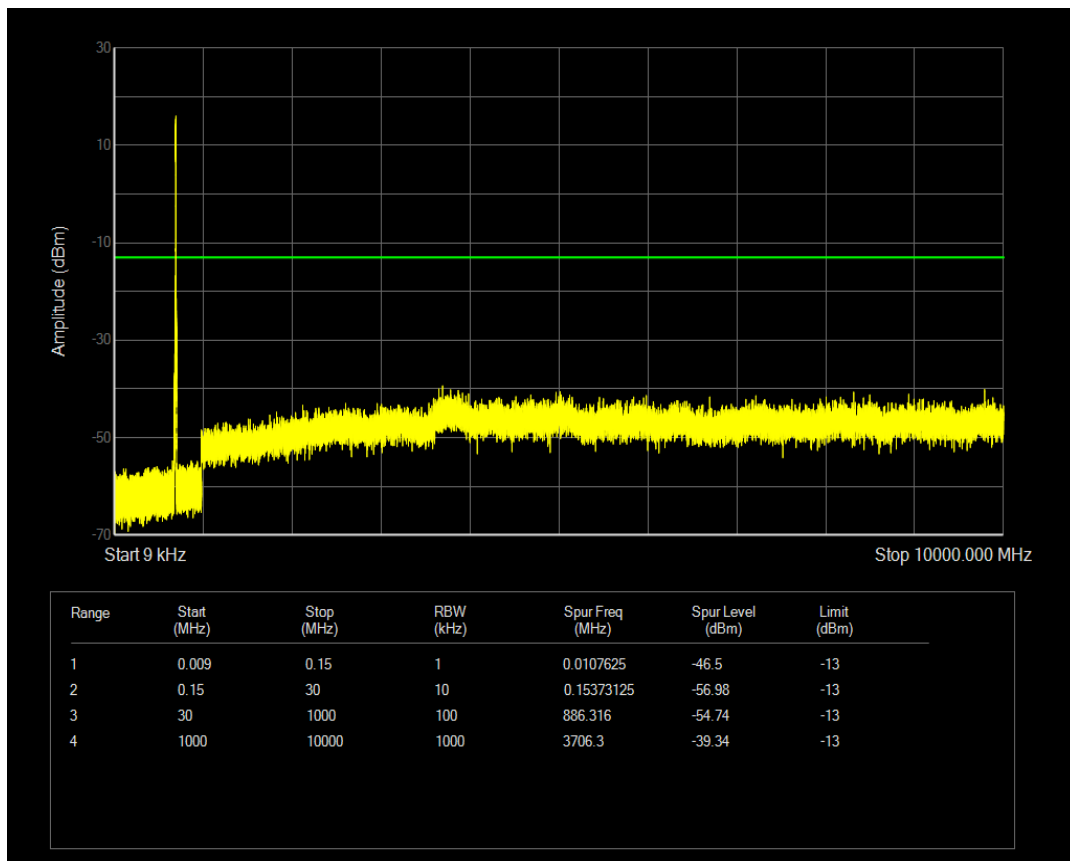
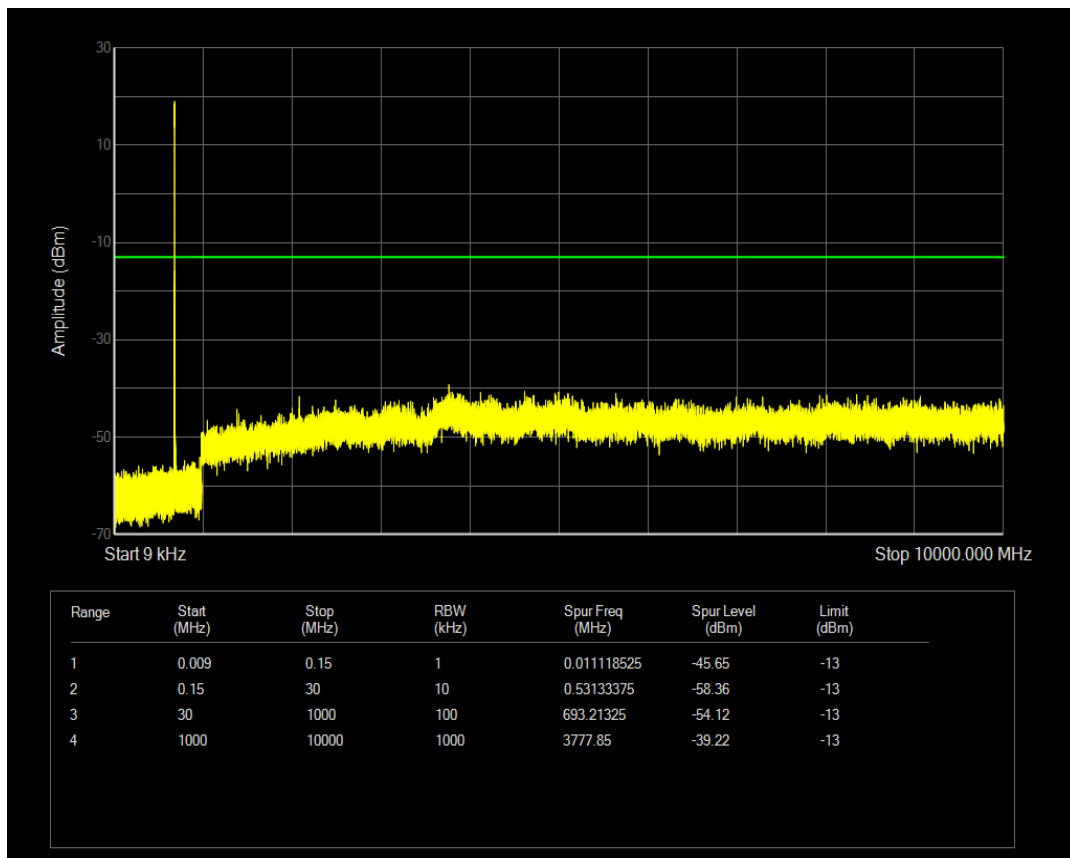


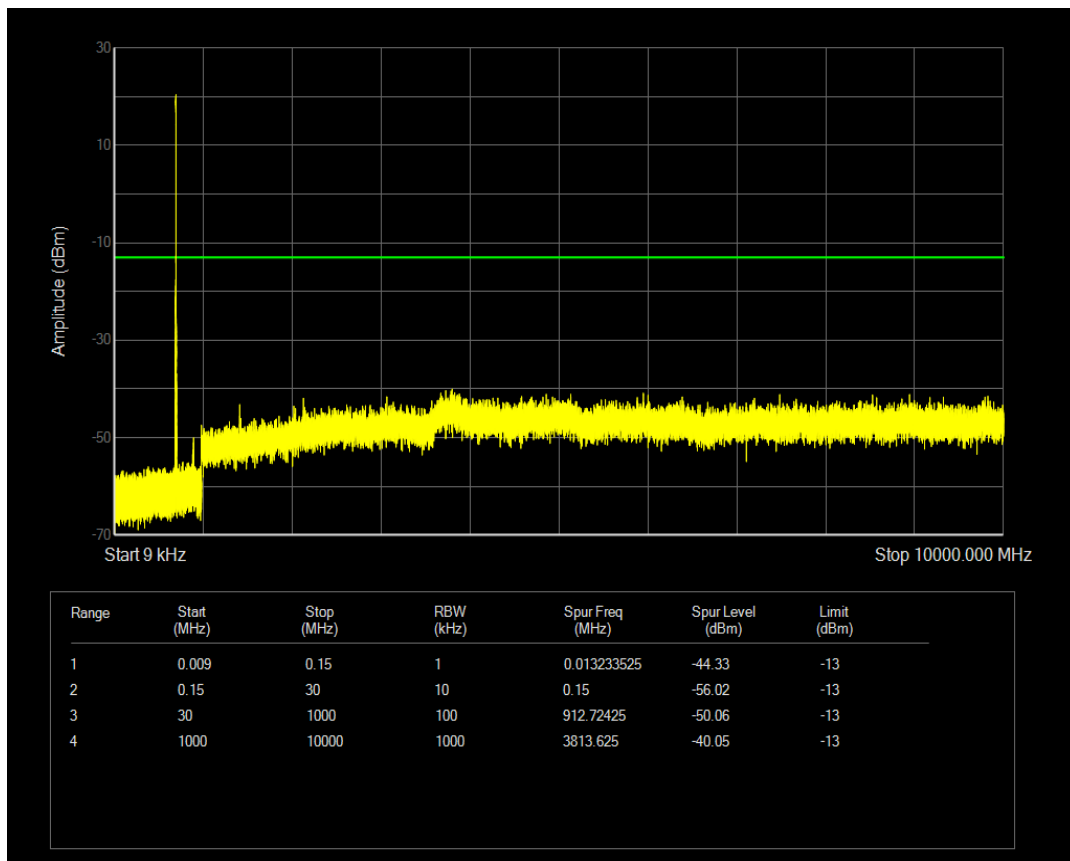
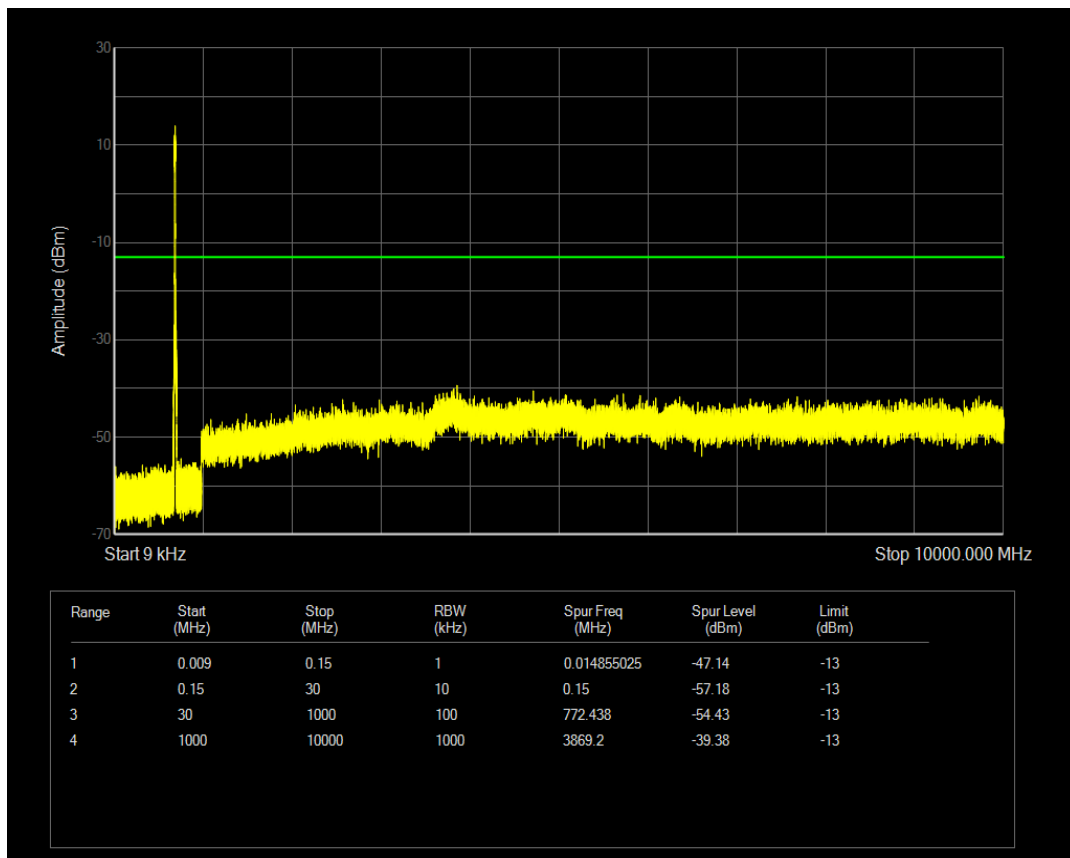
**Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

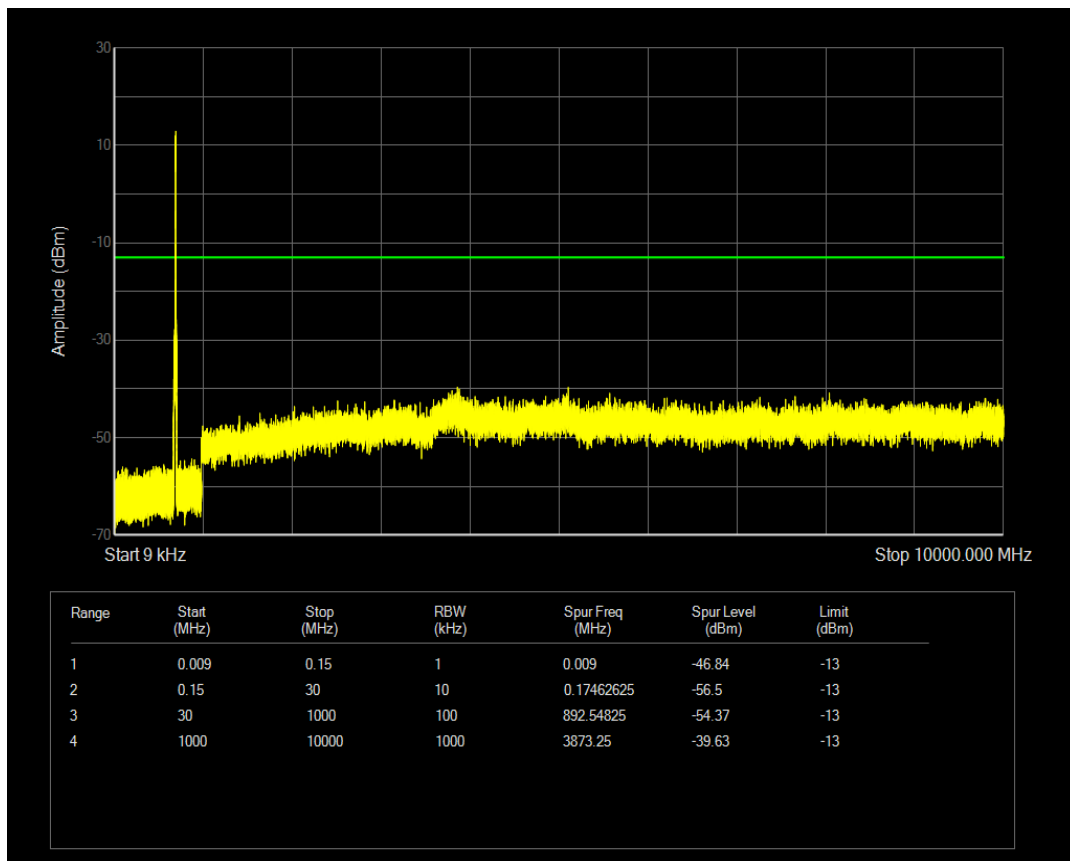
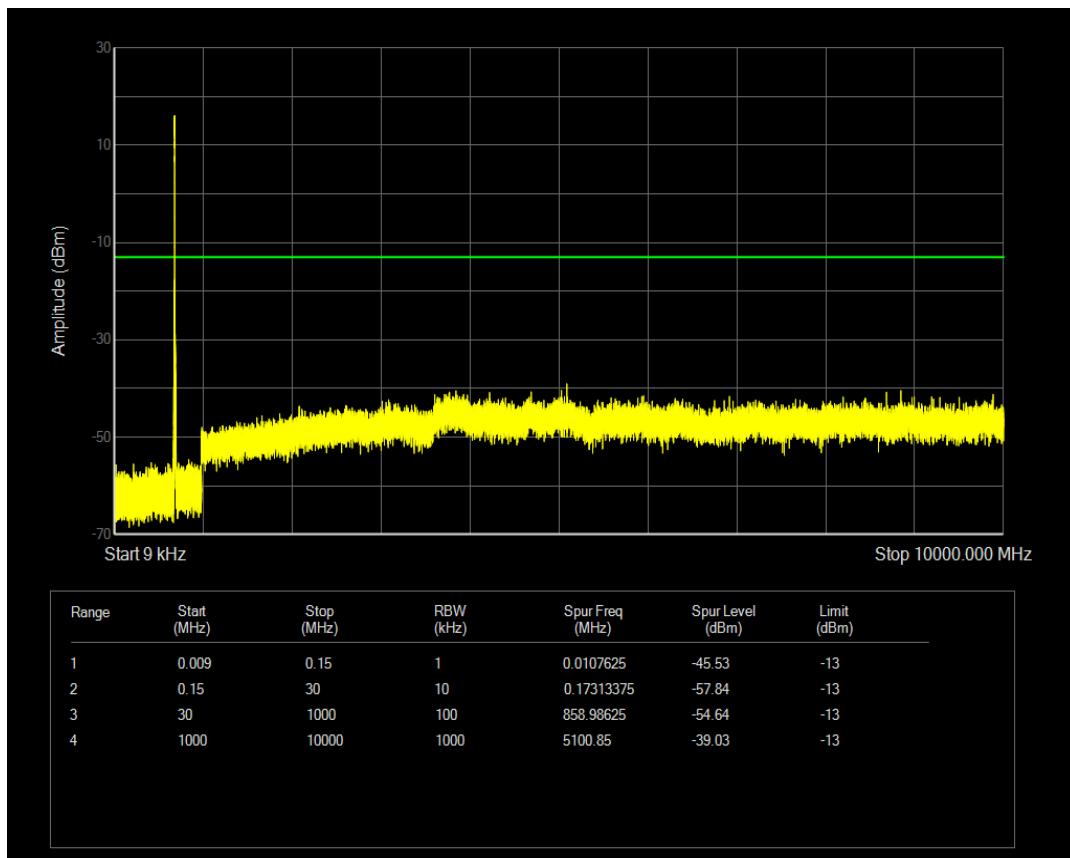
**Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0**

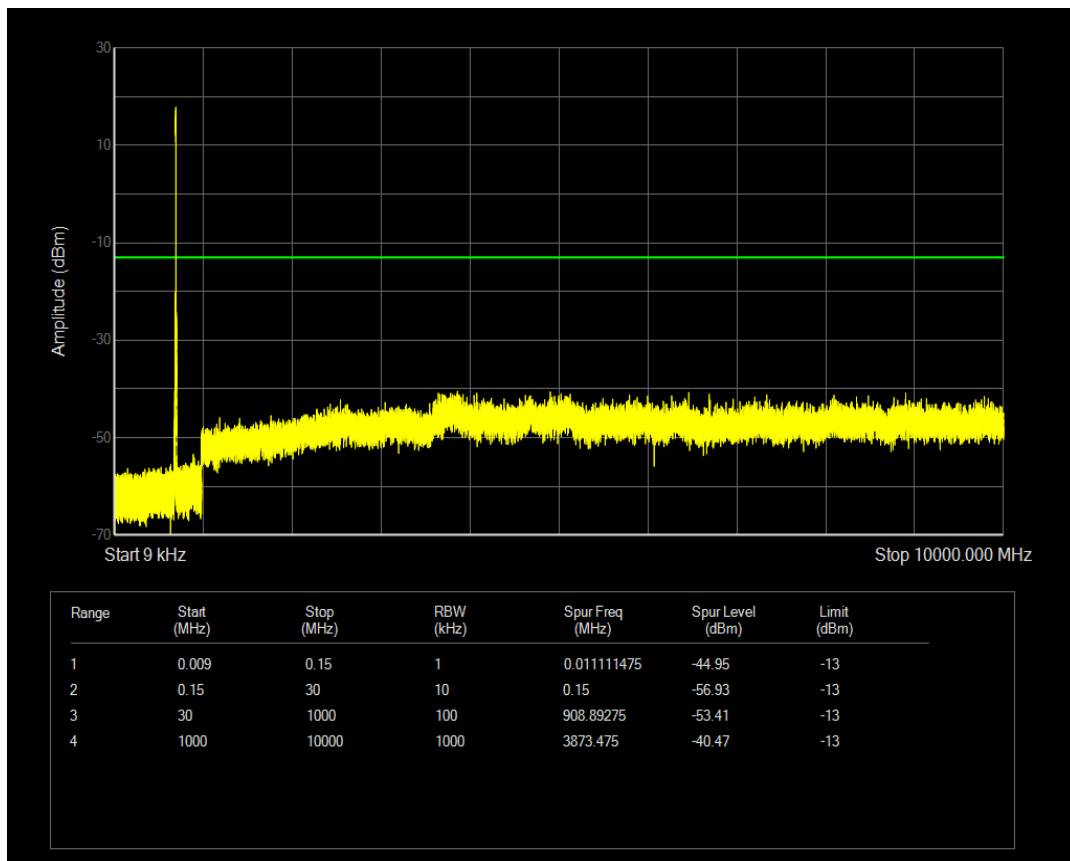
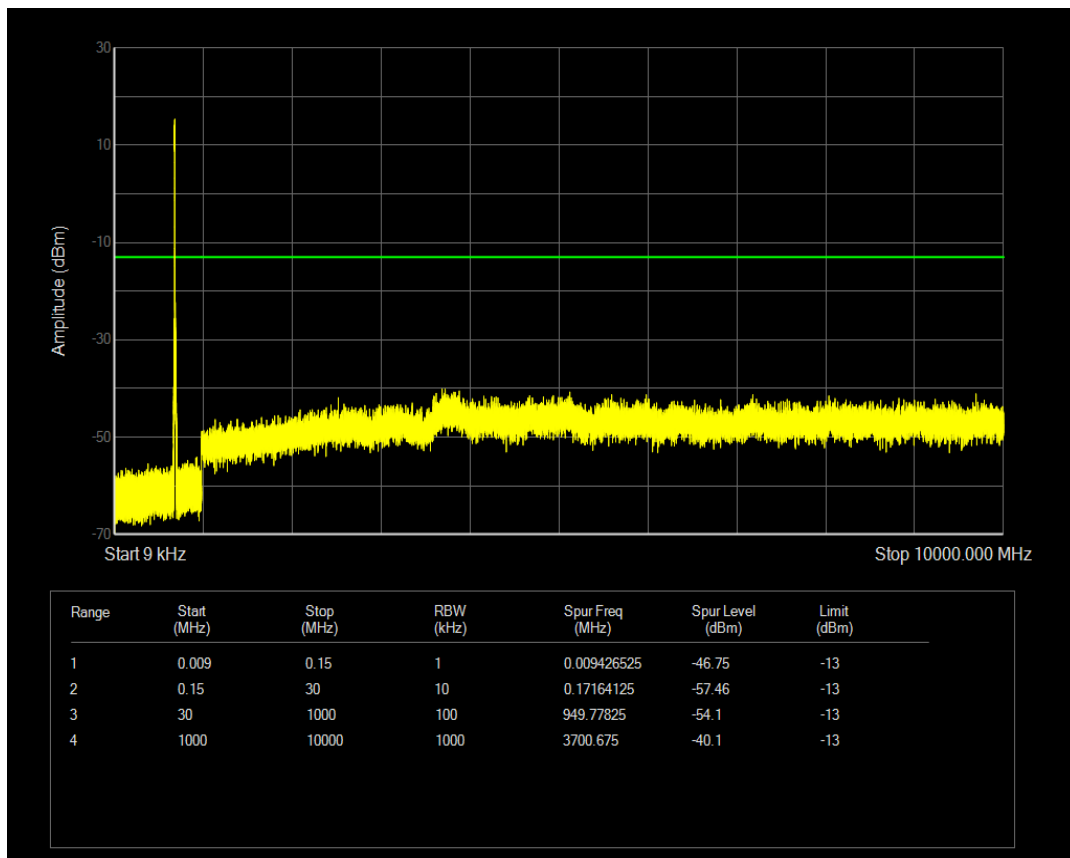
**Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0**

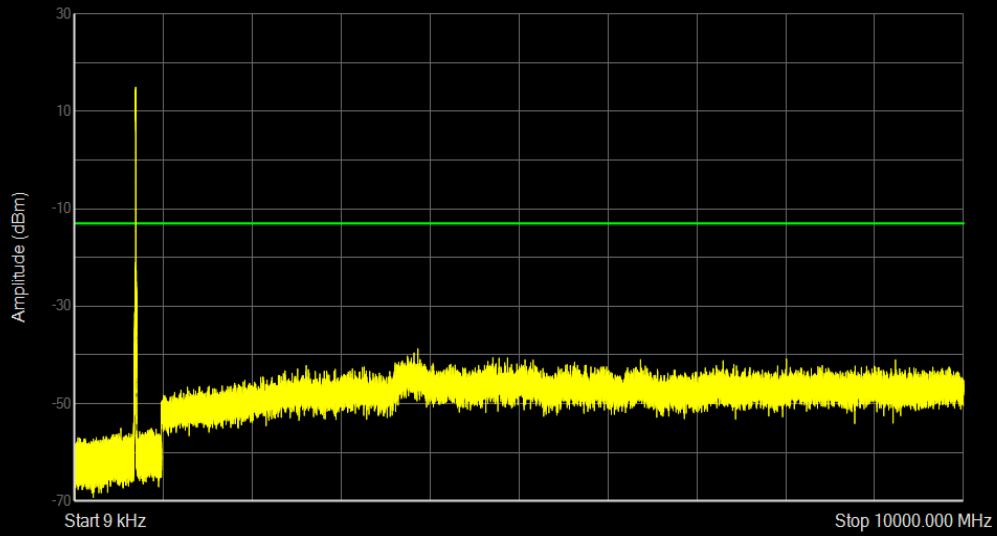
**Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0**

**Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0****Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0**

**Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0****Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0**

**Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0****Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0**

**Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0****Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0**



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009200925     | -45.99           | -13         |
| 2     | 0.15        | 30         | 10        | 0.17164125      | -57.77           | -13         |
| 3     | 30          | 1000       | 100       | 546.20975       | -55.04           | -13         |
| 4     | 1000        | 10000      | 1000      | 3878.2          | -38.73           | -13         |