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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) | EIRP<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|---------------------------------------|--------------------------|---------------|----------------|---------|
| Band38 | 5                  | 37775         | 1          | #0             | QPSK       | 21.02                                 | 1.3                      | 22.32         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 1          | #Mid           | QPSK       | 21.03                                 | 1.3                      | 22.33         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 1          | #Max           | QPSK       | 20.98                                 | 1.3                      | 22.28         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 12         | #0             | QPSK       | 20.19                                 | 1.3                      | 21.49         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 12         | #Mid           | QPSK       | 20.15                                 | 1.3                      | 21.45         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 12         | #Max           | QPSK       | 20.00                                 | 1.3                      | 21.30         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | 20.02                                 | 1.3                      | 21.32         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 1          | #0             | QAM64      | 20.01                                 | 1.3                      | 21.31         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 1          | #Mid           | QAM64      | 19.90                                 | 1.3                      | 21.20         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 1          | #Max           | QAM64      | 19.93                                 | 1.3                      | 21.23         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 12         | #0             | QAM64      | 19.22                                 | 1.3                      | 20.52         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 12         | #Mid           | QAM64      | 19.21                                 | 1.3                      | 20.51         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 12         | #Max           | QAM64      | 19.20                                 | 1.3                      | 20.50         | 33.01          | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QAM64      | 19.10                                 | 1.3                      | 20.40         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 1          | #0             | QPSK       | 20.96                                 | 1.3                      | 22.26         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 1          | #Mid           | QPSK       | 20.91                                 | 1.3                      | 22.21         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 1          | #Max           | QPSK       | 20.86                                 | 1.3                      | 22.16         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 12         | #0             | QPSK       | 20.07                                 | 1.3                      | 21.37         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 12         | #Mid           | QPSK       | 20.06                                 | 1.3                      | 21.36         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 12         | #Max           | QPSK       | 20.12                                 | 1.3                      | 21.42         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QPSK       | 20.10                                 | 1.3                      | 21.40         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 1          | #0             | QAM64      | 20.77                                 | 1.3                      | 22.07         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 1          | #Mid           | QAM64      | 20.71                                 | 1.3                      | 22.01         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 1          | #Max           | QAM64      | 20.66                                 | 1.3                      | 21.96         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 12         | #0             | QAM64      | 19.22                                 | 1.3                      | 20.52         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 12         | #Mid           | QAM64      | 19.24                                 | 1.3                      | 20.54         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 12         | #Max           | QAM64      | 19.13                                 | 1.3                      | 20.43         | 33.01          | PASS    |
| Band38 | 5                  | 38000         | 25         | #0             | QAM64      | 19.30                                 | 1.3                      | 20.60         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 1          | #0             | QPSK       | 21.04                                 | 1.3                      | 22.34         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 1          | #Mid           | QPSK       | 21.01                                 | 1.3                      | 22.31         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 1          | #Max           | QPSK       | 20.99                                 | 1.3                      | 22.29         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 12         | #0             | QPSK       | 19.85                                 | 1.3                      | 21.15         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 12         | #Mid           | QPSK       | 19.94                                 | 1.3                      | 21.24         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 12         | #Max           | QPSK       | 19.90                                 | 1.3                      | 21.20         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | 19.95                                 | 1.3                      | 21.25         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 1          | #0             | QAM64      | 19.59                                 | 1.3                      | 20.89         | 33.01          | PASS    |
| Band38 | 5                  | 38225         | 1          | #Mid           | QAM64      | 19.53                                 | 1.3                      | 20.83         | 33.01          | PASS    |

|        |    |       |    |      |       |       |     |       |       |      |
|--------|----|-------|----|------|-------|-------|-----|-------|-------|------|
| Band38 | 5  | 38225 | 1  | #Max | QAM64 | 19.52 | 1.3 | 20.82 | 33.01 | PASS |
| Band38 | 5  | 38225 | 12 | #0   | QAM64 | 18.86 | 1.3 | 20.16 | 33.01 | PASS |
| Band38 | 5  | 38225 | 12 | #Mid | QAM64 | 18.96 | 1.3 | 20.26 | 33.01 | PASS |
| Band38 | 5  | 38225 | 12 | #Max | QAM64 | 18.93 | 1.3 | 20.23 | 33.01 | PASS |
| Band38 | 5  | 38225 | 25 | #0   | QAM64 | 19.17 | 1.3 | 20.47 | 33.01 | PASS |
| Band38 | 10 | 37800 | 1  | #0   | QPSK  | 21.35 | 1.3 | 22.65 | 33.01 | PASS |
| Band38 | 10 | 37800 | 1  | #Mid | QPSK  | 21.32 | 1.3 | 22.62 | 33.01 | PASS |
| Band38 | 10 | 37800 | 1  | #Max | QPSK  | 21.32 | 1.3 | 22.62 | 33.01 | PASS |
| Band38 | 10 | 37800 | 25 | #0   | QPSK  | 20.08 | 1.3 | 21.38 | 33.01 | PASS |
| Band38 | 10 | 37800 | 25 | #Mid | QPSK  | 20.12 | 1.3 | 21.42 | 33.01 | PASS |
| Band38 | 10 | 37800 | 25 | #Max | QPSK  | 20.14 | 1.3 | 21.44 | 33.01 | PASS |
| Band38 | 10 | 37800 | 50 | #0   | QPSK  | 20.15 | 1.3 | 21.45 | 33.01 | PASS |
| Band38 | 10 | 37800 | 1  | #0   | QAM64 | 20.82 | 1.3 | 22.12 | 33.01 | PASS |
| Band38 | 10 | 37800 | 1  | #Mid | QAM64 | 20.78 | 1.3 | 22.08 | 33.01 | PASS |
| Band38 | 10 | 37800 | 1  | #Max | QAM64 | 20.88 | 1.3 | 22.18 | 33.01 | PASS |
| Band38 | 10 | 37800 | 25 | #0   | QAM64 | 19.28 | 1.3 | 20.58 | 33.01 | PASS |
| Band38 | 10 | 37800 | 25 | #Mid | QAM64 | 19.19 | 1.3 | 20.49 | 33.01 | PASS |
| Band38 | 10 | 37800 | 25 | #Max | QAM64 | 19.16 | 1.3 | 20.46 | 33.01 | PASS |
| Band38 | 10 | 37800 | 50 | #0   | QAM64 | 19.20 | 1.3 | 20.50 | 33.01 | PASS |
| Band38 | 10 | 38000 | 1  | #0   | QPSK  | 21.31 | 1.3 | 22.61 | 33.01 | PASS |
| Band38 | 10 | 38000 | 1  | #Mid | QPSK  | 21.25 | 1.3 | 22.55 | 33.01 | PASS |
| Band38 | 10 | 38000 | 1  | #Max | QPSK  | 21.25 | 1.3 | 22.55 | 33.01 | PASS |
| Band38 | 10 | 38000 | 25 | #0   | QPSK  | 20.10 | 1.3 | 21.40 | 33.01 | PASS |
| Band38 | 10 | 38000 | 25 | #Mid | QPSK  | 20.17 | 1.3 | 21.47 | 33.01 | PASS |
| Band38 | 10 | 38000 | 25 | #Max | QPSK  | 20.17 | 1.3 | 21.47 | 33.01 | PASS |
| Band38 | 10 | 38000 | 50 | #0   | QPSK  | 20.09 | 1.3 | 21.39 | 33.01 | PASS |
| Band38 | 10 | 38000 | 1  | #0   | QAM64 | 20.37 | 1.3 | 21.67 | 33.01 | PASS |
| Band38 | 10 | 38000 | 1  | #Mid | QAM64 | 20.28 | 1.3 | 21.58 | 33.01 | PASS |
| Band38 | 10 | 38000 | 1  | #Max | QAM64 | 20.33 | 1.3 | 21.63 | 33.01 | PASS |
| Band38 | 10 | 38000 | 25 | #0   | QAM64 | 19.31 | 1.3 | 20.61 | 33.01 | PASS |
| Band38 | 10 | 38000 | 25 | #Mid | QAM64 | 19.38 | 1.3 | 20.68 | 33.01 | PASS |
| Band38 | 10 | 38000 | 25 | #Max | QAM64 | 19.28 | 1.3 | 20.58 | 33.01 | PASS |
| Band38 | 10 | 38000 | 50 | #0   | QAM64 | 19.27 | 1.3 | 20.57 | 33.01 | PASS |
| Band38 | 10 | 38200 | 1  | #0   | QPSK  | 20.89 | 1.3 | 22.19 | 33.01 | PASS |
| Band38 | 10 | 38200 | 1  | #Mid | QPSK  | 20.81 | 1.3 | 22.11 | 33.01 | PASS |
| Band38 | 10 | 38200 | 1  | #Max | QPSK  | 20.83 | 1.3 | 22.13 | 33.01 | PASS |
| Band38 | 10 | 38200 | 25 | #0   | QPSK  | 19.90 | 1.3 | 21.20 | 33.01 | PASS |
| Band38 | 10 | 38200 | 25 | #Mid | QPSK  | 19.92 | 1.3 | 21.22 | 33.01 | PASS |
| Band38 | 10 | 38200 | 25 | #Max | QPSK  | 20.03 | 1.3 | 21.33 | 33.01 | PASS |
| Band38 | 10 | 38200 | 50 | #0   | QPSK  | 19.95 | 1.3 | 21.25 | 33.01 | PASS |
| Band38 | 10 | 38200 | 1  | #0   | QAM64 | 20.32 | 1.3 | 21.62 | 33.01 | PASS |
| Band38 | 10 | 38200 | 1  | #Mid | QAM64 | 20.24 | 1.3 | 21.54 | 33.01 | PASS |
| Band38 | 10 | 38200 | 1  | #Max | QAM64 | 20.31 | 1.3 | 21.61 | 33.01 | PASS |
| Band38 | 10 | 38200 | 25 | #0   | QAM64 | 19.07 | 1.3 | 20.37 | 33.01 | PASS |

|        |    |       |    |      |       |       |     |       |       |      |
|--------|----|-------|----|------|-------|-------|-----|-------|-------|------|
| Band38 | 10 | 38200 | 25 | #Mid | QAM64 | 19.10 | 1.3 | 20.40 | 33.01 | PASS |
| Band38 | 10 | 38200 | 25 | #Max | QAM64 | 19.20 | 1.3 | 20.50 | 33.01 | PASS |
| Band38 | 10 | 38200 | 50 | #0   | QAM64 | 18.93 | 1.3 | 20.23 | 33.01 | PASS |
| Band38 | 15 | 37825 | 1  | #0   | QPSK  | 21.27 | 1.3 | 22.57 | 33.01 | PASS |
| Band38 | 15 | 37825 | 1  | #Mid | QPSK  | 21.31 | 1.3 | 22.61 | 33.01 | PASS |
| Band38 | 15 | 37825 | 1  | #Max | QPSK  | 21.29 | 1.3 | 22.59 | 33.01 | PASS |
| Band38 | 15 | 37825 | 36 | #0   | QPSK  | 20.18 | 1.3 | 21.48 | 33.01 | PASS |
| Band38 | 15 | 37825 | 36 | #Mid | QPSK  | 20.08 | 1.3 | 21.38 | 33.01 | PASS |
| Band38 | 15 | 37825 | 36 | #Max | QPSK  | 20.08 | 1.3 | 21.38 | 33.01 | PASS |
| Band38 | 15 | 37825 | 75 | #0   | QPSK  | 20.08 | 1.3 | 21.38 | 33.01 | PASS |
| Band38 | 15 | 37825 | 1  | #0   | QAM64 | 20.70 | 1.3 | 22.00 | 33.01 | PASS |
| Band38 | 15 | 37825 | 1  | #Mid | QAM64 | 20.68 | 1.3 | 21.98 | 33.01 | PASS |
| Band38 | 15 | 37825 | 1  | #Max | QAM64 | 20.58 | 1.3 | 21.88 | 33.01 | PASS |
| Band38 | 15 | 37825 | 36 | #0   | QAM64 | 19.29 | 1.3 | 20.59 | 33.01 | PASS |
| Band38 | 15 | 37825 | 36 | #Mid | QAM64 | 19.18 | 1.3 | 20.48 | 33.01 | PASS |
| Band38 | 15 | 37825 | 36 | #Max | QAM64 | 19.26 | 1.3 | 20.56 | 33.01 | PASS |
| Band38 | 15 | 37825 | 75 | #0   | QAM64 | 19.20 | 1.3 | 20.50 | 33.01 | PASS |
| Band38 | 15 | 38000 | 1  | #0   | QPSK  | 21.32 | 1.3 | 22.62 | 33.01 | PASS |
| Band38 | 15 | 38000 | 1  | #Mid | QPSK  | 21.22 | 1.3 | 22.52 | 33.01 | PASS |
| Band38 | 15 | 38000 | 1  | #Max | QPSK  | 21.23 | 1.3 | 22.53 | 33.01 | PASS |
| Band38 | 15 | 38000 | 36 | #0   | QPSK  | 20.18 | 1.3 | 21.48 | 33.01 | PASS |
| Band38 | 15 | 38000 | 36 | #Mid | QPSK  | 20.14 | 1.3 | 21.44 | 33.01 | PASS |
| Band38 | 15 | 38000 | 36 | #Max | QPSK  | 20.13 | 1.3 | 21.43 | 33.01 | PASS |
| Band38 | 15 | 38000 | 75 | #0   | QPSK  | 20.05 | 1.3 | 21.35 | 33.01 | PASS |
| Band38 | 15 | 38000 | 1  | #0   | QAM64 | 20.27 | 1.3 | 21.57 | 33.01 | PASS |
| Band38 | 15 | 38000 | 1  | #Mid | QAM64 | 20.26 | 1.3 | 21.56 | 33.01 | PASS |
| Band38 | 15 | 38000 | 1  | #Max | QAM64 | 20.17 | 1.3 | 21.47 | 33.01 | PASS |
| Band38 | 15 | 38000 | 36 | #0   | QAM64 | 19.17 | 1.3 | 20.47 | 33.01 | PASS |
| Band38 | 15 | 38000 | 36 | #Mid | QAM64 | 19.23 | 1.3 | 20.53 | 33.01 | PASS |
| Band38 | 15 | 38000 | 36 | #Max | QAM64 | 19.17 | 1.3 | 20.47 | 33.01 | PASS |
| Band38 | 15 | 38000 | 75 | #0   | QAM64 | 19.27 | 1.3 | 20.57 | 33.01 | PASS |
| Band38 | 15 | 38175 | 1  | #0   | QPSK  | 20.95 | 1.3 | 22.25 | 33.01 | PASS |
| Band38 | 15 | 38175 | 1  | #Mid | QPSK  | 20.87 | 1.3 | 22.17 | 33.01 | PASS |
| Band38 | 15 | 38175 | 1  | #Max | QPSK  | 21.00 | 1.3 | 22.30 | 33.01 | PASS |
| Band38 | 15 | 38175 | 36 | #0   | QPSK  | 19.97 | 1.3 | 21.27 | 33.01 | PASS |
| Band38 | 15 | 38175 | 36 | #Mid | QPSK  | 19.90 | 1.3 | 21.20 | 33.01 | PASS |
| Band38 | 15 | 38175 | 36 | #Max | QPSK  | 19.86 | 1.3 | 21.16 | 33.01 | PASS |
| Band38 | 15 | 38175 | 75 | #0   | QPSK  | 19.90 | 1.3 | 21.20 | 33.01 | PASS |
| Band38 | 15 | 38175 | 1  | #0   | QAM64 | 20.22 | 1.3 | 21.52 | 33.01 | PASS |
| Band38 | 15 | 38175 | 1  | #Mid | QAM64 | 20.05 | 1.3 | 21.35 | 33.01 | PASS |
| Band38 | 15 | 38175 | 1  | #Max | QAM64 | 20.02 | 1.3 | 21.32 | 33.01 | PASS |
| Band38 | 15 | 38175 | 36 | #0   | QAM64 | 19.04 | 1.3 | 20.34 | 33.01 | PASS |
| Band38 | 15 | 38175 | 36 | #Mid | QAM64 | 19.05 | 1.3 | 20.35 | 33.01 | PASS |
| Band38 | 15 | 38175 | 36 | #Max | QAM64 | 18.94 | 1.3 | 20.24 | 33.01 | PASS |

|        |    |       |     |      |       |       |     |       |       |      |
|--------|----|-------|-----|------|-------|-------|-----|-------|-------|------|
| Band38 | 15 | 38175 | 75  | #0   | QAM64 | 19.01 | 1.3 | 20.31 | 33.01 | PASS |
| Band38 | 20 | 37850 | 1   | #0   | QPSK  | 21.17 | 1.3 | 22.47 | 33.01 | PASS |
| Band38 | 20 | 37850 | 1   | #Mid | QPSK  | 21.06 | 1.3 | 22.36 | 33.01 | PASS |
| Band38 | 20 | 37850 | 1   | #Max | QPSK  | 21.12 | 1.3 | 22.42 | 33.01 | PASS |
| Band38 | 20 | 37850 | 50  | #0   | QPSK  | 20.20 | 1.3 | 21.50 | 33.01 | PASS |
| Band38 | 20 | 37850 | 50  | #Mid | QPSK  | 20.03 | 1.3 | 21.33 | 33.01 | PASS |
| Band38 | 20 | 37850 | 50  | #Max | QPSK  | 20.09 | 1.3 | 21.39 | 33.01 | PASS |
| Band38 | 20 | 37850 | 100 | #0   | QPSK  | 20.09 | 1.3 | 21.39 | 33.01 | PASS |
| Band38 | 20 | 37850 | 1   | #0   | QAM64 | 20.20 | 1.3 | 21.50 | 33.01 | PASS |
| Band38 | 20 | 37850 | 1   | #Mid | QAM64 | 20.14 | 1.3 | 21.44 | 33.01 | PASS |
| Band38 | 20 | 37850 | 1   | #Max | QAM64 | 20.11 | 1.3 | 21.41 | 33.01 | PASS |
| Band38 | 20 | 37850 | 50  | #0   | QAM64 | 19.54 | 1.3 | 20.84 | 33.01 | PASS |
| Band38 | 20 | 37850 | 50  | #Mid | QAM64 | 19.33 | 1.3 | 20.63 | 33.01 | PASS |
| Band38 | 20 | 37850 | 50  | #Max | QAM64 | 19.46 | 1.3 | 20.76 | 33.01 | PASS |
| Band38 | 20 | 37850 | 100 | #0   | QAM64 | 19.23 | 1.3 | 20.53 | 33.01 | PASS |
| Band38 | 20 | 38000 | 1   | #0   | QPSK  | 21.15 | 1.3 | 22.45 | 33.01 | PASS |
| Band38 | 20 | 38000 | 1   | #Mid | QPSK  | 21.30 | 1.3 | 22.60 | 33.01 | PASS |
| Band38 | 20 | 38000 | 1   | #Max | QPSK  | 21.24 | 1.3 | 22.54 | 33.01 | PASS |
| Band38 | 20 | 38000 | 50  | #0   | QPSK  | 20.04 | 1.3 | 21.34 | 33.01 | PASS |
| Band38 | 20 | 38000 | 50  | #Mid | QPSK  | 20.06 | 1.3 | 21.36 | 33.01 | PASS |
| Band38 | 20 | 38000 | 50  | #Max | QPSK  | 20.13 | 1.3 | 21.43 | 33.01 | PASS |
| Band38 | 20 | 38000 | 100 | #0   | QPSK  | 20.05 | 1.3 | 21.35 | 33.01 | PASS |
| Band38 | 20 | 38000 | 1   | #0   | QAM64 | 20.06 | 1.3 | 21.36 | 33.01 | PASS |
| Band38 | 20 | 38000 | 1   | #Mid | QAM64 | 19.91 | 1.3 | 21.21 | 33.01 | PASS |
| Band38 | 20 | 38000 | 1   | #Max | QAM64 | 19.99 | 1.3 | 21.29 | 33.01 | PASS |
| Band38 | 20 | 38000 | 50  | #0   | QAM64 | 19.28 | 1.3 | 20.58 | 33.01 | PASS |
| Band38 | 20 | 38000 | 50  | #Mid | QAM64 | 19.17 | 1.3 | 20.47 | 33.01 | PASS |
| Band38 | 20 | 38000 | 50  | #Max | QAM64 | 19.20 | 1.3 | 20.50 | 33.01 | PASS |
| Band38 | 20 | 38000 | 100 | #0   | QAM64 | 19.12 | 1.3 | 20.42 | 33.01 | PASS |
| Band38 | 20 | 38150 | 1   | #0   | QPSK  | 21.29 | 1.3 | 22.59 | 33.01 | PASS |
| Band38 | 20 | 38150 | 1   | #Mid | QPSK  | 21.24 | 1.3 | 22.54 | 33.01 | PASS |
| Band38 | 20 | 38150 | 1   | #Max | QPSK  | 21.20 | 1.3 | 22.50 | 33.01 | PASS |
| Band38 | 20 | 38150 | 50  | #0   | QPSK  | 20.11 | 1.3 | 21.41 | 33.01 | PASS |
| Band38 | 20 | 38150 | 50  | #Mid | QPSK  | 19.89 | 1.3 | 21.19 | 33.01 | PASS |
| Band38 | 20 | 38150 | 50  | #Max | QPSK  | 19.95 | 1.3 | 21.25 | 33.01 | PASS |
| Band38 | 20 | 38150 | 100 | #0   | QPSK  | 20.00 | 1.3 | 21.30 | 33.01 | PASS |
| Band38 | 20 | 38150 | 1   | #0   | QAM64 | 20.74 | 1.3 | 22.04 | 33.01 | PASS |
| Band38 | 20 | 38150 | 1   | #Mid | QAM64 | 20.66 | 1.3 | 21.96 | 33.01 | PASS |
| Band38 | 20 | 38150 | 1   | #Max | QAM64 | 20.70 | 1.3 | 22.00 | 33.01 | PASS |
| Band38 | 20 | 38150 | 50  | #0   | QAM64 | 19.08 | 1.3 | 20.38 | 33.01 | PASS |
| Band38 | 20 | 38150 | 50  | #Mid | QAM64 | 19.07 | 1.3 | 20.37 | 33.01 | PASS |
| Band38 | 20 | 38150 | 50  | #Max | QAM64 | 18.99 | 1.3 | 20.29 | 33.01 | PASS |
| Band38 | 20 | 38150 | 100 | #0   | QAM64 | 18.93 | 1.3 | 20.23 | 33.01 | 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> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|-------------------|-------------------------|--------------------------------|---------------------------------|----------------|
| Band38      | 20                         | 37850                 | 100                | #0                     | QPSK              | 41.29             | 0.01600                 | -2.5                           | 2.5                             | PASS           |
| Band38      | 20                         | 37850                 | 100                | #0                     | QAM64             | 32.64             | 0.01265                 | -2.5                           | 2.5                             | PASS           |
| Band38      | 20                         | 38000                 | 100                | #0                     | QPSK              | -18.38            | -0.00708                | -2.5                           | 2.5                             | PASS           |
| Band38      | 20                         | 38000                 | 100                | #0                     | QAM64             | -15.22            | -0.00587                | -2.5                           | 2.5                             | PASS           |
| Band38      | 20                         | 38150                 | 100                | #0                     | QPSK              | -11.41            | -0.00437                | -2.5                           | 2.5                             | PASS           |
| Band38      | 20                         | 38150                 | 100                | #0                     | QAM64             | -13.18            | -0.00505                | -2.5                           | 2.5                             | PASS           |

### 3 Peak-to-Average Ratio

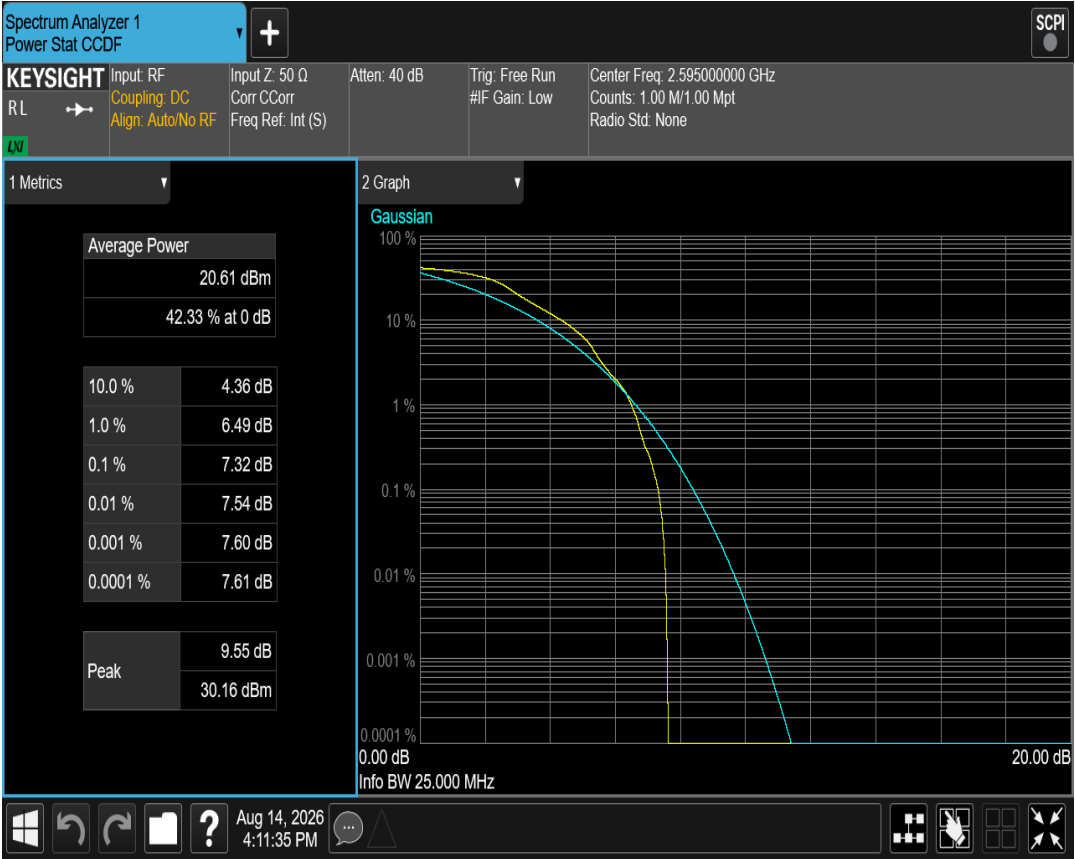
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high<br>Limit<br>(dB) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|-----------------------|---------|
| Band38 | 5                  | 38000         | 1          | #0             | QPSK       | 8.53           | 13                    | PASS    |
| Band38 | 5                  | 38000         | 1          | #0             | QAM64      | 7.32           | 13                    | PASS    |
| Band38 | 10                 | 38000         | 1          | #0             | QPSK       | 10.14          | 13                    | PASS    |
| Band38 | 10                 | 38000         | 1          | #0             | QAM64      | 8.95           | 13                    | PASS    |
| Band38 | 15                 | 38000         | 1          | #0             | QPSK       | 10.39          | 13                    | PASS    |
| Band38 | 15                 | 38000         | 1          | #0             | QAM64      | 8.81           | 13                    | PASS    |
| Band38 | 20                 | 38000         | 1          | #0             | QPSK       | 8.44           | 13                    | PASS    |
| Band38 | 20                 | 38000         | 1          | #0             | QAM64      | 8.59           | 13                    | PASS    |

**Band38 QAM64 BW=10MHz Channel=38000 RB Size=1 Position=#0**

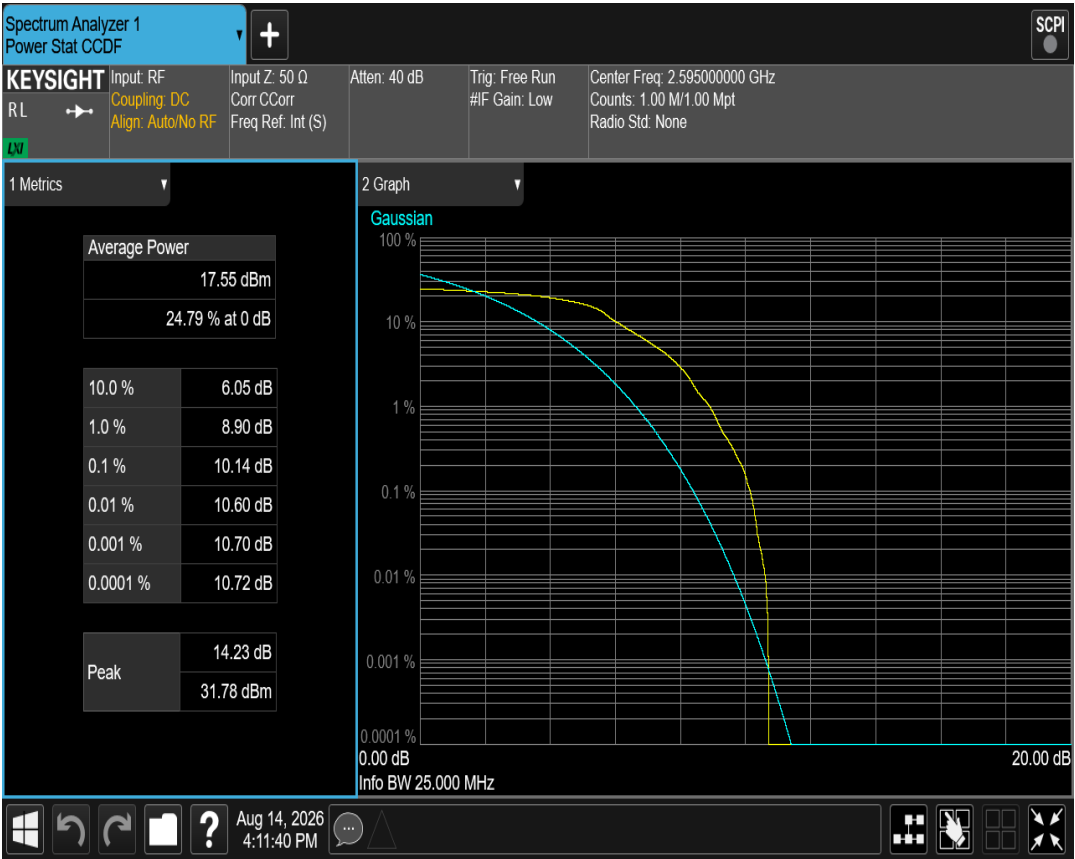


**Band38 QAM64 BW=15MHz Channel=38000 RB Size=1 Position=#0**

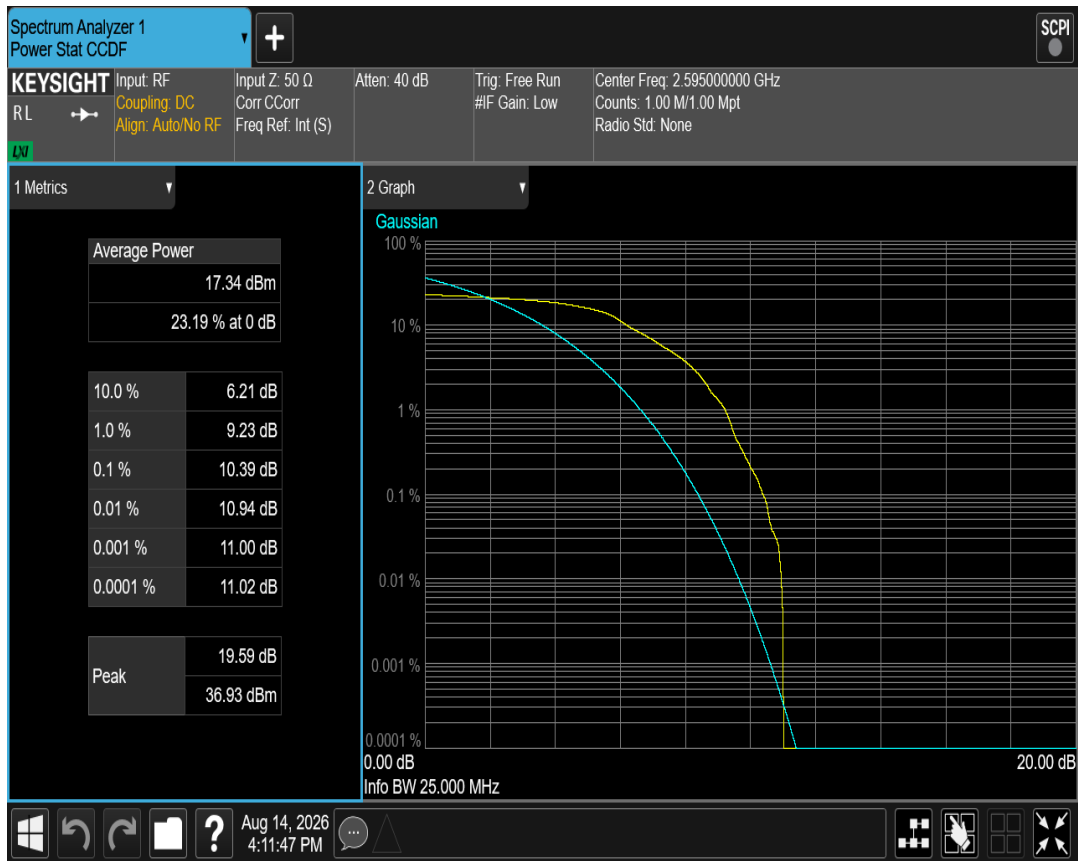
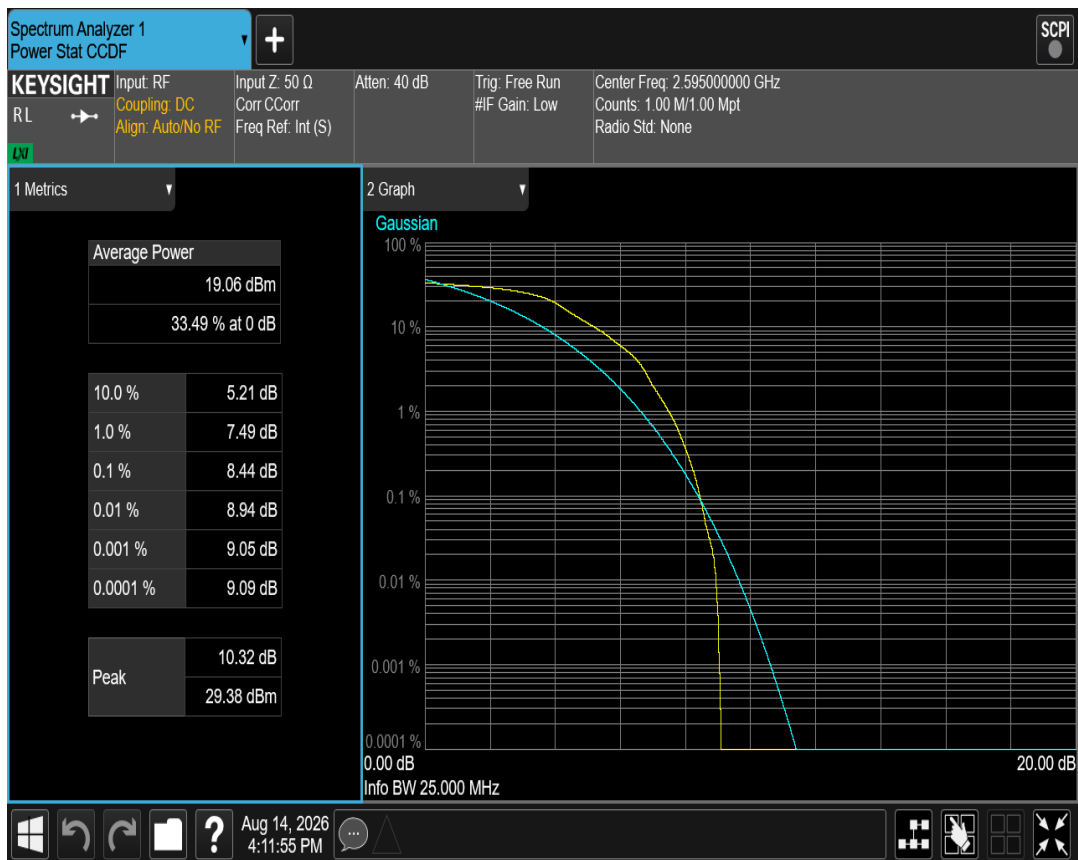
**Band38 QAM64 BW=20MHz Channel=38000 RB Size=1 Position=#0****Band38 QAM64 BW=5MHz Channel=38000 RB Size=1 Position=#0**

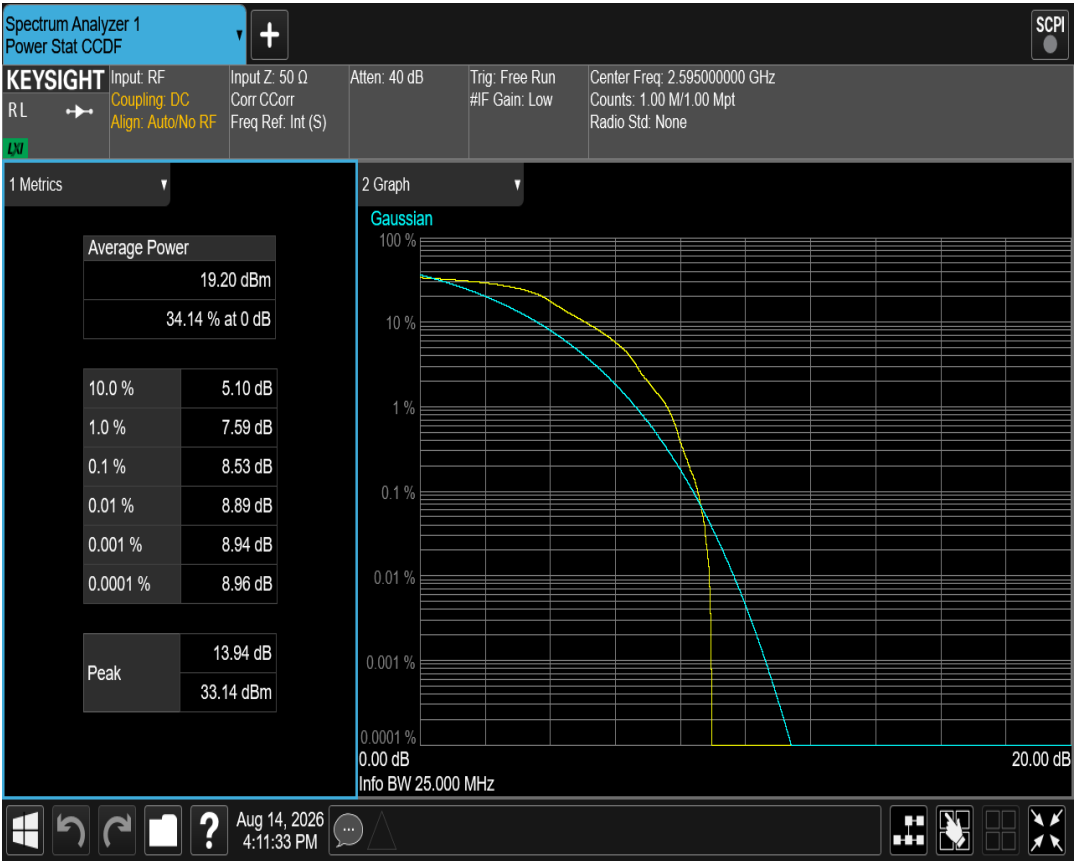


Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0

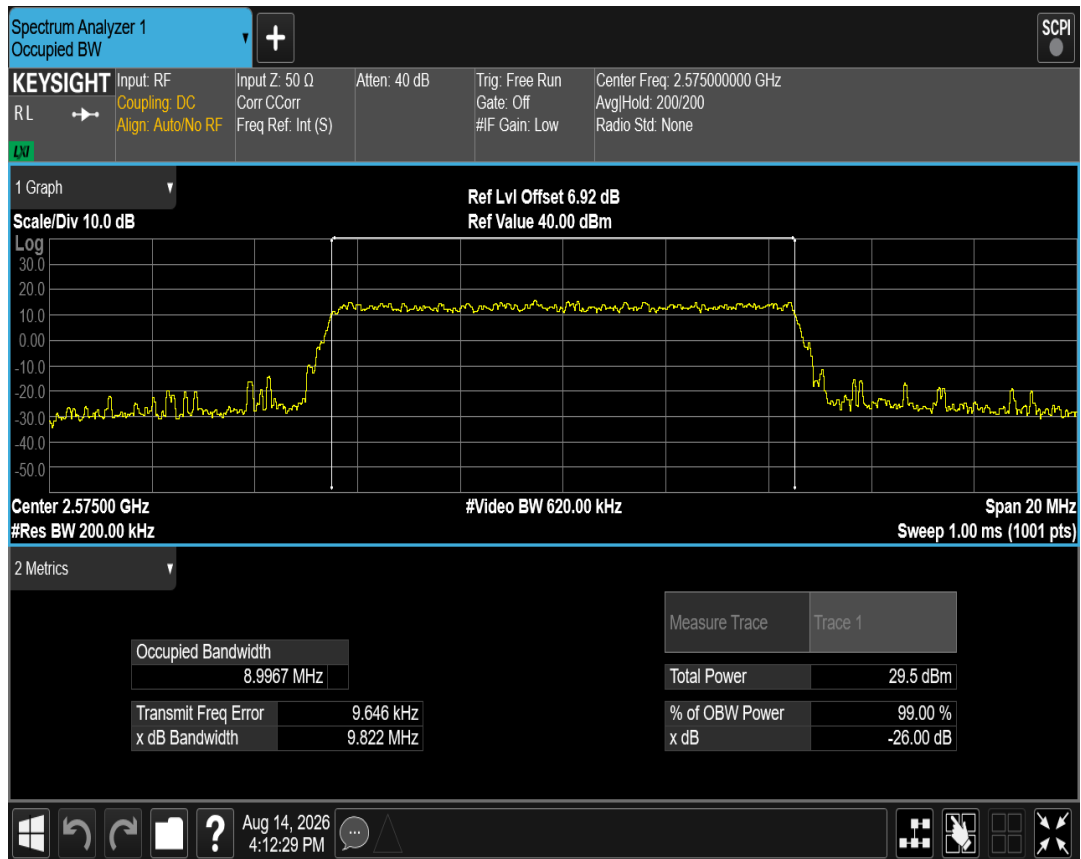
**Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0****Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0**



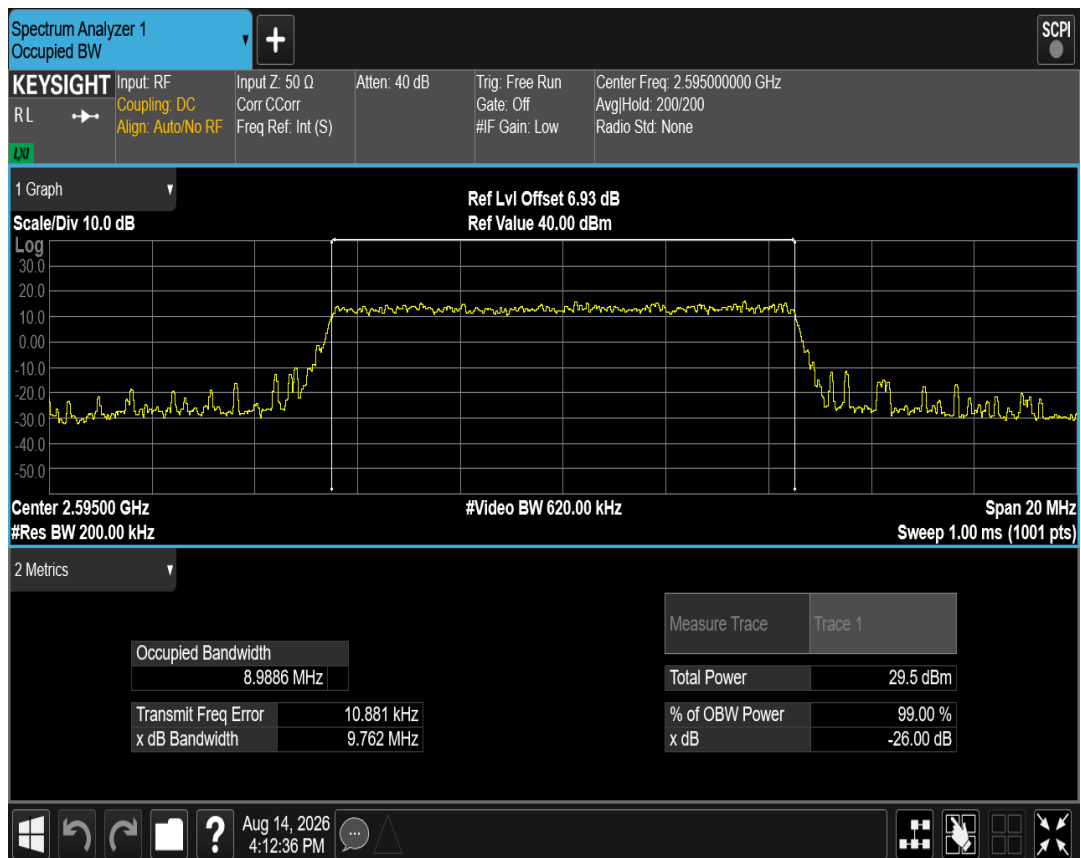
## 4 Occupied bandwidth

| <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%<br/>OBW<br/>(MHz)</i> | <i>-26dB<br/>EBW<br/>(MHz)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|------------------------------|--------------------------------|----------------|
| Band38      | 5                          | 37775                 | 25                 | #0                     | QPSK              | 4.491                        | 4.907                          | PASS           |
| Band38      | 5                          | 37775                 | 25                 | #0                     | QAM64             | 4.488                        | 4.954                          | PASS           |
| Band38      | 5                          | 38000                 | 25                 | #0                     | QPSK              | 4.505                        | 4.916                          | PASS           |
| Band38      | 5                          | 38000                 | 25                 | #0                     | QAM64             | 4.517                        | 4.923                          | PASS           |
| Band38      | 5                          | 38225                 | 25                 | #0                     | QPSK              | 4.512                        | 4.882                          | PASS           |
| Band38      | 5                          | 38225                 | 25                 | #0                     | QAM64             | 4.499                        | 4.843                          | PASS           |
| Band38      | 10                         | 37800                 | 50                 | #0                     | QPSK              | 8.998                        | 9.731                          | PASS           |
| Band38      | 10                         | 37800                 | 50                 | #0                     | QAM64             | 8.997                        | 9.822                          | PASS           |
| Band38      | 10                         | 38000                 | 50                 | #0                     | QPSK              | 8.996                        | 10.000                         | PASS           |
| Band38      | 10                         | 38000                 | 50                 | #0                     | QAM64             | 8.989                        | 9.762                          | PASS           |
| Band38      | 10                         | 38200                 | 50                 | #0                     | QPSK              | 8.994                        | 9.664                          | PASS           |
| Band38      | 10                         | 38200                 | 50                 | #0                     | QAM64             | 8.995                        | 9.840                          | PASS           |
| Band38      | 15                         | 37825                 | 75                 | #0                     | QPSK              | 13.465                       | 14.791                         | PASS           |
| Band38      | 15                         | 37825                 | 75                 | #0                     | QAM64             | 13.498                       | 14.691                         | PASS           |
| Band38      | 15                         | 38000                 | 75                 | #0                     | QPSK              | 13.446                       | 15.071                         | PASS           |
| Band38      | 15                         | 38000                 | 75                 | #0                     | QAM64             | 13.478                       | 14.877                         | PASS           |
| Band38      | 15                         | 38175                 | 75                 | #0                     | QPSK              | 13.500                       | 15.066                         | PASS           |
| Band38      | 15                         | 38175                 | 75                 | #0                     | QAM64             | 13.443                       | 15.030                         | PASS           |
| Band38      | 20                         | 37850                 | 100                | #0                     | QPSK              | 17.972                       | 19.194                         | PASS           |
| Band38      | 20                         | 37850                 | 100                | #0                     | QAM64             | 17.963                       | 19.587                         | PASS           |
| Band38      | 20                         | 38000                 | 100                | #0                     | QPSK              | 17.952                       | 19.502                         | PASS           |
| Band38      | 20                         | 38000                 | 100                | #0                     | QAM64             | 17.932                       | 19.399                         | PASS           |
| Band38      | 20                         | 38150                 | 100                | #0                     | QPSK              | 17.973                       | 19.507                         | PASS           |
| Band38      | 20                         | 38150                 | 100                | #0                     | QAM64             | 17.998                       | 19.633                         | PASS           |

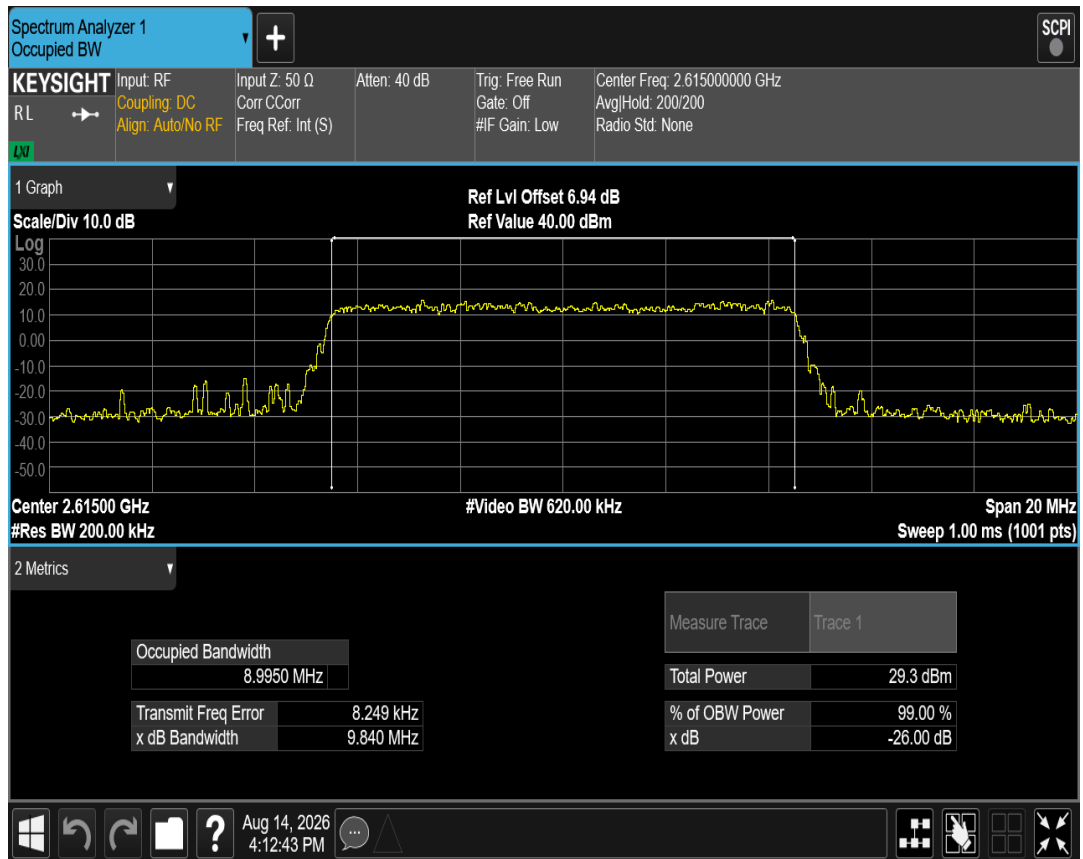
**Band38 QAM64 BW=10MHz Channel=37800 RB Size=50 Position=#0**



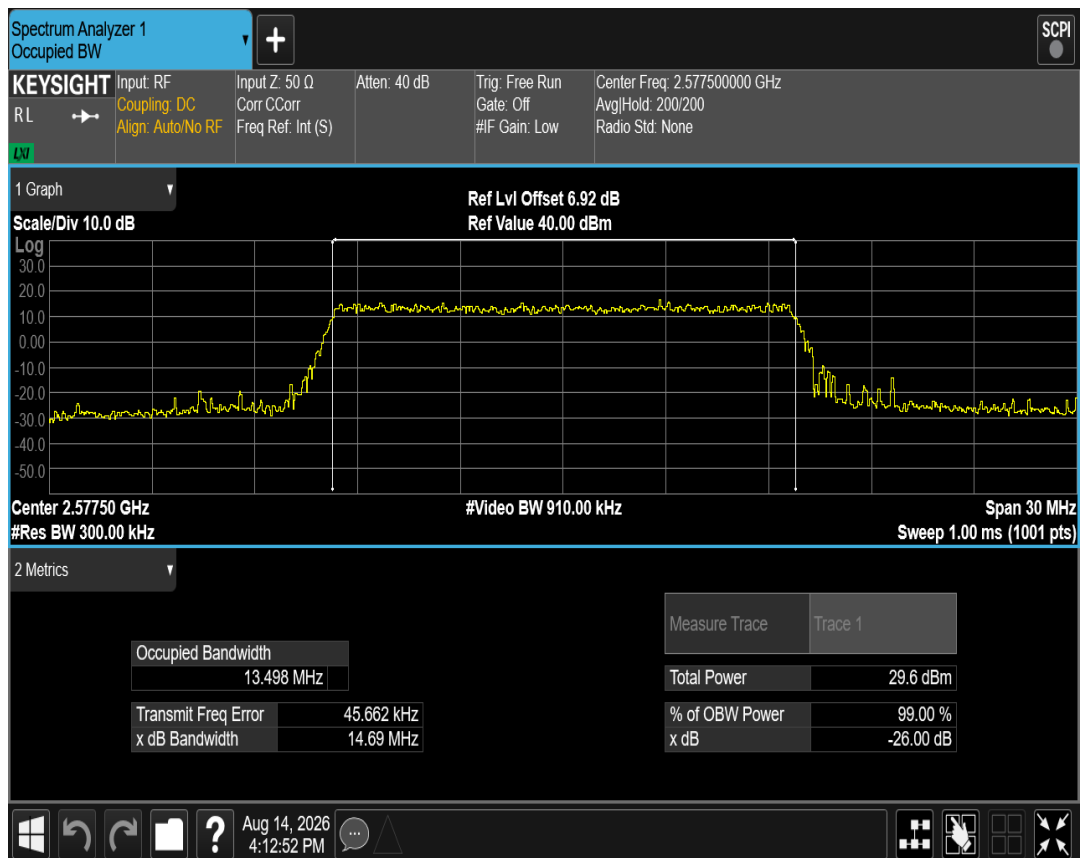
Band38 QAM64 BW=10MHz Channel=38000 RB Size=50 Position=#0



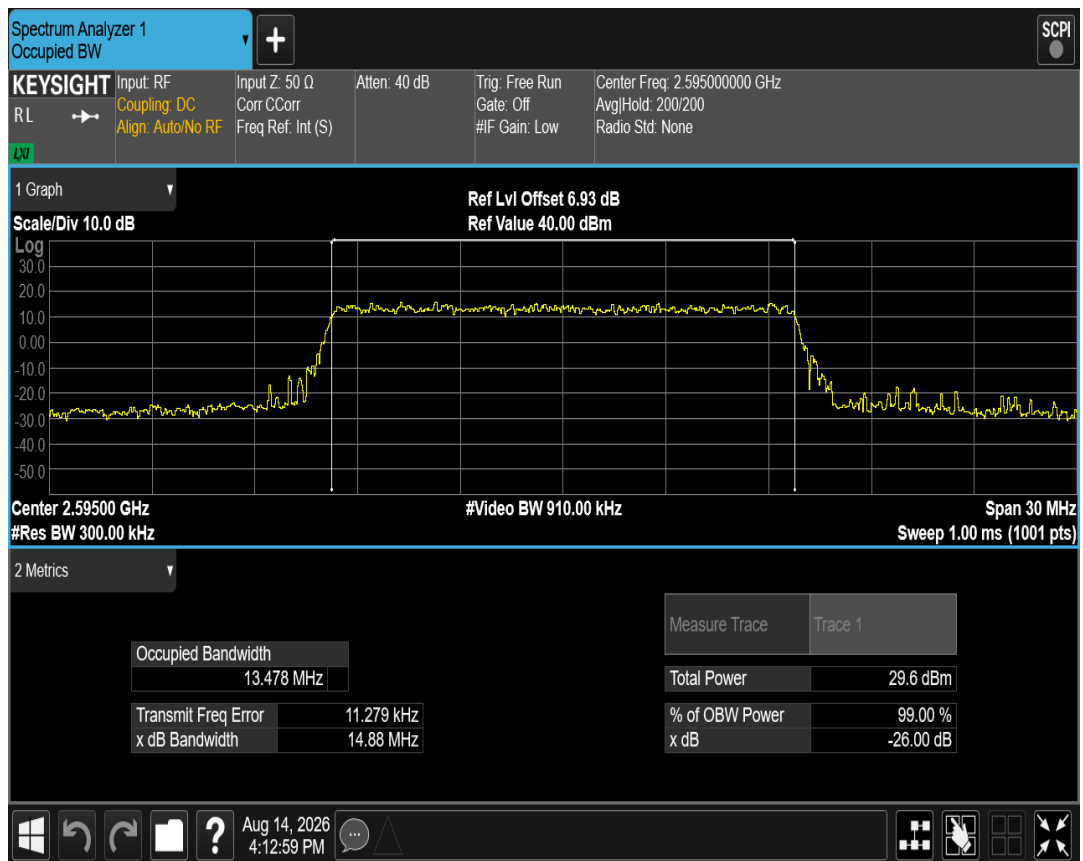
Band38 QAM64 BW=10MHz Channel=38200 RB Size=50 Position=#0



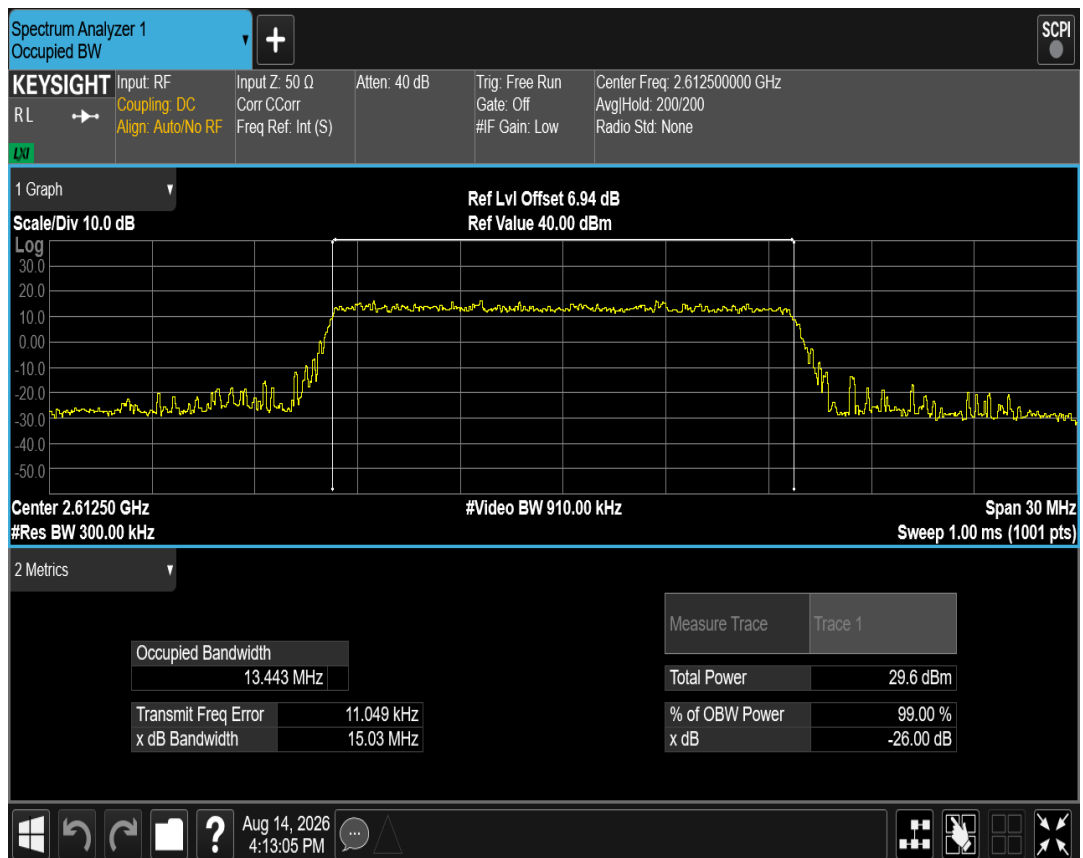
Band38 QAM64 BW=15MHz Channel=37825 RB Size=75 Position=#0



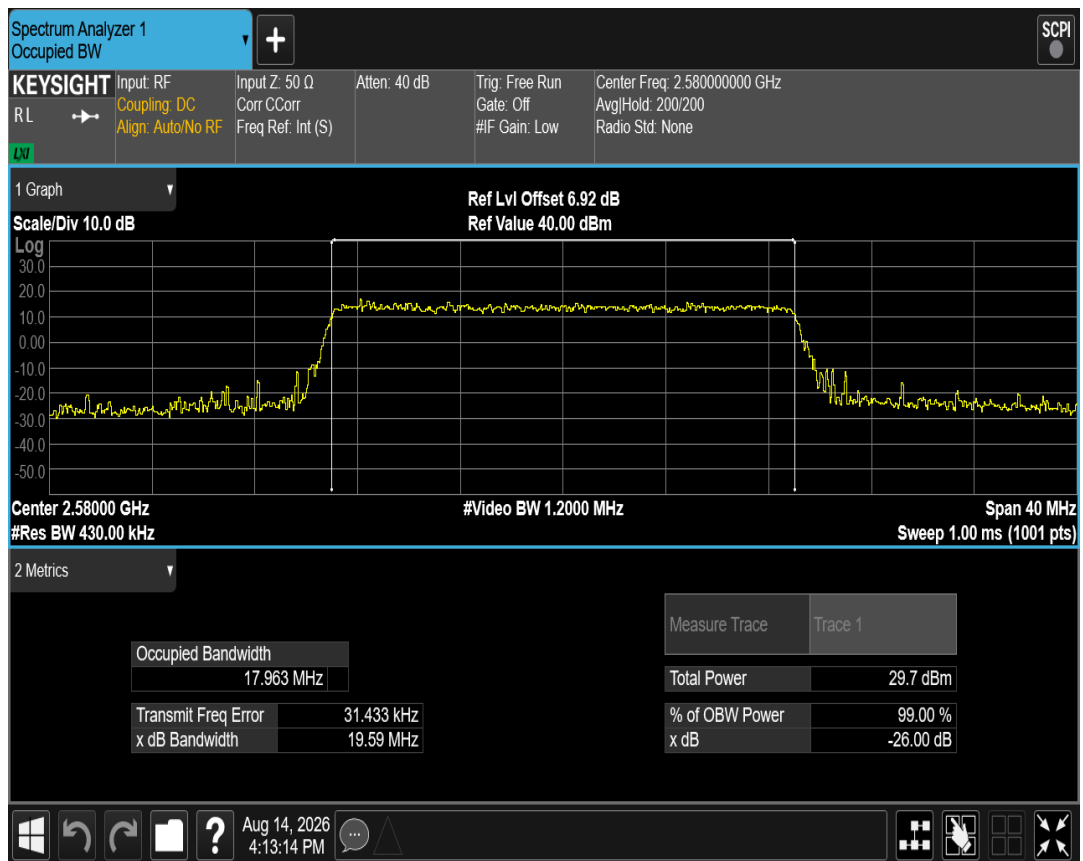
Band38 QAM64 BW=15MHz Channel=38000 RB Size=75 Position=#0



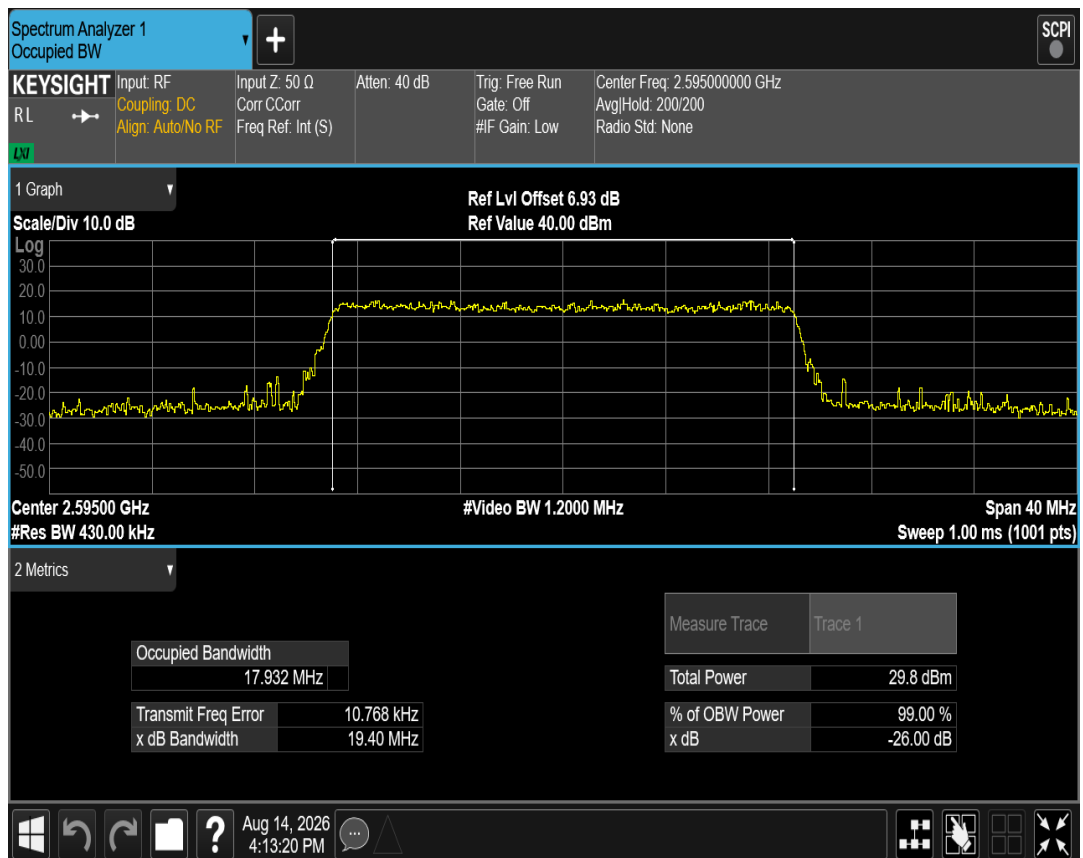
Band38 QAM64 BW=15MHz Channel=38175 RB Size=75 Position=#0



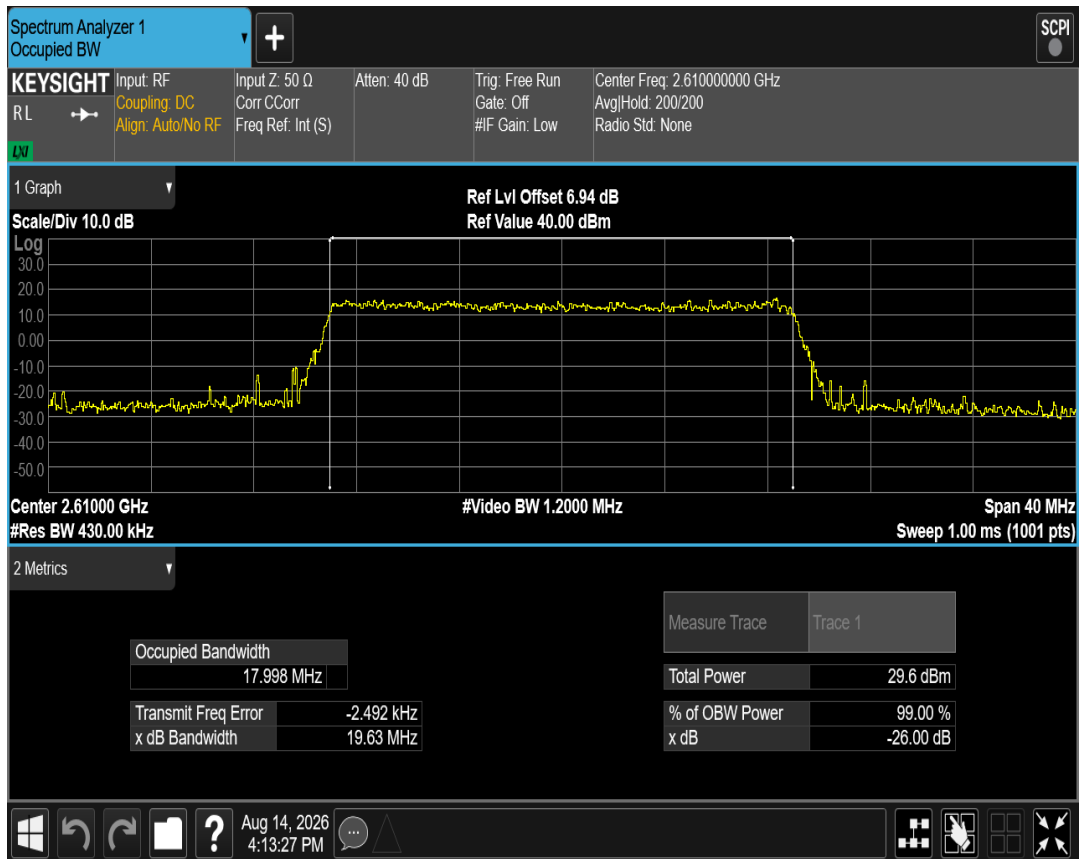
Band38 QAM64 BW=20MHz Channel=37850 RB Size=100 Position=#0



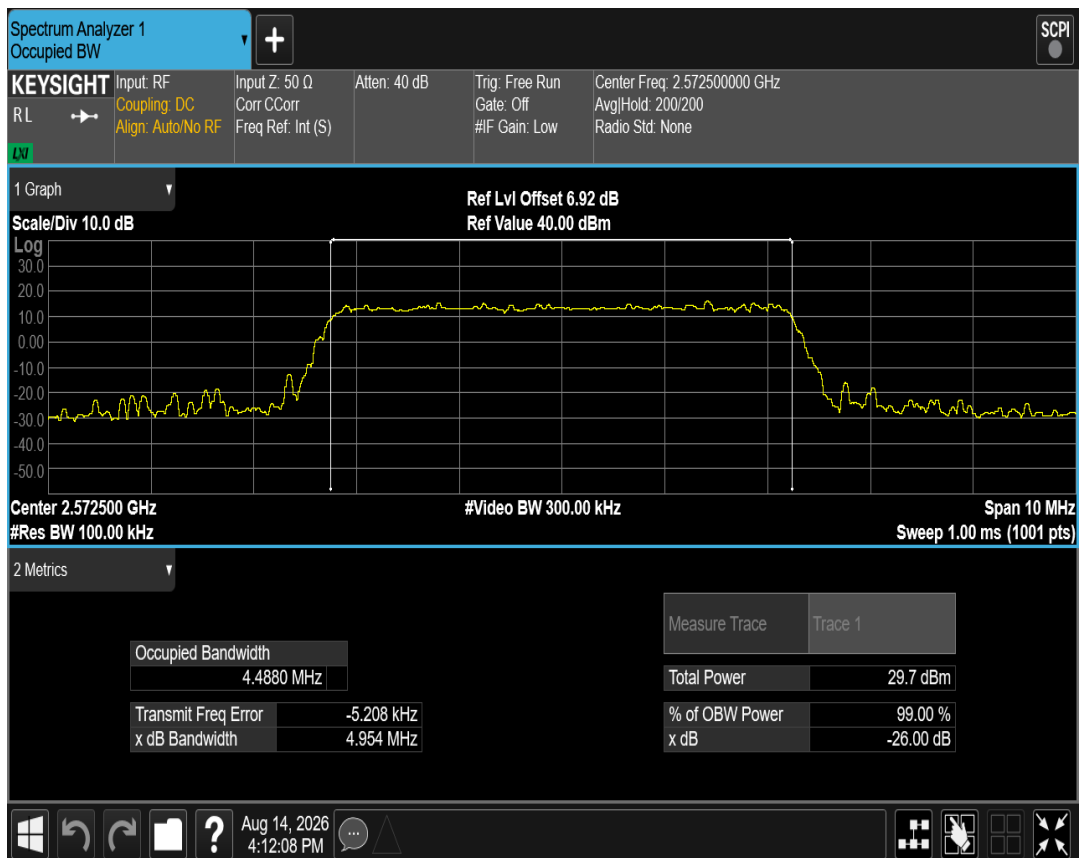
Band38 QAM64 BW=20MHz Channel=38000 RB Size=100 Position=#0



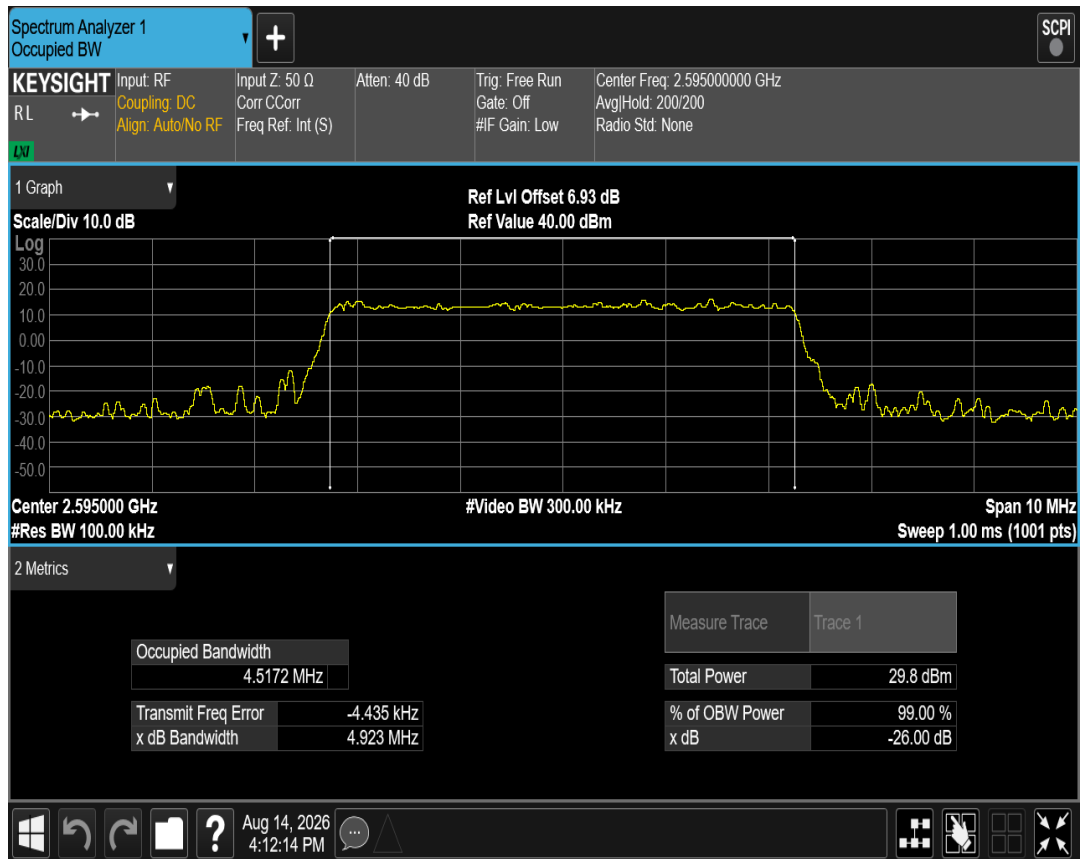
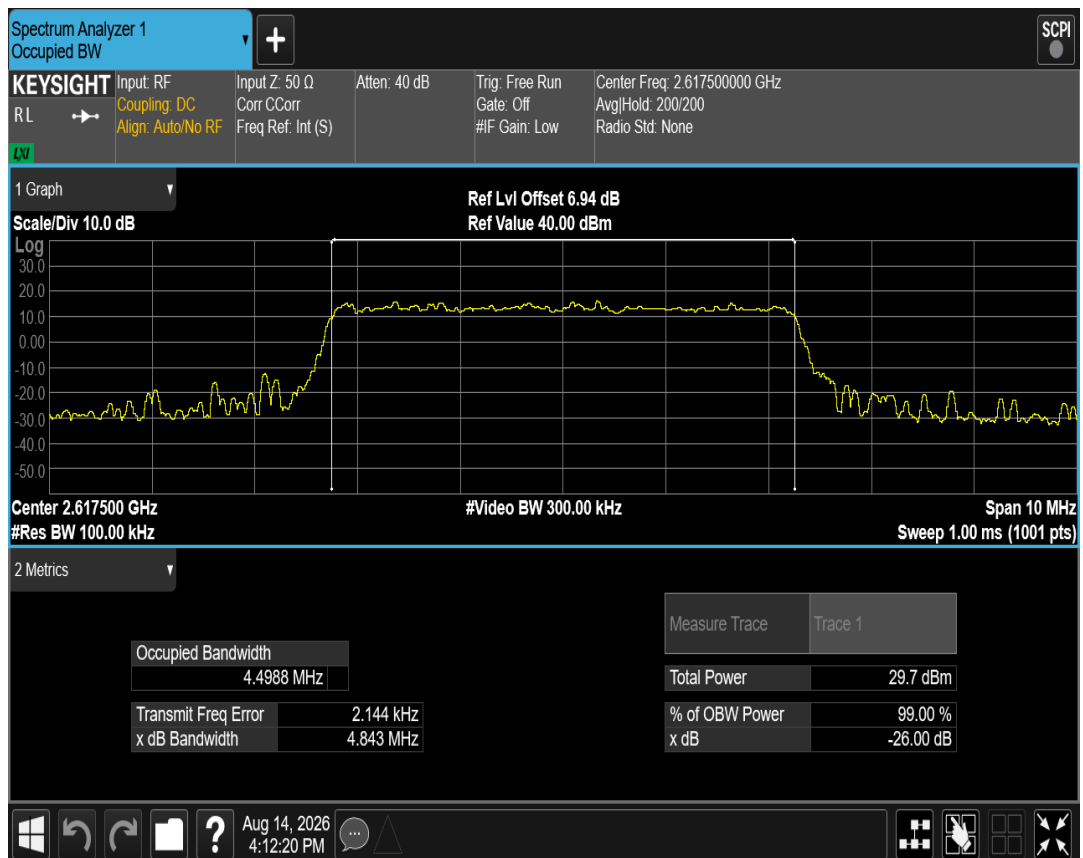
Band38 QAM64 BW=20MHz Channel=38150 RB Size=100 Position=#0

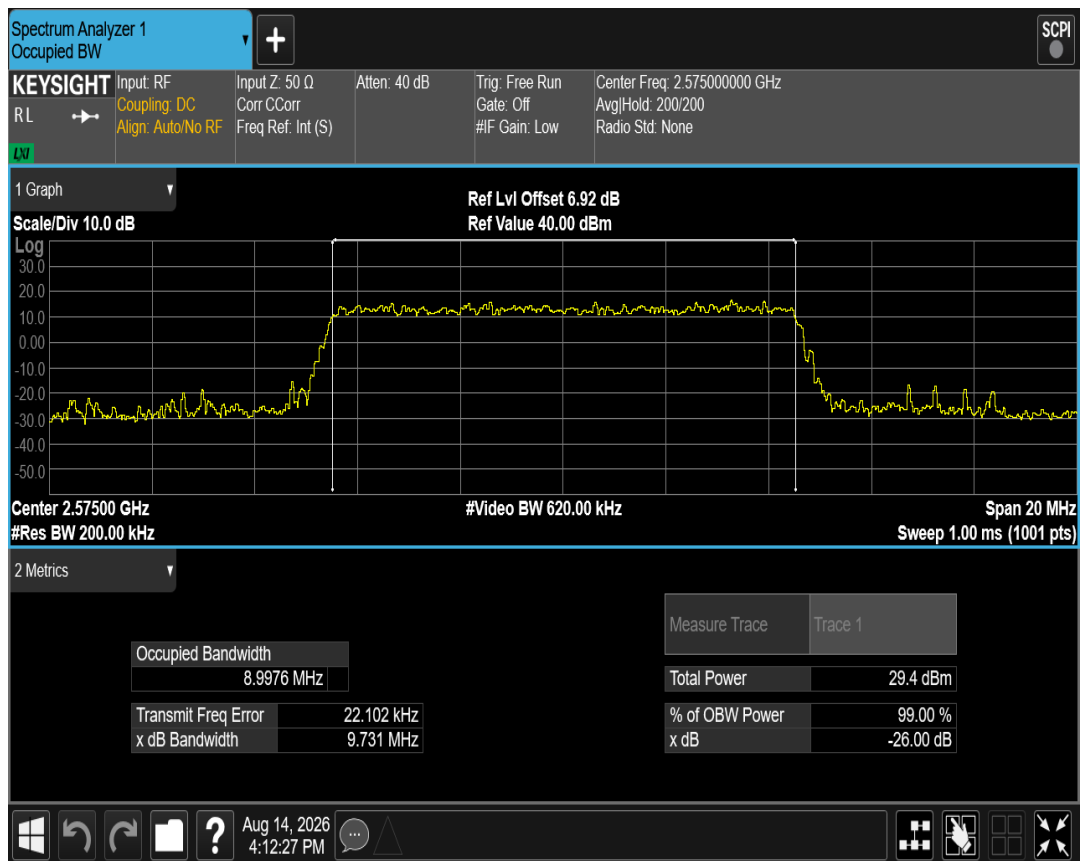
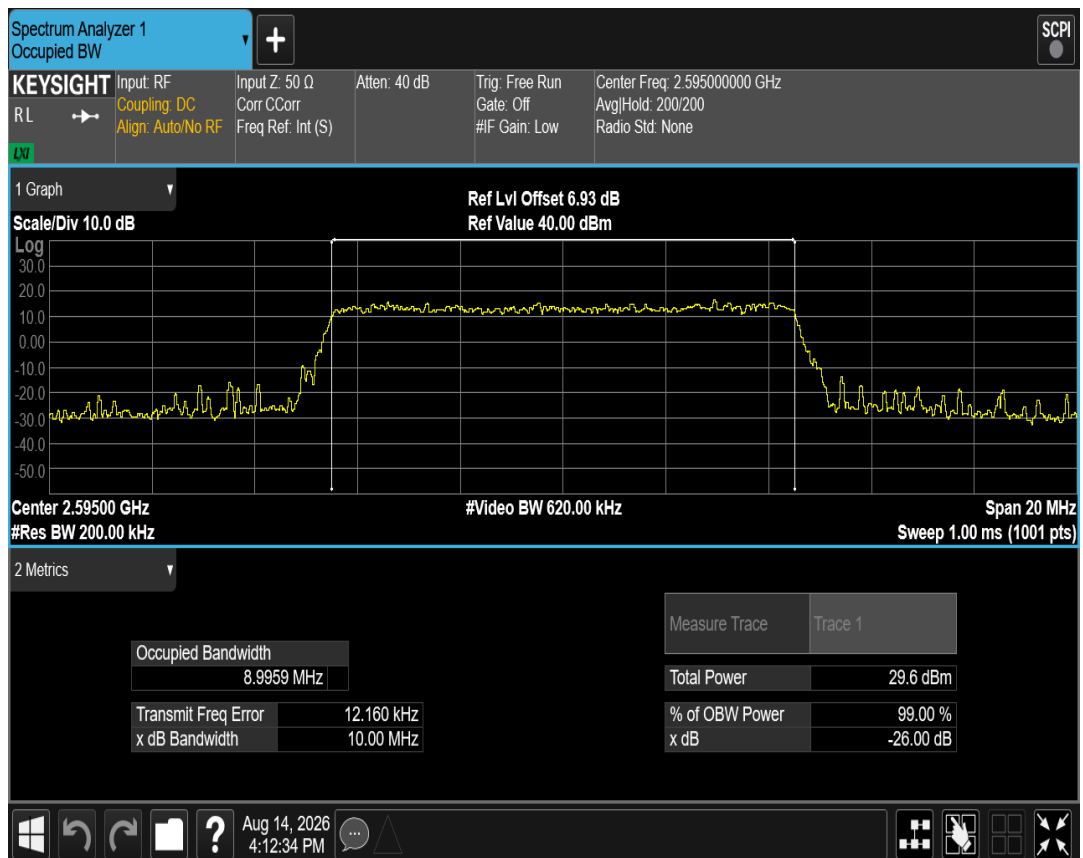


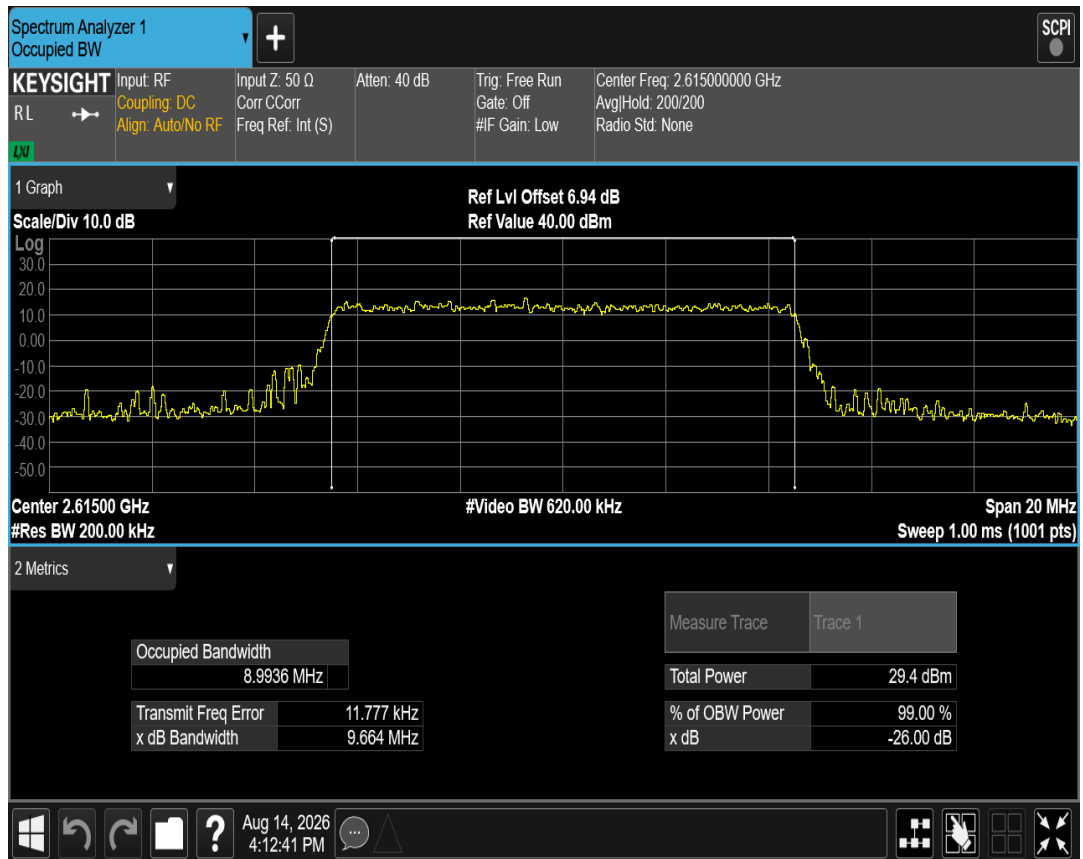
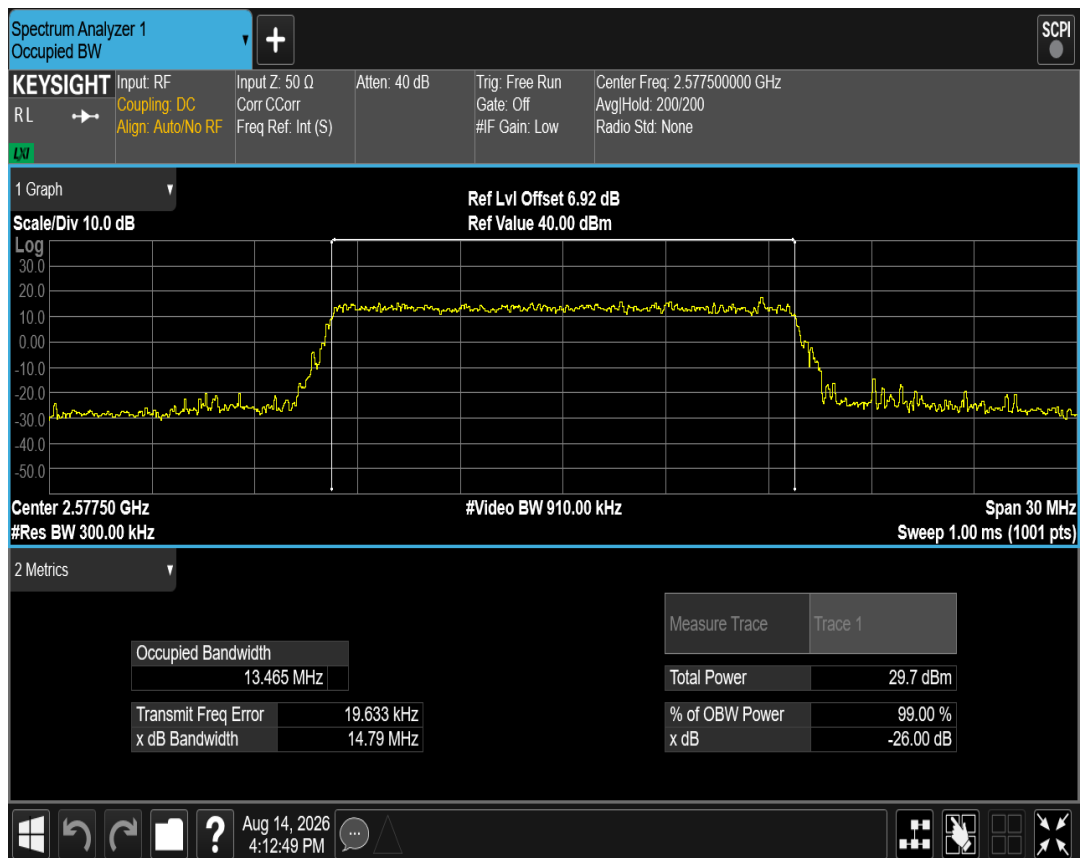
Band38 QAM64 BW=5MHz Channel=37775 RB Size=25 Position=#0

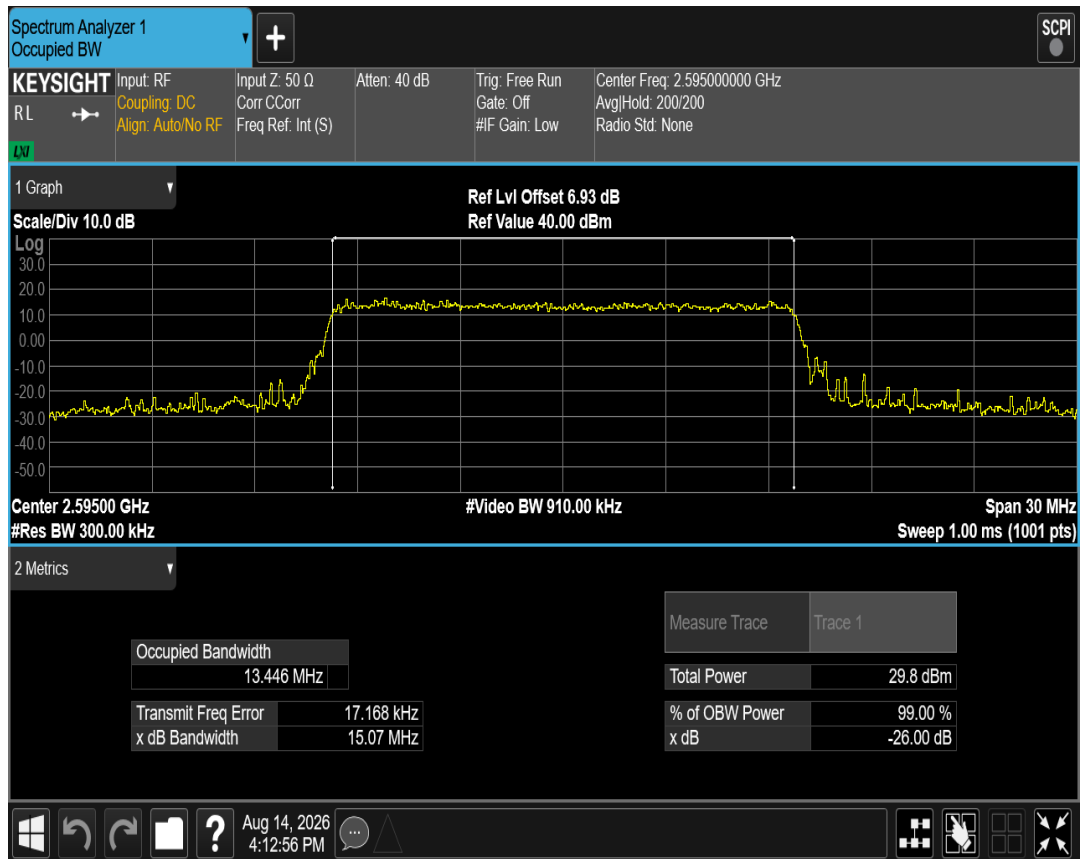
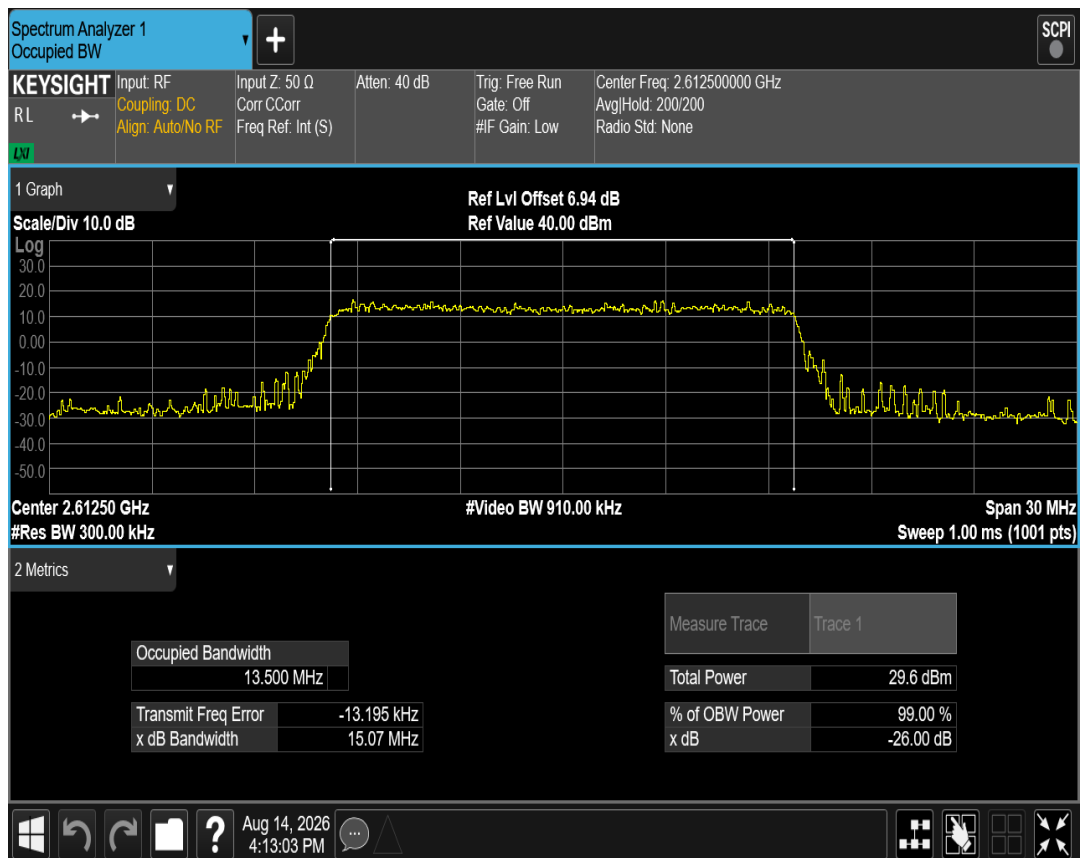


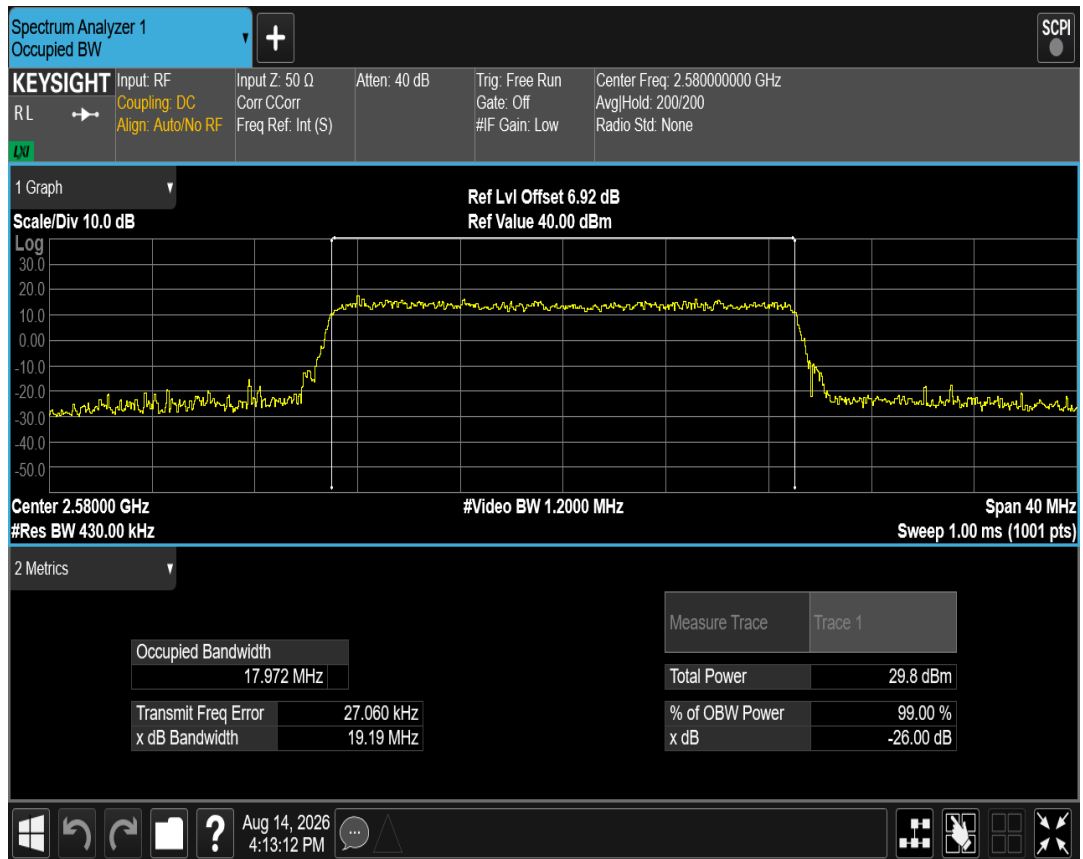
Band38 QAM64 BW=5MHz Channel=38000 RB Size=25 Position=#0

**Band38 QAM64 BW=5MHz Channel=38225 RB Size=25 Position=#0****Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0**

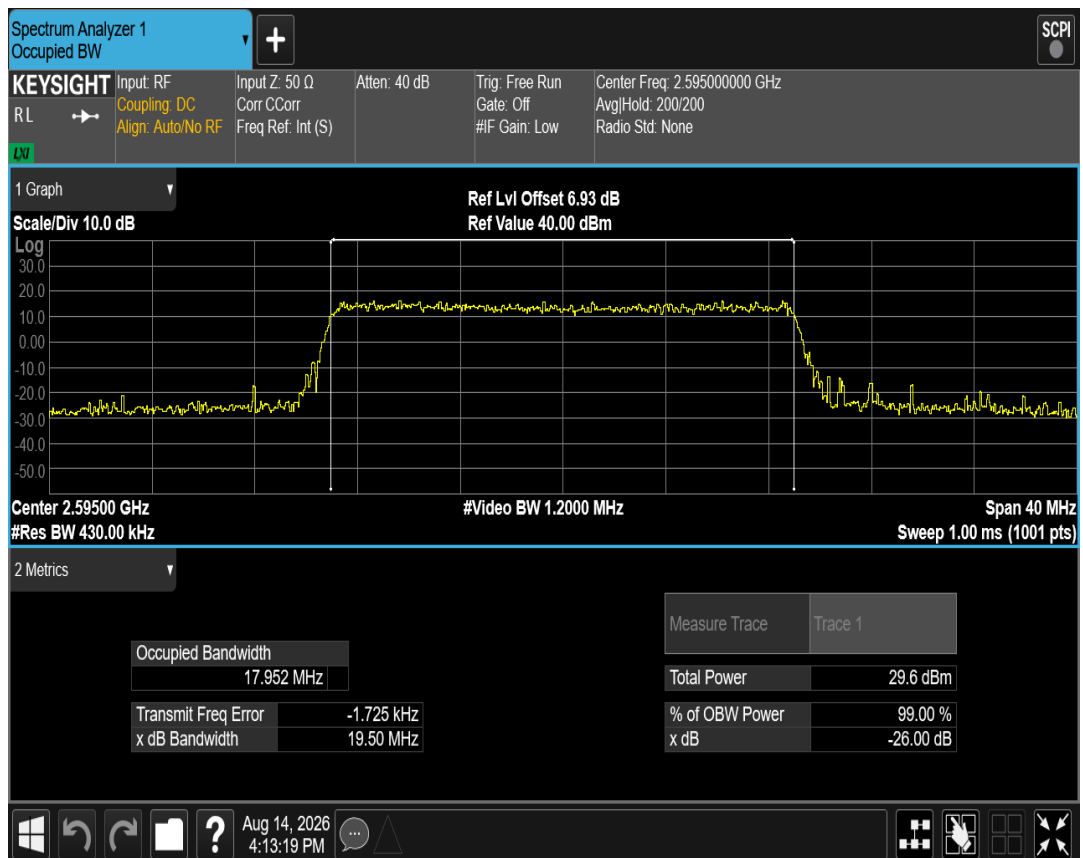
**Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0****Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0**

**Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0****Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0**

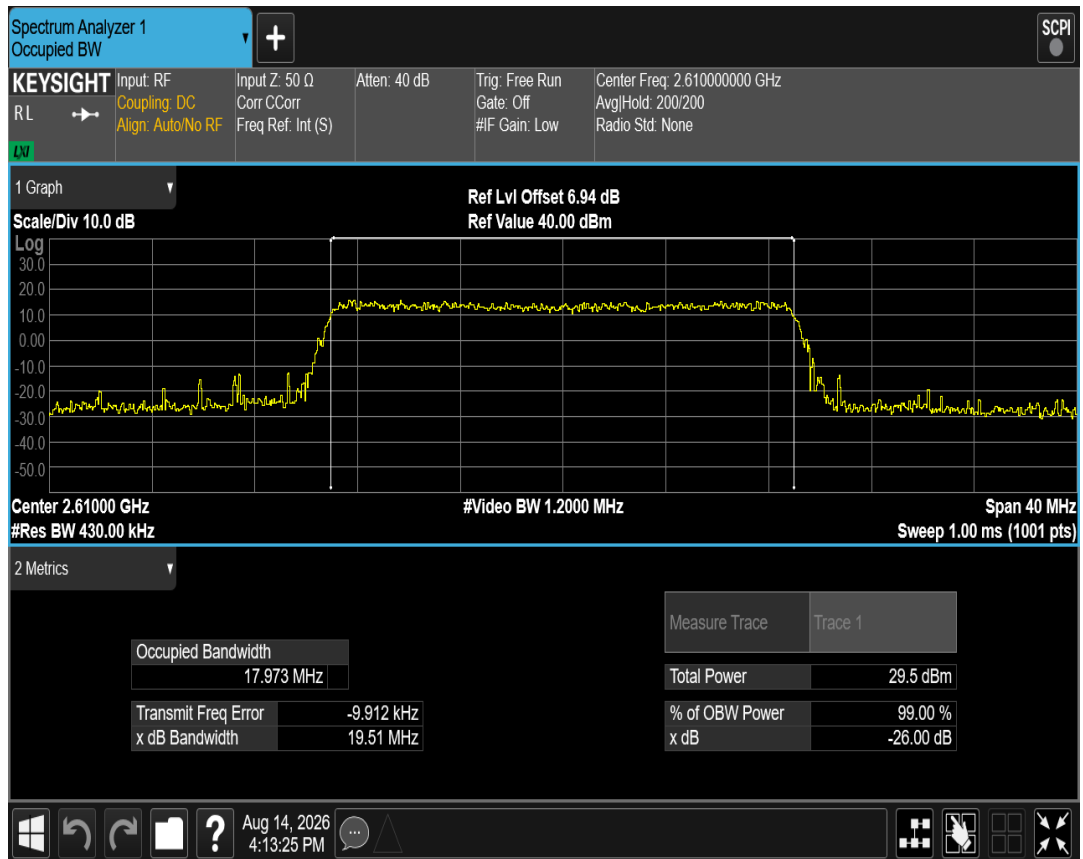
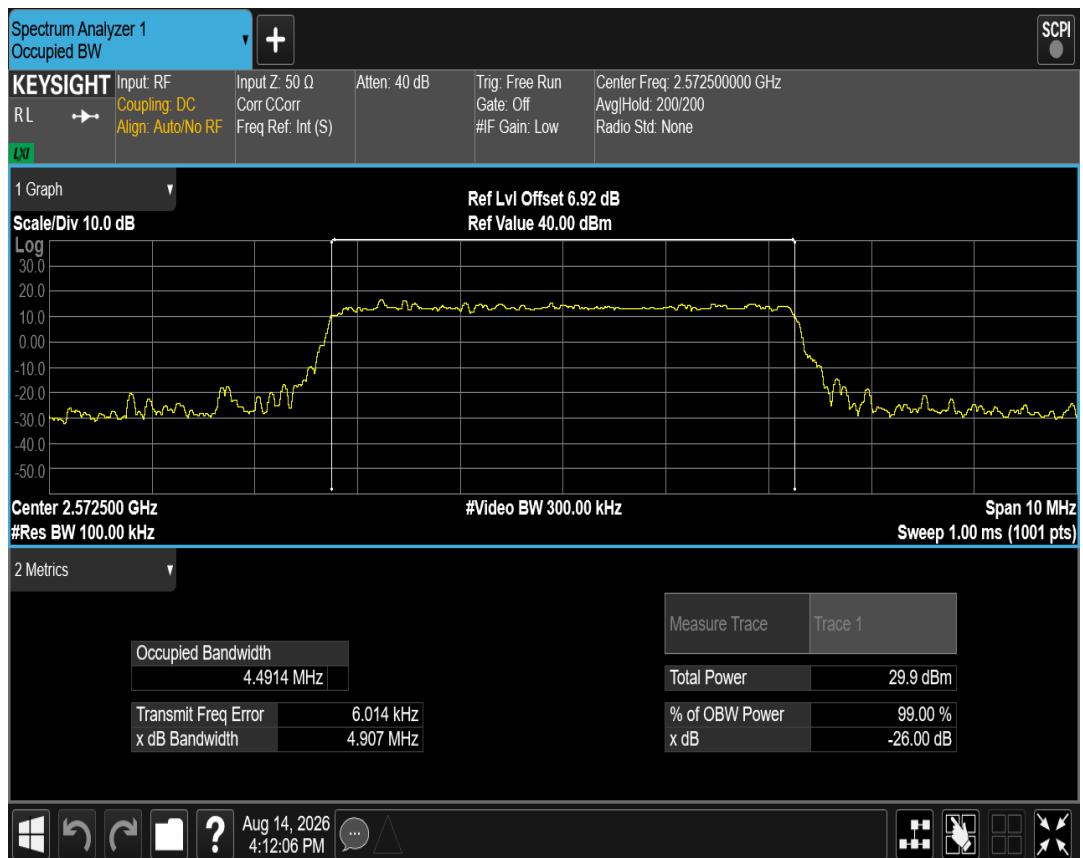
**Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0****Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0**

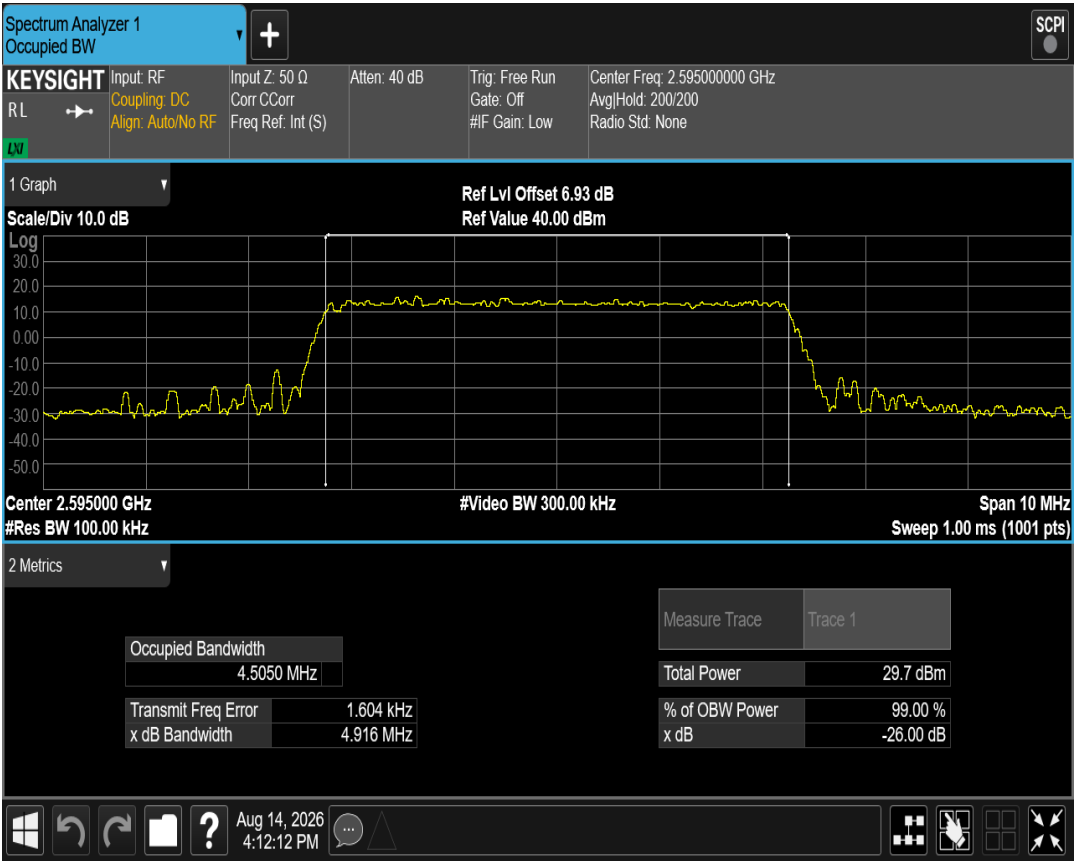


Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0

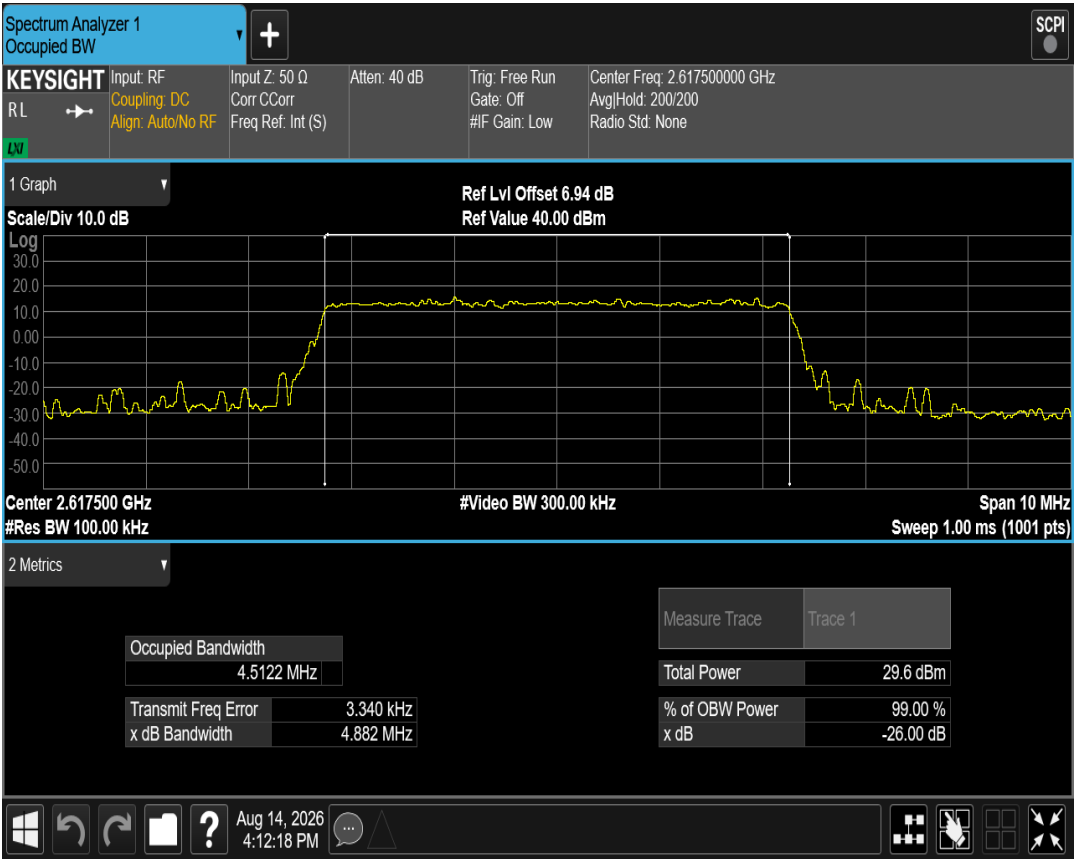


Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

**Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0****Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0**



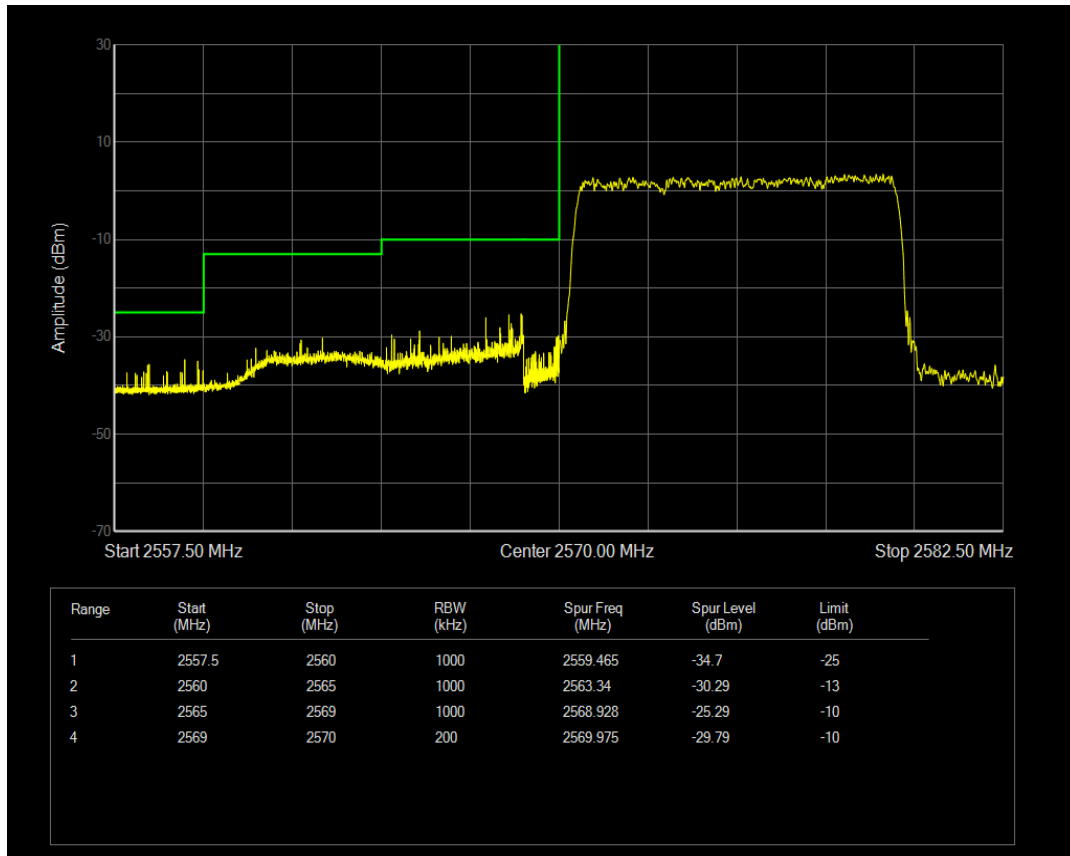
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



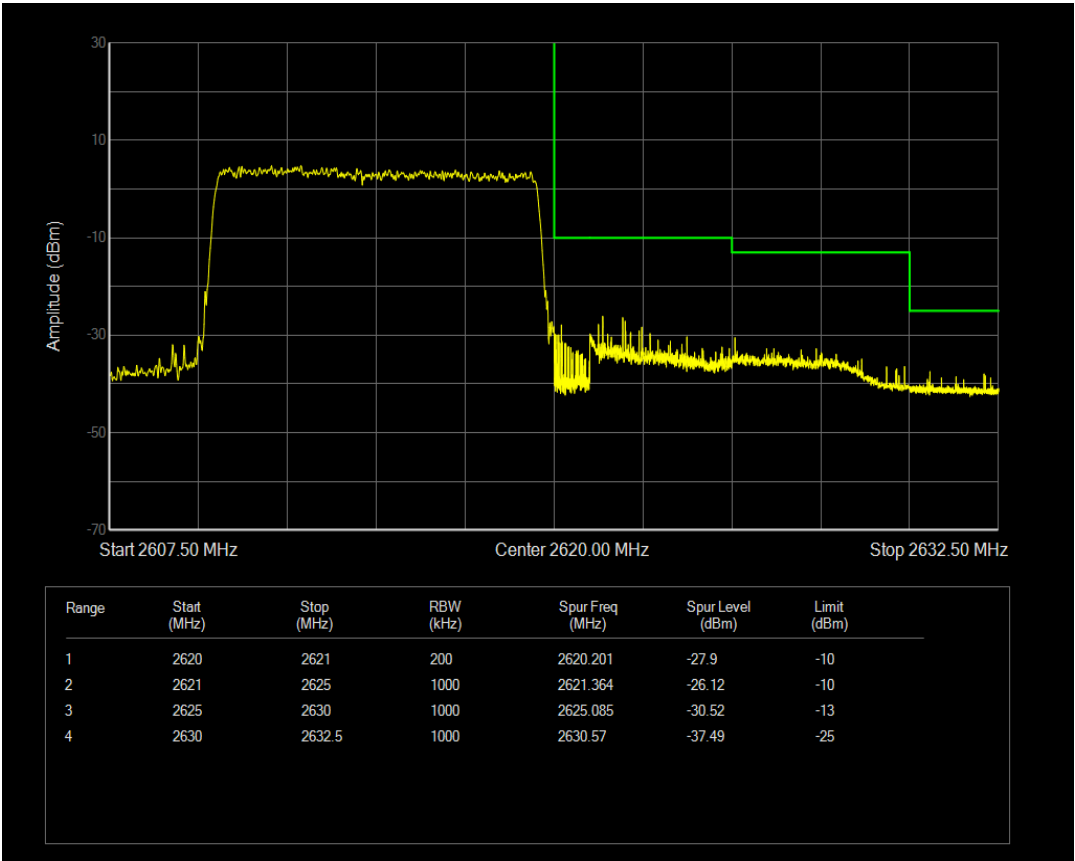
## 5 Band edge

| 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 |
|--------|--------------------|---------------|------------|----------------|------------|-----------------------|------------------------|----------------|---------|
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | 2568.98               | -17.18                 | -10            | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QAM64      | 2569.00               | -17.62                 | -10            | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | 2627.57               | -32.85                 | -25            | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QAM64      | 2621.03               | -17.59                 | -10            | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QPSK       | 2557.59               | -35.51                 | -25            | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QAM64      | 2559.47               | -34.70                 | -25            | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QPSK       | 2631.10               | -36.43                 | -25            | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QAM64      | 2630.57               | -37.49                 | -25            | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QPSK       | 2554.96               | -38.33                 | -25            | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QAM64      | 2554.28               | -37.82                 | -25            | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QPSK       | 2636.23               | -35.46                 | -25            | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QAM64      | 2635.44               | -36.50                 | -25            | PASS    |
| Band38 | 20                 | 37850         | 100        | #0             | QPSK       | 2548.42               | -39.16                 | -25            | PASS    |
| Band38 | 20                 | 37850         | 100        | #0             | QAM64      | 2548.09               | -39.40                 | -25            | PASS    |
| Band38 | 20                 | 38150         | 100        | #0             | QPSK       | 2640.06               | -39.24                 | -25            | PASS    |
| Band38 | 20                 | 38150         | 100        | #0             | QAM64      | 2640.24               | -39.23                 | -25            | PASS    |

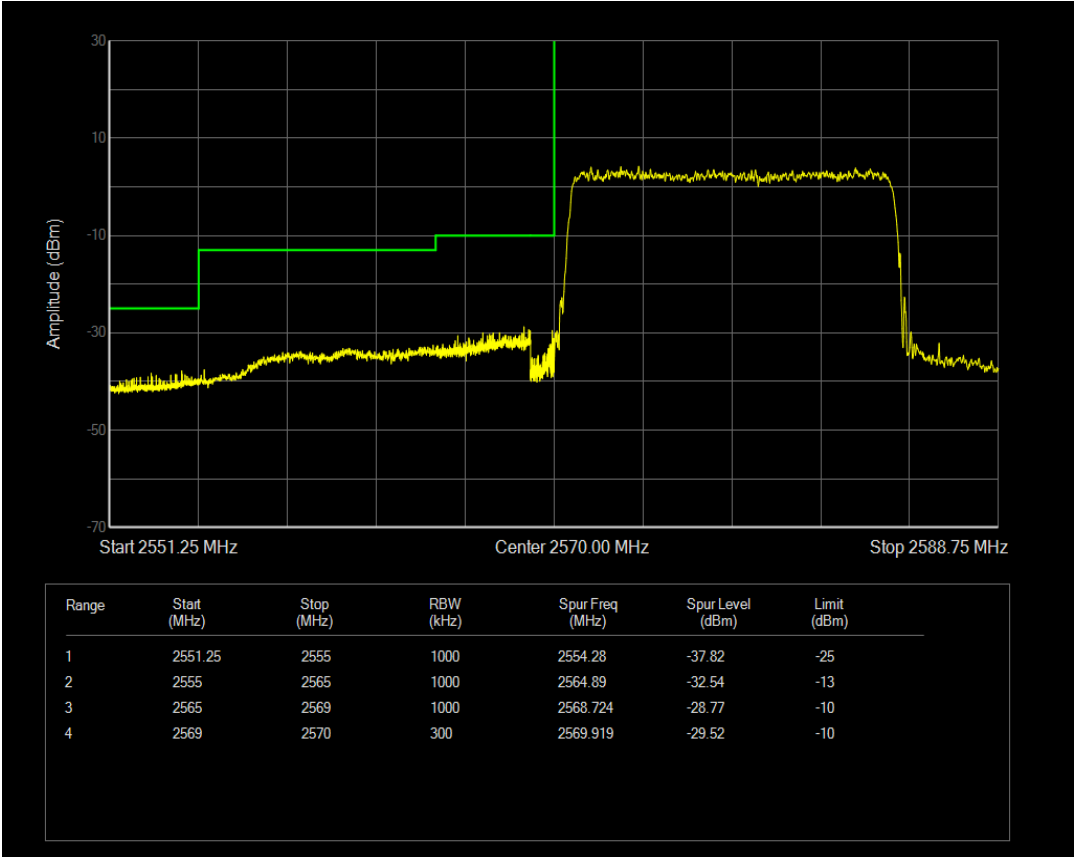
**Band38 QAM64 BW=10MHz Channel=37800 RB Size=50 Position=#0**



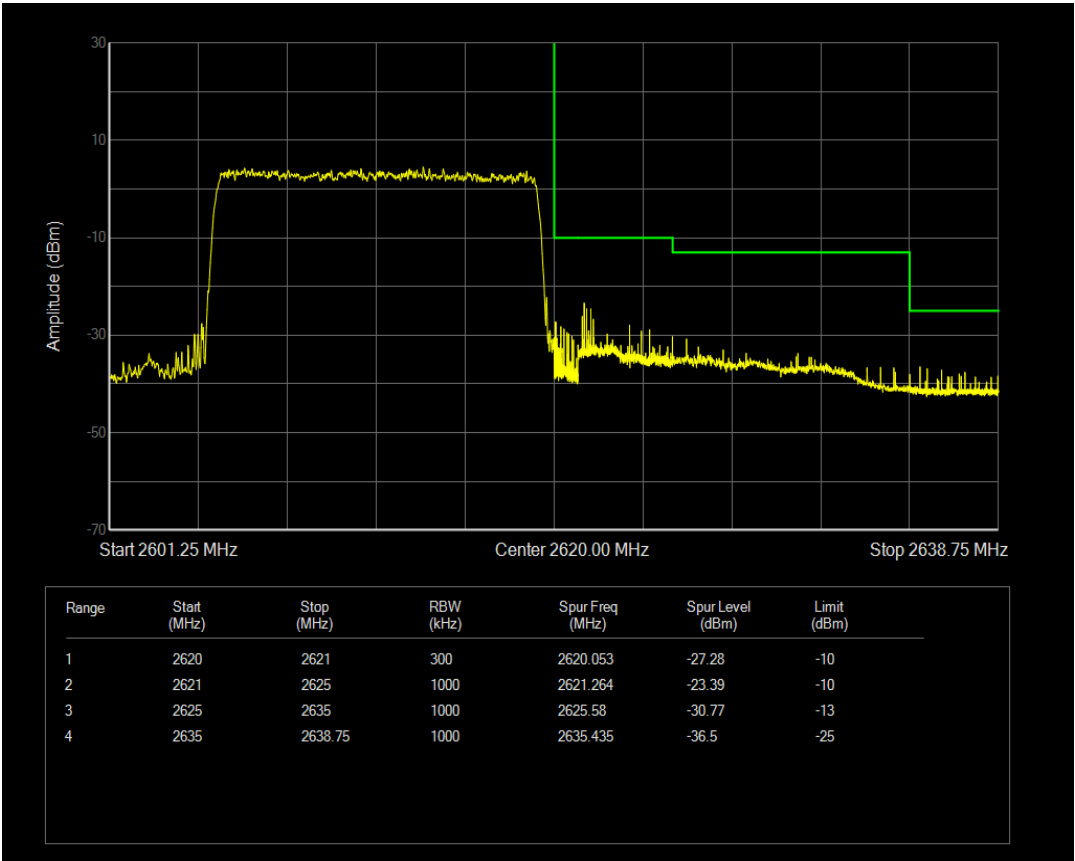
**Band38 QAM64 BW=10MHz Channel=38200 RB Size=50 Position=#0**



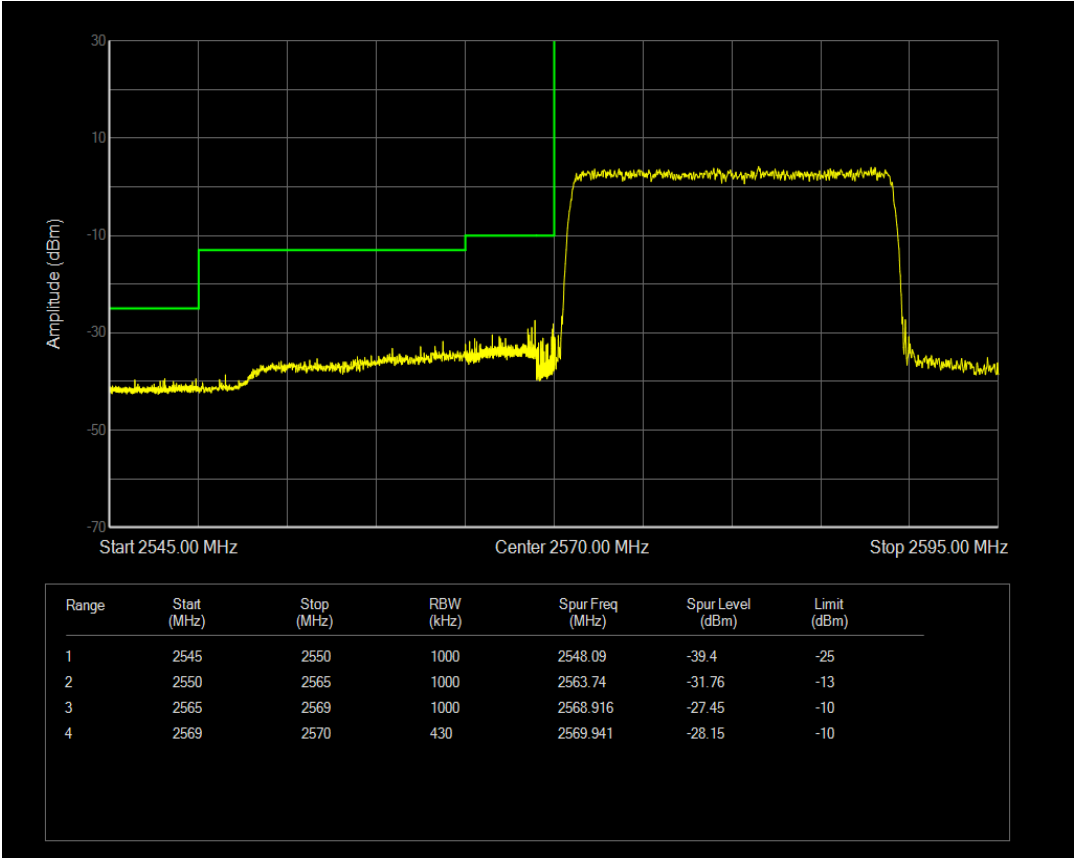
Band38 QAM64 BW=15MHz Channel=37825 RB Size=75 Position=#0



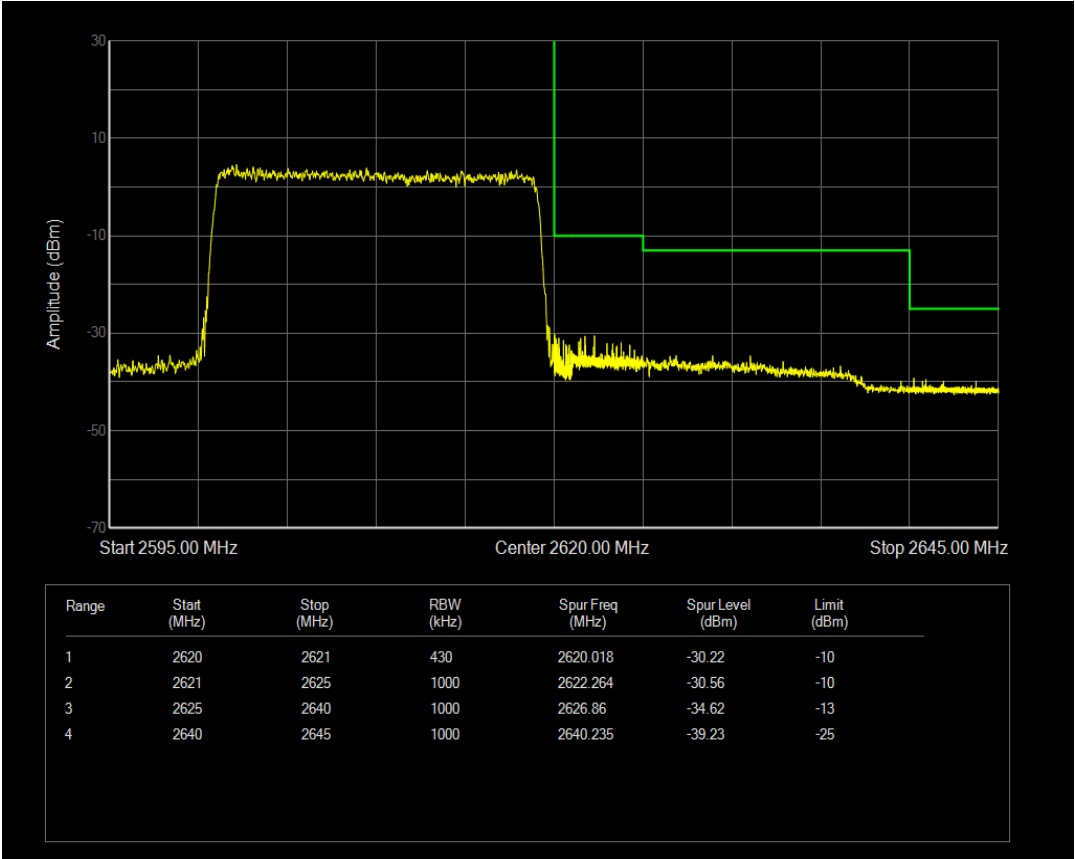
Band38 QAM64 BW=15MHz Channel=38175 RB Size=75 Position=#0



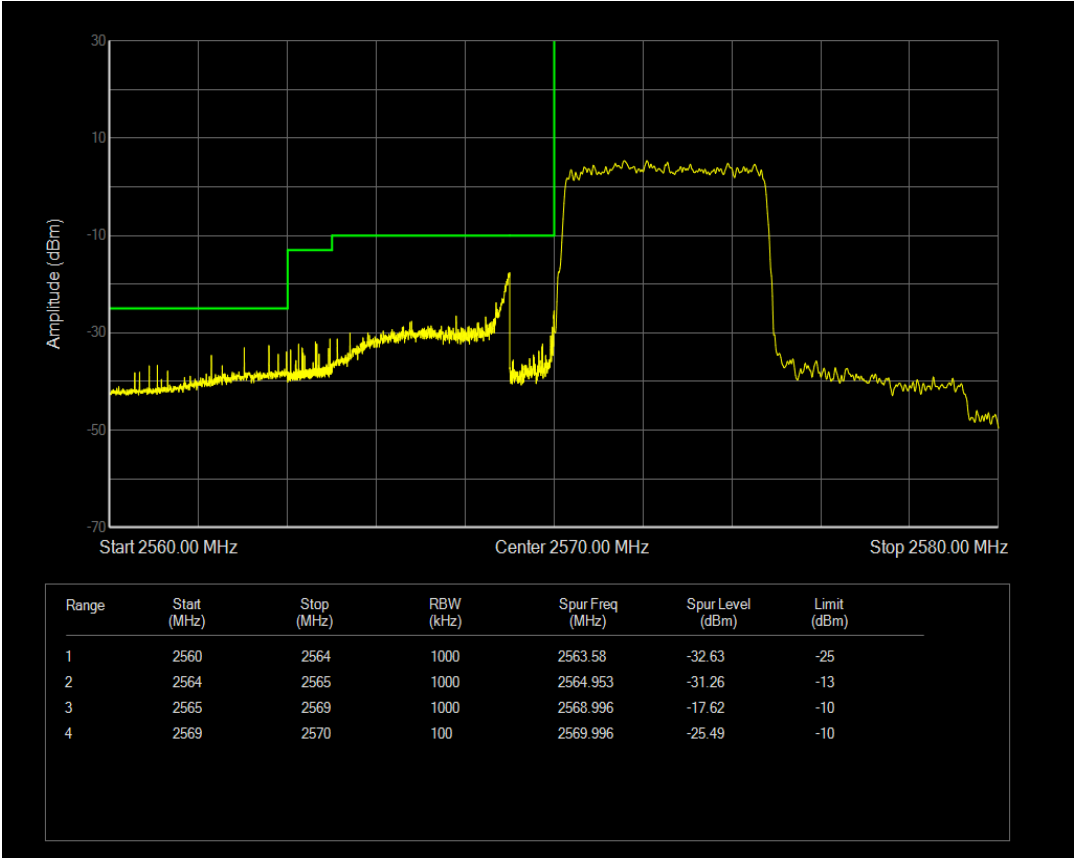
Band38 QAM64 BW=20MHz Channel=37850 RB Size=100 Position=#0



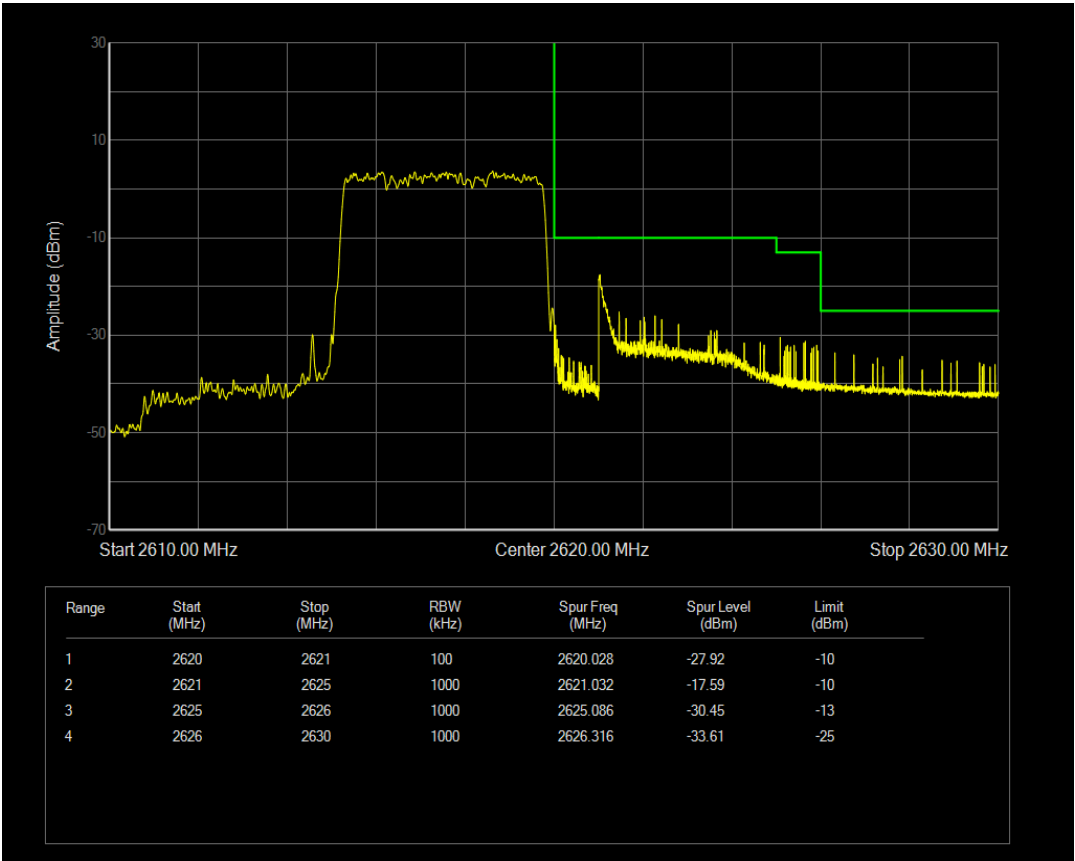
Band38 QAM64 BW=20MHz Channel=38150 RB Size=100 Position=#0



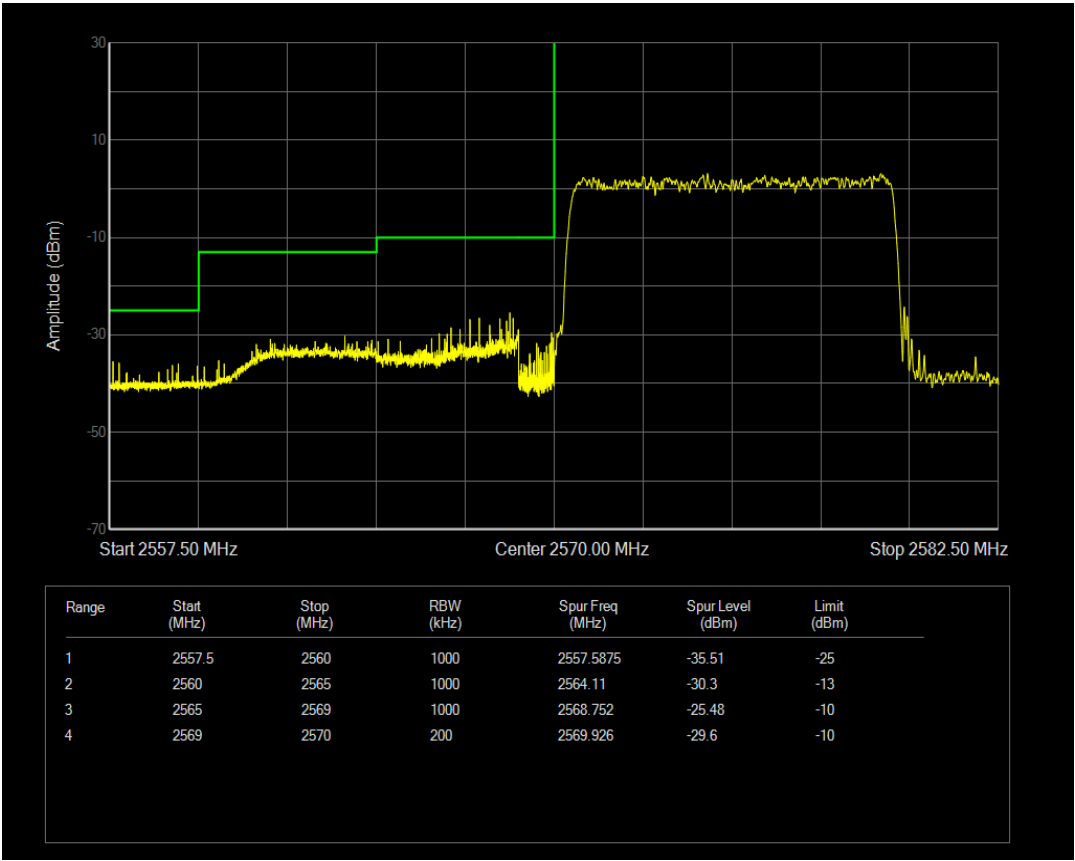
Band38 QAM64 BW=5MHz Channel=37775 RB Size=25 Position=#0



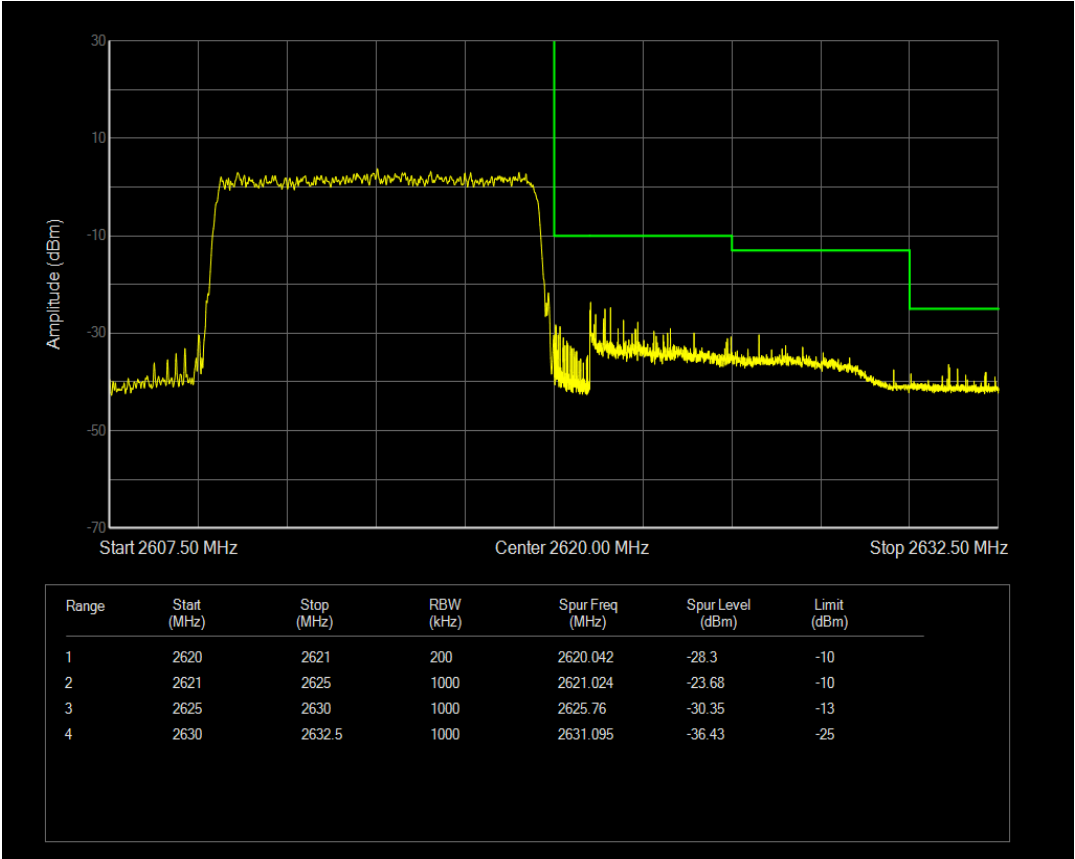
Band38 QAM64 BW=5MHz Channel=38225 RB Size=25 Position=#0



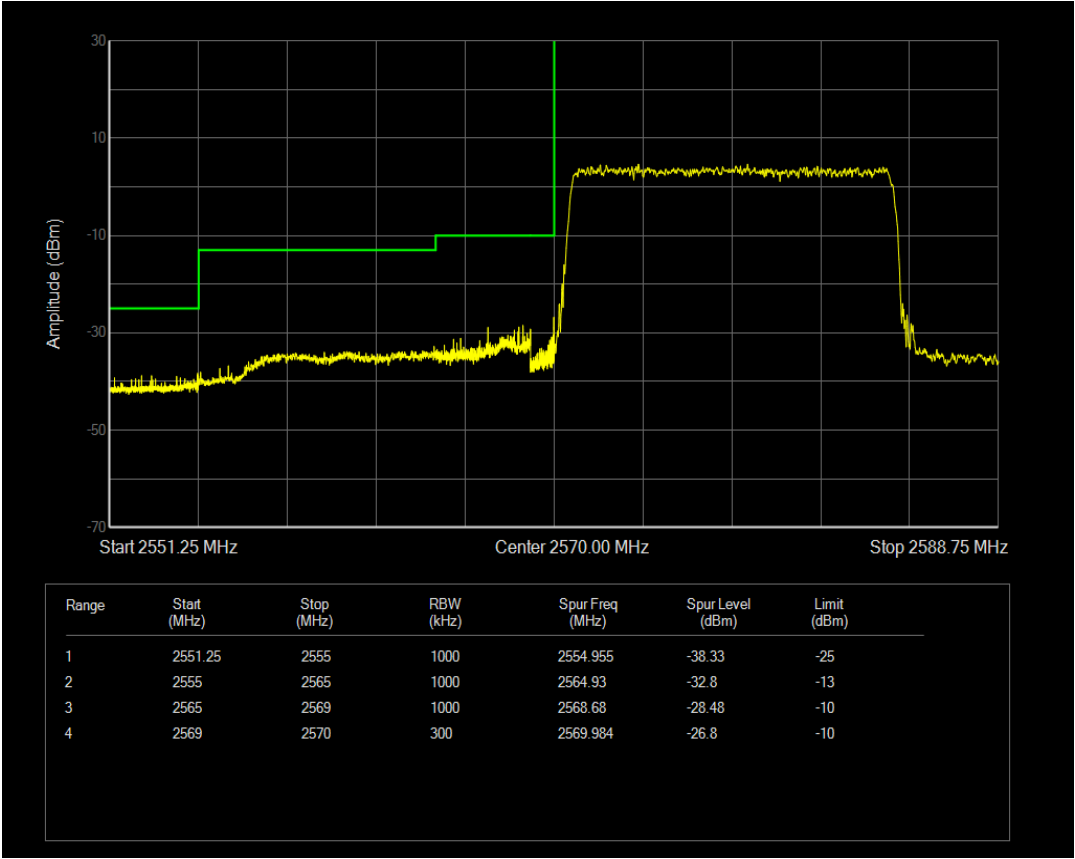
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



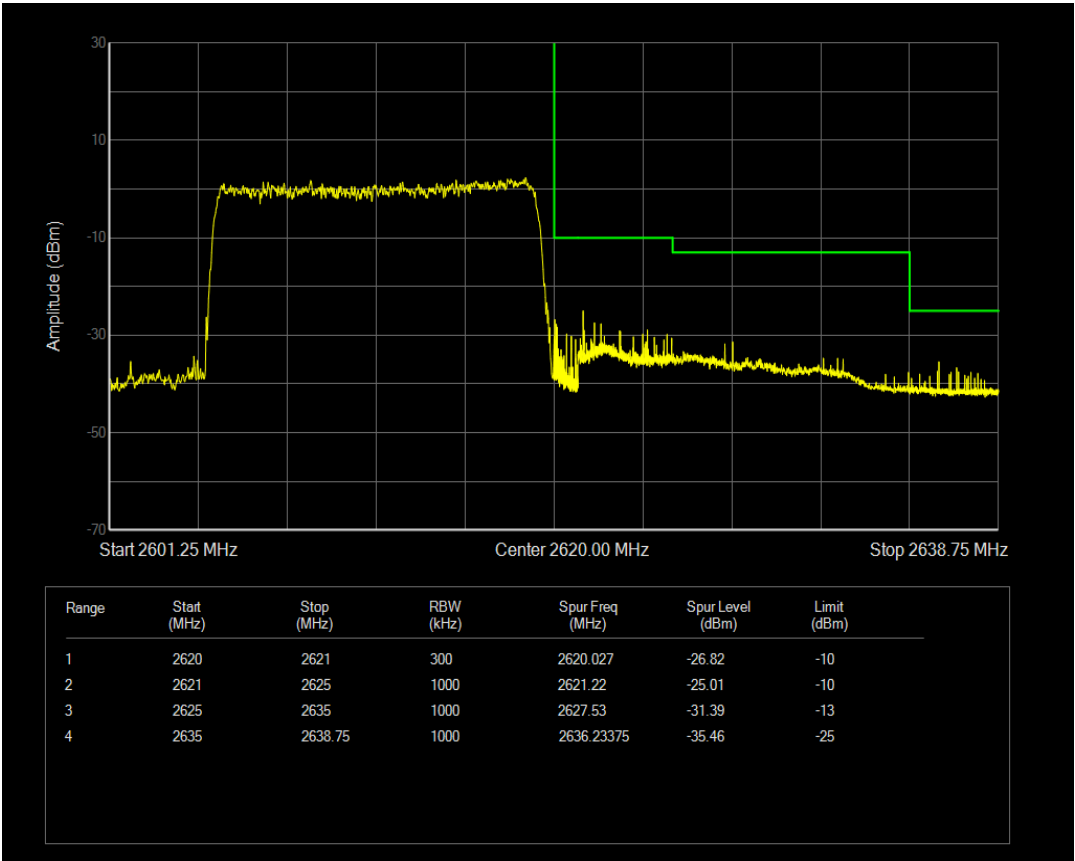
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



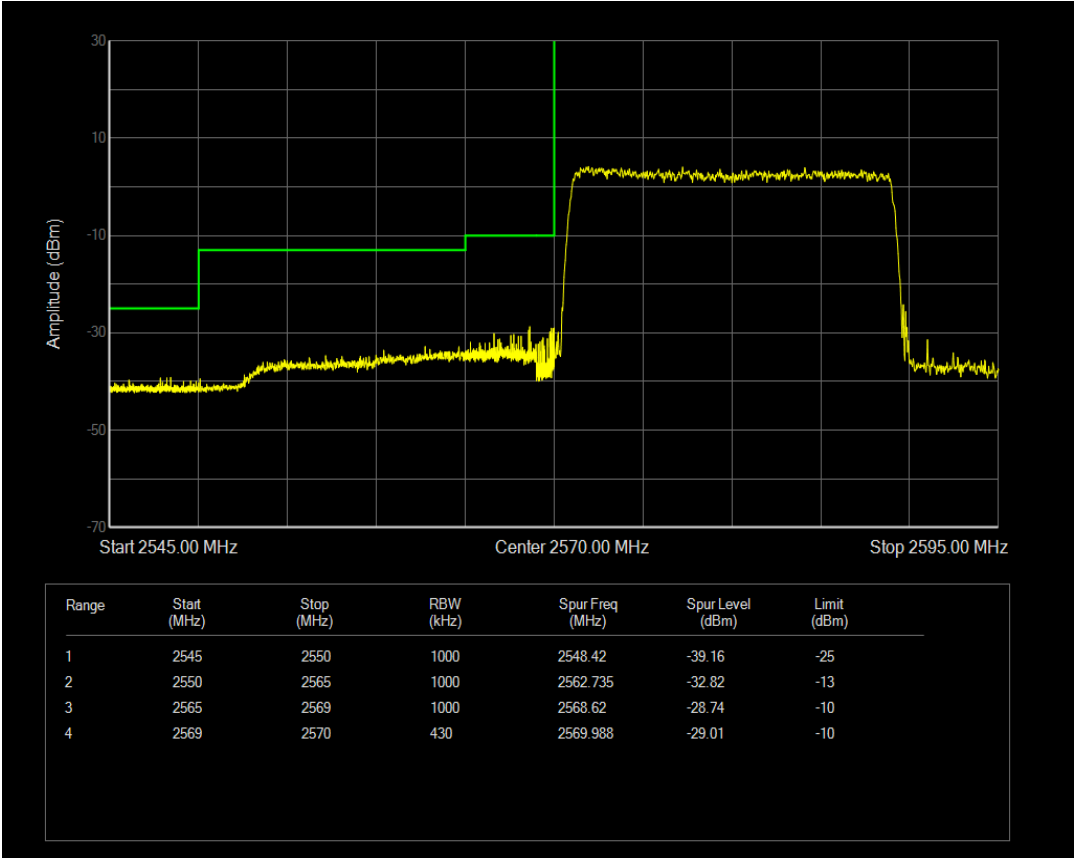
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



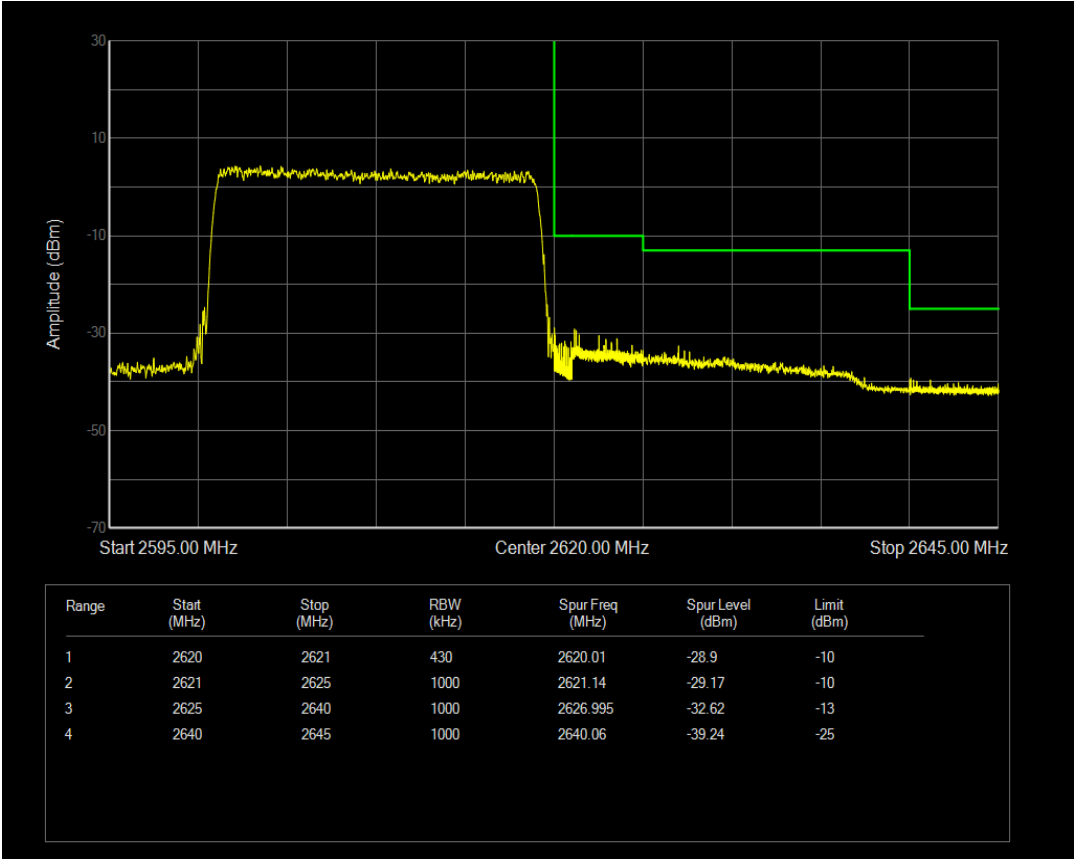
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



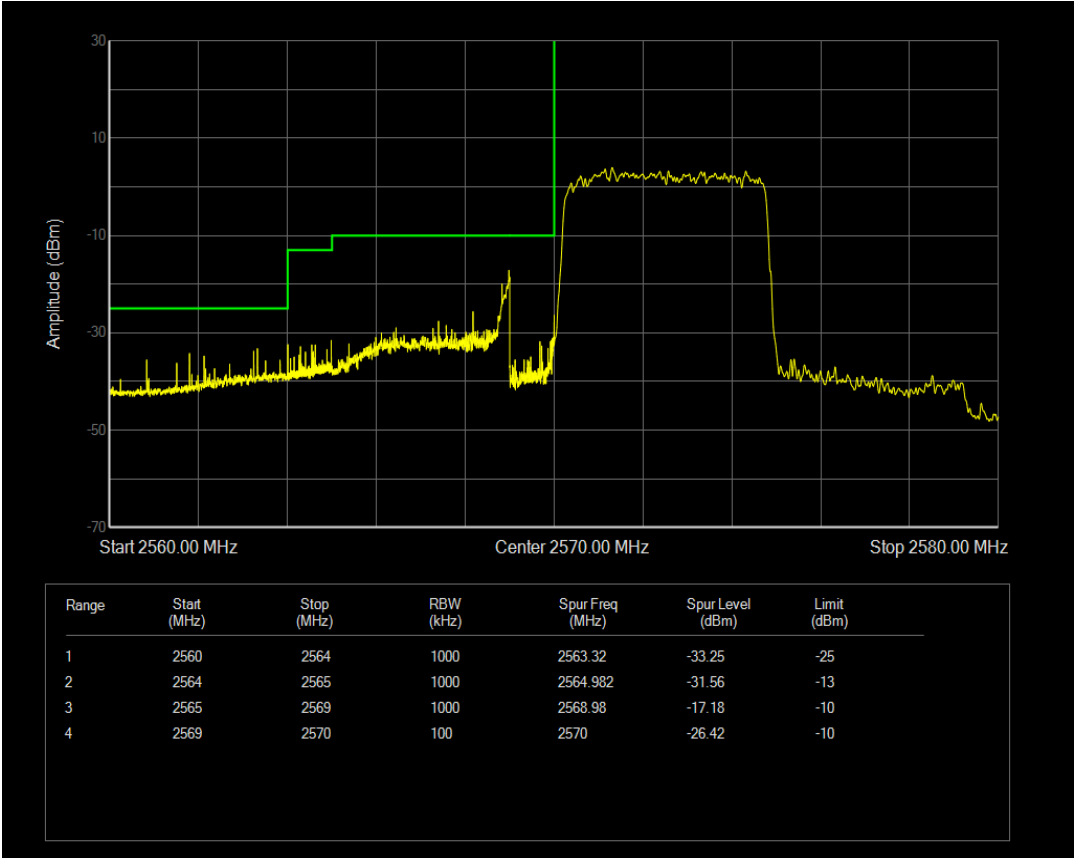
**Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0**



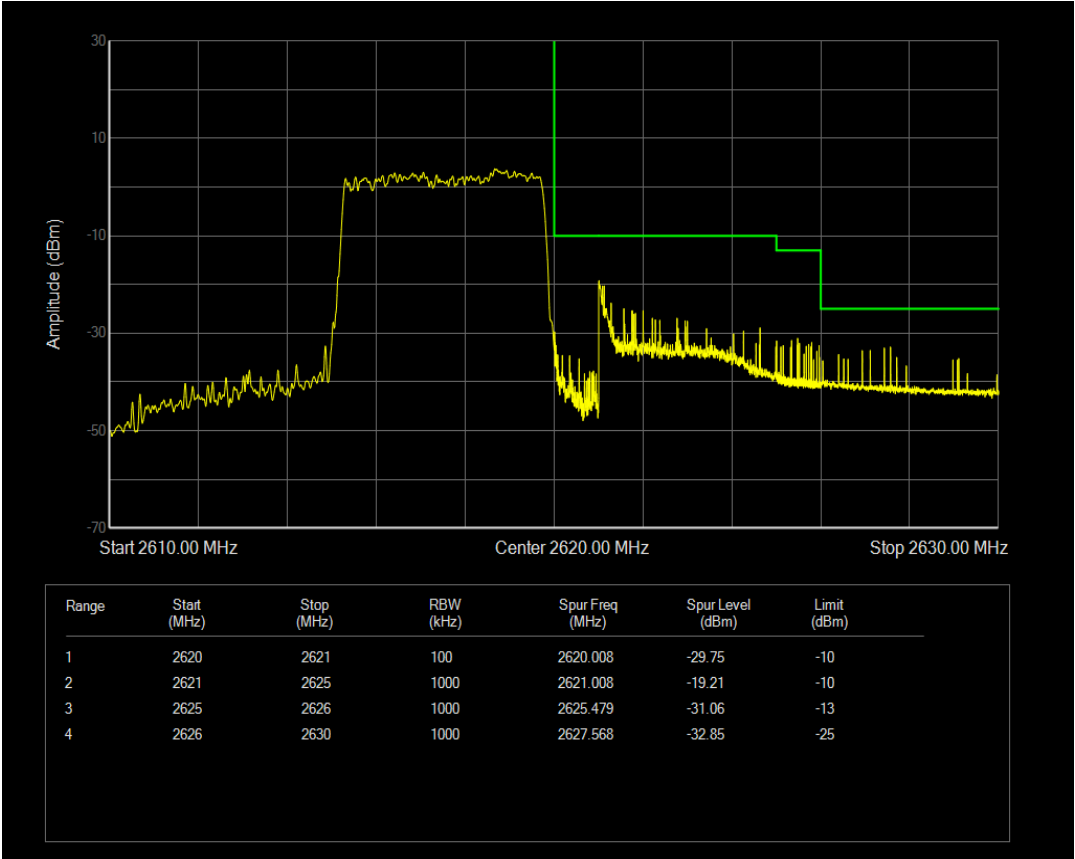
**Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0**



**Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0**



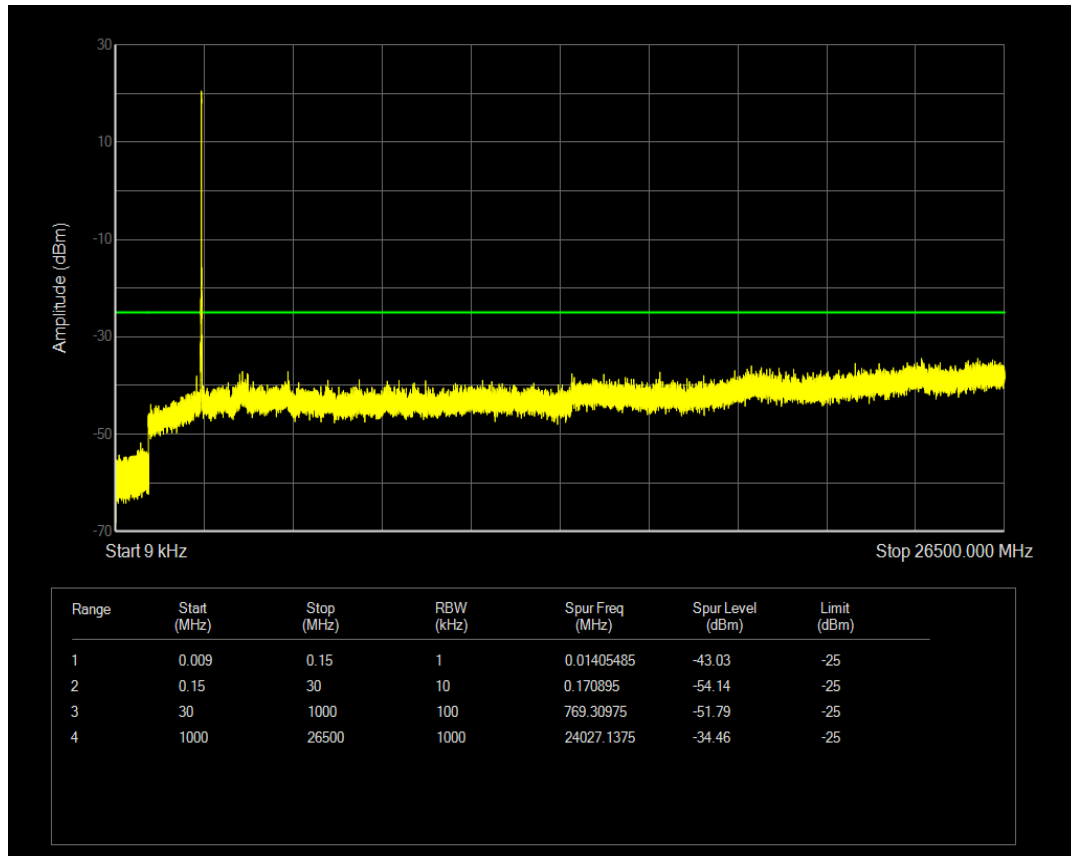
**Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0**



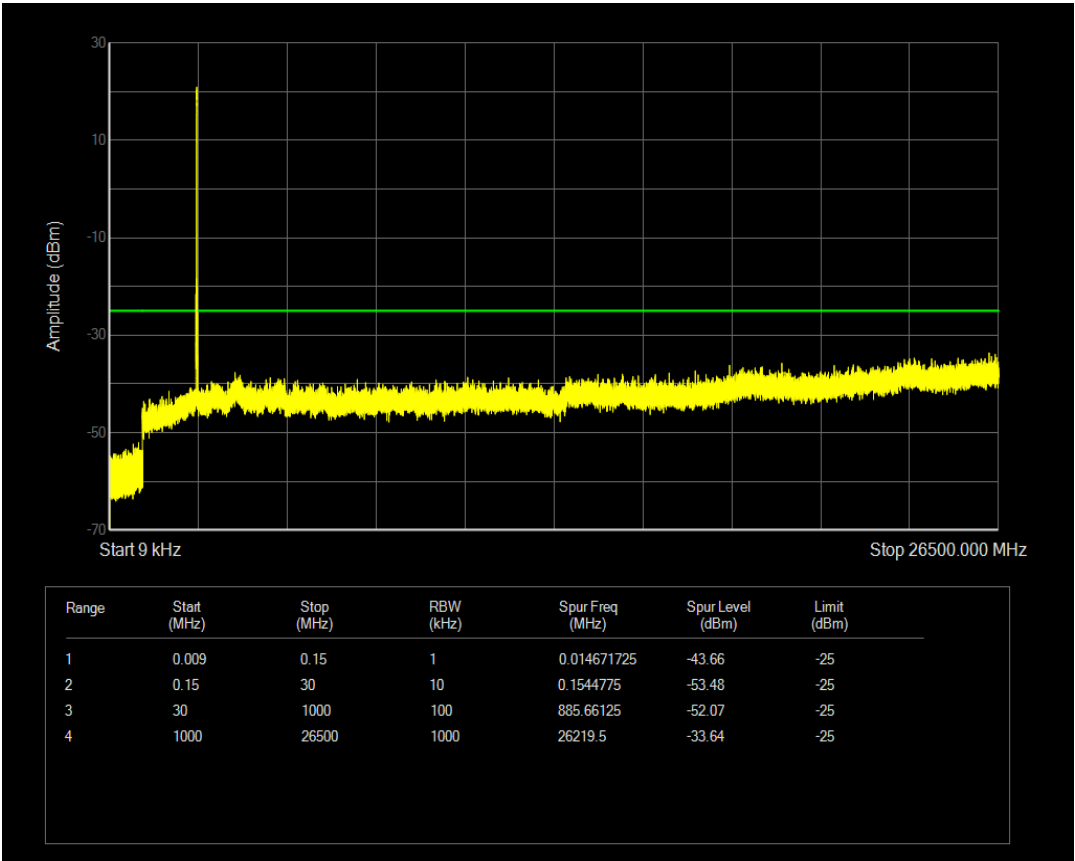
## 6 Out-of-band emissions

| 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 |
|--------|--------------------|---------------|------------|----------------|------------|-----------------------|------------------------|----------------|---------|
| Band38 | 5                  | 37775         | 25         | #0             | QPSK       | 25702.49              | -33.73                 | -25            | PASS    |
| Band38 | 5                  | 37775         | 25         | #0             | QAM64      | 25186.11              | -33.52                 | -25            | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QPSK       | 2670.89               | -28.45                 | -25            | PASS    |
| Band38 | 5                  | 38225         | 25         | #0             | QAM64      | 25631.73              | -32.53                 | -25            | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QPSK       | 25764.96              | -33.78                 | -25            | PASS    |
| Band38 | 10                 | 37800         | 50         | #0             | QAM64      | 24027.14              | -34.46                 | -25            | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QPSK       | 25508.69              | -34.39                 | -25            | PASS    |
| Band38 | 10                 | 38200         | 50         | #0             | QAM64      | 26219.50              | -33.64                 | -25            | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QPSK       | 23692.45              | -33.74                 | -25            | PASS    |
| Band38 | 15                 | 37825         | 75         | #0             | QAM64      | 25729.90              | -33.97                 | -25            | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QPSK       | 25673.16              | -33.79                 | -25            | PASS    |
| Band38 | 15                 | 38175         | 75         | #0             | QAM64      | 23721.14              | -33.78                 | -25            | PASS    |
| Band38 | 20                 | 37850         | 100        | #0             | QPSK       | 26143.00              | -33.38                 | -25            | PASS    |
| Band38 | 20                 | 37850         | 100        | #0             | QAM64      | 26464.94              | -34.24                 | -25            | PASS    |
| Band38 | 20                 | 38150         | 100        | #0             | QPSK       | 25677.63              | -33.57                 | -25            | PASS    |
| Band38 | 20                 | 38150         | 100        | #0             | QAM64      | 26010.40              | -34.04                 | -25            | PASS    |

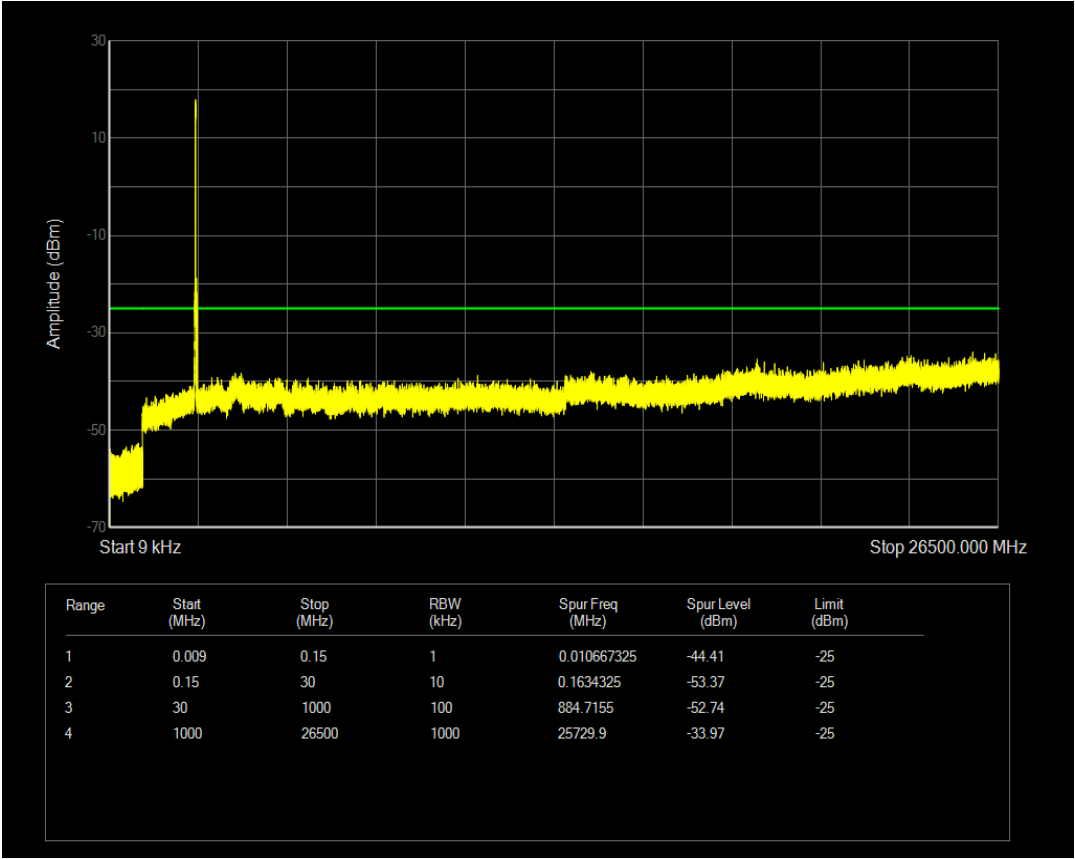
**Band38 QAM64 BW=10MHz Channel=37800 RB Size=50 Position=#0**



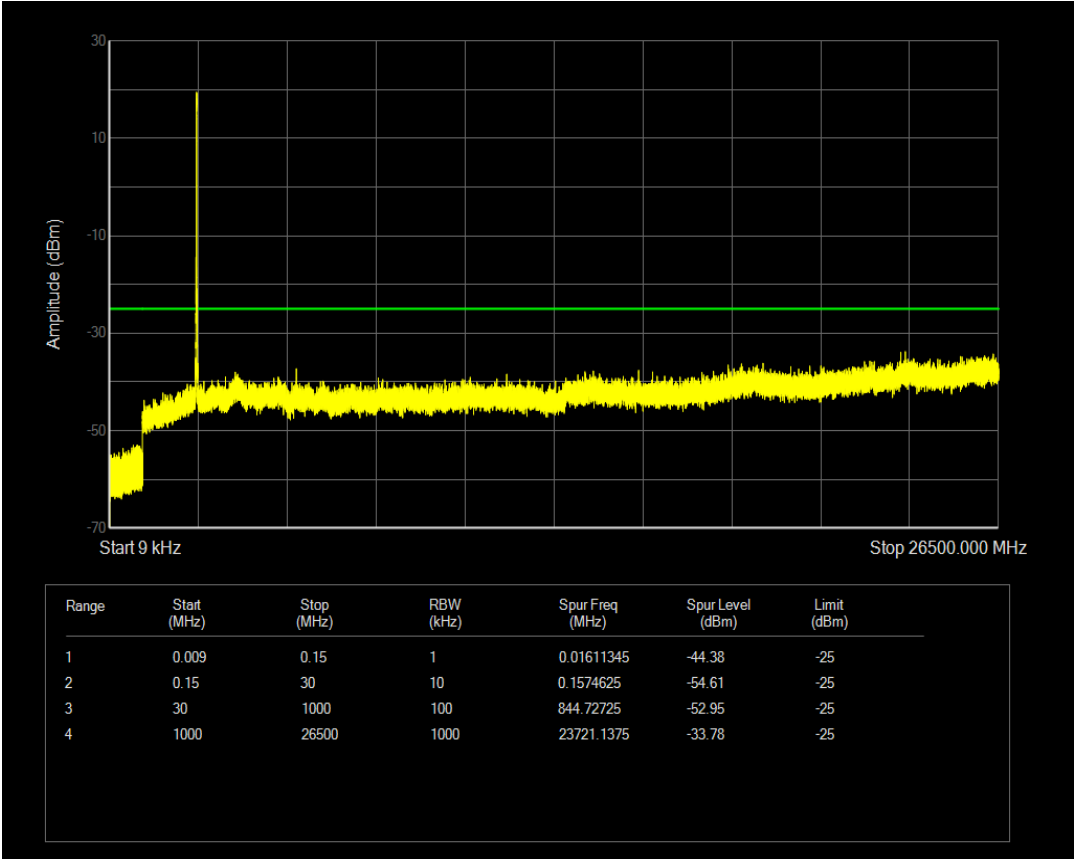
**Band38 QAM64 BW=10MHz Channel=38200 RB Size=50 Position=#0**



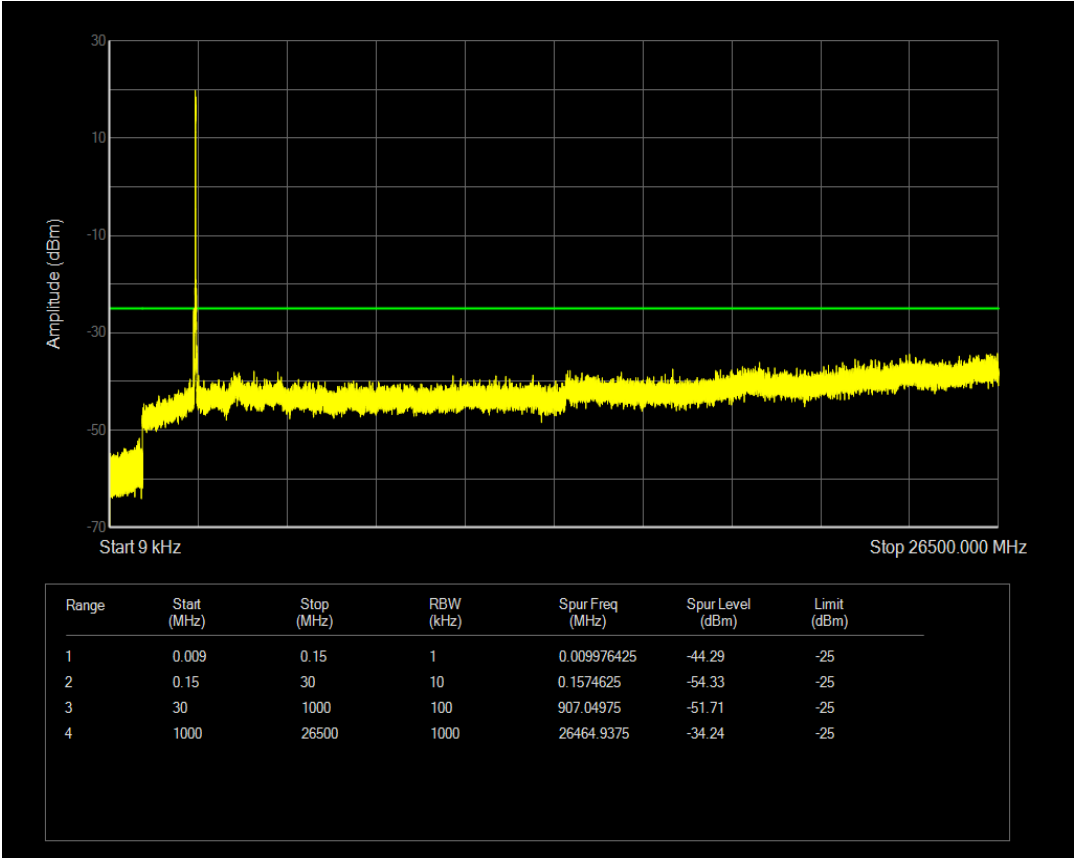
Band38 QAM64 BW=15MHz Channel=37825 RB Size=75 Position=#0



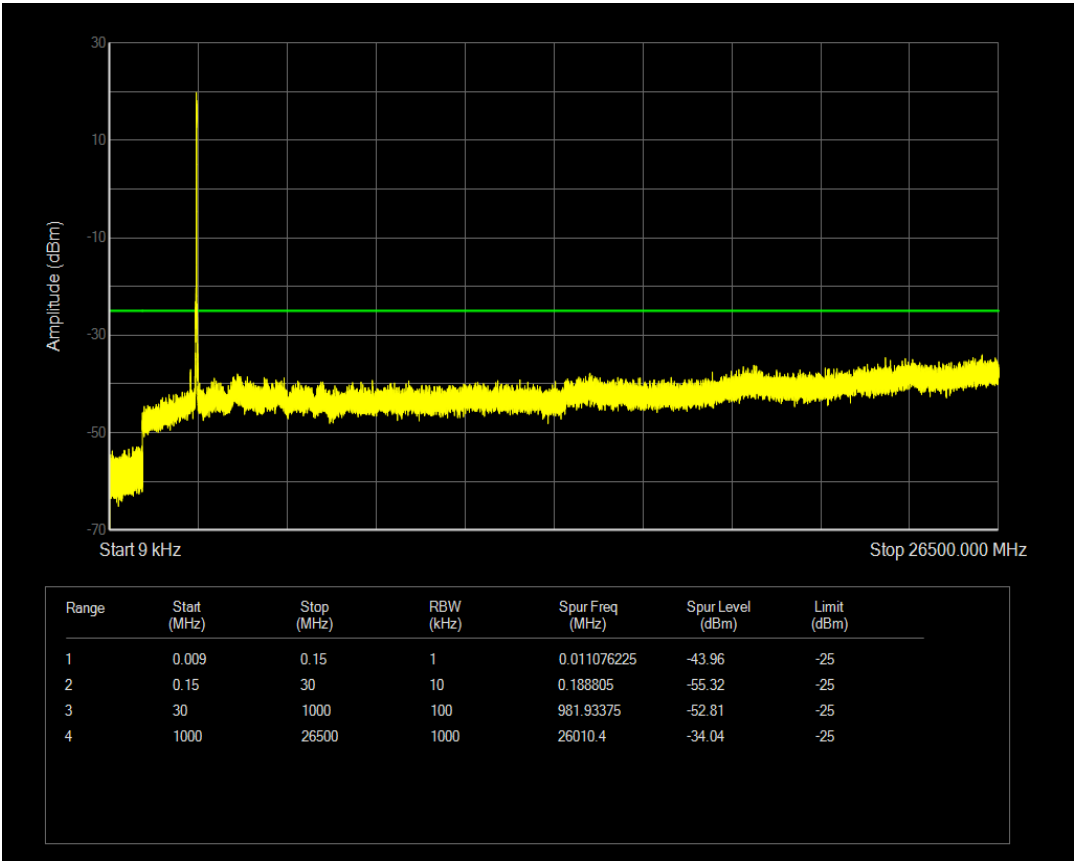
Band38 QAM64 BW=15MHz Channel=38175 RB Size=75 Position=#0



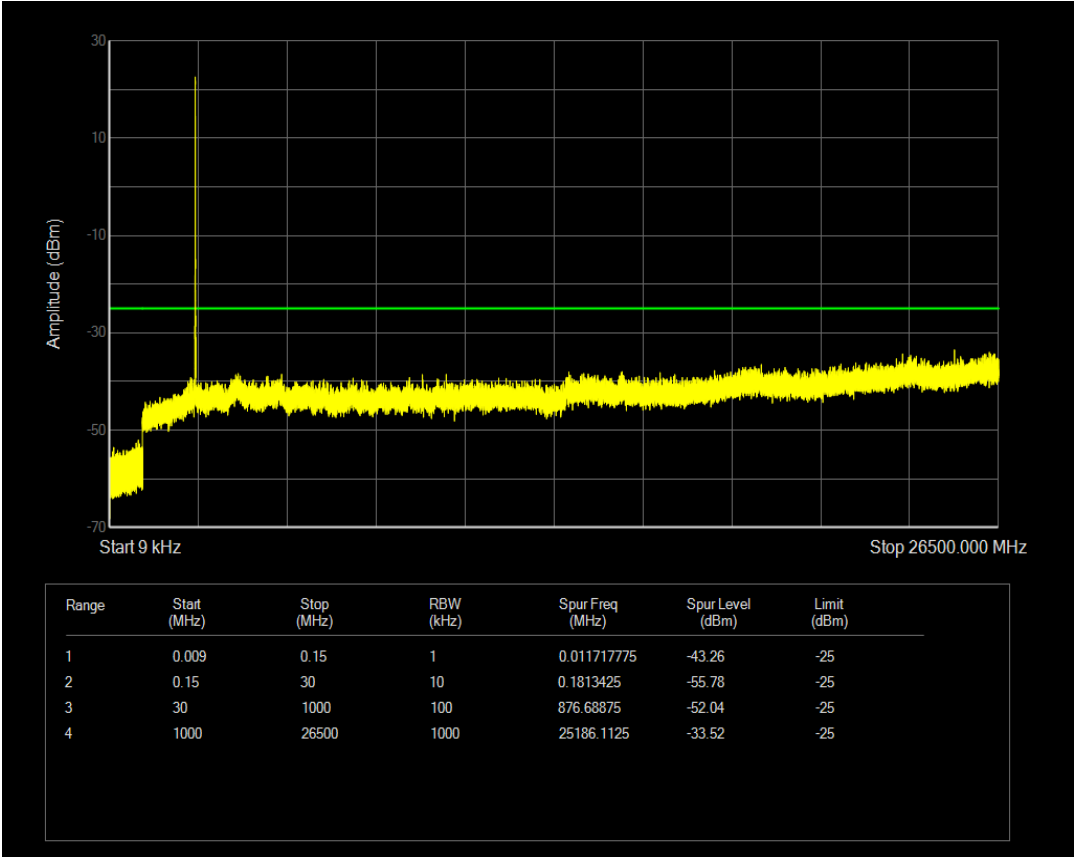
Band38 QAM64 BW=20MHz Channel=37850 RB Size=100 Position=#0



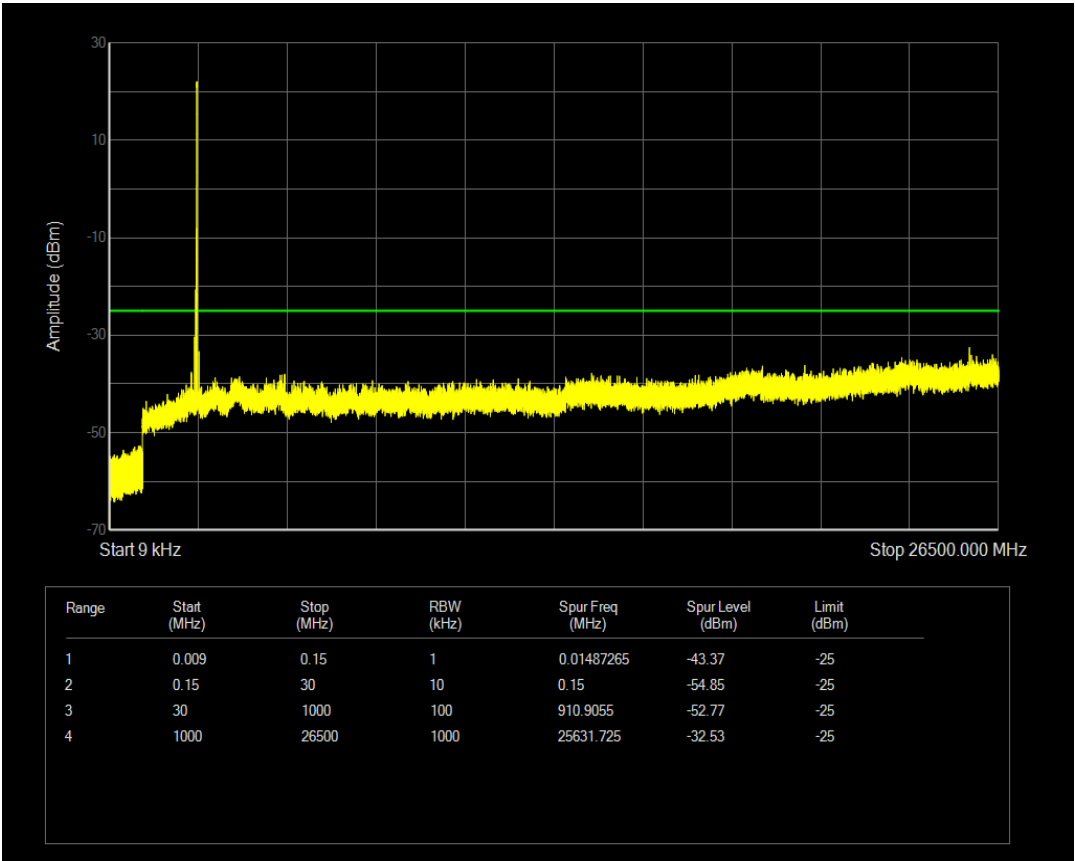
Band38 QAM64 BW=20MHz Channel=38150 RB Size=100 Position=#0



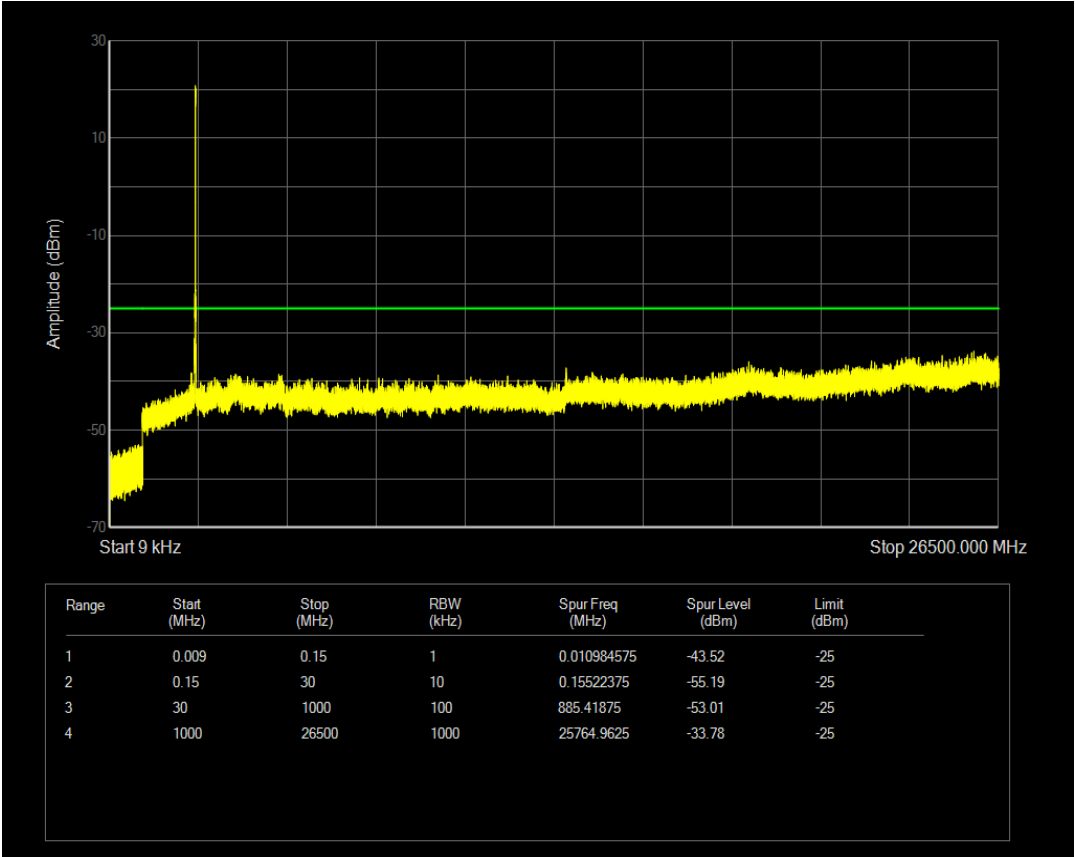
Band38 QAM64 BW=5MHz Channel=37775 RB Size=25 Position=#0



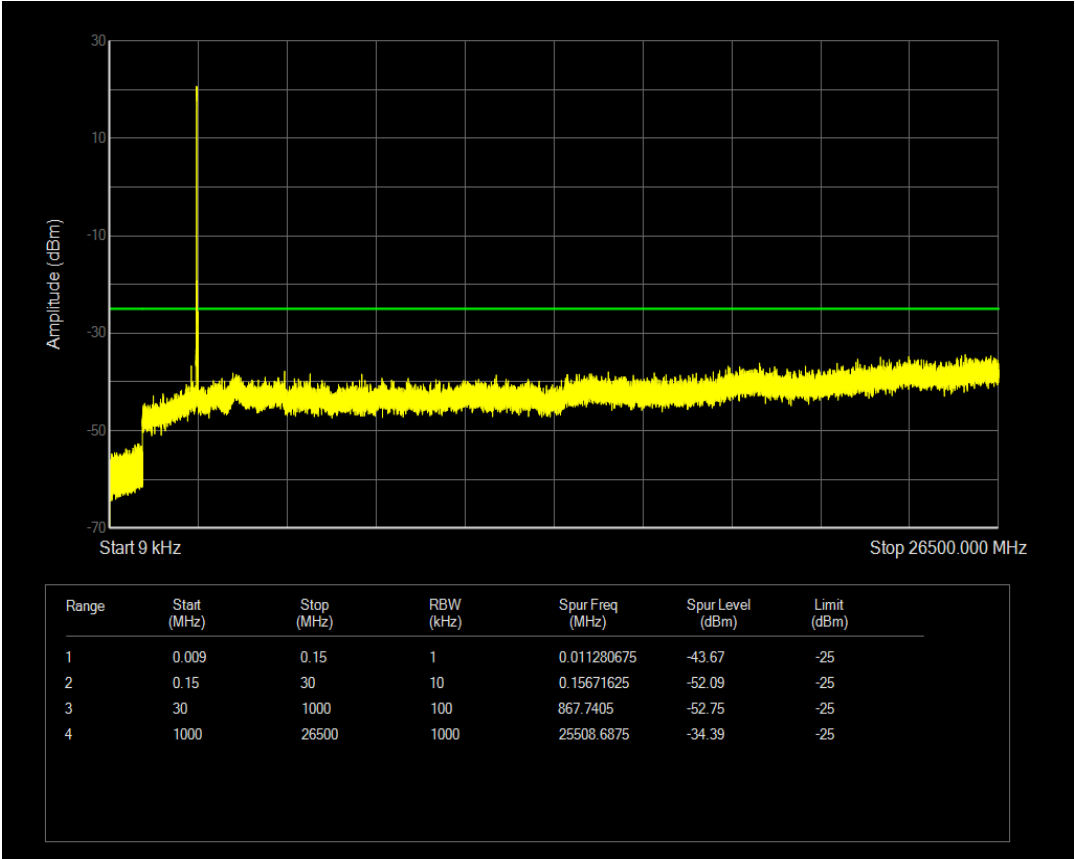
Band38 QAM64 BW=5MHz Channel=38225 RB Size=25 Position=#0



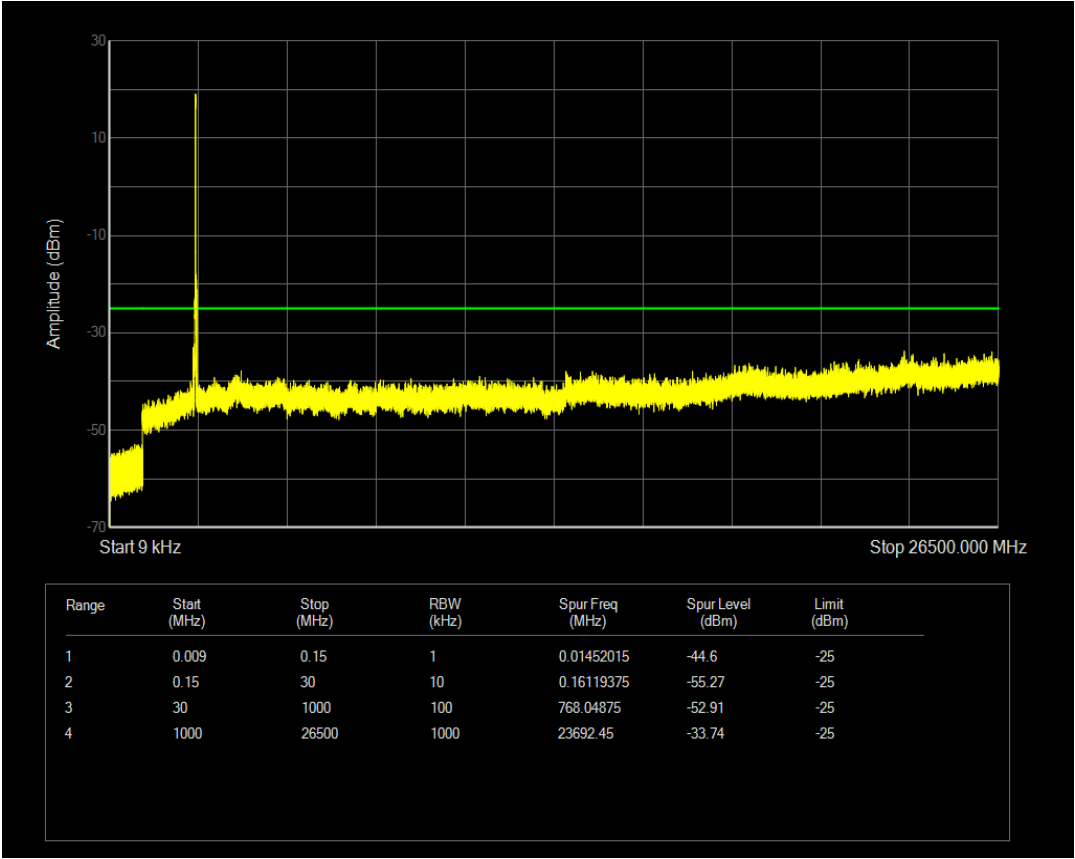
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



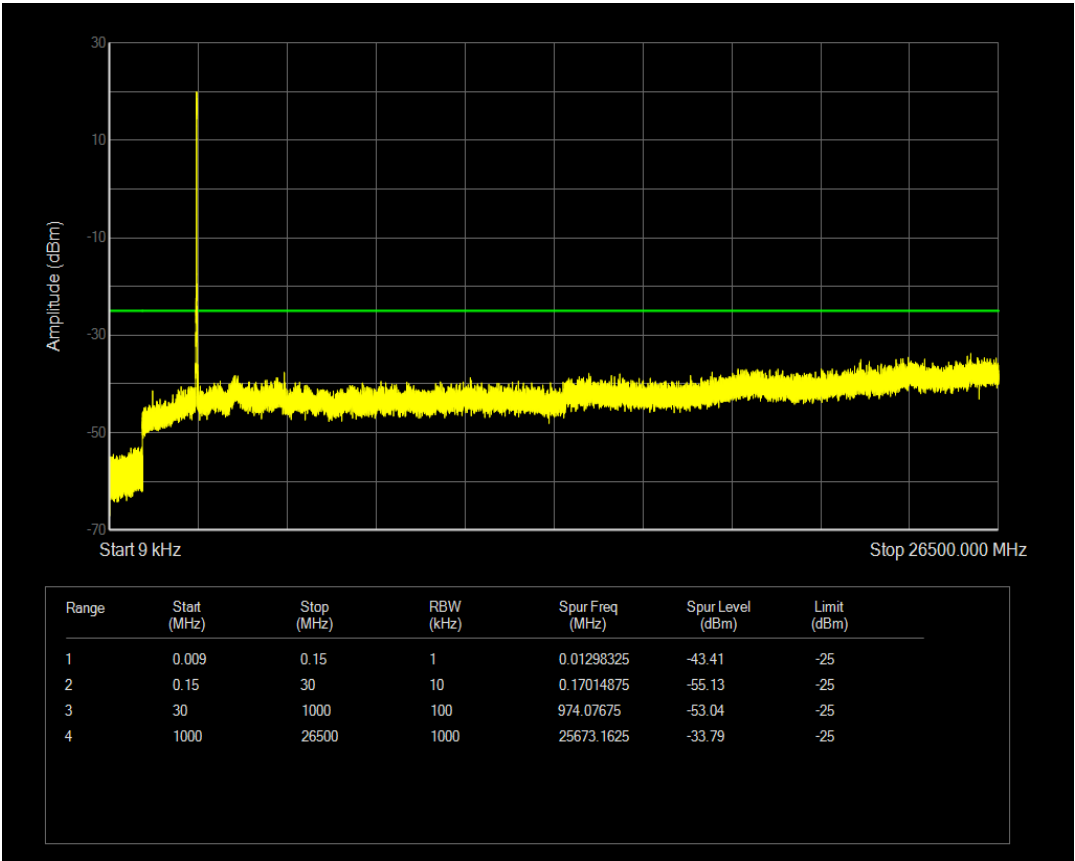
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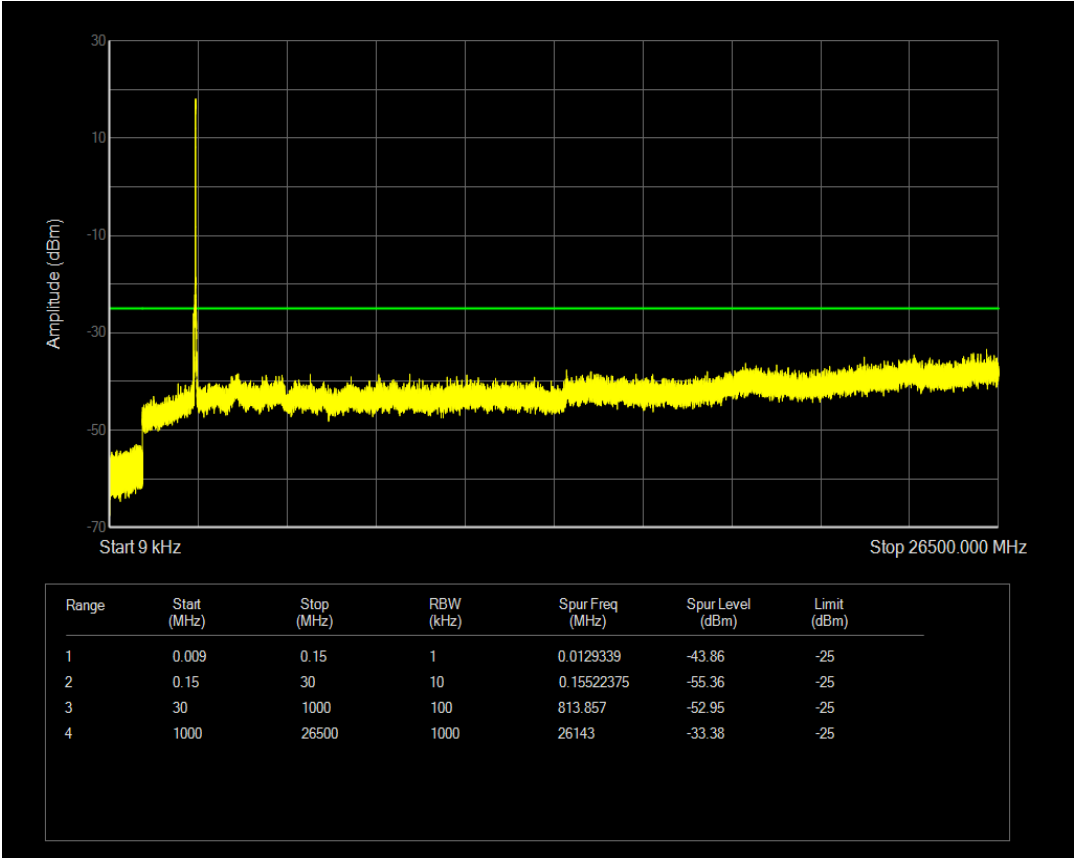
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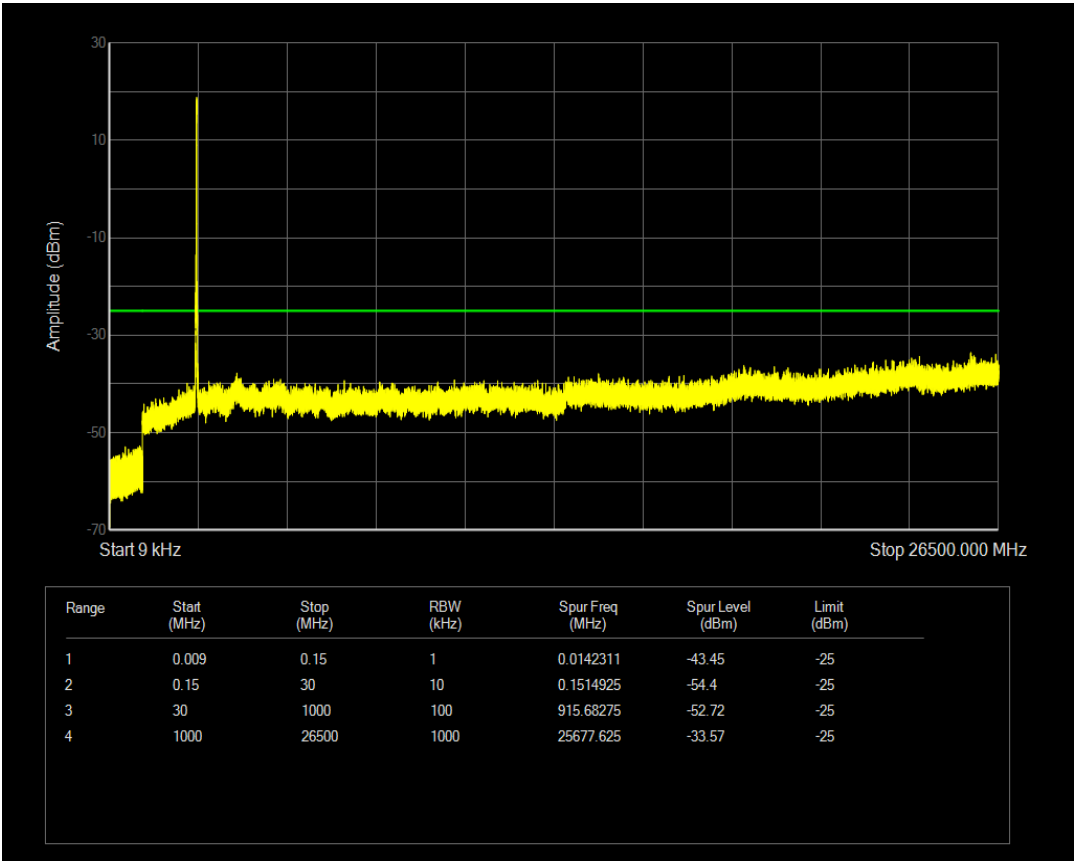
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



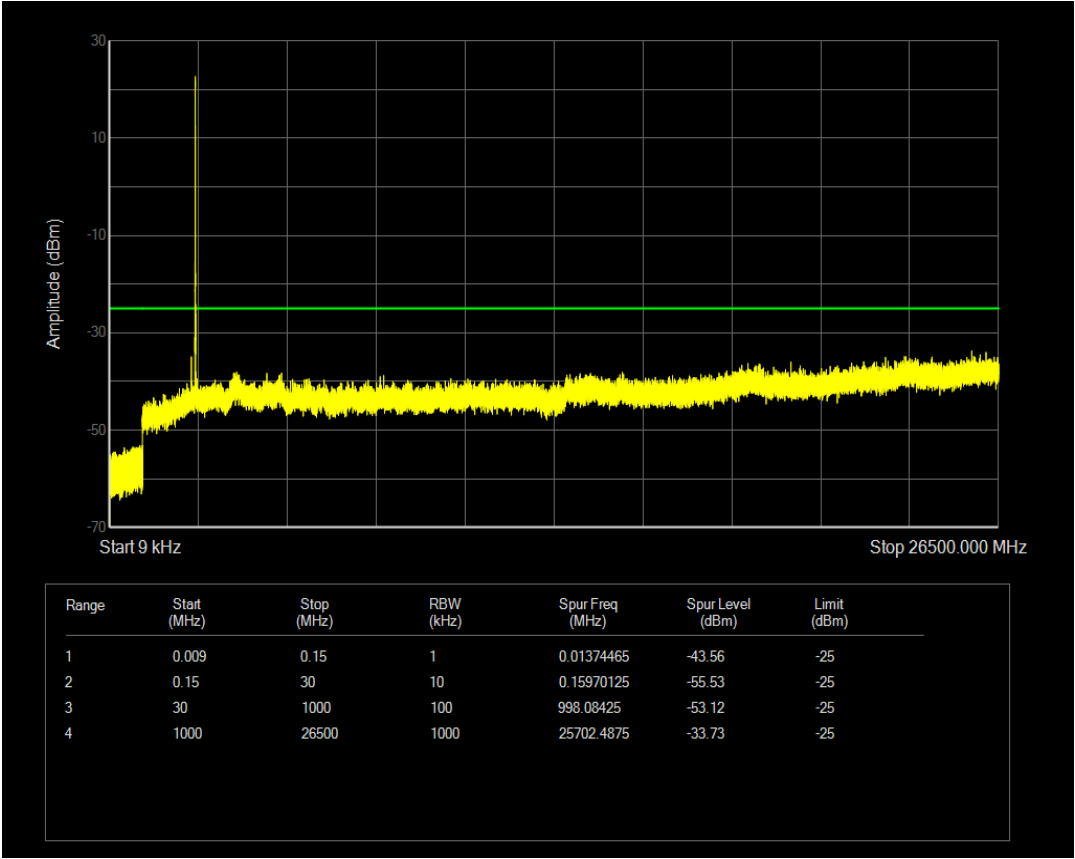
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

