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## 1 Conducted output power

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Conducted<br>Output AV<br>Power<br>(dBm) | Antenna<br>Gain<br>(dBi) | EIRP<br>(dBm) | Limt<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------------------------------|--------------------------|---------------|---------------|---------|
| Band4 | 1.4                | 19957         | 1          | #0             | QPSK       | 22.62                                    | -1.88                    | 20.74         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 1          | #Mid           | QPSK       | 22.78                                    | -1.88                    | 20.90         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 1          | #Max           | QPSK       | 22.63                                    | -1.88                    | 20.75         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 3          | #0             | QPSK       | 22.82                                    | -1.88                    | 20.94         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 3          | #Mid           | QPSK       | 22.79                                    | -1.88                    | 20.91         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 3          | #Max           | QPSK       | 22.75                                    | -1.88                    | 20.87         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | 21.74                                    | -1.88                    | 19.86         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 1          | #0             | QAM16      | 21.84                                    | -1.88                    | 19.96         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 1          | #Mid           | QAM16      | 21.93                                    | -1.88                    | 20.05         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 1          | #Max           | QAM16      | 21.86                                    | -1.88                    | 19.98         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 3          | #0             | QAM16      | 21.9                                     | -1.88                    | 20.02         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 3          | #Mid           | QAM16      | 21.95                                    | -1.88                    | 20.07         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 3          | #Max           | QAM16      | 21.97                                    | -1.88                    | 20.09         | 30.00         | Pass    |
| Band4 | 1.4                | 19957         | 6          | #0             | QAM16      | 20.91                                    | -1.88                    | 19.03         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 1          | #0             | QPSK       | 22.71                                    | -1.88                    | 20.83         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 1          | #Mid           | QPSK       | 22.87                                    | -1.88                    | 20.99         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 1          | #Max           | QPSK       | 22.73                                    | -1.88                    | 20.85         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 3          | #0             | QPSK       | 22.67                                    | -1.88                    | 20.79         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 3          | #Mid           | QPSK       | 22.69                                    | -1.88                    | 20.81         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 3          | #Max           | QPSK       | 22.71                                    | -1.88                    | 20.83         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 6          | #0             | QPSK       | 21.68                                    | -1.88                    | 19.80         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 1          | #0             | QAM16      | 21.5                                     | -1.88                    | 19.62         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 1          | #Mid           | QAM16      | 21.63                                    | -1.88                    | 19.75         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 1          | #Max           | QAM16      | 21.49                                    | -1.88                    | 19.61         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 3          | #0             | QAM16      | 21.85                                    | -1.88                    | 19.97         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 3          | #Mid           | QAM16      | 21.81                                    | -1.88                    | 19.93         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 3          | #Max           | QAM16      | 21.84                                    | -1.88                    | 19.96         | 30.00         | Pass    |
| Band4 | 1.4                | 20175         | 6          | #0             | QAM16      | 20.88                                    | -1.88                    | 19.00         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 1          | #0             | QPSK       | 22.68                                    | -1.88                    | 20.80         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 1          | #Mid           | QPSK       | 22.84                                    | -1.88                    | 20.96         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 1          | #Max           | QPSK       | 22.67                                    | -1.88                    | 20.79         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 3          | #0             | QPSK       | 22.82                                    | -1.88                    | 20.94         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 3          | #Mid           | QPSK       | 22.78                                    | -1.88                    | 20.90         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 3          | #Max           | QPSK       | 22.8                                     | -1.88                    | 20.92         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 6          | #0             | QPSK       | 21.75                                    | -1.88                    | 19.87         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 1          | #0             | QAM16      | 21.9                                     | -1.88                    | 20.02         | 30.00         | Pass    |
| Band4 | 1.4                | 20393         | 1          | #Mid           | QAM16      | 22.03                                    | -1.88                    | 20.15         | 30.00         | Pass    |

|       |     |       |    |      |       |       |       |       |       |      |
|-------|-----|-------|----|------|-------|-------|-------|-------|-------|------|
| Band4 | 1.4 | 20393 | 1  | #Max | QAM16 | 21.93 | -1.88 | 20.05 | 30.00 | Pass |
| Band4 | 1.4 | 20393 | 3  | #0   | QAM16 | 22    | -1.88 | 20.12 | 30.00 | Pass |
| Band4 | 1.4 | 20393 | 3  | #Mid | QAM16 | 21.99 | -1.88 | 20.11 | 30.00 | Pass |
| Band4 | 1.4 | 20393 | 3  | #Max | QAM16 | 22.01 | -1.88 | 20.13 | 30.00 | Pass |
| Band4 | 1.4 | 20393 | 6  | #0   | QAM16 | 20.97 | -1.88 | 19.09 | 30.00 | Pass |
| Band4 | 3   | 19965 | 1  | #0   | QPSK  | 22.8  | -1.88 | 20.92 | 30.00 | Pass |
| Band4 | 3   | 19965 | 1  | #Mid | QPSK  | 23.1  | -1.88 | 21.22 | 30.00 | Pass |
| Band4 | 3   | 19965 | 1  | #Max | QPSK  | 22.81 | -1.88 | 20.93 | 30.00 | Pass |
| Band4 | 3   | 19965 | 8  | #0   | QPSK  | 21.77 | -1.88 | 19.89 | 30.00 | Pass |
| Band4 | 3   | 19965 | 8  | #Mid | QPSK  | 21.82 | -1.88 | 19.94 | 30.00 | Pass |
| Band4 | 3   | 19965 | 8  | #Max | QPSK  | 21.74 | -1.88 | 19.86 | 30.00 | Pass |
| Band4 | 3   | 19965 | 15 | #0   | QPSK  | 21.73 | -1.88 | 19.85 | 30.00 | Pass |
| Band4 | 3   | 19965 | 1  | #0   | QAM16 | 21.6  | -1.88 | 19.72 | 30.00 | Pass |
| Band4 | 3   | 19965 | 1  | #Mid | QAM16 | 21.86 | -1.88 | 19.98 | 30.00 | Pass |
| Band4 | 3   | 19965 | 1  | #Max | QAM16 | 21.52 | -1.88 | 19.64 | 30.00 | Pass |
| Band4 | 3   | 19965 | 8  | #0   | QAM16 | 20.78 | -1.88 | 18.90 | 30.00 | Pass |
| Band4 | 3   | 19965 | 8  | #Mid | QAM16 | 20.84 | -1.88 | 18.96 | 30.00 | Pass |
| Band4 | 3   | 19965 | 8  | #Max | QAM16 | 20.76 | -1.88 | 18.88 | 30.00 | Pass |
| Band4 | 3   | 19965 | 15 | #0   | QAM16 | 20.83 | -1.88 | 18.95 | 30.00 | Pass |
| Band4 | 3   | 20175 | 1  | #0   | QPSK  | 22.67 | -1.88 | 20.79 | 30.00 | Pass |
| Band4 | 3   | 20175 | 1  | #Mid | QPSK  | 23.05 | -1.88 | 21.17 | 30.00 | Pass |
| Band4 | 3   | 20175 | 1  | #Max | QPSK  | 22.63 | -1.88 | 20.75 | 30.00 | Pass |
| Band4 | 3   | 20175 | 8  | #0   | QPSK  | 21.69 | -1.88 | 19.81 | 30.00 | Pass |
| Band4 | 3   | 20175 | 8  | #Mid | QPSK  | 21.71 | -1.88 | 19.83 | 30.00 | Pass |
| Band4 | 3   | 20175 | 8  | #Max | QPSK  | 21.68 | -1.88 | 19.80 | 30.00 | Pass |
| Band4 | 3   | 20175 | 15 | #0   | QPSK  | 21.68 | -1.88 | 19.80 | 30.00 | Pass |
| Band4 | 3   | 20175 | 1  | #0   | QAM16 | 22.06 | -1.88 | 20.18 | 30.00 | Pass |
| Band4 | 3   | 20175 | 1  | #Mid | QAM16 | 22.35 | -1.88 | 20.47 | 30.00 | Pass |
| Band4 | 3   | 20175 | 1  | #Max | QAM16 | 22.06 | -1.88 | 20.18 | 30.00 | Pass |
| Band4 | 3   | 20175 | 8  | #0   | QAM16 | 20.76 | -1.88 | 18.88 | 30.00 | Pass |
| Band4 | 3   | 20175 | 8  | #Mid | QAM16 | 20.79 | -1.88 | 18.91 | 30.00 | Pass |
| Band4 | 3   | 20175 | 8  | #Max | QAM16 | 20.75 | -1.88 | 18.87 | 30.00 | Pass |
| Band4 | 3   | 20175 | 15 | #0   | QAM16 | 20.74 | -1.88 | 18.86 | 30.00 | Pass |
| Band4 | 3   | 20385 | 1  | #0   | QPSK  | 22.73 | -1.88 | 20.85 | 30.00 | Pass |
| Band4 | 3   | 20385 | 1  | #Mid | QPSK  | 23.08 | -1.88 | 21.20 | 30.00 | Pass |
| Band4 | 3   | 20385 | 1  | #Max | QPSK  | 22.83 | -1.88 | 20.95 | 30.00 | Pass |
| Band4 | 3   | 20385 | 8  | #0   | QPSK  | 21.75 | -1.88 | 19.87 | 30.00 | Pass |
| Band4 | 3   | 20385 | 8  | #Mid | QPSK  | 21.75 | -1.88 | 19.87 | 30.00 | Pass |
| Band4 | 3   | 20385 | 8  | #Max | QPSK  | 21.78 | -1.88 | 19.90 | 30.00 | Pass |
| Band4 | 3   | 20385 | 15 | #0   | QPSK  | 21.71 | -1.88 | 19.83 | 30.00 | Pass |
| Band4 | 3   | 20385 | 1  | #0   | QAM16 | 21.95 | -1.88 | 20.07 | 30.00 | Pass |
| Band4 | 3   | 20385 | 1  | #Mid | QAM16 | 22.2  | -1.88 | 20.32 | 30.00 | Pass |
| Band4 | 3   | 20385 | 1  | #Max | QAM16 | 21.95 | -1.88 | 20.07 | 30.00 | Pass |
| Band4 | 3   | 20385 | 8  | #0   | QAM16 | 20.82 | -1.88 | 18.94 | 30.00 | Pass |

|       |   |       |    |      |       |       |       |       |       |      |
|-------|---|-------|----|------|-------|-------|-------|-------|-------|------|
| Band4 | 3 | 20385 | 8  | #Mid | QAM16 | 20.83 | -1.88 | 18.95 | 30.00 | Pass |
| Band4 | 3 | 20385 | 8  | #Max | QAM16 | 20.81 | -1.88 | 18.93 | 30.00 | Pass |
| Band4 | 3 | 20385 | 15 | #0   | QAM16 | 20.69 | -1.88 | 18.81 | 30.00 | Pass |
| Band4 | 5 | 19975 | 1  | #0   | QPSK  | 22.65 | -1.88 | 20.77 | 30.00 | Pass |
| Band4 | 5 | 19975 | 1  | #Mid | QPSK  | 22.97 | -1.88 | 21.09 | 30.00 | Pass |
| Band4 | 5 | 19975 | 1  | #Max | QPSK  | 22.67 | -1.88 | 20.79 | 30.00 | Pass |
| Band4 | 5 | 19975 | 12 | #0   | QPSK  | 21.7  | -1.88 | 19.82 | 30.00 | Pass |
| Band4 | 5 | 19975 | 12 | #Mid | QPSK  | 21.77 | -1.88 | 19.89 | 30.00 | Pass |
| Band4 | 5 | 19975 | 12 | #Max | QPSK  | 21.72 | -1.88 | 19.84 | 30.00 | Pass |
| Band4 | 5 | 19975 | 25 | #0   | QPSK  | 21.75 | -1.88 | 19.87 | 30.00 | Pass |
| Band4 | 5 | 19975 | 1  | #0   | QAM16 | 22.1  | -1.88 | 20.22 | 30.00 | Pass |
| Band4 | 5 | 19975 | 1  | #Mid | QAM16 | 22.52 | -1.88 | 20.64 | 30.00 | Pass |
| Band4 | 5 | 19975 | 1  | #Max | QAM16 | 22.14 | -1.88 | 20.26 | 30.00 | Pass |
| Band4 | 5 | 19975 | 12 | #0   | QAM16 | 20.72 | -1.88 | 18.84 | 30.00 | Pass |
| Band4 | 5 | 19975 | 12 | #Mid | QAM16 | 20.78 | -1.88 | 18.90 | 30.00 | Pass |
| Band4 | 5 | 19975 | 12 | #Max | QAM16 | 20.72 | -1.88 | 18.84 | 30.00 | Pass |
| Band4 | 5 | 19975 | 25 | #0   | QAM16 | 20.76 | -1.88 | 18.88 | 30.00 | Pass |
| Band4 | 5 | 20175 | 1  | #0   | QPSK  | 22.65 | -1.88 | 20.77 | 30.00 | Pass |
| Band4 | 5 | 20175 | 1  | #Mid | QPSK  | 23.06 | -1.88 | 21.18 | 30.00 | Pass |
| Band4 | 5 | 20175 | 1  | #Max | QPSK  | 22.61 | -1.88 | 20.73 | 30.00 | Pass |
| Band4 | 5 | 20175 | 12 | #0   | QPSK  | 21.69 | -1.88 | 19.81 | 30.00 | Pass |
| Band4 | 5 | 20175 | 12 | #Mid | QPSK  | 21.79 | -1.88 | 19.91 | 30.00 | Pass |
| Band4 | 5 | 20175 | 12 | #Max | QPSK  | 21.64 | -1.88 | 19.76 | 30.00 | Pass |
| Band4 | 5 | 20175 | 25 | #0   | QPSK  | 21.69 | -1.88 | 19.81 | 30.00 | Pass |
| Band4 | 5 | 20175 | 1  | #0   | QAM16 | 21.9  | -1.88 | 20.02 | 30.00 | Pass |
| Band4 | 5 | 20175 | 1  | #Mid | QAM16 | 22.34 | -1.88 | 20.46 | 30.00 | Pass |
| Band4 | 5 | 20175 | 1  | #Max | QAM16 | 21.89 | -1.88 | 20.01 | 30.00 | Pass |
| Band4 | 5 | 20175 | 12 | #0   | QAM16 | 20.64 | -1.88 | 18.76 | 30.00 | Pass |
| Band4 | 5 | 20175 | 12 | #Mid | QAM16 | 20.69 | -1.88 | 18.81 | 30.00 | Pass |
| Band4 | 5 | 20175 | 12 | #Max | QAM16 | 20.62 | -1.88 | 18.74 | 30.00 | Pass |
| Band4 | 5 | 20175 | 25 | #0   | QAM16 | 20.76 | -1.88 | 18.88 | 30.00 | Pass |
| Band4 | 5 | 20375 | 1  | #0   | QPSK  | 22.6  | -1.88 | 20.72 | 30.00 | Pass |
| Band4 | 5 | 20375 | 1  | #Mid | QPSK  | 22.99 | -1.88 | 21.11 | 30.00 | Pass |
| Band4 | 5 | 20375 | 1  | #Max | QPSK  | 22.59 | -1.88 | 20.71 | 30.00 | Pass |
| Band4 | 5 | 20375 | 12 | #0   | QPSK  | 21.73 | -1.88 | 19.85 | 30.00 | Pass |
| Band4 | 5 | 20375 | 12 | #Mid | QPSK  | 21.81 | -1.88 | 19.93 | 30.00 | Pass |
| Band4 | 5 | 20375 | 12 | #Max | QPSK  | 21.77 | -1.88 | 19.89 | 30.00 | Pass |
| Band4 | 5 | 20375 | 25 | #0   | QPSK  | 21.74 | -1.88 | 19.86 | 30.00 | Pass |
| Band4 | 5 | 20375 | 1  | #0   | QAM16 | 21.96 | -1.88 | 20.08 | 30.00 | Pass |
| Band4 | 5 | 20375 | 1  | #Mid | QAM16 | 22.35 | -1.88 | 20.47 | 30.00 | Pass |
| Band4 | 5 | 20375 | 1  | #Max | QAM16 | 21.98 | -1.88 | 20.10 | 30.00 | Pass |
| Band4 | 5 | 20375 | 12 | #0   | QAM16 | 20.79 | -1.88 | 18.91 | 30.00 | Pass |
| Band4 | 5 | 20375 | 12 | #Mid | QAM16 | 20.83 | -1.88 | 18.95 | 30.00 | Pass |
| Band4 | 5 | 20375 | 12 | #Max | QAM16 | 20.8  | -1.88 | 18.92 | 30.00 | Pass |

|       |    |       |    |      |       |       |       |       |       |      |
|-------|----|-------|----|------|-------|-------|-------|-------|-------|------|
| Band4 | 5  | 20375 | 25 | #0   | QAM16 | 20.76 | -1.88 | 18.88 | 30.00 | Pass |
| Band4 | 10 | 20000 | 1  | #0   | QPSK  | 22.8  | -1.88 | 20.92 | 30.00 | Pass |
| Band4 | 10 | 20000 | 1  | #Mid | QPSK  | 22.89 | -1.88 | 21.01 | 30.00 | Pass |
| Band4 | 10 | 20000 | 1  | #Max | QPSK  | 22.76 | -1.88 | 20.88 | 30.00 | Pass |
| Band4 | 10 | 20000 | 25 | #0   | QPSK  | 21.74 | -1.88 | 19.86 | 30.00 | Pass |
| Band4 | 10 | 20000 | 25 | #Mid | QPSK  | 21.74 | -1.88 | 19.86 | 30.00 | Pass |
| Band4 | 10 | 20000 | 25 | #Max | QPSK  | 21.82 | -1.88 | 19.94 | 30.00 | Pass |
| Band4 | 10 | 20000 | 50 | #0   | QPSK  | 21.77 | -1.88 | 19.89 | 30.00 | Pass |
| Band4 | 10 | 20000 | 1  | #0   | QAM16 | 22.09 | -1.88 | 20.21 | 30.00 | Pass |
| Band4 | 10 | 20000 | 1  | #Mid | QAM16 | 22.17 | -1.88 | 20.29 | 30.00 | Pass |
| Band4 | 10 | 20000 | 1  | #Max | QAM16 | 22.12 | -1.88 | 20.24 | 30.00 | Pass |
| Band4 | 10 | 20000 | 25 | #0   | QAM16 | 20.86 | -1.88 | 18.98 | 30.00 | Pass |
| Band4 | 10 | 20000 | 25 | #Mid | QAM16 | 20.83 | -1.88 | 18.95 | 30.00 | Pass |
| Band4 | 10 | 20000 | 25 | #Max | QAM16 | 20.86 | -1.88 | 18.98 | 30.00 | Pass |
| Band4 | 10 | 20000 | 50 | #0   | QAM16 | 20.77 | -1.88 | 18.89 | 30.00 | Pass |
| Band4 | 10 | 20175 | 1  | #0   | QPSK  | 22.68 | -1.88 | 20.80 | 30.00 | Pass |
| Band4 | 10 | 20175 | 1  | #Mid | QPSK  | 22.75 | -1.88 | 20.87 | 30.00 | Pass |
| Band4 | 10 | 20175 | 1  | #Max | QPSK  | 22.68 | -1.88 | 20.80 | 30.00 | Pass |
| Band4 | 10 | 20175 | 25 | #0   | QPSK  | 21.74 | -1.88 | 19.86 | 30.00 | Pass |
| Band4 | 10 | 20175 | 25 | #Mid | QPSK  | 21.67 | -1.88 | 19.79 | 30.00 | Pass |
| Band4 | 10 | 20175 | 25 | #Max | QPSK  | 21.68 | -1.88 | 19.80 | 30.00 | Pass |
| Band4 | 10 | 20175 | 50 | #0   | QPSK  | 21.73 | -1.88 | 19.85 | 30.00 | Pass |
| Band4 | 10 | 20175 | 1  | #0   | QAM16 | 21.83 | -1.88 | 19.95 | 30.00 | Pass |
| Band4 | 10 | 20175 | 1  | #Mid | QAM16 | 21.92 | -1.88 | 20.04 | 30.00 | Pass |
| Band4 | 10 | 20175 | 1  | #Max | QAM16 | 21.84 | -1.88 | 19.96 | 30.00 | Pass |
| Band4 | 10 | 20175 | 25 | #0   | QAM16 | 20.79 | -1.88 | 18.91 | 30.00 | Pass |
| Band4 | 10 | 20175 | 25 | #Mid | QAM16 | 20.76 | -1.88 | 18.88 | 30.00 | Pass |
| Band4 | 10 | 20175 | 25 | #Max | QAM16 | 20.75 | -1.88 | 18.87 | 30.00 | Pass |
| Band4 | 10 | 20175 | 50 | #0   | QAM16 | 20.78 | -1.88 | 18.90 | 30.00 | Pass |
| Band4 | 10 | 20350 | 1  | #0   | QPSK  | 22.92 | -1.88 | 21.04 | 30.00 | Pass |
| Band4 | 10 | 20350 | 1  | #Mid | QPSK  | 22.83 | -1.88 | 20.95 | 30.00 | Pass |
| Band4 | 10 | 20350 | 1  | #Max | QPSK  | 22.45 | -1.88 | 20.57 | 30.00 | Pass |
| Band4 | 10 | 20350 | 25 | #0   | QPSK  | 21.47 | -1.88 | 19.59 | 30.00 | Pass |
| Band4 | 10 | 20350 | 25 | #Mid | QPSK  | 21.42 | -1.88 | 19.54 | 30.00 | Pass |
| Band4 | 10 | 20350 | 25 | #Max | QPSK  | 21.3  | -1.88 | 19.42 | 30.00 | Pass |
| Band4 | 10 | 20350 | 50 | #0   | QPSK  | 21.3  | -1.88 | 19.42 | 30.00 | Pass |
| Band4 | 10 | 20350 | 1  | #0   | QAM16 | 21.19 | -1.88 | 19.31 | 30.00 | Pass |
| Band4 | 10 | 20350 | 1  | #Mid | QAM16 | 21.26 | -1.88 | 19.38 | 30.00 | Pass |
| Band4 | 10 | 20350 | 1  | #Max | QAM16 | 21.13 | -1.88 | 19.25 | 30.00 | Pass |
| Band4 | 10 | 20350 | 25 | #0   | QAM16 | 20.36 | -1.88 | 18.48 | 30.00 | Pass |
| Band4 | 10 | 20350 | 25 | #Mid | QAM16 | 20.47 | -1.88 | 18.59 | 30.00 | Pass |
| Band4 | 10 | 20350 | 25 | #Max | QAM16 | 20.25 | -1.88 | 18.37 | 30.00 | Pass |
| Band4 | 10 | 20350 | 50 | #0   | QAM16 | 20.33 | -1.88 | 18.45 | 30.00 | Pass |
| Band4 | 15 | 20025 | 1  | #0   | QPSK  | 22.66 | -1.88 | 20.78 | 30.00 | Pass |

|       |    |       |    |      |       |       |       |       |       |      |
|-------|----|-------|----|------|-------|-------|-------|-------|-------|------|
| Band4 | 15 | 20025 | 1  | #Mid | QPSK  | 23.01 | -1.88 | 21.13 | 30.00 | Pass |
| Band4 | 15 | 20025 | 1  | #Max | QPSK  | 22.56 | -1.88 | 20.68 | 30.00 | Pass |
| Band4 | 15 | 20025 | 36 | #0   | QPSK  | 21.81 | -1.88 | 19.93 | 30.00 | Pass |
| Band4 | 15 | 20025 | 36 | #Mid | QPSK  | 21.82 | -1.88 | 19.94 | 30.00 | Pass |
| Band4 | 15 | 20025 | 36 | #Max | QPSK  | 21.81 | -1.88 | 19.93 | 30.00 | Pass |
| Band4 | 15 | 20025 | 75 | #0   | QPSK  | 21.83 | -1.88 | 19.95 | 30.00 | Pass |
| Band4 | 15 | 20025 | 1  | #0   | QAM16 | 21.99 | -1.88 | 20.11 | 30.00 | Pass |
| Band4 | 15 | 20025 | 1  | #Mid | QAM16 | 22.28 | -1.88 | 20.40 | 30.00 | Pass |
| Band4 | 15 | 20025 | 1  | #Max | QAM16 | 21.97 | -1.88 | 20.09 | 30.00 | Pass |
| Band4 | 15 | 20025 | 36 | #0   | QAM16 | 20.83 | -1.88 | 18.95 | 30.00 | Pass |
| Band4 | 15 | 20025 | 36 | #Mid | QAM16 | 20.83 | -1.88 | 18.95 | 30.00 | Pass |
| Band4 | 15 | 20025 | 36 | #Max | QAM16 | 20.82 | -1.88 | 18.94 | 30.00 | Pass |
| Band4 | 15 | 20025 | 75 | #0   | QAM16 | 20.85 | -1.88 | 18.97 | 30.00 | Pass |
| Band4 | 15 | 20175 | 1  | #0   | QPSK  | 22.56 | -1.88 | 20.68 | 30.00 | Pass |
| Band4 | 15 | 20175 | 1  | #Mid | QPSK  | 22.9  | -1.88 | 21.02 | 30.00 | Pass |
| Band4 | 15 | 20175 | 1  | #Max | QPSK  | 22.5  | -1.88 | 20.62 | 30.00 | Pass |
| Band4 | 15 | 20175 | 36 | #0   | QPSK  | 21.8  | -1.88 | 19.92 | 30.00 | Pass |
| Band4 | 15 | 20175 | 36 | #Mid | QPSK  | 21.77 | -1.88 | 19.89 | 30.00 | Pass |
| Band4 | 15 | 20175 | 36 | #Max | QPSK  | 21.67 | -1.88 | 19.79 | 30.00 | Pass |
| Band4 | 15 | 20175 | 75 | #0   | QPSK  | 21.8  | -1.88 | 19.92 | 30.00 | Pass |
| Band4 | 15 | 20175 | 1  | #0   | QAM16 | 21.78 | -1.88 | 19.90 | 30.00 | Pass |
| Band4 | 15 | 20175 | 1  | #Mid | QAM16 | 22.1  | -1.88 | 20.22 | 30.00 | Pass |
| Band4 | 15 | 20175 | 1  | #Max | QAM16 | 21.71 | -1.88 | 19.83 | 30.00 | Pass |
| Band4 | 15 | 20175 | 36 | #0   | QAM16 | 20.84 | -1.88 | 18.96 | 30.00 | Pass |
| Band4 | 15 | 20175 | 36 | #Mid | QAM16 | 20.81 | -1.88 | 18.93 | 30.00 | Pass |
| Band4 | 15 | 20175 | 36 | #Max | QAM16 | 20.73 | -1.88 | 18.85 | 30.00 | Pass |
| Band4 | 15 | 20175 | 75 | #0   | QAM16 | 20.78 | -1.88 | 18.90 | 30.00 | Pass |
| Band4 | 15 | 20325 | 1  | #0   | QPSK  | 22.78 | -1.88 | 20.90 | 30.00 | Pass |
| Band4 | 15 | 20325 | 1  | #Mid | QPSK  | 23.11 | -1.88 | 21.23 | 30.00 | Pass |
| Band4 | 15 | 20325 | 1  | #Max | QPSK  | 22.68 | -1.88 | 20.80 | 30.00 | Pass |
| Band4 | 15 | 20325 | 36 | #0   | QPSK  | 21.84 | -1.88 | 19.96 | 30.00 | Pass |
| Band4 | 15 | 20325 | 36 | #Mid | QPSK  | 21.82 | -1.88 | 19.94 | 30.00 | Pass |
| Band4 | 15 | 20325 | 36 | #Max | QPSK  | 21.73 | -1.88 | 19.85 | 30.00 | Pass |
| Band4 | 15 | 20325 | 75 | #0   | QPSK  | 21.82 | -1.88 | 19.94 | 30.00 | Pass |
| Band4 | 15 | 20325 | 1  | #0   | QAM16 | 21.84 | -1.88 | 19.96 | 30.00 | Pass |
| Band4 | 15 | 20325 | 1  | #Mid | QAM16 | 22.04 | -1.88 | 20.16 | 30.00 | Pass |
| Band4 | 15 | 20325 | 1  | #Max | QAM16 | 21.74 | -1.88 | 19.86 | 30.00 | Pass |
| Band4 | 15 | 20325 | 36 | #0   | QAM16 | 20.8  | -1.88 | 18.92 | 30.00 | Pass |
| Band4 | 15 | 20325 | 36 | #Mid | QAM16 | 20.77 | -1.88 | 18.89 | 30.00 | Pass |
| Band4 | 15 | 20325 | 36 | #Max | QAM16 | 20.72 | -1.88 | 18.84 | 30.00 | Pass |
| Band4 | 15 | 20325 | 75 | #0   | QAM16 | 20.88 | -1.88 | 19.00 | 30.00 | Pass |
| Band4 | 20 | 20050 | 1  | #0   | QPSK  | 22.55 | -1.88 | 20.67 | 30.00 | Pass |
| Band4 | 20 | 20050 | 1  | #Mid | QPSK  | 22.83 | -1.88 | 20.95 | 30.00 | Pass |
| Band4 | 20 | 20050 | 1  | #Max | QPSK  | 22.38 | -1.88 | 20.50 | 30.00 | Pass |

|       |    |       |     |      |       |       |       |       |       |      |
|-------|----|-------|-----|------|-------|-------|-------|-------|-------|------|
| Band4 | 20 | 20050 | 50  | #0   | QPSK  | 21.69 | -1.88 | 19.81 | 30.00 | Pass |
| Band4 | 20 | 20050 | 50  | #Mid | QPSK  | 21.79 | -1.88 | 19.91 | 30.00 | Pass |
| Band4 | 20 | 20050 | 50  | #Max | QPSK  | 21.7  | -1.88 | 19.82 | 30.00 | Pass |
| Band4 | 20 | 20050 | 100 | #0   | QPSK  | 21.66 | -1.88 | 19.78 | 30.00 | Pass |
| Band4 | 20 | 20050 | 1   | #0   | QAM16 | 21.81 | -1.88 | 19.93 | 30.00 | Pass |
| Band4 | 20 | 20050 | 1   | #Mid | QAM16 | 22.12 | -1.88 | 20.24 | 30.00 | Pass |
| Band4 | 20 | 20050 | 1   | #Max | QAM16 | 21.68 | -1.88 | 19.80 | 30.00 | Pass |
| Band4 | 20 | 20050 | 50  | #0   | QAM16 | 20.8  | -1.88 | 18.92 | 30.00 | Pass |
| Band4 | 20 | 20050 | 50  | #Mid | QAM16 | 20.84 | -1.88 | 18.96 | 30.00 | Pass |
| Band4 | 20 | 20050 | 50  | #Max | QAM16 | 20.77 | -1.88 | 18.89 | 30.00 | Pass |
| Band4 | 20 | 20050 | 100 | #0   | QAM16 | 20.74 | -1.88 | 18.86 | 30.00 | Pass |
| Band4 | 20 | 20175 | 1   | #0   | QPSK  | 22.63 | -1.88 | 20.75 | 30.00 | Pass |
| Band4 | 20 | 20175 | 1   | #Mid | QPSK  | 22.85 | -1.88 | 20.97 | 30.00 | Pass |
| Band4 | 20 | 20175 | 1   | #Max | QPSK  | 22.5  | -1.88 | 20.62 | 30.00 | Pass |
| Band4 | 20 | 20175 | 50  | #0   | QPSK  | 21.69 | -1.88 | 19.81 | 30.00 | Pass |
| Band4 | 20 | 20175 | 50  | #Mid | QPSK  | 21.71 | -1.88 | 19.83 | 30.00 | Pass |
| Band4 | 20 | 20175 | 50  | #Max | QPSK  | 21.56 | -1.88 | 19.68 | 30.00 | Pass |
| Band4 | 20 | 20175 | 100 | #0   | QPSK  | 21.64 | -1.88 | 19.76 | 30.00 | Pass |
| Band4 | 20 | 20175 | 1   | #0   | QAM16 | 21.73 | -1.88 | 19.85 | 30.00 | Pass |
| Band4 | 20 | 20175 | 1   | #Mid | QAM16 | 21.95 | -1.88 | 20.07 | 30.00 | Pass |
| Band4 | 20 | 20175 | 1   | #Max | QAM16 | 21.65 | -1.88 | 19.77 | 30.00 | Pass |
| Band4 | 20 | 20175 | 50  | #0   | QAM16 | 20.75 | -1.88 | 18.87 | 30.00 | Pass |
| Band4 | 20 | 20175 | 50  | #Mid | QAM16 | 20.73 | -1.88 | 18.85 | 30.00 | Pass |
| Band4 | 20 | 20175 | 50  | #Max | QAM16 | 20.57 | -1.88 | 18.69 | 30.00 | Pass |
| Band4 | 20 | 20175 | 100 | #0   | QAM16 | 20.68 | -1.88 | 18.80 | 30.00 | Pass |
| Band4 | 20 | 20300 | 1   | #0   | QPSK  | 22.5  | -1.88 | 20.62 | 30.00 | Pass |
| Band4 | 20 | 20300 | 1   | #Mid | QPSK  | 22.53 | -1.88 | 20.65 | 30.00 | Pass |
| Band4 | 20 | 20300 | 1   | #Max | QPSK  | 22.19 | -1.88 | 20.31 | 30.00 | Pass |
| Band4 | 20 | 20300 | 50  | #0   | QPSK  | 21.32 | -1.88 | 19.44 | 30.00 | Pass |
| Band4 | 20 | 20300 | 50  | #Mid | QPSK  | 21.31 | -1.88 | 19.43 | 30.00 | Pass |
| Band4 | 20 | 20300 | 50  | #Max | QPSK  | 21.17 | -1.88 | 19.29 | 30.00 | Pass |
| Band4 | 20 | 20300 | 100 | #0   | QPSK  | 21.31 | -1.88 | 19.43 | 30.00 | Pass |
| Band4 | 20 | 20300 | 1   | #0   | QAM16 | 21.45 | -1.88 | 19.57 | 30.00 | Pass |
| Band4 | 20 | 20300 | 1   | #Mid | QAM16 | 21.66 | -1.88 | 19.78 | 30.00 | Pass |
| Band4 | 20 | 20300 | 1   | #Max | QAM16 | 21.35 | -1.88 | 19.47 | 30.00 | Pass |
| Band4 | 20 | 20300 | 50  | #0   | QAM16 | 20.36 | -1.88 | 18.48 | 30.00 | Pass |
| Band4 | 20 | 20300 | 50  | #Mid | QAM16 | 20.37 | -1.88 | 18.49 | 30.00 | Pass |
| Band4 | 20 | 20300 | 50  | #Max | QAM16 | 20.24 | -1.88 | 18.36 | 30.00 | Pass |
| Band4 | 20 | 20300 | 100 | #0   | QAM16 | 20.27 | -1.88 | 18.39 | 30.00 | Pass |

## 2 Frequency stability

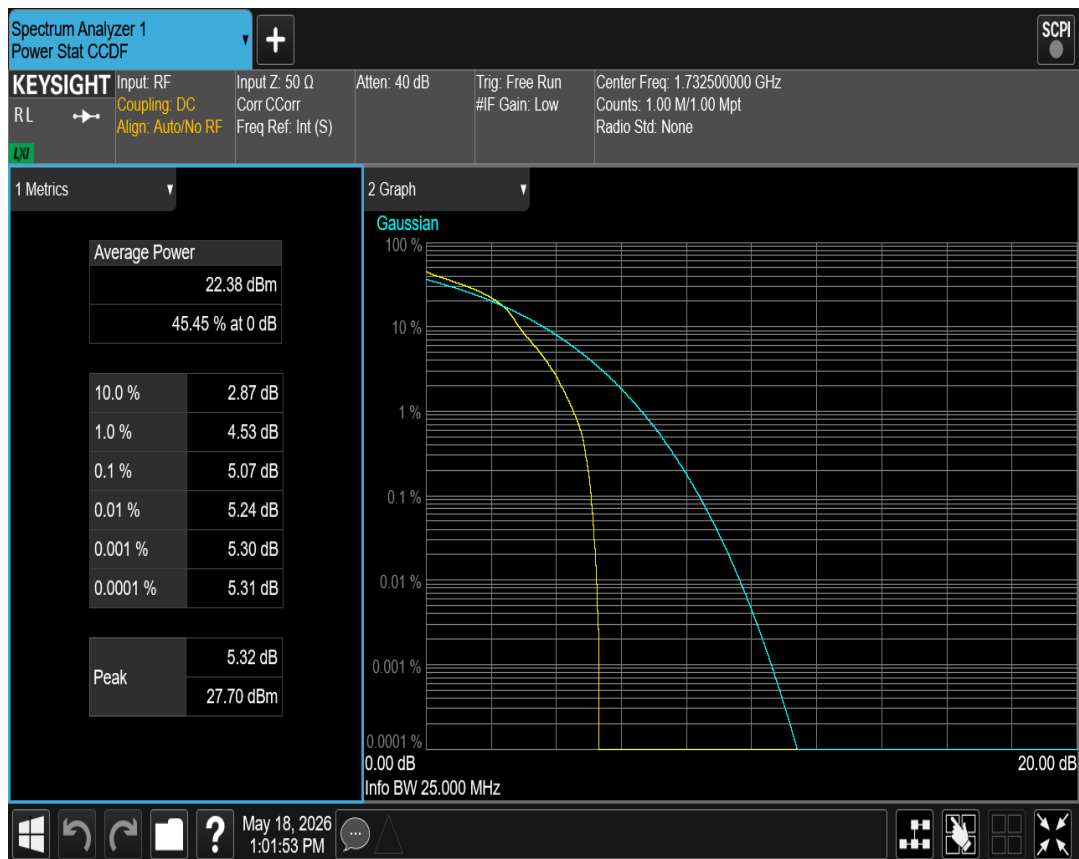
| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>Result(Hz)</i> | <i>Result<br/>(ppm)</i> | <i>Low<br/>Limit<br/>(ppm)</i> | <i>high<br/>Limit<br/>(ppm)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|-------------------|-------------------------|--------------------------------|---------------------------------|----------------|
| Band4       | 20                         | 20050                 | 100                | #0                     | QPSK              | -9.14             | -0.00531                | -2.5                           | 2.5                             | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QAM16             | -5.57             | -0.00324                | -2.5                           | 2.5                             | PASS           |
| Band4       | 20                         | 20175                 | 100                | #0                     | QPSK              | -6.85             | -0.00395                | -2.5                           | 2.5                             | PASS           |
| Band4       | 20                         | 20175                 | 100                | #0                     | QAM16             | -2.50             | -0.00144                | -2.5                           | 2.5                             | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QPSK              | -4.59             | -0.00263                | -2.5                           | 2.5                             | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QAM16             | -3.81             | -0.00218                | -2.5                           | 2.5                             | PASS           |

Note: (Voltage: 3.91V, Temperature: 25°C) only reflect the worst mode.

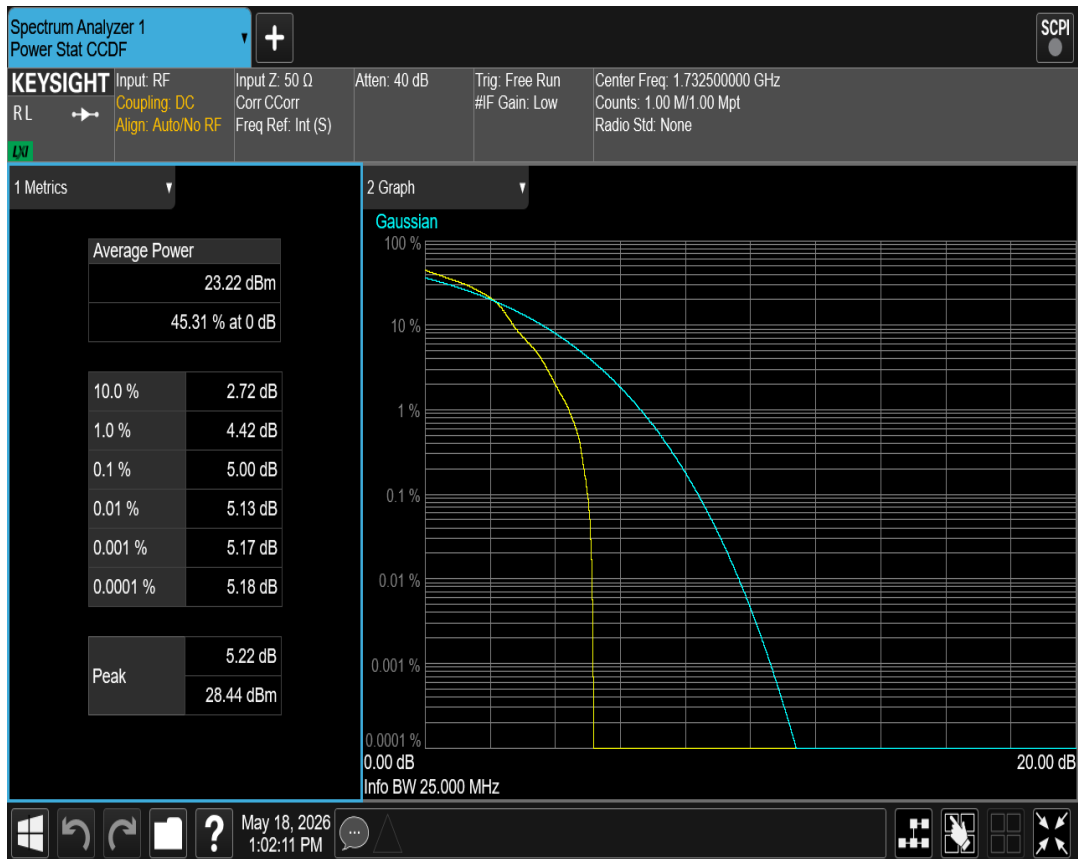
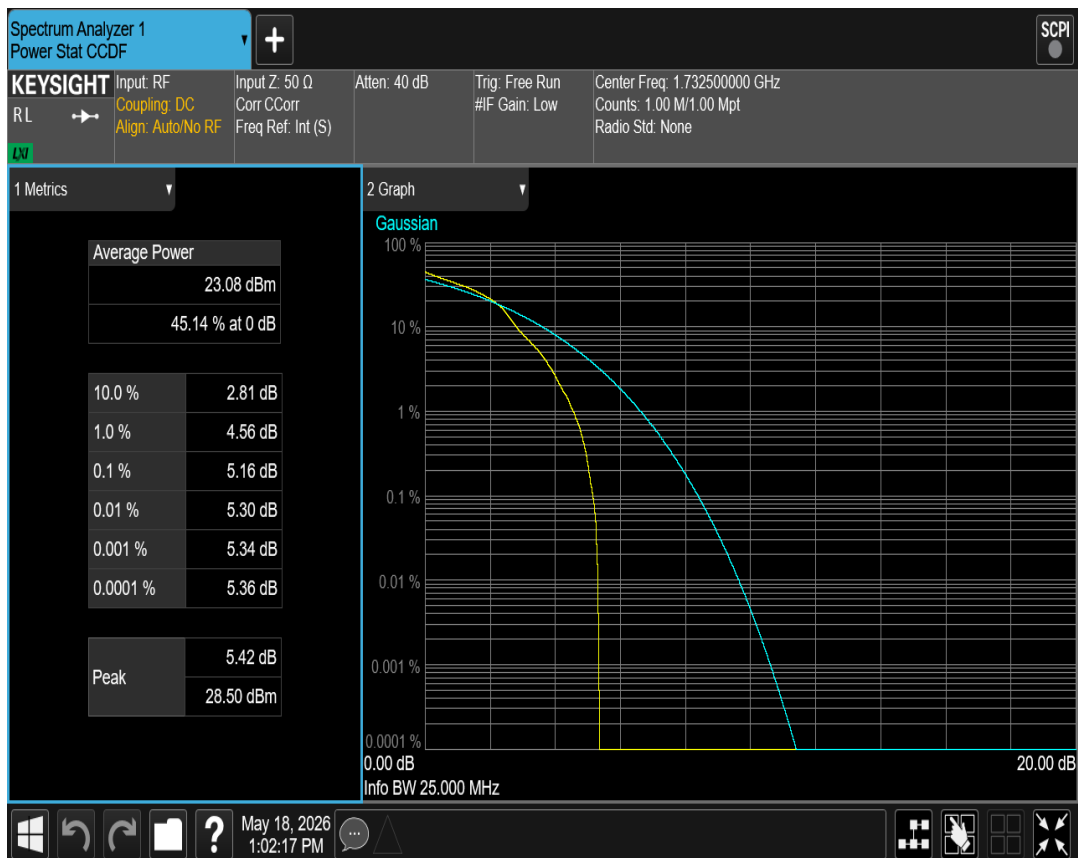
### 3 Peak-to-Average Ratio

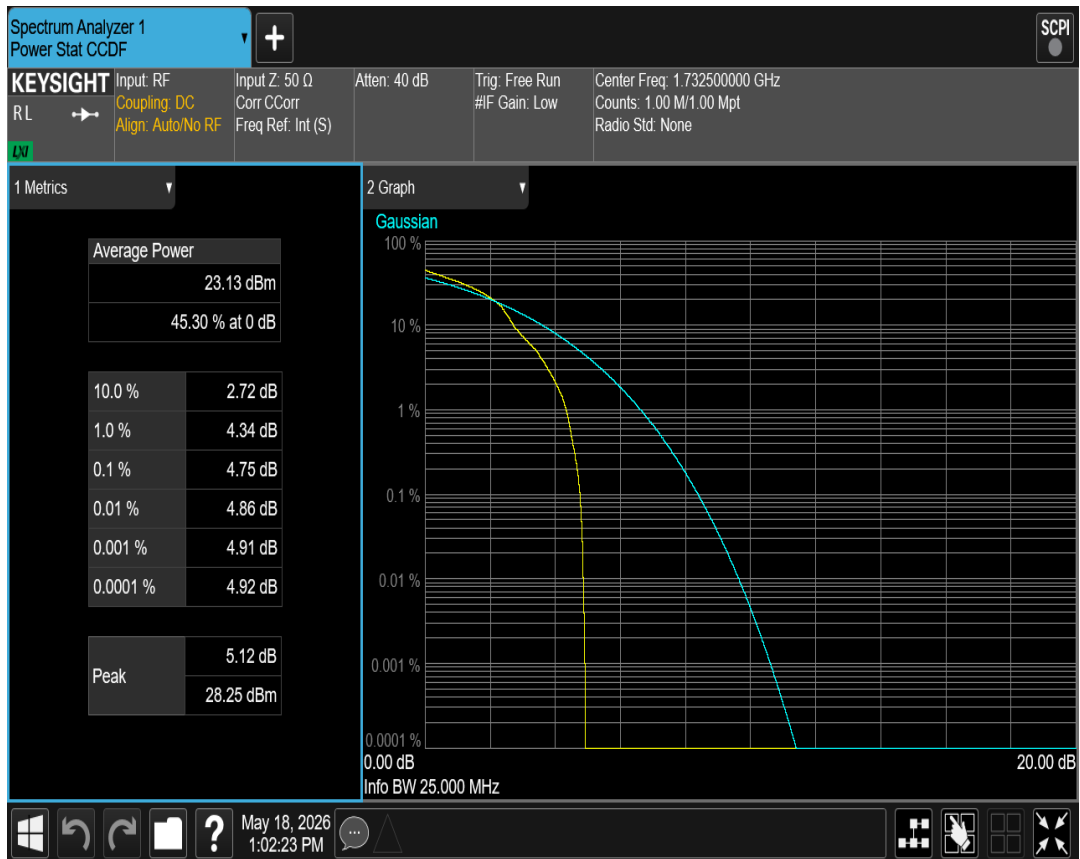
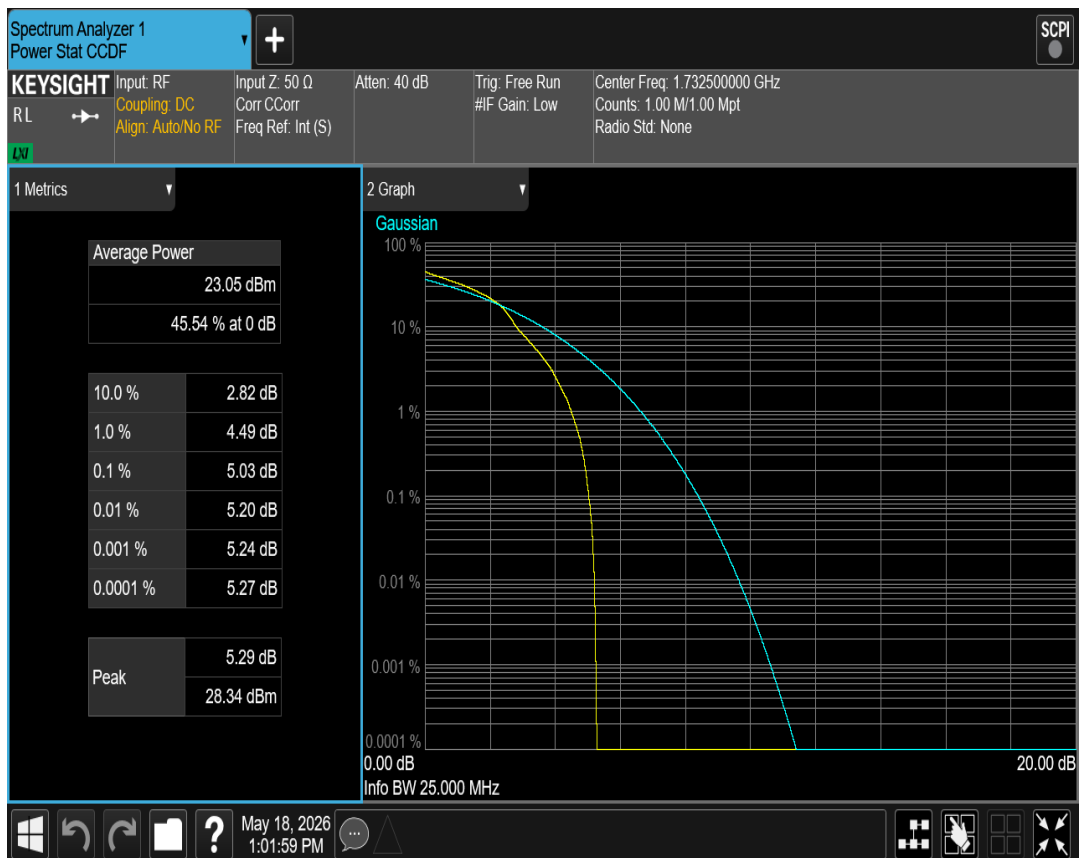
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band4 | 1.4             | 20175      | 1       | #0          | QPSK       | 4.29        | 13              | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | QAM16      | 5.07        | 13              | PASS    |
| Band4 | 3               | 20175      | 1       | #0          | QPSK       | 4.10        | 13              | PASS    |
| Band4 | 3               | 20175      | 1       | #0          | QAM16      | 5.03        | 13              | PASS    |
| Band4 | 5               | 20175      | 1       | #0          | QPSK       | 4.36        | 13              | PASS    |
| Band4 | 5               | 20175      | 1       | #0          | QAM16      | 4.93        | 13              | PASS    |
| Band4 | 10              | 20175      | 1       | #0          | QPSK       | 4.17        | 13              | PASS    |
| Band4 | 10              | 20175      | 1       | #0          | QAM16      | 5.00        | 13              | PASS    |
| Band4 | 15              | 20175      | 1       | #0          | QPSK       | 4.12        | 13              | PASS    |
| Band4 | 15              | 20175      | 1       | #0          | QAM16      | 5.16        | 13              | PASS    |
| Band4 | 20              | 20175      | 1       | #0          | QPSK       | 4.14        | 13              | PASS    |
| Band4 | 20              | 20175      | 1       | #0          | QAM16      | 4.75        | 13              | PASS    |

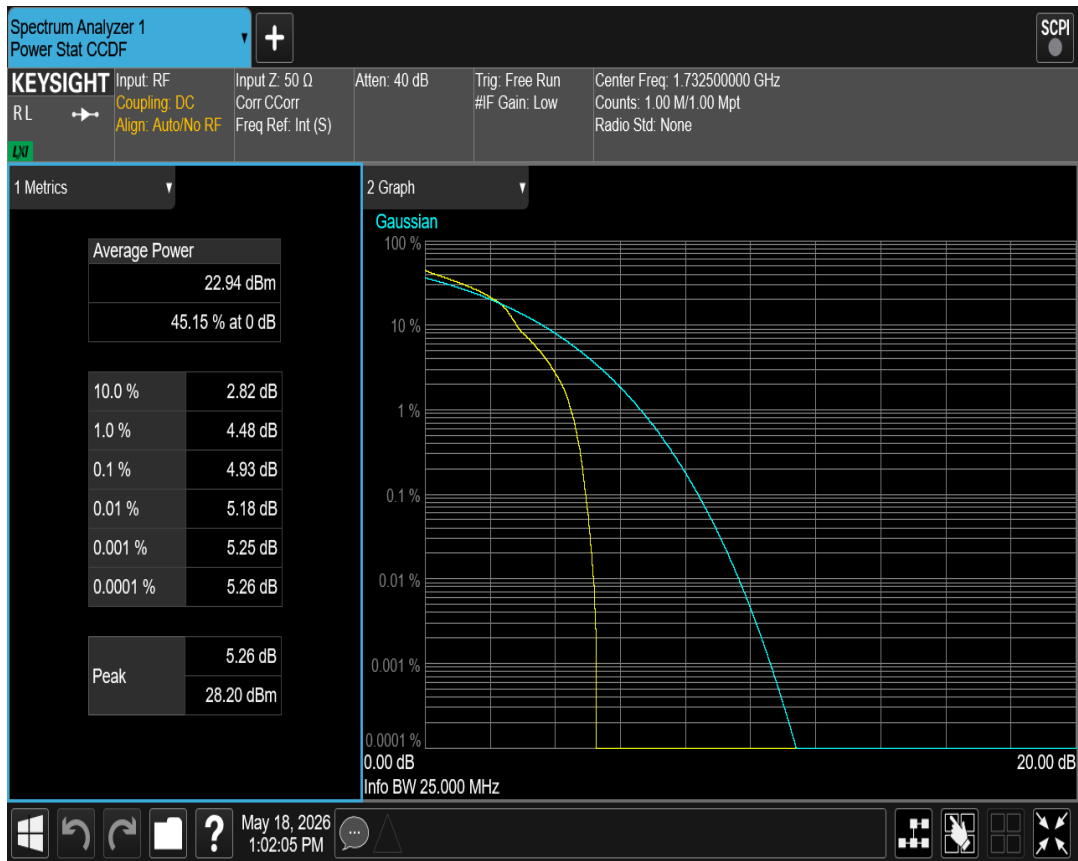
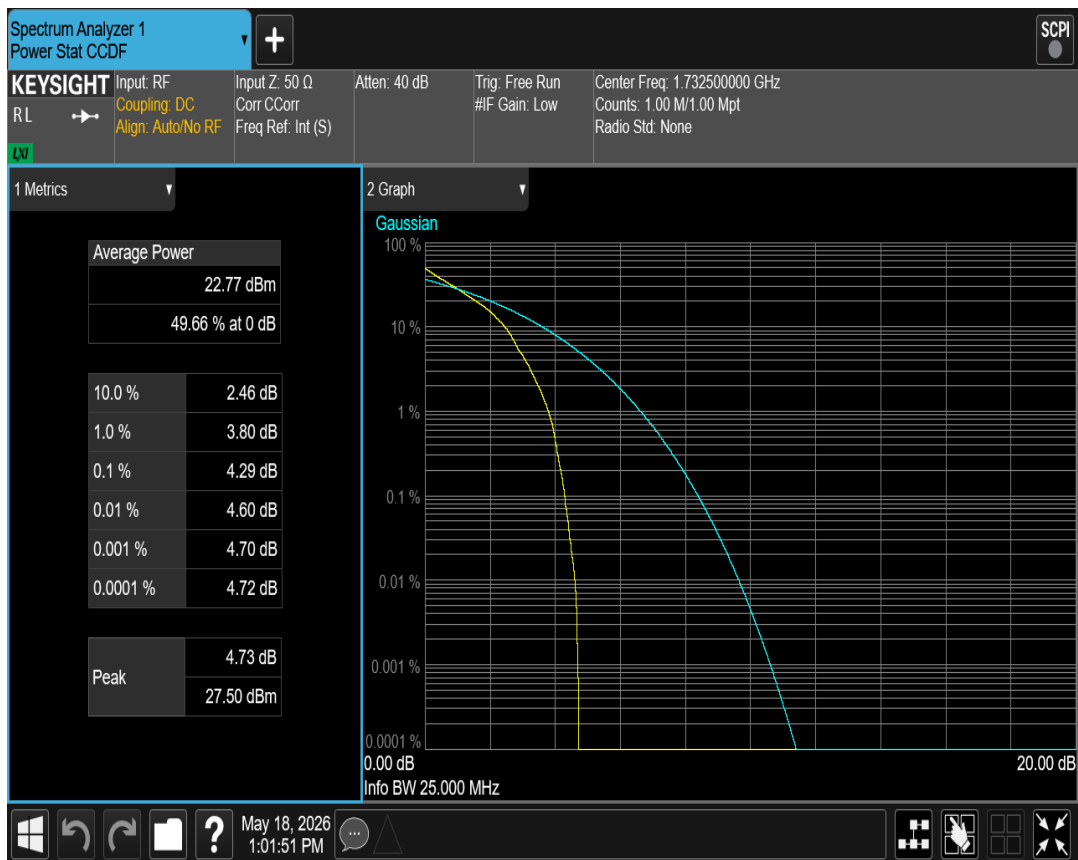
**Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=1 Position=#0**

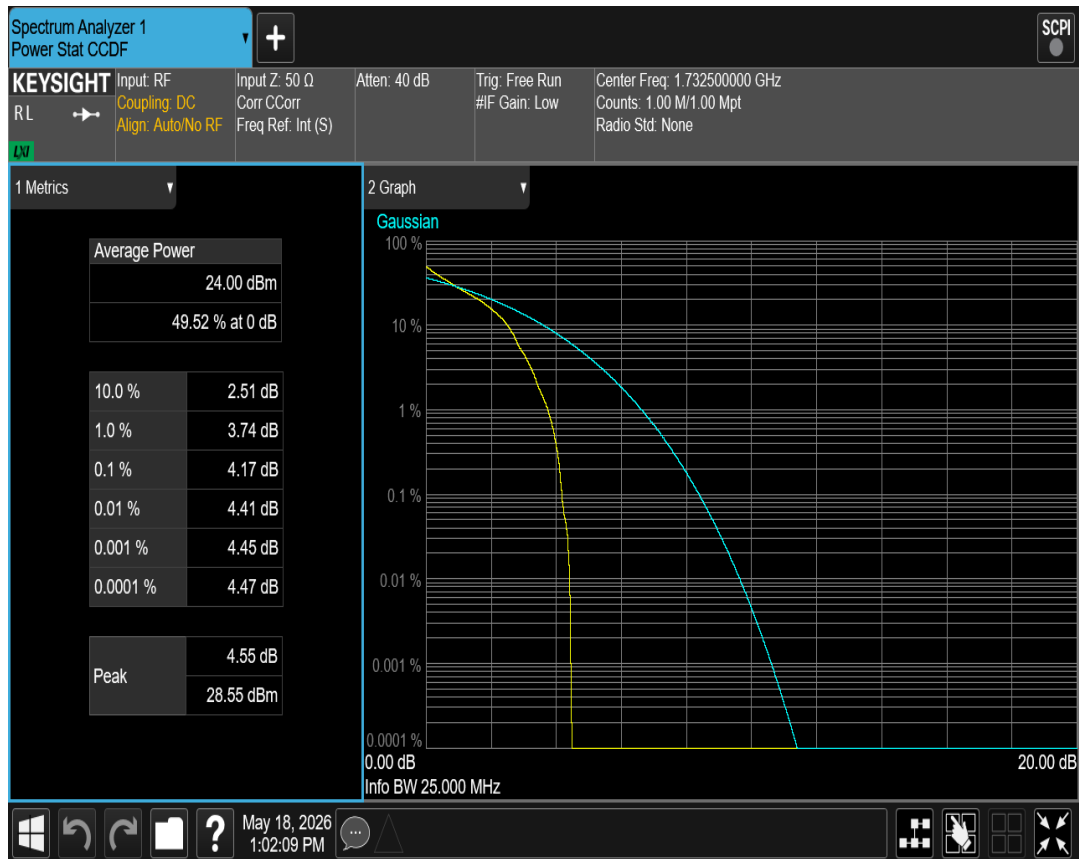
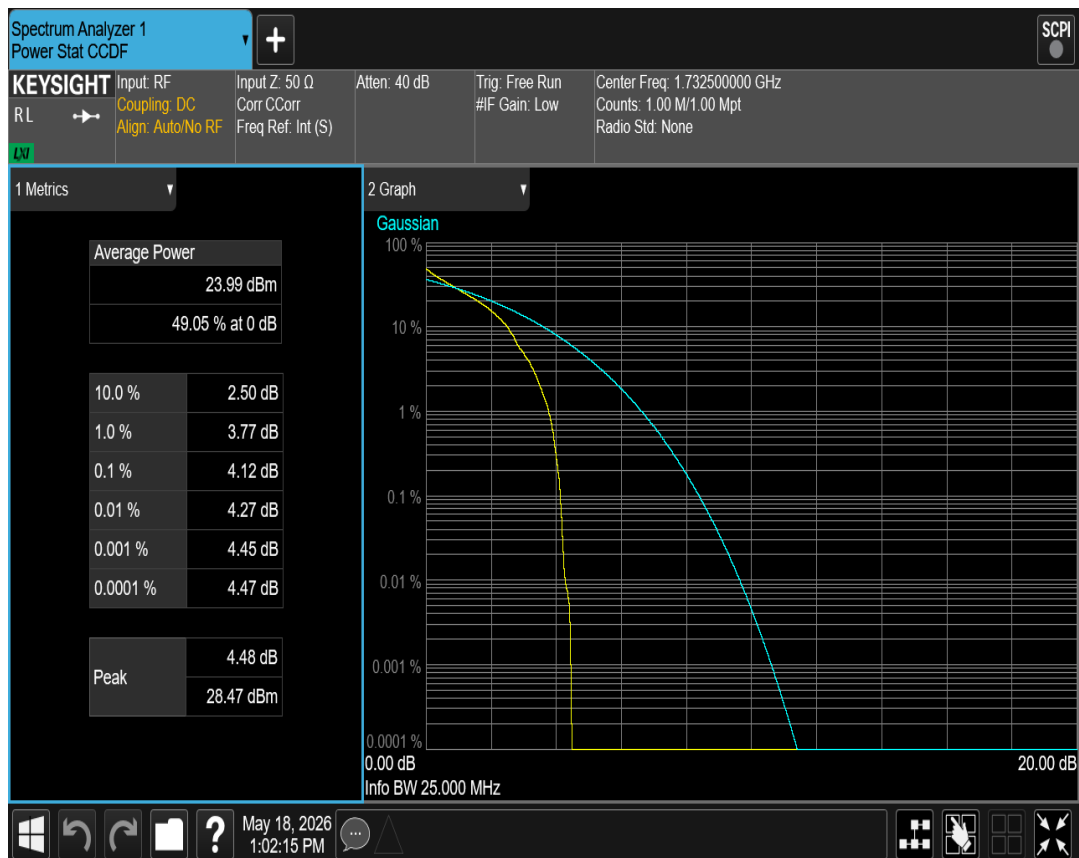


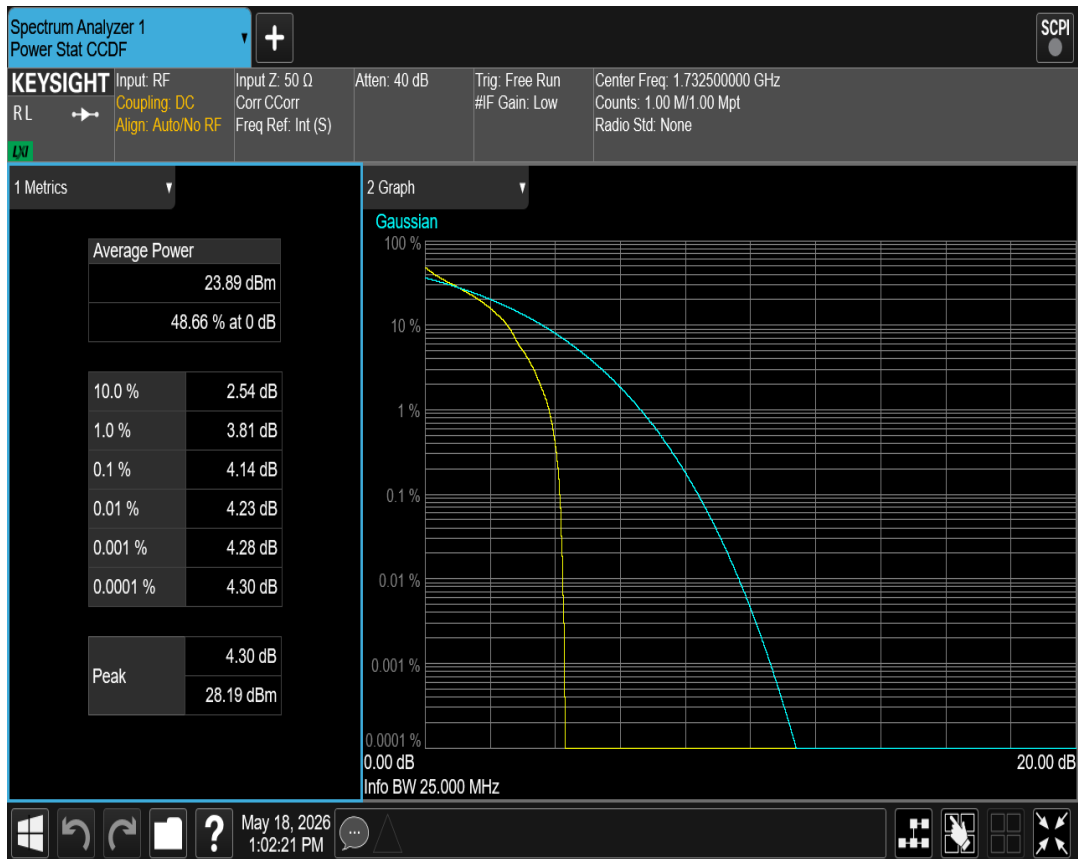
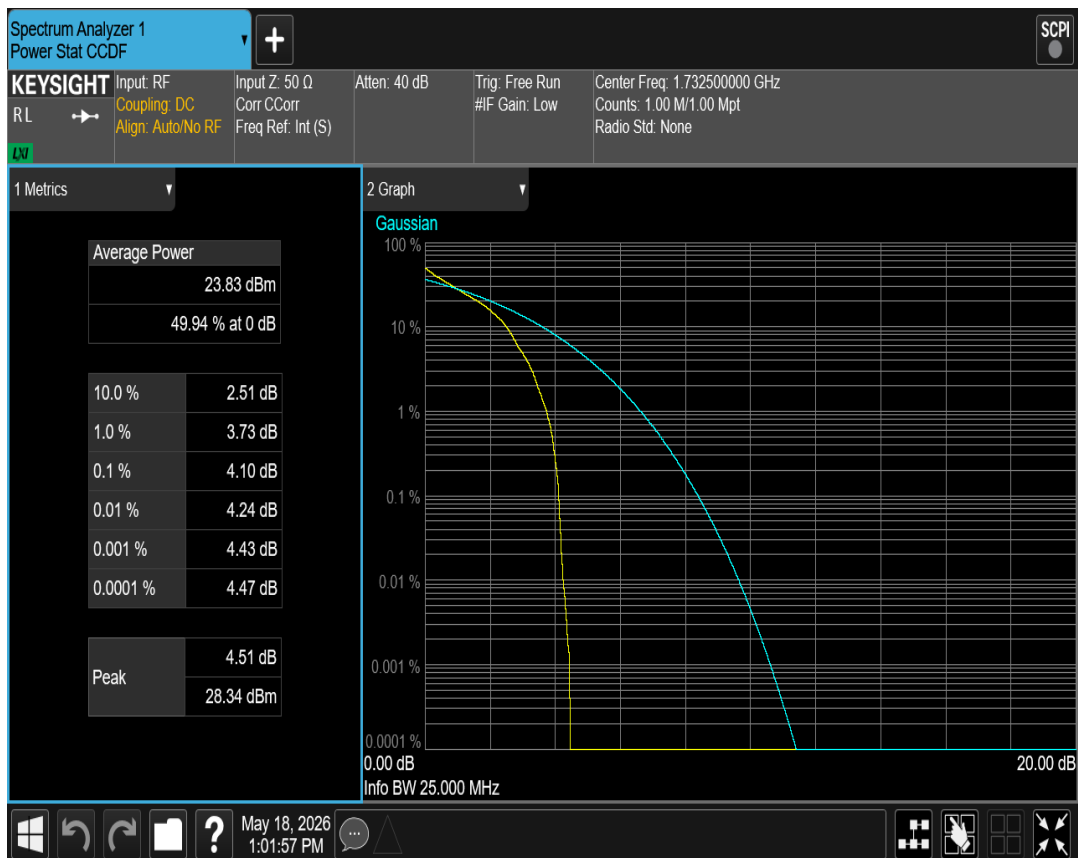
**Band4 QAM16 BW=10MHz Channel=20175 RB Size=1 Position=#0**

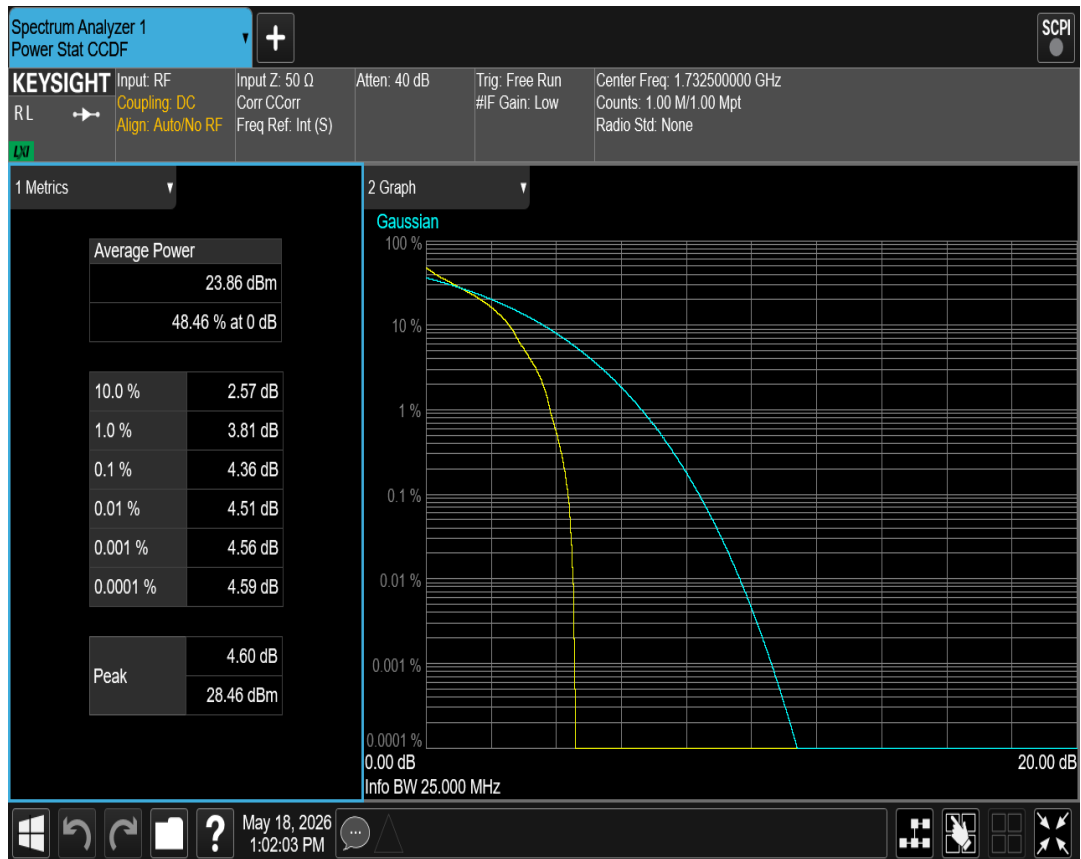
**Band4 QAM16 BW=15MHz Channel=20175 RB Size=1 Position=#0****Band4 QAM16 BW=20MHz Channel=20175 RB Size=1 Position=#0**

**Band4 QAM16 BW=3MHz Channel=20175 RB Size=1 Position=#0****Band4 QAM16 BW=5MHz Channel=20175 RB Size=1 Position=#0**

**Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0****Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0**

**Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0****Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0**

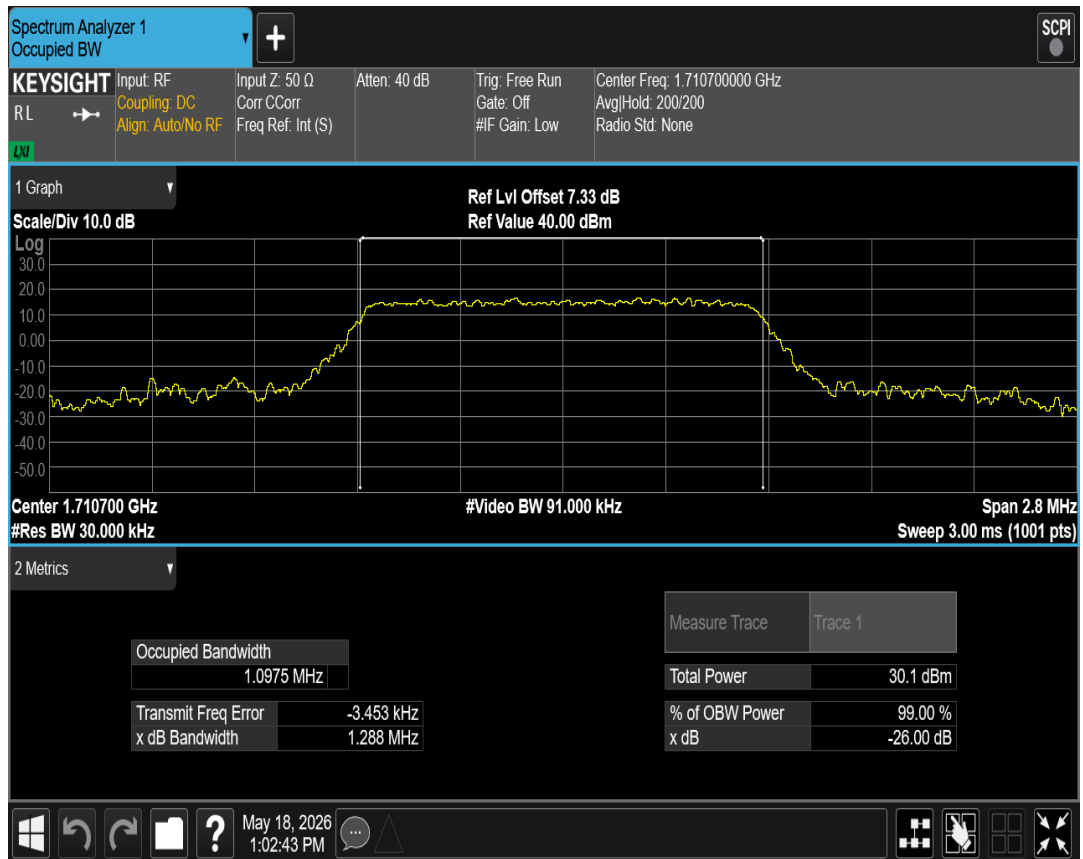
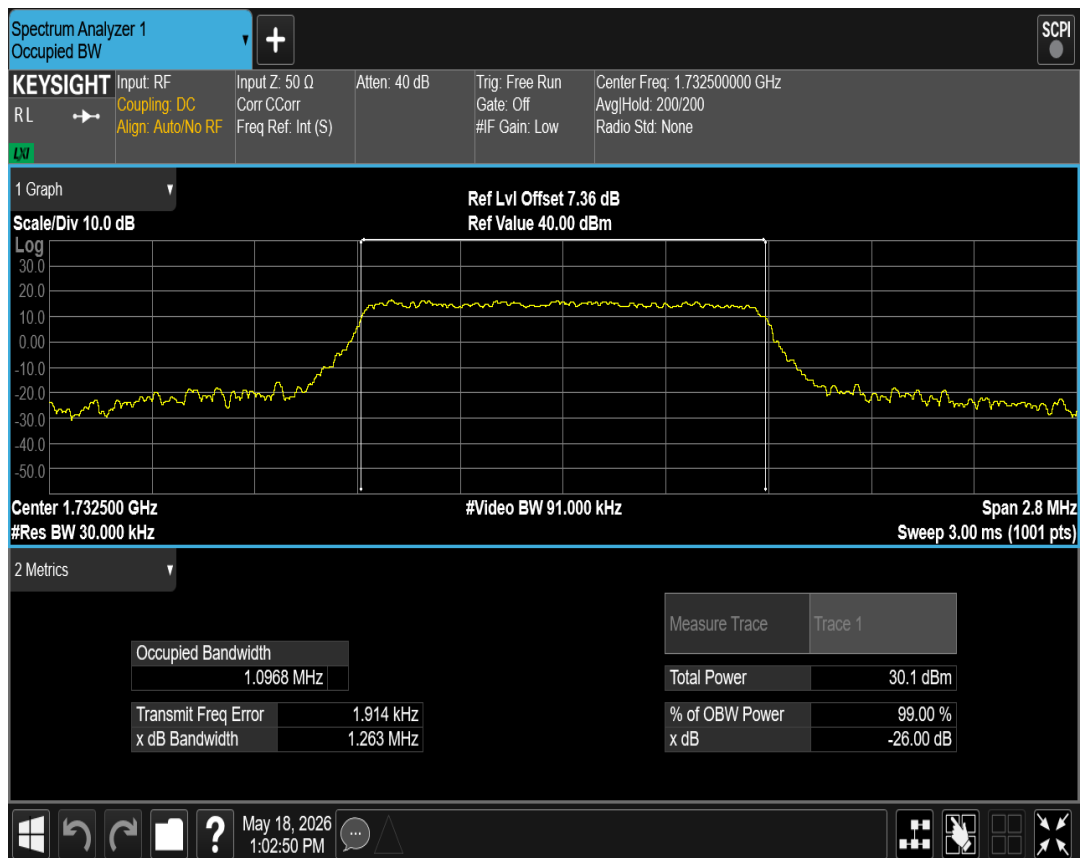
**Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0****Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0**

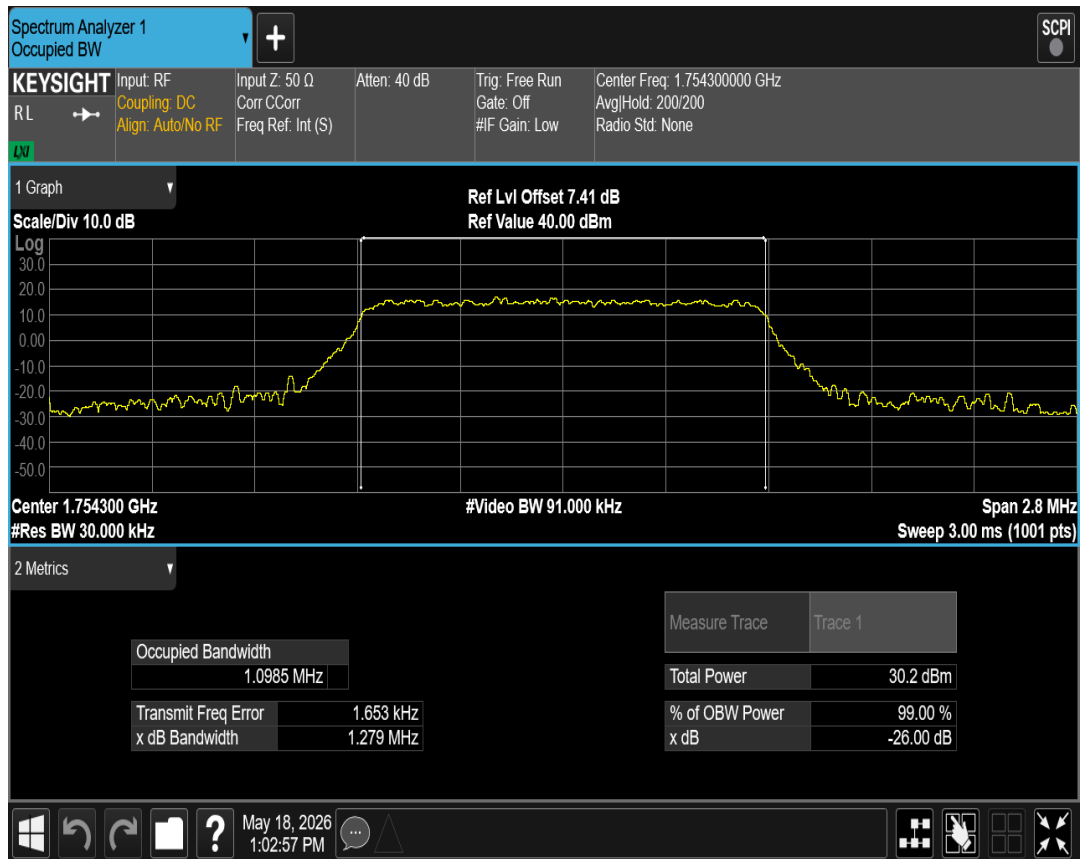


## 4 Occupied bandwidth

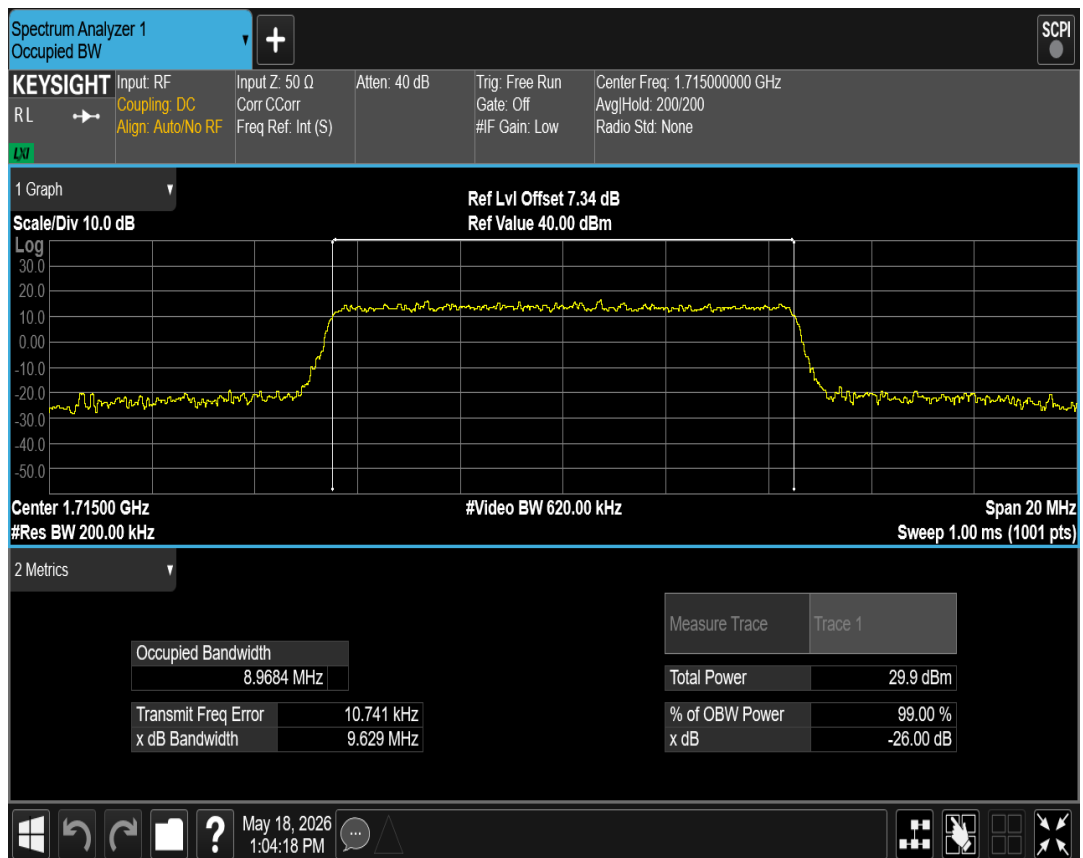
| <b>Band</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Size</b> | <b>RB<br/>Position</b> | <b>Modulation</b> | <b>99%<br/>OBW<br/>(MHz)</b> | <b>-26dB<br/>EBW<br/>(MHz)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|------------------------------|--------------------------------|----------------|
| Band4       | 1.4                        | 19957                 | 6                  | #0                     | QPSK              | 1.087                        | 1.441                          | PASS           |
| Band4       | 1.4                        | 19957                 | 6                  | #0                     | QAM16             | 1.098                        | 1.288                          | PASS           |
| Band4       | 1.4                        | 20175                 | 6                  | #0                     | QPSK              | 1.096                        | 1.286                          | PASS           |
| Band4       | 1.4                        | 20175                 | 6                  | #0                     | QAM16             | 1.097                        | 1.263                          | PASS           |
| Band4       | 1.4                        | 20393                 | 6                  | #0                     | QPSK              | 1.099                        | 1.282                          | PASS           |
| Band4       | 1.4                        | 20393                 | 6                  | #0                     | QAM16             | 1.098                        | 1.279                          | PASS           |
| Band4       | 3                          | 19965                 | 15                 | #0                     | QPSK              | 2.693                        | 2.883                          | PASS           |
| Band4       | 3                          | 19965                 | 15                 | #0                     | QAM16             | 2.688                        | 2.908                          | PASS           |
| Band4       | 3                          | 20175                 | 15                 | #0                     | QPSK              | 2.689                        | 2.920                          | PASS           |
| Band4       | 3                          | 20175                 | 15                 | #0                     | QAM16             | 2.688                        | 2.910                          | PASS           |
| Band4       | 3                          | 20385                 | 15                 | #0                     | QPSK              | 2.691                        | 2.928                          | PASS           |
| Band4       | 3                          | 20385                 | 15                 | #0                     | QAM16             | 2.695                        | 2.921                          | PASS           |
| Band4       | 5                          | 19975                 | 25                 | #0                     | QPSK              | 4.518                        | 4.915                          | PASS           |
| Band4       | 5                          | 19975                 | 25                 | #0                     | QAM16             | 4.495                        | 4.864                          | PASS           |
| Band4       | 5                          | 20175                 | 25                 | #0                     | QPSK              | 4.522                        | 4.956                          | PASS           |
| Band4       | 5                          | 20175                 | 25                 | #0                     | QAM16             | 4.516                        | 5.643                          | PASS           |
| Band4       | 5                          | 20375                 | 25                 | #0                     | QPSK              | 4.506                        | 4.862                          | PASS           |
| Band4       | 5                          | 20375                 | 25                 | #0                     | QAM16             | 4.503                        | 4.879                          | PASS           |
| Band4       | 10                         | 20000                 | 50                 | #0                     | QPSK              | 8.981                        | 9.700                          | PASS           |
| Band4       | 10                         | 20000                 | 50                 | #0                     | QAM16             | 8.968                        | 9.629                          | PASS           |
| Band4       | 10                         | 20175                 | 50                 | #0                     | QPSK              | 8.976                        | 9.705                          | PASS           |
| Band4       | 10                         | 20175                 | 50                 | #0                     | QAM16             | 8.978                        | 9.646                          | PASS           |
| Band4       | 10                         | 20350                 | 50                 | #0                     | QPSK              | 8.973                        | 9.593                          | PASS           |
| Band4       | 10                         | 20350                 | 50                 | #0                     | QAM16             | 8.969                        | 9.671                          | PASS           |
| Band4       | 15                         | 20025                 | 75                 | #0                     | QPSK              | 13.475                       | 14.469                         | PASS           |
| Band4       | 15                         | 20025                 | 75                 | #0                     | QAM16             | 13.484                       | 14.567                         | PASS           |
| Band4       | 15                         | 20175                 | 75                 | #0                     | QPSK              | 13.429                       | 14.556                         | PASS           |
| Band4       | 15                         | 20175                 | 75                 | #0                     | QAM16             | 13.465                       | 14.563                         | PASS           |
| Band4       | 15                         | 20325                 | 75                 | #0                     | QPSK              | 13.492                       | 14.503                         | PASS           |
| Band4       | 15                         | 20325                 | 75                 | #0                     | QAM16             | 13.507                       | 14.537                         | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QPSK              | 17.989                       | 19.328                         | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QAM16             | 17.963                       | 19.304                         | PASS           |
| Band4       | 20                         | 20175                 | 100                | #0                     | QPSK              | 17.957                       | 19.184                         | PASS           |
| Band4       | 20                         | 20175                 | 100                | #0                     | QAM16             | 17.941                       | 19.288                         | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QPSK              | 17.975                       | 19.370                         | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QAM16             | 17.960                       | 19.393                         | PASS           |

**Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0**

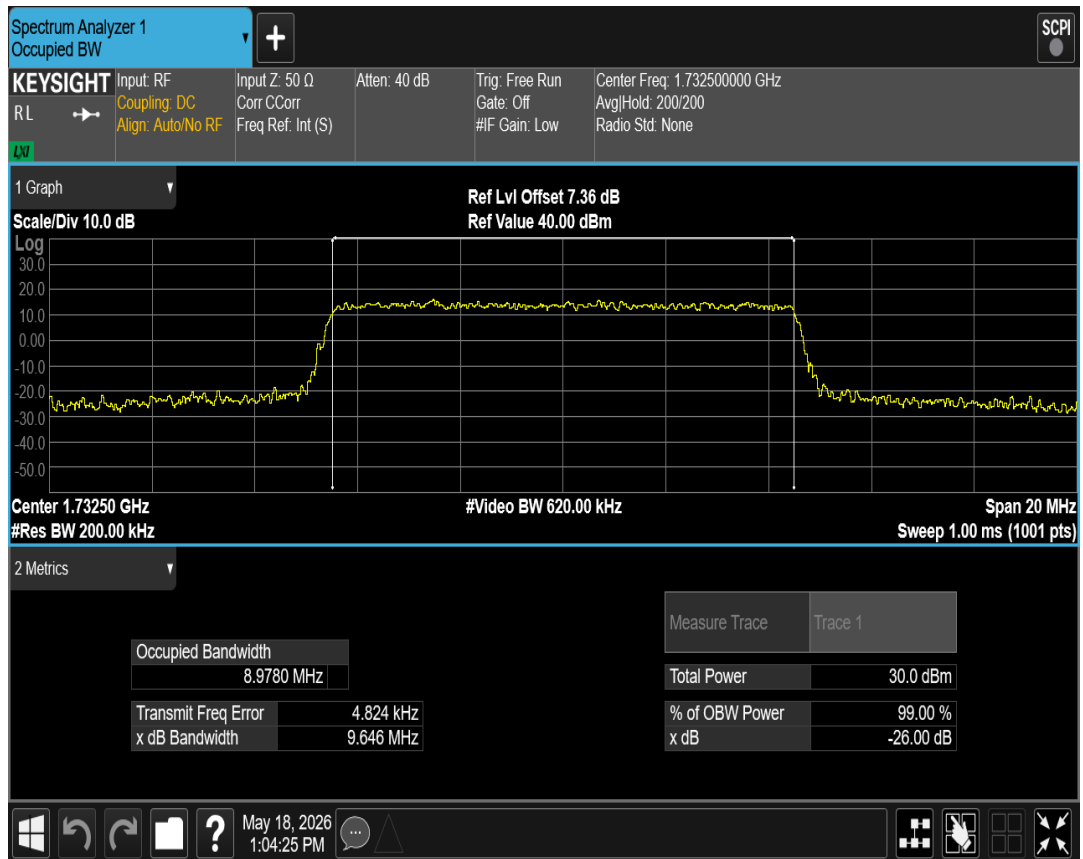
**Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0****Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0**



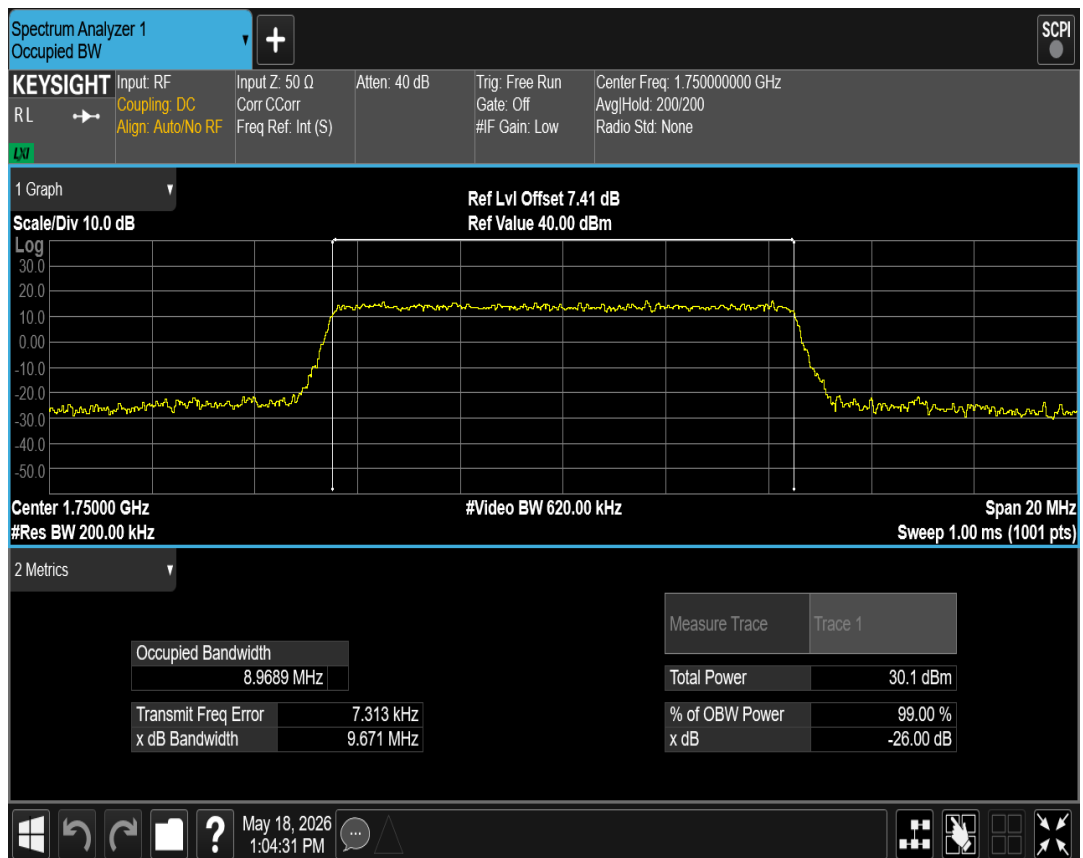
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



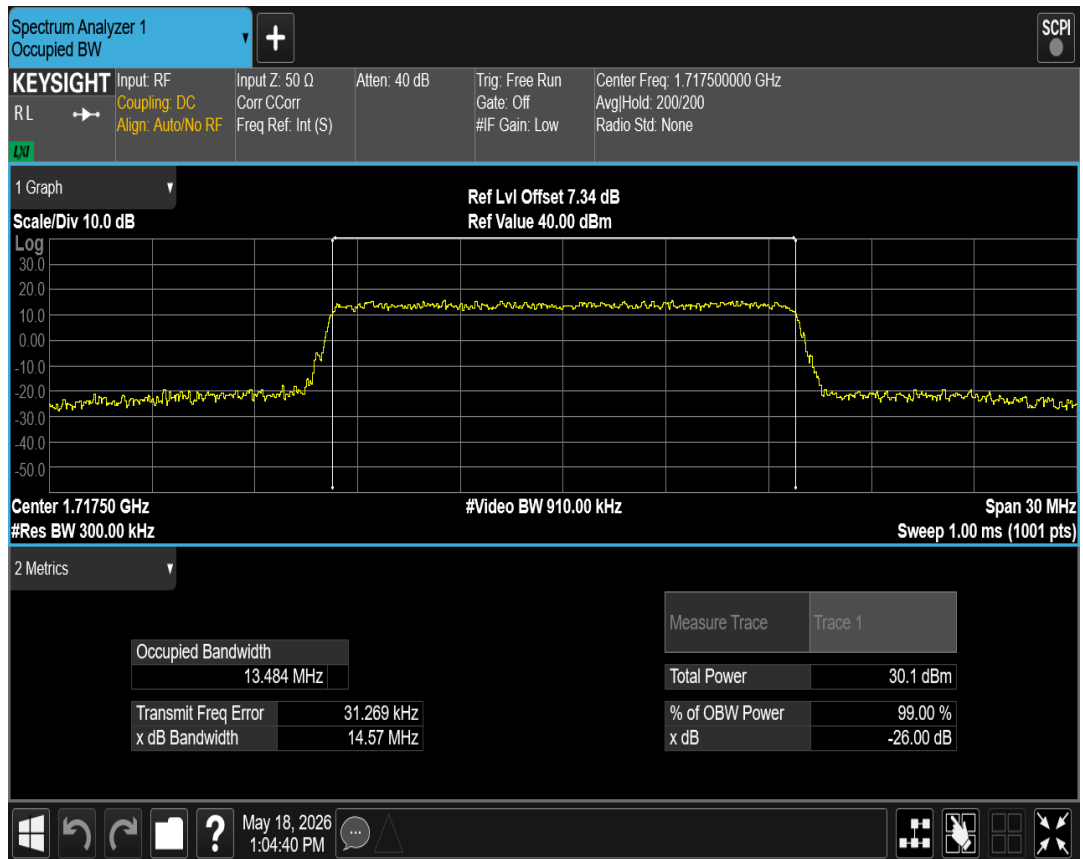
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



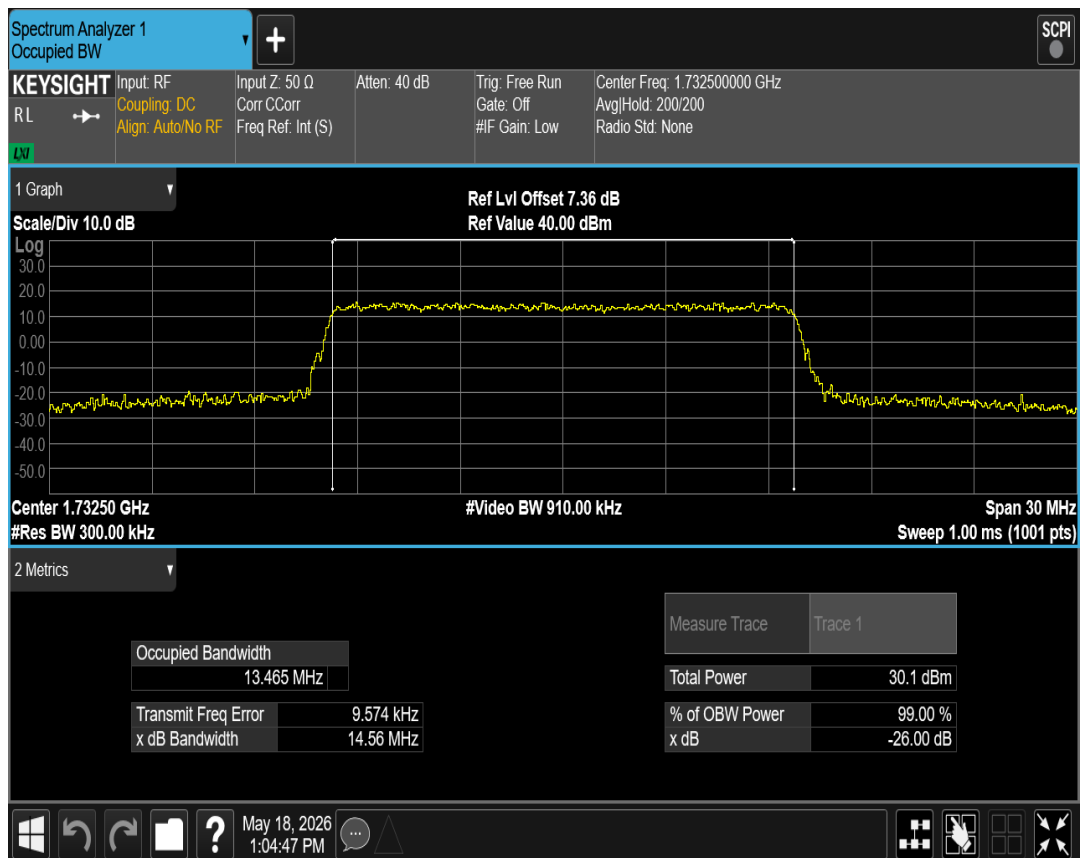
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



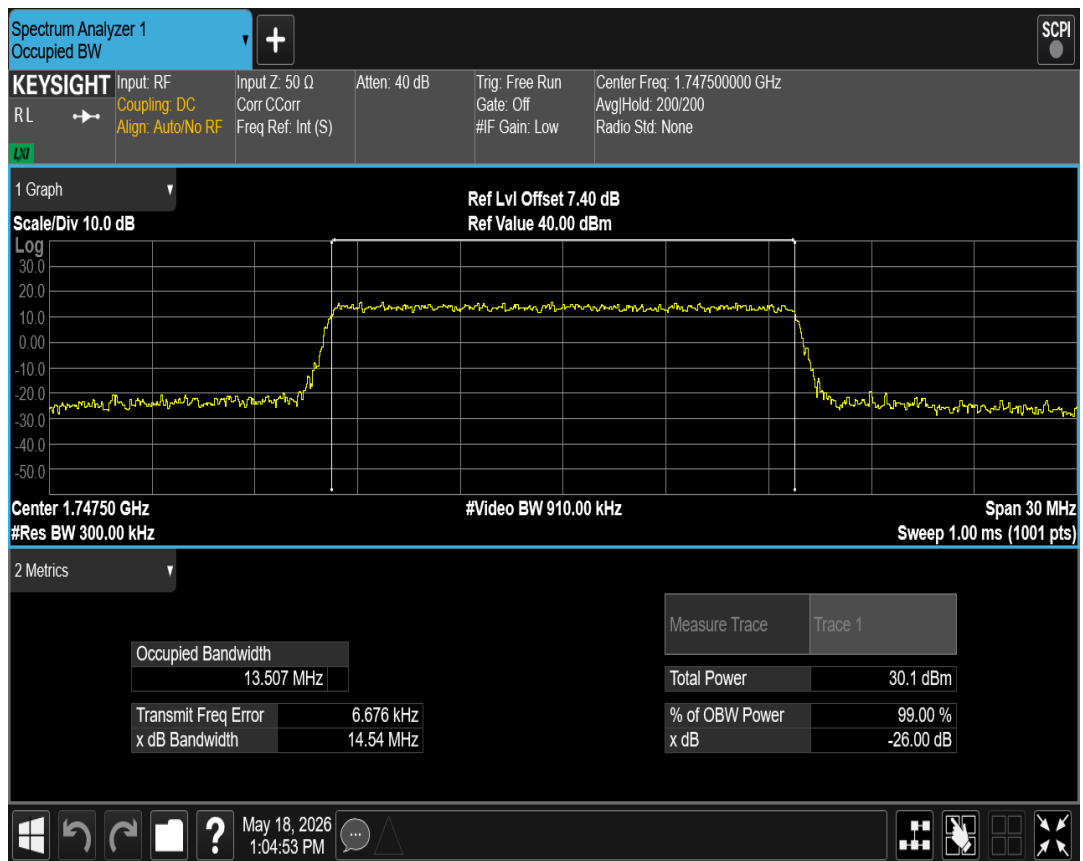
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



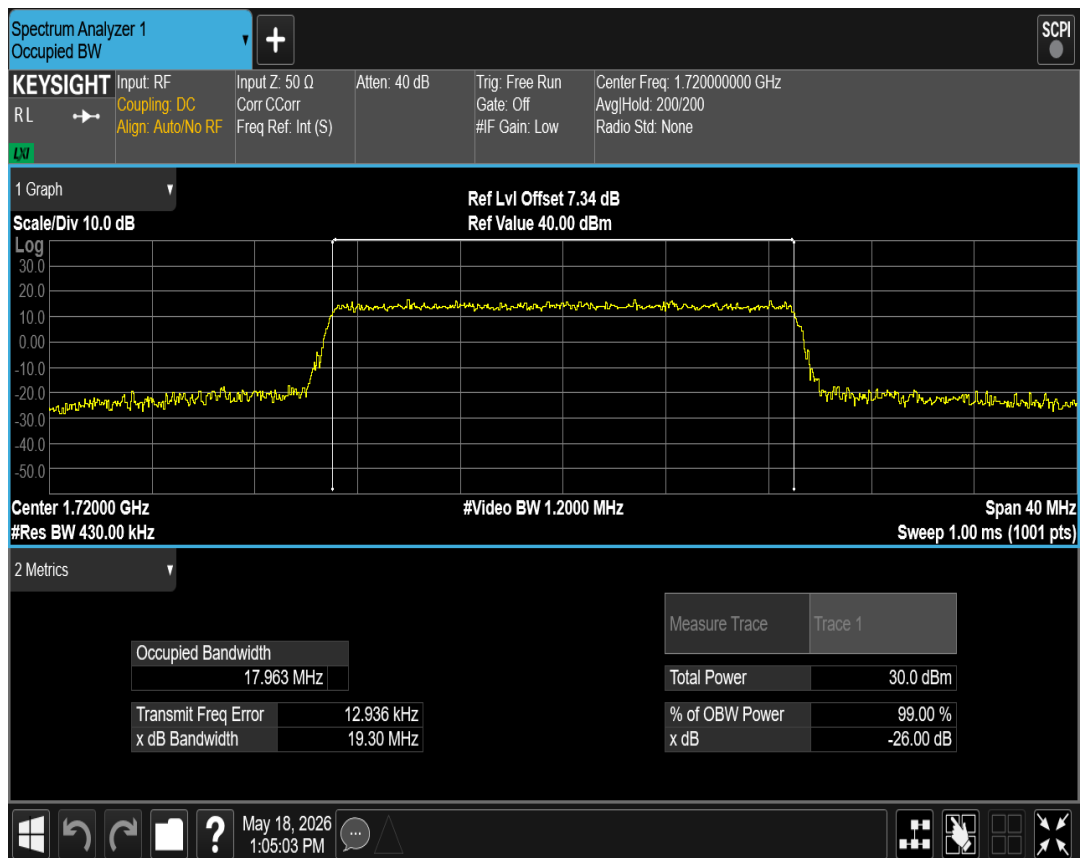
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



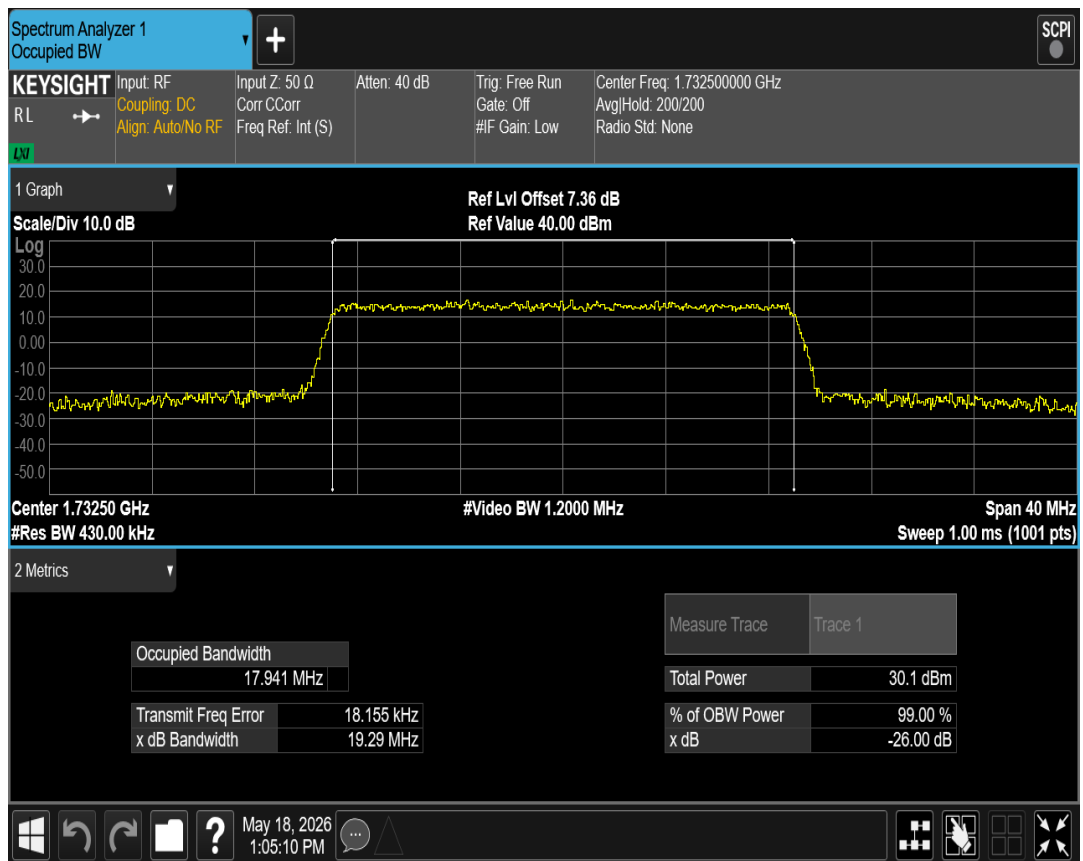
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



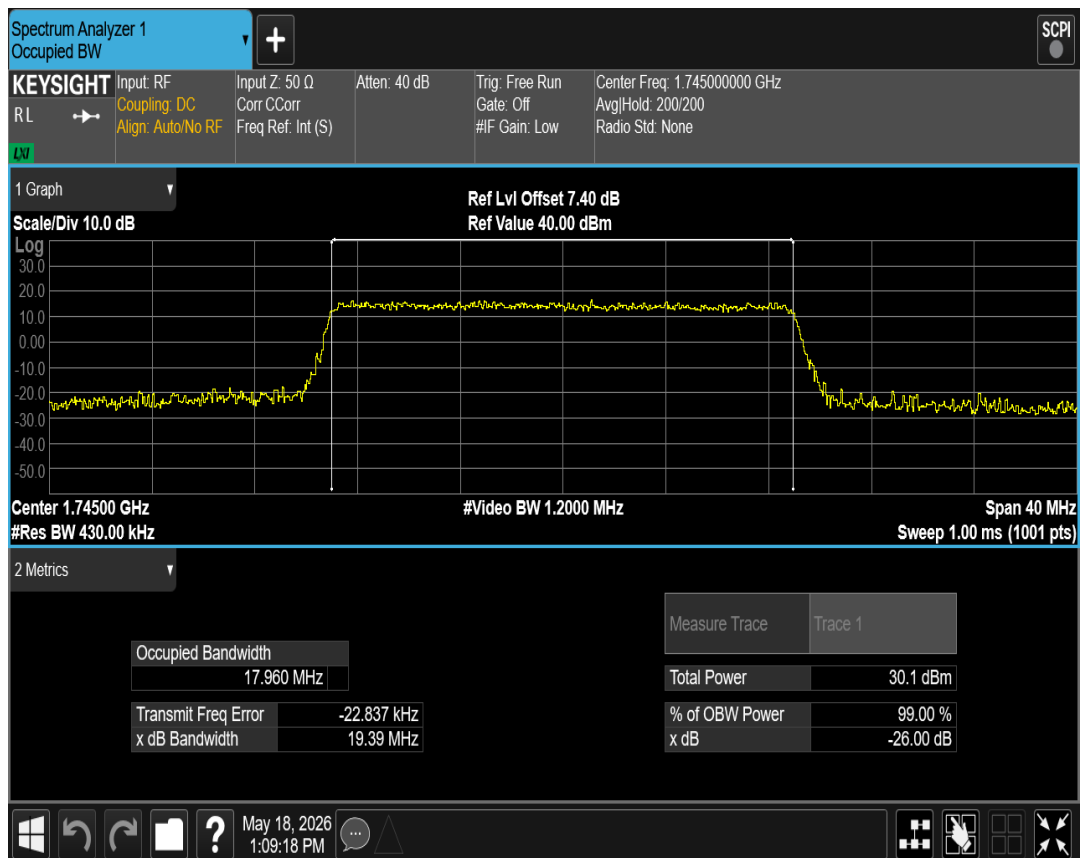
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



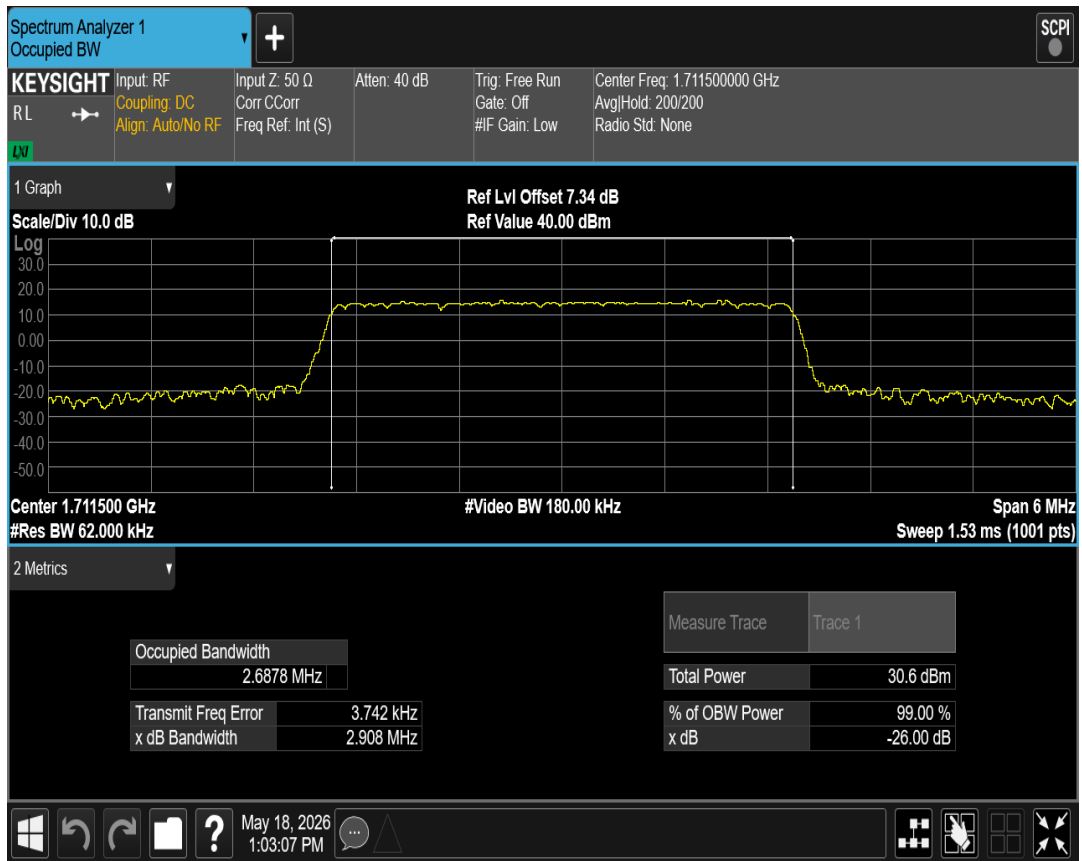
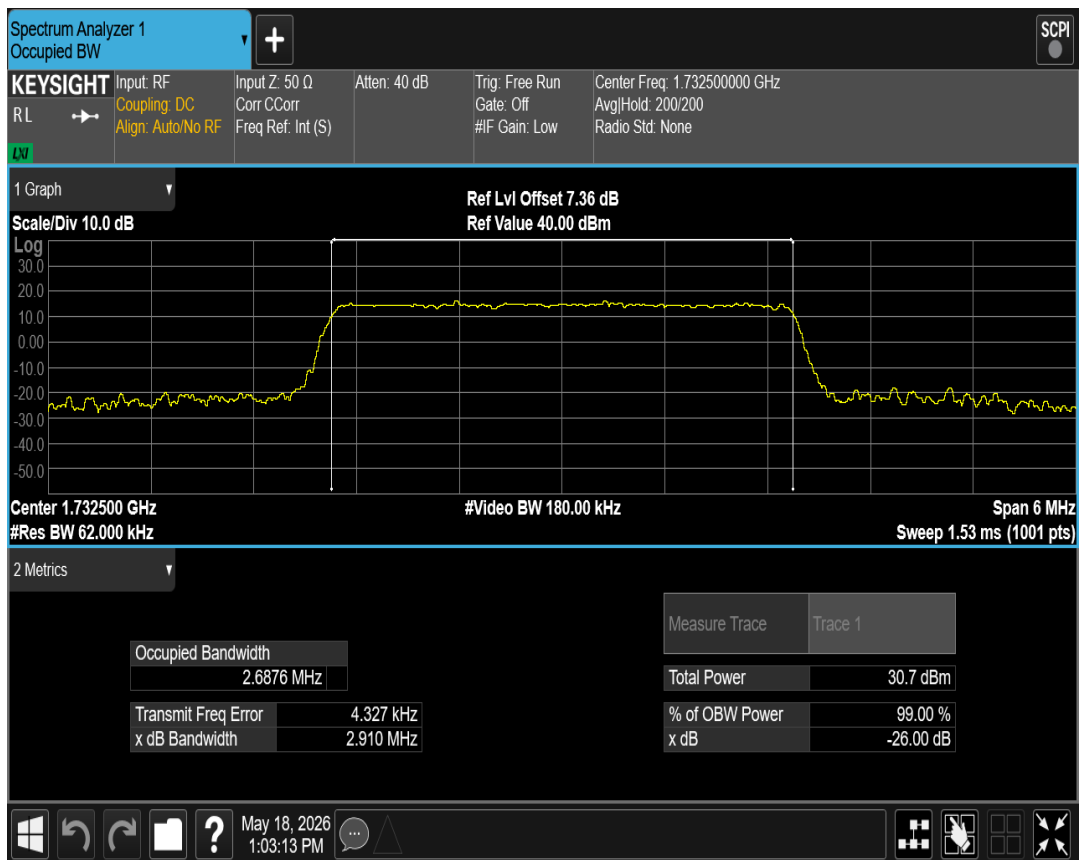
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0

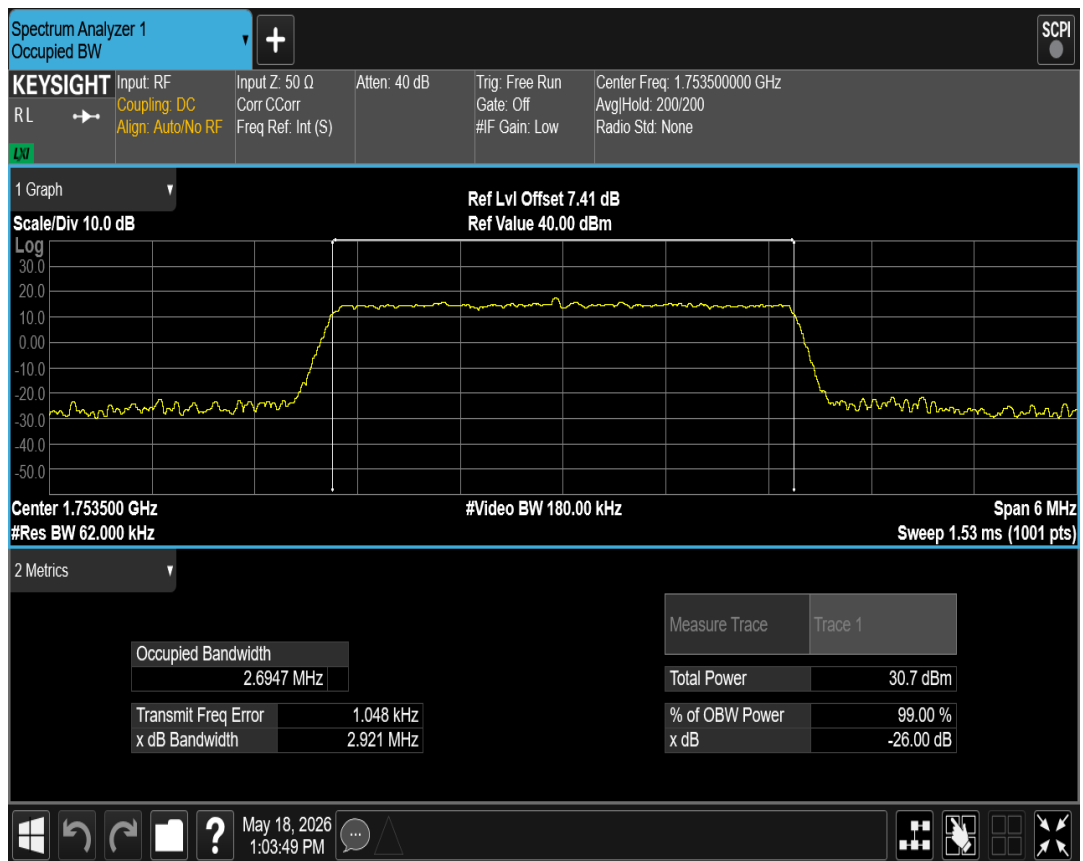
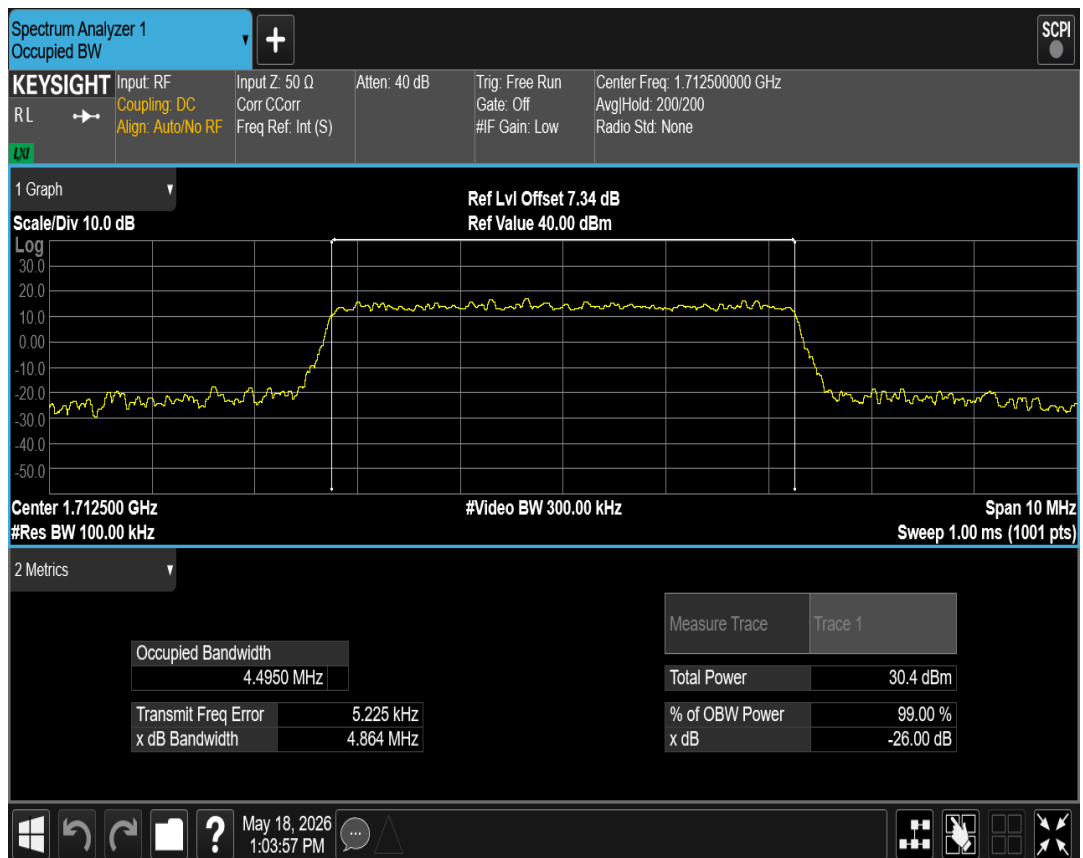


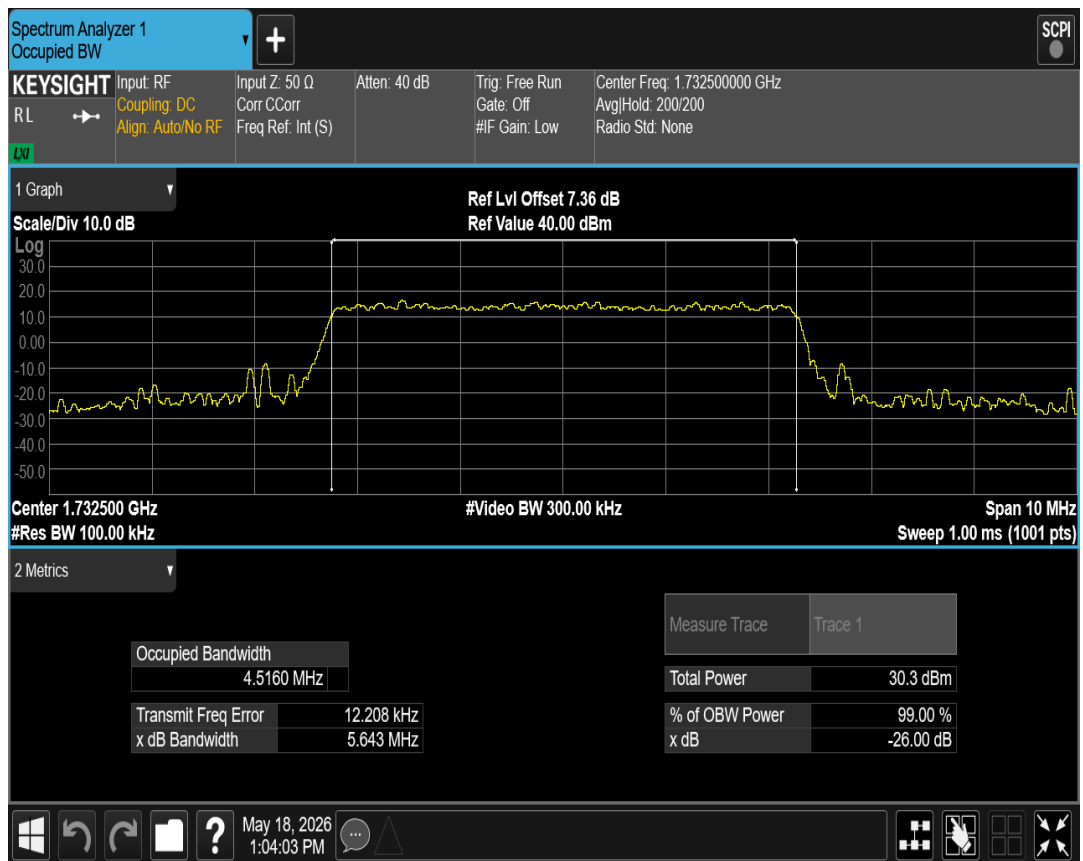
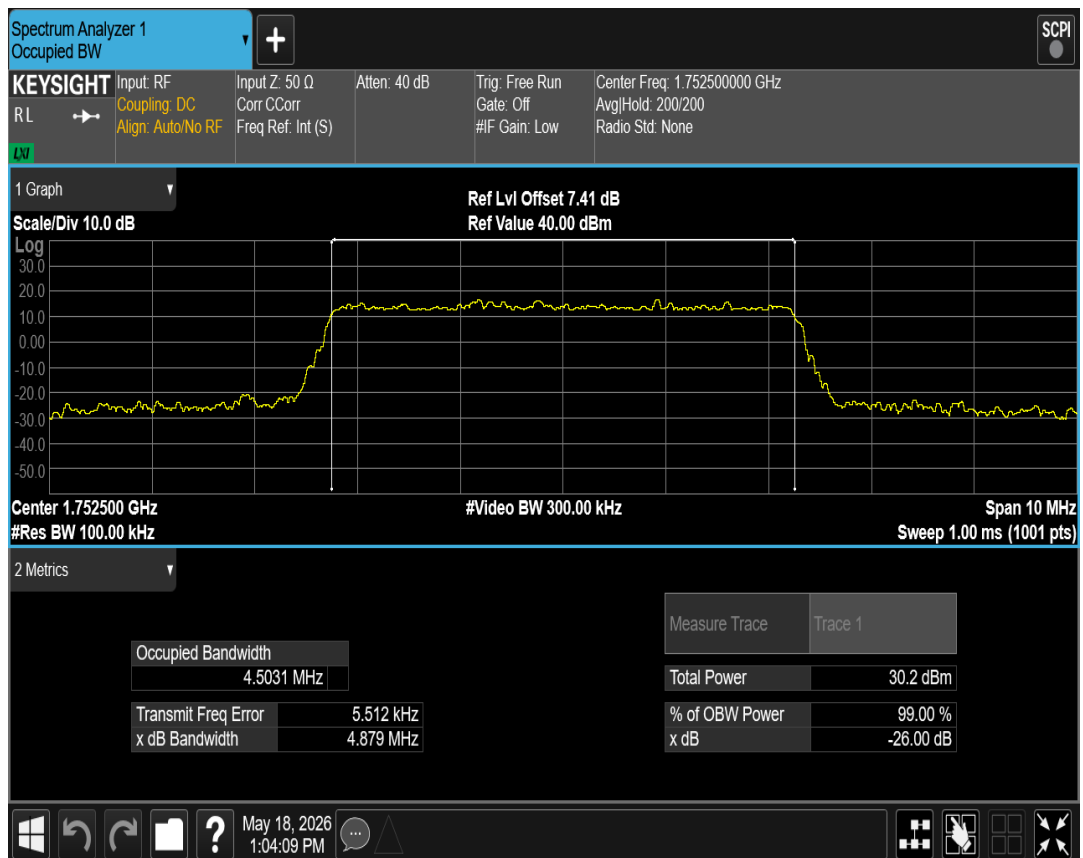
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

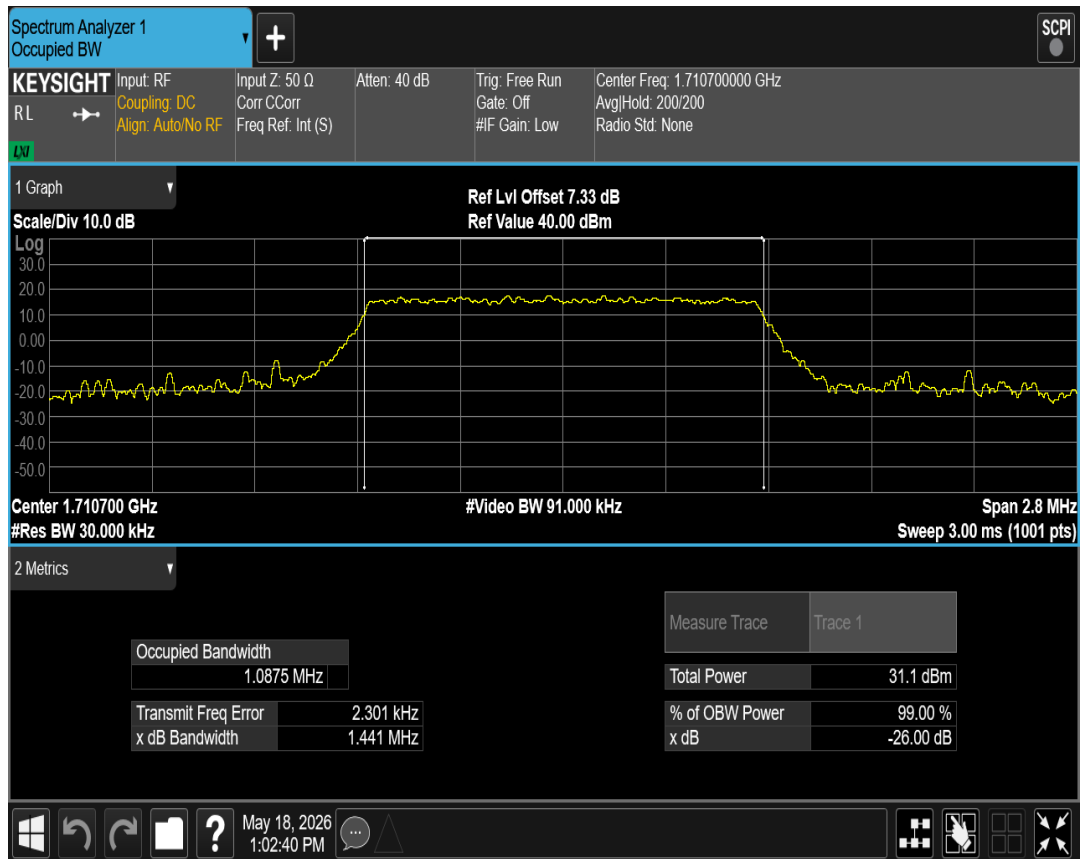


Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0

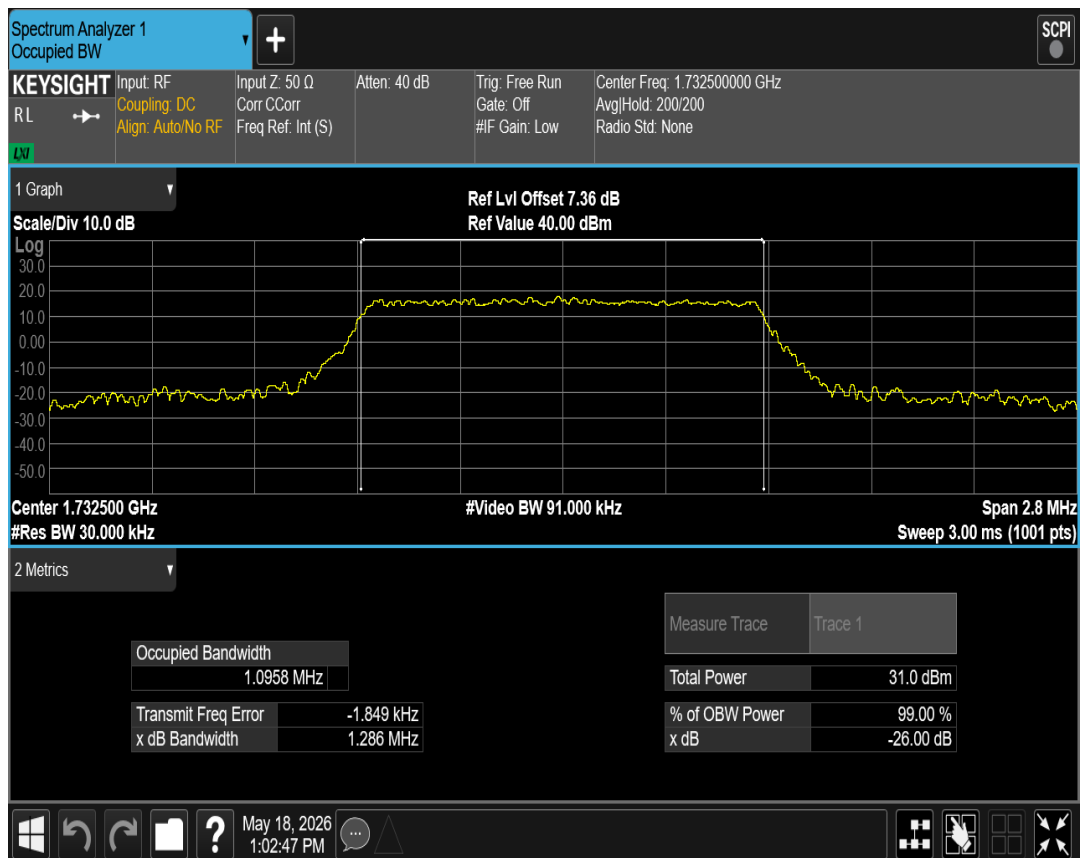
**Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0****Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0**

**Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0****Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0**

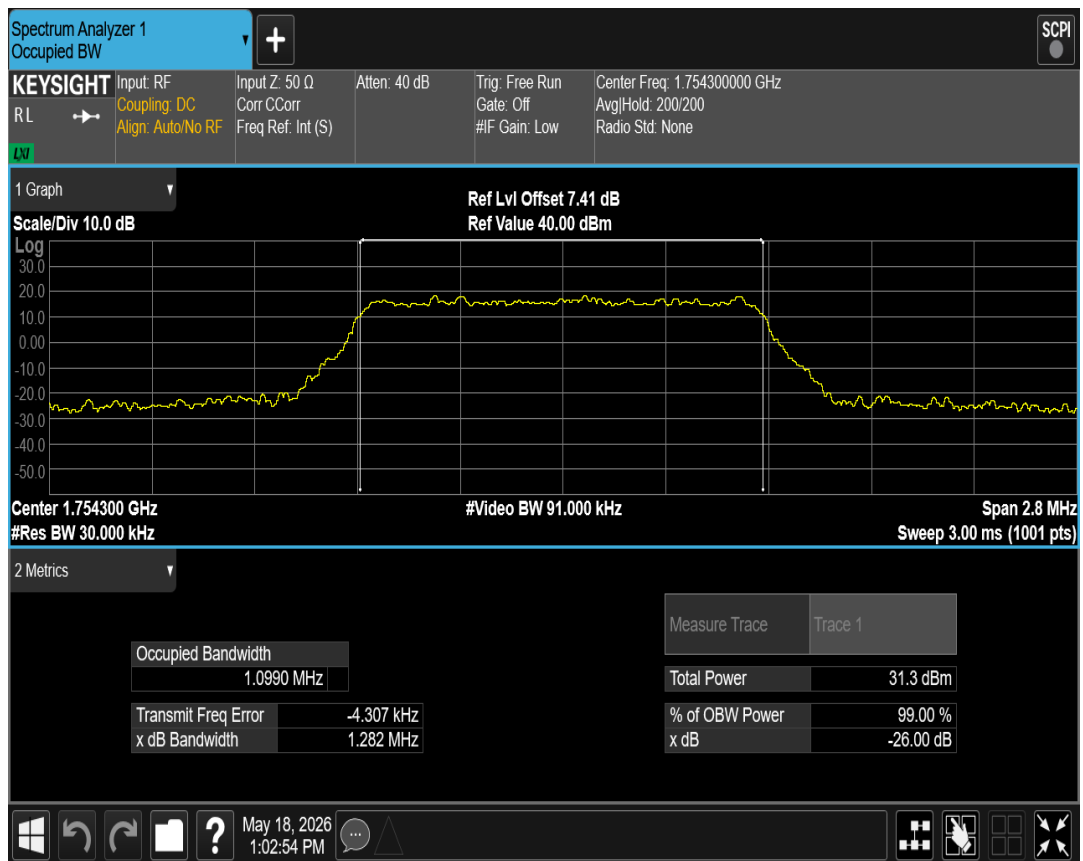
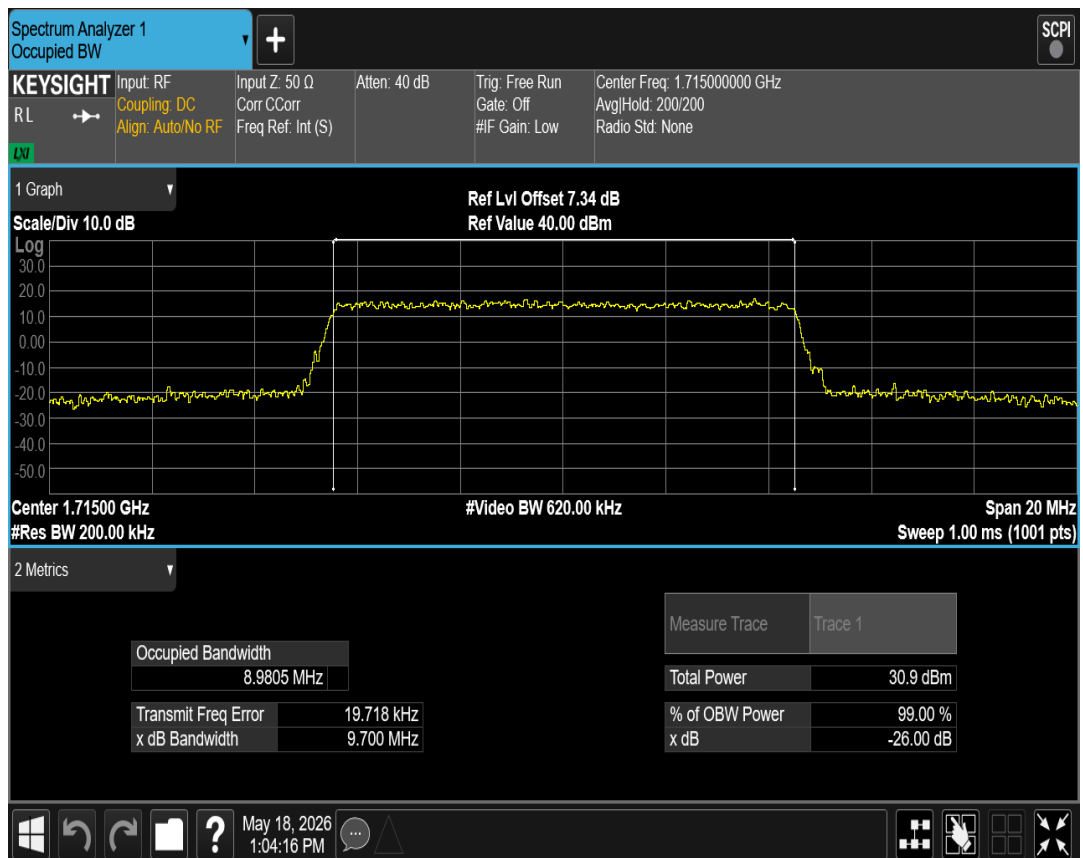
**Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0****Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0**

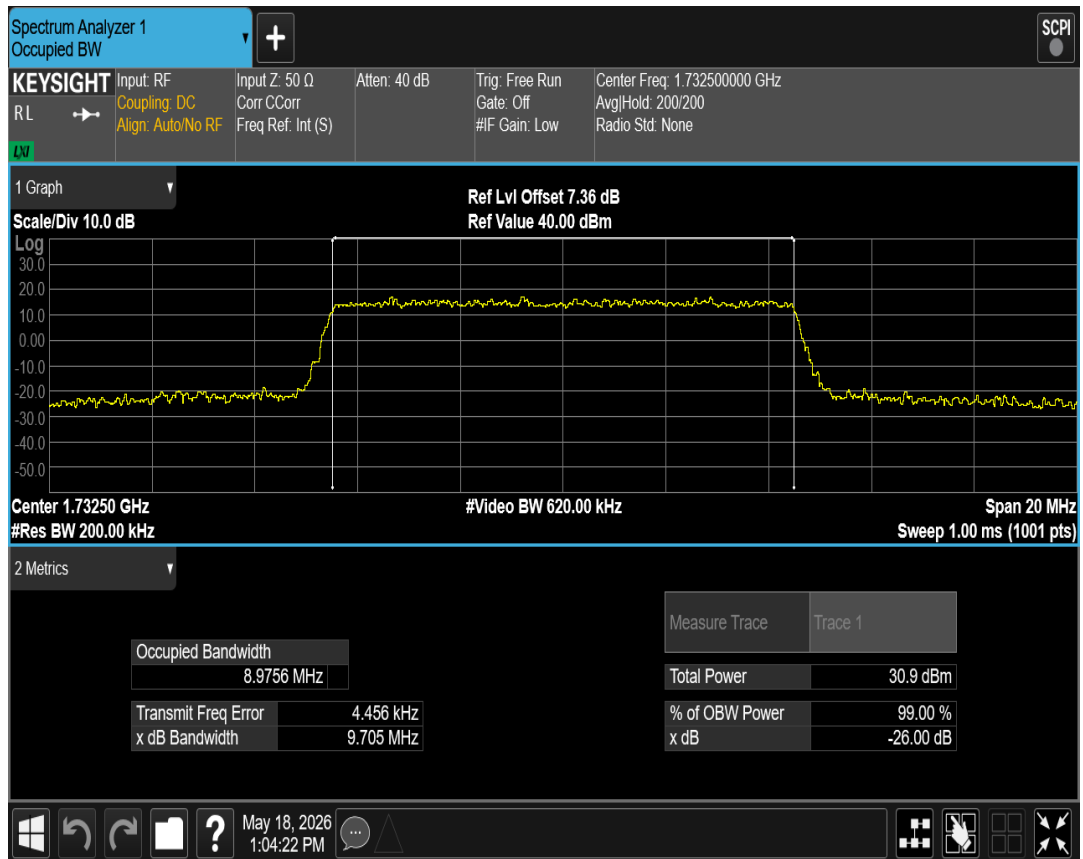
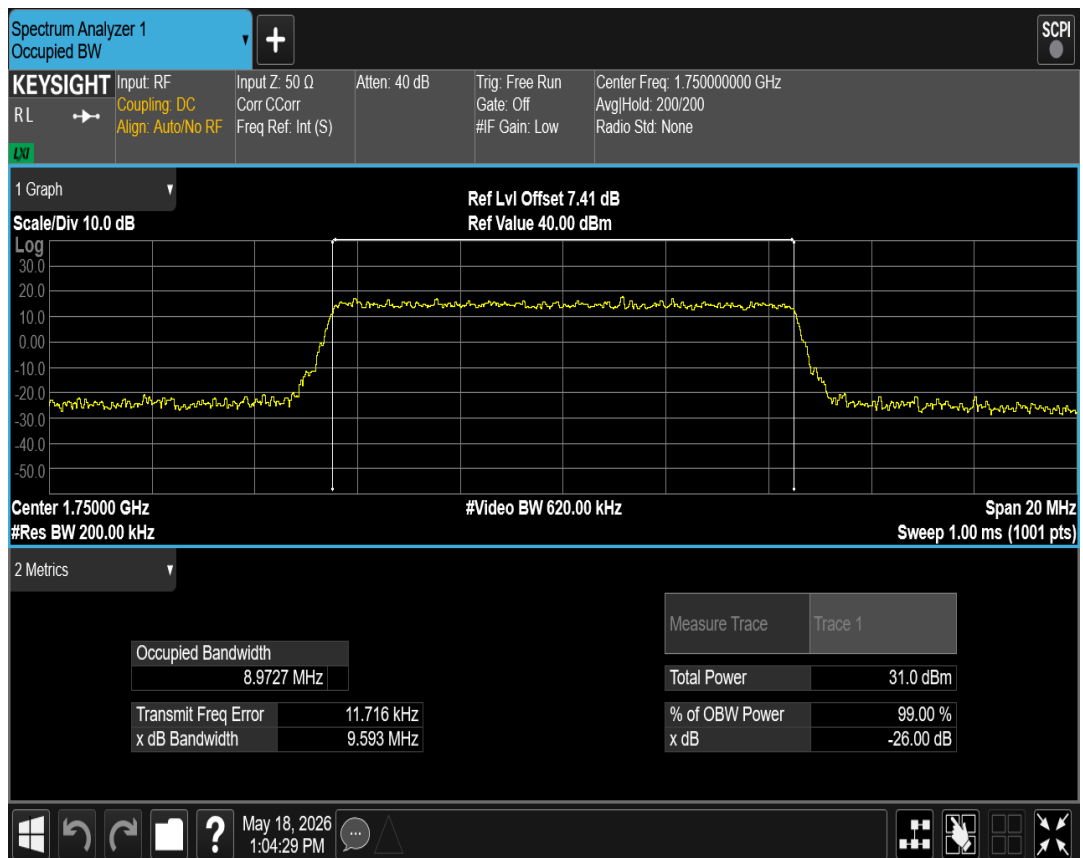


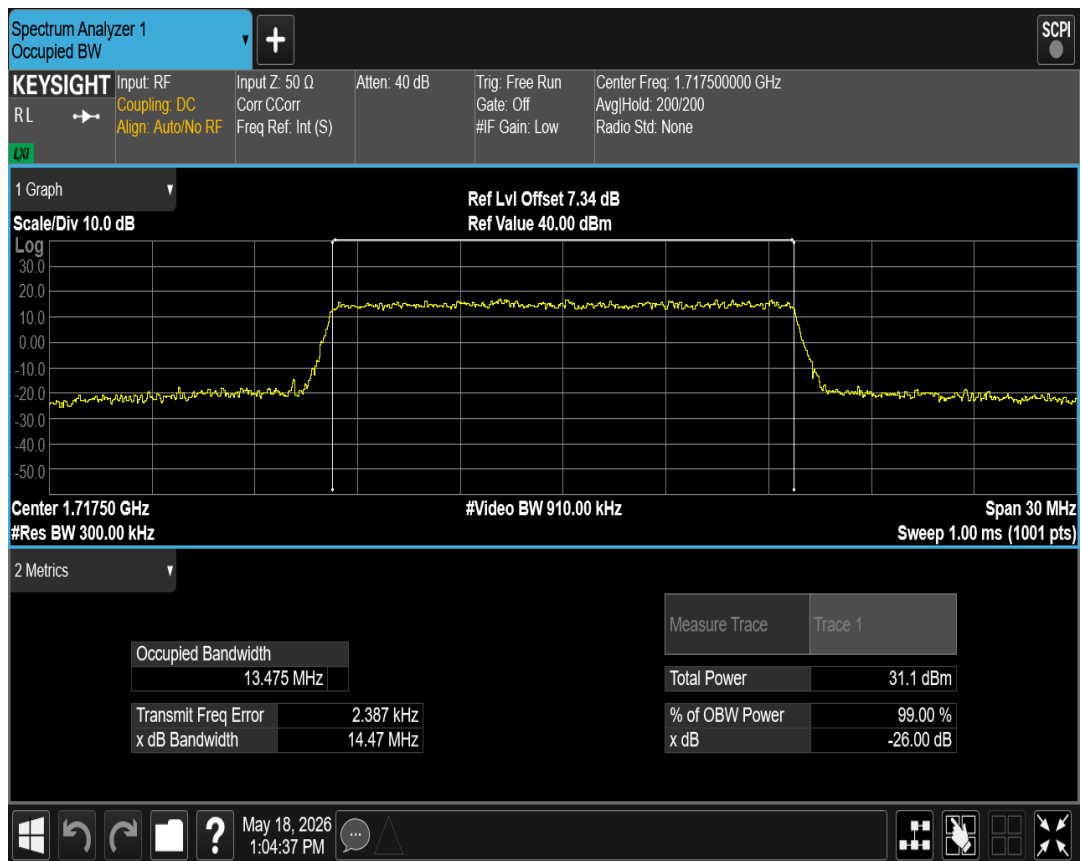
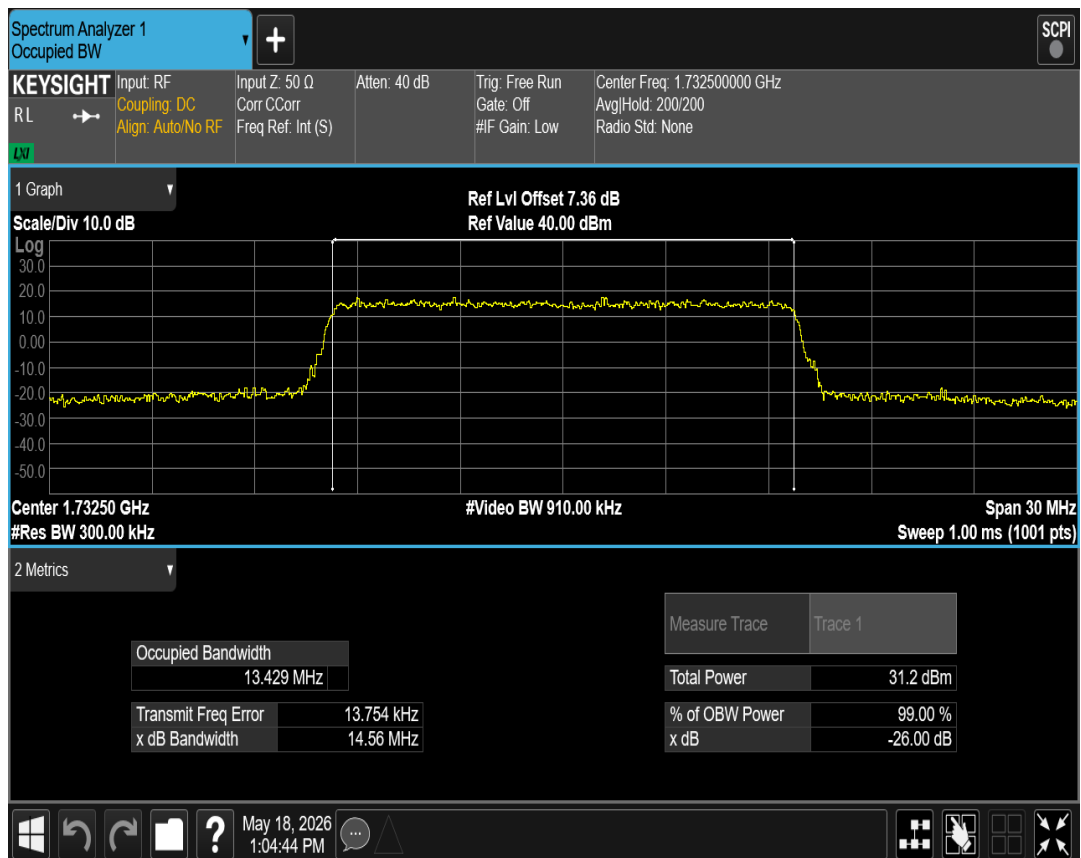
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

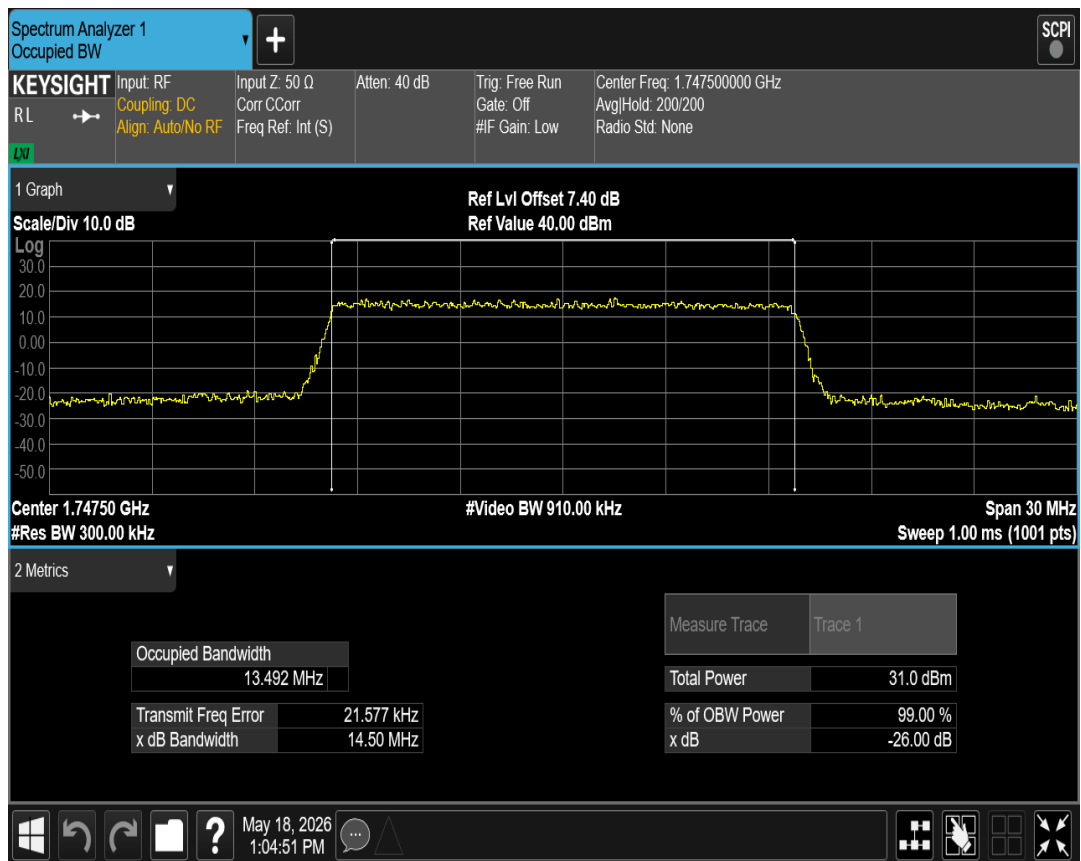


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

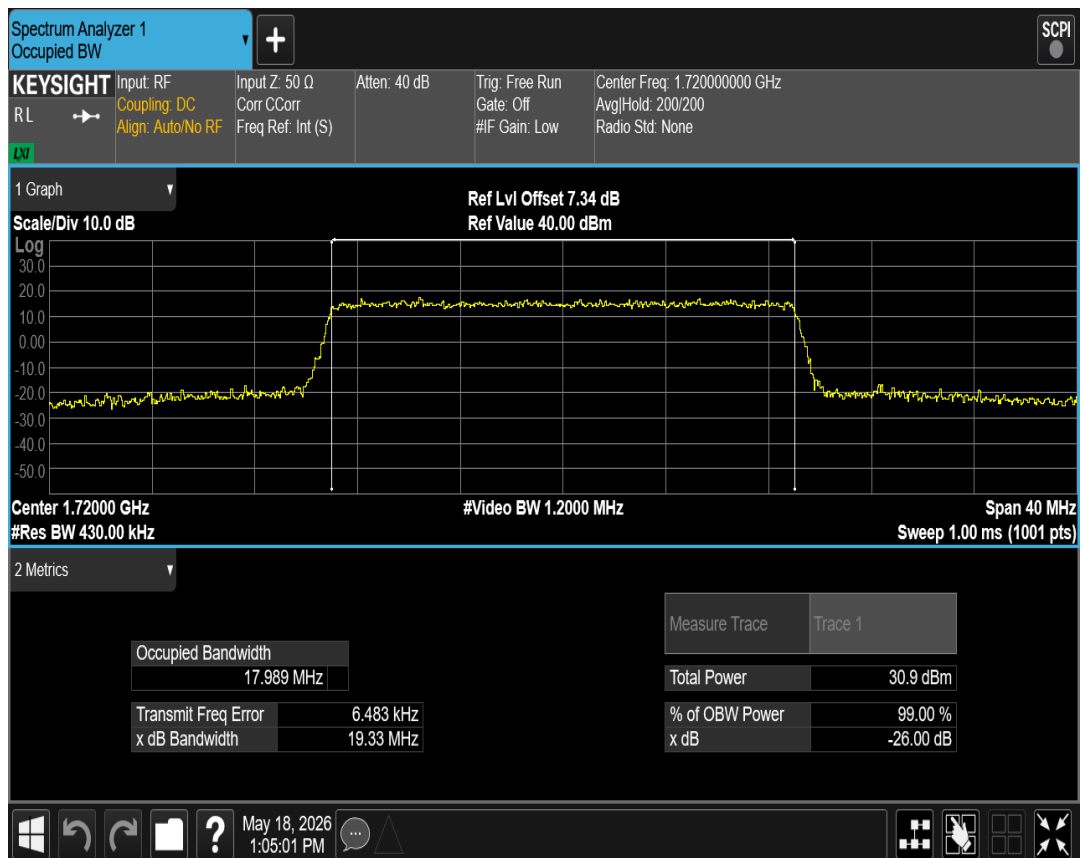
**Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0****Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0**

**Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0****Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0**

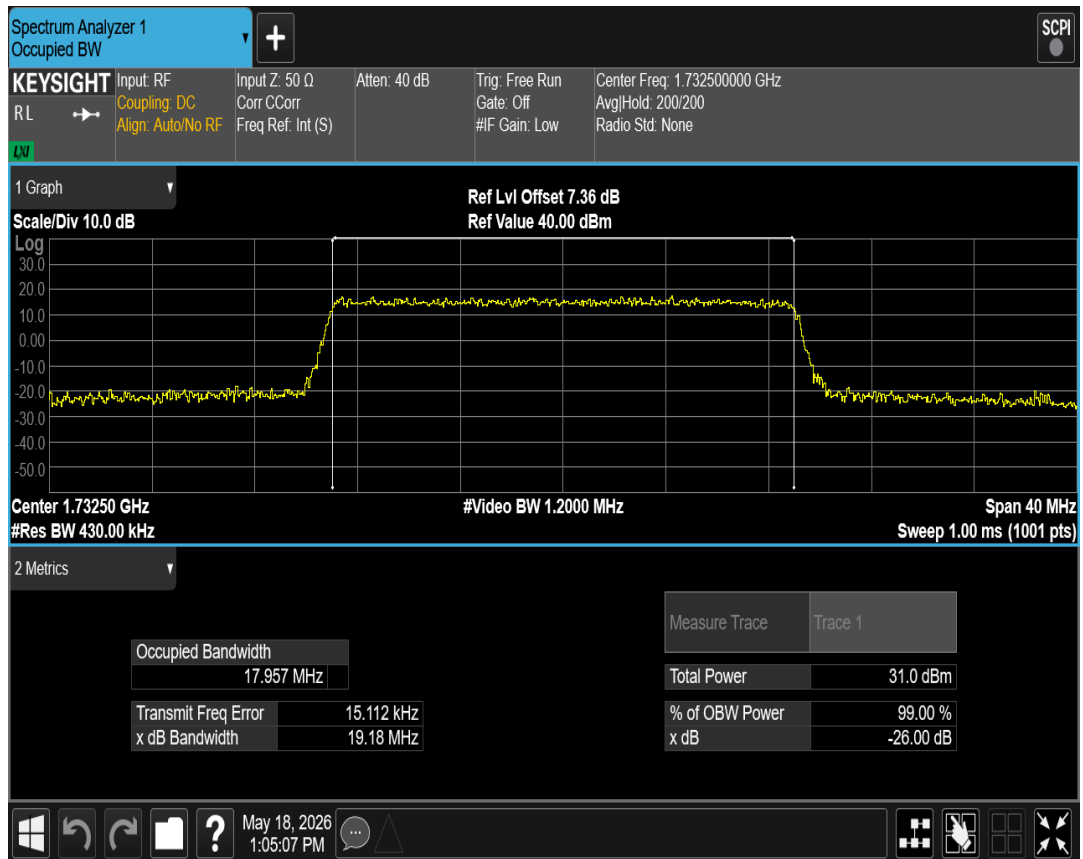
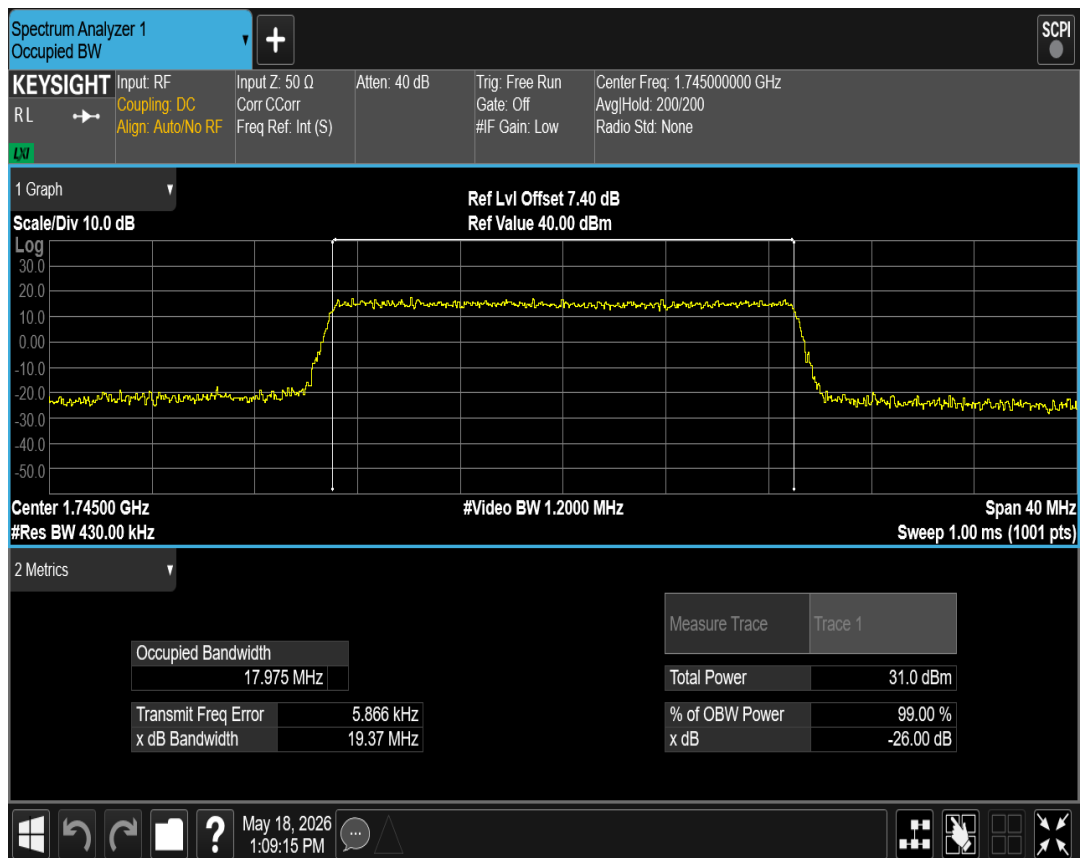
**Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0****Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0**

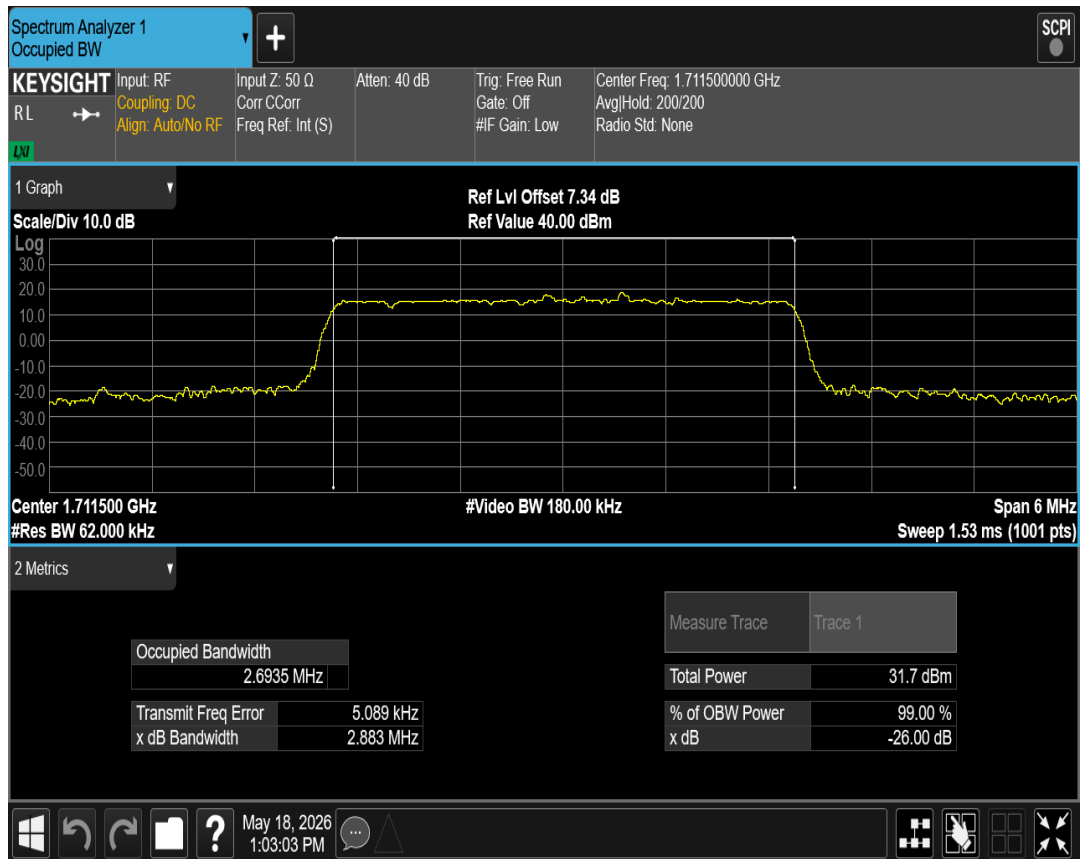
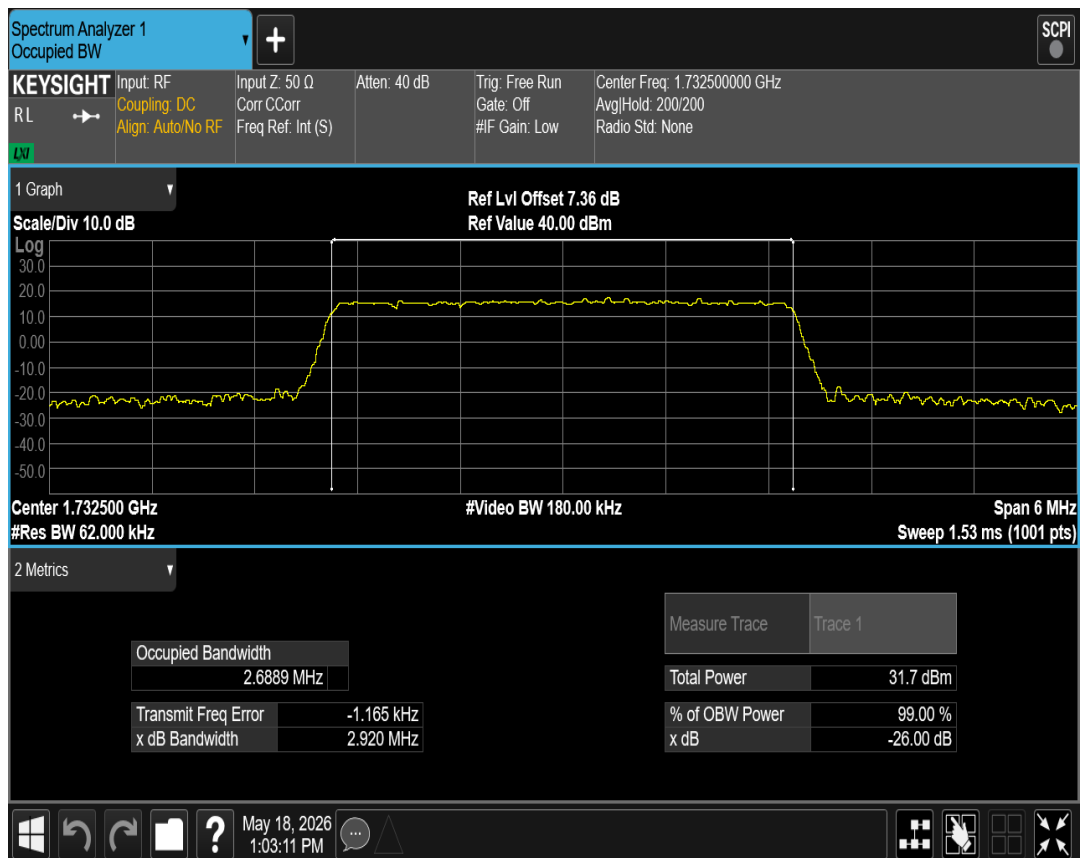


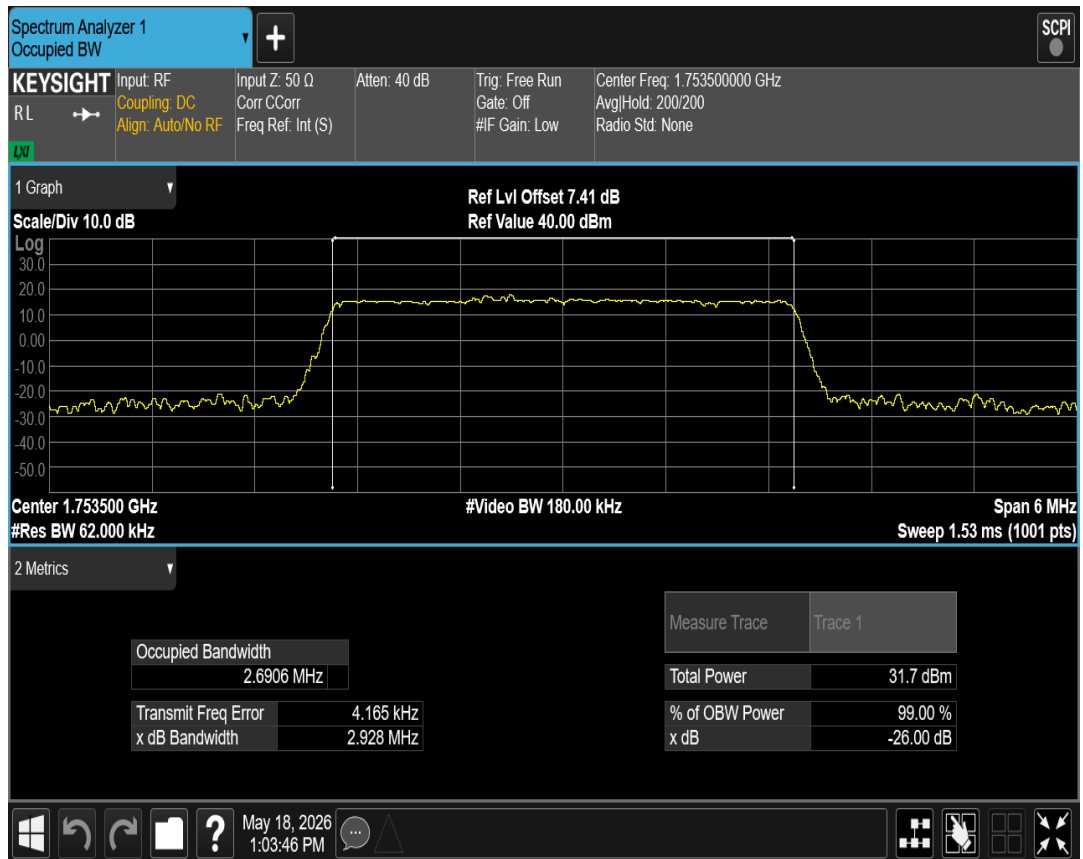
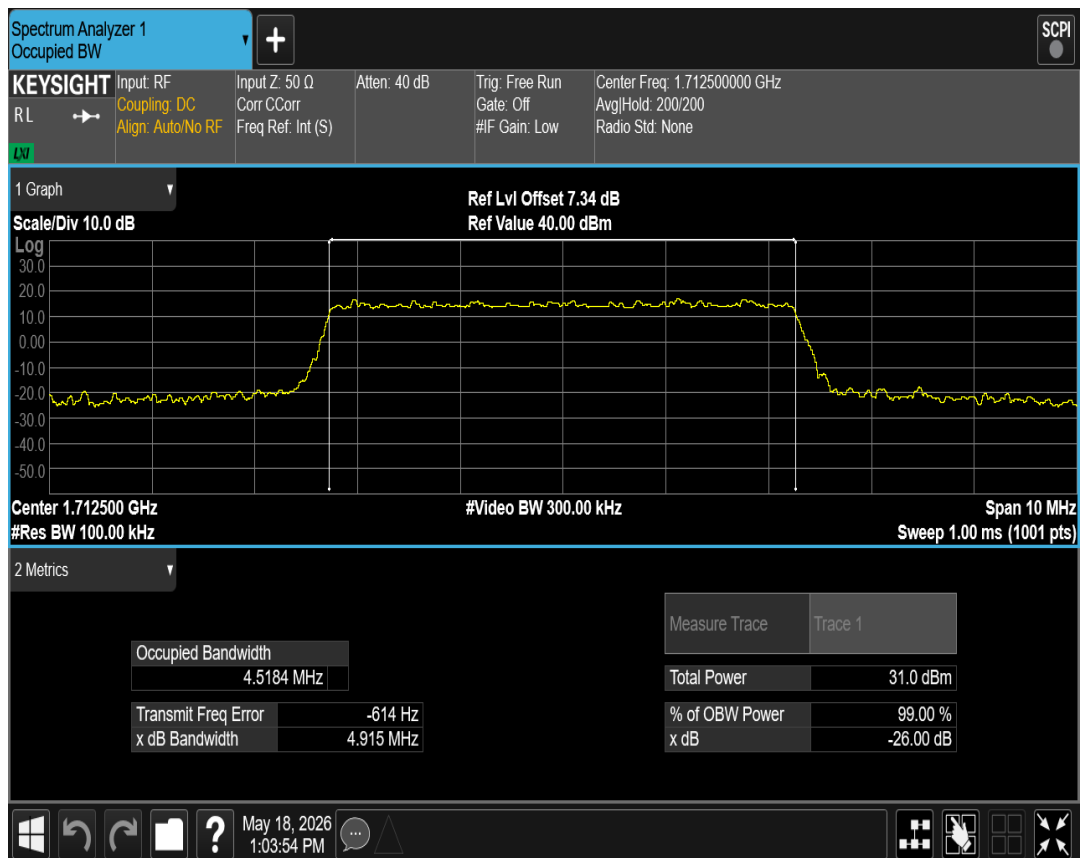
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

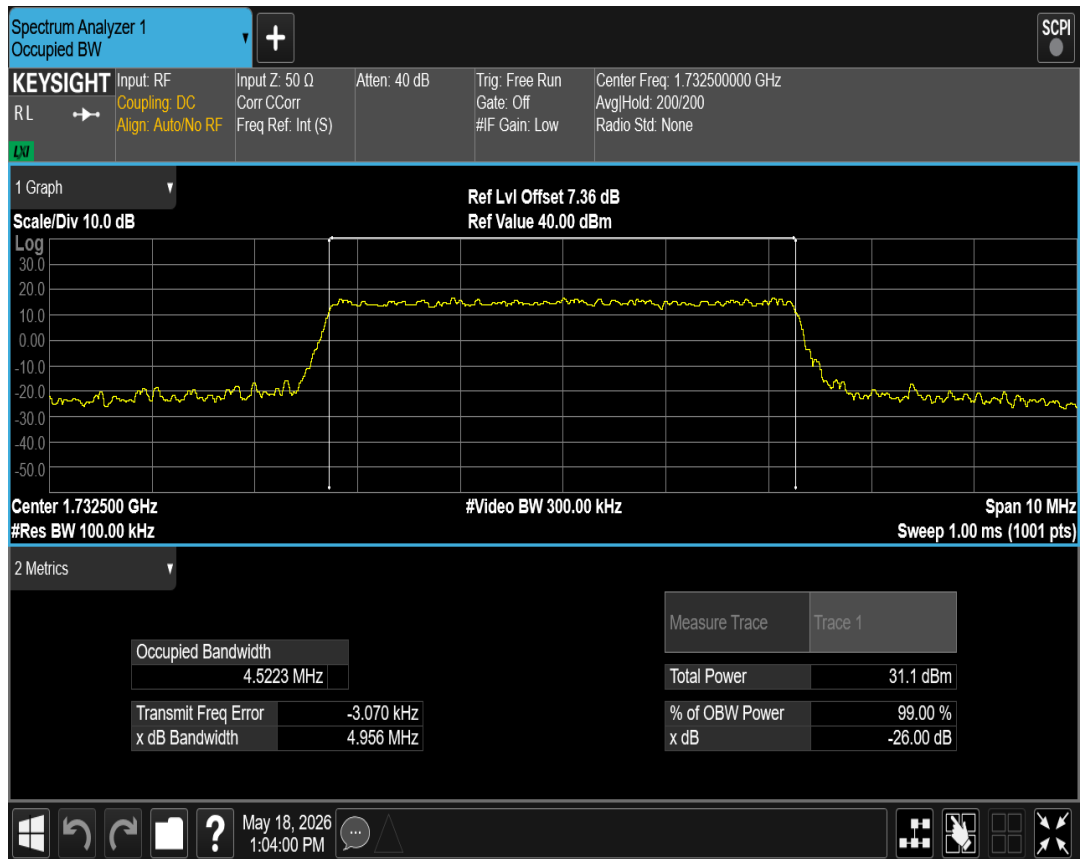
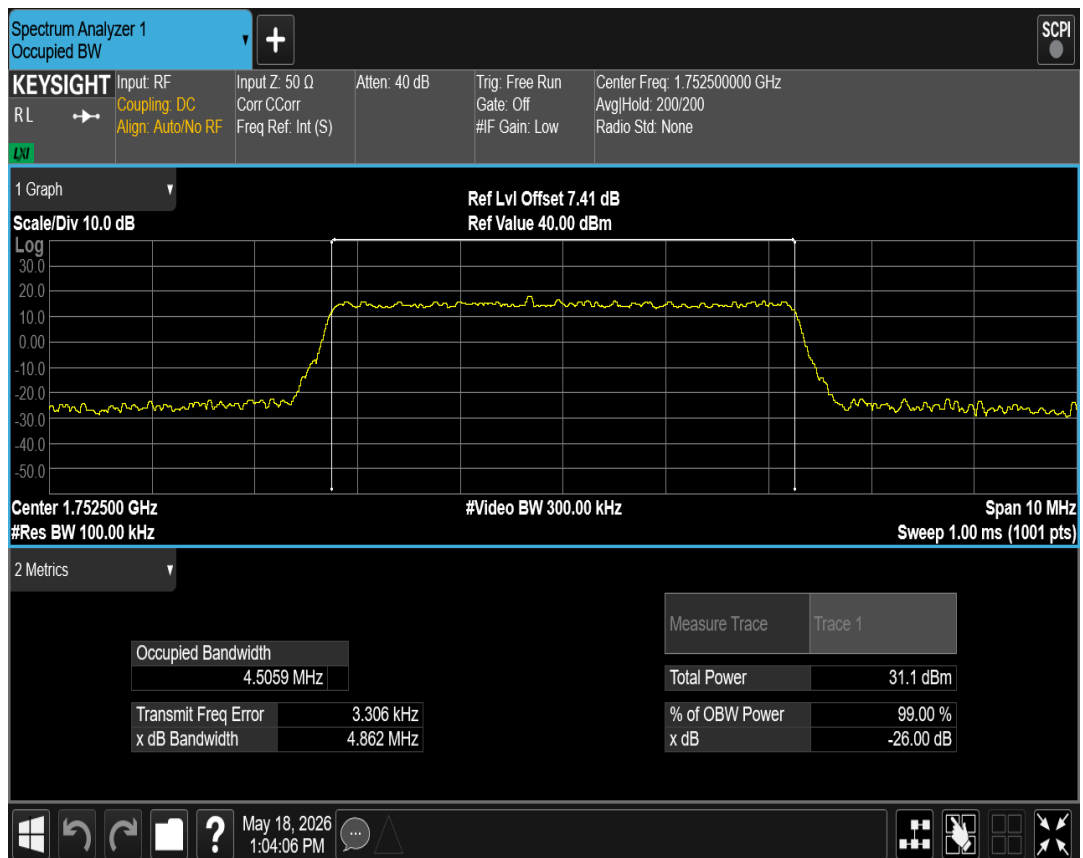


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

**Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0****Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0**

**Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0****Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0**

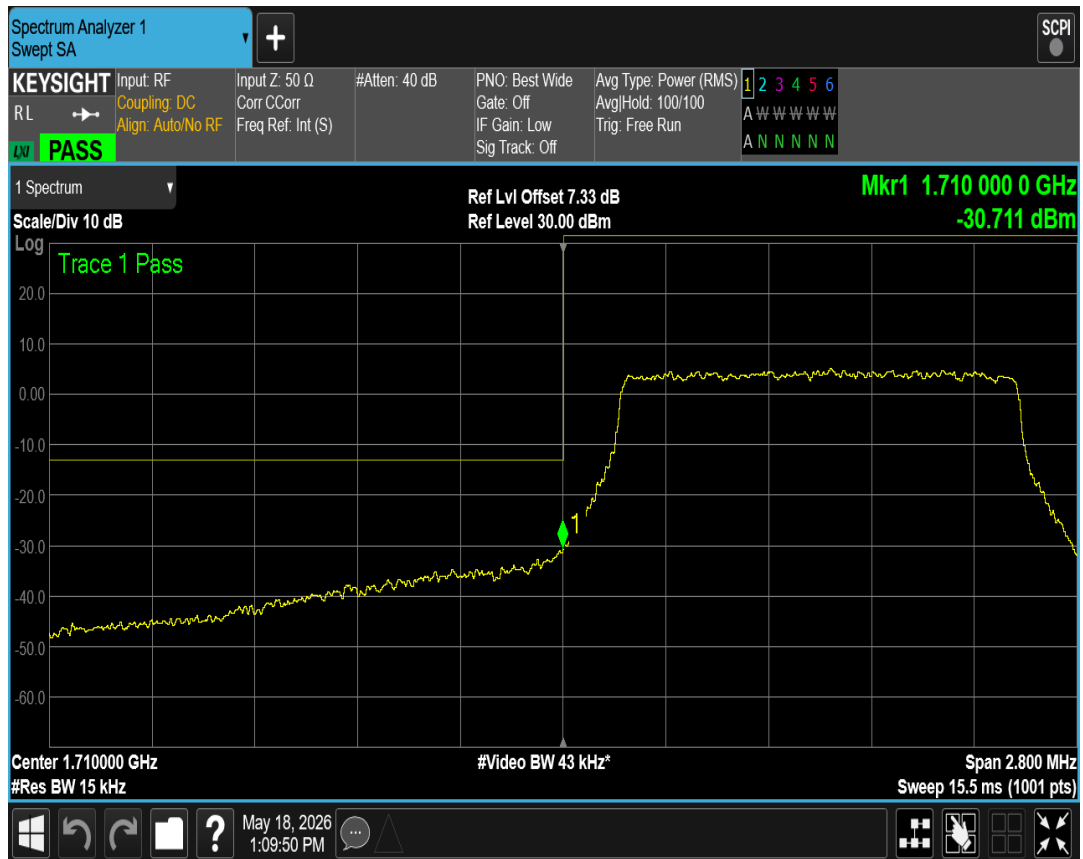
**Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0****Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0**

**Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0**

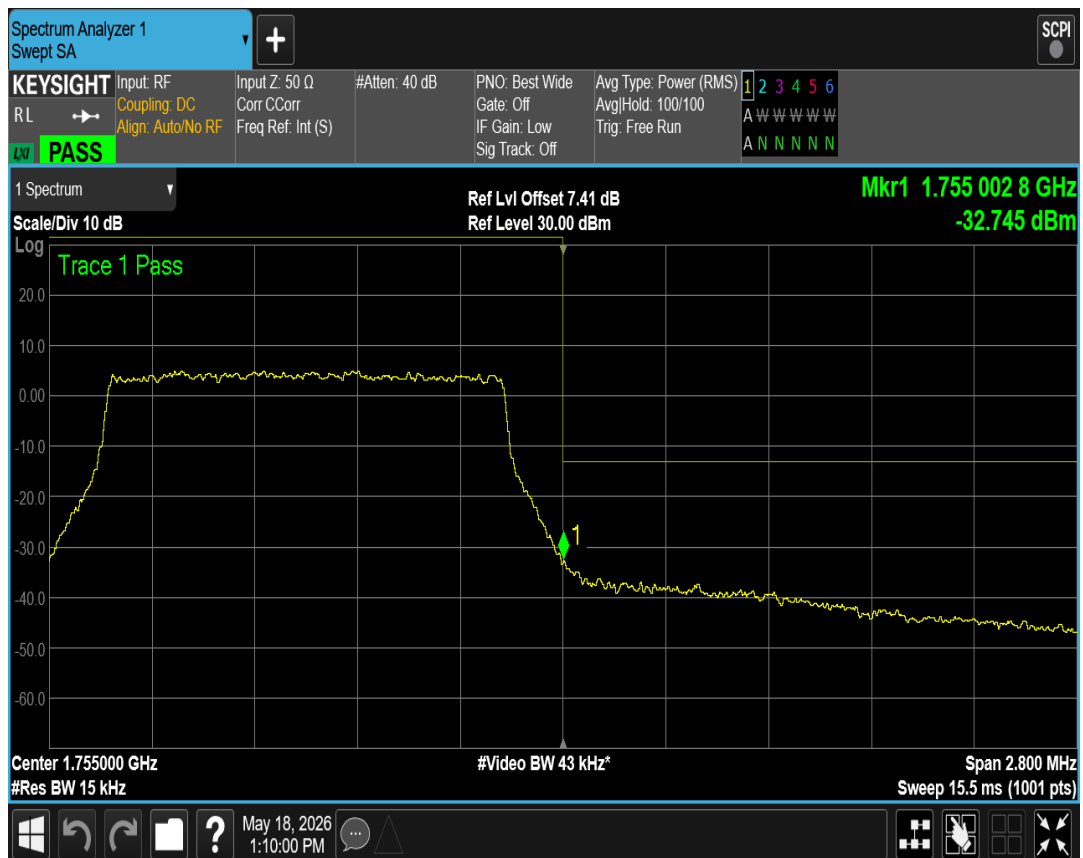
## 5 Band edge

| <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>Spur<br/>Freq<br/>(MHz)</b> | <b>Spur<br/>Level<br/>(dBm)</b> | <b>Limit<br/>(dBm)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|--------------------------------|---------------------------------|------------------------|----------------|
| Band4       | 1.4                        | 19957                 | 6                  | #0                     | QPSK              | 1709.99                        | -29.63                          | -13                    | PASS           |
| Band4       | 1.4                        | 19957                 | 6                  | #0                     | QAM16             | 1710.00                        | -30.71                          | -13                    | PASS           |
| Band4       | 1.4                        | 20393                 | 6                  | #0                     | QPSK              | 1755.00                        | -31.66                          | -13                    | PASS           |
| Band4       | 1.4                        | 20393                 | 6                  | #0                     | QAM16             | 1755.00                        | -32.74                          | -13                    | PASS           |
| Band4       | 3                          | 19965                 | 15                 | #0                     | QPSK              | 1709.99                        | -30.09                          | -13                    | PASS           |
| Band4       | 3                          | 19965                 | 15                 | #0                     | QAM16             | 1710.00                        | -32.17                          | -13                    | PASS           |
| Band4       | 3                          | 20385                 | 15                 | #0                     | QPSK              | 1755.00                        | -33.64                          | -13                    | PASS           |
| Band4       | 3                          | 20385                 | 15                 | #0                     | QAM16             | 1755.01                        | -34.24                          | -13                    | PASS           |
| Band4       | 5                          | 19975                 | 25                 | #0                     | QPSK              | 1709.93                        | -31.22                          | -13                    | PASS           |
| Band4       | 5                          | 19975                 | 25                 | #0                     | QAM16             | 1709.98                        | -31.74                          | -13                    | PASS           |
| Band4       | 5                          | 20375                 | 25                 | #0                     | QPSK              | 1755.00                        | -32.32                          | -13                    | PASS           |
| Band4       | 5                          | 20375                 | 25                 | #0                     | QAM16             | 1755.01                        | -31.75                          | -13                    | PASS           |
| Band4       | 10                         | 20000                 | 50                 | #0                     | QPSK              | 1710.00                        | -31.84                          | -13                    | PASS           |
| Band4       | 10                         | 20000                 | 50                 | #0                     | QAM16             | 1710.00                        | -33.09                          | -13                    | PASS           |
| Band4       | 10                         | 20350                 | 50                 | #0                     | QPSK              | 1755.00                        | -33.37                          | -13                    | PASS           |
| Band4       | 10                         | 20350                 | 50                 | #0                     | QAM16             | 1755.02                        | -34.37                          | -13                    | PASS           |
| Band4       | 15                         | 20025                 | 75                 | #0                     | QPSK              | 1710.00                        | -30.43                          | -13                    | PASS           |
| Band4       | 15                         | 20025                 | 75                 | #0                     | QAM16             | 1710.00                        | -33.52                          | -13                    | PASS           |
| Band4       | 15                         | 20325                 | 75                 | #0                     | QPSK              | 1758.15                        | -33.33                          | -13                    | PASS           |
| Band4       | 15                         | 20325                 | 75                 | #0                     | QAM16             | 1755.12                        | -34.47                          | -13                    | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QPSK              | 1709.92                        | -33.47                          | -13                    | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QAM16             | 1709.68                        | -34.83                          | -13                    | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QPSK              | 1755.00                        | -35.10                          | -13                    | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QAM16             | 1755.00                        | -35.61                          | -13                    | PASS           |

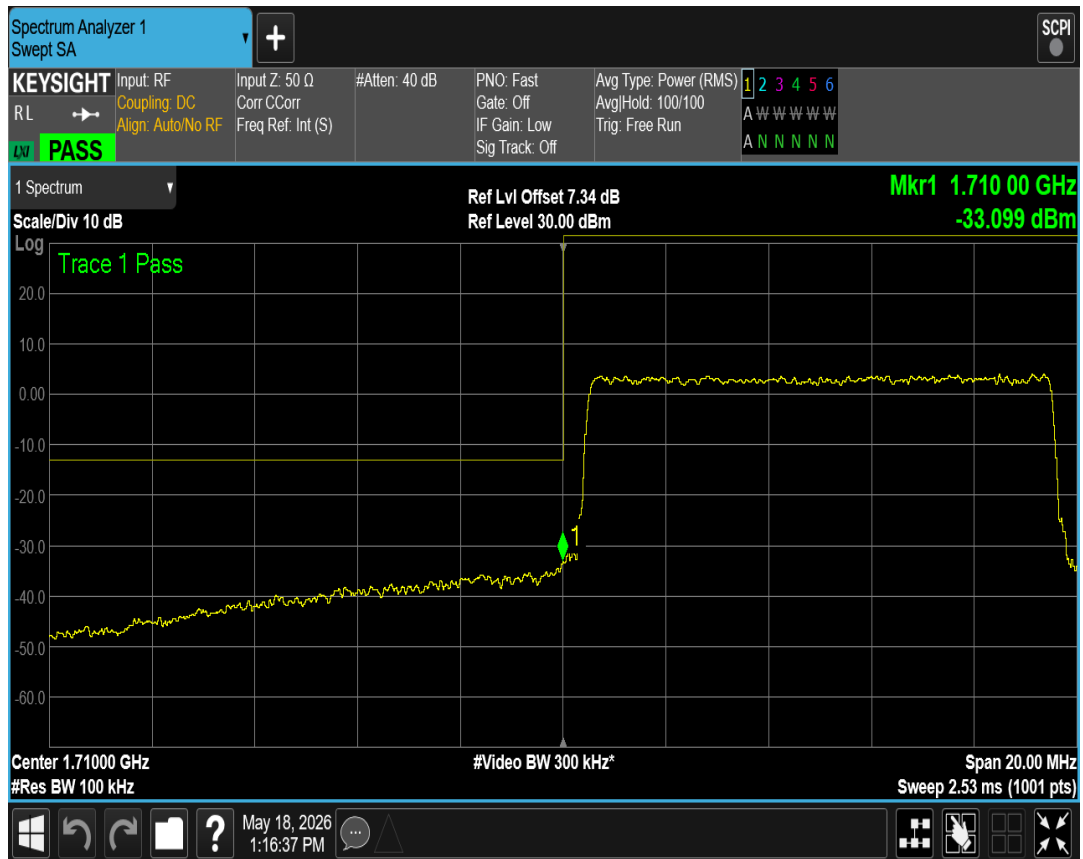
**Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0**



Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



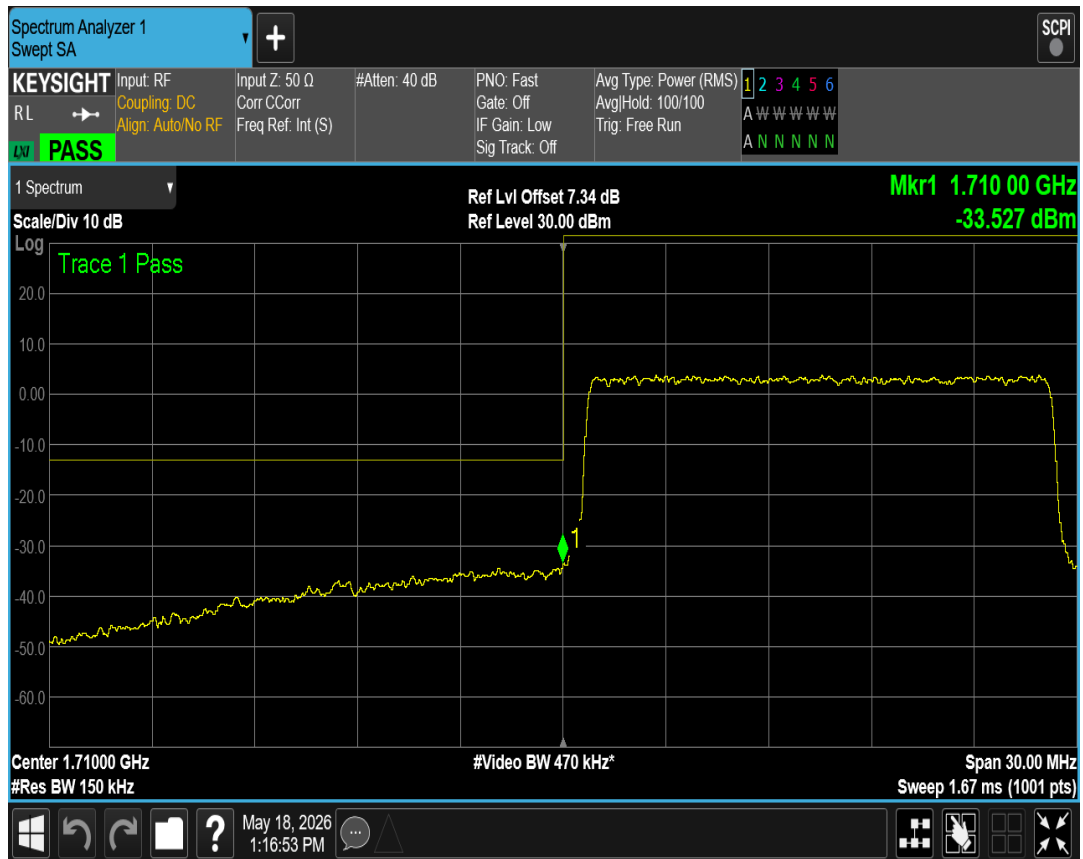
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



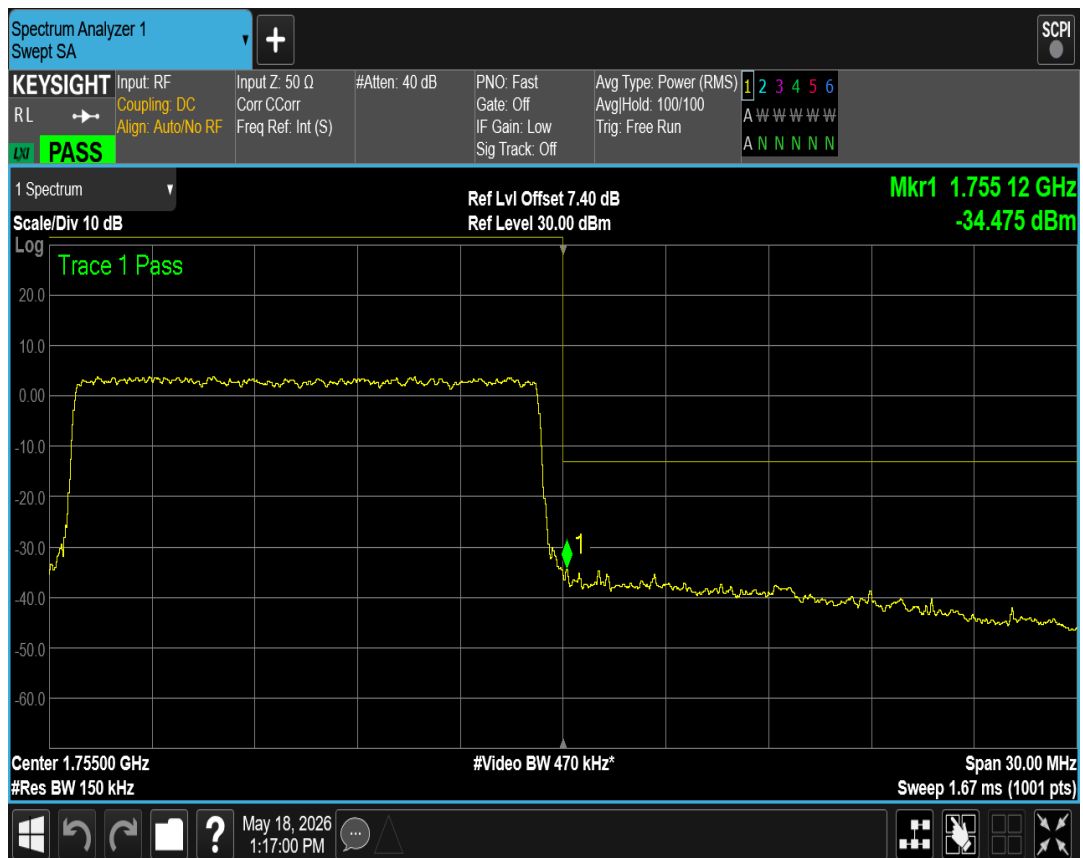
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



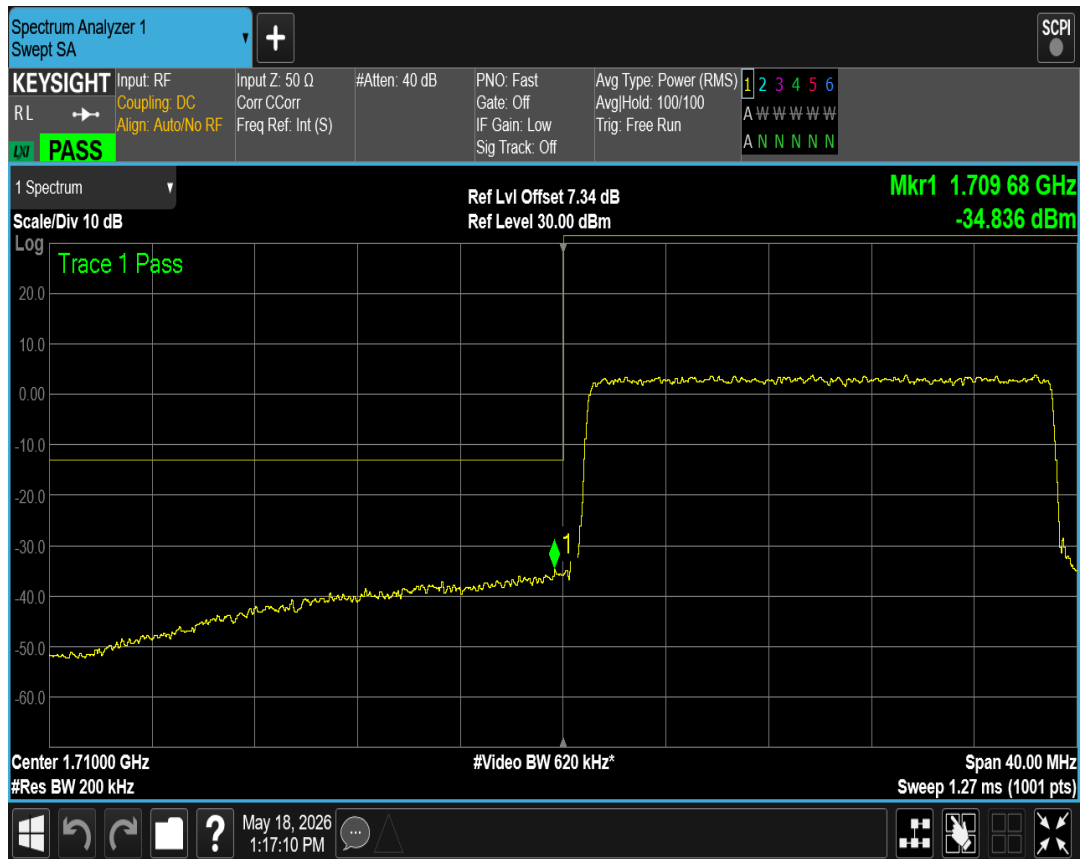
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



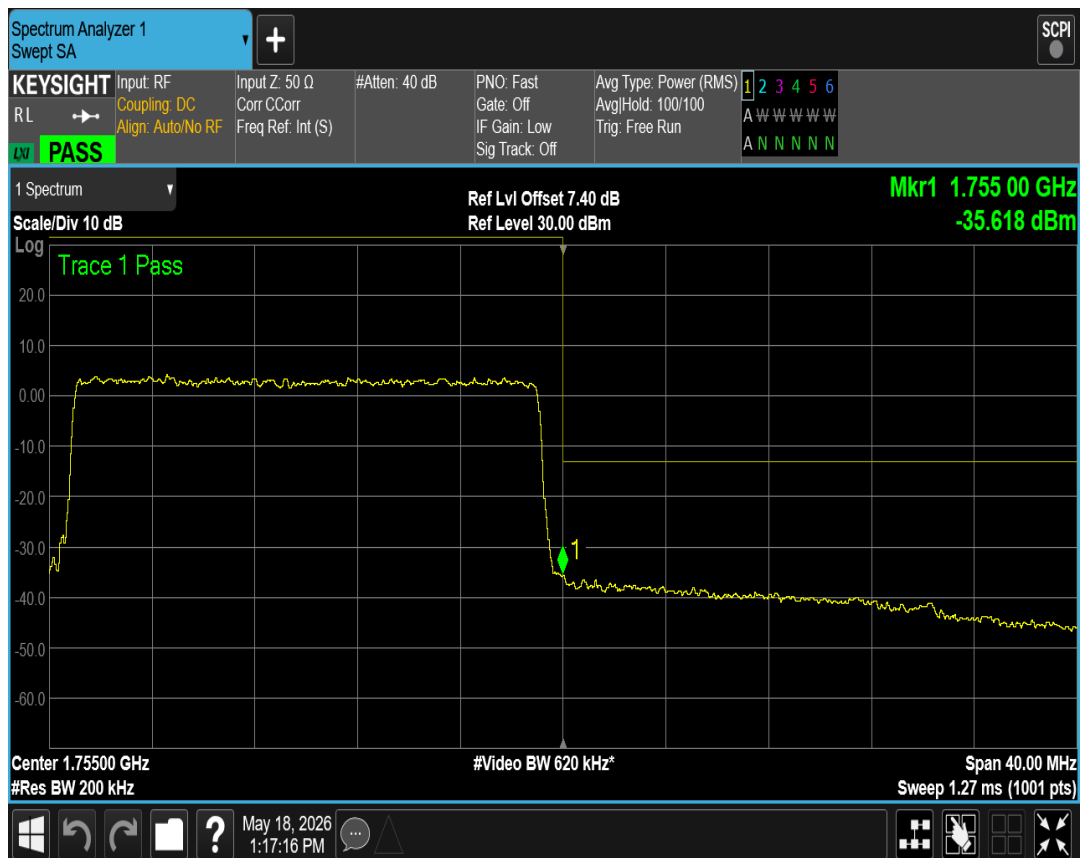
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



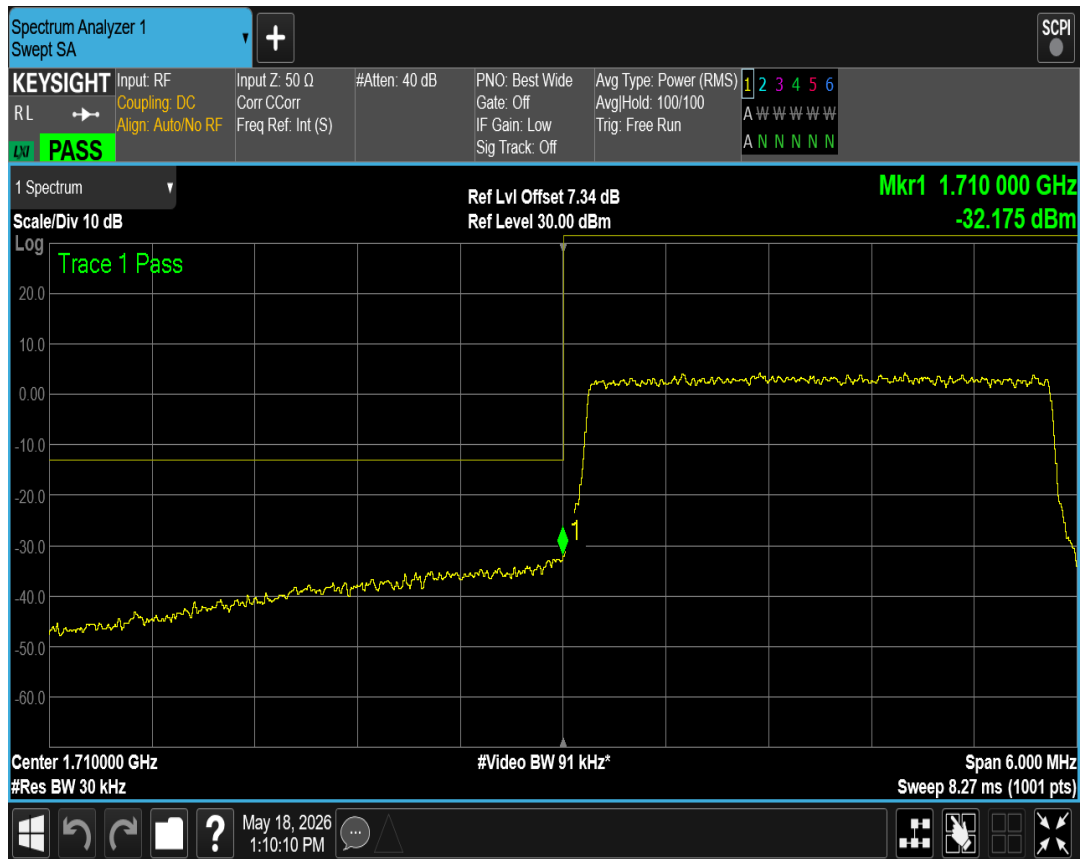
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



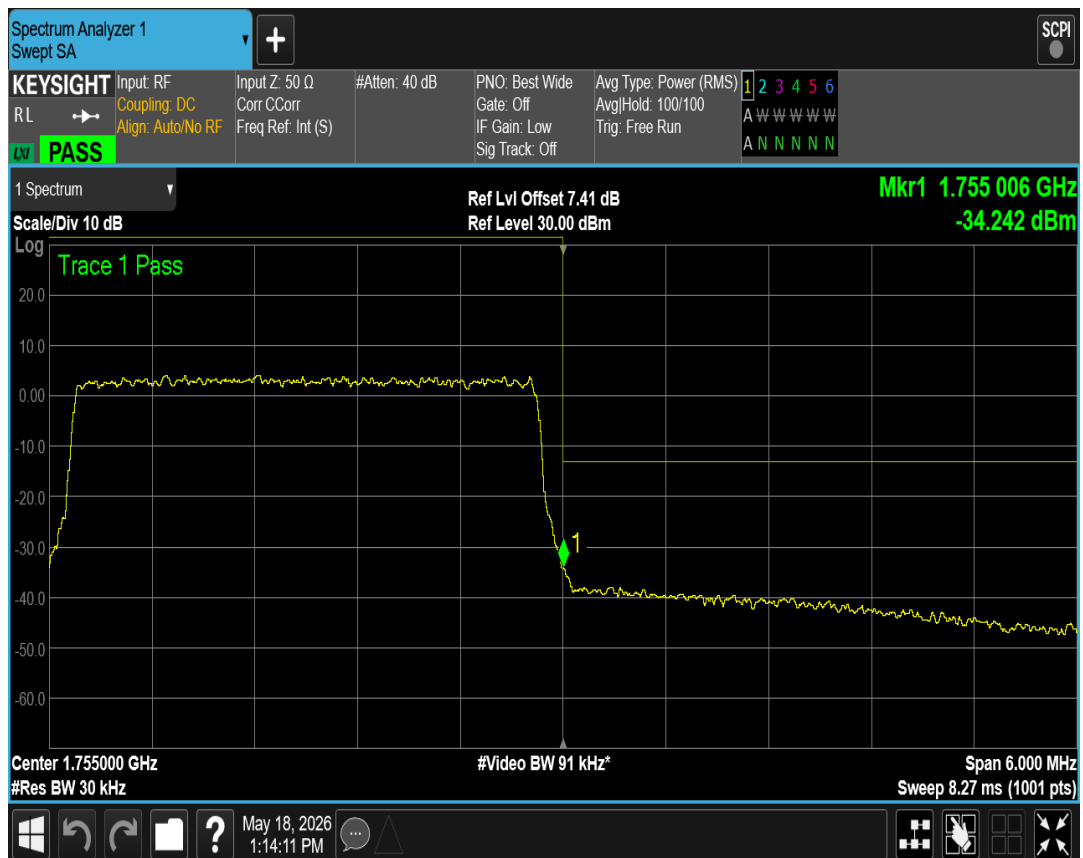
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



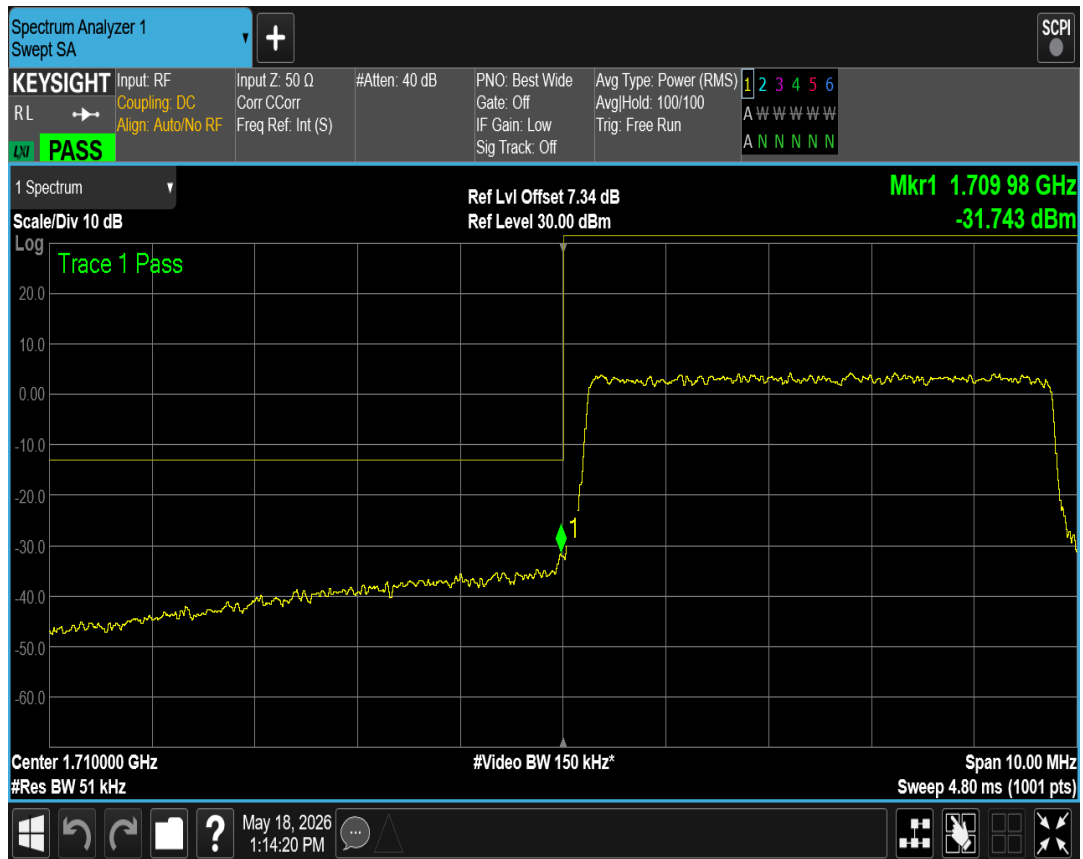
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



**Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0**



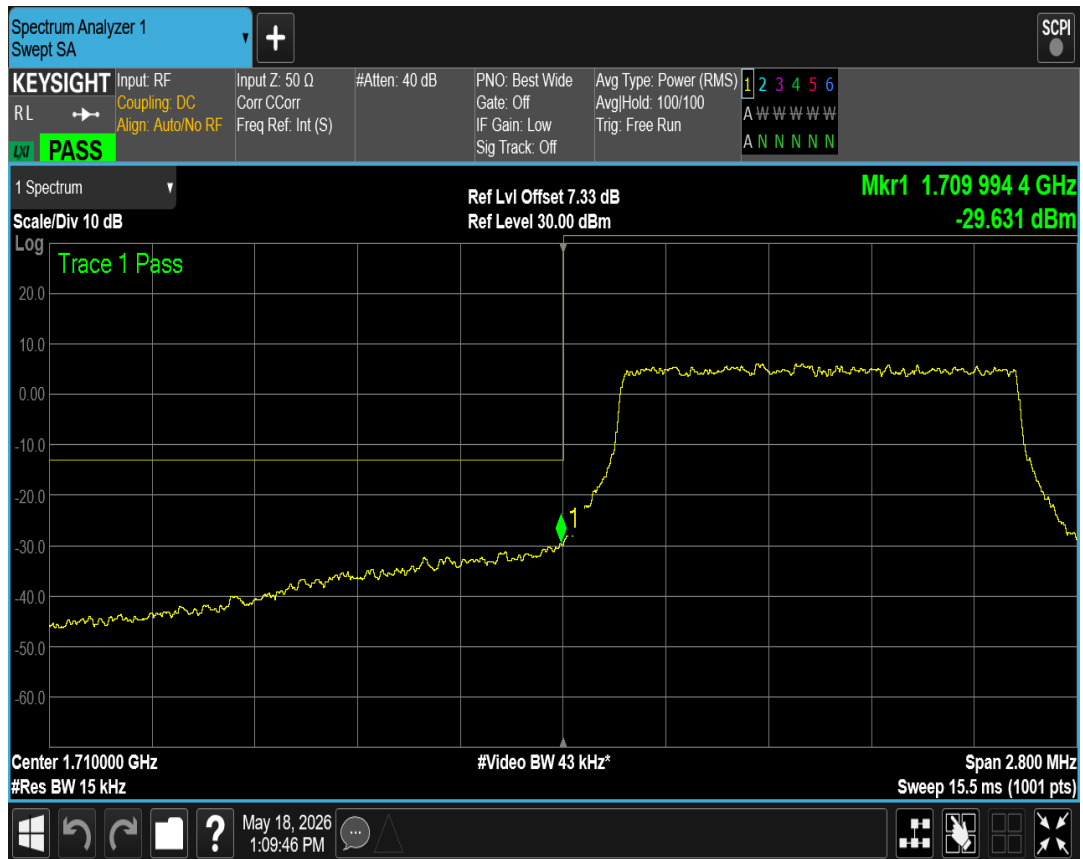
**Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0**



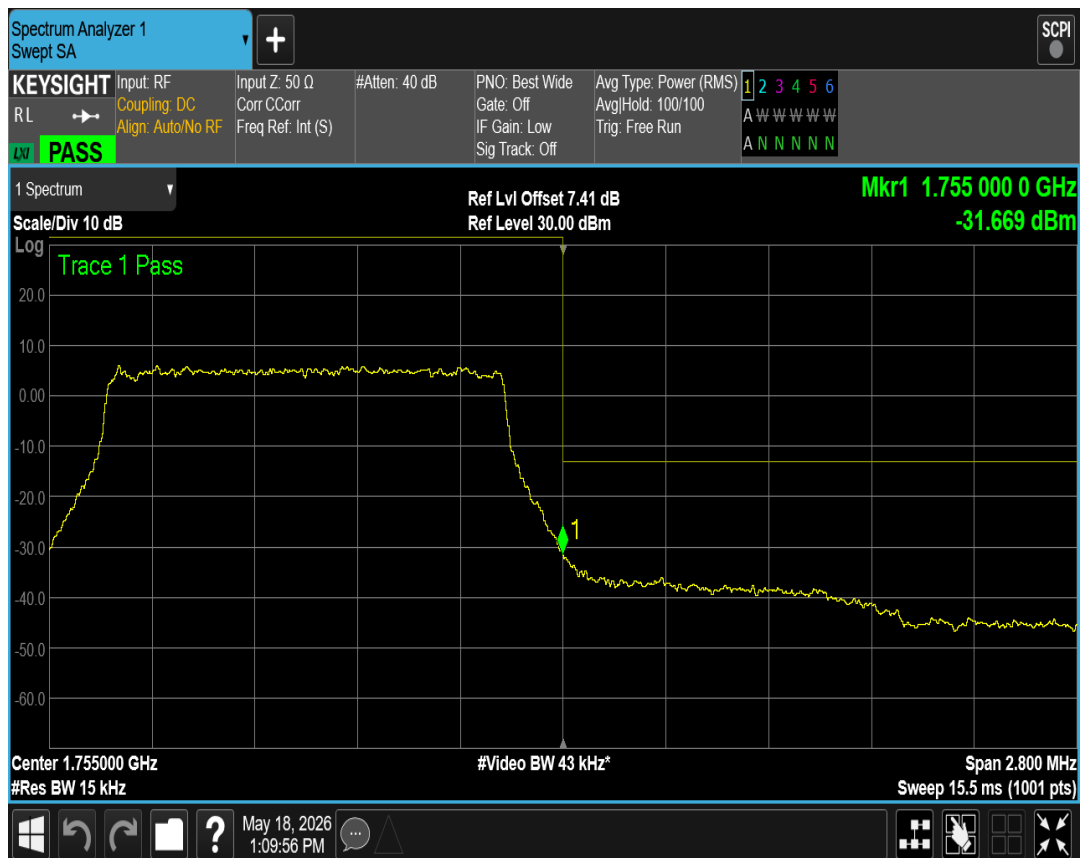
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



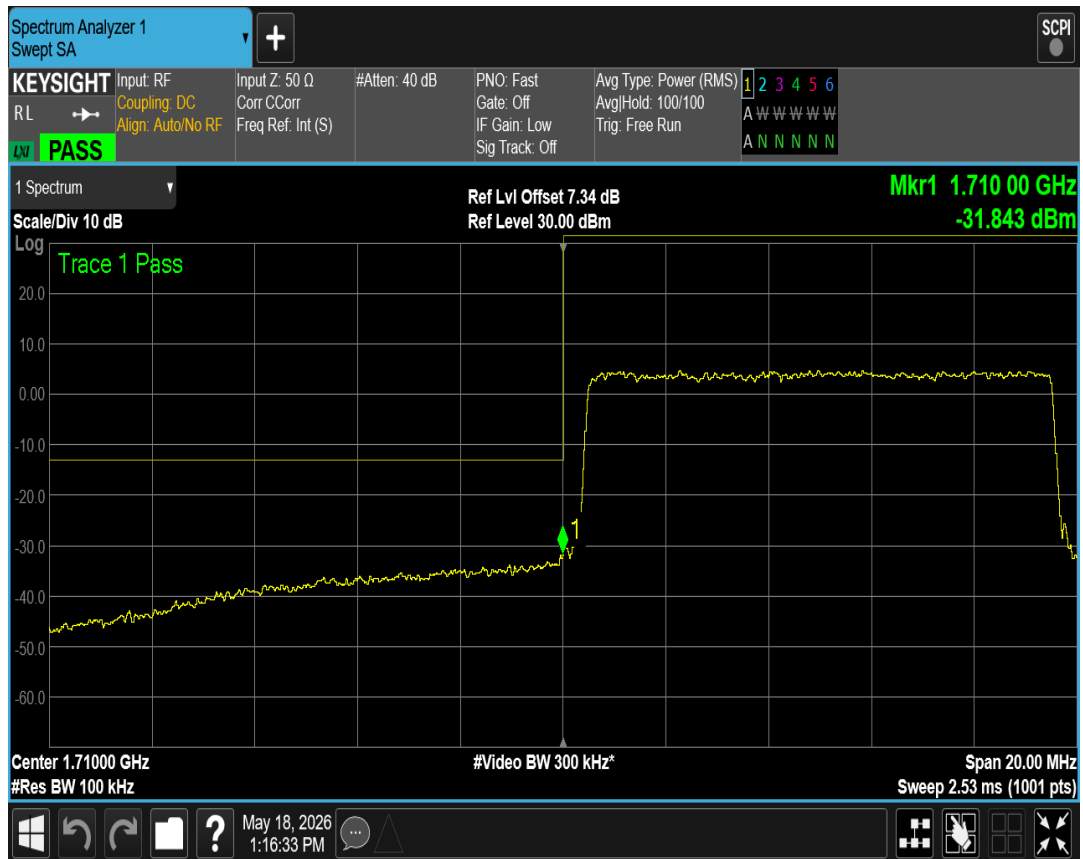
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



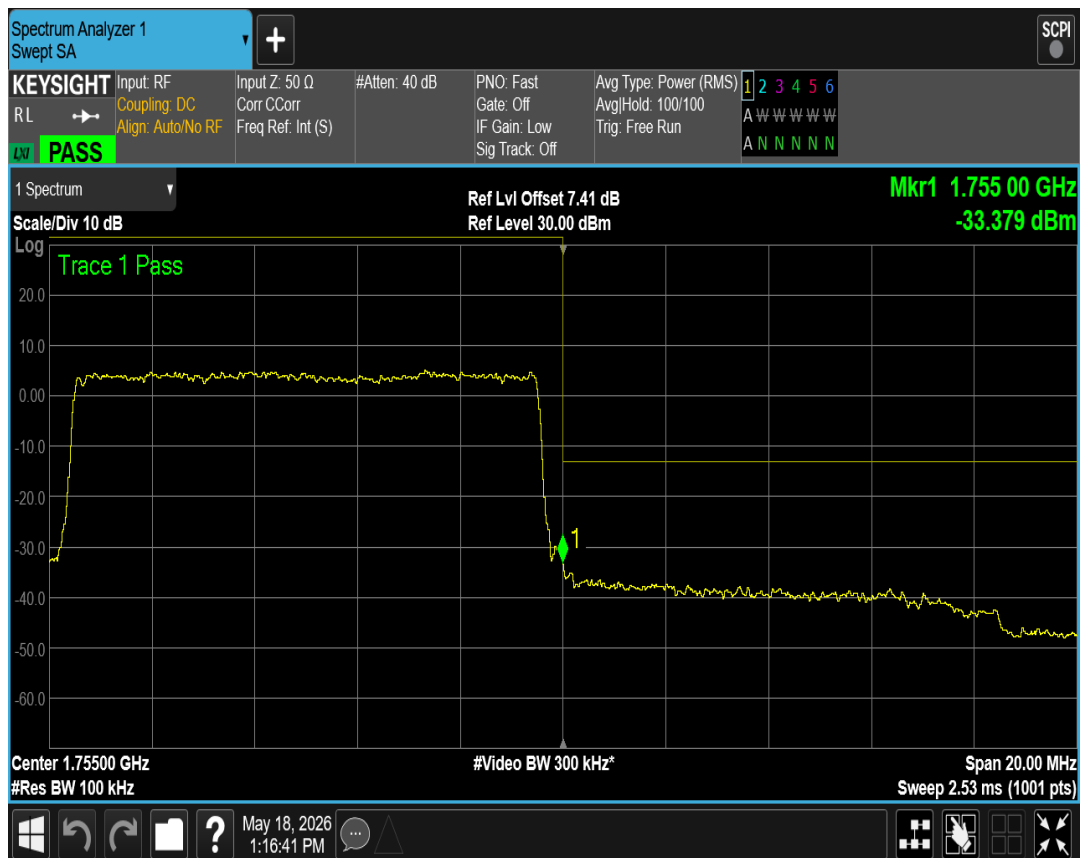
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



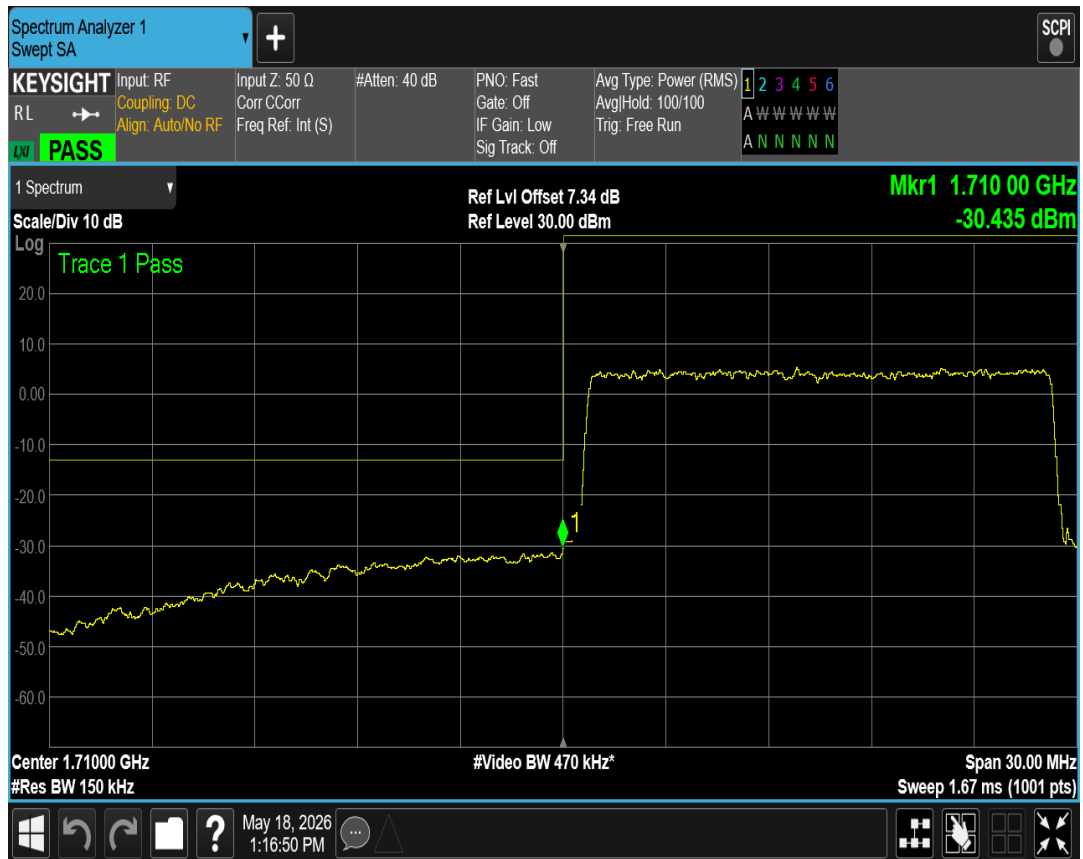
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



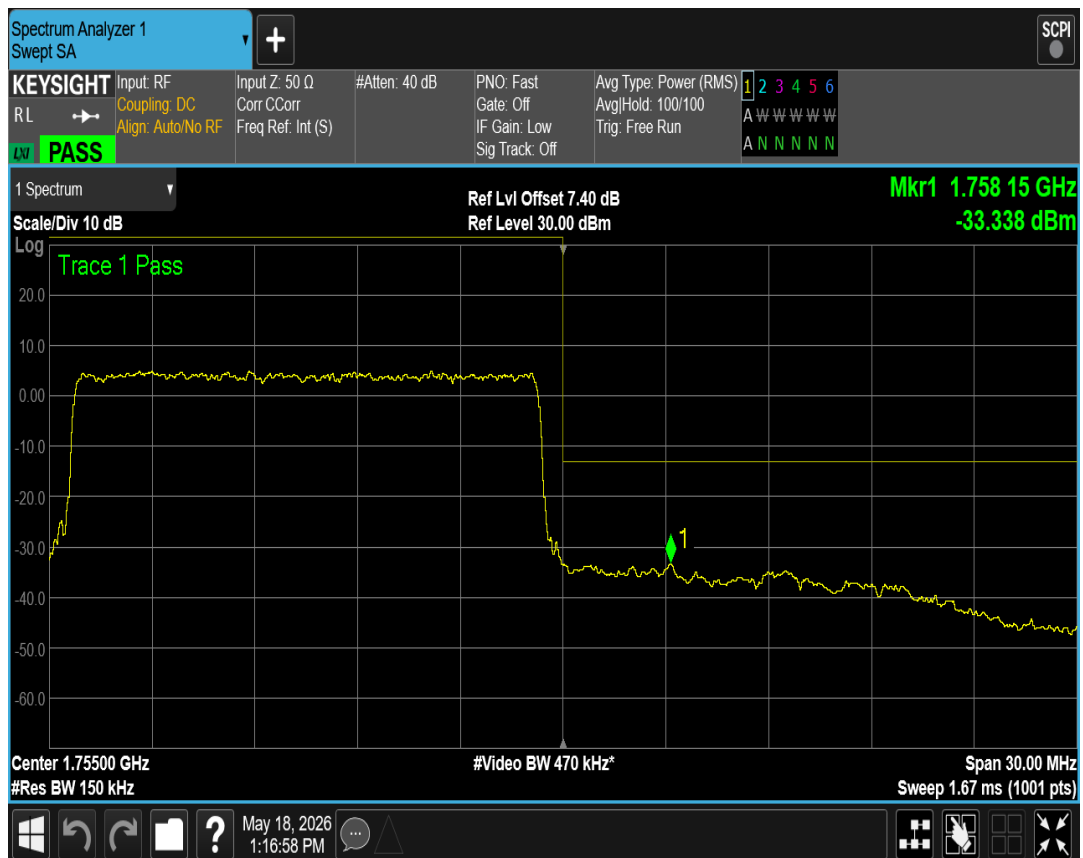
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



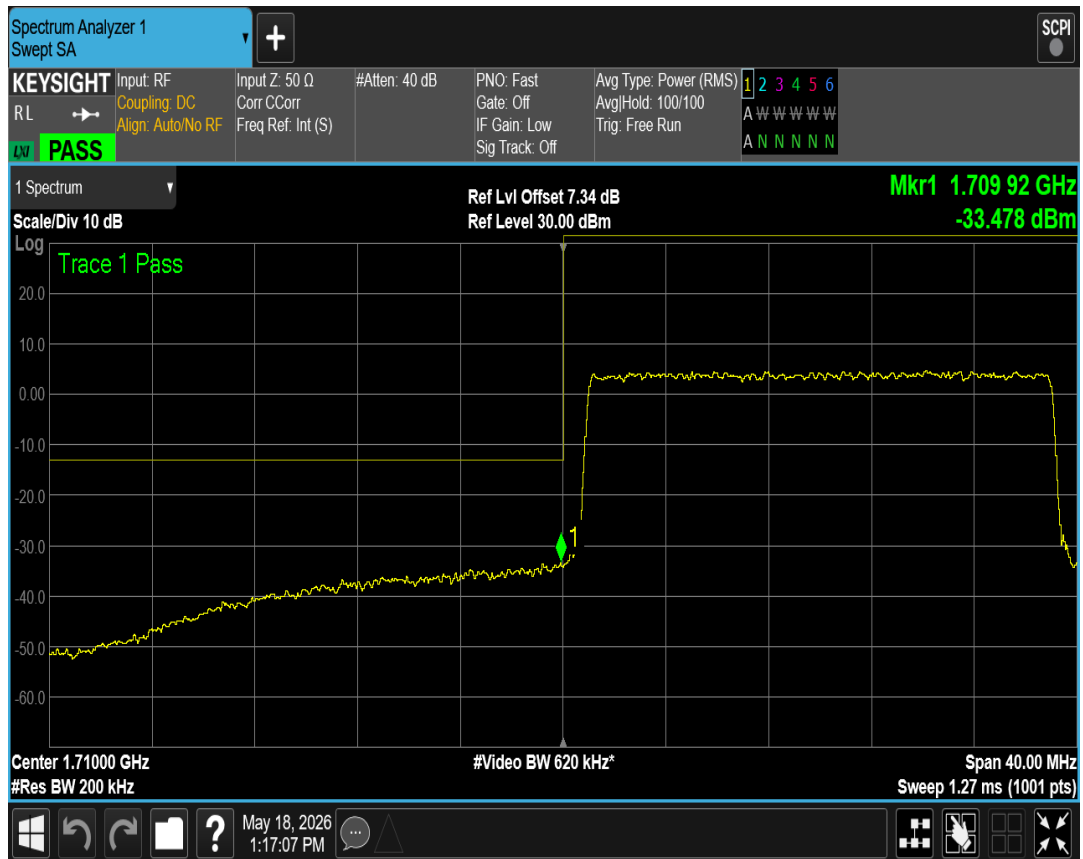
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



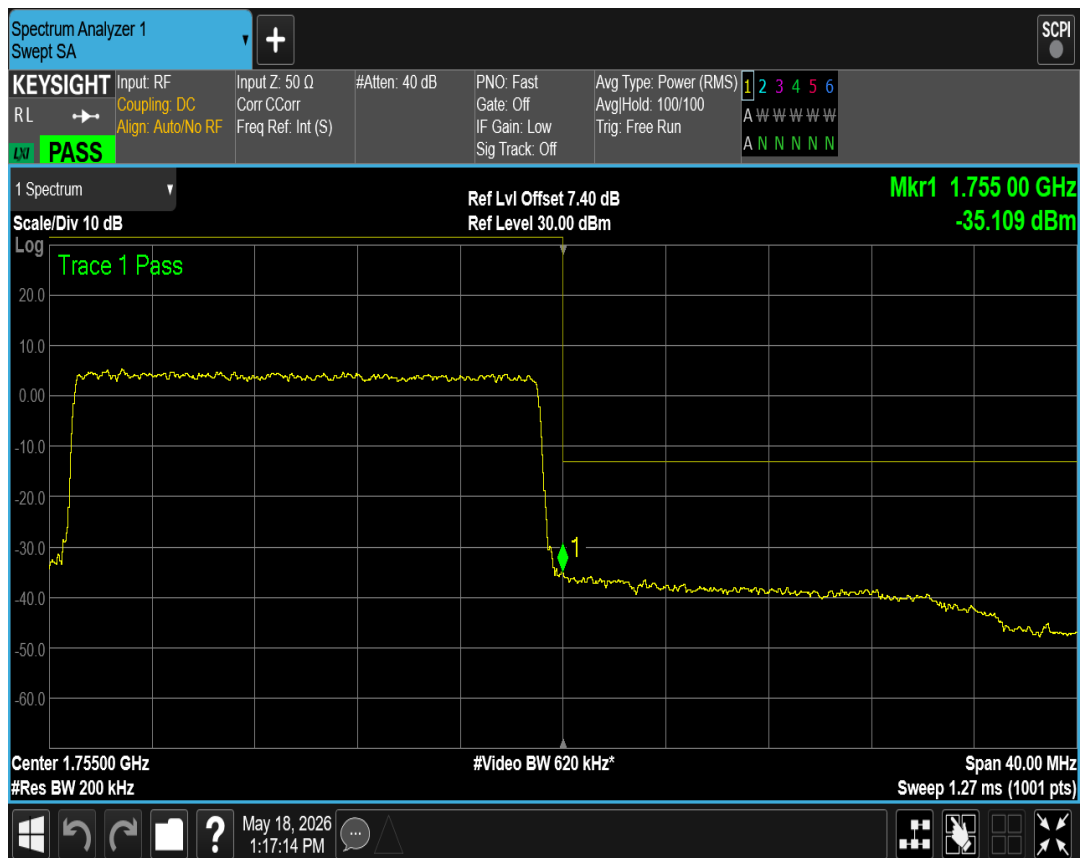
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



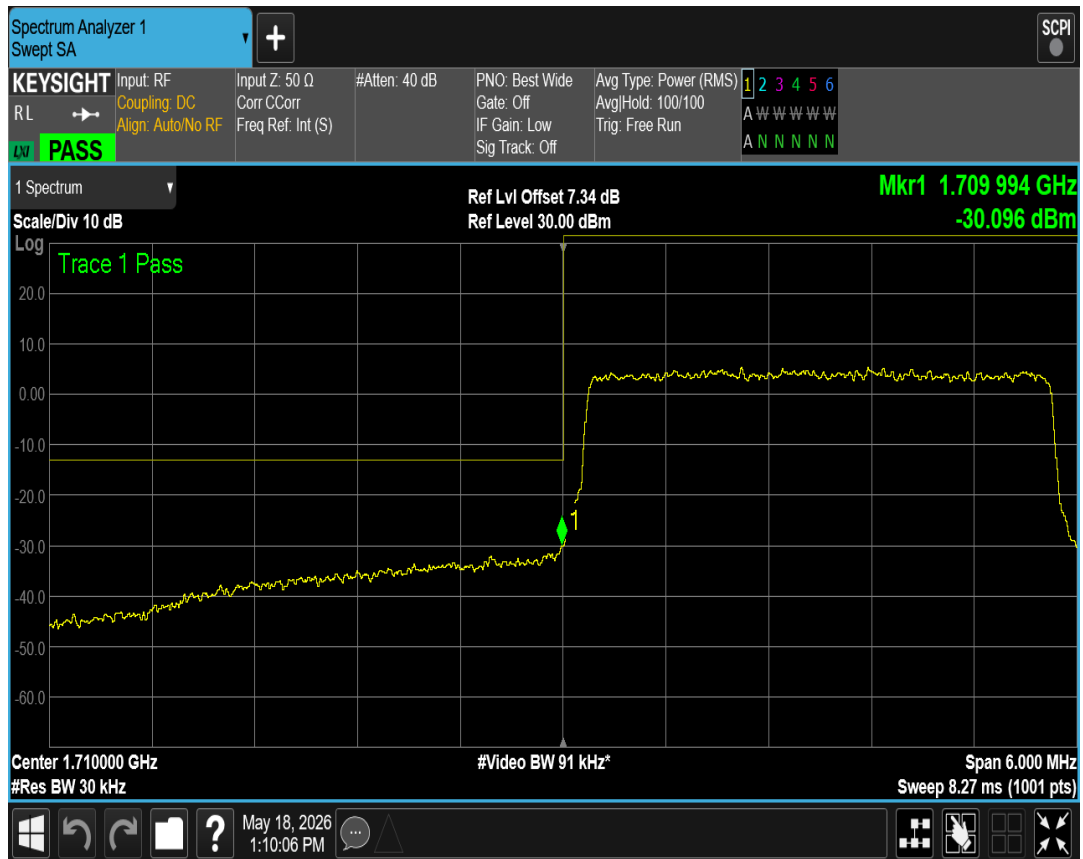
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



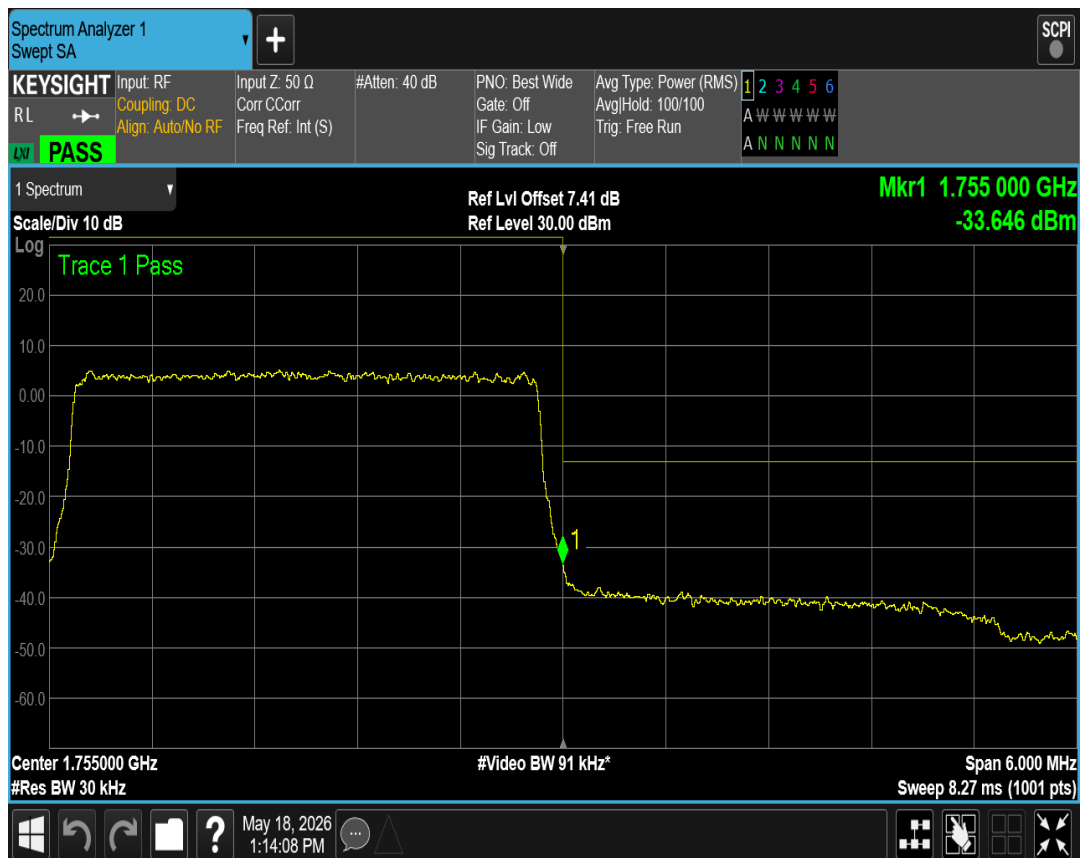
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



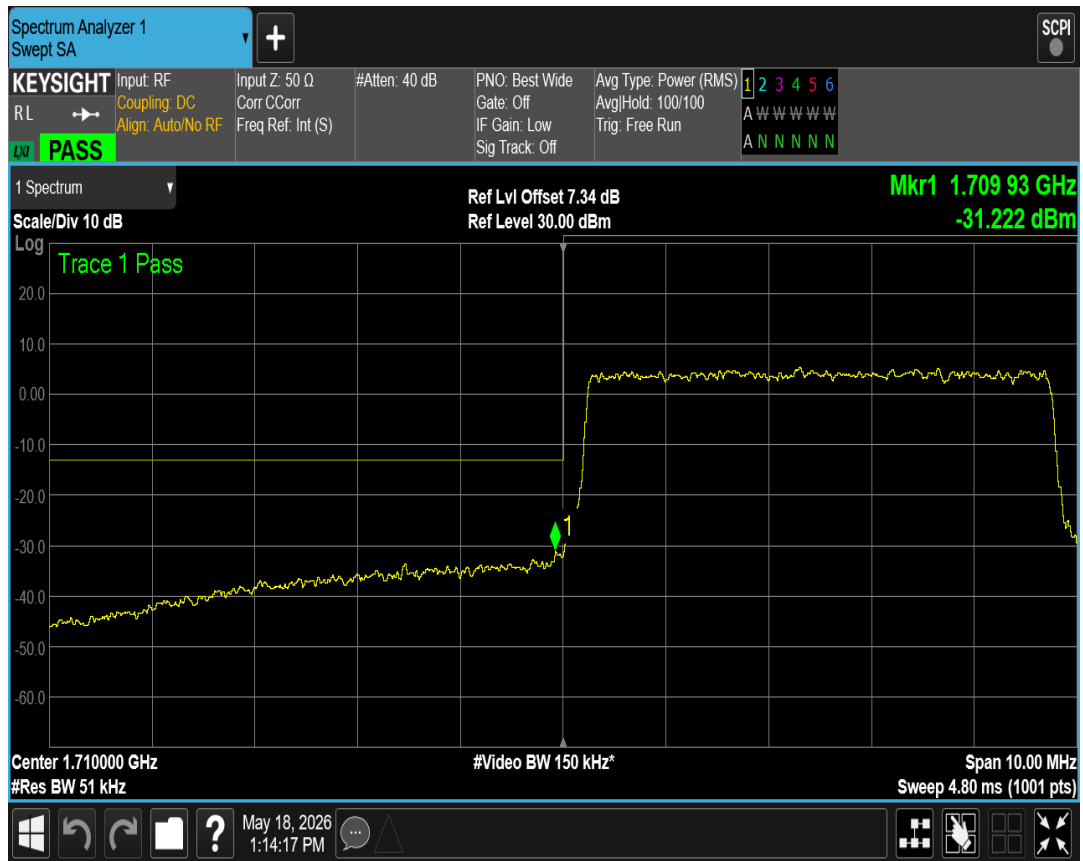
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



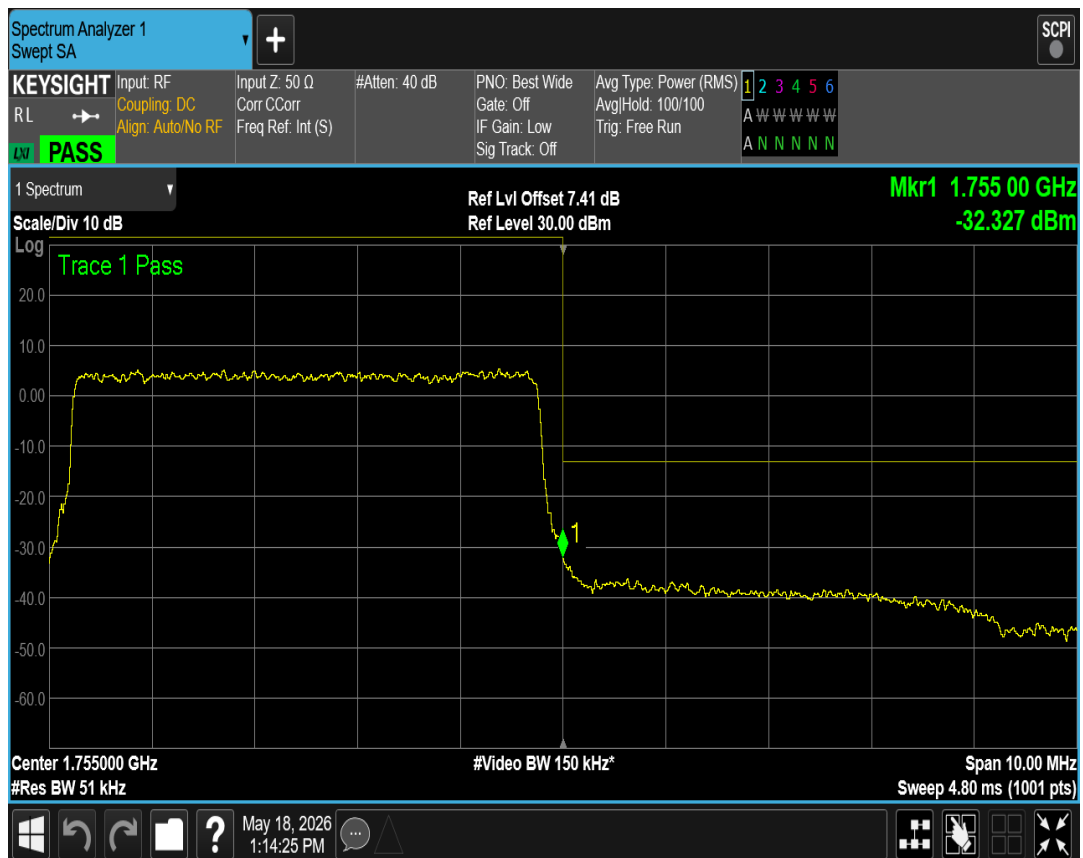
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



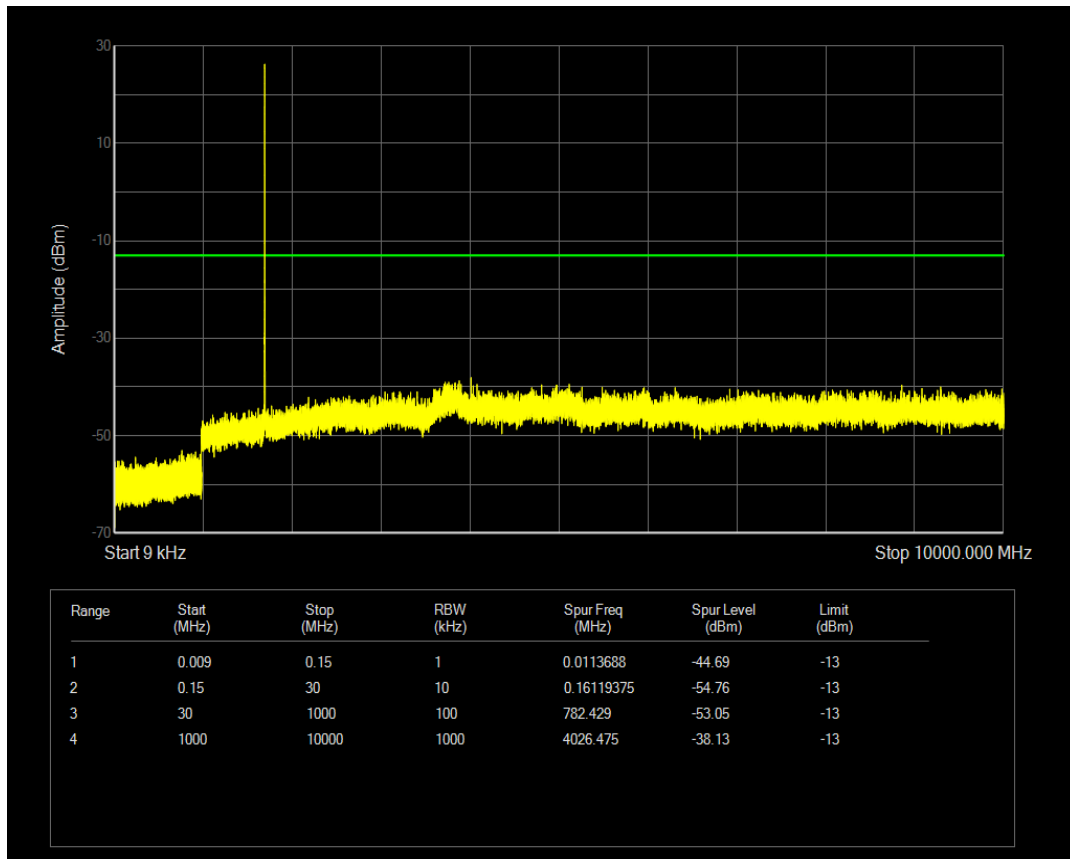
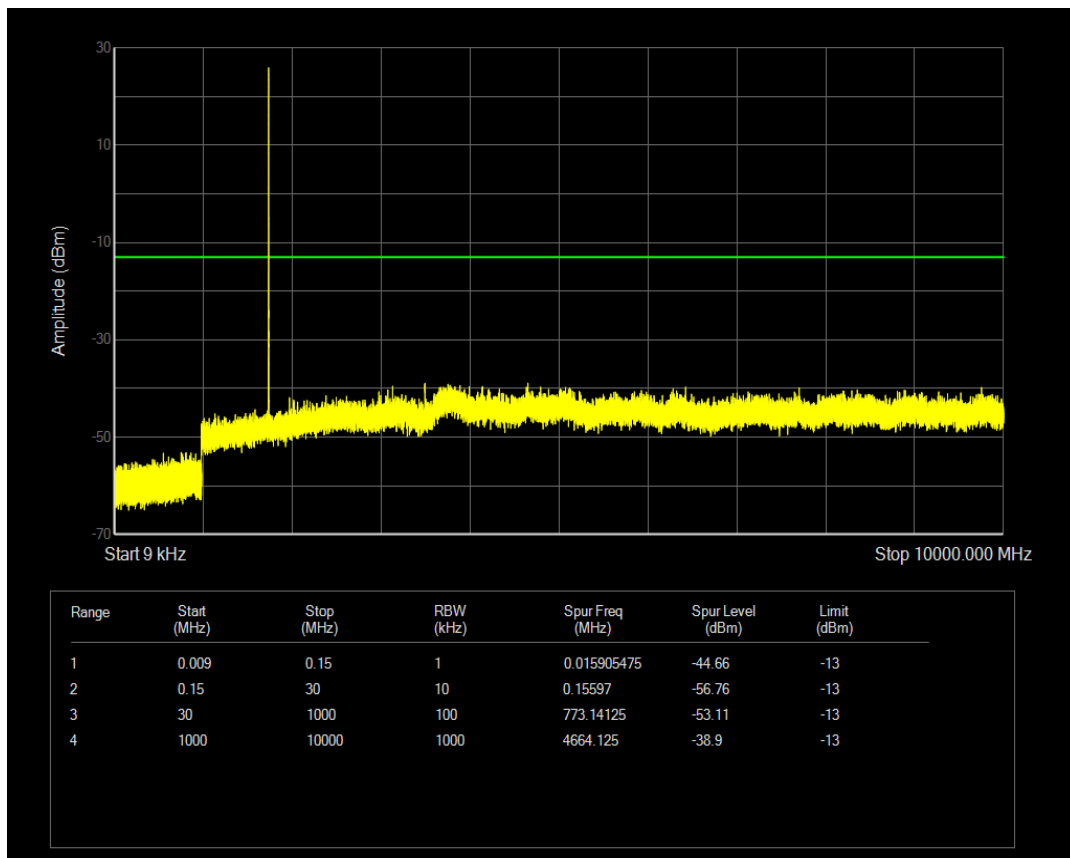
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

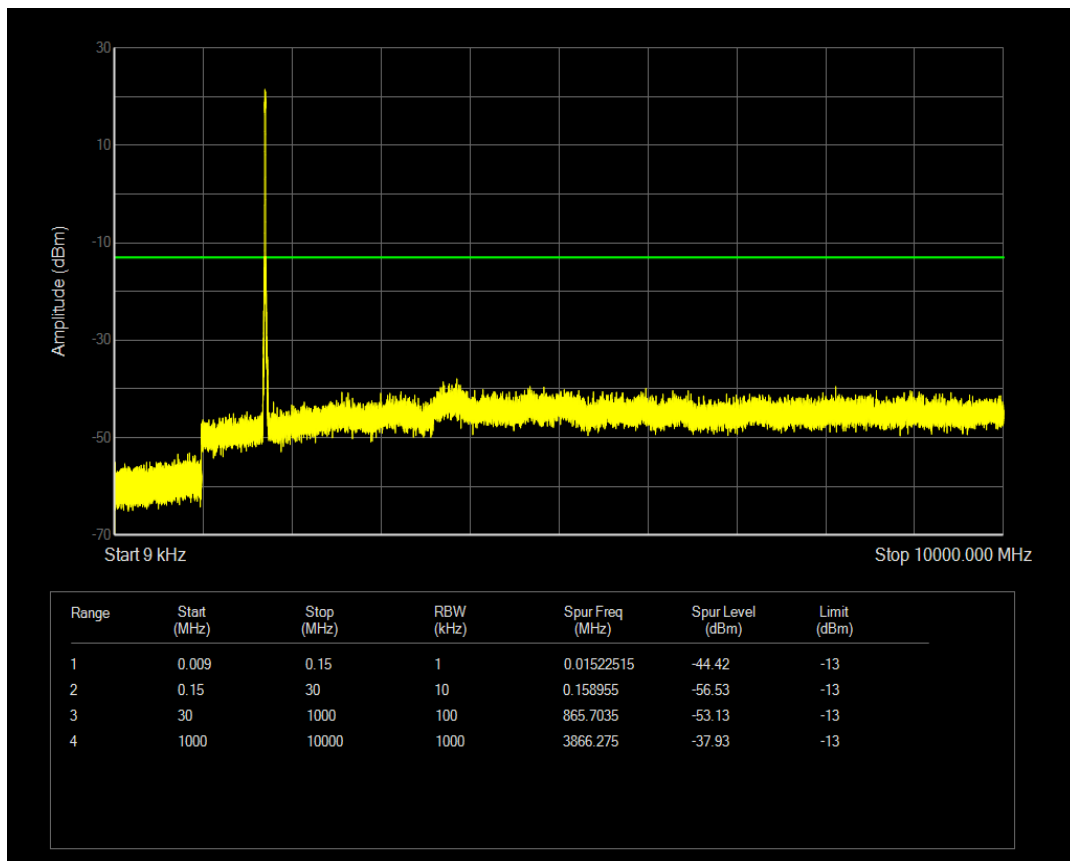
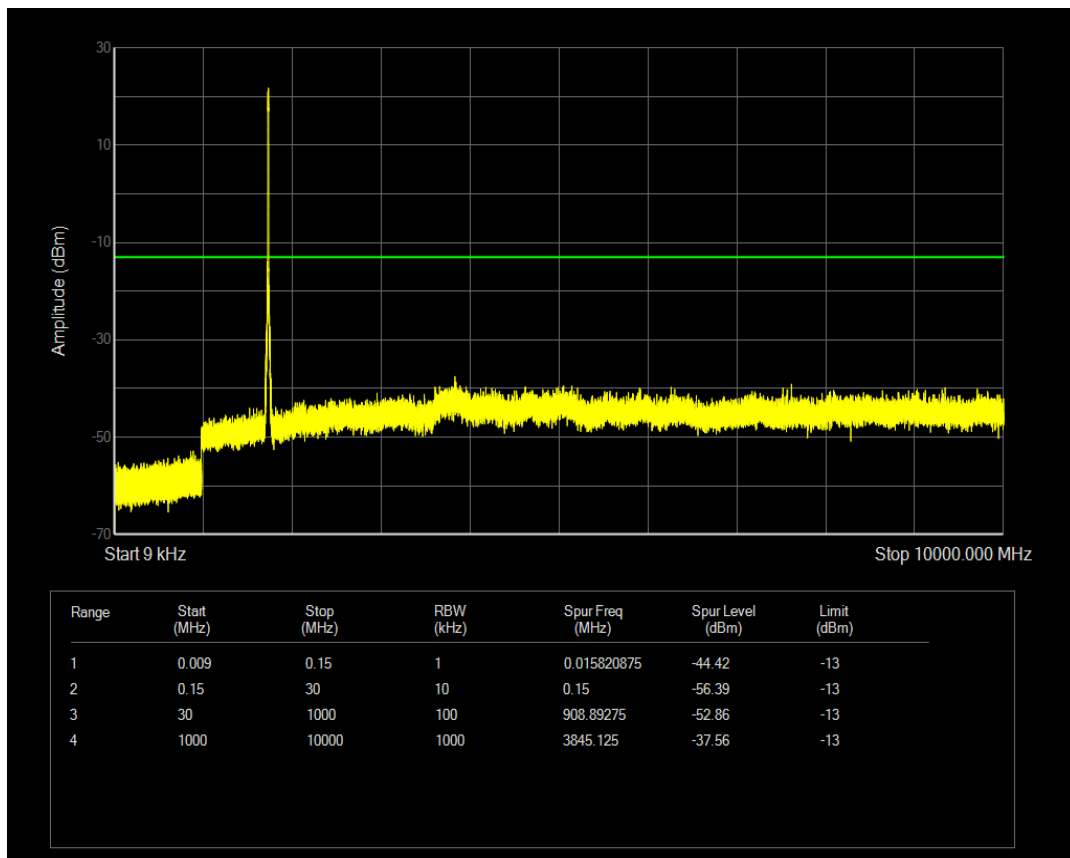


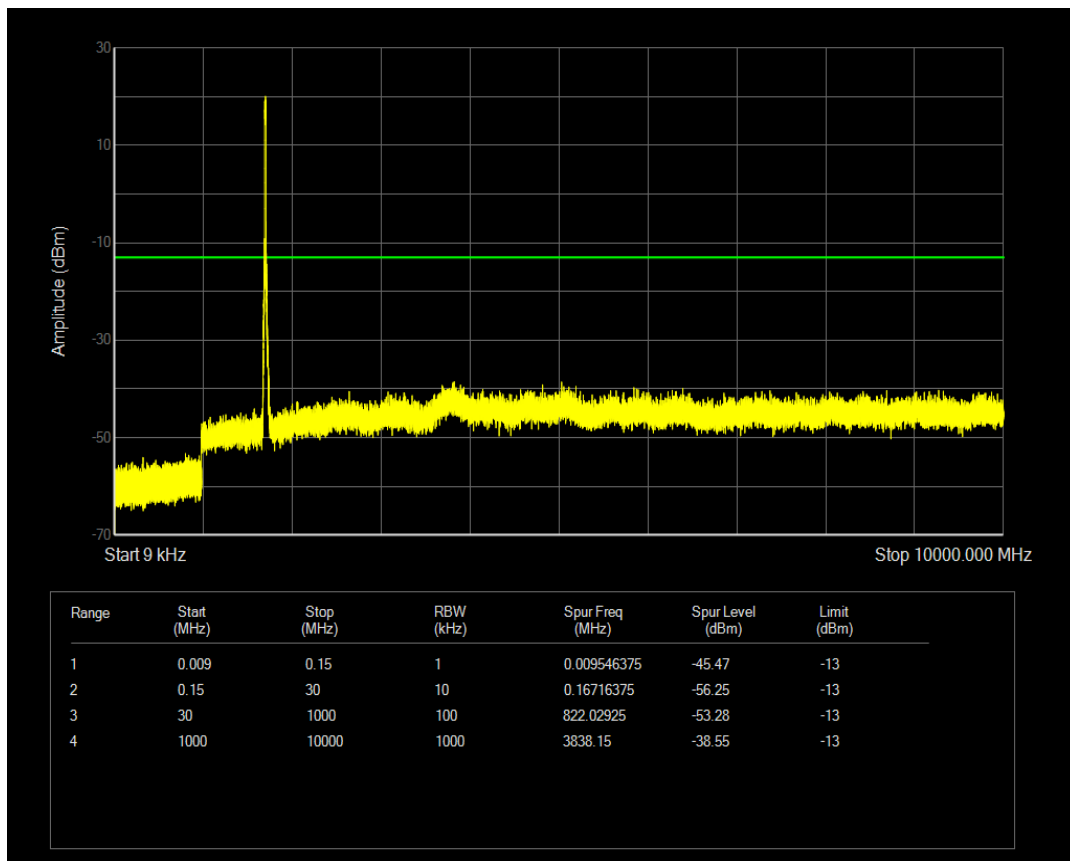
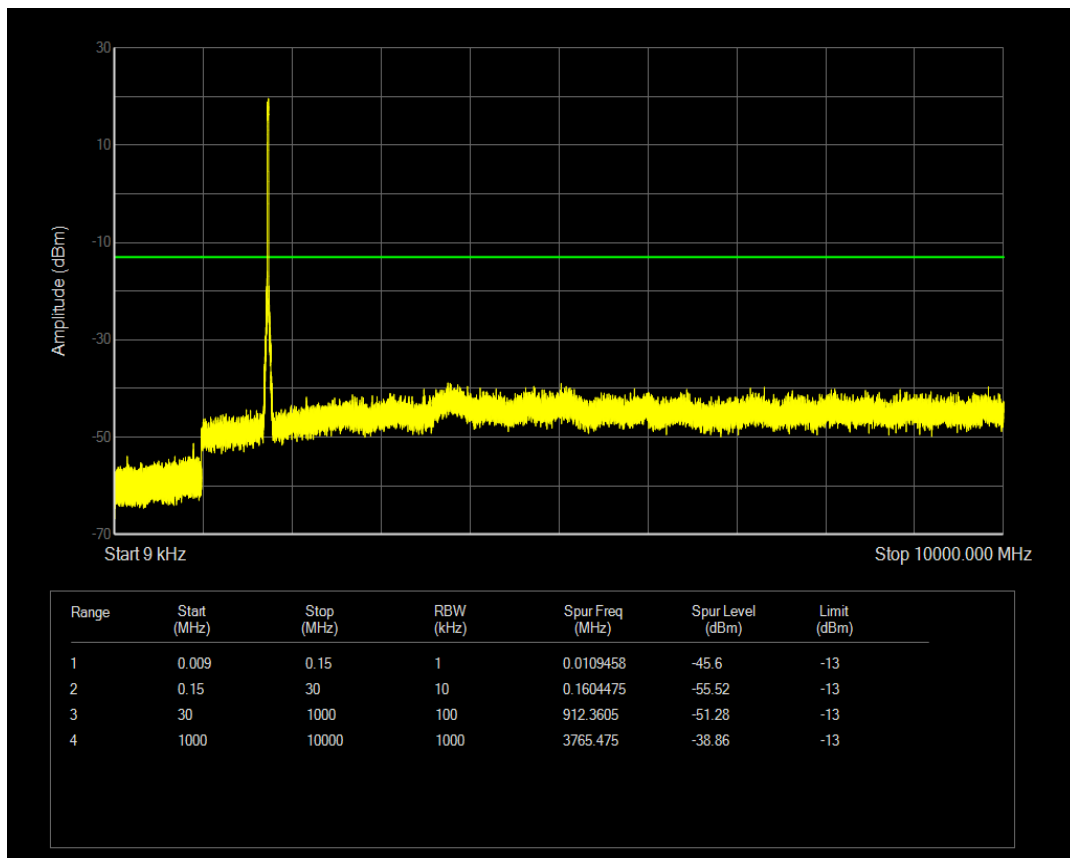
## 6 Out-of-band emissions

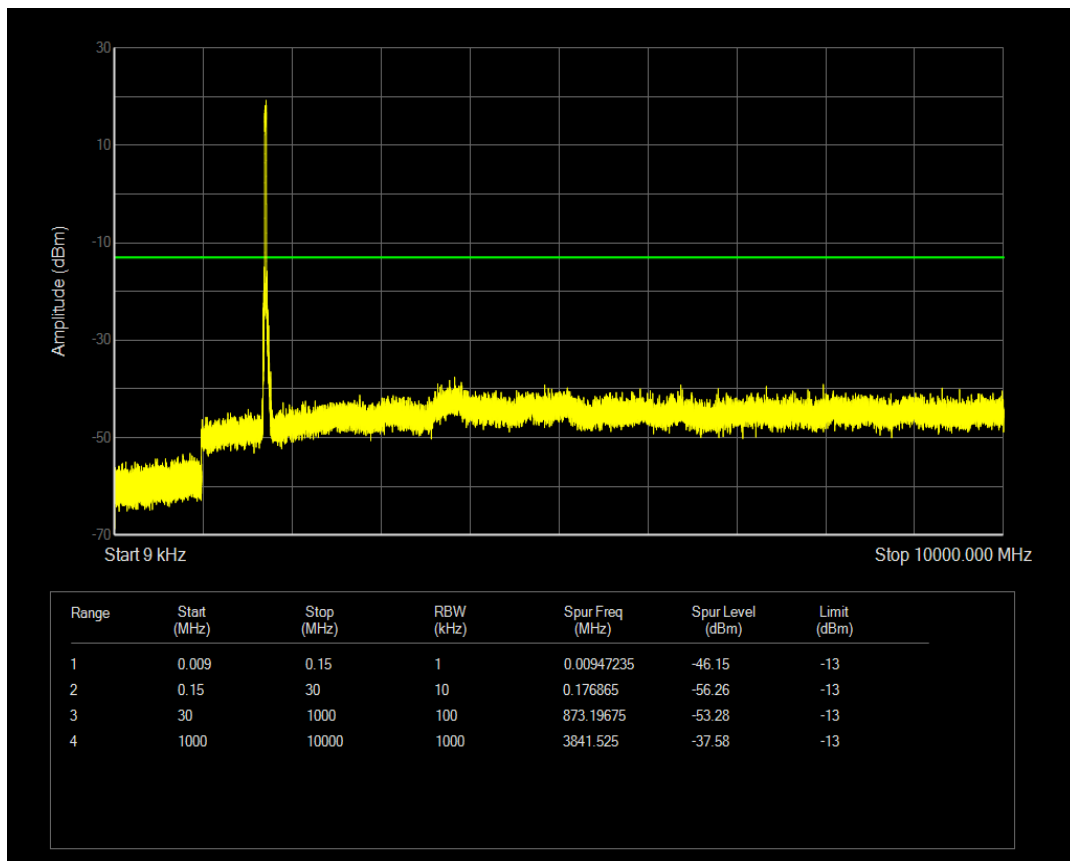
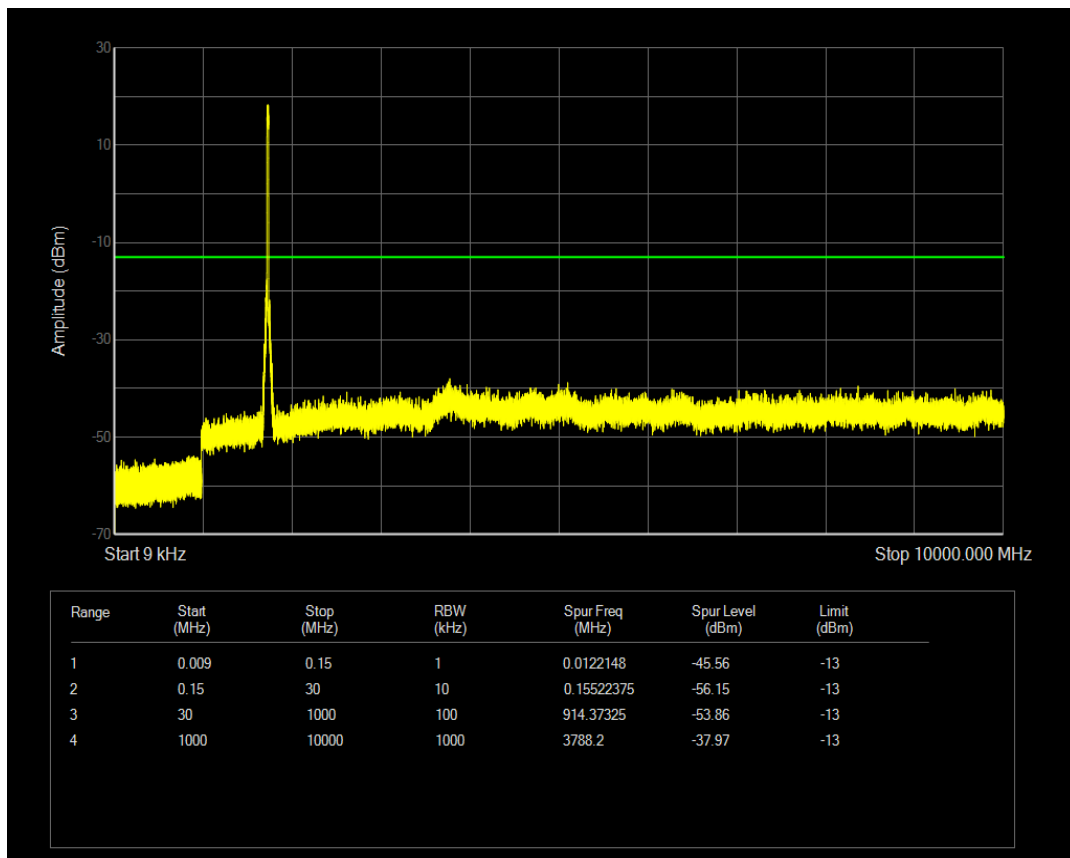
| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>Spur<br/>Freq<br/>(MHz)</i> | <i>Spur<br/>Level<br/>(dBm)</i> | <i>Limit<br/>(dBm)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|--------------------------------|---------------------------------|------------------------|----------------|
| Band4       | 1.4                        | 19957                 | 6                  | #0                     | QPSK              | 3947.28                        | -38.77                          | -13                    | PASS           |
| Band4       | 1.4                        | 19957                 | 6                  | #0                     | QAM16             | 4026.48                        | -38.13                          | -13                    | PASS           |
| Band4       | 1.4                        | 20393                 | 6                  | #0                     | QPSK              | 3508.30                        | -38.10                          | -13                    | PASS           |
| Band4       | 1.4                        | 20393                 | 6                  | #0                     | QAM16             | 4664.13                        | -38.90                          | -13                    | PASS           |
| Band4       | 3                          | 19965                 | 15                 | #0                     | QPSK              | 3760.98                        | -38.23                          | -13                    | PASS           |
| Band4       | 3                          | 19965                 | 15                 | #0                     | QAM16             | 3745.68                        | -38.74                          | -13                    | PASS           |
| Band4       | 3                          | 20385                 | 15                 | #0                     | QPSK              | 3781.23                        | -37.55                          | -13                    | PASS           |
| Band4       | 3                          | 20385                 | 15                 | #0                     | QAM16             | 3856.83                        | -38.63                          | -13                    | PASS           |
| Band4       | 5                          | 19975                 | 25                 | #0                     | QPSK              | 3850.53                        | -37.89                          | -13                    | PASS           |
| Band4       | 5                          | 19975                 | 25                 | #0                     | QAM16             | 3856.15                        | -38.98                          | -13                    | PASS           |
| Band4       | 5                          | 20375                 | 25                 | #0                     | QPSK              | 3789.33                        | -38.43                          | -13                    | PASS           |
| Band4       | 5                          | 20375                 | 25                 | #0                     | QAM16             | 3791.13                        | -38.39                          | -13                    | PASS           |
| Band4       | 10                         | 20000                 | 50                 | #0                     | QPSK              | 3767.95                        | -38.88                          | -13                    | PASS           |
| Band4       | 10                         | 20000                 | 50                 | #0                     | QAM16             | 3866.28                        | -37.93                          | -13                    | PASS           |
| Band4       | 10                         | 20350                 | 50                 | #0                     | QPSK              | 3874.83                        | -38.28                          | -13                    | PASS           |
| Band4       | 10                         | 20350                 | 50                 | #0                     | QAM16             | 3845.13                        | -37.56                          | -13                    | PASS           |
| Band4       | 15                         | 20025                 | 75                 | #0                     | QPSK              | 3812.28                        | -38.88                          | -13                    | PASS           |
| Band4       | 15                         | 20025                 | 75                 | #0                     | QAM16             | 3838.15                        | -38.55                          | -13                    | PASS           |
| Band4       | 15                         | 20325                 | 75                 | #0                     | QPSK              | 3750.63                        | -38.68                          | -13                    | PASS           |
| Band4       | 15                         | 20325                 | 75                 | #0                     | QAM16             | 3765.48                        | -38.86                          | -13                    | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QPSK              | 3707.88                        | -39.02                          | -13                    | PASS           |
| Band4       | 20                         | 20050                 | 100                | #0                     | QAM16             | 3841.53                        | -37.58                          | -13                    | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QPSK              | 3812.50                        | -38.54                          | -13                    | PASS           |
| Band4       | 20                         | 20300                 | 100                | #0                     | QAM16             | 3788.20                        | -37.97                          | -13                    | PASS           |

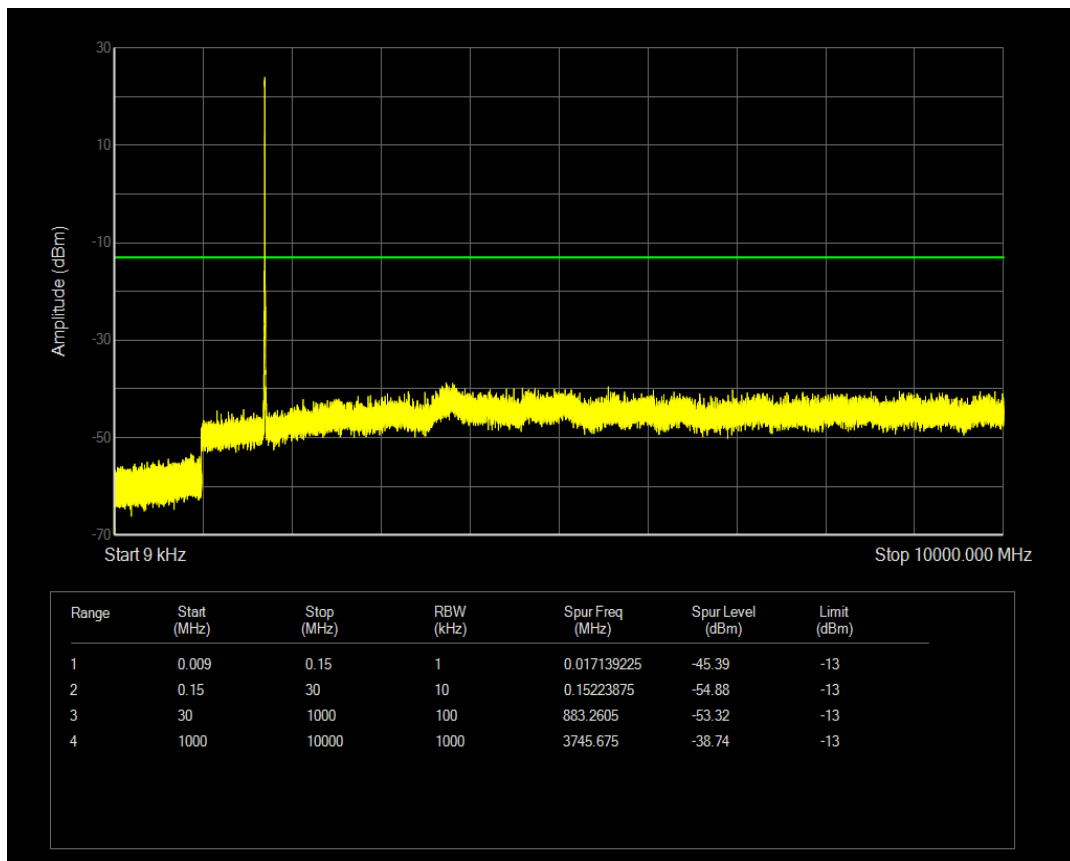
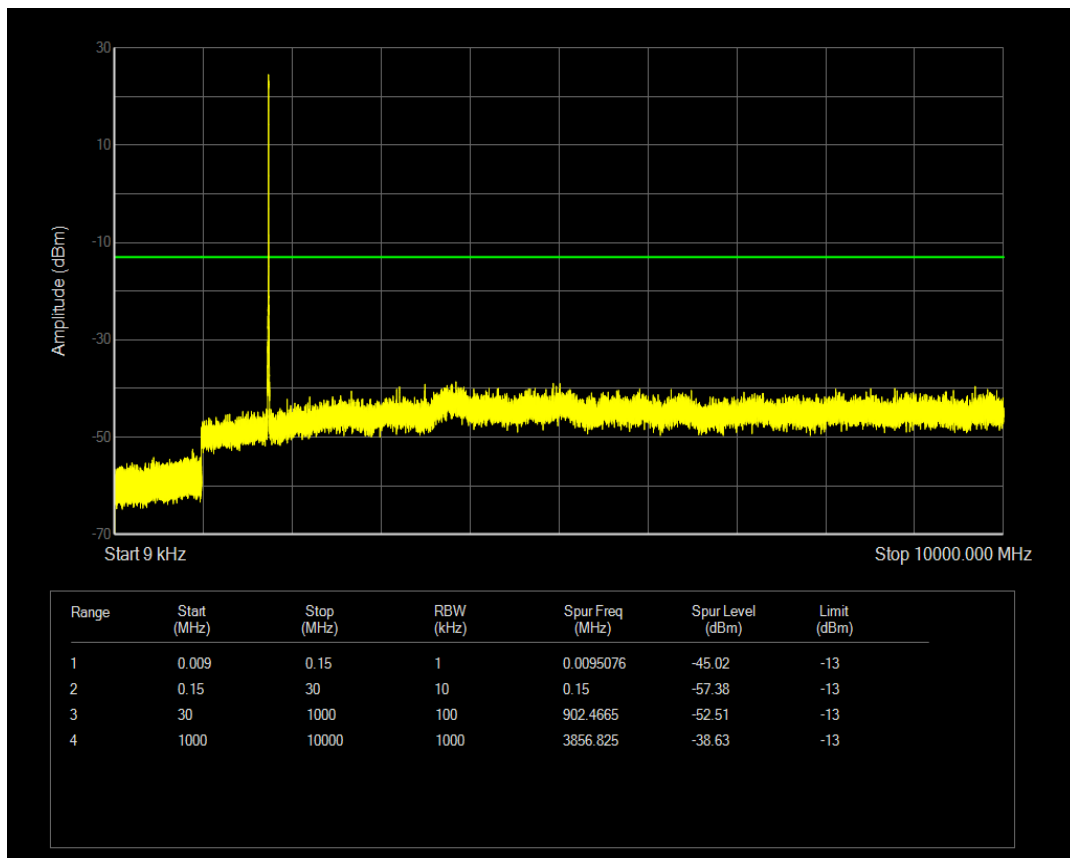
***Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0***

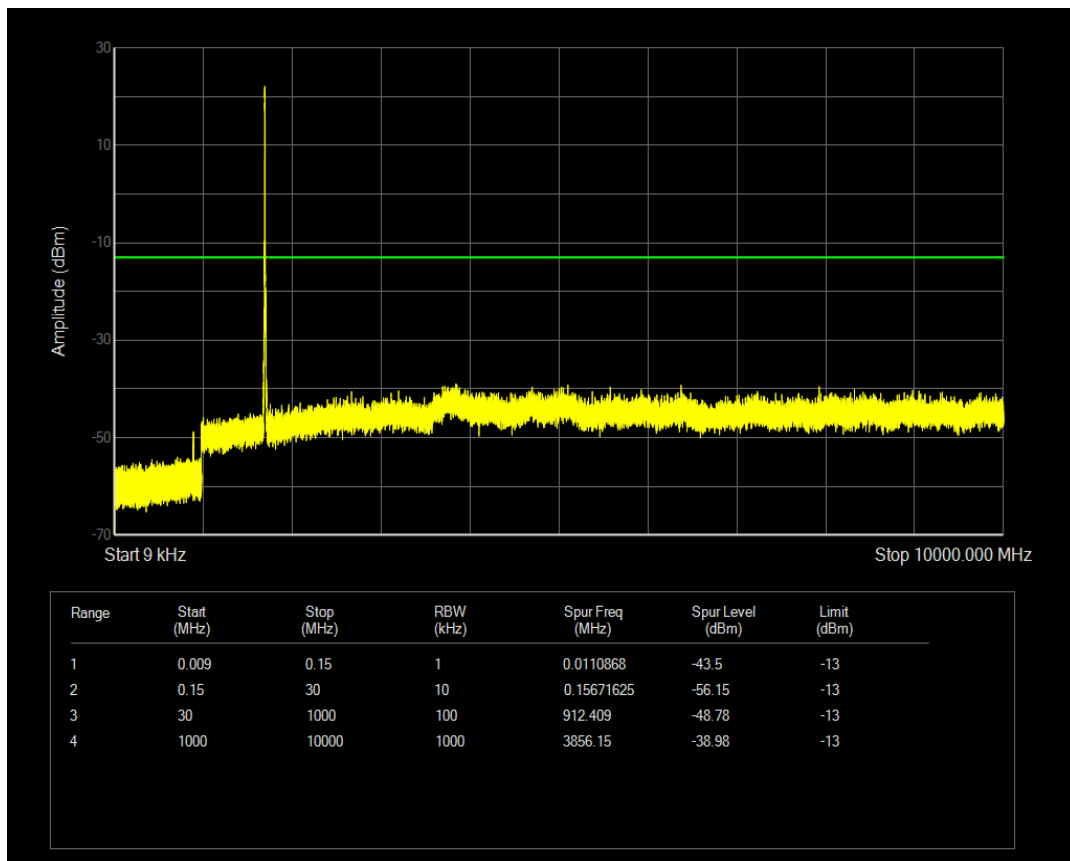
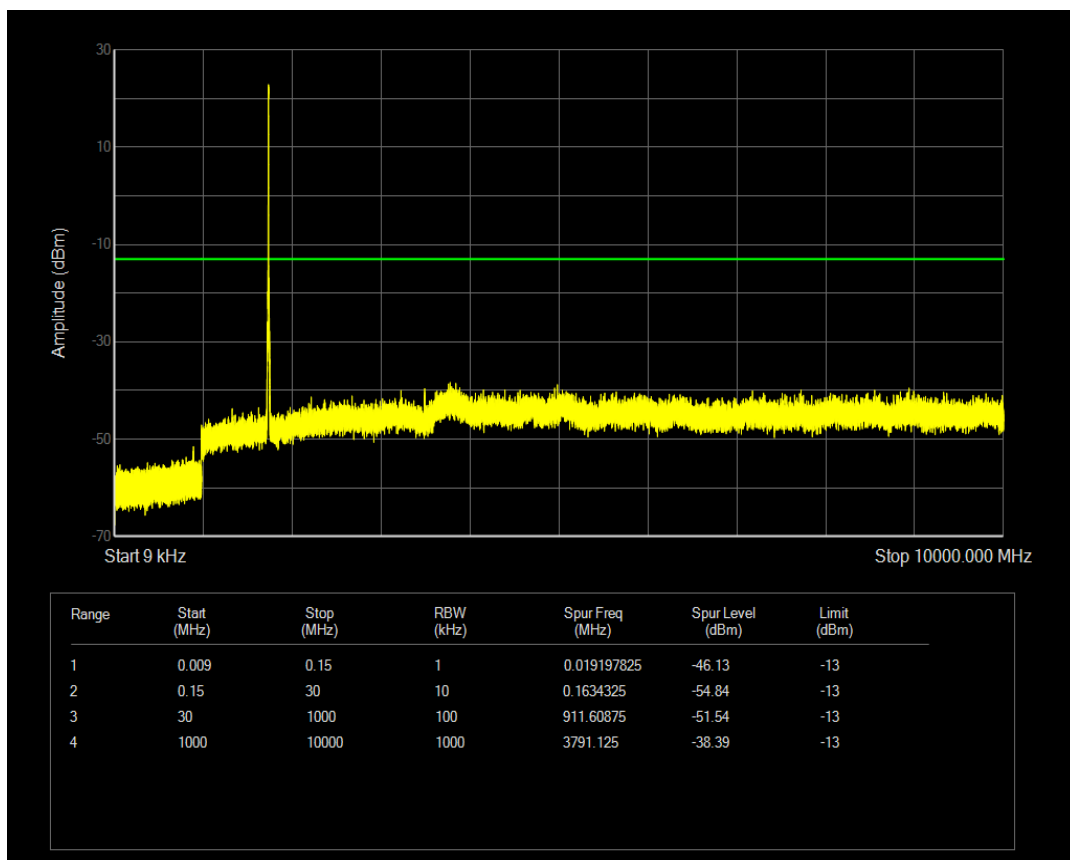
**Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0****Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0**

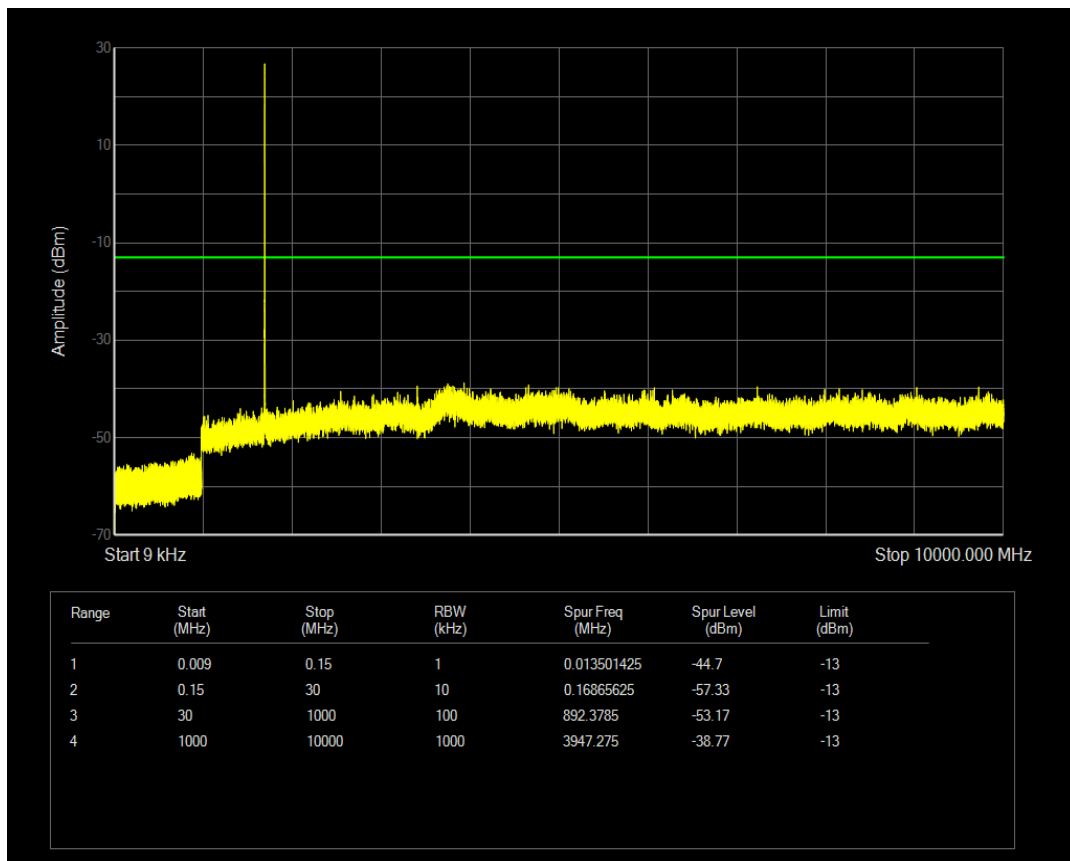
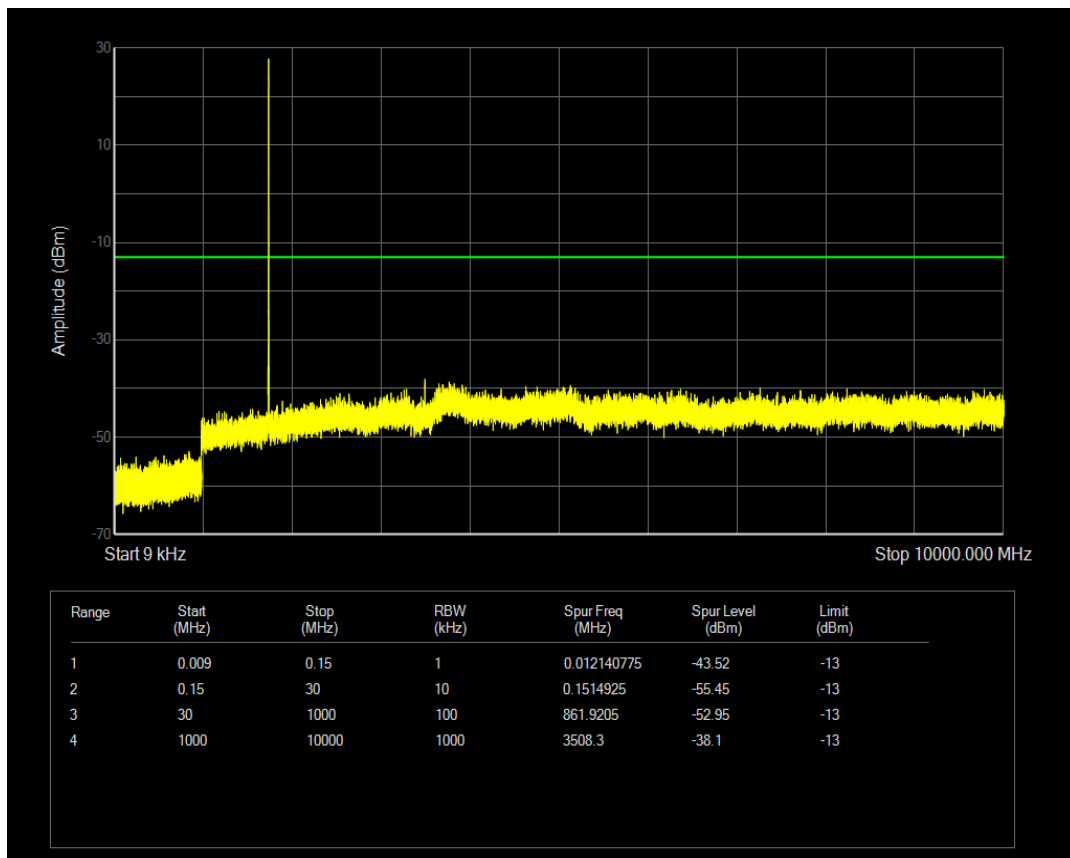
**Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0****Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0**

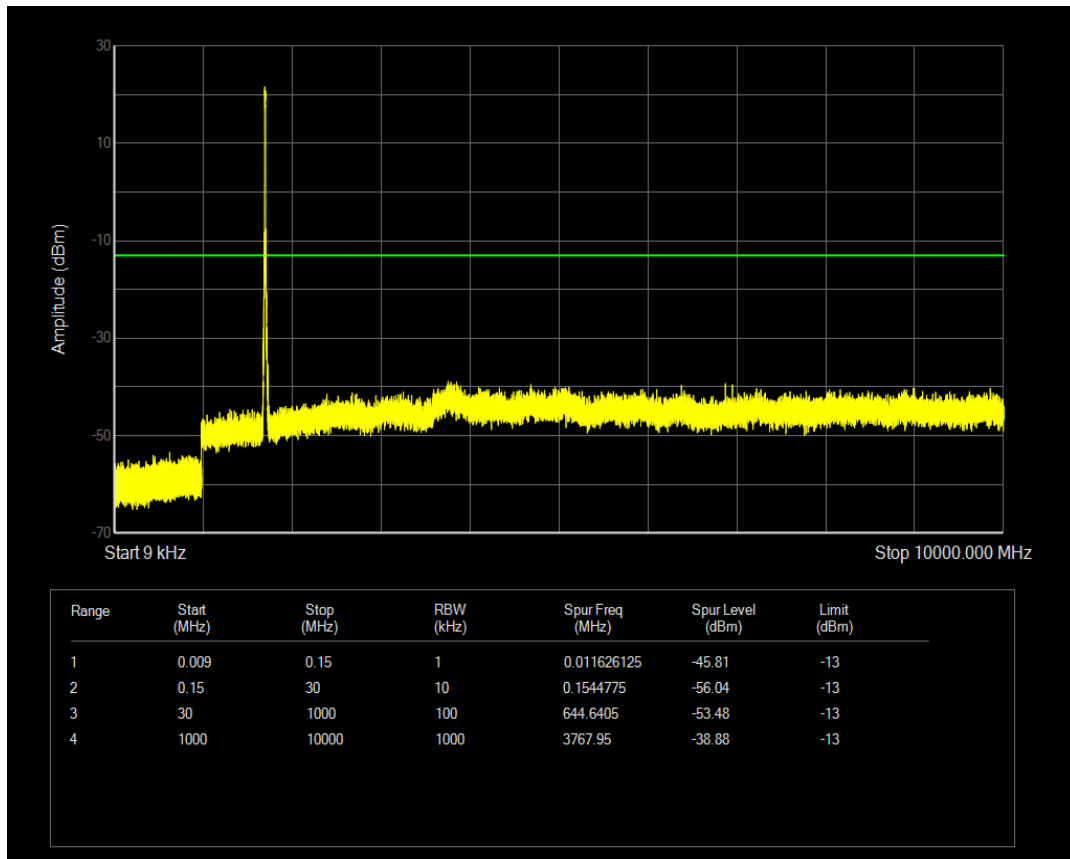
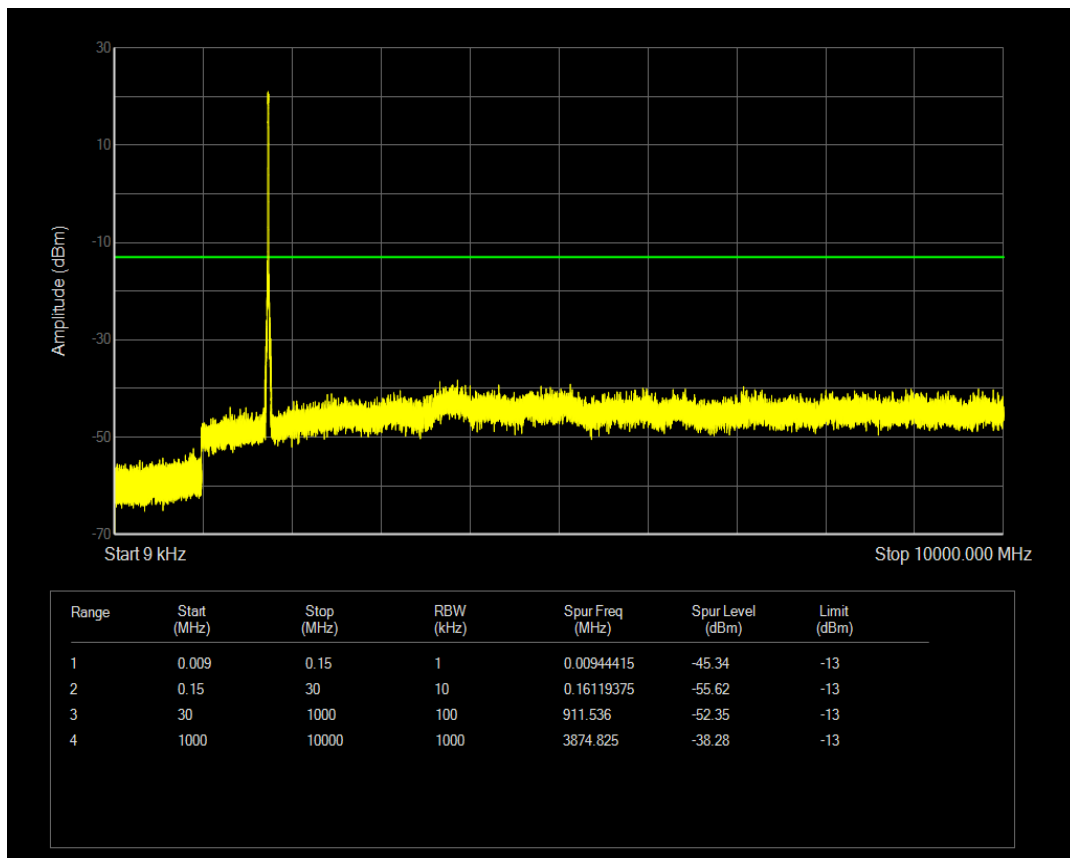
**Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0****Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0**

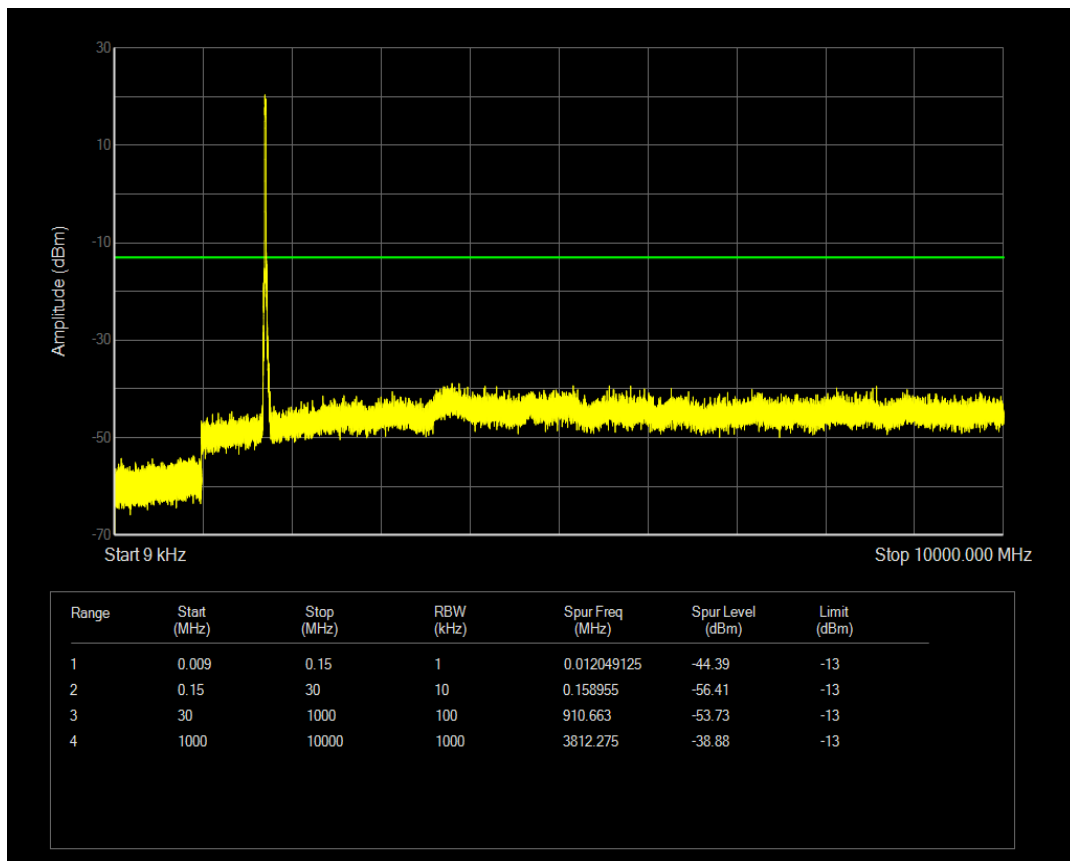
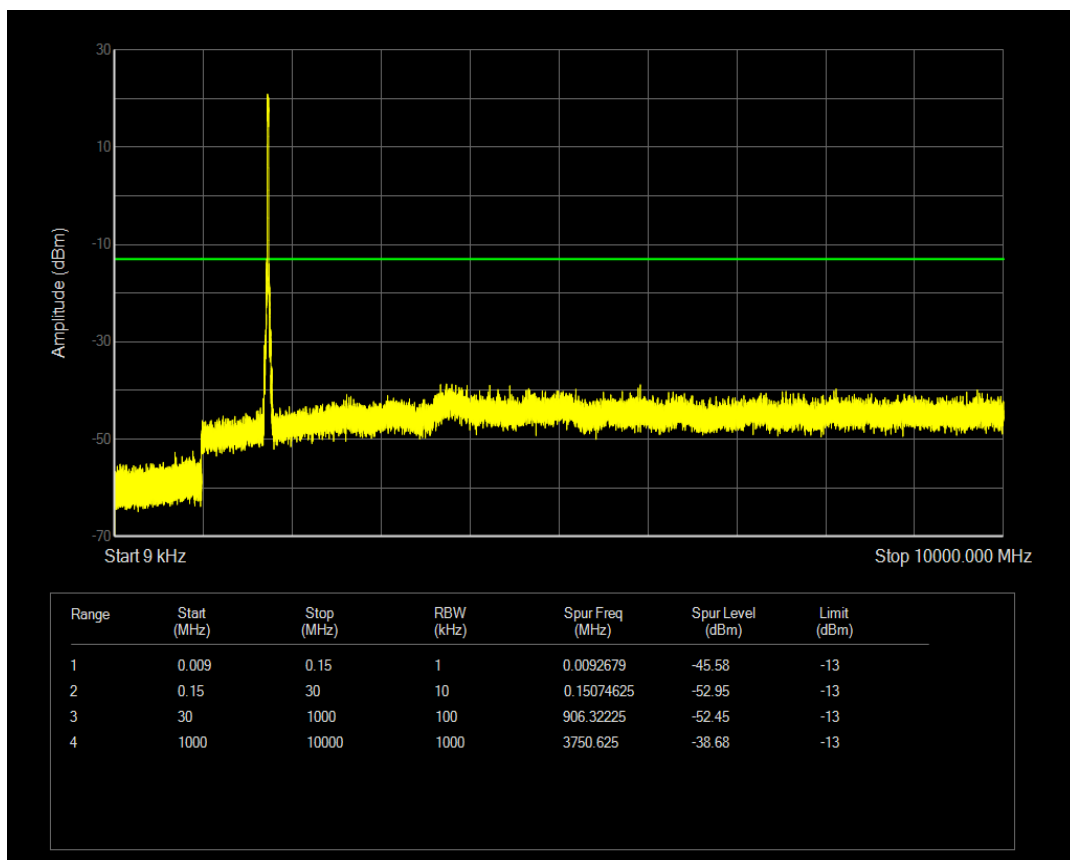
**Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0****Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0**

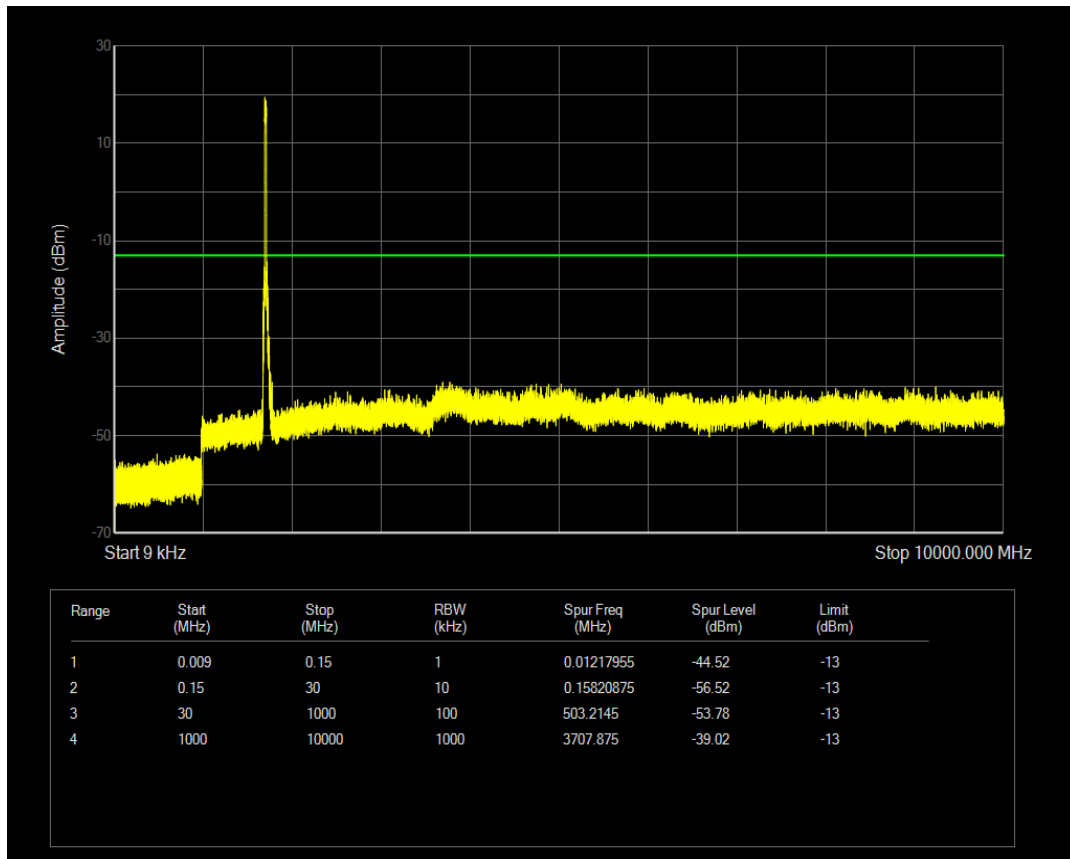
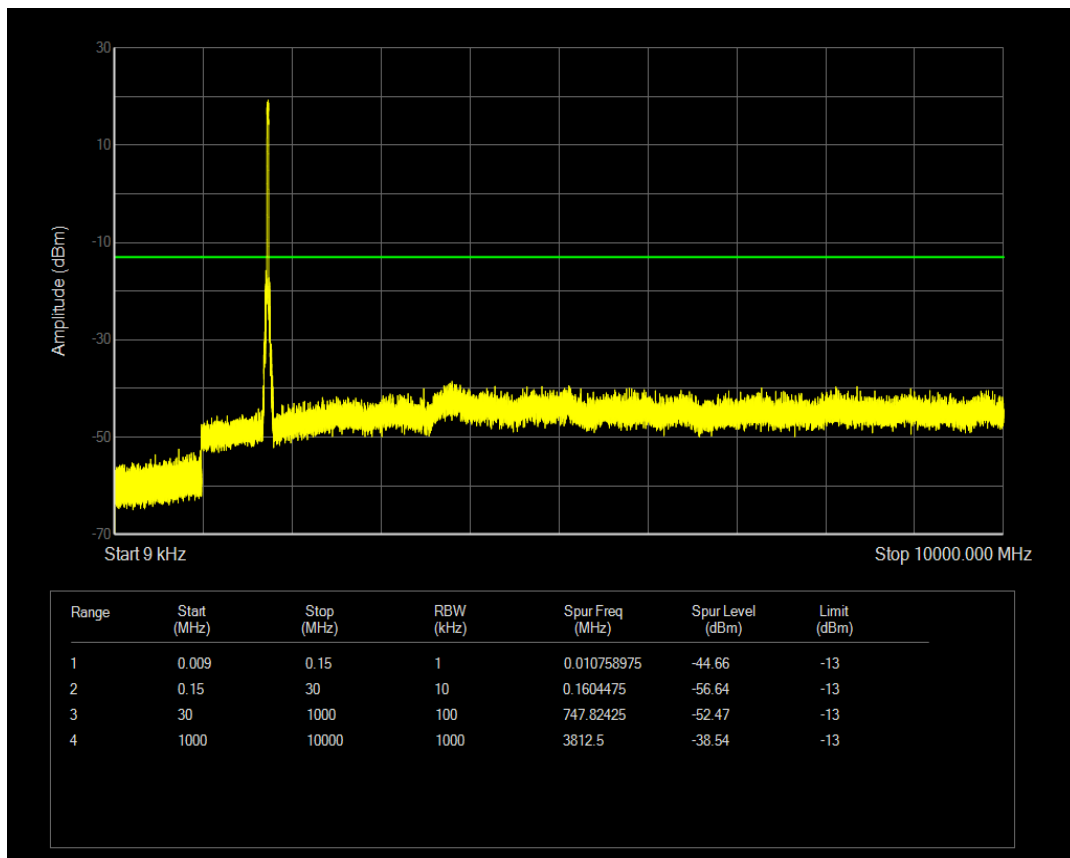
**Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0****Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0**

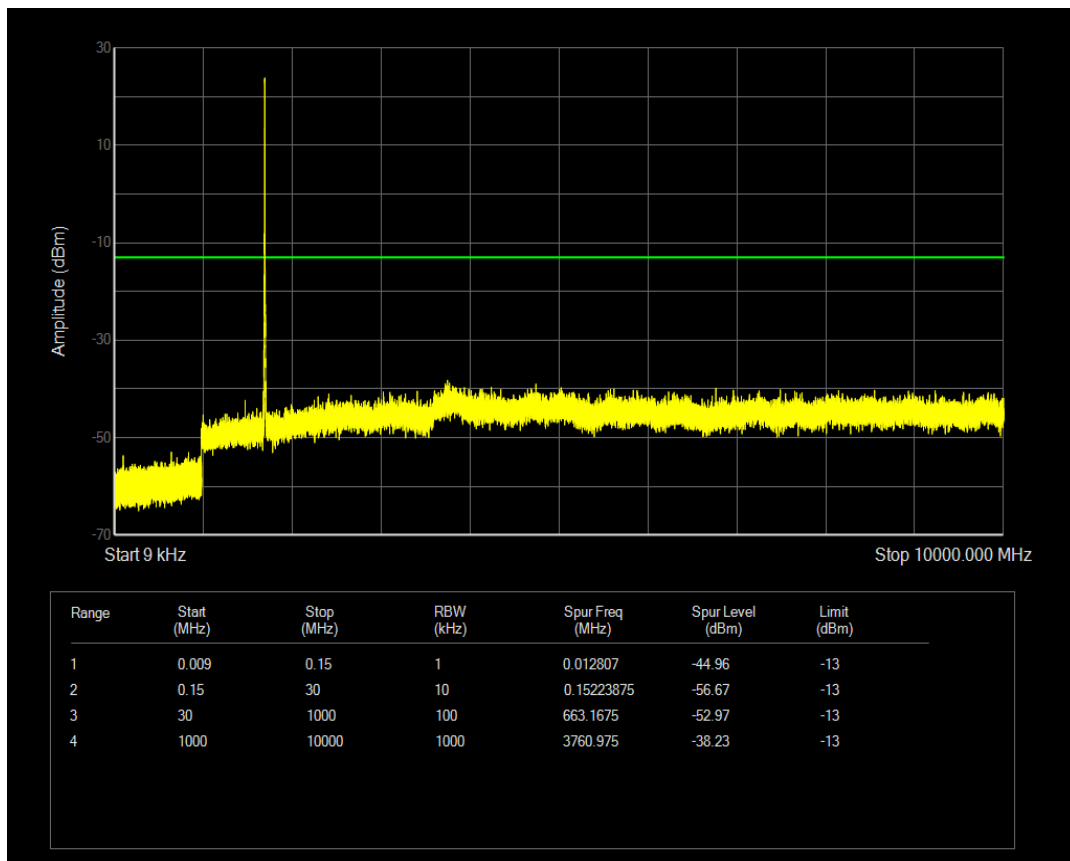
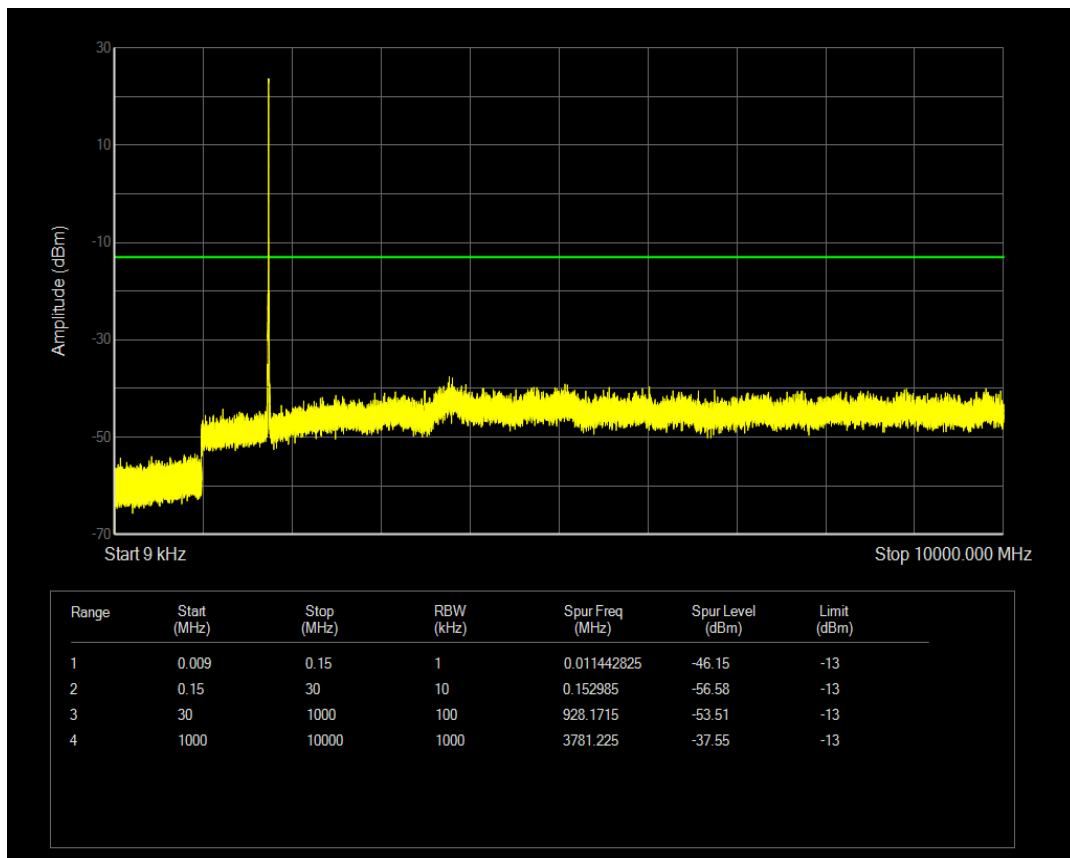
**Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0****Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0**

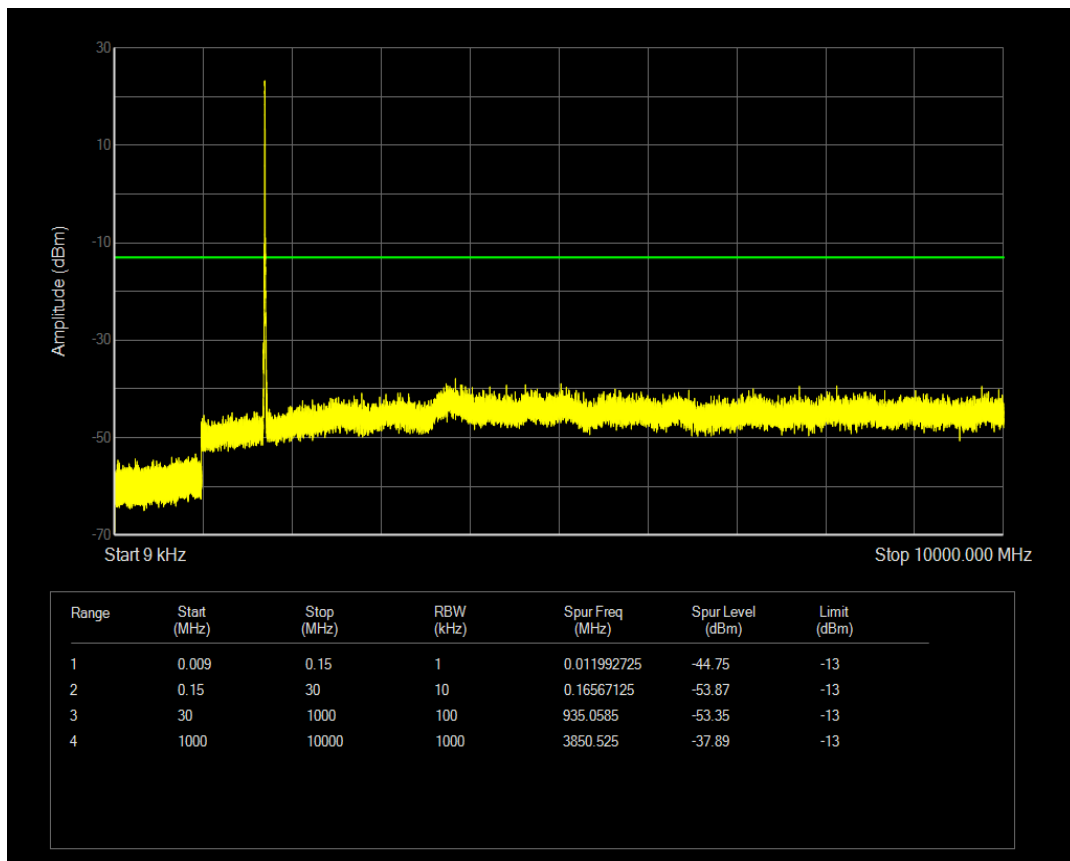
**Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0****Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0**

**Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0****Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0**

**Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0****Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0**

**Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0****Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0**

**Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0****Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0**

**Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0**