

## Report

|        |    |       |     |    |       |    |     |       |        |      |      |
|--------|----|-------|-----|----|-------|----|-----|-------|--------|------|------|
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | 30  | -1.88 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | 20  | -1.53 | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | 10  | -2.48 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | 0   | -2.17 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | -10 | -1.95 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | -20 | -1.50 | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QPSK  | NV | -30 | -1.51 | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | VL | NT  | -1.95 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | VN | NT  | -2.00 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | VH | NT  | -2.33 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | 50  | -1.78 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | 40  | -1.58 | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | 30  | -2.13 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | 20  | -1.44 | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | 10  | -1.64 | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | 0   | -2.70 | -0.004 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | -10 | -2.04 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | -20 | -2.48 | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50  | #0 | QAM16 | NV | -30 | -1.63 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | VL | NT  | -0.50 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | VN | NT  | -1.15 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | VH | NT  | -1.28 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | 50  | -1.38 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | 40  | -1.40 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | 30  | -0.91 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | 20  | -1.11 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | 10  | -1.05 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | 0   | -1.24 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | -10 | -1.33 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | -20 | -1.51 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QPSK  | NV | -30 | -1.20 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | VL | NT  | -1.40 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | VN | NT  | -1.70 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | VH | NT  | -1.30 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | 50  | -1.17 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | 40  | -0.82 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | 30  | -1.10 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | 20  | -1.54 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | 10  | -1.11 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | 0   | -0.71 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | -10 | -1.71 | -0.002 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | -20 | -0.67 | -0.001 | ±2.5 | PASS |
| Band13 | 10 | 23230 | 50  | #0 | QAM16 | NV | -30 | -1.45 | -0.002 | ±2.5 | PASS |
| Band2  | 20 | 18700 | 100 | #0 | QPSK  | VL | NT  | 1.35  | 0.001  | ±2.5 | PASS |

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|-------|----|-------|-----|----|-------|----|-----|-------|--------|------|------|
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | VN | NT  | 1.08  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | VH | NT  | 0.82  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 50  | 1.21  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 40  | 1.02  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 30  | 1.31  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 20  | 1.65  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 10  | 0.77  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 0   | 1.20  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | -10 | 0.58  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | -20 | -0.38 | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | -30 | 0.82  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | VL | NT  | 0.52  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | VN | NT  | 0.75  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | VH | NT  | 1.57  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 50  | 1.44  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 40  | 0.50  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 30  | 0.92  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 20  | 0.98  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 10  | 1.53  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 0   | 1.31  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | -10 | 2.11  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | -20 | 0.77  | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | -30 | 2.41  | 0.001  | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | VL | NT  | -4.09 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | VN | NT  | -3.41 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | VH | NT  | -4.47 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 50  | -2.00 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 40  | -3.49 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 30  | -4.30 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 20  | -3.43 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 10  | -3.49 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 0   | -3.90 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | -10 | -4.53 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | -20 | -3.29 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | -30 | -3.93 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | VL | NT  | -4.53 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | VN | NT  | -4.14 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | VH | NT  | -3.34 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 50  | -4.37 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 40  | -2.60 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 30  | -3.13 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 20  | -2.10 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 10  | -3.91 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 0   | -2.86 | -0.002 | ±2.5 | PASS |

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|-------|----|-------|-----|----|-------|----|-----|-------|--------|------|------|
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | -10 | -2.96 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | -20 | -2.96 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | -30 | -3.49 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | VL | NT  | -2.80 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | VN | NT  | -2.98 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | VH | NT  | -2.53 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 50  | -3.03 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 40  | -2.98 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 30  | -2.90 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 20  | -3.07 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 10  | -3.23 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 0   | -2.70 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | -10 | -3.50 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | -20 | -3.10 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | -30 | -2.98 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | VL | NT  | -2.31 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | VN | NT  | -1.88 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | VH | NT  | -2.18 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 50  | -2.73 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 40  | -2.96 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 30  | -2.50 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 20  | -2.31 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 10  | -3.67 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 0   | -2.90 | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | -10 | -2.51 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | -20 | -2.67 | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | -30 | -2.51 | -0.001 | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | VL | NT  | 1.10  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | VN | NT  | 1.25  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | VH | NT  | 0.50  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 50  | 1.37  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 40  | 0.78  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 30  | 1.33  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 20  | 1.04  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 10  | 0.90  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 0   | 1.20  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -10 | 1.33  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -20 | 0.31  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -30 | 1.21  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | VL | NT  | 2.13  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | VN | NT  | 0.67  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | VH | NT  | 0.61  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 50  | 0.75  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 40  | 1.48  | 0.001  | ±2.5 | PASS |

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|-------|----|-------|-----|----|-------|----|-----|-------|--------|------|------|
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 30  | 1.00  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 20  | 1.73  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 10  | 1.20  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 0   | 1.47  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | -10 | 0.95  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | -20 | 1.55  | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | -30 | 0.72  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | VL | NT  | 0.15  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | VN | NT  | -0.11 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | VH | NT  | -0.22 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 50  | -0.45 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 40  | -0.02 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 30  | -0.22 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 20  | -1.20 | -0.001 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 10  | 0.42  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 0   | -0.31 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -10 | -0.65 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -20 | -0.11 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -30 | 0.11  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | VL | NT  | -0.08 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | VN | NT  | 0.27  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | VH | NT  | 0.21  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 50  | 0.37  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 40  | -0.04 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 30  | -0.65 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 20  | 0.22  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 10  | 0.11  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 0   | 0.51  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | -10 | 0.58  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | -20 | -0.11 | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | -30 | 0.21  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | VL | NT  | -2.96 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | VN | NT  | -2.81 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | VH | NT  | -2.94 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 50  | -3.46 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 40  | -2.36 | -0.001 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 30  | -3.36 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 20  | -2.77 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 10  | -3.46 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 0   | -3.33 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -10 | -3.64 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -20 | -3.46 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -30 | -3.46 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | VL | NT  | -2.84 | -0.002 | ±2.5 | PASS |

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|       |    |       |     |    |       |    |     |       |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|-------|--------|------|------|
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | VN | NT  | -2.88 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | VH | NT  | -2.78 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 50  | -2.90 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 40  | -3.34 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 30  | -3.56 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 20  | -3.24 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 10  | -3.13 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 0   | -2.86 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | -10 | -2.74 | -0.002 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | -20 | -2.36 | -0.001 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | -30 | -2.50 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | VL | NT  | -0.97 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | VN | NT  | -1.67 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | VH | NT  | -0.71 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 50  | -0.84 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 40  | -0.88 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 30  | -1.47 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 20  | -1.58 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 10  | -1.27 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 0   | -1.45 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | -10 | -1.15 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | -20 | -0.52 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | -30 | -1.00 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | VL | NT  | -1.02 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | VN | NT  | -0.71 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | VH | NT  | -0.91 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 50  | -0.47 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 40  | -1.41 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 30  | -1.17 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 20  | -0.94 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 10  | -1.20 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 0   | -1.44 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | -10 | -1.30 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | -20 | -1.02 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | -30 | -1.24 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | VL | NT  | -0.34 | 0.000  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | VN | NT  | -1.07 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | VH | NT  | -0.52 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 50  | -1.02 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 40  | -0.82 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 30  | -0.71 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 20  | -1.53 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 10  | -0.87 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 0   | -0.81 | -0.001 | ±2.5 | PASS |

## Report

|       |    |       |    |    |       |    |     |       |        |      |      |
|-------|----|-------|----|----|-------|----|-----|-------|--------|------|------|
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | -10 | -1.08 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | -20 | -1.64 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | -30 | -0.81 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | VL | NT  | -0.68 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | VN | NT  | -1.38 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | VH | NT  | -1.02 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | 50  | -1.08 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | 40  | -1.11 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | 30  | -1.14 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | 20  | -1.53 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | 10  | -0.70 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | 0   | -0.70 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | -10 | -1.04 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | -20 | -1.18 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | NV | -30 | -1.13 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | VL | NT  | -1.08 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | VN | NT  | -1.53 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | VH | NT  | -1.64 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 50  | -1.13 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 40  | -1.30 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 30  | -1.23 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 20  | -1.13 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 10  | -1.41 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 0   | -0.48 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | -10 | -0.88 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | -20 | -1.13 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | -30 | -1.02 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | VL | NT  | -1.07 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | VN | NT  | -0.74 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | VH | NT  | -1.35 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | 50  | -1.00 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | 40  | -1.81 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | 30  | -0.71 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | 20  | -1.10 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | 10  | -0.61 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | 0   | -1.35 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | -10 | -1.57 | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | -20 | -0.94 | -0.001 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QAM16 | NV | -30 | -1.11 | -0.001 | ±2.5 | PASS |

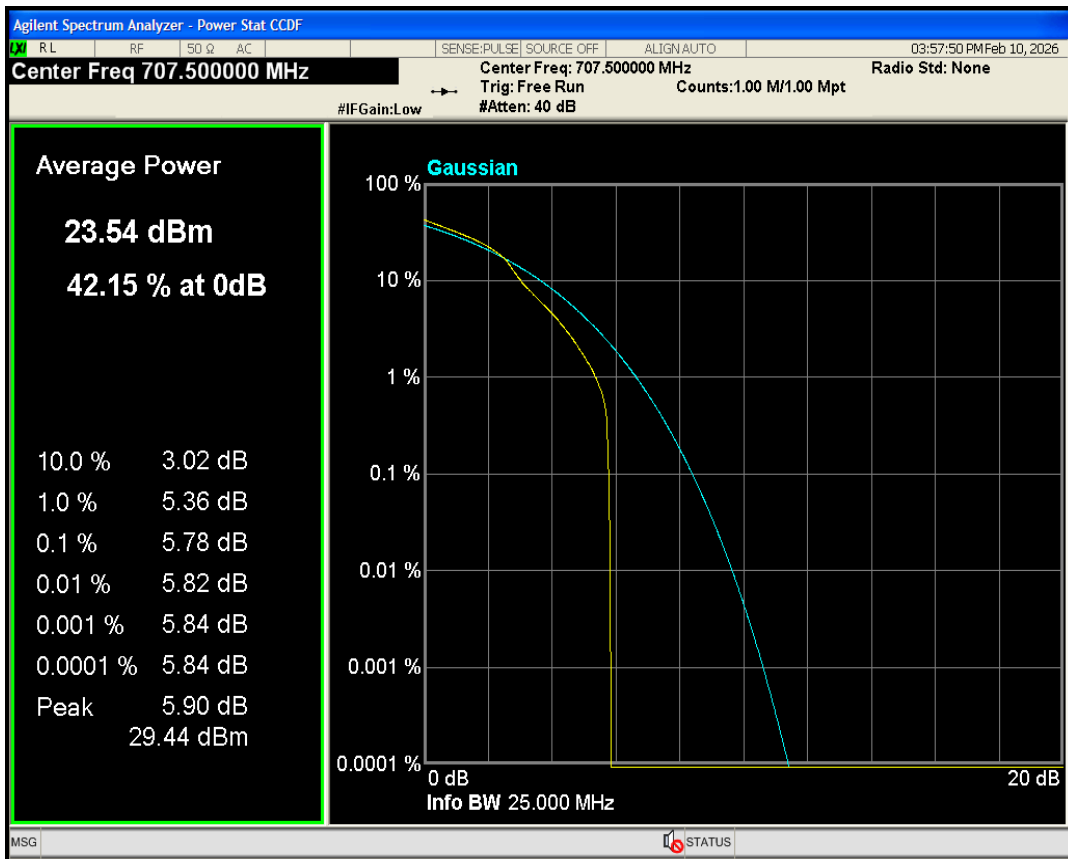
### 3 Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 4.91        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | QAM16      | 5.78        | 13              | PASS    |

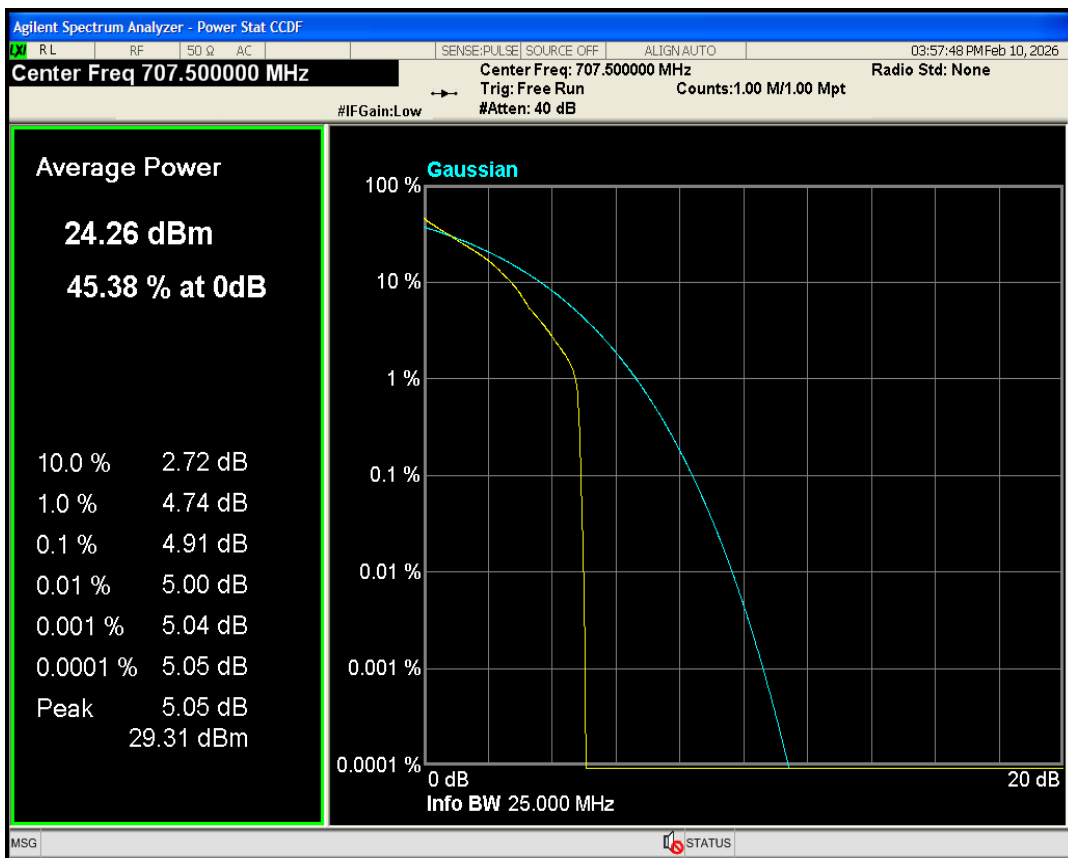
# Report

|        |     |       |   |    |       |      |    |      |
|--------|-----|-------|---|----|-------|------|----|------|
| Band12 | 3   | 23095 | 1 | #0 | QPSK  | 4.98 | 13 | PASS |
| Band12 | 3   | 23095 | 1 | #0 | QAM16 | 5.82 | 13 | PASS |
| Band12 | 5   | 23095 | 1 | #0 | QPSK  | 4.87 | 13 | PASS |
| Band12 | 5   | 23095 | 1 | #0 | QAM16 | 5.85 | 13 | PASS |
| Band12 | 10  | 23095 | 1 | #0 | QPSK  | 4.77 | 13 | PASS |
| Band12 | 10  | 23095 | 1 | #0 | QAM16 | 5.56 | 13 | PASS |
| Band13 | 5   | 23230 | 1 | #0 | QPSK  | 4.62 | 13 | PASS |
| Band13 | 5   | 23230 | 1 | #0 | QAM16 | 5.63 | 13 | PASS |
| Band13 | 10  | 23230 | 1 | #0 | QPSK  | 4.58 | 13 | PASS |
| Band13 | 10  | 23230 | 1 | #0 | QAM16 | 5.37 | 13 | PASS |
| Band2  | 1.4 | 18900 | 1 | #0 | QPSK  | 4.73 | 13 | PASS |
| Band2  | 1.4 | 18900 | 1 | #0 | QAM16 | 5.65 | 13 | PASS |
| Band2  | 3   | 18900 | 1 | #0 | QPSK  | 4.79 | 13 | PASS |
| Band2  | 3   | 18900 | 1 | #0 | QAM16 | 5.60 | 13 | PASS |
| Band2  | 5   | 18900 | 1 | #0 | QPSK  | 4.78 | 13 | PASS |
| Band2  | 5   | 18900 | 1 | #0 | QAM16 | 5.65 | 13 | PASS |
| Band2  | 10  | 18900 | 1 | #0 | QPSK  | 4.76 | 13 | PASS |
| Band2  | 10  | 18900 | 1 | #0 | QAM16 | 5.53 | 13 | PASS |
| Band2  | 15  | 18900 | 1 | #0 | QPSK  | 4.72 | 13 | PASS |
| Band2  | 15  | 18900 | 1 | #0 | QAM16 | 5.56 | 13 | PASS |
| Band2  | 20  | 18900 | 1 | #0 | QPSK  | 4.70 | 13 | PASS |
| Band2  | 20  | 18900 | 1 | #0 | QAM16 | 5.55 | 13 | PASS |
| Band4  | 1.4 | 20175 | 1 | #0 | QPSK  | 4.75 | 13 | PASS |
| Band4  | 1.4 | 20175 | 1 | #0 | QAM16 | 5.66 | 13 | PASS |
| Band4  | 3   | 20175 | 1 | #0 | QPSK  | 4.83 | 13 | PASS |
| Band4  | 3   | 20175 | 1 | #0 | QAM16 | 5.58 | 13 | PASS |
| Band4  | 5   | 20175 | 1 | #0 | QPSK  | 4.79 | 13 | PASS |
| Band4  | 5   | 20175 | 1 | #0 | QAM16 | 5.69 | 13 | PASS |
| Band4  | 10  | 20175 | 1 | #0 | QPSK  | 4.84 | 13 | PASS |
| Band4  | 10  | 20175 | 1 | #0 | QAM16 | 5.59 | 13 | PASS |
| Band4  | 15  | 20175 | 1 | #0 | QPSK  | 4.84 | 13 | PASS |
| Band4  | 15  | 20175 | 1 | #0 | QAM16 | 5.65 | 13 | PASS |
| Band4  | 20  | 20175 | 1 | #0 | QPSK  | 4.87 | 13 | PASS |
| Band4  | 20  | 20175 | 1 | #0 | QAM16 | 5.61 | 13 | PASS |
| Band5  | 1.4 | 20525 | 1 | #0 | QPSK  | 4.69 | 13 | PASS |
| Band5  | 1.4 | 20525 | 1 | #0 | QAM16 | 5.58 | 13 | PASS |
| Band5  | 3   | 20525 | 1 | #0 | QPSK  | 4.75 | 13 | PASS |
| Band5  | 3   | 20525 | 1 | #0 | QAM16 | 5.61 | 13 | PASS |
| Band5  | 5   | 20525 | 1 | #0 | QPSK  | 4.74 | 13 | PASS |
| Band5  | 5   | 20525 | 1 | #0 | QAM16 | 5.64 | 13 | PASS |
| Band5  | 10  | 20525 | 1 | #0 | QPSK  | 4.70 | 13 | PASS |
| Band5  | 10  | 20525 | 1 | #0 | QAM16 | 5.48 | 13 | PASS |

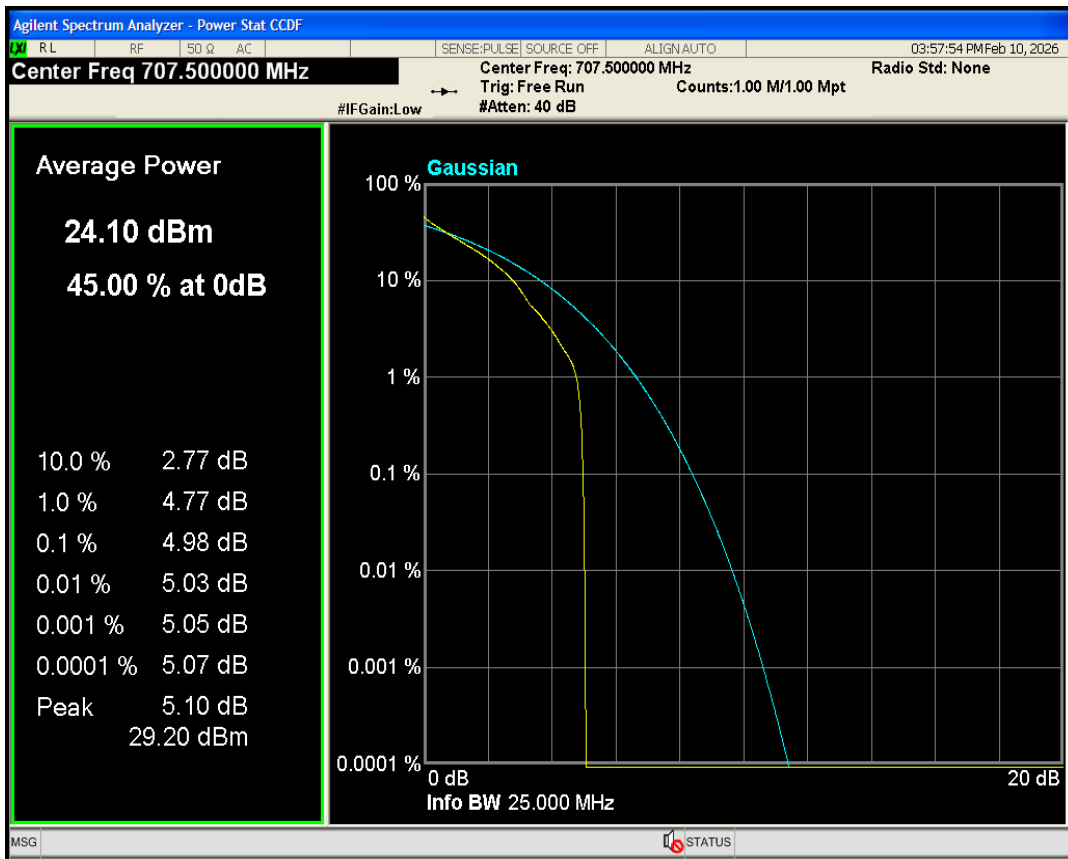
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0



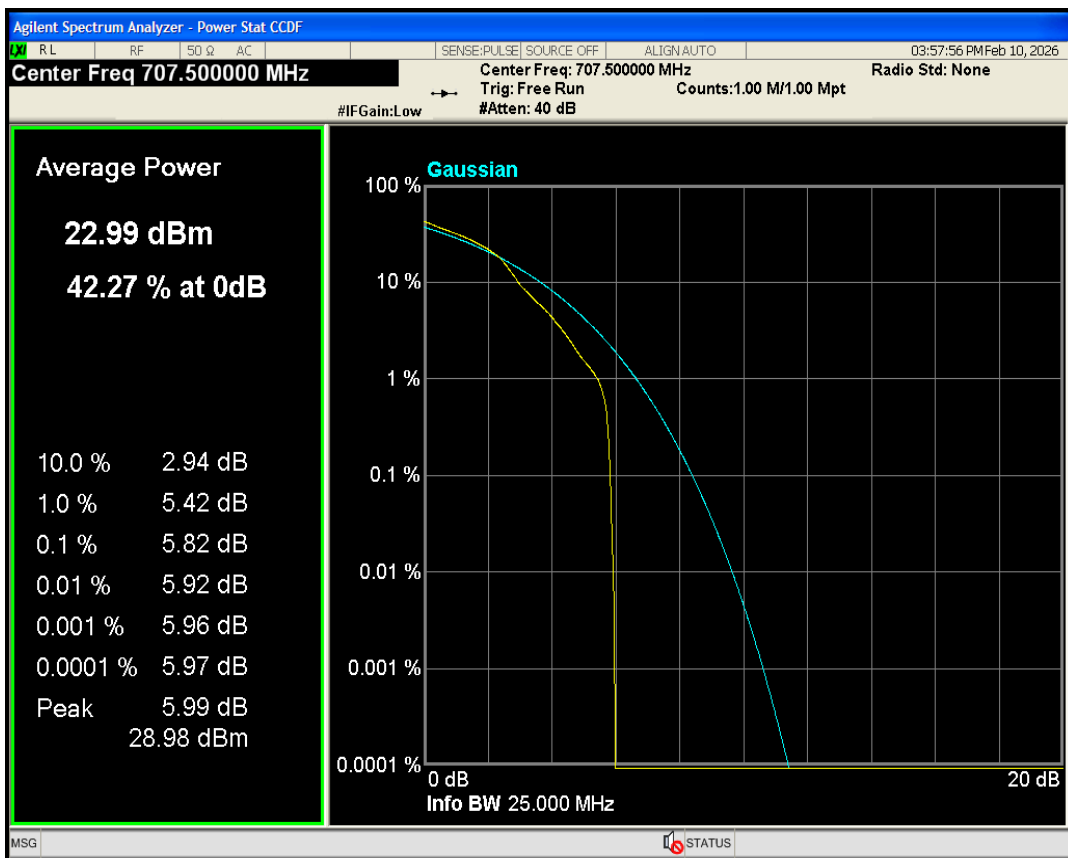
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



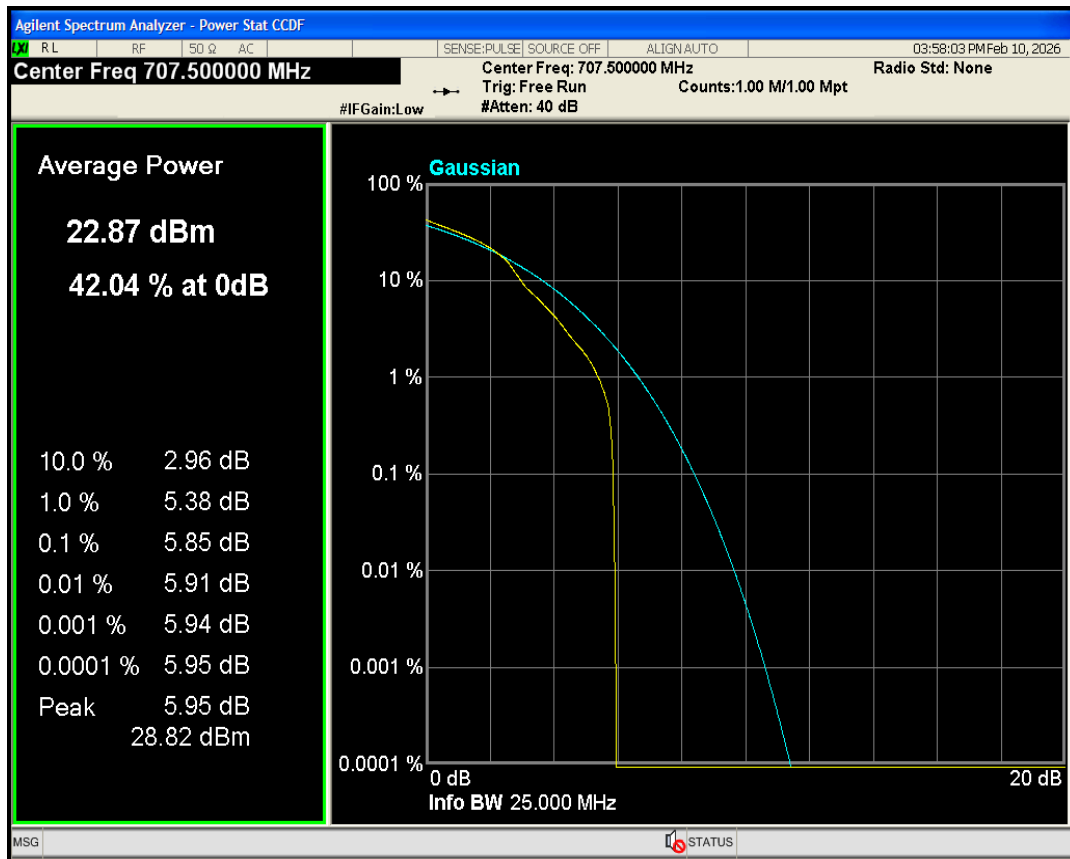
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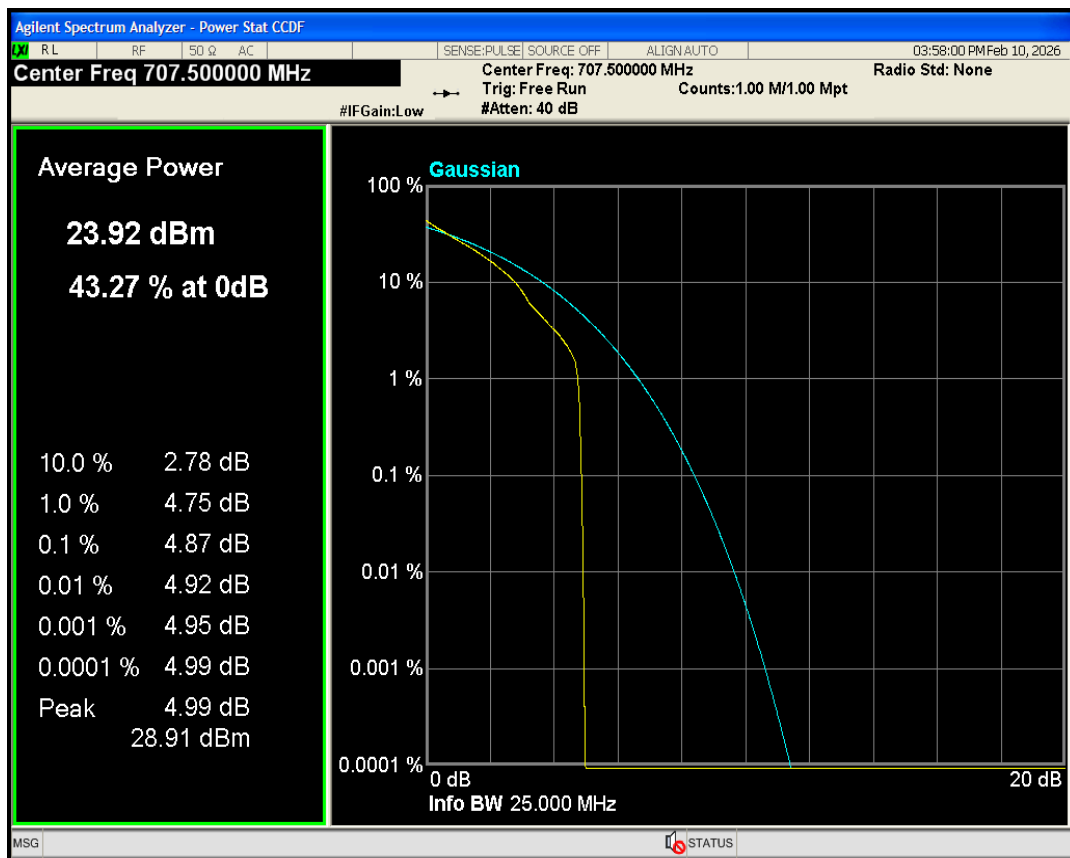
Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0



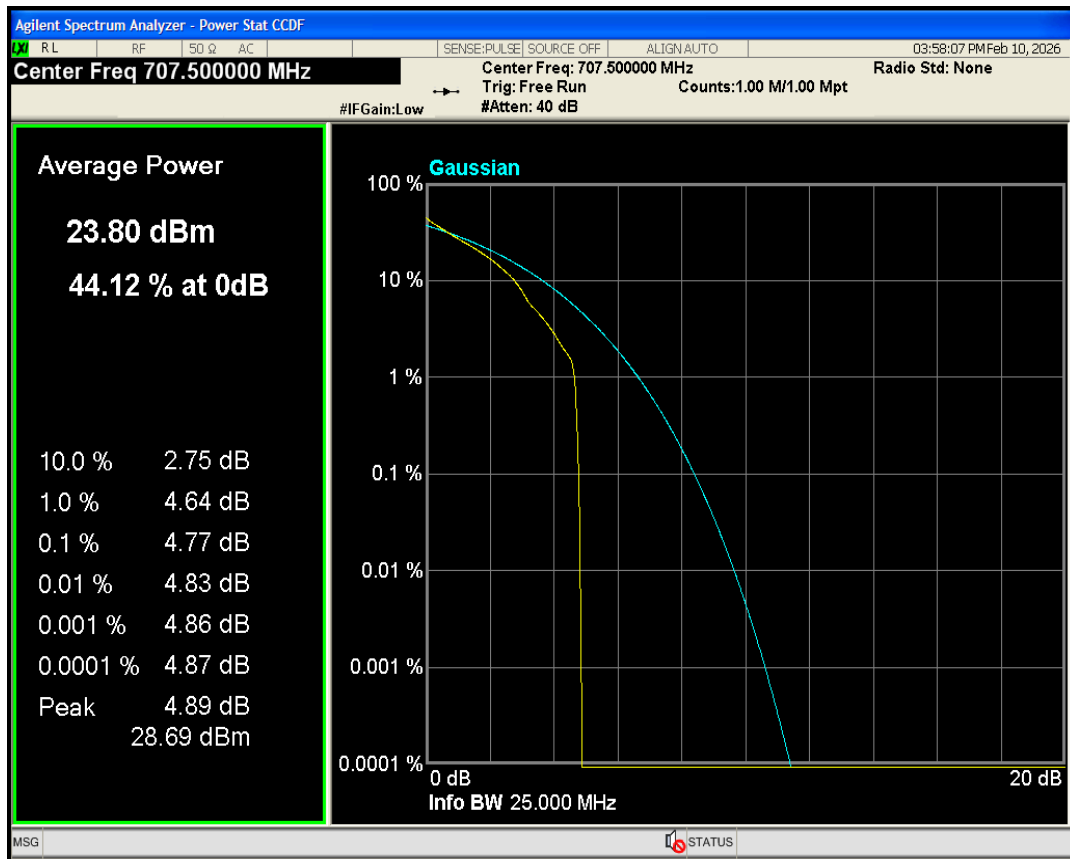
Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0



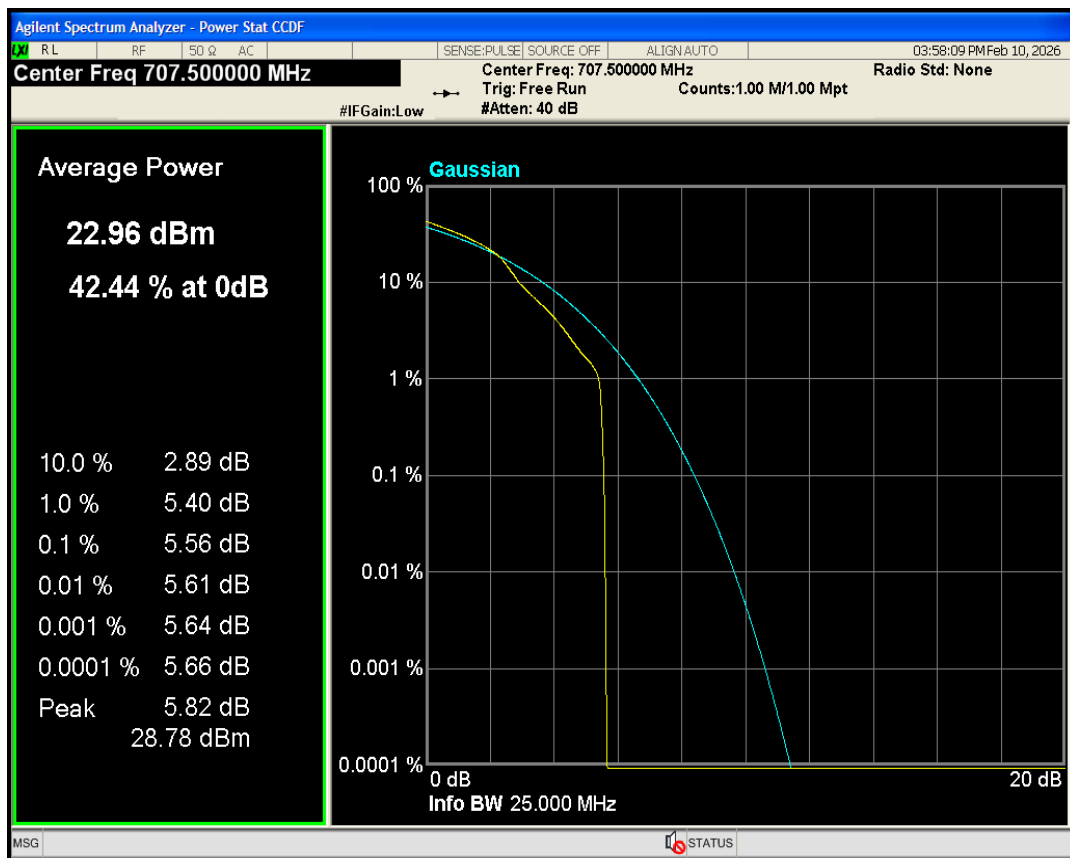
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



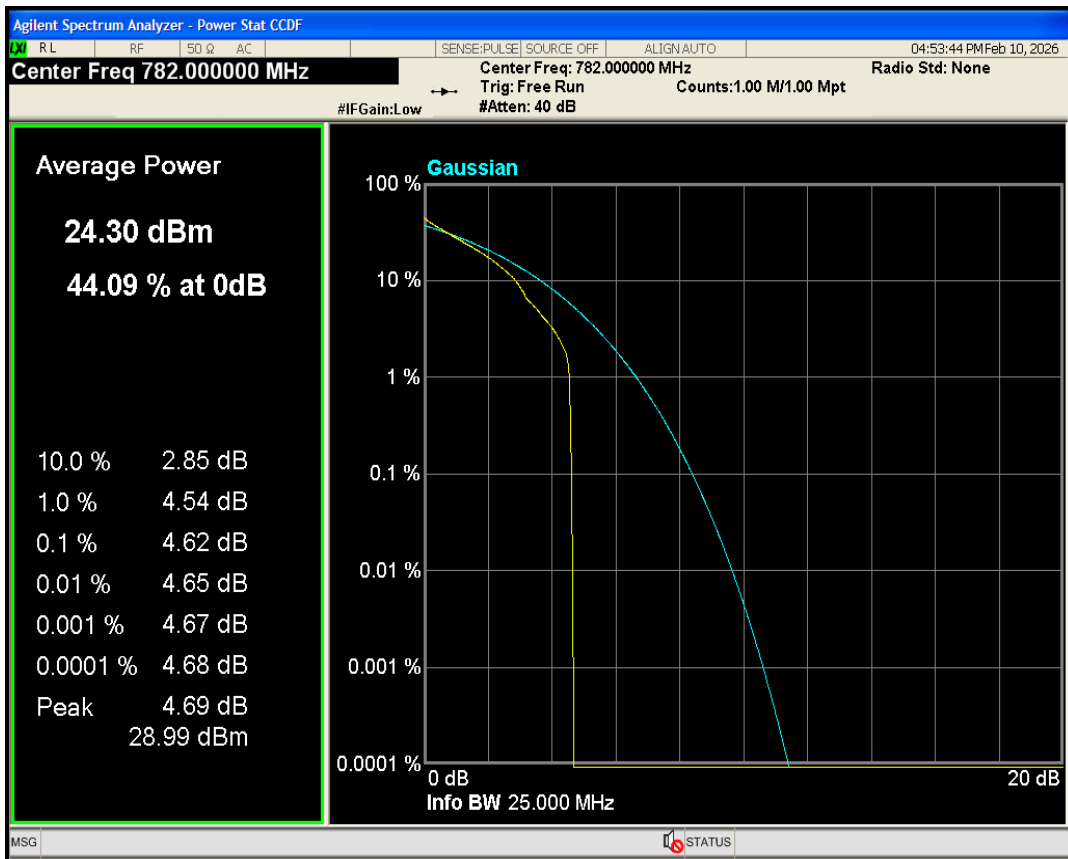
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



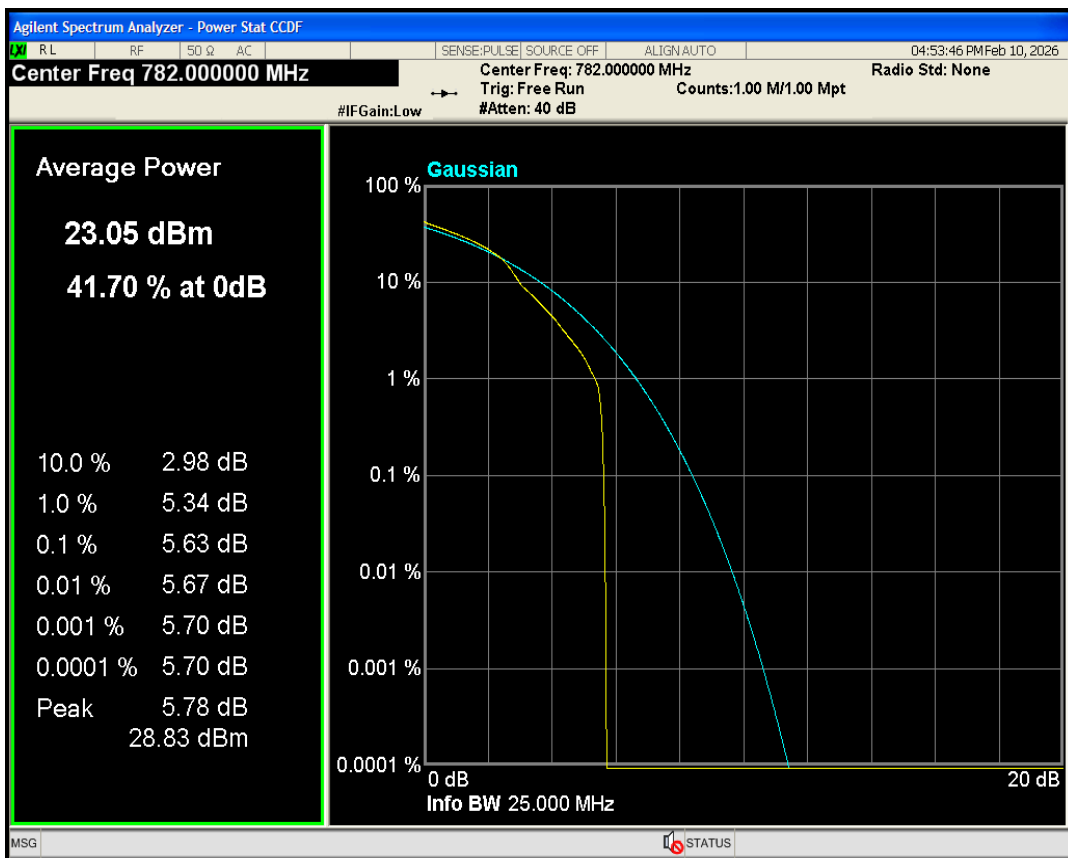
Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0



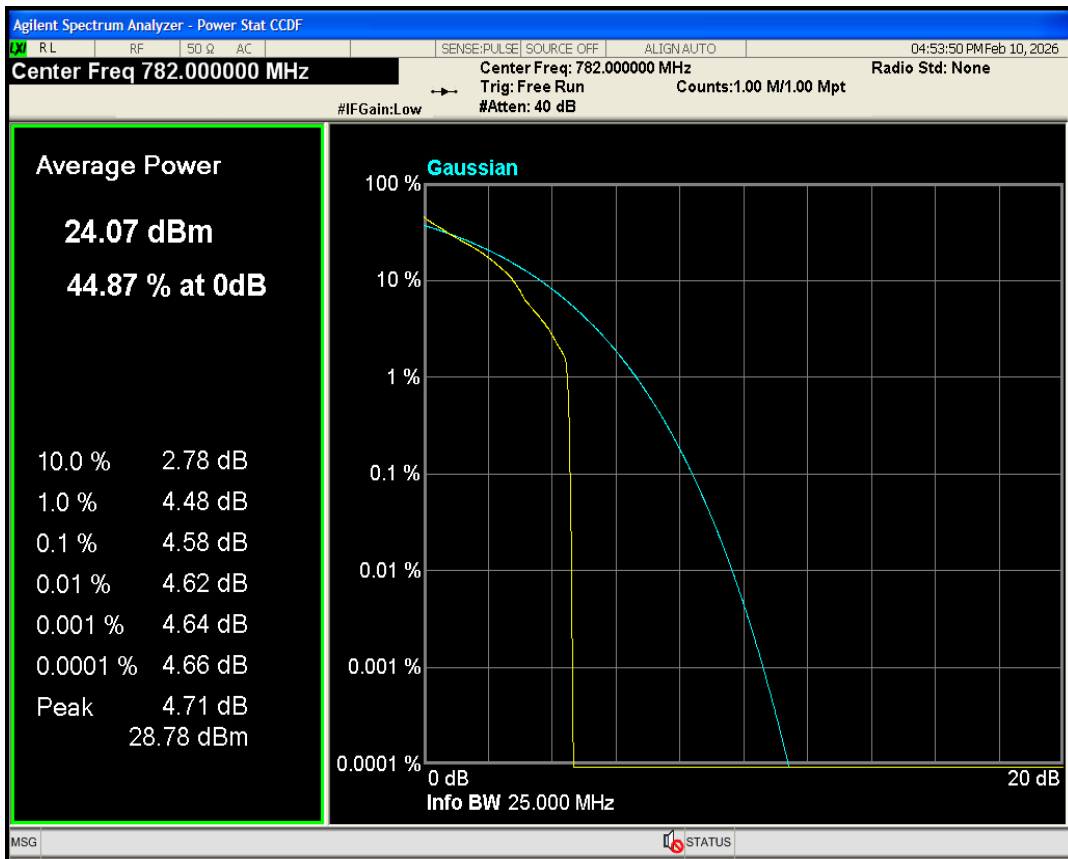
Band13 QPSK BW=5MHz Channel=23230 RB Size=1 Position=#0



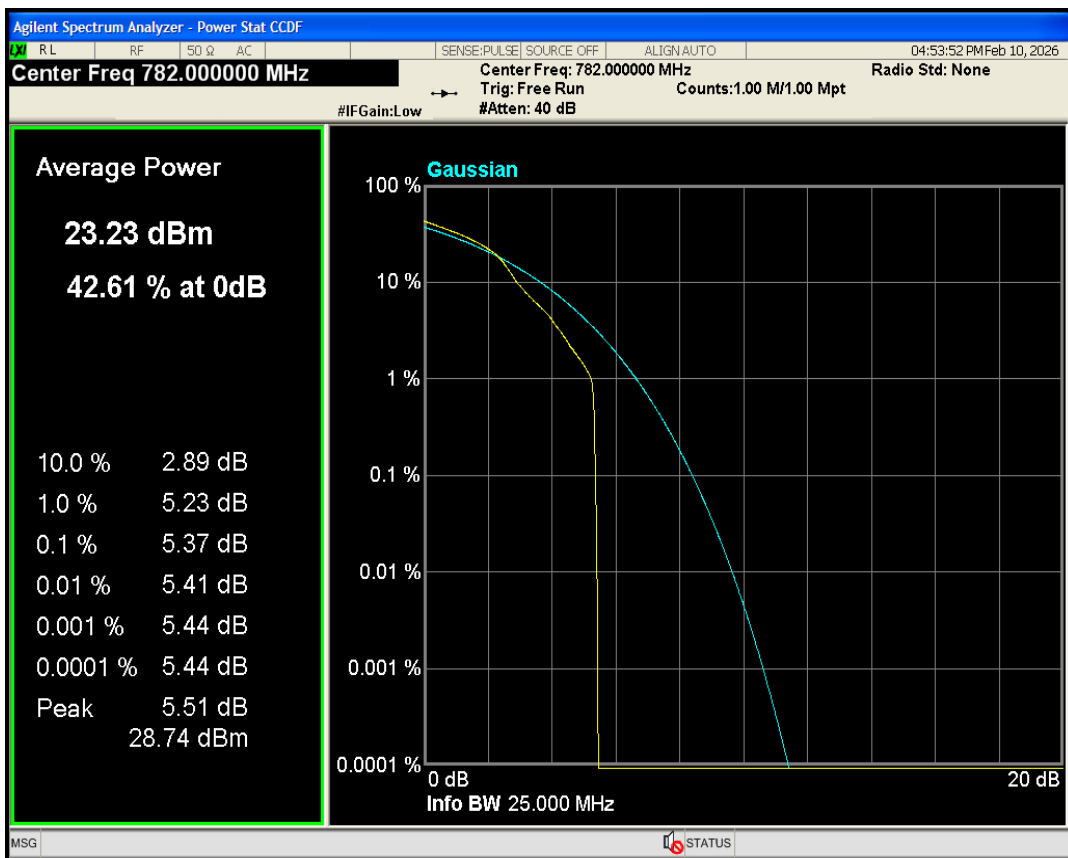
Band13 QAM16 BW=5MHz Channel=23230 RB Size=1 Position=#0



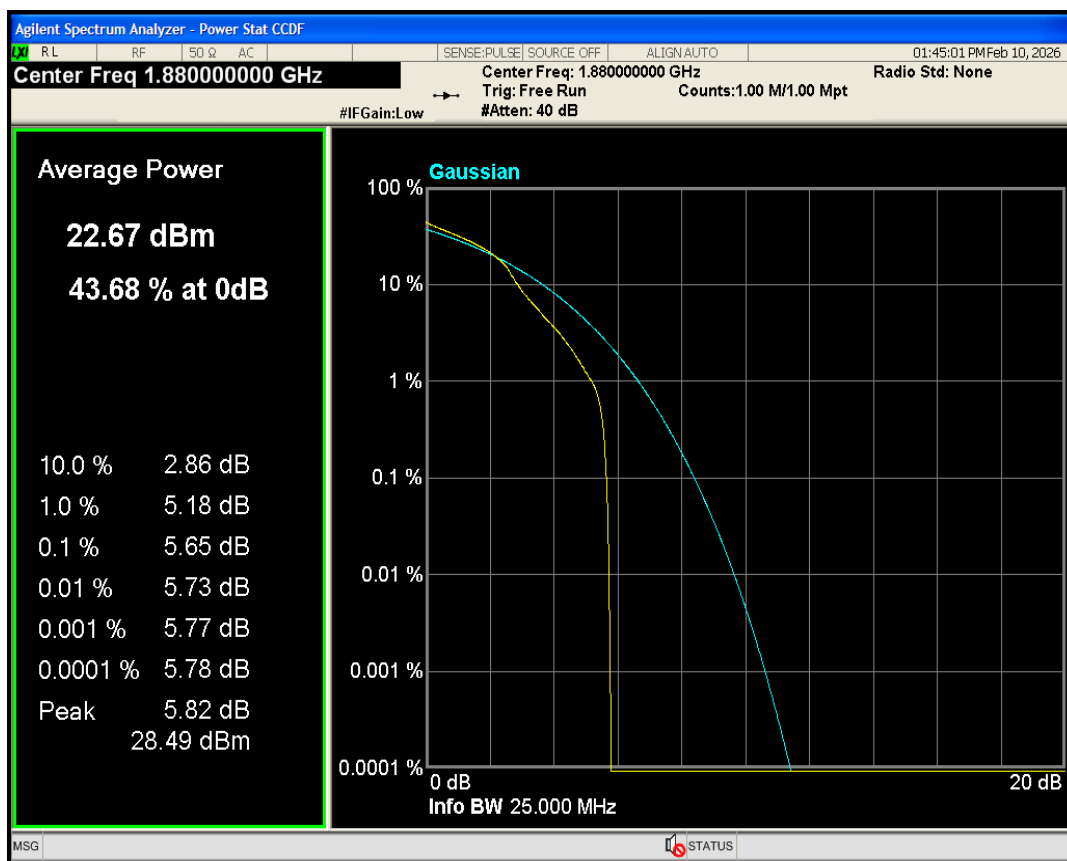
Band13 QPSK BW=10MHz Channel=23230 RB Size=1 Position=#0



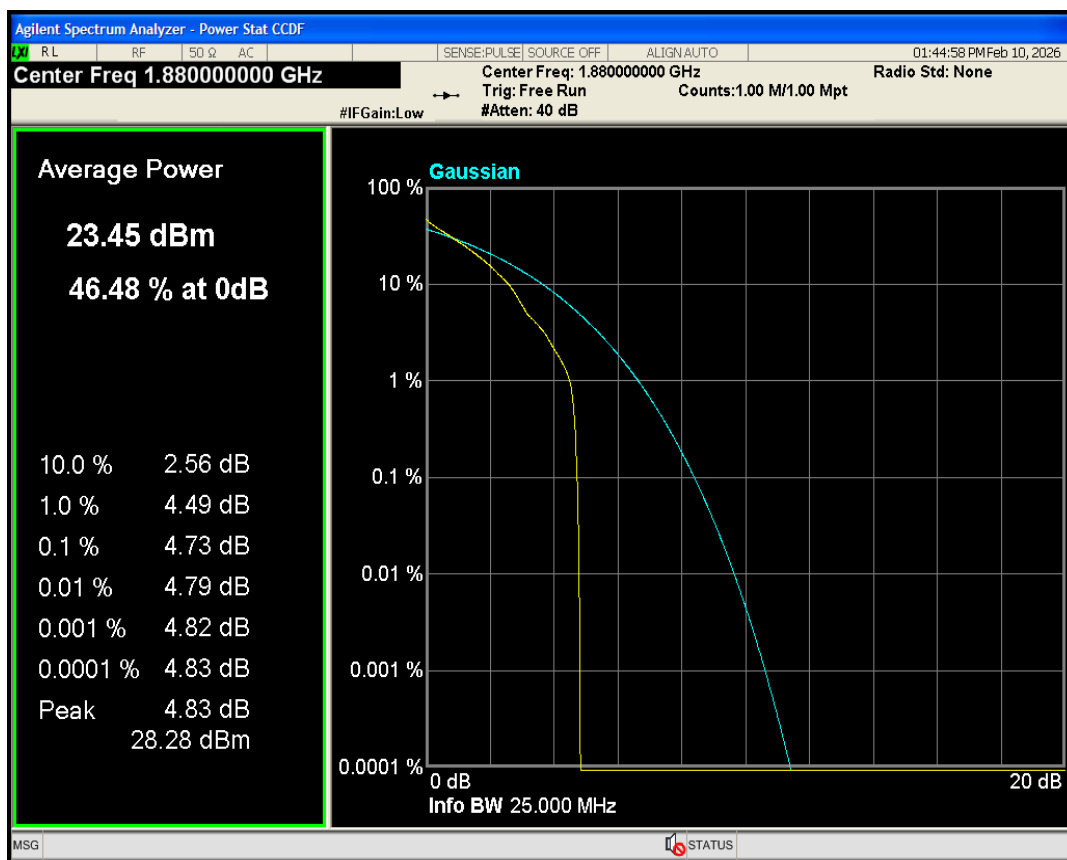
Band13 QAM16 BW=10MHz Channel=23230 RB Size=1 Position=#0



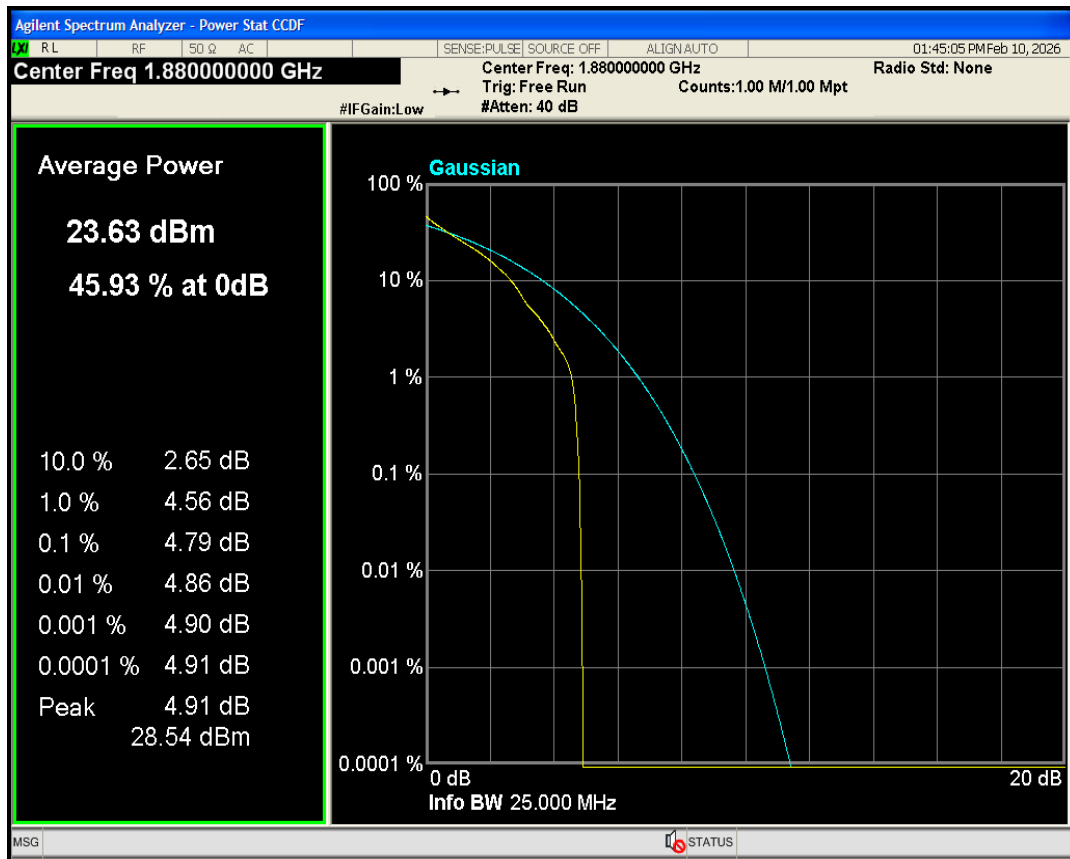
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=1 Position=#0



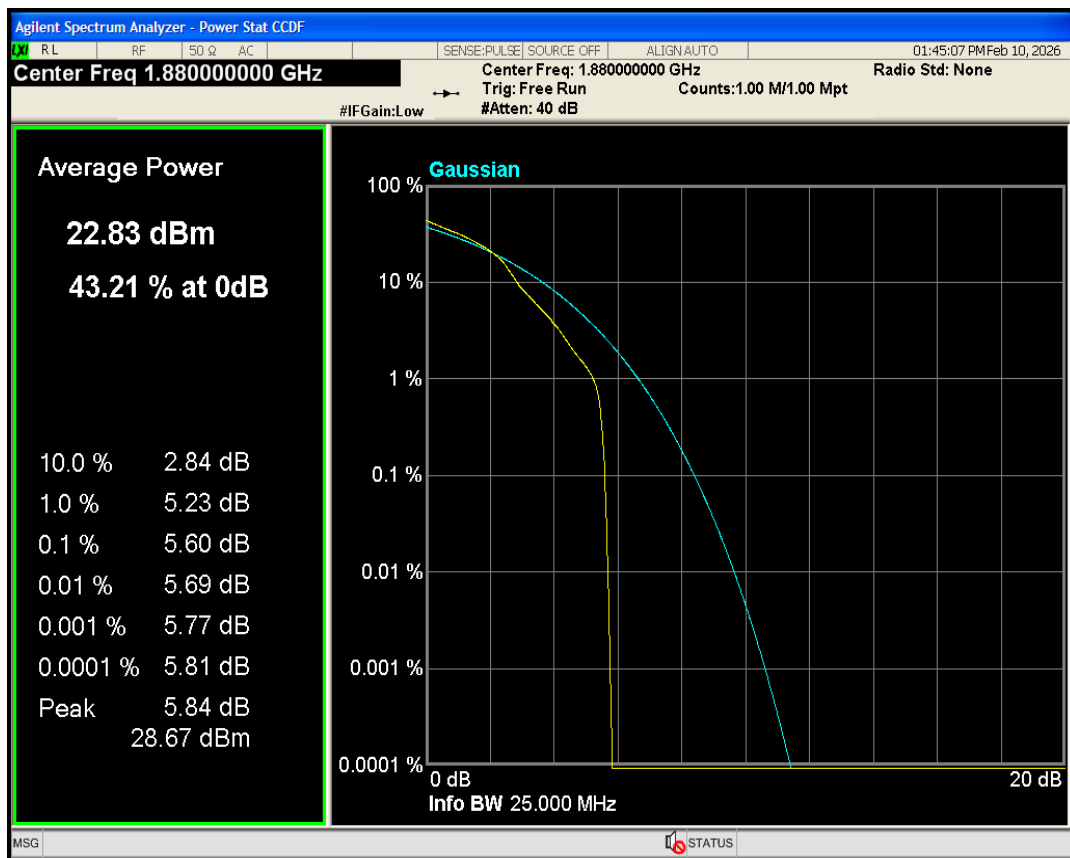
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



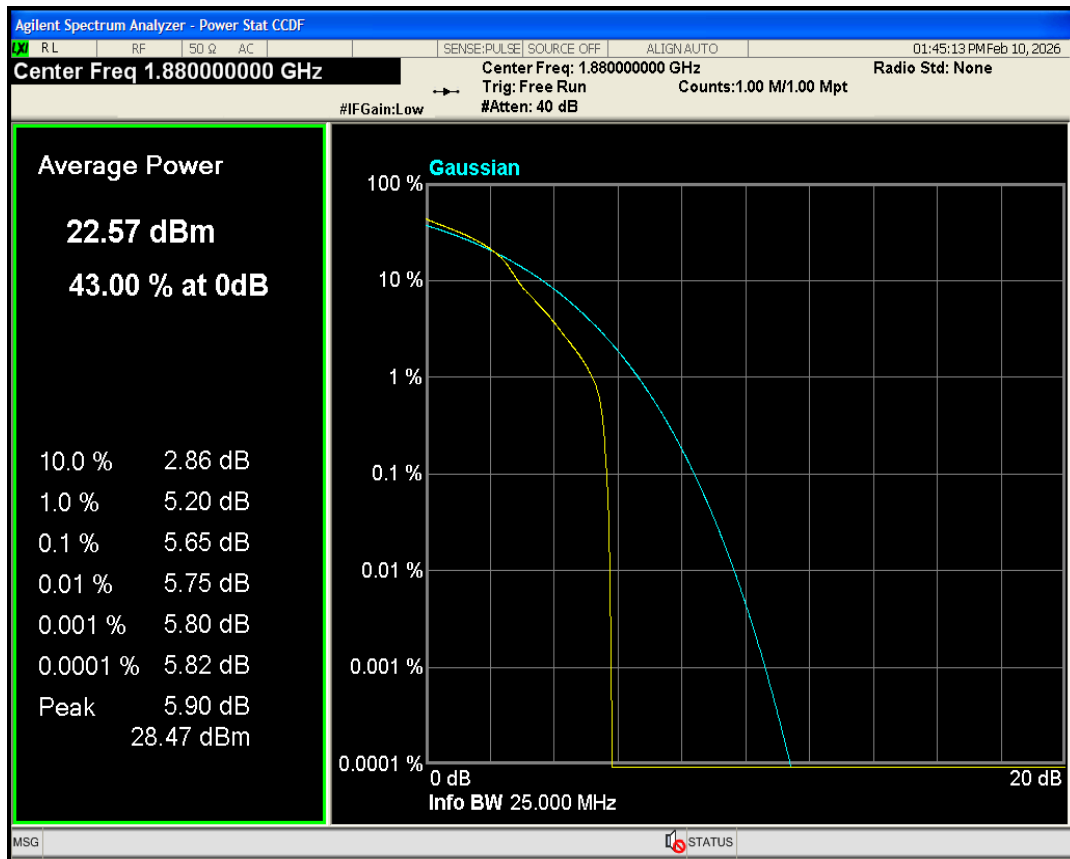
Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



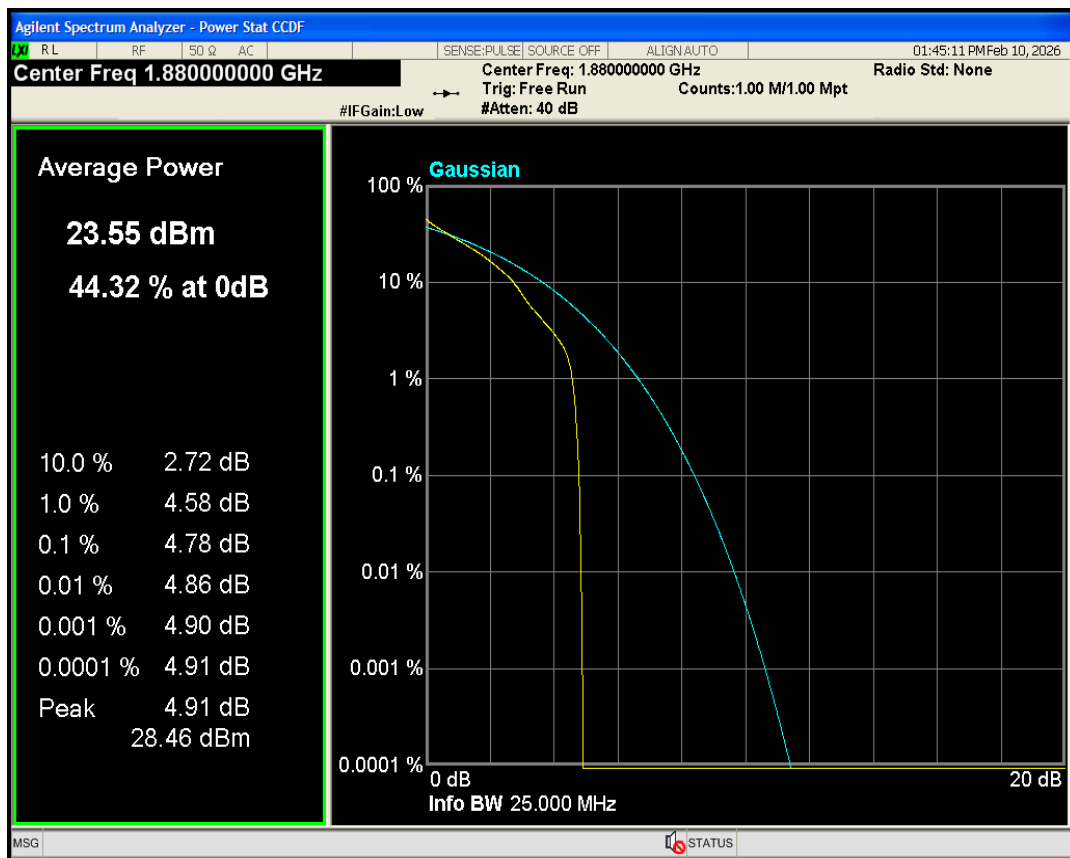
Band2 QAM16 BW=3MHz Channel=18900 RB Size=1 Position=#0



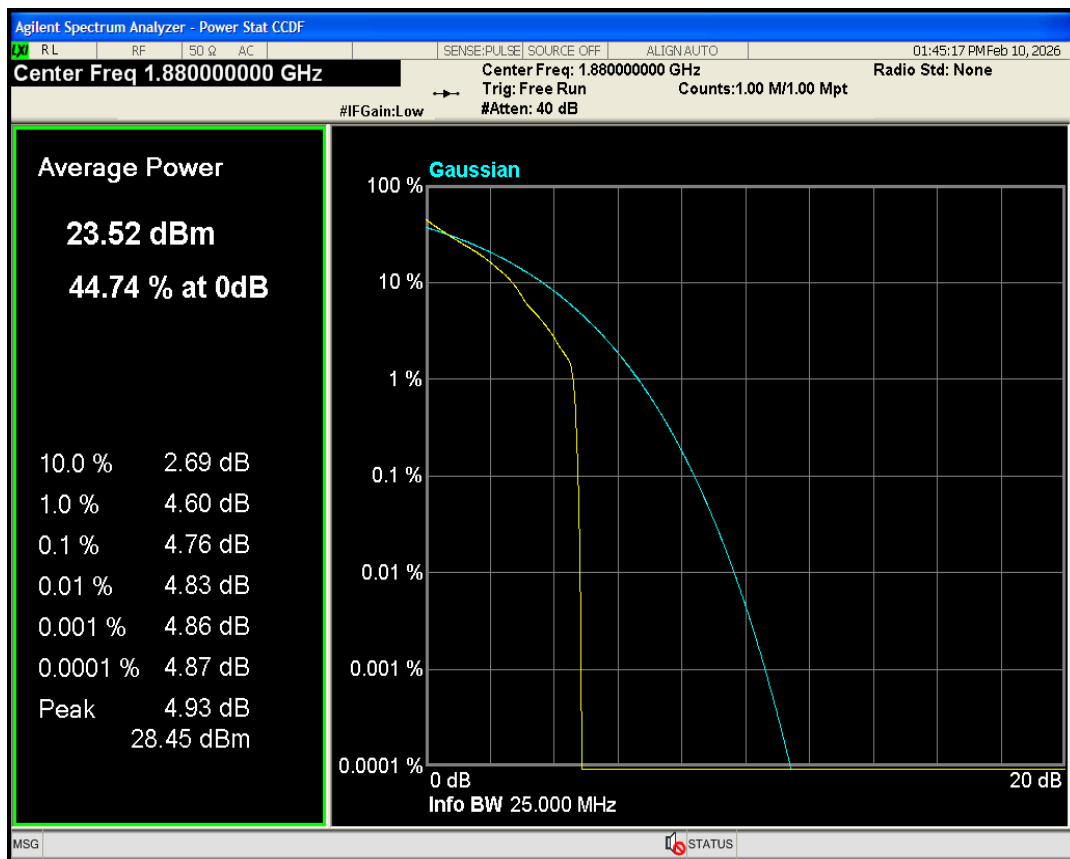
Band2 QAM16 BW=5MHz Channel=18900 RB Size=1 Position=#0



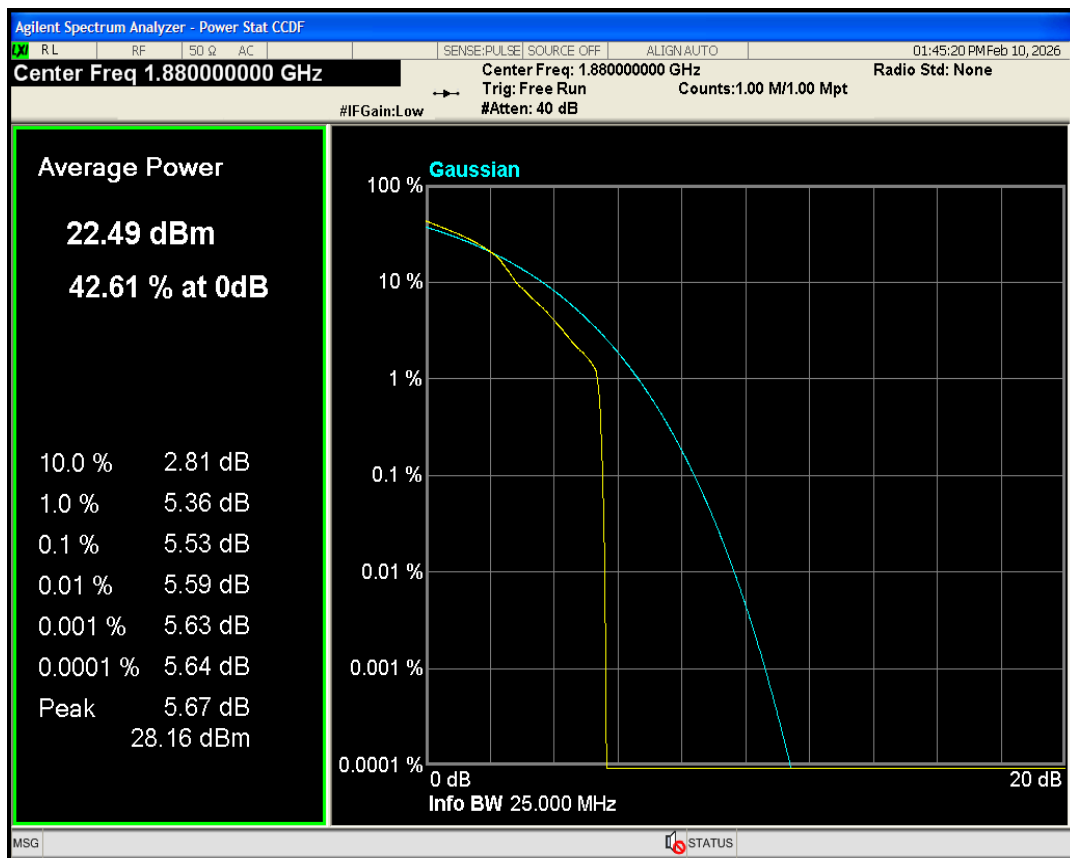
Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



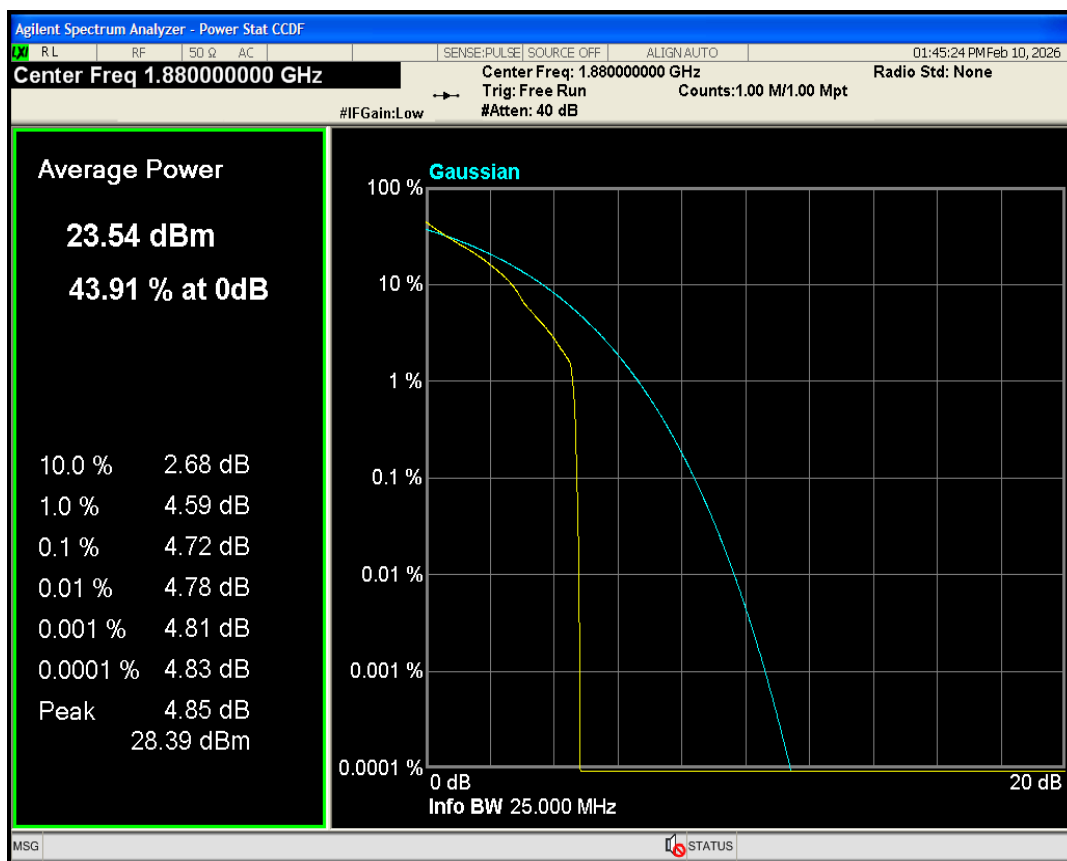
Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



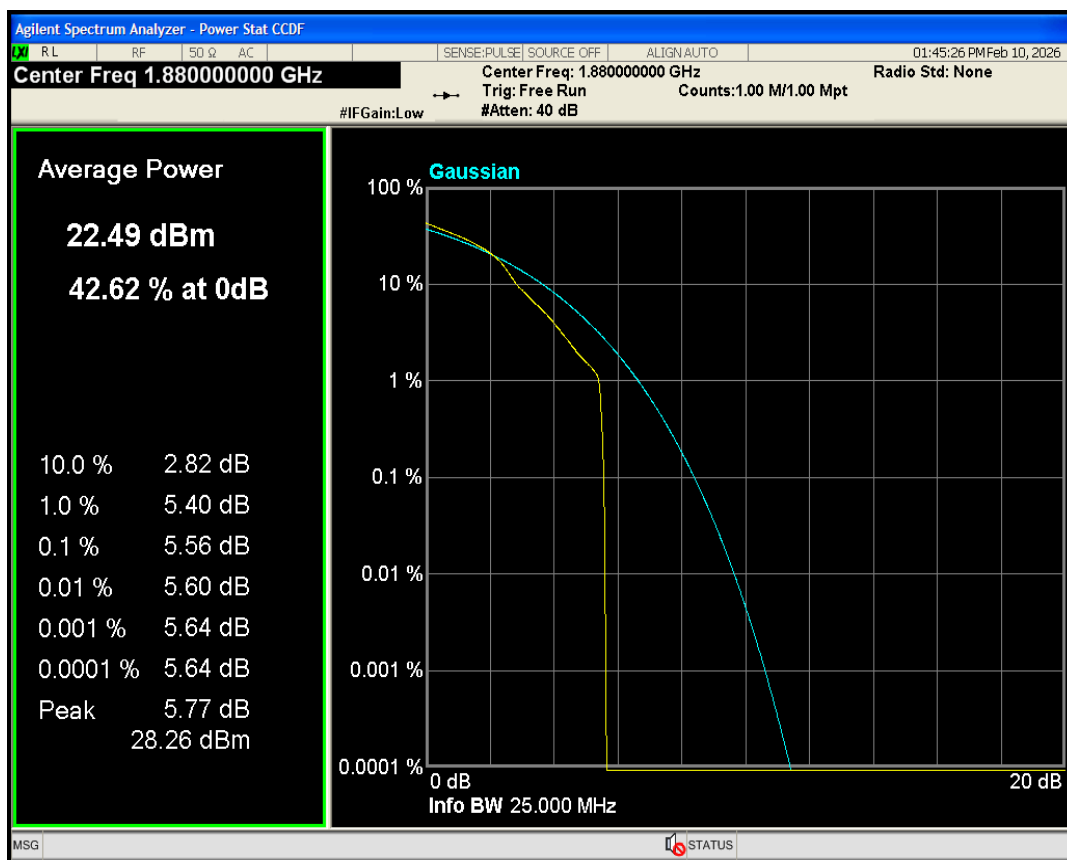
Band2 QAM16 BW=10MHz Channel=18900 RB Size=1 Position=#0



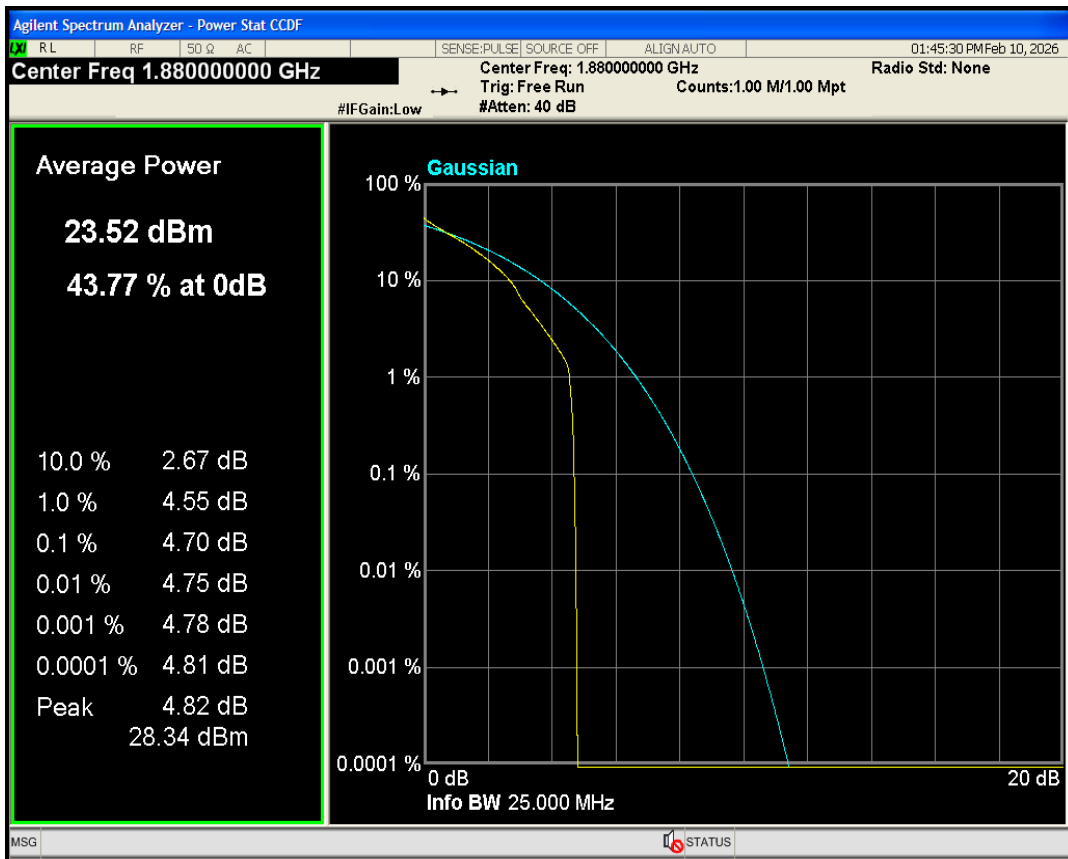
Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



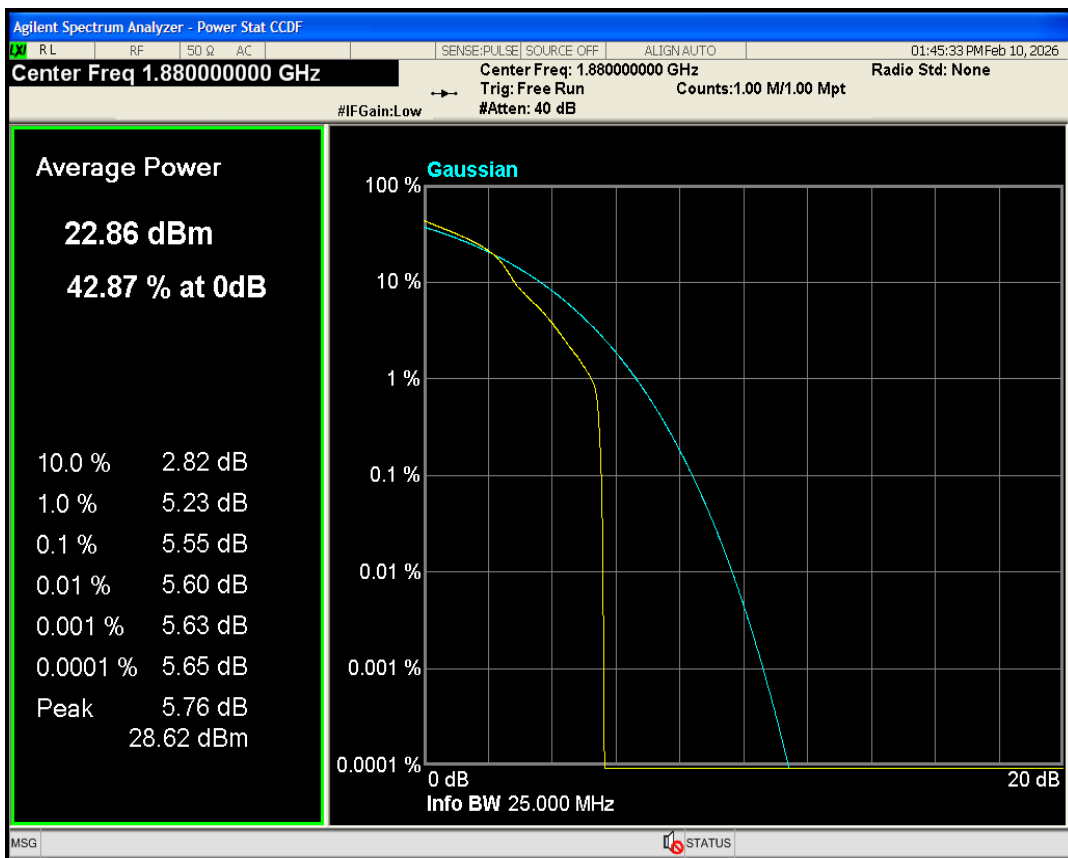
Band2 QAM16 BW=15MHz Channel=18900 RB Size=1 Position=#0



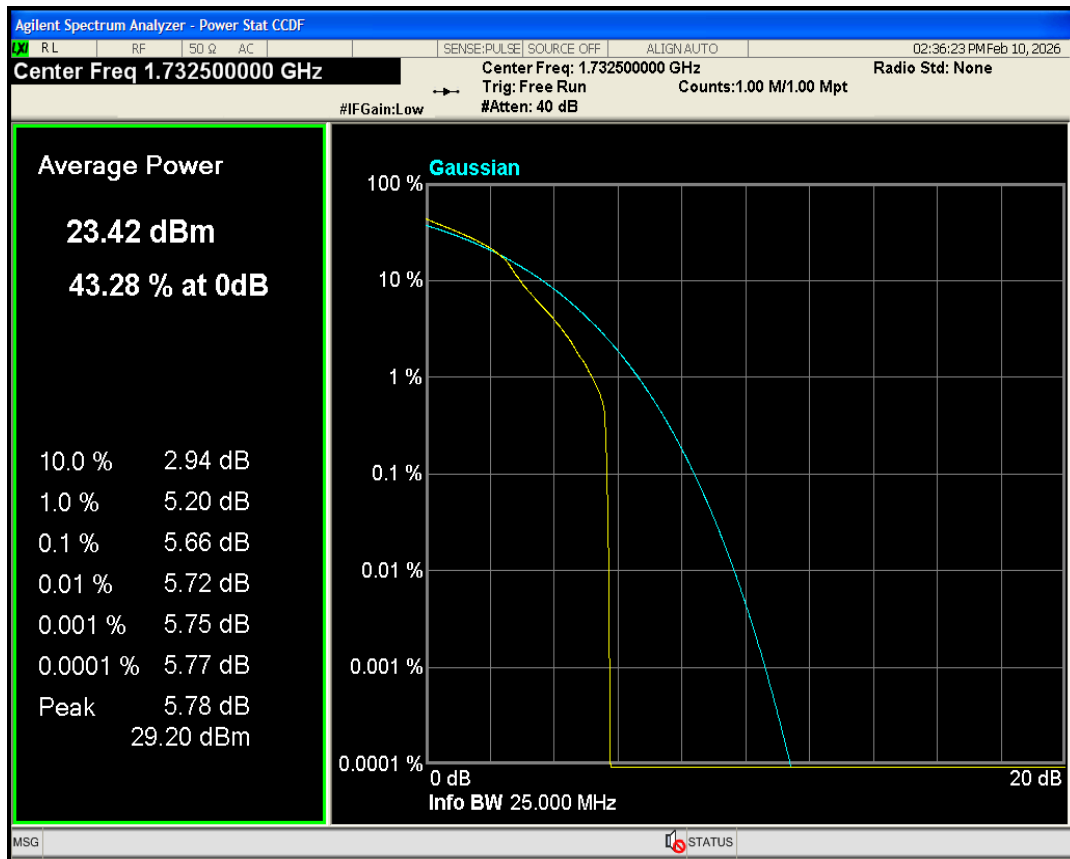
Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0



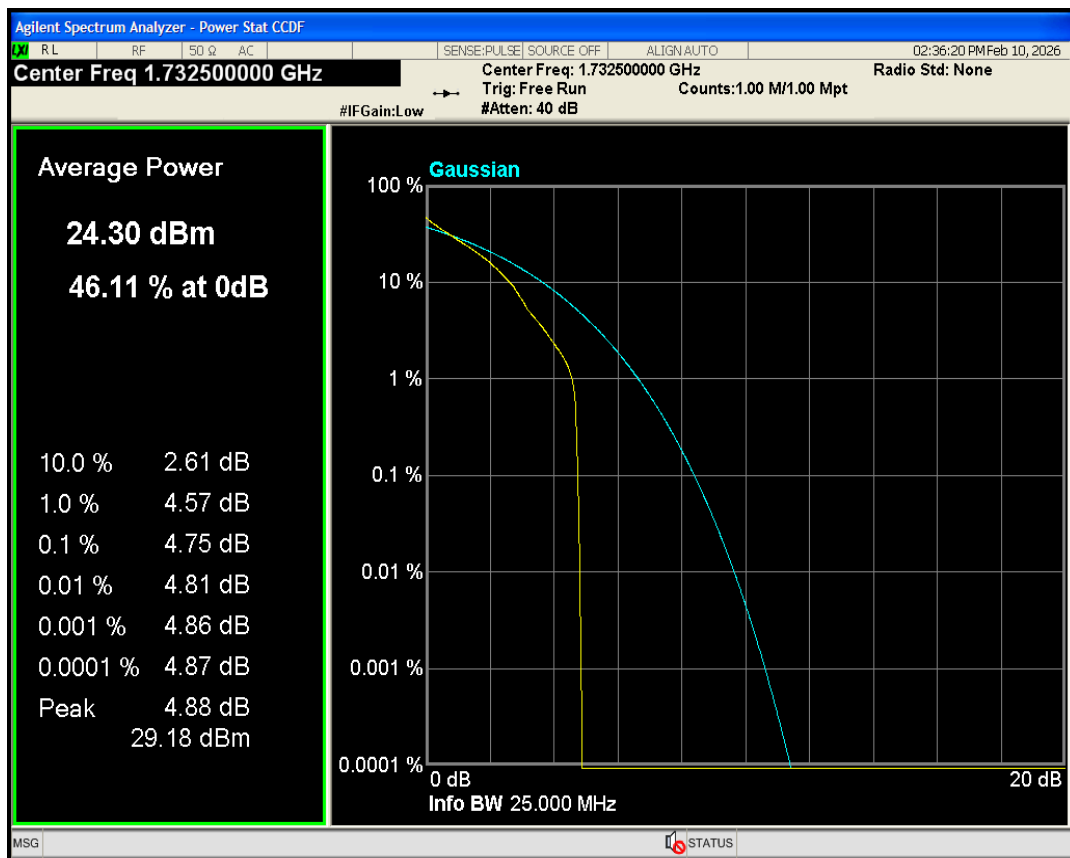
Band2 QAM16 BW=20MHz Channel=18900 RB Size=1 Position=#0



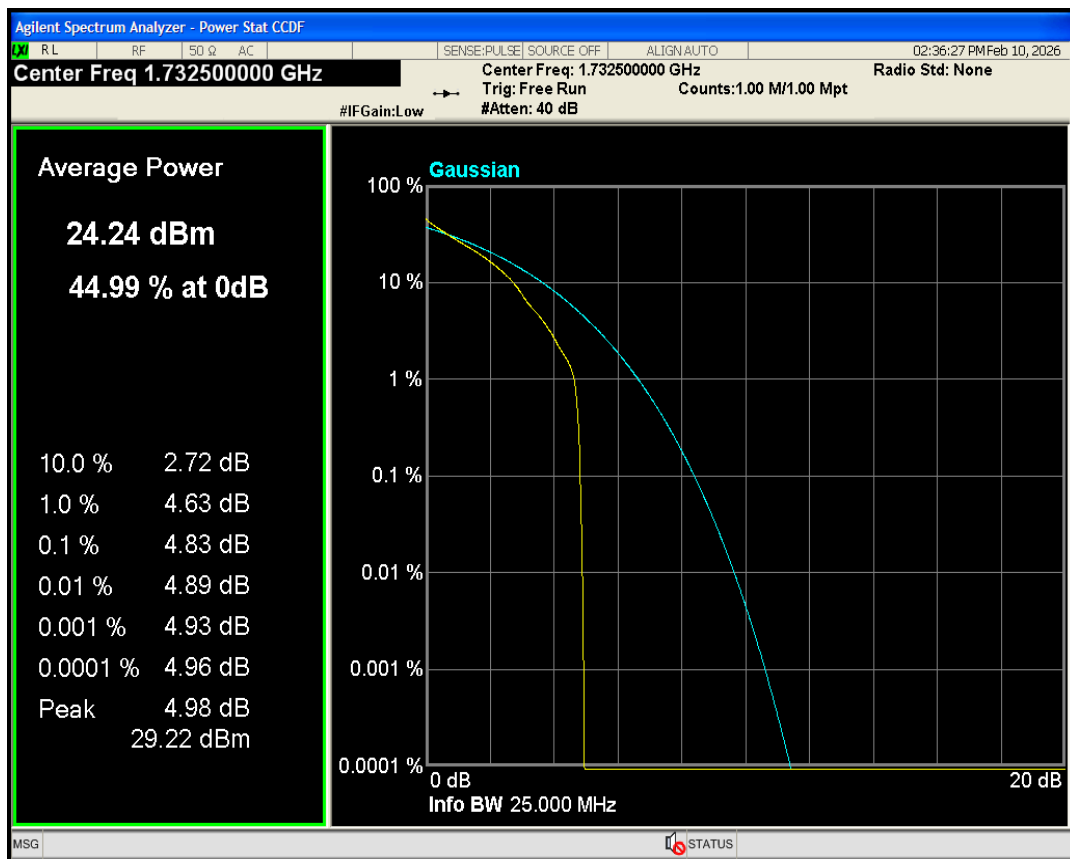
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=1 Position=#0



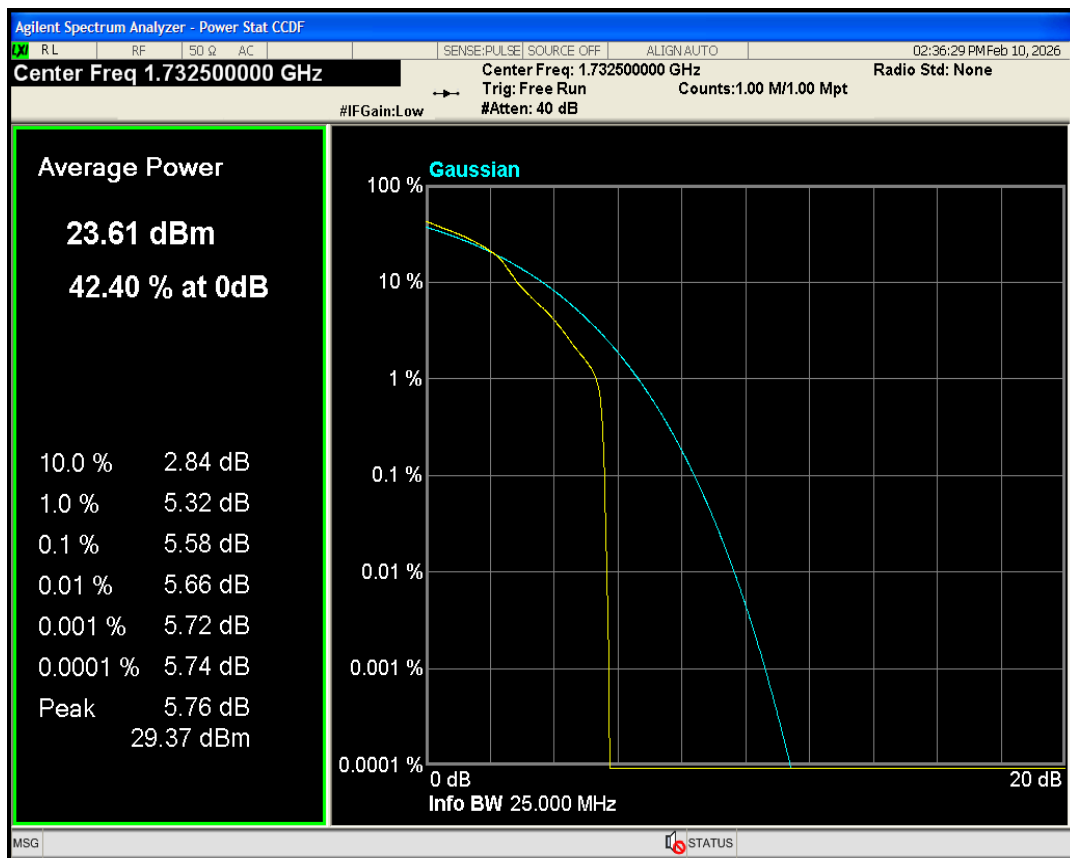
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



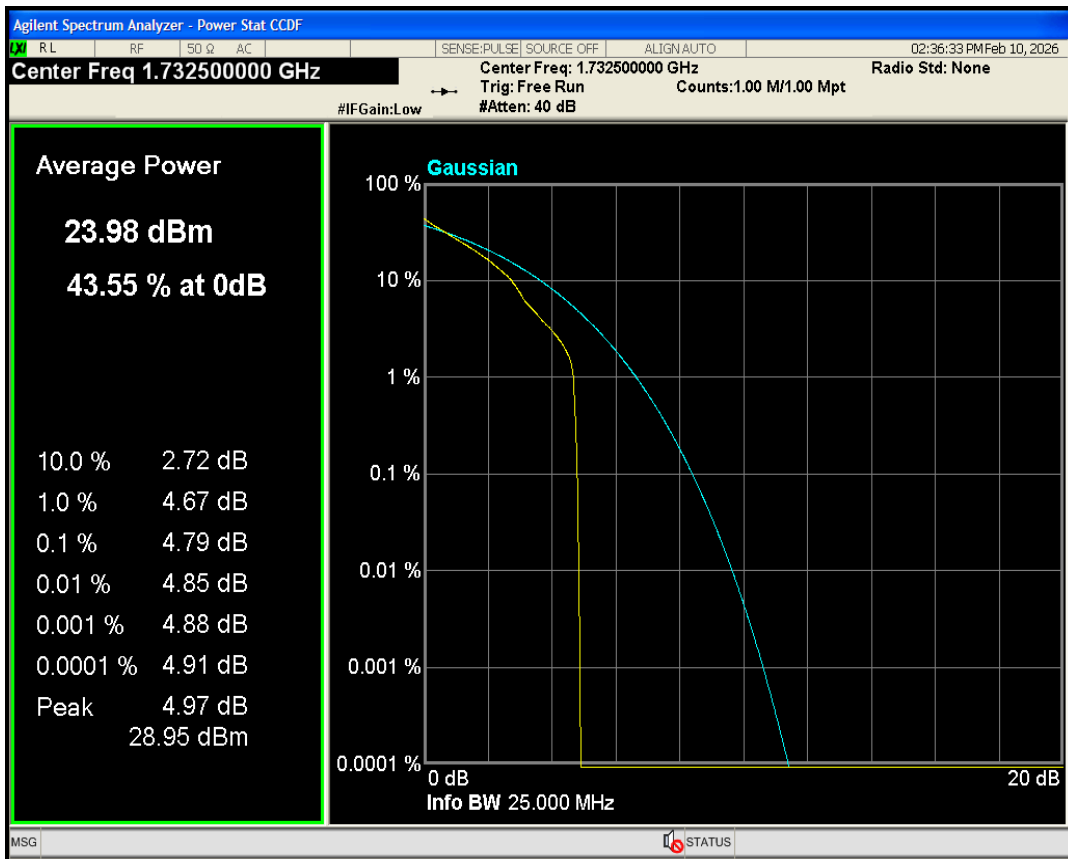
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



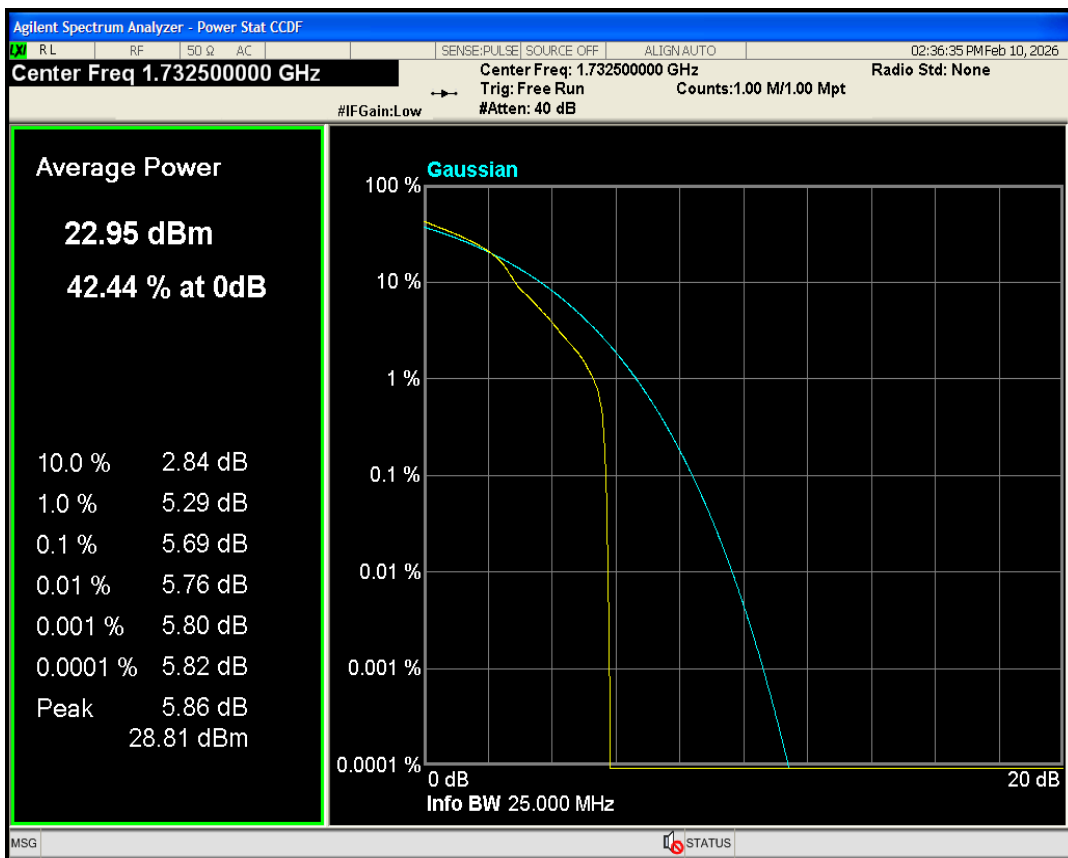
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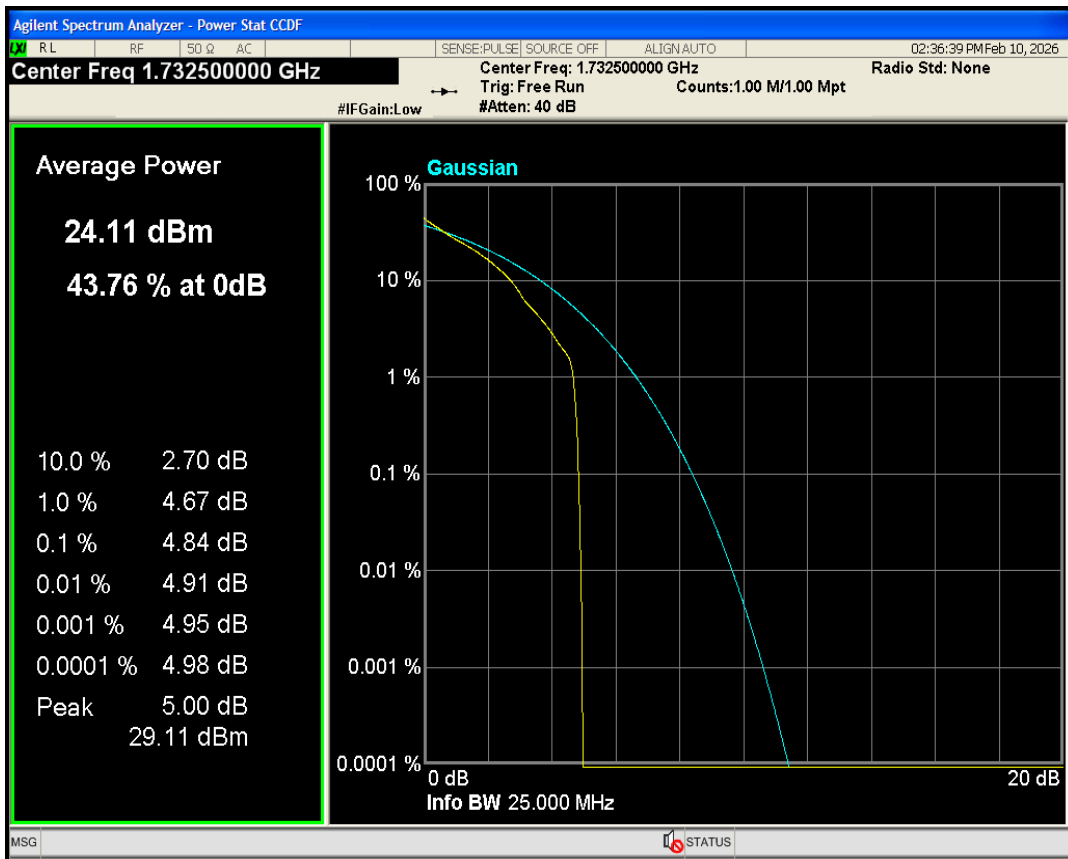
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



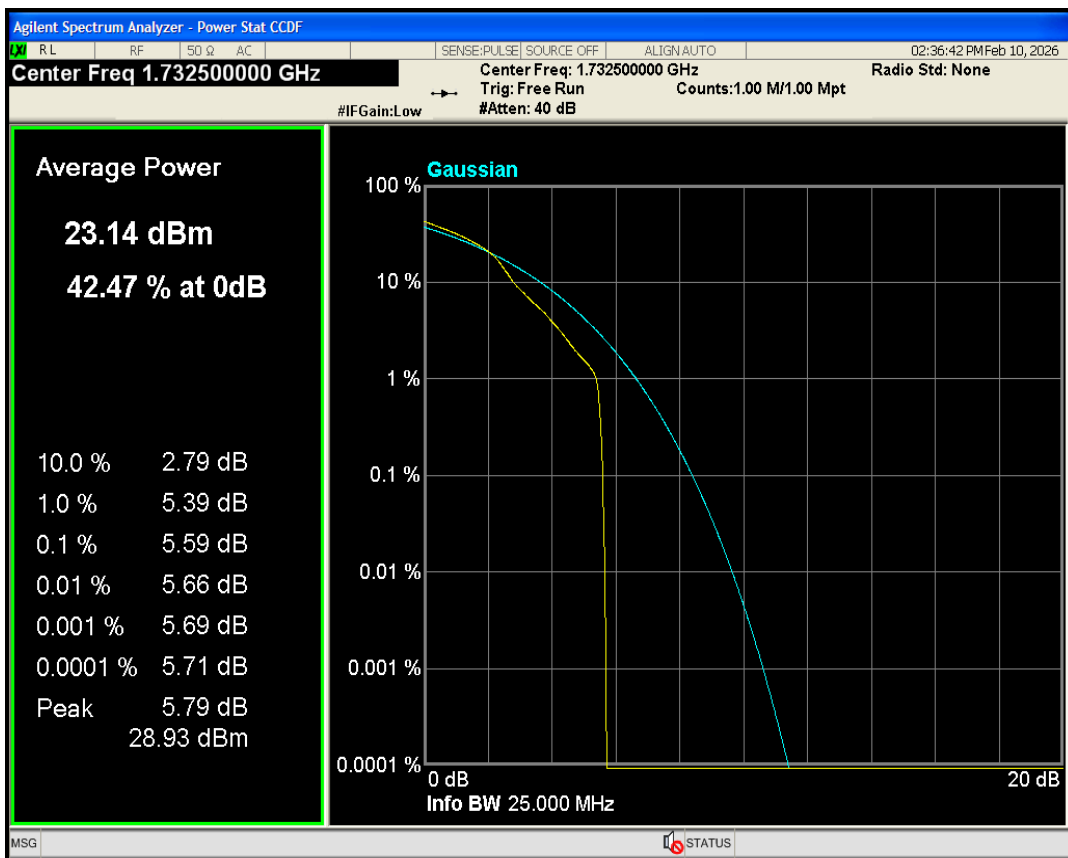
Band4 QAM16 BW=5MHz Channel=20175 RB Size=1 Position=#0



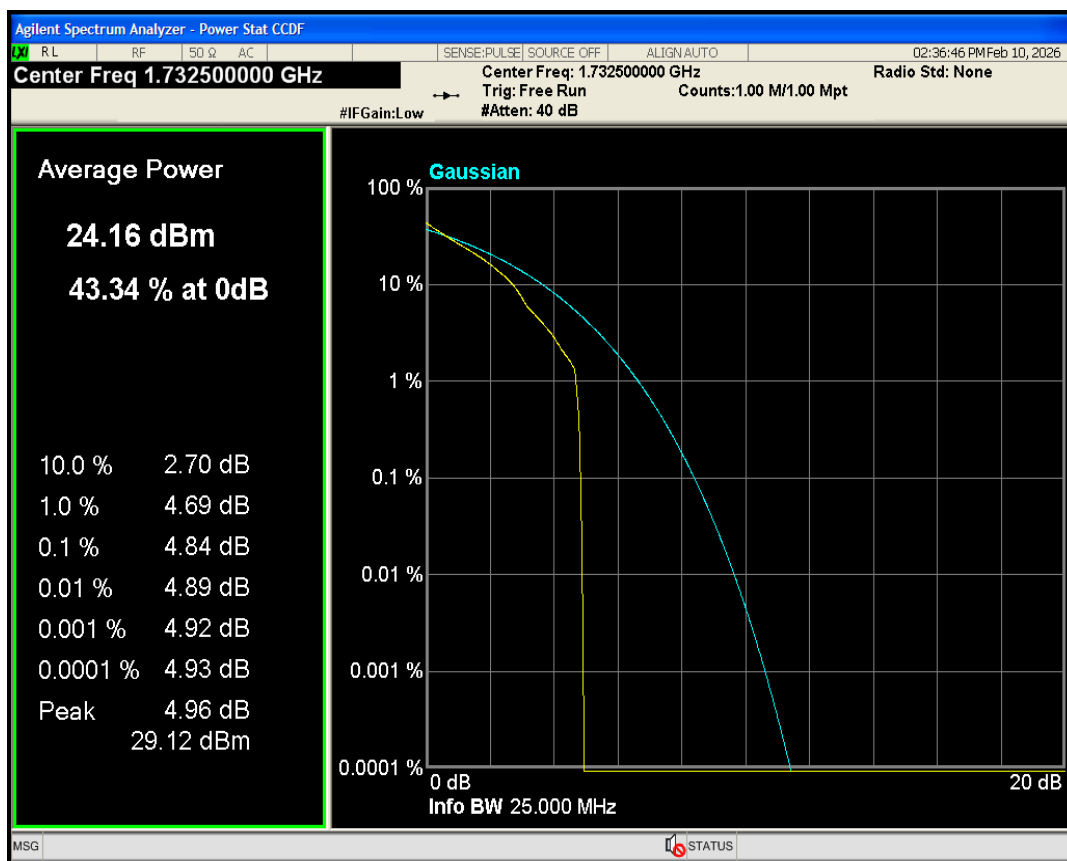
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



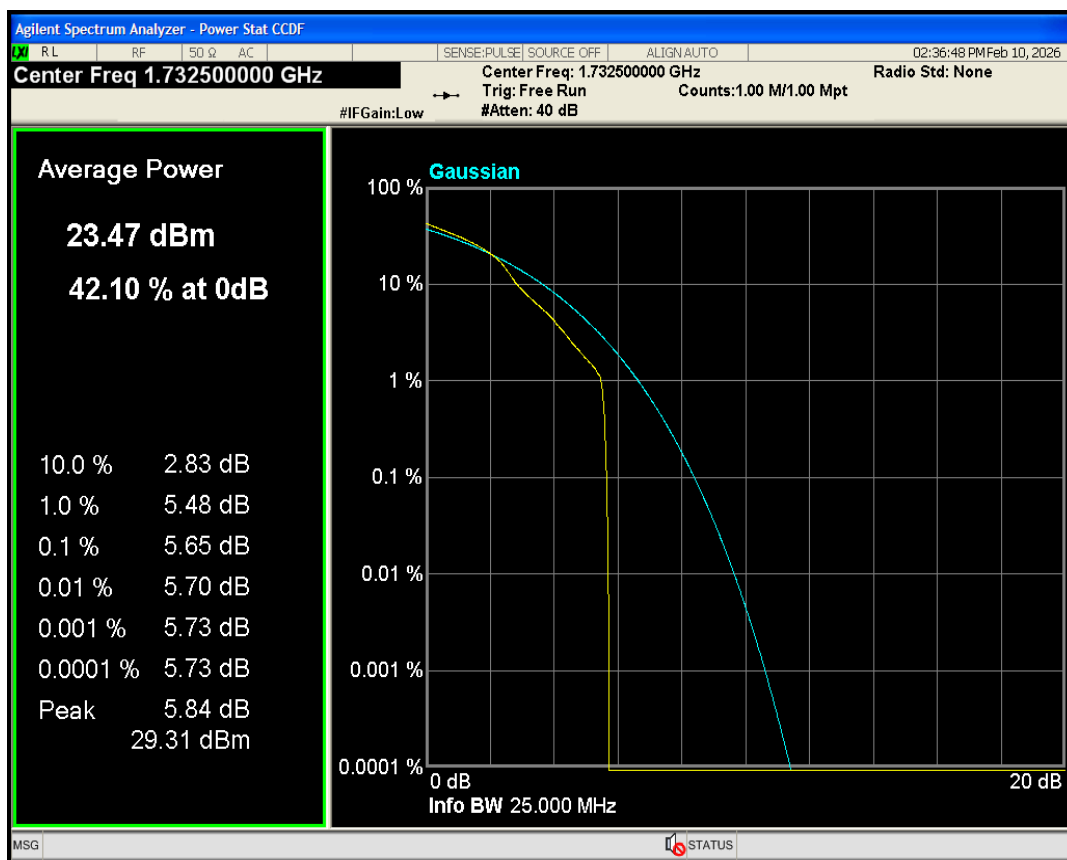
Band4 QAM16 BW=10MHz Channel=20175 RB Size=1 Position=#0



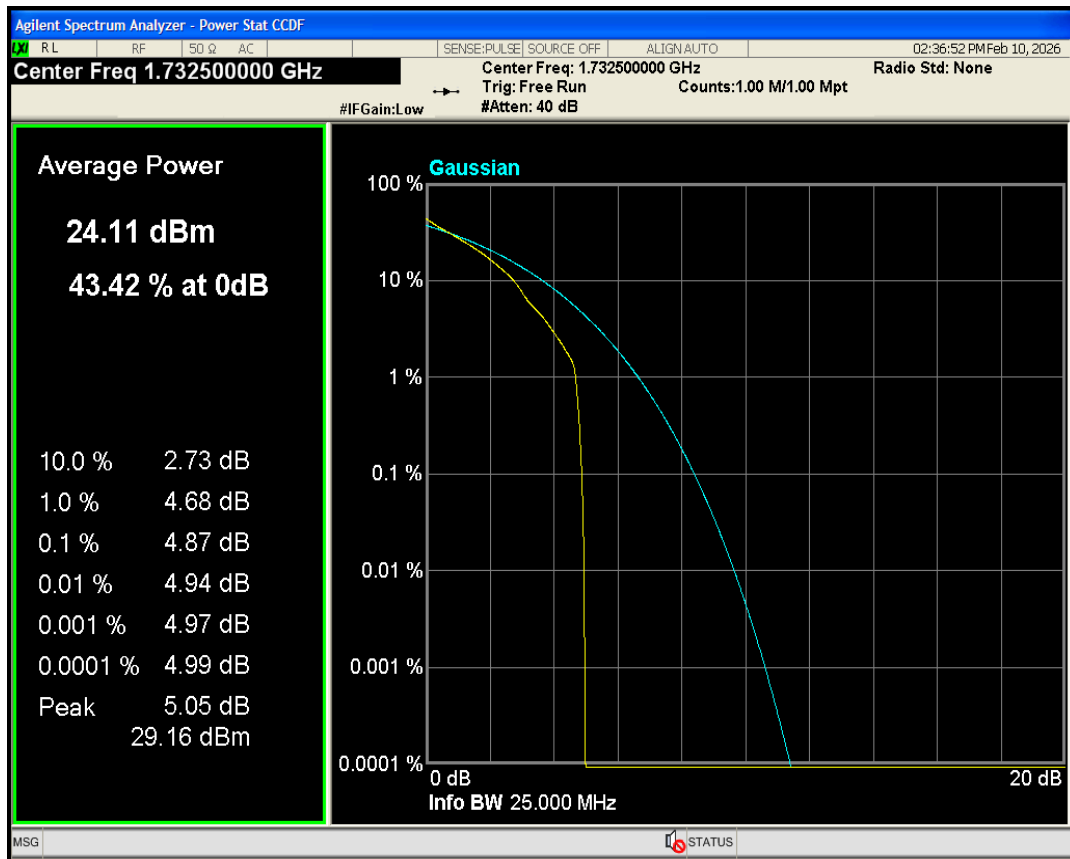
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



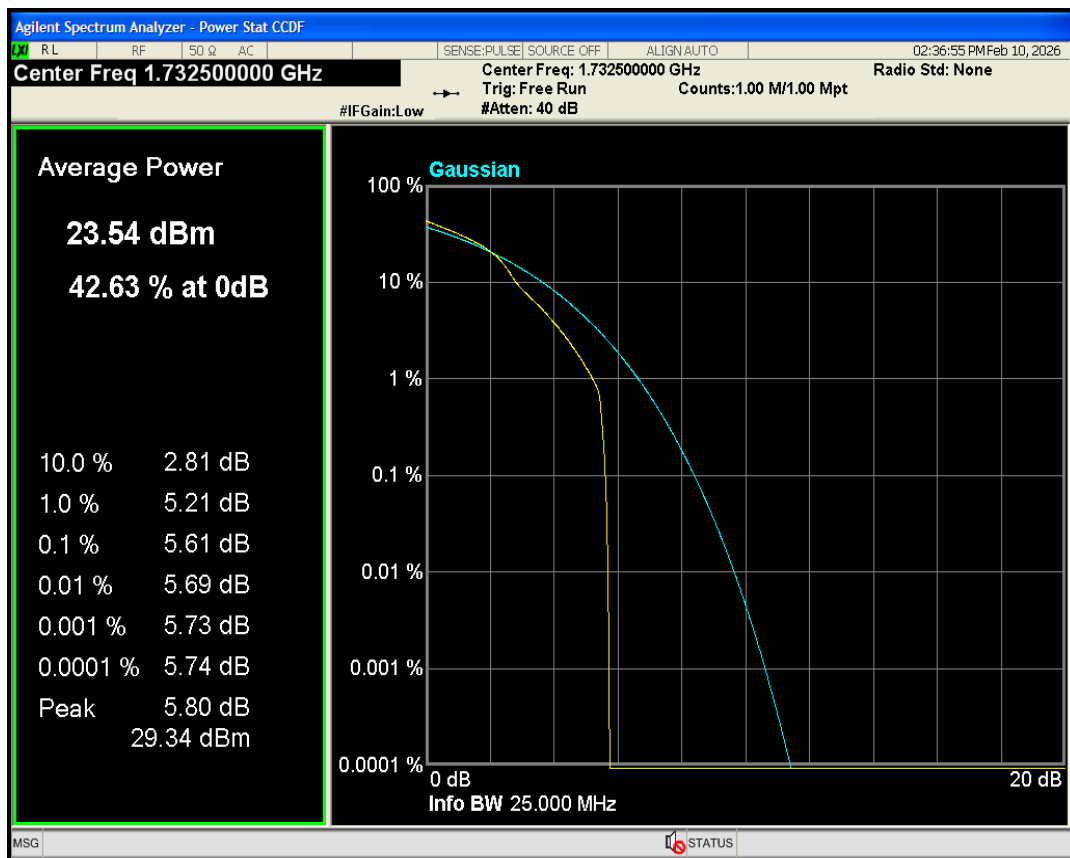
Band4 QAM16 BW=15MHz Channel=20175 RB Size=1 Position=#0



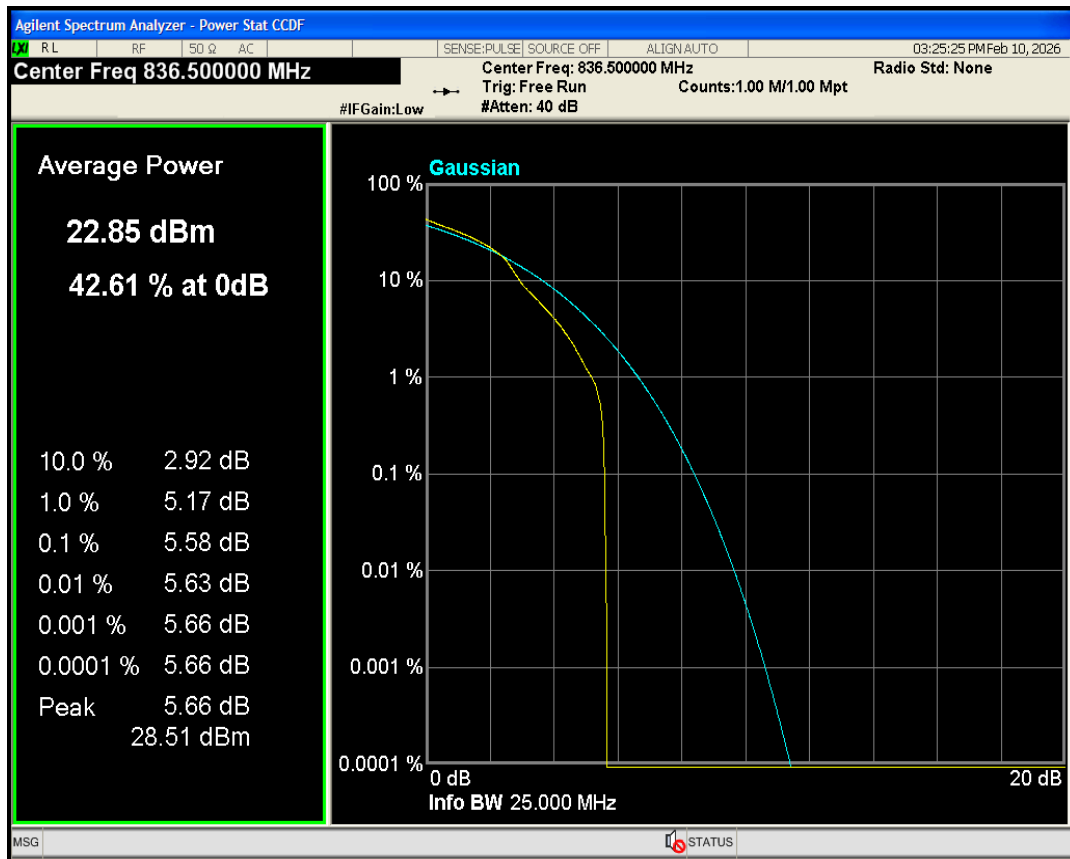
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



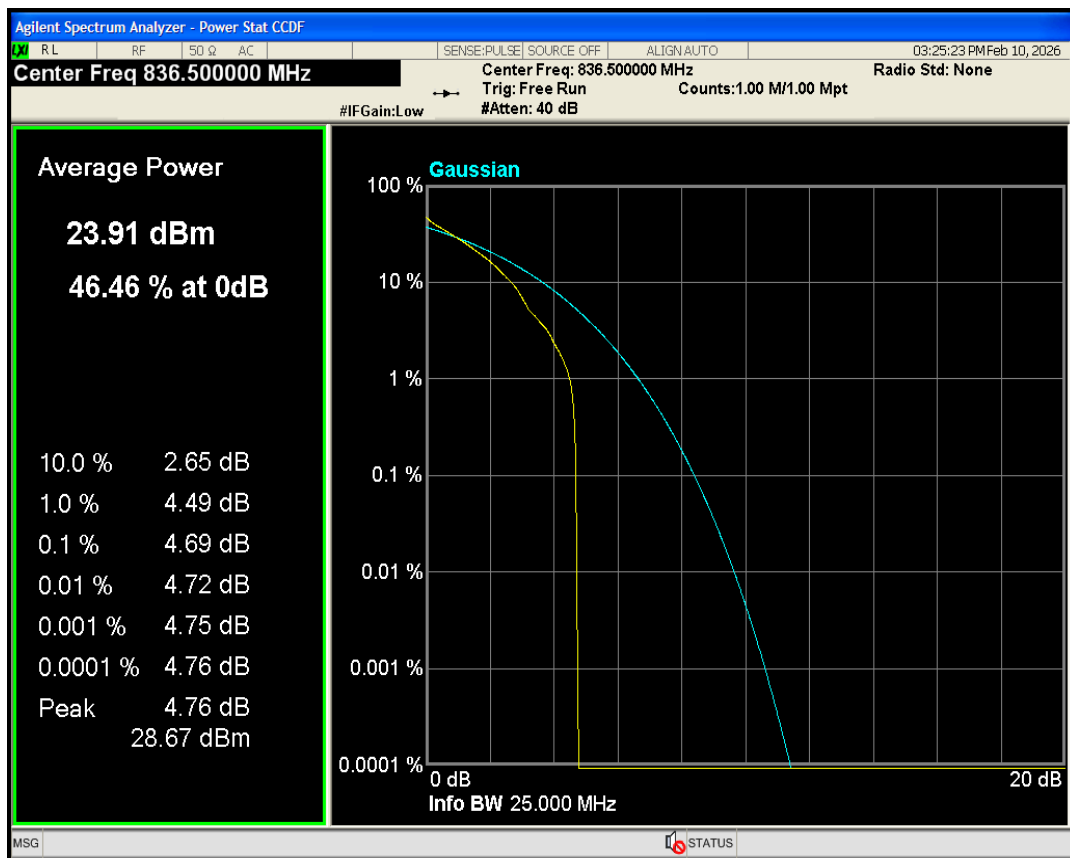
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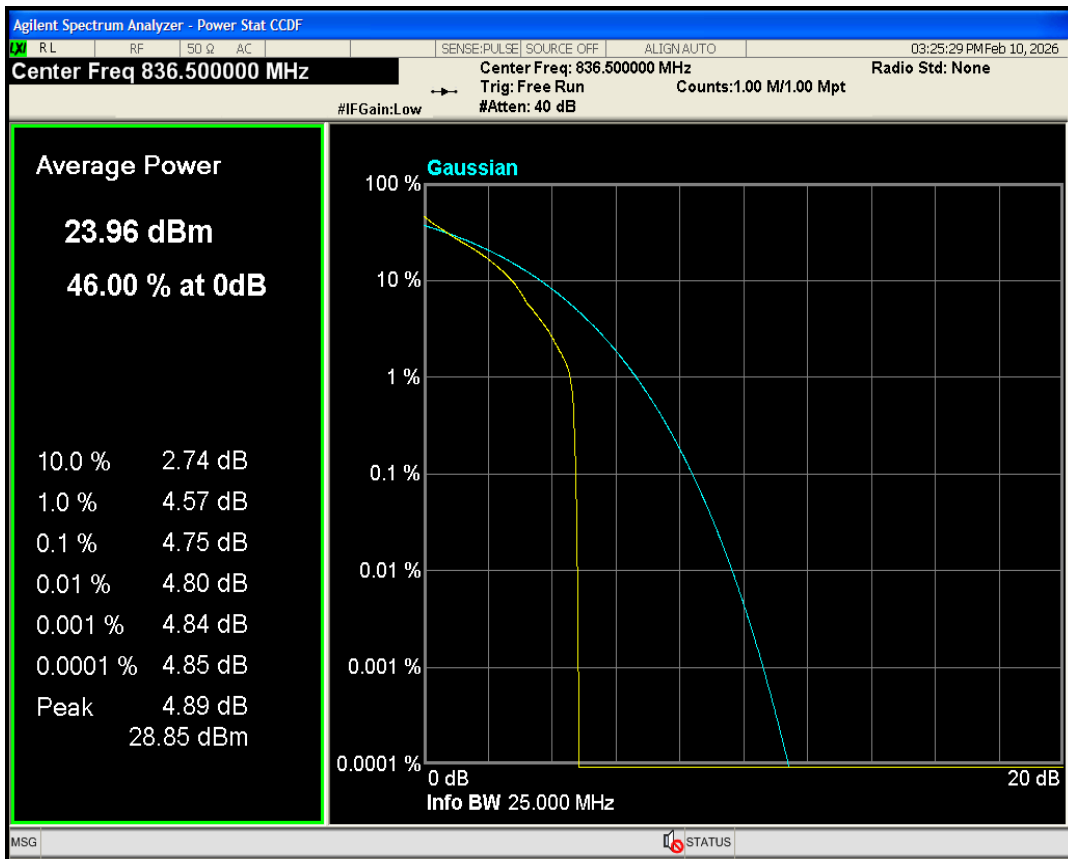
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0



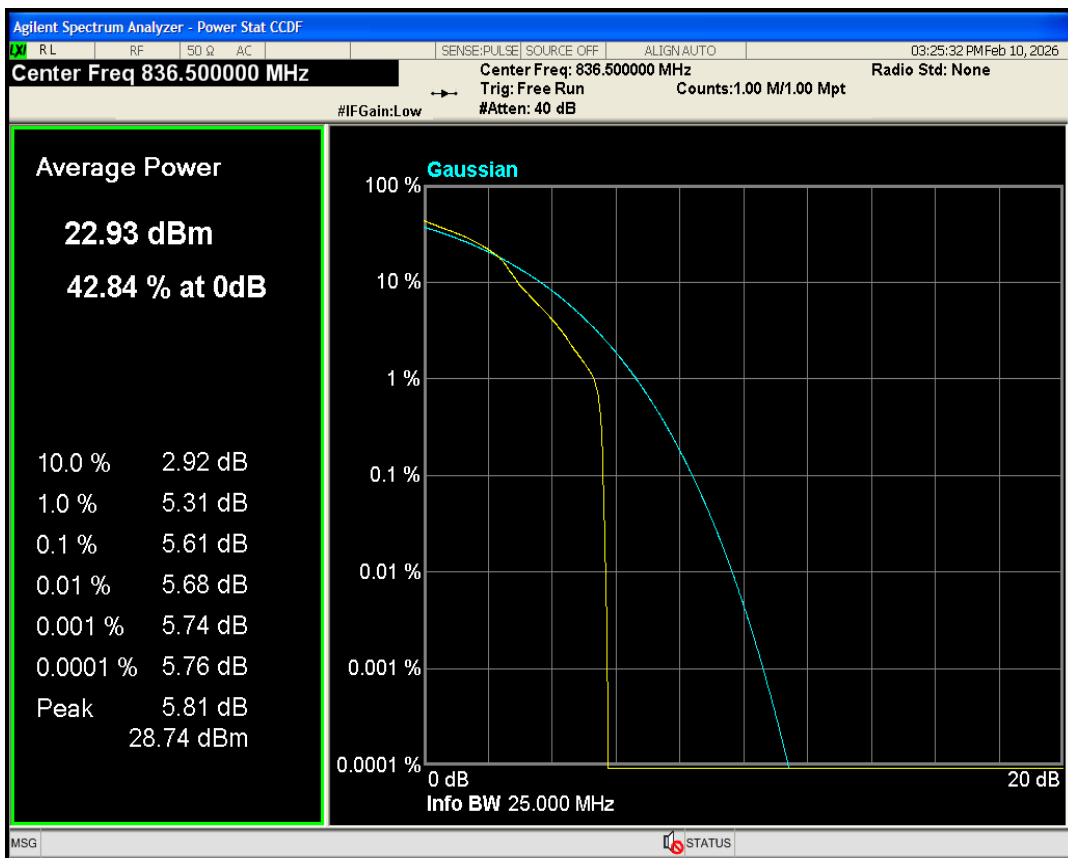
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



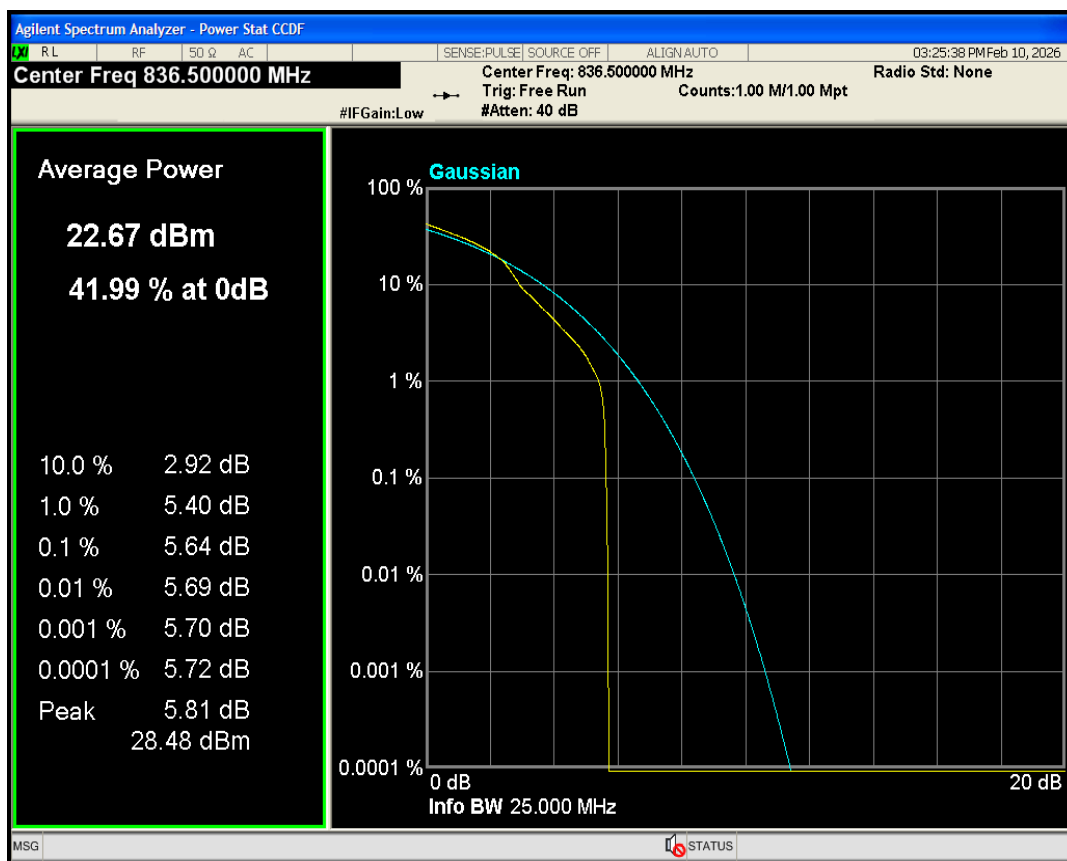
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



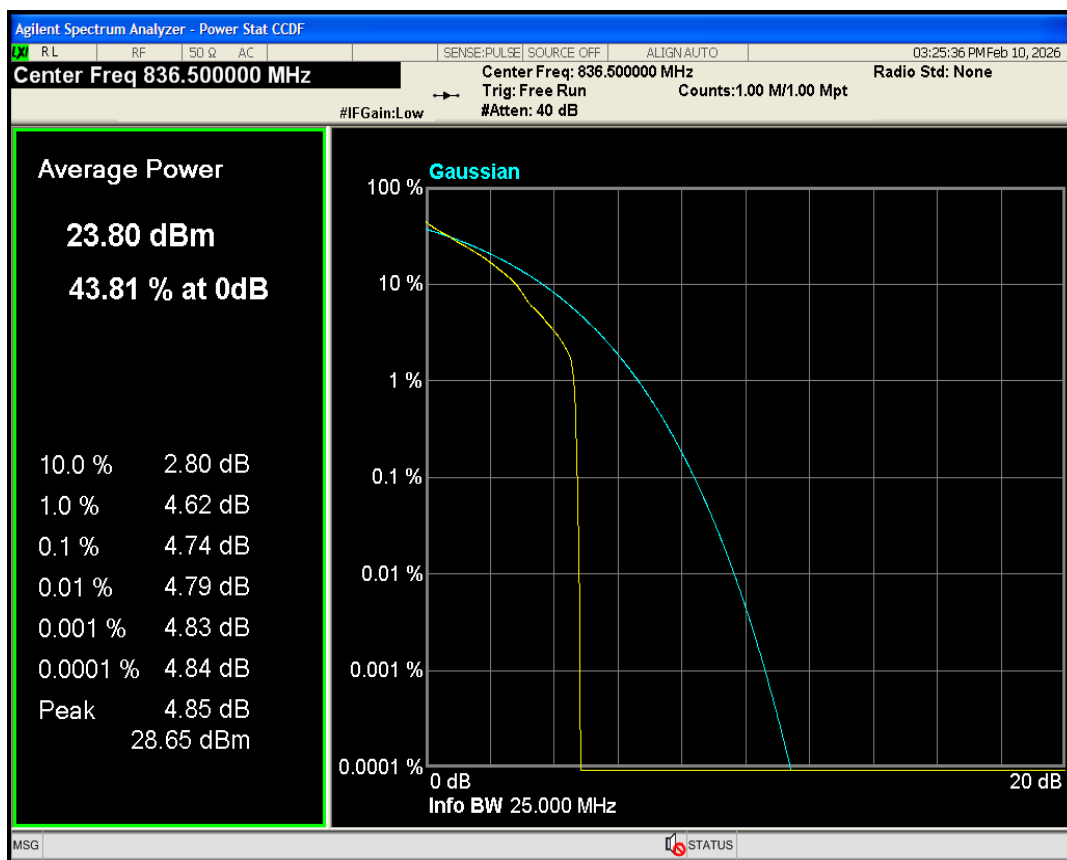
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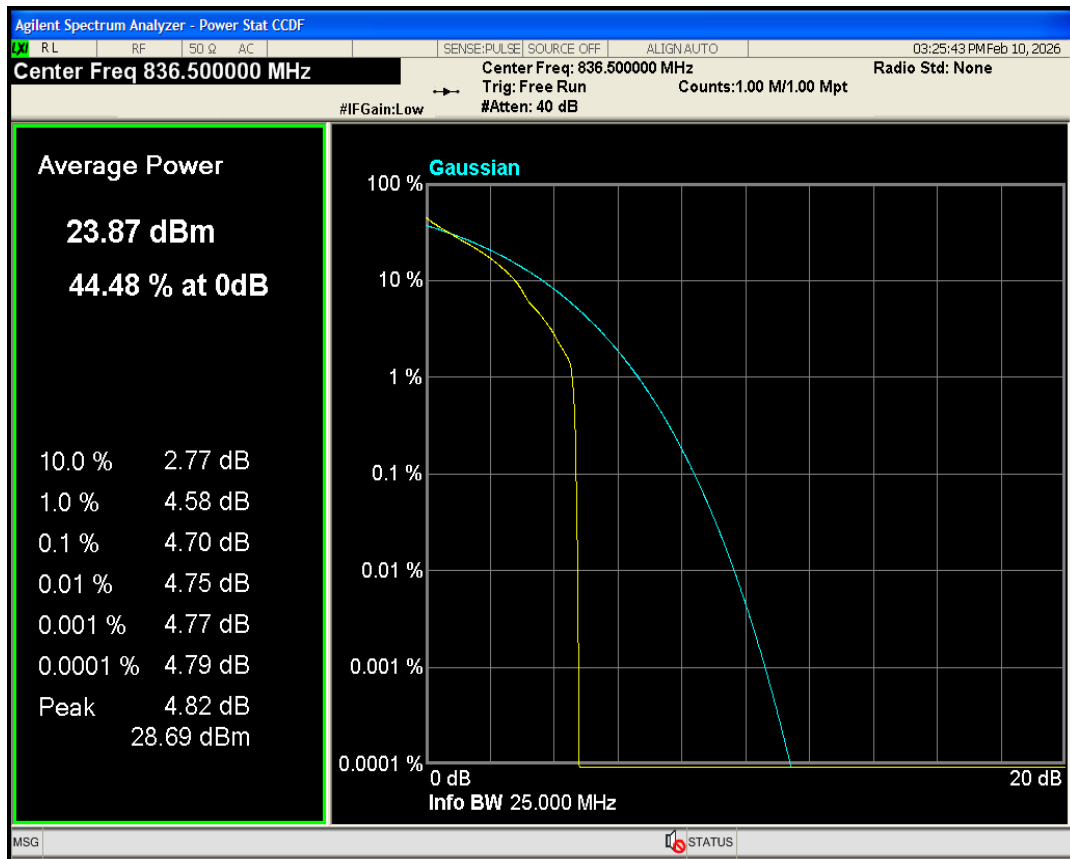
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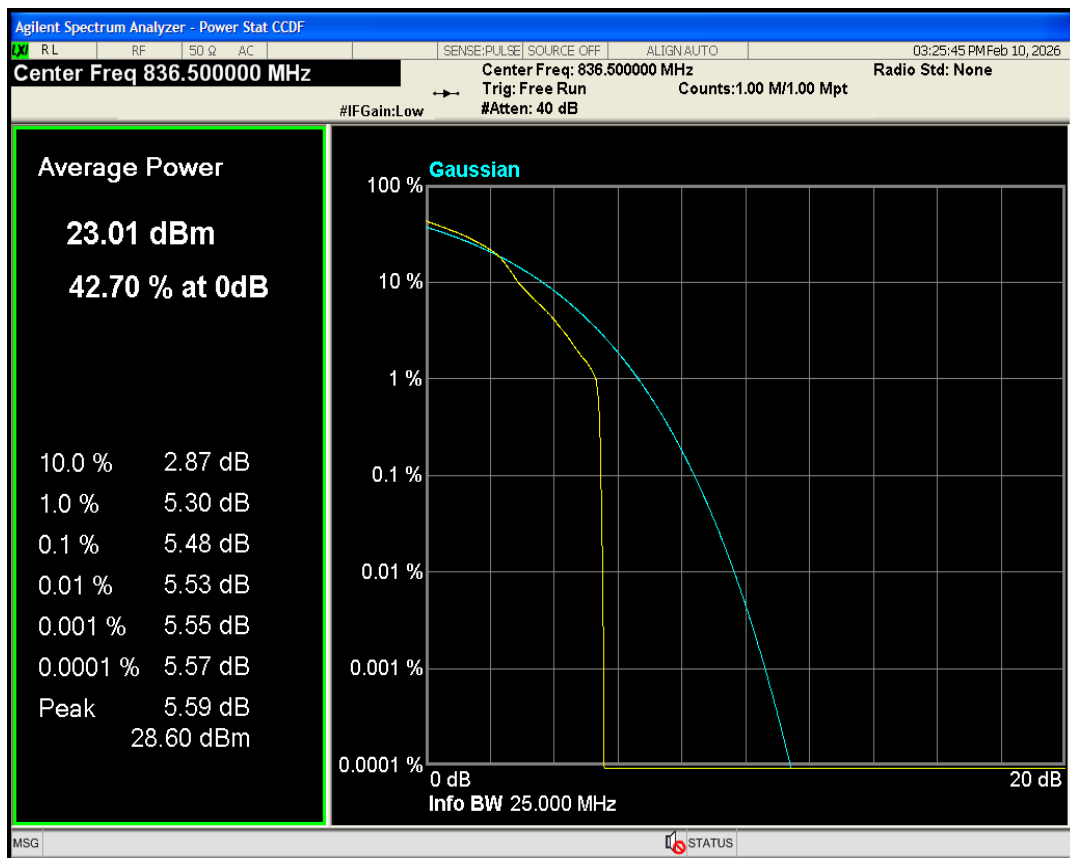
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



Band5 QAM16 BW=10MHz Channel=20525 RB Size=1 Position=#0



4 Occupied bandwidth

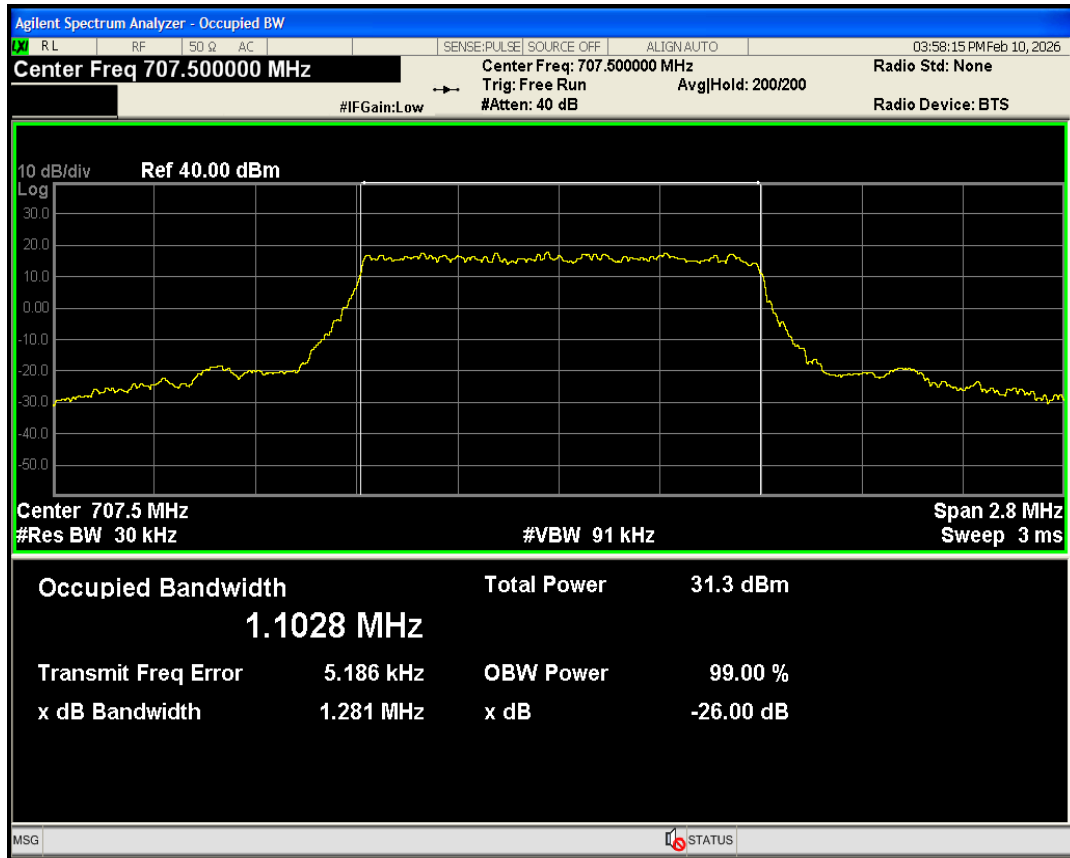
## Report

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 1.103         | 1.281           | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | QAM16      | 1.102         | 1.291           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QPSK       | 2.701         | 3.002           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QAM16      | 2.703         | 2.989           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QPSK       | 4.510         | 4.968           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QAM16      | 4.514         | 4.962           | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QPSK       | 8.988         | 9.879           | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QAM16      | 8.970         | 9.855           | PASS    |
| Band13 | 5               | 23230      | 25      | #0          | QPSK       | 4.507         | 4.958           | PASS    |
| Band13 | 5               | 23230      | 25      | #0          | QAM16      | 4.503         | 4.978           | PASS    |
| Band13 | 10              | 23230      | 50      | #0          | QPSK       | 8.968         | 9.861           | PASS    |
| Band13 | 10              | 23230      | 50      | #0          | QAM16      | 8.966         | 9.694           | PASS    |
| Band2  | 1.4             | 18900      | 6       | #0          | QPSK       | 1.093         | 1.275           | PASS    |
| Band2  | 1.4             | 18900      | 6       | #0          | QAM16      | 1.098         | 1.281           | PASS    |
| Band2  | 3               | 18900      | 15      | #0          | QPSK       | 2.696         | 2.956           | PASS    |
| Band2  | 3               | 18900      | 15      | #0          | QAM16      | 2.701         | 2.957           | PASS    |
| Band2  | 5               | 18900      | 25      | #0          | QPSK       | 4.497         | 4.919           | PASS    |
| Band2  | 5               | 18900      | 25      | #0          | QAM16      | 4.526         | 4.954           | PASS    |
| Band2  | 10              | 18900      | 50      | #0          | QPSK       | 8.976         | 9.856           | PASS    |
| Band2  | 10              | 18900      | 50      | #0          | QAM16      | 8.961         | 9.773           | PASS    |
| Band2  | 15              | 18900      | 75      | #0          | QPSK       | 13.416        | 14.658          | PASS    |
| Band2  | 15              | 18900      | 75      | #0          | QAM16      | 13.427        | 14.448          | PASS    |
| Band2  | 20              | 18900      | 100     | #0          | QPSK       | 17.928        | 19.295          | PASS    |
| Band2  | 20              | 18900      | 100     | #0          | QAM16      | 17.857        | 19.315          | PASS    |
| Band4  | 1.4             | 20175      | 6       | #0          | QPSK       | 1.095         | 1.288           | PASS    |
| Band4  | 1.4             | 20175      | 6       | #0          | QAM16      | 1.098         | 1.310           | PASS    |
| Band4  | 3               | 20175      | 15      | #0          | QPSK       | 2.704         | 2.980           | PASS    |
| Band4  | 3               | 20175      | 15      | #0          | QAM16      | 2.702         | 2.985           | PASS    |
| Band4  | 5               | 20175      | 25      | #0          | QPSK       | 4.514         | 4.998           | PASS    |
| Band4  | 5               | 20175      | 25      | #0          | QAM16      | 4.507         | 4.924           | PASS    |
| Band4  | 10              | 20175      | 50      | #0          | QPSK       | 8.993         | 9.809           | PASS    |
| Band4  | 10              | 20175      | 50      | #0          | QAM16      | 8.961         | 9.726           | PASS    |
| Band4  | 15              | 20175      | 75      | #0          | QPSK       | 13.439        | 14.515          | PASS    |
| Band4  | 15              | 20175      | 75      | #0          | QAM16      | 13.402        | 14.576          | PASS    |
| Band4  | 20              | 20175      | 100     | #0          | QPSK       | 17.916        | 19.170          | PASS    |
| Band4  | 20              | 20175      | 100     | #0          | QAM16      | 17.820        | 19.354          | PASS    |
| Band5  | 1.4             | 20525      | 6       | #0          | QPSK       | 1.098         | 1.270           | PASS    |
| Band5  | 1.4             | 20525      | 6       | #0          | QAM16      | 1.099         | 1.298           | PASS    |
| Band5  | 3               | 20525      | 15      | #0          | QPSK       | 2.705         | 2.983           | PASS    |
| Band5  | 3               | 20525      | 15      | #0          | QAM16      | 2.698         | 2.973           | PASS    |
| Band5  | 5               | 20525      | 25      | #0          | QPSK       | 4.514         | 5.000           | PASS    |
| Band5  | 5               | 20525      | 25      | #0          | QAM16      | 4.497         | 4.917           | PASS    |
| Band5  | 10              | 20525      | 50      | #0          | QPSK       | 8.990         | 9.817           | PASS    |

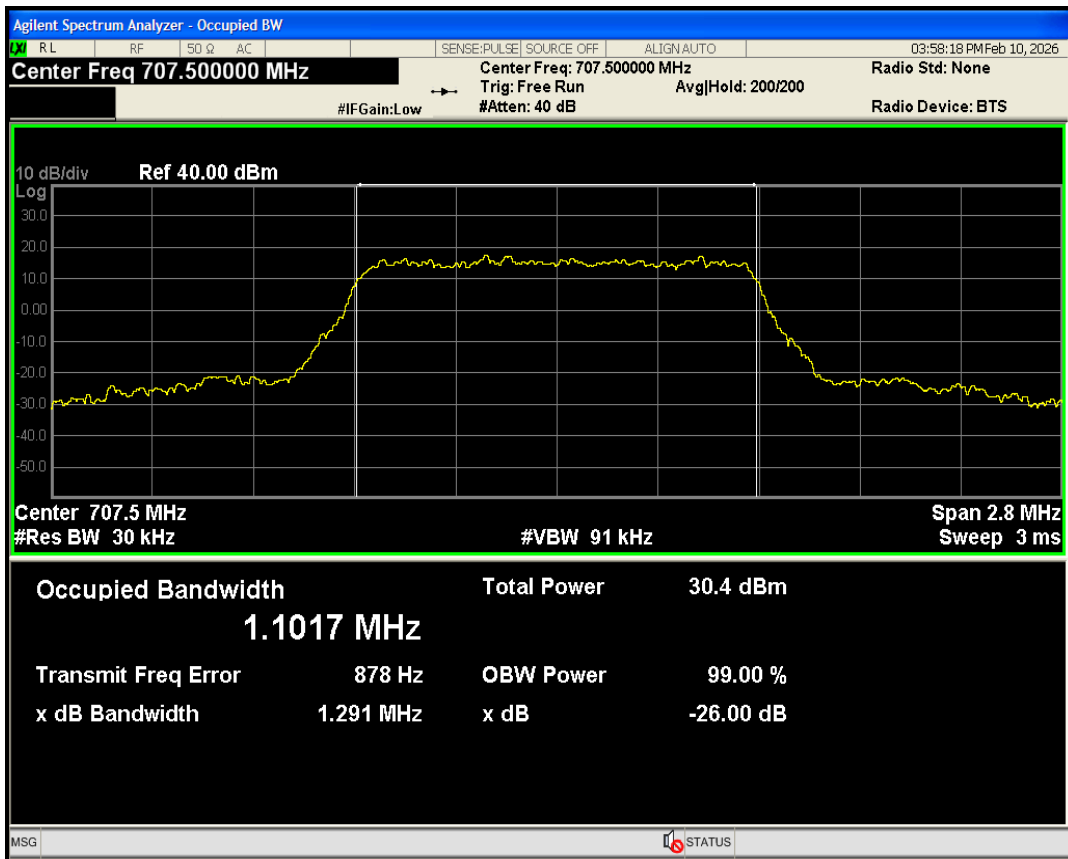
# Report

|       |    |       |    |    |       |       |       |      |
|-------|----|-------|----|----|-------|-------|-------|------|
| Band5 | 10 | 20525 | 50 | #0 | QAM16 | 8.968 | 9.823 | PASS |
|-------|----|-------|----|----|-------|-------|-------|------|

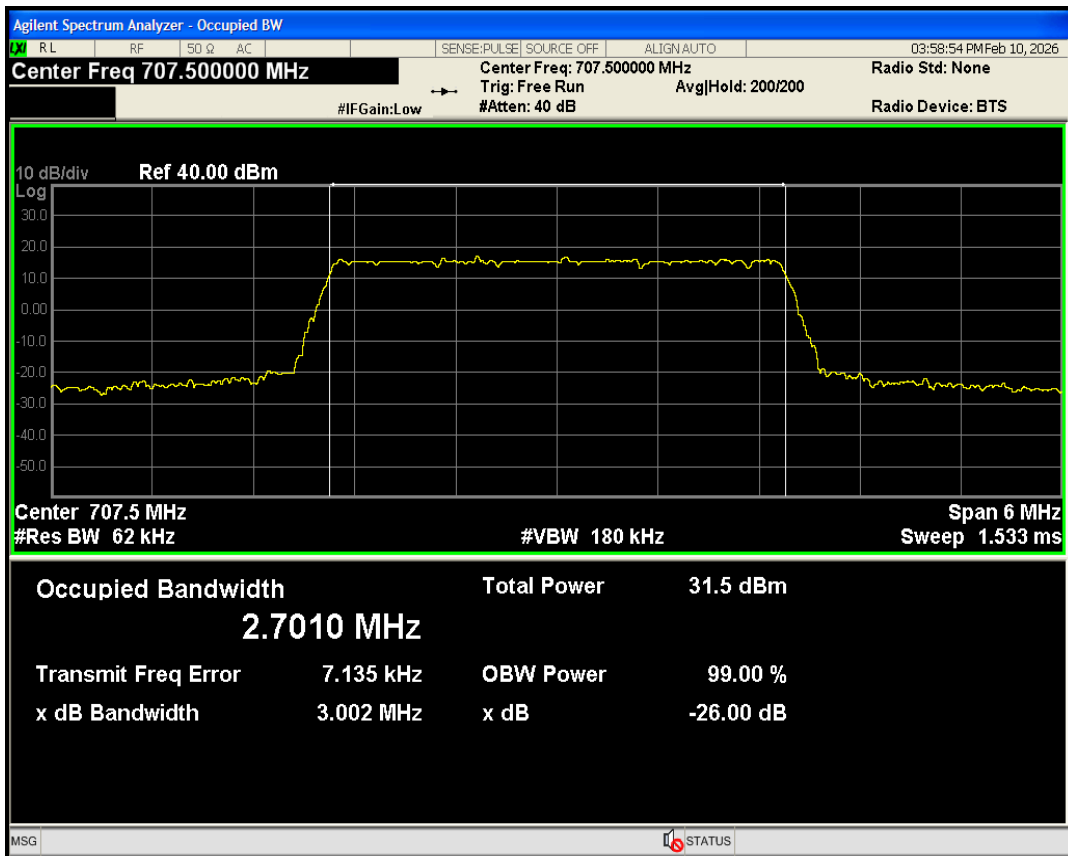
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



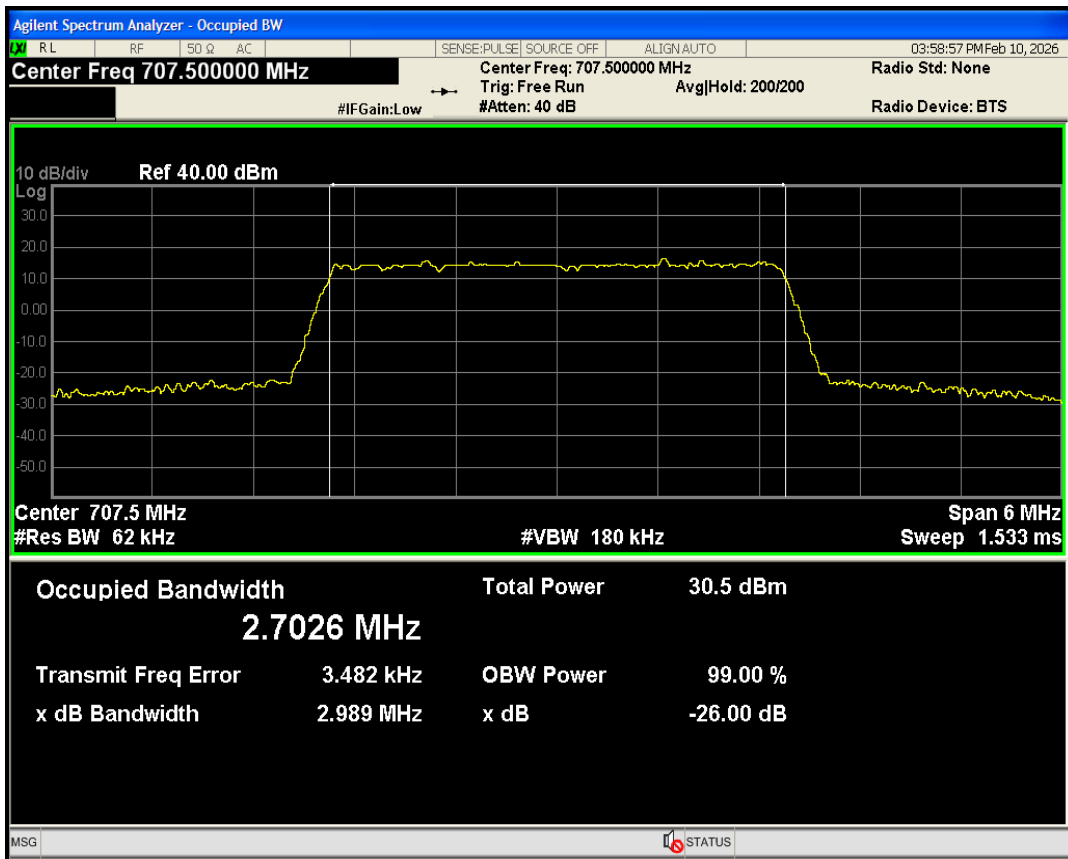
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



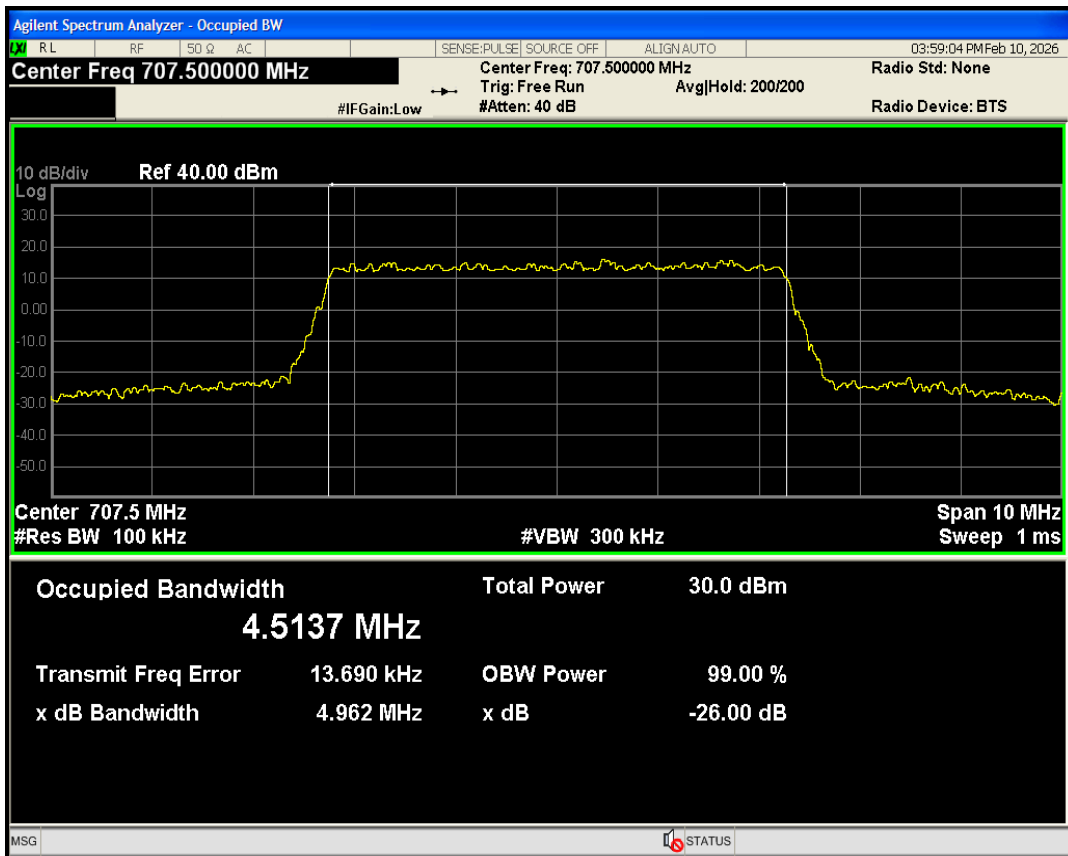
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



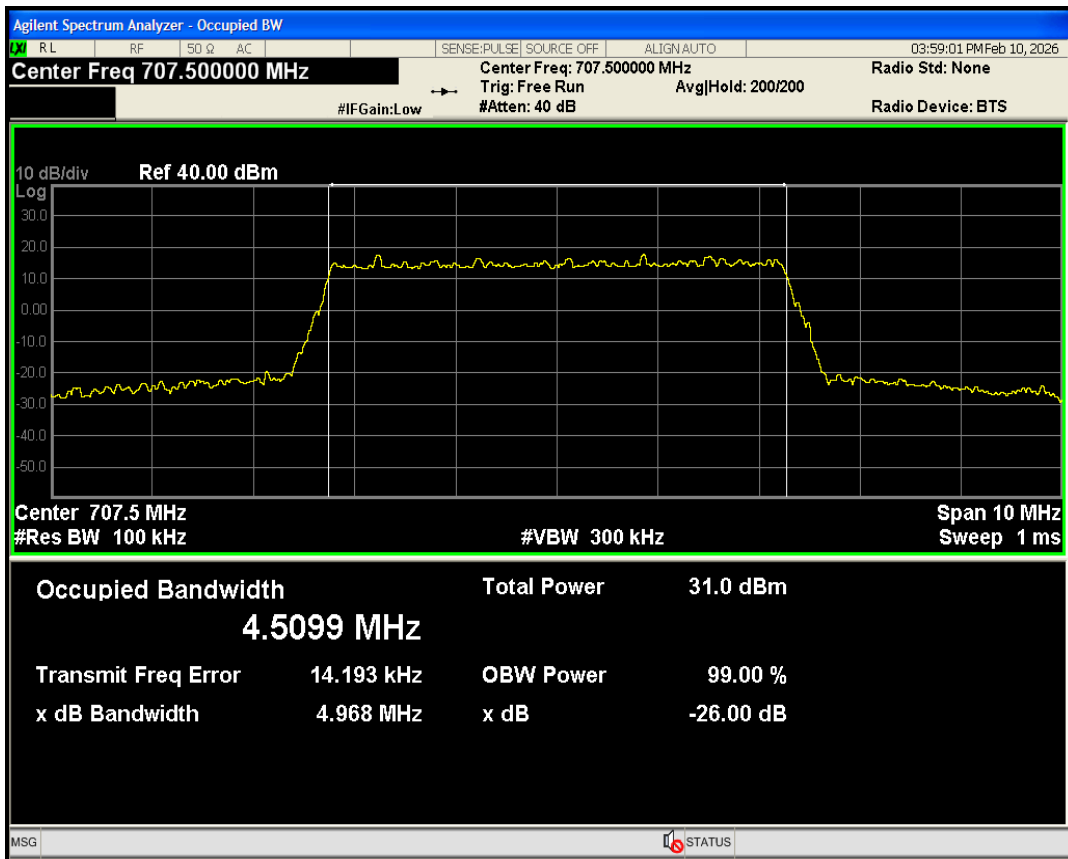
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



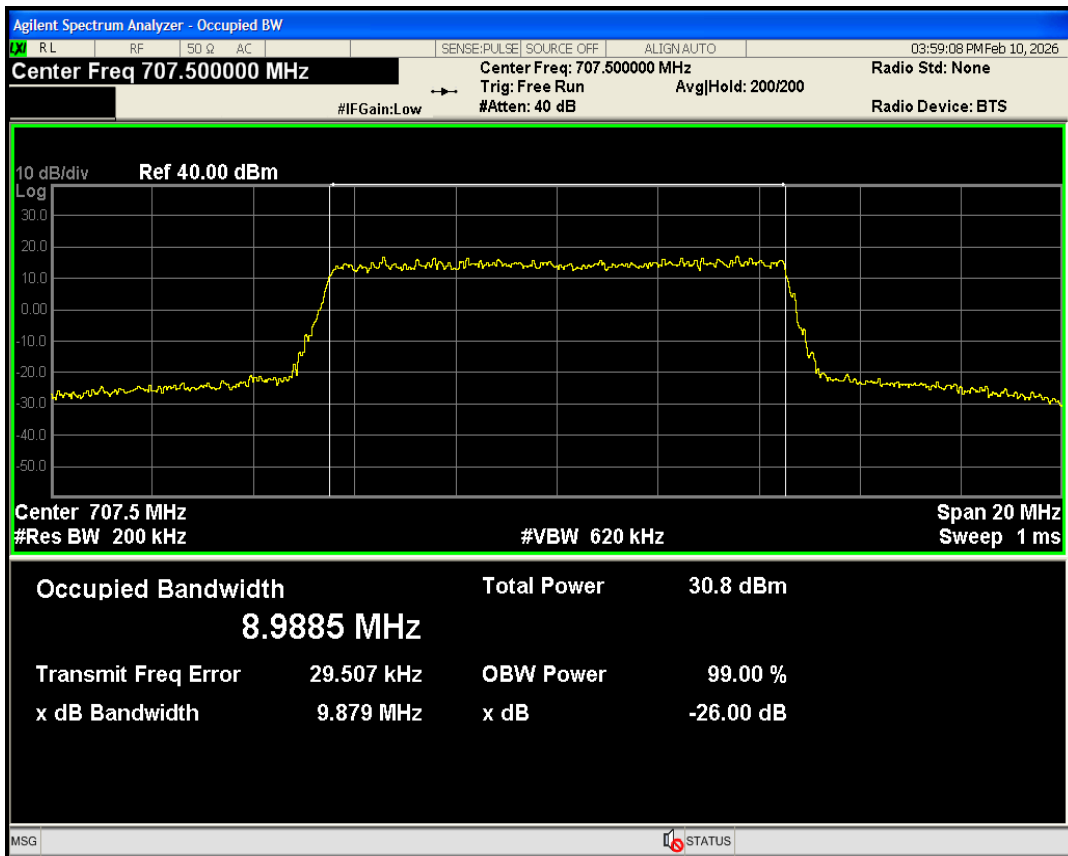
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



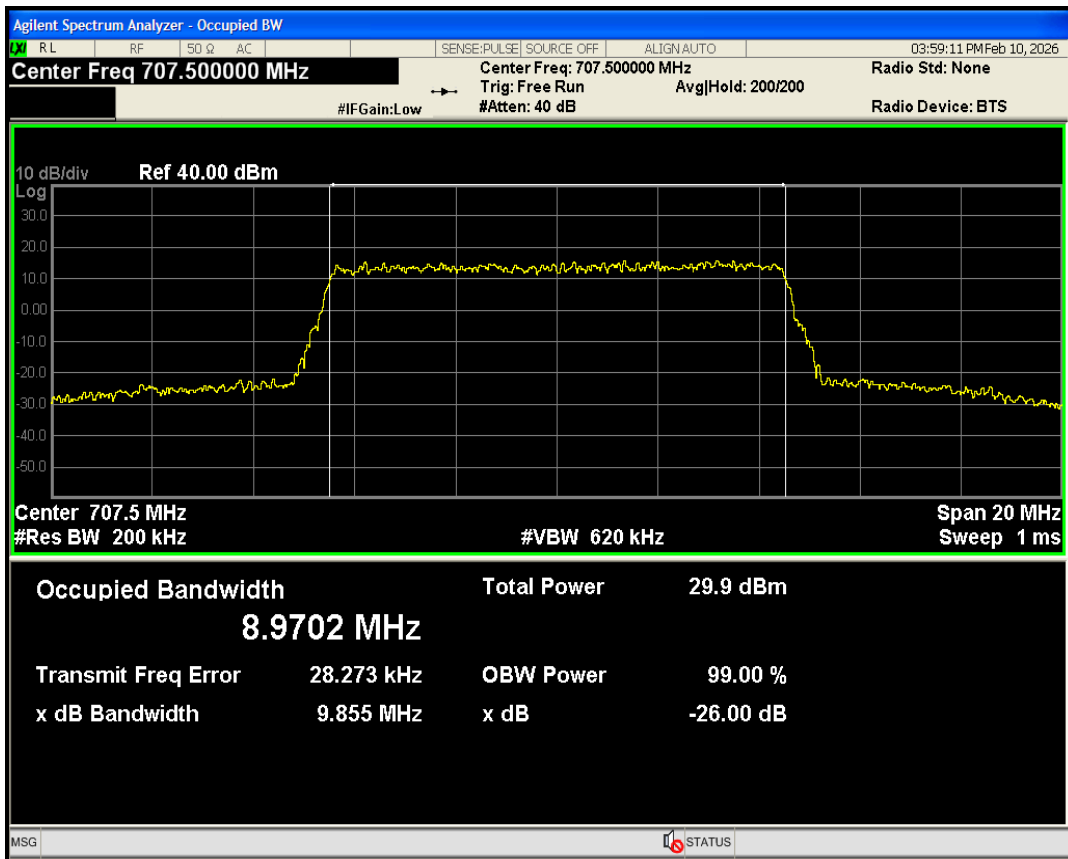
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



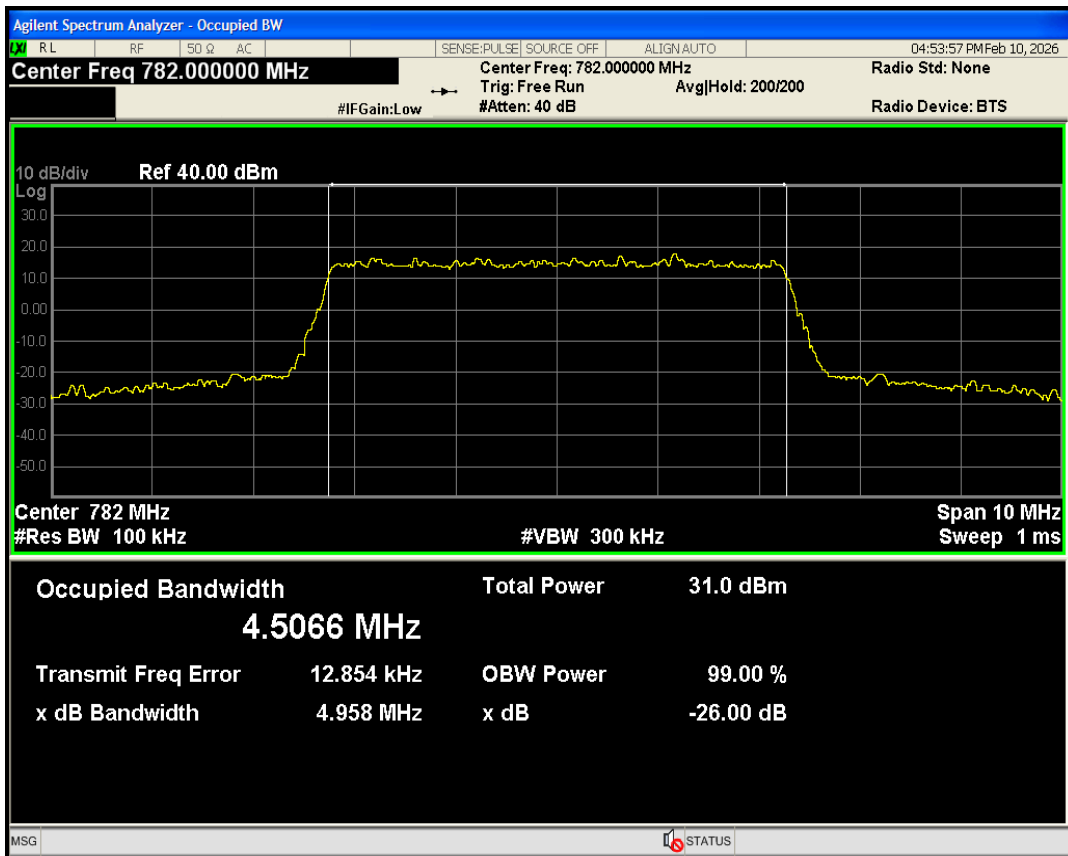
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



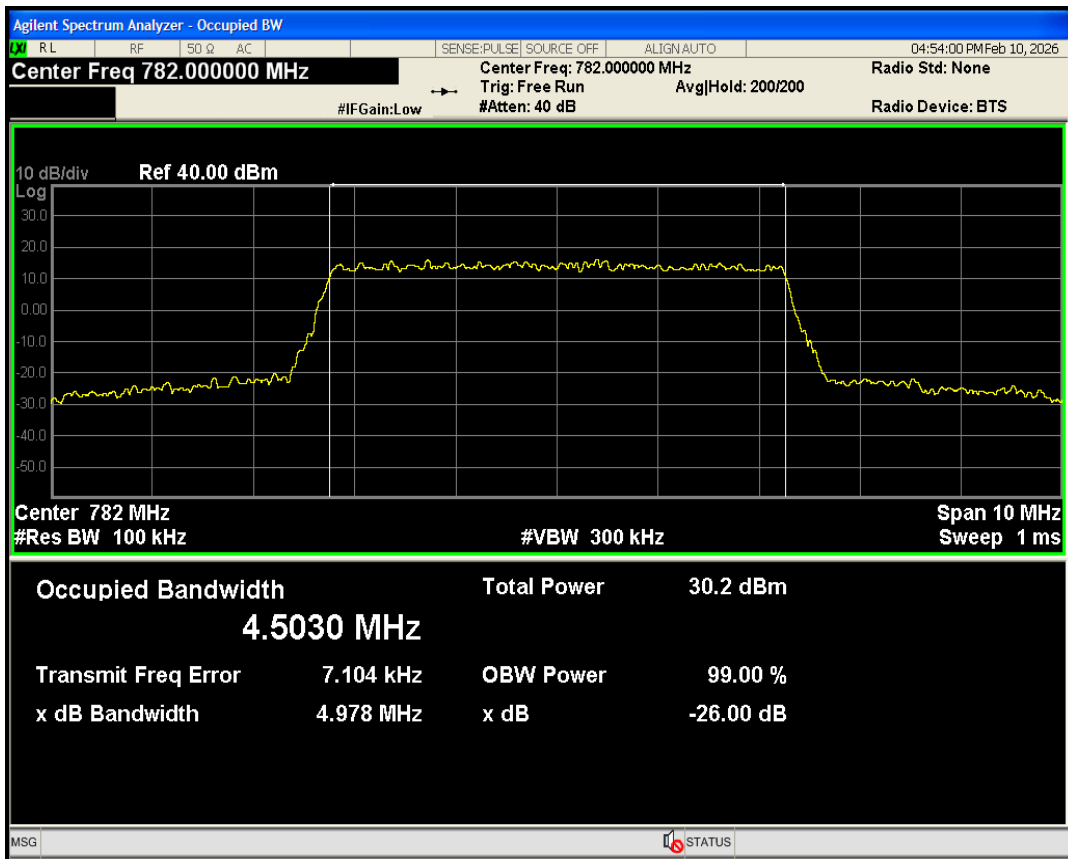
Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



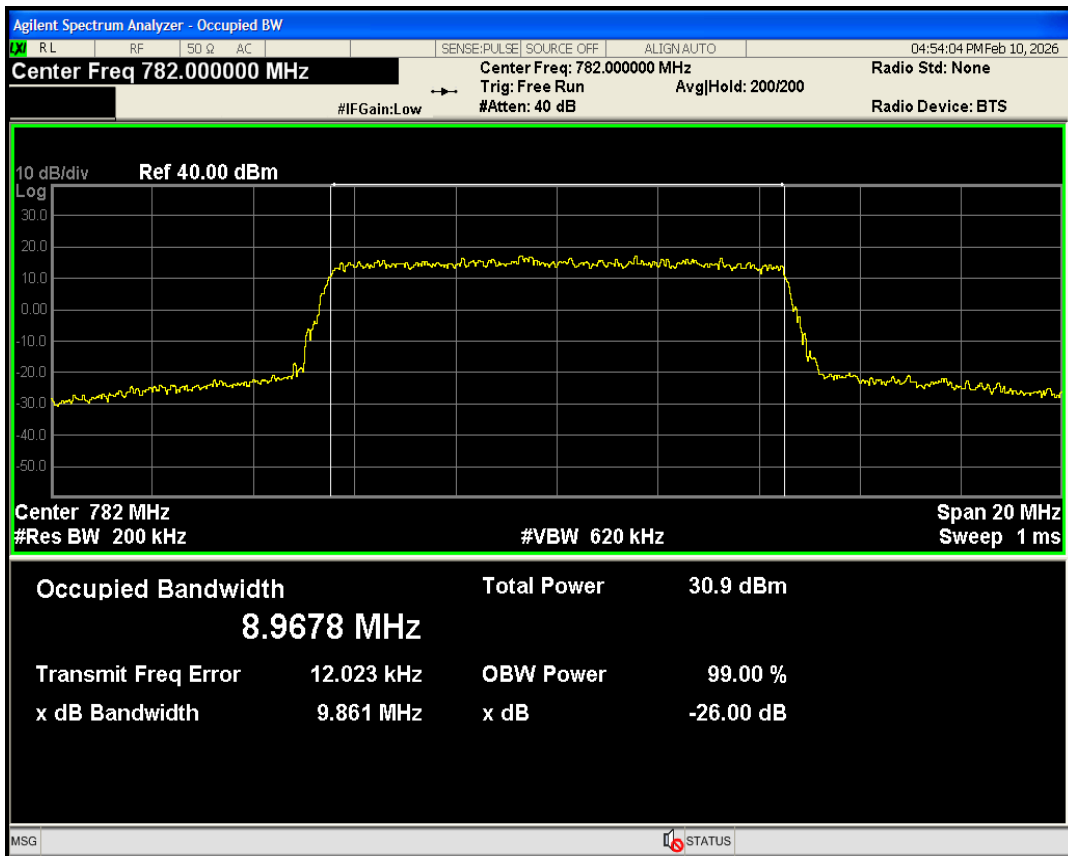
Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



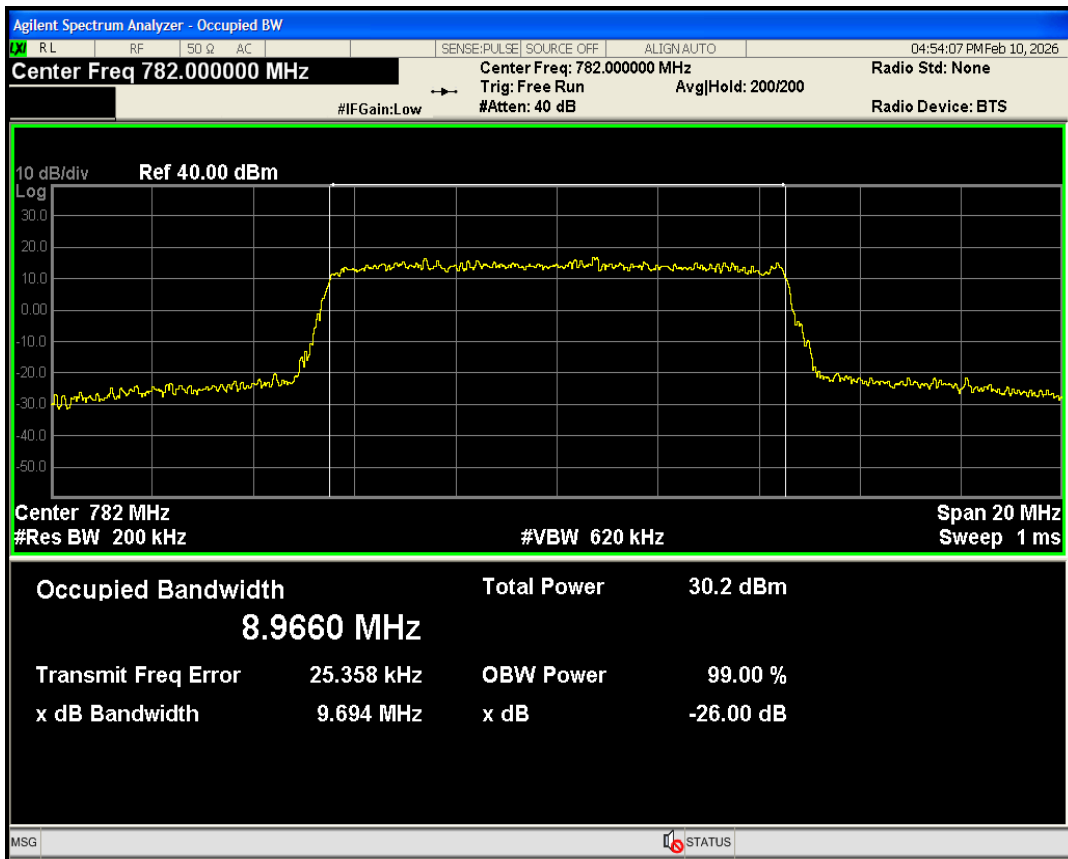
Band13 QAM16 BW=5MHz Channel=23230 RB Size=25 Position=#0



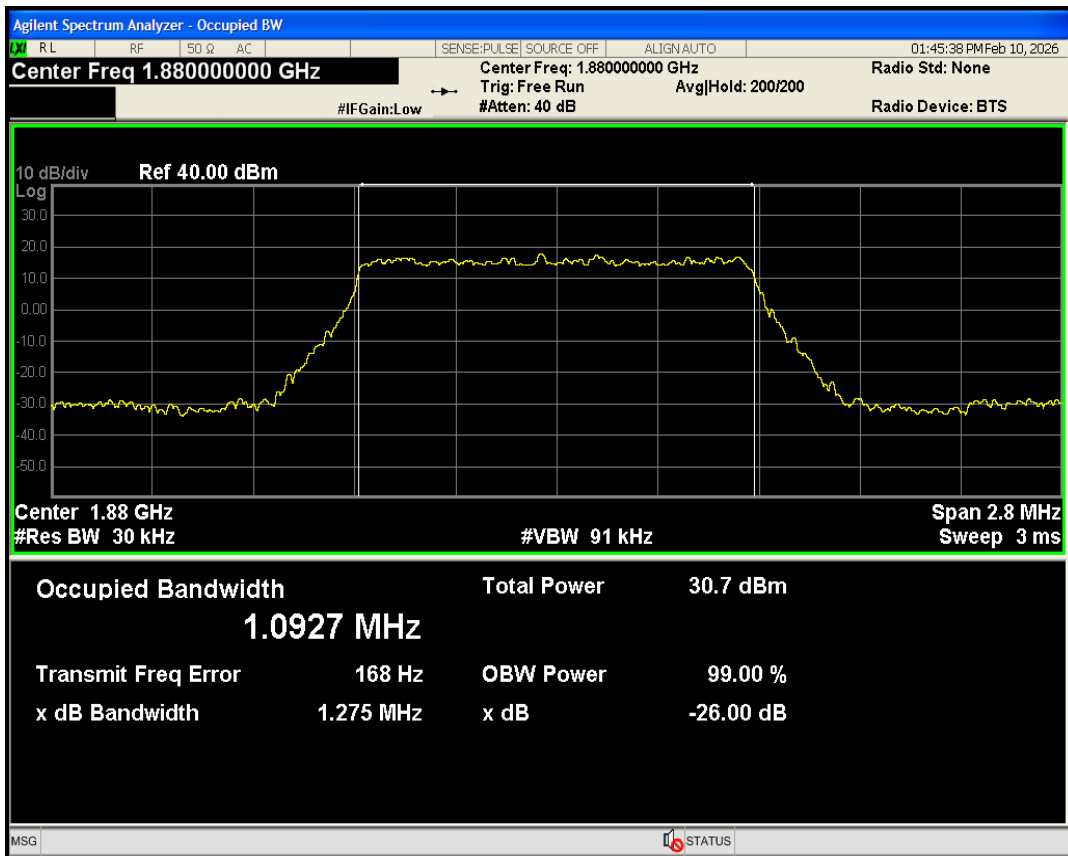
Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



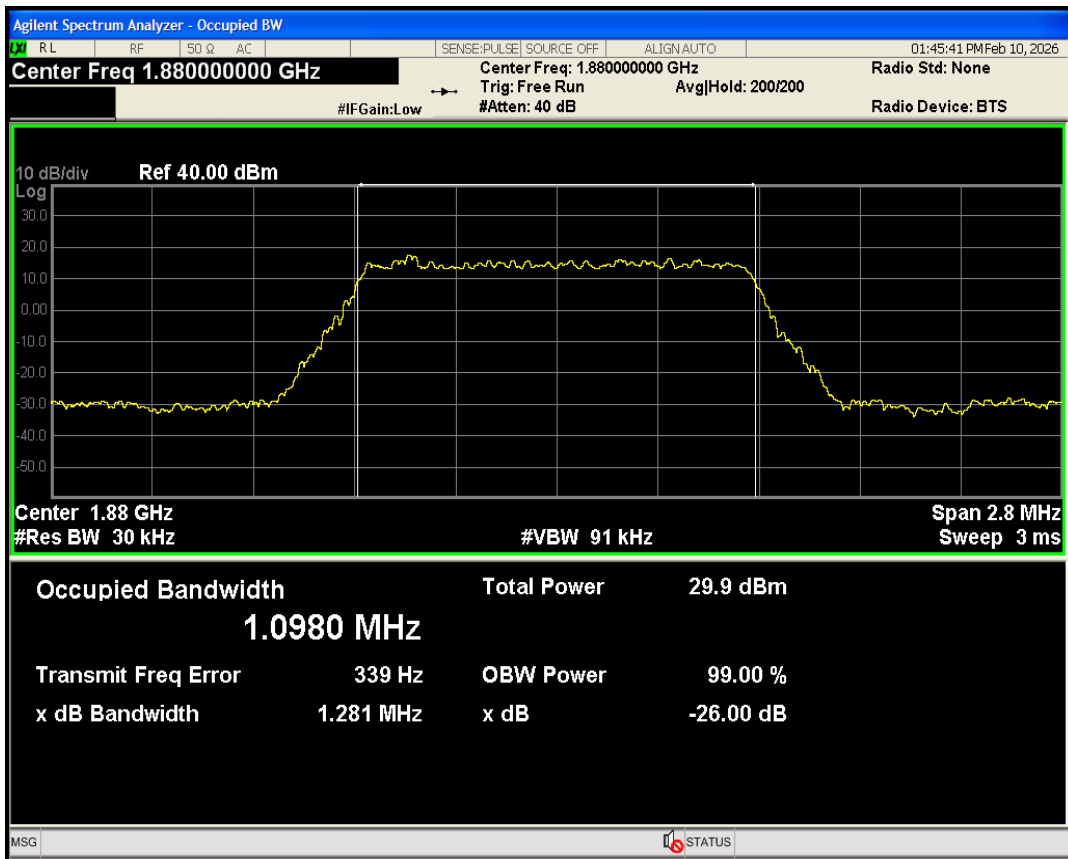
Band13 QAM16 BW=10MHz Channel=23230 RB Size=50 Position=#0



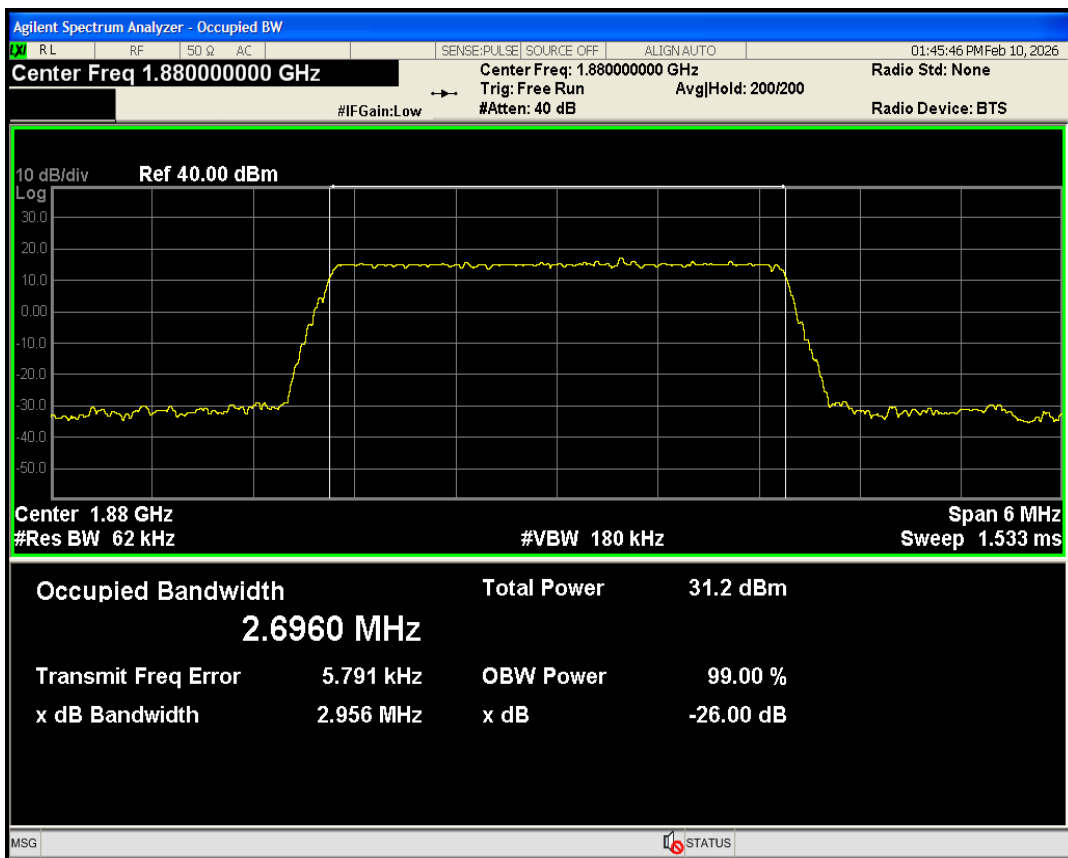
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



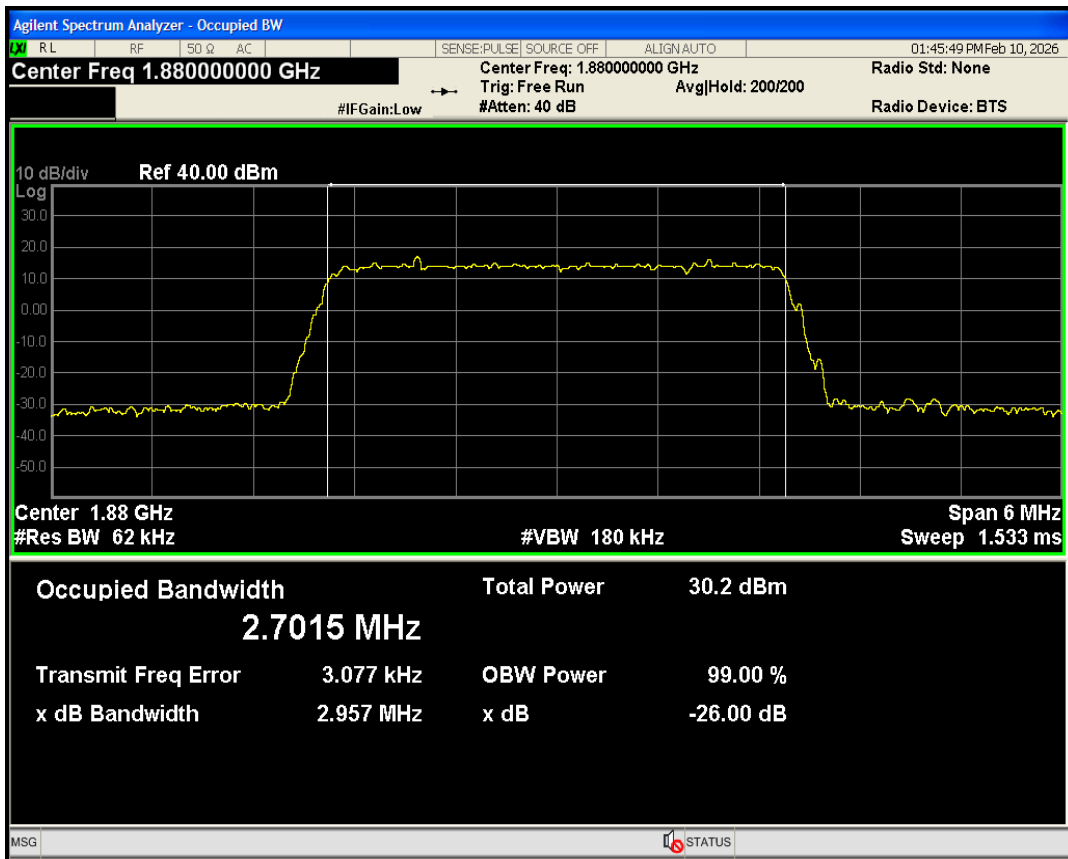
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=6 Position=#0



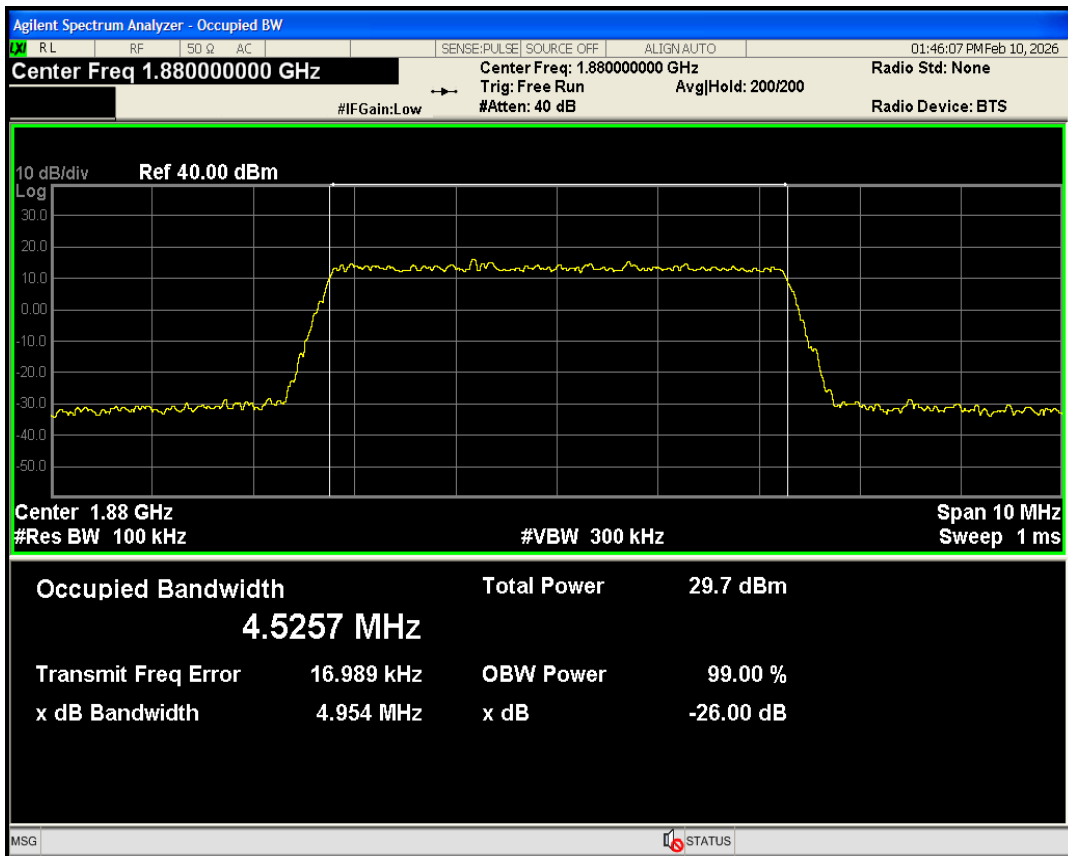
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



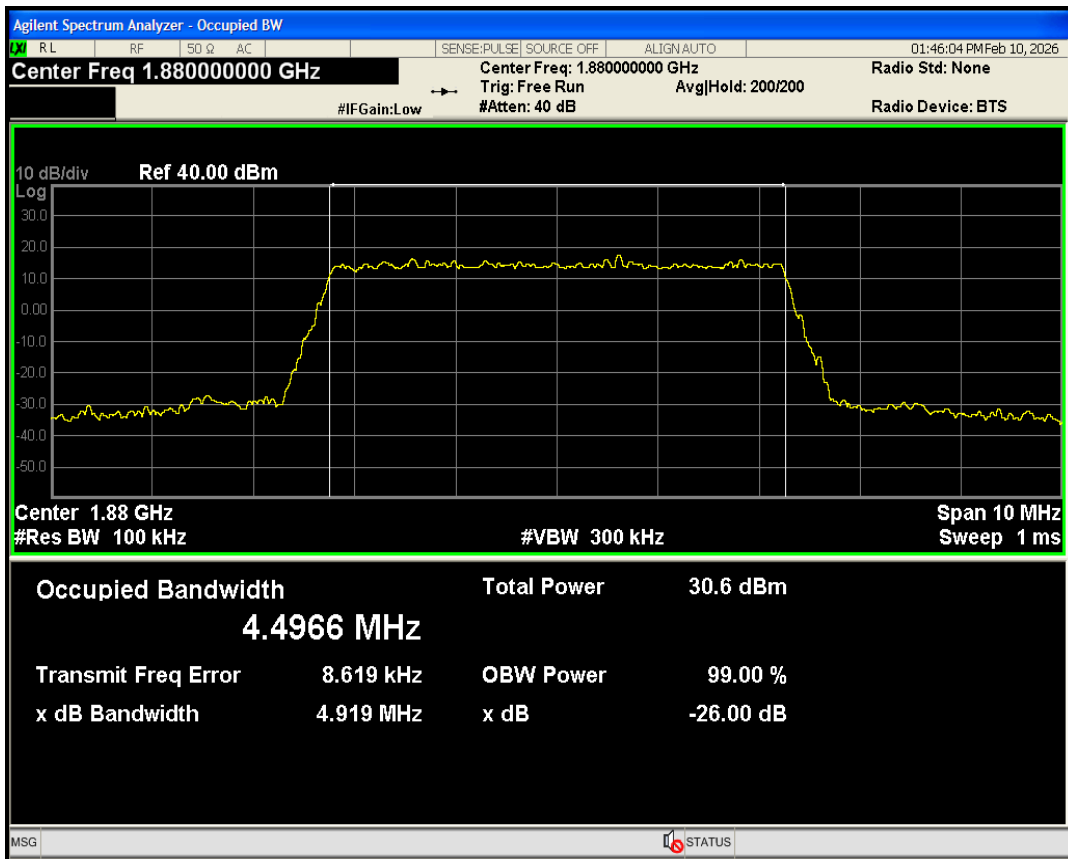
Band2 QAM16 BW=3MHz Channel=18900 RB Size=15 Position=#0



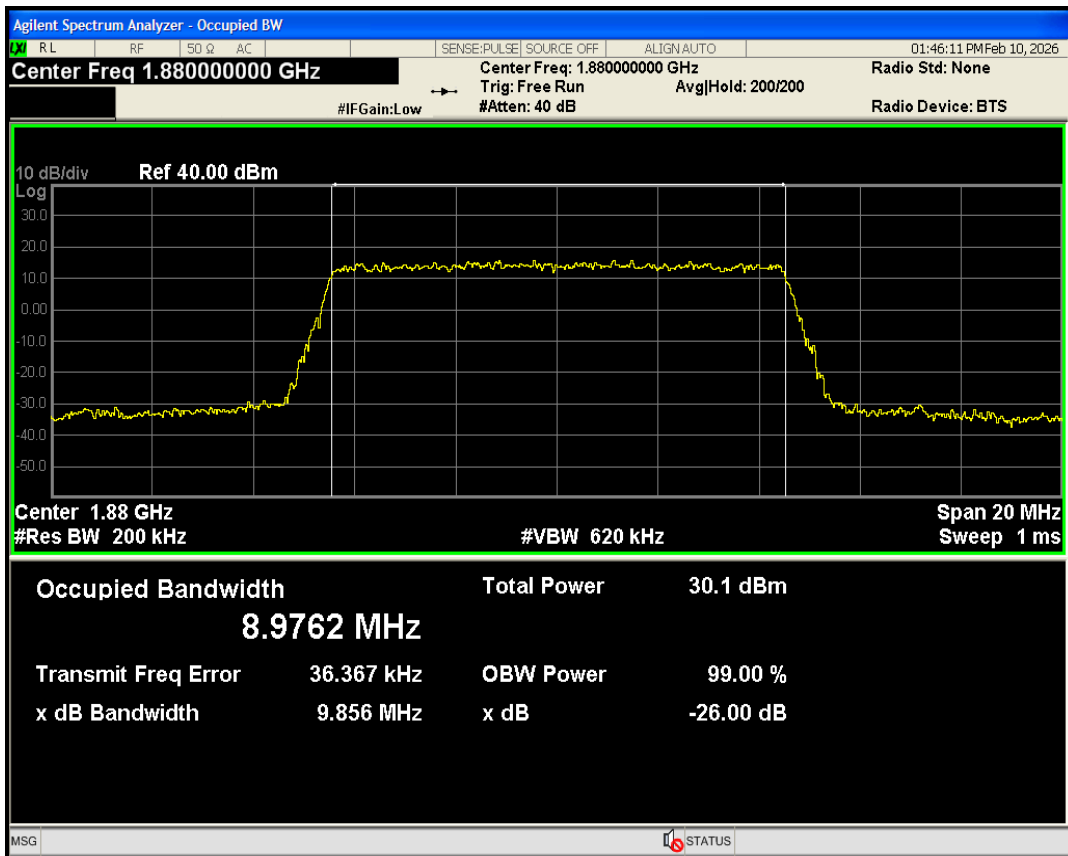
Band2 QAM16 BW=5MHz Channel=18900 RB Size=25 Position=#0



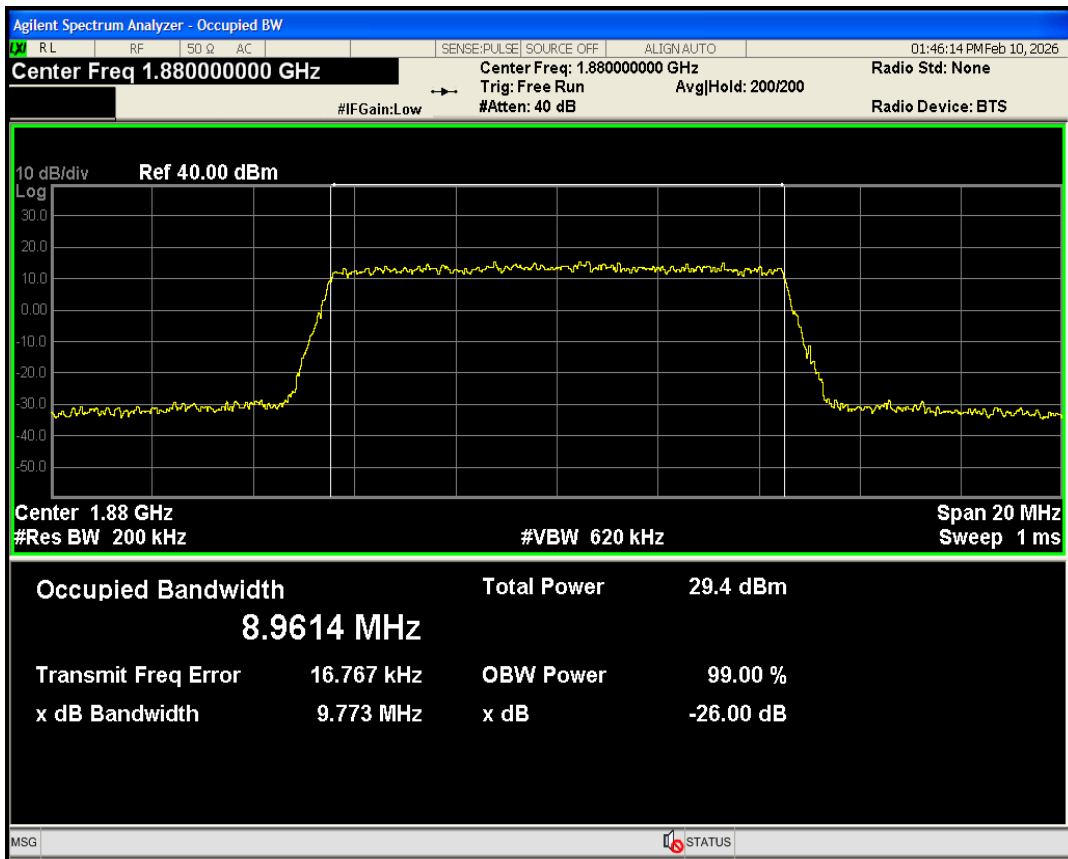
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



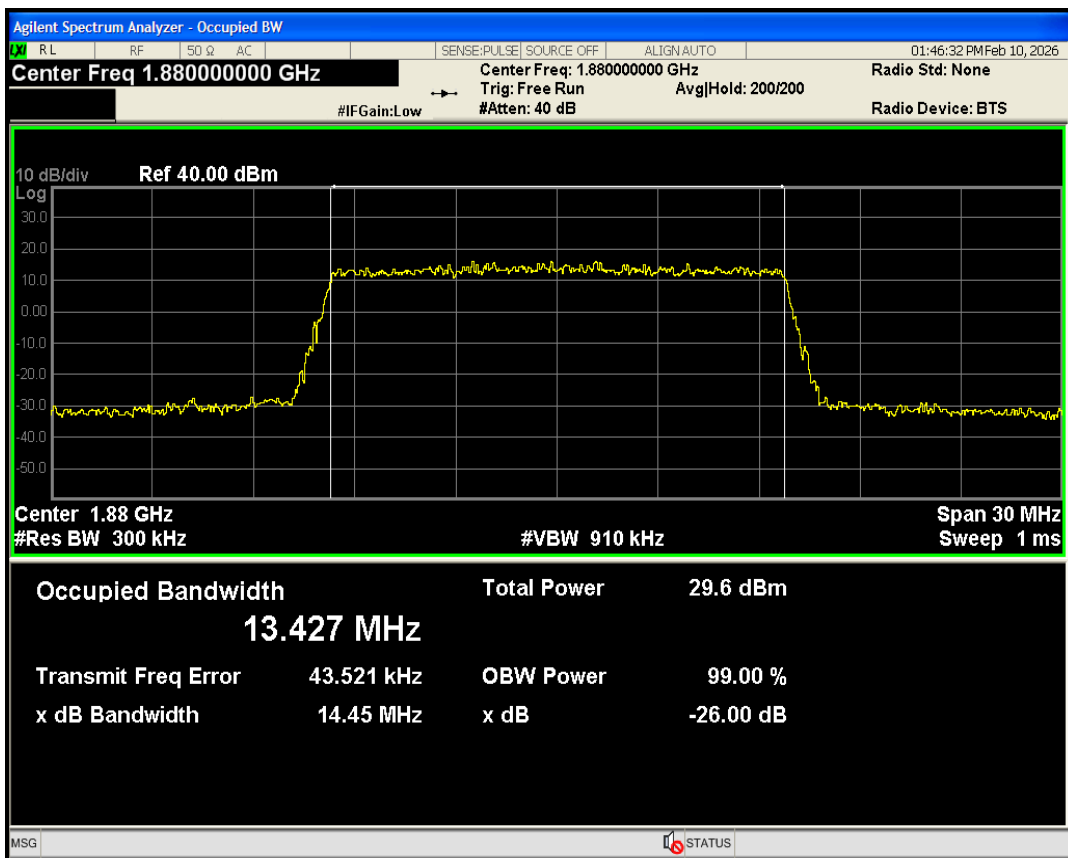
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



Band2 QAM16 BW=10MHz Channel=18900 RB Size=50 Position=#0

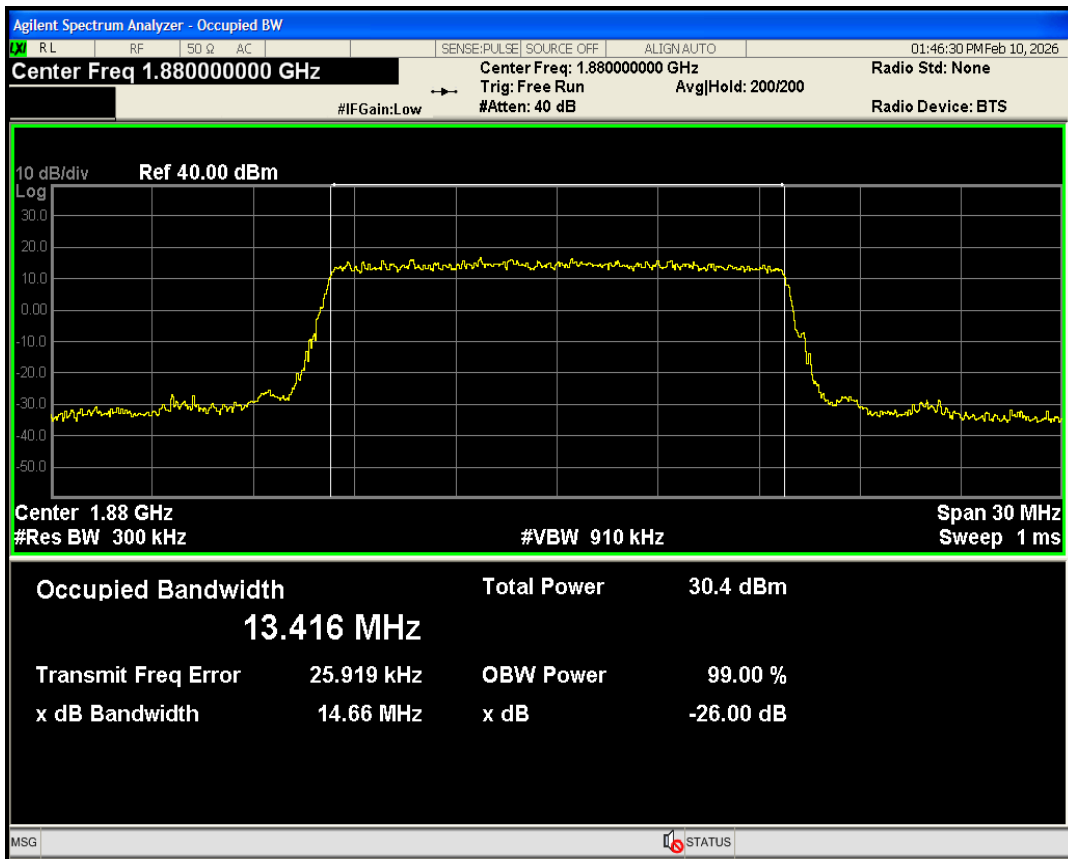


Band2 QAM16 BW=15MHz Channel=18900 RB Size=75 Position=#0

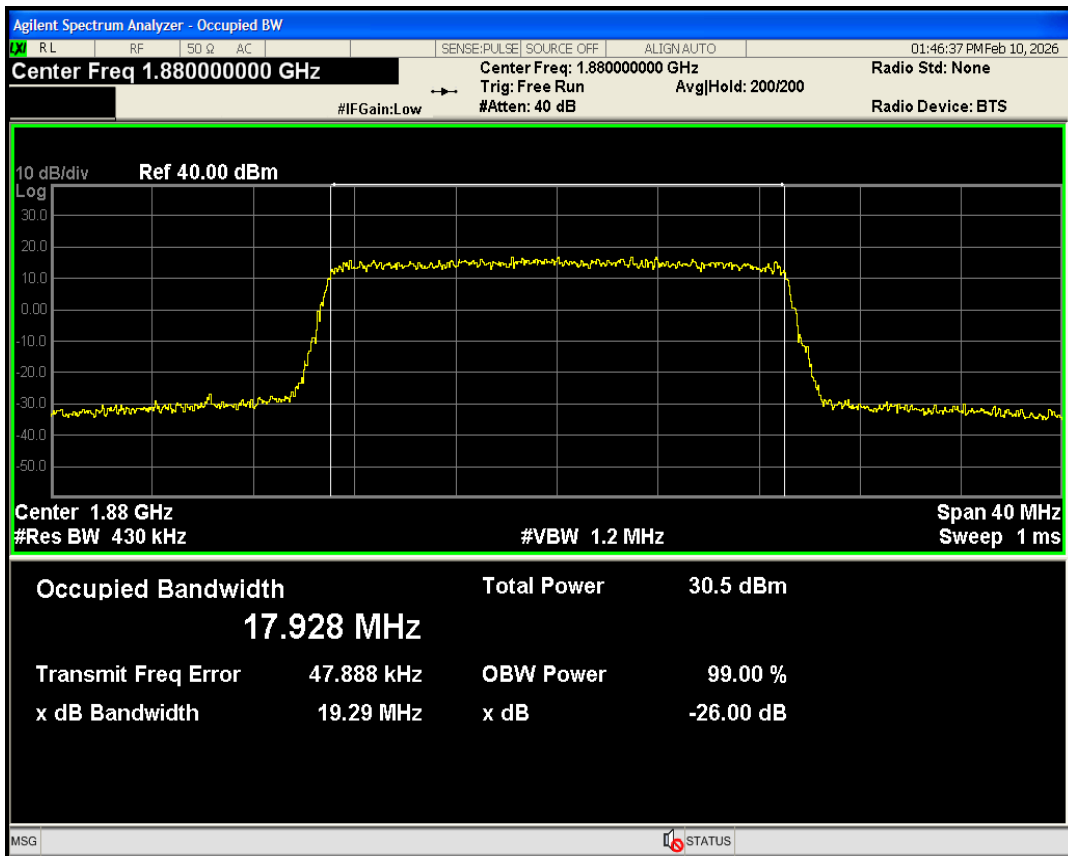


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

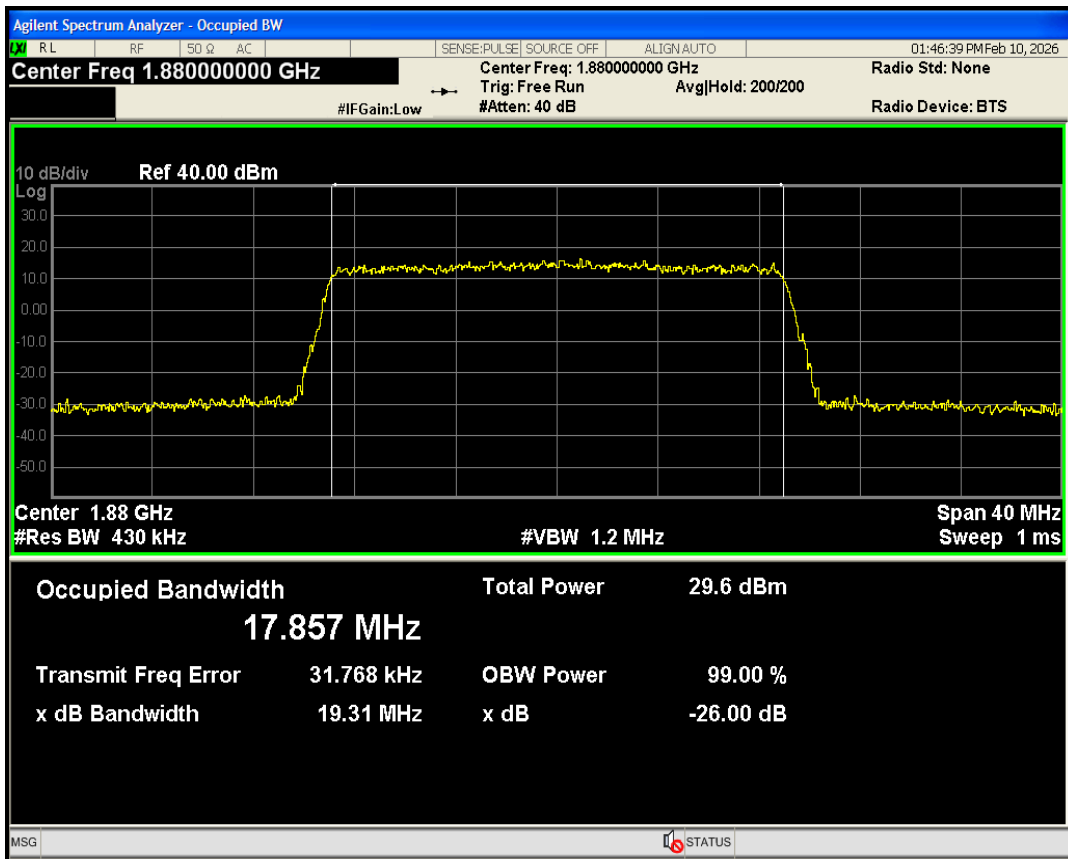
## Report



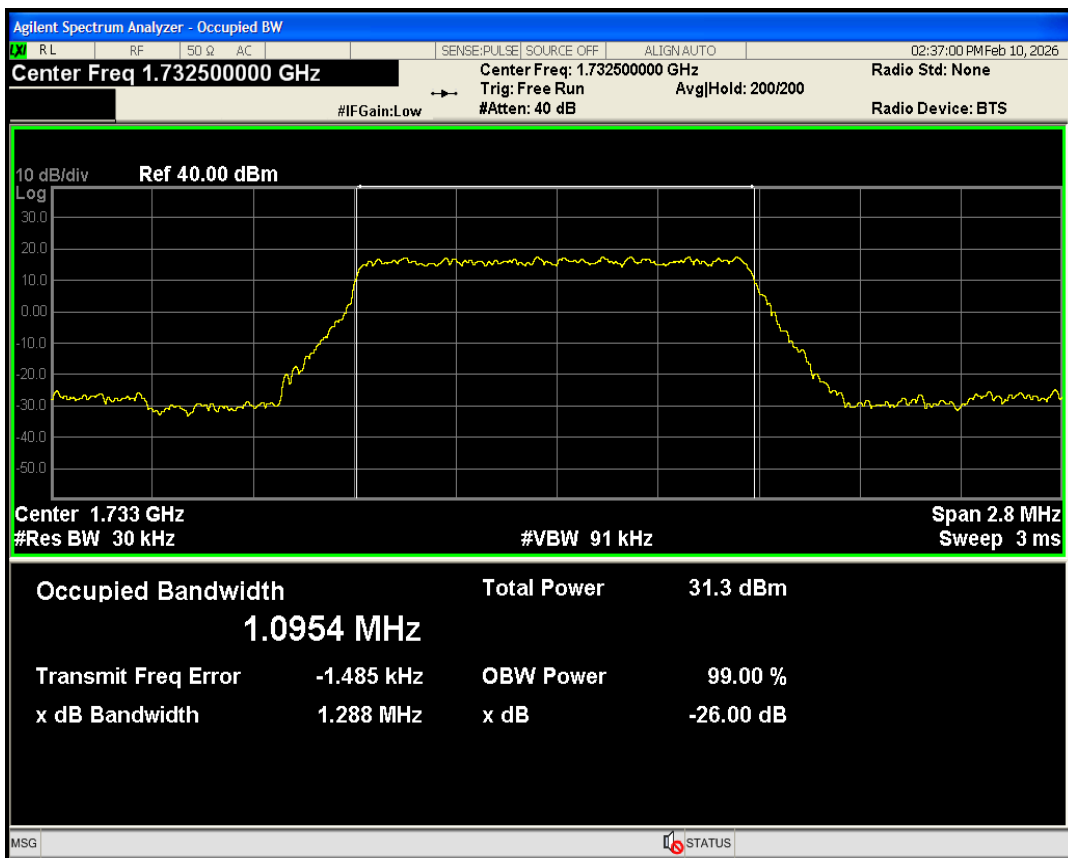
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



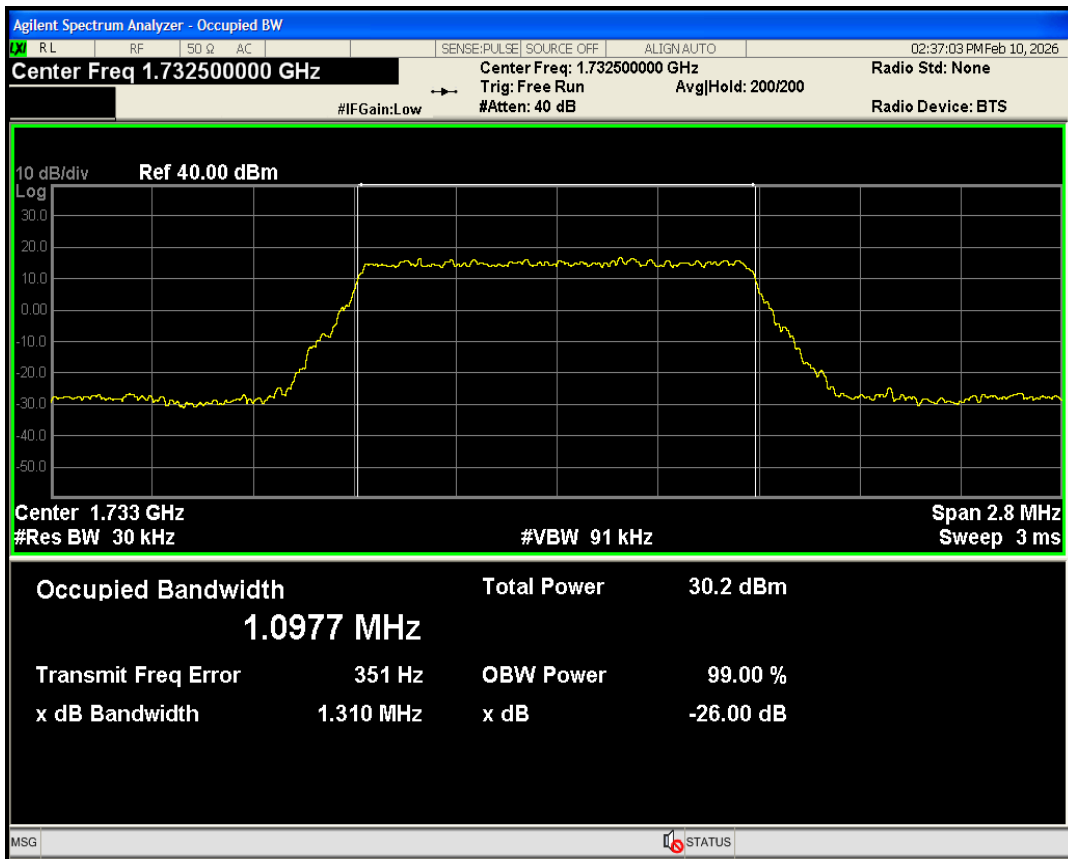
Band2 QAM16 BW=20MHz Channel=18900 RB Size=100 Position=#0



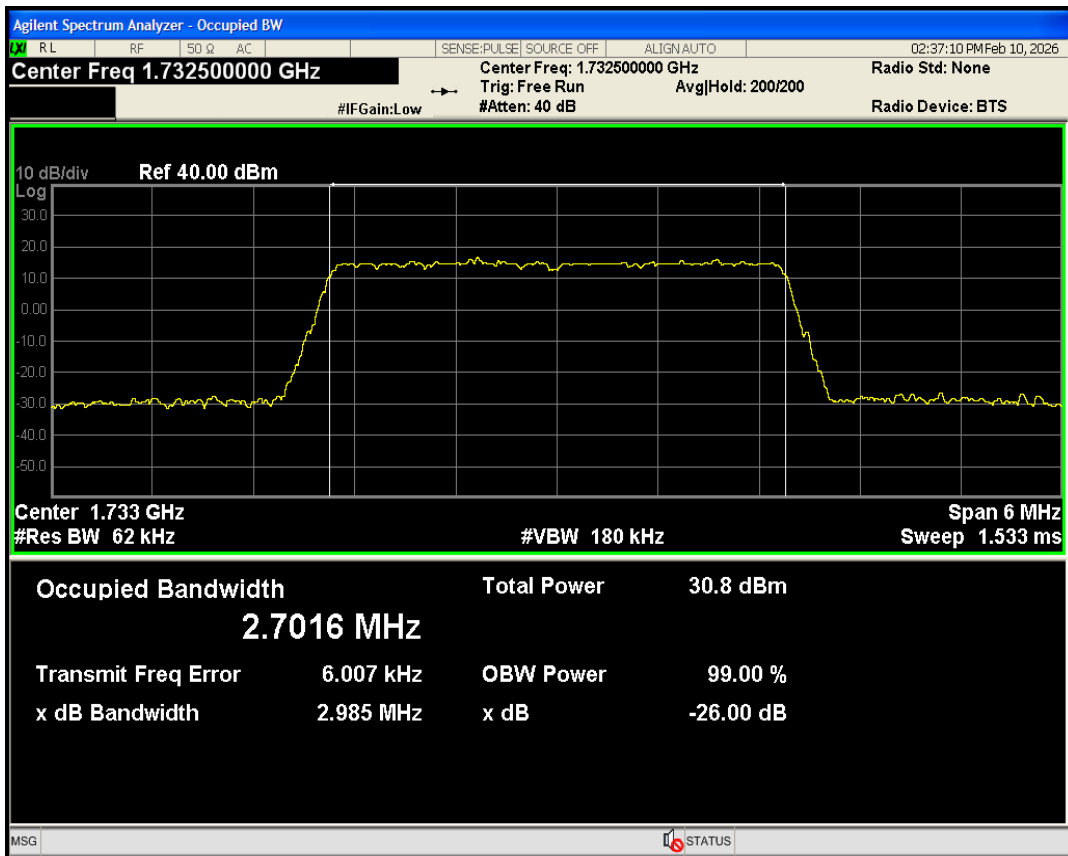
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



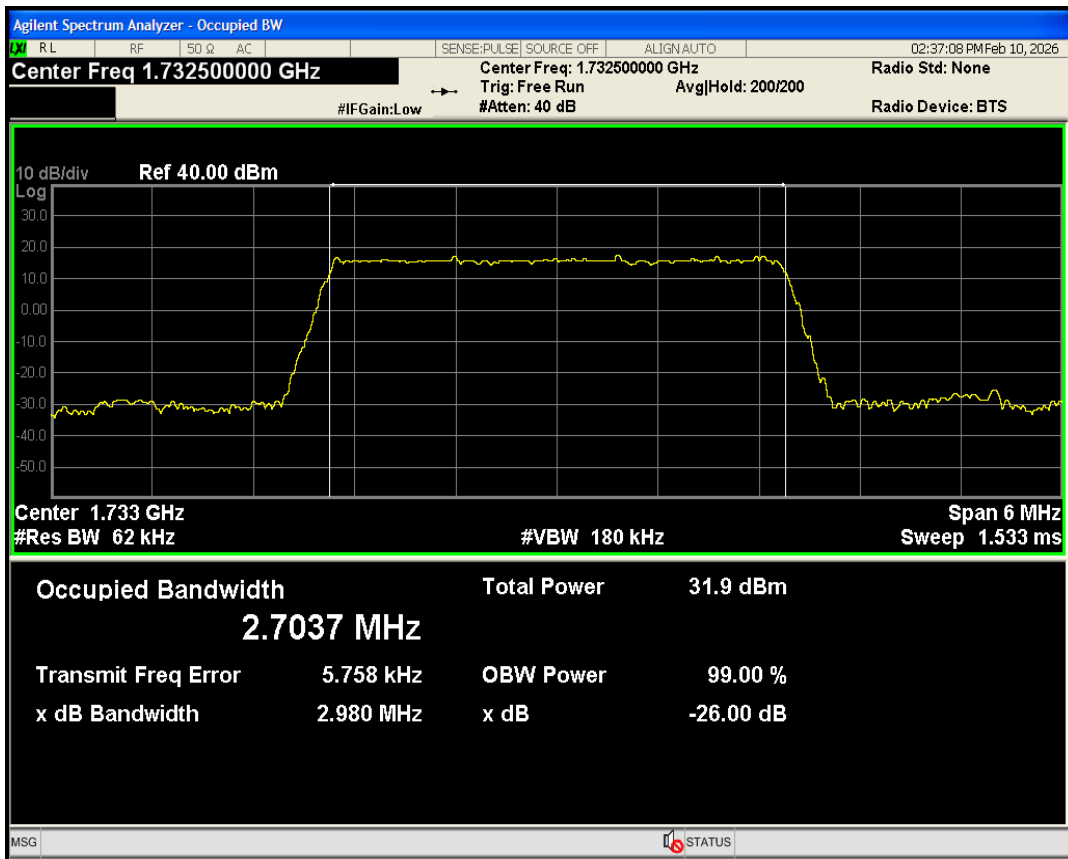
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



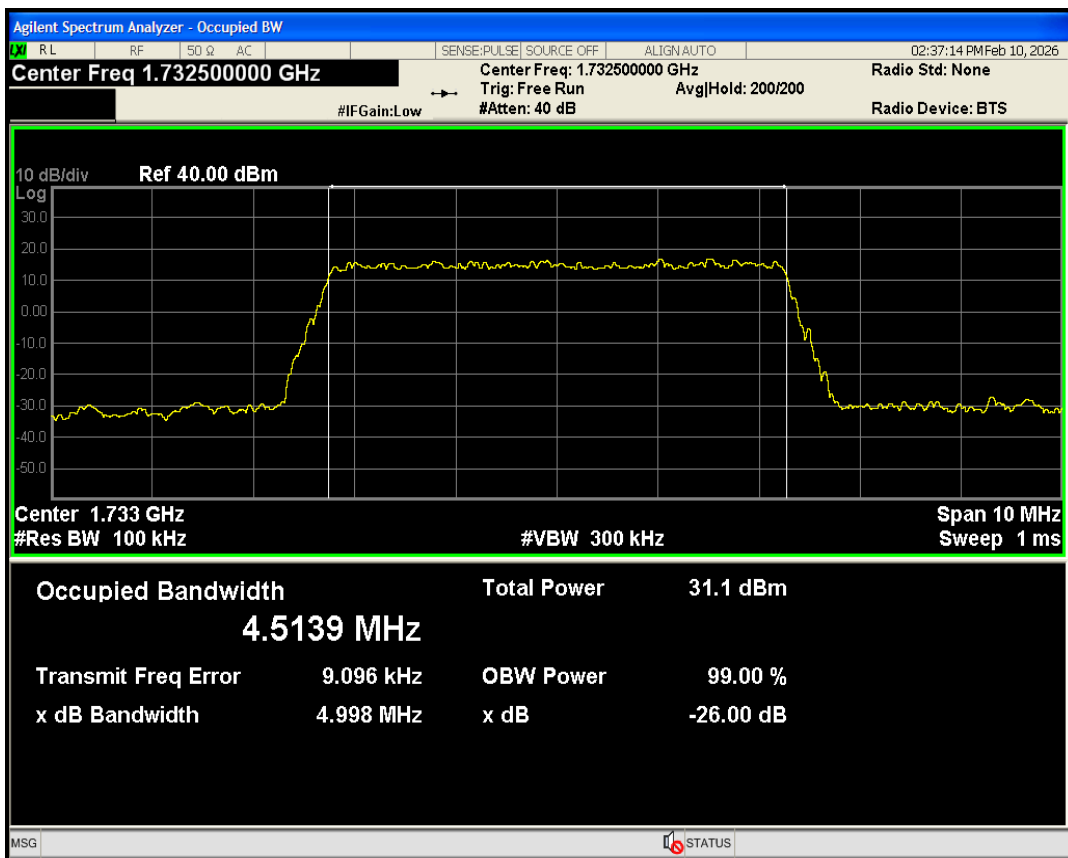
Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



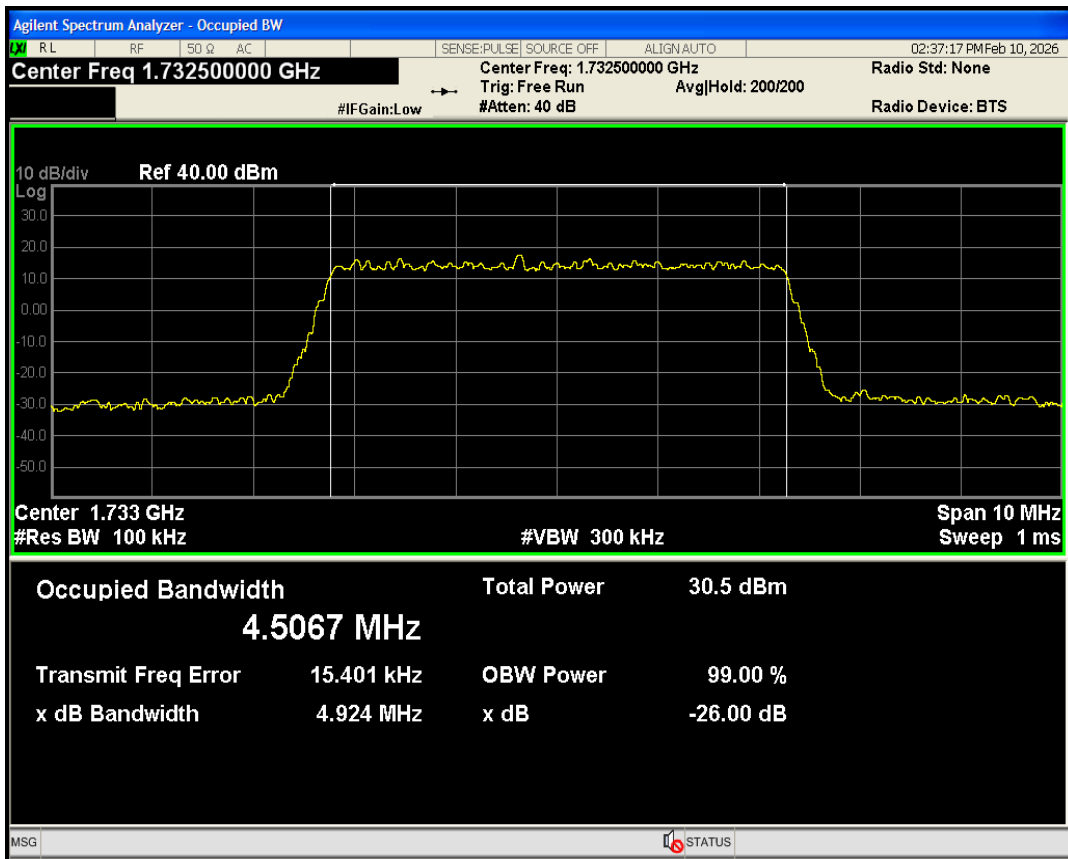
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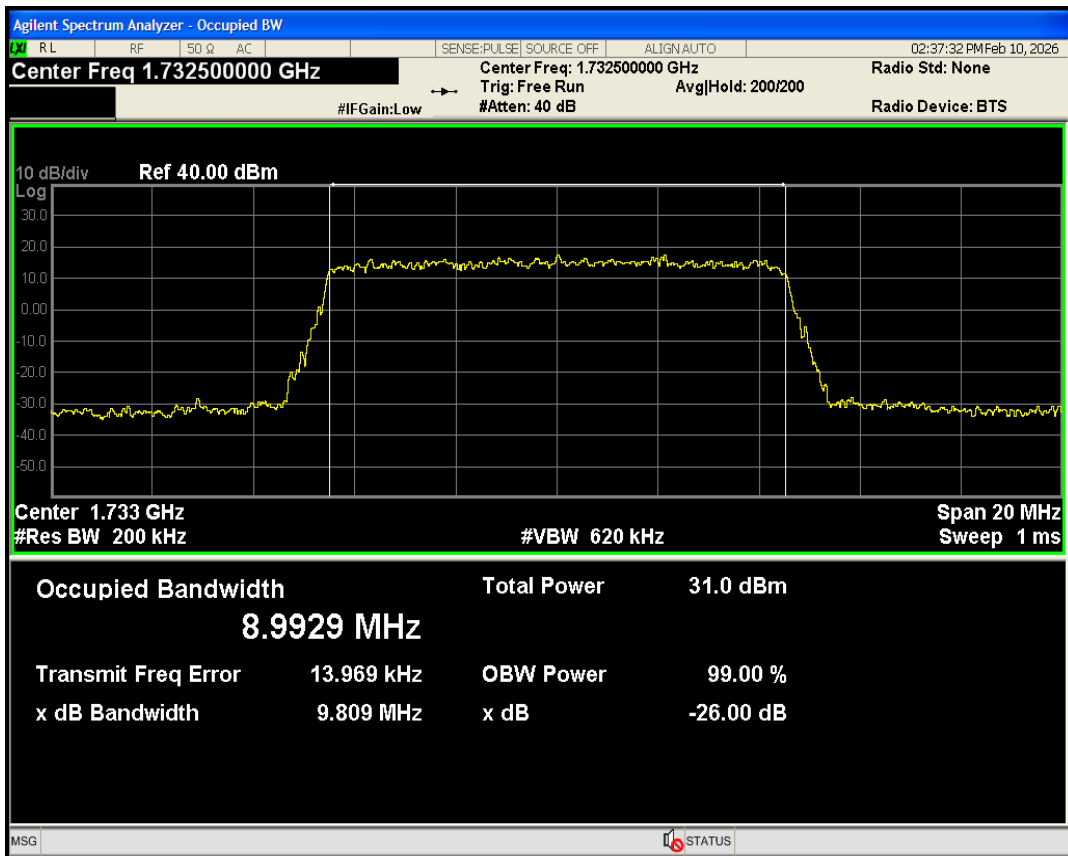
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



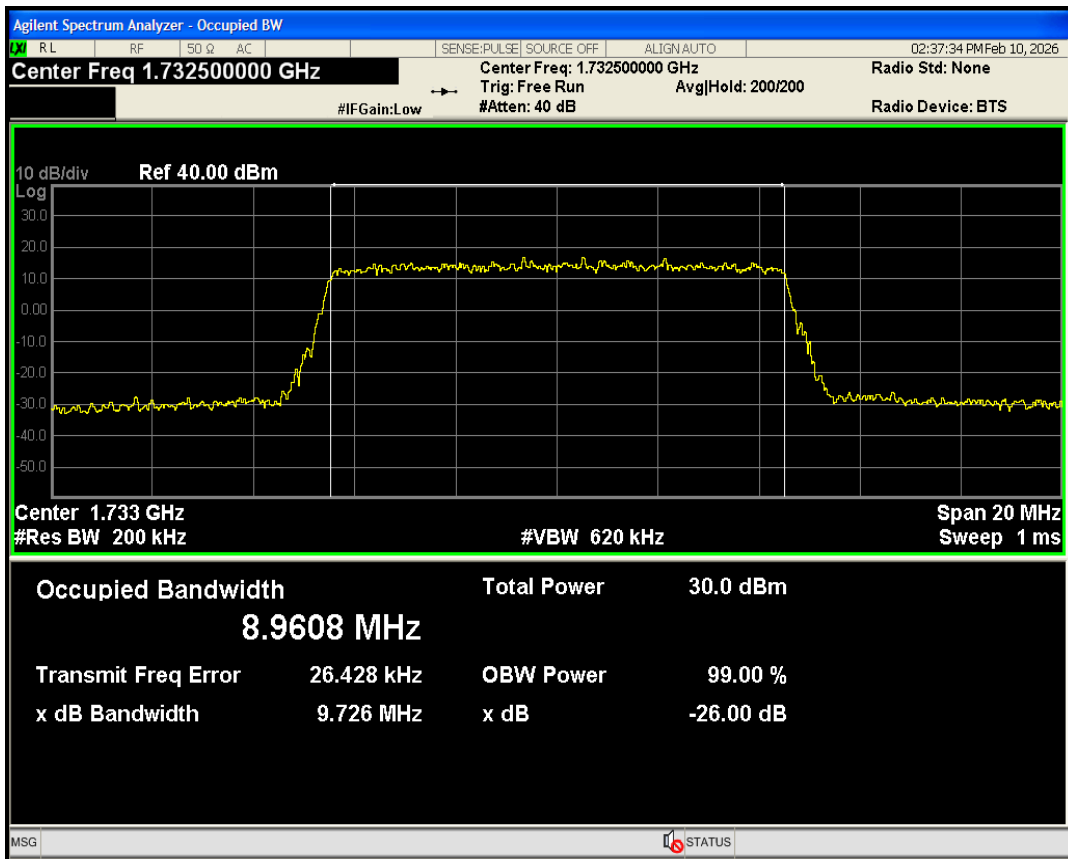
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



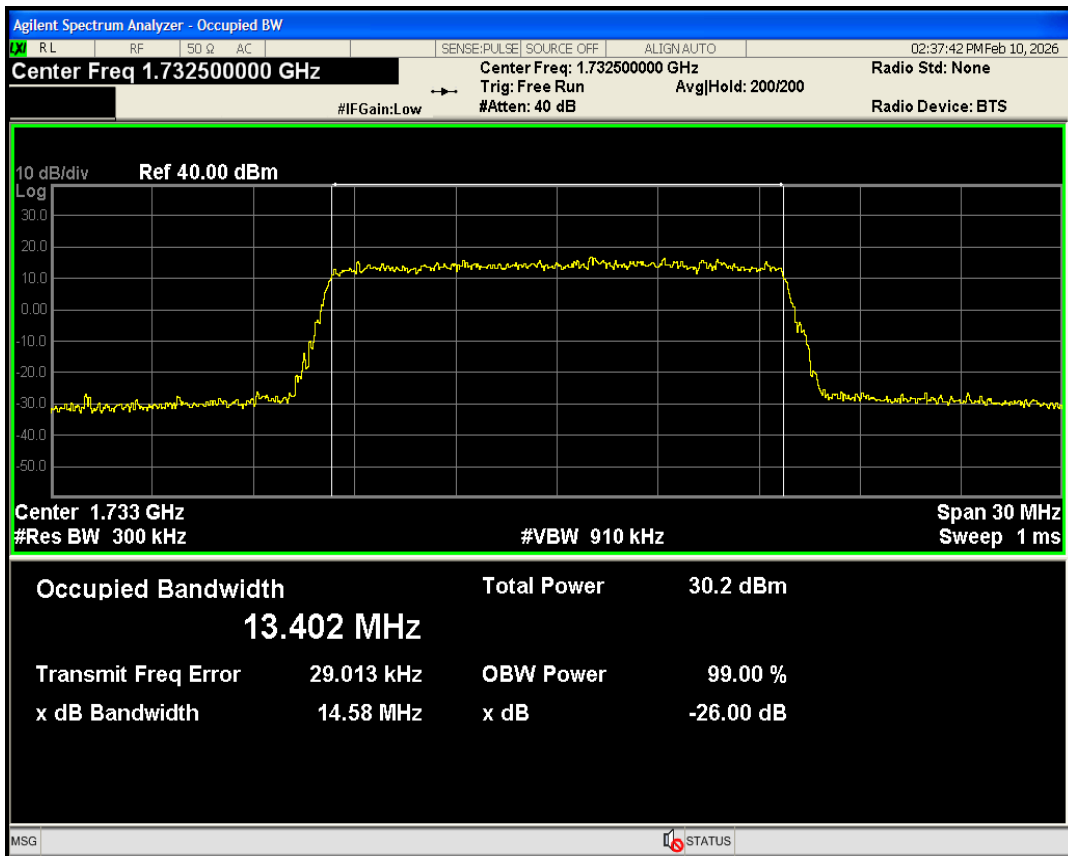
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



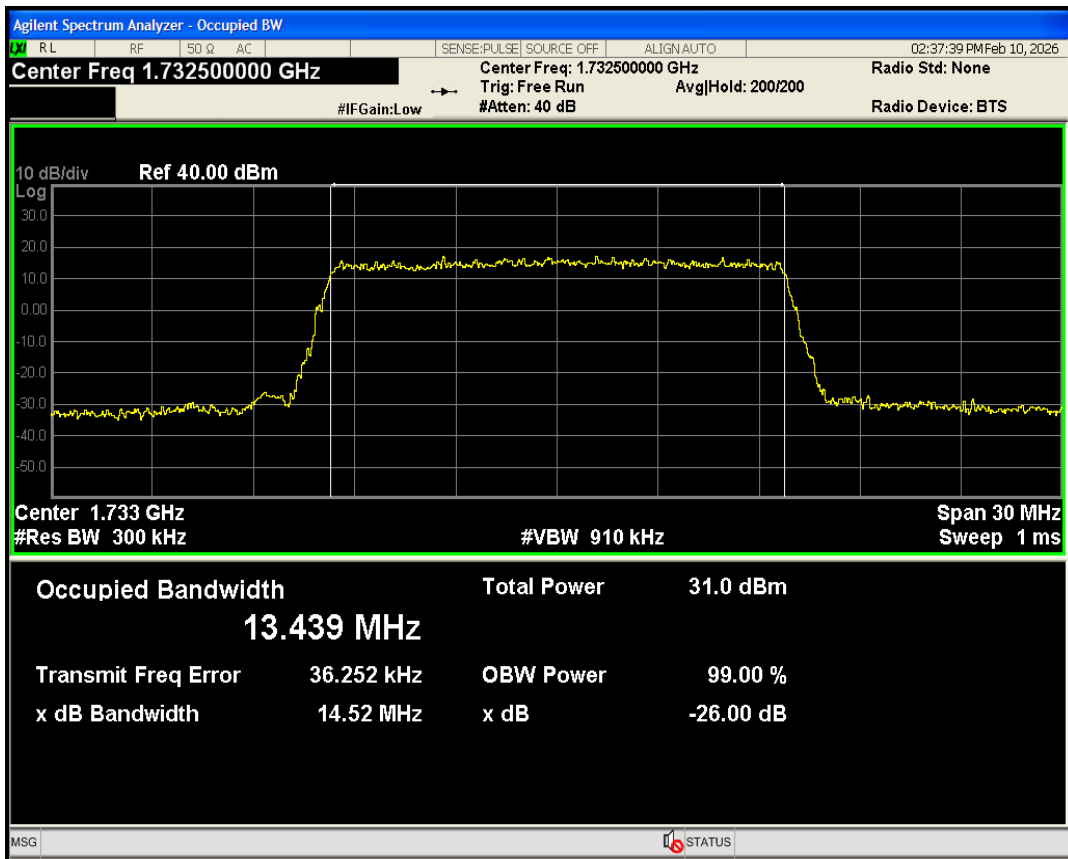
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



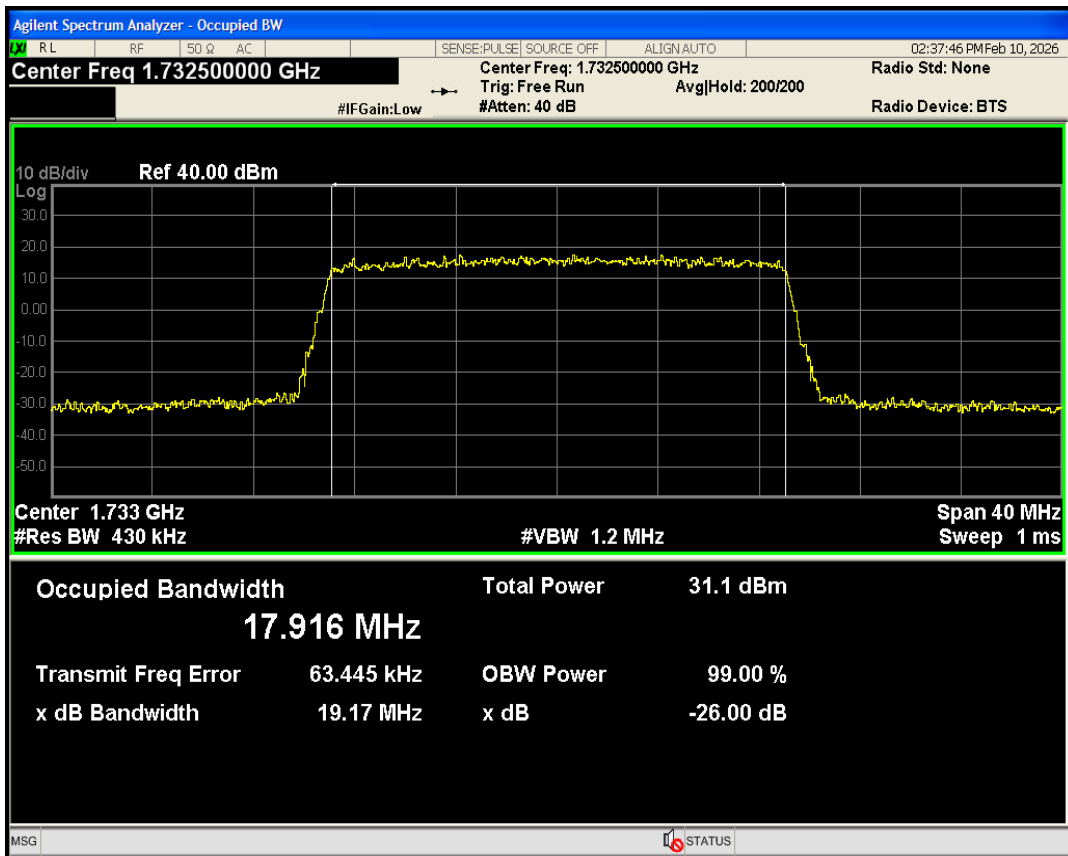
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



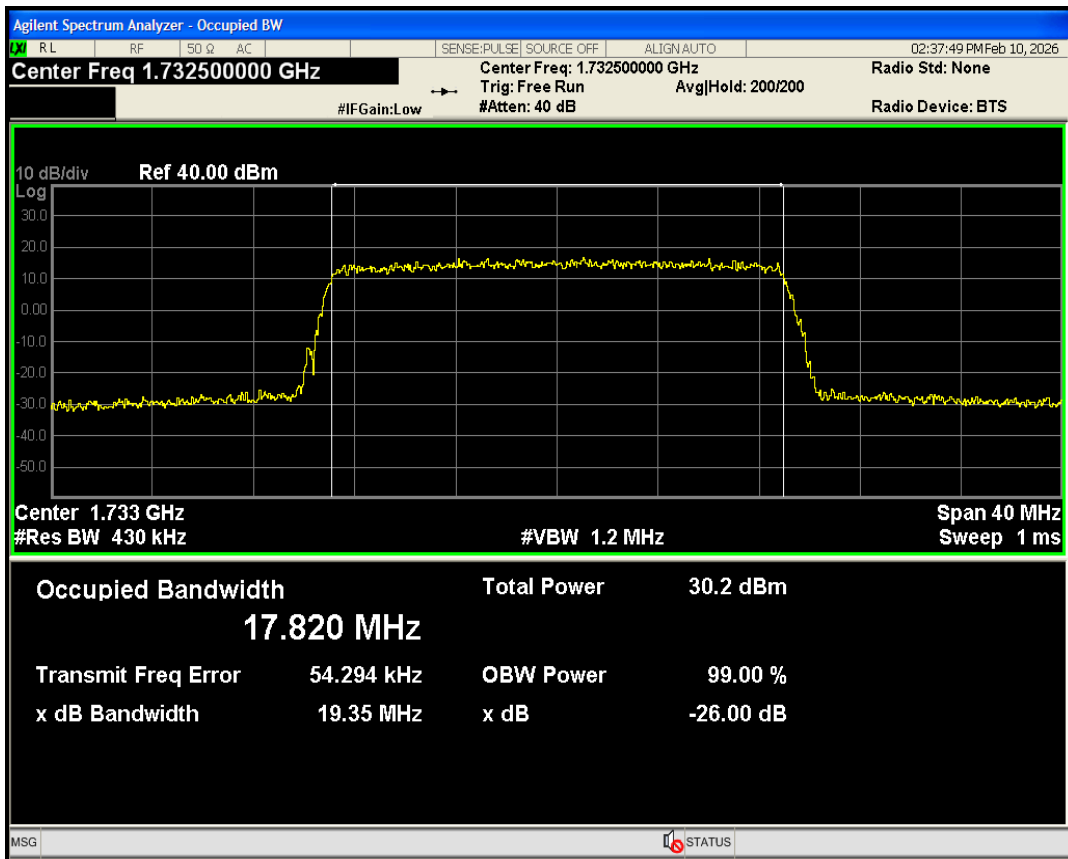
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



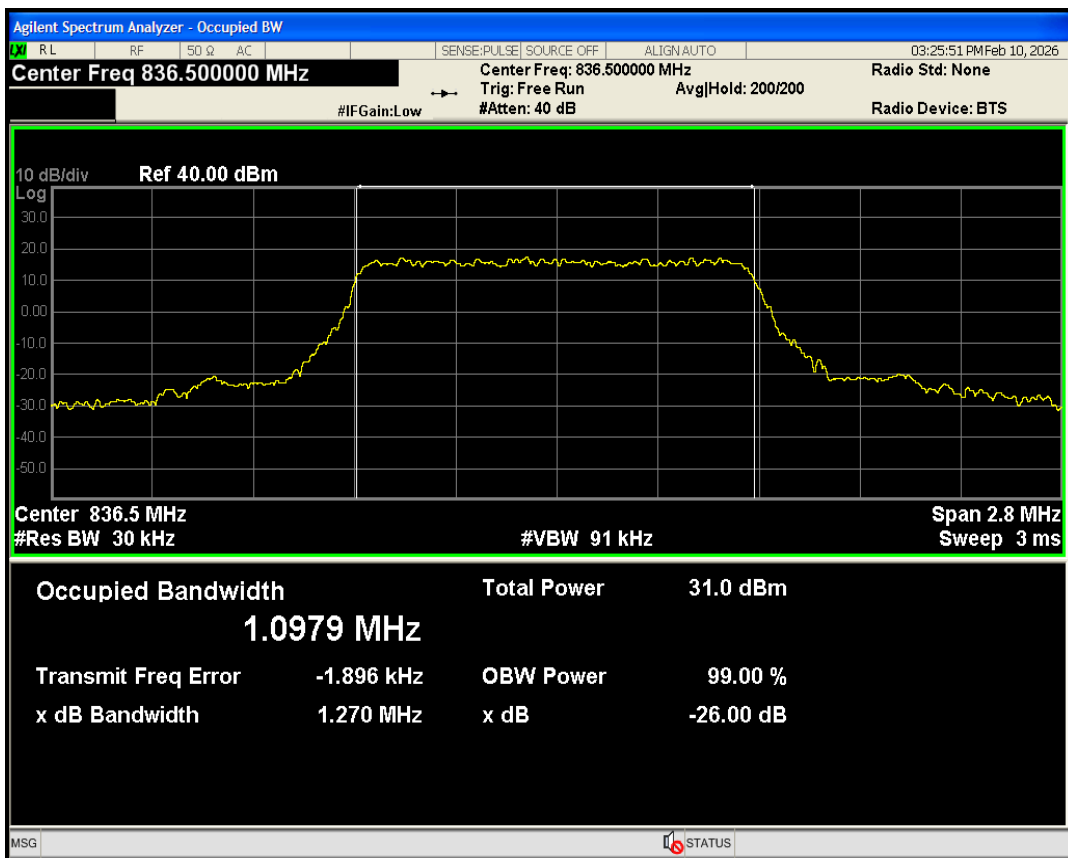
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



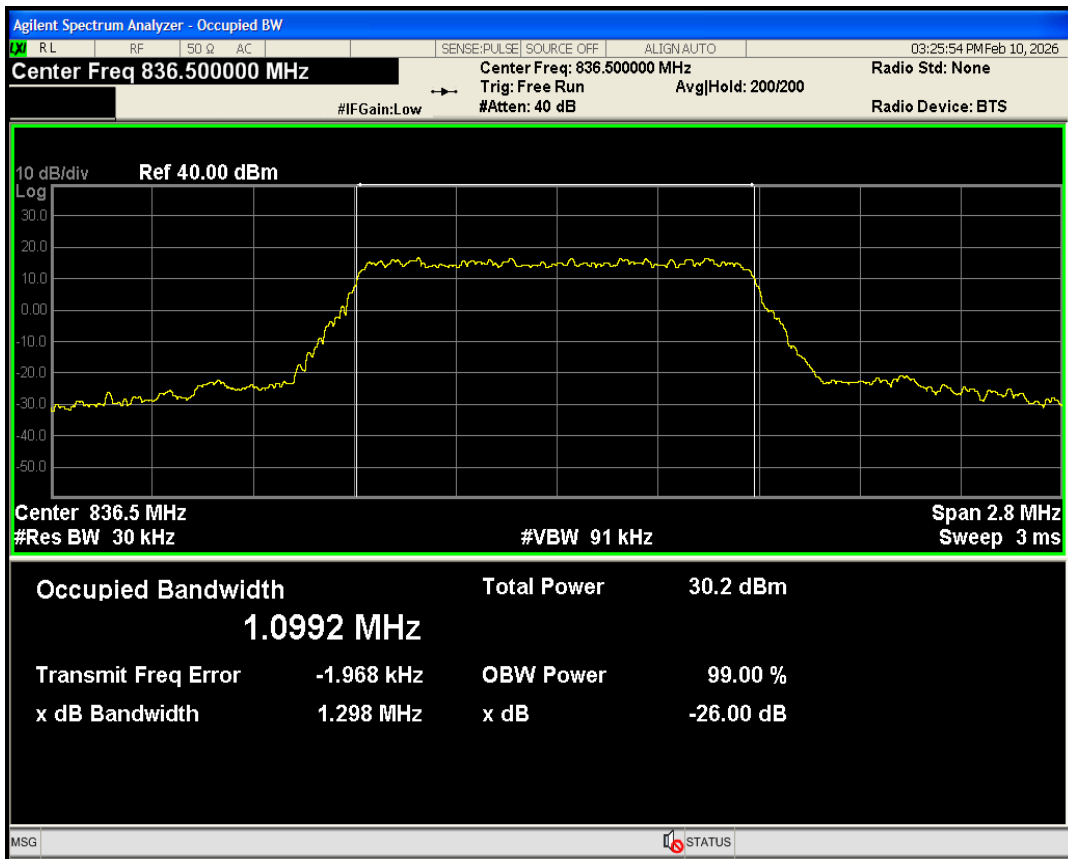
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



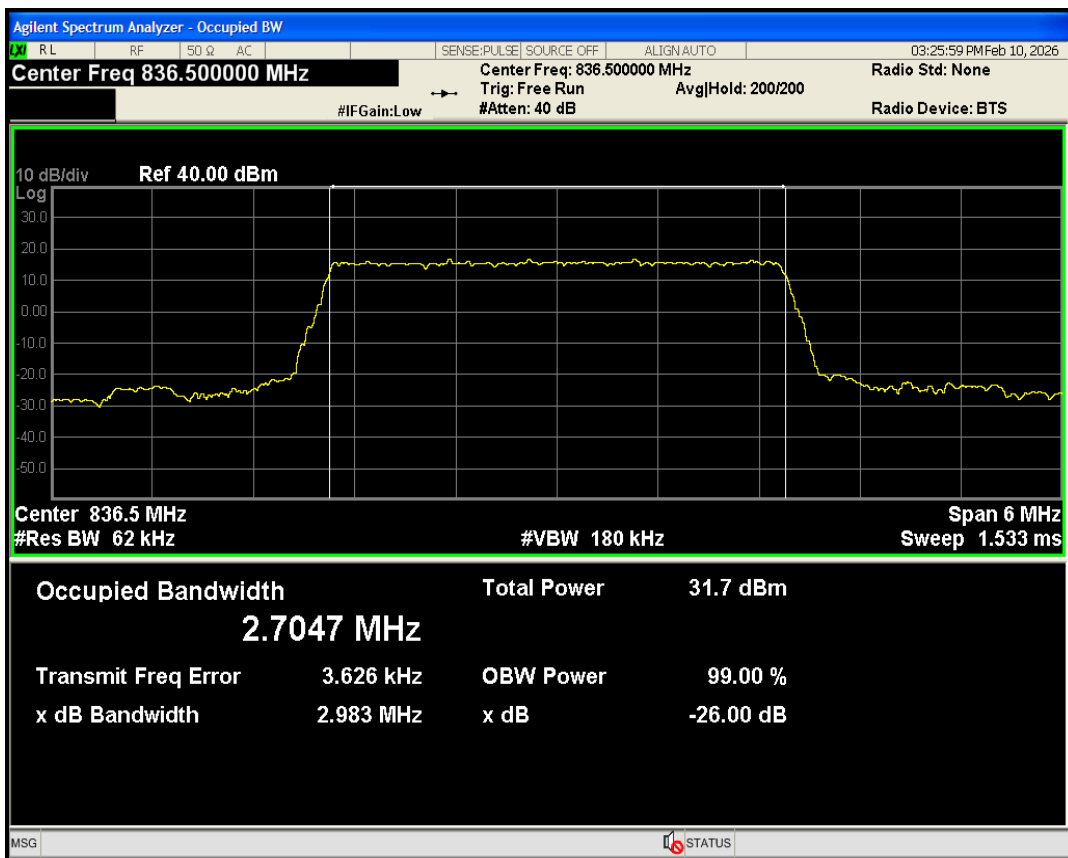
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



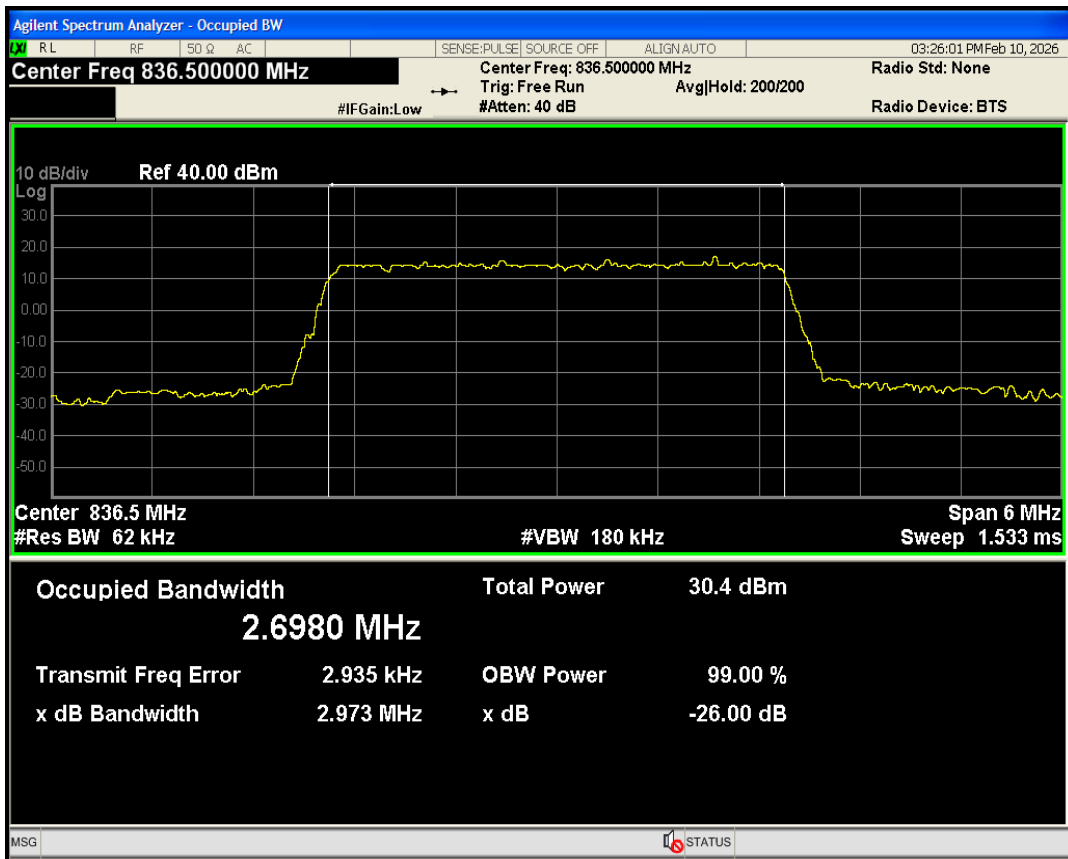
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



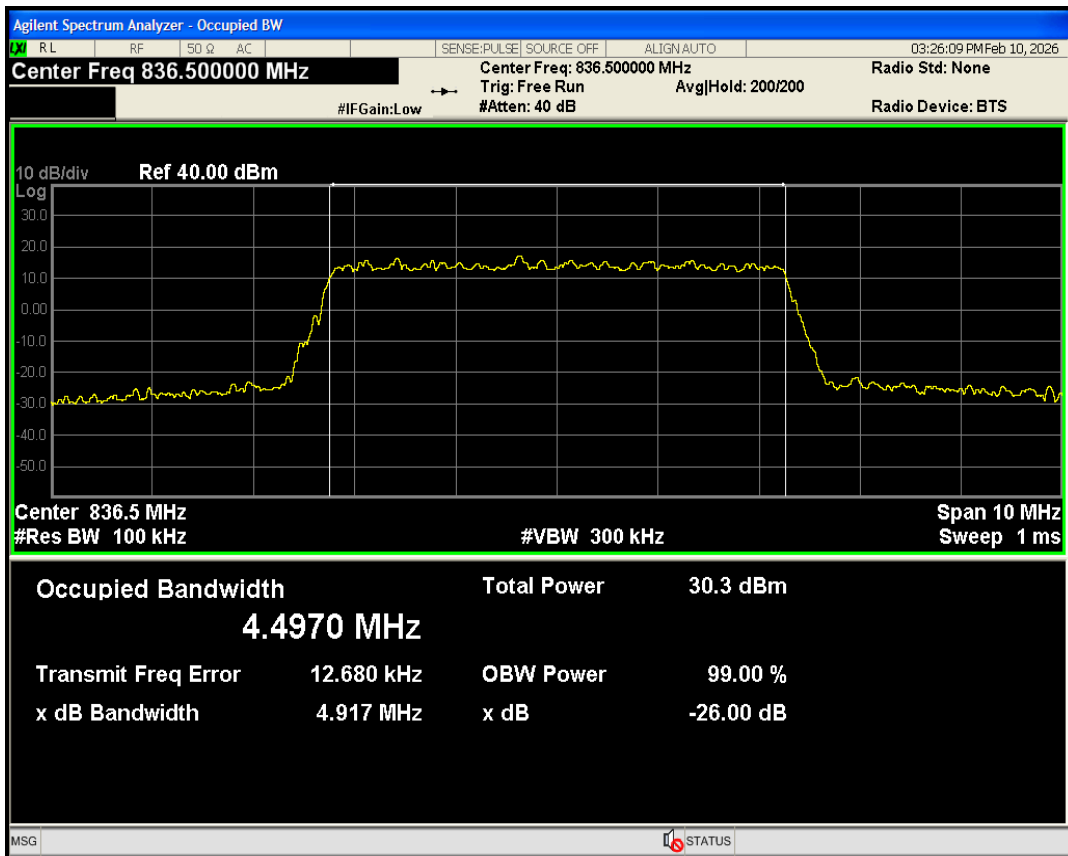
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



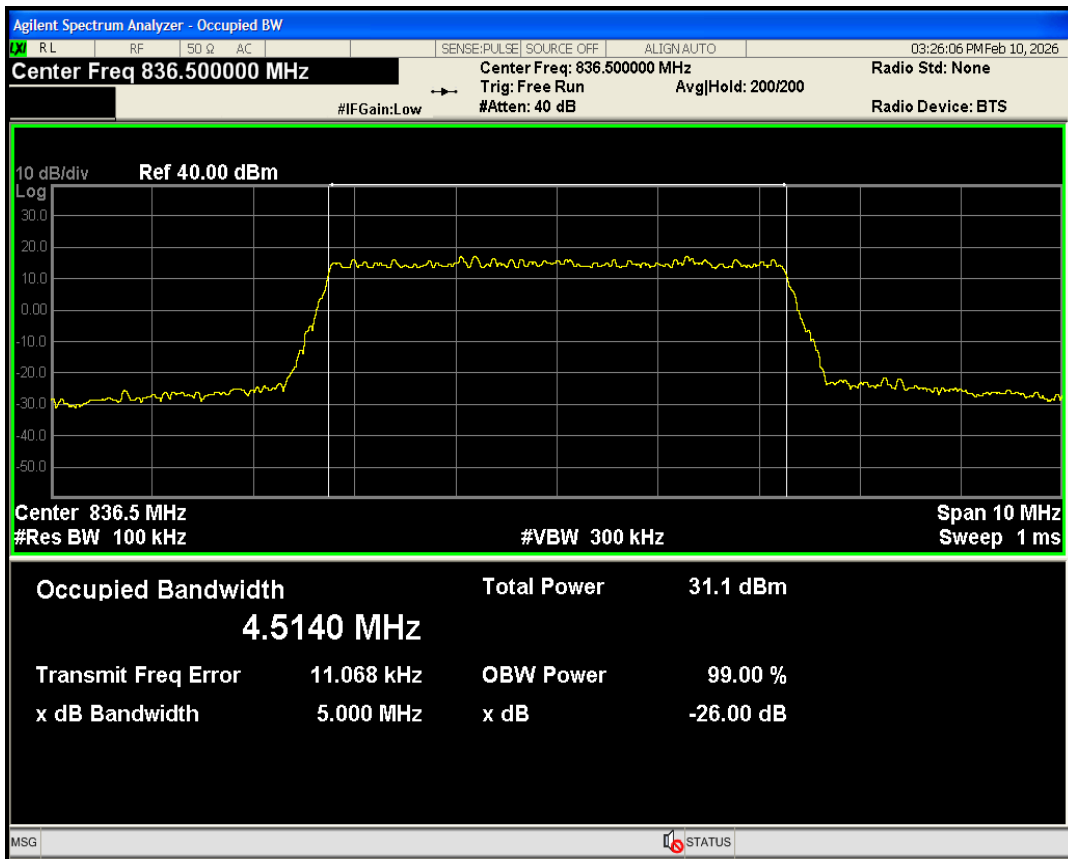
Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0



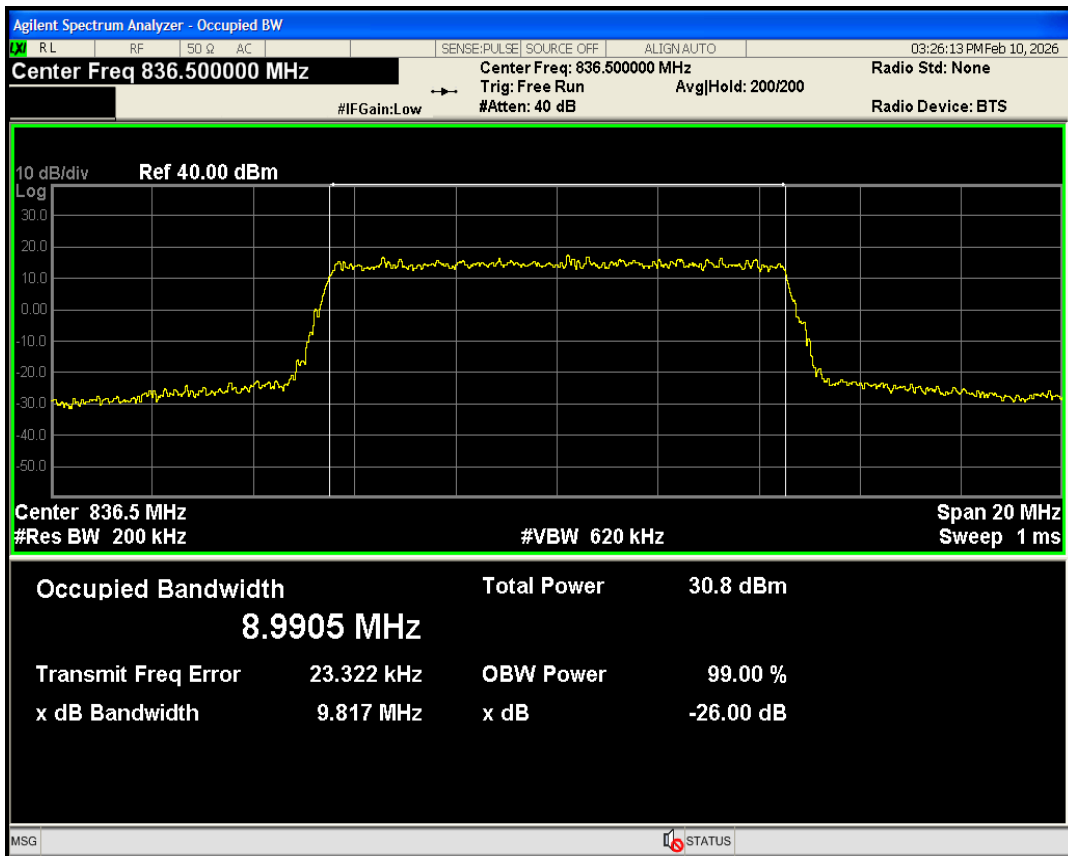
Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



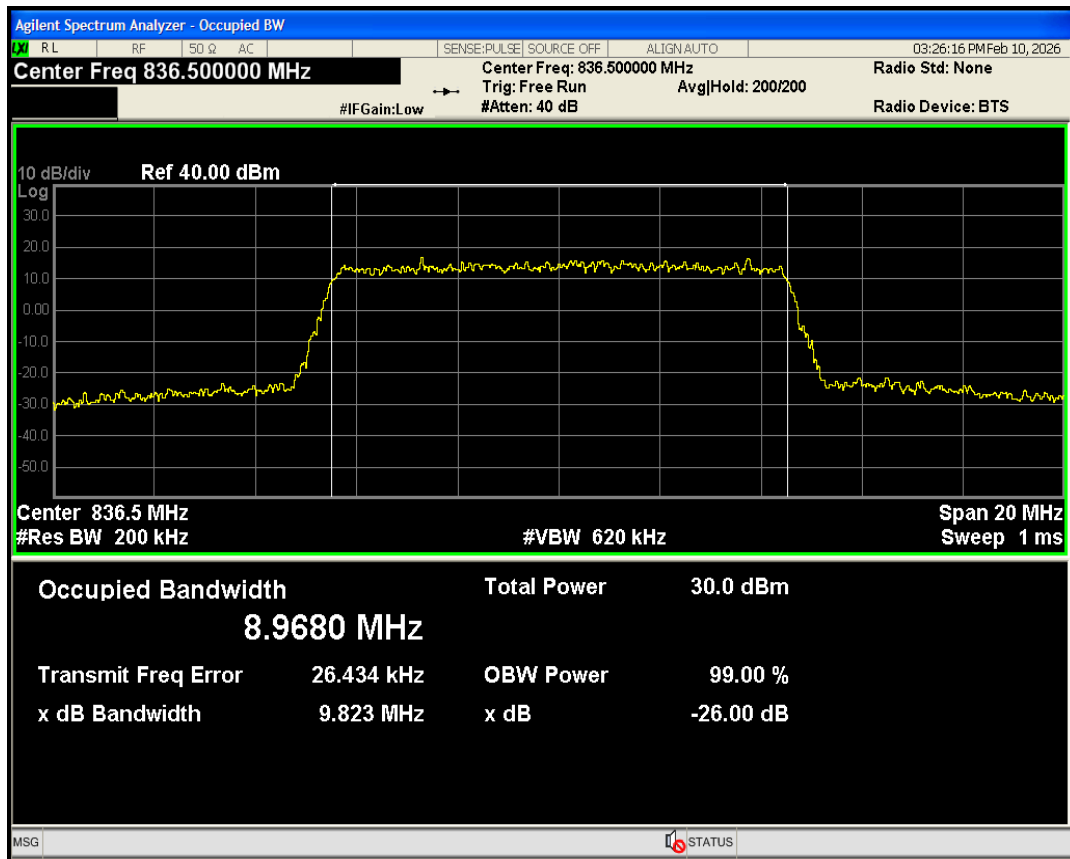
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



Band5 QAM16 BW=10MHz Channel=20525 RB Size=50 Position=#0



## 5 Band edge

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 698.90          | -25.28           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | QAM16      | 698.90          | -26.44           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 716.00          | -28.23           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QAM16      | 716.00          | -29.68           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 699.00          | -26.98           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QAM16      | 698.99          | -28.55           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 716.00          | -27.64           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QAM16      | 716.00          | -29.63           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 698.86          | -30.03           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QAM16      | 698.90          | -30.32           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 716.00          | -32.11           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QAM16      | 716.02          | -32.20           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 698.90          | -31.97           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QAM16      | 698.90          | -33.91           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 716.21          | -34.17           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QAM16      | 716.11          | -35.00           | -13         | PASS    |
| Band13 | 5               | 23205      | 25      | #0          | QPSK       | 774.96          | -45.49           | -35         | PASS    |
| Band13 | 5               | 23205      | 25      | #0          | QAM16      | 775.00          | -46.34           | -35         | PASS    |
| Band13 | 5               | 23255      | 25      | #0          | QPSK       | 787.13          | -28.16           | -13         | PASS    |
| Band13 | 5               | 23255      | 25      | #0          | QAM16      | 787.11          | -29.37           | -13         | PASS    |

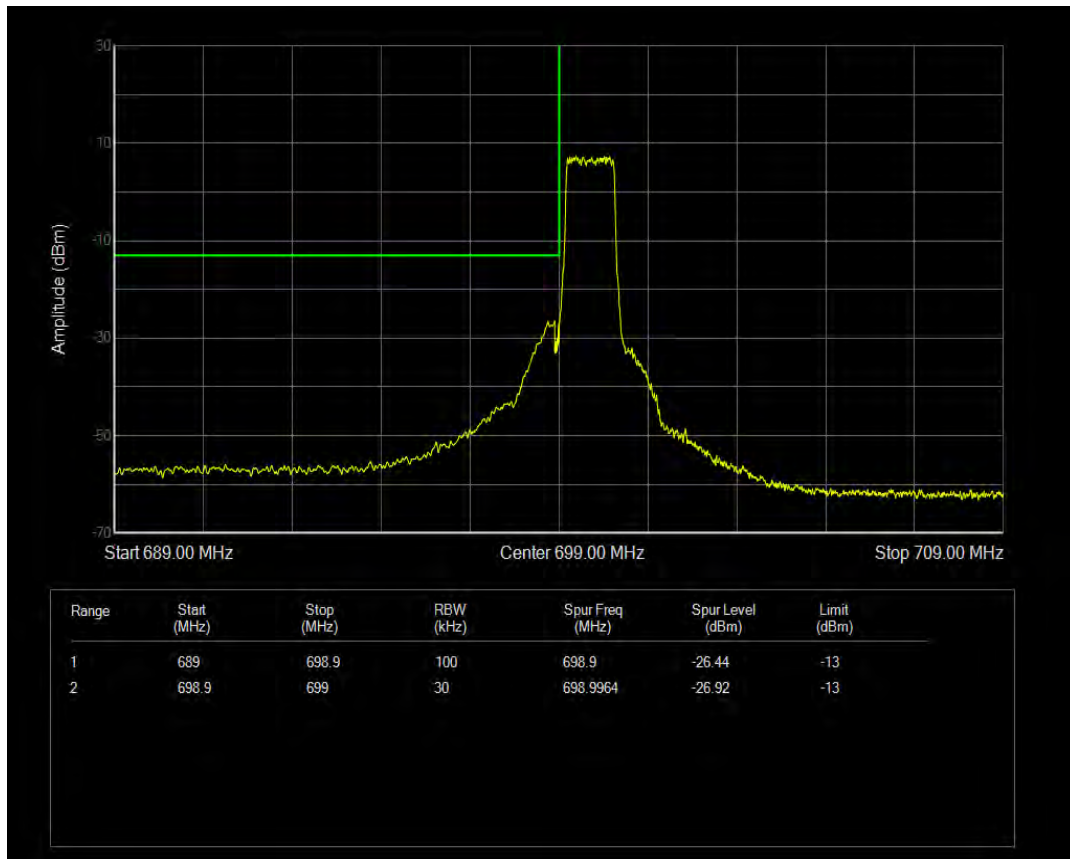
# Report

|        |     |       |     |    |       |         |        |     |      |
|--------|-----|-------|-----|----|-------|---------|--------|-----|------|
| Band13 | 10  | 23230 | 50  | #0 | QPSK  | 774.98  | -46.65 | -35 | PASS |
| Band13 | 10  | 23230 | 50  | #0 | QAM16 | 774.98  | -47.04 | -35 | PASS |
| Band2  | 1.4 | 18607 | 6   | #0 | QPSK  | 1850.00 | -31.38 | -13 | PASS |
| Band2  | 1.4 | 18607 | 6   | #0 | QAM16 | 1849.99 | -33.38 | -13 | PASS |
| Band2  | 1.4 | 19193 | 6   | #0 | QPSK  | 1910.00 | -30.98 | -13 | PASS |
| Band2  | 1.4 | 19193 | 6   | #0 | QAM16 | 1910.00 | -32.80 | -13 | PASS |
| Band2  | 3   | 18615 | 15  | #0 | QPSK  | 1850.00 | -30.06 | -13 | PASS |
| Band2  | 3   | 18615 | 15  | #0 | QAM16 | 1850.00 | -30.68 | -13 | PASS |
| Band2  | 3   | 19185 | 15  | #0 | QPSK  | 1910.00 | -29.83 | -13 | PASS |
| Band2  | 3   | 19185 | 15  | #0 | QAM16 | 1910.00 | -29.12 | -13 | PASS |
| Band2  | 5   | 18625 | 25  | #0 | QPSK  | 1850.00 | -28.44 | -13 | PASS |
| Band2  | 5   | 18625 | 25  | #0 | QAM16 | 1850.00 | -30.87 | -13 | PASS |
| Band2  | 5   | 19175 | 25  | #0 | QPSK  | 1910.00 | -30.97 | -13 | PASS |
| Band2  | 5   | 19175 | 25  | #0 | QAM16 | 1910.00 | -29.92 | -13 | PASS |
| Band2  | 10  | 18650 | 50  | #0 | QPSK  | 1850.00 | -33.10 | -13 | PASS |
| Band2  | 10  | 18650 | 50  | #0 | QAM16 | 1850.00 | -33.56 | -13 | PASS |
| Band2  | 10  | 19150 | 50  | #0 | QPSK  | 1910.00 | -31.12 | -13 | PASS |
| Band2  | 10  | 19150 | 50  | #0 | QAM16 | 1910.02 | -33.67 | -13 | PASS |
| Band2  | 15  | 18675 | 75  | #0 | QPSK  | 1849.94 | -36.24 | -13 | PASS |
| Band2  | 15  | 18675 | 75  | #0 | QAM16 | 1850.00 | -35.82 | -13 | PASS |
| Band2  | 15  | 19125 | 75  | #0 | QPSK  | 1910.00 | -36.57 | -13 | PASS |
| Band2  | 15  | 19125 | 75  | #0 | QAM16 | 1910.00 | -35.99 | -13 | PASS |
| Band2  | 20  | 18700 | 100 | #0 | QPSK  | 1850.00 | -37.85 | -13 | PASS |
| Band2  | 20  | 18700 | 100 | #0 | QAM16 | 1849.88 | -39.10 | -13 | PASS |
| Band2  | 20  | 19100 | 100 | #0 | QPSK  | 1910.00 | -37.72 | -13 | PASS |
| Band2  | 20  | 19100 | 100 | #0 | QAM16 | 1910.00 | -37.72 | -13 | PASS |
| Band4  | 1.4 | 19957 | 6   | #0 | QPSK  | 1710.00 | -31.94 | -13 | PASS |
| Band4  | 1.4 | 19957 | 6   | #0 | QAM16 | 1709.99 | -32.89 | -13 | PASS |
| Band4  | 1.4 | 20393 | 6   | #0 | QPSK  | 1755.00 | -31.96 | -13 | PASS |
| Band4  | 1.4 | 20393 | 6   | #0 | QAM16 | 1755.00 | -32.90 | -13 | PASS |
| Band4  | 3   | 19965 | 15  | #0 | QPSK  | 1709.99 | -28.52 | -13 | PASS |
| Band4  | 3   | 19965 | 15  | #0 | QAM16 | 1710.00 | -30.02 | -13 | PASS |
| Band4  | 3   | 20385 | 15  | #0 | QPSK  | 1755.00 | -30.26 | -13 | PASS |
| Band4  | 3   | 20385 | 15  | #0 | QAM16 | 1755.00 | -30.68 | -13 | PASS |
| Band4  | 5   | 19975 | 25  | #0 | QPSK  | 1710.00 | -27.05 | -13 | PASS |
| Band4  | 5   | 19975 | 25  | #0 | QAM16 | 1710.00 | -29.99 | -13 | PASS |
| Band4  | 5   | 20375 | 25  | #0 | QPSK  | 1755.00 | -27.21 | -13 | PASS |
| Band4  | 5   | 20375 | 25  | #0 | QAM16 | 1755.00 | -28.85 | -13 | PASS |
| Band4  | 10  | 20000 | 50  | #0 | QPSK  | 1710.00 | -31.27 | -13 | PASS |
| Band4  | 10  | 20000 | 50  | #0 | QAM16 | 1710.00 | -31.80 | -13 | PASS |
| Band4  | 10  | 20350 | 50  | #0 | QPSK  | 1755.00 | -34.02 | -13 | PASS |
| Band4  | 10  | 20350 | 50  | #0 | QAM16 | 1755.00 | -32.59 | -13 | PASS |
| Band4  | 15  | 20025 | 75  | #0 | QPSK  | 1708.98 | -33.27 | -13 | PASS |
| Band4  | 15  | 20025 | 75  | #0 | QAM16 | 1709.01 | -34.72 | -13 | PASS |

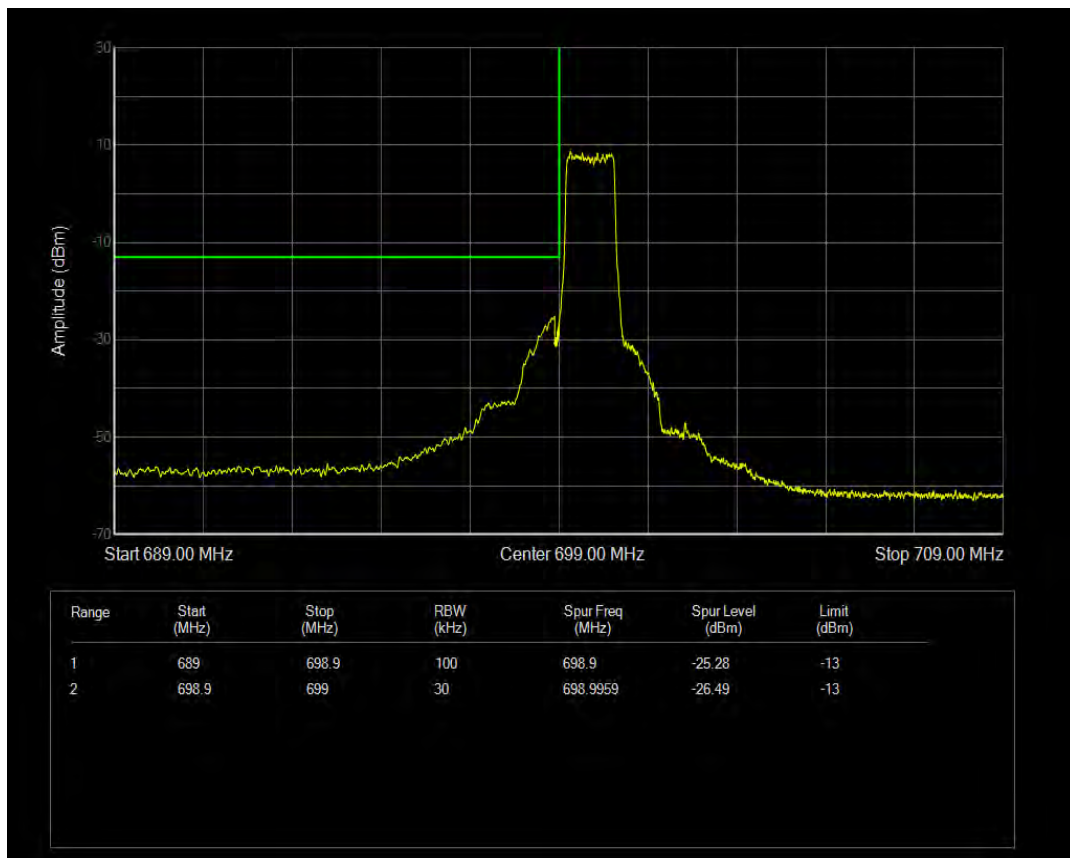
# Report

|       |     |       |     |    |       |         |        |     |      |
|-------|-----|-------|-----|----|-------|---------|--------|-----|------|
| Band4 | 15  | 20325 | 75  | #0 | QPSK  | 1755.12 | -35.60 | -13 | PASS |
| Band4 | 15  | 20325 | 75  | #0 | QAM16 | 1755.00 | -35.21 | -13 | PASS |
| Band4 | 20  | 20050 | 100 | #0 | QPSK  | 1709.92 | -35.04 | -13 | PASS |
| Band4 | 20  | 20050 | 100 | #0 | QAM16 | 1710.00 | -36.09 | -13 | PASS |
| Band4 | 20  | 20300 | 100 | #0 | QPSK  | 1755.00 | -37.11 | -13 | PASS |
| Band4 | 20  | 20300 | 100 | #0 | QAM16 | 1755.00 | -36.89 | -13 | PASS |
| Band5 | 1.4 | 20407 | 6   | #0 | QPSK  | 823.99  | -31.94 | -13 | PASS |
| Band5 | 1.4 | 20407 | 6   | #0 | QAM16 | 824.00  | -31.53 | -13 | PASS |
| Band5 | 1.4 | 20643 | 6   | #0 | QPSK  | 849.00  | -31.37 | -13 | PASS |
| Band5 | 1.4 | 20643 | 6   | #0 | QAM16 | 849.00  | -32.03 | -13 | PASS |
| Band5 | 3   | 20415 | 15  | #0 | QPSK  | 824.00  | -26.88 | -13 | PASS |
| Band5 | 3   | 20415 | 15  | #0 | QAM16 | 824.00  | -29.49 | -13 | PASS |
| Band5 | 3   | 20635 | 15  | #0 | QPSK  | 849.00  | -29.57 | -13 | PASS |
| Band5 | 3   | 20635 | 15  | #0 | QAM16 | 849.00  | -30.02 | -13 | PASS |
| Band5 | 5   | 20425 | 25  | #0 | QPSK  | 824.00  | -28.17 | -13 | PASS |
| Band5 | 5   | 20425 | 25  | #0 | QAM16 | 824.00  | -28.37 | -13 | PASS |
| Band5 | 5   | 20625 | 25  | #0 | QPSK  | 849.00  | -29.63 | -13 | PASS |
| Band5 | 5   | 20625 | 25  | #0 | QAM16 | 849.00  | -30.72 | -13 | PASS |
| Band5 | 10  | 20450 | 50  | #0 | QPSK  | 823.94  | -32.22 | -13 | PASS |
| Band5 | 10  | 20450 | 50  | #0 | QAM16 | 824.00  | -32.68 | -13 | PASS |
| Band5 | 10  | 20600 | 50  | #0 | QPSK  | 849.00  | -31.94 | -13 | PASS |
| Band5 | 10  | 20600 | 50  | #0 | QAM16 | 849.04  | -34.28 | -13 | PASS |

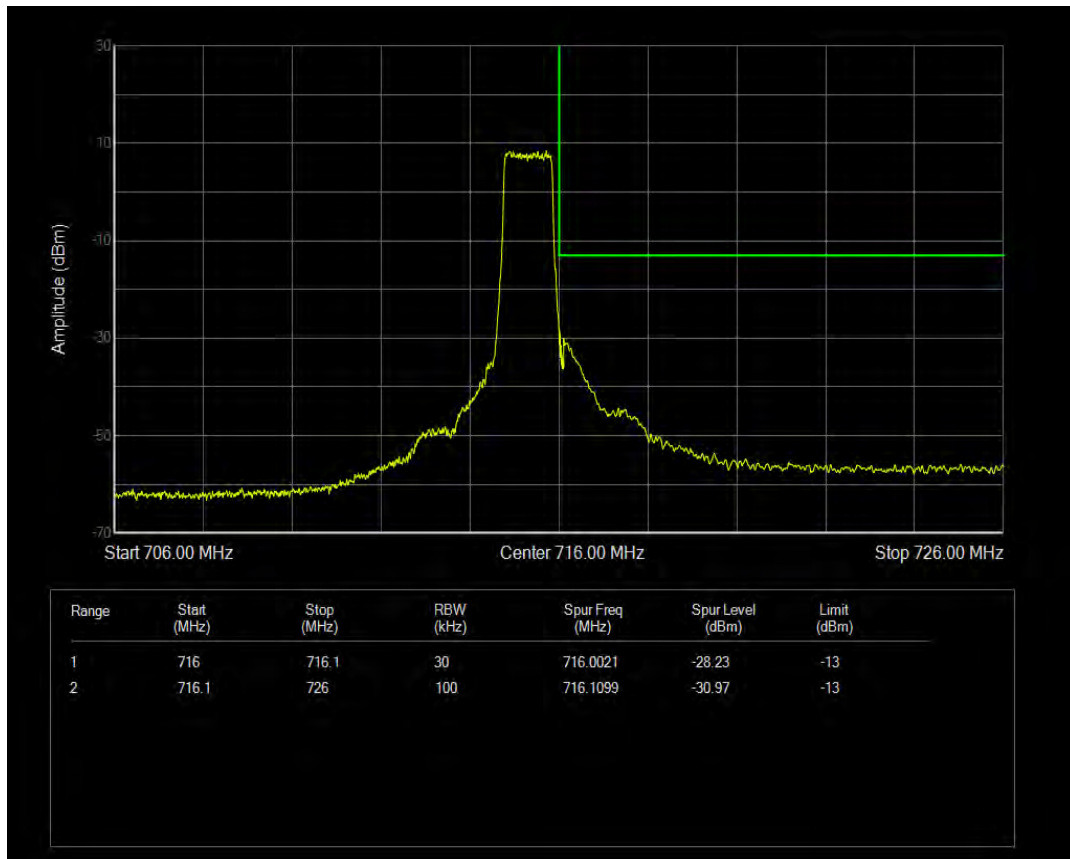
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



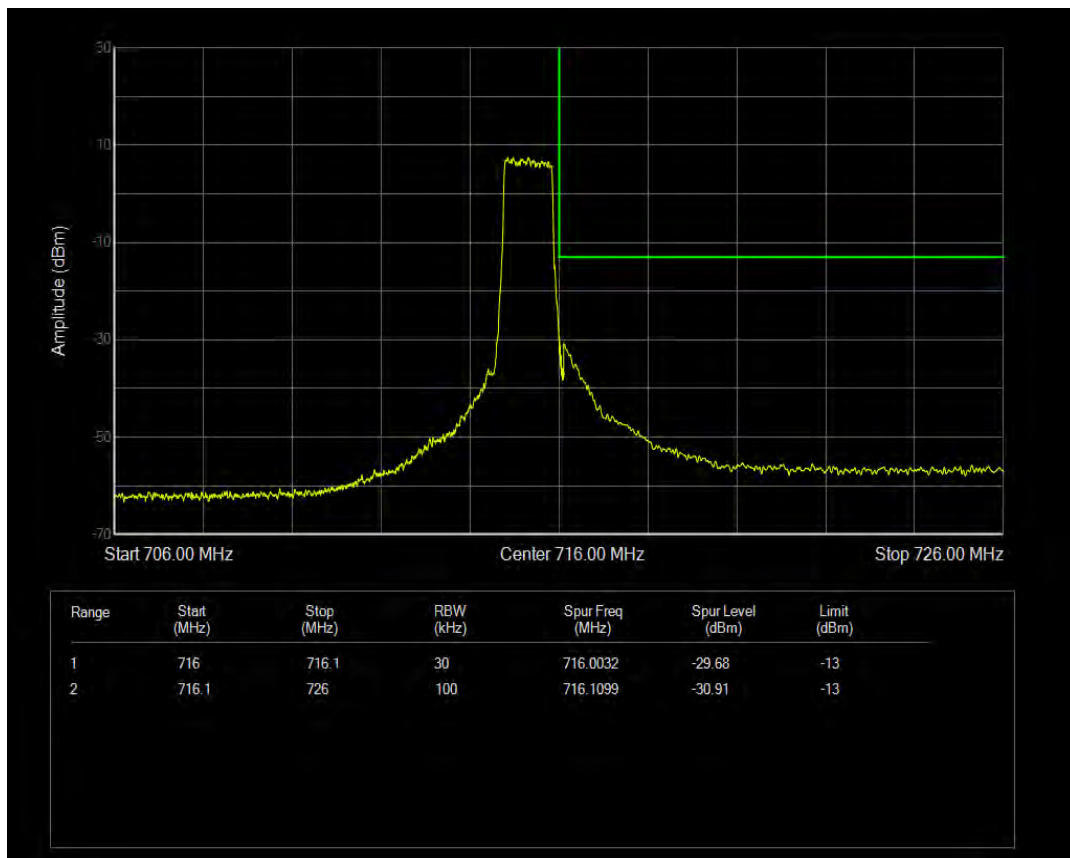
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



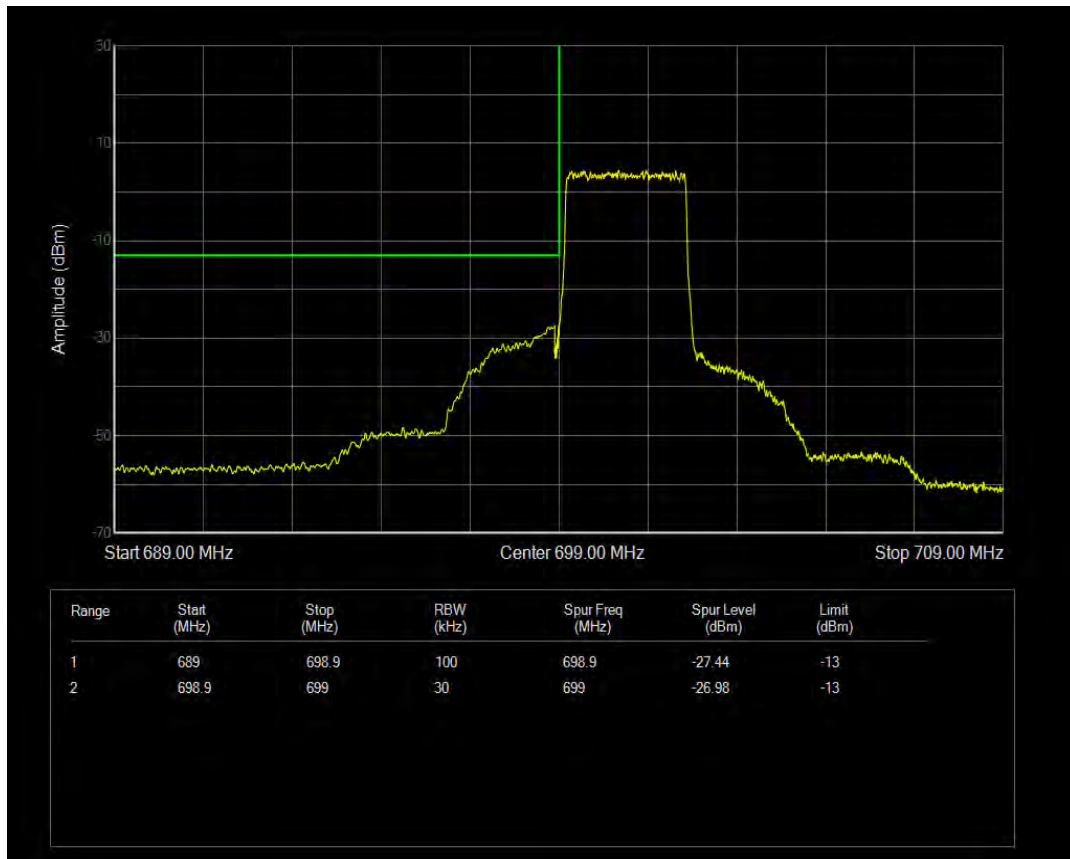
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



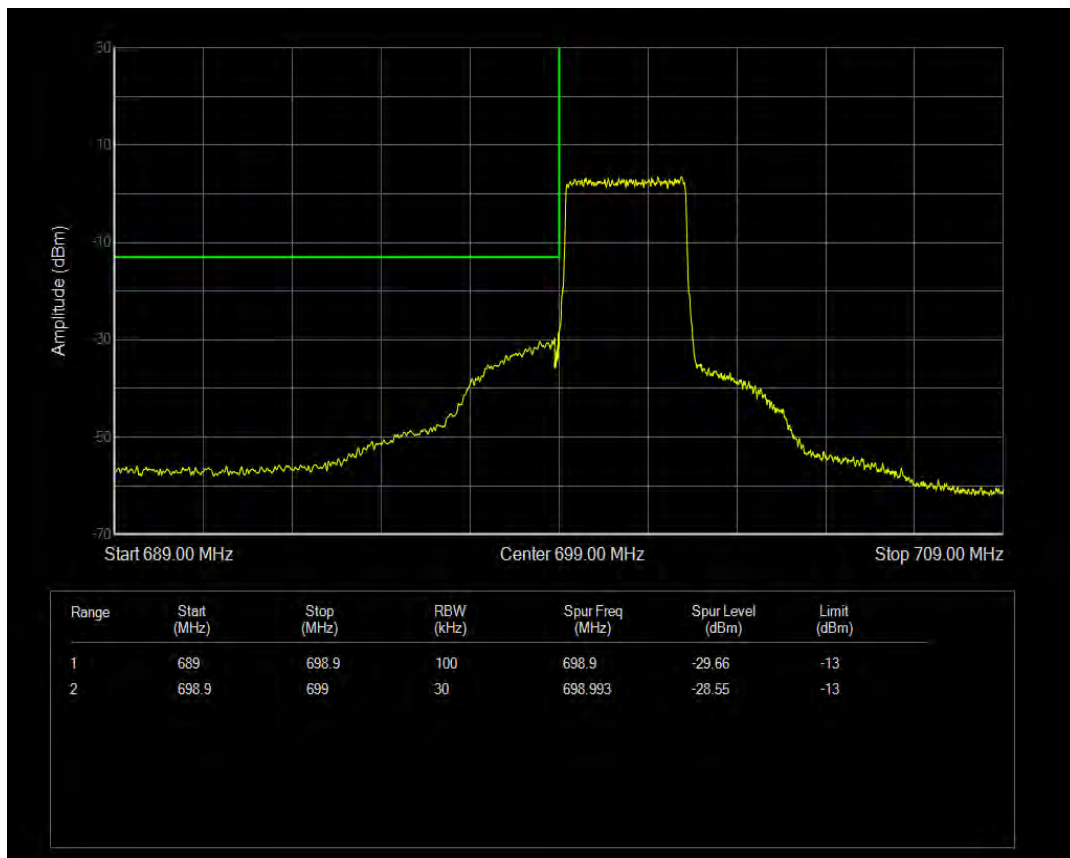
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



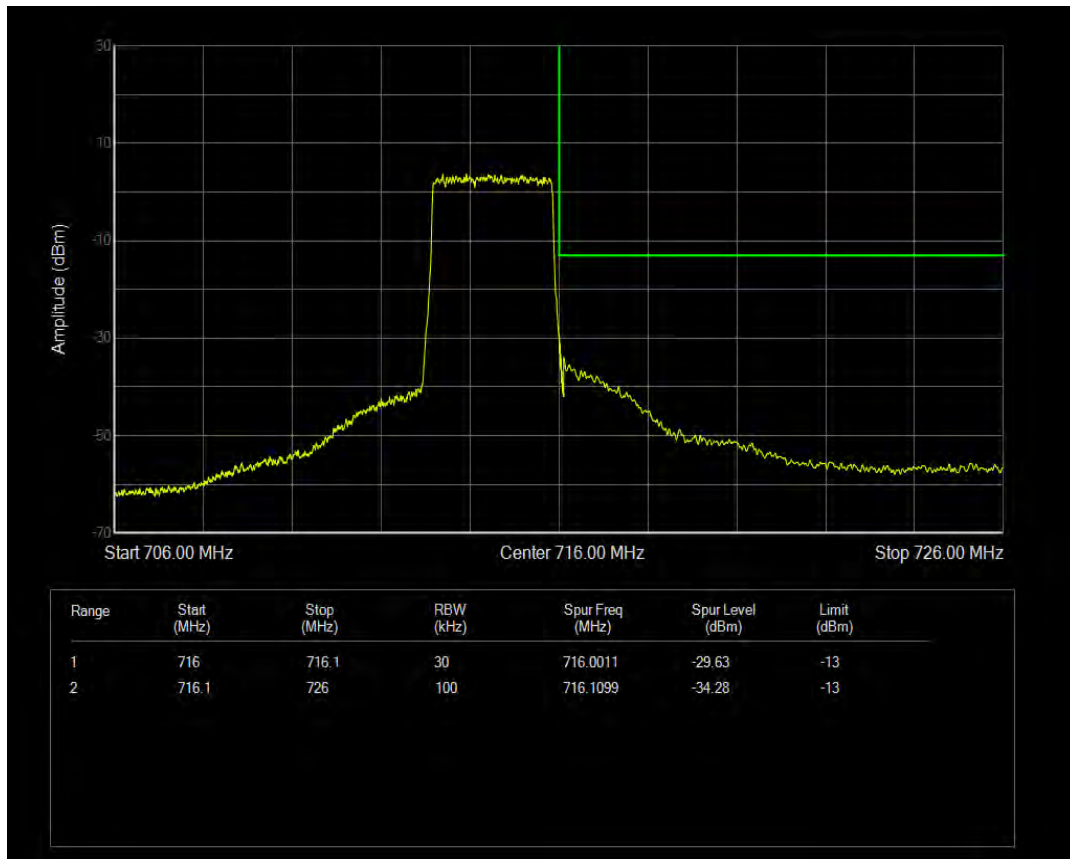
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



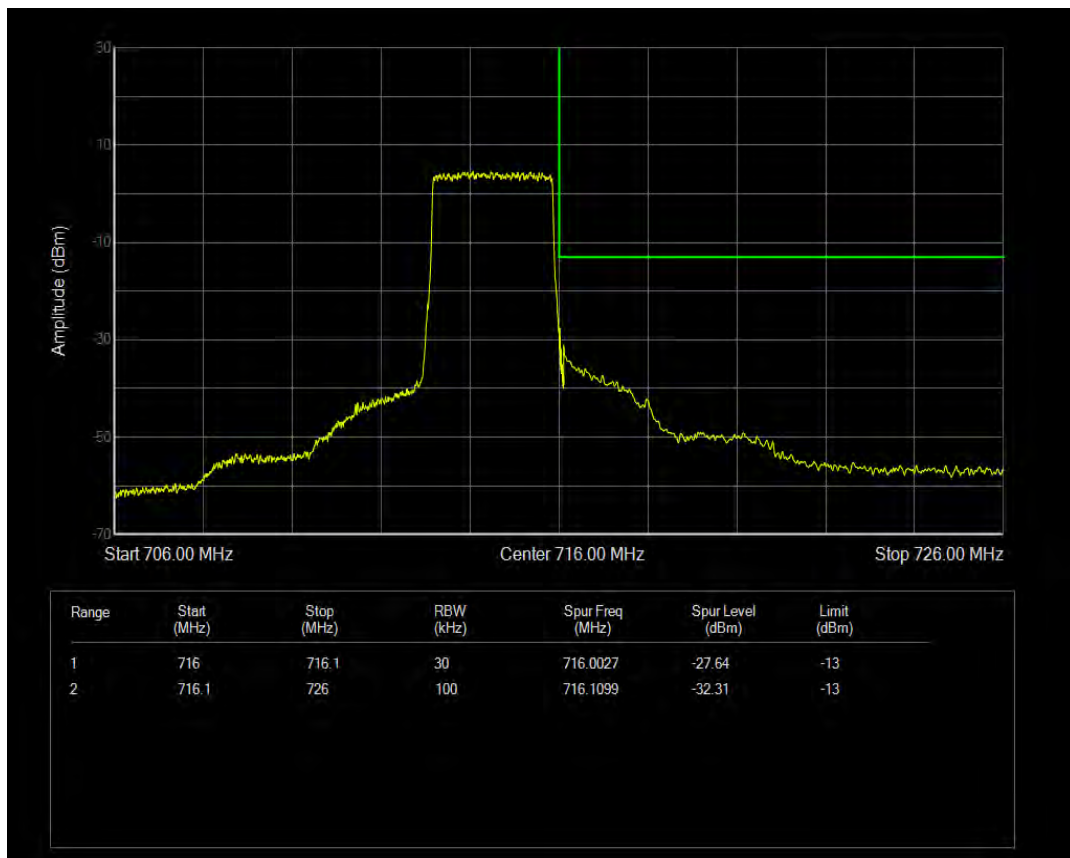
Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



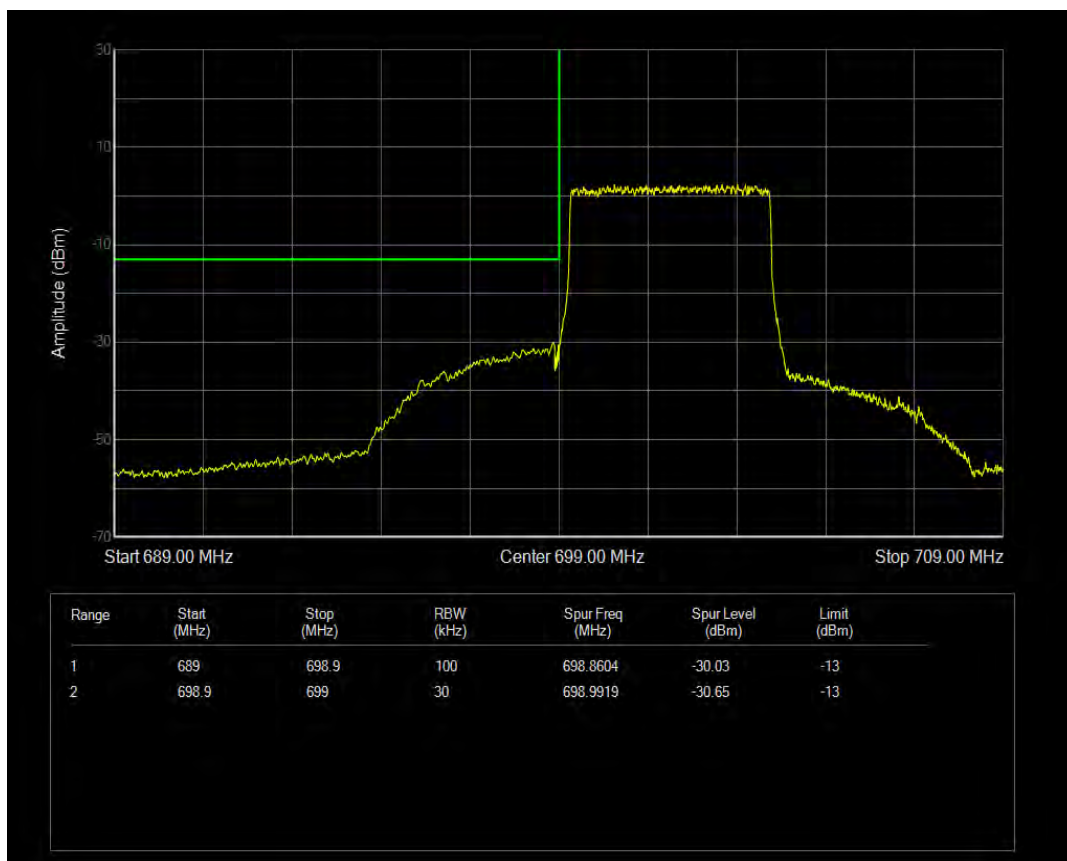
Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



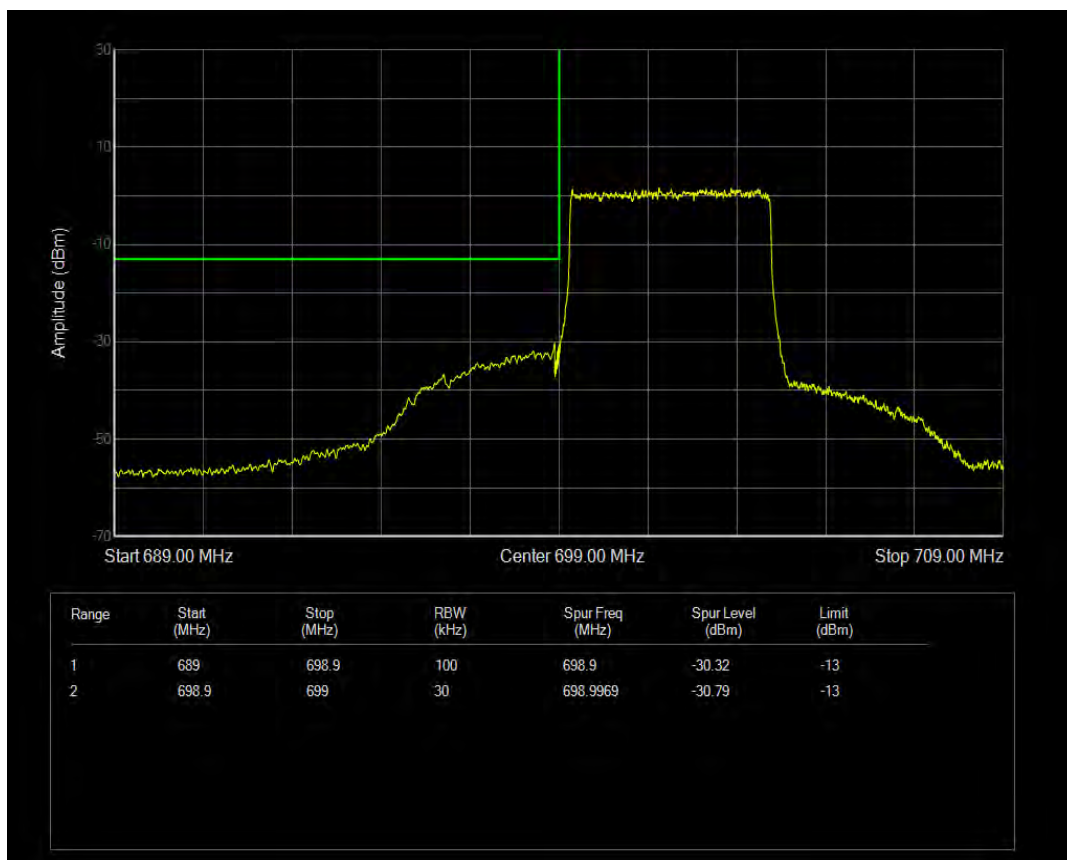
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



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



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



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