

# Report

|       |    |       |    |      |       |       |      |       |        |      |      |
|-------|----|-------|----|------|-------|-------|------|-------|--------|------|------|
| Band7 | 5  | 21425 | 1  | #0   | QAM16 | 20.04 | 1.08 | 21.12 | 129.42 | 2000 | PASS |
| Band7 | 5  | 21425 | 1  | #Mid | QAM16 | 20.07 | 1.08 | 21.15 | 130.32 | 2000 | PASS |
| Band7 | 5  | 21425 | 1  | #Max | QAM16 | 19.97 | 1.08 | 21.05 | 127.35 | 2000 | PASS |
| Band7 | 5  | 21425 | 12 | #0   | QAM16 | 19.36 | 1.08 | 20.44 | 110.66 | 2000 | PASS |
| Band7 | 5  | 21425 | 12 | #Max | QAM16 | 19.35 | 1.08 | 20.43 | 110.41 | 2000 | PASS |
| Band7 | 5  | 21425 | 25 | #0   | QAM16 | 19.48 | 1.08 | 20.56 | 113.76 | 2000 | PASS |
| Band7 | 10 | 20800 | 1  | #0   | QPSK  | 21.80 | 1.08 | 22.88 | 194.09 | 2000 | PASS |
| Band7 | 10 | 20800 | 1  | #Mid | QPSK  | 21.81 | 1.08 | 22.89 | 194.54 | 2000 | PASS |
| Band7 | 10 | 20800 | 1  | #Max | QPSK  | 21.92 | 1.08 | 23.00 | 199.53 | 2000 | PASS |
| Band7 | 10 | 20800 | 25 | #0   | QPSK  | 20.90 | 1.08 | 21.98 | 157.76 | 2000 | PASS |
| Band7 | 10 | 20800 | 25 | #Max | QPSK  | 20.78 | 1.08 | 21.86 | 153.46 | 2000 | PASS |
| Band7 | 10 | 20800 | 50 | #0   | QPSK  | 20.88 | 1.08 | 21.96 | 157.04 | 2000 | PASS |
| Band7 | 10 | 20800 | 1  | #0   | QAM16 | 20.91 | 1.08 | 21.99 | 158.12 | 2000 | PASS |
| Band7 | 10 | 20800 | 1  | #Mid | QAM16 | 20.95 | 1.08 | 22.03 | 159.59 | 2000 | PASS |
| Band7 | 10 | 20800 | 1  | #Max | QAM16 | 20.94 | 1.08 | 22.02 | 159.22 | 2000 | PASS |
| Band7 | 10 | 20800 | 25 | #0   | QAM16 | 19.93 | 1.08 | 21.01 | 126.18 | 2000 | PASS |
| Band7 | 10 | 20800 | 25 | #Max | QAM16 | 19.94 | 1.08 | 21.02 | 126.47 | 2000 | PASS |
| Band7 | 10 | 20800 | 50 | #0   | QAM16 | 19.90 | 1.08 | 20.98 | 125.31 | 2000 | PASS |
| Band7 | 10 | 21100 | 1  | #0   | QPSK  | 21.60 | 1.08 | 22.68 | 185.35 | 2000 | PASS |
| Band7 | 10 | 21100 | 1  | #Mid | QPSK  | 21.51 | 1.08 | 22.59 | 181.55 | 2000 | PASS |
| Band7 | 10 | 21100 | 1  | #Max | QPSK  | 21.53 | 1.08 | 22.61 | 182.39 | 2000 | PASS |
| Band7 | 10 | 21100 | 25 | #0   | QPSK  | 20.54 | 1.08 | 21.62 | 145.21 | 2000 | PASS |
| Band7 | 10 | 21100 | 25 | #Max | QPSK  | 20.64 | 1.08 | 21.72 | 148.59 | 2000 | PASS |
| Band7 | 10 | 21100 | 50 | #0   | QPSK  | 20.70 | 1.08 | 21.78 | 150.66 | 2000 | PASS |
| Band7 | 10 | 21100 | 1  | #0   | QAM16 | 21.02 | 1.08 | 22.10 | 162.18 | 2000 | PASS |
| Band7 | 10 | 21100 | 1  | #Mid | QAM16 | 20.95 | 1.08 | 22.03 | 159.59 | 2000 | PASS |
| Band7 | 10 | 21100 | 1  | #Max | QAM16 | 20.89 | 1.08 | 21.97 | 157.40 | 2000 | PASS |
| Band7 | 10 | 21100 | 25 | #0   | QAM16 | 19.79 | 1.08 | 20.87 | 122.18 | 2000 | PASS |
| Band7 | 10 | 21100 | 25 | #Max | QAM16 | 19.89 | 1.08 | 20.97 | 125.03 | 2000 | PASS |
| Band7 | 10 | 21100 | 50 | #0   | QAM16 | 19.71 | 1.08 | 20.79 | 119.95 | 2000 | PASS |
| Band7 | 10 | 21400 | 1  | #0   | QPSK  | 21.64 | 1.08 | 22.72 | 187.07 | 2000 | PASS |
| Band7 | 10 | 21400 | 1  | #Mid | QPSK  | 21.56 | 1.08 | 22.64 | 183.65 | 2000 | PASS |
| Band7 | 10 | 21400 | 1  | #Max | QPSK  | 21.50 | 1.08 | 22.58 | 181.13 | 2000 | PASS |
| Band7 | 10 | 21400 | 25 | #0   | QPSK  | 20.43 | 1.08 | 21.51 | 141.58 | 2000 | PASS |
| Band7 | 10 | 21400 | 25 | #Max | QPSK  | 20.42 | 1.08 | 21.50 | 141.25 | 2000 | PASS |
| Band7 | 10 | 21400 | 50 | #0   | QPSK  | 20.41 | 1.08 | 21.49 | 140.93 | 2000 | PASS |
| Band7 | 10 | 21400 | 1  | #0   | QAM16 | 19.91 | 1.08 | 20.99 | 125.60 | 2000 | PASS |
| Band7 | 10 | 21400 | 1  | #Mid | QAM16 | 19.82 | 1.08 | 20.90 | 123.03 | 2000 | PASS |
| Band7 | 10 | 21400 | 1  | #Max | QAM16 | 19.76 | 1.08 | 20.84 | 121.34 | 2000 | PASS |
| Band7 | 10 | 21400 | 25 | #0   | QAM16 | 19.49 | 1.08 | 20.57 | 114.02 | 2000 | PASS |
| Band7 | 10 | 21400 | 25 | #Max | QAM16 | 19.40 | 1.08 | 20.48 | 111.69 | 2000 | PASS |
| Band7 | 10 | 21400 | 50 | #0   | QAM16 | 19.41 | 1.08 | 20.49 | 111.94 | 2000 | PASS |
| Band7 | 15 | 20825 | 1  | #0   | QPSK  | 21.84 | 1.08 | 22.92 | 195.88 | 2000 | PASS |
| Band7 | 15 | 20825 | 1  | #Mid | QPSK  | 21.86 | 1.08 | 22.94 | 196.79 | 2000 | PASS |

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|       |    |       |     |      |       |       |      |       |        |      |      |
|-------|----|-------|-----|------|-------|-------|------|-------|--------|------|------|
| Band7 | 15 | 20825 | 1   | #Max | QPSK  | 21.80 | 1.08 | 22.88 | 194.09 | 2000 | PASS |
| Band7 | 15 | 20825 | 36  | #0   | QPSK  | 20.83 | 1.08 | 21.91 | 155.24 | 2000 | PASS |
| Band7 | 15 | 20825 | 36  | #Max | QPSK  | 20.76 | 1.08 | 21.84 | 152.76 | 2000 | PASS |
| Band7 | 15 | 20825 | 75  | #0   | QPSK  | 20.82 | 1.08 | 21.90 | 154.88 | 2000 | PASS |
| Band7 | 15 | 20825 | 1   | #0   | QAM16 | 20.96 | 1.08 | 22.04 | 159.96 | 2000 | PASS |
| Band7 | 15 | 20825 | 1   | #Mid | QAM16 | 20.90 | 1.08 | 21.98 | 157.76 | 2000 | PASS |
| Band7 | 15 | 20825 | 1   | #Max | QAM16 | 20.91 | 1.08 | 21.99 | 158.12 | 2000 | PASS |
| Band7 | 15 | 20825 | 36  | #0   | QAM16 | 20.02 | 1.08 | 21.10 | 128.82 | 2000 | PASS |
| Band7 | 15 | 20825 | 36  | #Max | QAM16 | 19.95 | 1.08 | 21.03 | 126.77 | 2000 | PASS |
| Band7 | 15 | 20825 | 75  | #0   | QAM16 | 19.92 | 1.08 | 21.00 | 125.89 | 2000 | PASS |
| Band7 | 15 | 21100 | 1   | #0   | QPSK  | 21.60 | 1.08 | 22.68 | 185.35 | 2000 | PASS |
| Band7 | 15 | 21100 | 1   | #Mid | QPSK  | 21.58 | 1.08 | 22.66 | 184.50 | 2000 | PASS |
| Band7 | 15 | 21100 | 1   | #Max | QPSK  | 21.63 | 1.08 | 22.71 | 186.64 | 2000 | PASS |
| Band7 | 15 | 21100 | 36  | #0   | QPSK  | 20.58 | 1.08 | 21.66 | 146.55 | 2000 | PASS |
| Band7 | 15 | 21100 | 36  | #Max | QPSK  | 20.65 | 1.08 | 21.73 | 148.94 | 2000 | PASS |
| Band7 | 15 | 21100 | 75  | #0   | QPSK  | 20.61 | 1.08 | 21.69 | 147.57 | 2000 | PASS |
| Band7 | 15 | 21100 | 1   | #0   | QAM16 | 20.22 | 1.08 | 21.30 | 134.90 | 2000 | PASS |
| Band7 | 15 | 21100 | 1   | #Mid | QAM16 | 21.07 | 1.08 | 22.15 | 164.06 | 2000 | PASS |
| Band7 | 15 | 21100 | 1   | #Max | QAM16 | 21.11 | 1.08 | 22.19 | 165.58 | 2000 | PASS |
| Band7 | 15 | 21100 | 36  | #0   | QAM16 | 19.56 | 1.08 | 20.64 | 115.88 | 2000 | PASS |
| Band7 | 15 | 21100 | 36  | #Max | QAM16 | 19.81 | 1.08 | 20.89 | 122.74 | 2000 | PASS |
| Band7 | 15 | 21100 | 75  | #0   | QAM16 | 19.74 | 1.08 | 20.82 | 120.78 | 2000 | PASS |
| Band7 | 15 | 21375 | 1   | #0   | QPSK  | 21.69 | 1.08 | 22.77 | 189.23 | 2000 | PASS |
| Band7 | 15 | 21375 | 1   | #Mid | QPSK  | 21.59 | 1.08 | 22.67 | 184.93 | 2000 | PASS |
| Band7 | 15 | 21375 | 1   | #Max | QPSK  | 21.43 | 1.08 | 22.51 | 178.24 | 2000 | PASS |
| Band7 | 15 | 21375 | 36  | #0   | QPSK  | 20.51 | 1.08 | 21.59 | 144.21 | 2000 | PASS |
| Band7 | 15 | 21375 | 36  | #Max | QPSK  | 20.29 | 1.08 | 21.37 | 137.09 | 2000 | PASS |
| Band7 | 15 | 21375 | 75  | #0   | QPSK  | 20.39 | 1.08 | 21.47 | 140.28 | 2000 | PASS |
| Band7 | 15 | 21375 | 1   | #0   | QAM16 | 20.70 | 1.08 | 21.78 | 150.66 | 2000 | PASS |
| Band7 | 15 | 21375 | 1   | #Mid | QAM16 | 20.57 | 1.08 | 21.65 | 146.22 | 2000 | PASS |
| Band7 | 15 | 21375 | 1   | #Max | QAM16 | 20.47 | 1.08 | 21.55 | 142.89 | 2000 | PASS |
| Band7 | 15 | 21375 | 36  | #0   | QAM16 | 19.62 | 1.08 | 20.70 | 117.49 | 2000 | PASS |
| Band7 | 15 | 21375 | 36  | #Max | QAM16 | 19.50 | 1.08 | 20.58 | 114.29 | 2000 | PASS |
| Band7 | 15 | 21375 | 75  | #0   | QAM16 | 19.53 | 1.08 | 20.61 | 115.08 | 2000 | PASS |
| Band7 | 20 | 20850 | 1   | #0   | QPSK  | 22.09 | 1.08 | 23.17 | 207.49 | 2000 | PASS |
| Band7 | 20 | 20850 | 1   | #Mid | QPSK  | 22.01 | 1.08 | 23.09 | 203.70 | 2000 | PASS |
| Band7 | 20 | 20850 | 1   | #Max | QPSK  | 21.89 | 1.08 | 22.97 | 198.15 | 2000 | PASS |
| Band7 | 20 | 20850 | 50  | #0   | QPSK  | 20.82 | 1.08 | 21.90 | 154.88 | 2000 | PASS |
| Band7 | 20 | 20850 | 50  | #Max | QPSK  | 20.77 | 1.08 | 21.85 | 153.11 | 2000 | PASS |
| Band7 | 20 | 20850 | 100 | #0   | QPSK  | 20.79 | 1.08 | 21.87 | 153.82 | 2000 | PASS |
| Band7 | 20 | 20850 | 1   | #0   | QAM16 | 20.76 | 1.08 | 21.84 | 152.76 | 2000 | PASS |
| Band7 | 20 | 20850 | 1   | #Mid | QAM16 | 20.75 | 1.08 | 21.83 | 152.41 | 2000 | PASS |
| Band7 | 20 | 20850 | 1   | #Max | QAM16 | 20.73 | 1.08 | 21.81 | 151.71 | 2000 | PASS |
| Band7 | 20 | 20850 | 50  | #0   | QAM16 | 20.07 | 1.08 | 21.15 | 130.32 | 2000 | PASS |

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|-------|----|-------|-----|------|-------|-------|------|-------|--------|------|------|
| Band7 | 20 | 20850 | 50  | #Max | QAM16 | 19.94 | 1.08 | 21.02 | 126.47 | 2000 | PASS |
| Band7 | 20 | 20850 | 100 | #0   | QAM16 | 19.95 | 1.08 | 21.03 | 126.77 | 2000 | PASS |
| Band7 | 20 | 21100 | 1   | #0   | QPSK  | 21.87 | 1.08 | 22.95 | 197.24 | 2000 | PASS |
| Band7 | 20 | 21100 | 1   | #Mid | QPSK  | 21.80 | 1.08 | 22.88 | 194.09 | 2000 | PASS |
| Band7 | 20 | 21100 | 1   | #Max | QPSK  | 21.81 | 1.08 | 22.89 | 194.54 | 2000 | PASS |
| Band7 | 20 | 21100 | 50  | #0   | QPSK  | 20.71 | 1.08 | 21.79 | 151.01 | 2000 | PASS |
| Band7 | 20 | 21100 | 50  | #Max | QPSK  | 20.72 | 1.08 | 21.80 | 151.36 | 2000 | PASS |
| Band7 | 20 | 21100 | 100 | #0   | QPSK  | 20.72 | 1.08 | 21.80 | 151.36 | 2000 | PASS |
| Band7 | 20 | 21100 | 1   | #0   | QAM16 | 20.92 | 1.08 | 22.00 | 158.49 | 2000 | PASS |
| Band7 | 20 | 21100 | 1   | #Mid | QAM16 | 20.78 | 1.08 | 21.86 | 153.46 | 2000 | PASS |
| Band7 | 20 | 21100 | 1   | #Max | QAM16 | 20.78 | 1.08 | 21.86 | 153.46 | 2000 | PASS |
| Band7 | 20 | 21100 | 50  | #0   | QAM16 | 19.52 | 1.08 | 20.60 | 114.82 | 2000 | PASS |
| Band7 | 20 | 21100 | 50  | #Max | QAM16 | 19.77 | 1.08 | 20.85 | 121.62 | 2000 | PASS |
| Band7 | 20 | 21100 | 100 | #0   | QAM16 | 19.70 | 1.08 | 20.78 | 119.67 | 2000 | PASS |
| Band7 | 20 | 21350 | 1   | #0   | QPSK  | 21.82 | 1.08 | 22.90 | 194.98 | 2000 | PASS |
| Band7 | 20 | 21350 | 1   | #Mid | QPSK  | 21.70 | 1.08 | 22.78 | 189.67 | 2000 | PASS |
| Band7 | 20 | 21350 | 1   | #Max | QPSK  | 21.53 | 1.08 | 22.61 | 182.39 | 2000 | PASS |
| Band7 | 20 | 21350 | 50  | #0   | QPSK  | 20.63 | 1.08 | 21.71 | 148.25 | 2000 | PASS |
| Band7 | 20 | 21350 | 50  | #Max | QPSK  | 20.46 | 1.08 | 21.54 | 142.56 | 2000 | PASS |
| Band7 | 20 | 21350 | 100 | #0   | QPSK  | 20.47 | 1.08 | 21.55 | 142.89 | 2000 | PASS |
| Band7 | 20 | 21350 | 1   | #0   | QAM16 | 20.43 | 1.08 | 21.51 | 141.58 | 2000 | PASS |
| Band7 | 20 | 21350 | 1   | #Mid | QAM16 | 20.33 | 1.08 | 21.41 | 138.36 | 2000 | PASS |
| Band7 | 20 | 21350 | 1   | #Max | QAM16 | 21.15 | 1.08 | 22.23 | 167.11 | 2000 | PASS |
| Band7 | 20 | 21350 | 50  | #0   | QAM16 | 19.63 | 1.08 | 20.71 | 117.76 | 2000 | PASS |
| Band7 | 20 | 21350 | 50  | #Max | QAM16 | 19.51 | 1.08 | 20.59 | 114.55 | 2000 | PASS |
| Band7 | 20 | 21350 | 100 | #0   | QAM16 | 19.59 | 1.08 | 20.67 | 116.68 | 2000 | PASS |

## 2 Frequency stability

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperature<br>(°C) | Result(Hz) | Result<br>(ppm) | Limit<br>(ppm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|------------------|---------------------|------------|-----------------|----------------|---------|
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | VL               | NT                  | 5.29       | 0.008           | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | VN               | NT                  | -3.10      | -0.004          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | VH               | NT                  | -10.24     | -0.015          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | 50                  | -15.16     | -0.022          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | 40                  | -19.98     | -0.028          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | 30                  | -23.60     | -0.034          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | 20                  | -28.81     | -0.041          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | 10                  | -31.95     | -0.045          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | 0                   | -34.81     | -0.049          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | -10                 | -37.90     | -0.054          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | -20                 | -40.22     | -0.057          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QPSK       | NV               | -30                 | -42.42     | -0.060          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QAM16      | VL               | NT                  | -44.37     | -0.063          | ±2.5           | PASS    |
| Band12 | 10                 | 23060         | 50         | #0             | QAM16      | VN               | NT                  | -40.28     | -0.057          | ±2.5           | PASS    |

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|--------|----|-------|----|----|-------|----|-----|--------|--------|------|------|
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | VH | NT  | -36.96 | -0.053 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | 50  | -34.97 | -0.050 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | 40  | -32.90 | -0.047 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | 30  | -31.35 | -0.045 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | 20  | -29.54 | -0.042 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | 10  | -28.40 | -0.040 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | 0   | -26.56 | -0.038 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | -10 | -26.33 | -0.037 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | -20 | -26.03 | -0.037 | ±2.5 | PASS |
| Band12 | 10 | 23060 | 50 | #0 | QAM16 | NV | -30 | -24.76 | -0.035 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | VL | NT  | 7.72   | 0.011  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | VN | NT  | 4.39   | 0.006  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | VH | NT  | -0.71  | -0.001 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 50  | -3.36  | -0.005 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 40  | -5.16  | -0.007 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 30  | -7.29  | -0.010 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 20  | -9.58  | -0.014 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 10  | -11.02 | -0.016 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | 0   | -13.67 | -0.019 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | -10 | -14.50 | -0.020 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | -20 | -15.10 | -0.021 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QPSK  | NV | -30 | -16.62 | -0.023 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | VL | NT  | -16.35 | -0.023 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | VN | NT  | -11.73 | -0.017 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | VH | NT  | -7.51  | -0.011 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | 50  | -3.33  | -0.005 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | 40  | -0.91  | -0.001 | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | 30  | 1.75   | 0.002  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | 20  | 4.72   | 0.007  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | 10  | 6.83   | 0.010  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | 0   | 8.58   | 0.012  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | -10 | 10.29  | 0.015  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | -20 | 11.04  | 0.016  | ±2.5 | PASS |
| Band12 | 10 | 23095 | 50 | #0 | QAM16 | NV | -30 | 12.63  | 0.018  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | VL | NT  | 5.46   | 0.008  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | VN | NT  | 1.61   | 0.002  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | VH | NT  | -1.38  | -0.002 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 50  | -4.03  | -0.006 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 40  | -6.27  | -0.009 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 30  | -8.03  | -0.011 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 20  | -9.72  | -0.014 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 10  | -10.58 | -0.015 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | 0   | -12.14 | -0.017 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | -10 | -13.17 | -0.019 | ±2.5 | PASS |

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|--------|----|-------|----|----|-------|----|-----|--------|--------|------|------|
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | -20 | -14.16 | -0.020 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QPSK  | NV | -30 | -15.12 | -0.021 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | VL | NT  | -14.20 | -0.020 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | VN | NT  | -8.36  | -0.012 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | VH | NT  | -2.07  | -0.003 | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | 50  | 2.14   | 0.003  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | 40  | 5.99   | 0.008  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | 30  | 10.24  | 0.014  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | 20  | 13.67  | 0.019  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | 10  | 15.85  | 0.022  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | 0   | 18.53  | 0.026  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | -10 | 21.17  | 0.030  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | -20 | 23.36  | 0.033  | ±2.5 | PASS |
| Band12 | 10 | 23130 | 50 | #0 | QAM16 | NV | -30 | 26.36  | 0.037  | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | VL | NT  | 4.67   | 0.007  | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | VN | NT  | -0.80  | -0.001 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | VH | NT  | -4.87  | -0.007 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 50  | -8.29  | -0.012 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 40  | -11.75 | -0.017 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 30  | -13.40 | -0.019 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 20  | -15.27 | -0.022 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 10  | -16.72 | -0.024 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | 0   | -18.23 | -0.026 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | -10 | -19.34 | -0.027 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | -20 | -20.99 | -0.030 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QPSK  | NV | -30 | -22.73 | -0.032 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | VL | NT  | -23.68 | -0.033 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | VN | NT  | -19.72 | -0.028 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | VH | NT  | -16.27 | -0.023 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | 50  | -13.57 | -0.019 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | 40  | -11.05 | -0.016 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | 30  | -9.36  | -0.013 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | 20  | -7.49  | -0.011 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | 10  | -6.39  | -0.009 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | 0   | -4.82  | -0.007 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | -10 | -3.70  | -0.005 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | -20 | -2.56  | -0.004 | ±2.5 | PASS |
| Band17 | 10 | 23780 | 50 | #0 | QAM16 | NV | -30 | -1.18  | -0.002 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | VL | NT  | 2.20   | 0.003  | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | VN | NT  | -4.23  | -0.006 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | VH | NT  | -10.48 | -0.015 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 50  | -14.40 | -0.020 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 40  | -18.38 | -0.026 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50 | #0 | QPSK  | NV | 30  | -22.38 | -0.032 | ±2.5 | PASS |

## Report

|        |    |       |     |    |       |    |     |        |        |      |      |
|--------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band17 | 10 | 23790 | 50  | #0 | QPSK  | NV | 20  | -24.69 | -0.035 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QPSK  | NV | 10  | -26.56 | -0.037 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QPSK  | NV | 0   | -28.69 | -0.040 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QPSK  | NV | -10 | -29.76 | -0.042 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QPSK  | NV | -20 | -32.05 | -0.045 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QPSK  | NV | -30 | -33.90 | -0.048 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | VL | NT  | -34.61 | -0.049 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | VN | NT  | -28.69 | -0.040 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | VH | NT  | -23.98 | -0.034 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | 50  | -20.71 | -0.029 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | 40  | -16.92 | -0.024 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | 30  | -14.47 | -0.020 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | 20  | -12.34 | -0.017 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | 10  | -8.96  | -0.013 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | 0   | -6.20  | -0.009 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | -10 | -4.27  | -0.006 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | -20 | -2.76  | -0.004 | ±2.5 | PASS |
| Band17 | 10 | 23790 | 50  | #0 | QAM16 | NV | -30 | -0.58  | -0.001 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | VL | NT  | 1.35   | 0.002  | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | VN | NT  | -3.77  | -0.005 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | VH | NT  | -8.03  | -0.011 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | 50  | -12.00 | -0.017 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | 40  | -14.80 | -0.021 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | 30  | -17.03 | -0.024 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | 20  | -19.71 | -0.028 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | 10  | -21.98 | -0.031 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | 0   | -23.66 | -0.033 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | -10 | -24.66 | -0.035 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | -20 | -25.89 | -0.036 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QPSK  | NV | -30 | -26.85 | -0.038 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | VL | NT  | -26.89 | -0.038 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | VN | NT  | -21.08 | -0.030 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | VH | NT  | -15.96 | -0.022 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | 50  | -11.04 | -0.016 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | 40  | -7.23  | -0.010 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | 30  | -4.56  | -0.006 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | 20  | -1.30  | -0.002 | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | 10  | 1.54   | 0.002  | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | 0   | 4.83   | 0.007  | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | -10 | 7.63   | 0.011  | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | -20 | 9.38   | 0.013  | ±2.5 | PASS |
| Band17 | 10 | 23800 | 50  | #0 | QAM16 | NV | -30 | 10.48  | 0.015  | ±2.5 | PASS |
| Band2  | 20 | 18700 | 100 | #0 | QPSK  | VL | NT  | 19.69  | 0.011  | ±2.5 | PASS |
| Band2  | 20 | 18700 | 100 | #0 | QPSK  | VN | NT  | -4.79  | -0.003 | ±2.5 | PASS |

## Report

|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | VH | NT  | -17.46 | -0.009 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 50  | -10.24 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 40  | -6.37  | -0.008 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 30  | -3.17  | -0.003 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 20  | -0.81  | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 10  | 1.29   | 0.002  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | 0   | 4.55   | 0.007  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | -10 | 6.47   | 0.010  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | -20 | 9.02   | 0.013  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK  | NV | -30 | 10.24  | 0.014  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | VL | NT  | 18.92  | 0.011  | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | VN | NT  | -8.93  | -0.013 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | VH | NT  | -31.31 | -0.017 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 50  | -28.23 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 40  | -28.68 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 30  | -33.81 | -0.018 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 20  | -25.62 | -0.014 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 10  | -26.50 | -0.014 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | 0   | -22.55 | -0.012 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | -10 | -28.10 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | -20 | -19.12 | -0.010 | ±2.5 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QAM16 | NV | -30 | -20.89 | -0.011 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | VL | NT  | -25.44 | -0.014 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | VN | NT  | -27.26 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | VH | NT  | -28.65 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 50  | -16.50 | -0.009 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 40  | -22.07 | -0.012 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 30  | -5.90  | -0.003 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 20  | -28.35 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 10  | -21.62 | -0.012 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | 0   | -31.09 | -0.017 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | -10 | -26.39 | -0.014 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | -20 | -46.29 | -0.025 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK  | NV | -30 | -2.78  | -0.001 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | VL | NT  | -12.00 | -0.006 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | VN | NT  | -7.06  | -0.004 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | VH | NT  | -6.22  | -0.003 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 50  | -9.44  | -0.005 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 40  | -12.28 | -0.007 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 30  | -15.36 | -0.008 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 20  | -16.16 | -0.009 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 10  | -19.12 | -0.010 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | 0   | -19.09 | -0.010 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | -10 | -20.68 | -0.011 | ±2.5 | PASS |

## Report

|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | -20 | -21.21 | -0.011 | ±2.5 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QAM16 | NV | -30 | -21.71 | -0.012 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | VL | NT  | -4.34  | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | VN | NT  | -38.92 | -0.020 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | VH | NT  | 0.64   | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 50  | -20.51 | -0.011 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 40  | -37.37 | -0.020 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 30  | -22.04 | -0.012 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 20  | -32.21 | -0.017 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 10  | -23.94 | -0.013 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | 0   | 6.68   | 0.004  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | -10 | -4.52  | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | -20 | -16.02 | -0.008 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK  | NV | -30 | -27.12 | -0.014 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | VL | NT  | -27.90 | -0.015 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | VN | NT  | -12.66 | -0.007 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | VH | NT  | -7.79  | -0.004 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 50  | -3.46  | -0.002 | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 40  | 0.68   | 0.000  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 30  | 4.34   | 0.002  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 20  | 8.32   | 0.004  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 10  | 12.31  | 0.006  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | 0   | 14.49  | 0.008  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | -10 | 17.92  | 0.009  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | -20 | 22.14  | 0.012  | ±2.5 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QAM16 | NV | -30 | 20.51  | 0.011  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | VL | NT  | 17.79  | 0.010  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | VN | NT  | 16.23  | 0.009  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | VH | NT  | 21.78  | 0.013  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 50  | 29.13  | 0.017  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 40  | 8.51   | 0.005  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 30  | 2.46   | 0.001  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 20  | 6.23   | 0.004  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 10  | 9.74   | 0.006  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 0   | 15.93  | 0.009  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -10 | 20.58  | 0.012  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -20 | 23.97  | 0.014  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -30 | 27.80  | 0.016  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | VL | NT  | 19.59  | 0.011  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | VN | NT  | 27.22  | 0.016  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | VH | NT  | 18.69  | 0.011  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 50  | 17.89  | 0.010  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 40  | 29.29  | 0.017  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 30  | 30.77  | 0.018  | ±2.5 | PASS |

## Report

|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 20  | 15.59  | 0.009  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 10  | 27.76  | 0.016  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | 0   | 4.79   | 0.003  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | -10 | 8.25   | 0.005  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | -20 | 14.59  | 0.008  | ±2.5 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | NV | -30 | 23.05  | 0.013  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | VL | NT  | -12.88 | -0.007 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | VN | NT  | -26.72 | -0.015 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | VH | NT  | -31.29 | -0.018 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 50  | -31.48 | -0.018 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 40  | -5.20  | -0.003 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 30  | -9.64  | -0.006 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 20  | -19.15 | -0.011 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 10  | -25.52 | -0.015 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 0   | -7.35  | -0.004 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -10 | -2.37  | -0.001 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -20 | -8.29  | -0.005 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -30 | -13.54 | -0.008 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | VL | NT  | -10.72 | -0.006 | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | VN | NT  | 8.29   | 0.005  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | VH | NT  | 17.32  | 0.010  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 50  | 22.01  | 0.013  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 40  | 28.79  | 0.017  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 30  | 33.37  | 0.019  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 20  | 38.76  | 0.022  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 10  | 41.41  | 0.024  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | 0   | 8.28   | 0.005  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | -10 | 12.93  | 0.007  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | -20 | 14.13  | 0.008  | ±2.5 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | NV | -30 | 16.66  | 0.010  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | VL | NT  | 5.83   | 0.003  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | VN | NT  | -27.27 | -0.016 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | VH | NT  | -24.81 | -0.014 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 50  | -23.68 | -0.014 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 40  | -35.10 | -0.020 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 30  | -43.01 | -0.025 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 20  | -28.08 | -0.016 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 10  | -37.47 | -0.021 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 0   | -12.48 | -0.007 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -10 | -0.57  | 0.000  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -20 | -8.08  | -0.005 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -30 | -12.63 | -0.007 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | VL | NT  | -12.03 | -0.007 | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | VN | NT  | -0.14  | 0.000  | ±2.5 | PASS |

## Report

|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | VH | NT  | 4.49   | 0.003  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 50  | 7.62   | 0.004  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 40  | 12.83  | 0.007  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 30  | 13.81  | 0.008  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 20  | 14.74  | 0.008  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 10  | 17.96  | 0.010  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | 0   | 20.12  | 0.012  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | -10 | 20.24  | 0.012  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | -20 | 20.28  | 0.012  | ±2.5 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | NV | -30 | 21.61  | 0.012  | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | VL | NT  | 2.28   | 0.003  | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | VN | NT  | -1.27  | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | VH | NT  | -5.53  | -0.007 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 50  | -8.86  | -0.011 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 40  | -12.23 | -0.015 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 30  | -15.13 | -0.018 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 20  | -17.03 | -0.021 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 10  | -19.02 | -0.023 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | 0   | -20.72 | -0.025 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | -10 | -23.18 | -0.028 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | -20 | -25.29 | -0.031 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QPSK  | NV | -30 | -26.29 | -0.032 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | VL | NT  | -26.70 | -0.032 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | VN | NT  | -21.04 | -0.025 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | VH | NT  | -15.47 | -0.019 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 50  | -11.32 | -0.014 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 40  | -7.73  | -0.009 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 30  | -4.24  | -0.005 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 20  | -1.55  | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 10  | 1.95   | 0.002  | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | 0   | 4.90   | 0.006  | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | -10 | 7.88   | 0.010  | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | -20 | 10.87  | 0.013  | ±2.5 | PASS |
| Band5 | 10 | 20450 | 50  | #0 | QAM16 | NV | -30 | 13.47  | 0.016  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | VL | NT  | 1.04   | 0.001  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | VN | NT  | -1.88  | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | VH | NT  | -6.09  | -0.007 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 50  | -9.98  | -0.012 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 40  | -13.23 | -0.016 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 30  | -14.67 | -0.018 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 20  | -16.43 | -0.020 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 10  | -17.93 | -0.021 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | 0   | -19.29 | -0.023 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | -10 | -20.87 | -0.025 | ±2.5 | PASS |

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|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | -20 | -21.61 | -0.026 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QPSK  | NV | -30 | -22.51 | -0.027 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | VL | NT  | -21.98 | -0.026 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | VN | NT  | -15.19 | -0.018 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | VH | NT  | -8.88  | -0.011 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | 50  | -3.77  | -0.005 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | 40  | -4.74  | -0.006 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | 30  | -6.78  | -0.008 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | 20  | -3.97  | -0.005 | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | 10  | -0.41  | 0.000  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | 0   | 3.30   | 0.004  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | -10 | 5.86   | 0.007  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | -20 | 8.22   | 0.010  | ±2.5 | PASS |
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | NV | -30 | 10.57  | 0.013  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | VL | NT  | 4.93   | 0.006  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | VN | NT  | -5.77  | -0.007 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | VH | NT  | -16.22 | -0.019 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | 50  | -24.03 | -0.028 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | 40  | -32.15 | -0.038 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | 30  | -37.66 | -0.045 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | 20  | -43.23 | -0.051 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | 10  | -47.07 | -0.056 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | 0   | -25.04 | -0.030 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | -10 | -9.15  | -0.011 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | -20 | -12.80 | -0.015 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QPSK  | NV | -30 | -14.93 | -0.018 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | VL | NT  | -16.63 | -0.020 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | VN | NT  | -9.09  | -0.011 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | VH | NT  | -1.65  | -0.002 | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | 50  | 4.19   | 0.005  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | 40  | 9.05   | 0.011  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | 30  | 13.44  | 0.016  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | 20  | 17.58  | 0.021  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | 10  | 20.08  | 0.024  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | 0   | 22.05  | 0.026  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | -10 | 25.84  | 0.031  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | -20 | 28.39  | 0.034  | ±2.5 | PASS |
| Band5 | 10 | 20600 | 50  | #0 | QAM16 | NV | -30 | 29.96  | 0.035  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | VL | NT  | 2.13   | 0.001  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | VN | NT  | -16.37 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | VH | NT  | -23.43 | -0.009 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 50  | -30.65 | -0.012 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 40  | -37.37 | -0.015 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 30  | -17.19 | -0.007 | ±2.5 | PASS |

## Report

|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 20  | -11.08 | -0.004 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 10  | -12.54 | -0.005 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 0   | -16.13 | -0.006 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -10 | -18.16 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -20 | -18.23 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -30 | -19.45 | -0.008 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | VL | NT  | -11.20 | -0.004 | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | VN | NT  | 23.74  | 0.009  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | VH | NT  | 44.68  | 0.018  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | 50  | 30.51  | 0.012  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | 40  | 45.89  | 0.018  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | 30  | -1.25  | 0.000  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | 20  | 14.03  | 0.006  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | 10  | 23.81  | 0.009  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | 0   | 37.86  | 0.015  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | -10 | 23.03  | 0.009  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | -20 | 20.88  | 0.008  | ±2.5 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QAM16 | NV | -30 | 29.09  | 0.012  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | VL | NT  | -11.70 | -0.005 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | VN | NT  | -40.89 | -0.016 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | VH | NT  | -28.89 | -0.011 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 50  | -38.66 | -0.015 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 40  | 5.10   | 0.002  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 30  | -8.33  | -0.003 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 20  | -20.59 | -0.008 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 10  | -29.28 | -0.012 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 0   | -39.66 | -0.016 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -10 | -18.69 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -20 | -17.22 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -30 | -24.59 | -0.010 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | VL | NT  | -17.10 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | VN | NT  | 16.86  | 0.007  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | VH | NT  | 39.53  | 0.016  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | 50  | 24.26  | 0.010  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | 40  | 35.57  | 0.014  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | 30  | 28.12  | 0.011  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | 20  | -2.27  | -0.001 | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | 10  | 8.42   | 0.003  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | 0   | 20.77  | 0.008  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | -10 | 29.75  | 0.012  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | -20 | 38.99  | 0.015  | ±2.5 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | NV | -30 | 42.98  | 0.017  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | VL | NT  | -22.65 | -0.009 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | VN | NT  | -32.55 | -0.013 | ±2.5 | PASS |

## Report

|       |    |       |     |    |       |    |     |        |        |      |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|------|
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | VH | NT  | 1.31   | 0.001  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 50  | -22.54 | -0.009 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 40  | -40.64 | -0.016 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 30  | -17.29 | -0.007 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 20  | -33.98 | -0.013 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 10  | -23.31 | -0.009 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 0   | -23.61 | -0.009 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -10 | -31.58 | -0.012 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -20 | -10.77 | -0.004 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -30 | -6.33  | -0.002 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | VL | NT  | -3.47  | -0.001 | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | VN | NT  | 25.16  | 0.010  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | VH | NT  | 11.24  | 0.004  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | 50  | 7.06   | 0.003  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | 40  | 20.21  | 0.008  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | 30  | 27.07  | 0.011  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | 20  | 35.83  | 0.014  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | 10  | 41.65  | 0.016  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | 0   | 45.59  | 0.018  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | -10 | 23.04  | 0.009  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | -20 | 21.61  | 0.008  | ±2.5 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QAM16 | NV | -30 | 27.78  | 0.011  | ±2.5 | PASS |

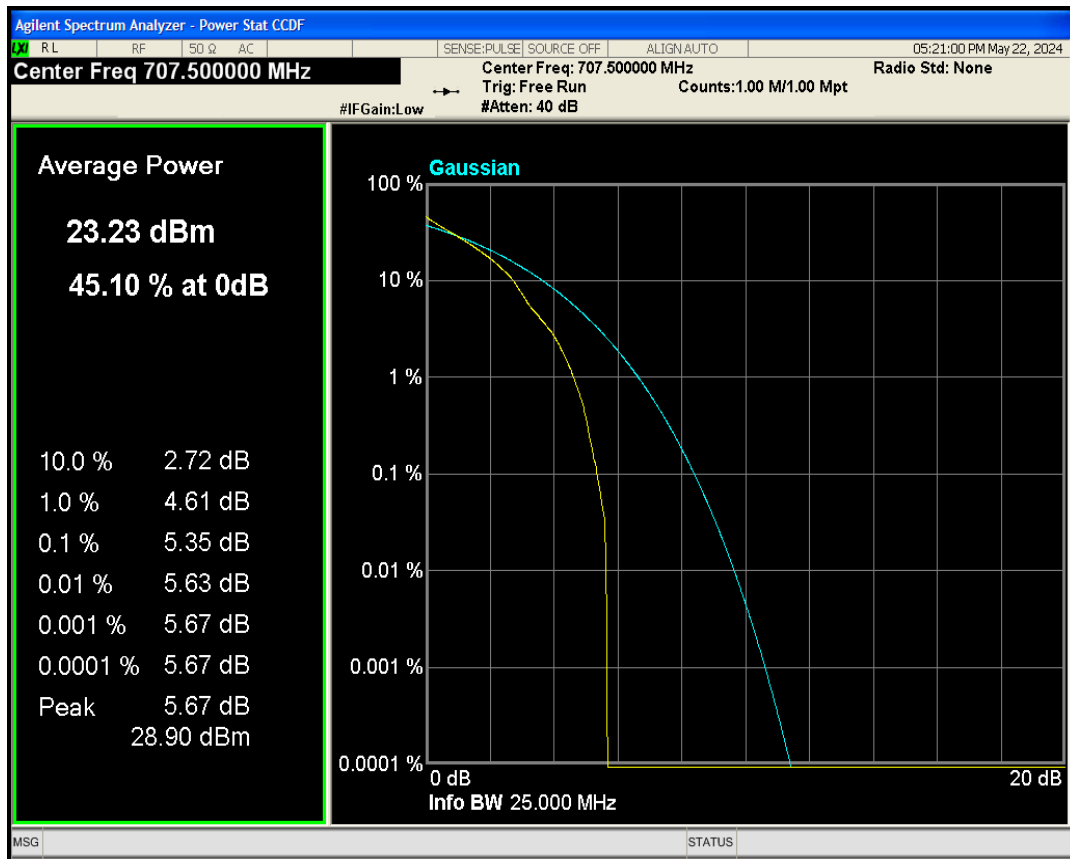
### 3 Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band12 | 1.4             | 23095      | 1       | #0          | QPSK       | 5.35        | 13              | PASS    |
| Band12 | 1.4             | 23095      | 1       | #0          | QAM16      | 6.01        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | QPSK       | 5.37        | 13              | PASS    |
| Band12 | 3               | 23095      | 1       | #0          | QAM16      | 6.59        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | QPSK       | 5.56        | 13              | PASS    |
| Band12 | 5               | 23095      | 1       | #0          | QAM16      | 6.31        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | QPSK       | 5.45        | 13              | PASS    |
| Band12 | 10              | 23095      | 1       | #0          | QAM16      | 6.65        | 13              | PASS    |
| Band17 | 5               | 23790      | 1       | #0          | QPSK       | 5.58        | 13              | PASS    |
| Band17 | 5               | 23790      | 1       | #0          | QAM16      | 6.36        | 13              | PASS    |
| Band17 | 10              | 23790      | 1       | #0          | QPSK       | 5.40        | 13              | PASS    |
| Band17 | 10              | 23790      | 1       | #0          | QAM16      | 6.68        | 13              | PASS    |
| Band2  | 1.4             | 18900      | 1       | #0          | QPSK       | 4.29        | 13              | PASS    |
| Band2  | 1.4             | 18900      | 1       | #0          | QAM16      | 5.00        | 13              | PASS    |
| Band2  | 3               | 18900      | 1       | #0          | QPSK       | 4.30        | 13              | PASS    |
| Band2  | 3               | 18900      | 1       | #0          | QAM16      | 5.44        | 13              | PASS    |
| Band2  | 5               | 18900      | 1       | #0          | QPSK       | 4.49        | 13              | PASS    |
| Band2  | 5               | 18900      | 1       | #0          | QAM16      | 5.52        | 13              | PASS    |
| Band2  | 10              | 18900      | 1       | #0          | QPSK       | 4.47        | 13              | PASS    |

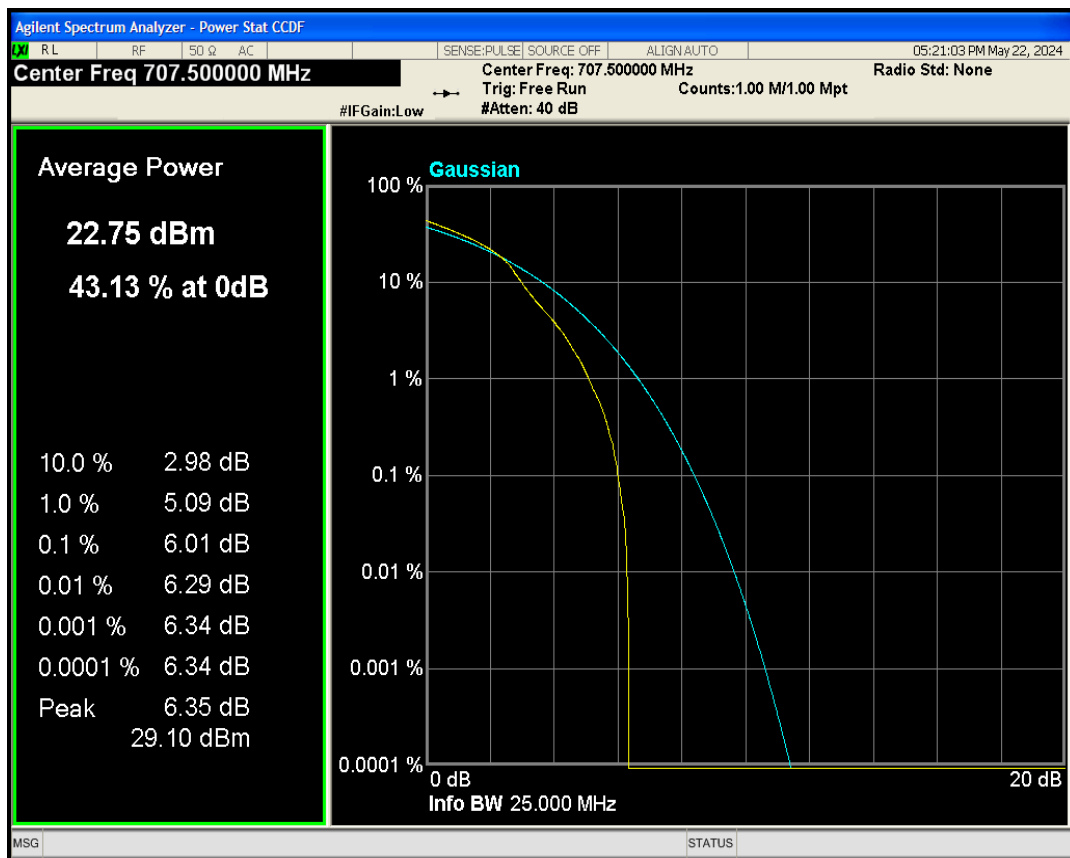
# Report

|       |     |       |   |    |       |      |    |      |
|-------|-----|-------|---|----|-------|------|----|------|
| Band2 | 10  | 18900 | 1 | #0 | QAM16 | 5.52 | 13 | PASS |
| Band2 | 15  | 18900 | 1 | #0 | QPSK  | 4.41 | 13 | PASS |
| Band2 | 15  | 18900 | 1 | #0 | QAM16 | 5.58 | 13 | PASS |
| Band2 | 20  | 18900 | 1 | #0 | QPSK  | 4.37 | 13 | PASS |
| Band2 | 20  | 18900 | 1 | #0 | QAM16 | 5.65 | 13 | PASS |
| Band4 | 1.4 | 20175 | 1 | #0 | QPSK  | 4.71 | 13 | PASS |
| Band4 | 1.4 | 20175 | 1 | #0 | QAM16 | 5.34 | 13 | PASS |
| Band4 | 3   | 20175 | 1 | #0 | QPSK  | 4.66 | 13 | PASS |
| Band4 | 3   | 20175 | 1 | #0 | QAM16 | 5.75 | 13 | PASS |
| Band4 | 5   | 20175 | 1 | #0 | QPSK  | 4.66 | 13 | PASS |
| Band4 | 5   | 20175 | 1 | #0 | QAM16 | 5.73 | 13 | PASS |
| Band4 | 10  | 20175 | 1 | #0 | QPSK  | 4.18 | 13 | PASS |
| Band4 | 10  | 20175 | 1 | #0 | QAM16 | 5.46 | 13 | PASS |
| Band4 | 15  | 20175 | 1 | #0 | QPSK  | 4.02 | 13 | PASS |
| Band4 | 15  | 20175 | 1 | #0 | QAM16 | 5.13 | 13 | PASS |
| Band4 | 20  | 20175 | 1 | #0 | QPSK  | 3.86 | 13 | PASS |
| Band4 | 20  | 20175 | 1 | #0 | QAM16 | 4.98 | 13 | PASS |
| Band5 | 1.4 | 20525 | 1 | #0 | QPSK  | 3.84 | 13 | PASS |
| Band5 | 1.4 | 20525 | 1 | #0 | QAM16 | 4.84 | 13 | PASS |
| Band5 | 3   | 20525 | 1 | #0 | QPSK  | 3.76 | 13 | PASS |
| Band5 | 3   | 20525 | 1 | #0 | QAM16 | 4.84 | 13 | PASS |
| Band5 | 5   | 20525 | 1 | #0 | QPSK  | 3.85 | 13 | PASS |
| Band5 | 5   | 20525 | 1 | #0 | QAM16 | 5.00 | 13 | PASS |
| Band5 | 10  | 20525 | 1 | #0 | QPSK  | 3.85 | 13 | PASS |
| Band5 | 10  | 20525 | 1 | #0 | QAM16 | 4.93 | 13 | PASS |
| Band7 | 5   | 21100 | 1 | #0 | QPSK  | 5.27 | 13 | PASS |
| Band7 | 5   | 21100 | 1 | #0 | QAM16 | 6.01 | 13 | PASS |
| Band7 | 10  | 21100 | 1 | #0 | QPSK  | 5.19 | 13 | PASS |
| Band7 | 10  | 21100 | 1 | #0 | QAM16 | 6.13 | 13 | PASS |
| Band7 | 15  | 21100 | 1 | #0 | QPSK  | 5.21 | 13 | PASS |
| Band7 | 15  | 21100 | 1 | #0 | QAM16 | 6.30 | 13 | PASS |
| Band7 | 20  | 21100 | 1 | #0 | QPSK  | 4.96 | 13 | PASS |
| Band7 | 20  | 21100 | 1 | #0 | QAM16 | 5.90 | 13 | PASS |

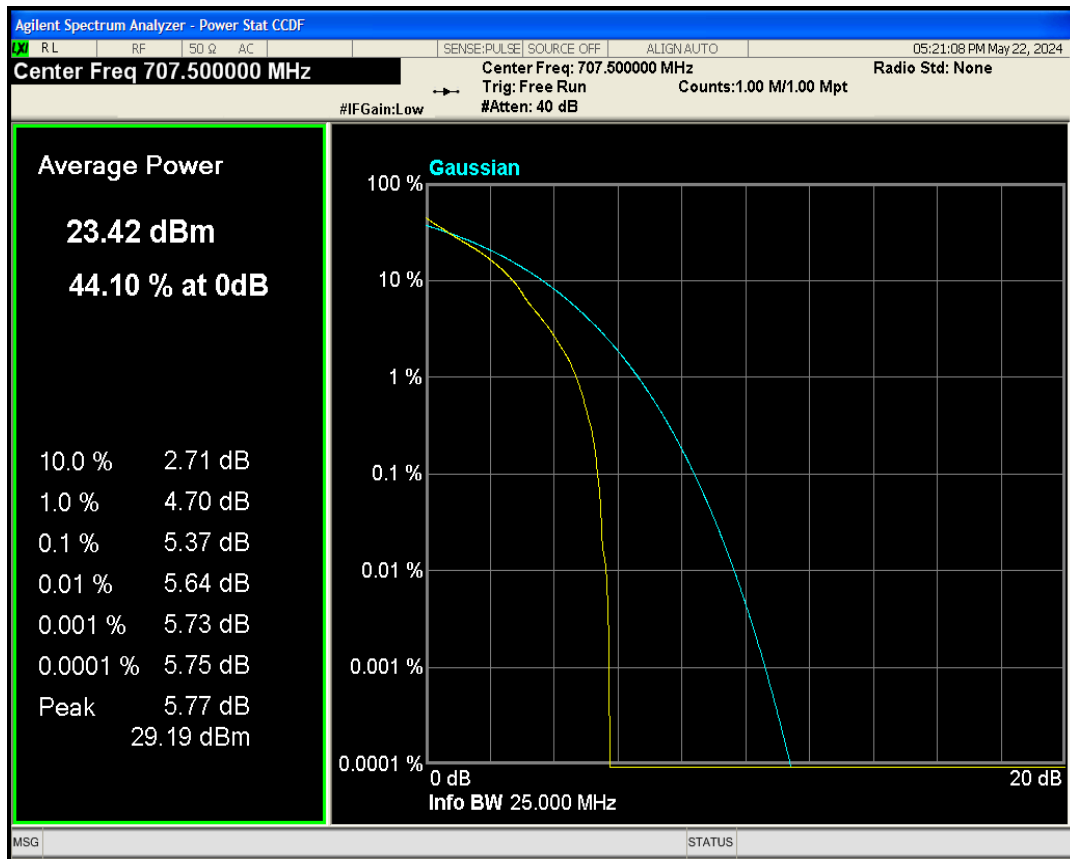
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



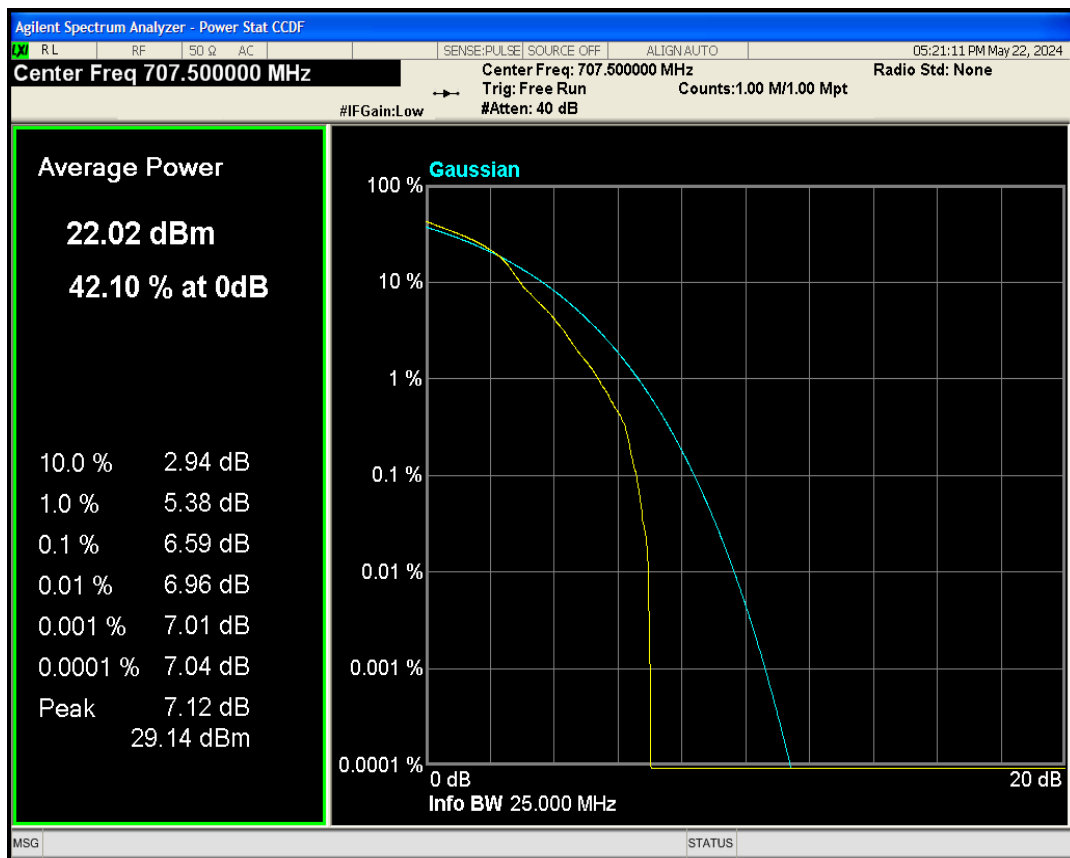
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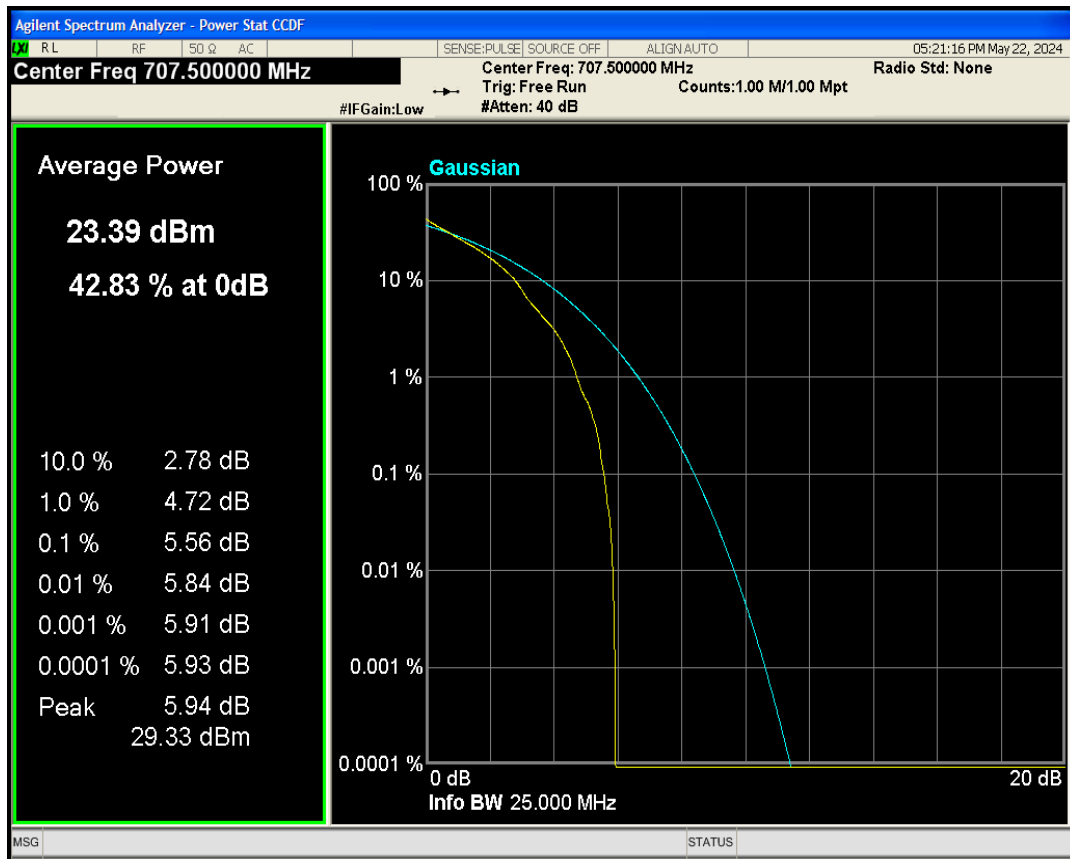
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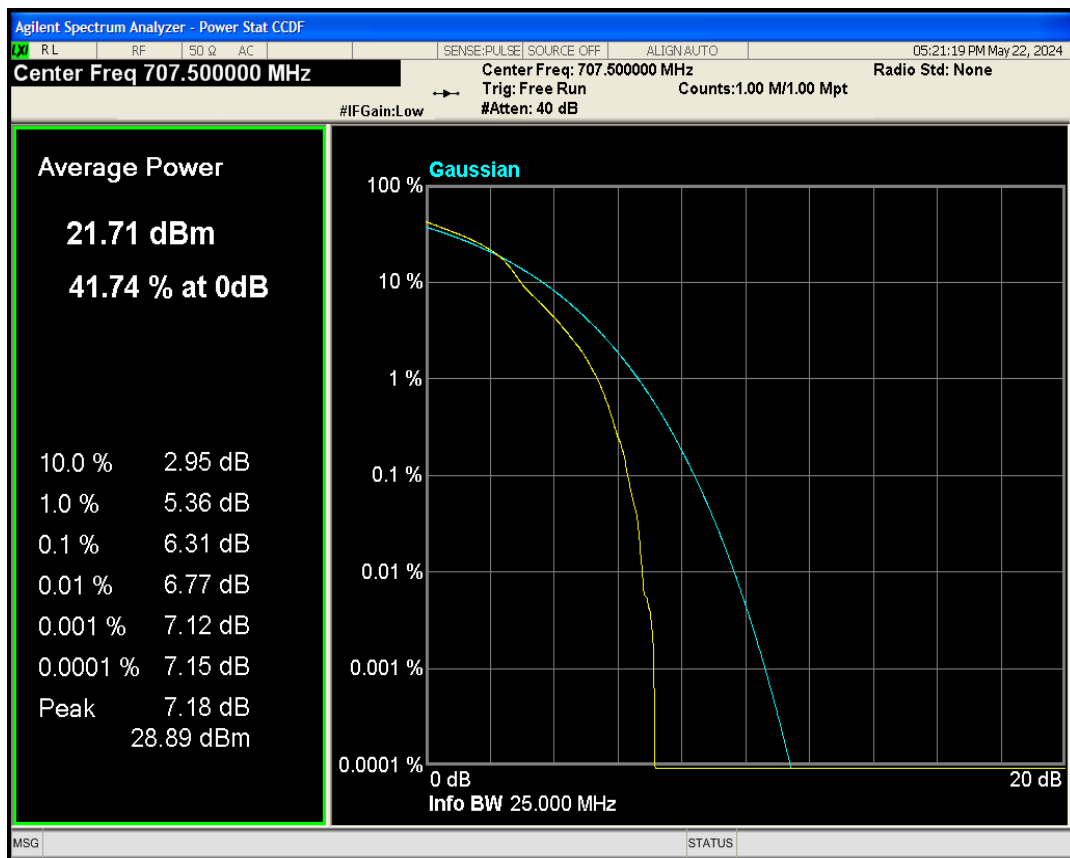
Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0



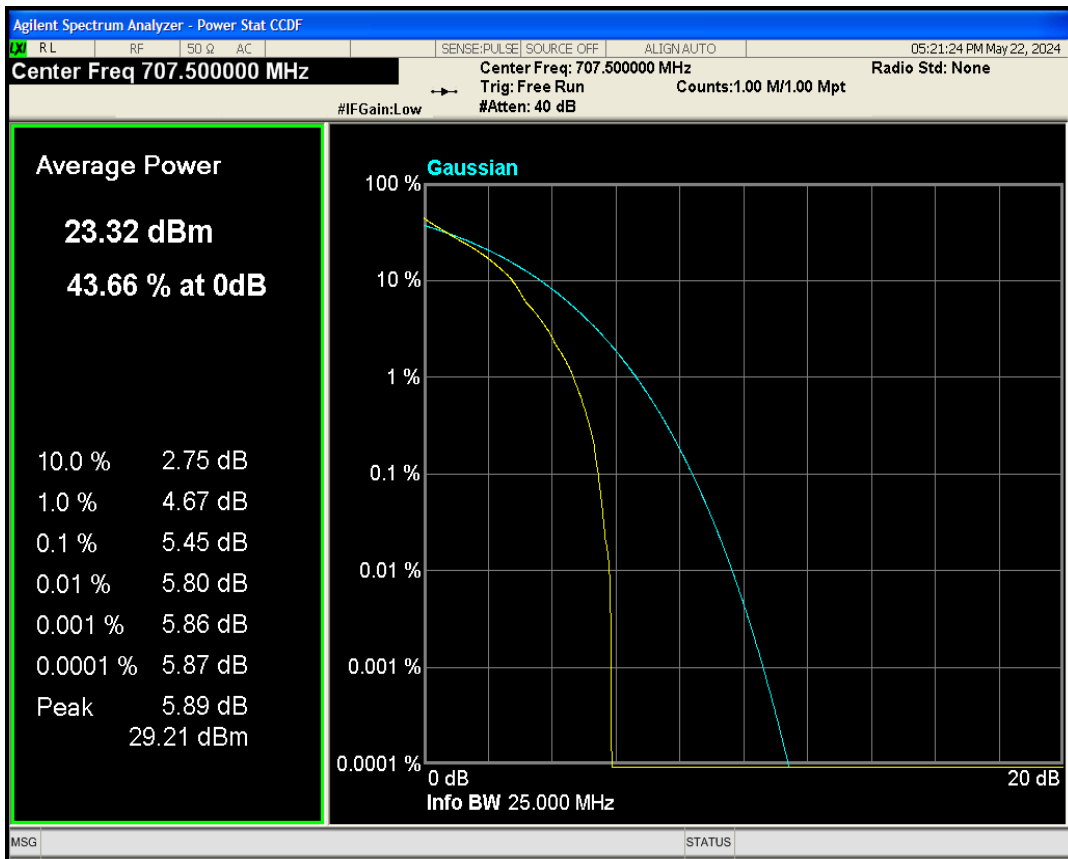
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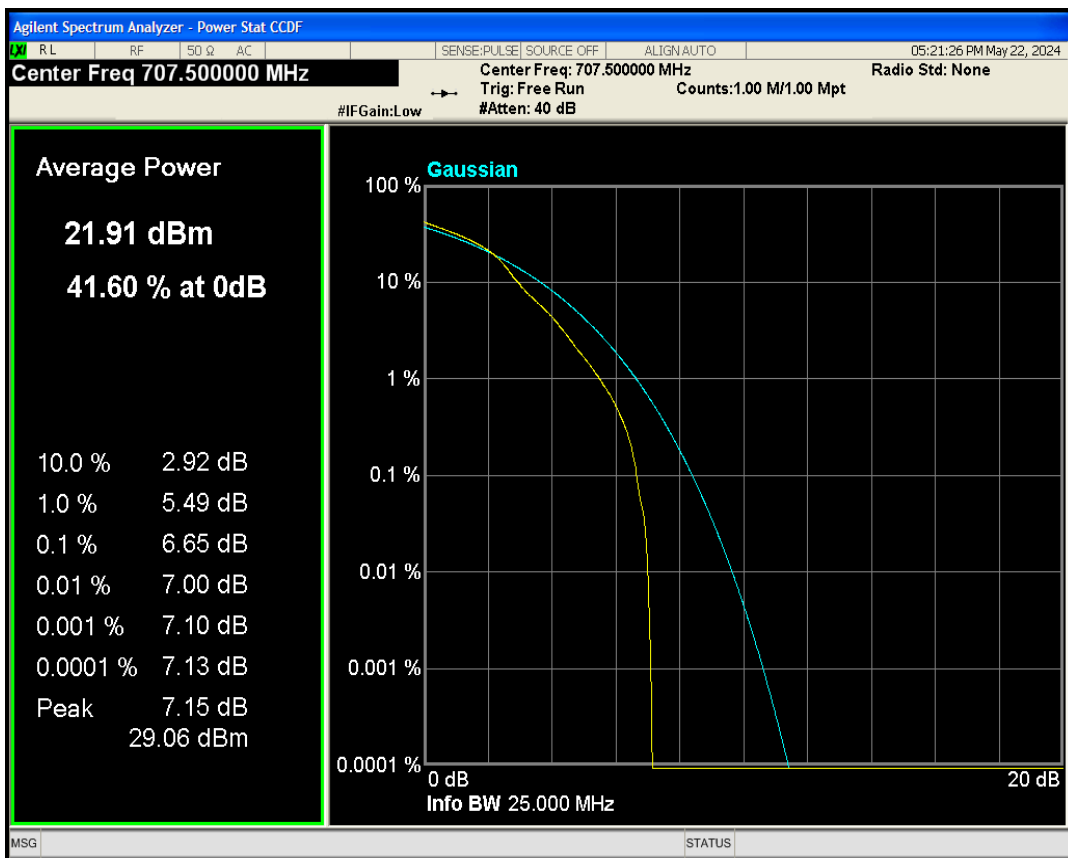
Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0



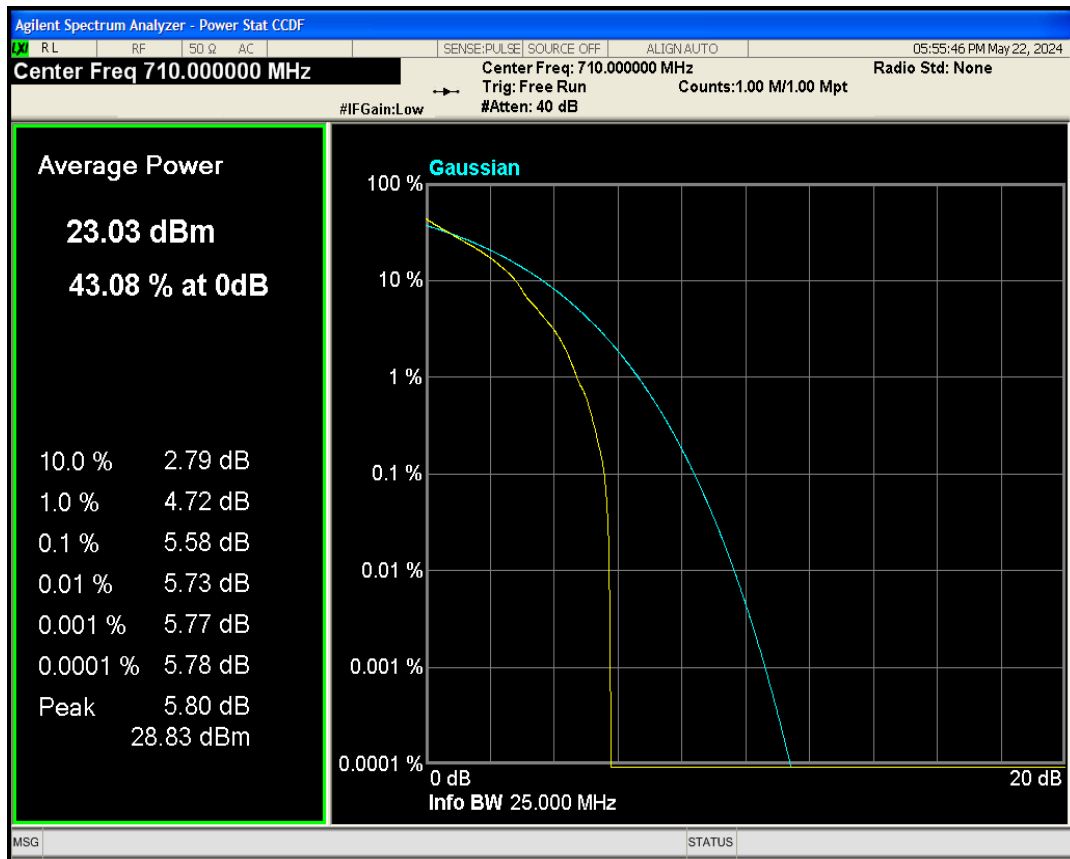
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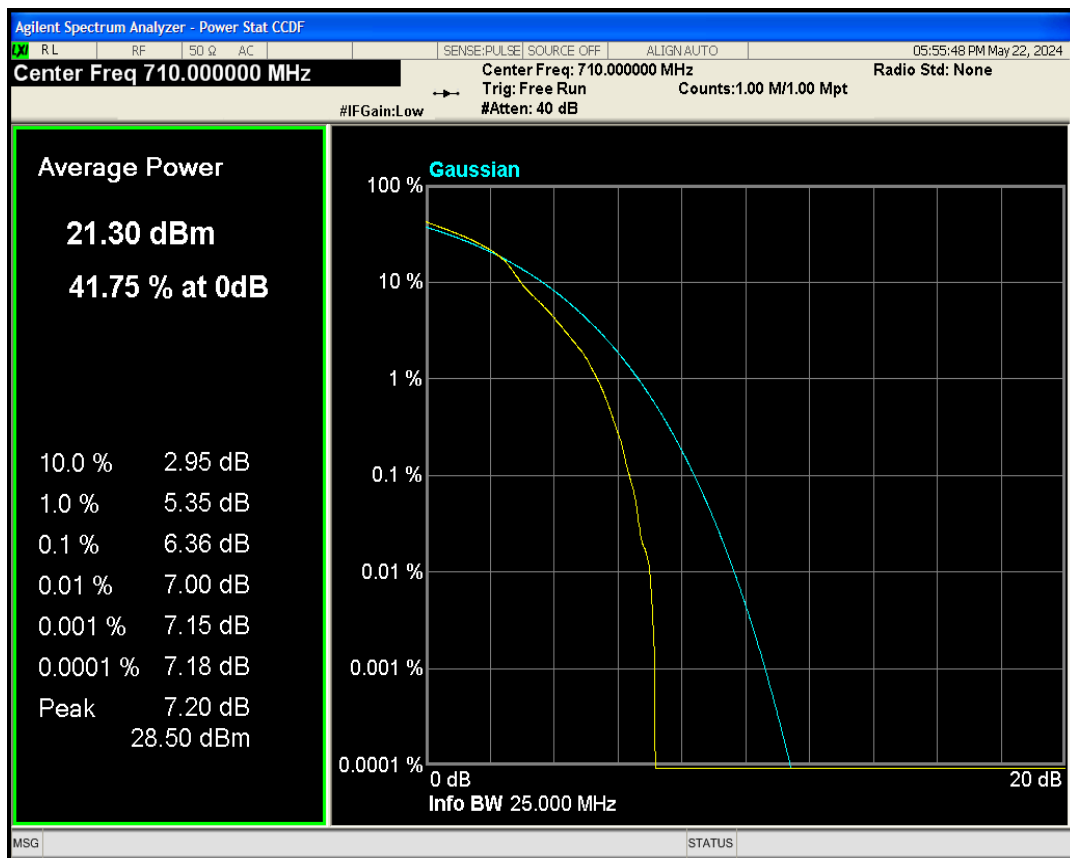
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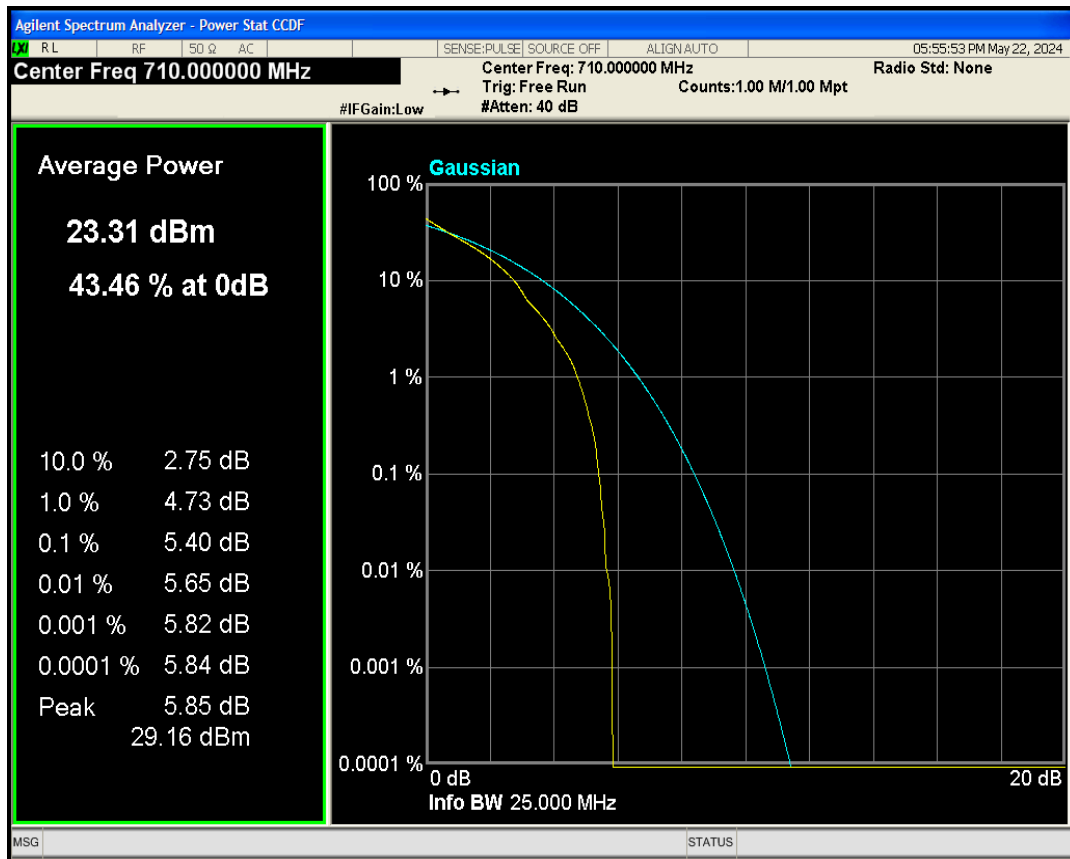
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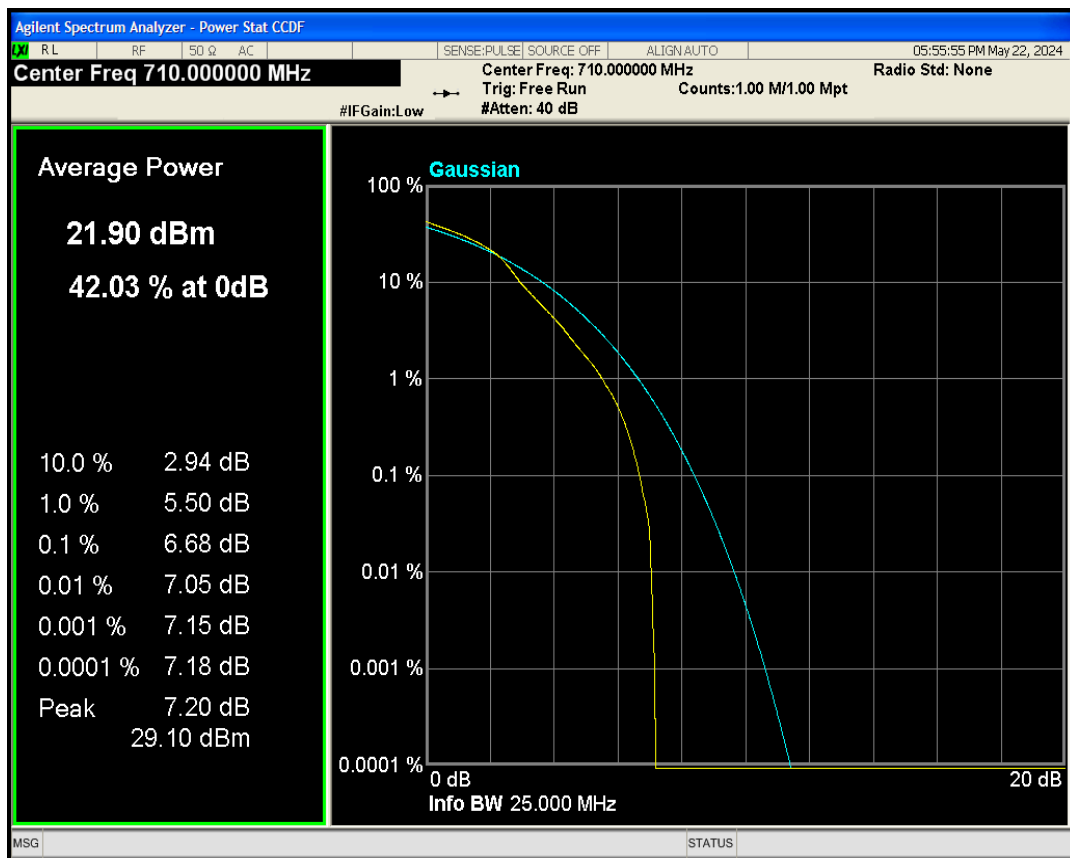
Band17 QAM16 BW=5MHz Channel=23790 RB Size=1 Position=#0



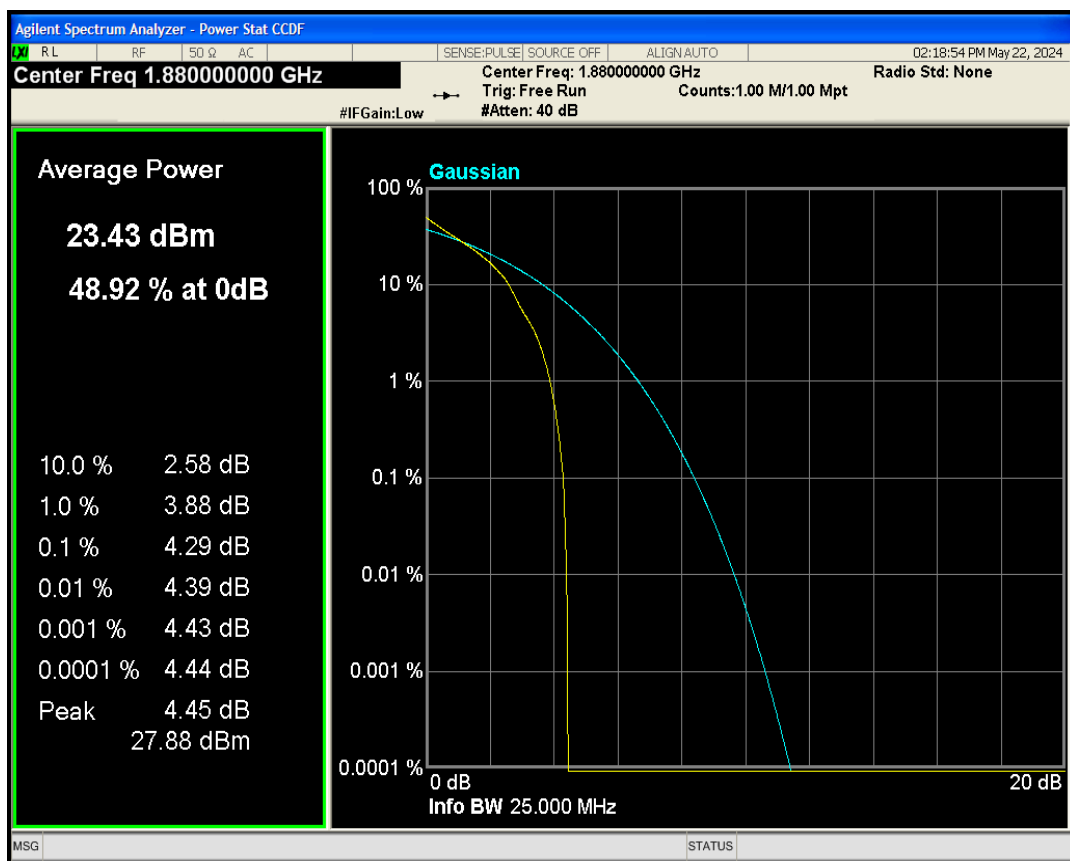
Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0



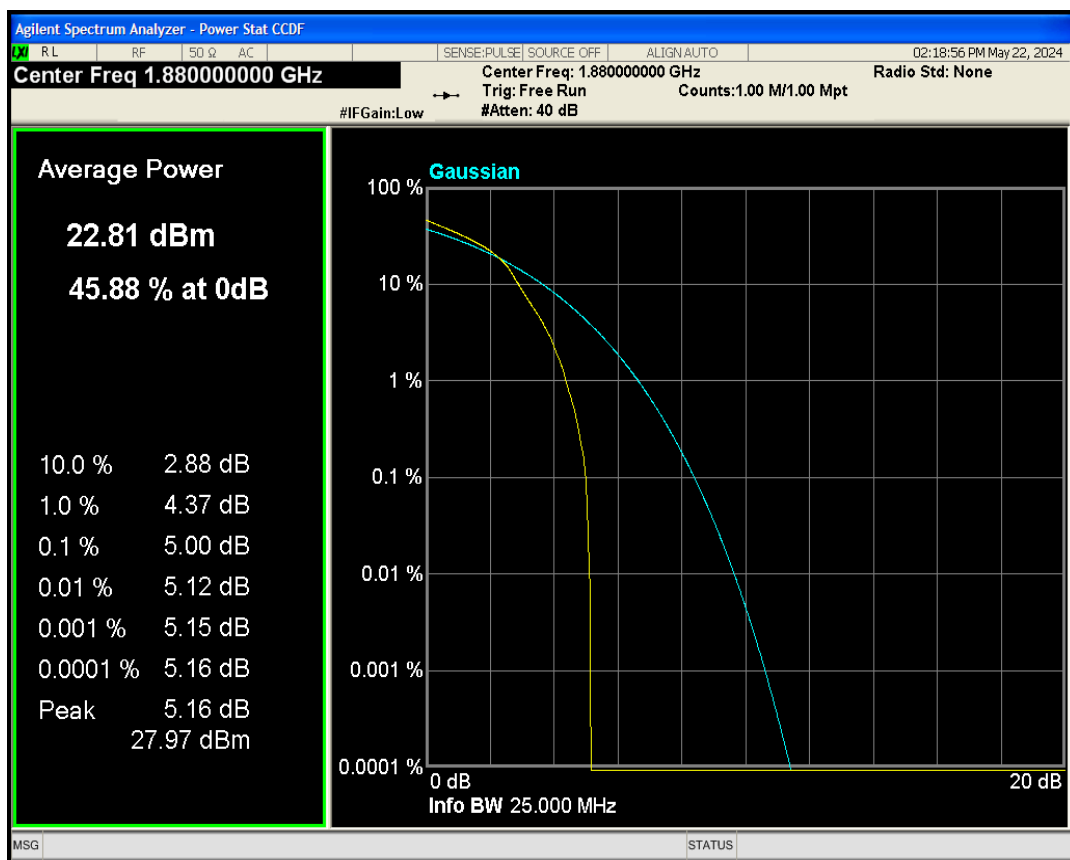
Band17 QAM16 BW=10MHz Channel=23790 RB Size=1 Position=#0



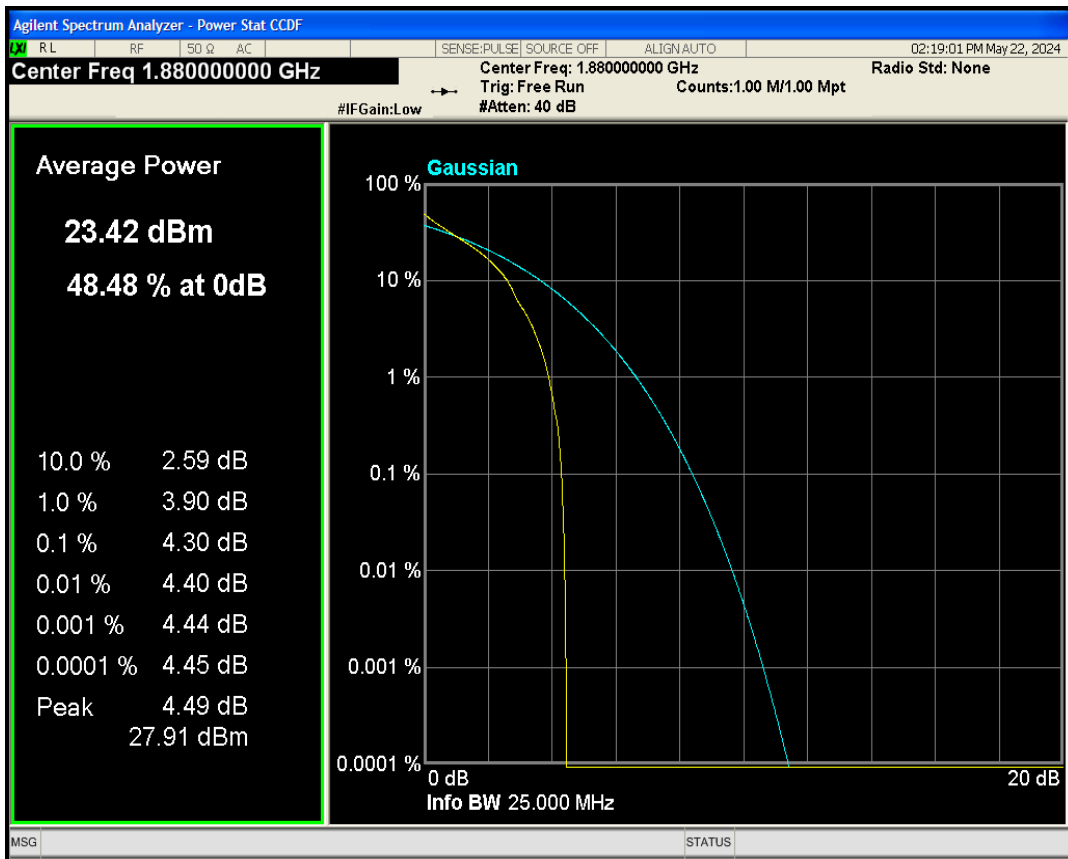
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



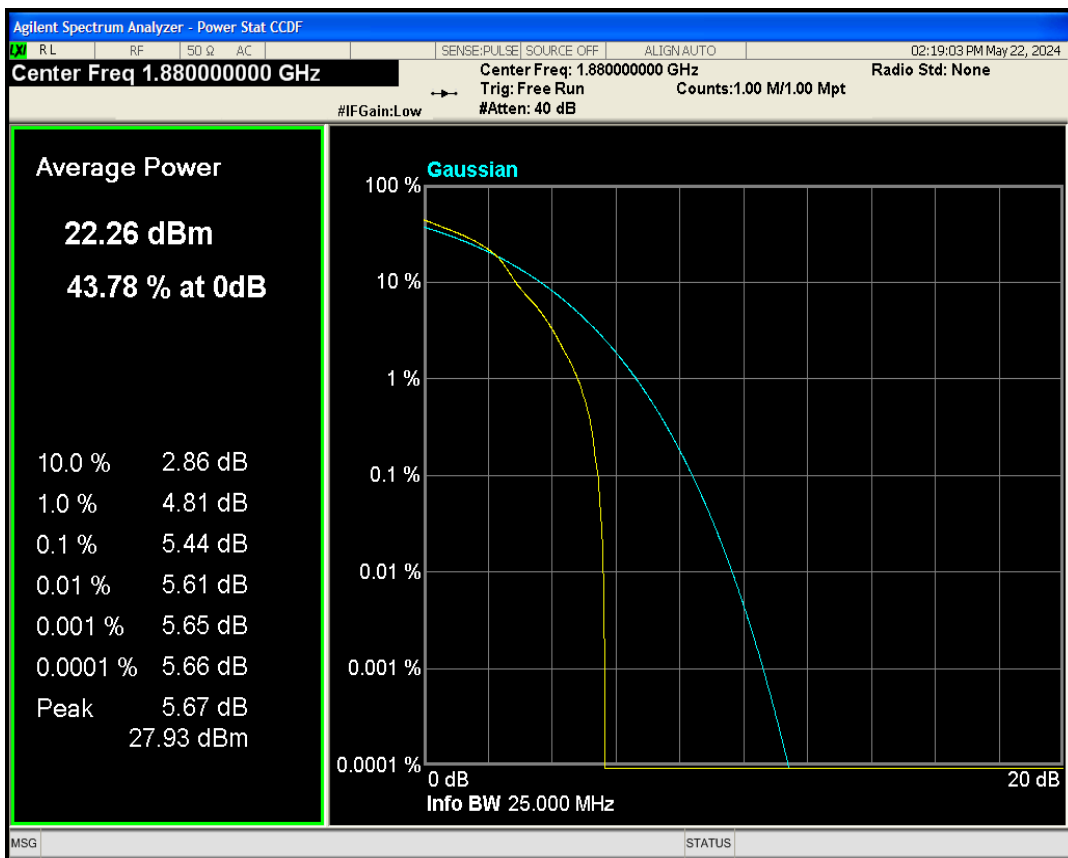
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=1 Position=#0



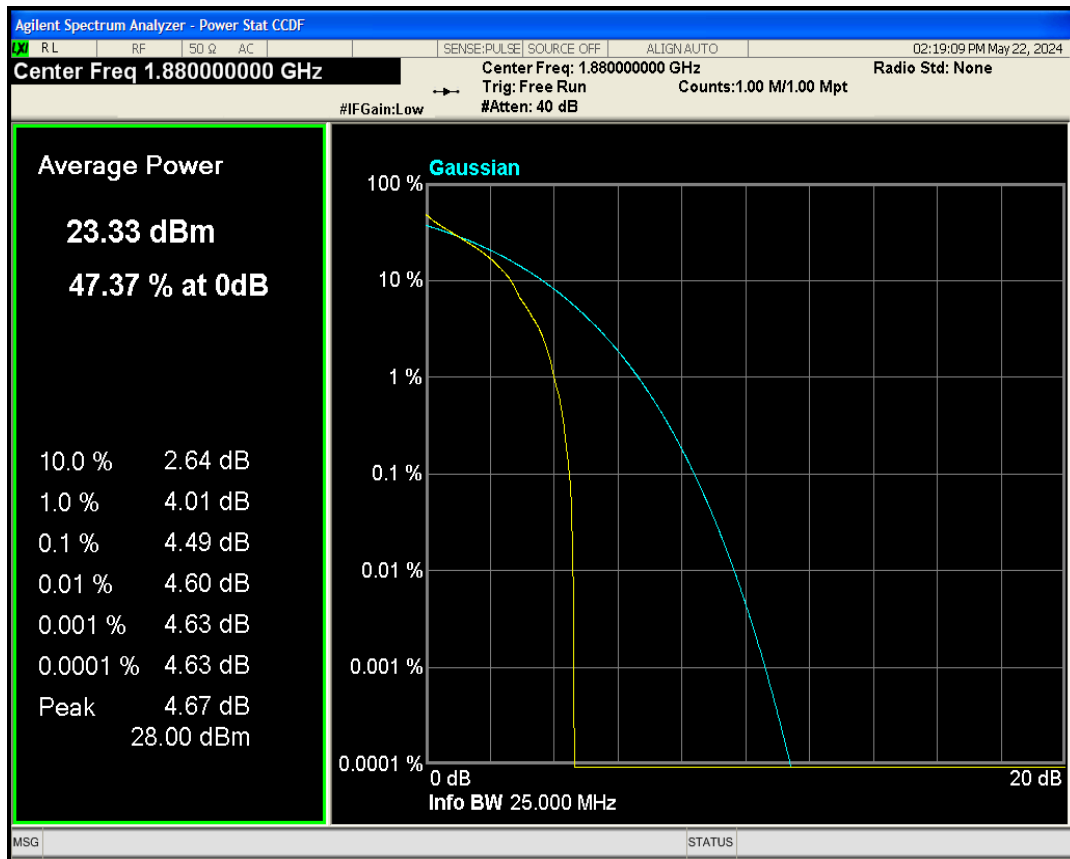
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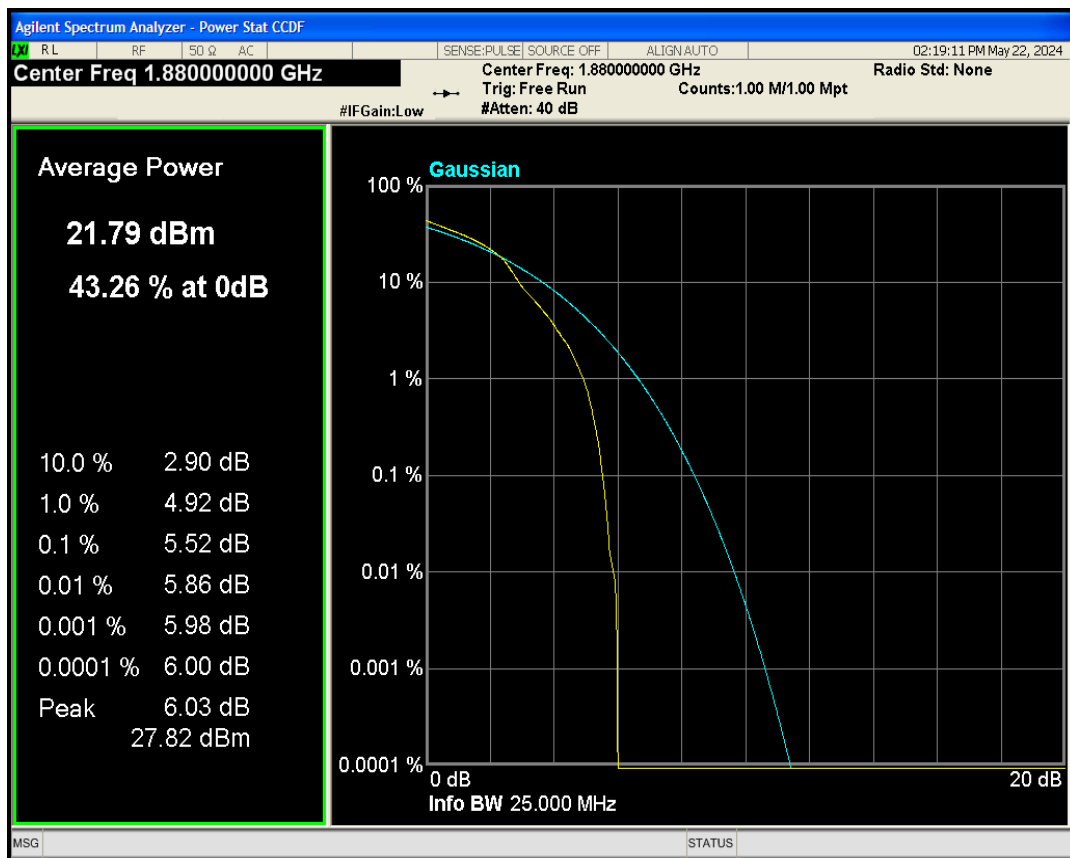
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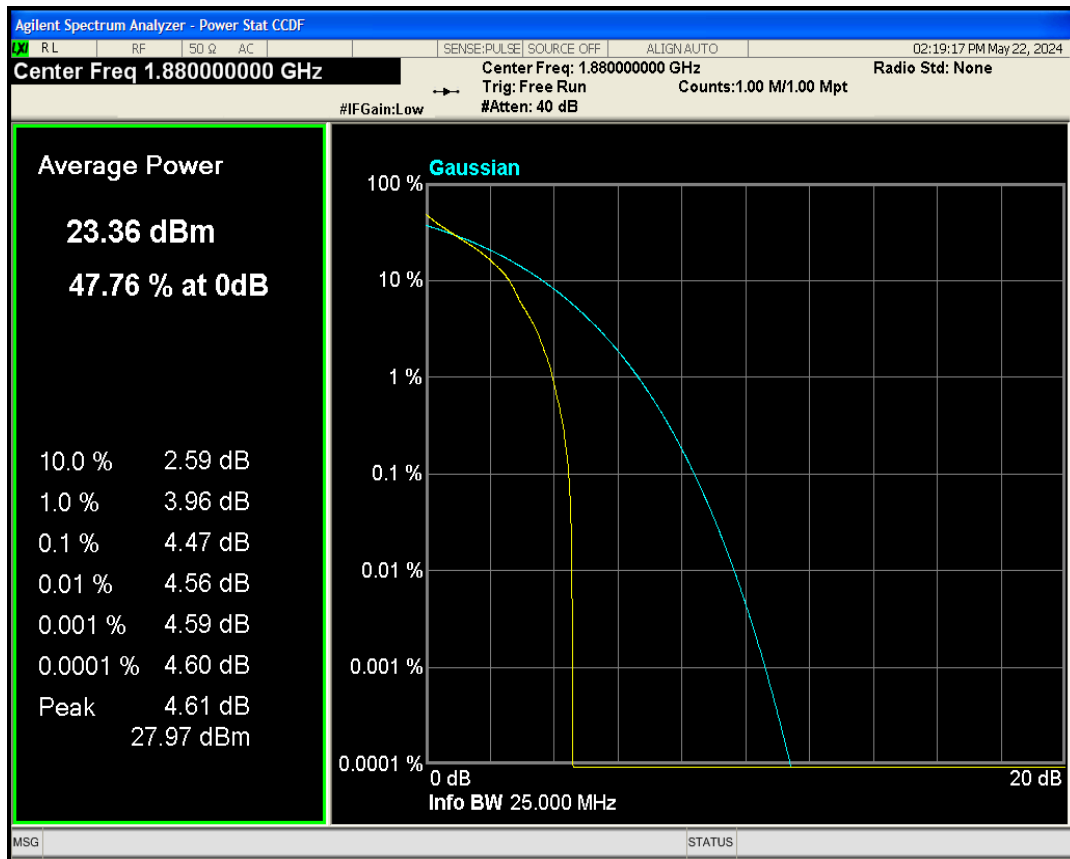
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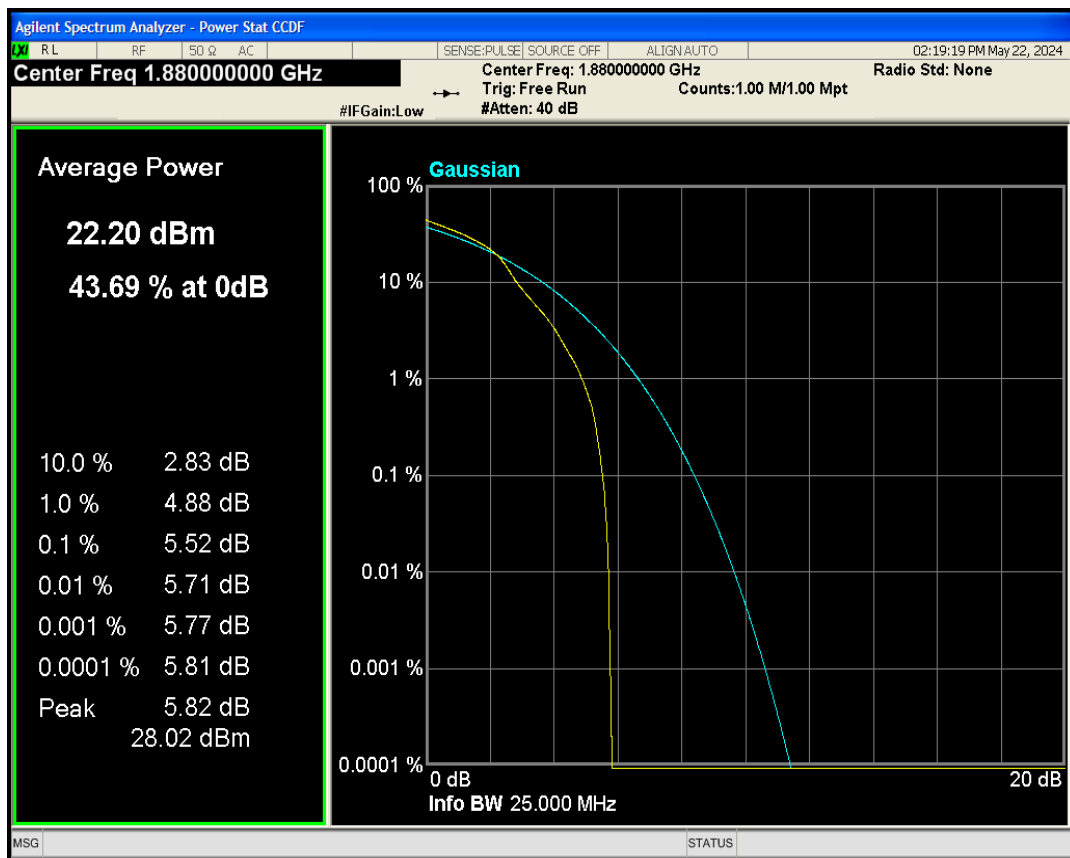
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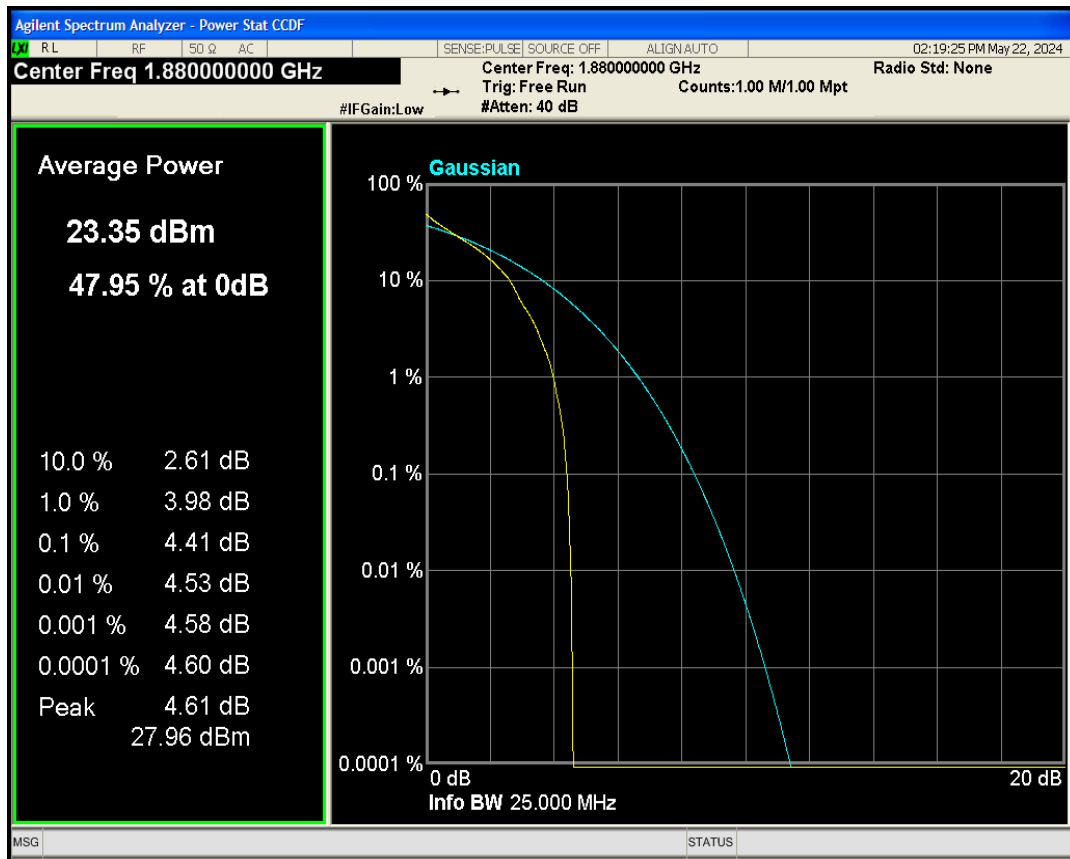
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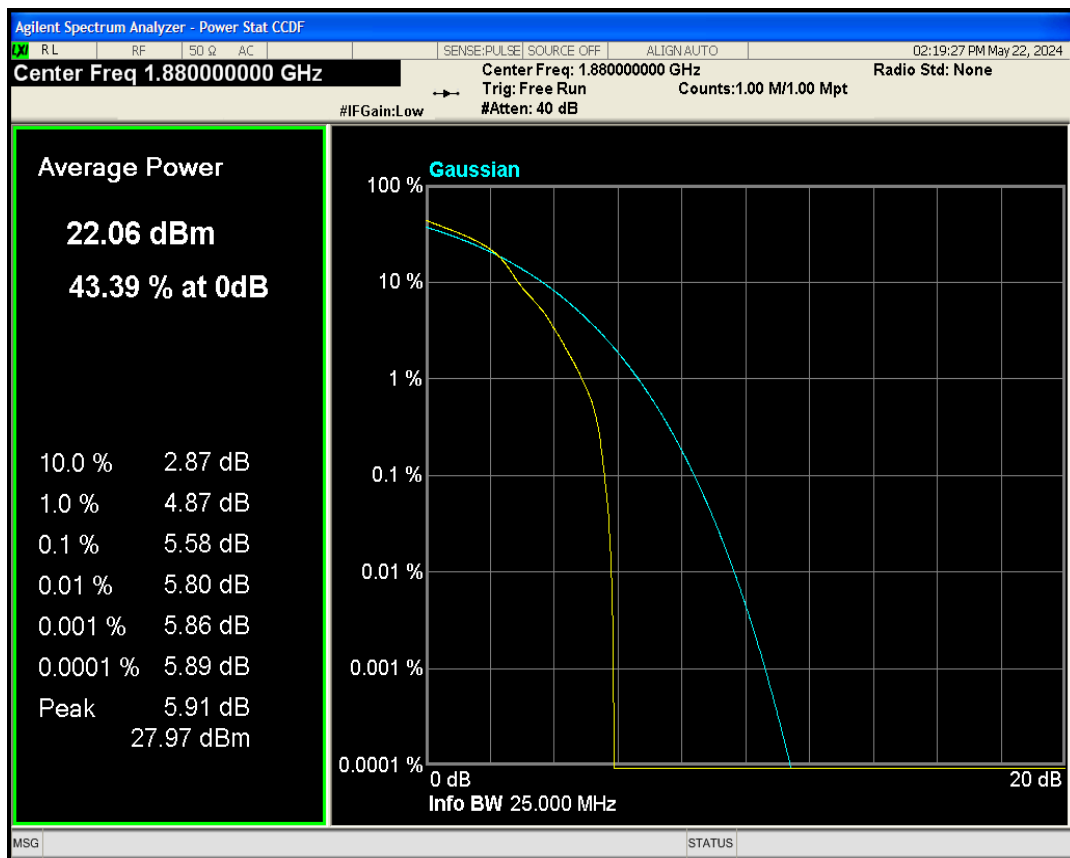
Band2 QAM16 BW=10MHz Channel=18900 RB Size=1 Position=#0



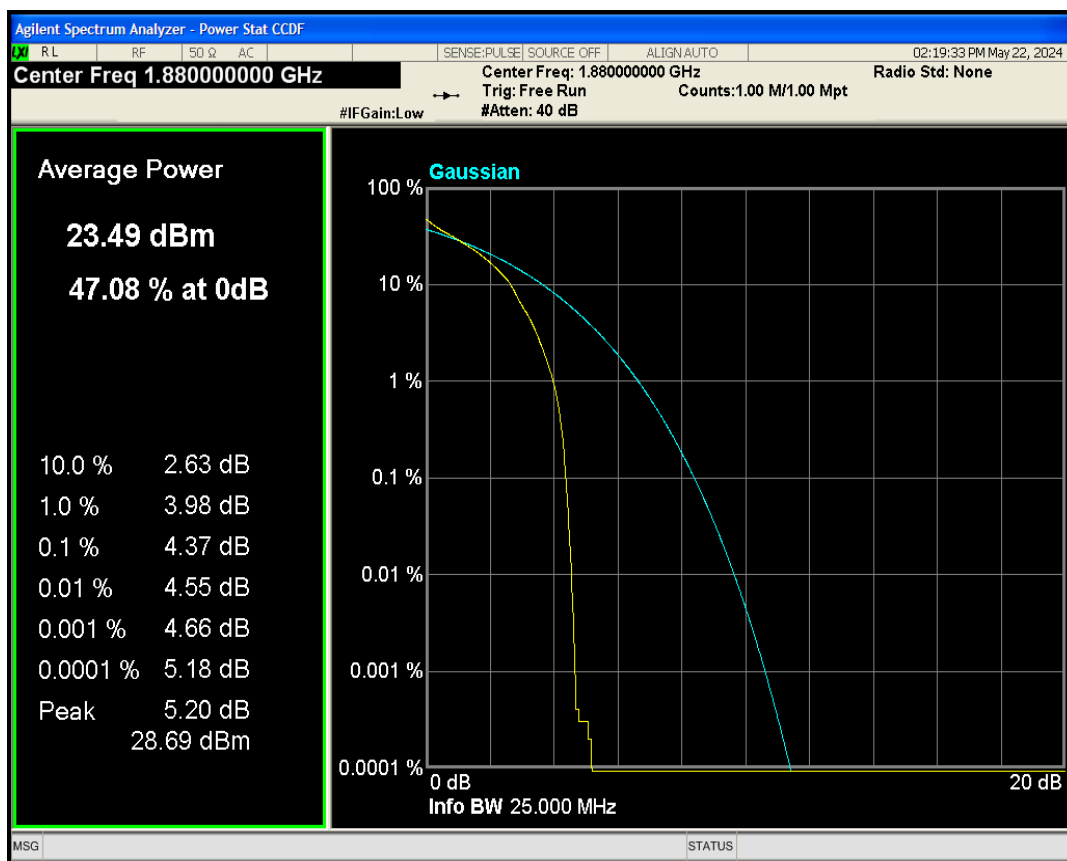
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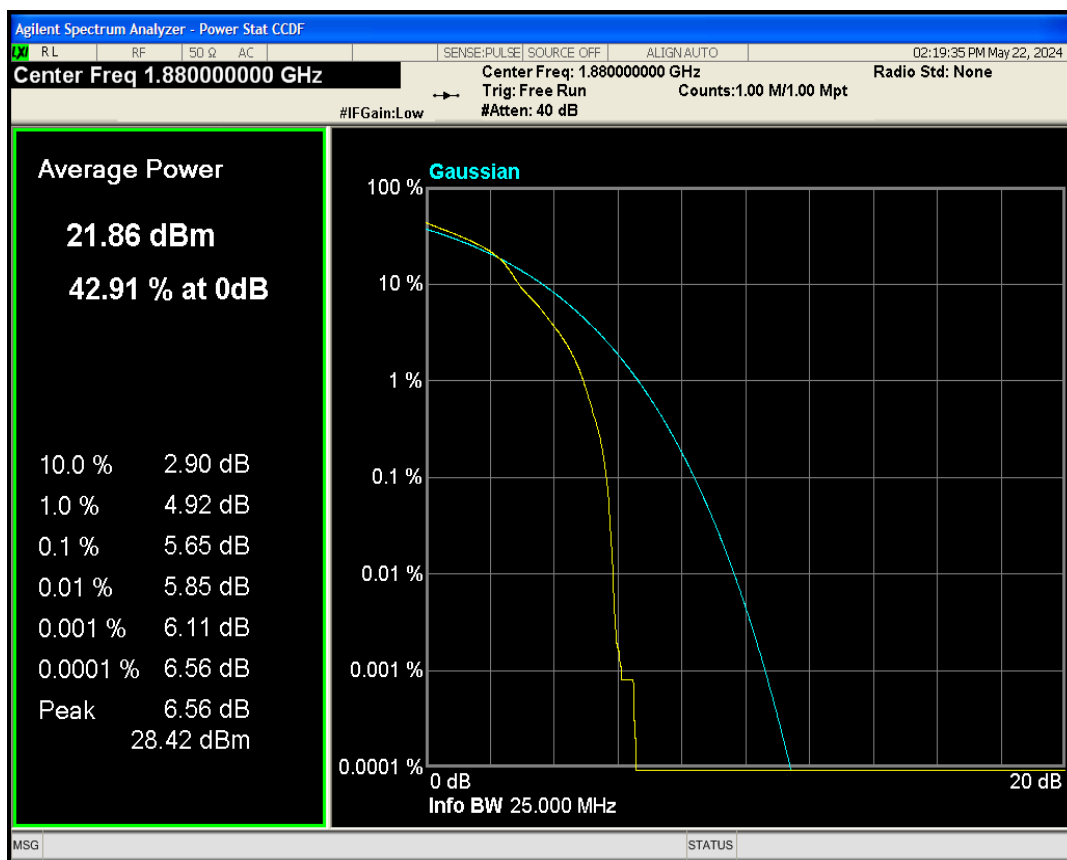
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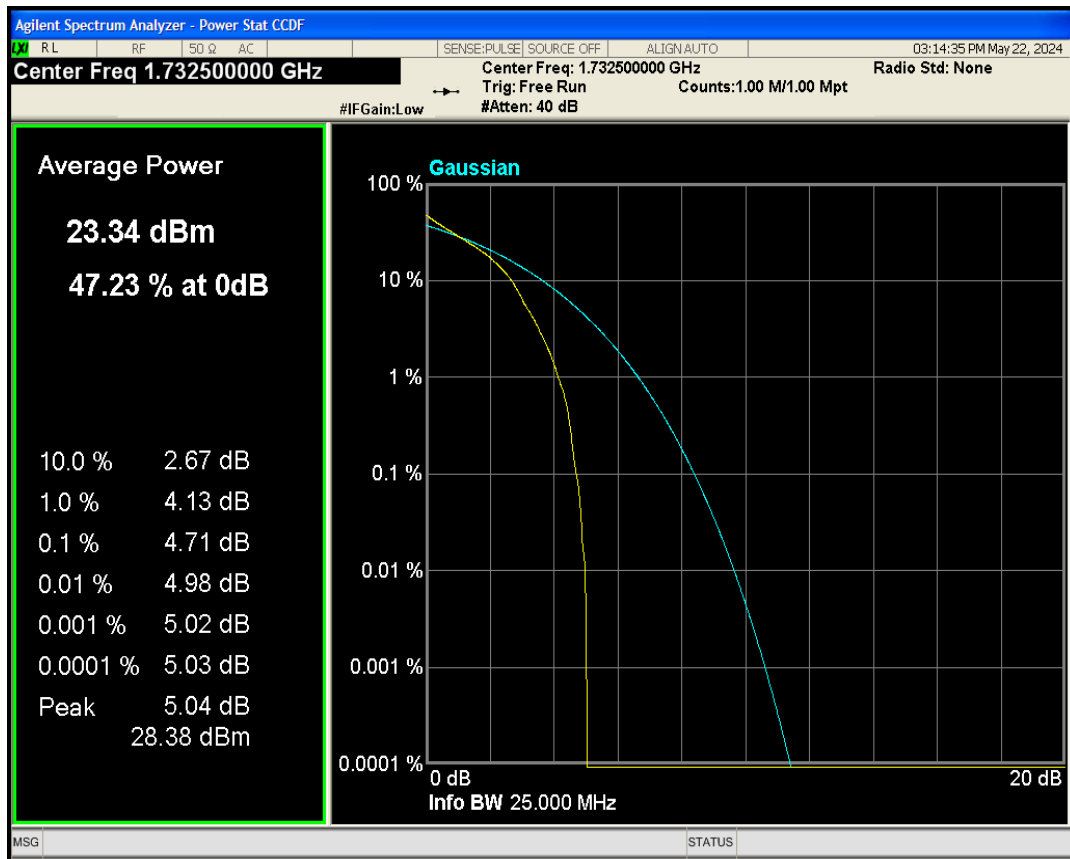
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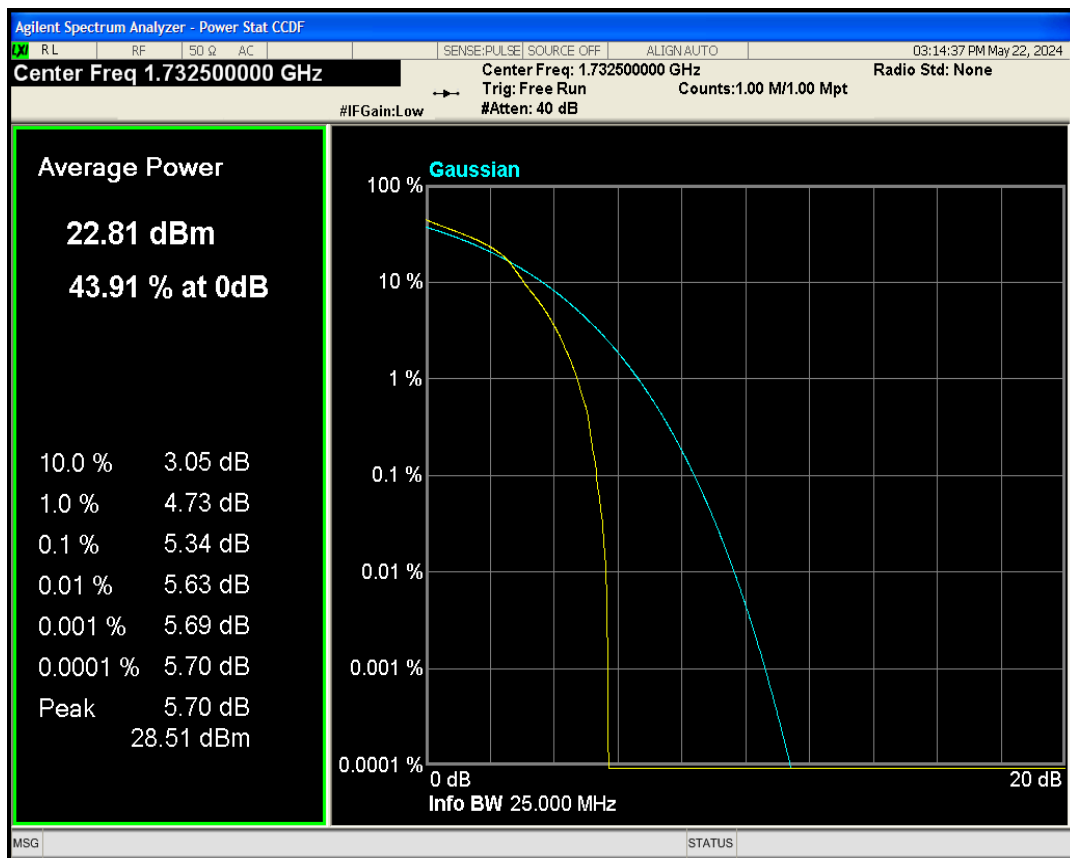
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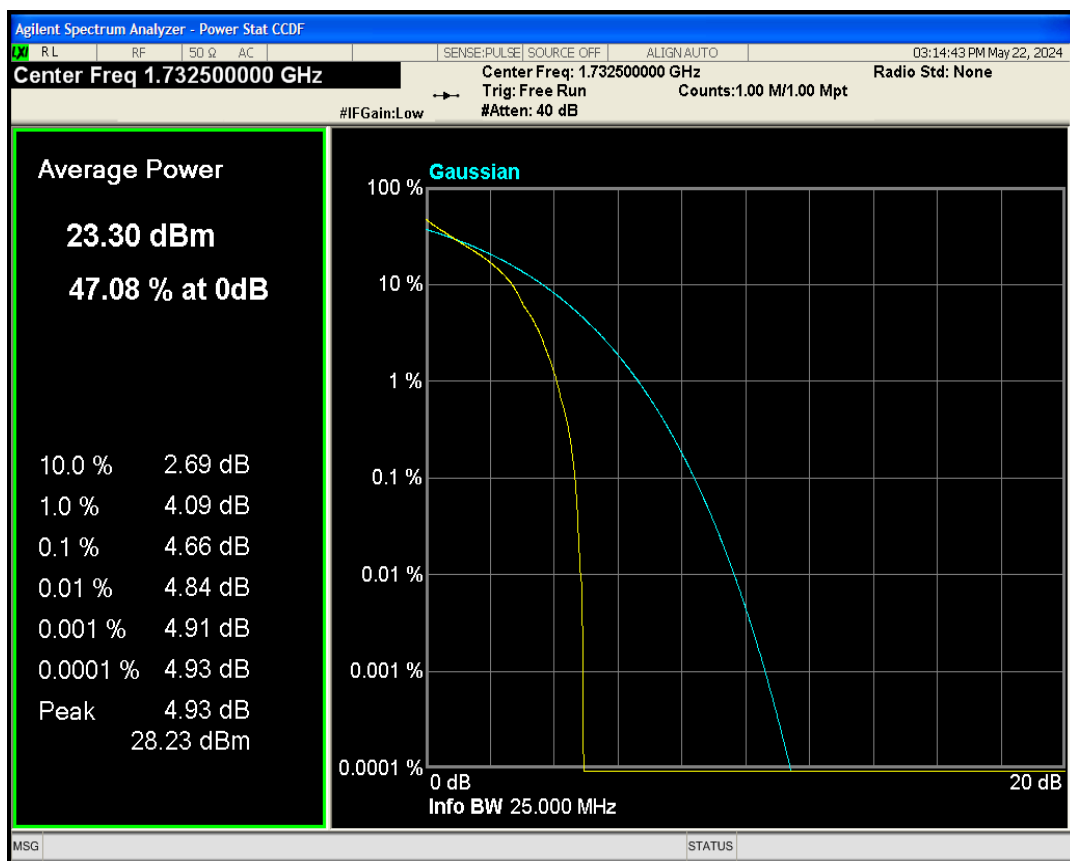
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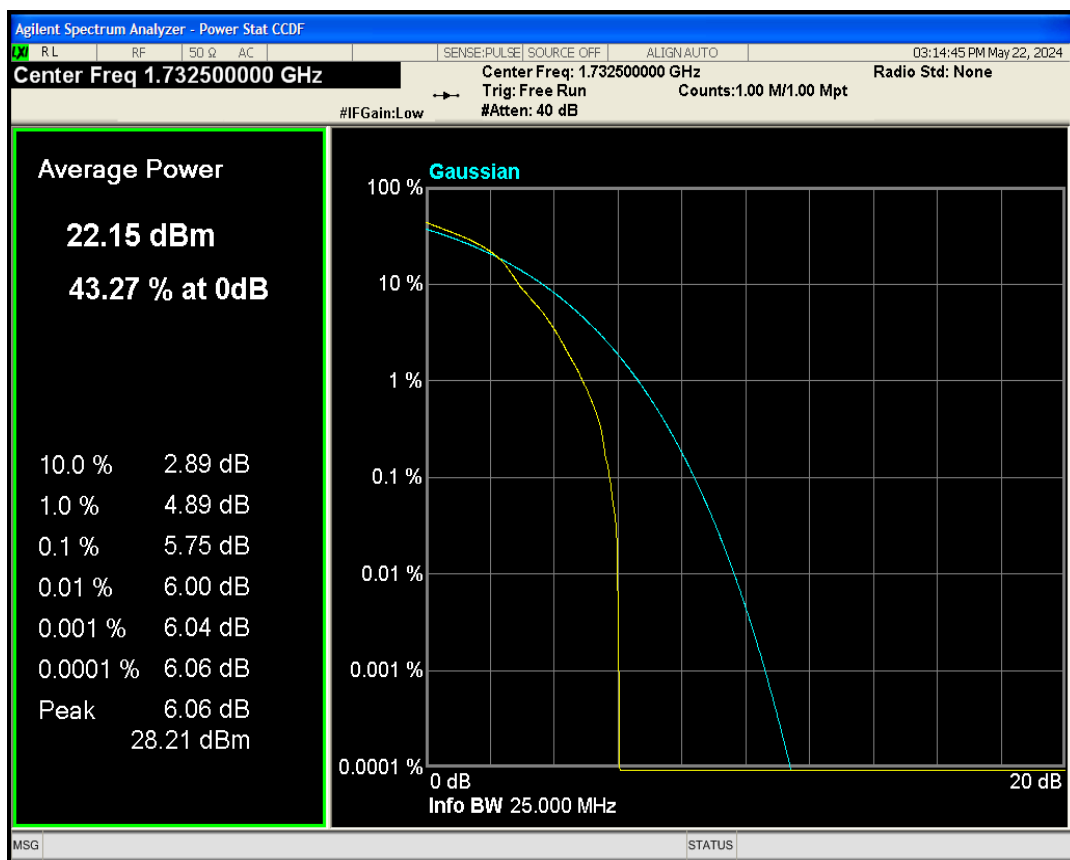
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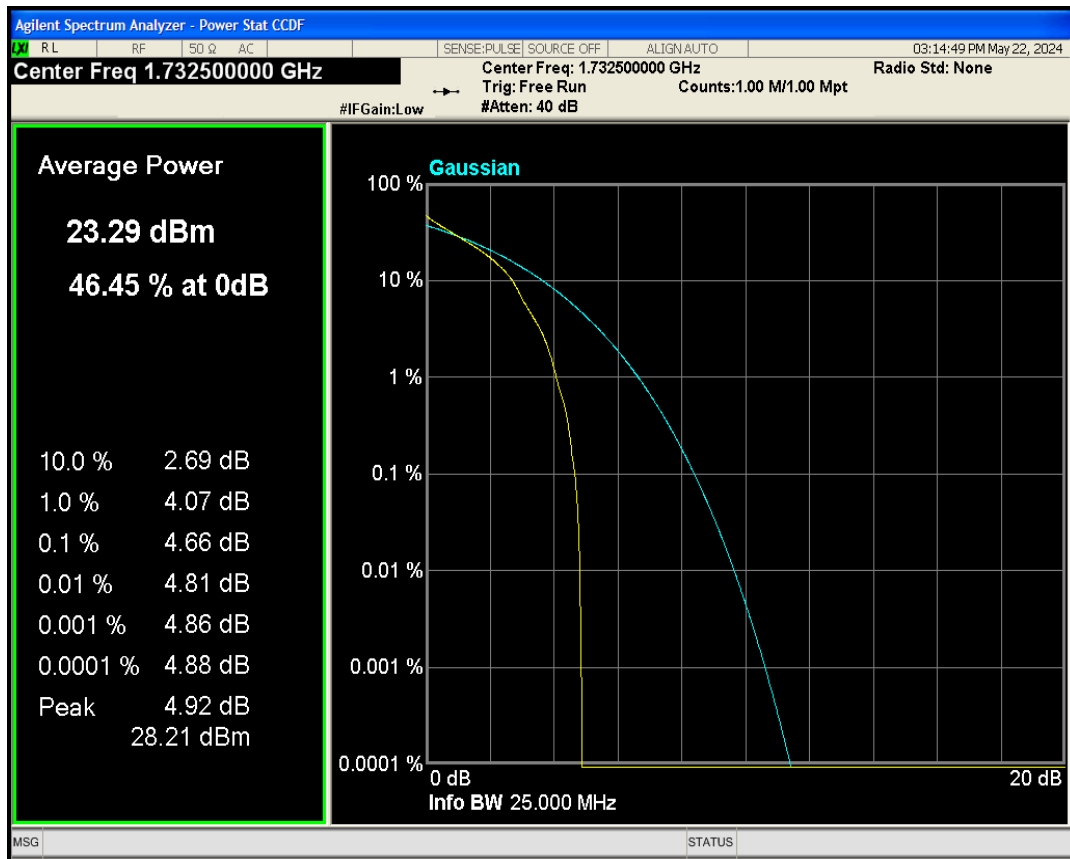
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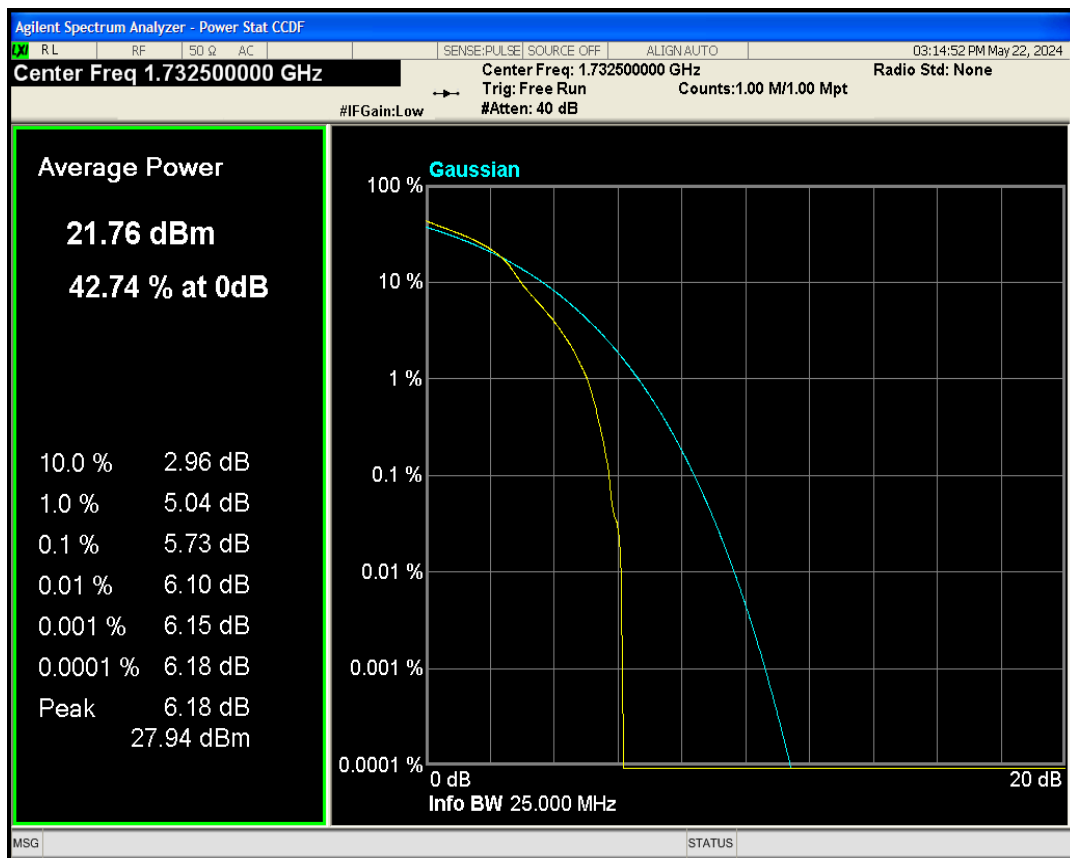
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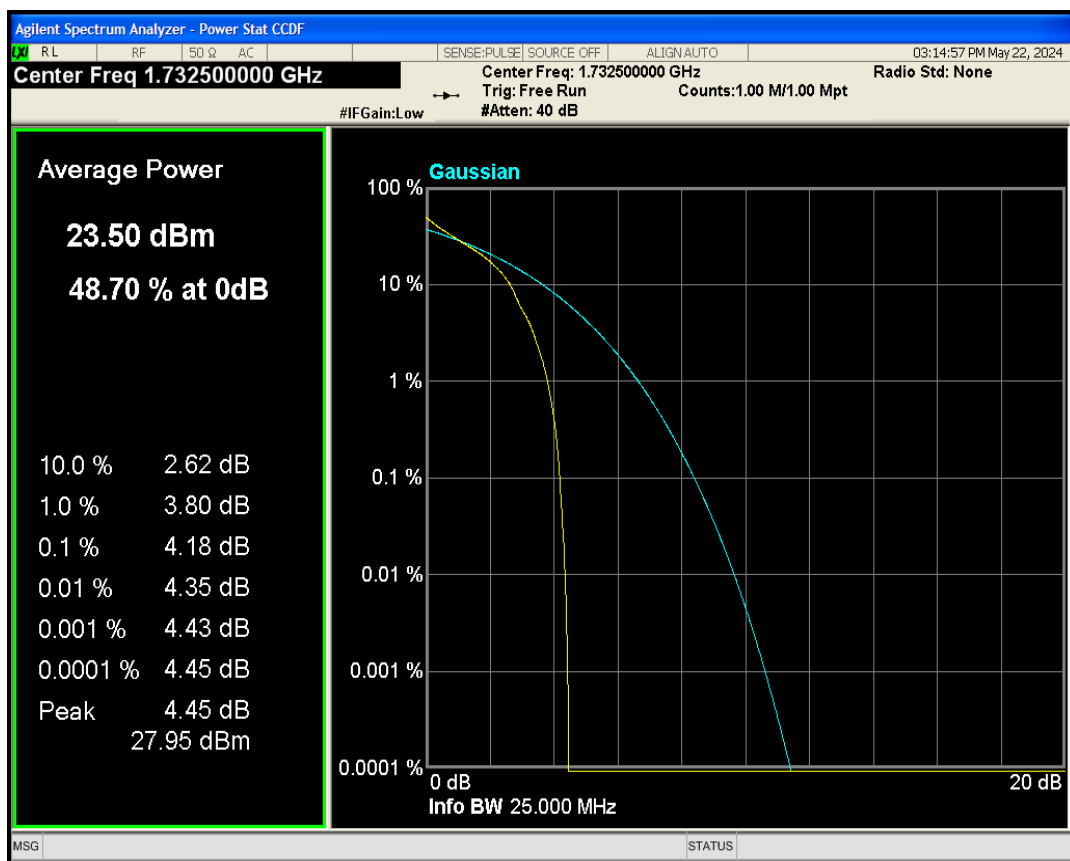
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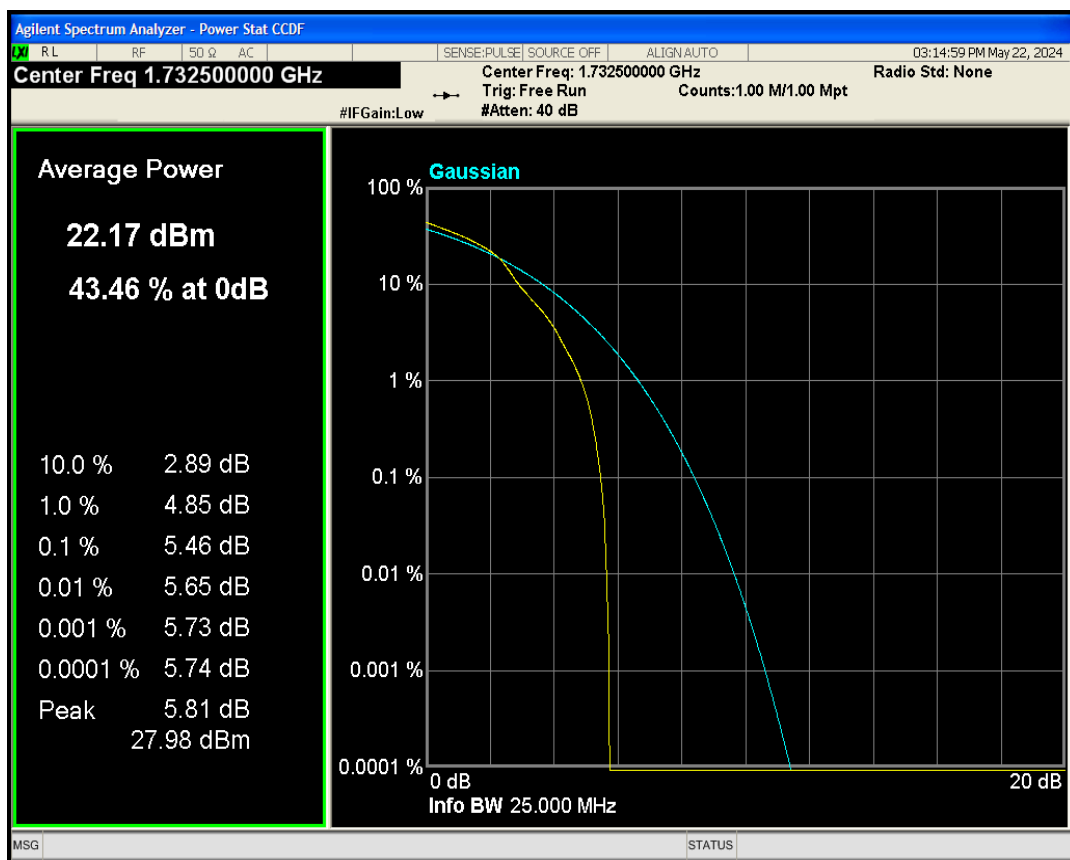
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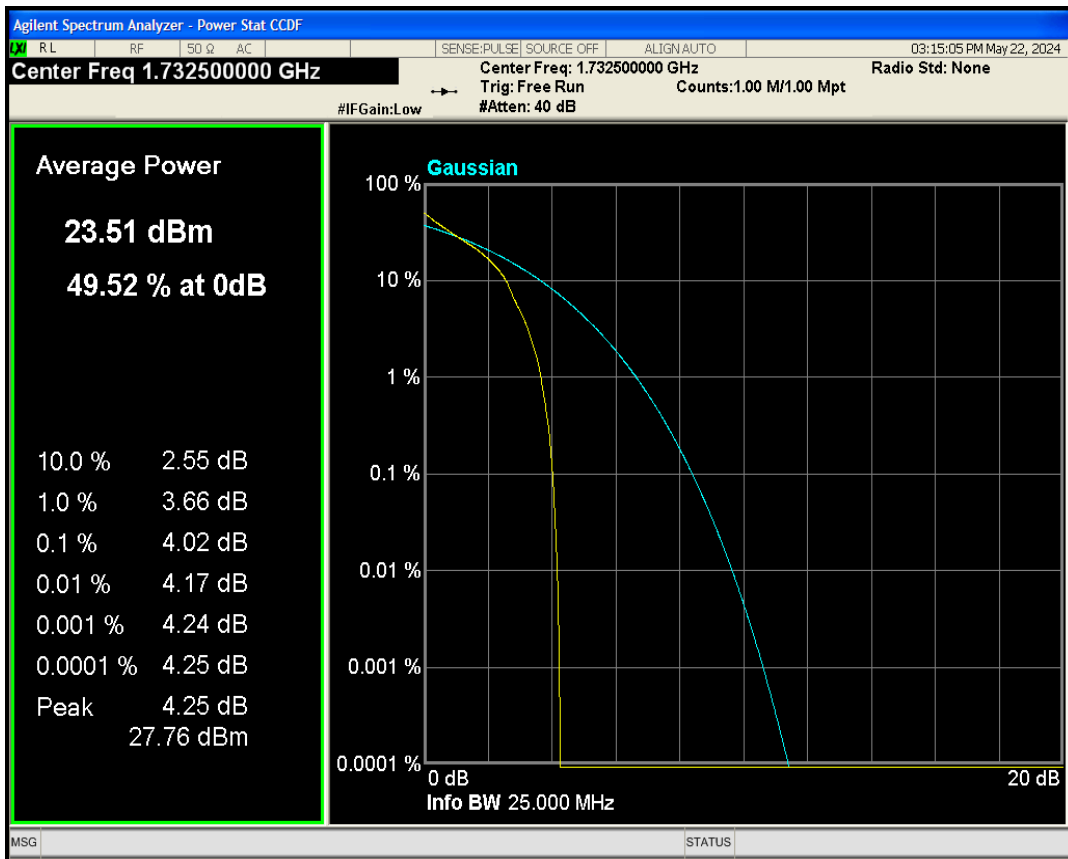
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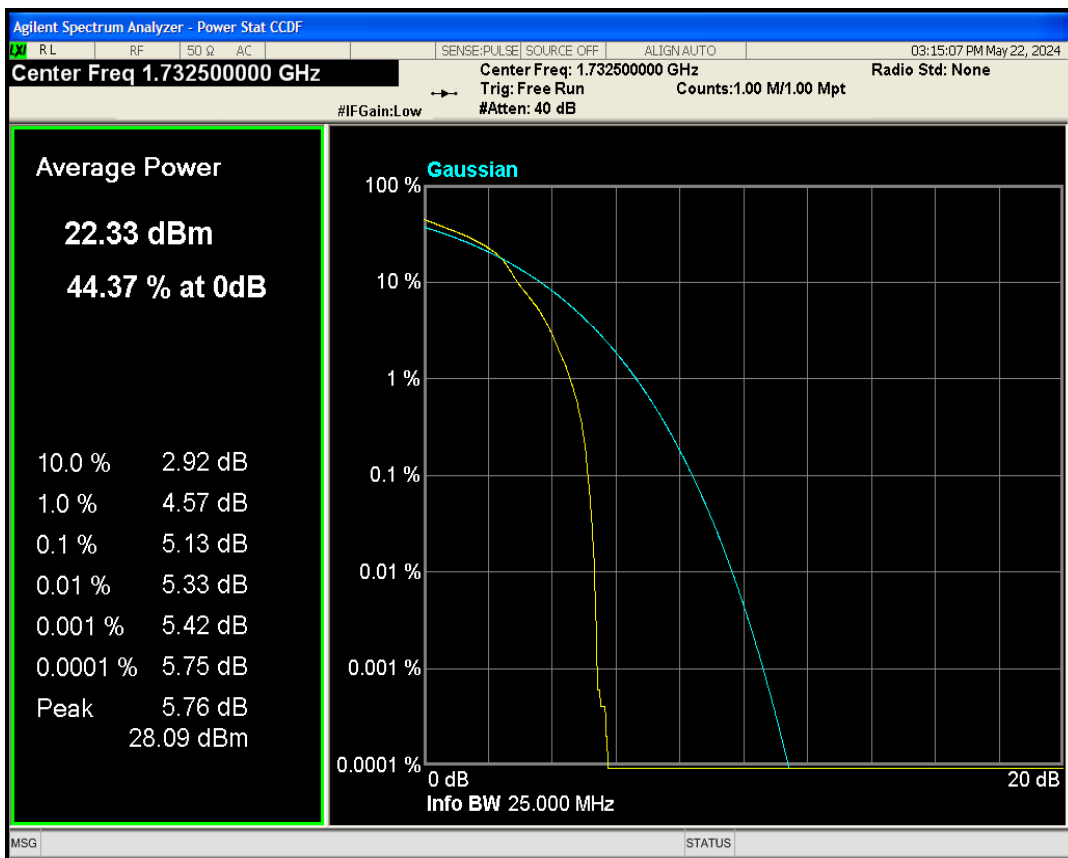
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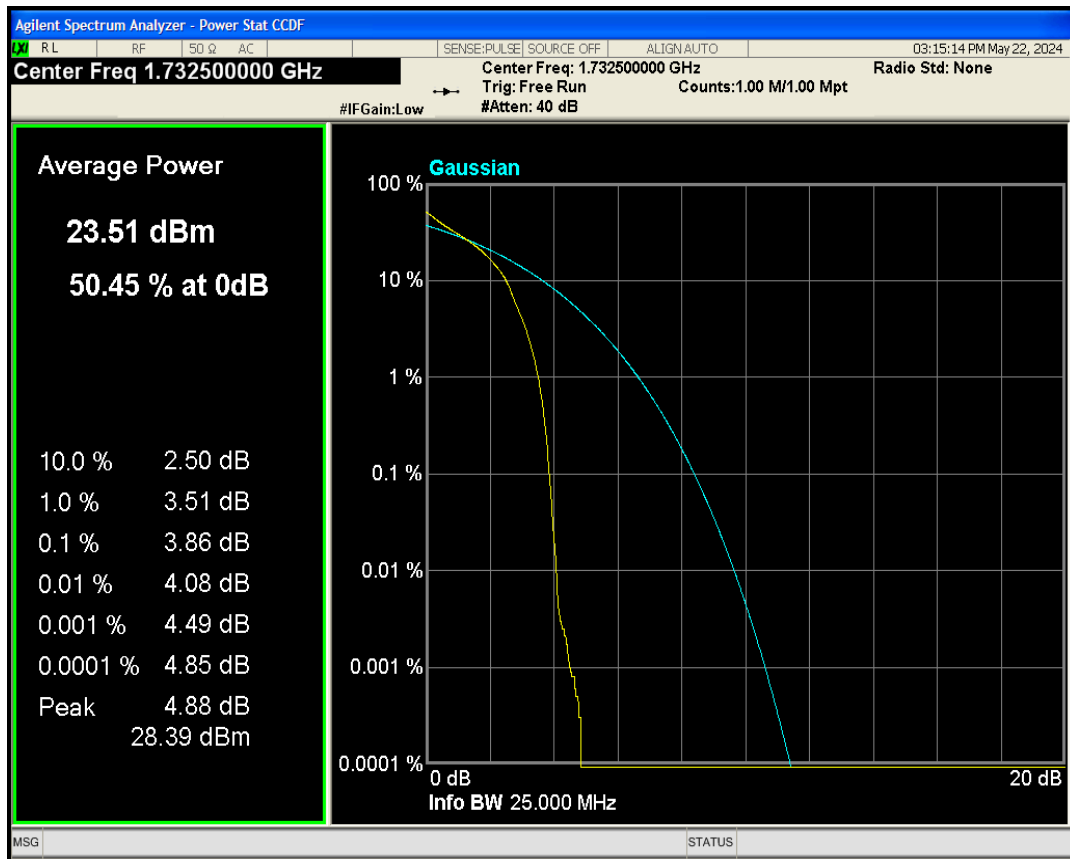
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



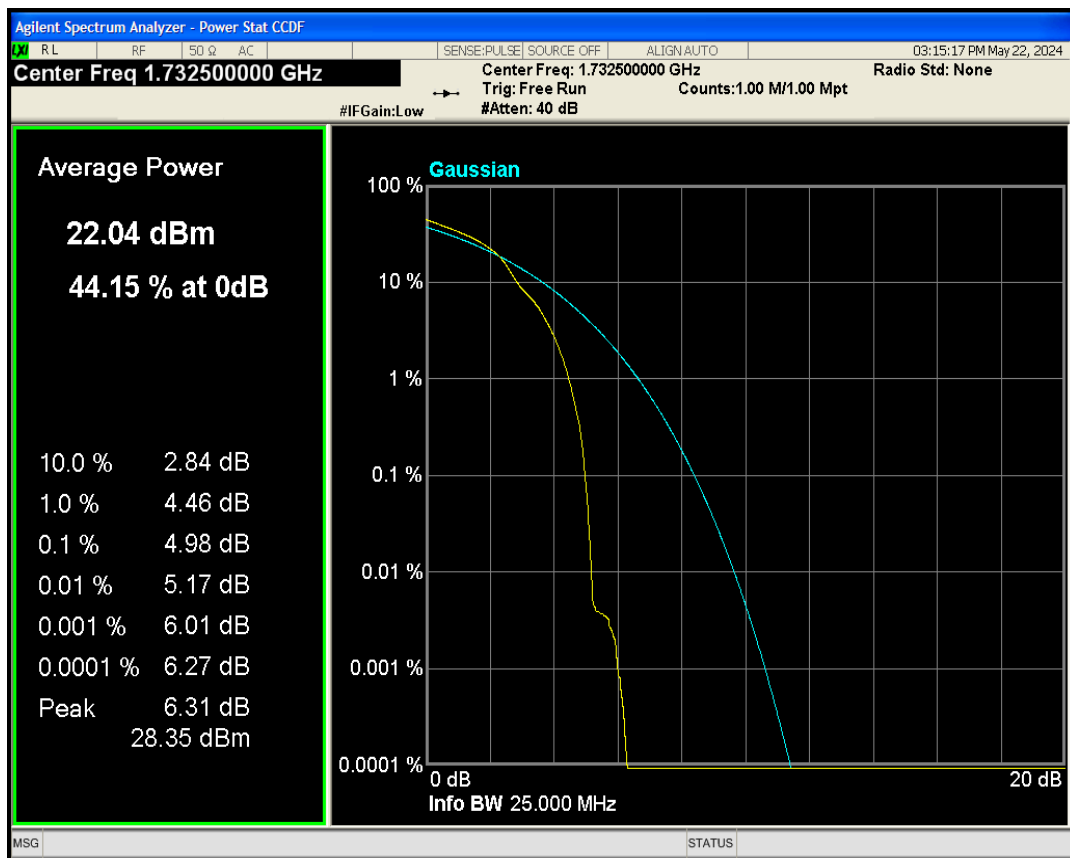
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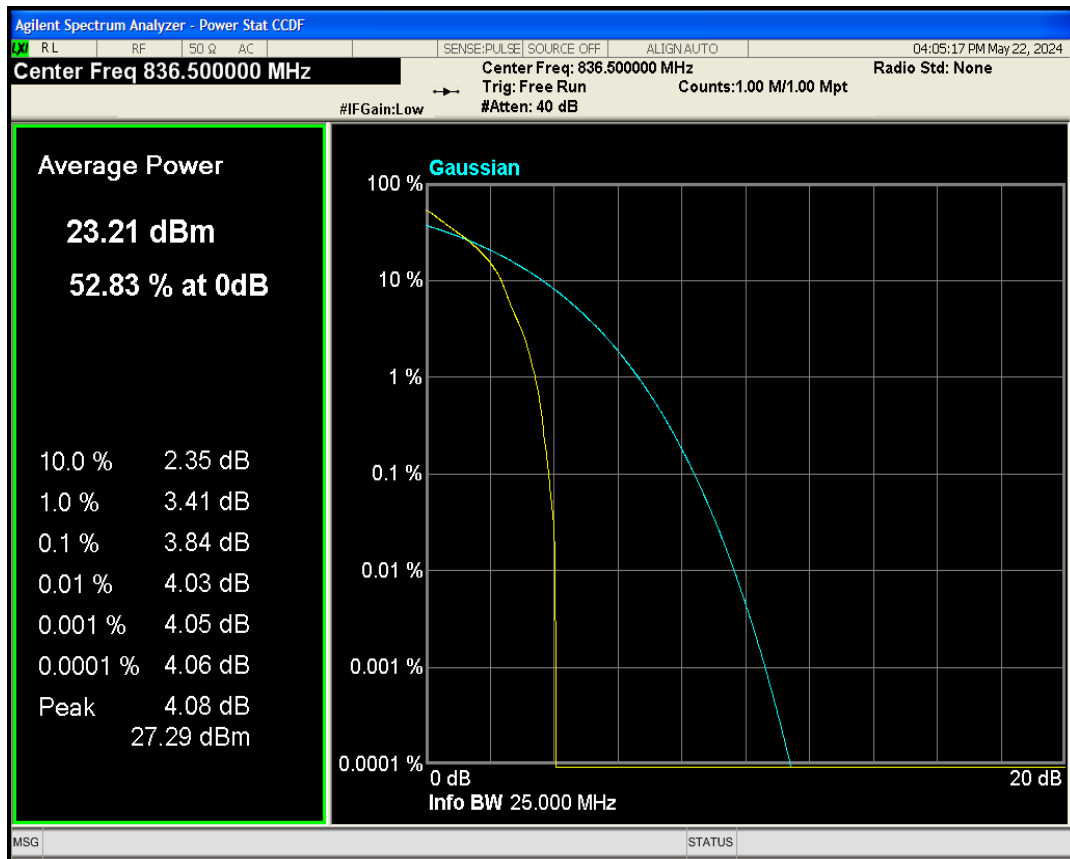
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



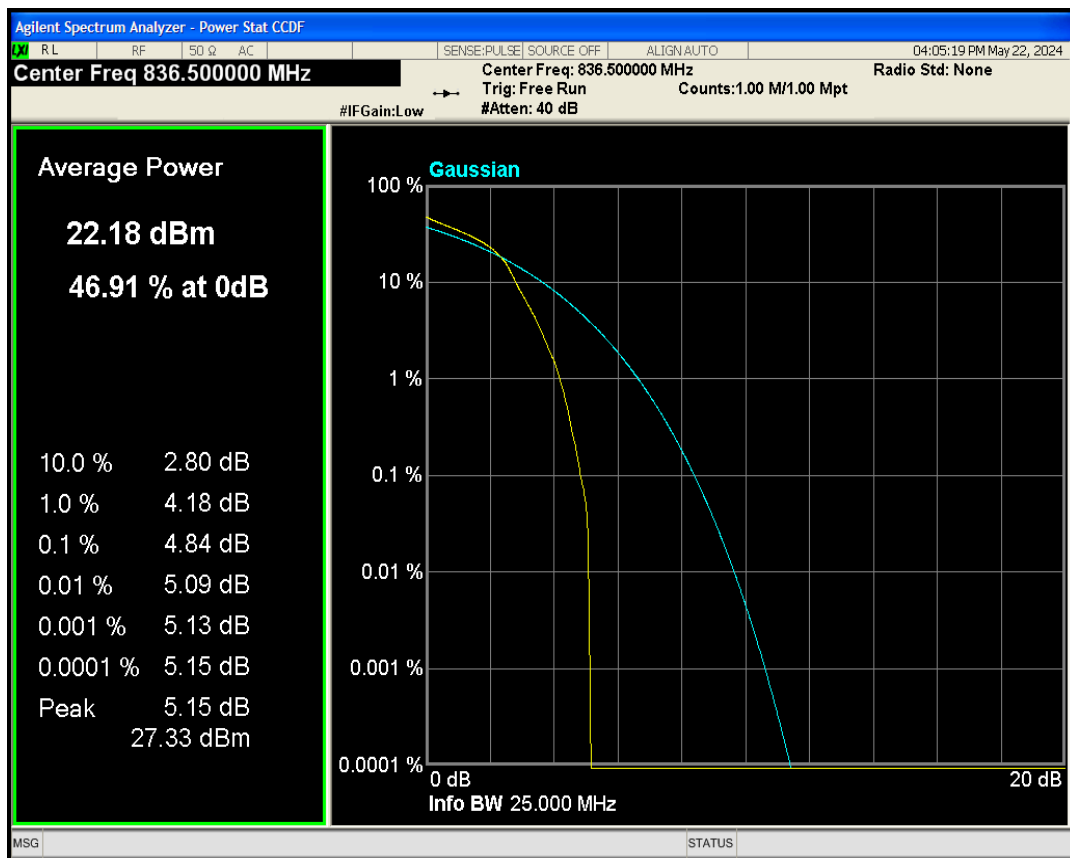
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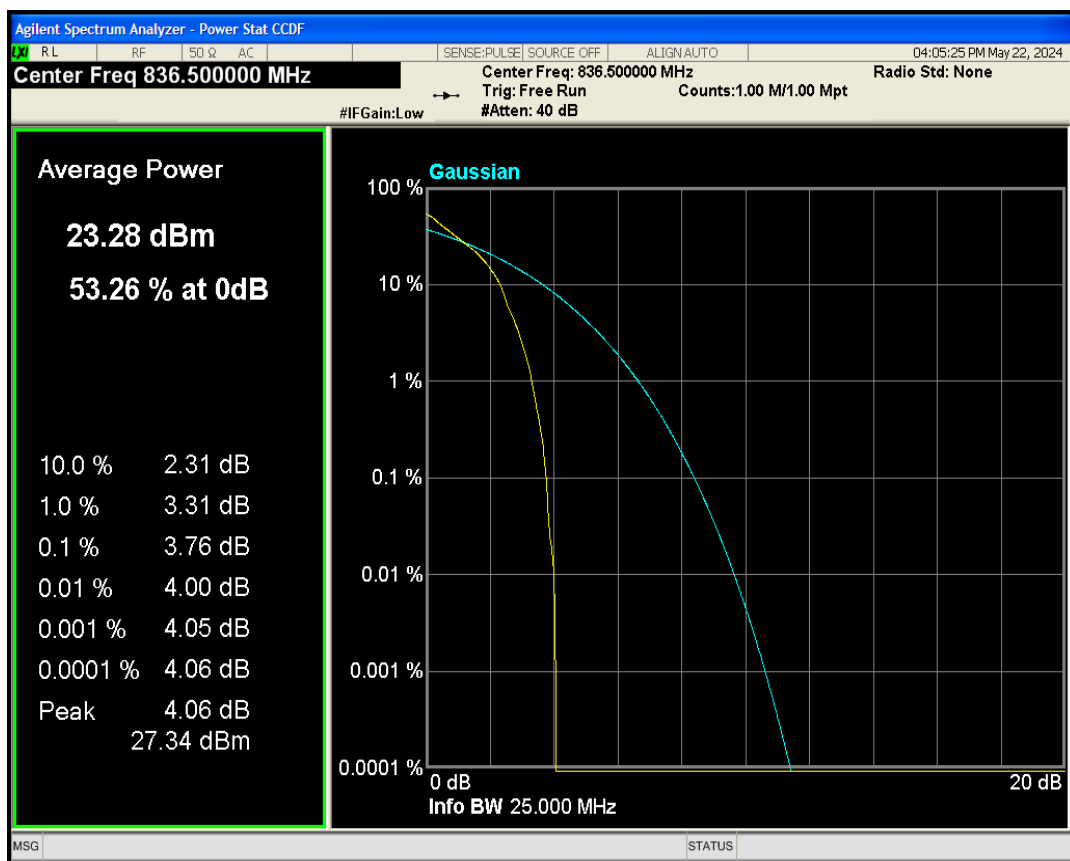
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



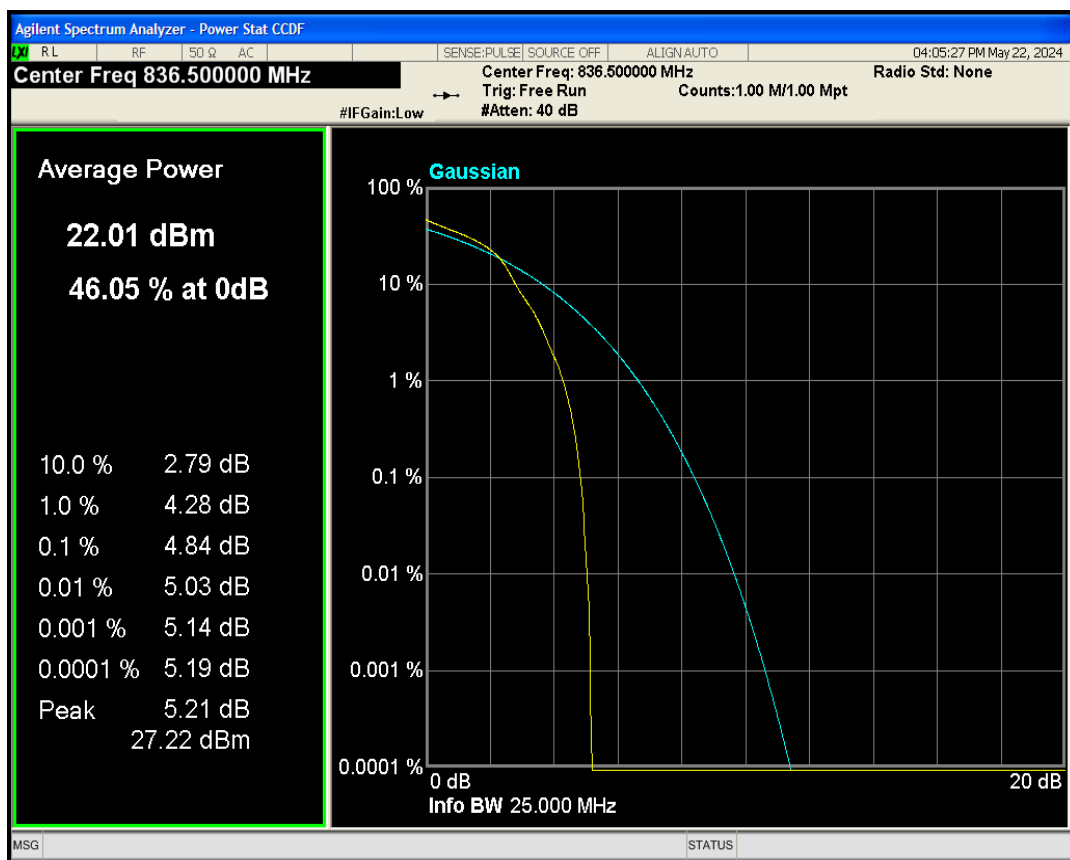
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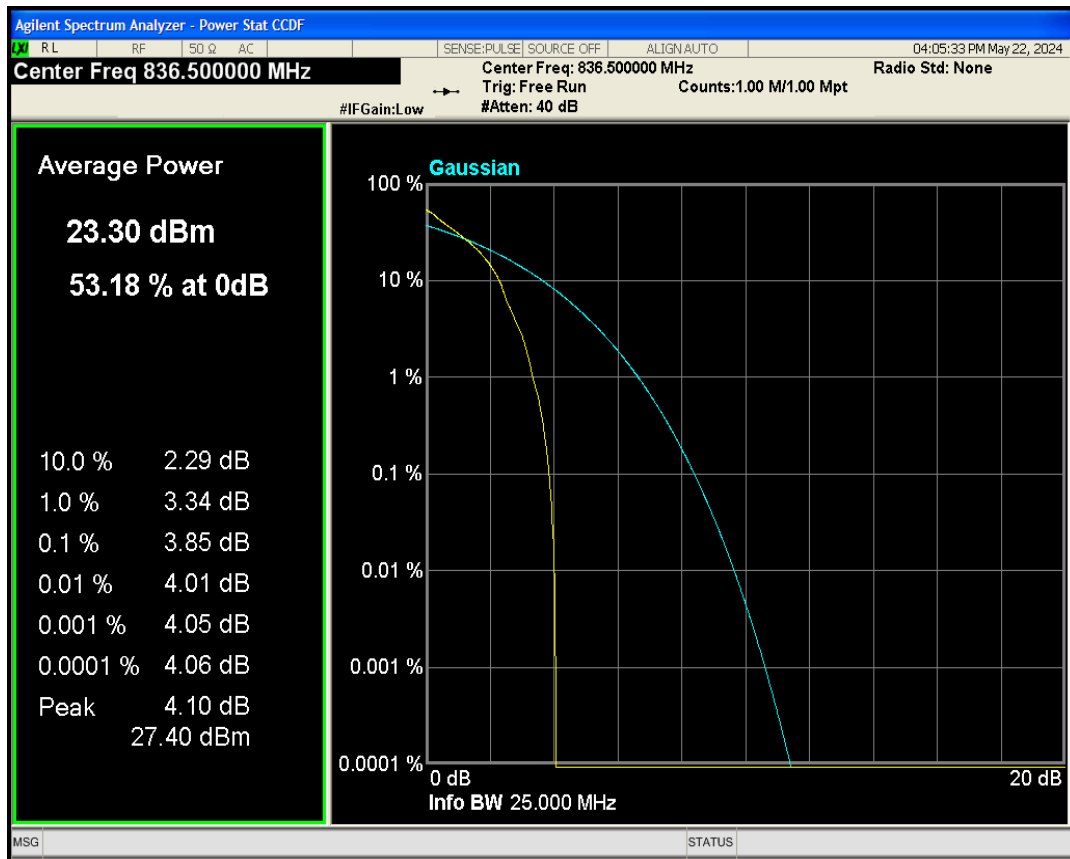
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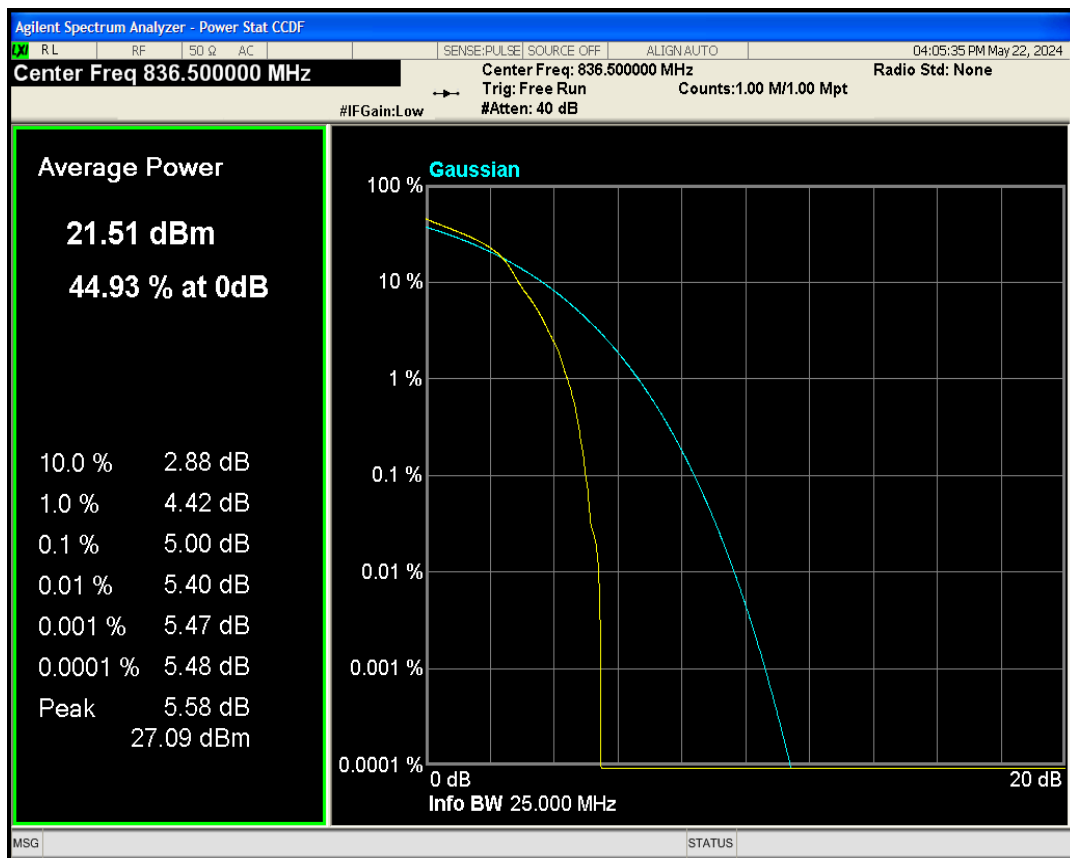
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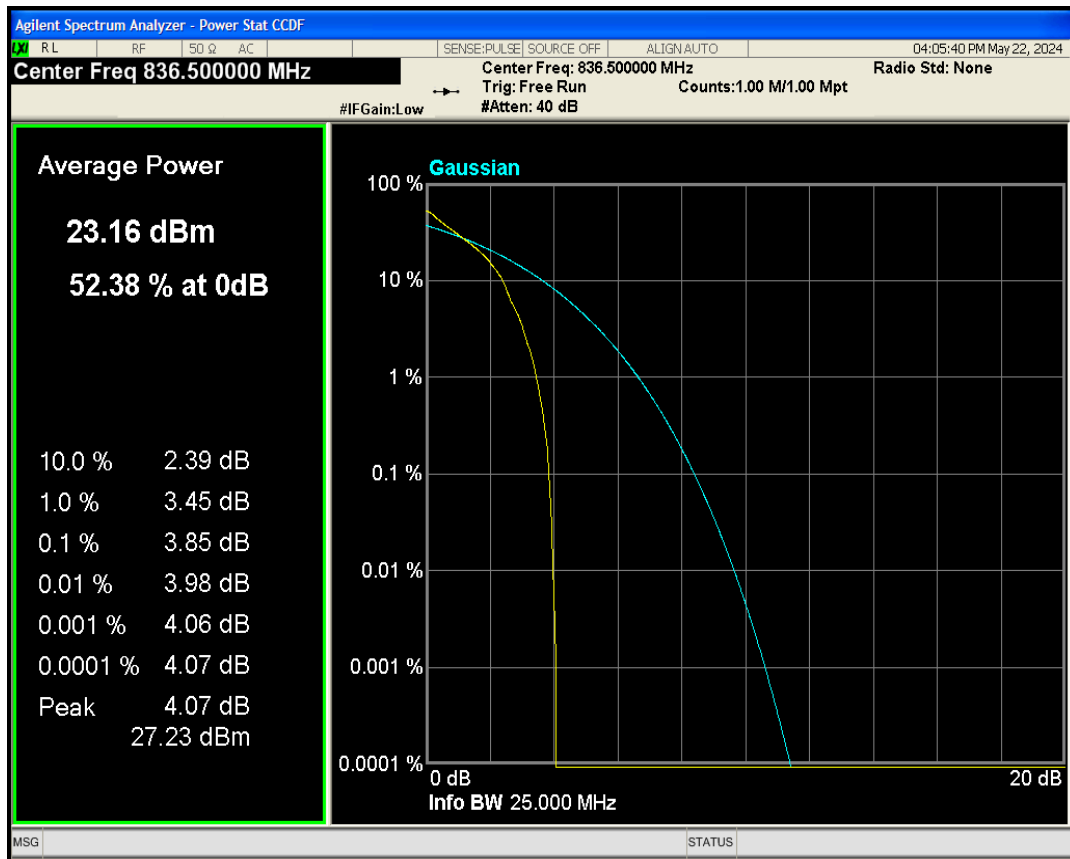
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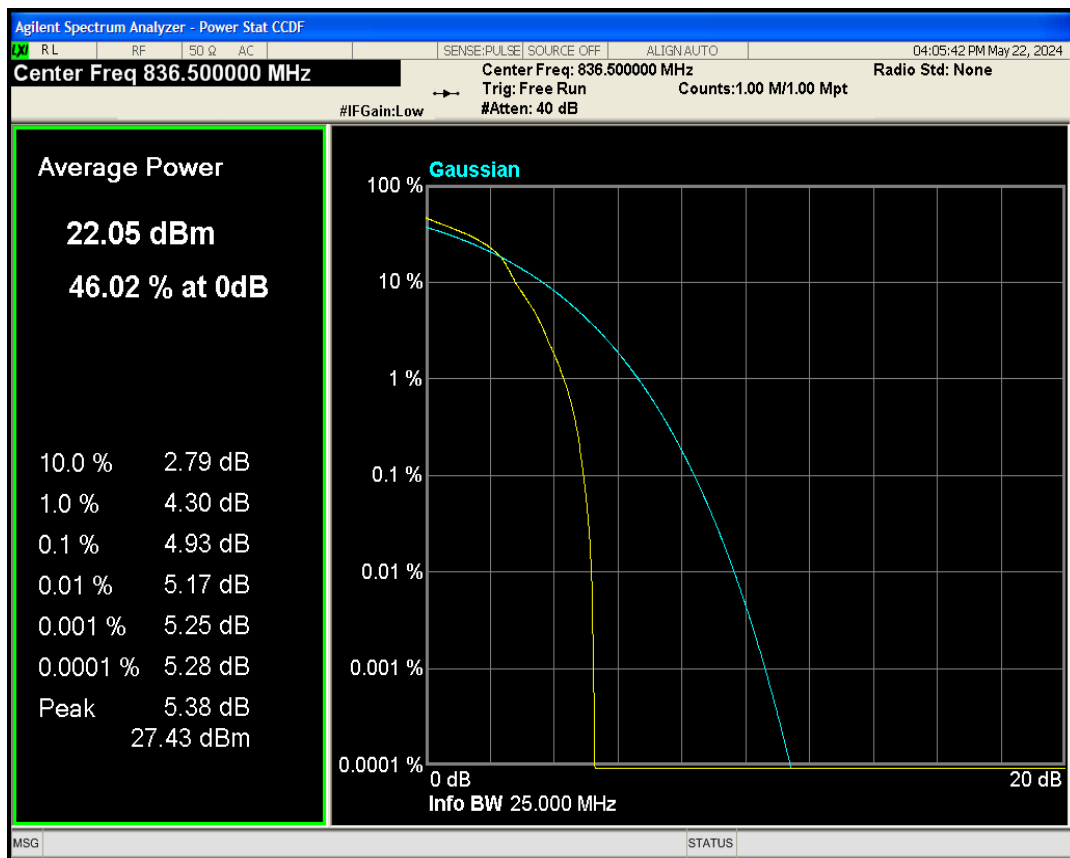
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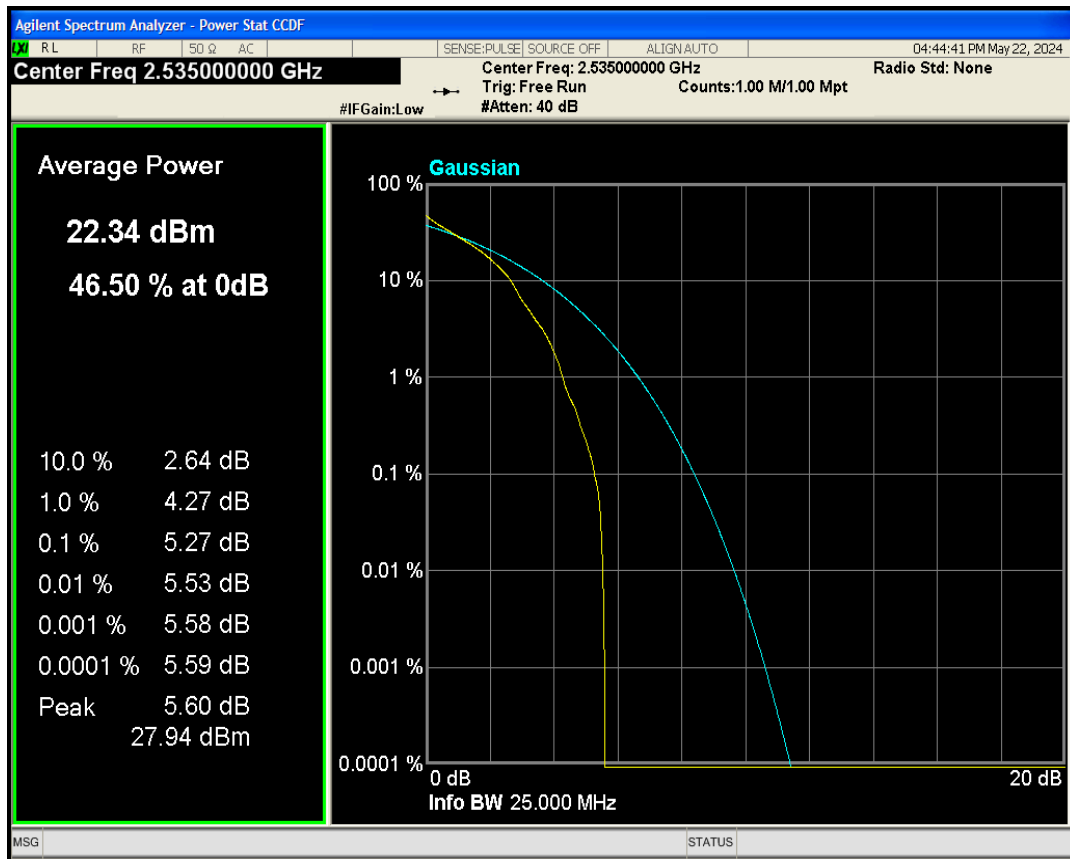
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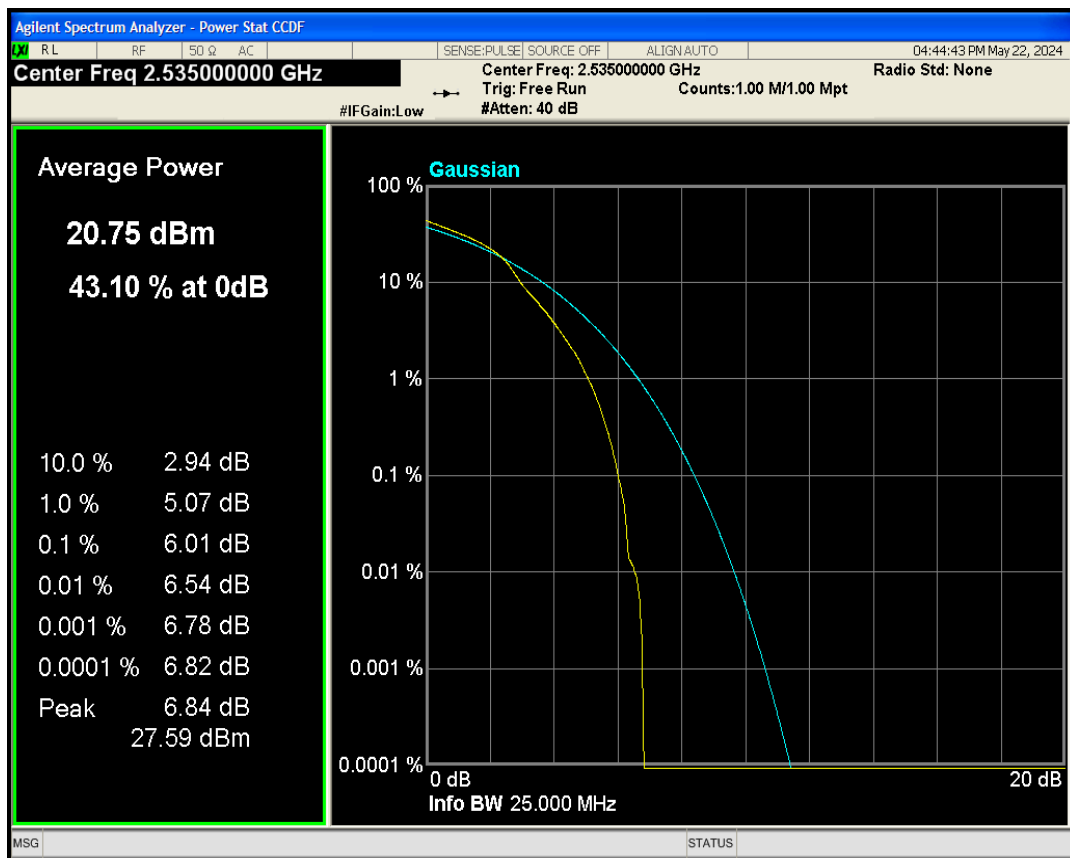
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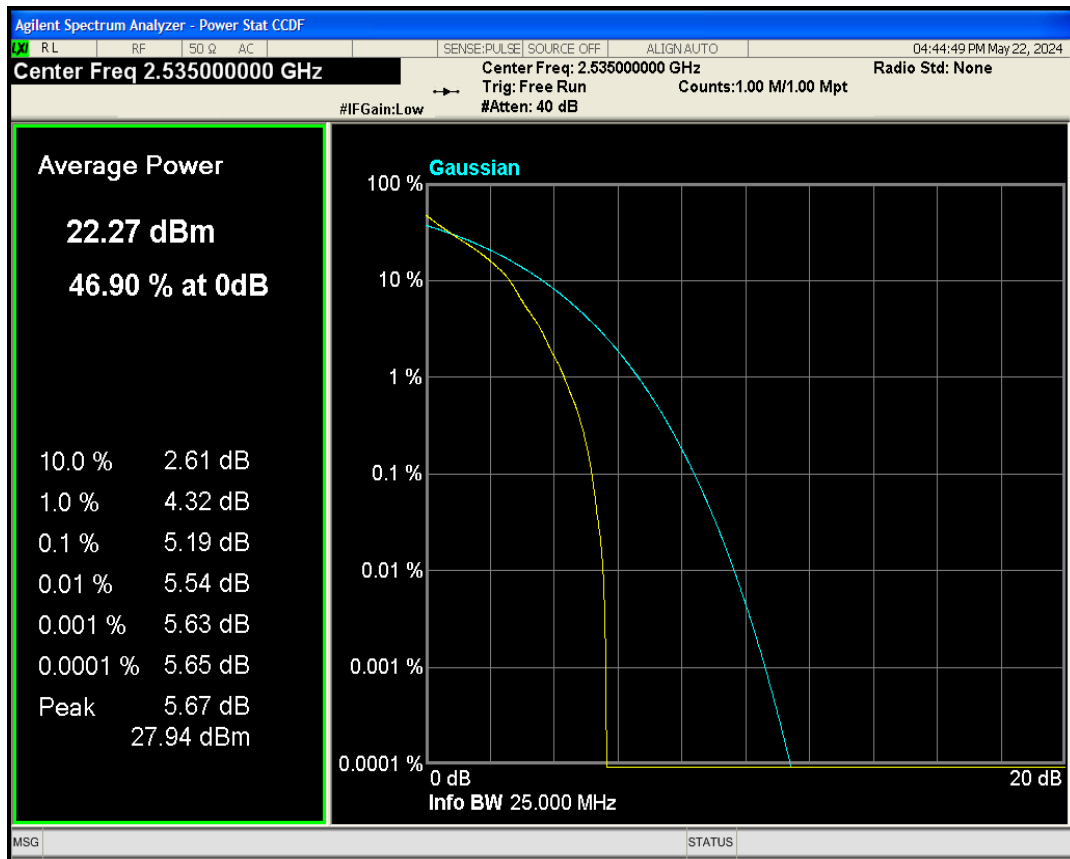
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



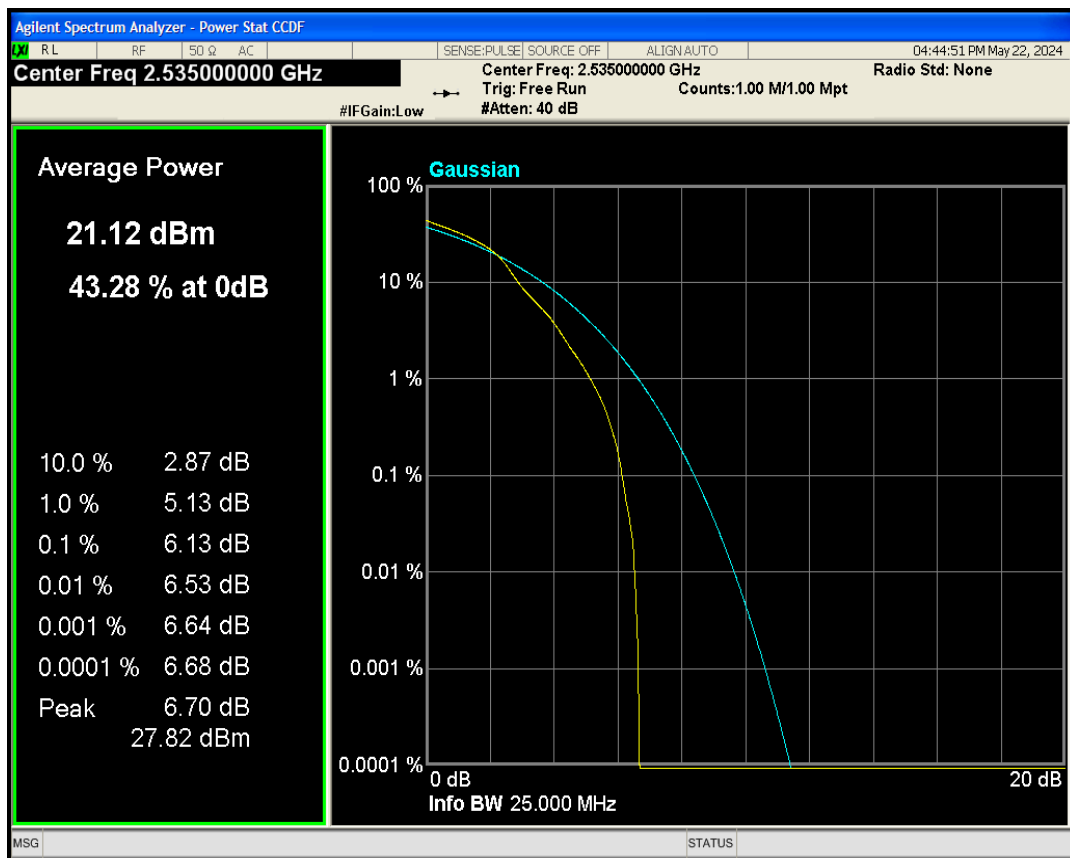
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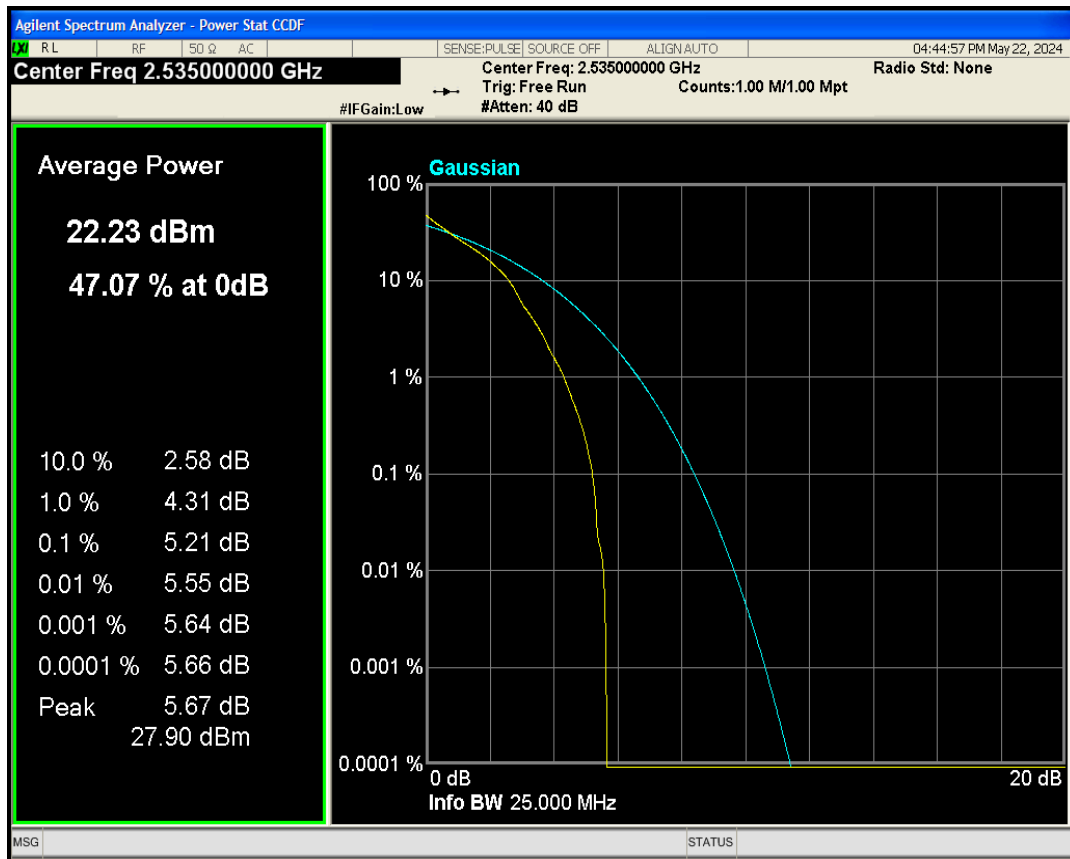
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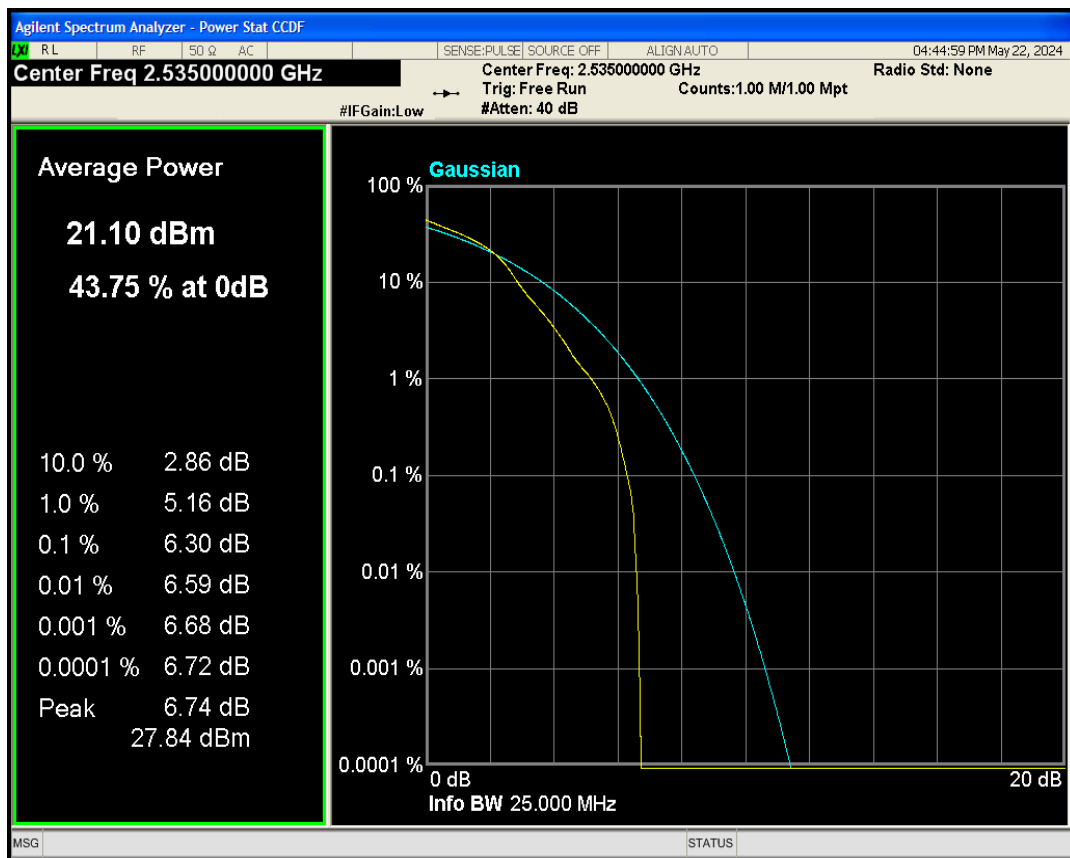
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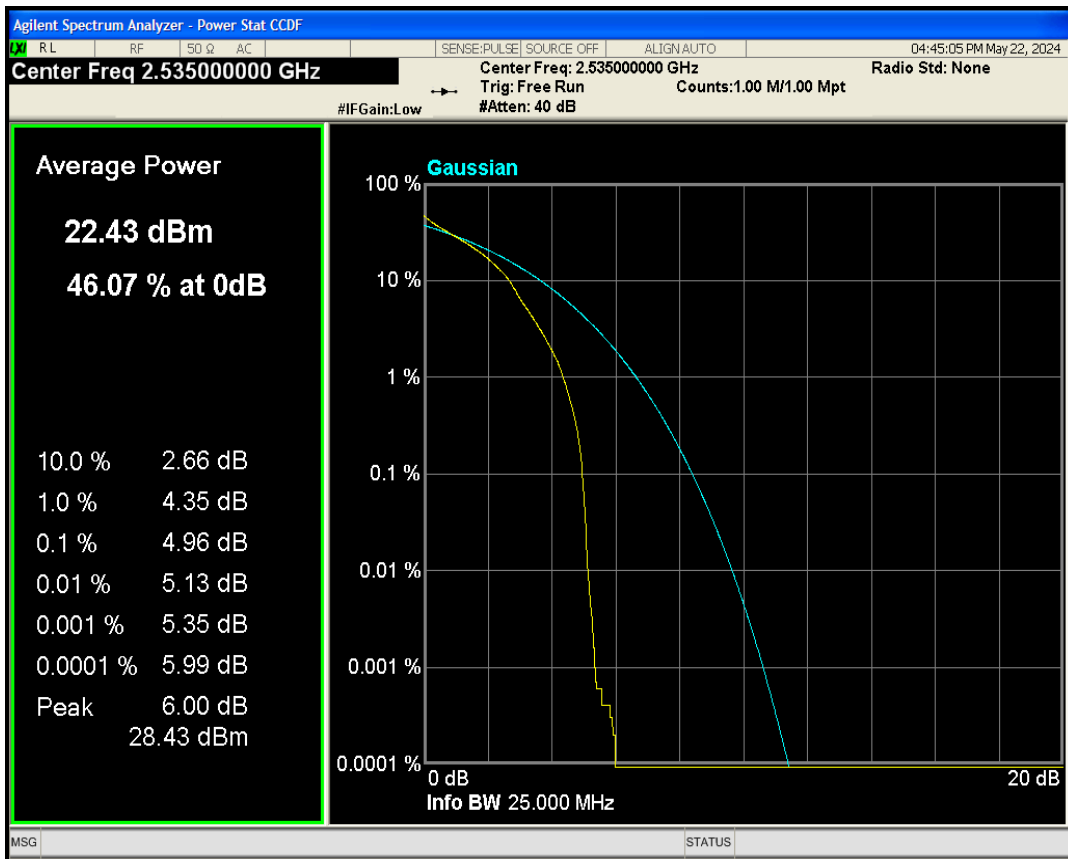
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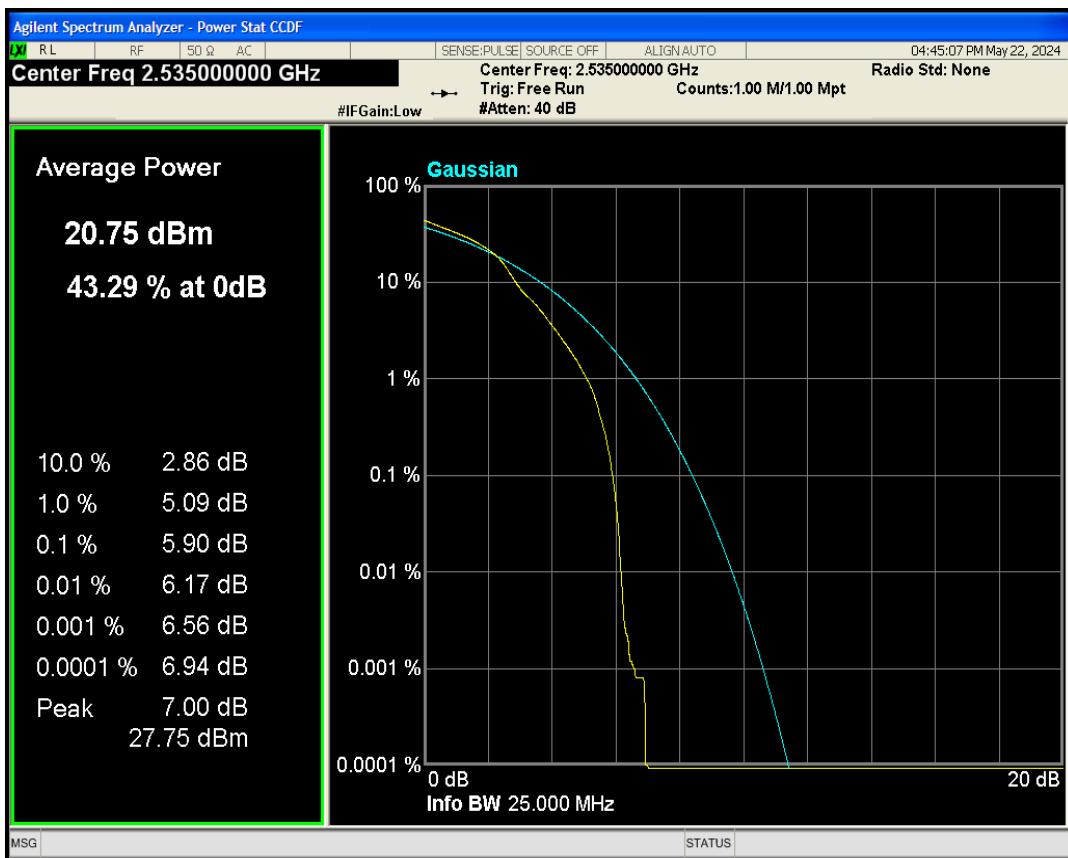
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Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



Band7 QAM16 BW=20MHz Channel=21100 RB Size=1 Position=#0



4 Occupied bandwidth

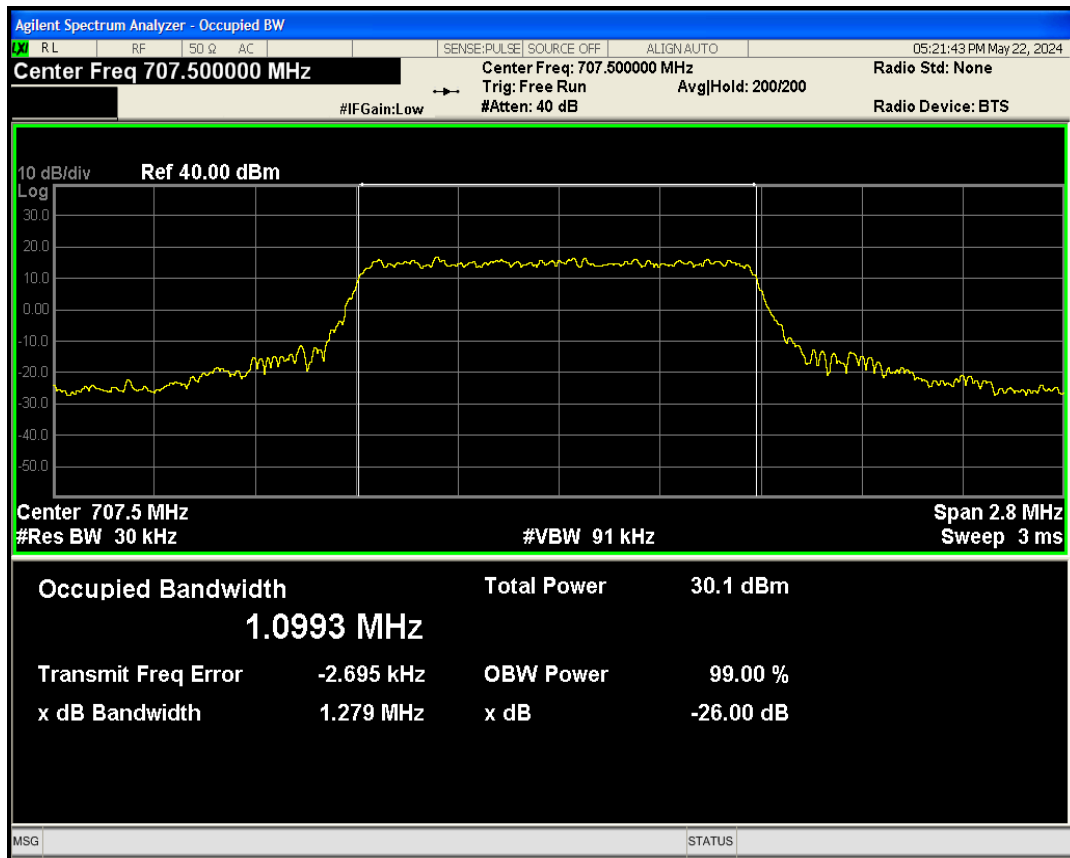
## Report

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band12 | 1.4             | 23095      | 6       | #0          | QPSK       | 1.099         | 1.279           | PASS    |
| Band12 | 1.4             | 23095      | 6       | #0          | QAM16      | 1.094         | 1.266           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QPSK       | 2.713         | 3.061           | PASS    |
| Band12 | 3               | 23095      | 15      | #0          | QAM16      | 2.707         | 3.052           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QPSK       | 4.511         | 5.065           | PASS    |
| Band12 | 5               | 23095      | 25      | #0          | QAM16      | 4.523         | 5.194           | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QPSK       | 9.022         | 9.895           | PASS    |
| Band12 | 10              | 23095      | 50      | #0          | QAM16      | 9.020         | 9.848           | PASS    |
| Band17 | 5               | 23790      | 25      | #0          | QPSK       | 4.532         | 5.153           | PASS    |
| Band17 | 5               | 23790      | 25      | #0          | QAM16      | 4.520         | 5.051           | PASS    |
| Band17 | 10              | 23790      | 50      | #0          | QPSK       | 9.001         | 9.963           | PASS    |
| Band17 | 10              | 23790      | 50      | #0          | QAM16      | 9.003         | 9.832           | PASS    |
| Band2  | 1.4             | 18900      | 6       | #0          | QPSK       | 1.094         | 1.275           | PASS    |
| Band2  | 1.4             | 18900      | 6       | #0          | QAM16      | 1.096         | 1.271           | PASS    |
| Band2  | 3               | 18900      | 15      | #0          | QPSK       | 2.711         | 3.044           | PASS    |
| Band2  | 3               | 18900      | 15      | #0          | QAM16      | 2.716         | 3.049           | PASS    |
| Band2  | 5               | 18900      | 25      | #0          | QPSK       | 4.529         | 5.209           | PASS    |
| Band2  | 5               | 18900      | 25      | #0          | QAM16      | 4.518         | 4.992           | PASS    |
| Band2  | 10              | 18900      | 50      | #0          | QPSK       | 8.992         | 9.896           | PASS    |
| Band2  | 10              | 18900      | 50      | #0          | QAM16      | 8.998         | 9.915           | PASS    |
| Band2  | 15              | 18900      | 75      | #0          | QPSK       | 13.513        | 14.820          | PASS    |
| Band2  | 15              | 18900      | 75      | #0          | QAM16      | 13.445        | 14.737          | PASS    |
| Band2  | 20              | 18900      | 100     | #0          | QPSK       | 18.012        | 19.705          | PASS    |
| Band2  | 20              | 18900      | 100     | #0          | QAM16      | 17.993        | 19.526          | PASS    |
| Band4  | 1.4             | 20175      | 6       | #0          | QPSK       | 1.094         | 1.274           | PASS    |
| Band4  | 1.4             | 20175      | 6       | #0          | QAM16      | 1.106         | 1.260           | PASS    |
| Band4  | 3               | 20175      | 15      | #0          | QPSK       | 2.714         | 3.038           | PASS    |
| Band4  | 3               | 20175      | 15      | #0          | QAM16      | 2.715         | 3.089           | PASS    |
| Band4  | 5               | 20175      | 25      | #0          | QPSK       | 4.517         | 5.114           | PASS    |
| Band4  | 5               | 20175      | 25      | #0          | QAM16      | 4.511         | 5.296           | PASS    |
| Band4  | 10              | 20175      | 50      | #0          | QPSK       | 9.003         | 10.154          | PASS    |
| Band4  | 10              | 20175      | 50      | #0          | QAM16      | 8.972         | 9.918           | PASS    |
| Band4  | 15              | 20175      | 75      | #0          | QPSK       | 13.501        | 14.926          | PASS    |
| Band4  | 15              | 20175      | 75      | #0          | QAM16      | 13.487        | 14.812          | PASS    |
| Band4  | 20              | 20175      | 100     | #0          | QPSK       | 18.046        | 19.941          | PASS    |
| Band4  | 20              | 20175      | 100     | #0          | QAM16      | 18.030        | 20.382          | PASS    |
| Band5  | 1.4             | 20525      | 6       | #0          | QPSK       | 1.093         | 1.270           | PASS    |
| Band5  | 1.4             | 20525      | 6       | #0          | QAM16      | 1.103         | 1.249           | PASS    |
| Band5  | 3               | 20525      | 15      | #0          | QPSK       | 2.722         | 3.070           | PASS    |
| Band5  | 3               | 20525      | 15      | #0          | QAM16      | 2.734         | 3.053           | PASS    |
| Band5  | 5               | 20525      | 25      | #0          | QPSK       | 4.514         | 5.250           | PASS    |
| Band5  | 5               | 20525      | 25      | #0          | QAM16      | 4.506         | 5.246           | PASS    |
| Band5  | 10              | 20525      | 50      | #0          | QPSK       | 8.988         | 9.882           | PASS    |

# Report

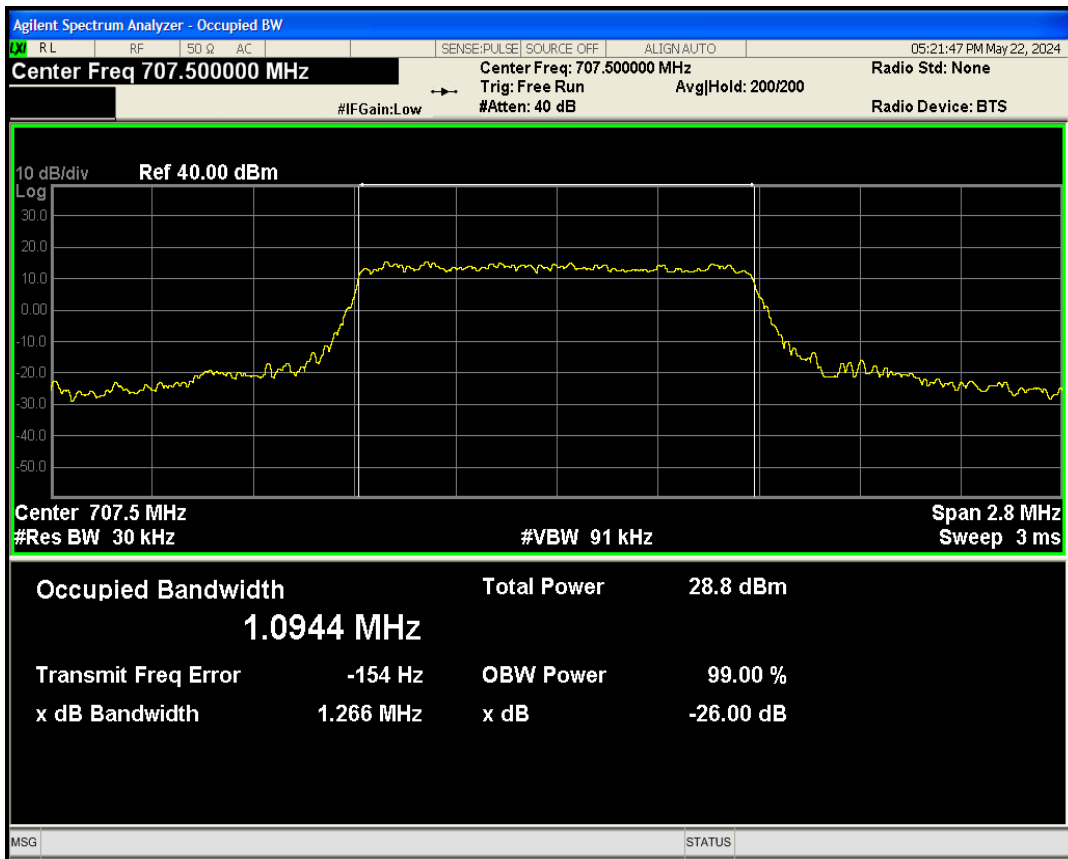
|       |    |       |     |    |       |        |        |      |
|-------|----|-------|-----|----|-------|--------|--------|------|
| Band5 | 10 | 20525 | 50  | #0 | QAM16 | 9.001  | 9.799  | PASS |
| Band7 | 5  | 21100 | 25  | #0 | QPSK  | 4.531  | 5.097  | PASS |
| Band7 | 5  | 21100 | 25  | #0 | QAM16 | 4.502  | 5.047  | PASS |
| Band7 | 10 | 21100 | 50  | #0 | QPSK  | 9.005  | 9.958  | PASS |
| Band7 | 10 | 21100 | 50  | #0 | QAM16 | 8.998  | 9.819  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | QPSK  | 13.487 | 15.194 | PASS |
| Band7 | 15 | 21100 | 75  | #0 | QAM16 | 13.457 | 14.838 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | 18.003 | 19.544 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QAM16 | 18.018 | 19.988 | PASS |

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

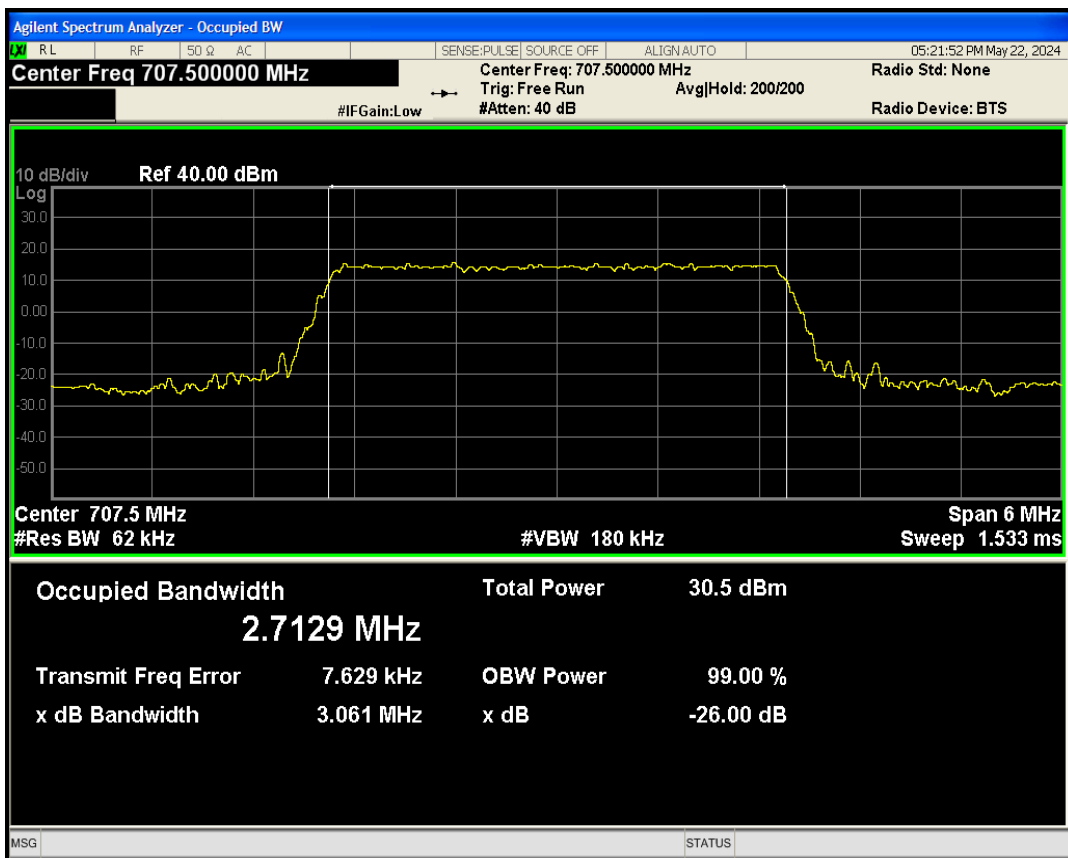


Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0

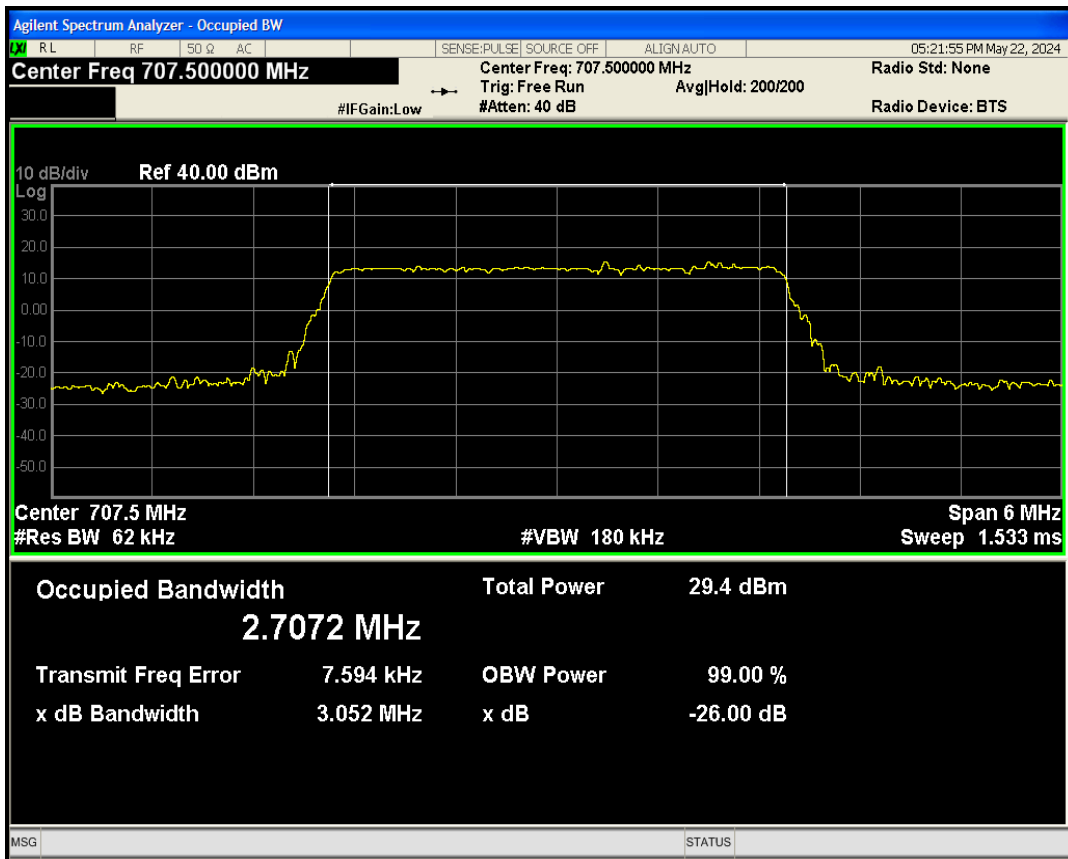
# Report



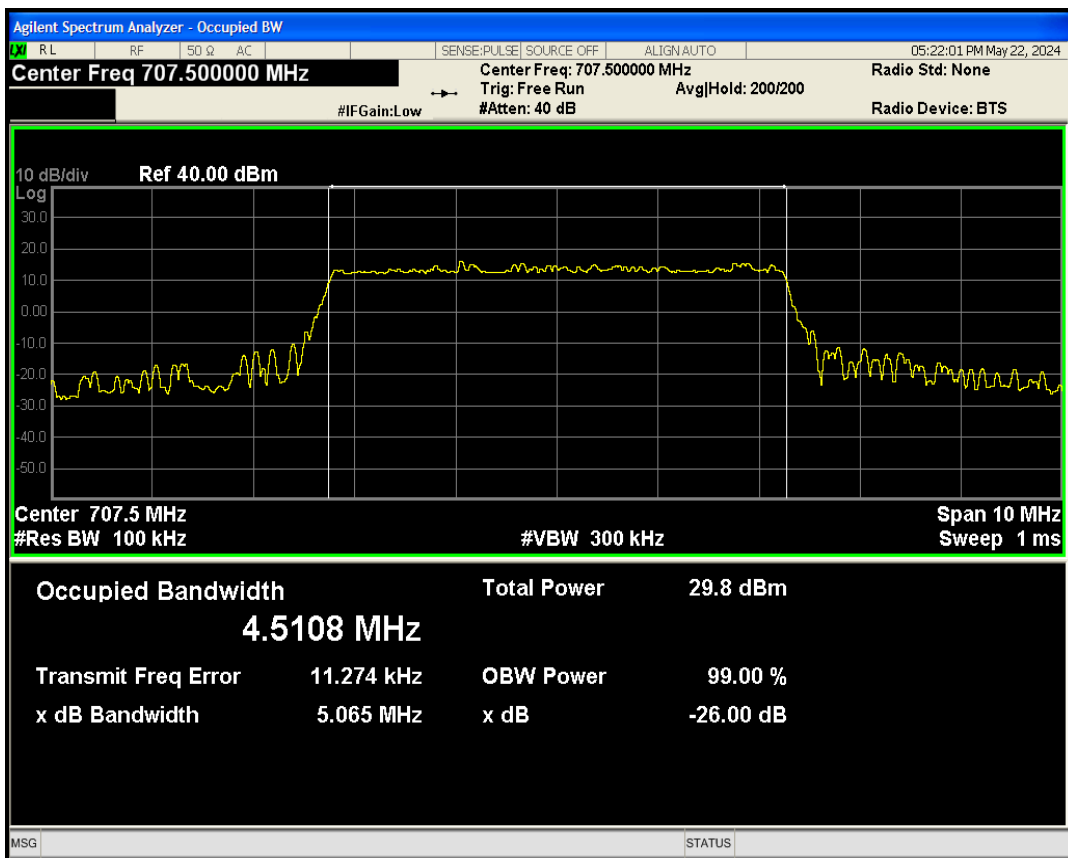
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



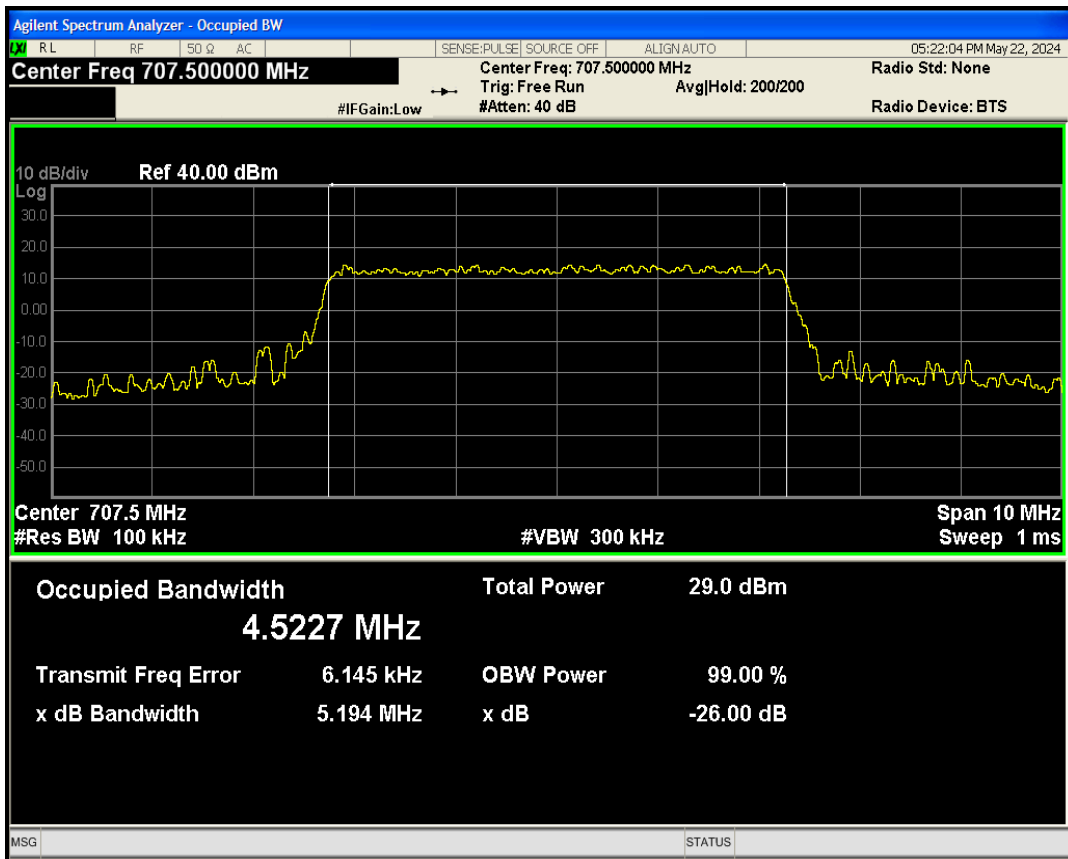
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



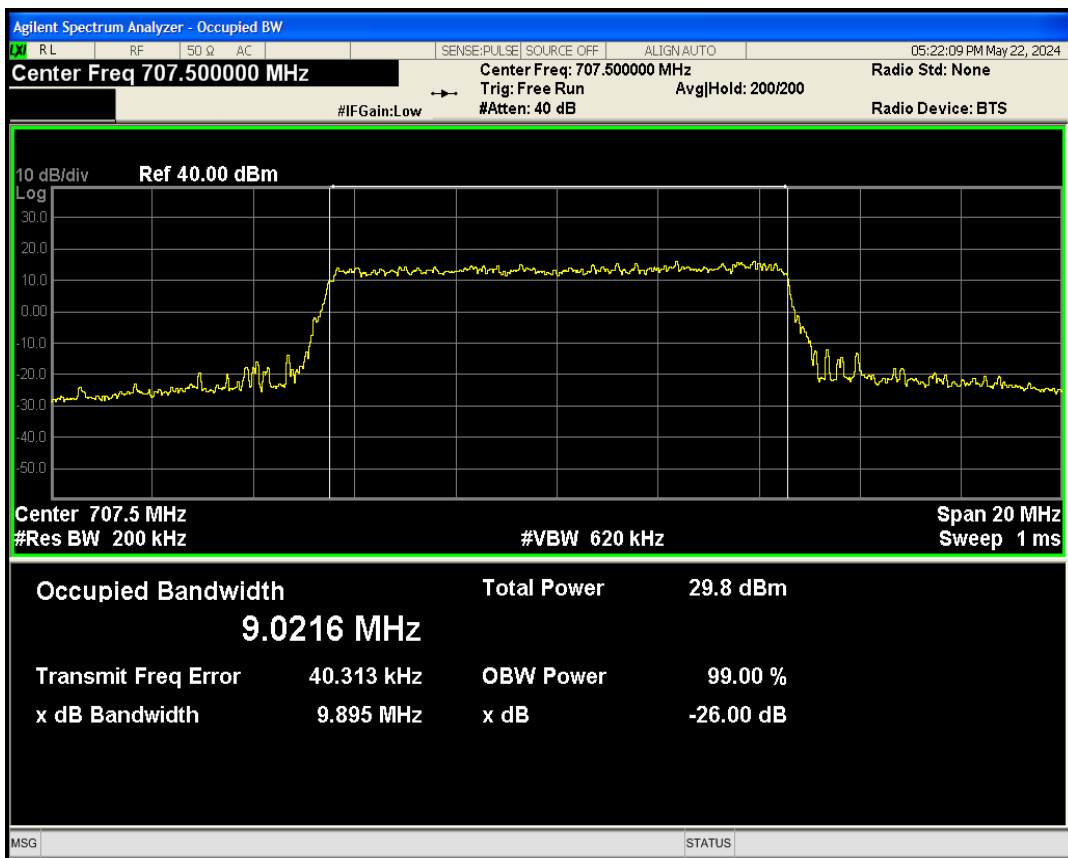
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



Band12 QAM16 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