



## Report

|        |   |        |    |      |       |       |       |       |    |      |
|--------|---|--------|----|------|-------|-------|-------|-------|----|------|
| Band66 | 3 | 131987 | 1  | #0   | QPSK  | 23.91 | -0.19 | 23.72 | 30 | PASS |
| Band66 | 3 | 131987 | 1  | #Mid | QPSK  | 23.75 | -0.19 | 23.56 | 30 | PASS |
| Band66 | 3 | 131987 | 1  | #Max | QPSK  | 23.88 | -0.19 | 23.69 | 30 | PASS |
| Band66 | 3 | 131987 | 8  | #0   | QPSK  | 21.35 | -0.19 | 21.16 | 30 | PASS |
| Band66 | 3 | 131987 | 8  | #Mid | QPSK  | 21.37 | -0.19 | 21.18 | 30 | PASS |
| Band66 | 3 | 131987 | 8  | #Max | QPSK  | 21.30 | -0.19 | 21.11 | 30 | PASS |
| Band66 | 3 | 131987 | 15 | #0   | QPSK  | 21.59 | -0.19 | 21.40 | 30 | PASS |
| Band66 | 3 | 131987 | 1  | #0   | 16QAM | 23.36 | -0.19 | 23.17 | 30 | PASS |
| Band66 | 3 | 131987 | 1  | #Mid | 16QAM | 23.34 | -0.19 | 23.15 | 30 | PASS |
| Band66 | 3 | 131987 | 1  | #Max | 16QAM | 23.31 | -0.19 | 23.12 | 30 | PASS |
| Band66 | 3 | 131987 | 8  | #0   | 16QAM | 22.38 | -0.19 | 22.19 | 30 | PASS |
| Band66 | 3 | 131987 | 8  | #Mid | 16QAM | 22.40 | -0.19 | 22.21 | 30 | PASS |
| Band66 | 3 | 131987 | 8  | #Max | 16QAM | 22.34 | -0.19 | 22.15 | 30 | PASS |
| Band66 | 3 | 131987 | 15 | #0   | 16QAM | 22.34 | -0.19 | 22.15 | 30 | PASS |
| Band66 | 3 | 132322 | 1  | #0   | QPSK  | 23.50 | -0.19 | 23.31 | 30 | PASS |
| Band66 | 3 | 132322 | 1  | #Mid | QPSK  | 23.48 | -0.19 | 23.29 | 30 | PASS |
| Band66 | 3 | 132322 | 1  | #Max | QPSK  | 23.46 | -0.19 | 23.27 | 30 | PASS |
| Band66 | 3 | 132322 | 8  | #0   | QPSK  | 21.56 | -0.19 | 21.37 | 30 | PASS |
| Band66 | 3 | 132322 | 8  | #Mid | QPSK  | 21.41 | -0.19 | 21.22 | 30 | PASS |
| Band66 | 3 | 132322 | 8  | #Max | QPSK  | 21.62 | -0.19 | 21.43 | 30 | PASS |
| Band66 | 3 | 132322 | 15 | #0   | QPSK  | 21.50 | -0.19 | 21.31 | 30 | PASS |
| Band66 | 3 | 132322 | 1  | #0   | 16QAM | 23.32 | -0.19 | 23.13 | 30 | PASS |
| Band66 | 3 | 132322 | 1  | #Mid | 16QAM | 23.45 | -0.19 | 23.26 | 30 | PASS |
| Band66 | 3 | 132322 | 1  | #Max | 16QAM | 23.32 | -0.19 | 23.13 | 30 | PASS |
| Band66 | 3 | 132322 | 8  | #0   | 16QAM | 22.50 | -0.19 | 22.31 | 30 | PASS |
| Band66 | 3 | 132322 | 8  | #Mid | 16QAM | 22.42 | -0.19 | 22.23 | 30 | PASS |
| Band66 | 3 | 132322 | 8  | #Max | 16QAM | 22.45 | -0.19 | 22.26 | 30 | PASS |
| Band66 | 3 | 132322 | 15 | #0   | 16QAM | 22.47 | -0.19 | 22.28 | 30 | PASS |
| Band66 | 3 | 132657 | 1  | #0   | QPSK  | 23.45 | -0.19 | 23.26 | 30 | PASS |
| Band66 | 3 | 132657 | 1  | #Mid | QPSK  | 23.44 | -0.19 | 23.25 | 30 | PASS |
| Band66 | 3 | 132657 | 1  | #Max | QPSK  | 23.47 | -0.19 | 23.28 | 30 | PASS |
| Band66 | 3 | 132657 | 8  | #0   | QPSK  | 21.68 | -0.19 | 21.49 | 30 | PASS |
| Band66 | 3 | 132657 | 8  | #Mid | QPSK  | 21.67 | -0.19 | 21.48 | 30 | PASS |
| Band66 | 3 | 132657 | 8  | #Max | QPSK  | 21.72 | -0.19 | 21.53 | 30 | PASS |
| Band66 | 3 | 132657 | 15 | #0   | QPSK  | 21.73 | -0.19 | 21.54 | 30 | PASS |
| Band66 | 3 | 132657 | 1  | #0   | 16QAM | 23.46 | -0.19 | 23.27 | 30 | PASS |
| Band66 | 3 | 132657 | 1  | #Mid | 16QAM | 23.55 | -0.19 | 23.36 | 30 | PASS |
| Band66 | 3 | 132657 | 1  | #Max | 16QAM | 23.59 | -0.19 | 23.40 | 30 | PASS |
| Band66 | 3 | 132657 | 8  | #0   | 16QAM | 22.52 | -0.19 | 22.33 | 30 | PASS |
| Band66 | 3 | 132657 | 8  | #Mid | 16QAM | 22.48 | -0.19 | 22.29 | 30 | PASS |
| Band66 | 3 | 132657 | 8  | #Max | 16QAM | 22.52 | -0.19 | 22.33 | 30 | PASS |
| Band66 | 3 | 132657 | 15 | #0   | 16QAM | 22.56 | -0.19 | 22.37 | 30 | PASS |
| Band66 | 5 | 131997 | 1  | #0   | QPSK  | 23.29 | -0.19 | 23.10 | 30 | PASS |
| Band66 | 5 | 131997 | 1  | #Mid | QPSK  | 23.21 | -0.19 | 23.02 | 30 | PASS |



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|        |    |        |    |      |       |       |       |       |    |      |
|--------|----|--------|----|------|-------|-------|-------|-------|----|------|
| Band66 | 5  | 131997 | 1  | #Max | QPSK  | 23.24 | -0.19 | 23.05 | 30 | PASS |
| Band66 | 5  | 131997 | 12 | #0   | QPSK  | 22.38 | -0.19 | 22.19 | 30 | PASS |
| Band66 | 5  | 131997 | 12 | #Mid | QPSK  | 22.27 | -0.19 | 22.08 | 30 | PASS |
| Band66 | 5  | 131997 | 12 | #Max | QPSK  | 22.36 | -0.19 | 22.17 | 30 | PASS |
| Band66 | 5  | 131997 | 25 | #0   | QPSK  | 22.41 | -0.19 | 22.22 | 30 | PASS |
| Band66 | 5  | 131997 | 1  | #0   | 16QAM | 22.98 | -0.19 | 22.79 | 30 | PASS |
| Band66 | 5  | 131997 | 1  | #Mid | 16QAM | 22.98 | -0.19 | 22.79 | 30 | PASS |
| Band66 | 5  | 131997 | 1  | #Max | 16QAM | 22.95 | -0.19 | 22.76 | 30 | PASS |
| Band66 | 5  | 131997 | 12 | #0   | 16QAM | 21.32 | -0.19 | 21.13 | 30 | PASS |
| Band66 | 5  | 131997 | 12 | #Mid | 16QAM | 21.30 | -0.19 | 21.11 | 30 | PASS |
| Band66 | 5  | 131997 | 12 | #Max | 16QAM | 21.26 | -0.19 | 21.07 | 30 | PASS |
| Band66 | 5  | 131997 | 25 | #0   | 16QAM | 21.39 | -0.19 | 21.20 | 30 | PASS |
| Band66 | 5  | 132322 | 1  | #0   | QPSK  | 23.32 | -0.19 | 23.13 | 30 | PASS |
| Band66 | 5  | 132322 | 1  | #Mid | QPSK  | 23.38 | -0.19 | 23.19 | 30 | PASS |
| Band66 | 5  | 132322 | 1  | #Max | QPSK  | 23.36 | -0.19 | 23.17 | 30 | PASS |
| Band66 | 5  | 132322 | 12 | #0   | QPSK  | 22.41 | -0.19 | 22.22 | 30 | PASS |
| Band66 | 5  | 132322 | 12 | #Mid | QPSK  | 22.41 | -0.19 | 22.22 | 30 | PASS |
| Band66 | 5  | 132322 | 12 | #Max | QPSK  | 22.32 | -0.19 | 22.13 | 30 | PASS |
| Band66 | 5  | 132322 | 25 | #0   | QPSK  | 22.37 | -0.19 | 22.18 | 30 | PASS |
| Band66 | 5  | 132322 | 1  | #0   | 16QAM | 22.52 | -0.19 | 22.33 | 30 | PASS |
| Band66 | 5  | 132322 | 1  | #Mid | 16QAM | 22.56 | -0.19 | 22.37 | 30 | PASS |
| Band66 | 5  | 132322 | 1  | #Max | 16QAM | 22.51 | -0.19 | 22.32 | 30 | PASS |
| Band66 | 5  | 132322 | 12 | #0   | 16QAM | 21.31 | -0.19 | 21.12 | 30 | PASS |
| Band66 | 5  | 132322 | 12 | #Mid | 16QAM | 21.29 | -0.19 | 21.10 | 30 | PASS |
| Band66 | 5  | 132322 | 12 | #Max | 16QAM | 21.32 | -0.19 | 21.13 | 30 | PASS |
| Band66 | 5  | 132322 | 25 | #0   | 16QAM | 21.42 | -0.19 | 21.23 | 30 | PASS |
| Band66 | 5  | 132647 | 1  | #0   | QPSK  | 23.41 | -0.19 | 23.22 | 30 | PASS |
| Band66 | 5  | 132647 | 1  | #Mid | QPSK  | 23.53 | -0.19 | 23.34 | 30 | PASS |
| Band66 | 5  | 132647 | 1  | #Max | QPSK  | 23.53 | -0.19 | 23.34 | 30 | PASS |
| Band66 | 5  | 132647 | 12 | #0   | QPSK  | 22.54 | -0.19 | 22.35 | 30 | PASS |
| Band66 | 5  | 132647 | 12 | #Mid | QPSK  | 22.61 | -0.19 | 22.42 | 30 | PASS |
| Band66 | 5  | 132647 | 12 | #Max | QPSK  | 22.65 | -0.19 | 22.46 | 30 | PASS |
| Band66 | 5  | 132647 | 25 | #0   | QPSK  | 22.66 | -0.19 | 22.47 | 30 | PASS |
| Band66 | 5  | 132647 | 1  | #0   | 16QAM | 22.93 | -0.19 | 22.74 | 30 | PASS |
| Band66 | 5  | 132647 | 1  | #Mid | 16QAM | 23.09 | -0.19 | 22.90 | 30 | PASS |
| Band66 | 5  | 132647 | 1  | #Max | 16QAM | 23.08 | -0.19 | 22.89 | 30 | PASS |
| Band66 | 5  | 132647 | 12 | #0   | 16QAM | 21.58 | -0.19 | 21.39 | 30 | PASS |
| Band66 | 5  | 132647 | 12 | #Mid | 16QAM | 21.65 | -0.19 | 21.46 | 30 | PASS |
| Band66 | 5  | 132647 | 12 | #Max | 16QAM | 21.61 | -0.19 | 21.42 | 30 | PASS |
| Band66 | 5  | 132647 | 25 | #0   | 16QAM | 21.59 | -0.19 | 21.40 | 30 | PASS |
| Band66 | 10 | 132022 | 1  | #0   | QPSK  | 24.08 | -0.19 | 23.89 | 30 | PASS |
| Band66 | 10 | 132022 | 1  | #Mid | QPSK  | 23.94 | -0.19 | 23.75 | 30 | PASS |
| Band66 | 10 | 132022 | 1  | #Max | QPSK  | 23.90 | -0.19 | 23.71 | 30 | PASS |
| Band66 | 10 | 132022 | 25 | #0   | QPSK  | 21.24 | -0.19 | 21.05 | 30 | PASS |



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|        |    |        |    |      |       |       |       |       |    |      |
|--------|----|--------|----|------|-------|-------|-------|-------|----|------|
| Band66 | 10 | 132022 | 25 | #Mid | QPSK  | 21.14 | -0.19 | 20.95 | 30 | PASS |
| Band66 | 10 | 132022 | 25 | #Max | QPSK  | 21.24 | -0.19 | 21.05 | 30 | PASS |
| Band66 | 10 | 132022 | 50 | #0   | QPSK  | 21.23 | -0.19 | 21.04 | 30 | PASS |
| Band66 | 10 | 132022 | 1  | #0   | 16QAM | 23.47 | -0.19 | 23.28 | 30 | PASS |
| Band66 | 10 | 132022 | 1  | #Mid | 16QAM | 23.38 | -0.19 | 23.19 | 30 | PASS |
| Band66 | 10 | 132022 | 1  | #Max | 16QAM | 23.32 | -0.19 | 23.13 | 30 | PASS |
| Band66 | 10 | 132022 | 25 | #0   | 16QAM | 22.36 | -0.19 | 22.17 | 30 | PASS |
| Band66 | 10 | 132022 | 25 | #Mid | 16QAM | 22.36 | -0.19 | 22.17 | 30 | PASS |
| Band66 | 10 | 132022 | 25 | #Max | 16QAM | 22.28 | -0.19 | 22.09 | 30 | PASS |
| Band66 | 10 | 132022 | 50 | #0   | 16QAM | 22.32 | -0.19 | 22.13 | 30 | PASS |
| Band66 | 10 | 132322 | 1  | #0   | QPSK  | 22.80 | -0.19 | 22.61 | 30 | PASS |
| Band66 | 10 | 132322 | 1  | #Mid | QPSK  | 22.89 | -0.19 | 22.70 | 30 | PASS |
| Band66 | 10 | 132322 | 1  | #Max | QPSK  | 22.96 | -0.19 | 22.77 | 30 | PASS |
| Band66 | 10 | 132322 | 25 | #0   | QPSK  | 21.43 | -0.19 | 21.24 | 30 | PASS |
| Band66 | 10 | 132322 | 25 | #Mid | QPSK  | 21.48 | -0.19 | 21.29 | 30 | PASS |
| Band66 | 10 | 132322 | 25 | #Max | QPSK  | 21.56 | -0.19 | 21.37 | 30 | PASS |
| Band66 | 10 | 132322 | 50 | #0   | QPSK  | 21.51 | -0.19 | 21.32 | 30 | PASS |
| Band66 | 10 | 132322 | 1  | #0   | 16QAM | 23.37 | -0.19 | 23.18 | 30 | PASS |
| Band66 | 10 | 132322 | 1  | #Mid | 16QAM | 23.50 | -0.19 | 23.31 | 30 | PASS |
| Band66 | 10 | 132322 | 1  | #Max | 16QAM | 23.49 | -0.19 | 23.30 | 30 | PASS |
| Band66 | 10 | 132322 | 25 | #0   | 16QAM | 22.36 | -0.19 | 22.17 | 30 | PASS |
| Band66 | 10 | 132322 | 25 | #Mid | 16QAM | 22.44 | -0.19 | 22.25 | 30 | PASS |
| Band66 | 10 | 132322 | 25 | #Max | 16QAM | 22.30 | -0.19 | 22.11 | 30 | PASS |
| Band66 | 10 | 132322 | 50 | #0   | 16QAM | 22.38 | -0.19 | 22.19 | 30 | PASS |
| Band66 | 10 | 132622 | 1  | #0   | QPSK  | 22.90 | -0.19 | 22.71 | 30 | PASS |
| Band66 | 10 | 132622 | 1  | #Mid | QPSK  | 23.01 | -0.19 | 22.82 | 30 | PASS |
| Band66 | 10 | 132622 | 1  | #Max | QPSK  | 23.19 | -0.19 | 23.00 | 30 | PASS |
| Band66 | 10 | 132622 | 25 | #0   | QPSK  | 21.54 | -0.19 | 21.35 | 30 | PASS |
| Band66 | 10 | 132622 | 25 | #Mid | QPSK  | 21.53 | -0.19 | 21.34 | 30 | PASS |
| Band66 | 10 | 132622 | 25 | #Max | QPSK  | 21.65 | -0.19 | 21.46 | 30 | PASS |
| Band66 | 10 | 132622 | 50 | #0   | QPSK  | 21.48 | -0.19 | 21.29 | 30 | PASS |
| Band66 | 10 | 132622 | 1  | #0   | 16QAM | 23.36 | -0.19 | 23.17 | 30 | PASS |
| Band66 | 10 | 132622 | 1  | #Mid | 16QAM | 23.47 | -0.19 | 23.28 | 30 | PASS |
| Band66 | 10 | 132622 | 1  | #Max | 16QAM | 23.65 | -0.19 | 23.46 | 30 | PASS |
| Band66 | 10 | 132622 | 25 | #0   | 16QAM | 22.37 | -0.19 | 22.18 | 30 | PASS |
| Band66 | 10 | 132622 | 25 | #Mid | 16QAM | 22.37 | -0.19 | 22.18 | 30 | PASS |
| Band66 | 10 | 132622 | 25 | #Max | 16QAM | 22.58 | -0.19 | 22.39 | 30 | PASS |
| Band66 | 10 | 132622 | 50 | #0   | 16QAM | 22.44 | -0.19 | 22.25 | 30 | PASS |
| Band66 | 15 | 132047 | 1  | #0   | QPSK  | 23.41 | -0.19 | 23.22 | 30 | PASS |
| Band66 | 15 | 132047 | 1  | #Mid | QPSK  | 23.10 | -0.19 | 22.91 | 30 | PASS |
| Band66 | 15 | 132047 | 1  | #Max | QPSK  | 23.17 | -0.19 | 22.98 | 30 | PASS |
| Band66 | 15 | 132047 | 36 | #0   | QPSK  | 22.30 | -0.19 | 22.11 | 30 | PASS |
| Band66 | 15 | 132047 | 36 | #Mid | QPSK  | 22.19 | -0.19 | 22.00 | 30 | PASS |
| Band66 | 15 | 132047 | 36 | #Max | QPSK  | 22.23 | -0.19 | 22.04 | 30 | PASS |



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|        |    |        |     |      |       |       |       |       |    |      |
|--------|----|--------|-----|------|-------|-------|-------|-------|----|------|
| Band66 | 15 | 132047 | 75  | #0   | QPSK  | 22.29 | -0.19 | 22.10 | 30 | PASS |
| Band66 | 15 | 132047 | 1   | #0   | 16QAM | 23.49 | -0.19 | 23.30 | 30 | PASS |
| Band66 | 15 | 132047 | 1   | #Mid | 16QAM | 23.26 | -0.19 | 23.07 | 30 | PASS |
| Band66 | 15 | 132047 | 1   | #Max | 16QAM | 23.18 | -0.19 | 22.99 | 30 | PASS |
| Band66 | 15 | 132047 | 36  | #0   | 16QAM | 22.38 | -0.19 | 22.19 | 30 | PASS |
| Band66 | 15 | 132047 | 36  | #Mid | 16QAM | 22.34 | -0.19 | 22.15 | 30 | PASS |
| Band66 | 15 | 132047 | 36  | #Max | 16QAM | 22.19 | -0.19 | 22.00 | 30 | PASS |
| Band66 | 15 | 132047 | 75  | #0   | 16QAM | 22.29 | -0.19 | 22.10 | 30 | PASS |
| Band66 | 15 | 132322 | 1   | #0   | QPSK  | 23.39 | -0.19 | 23.20 | 30 | PASS |
| Band66 | 15 | 132322 | 1   | #Mid | QPSK  | 23.55 | -0.19 | 23.36 | 30 | PASS |
| Band66 | 15 | 132322 | 1   | #Max | QPSK  | 23.56 | -0.19 | 23.37 | 30 | PASS |
| Band66 | 15 | 132322 | 36  | #0   | QPSK  | 22.30 | -0.19 | 22.11 | 30 | PASS |
| Band66 | 15 | 132322 | 36  | #Mid | QPSK  | 22.50 | -0.19 | 22.31 | 30 | PASS |
| Band66 | 15 | 132322 | 36  | #Max | QPSK  | 22.48 | -0.19 | 22.29 | 30 | PASS |
| Band66 | 15 | 132322 | 75  | #0   | QPSK  | 22.33 | -0.19 | 22.14 | 30 | PASS |
| Band66 | 15 | 132322 | 1   | #0   | 16QAM | 23.30 | -0.19 | 23.11 | 30 | PASS |
| Band66 | 15 | 132322 | 1   | #Mid | 16QAM | 23.46 | -0.19 | 23.27 | 30 | PASS |
| Band66 | 15 | 132322 | 1   | #Max | 16QAM | 23.44 | -0.19 | 23.25 | 30 | PASS |
| Band66 | 15 | 132322 | 36  | #0   | 16QAM | 22.46 | -0.19 | 22.27 | 30 | PASS |
| Band66 | 15 | 132322 | 36  | #Mid | 16QAM | 22.39 | -0.19 | 22.20 | 30 | PASS |
| Band66 | 15 | 132322 | 36  | #Max | 16QAM | 22.38 | -0.19 | 22.19 | 30 | PASS |
| Band66 | 15 | 132322 | 75  | #0   | 16QAM | 22.49 | -0.19 | 22.30 | 30 | PASS |
| Band66 | 15 | 132597 | 1   | #0   | QPSK  | 23.37 | -0.19 | 23.18 | 30 | PASS |
| Band66 | 15 | 132597 | 1   | #Mid | QPSK  | 23.52 | -0.19 | 23.33 | 30 | PASS |
| Band66 | 15 | 132597 | 1   | #Max | QPSK  | 23.75 | -0.19 | 23.56 | 30 | PASS |
| Band66 | 15 | 132597 | 36  | #0   | QPSK  | 22.46 | -0.19 | 22.27 | 30 | PASS |
| Band66 | 15 | 132597 | 36  | #Mid | QPSK  | 22.46 | -0.19 | 22.27 | 30 | PASS |
| Band66 | 15 | 132597 | 36  | #Max | QPSK  | 22.49 | -0.19 | 22.30 | 30 | PASS |
| Band66 | 15 | 132597 | 75  | #0   | QPSK  | 22.47 | -0.19 | 22.28 | 30 | PASS |
| Band66 | 15 | 132597 | 1   | #0   | 16QAM | 23.36 | -0.19 | 23.17 | 30 | PASS |
| Band66 | 15 | 132597 | 1   | #Mid | 16QAM | 23.40 | -0.19 | 23.21 | 30 | PASS |
| Band66 | 15 | 132597 | 1   | #Max | 16QAM | 23.60 | -0.19 | 23.41 | 30 | PASS |
| Band66 | 15 | 132597 | 36  | #0   | 16QAM | 22.34 | -0.19 | 22.15 | 30 | PASS |
| Band66 | 15 | 132597 | 36  | #Mid | 16QAM | 22.51 | -0.19 | 22.32 | 30 | PASS |
| Band66 | 15 | 132597 | 36  | #Max | 16QAM | 22.58 | -0.19 | 22.39 | 30 | PASS |
| Band66 | 15 | 132597 | 75  | #0   | 16QAM | 22.45 | -0.19 | 22.26 | 30 | PASS |
| Band66 | 20 | 132072 | 1   | #0   | QPSK  | 24.09 | -0.19 | 23.90 | 30 | PASS |
| Band66 | 20 | 132072 | 1   | #Mid | QPSK  | 23.94 | -0.19 | 23.75 | 30 | PASS |
| Band66 | 20 | 132072 | 1   | #Max | QPSK  | 23.84 | -0.19 | 23.65 | 30 | PASS |
| Band66 | 20 | 132072 | 50  | #0   | QPSK  | 21.33 | -0.19 | 21.14 | 30 | PASS |
| Band66 | 20 | 132072 | 50  | #Mid | QPSK  | 21.33 | -0.19 | 21.14 | 30 | PASS |
| Band66 | 20 | 132072 | 50  | #Max | QPSK  | 21.25 | -0.19 | 21.06 | 30 | PASS |
| Band66 | 20 | 132072 | 100 | #0   | QPSK  | 21.33 | -0.19 | 21.14 | 30 | PASS |
| Band66 | 20 | 132072 | 1   | #0   | 16QAM | 22.60 | -0.19 | 22.41 | 30 | PASS |



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|        |    |        |     |      |       |       |       |       |    |      |
|--------|----|--------|-----|------|-------|-------|-------|-------|----|------|
| Band66 | 20 | 132072 | 1   | #Mid | 16QAM | 22.46 | -0.19 | 22.27 | 30 | PASS |
| Band66 | 20 | 132072 | 1   | #Max | 16QAM | 22.35 | -0.19 | 22.16 | 30 | PASS |
| Band66 | 20 | 132072 | 50  | #0   | 16QAM | 21.36 | -0.19 | 21.17 | 30 | PASS |
| Band66 | 20 | 132072 | 50  | #Mid | 16QAM | 21.74 | -0.19 | 21.55 | 30 | PASS |
| Band66 | 20 | 132072 | 50  | #Max | 16QAM | 21.33 | -0.19 | 21.14 | 30 | PASS |
| Band66 | 20 | 132072 | 100 | #0   | 16QAM | 21.64 | -0.19 | 21.45 | 30 | PASS |
| Band66 | 20 | 132322 | 1   | #0   | QPSK  | 22.78 | -0.19 | 22.59 | 30 | PASS |
| Band66 | 20 | 132322 | 1   | #Mid | QPSK  | 22.89 | -0.19 | 22.70 | 30 | PASS |
| Band66 | 20 | 132322 | 1   | #Max | QPSK  | 22.85 | -0.19 | 22.66 | 30 | PASS |
| Band66 | 20 | 132322 | 50  | #0   | QPSK  | 21.80 | -0.19 | 21.61 | 30 | PASS |
| Band66 | 20 | 132322 | 50  | #Mid | QPSK  | 21.58 | -0.19 | 21.39 | 30 | PASS |
| Band66 | 20 | 132322 | 50  | #Max | QPSK  | 21.58 | -0.19 | 21.39 | 30 | PASS |
| Band66 | 20 | 132322 | 100 | #0   | QPSK  | 21.43 | -0.19 | 21.24 | 30 | PASS |
| Band66 | 20 | 132322 | 1   | #0   | 16QAM | 23.29 | -0.19 | 23.10 | 30 | PASS |
| Band66 | 20 | 132322 | 1   | #Mid | 16QAM | 23.01 | -0.19 | 22.82 | 30 | PASS |
| Band66 | 20 | 132322 | 1   | #Max | 16QAM | 23.06 | -0.19 | 22.87 | 30 | PASS |
| Band66 | 20 | 132322 | 50  | #0   | 16QAM | 21.70 | -0.19 | 21.51 | 30 | PASS |
| Band66 | 20 | 132322 | 50  | #Mid | 16QAM | 21.52 | -0.19 | 21.33 | 30 | PASS |
| Band66 | 20 | 132322 | 50  | #Max | 16QAM | 21.51 | -0.19 | 21.32 | 30 | PASS |
| Band66 | 20 | 132322 | 100 | #0   | 16QAM | 21.34 | -0.19 | 21.15 | 30 | PASS |
| Band66 | 20 | 132572 | 1   | #0   | QPSK  | 23.50 | -0.19 | 23.31 | 30 | PASS |
| Band66 | 20 | 132572 | 1   | #Mid | QPSK  | 23.54 | -0.19 | 23.35 | 30 | PASS |
| Band66 | 20 | 132572 | 1   | #Max | QPSK  | 23.67 | -0.19 | 23.48 | 30 | PASS |
| Band66 | 20 | 132572 | 50  | #0   | QPSK  | 21.34 | -0.19 | 21.15 | 30 | PASS |
| Band66 | 20 | 132572 | 50  | #Mid | QPSK  | 21.55 | -0.19 | 21.36 | 30 | PASS |
| Band66 | 20 | 132572 | 50  | #Max | QPSK  | 21.68 | -0.19 | 21.49 | 30 | PASS |
| Band66 | 20 | 132572 | 100 | #0   | QPSK  | 21.57 | -0.19 | 21.38 | 30 | PASS |
| Band66 | 20 | 132572 | 1   | #0   | 16QAM | 22.62 | -0.19 | 22.43 | 30 | PASS |
| Band66 | 20 | 132572 | 1   | #Mid | 16QAM | 22.85 | -0.19 | 22.66 | 30 | PASS |
| Band66 | 20 | 132572 | 1   | #Max | 16QAM | 22.97 | -0.19 | 22.78 | 30 | PASS |
| Band66 | 20 | 132572 | 50  | #0   | 16QAM | 21.36 | -0.19 | 21.17 | 30 | PASS |
| Band66 | 20 | 132572 | 50  | #Mid | 16QAM | 21.40 | -0.19 | 21.21 | 30 | PASS |
| Band66 | 20 | 132572 | 50  | #Max | 16QAM | 21.53 | -0.19 | 21.34 | 30 | PASS |
| Band66 | 20 | 132572 | 100 | #0   | 16QAM | 21.45 | -0.19 | 21.26 | 30 | PASS |



## Report

### Frequency stability

| LTE Band 2 (QPSK) / 1880MHz / BW20M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 2.04       | 0.001      | 2.5ppm | PASS   |
| 40                                  |                 | 2.22       | 0.001      |        |        |
| 30                                  |                 | -2.43      | -0.001     |        |        |
| 20                                  |                 | 2.92       | 0.002      |        |        |
| 10                                  |                 | 2.25       | 0.001      |        |        |
| 0                                   |                 | -2.51      | -0.001     |        |        |
| -10                                 |                 | 2.38       | 0.001      |        |        |
| -20                                 |                 | -2.21      | -0.001     |        |        |
| -30                                 |                 | -2.50      | -0.001     |        |        |
| 20                                  | Maximum Voltage | 3.52       | 0.002      |        |        |
| 20                                  | BEP             | 3.61       | 0.002      |        |        |

| LTE Band 2 (16QAM) / 1880MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 0.53       | 0.000      | 2.5ppm | PASS   |
| 40                                   |                 | -0.46      | 0.000      |        |        |
| 30                                   |                 | 0.54       | 0.000      |        |        |
| 20                                   |                 | -2.57      | -0.001     |        |        |
| 10                                   |                 | 0.16       | 0.000      |        |        |
| 0                                    |                 | -0.59      | 0.000      |        |        |
| -10                                  |                 | -0.64      | 0.000      |        |        |
| -20                                  |                 | 0.59       | 0.000      |        |        |
| -30                                  |                 | 0.22       | 0.000      |        |        |
| 20                                   | Maximum Voltage | -0.72      | 0.000      |        |        |
| 20                                   | BEP             | -0.59      | 0.000      |        |        |



## Report

| LTE Band 4 (QPSK) / 1733MHz / BW20M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 6.93       | 0.004      | 2.5ppm | PASS   |
| 40                                  |                 | 7.12       | 0.004      |        |        |
| 30                                  |                 | -6.98      | -0.004     |        |        |
| 20                                  |                 | 12.53      | 0.007      |        |        |
| 10                                  |                 | -7.32      | -0.004     |        |        |
| 0                                   |                 | 6.95       | 0.004      |        |        |
| -10                                 |                 | 7.28       | 0.004      |        |        |
| -20                                 |                 | 6.87       | 0.004      |        |        |
| -30                                 |                 | -7.03      | -0.004     |        |        |
| 20                                  | Maximum Voltage | 10.39      | 0.006      |        |        |
| 20                                  | BEP             | 10.41      | 0.006      |        |        |

| LTE Band 4 (16QAM) / 1733MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 8.32       | 0.005      | 2.5ppm | PASS   |
| 40                                   |                 | -8.24      | -0.005     |        |        |
| 30                                   |                 | 7.88       | 0.005      |        |        |
| 20                                   |                 | 14.56      | 0.008      |        |        |
| 10                                   |                 | -7.85      | -0.005     |        |        |
| 0                                    |                 | 8.32       | 0.005      |        |        |
| -10                                  |                 | 8.33       | 0.005      |        |        |
| -20                                  |                 | 8.32       | 0.005      |        |        |
| -30                                  |                 | 8.19       | 0.005      |        |        |
| 20                                   | Maximum Voltage | -4.05      | -0.002     |        |        |
| 20                                   | BEP             | 11.80      | 0.007      |        |        |



## Report

| LTE Band 5 (QPSK) / 836.5MHz / BW10M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | -3.20      | -0.004     | 2.5ppm | PASS   |
| 40                                   |                 | -2.95      | -0.004     |        |        |
| 30                                   |                 | -3.47      | -0.004     |        |        |
| 20                                   |                 | 4.84       | 0.006      |        |        |
| 10                                   |                 | 3.05       | 0.004      |        |        |
| 0                                    |                 | 3.50       | 0.004      |        |        |
| -10                                  |                 | -3.01      | -0.004     |        |        |
| -20                                  |                 | 3.11       | 0.004      |        |        |
| -30                                  |                 | 3.40       | 0.004      |        |        |
| 20                                   | Maximum Voltage | -1.50      | -0.002     |        |        |
| 20                                   | BEP             | -1.63      | -0.002     |        |        |

| LTE Band 5 (16QAM) / 836.5MHz / BW10M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | -3.03      | -0.004     | 2.5ppm | PASS   |
| 40                                    |                 | -3.60      | -0.004     |        |        |
| 30                                    |                 | 3.14       | 0.004      |        |        |
| 20                                    |                 | 4.98       | 0.006      |        |        |
| 10                                    |                 | 3.43       | 0.004      |        |        |
| 0                                     |                 | 3.11       | 0.004      |        |        |
| -10                                   |                 | 3.57       | 0.004      |        |        |
| -20                                   |                 | 3.43       | 0.004      |        |        |
| -30                                   |                 | 3.43       | 0.004      |        |        |
| 20                                    | Maximum Voltage | -1.60      | -0.002     |        |        |
| 20                                    | BEP             | -1.59      | -0.002     |        |        |



## Report

| LTE Band 7 (QPSK) / 2535MHz / BW20M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | -12.78     | -0.005     | 2.5ppm | PASS   |
| 40                                  |                 | -12.67     | -0.005     |        |        |
| 30                                  |                 | -12.82     | -0.005     |        |        |
| 20                                  |                 | 23.53      | 0.009      |        |        |
| 10                                  |                 | -12.67     | -0.005     |        |        |
| 0                                   |                 | 12.55      | 0.005      |        |        |
| -10                                 |                 | 12.41      | 0.005      |        |        |
| -20                                 |                 | 12.78      | 0.005      |        |        |
| -30                                 |                 | 12.63      | 0.005      |        |        |
| 20                                  | Maximum Voltage | 18.45      | 0.007      |        |        |
| 20                                  | BEP             | -6.42      | -0.003     |        |        |

| LTE Band 7 (16QAM) / 2535MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 14.55      | 0.006      | 2.5ppm | PASS   |
| 40                                   |                 | -14.35     | -0.006     |        |        |
| 30                                   |                 | -14.67     | -0.006     |        |        |
| 20                                   |                 | 27.32      | 0.011      |        |        |
| 10                                   |                 | 14.33      | 0.006      |        |        |
| 0                                    |                 | -14.50     | -0.006     |        |        |
| -10                                  |                 | 14.72      | 0.006      |        |        |
| -20                                  |                 | -14.27     | -0.006     |        |        |
| -30                                  |                 | 14.50      | 0.006      |        |        |
| 20                                   | Maximum Voltage | 21.44      | 0.008      |        |        |
| 20                                   | BEP             | -7.29      | -0.003     |        |        |



## Report

| LTE Band 12 (QPSK) / 707.5MHz / BW10M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | 0.36       | 0.001      | 2.5ppm | PASS   |
| 40                                    |                 | -0.14      | 0.000      |        |        |
| 30                                    |                 | 0.52       | 0.001      |        |        |
| 20                                    |                 | -0.86      | -0.001     |        |        |
| 10                                    |                 | 0.49       | 0.001      |        |        |
| 0                                     |                 | -0.22      | 0.000      |        |        |
| -10                                   |                 | 0.20       | 0.000      |        |        |
| -20                                   |                 | 0.24       | 0.000      |        |        |
| -30                                   |                 | 0.20       | 0.000      |        |        |
| 20                                    | Maximum Voltage | 0.40       | 0.001      |        |        |
| 20                                    | BEP             | -0.17      | 0.000      |        |        |

| LTE Band 12 (16QAM) / 707.5MHz / BW10M |                 |            |            |        |        |
|----------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                       | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                        | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                     | Normal Voltage  | 0.54       | 0.001      | 2.5ppm | PASS   |
| 40                                     |                 | 0.64       | 0.001      |        |        |
| 30                                     |                 | 0.71       | 0.001      |        |        |
| 20                                     |                 | -2.65      | -0.004     |        |        |
| 10                                     |                 | 0.24       | 0.000      |        |        |
| 0                                      |                 | 0.55       | 0.001      |        |        |
| -10                                    |                 | 0.35       | 0.000      |        |        |
| -20                                    |                 | -0.22      | 0.000      |        |        |
| -30                                    |                 | -0.63      | -0.001     |        |        |
| 20                                     | Maximum Voltage | 0.11       | 0.000      |        |        |
| 20                                     | BEP             | 0.11       | 0.000      |        |        |



## Report

| LTE Band 17 (QPSK) / 710MHz / BW10M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 1.57       | 0.002      | 2.5ppm | PASS   |
| 40                                  |                 | 1.60       | 0.002      |        |        |
| 30                                  |                 | 1.48       | 0.002      |        |        |
| 20                                  |                 | 1.37       | 0.002      |        |        |
| 10                                  |                 | 1.78       | 0.003      |        |        |
| 0                                   |                 | -1.66      | -0.002     |        |        |
| -10                                 |                 | -1.49      | -0.002     |        |        |
| -20                                 |                 | -1.25      | -0.002     |        |        |
| -30                                 |                 | 1.32       | 0.002      |        |        |
| 20                                  | Maximum Voltage | 2.47       | 0.003      |        |        |
| 20                                  | BEP             | 2.04       | 0.003      |        |        |

| LTE Band 17 (16QAM) / 710MHz / BW10M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | -1.10      | -0.002     | 2.5ppm | PASS   |
| 40                                   |                 | -1.12      | -0.002     |        |        |
| 30                                   |                 | -1.46      | -0.002     |        |        |
| 20                                   |                 | 0.76       | 0.001      |        |        |
| 10                                   |                 | 1.47       | 0.002      |        |        |
| 0                                    |                 | -1.11      | -0.002     |        |        |
| -10                                  |                 | 1.20       | 0.002      |        |        |
| -20                                  |                 | -1.17      | -0.002     |        |        |
| -30                                  |                 | -1.36      | -0.002     |        |        |
| 20                                   | Maximum Voltage | -0.53      | -0.001     |        |        |
| 20                                   | BEP             | -0.65      | -0.001     |        |        |



## Report

| LTE Band 26 (QPSK) / 819MHz / BW10M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | -8.19      | -0.010     | 2.5ppm | PASS   |
| 40                                  |                 | -8.15      | -0.010     |        |        |
| 30                                  |                 | -7.96      | -0.010     |        |        |
| 20                                  |                 | -18.12     | -0.022     |        |        |
| 10                                  |                 | -8.13      | -0.010     |        |        |
| 0                                   |                 | 8.52       | 0.010      |        |        |
| -10                                 |                 | -8.26      | -0.010     |        |        |
| -20                                 |                 | -8.21      | -0.010     |        |        |
| -30                                 |                 | 8.52       | 0.010      |        |        |
| 20                                  | Maximum Voltage | -12.41     | -0.015     |        |        |
| 20                                  | BEP             | 4.01       | 0.005      |        |        |

| LTE Band 26 (16QAM) / 819MHz / BW10M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 9.18       | 0.011      | 2.5ppm | PASS   |
| 40                                   |                 | 9.62       | 0.012      |        |        |
| 30                                   |                 | -9.42      | -0.011     |        |        |
| 20                                   |                 | -20.36     | -0.025     |        |        |
| 10                                   |                 | -9.65      | -0.012     |        |        |
| 0                                    |                 | 9.47       | 0.012      |        |        |
| -10                                  |                 | -9.08      | -0.011     |        |        |
| -20                                  |                 | 9.48       | 0.012      |        |        |
| -30                                  |                 | -9.59      | -0.012     |        |        |
| 20                                   | Maximum Voltage | -14.18     | -0.017     |        |        |
| 20                                   | BEP             | 4.72       | 0.006      |        |        |



## Report

| LTE Band 26 (QPSK) / 836.5MHz / BW15M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | 2.33       | 0.003      | 2.5ppm | PASS   |
| 40                                    |                 | -2.39      | -0.003     |        |        |
| 30                                    |                 | 2.29       | 0.003      |        |        |
| 20                                    |                 | 3.48       | 0.004      |        |        |
| 10                                    |                 | 2.84       | 0.003      |        |        |
| 0                                     |                 | -2.49      | -0.003     |        |        |
| -10                                   |                 | 2.54       | 0.003      |        |        |
| -20                                   |                 | 2.68       | 0.003      |        |        |
| -30                                   |                 | -2.79      | -0.003     |        |        |
| 20                                    | Maximum Voltage | 3.49       | 0.004      |        |        |
| 20                                    | BEP             | -1.21      | -0.001     |        |        |

| LTE Band 26 (16QAM) / 836.5MHz / BW15M |                 |            |            |        |        |
|----------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                       | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                        | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                     | Normal Voltage  | 2.70       | 0.003      | 2.5ppm | PASS   |
| 40                                     |                 | 2.84       | 0.003      |        |        |
| 30                                     |                 | 2.47       | 0.003      |        |        |
| 20                                     |                 | 3.75       | 0.004      |        |        |
| 10                                     |                 | -2.80      | -0.003     |        |        |
| 0                                      |                 | -2.94      | -0.004     |        |        |
| -10                                    |                 | -2.40      | -0.003     |        |        |
| -20                                    |                 | -2.54      | -0.003     |        |        |
| -30                                    |                 | -2.62      | -0.003     |        |        |
| 20                                     | Maximum Voltage | 4.01       | 0.005      |        |        |
| 20                                     | BEP             | 3.74       | 0.004      |        |        |



## Report

| LTE Band 30 (QPSK) / 2310MHz / BW10M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | -1.19      | -0.001     | 2.5ppm | PASS   |
| 40                                   |                 | 1.33       | 0.001      |        |        |
| 30                                   |                 | 1.31       | 0.001      |        |        |
| 20                                   |                 | 1.19       | 0.001      |        |        |
| 10                                   |                 | 1.54       | 0.001      |        |        |
| 0                                    |                 | 1.42       | 0.001      |        |        |
| -10                                  |                 | -1.17      | -0.001     |        |        |
| -20                                  |                 | -1.41      | -0.001     |        |        |
| -30                                  |                 | -1.70      | -0.001     |        |        |
| 20                                   | Maximum Voltage | 2.04       | 0.001      |        |        |
| 20                                   | BEP             | -0.56      | 0.000      |        |        |

| LTE Band 30 (16QAM) / 2310MHz / BW10M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | 0.99       | 0.000      | 2.5ppm | PASS   |
| 40                                    |                 | -0.69      | 0.000      |        |        |
| 30                                    |                 | 0.80       | 0.000      |        |        |
| 20                                    |                 | -3.60      | -0.002     |        |        |
| 10                                    |                 | -1.01      | 0.000      |        |        |
| 0                                     |                 | 1.17       | 0.001      |        |        |
| -10                                   |                 | -0.97      | 0.000      |        |        |
| -20                                   |                 | -0.73      | 0.000      |        |        |
| -30                                   |                 | 1.11       | 0.000      |        |        |
| 20                                    | Maximum Voltage | 0.53       | 0.000      |        |        |
| 20                                    | BEP             | 0.53       | 0.000      |        |        |



## Report

| LTE Band 38 (QPSK) / 2595MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 14.30      | 0.006      | 2.5ppm | PASS   |
| 40                                   |                 | 13.94      | 0.005      |        |        |
| 30                                   |                 | -13.83     | -0.005     |        |        |
| 20                                   |                 | 26.56      | 0.010      |        |        |
| 10                                   |                 | -13.88     | -0.005     |        |        |
| 0                                    |                 | 14.39      | 0.006      |        |        |
| -10                                  |                 | -14.28     | -0.006     |        |        |
| -20                                  |                 | 14.17      | 0.005      |        |        |
| -30                                  |                 | 14.09      | 0.005      |        |        |
| 20                                   | Maximum Voltage | -7.10      | -0.003     |        |        |
| 20                                   | BEP             | -7.14      | -0.003     |        |        |

| LTE Band 38 (16QAM) / 2595MHz / BW20M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | 17.46      | 0.007      | 2.5ppm | PASS   |
| 40                                    |                 | 17.39      | 0.007      |        |        |
| 30                                    |                 | 17.57      | 0.007      |        |        |
| 20                                    |                 | 33.72      | 0.013      |        |        |
| 10                                    |                 | -17.87     | -0.007     |        |        |
| 0                                     |                 | -17.76     | -0.007     |        |        |
| -10                                   |                 | 17.77      | 0.007      |        |        |
| -20                                   |                 | -17.80     | -0.007     |        |        |
| -30                                   |                 | 17.96      | 0.007      |        |        |
| 20                                    | Maximum Voltage | 26.73      | 0.010      |        |        |
| 20                                    | BEP             | -8.75      | -0.003     |        |        |



## Report

| Band40(2350-2360)(QPSK) / 2355MHz / BW10M |                 |            |            |        |        |
|-------------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                          | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                           | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                        | Normal Voltage  | 6.48       | 0.003      | 2.5ppm | PASS   |
| 40                                        |                 | 6.15       | 0.003      |        |        |
| 30                                        |                 | -6.38      | -0.003     |        |        |
| 20                                        |                 | 10.93      | 0.005      |        |        |
| 10                                        |                 | -6.06      | -0.003     |        |        |
| 0                                         |                 | 6.48       | 0.003      |        |        |
| -10                                       |                 | -6.44      | -0.003     |        |        |
| -20                                       |                 | 6.48       | 0.003      |        |        |
| -30                                       |                 | 6.47       | 0.003      |        |        |
| 20                                        | Maximum Voltage | -3.00      | -0.001     |        |        |
| 20                                        | BEP             | 9.03       | 0.004      |        |        |

| Band40(2350-2360)(16QAM) / 2355MHz / BW10M |                 |            |            |        |        |
|--------------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                           | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                            | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                         | Normal Voltage  | 5.30       | 0.002      | 2.5ppm | PASS   |
| 40                                         |                 | -5.35      | -0.002     |        |        |
| 30                                         |                 | 5.28       | 0.002      |        |        |
| 20                                         |                 | 8.60       | 0.004      |        |        |
| 10                                         |                 | 5.23       | 0.002      |        |        |
| 0                                          |                 | 4.88       | 0.002      |        |        |
| -10                                        |                 | -5.39      | -0.002     |        |        |
| -20                                        |                 | -5.14      | -0.002     |        |        |
| -30                                        |                 | -5.02      | -0.002     |        |        |
| 20                                         | Maximum Voltage | 8.04       | 0.003      |        |        |
| 20                                         | BEP             | 7.39       | 0.003      |        |        |



## Report

| Band40(2305-2315) (QPSK) / 2310MHz / BW10M |                 |            |            |        |        |
|--------------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                           | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                            | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                         | Normal Voltage  | -11.98     | -0.005     | 2.5ppm | PASS   |
| 40                                         |                 | 11.84      | 0.005      |        |        |
| 30                                         |                 | -11.65     | -0.005     |        |        |
| 20                                         |                 | -25.18     | -0.011     |        |        |
| 10                                         |                 | -11.97     | -0.005     |        |        |
| 0                                          |                 | 11.75      | 0.005      |        |        |
| -10                                        |                 | 11.67      | 0.005      |        |        |
| -20                                        |                 | -11.56     | -0.005     |        |        |
| -30                                        |                 | 11.64      | 0.005      |        |        |
| 20                                         | Maximum Voltage | 5.94       | 0.003      |        |        |
| 20                                         | BEP             | -17.49     | -0.008     |        |        |

| Band40(2305-2315) (16QAM) / 2310MHz / BW10M |                 |            |            |        |        |
|---------------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                            | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                             | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                          | Normal Voltage  | -16.41     | -0.007     | 2.5ppm | PASS   |
| 40                                          |                 | 16.44      | 0.007      |        |        |
| 30                                          |                 | 16.67      | 0.007      |        |        |
| 20                                          |                 | -34.63     | -0.015     |        |        |
| 10                                          |                 | 16.79      | 0.007      |        |        |
| 0                                           |                 | -16.50     | -0.007     |        |        |
| -10                                         |                 | -16.24     | -0.007     |        |        |
| -20                                         |                 | -16.52     | -0.007     |        |        |
| -30                                         |                 | 16.68      | 0.007      |        |        |
| 20                                          | Maximum Voltage | 8.38       | 0.004      |        |        |
| 20                                          | BEP             | 8.18       | 0.004      |        |        |



## Report

| LTE Band 41 (QPSK) / 2593MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 4.63       | 0.002      | 2.5ppm | PASS   |
| 40                                   |                 | 4.66       | 0.002      |        |        |
| 30                                   |                 | 4.87       | 0.002      |        |        |
| 20                                   |                 | -11.47     | -0.004     |        |        |
| 10                                   |                 | -4.68      | -0.002     |        |        |
| 0                                    |                 | -4.77      | -0.002     |        |        |
| -10                                  |                 | 4.89       | 0.002      |        |        |
| -20                                  |                 | -5.15      | -0.002     |        |        |
| -30                                  |                 | -4.84      | -0.002     |        |        |
| 20                                   | Maximum Voltage | -7.73      | -0.003     |        |        |
| 20                                   | BEP             | -7.15      | -0.003     |        |        |

| LTE Band 41 (16QAM) / 2593MHz / BW20M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | -5.38      | -0.002     | 2.5ppm | PASS   |
| 40                                    |                 | -5.50      | -0.002     |        |        |
| 30                                    |                 | 5.89       | 0.002      |        |        |
| 20                                    |                 | -12.86     | -0.005     |        |        |
| 10                                    |                 | 5.75       | 0.002      |        |        |
| 0                                     |                 | 5.90       | 0.002      |        |        |
| -10                                   |                 | -5.63      | -0.002     |        |        |
| -20                                   |                 | -5.44      | -0.002     |        |        |
| -30                                   |                 | -5.41      | -0.002     |        |        |
| 20                                    | Maximum Voltage | -8.03      | -0.003     |        |        |
| 20                                    | BEP             | -8.68      | -0.003     |        |        |



## Report

| LTE Band 66 (QPSK) / 1745MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | -5.48      | -0.003     | 2.5ppm | PASS   |
| 40                                   |                 | -5.95      | -0.003     |        |        |
| 30                                   |                 | -5.82      | -0.003     |        |        |
| 20                                   |                 | 9.70       | 0.006      |        |        |
| 10                                   |                 | 5.64       | 0.003      |        |        |
| 0                                    |                 | -5.52      | -0.003     |        |        |
| -10                                  |                 | 5.42       | 0.003      |        |        |
| -20                                  |                 | -5.43      | -0.003     |        |        |
| -30                                  |                 | 5.60       | 0.003      |        |        |
| 20                                   | Maximum Voltage | 8.72       | 0.005      |        |        |
| 20                                   | BEP             | 8.09       | 0.005      |        |        |

| LTE Band 66 (16QAM) / 1745MHz / BW20M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | 3.83       | 0.002      | 2.5ppm | PASS   |
| 40                                    |                 | 3.51       | 0.002      |        |        |
| 30                                    |                 | 3.89       | 0.002      |        |        |
| 20                                    |                 | 5.59       | 0.003      |        |        |
| 10                                    |                 | 3.74       | 0.002      |        |        |
| 0                                     |                 | -3.46      | -0.002     |        |        |
| -10                                   |                 | -3.76      | -0.002     |        |        |
| -20                                   |                 | 3.64       | 0.002      |        |        |
| -30                                   |                 | 3.34       | 0.002      |        |        |
| 20                                    | Maximum Voltage | 5.44       | 0.003      |        |        |
| 20                                    | BEP             | -1.82      | -0.001     |        |        |



## Report

### Peak-to-Average Ratio

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band2 | 1.4             | 18607      | 1       | #0          | QPSK       | 5.12        | 13              | PASS    |
| Band2 | 1.4             | 18607      | 1       | #0          | 16QAM      | 5.81        | 13              | PASS    |
| Band2 | 1.4             | 18900      | 1       | #0          | QPSK       | 4.66        | 13              | PASS    |
| Band2 | 1.4             | 18900      | 1       | #0          | 16QAM      | 5.28        | 13              | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | QPSK       | 4.78        | 13              | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | 16QAM      | 5.37        | 13              | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | QPSK       | 5.14        | 13              | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | 16QAM      | 5.94        | 13              | PASS    |
| Band2 | 3               | 18900      | 1       | #0          | QPSK       | 4.86        | 13              | PASS    |
| Band2 | 3               | 18900      | 1       | #0          | 16QAM      | 5.21        | 13              | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | QPSK       | 4.98        | 13              | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | 16QAM      | 5.58        | 13              | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | QPSK       | 5.33        | 13              | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | 16QAM      | 5.93        | 13              | PASS    |
| Band2 | 5               | 18900      | 1       | #0          | QPSK       | 4.87        | 13              | PASS    |
| Band2 | 5               | 18900      | 1       | #0          | 16QAM      | 5.42        | 13              | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | QPSK       | 5.43        | 13              | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | 16QAM      | 5.92        | 13              | PASS    |
| Band2 | 10              | 18650      | 1       | #0          | QPSK       | 5.18        | 13              | PASS    |
| Band2 | 10              | 18650      | 1       | #0          | 16QAM      | 5.84        | 13              | PASS    |
| Band2 | 10              | 18900      | 1       | #0          | QPSK       | 5.18        | 13              | PASS    |
| Band2 | 10              | 18900      | 1       | #0          | 16QAM      | 5.91        | 13              | PASS    |
| Band2 | 10              | 19150      | 1       | #0          | QPSK       | 5.03        | 13              | PASS    |
| Band2 | 10              | 19150      | 1       | #0          | 16QAM      | 5.82        | 13              | PASS    |
| Band2 | 15              | 18675      | 1       | #0          | QPSK       | 5.18        | 13              | PASS    |
| Band2 | 15              | 18675      | 1       | #0          | 16QAM      | 6.04        | 13              | PASS    |
| Band2 | 15              | 18900      | 1       | #0          | QPSK       | 5.39        | 13              | PASS    |
| Band2 | 15              | 18900      | 1       | #0          | 16QAM      | 6.14        | 13              | PASS    |
| Band2 | 15              | 19125      | 1       | #0          | QPSK       | 5.23        | 13              | PASS    |
| Band2 | 15              | 19125      | 1       | #0          | 16QAM      | 5.68        | 13              | PASS    |
| Band2 | 20              | 18700      | 1       | #0          | QPSK       | 5.14        | 13              | PASS    |
| Band2 | 20              | 18700      | 1       | #0          | 16QAM      | 5.63        | 13              | PASS    |
| Band2 | 20              | 18900      | 1       | #0          | QPSK       | 5.18        | 13              | PASS    |
| Band2 | 20              | 18900      | 1       | #0          | 16QAM      | 5.86        | 13              | PASS    |
| Band2 | 20              | 19100      | 1       | #0          | QPSK       | 5.62        | 13              | PASS    |
| Band2 | 20              | 19100      | 1       | #0          | 16QAM      | 6.04        | 13              | PASS    |
| Band4 | 1.4             | 19957      | 1       | #0          | QPSK       | 5.46        | 13              | PASS    |
| Band4 | 1.4             | 19957      | 1       | #0          | 16QAM      | 6.02        | 13              | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | QPSK       | 5.37        | 13              | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | 16QAM      | 5.86        | 13              | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | QPSK       | 5.28        | 13              | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | 16QAM      | 5.95        | 13              | PASS    |



## Report

|       |     |       |   |    |       |      |    |      |
|-------|-----|-------|---|----|-------|------|----|------|
| Band4 | 3   | 19965 | 1 | #0 | QPSK  | 5.57 | 13 | PASS |
| Band4 | 3   | 19965 | 1 | #0 | 16QAM | 6.22 | 13 | PASS |
| Band4 | 3   | 20175 | 1 | #0 | QPSK  | 5.32 | 13 | PASS |
| Band4 | 3   | 20175 | 1 | #0 | 16QAM | 5.80 | 13 | PASS |
| Band4 | 3   | 20385 | 1 | #0 | QPSK  | 5.34 | 13 | PASS |
| Band4 | 3   | 20385 | 1 | #0 | 16QAM | 5.96 | 13 | PASS |
| Band4 | 5   | 19975 | 1 | #0 | QPSK  | 5.70 | 13 | PASS |
| Band4 | 5   | 19975 | 1 | #0 | 16QAM | 6.28 | 13 | PASS |
| Band4 | 5   | 20175 | 1 | #0 | QPSK  | 5.19 | 13 | PASS |
| Band4 | 5   | 20175 | 1 | #0 | 16QAM | 5.63 | 13 | PASS |
| Band4 | 5   | 20375 | 1 | #0 | QPSK  | 5.52 | 13 | PASS |
| Band4 | 5   | 20375 | 1 | #0 | 16QAM | 6.20 | 13 | PASS |
| Band4 | 10  | 20000 | 1 | #0 | QPSK  | 5.55 | 13 | PASS |
| Band4 | 10  | 20000 | 1 | #0 | 16QAM | 6.29 | 13 | PASS |
| Band4 | 10  | 20175 | 1 | #0 | QPSK  | 4.94 | 13 | PASS |
| Band4 | 10  | 20175 | 1 | #0 | 16QAM | 5.79 | 13 | PASS |
| Band4 | 10  | 20350 | 1 | #0 | QPSK  | 5.12 | 13 | PASS |
| Band4 | 10  | 20350 | 1 | #0 | 16QAM | 5.81 | 13 | PASS |
| Band4 | 15  | 20025 | 1 | #0 | QPSK  | 5.57 | 13 | PASS |
| Band4 | 15  | 20025 | 1 | #0 | 16QAM | 6.13 | 13 | PASS |
| Band4 | 15  | 20175 | 1 | #0 | QPSK  | 4.70 | 13 | PASS |
| Band4 | 15  | 20175 | 1 | #0 | 16QAM | 5.38 | 13 | PASS |
| Band4 | 15  | 20325 | 1 | #0 | QPSK  | 5.67 | 13 | PASS |
| Band4 | 15  | 20325 | 1 | #0 | 16QAM | 6.12 | 13 | PASS |
| Band4 | 20  | 20050 | 1 | #0 | QPSK  | 5.40 | 13 | PASS |
| Band4 | 20  | 20050 | 1 | #0 | 16QAM | 5.96 | 13 | PASS |
| Band4 | 20  | 20175 | 1 | #0 | QPSK  | 4.80 | 13 | PASS |
| Band4 | 20  | 20175 | 1 | #0 | 16QAM | 5.68 | 13 | PASS |
| Band4 | 20  | 20300 | 1 | #0 | QPSK  | 5.94 | 13 | PASS |
| Band4 | 20  | 20300 | 1 | #0 | 16QAM | 6.70 | 13 | PASS |
| Band5 | 1.4 | 20407 | 1 | #0 | QPSK  | 5.20 | 13 | PASS |
| Band5 | 1.4 | 20407 | 1 | #0 | 16QAM | 5.74 | 13 | PASS |
| Band5 | 1.4 | 20525 | 1 | #0 | QPSK  | 5.86 | 13 | PASS |
| Band5 | 1.4 | 20525 | 1 | #0 | 16QAM | 6.76 | 13 | PASS |
| Band5 | 1.4 | 20643 | 1 | #0 | QPSK  | 4.74 | 13 | PASS |
| Band5 | 1.4 | 20643 | 1 | #0 | 16QAM | 5.33 | 13 | PASS |
| Band5 | 3   | 20415 | 1 | #0 | QPSK  | 5.11 | 13 | PASS |
| Band5 | 3   | 20415 | 1 | #0 | 16QAM | 6.21 | 13 | PASS |
| Band5 | 3   | 20525 | 1 | #0 | QPSK  | 5.71 | 13 | PASS |
| Band5 | 3   | 20525 | 1 | #0 | 16QAM | 6.39 | 13 | PASS |
| Band5 | 3   | 20635 | 1 | #0 | QPSK  | 5.37 | 13 | PASS |
| Band5 | 3   | 20635 | 1 | #0 | 16QAM | 5.95 | 13 | PASS |
| Band5 | 5   | 20425 | 1 | #0 | QPSK  | 5.46 | 13 | PASS |
| Band5 | 5   | 20425 | 1 | #0 | 16QAM | 5.86 | 13 | PASS |



## Report

|        |     |       |   |    |       |      |    |      |
|--------|-----|-------|---|----|-------|------|----|------|
| Band5  | 5   | 20525 | 1 | #0 | QPSK  | 5.51 | 13 | PASS |
| Band5  | 5   | 20525 | 1 | #0 | 16QAM | 6.00 | 13 | PASS |
| Band5  | 5   | 20625 | 1 | #0 | QPSK  | 5.44 | 13 | PASS |
| Band5  | 5   | 20625 | 1 | #0 | 16QAM | 6.13 | 13 | PASS |
| Band5  | 10  | 20450 | 1 | #0 | QPSK  | 5.07 | 13 | PASS |
| Band5  | 10  | 20450 | 1 | #0 | 16QAM | 5.84 | 13 | PASS |
| Band5  | 10  | 20525 | 1 | #0 | QPSK  | 4.80 | 13 | PASS |
| Band5  | 10  | 20525 | 1 | #0 | 16QAM | 5.59 | 13 | PASS |
| Band5  | 10  | 20600 | 1 | #0 | QPSK  | 5.46 | 13 | PASS |
| Band5  | 10  | 20600 | 1 | #0 | 16QAM | 6.11 | 13 | PASS |
| Band7  | 5   | 20775 | 1 | #0 | QPSK  | 4.10 | 13 | PASS |
| Band7  | 5   | 20775 | 1 | #0 | 16QAM | 4.95 | 13 | PASS |
| Band7  | 5   | 21100 | 1 | #0 | QPSK  | 4.48 | 13 | PASS |
| Band7  | 5   | 21100 | 1 | #0 | 16QAM | 5.07 | 13 | PASS |
| Band7  | 5   | 21425 | 1 | #0 | QPSK  | 4.94 | 13 | PASS |
| Band7  | 5   | 21425 | 1 | #0 | 16QAM | 5.62 | 13 | PASS |
| Band7  | 10  | 20800 | 1 | #0 | QPSK  | 4.01 | 13 | PASS |
| Band7  | 10  | 20800 | 1 | #0 | 16QAM | 4.66 | 13 | PASS |
| Band7  | 10  | 21100 | 1 | #0 | QPSK  | 4.52 | 13 | PASS |
| Band7  | 10  | 21100 | 1 | #0 | 16QAM | 5.21 | 13 | PASS |
| Band7  | 10  | 21400 | 1 | #0 | QPSK  | 4.92 | 13 | PASS |
| Band7  | 10  | 21400 | 1 | #0 | 16QAM | 5.70 | 13 | PASS |
| Band7  | 15  | 20825 | 1 | #0 | QPSK  | 4.10 | 13 | PASS |
| Band7  | 15  | 20825 | 1 | #0 | 16QAM | 4.84 | 13 | PASS |
| Band7  | 15  | 21100 | 1 | #0 | QPSK  | 4.59 | 13 | PASS |
| Band7  | 15  | 21100 | 1 | #0 | 16QAM | 5.16 | 13 | PASS |
| Band7  | 15  | 21375 | 1 | #0 | QPSK  | 4.71 | 13 | PASS |
| Band7  | 15  | 21375 | 1 | #0 | 16QAM | 5.16 | 13 | PASS |
| Band7  | 20  | 20850 | 1 | #0 | QPSK  | 4.04 | 13 | PASS |
| Band7  | 20  | 20850 | 1 | #0 | 16QAM | 4.95 | 13 | PASS |
| Band7  | 20  | 21100 | 1 | #0 | QPSK  | 4.36 | 13 | PASS |
| Band7  | 20  | 21100 | 1 | #0 | 16QAM | 5.08 | 13 | PASS |
| Band7  | 20  | 21350 | 1 | #0 | QPSK  | 5.00 | 13 | PASS |
| Band7  | 20  | 21350 | 1 | #0 | 16QAM | 5.56 | 13 | PASS |
| Band12 | 1.4 | 23017 | 1 | #0 | QPSK  | 4.31 | 13 | PASS |
| Band12 | 1.4 | 23017 | 1 | #0 | 16QAM | 4.76 | 13 | PASS |
| Band12 | 1.4 | 23095 | 1 | #0 | QPSK  | 5.30 | 13 | PASS |
| Band12 | 1.4 | 23095 | 1 | #0 | 16QAM | 5.87 | 13 | PASS |
| Band12 | 1.4 | 23173 | 1 | #0 | QPSK  | 5.40 | 13 | PASS |
| Band12 | 1.4 | 23173 | 1 | #0 | 16QAM | 6.13 | 13 | PASS |
| Band12 | 3   | 23025 | 1 | #0 | QPSK  | 4.25 | 13 | PASS |
| Band12 | 3   | 23025 | 1 | #0 | 16QAM | 5.16 | 13 | PASS |
| Band12 | 3   | 23095 | 1 | #0 | QPSK  | 5.50 | 13 | PASS |
| Band12 | 3   | 23095 | 1 | #0 | 16QAM | 6.07 | 13 | PASS |



## Report

|                 |     |       |   |    |       |      |    |      |
|-----------------|-----|-------|---|----|-------|------|----|------|
| Band12          | 3   | 23165 | 1 | #0 | QPSK  | 5.32 | 13 | PASS |
| Band12          | 3   | 23165 | 1 | #0 | 16QAM | 5.90 | 13 | PASS |
| Band12          | 5   | 23035 | 1 | #0 | QPSK  | 4.42 | 13 | PASS |
| Band12          | 5   | 23035 | 1 | #0 | 16QAM | 5.35 | 13 | PASS |
| Band12          | 5   | 23095 | 1 | #0 | QPSK  | 5.45 | 13 | PASS |
| Band12          | 5   | 23095 | 1 | #0 | 16QAM | 5.82 | 13 | PASS |
| Band12          | 5   | 23155 | 1 | #0 | QPSK  | 5.88 | 13 | PASS |
| Band12          | 5   | 23155 | 1 | #0 | 16QAM | 6.40 | 13 | PASS |
| Band12          | 10  | 23060 | 1 | #0 | QPSK  | 4.45 | 13 | PASS |
| Band12          | 10  | 23060 | 1 | #0 | 16QAM | 5.34 | 13 | PASS |
| Band12          | 10  | 23095 | 1 | #0 | QPSK  | 5.46 | 13 | PASS |
| Band12          | 10  | 23095 | 1 | #0 | 16QAM | 6.13 | 13 | PASS |
| Band12          | 10  | 23130 | 1 | #0 | QPSK  | 5.28 | 13 | PASS |
| Band12          | 10  | 23130 | 1 | #0 | 16QAM | 5.92 | 13 | PASS |
| Band17          | 5   | 23755 | 1 | #0 | QPSK  | 5.73 | 13 | PASS |
| Band17          | 5   | 23755 | 1 | #0 | 16QAM | 6.08 | 13 | PASS |
| Band17          | 5   | 23790 | 1 | #0 | QPSK  | 5.46 | 13 | PASS |
| Band17          | 5   | 23790 | 1 | #0 | 16QAM | 5.71 | 13 | PASS |
| Band17          | 5   | 23825 | 1 | #0 | QPSK  | 5.78 | 13 | PASS |
| Band17          | 5   | 23825 | 1 | #0 | 16QAM | 6.52 | 13 | PASS |
| Band17          | 10  | 23780 | 1 | #0 | QPSK  | 5.59 | 13 | PASS |
| Band17          | 10  | 23780 | 1 | #0 | 16QAM | 6.48 | 13 | PASS |
| Band17          | 10  | 23790 | 1 | #0 | QPSK  | 5.37 | 13 | PASS |
| Band17          | 10  | 23790 | 1 | #0 | 16QAM | 6.15 | 13 | PASS |
| Band17          | 10  | 23800 | 1 | #0 | QPSK  | 5.26 | 13 | PASS |
| Band17          | 10  | 23800 | 1 | #0 | 16QAM | 5.95 | 13 | PASS |
| Band26(824-849) | 1.4 | 26797 | 1 | #0 | QPSK  | 5.43 | 13 | PASS |
| Band26(824-849) | 1.4 | 26797 | 1 | #0 | 16QAM | 5.87 | 13 | PASS |
| Band26(824-849) | 1.4 | 26915 | 1 | #0 | QPSK  | 5.86 | 13 | PASS |
| Band26(824-849) | 1.4 | 26915 | 1 | #0 | 16QAM | 6.69 | 13 | PASS |
| Band26(824-849) | 1.4 | 27033 | 1 | #0 | QPSK  | 4.91 | 13 | PASS |
| Band26(824-849) | 1.4 | 27033 | 1 | #0 | 16QAM | 5.54 | 13 | PASS |
| Band26(824-849) | 3   | 26805 | 1 | #0 | QPSK  | 5.34 | 13 | PASS |
| Band26(824-849) | 3   | 26805 | 1 | #0 | 16QAM | 6.36 | 13 | PASS |
| Band26(824-849) | 3   | 26915 | 1 | #0 | QPSK  | 5.91 | 13 | PASS |
| Band26(824-849) | 3   | 26915 | 1 | #0 | 16QAM | 6.70 | 13 | PASS |
| Band26(824-849) | 3   | 27025 | 1 | #0 | QPSK  | 5.48 | 13 | PASS |
| Band26(824-849) | 3   | 27025 | 1 | #0 | 16QAM | 5.95 | 13 | PASS |
| Band26(824-849) | 5   | 26815 | 1 | #0 | QPSK  | 5.52 | 13 | PASS |
| Band26(824-849) | 5   | 26815 | 1 | #0 | 16QAM | 5.99 | 13 | PASS |
| Band26(824-849) | 5   | 26915 | 1 | #0 | QPSK  | 5.68 | 13 | PASS |
| Band26(824-849) | 5   | 26915 | 1 | #0 | 16QAM | 6.09 | 13 | PASS |
| Band26(824-849) | 5   | 27015 | 1 | #0 | QPSK  | 5.55 | 13 | PASS |
| Band26(824-849) | 5   | 27015 | 1 | #0 | 16QAM | 6.13 | 13 | PASS |



## Report

|                 |     |       |   |    |       |       |    |      |
|-----------------|-----|-------|---|----|-------|-------|----|------|
| Band26(824-849) | 10  | 26840 | 1 | #0 | QPSK  | 5.14  | 13 | PASS |
| Band26(824-849) | 10  | 26840 | 1 | #0 | 16QAM | 6.01  | 13 | PASS |
| Band26(824-849) | 10  | 26915 | 1 | #0 | QPSK  | 5.04  | 13 | PASS |
| Band26(824-849) | 10  | 26915 | 1 | #0 | 16QAM | 5.81  | 13 | PASS |
| Band26(824-849) | 10  | 26990 | 1 | #0 | QPSK  | 5.55  | 13 | PASS |
| Band26(824-849) | 10  | 26990 | 1 | #0 | 16QAM | 6.11  | 13 | PASS |
| Band26(824-849) | 15  | 26865 | 1 | #0 | QPSK  | 5.40  | 13 | PASS |
| Band26(824-849) | 15  | 26865 | 1 | #0 | 16QAM | 6.05  | 13 | PASS |
| Band26(824-849) | 15  | 26915 | 1 | #0 | QPSK  | 4.38  | 13 | PASS |
| Band26(824-849) | 15  | 26915 | 1 | #0 | 16QAM | 5.16  | 13 | PASS |
| Band26(824-849) | 15  | 26965 | 1 | #0 | QPSK  | 5.97  | 13 | PASS |
| Band26(824-849) | 15  | 26965 | 1 | #0 | 16QAM | 6.44  | 13 | PASS |
| Band26(814-824) | 1.4 | 26697 | 1 | #0 | QPSK  | 5.48  | 13 | PASS |
| Band26(814-824) | 1.4 | 26697 | 1 | #0 | 16QAM | 5.95  | 13 | PASS |
| Band26(814-824) | 1.4 | 26740 | 1 | #0 | QPSK  | 5.27  | 13 | PASS |
| Band26(814-824) | 1.4 | 26740 | 1 | #0 | 16QAM | 5.69  | 13 | PASS |
| Band26(814-824) | 1.4 | 26783 | 1 | #0 | QPSK  | 5.27  | 13 | PASS |
| Band26(814-824) | 1.4 | 26783 | 1 | #0 | 16QAM | 5.92  | 13 | PASS |
| Band26(814-824) | 3   | 26705 | 1 | #0 | QPSK  | 5.38  | 13 | PASS |
| Band26(814-824) | 3   | 26705 | 1 | #0 | 16QAM | 6.32  | 13 | PASS |
| Band26(814-824) | 3   | 26740 | 1 | #0 | QPSK  | 5.37  | 13 | PASS |
| Band26(814-824) | 3   | 26740 | 1 | #0 | 16QAM | 5.63  | 13 | PASS |
| Band26(814-824) | 3   | 26775 | 1 | #0 | QPSK  | 5.32  | 13 | PASS |
| Band26(814-824) | 3   | 26775 | 1 | #0 | 16QAM | 5.89  | 13 | PASS |
| Band26(814-824) | 5   | 26715 | 1 | #0 | QPSK  | 5.59  | 13 | PASS |
| Band26(814-824) | 5   | 26715 | 1 | #0 | 16QAM | 6.17  | 13 | PASS |
| Band26(814-824) | 5   | 26740 | 1 | #0 | QPSK  | 5.30  | 13 | PASS |
| Band26(814-824) | 5   | 26740 | 1 | #0 | 16QAM | 5.66  | 13 | PASS |
| Band26(814-824) | 5   | 26765 | 1 | #0 | QPSK  | 5.30  | 13 | PASS |
| Band26(814-824) | 5   | 26765 | 1 | #0 | 16QAM | 5.93  | 13 | PASS |
| Band26(814-824) | 10  | 26740 | 1 | #0 | QPSK  | 5.43  | 13 | PASS |
| Band26(814-824) | 10  | 26740 | 1 | #0 | 16QAM | 6.34  | 13 | PASS |
| Band38          | 5   | 37775 | 1 | #0 | QPSK  | 9.72  | 13 | PASS |
| Band38          | 5   | 37775 | 1 | #0 | 16QAM | 10.04 | 13 | PASS |
| Band38          | 5   | 38000 | 1 | #0 | QPSK  | 9.64  | 13 | PASS |
| Band38          | 5   | 38000 | 1 | #0 | 16QAM | 9.66  | 13 | PASS |
| Band38          | 5   | 38225 | 1 | #0 | QPSK  | 9.57  | 13 | PASS |
| Band38          | 5   | 38225 | 1 | #0 | 16QAM | 8.99  | 13 | PASS |
| Band38          | 10  | 37800 | 1 | #0 | QPSK  | 9.57  | 13 | PASS |
| Band38          | 10  | 37800 | 1 | #0 | 16QAM | 10.12 | 13 | PASS |
| Band38          | 10  | 38000 | 1 | #0 | QPSK  | 8.99  | 13 | PASS |
| Band38          | 10  | 38000 | 1 | #0 | 16QAM | 9.39  | 13 | PASS |
| Band38          | 10  | 38200 | 1 | #0 | QPSK  | 9.36  | 13 | PASS |
| Band38          | 10  | 38200 | 1 | #0 | 16QAM | 9.70  | 13 | PASS |



## Report

|                   |    |       |   |    |       |       |    |      |
|-------------------|----|-------|---|----|-------|-------|----|------|
| Band38            | 15 | 37825 | 1 | #0 | QPSK  | 9.06  | 13 | PASS |
| Band38            | 15 | 37825 | 1 | #0 | 16QAM | 10.73 | 13 | PASS |
| Band38            | 15 | 38000 | 1 | #0 | QPSK  | 9.72  | 13 | PASS |
| Band38            | 15 | 38000 | 1 | #0 | 16QAM | 9.07  | 13 | PASS |
| Band38            | 15 | 38175 | 1 | #0 | QPSK  | 9.57  | 13 | PASS |
| Band38            | 15 | 38175 | 1 | #0 | 16QAM | 9.94  | 13 | PASS |
| Band38            | 20 | 37850 | 1 | #0 | QPSK  | 9.31  | 13 | PASS |
| Band38            | 20 | 37850 | 1 | #0 | 16QAM | 10.95 | 13 | PASS |
| Band38            | 20 | 38000 | 1 | #0 | QPSK  | 8.83  | 13 | PASS |
| Band38            | 20 | 38000 | 1 | #0 | 16QAM | 9.99  | 13 | PASS |
| Band38            | 20 | 38150 | 1 | #0 | QPSK  | 8.22  | 13 | PASS |
| Band38            | 20 | 38150 | 1 | #0 | 16QAM | 10.45 | 13 | PASS |
| Band40(2350-2360) | 5  | 39175 | 1 | #0 | QPSK  | 11.33 | 13 | PASS |
| Band40(2350-2360) | 5  | 39175 | 1 | #0 | 16QAM | 8.77  | 13 | PASS |
| Band40(2350-2360) | 5  | 39200 | 1 | #0 | QPSK  | 9.32  | 13 | PASS |
| Band40(2350-2360) | 5  | 39200 | 1 | #0 | 16QAM | 9.53  | 13 | PASS |
| Band40(2350-2360) | 5  | 39225 | 1 | #0 | QPSK  | 10.96 | 13 | PASS |
| Band40(2350-2360) | 5  | 39225 | 1 | #0 | 16QAM | 9.47  | 13 | PASS |
| Band40(2350-2360) | 10 | 39200 | 1 | #0 | QPSK  | 8.15  | 13 | PASS |
| Band40(2350-2360) | 10 | 39200 | 1 | #0 | 16QAM | 10.46 | 13 | PASS |
| Band40(2305-2315) | 5  | 38725 | 1 | #0 | QPSK  | 9.27  | 13 | PASS |
| Band40(2305-2315) | 5  | 38725 | 1 | #0 | 16QAM | 8.97  | 13 | PASS |
| Band40(2305-2315) | 5  | 38750 | 1 | #0 | QPSK  | 9.49  | 13 | PASS |
| Band40(2305-2315) | 5  | 38750 | 1 | #0 | 16QAM | 8.30  | 13 | PASS |
| Band40(2305-2315) | 5  | 38775 | 1 | #0 | QPSK  | 8.54  | 13 | PASS |
| Band40(2305-2315) | 5  | 38775 | 1 | #0 | 16QAM | 9.10  | 13 | PASS |
| Band40(2305-2315) | 10 | 38750 | 1 | #0 | QPSK  | 7.82  | 13 | PASS |
| Band40(2305-2315) | 10 | 38750 | 1 | #0 | 16QAM | 10.14 | 13 | PASS |
| Band41            | 5  | 39675 | 1 | #0 | QPSK  | 7.99  | 13 | PASS |
| Band41            | 5  | 39675 | 1 | #0 | 16QAM | 8.18  | 13 | PASS |
| Band41            | 5  | 40620 | 1 | #0 | QPSK  | 9.20  | 13 | PASS |
| Band41            | 5  | 40620 | 1 | #0 | 16QAM | 9.57  | 13 | PASS |
| Band41            | 5  | 41565 | 1 | #0 | QPSK  | 9.91  | 13 | PASS |
| Band41            | 5  | 41565 | 1 | #0 | 16QAM | 9.96  | 13 | PASS |
| Band41            | 10 | 39700 | 1 | #0 | QPSK  | 8.35  | 13 | PASS |
| Band41            | 10 | 39700 | 1 | #0 | 16QAM | 9.06  | 13 | PASS |
| Band41            | 10 | 40620 | 1 | #0 | QPSK  | 9.47  | 13 | PASS |
| Band41            | 10 | 40620 | 1 | #0 | 16QAM | 10.57 | 13 | PASS |
| Band41            | 10 | 41540 | 1 | #0 | QPSK  | 9.45  | 13 | PASS |
| Band41            | 10 | 41540 | 1 | #0 | 16QAM | 9.66  | 13 | PASS |
| Band41            | 15 | 39725 | 1 | #0 | QPSK  | 9.38  | 13 | PASS |
| Band41            | 15 | 39725 | 1 | #0 | 16QAM | 9.31  | 13 | PASS |
| Band41            | 15 | 40620 | 1 | #0 | QPSK  | 9.37  | 13 | PASS |
| Band41            | 15 | 40620 | 1 | #0 | 16QAM | 9.14  | 13 | PASS |



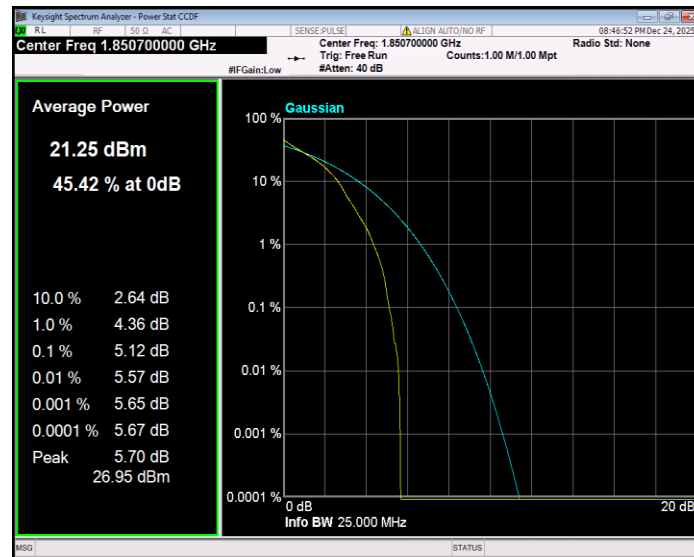
## Report

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| Band41 | 15  | 41515  | 1 | #0 | QPSK  | 9.04  | 13 | PASS |
| Band41 | 15  | 41515  | 1 | #0 | 16QAM | 11.29 | 13 | PASS |
| Band41 | 20  | 39750  | 1 | #0 | QPSK  | 7.75  | 13 | PASS |
| Band41 | 20  | 39750  | 1 | #0 | 16QAM | 8.70  | 13 | PASS |
| Band41 | 20  | 40620  | 1 | #0 | QPSK  | 9.74  | 13 | PASS |
| Band41 | 20  | 40620  | 1 | #0 | 16QAM | 9.54  | 13 | PASS |
| Band41 | 20  | 41490  | 1 | #0 | QPSK  | 8.73  | 13 | PASS |
| Band41 | 20  | 41490  | 1 | #0 | 16QAM | 10.19 | 13 | PASS |
| Band66 | 1.4 | 131979 | 1 | #0 | QPSK  | 5.57  | 13 | PASS |
| Band66 | 1.4 | 131979 | 1 | #0 | 16QAM | 6.38  | 13 | PASS |
| Band66 | 1.4 | 132322 | 1 | #0 | QPSK  | 5.50  | 13 | PASS |
| Band66 | 1.4 | 132322 | 1 | #0 | 16QAM | 6.06  | 13 | PASS |
| Band66 | 1.4 | 132665 | 1 | #0 | QPSK  | 5.54  | 13 | PASS |
| Band66 | 1.4 | 132665 | 1 | #0 | 16QAM | 6.30  | 13 | PASS |
| Band66 | 3   | 131987 | 1 | #0 | QPSK  | 5.58  | 13 | PASS |
| Band66 | 3   | 131987 | 1 | #0 | 16QAM | 6.58  | 13 | PASS |
| Band66 | 3   | 132322 | 1 | #0 | QPSK  | 5.50  | 13 | PASS |
| Band66 | 3   | 132322 | 1 | #0 | 16QAM | 6.06  | 13 | PASS |
| Band66 | 3   | 132657 | 1 | #0 | QPSK  | 5.40  | 13 | PASS |
| Band66 | 3   | 132657 | 1 | #0 | 16QAM | 5.86  | 13 | PASS |
| Band66 | 5   | 131997 | 1 | #0 | QPSK  | 5.86  | 13 | PASS |
| Band66 | 5   | 131997 | 1 | #0 | 16QAM | 6.43  | 13 | PASS |
| Band66 | 5   | 132322 | 1 | #0 | QPSK  | 5.54  | 13 | PASS |
| Band66 | 5   | 132322 | 1 | #0 | 16QAM | 5.89  | 13 | PASS |
| Band66 | 5   | 132647 | 1 | #0 | QPSK  | 5.44  | 13 | PASS |
| Band66 | 5   | 132647 | 1 | #0 | 16QAM | 5.79  | 13 | PASS |
| Band66 | 10  | 132022 | 1 | #0 | QPSK  | 5.64  | 13 | PASS |
| Band66 | 10  | 132022 | 1 | #0 | 16QAM | 6.41  | 13 | PASS |
| Band66 | 10  | 132322 | 1 | #0 | QPSK  | 5.84  | 13 | PASS |
| Band66 | 10  | 132322 | 1 | #0 | 16QAM | 6.59  | 13 | PASS |
| Band66 | 10  | 132622 | 1 | #0 | QPSK  | 5.24  | 13 | PASS |
| Band66 | 10  | 132622 | 1 | #0 | 16QAM | 6.00  | 13 | PASS |
| Band66 | 15  | 132047 | 1 | #0 | QPSK  | 5.66  | 13 | PASS |
| Band66 | 15  | 132047 | 1 | #0 | 16QAM | 6.56  | 13 | PASS |
| Band66 | 15  | 132322 | 1 | #0 | QPSK  | 5.96  | 13 | PASS |
| Band66 | 15  | 132322 | 1 | #0 | 16QAM | 6.71  | 13 | PASS |
| Band66 | 15  | 132597 | 1 | #0 | QPSK  | 5.05  | 13 | PASS |
| Band66 | 15  | 132597 | 1 | #0 | 16QAM | 5.62  | 13 | PASS |
| Band66 | 20  | 132072 | 1 | #0 | QPSK  | 5.52  | 13 | PASS |
| Band66 | 20  | 132072 | 1 | #0 | 16QAM | 6.13  | 13 | PASS |
| Band66 | 20  | 132322 | 1 | #0 | QPSK  | 6.16  | 13 | PASS |
| Band66 | 20  | 132322 | 1 | #0 | 16QAM | 6.53  | 13 | PASS |
| Band66 | 20  | 132572 | 1 | #0 | QPSK  | 4.80  | 13 | PASS |
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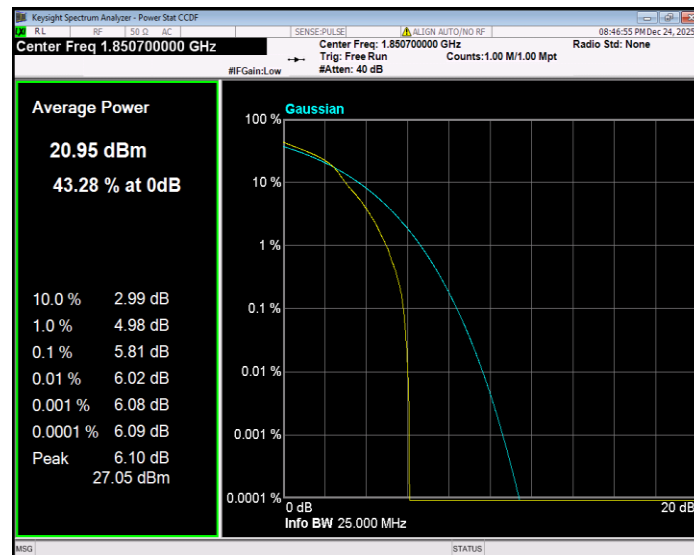


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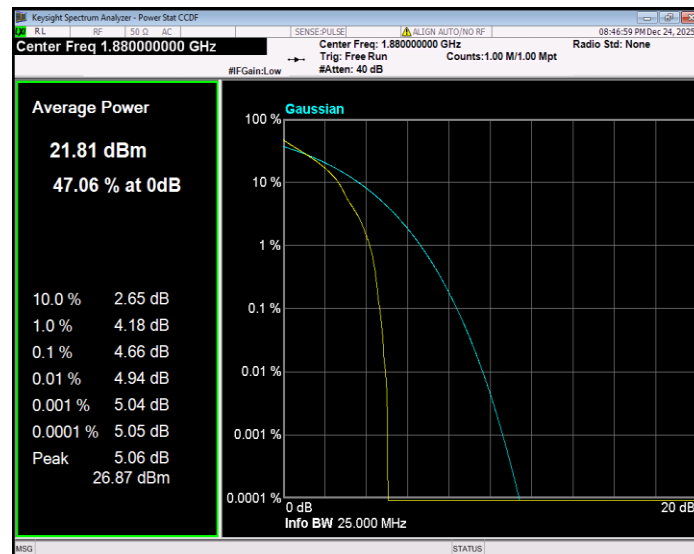
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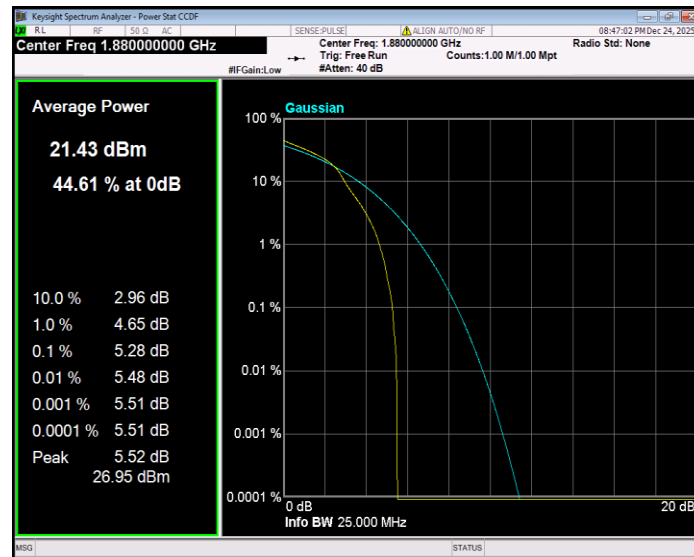
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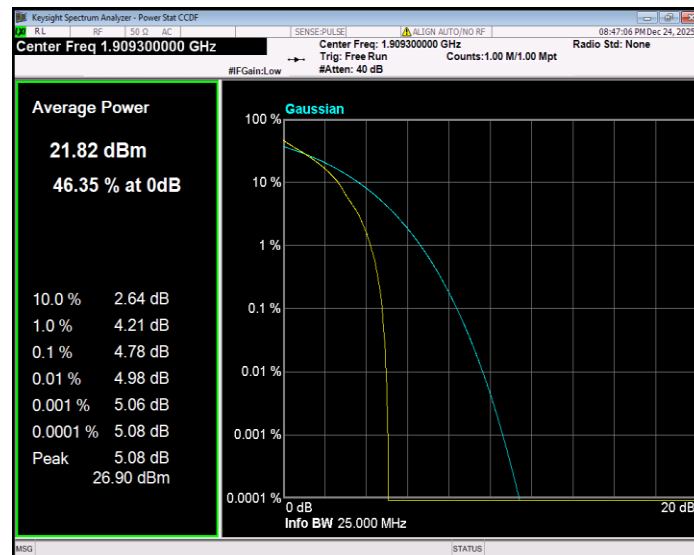


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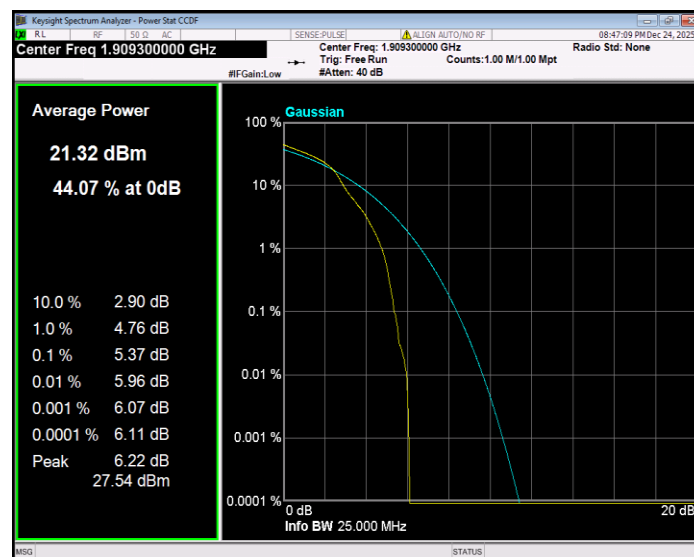
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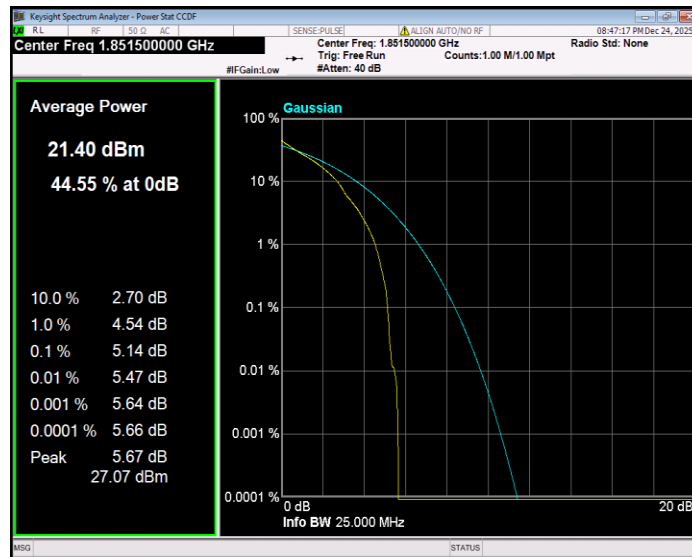
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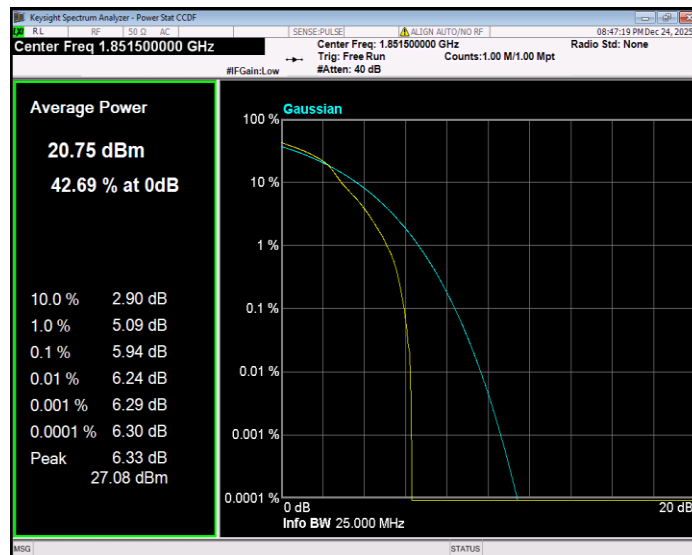


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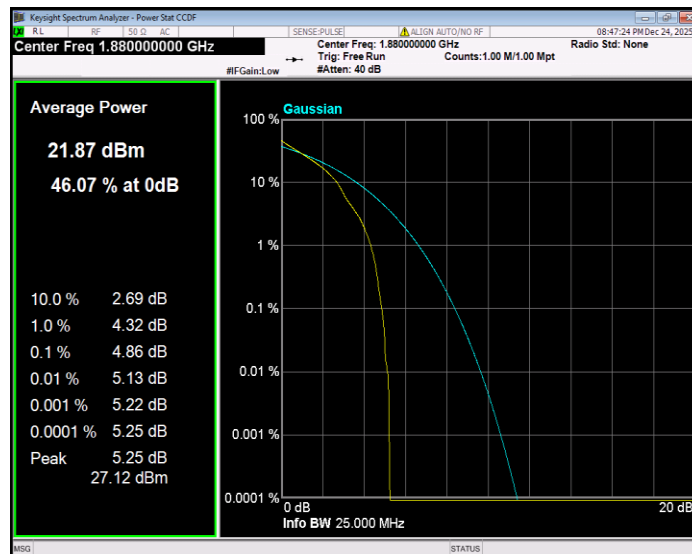
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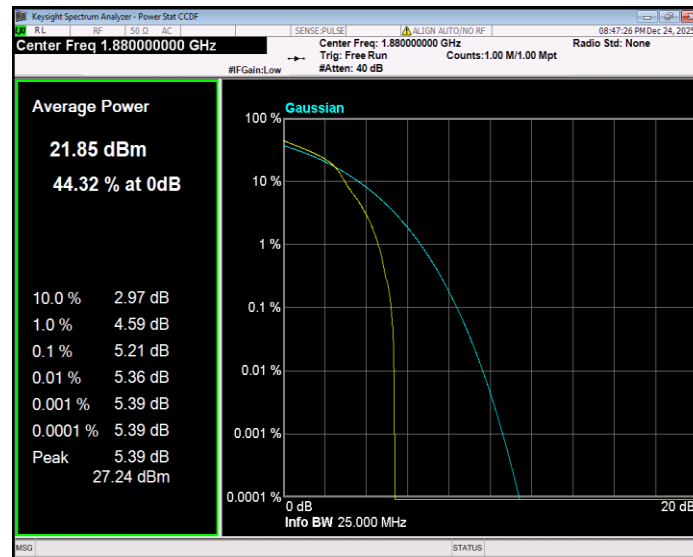
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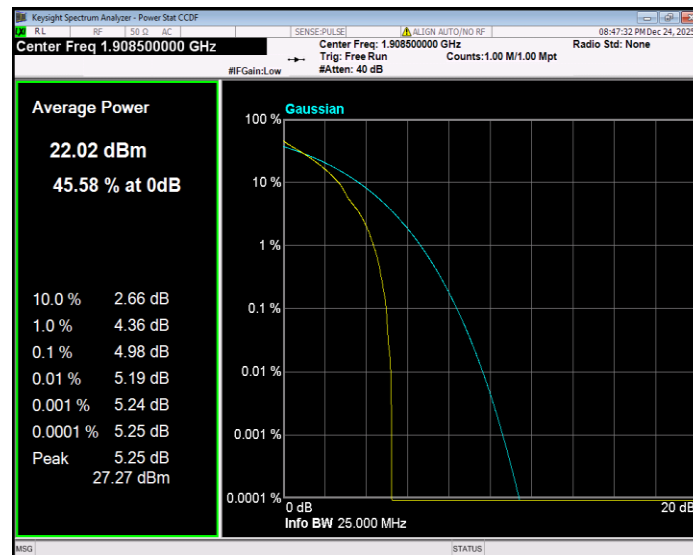


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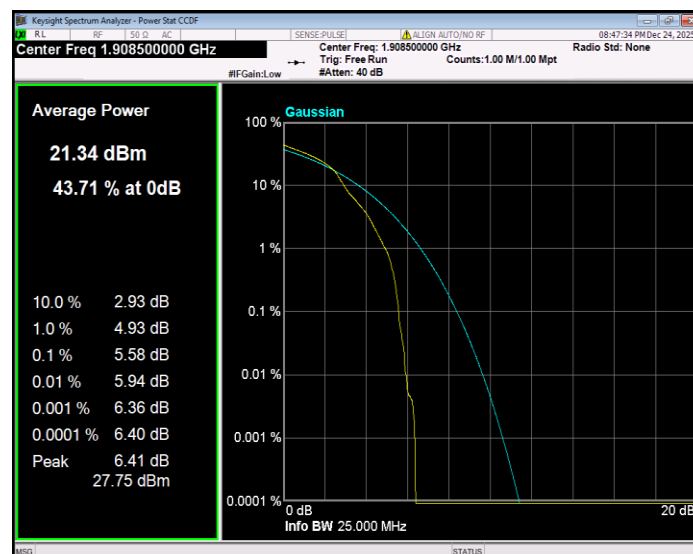
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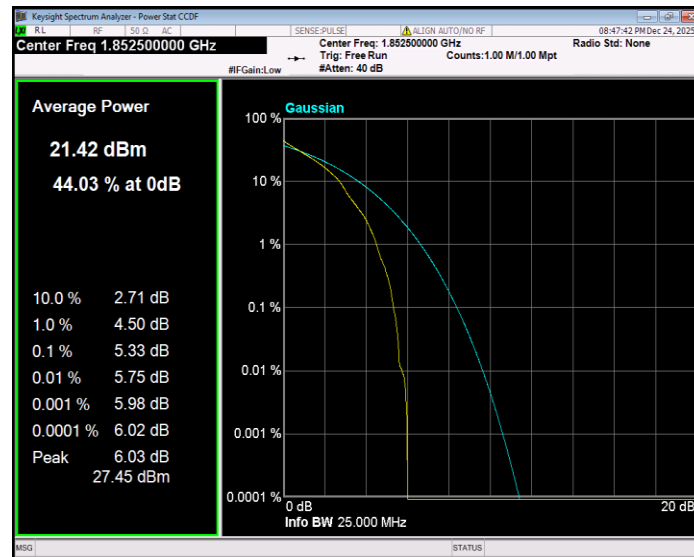
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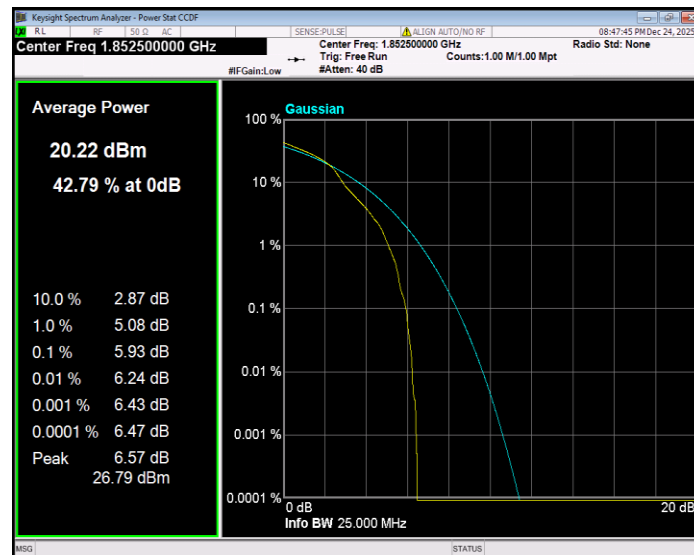


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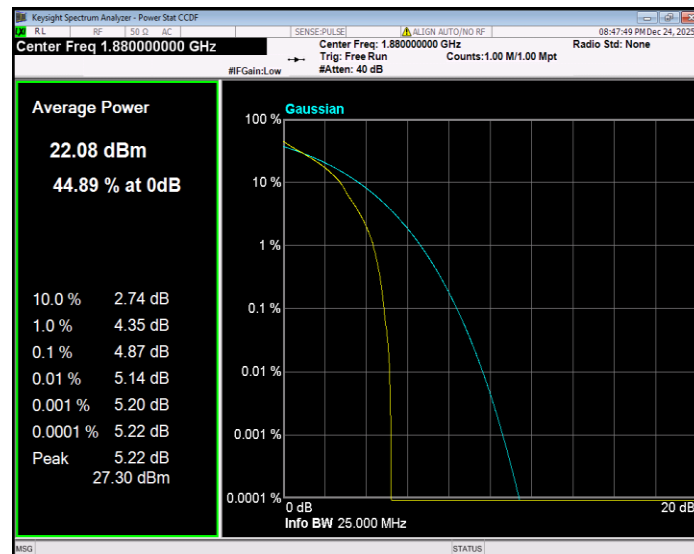
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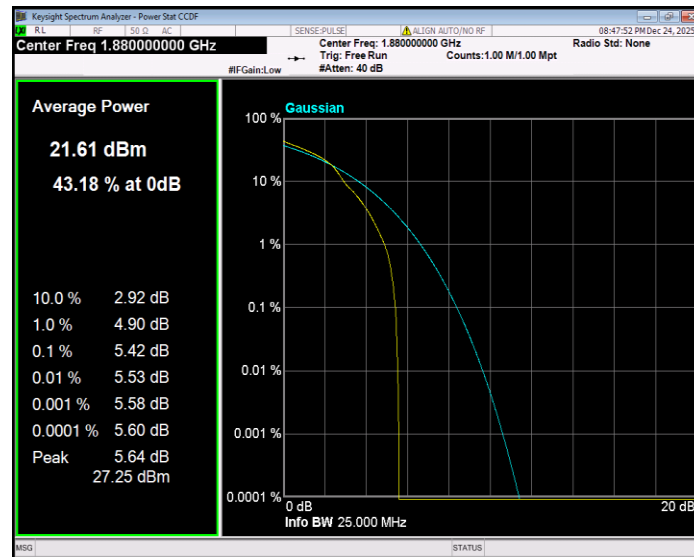
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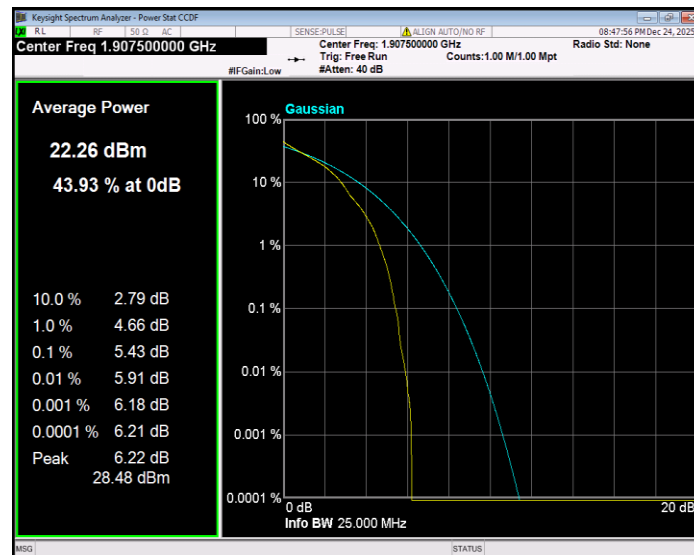


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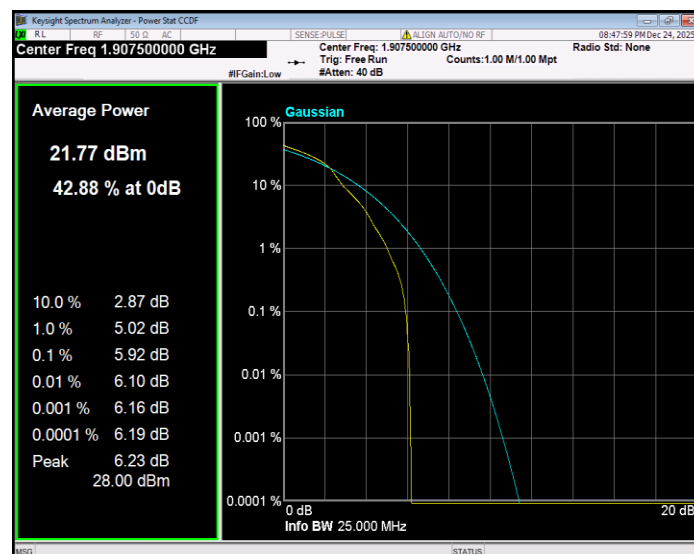
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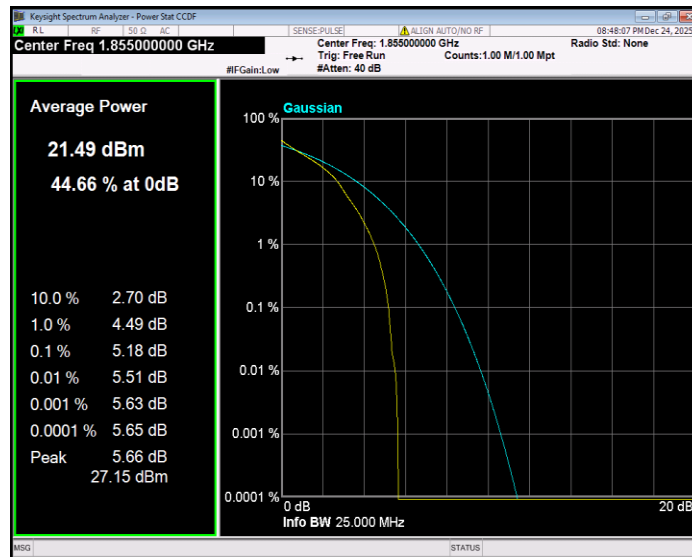
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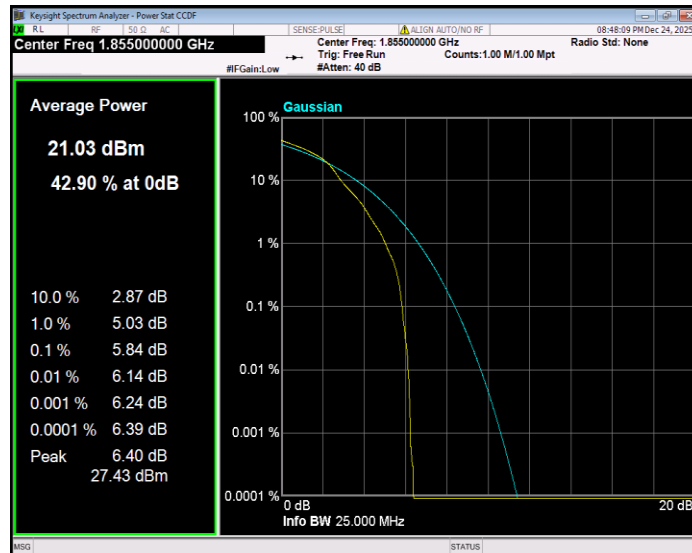


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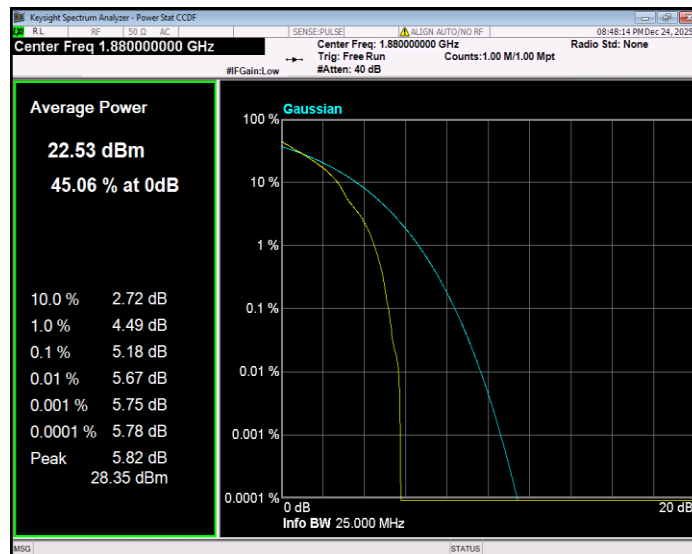
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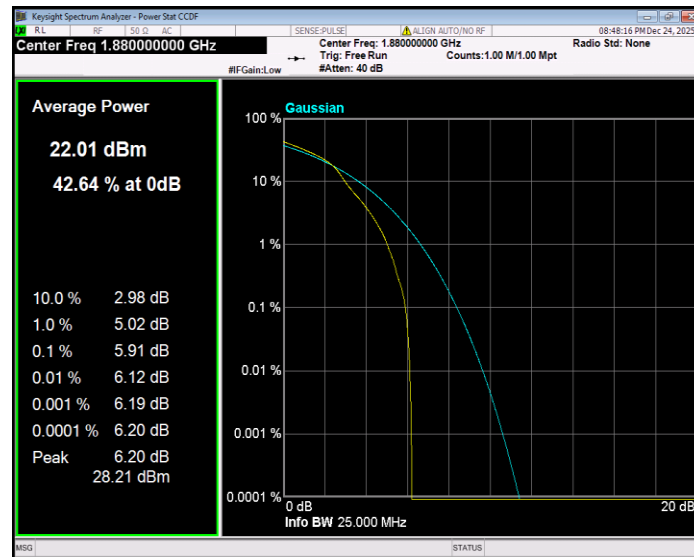
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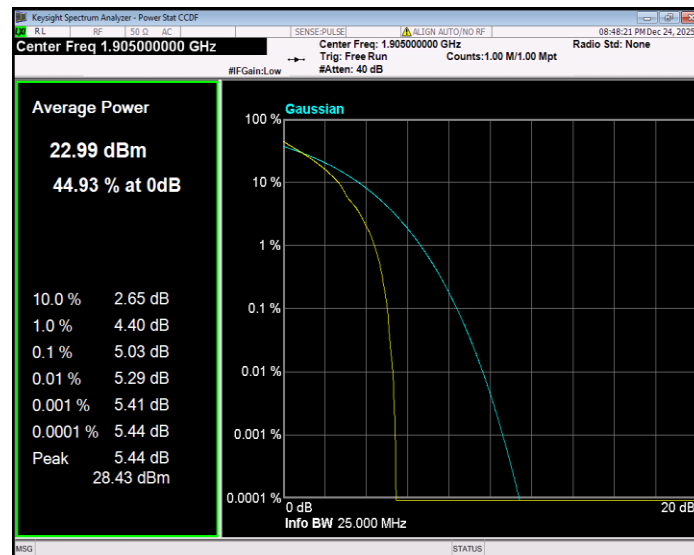


## Report

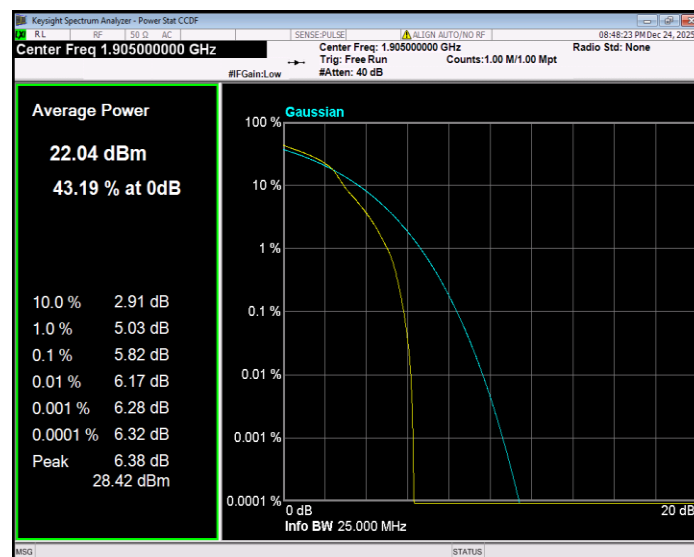
Band2 16QAM BW=10MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



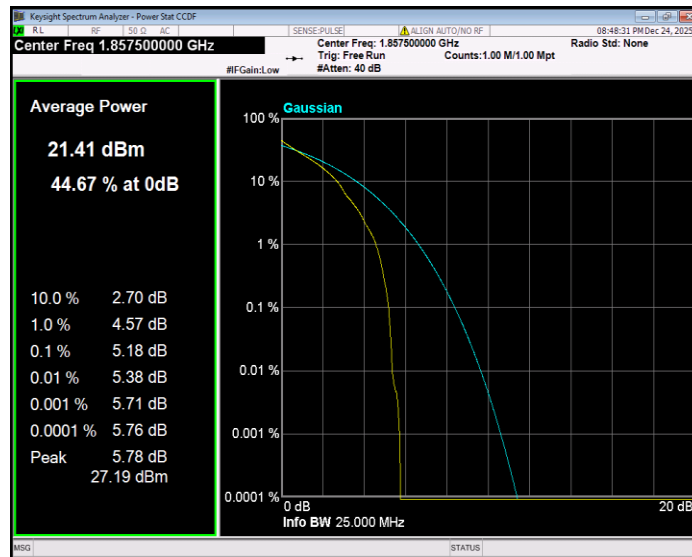
Band2 16QAM BW=10MHz Channel=19150 RB Size=1 Position=#0



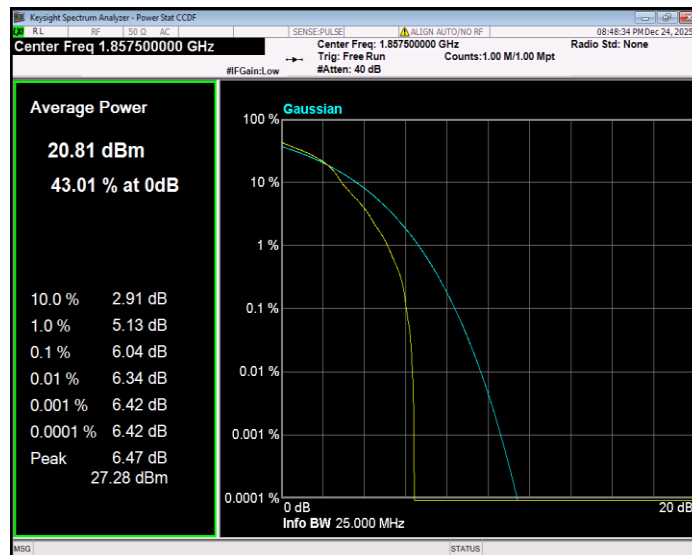


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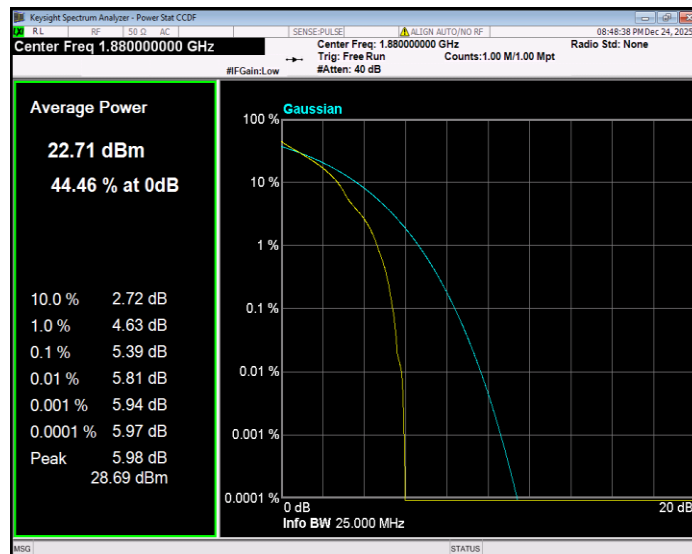
Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



Band2 16QAM BW=15MHz Channel=18675 RB Size=1 Position=#0



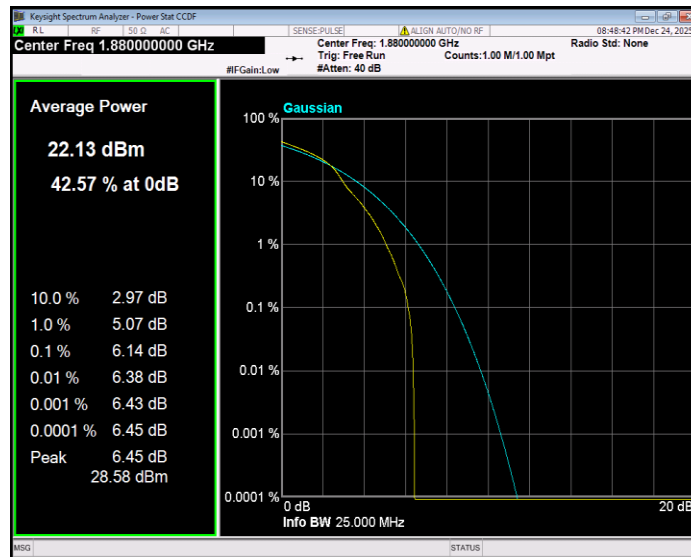
Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



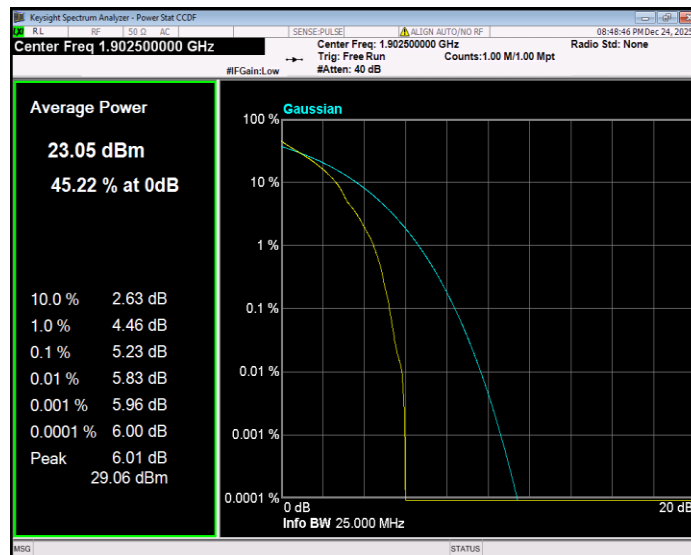


## Report

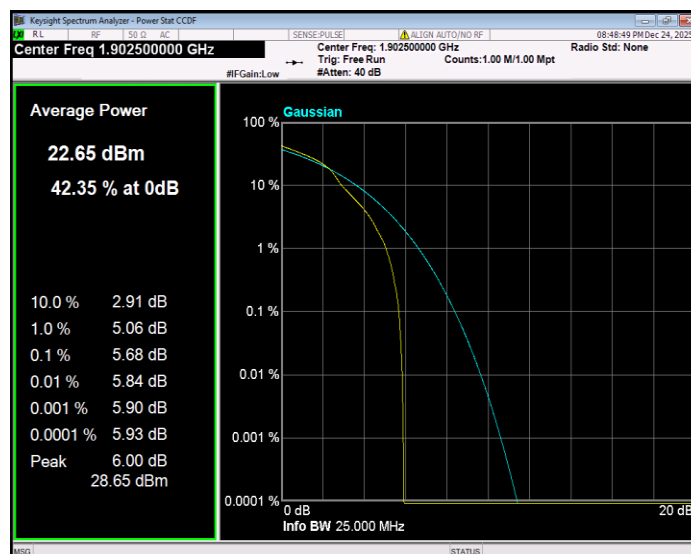
Band2 16QAM BW=15MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



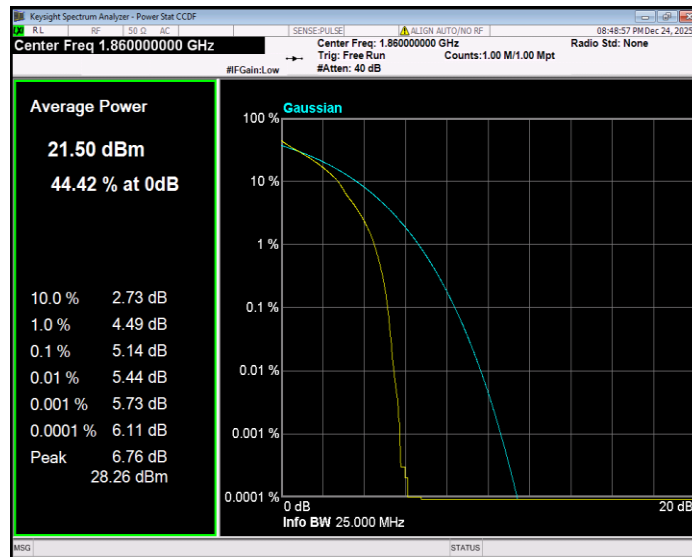
Band2 16QAM BW=15MHz Channel=19125 RB Size=1 Position=#0



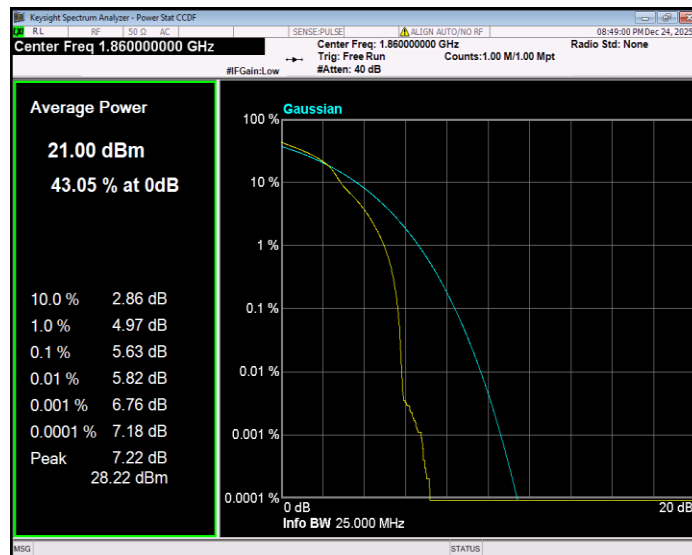


## Report

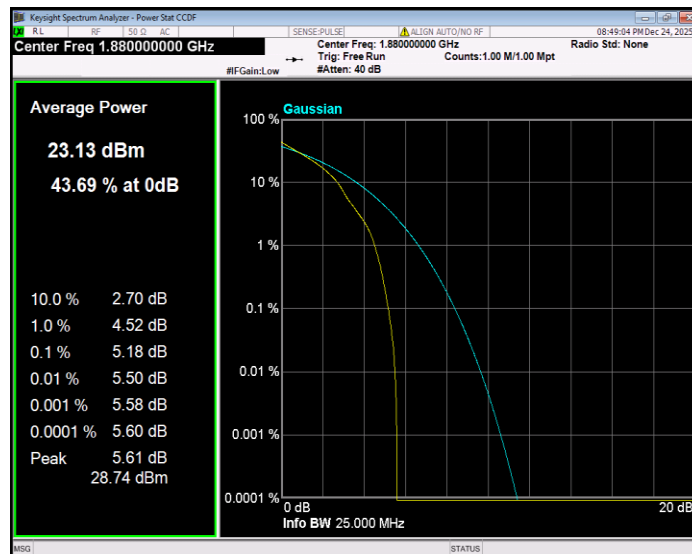
Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



Band2 16QAM BW=20MHz Channel=18700 RB Size=1 Position=#0



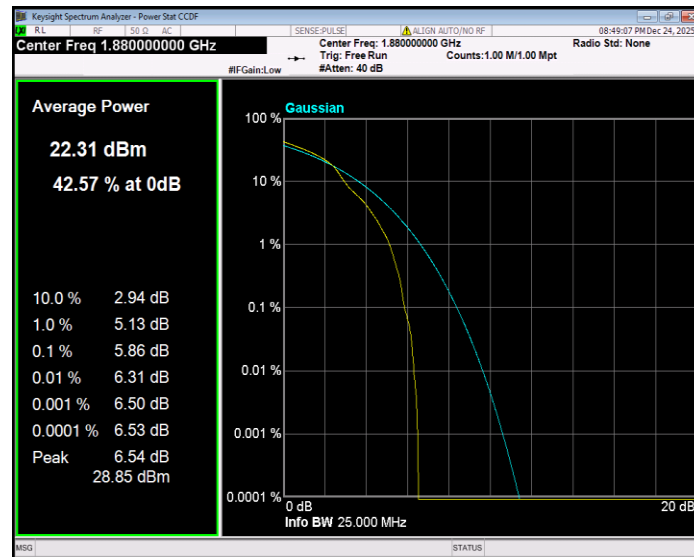
Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0



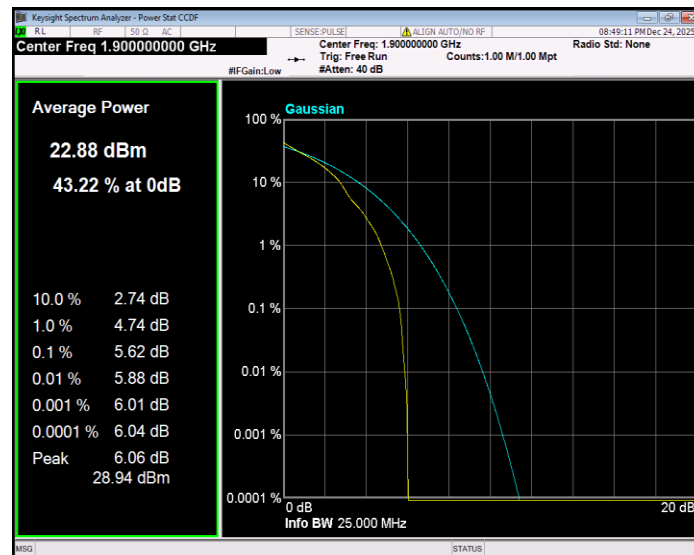


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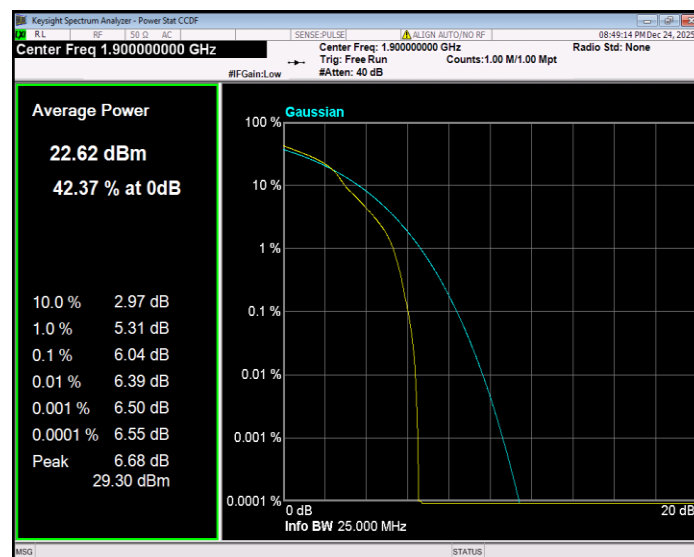
Band2 16QAM BW=20MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



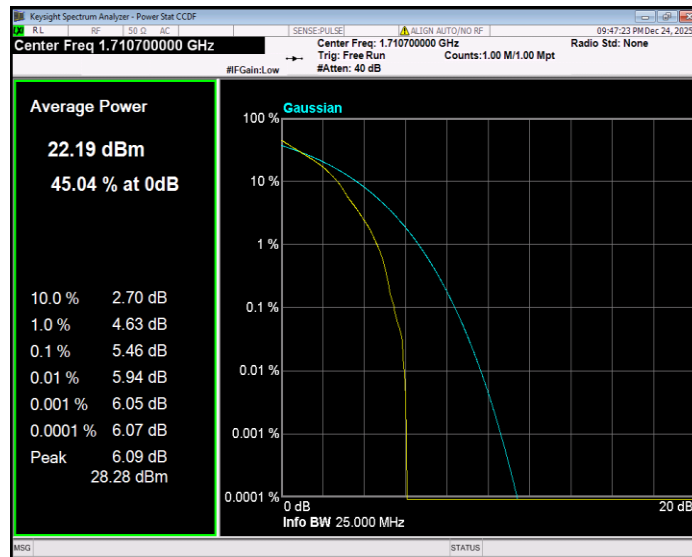
Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0



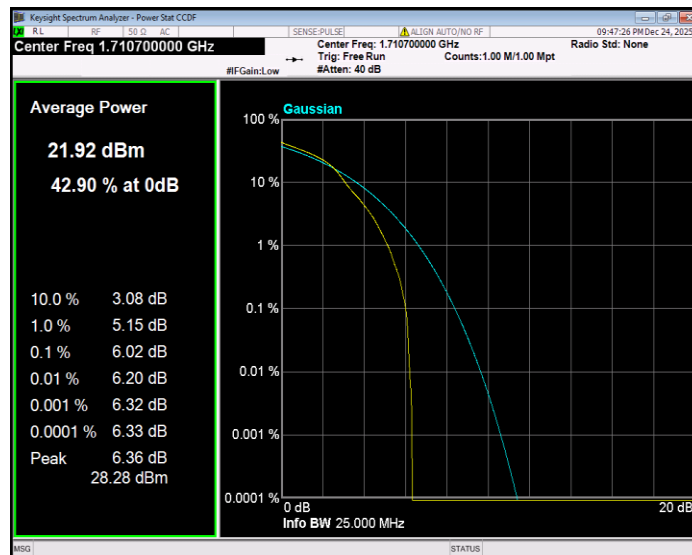


## Report

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



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

