# Appendix I: Test Data for E-UTRA Band 4

**Product Name: Smartphone**

**Test Model: S24 Pro**

**Environmental Conditions**

| | |
|---|---|
| Temperature: | 23.8°C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Paddi Chen |
| Supervised by: | Nick Peng |

# I.1 Conducted Output Power Data

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 20.53 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 20.42 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#2 | 20.55 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#2 | 20.40 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#5 | 20.60 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5 | 20.44 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#0 | 20.62 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#0 | 19.58 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#1 | 20.61 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#1 | 19.36 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#3 | 20.70 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#3 | 19.48 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 19.76 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 18.92 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 21.04 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 19.54 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#2 | 20.94 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#2 | 19.56 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#5 | 21.01 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5 | 19.54 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#0 | 21.01 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#0 | 19.78 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#1 | 20.98 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#1 | 19.84 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#3 | 20.99 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#3 | 20.29 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 20.08 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 19.42 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 21.66 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 21.07 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#2 | 21.65 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2 | 21.05 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#5 | 21.67 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5 | 21.22 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#0 | 21.93 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0 | 20.80 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#1 | 21.94 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1 | 20.80 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#3 | 22.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3 | 20.76 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 20.96 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 19.97 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 22.94 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 22.11 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#8 | 22.98 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#8 | 22.16 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#14 | 22.88 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#14 | 22.06 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#0 | 22.19 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#0 | 21.51 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#4 | 22.21 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#4 | 21.62 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#7 | 22.16 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#7 | 21.61 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 22.12 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 21.42 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 22.72 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 21.35 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#8 | 22.71 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#8 | 21.31 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#14 | 22.71 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#14 | 21.32 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#0 | 21.99 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#0 | 21.24 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#4 | 21.91 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#4 | 21.23 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#7 | 21.95 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#7 | 21.29 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 21.89 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 21.00 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 22.79 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 22.18 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#8 | 22.81 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8 | 22.11 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#14 | 22.85 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14 | 22.12 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#0 | 22.09 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0 | 21.25 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 3MHz | QPSK | 20385 | 8RB#4 | 22.03 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4 | 21.37 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#7 | 22.04 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7 | 21.29 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 22.10 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 21.36 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 23.04 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 21.71 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#12 | 23.02 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12 | 21.70 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#24 | 23.01 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24 | 21.65 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#0 | 22.25 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0 | 21.35 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#6 | 22.16 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6 | 21.34 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#13 | 22.19 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 21.33 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 22.22 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 21.48 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 22.70 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 22.19 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#12 | 22.61 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12 | 22.10 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#24 | 22.65 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24 | 22.18 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#0 | 21.99 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0 | 21.33 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#6 | 21.88 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6 | 21.19 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#13 | 21.97 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 21.13 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 22.03 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 20.95 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 22.91 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 21.72 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#12 | 22.95 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12 | 21.69 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#24 | 22.96 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24 | 21.66 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#0 | 22.11 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0 | 21.17 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 5MHz | QPSK | 20375 | 12RB#6 | 22.12 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#6 | 21.18 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#13 | 22.12 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#13 | 21.15 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 22.09 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 21.16 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 22.97 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 22.20 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#24 | 22.89 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 22.15 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#49 | 22.81 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 22.08 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#0 | 22.13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0 | 21.37 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#12 | 22.15 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 21.29 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#25 | 22.11 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 21.24 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 22.18 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 21.36 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 22.79 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 21.97 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#24 | 22.81 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 21.87 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#49 | 22.72 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 21.89 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#0 | 22.02 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0 | 21.21 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#12 | 22.01 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 21.20 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#25 | 21.90 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 21.29 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 21.98 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 21.17 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 22.64 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 22.51 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#24 | 22.74 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 22.54 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#49 | 22.76 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 22.61 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#0 | 22.12 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0 | 21.20 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 10MHz | QPSK | 20350 | 25RB#12 | 22.01 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 21.21 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#25 | 22.06 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 21.27 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 22.05 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 21.25 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 22.97 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 22.21 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#38 | 22.85 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 22.17 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#74 | 22.74 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 22.12 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#0 | 22.06 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0 | 22.07 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#18 | 22.06 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 22.06 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#37 | 22.06 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 22.05 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 22.05 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 21.33 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 22.42 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 21.88 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#38 | 22.35 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 21.77 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#74 | 22.36 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 21.84 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#0 | 21.95 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0 | 21.94 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#18 | 22.04 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 22.04 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#37 | 22.04 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 22.02 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 22.02 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 21.32 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 22.63 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 22.28 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#38 | 22.72 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 22.38 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#74 | 22.88 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 22.21 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#0 | 22.01 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0 | 22.02 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 15MHz | QPSK | 20325 | 38RB#18 | 22.02 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 22.03 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#37 | 22.12 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 22.11 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 22.06 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 21.28 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 22.97 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 22.05 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#49 | 22.80 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49 | 21.86 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | 22.67 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | 21.73 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#0 | 22.17 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0 | 21.51 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#25 | 22.20 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 21.51 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#50 | 22.04 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 21.34 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 22.01 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 21.33 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 22.90 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 22.64 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#49 | 22.77 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49 | 22.52 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#99 | 22.94 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99 | 22.46 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#0 | 22.03 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0 | 21.21 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#25 | 22.00 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 21.20 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#50 | 22.01 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 21.17 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 21.97 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 21.25 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 22.84 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 21.66 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#49 | 22.89 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49 | 21.64 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | 22.96 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | 21.68 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#0 | 21.99 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0 | 21.35 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 20MHz | QPSK | 20300 | 50RB#25 | 21.98 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 21.35 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#50 | 22.09 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 21.43 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 22.11 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 21.26 | PASS |

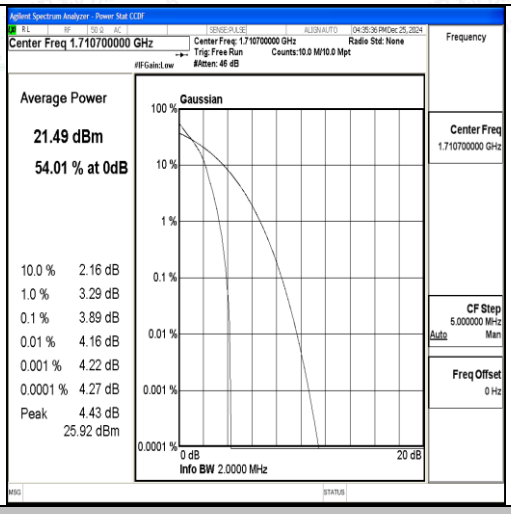
# I.2 Peak-to-Average Ratio(CCDF)

## Test Result

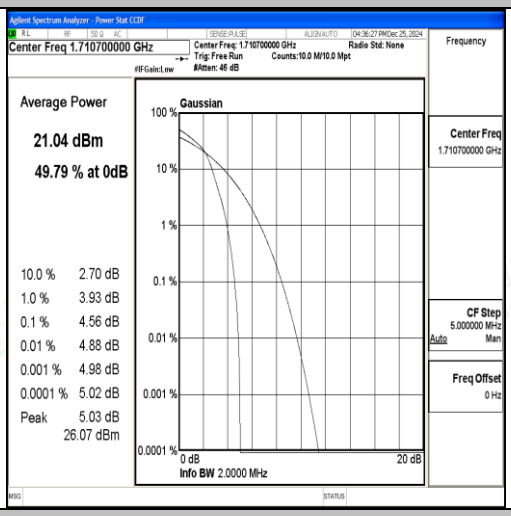
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 3.89 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 4.56 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 4.57 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 5.24 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 4.19 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 4.82 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 4.89 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 5.59 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 3.40 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 4.02 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 4.33 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 5.00 | 13 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 3.52 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 4.26 | 13 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 4.28 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 5.03 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 3.73 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 4.53 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 4.57 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 5.27 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 3.45 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 4.28 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 4.27 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 4.98 | 13 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 3.59 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 4.37 | 13 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.87 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 5.41 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 3.82 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 4.76 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.95 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 5.60 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 3.43 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 4.37 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 4.79 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 5.37 | 13 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 3.50 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 4.21 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 4.94 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 5.57 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 3.86 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 4.65 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 4.96 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 5.64 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 3.12 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 3.99 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 4.77 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 5.41 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 3.49 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 4.19 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 5.24 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 5.70 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 4.01 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 4.60 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 5.22 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 5.74 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 3.40 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 4.04 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 4.96 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 5.50 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 3.24 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 4.10 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 5.02 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 5.66 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 3.93 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 4.58 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 4.94 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 5.63 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 3.32 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 3.90 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 4.74 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 5.36 | 13 | PASS |

## Test Graphs




Band4-1.4MHz-QPSK-19957-1RB#0-PASS

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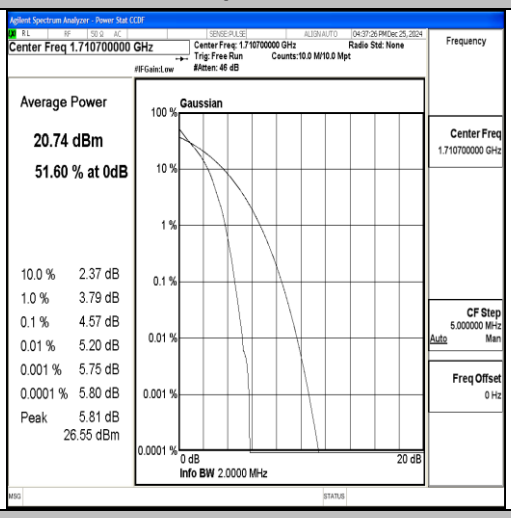


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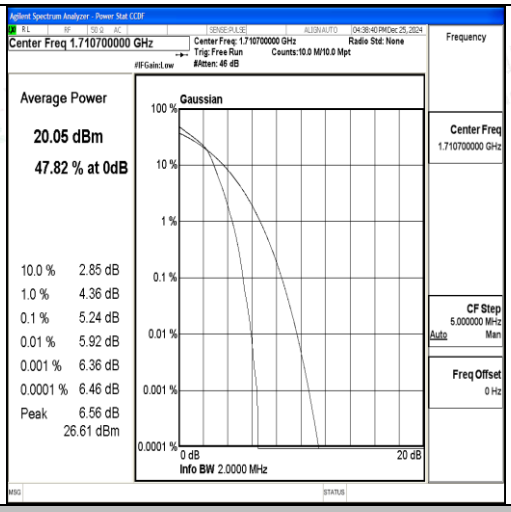


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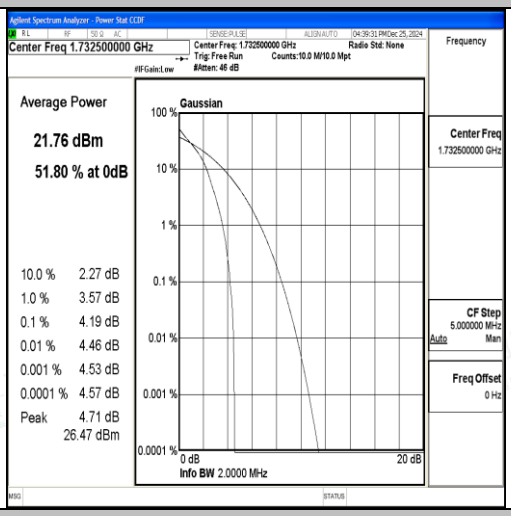


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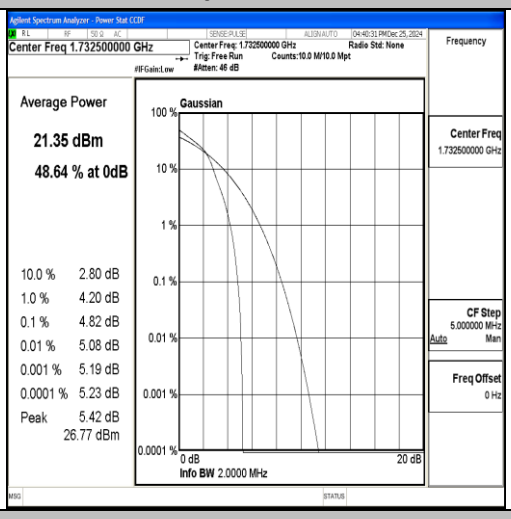


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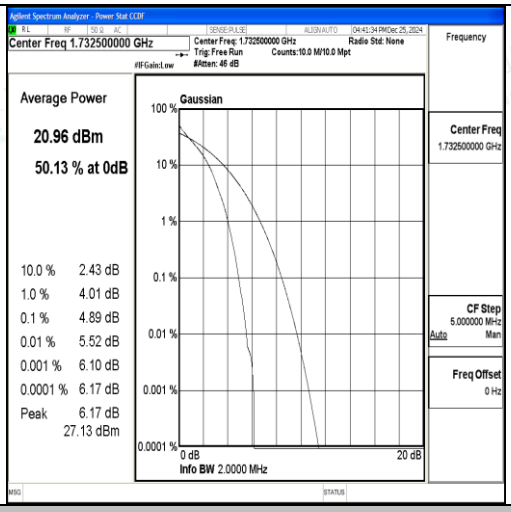


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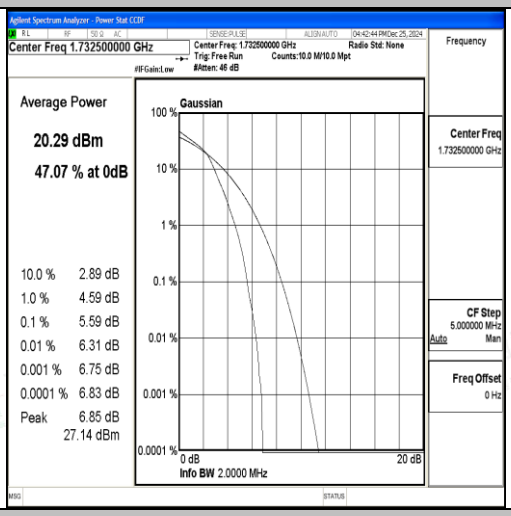


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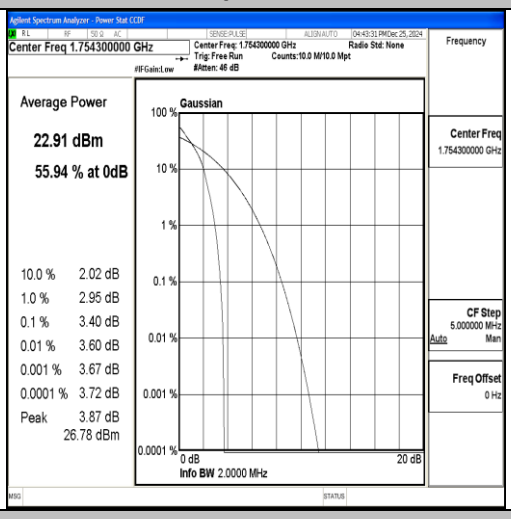
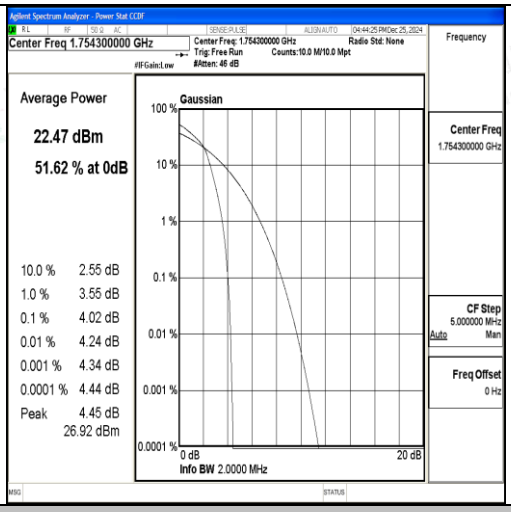



Band4-1.4MHz-QPSK-20393-1RB#0-PASS

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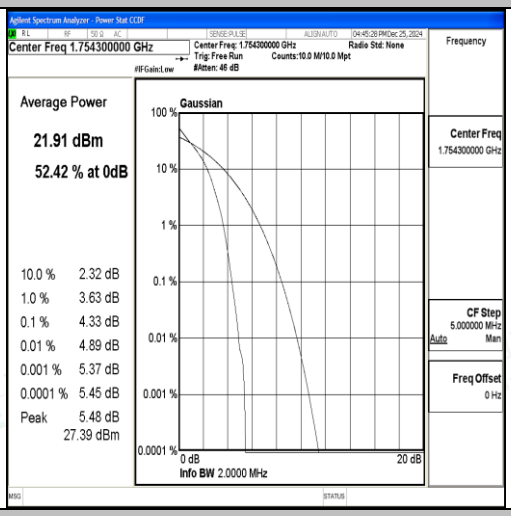


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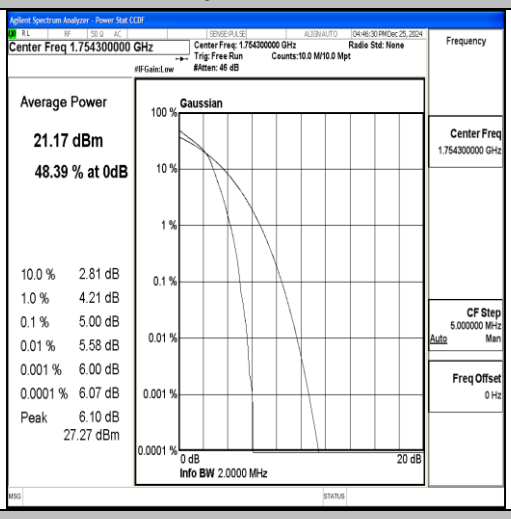


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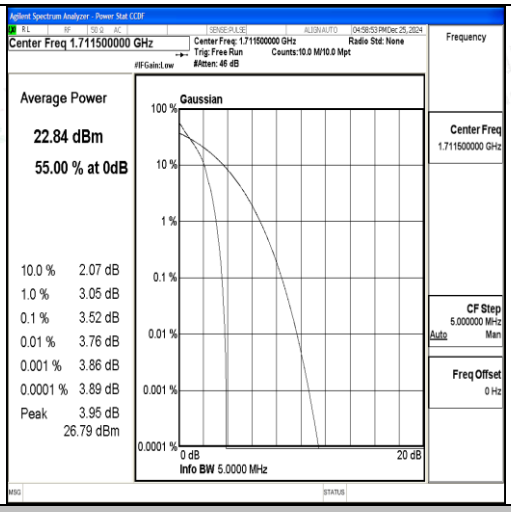


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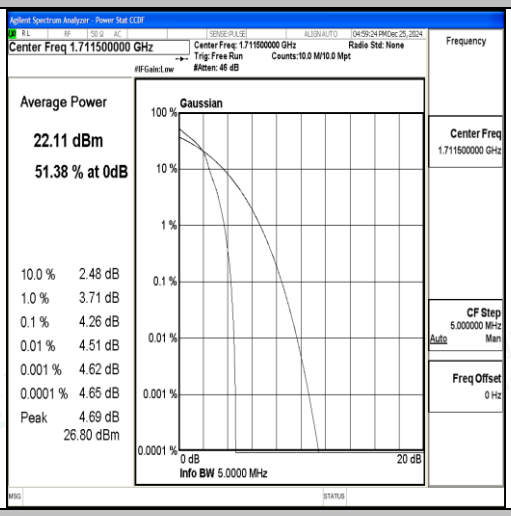


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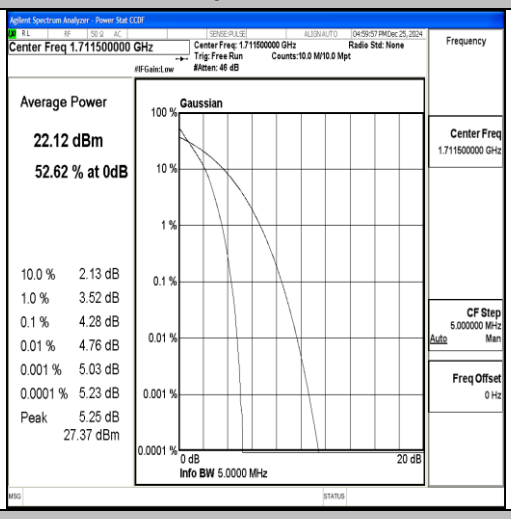


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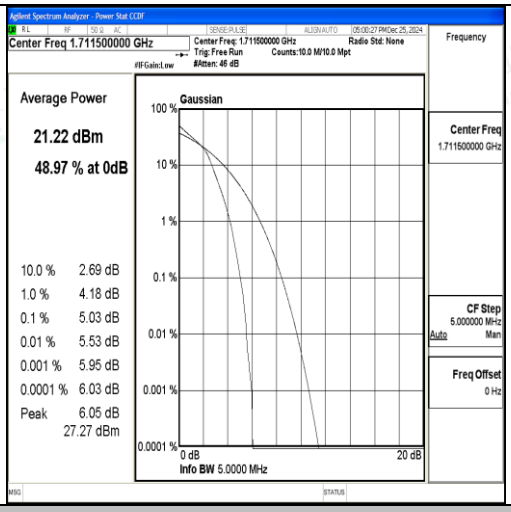


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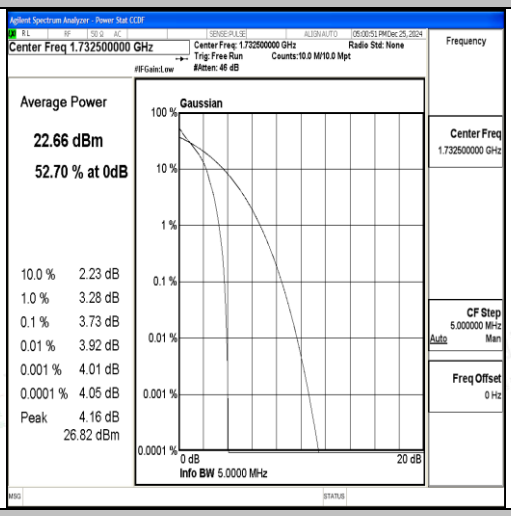


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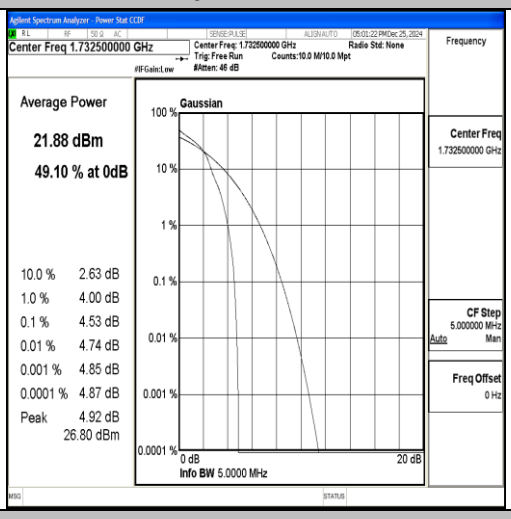


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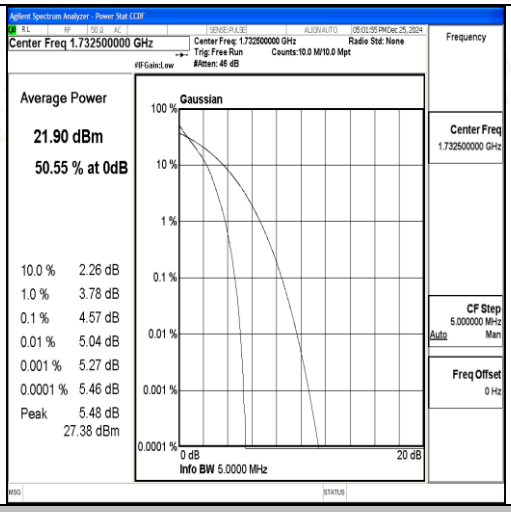


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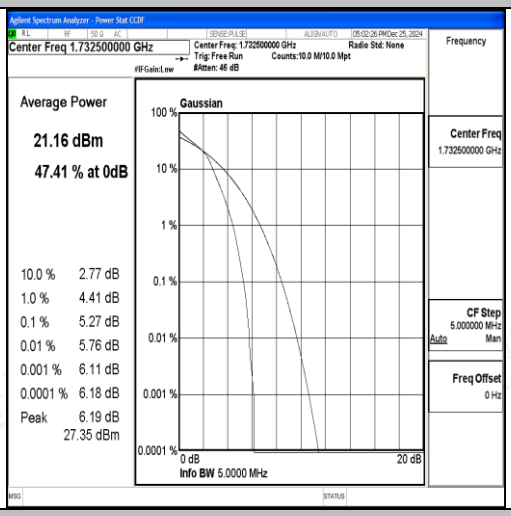


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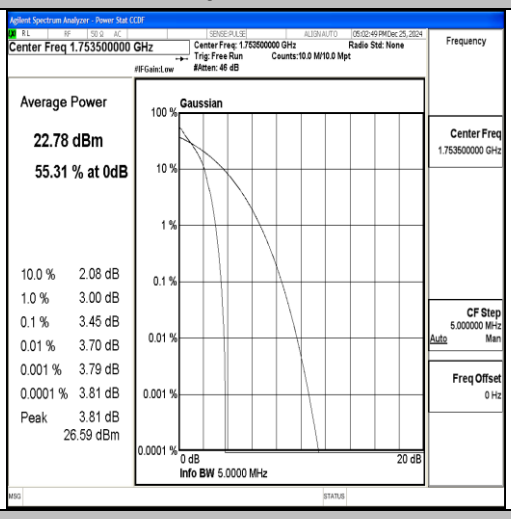


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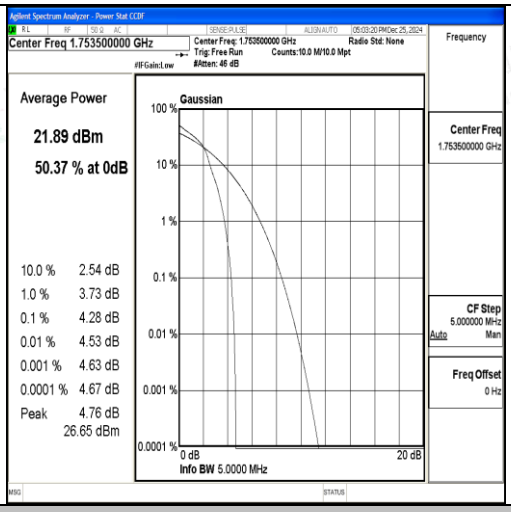


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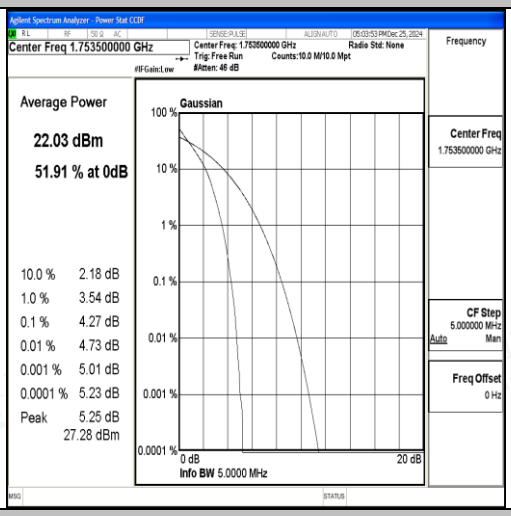


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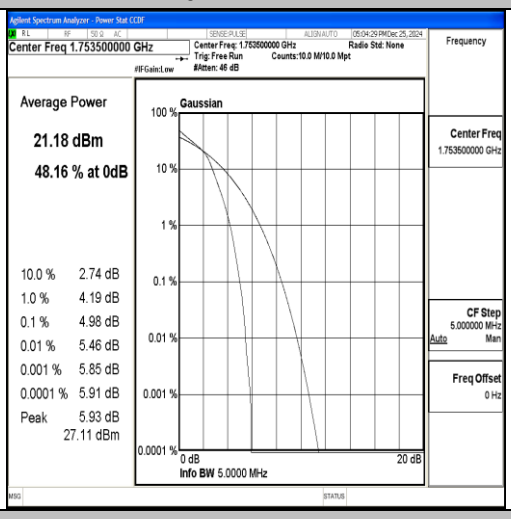


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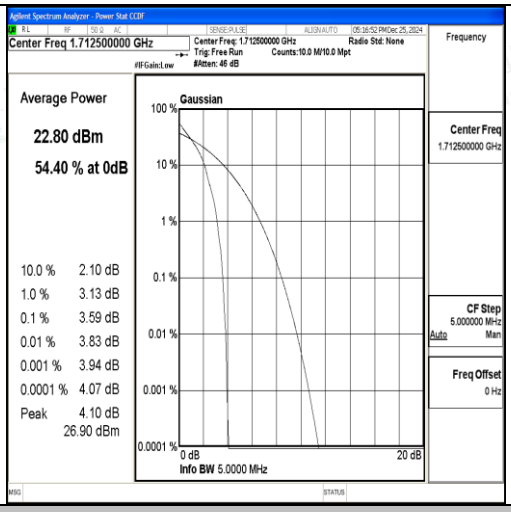


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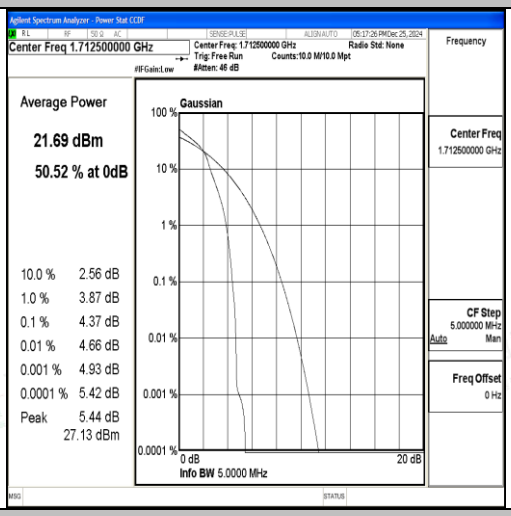


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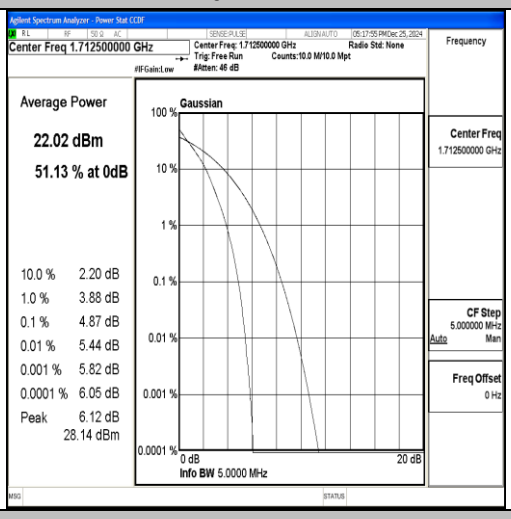


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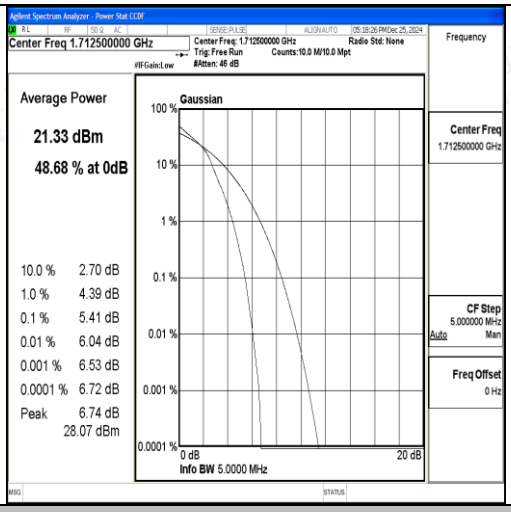


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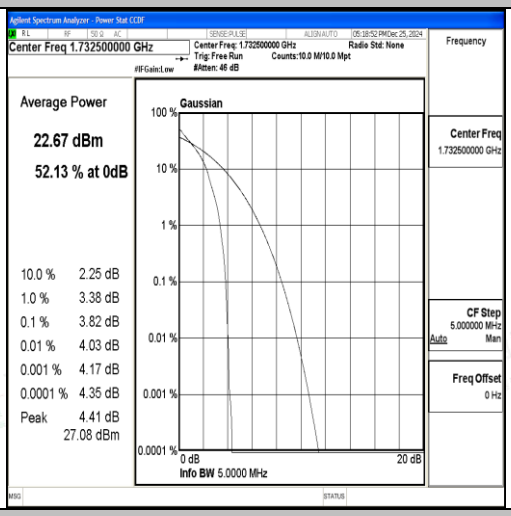


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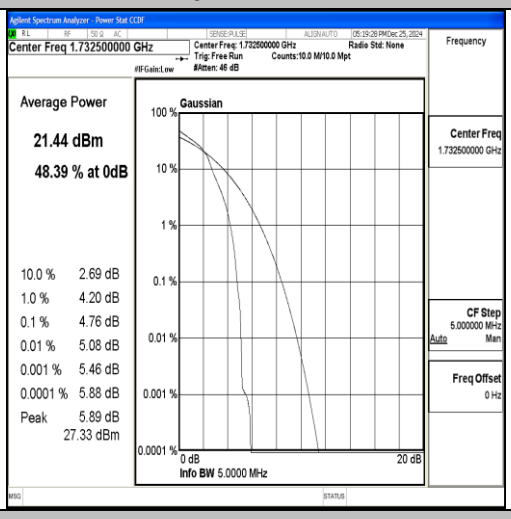


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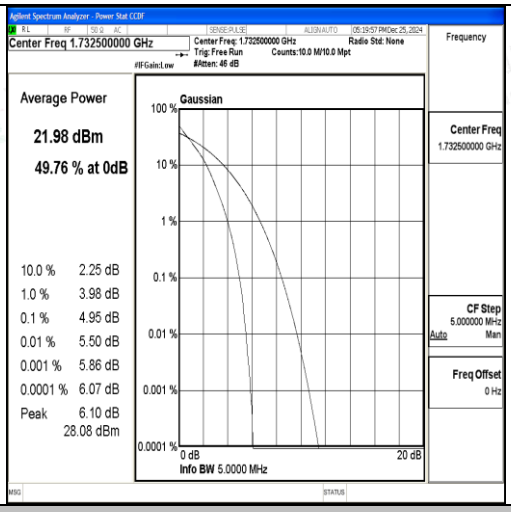


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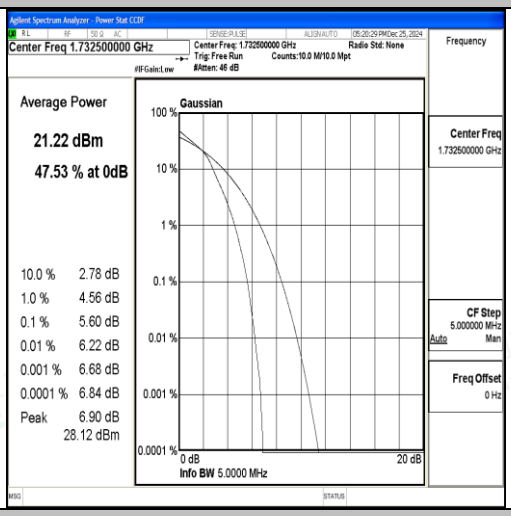


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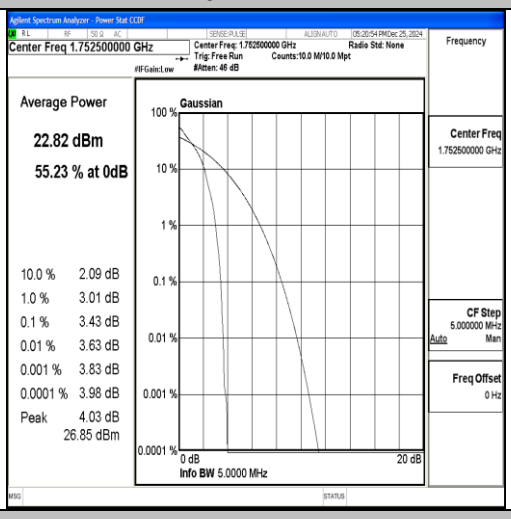


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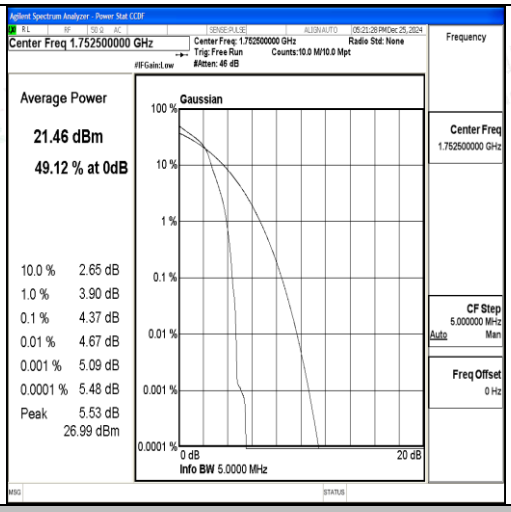


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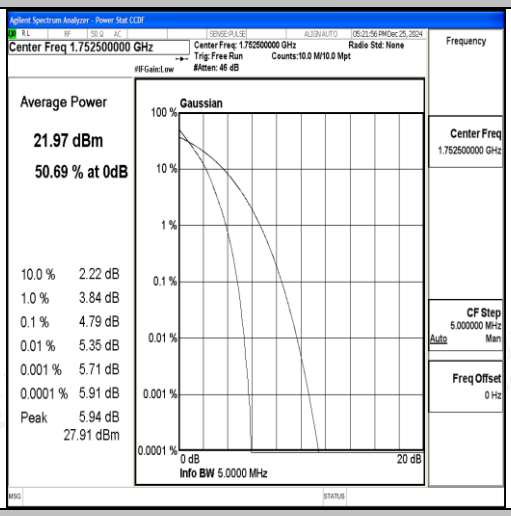


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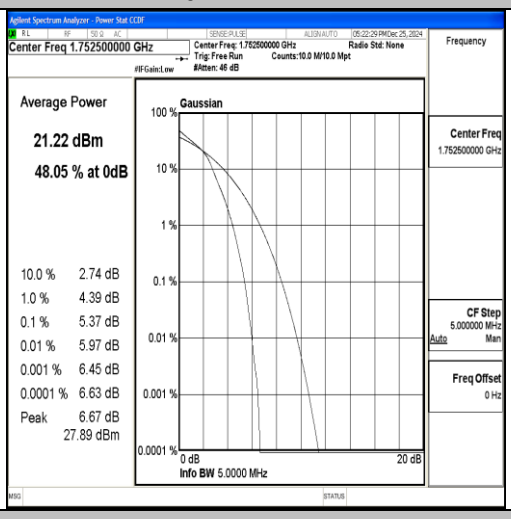


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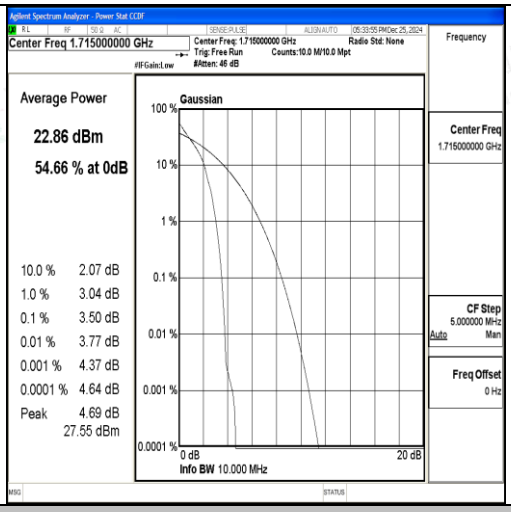


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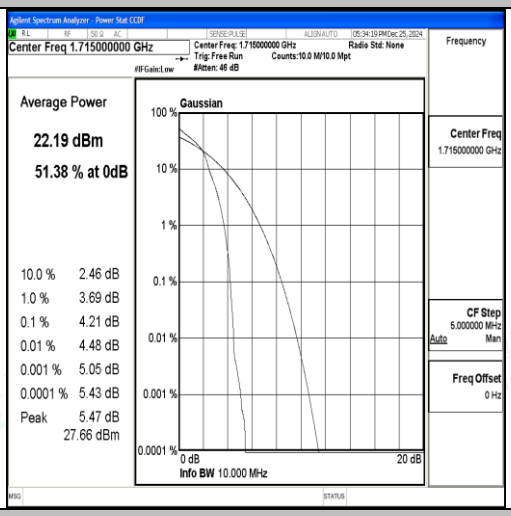


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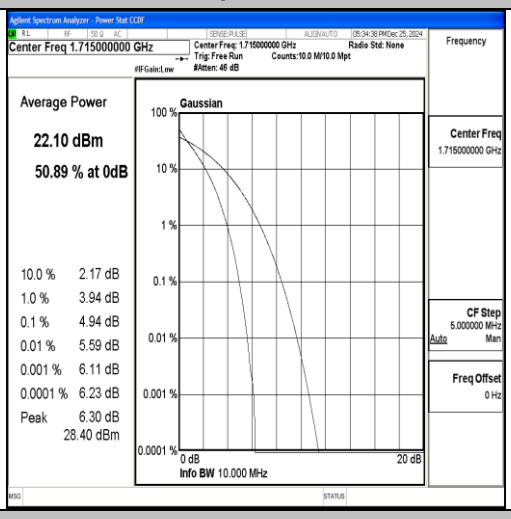


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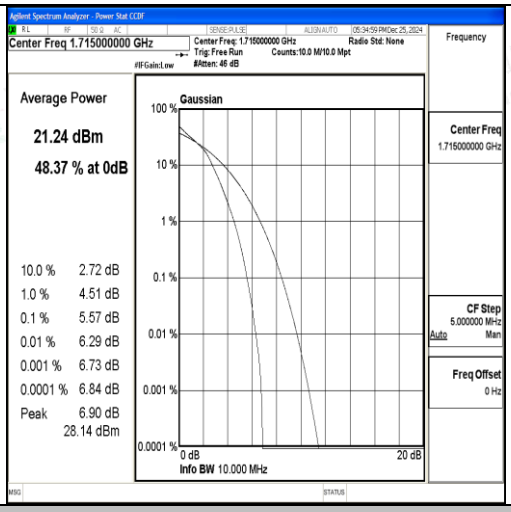
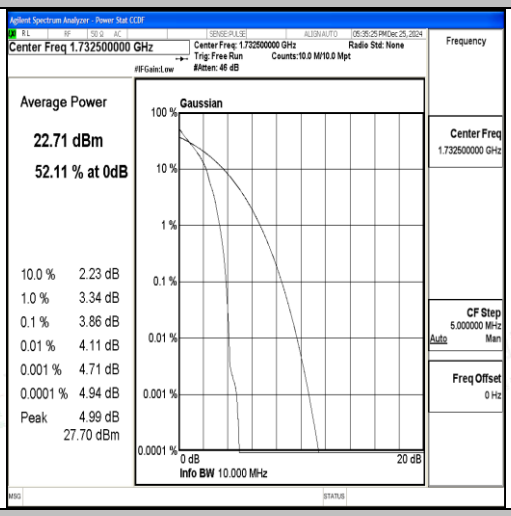
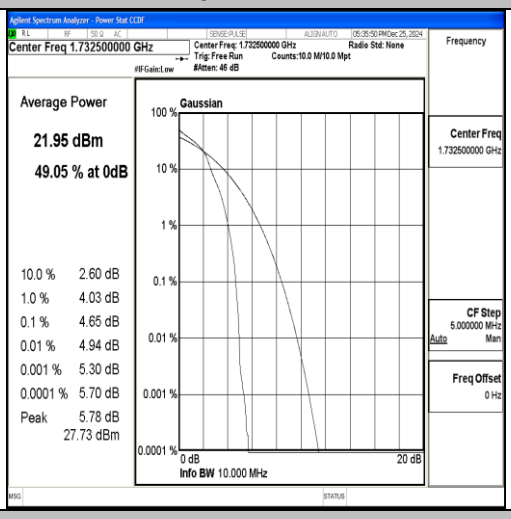



Band4-10MHz-16QAM-20000-50RB#0-PASS




Band4-10MHz-QPSK-20175-1RB#0-PASS

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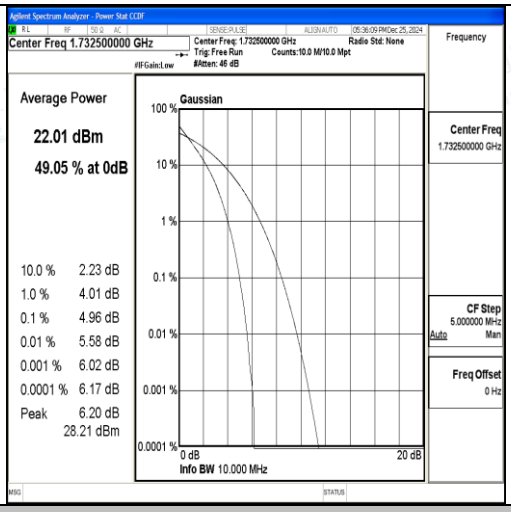


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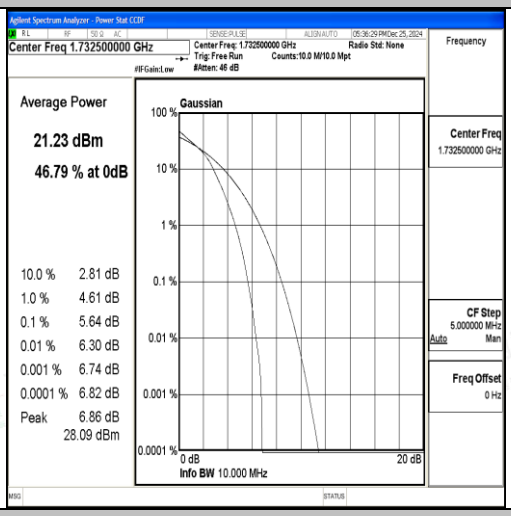


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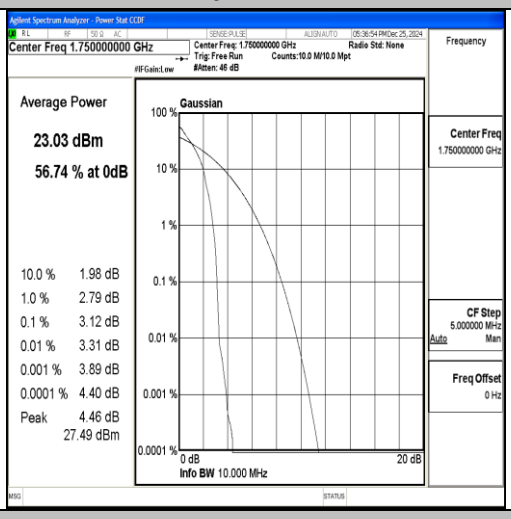
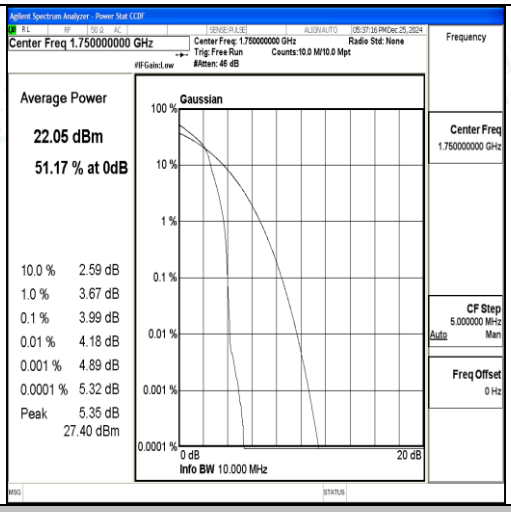
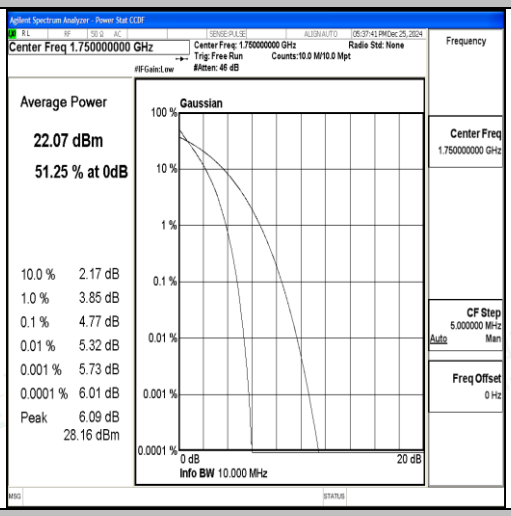



Band4-10MHz-QPSK-20350-1RB#0-PASS




Band4-10MHz-16QAM-20350-1RB#0-PASS

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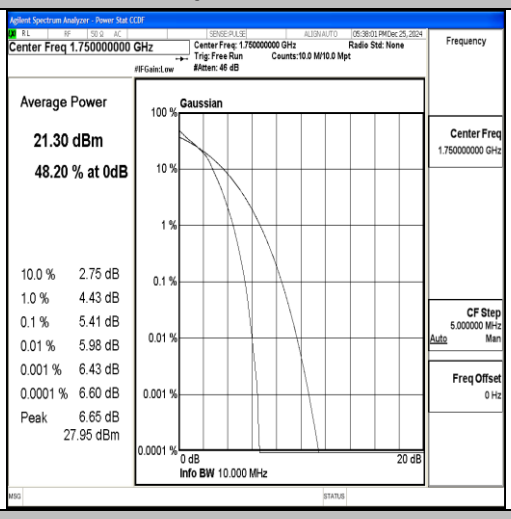


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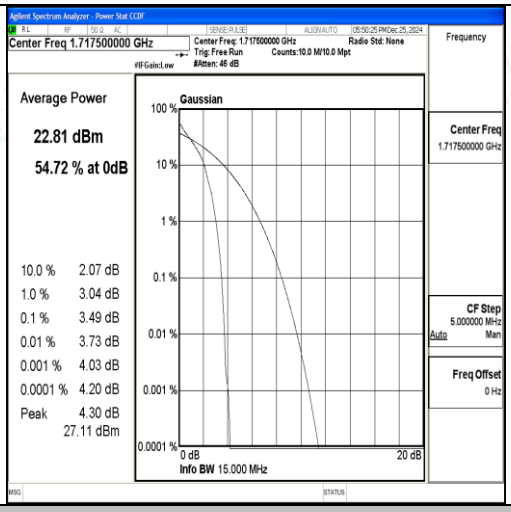


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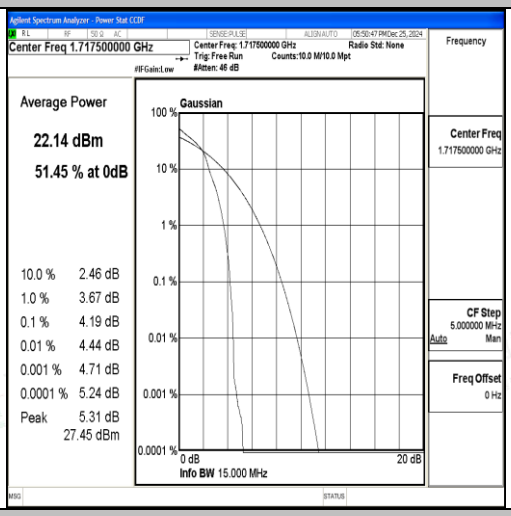


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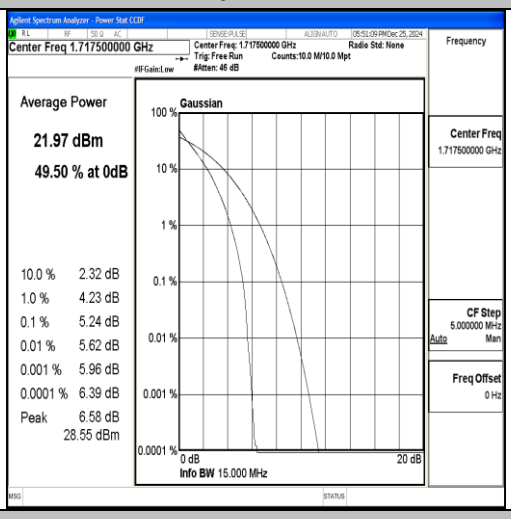
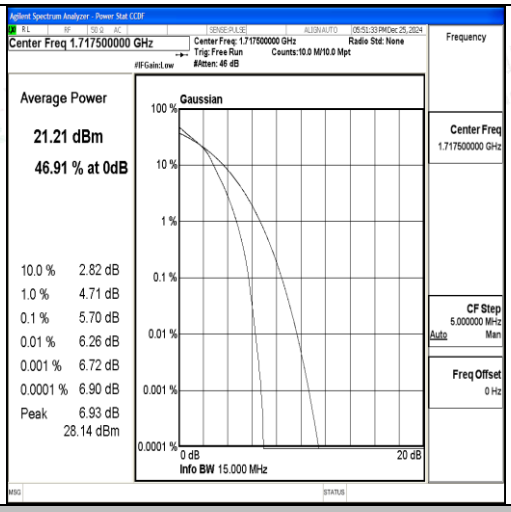



Band4-15MHz-QPSK-20025-75RB#0-PASS

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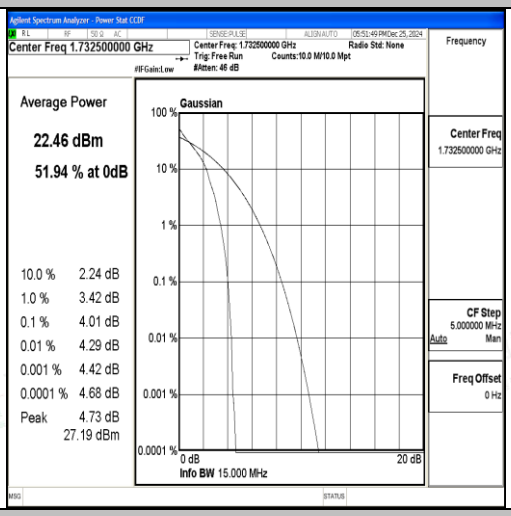
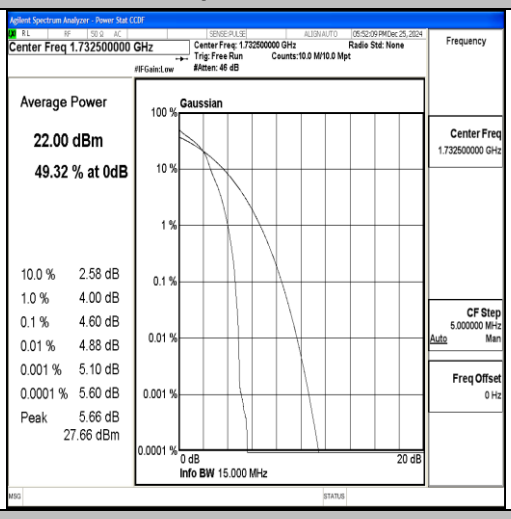
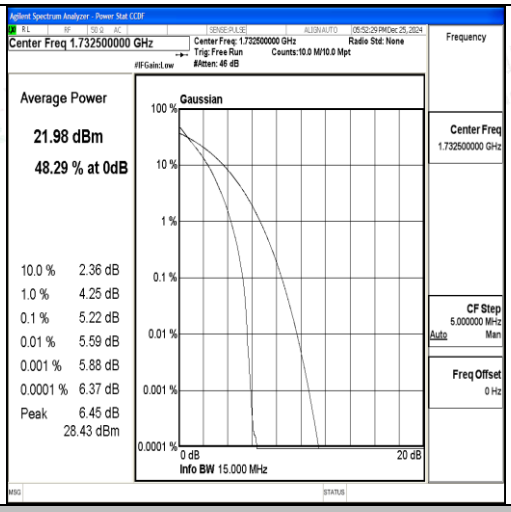



Band4-15MHz-QPSK-20175-1RB#0-PASS




Band4-15MHz-16QAM-20175-1RB#0-PASS

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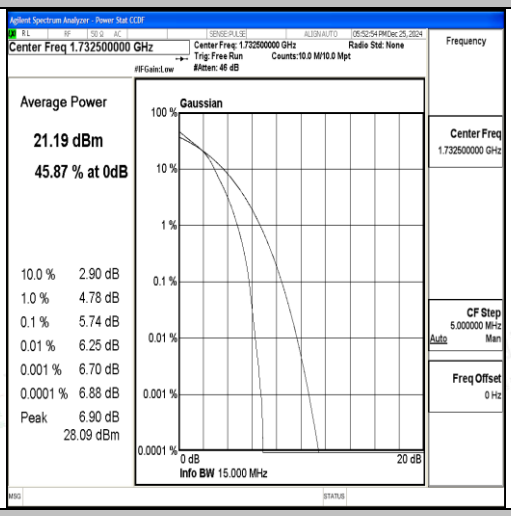
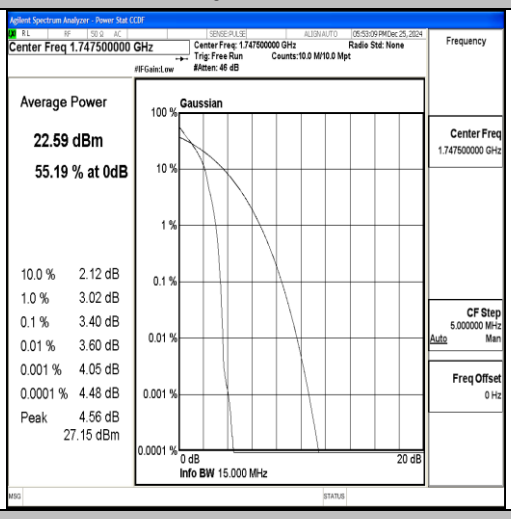



Band4-15MHz-16QAM-20175-75RB#0-PASS

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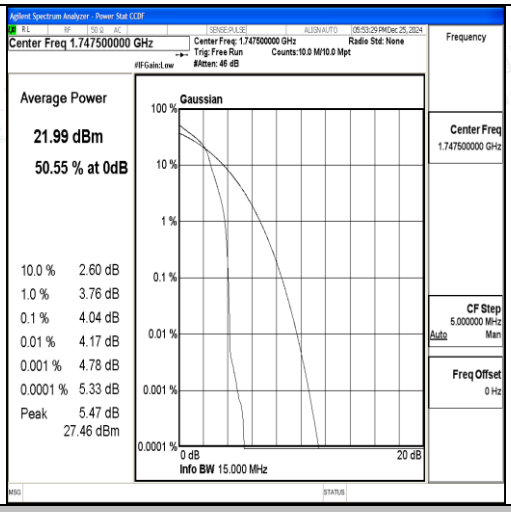


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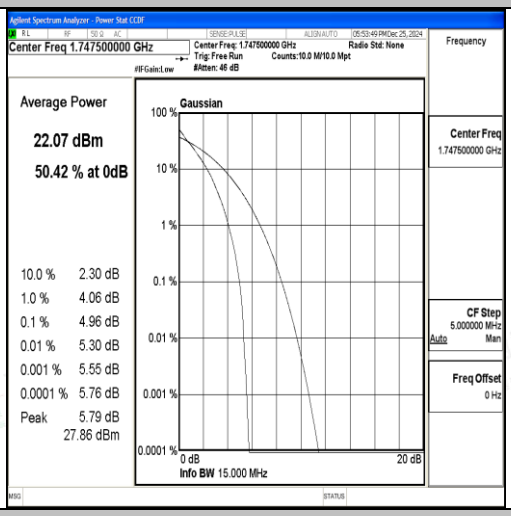


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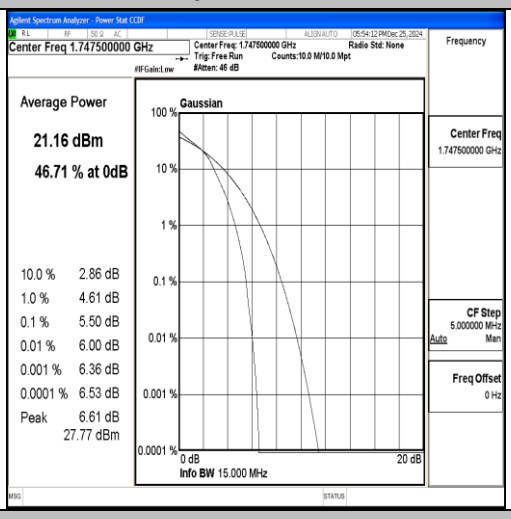
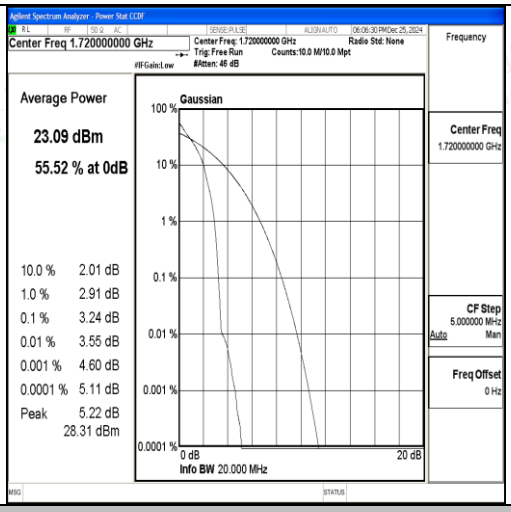



Band4-15MHz-16QAM-20325-75RB#0-PASS

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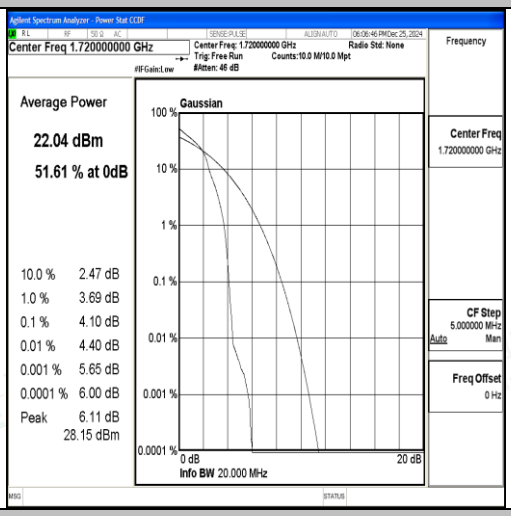


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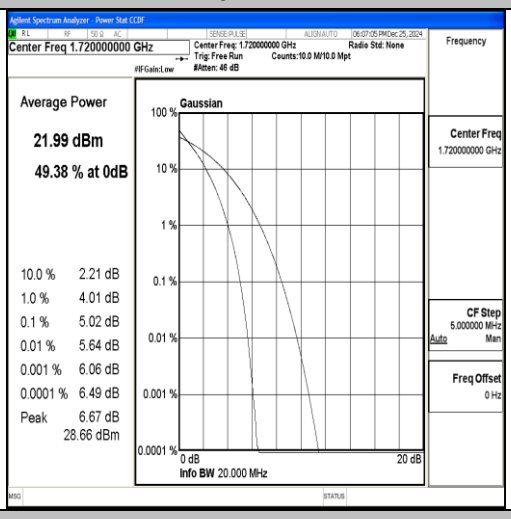


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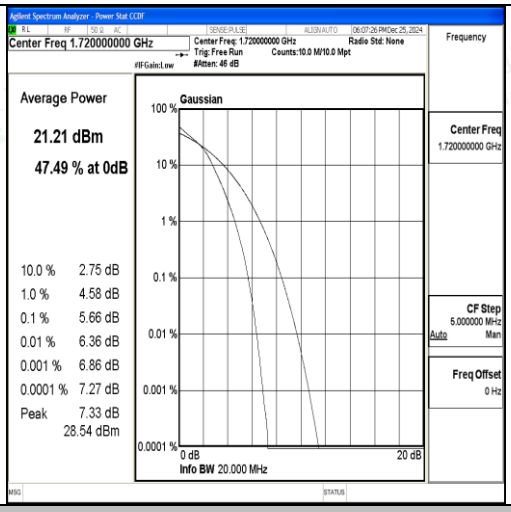


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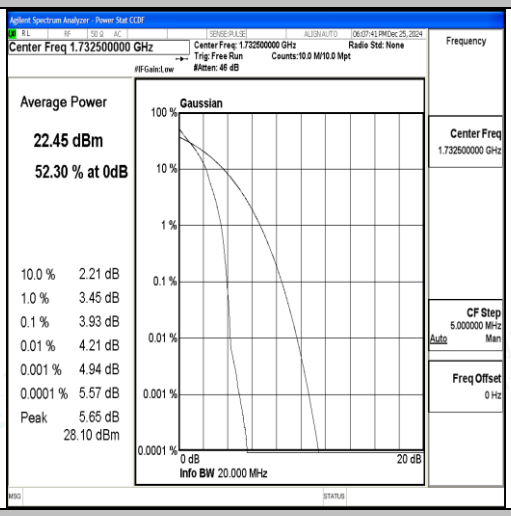


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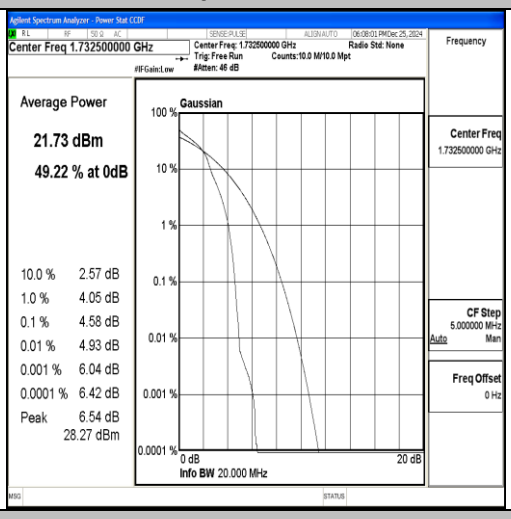


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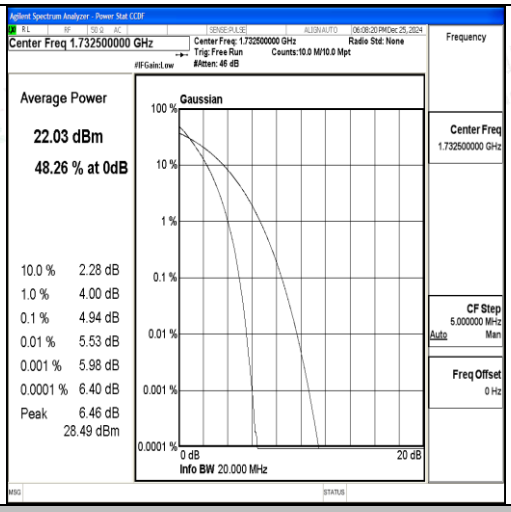


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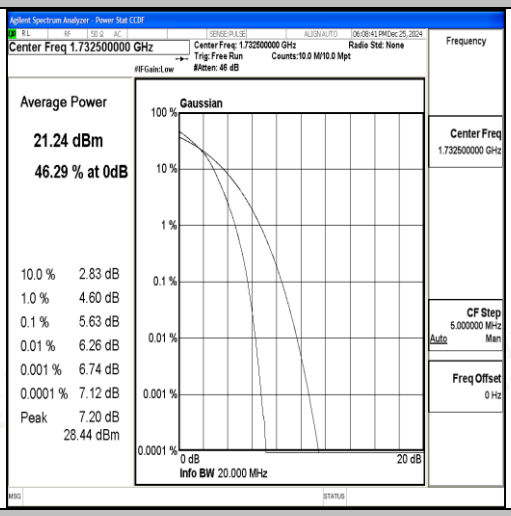


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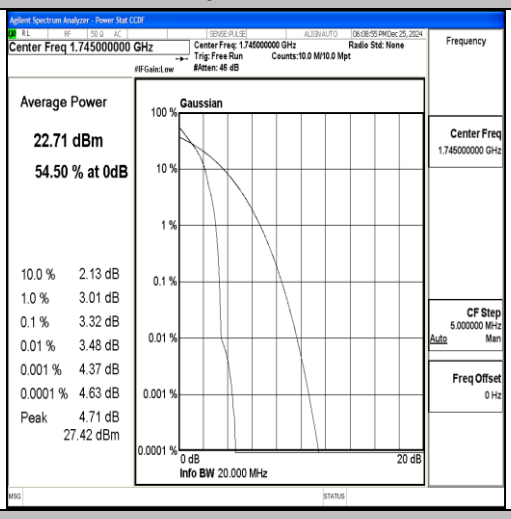
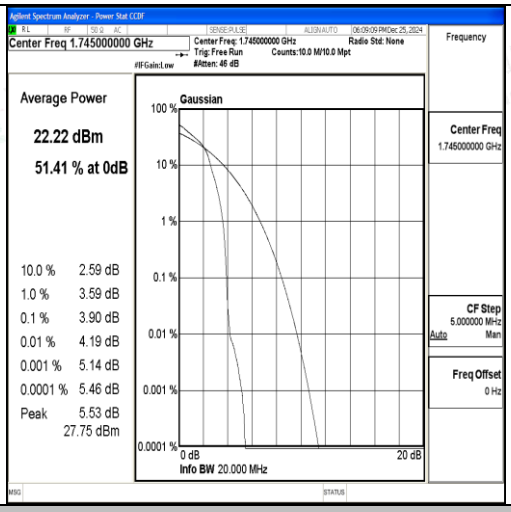
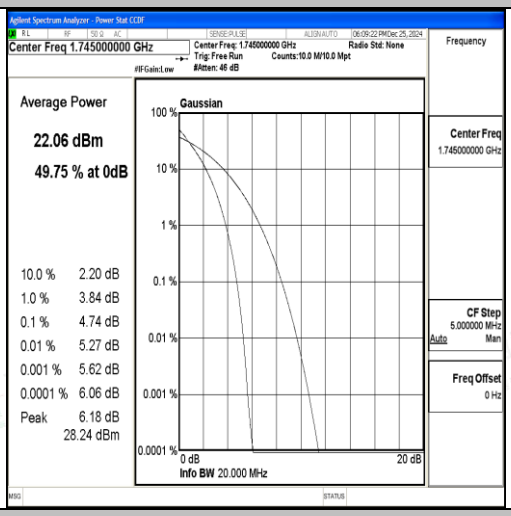


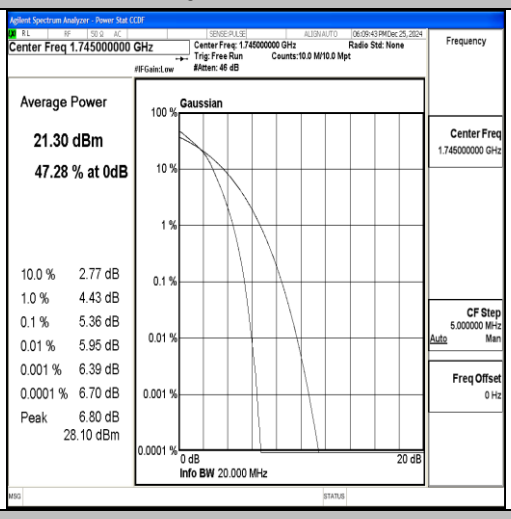

Band4-20MHz-QPSK-20300-1RB#0-PASS




Band4-20MHz-16QAM-20300-1RB#0-PASS




Band4-20MHz-QPSK-20300-100RB#0-PASS




Band4-20MHz-16QAM-20300-100RB#0-PASS

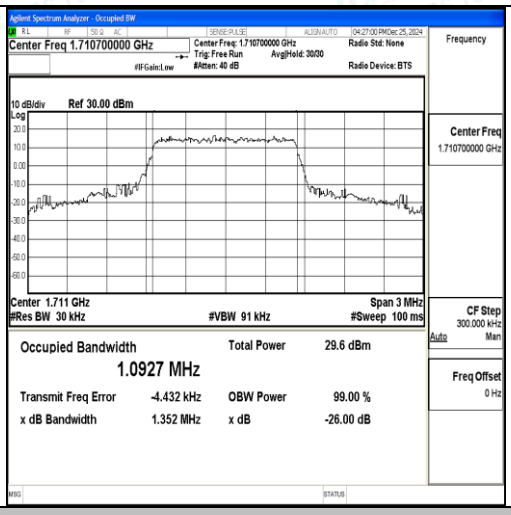
# I.3 26dB Bandwidth and Occupied Bandwidth

## Test Result

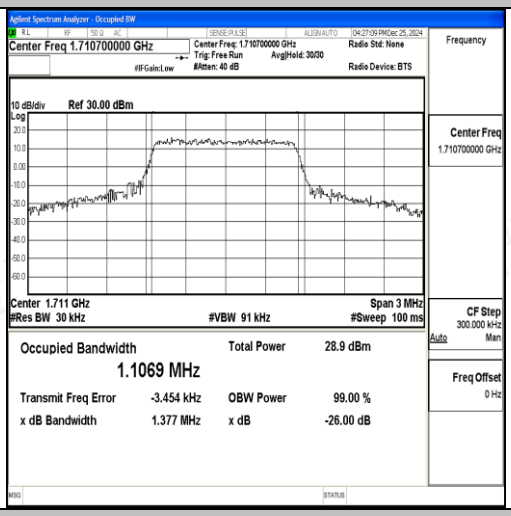
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 1.0927 | 1.352 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 1.1069 | 1.377 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 1.0927 | 1.401 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 1.0959 | 1.345 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 1.0994 | 1.377 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 1.1020 | 1.351 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 2.7633 | 3.447 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 2.7646 | 3.198 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 2.7708 | 3.487 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 2.7491 | 3.323 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 2.7703 | 3.686 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 2.7467 | 3.349 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.5317 | 5.455 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 4.5217 | 5.353 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.5208 | 5.345 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 4.5191 | 5.303 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 4.5155 | 5.392 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 4.5292 | 5.316 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 9.0102 | 10.07 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 9.0056 | 10.24 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 8.9864 | 10.04 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 9.0061 | 10.20 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 9.0238 | 10.40 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 9.0187 | 10.47 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 13.524 | 15.70 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 13.539 | 15.30 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 13.542 | 15.37 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 13.502 | 15.05 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 13.531 | 15.78 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 13.497 | 14.83 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 18.034 | 20.35 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 18.043 | 20.17 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 18.049 | 20.15 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 18.016 | 19.93 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 18.029 | 20.44 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 18.007 | 20.54 | PASS |

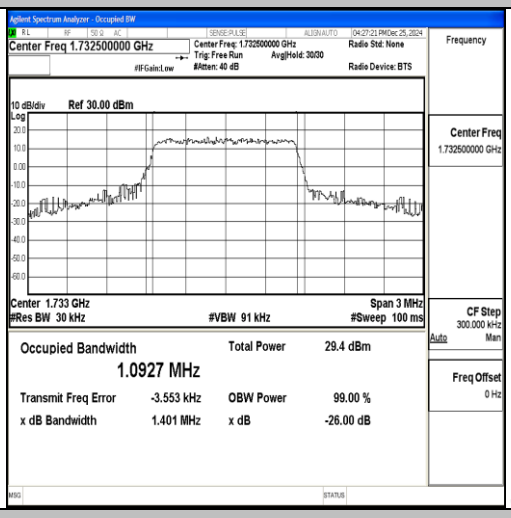
## Test Graphs



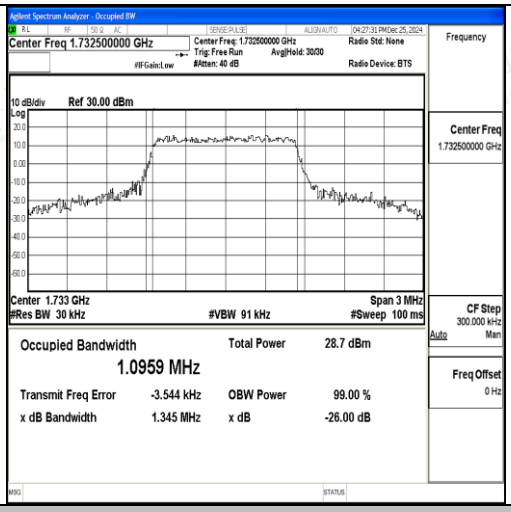

Band4-1.4MHz-QPSK-19957-6RB#0-PASS




Band4-1.4MHz-16QAM-19957-6RB#0-PASS




Band4-1.4MHz-QPSK-20175-6RB#0-PASS

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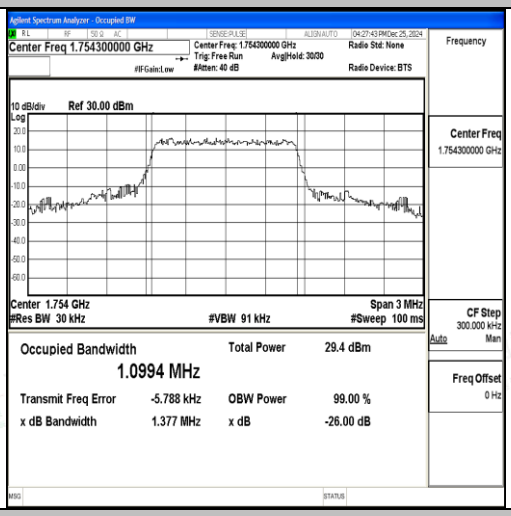
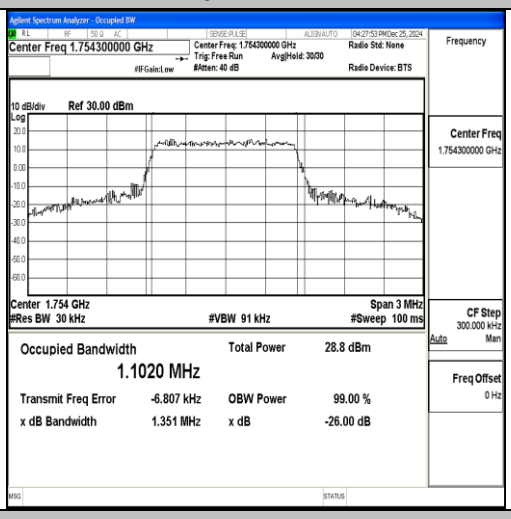
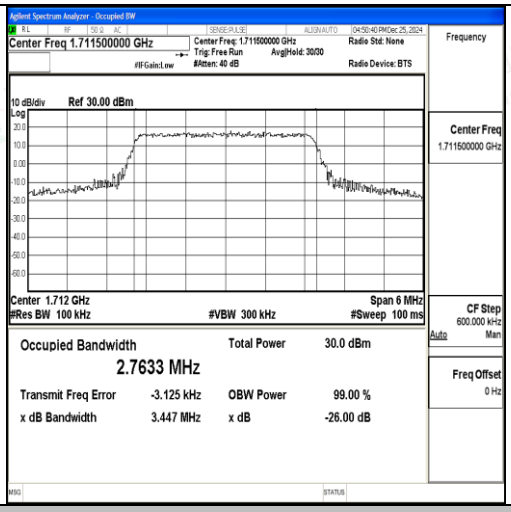


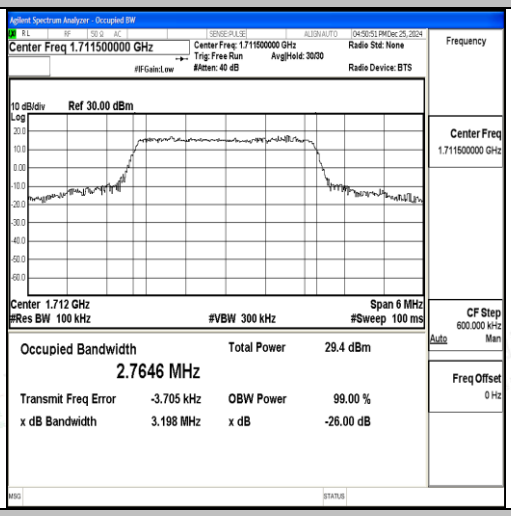

Band4-1.4MHz-QPSK-20393-6RB#0-PASS



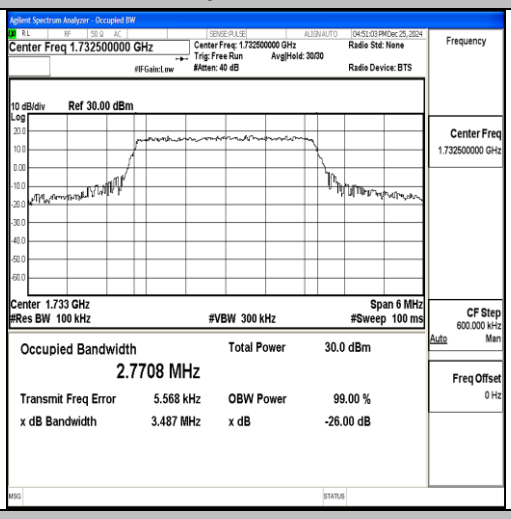

Band4-1.4MHz-16QAM-20393-6RB#0-PASS



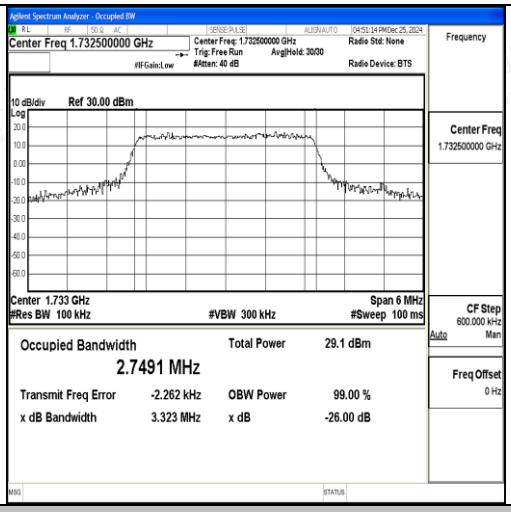

Band4-3MHz-QPSK-19965-15RB#0-PASS



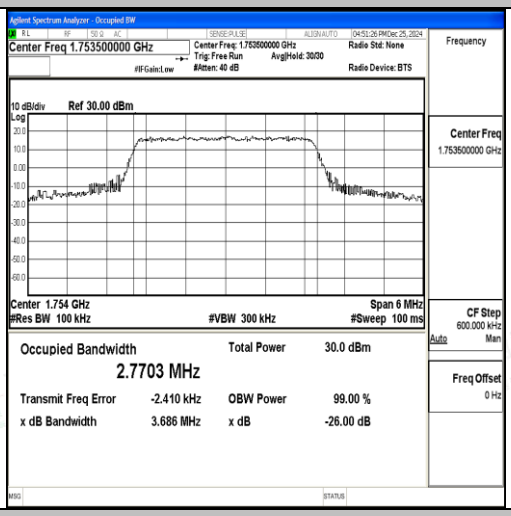

Band4-3MHz-16QAM-19965-15RB#0-PASS




Band4-3MHz-QPSK-20175-15RB#0-PASS




Band4-3MHz-16QAM-20175-15RB#0-PASS

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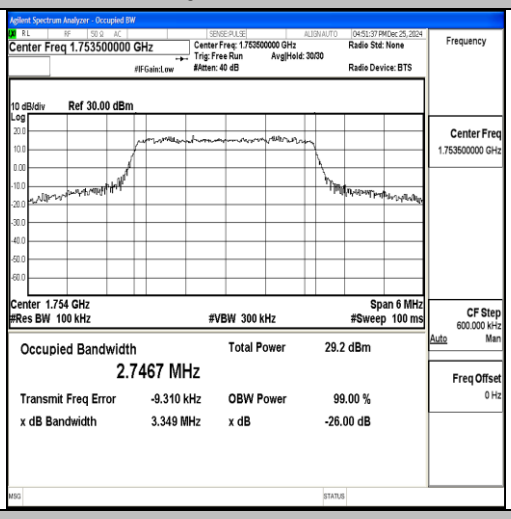


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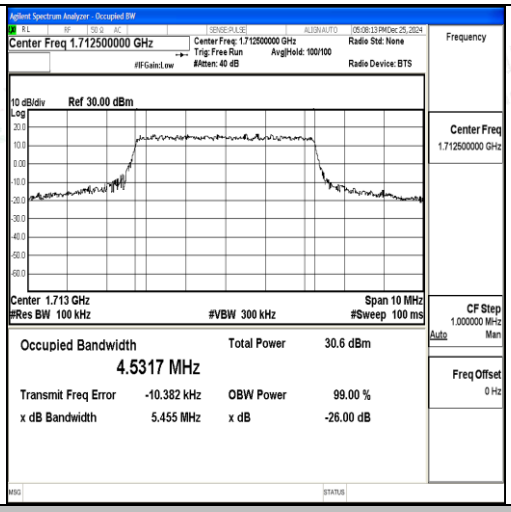
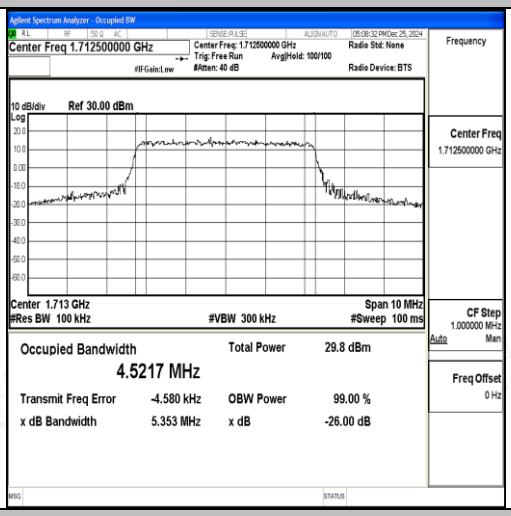



Band4-5MHz-QPSK-19975-25RB#0-PASS

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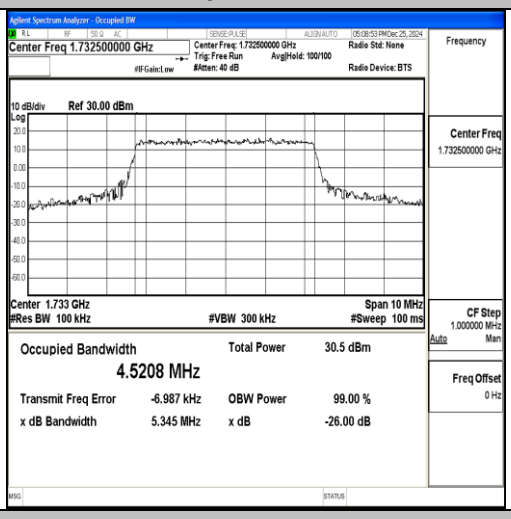
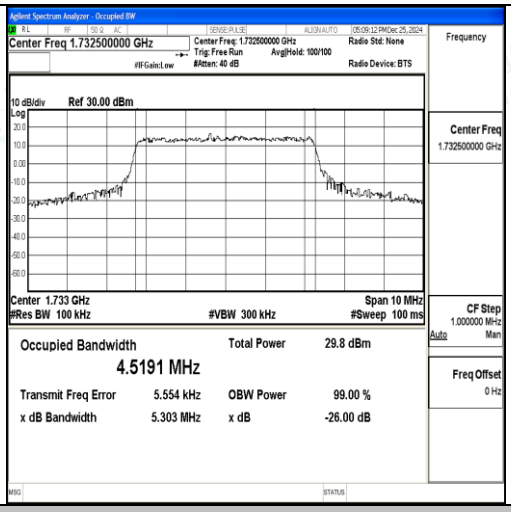
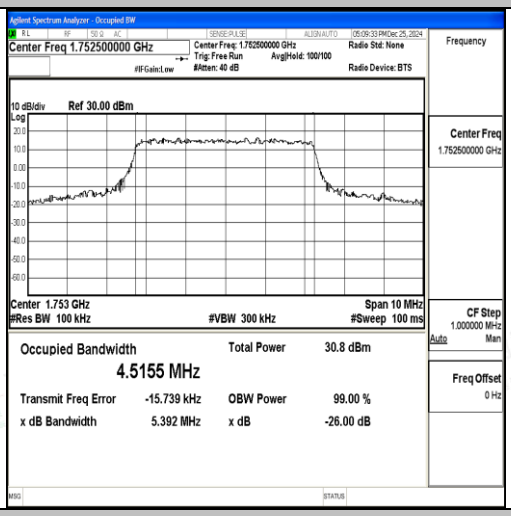


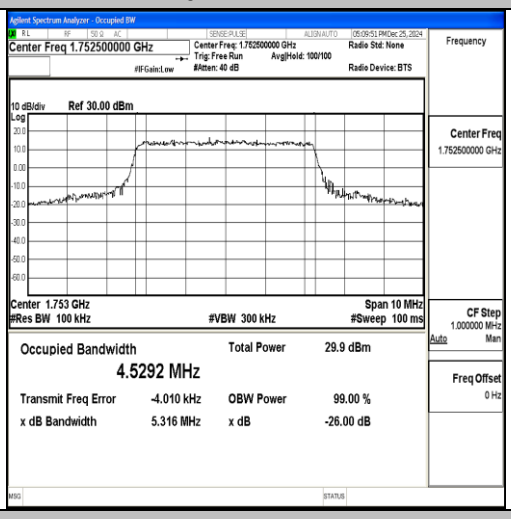

Band4-5MHz-QPSK-20175-25RB#0-PASS



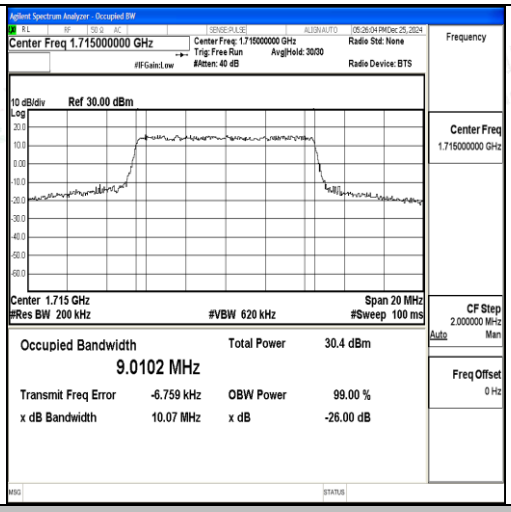

Band4-5MHz-16QAM-20175-25RB#0-PASS



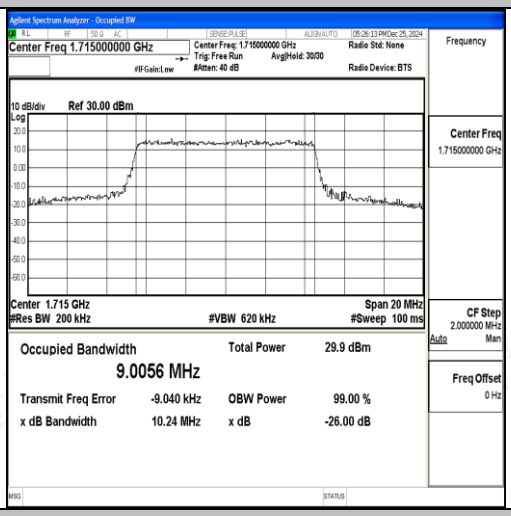

Band4-5MHz-QPSK-20375-25RB#0-PASS




Band4-5MHz-16QAM-20375-25RB#0-PASS




Band4-10MHz-QPSK-20000-50RB#0-PASS

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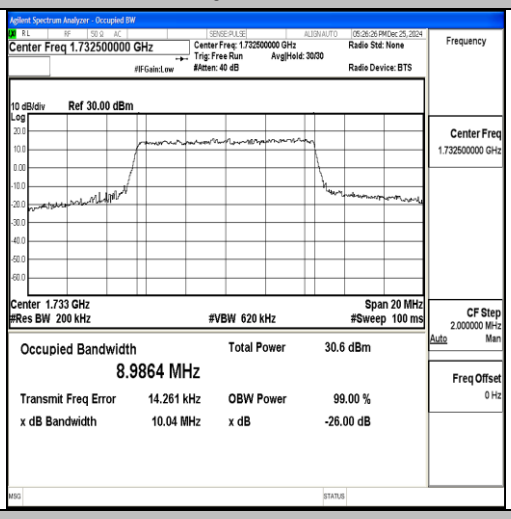
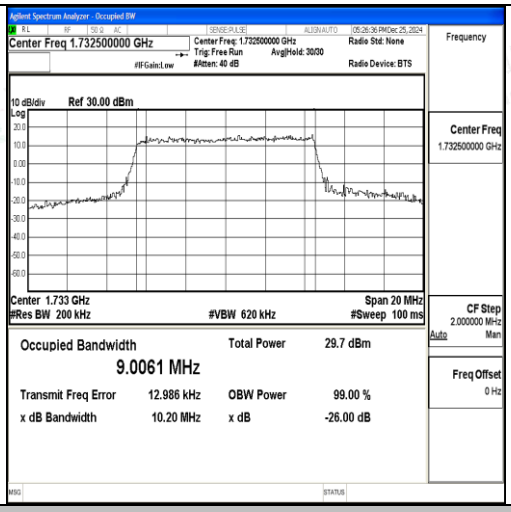
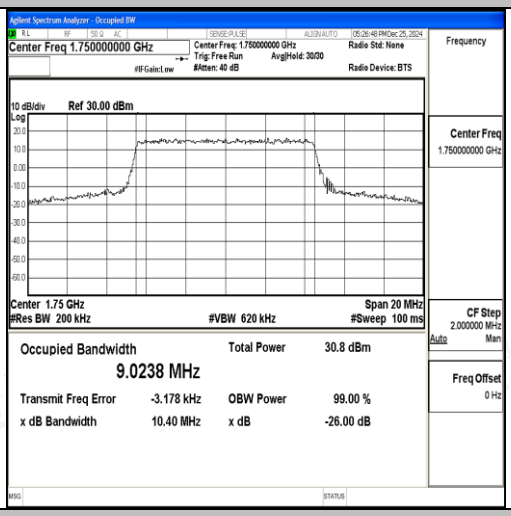


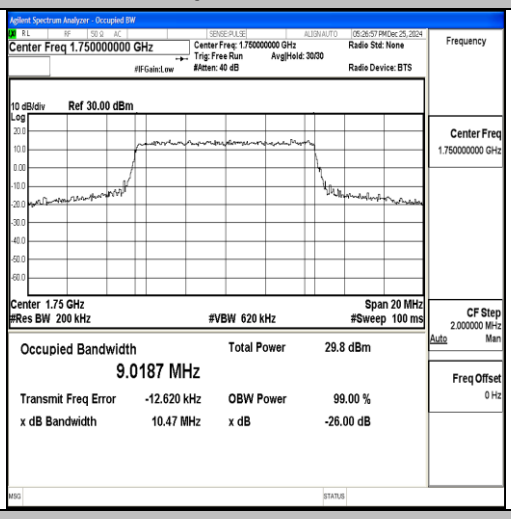

Band4-10MHz-QPSK-20175-50RB#0-PASS



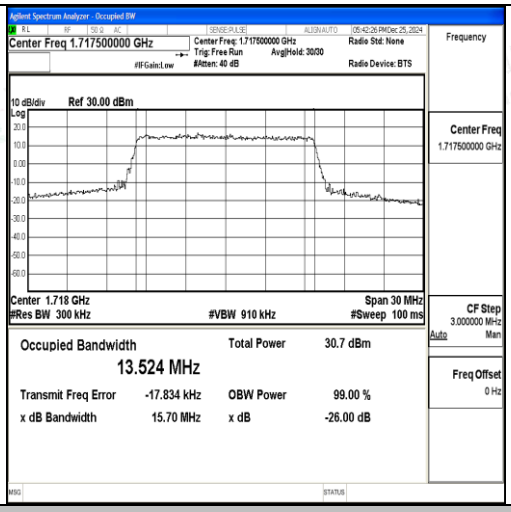

Band4-10MHz-16QAM-20175-50RB#0-PASS



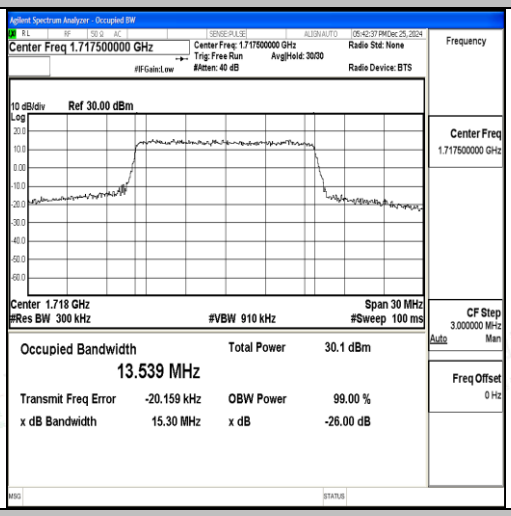

Band4-10MHz-QPSK-20350-50RB#0-PASS



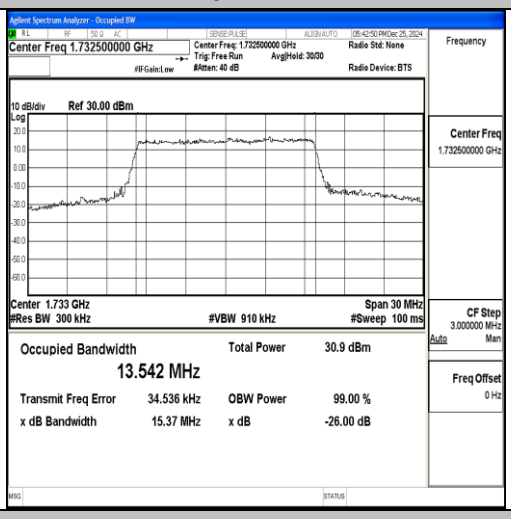

Band4-10MHz-16QAM-20350-50RB#0-PASS



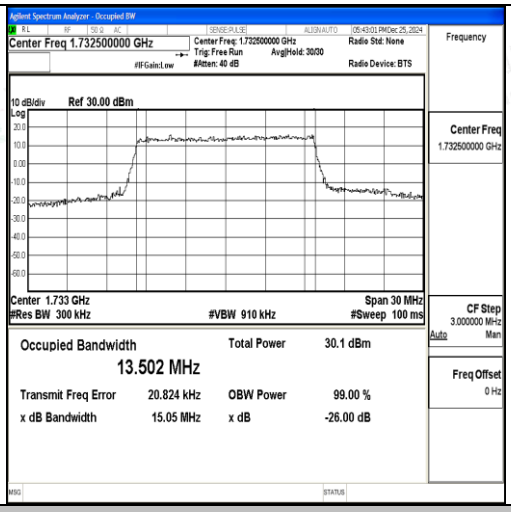

Band4-15MHz-QPSK-20025-75RB#0-PASS




Band4-15MHz-16QAM-20025-75RB#0-PASS




Band4-15MHz-QPSK-20175-75RB#0-PASS

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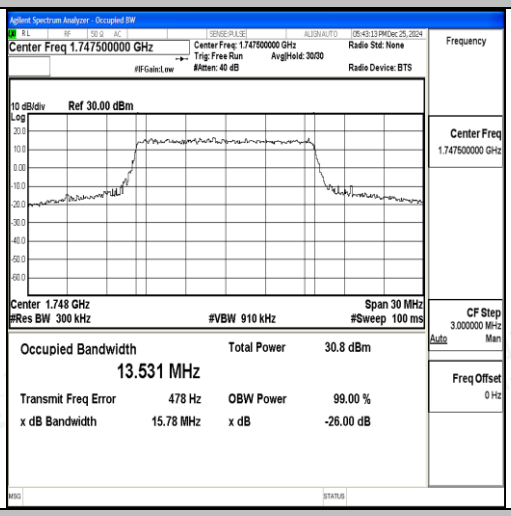
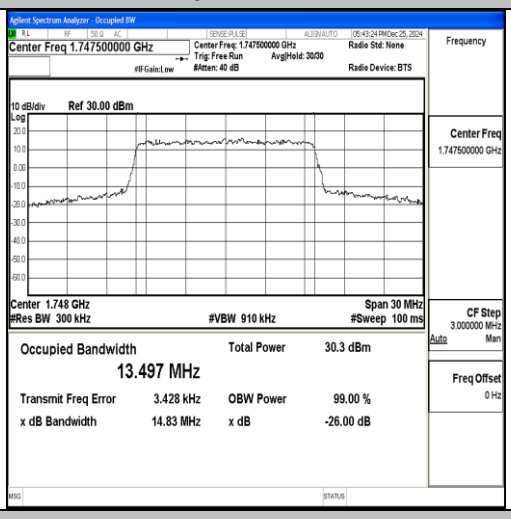



Band4-15MHz-QPSK-20325-75RB#0-PASS

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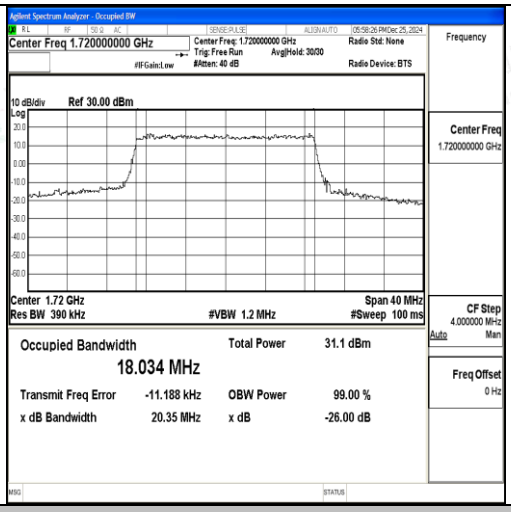
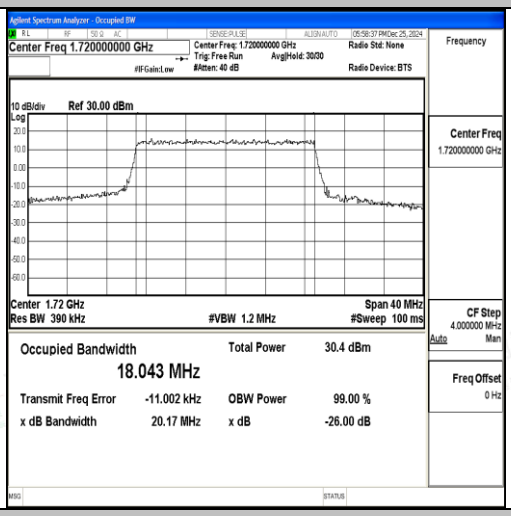



Band4-20MHz-QPSK-20050-100RB#0-PASS

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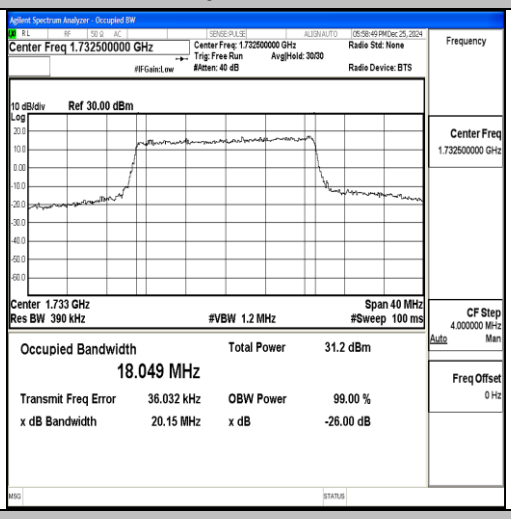


Band4-20MHz-QPSK-20175-100RB#0-PASS