# FCC LTE Band Test Data

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|---|---|---|
| **FCC ID** | **:** | **2BG5S-CLM920HE9NA** |
| **Company:** | **:** | **Shanghai Yuge information technology Co., Ltd.** |
| **EUT** | **:** | **4G LTE Wireless Communication Module** |
| **Model Number** | **:** | **CLM920 HE9 NA** |
| **Reviewed By** | **:** | **Eric Wang** |

# Appendix A: Conducted Power Output Data

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | 22.71 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#2 | 22.97 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#5 | 23.04 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#0 | 22.79 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#1 | 22.77 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#3 | 22.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 21.98 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | 22.61 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#2 | 22.34 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#5 | 22.27 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#0 | 22.40 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#1 | 22.36 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#3 | 22.21 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 21.41 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | 22.79 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#2 | 22.17 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#5 | 21.96 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#0 | 22.34 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#1 | 22.29 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#3 | 21.92 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 21.31 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 21.73 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2 | 22.06 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | 22.13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0 | 21.73 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1 | 21.75 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3 | 21.90 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 21.13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 21.56 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2 | 21.43 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5 | 21.36 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0 | 21.34 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1 | 21.33 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3 | 21.21 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 20.57 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 21.72 | PASS |

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|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2 | 21.36 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | 21.08 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0 | 21.31 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1 | 21.28 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3 | 20.90 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 20.49 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | 22.53 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#8 | 22.82 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#14 | 22.54 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#0 | 21.68 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#4 | 21.71 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#7 | 21.80 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 21.77 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | 22.21 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#8 | 22.07 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#14 | 22.12 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#0 | 21.11 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#4 | 21.14 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#7 | 21.14 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 21.13 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | 22.94 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#8 | 22.08 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#14 | 21.34 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#0 | 21.57 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#4 | 21.60 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#7 | 20.91 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 21.21 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 21.55 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8 | 21.92 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 21.63 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0 | 20.95 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4 | 20.95 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7 | 21.01 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 20.92 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 21.09 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8 | 21.04 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 21.07 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0 | 20.35 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4 | 20.36 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7 | 20.37 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 20.27 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 21.83 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8 | 21.19 | PASS |

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|---|---|---|---|---|---|---|
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 20.51 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0 | 20.81 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4 | 20.81 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7 | 20.13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 20.43 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | 22.68 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#12 | 22.72 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#24 | 22.50 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#0 | 21.69 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#6 | 21.72 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#13 | 21.58 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 21.64 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | 22.26 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#12 | 22.05 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#24 | 22.48 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#0 | 21.06 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#6 | 21.08 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#13 | 21.20 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 21.12 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | 23.25 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#12 | 22.75 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#24 | 21.61 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#0 | 21.87 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#6 | 21.90 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#13 | 21.02 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 21.58 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 21.69 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12 | 21.76 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24 | 21.47 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0 | 20.83 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6 | 20.84 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 20.71 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 20.82 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 21.33 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12 | 21.23 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24 | 21.59 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0 | 20.33 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6 | 20.33 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 20.43 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 20.27 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | 22.09 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12 | 21.78 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24 | 20.59 | PASS |

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|---|---|---|---|---|---|---|
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0 | 21.06 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6 | 21.05 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 20.28 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 20.74 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | 22.62 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#24 | 22.45 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#49 | 22.04 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#0 | 21.56 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#12 | 21.60 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#25 | 21.05 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 21.41 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | 22.60 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#24 | 22.06 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#49 | 22.94 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#0 | 21.11 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#12 | 21.12 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#25 | 21.31 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 21.41 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | 22.28 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#24 | 22.92 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#49 | 21.63 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#0 | 21.21 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#12 | 21.24 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#25 | 21.50 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 21.73 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 21.74 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24 | 21.50 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | 21.10 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0 | 20.72 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 20.72 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 20.18 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 21.51 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24 | 20.98 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49 | 21.82 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0 | 20.29 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 20.29 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 20.52 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 21.24 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24 | 21.99 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | 20.75 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0 | 20.40 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 20.40 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 20.64 | PASS |

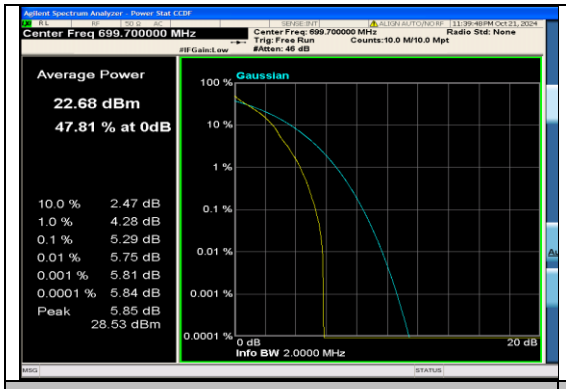
# Appendix B: Peak-to-Average Ratio(CCDF)

## Test Result

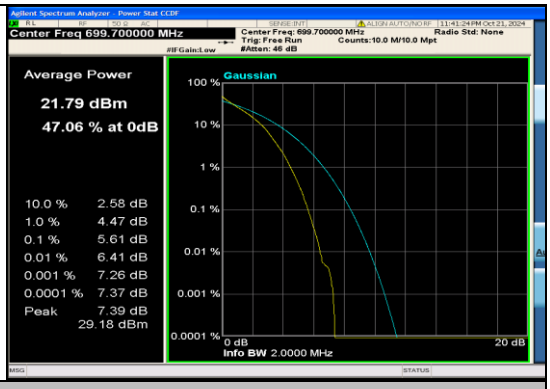
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | 5.29 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 5.61 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | 5.71 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 5.87 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | 5.37 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 5.77 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 6.17 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 6.34 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 6.55 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 6.62 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 6.22 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 6.50 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | 5.39 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 5.63 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | 5.71 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 5.94 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | 5.07 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 5.71 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 6.24 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 6.37 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 6.21 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 6.61 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 5.87 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 6.44 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | 5.37 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 5.64 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | 5.65 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 5.83 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | 5.21 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 5.60 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 5.77 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 6.27 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 6.19 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 6.46 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | 5.67 | 13 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 6.23 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | 5.18 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 5.62 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | 5.13 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 5.69 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | 5.59 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 5.49 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 6.04 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 5.77 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 6.41 | 13 | PASS |

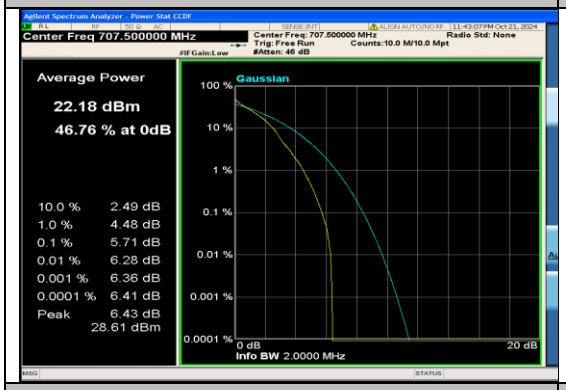
## Test Graphs



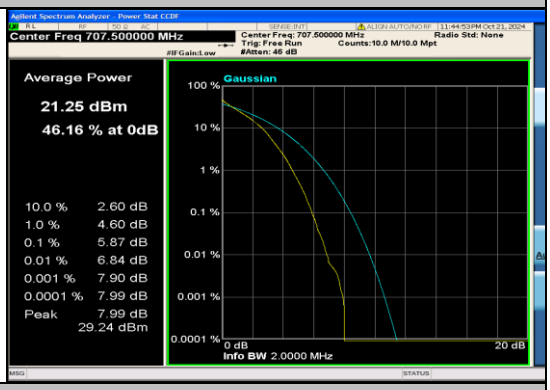

Band12-1.4MHz-QPSK-23017-1RB#0-PASS



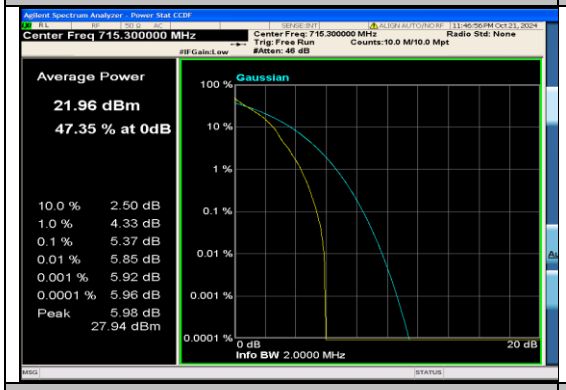

Band12-1.4MHz-QPSK-23017-6RB#0-PASS



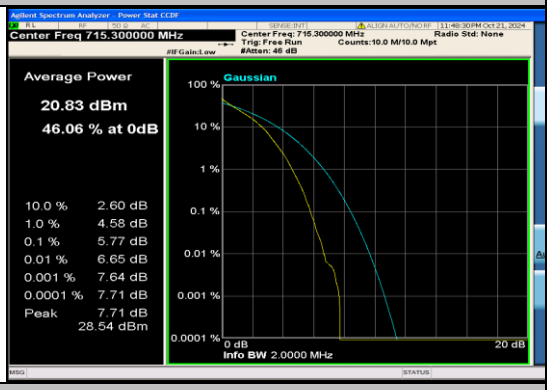

Band12-1.4MHz-QPSK-23095-1RB#0-PASS



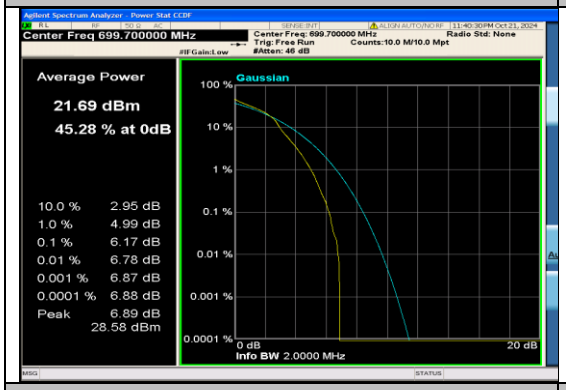

Band12-1.4MHz-QPSK-23095-6RB#0-PASS



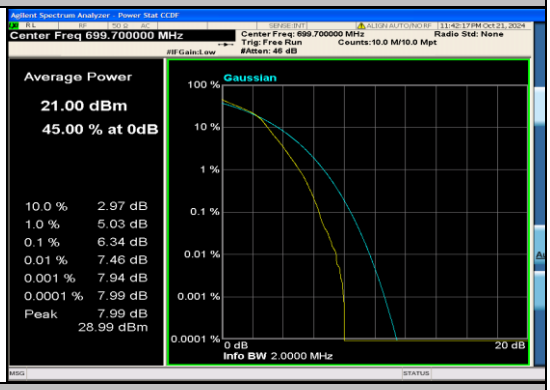

Band12-1.4MHz-QPSK-23173-1RB#0-PASS



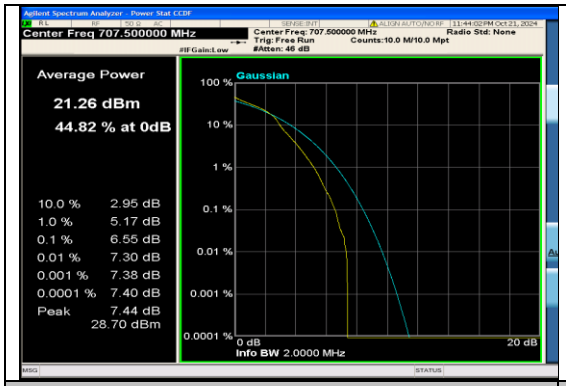

Band12-1.4MHz-QPSK-23173-6RB#0-PASS



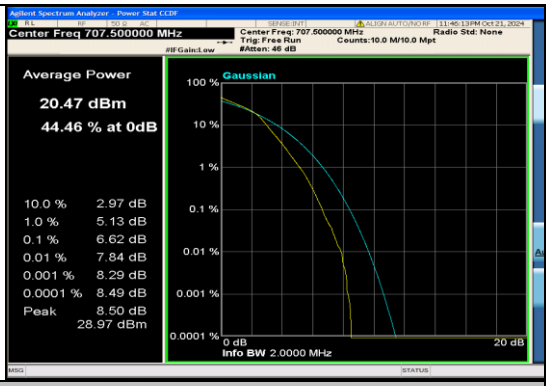

Band12-1.4MHz-16QAM-23017-1RB#0-PASS



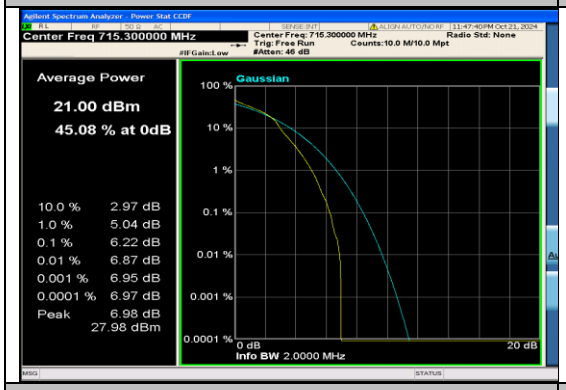

Band12-1.4MHz-16QAM-23017-6RB#0-PASS




Band12-1.4MHz-16QAM-23095-1RB#0-PASS




Band12-1.4MHz-16QAM-23095-6RB#0-PASS

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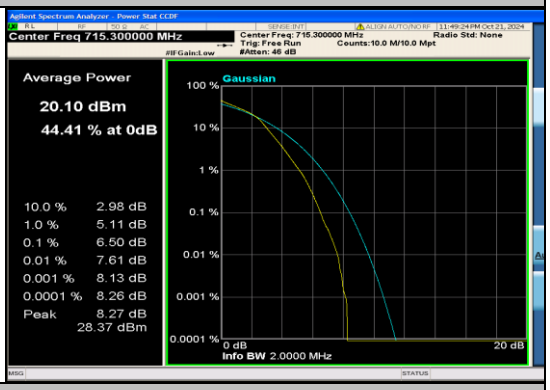


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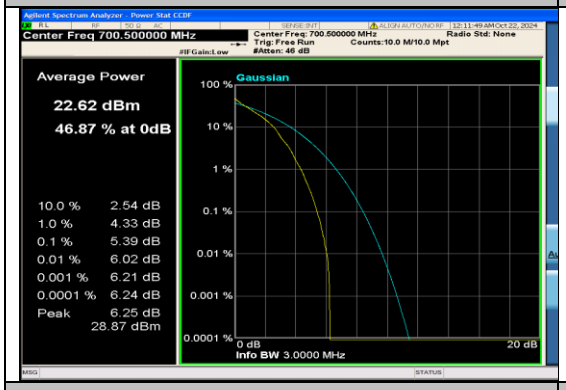


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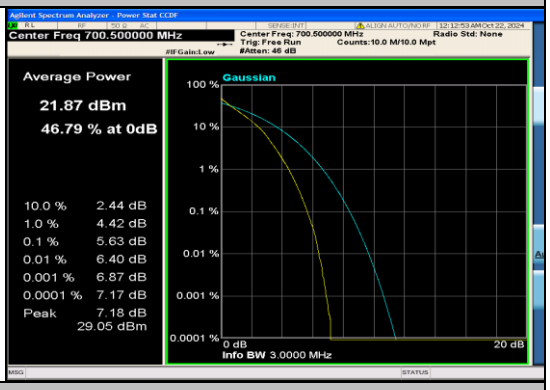


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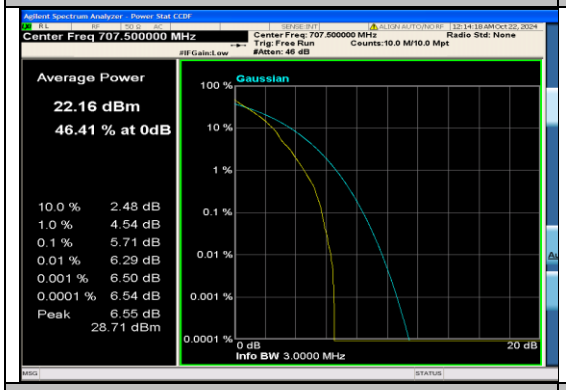


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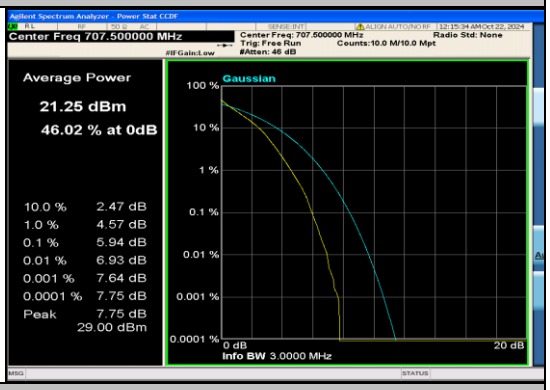


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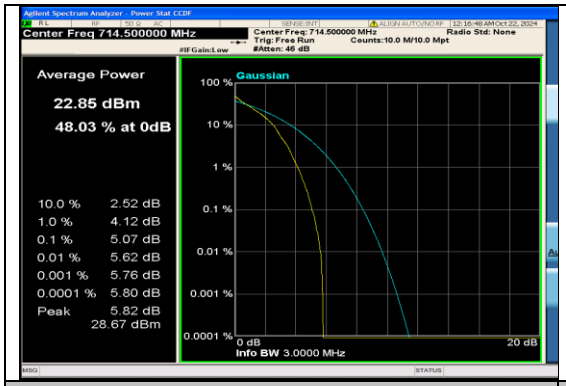


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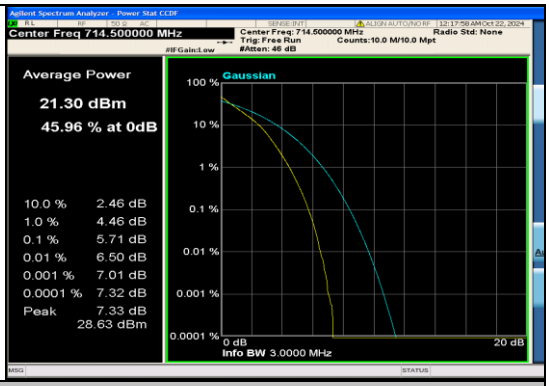


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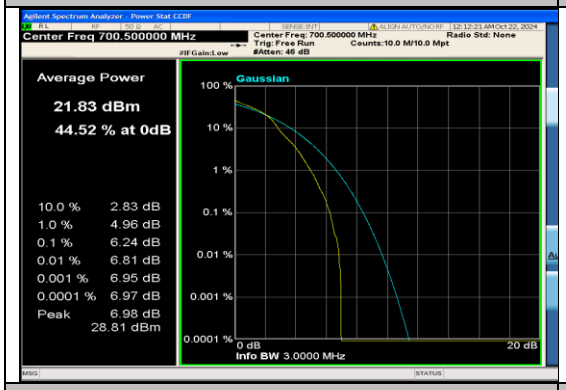


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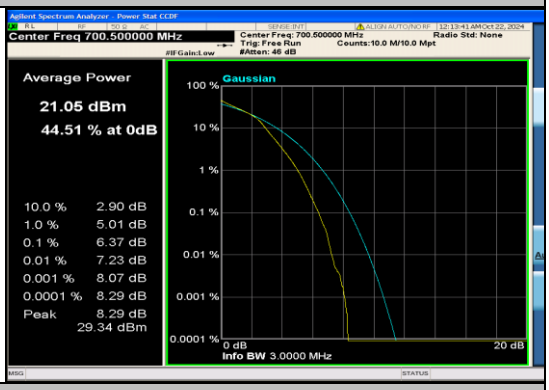


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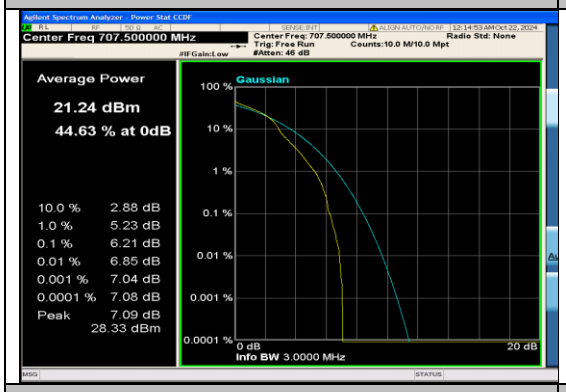


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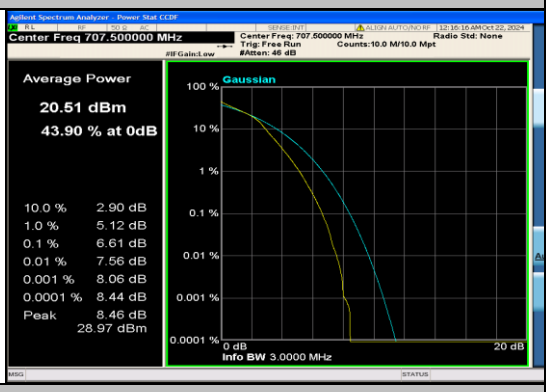


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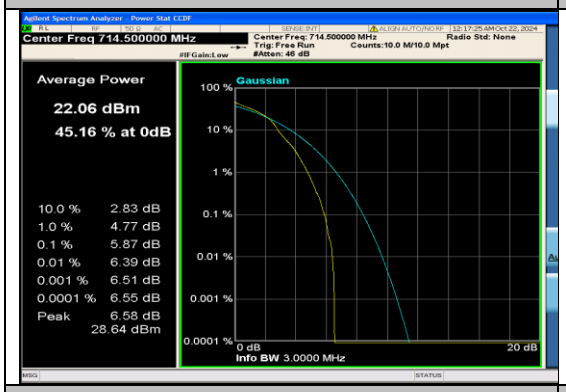


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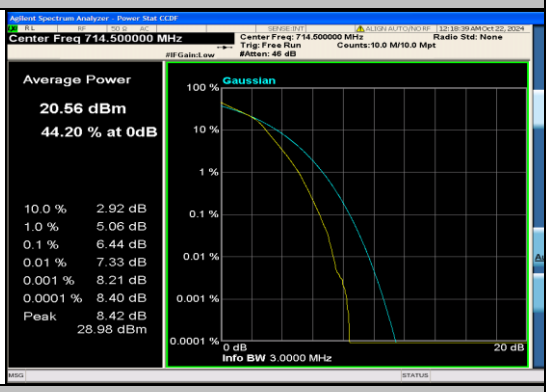


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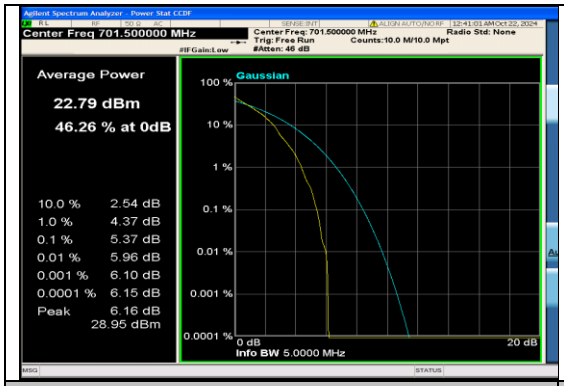


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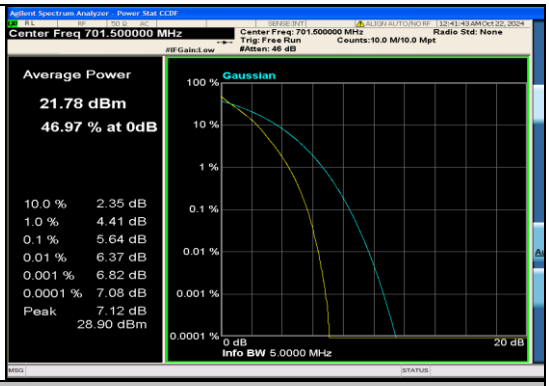


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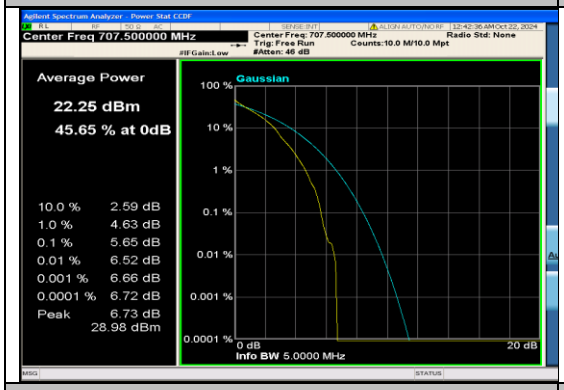


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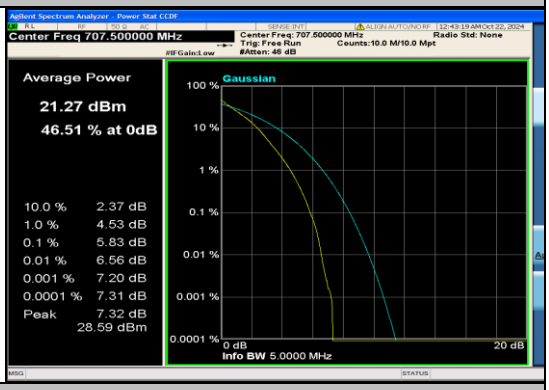


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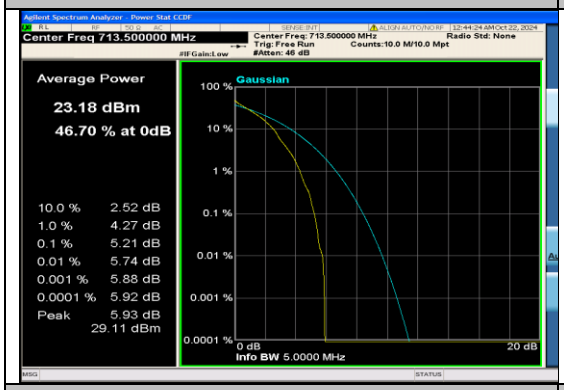


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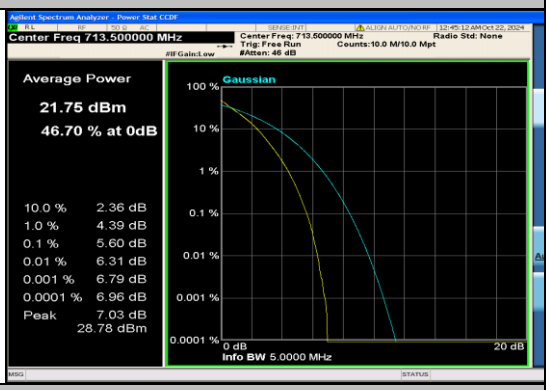


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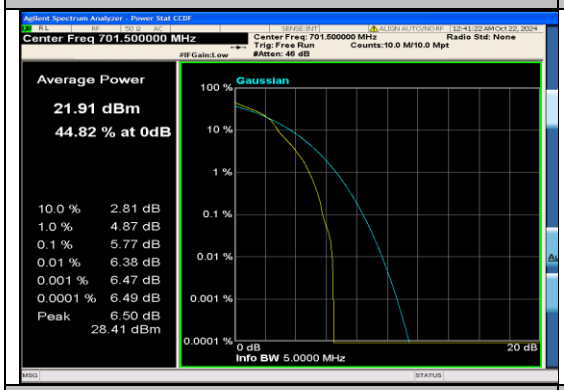


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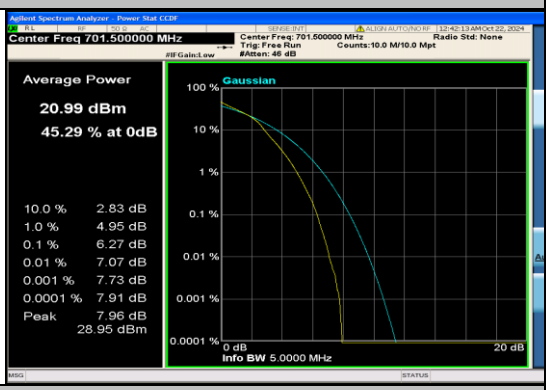


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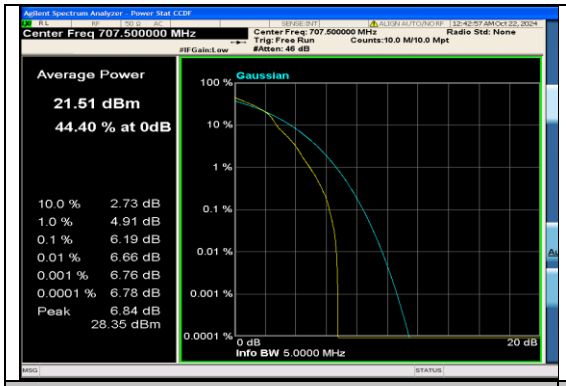


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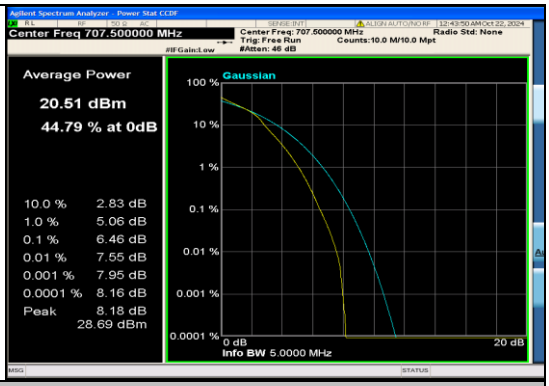


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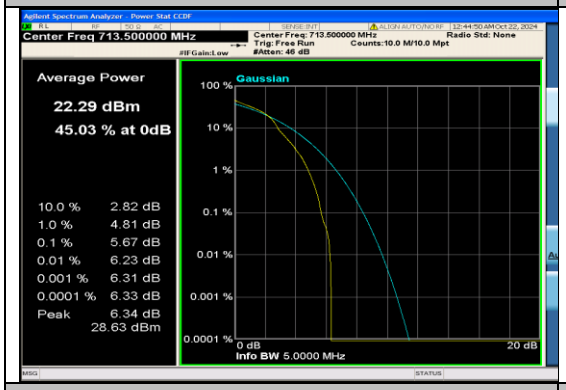


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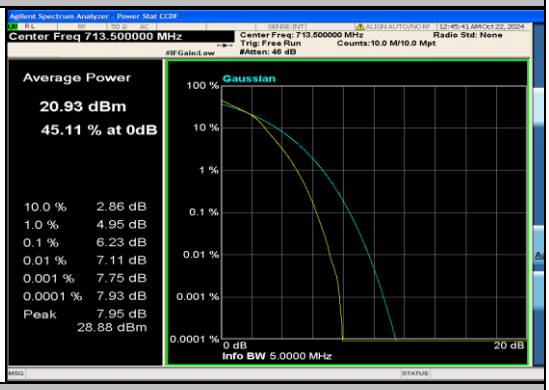


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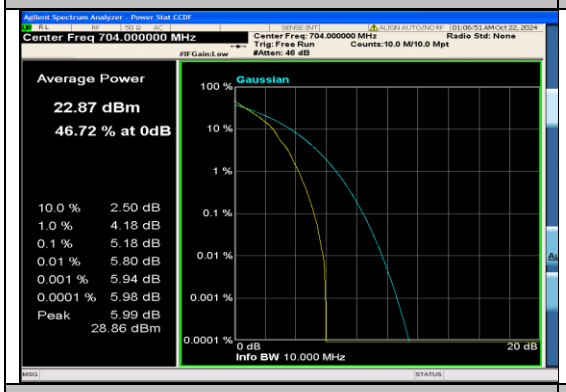


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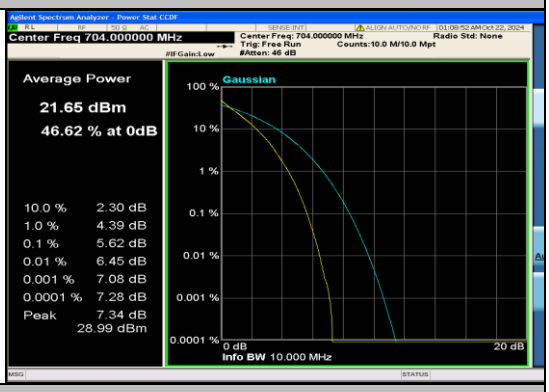


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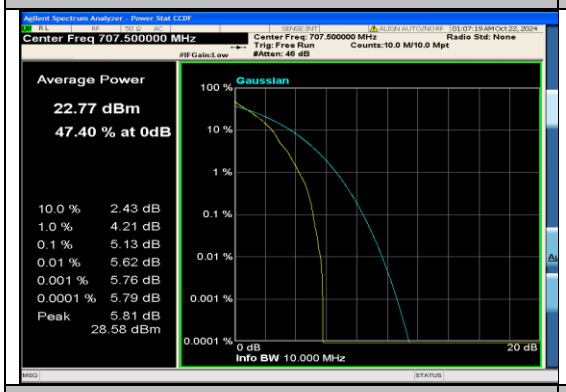


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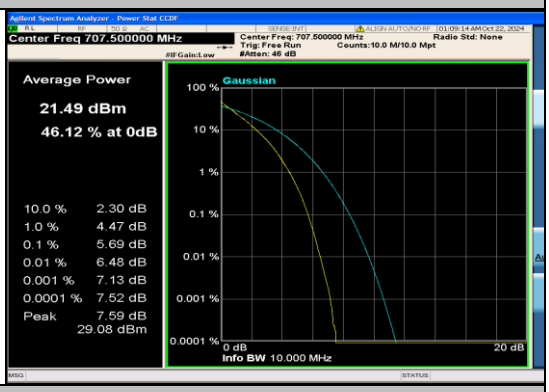


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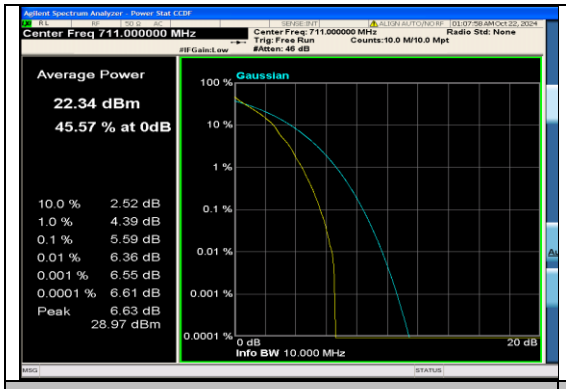
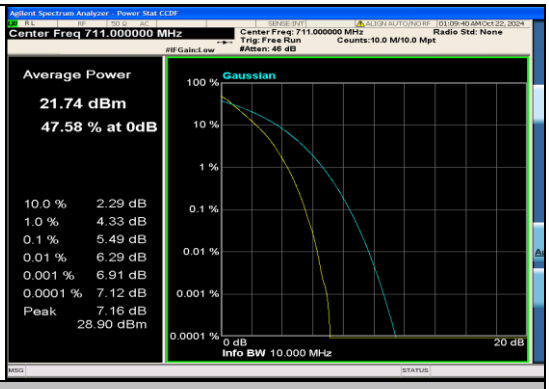



Band12-10MHz-QPSK-23130-1RB#0-PASS

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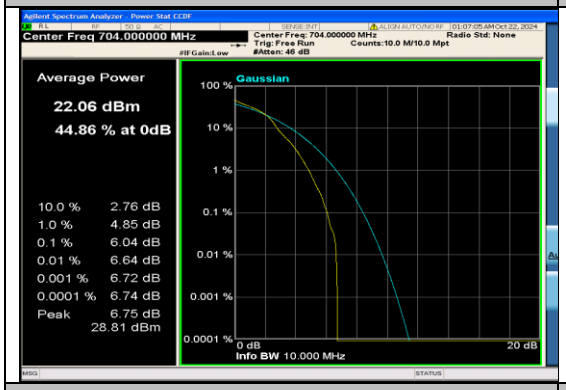
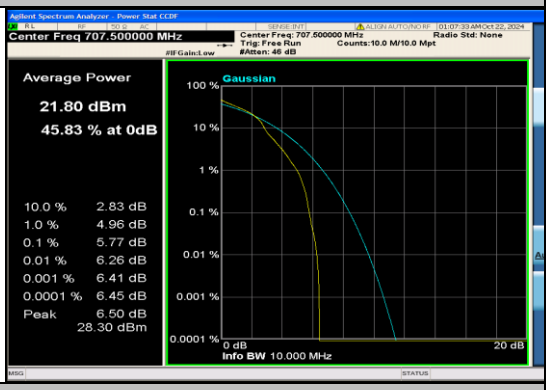



Band12-10MHz-16QAM-23060-1RB#0-PASS

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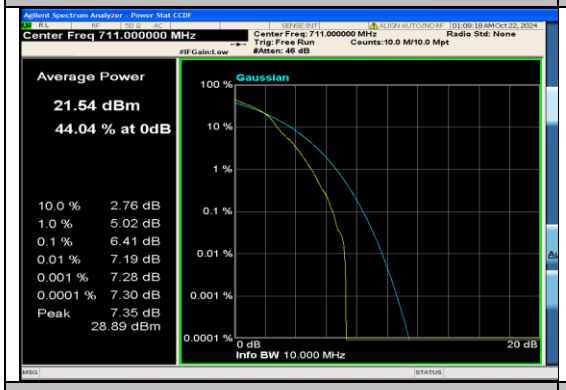


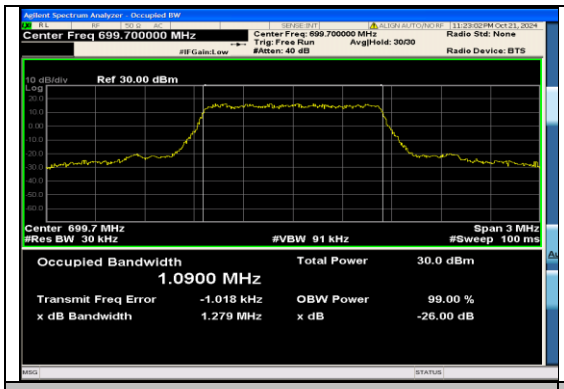

Band12-10MHz-16QAM-23130-1RB#0-PASS

# Appendix C: 26dB Bandwidth and Occupied Bandwidth

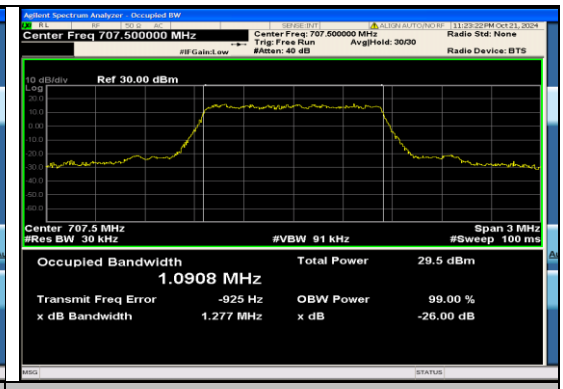
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 1.0900 | 1.279 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 1.0908 | 1.277 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 1.0924 | 1.268 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 1.0957 | 1.285 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 1.0979 | 1.278 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 1.0960 | 1.279 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 2.6946 | 2.917 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 2.6969 | 2.942 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 2.6968 | 2.929 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 2.6866 | 2.911 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 2.6895 | 2.944 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 2.6878 | 2.916 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 4.4957 | 4.974 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 4.4950 | 4.959 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 4.4978 | 4.971 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 4.4923 | 4.946 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 4.5008 | 4.982 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 4.4903 | 4.926 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 8.9622 | 9.773 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 8.9916 | 9.749 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 8.9442 | 9.728 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 27RB#0 | 4.9613 | 5.651 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 27RB#0 | 4.9750 | 5.717 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 27RB#0 | 4.9434 | 5.670 | PASS |

## Test Graphs




Band12-1.4MHz-QPSK-23017-6RB#0-PASS

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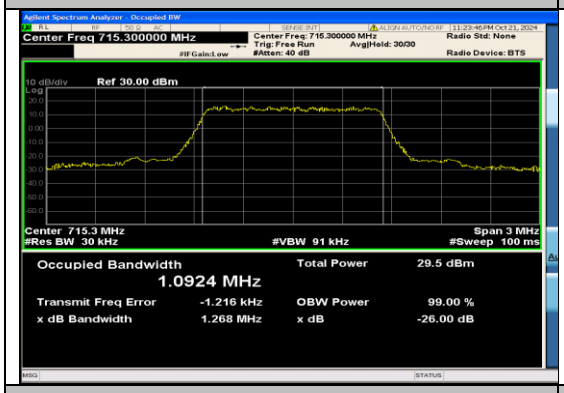


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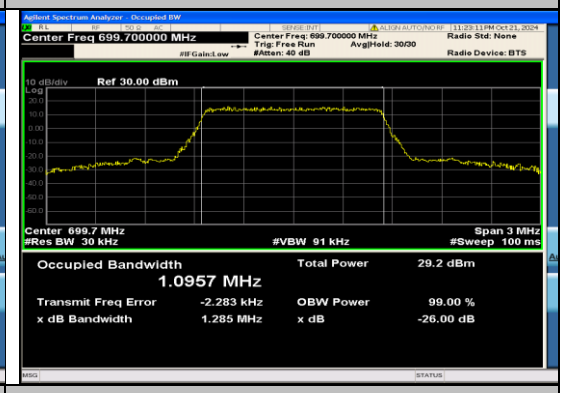


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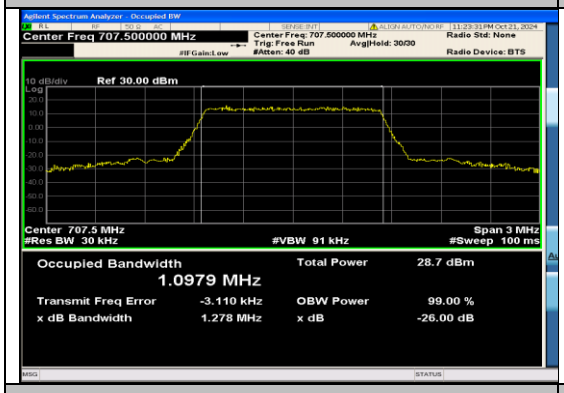


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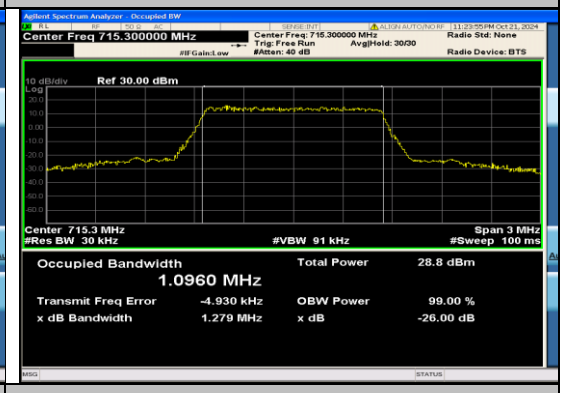


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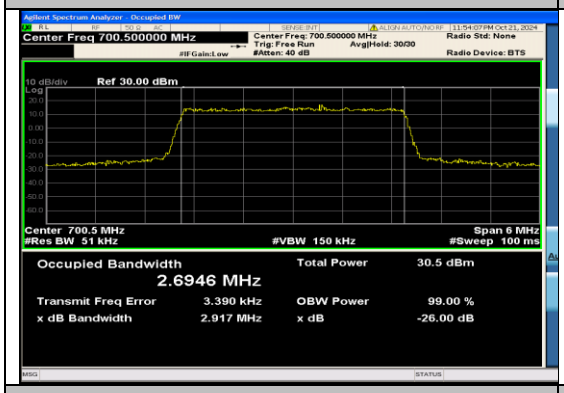
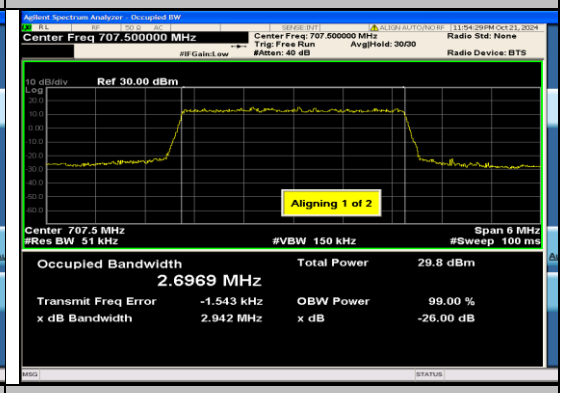



Band12-3MHz-QPSK-23025-15RB#0-PASS

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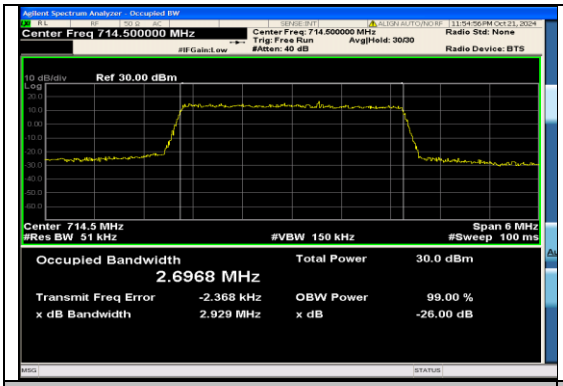
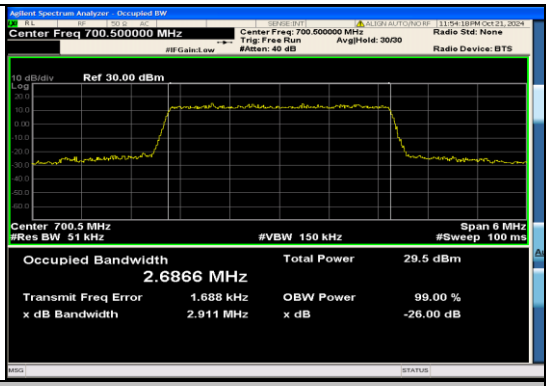



Band12-3MHz-QPSK-23165-15RB#0-PASS

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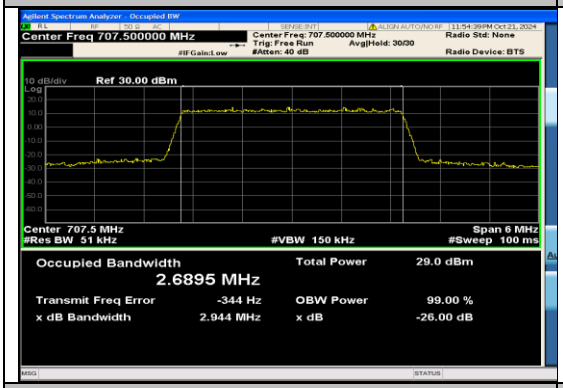


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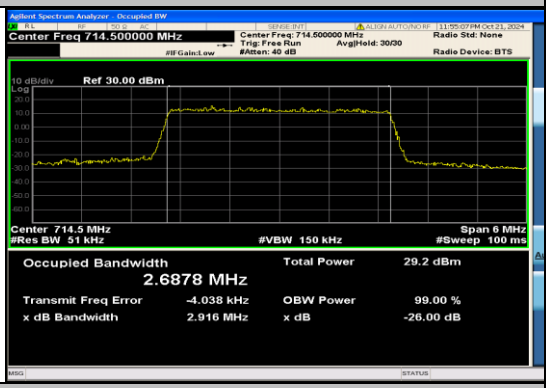


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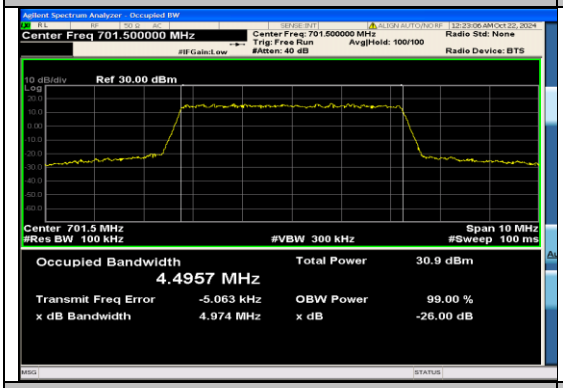
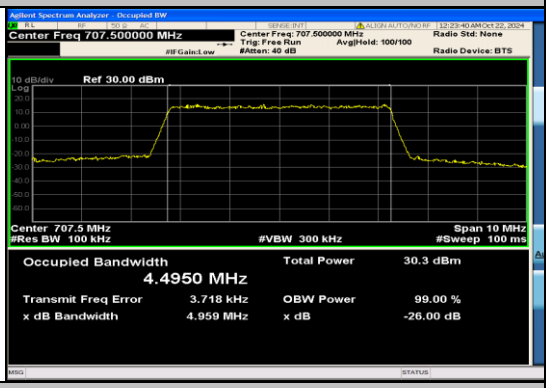



Band12-5MHz-QPSK-23035-25RB#0-PASS

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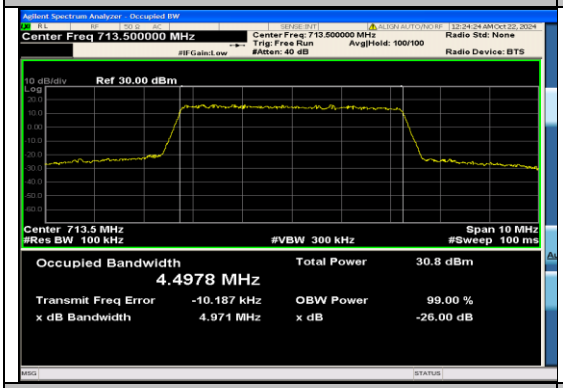


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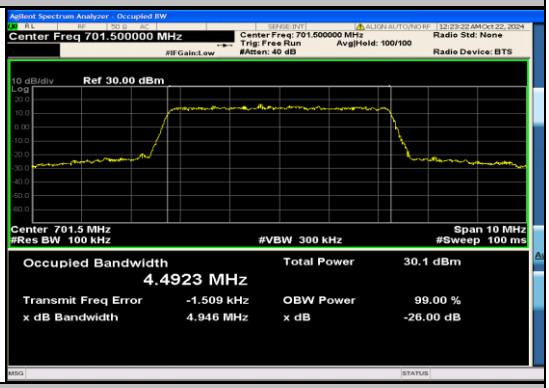


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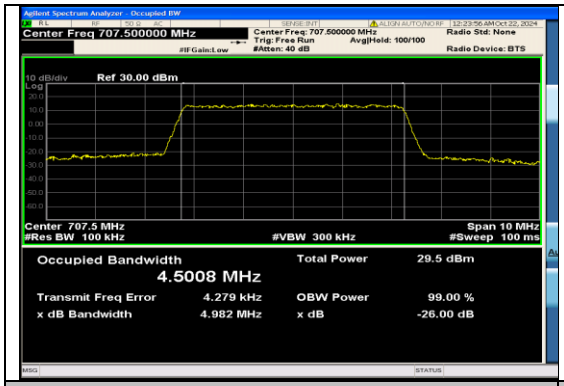


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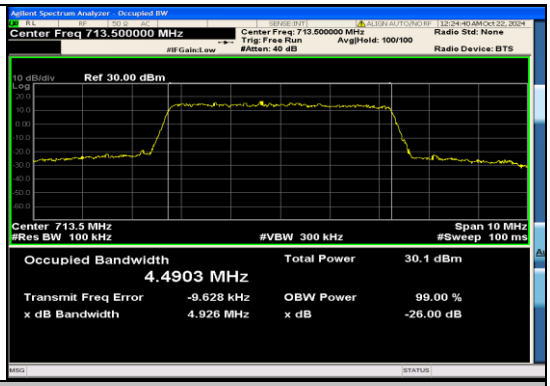


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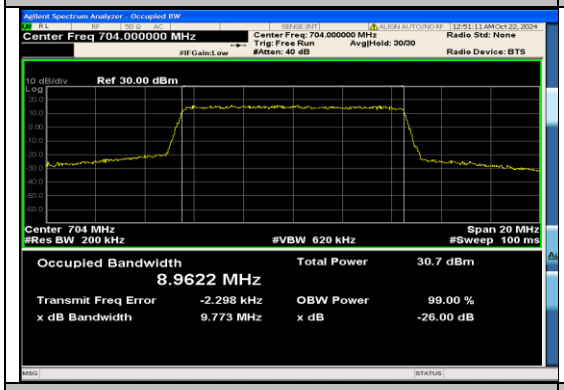


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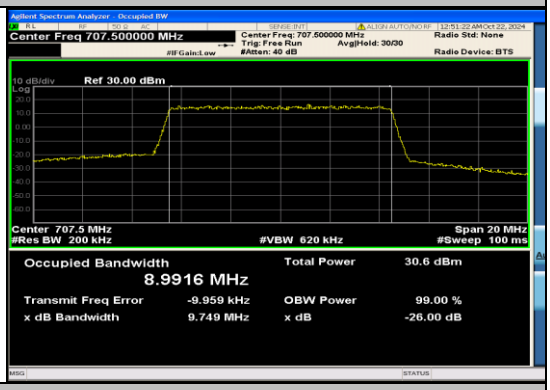
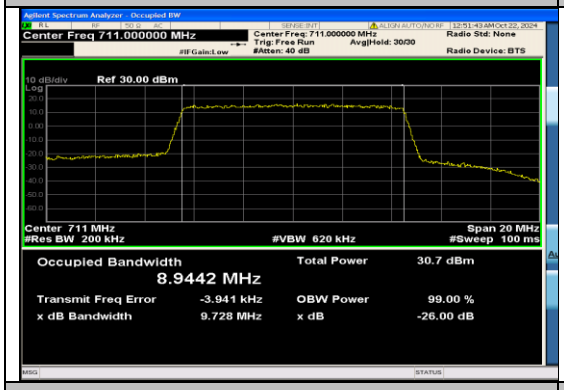
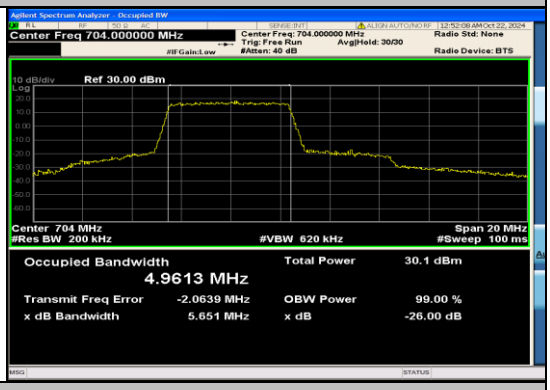


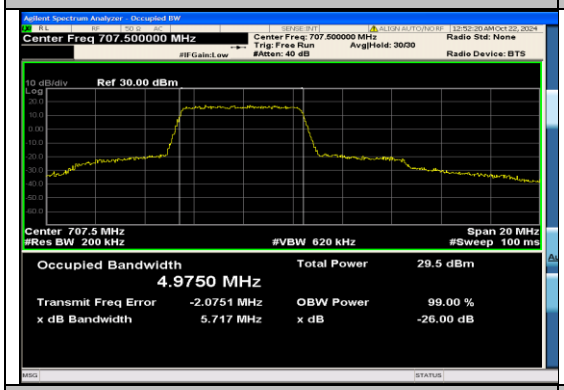

Band12-10MHz-QPSK-23095-50RB#0-PASS



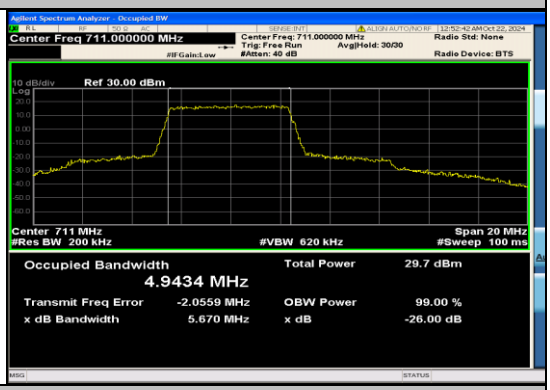

Band12-10MHz-QPSK-23130-50RB#0-PASS




Band12-10MHz-16QAM-23060-27RB#0-PASS




Band12-10MHz-16QAM-23095-27RB#0-PASS




Band12-10MHz-16QAM-23130-27RB#0-PASS

# Appendix D: Band Edge

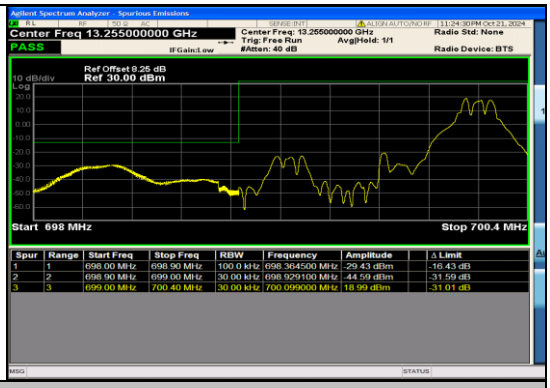
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | -26.04 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#5 | -29.43 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | -28.32 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | -31.25 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#5 | -28.21 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | -30.06 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | -27.59 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | -30.53 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | -28.59 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | -32.49 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | -28.55 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | -29.86 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | -23.80 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#14 | -37.63 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | -30.89 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | -38.49 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#14 | -25.12 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | -33.06 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | -25.29 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | -37.12 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | -31.61 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | -38.12 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | -27.48 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | -33.69 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | -26.14 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#24 | -47.91 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | -32.60 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | -47.81 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#24 | -27.54 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | -34.60 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | -27.37 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24 | -48.45 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | -33.93 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | -48.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24 | -27.57 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | -35.60 | PASS |

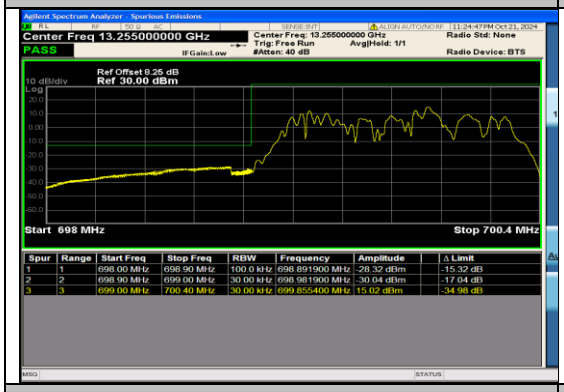
| | | | | | | |
|---|---|---|---|---|---|---|
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | -33.68 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#49 | -46.16 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | -35.20 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | -48.38 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#49 | -34.55 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | -38.72 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | -34.83 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | -47.16 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | -48.49 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | -34.33 | PASS |

## Test Graphs

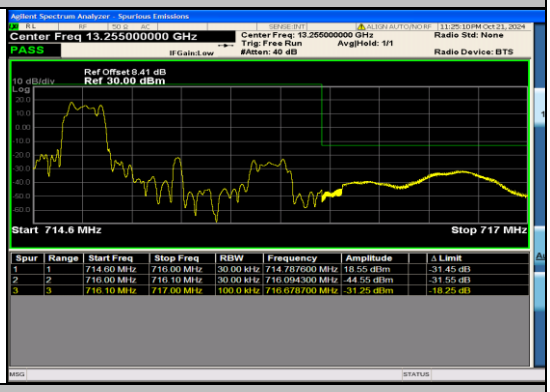
Band12_1.4MHz_QPSK_23017_1RB#0




Band12_1.4MHz_QPSK_23017_1RB#5



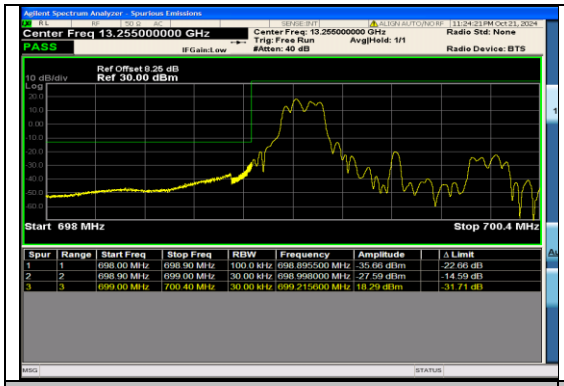

Band12_1.4MHz_QPSK_23017_6RB#0




Band12_1.4MHz_QPSK_23173_1RB#0

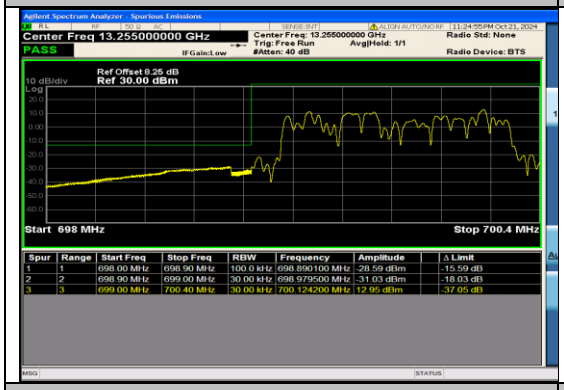
Band12_1.4MHz_QPSK_23173_1RB#5

Band12_1.4MHz_QPSK_23173_6RB#0




Band12_1.4MHz_16QAM_23017_1RB#0

Band12_1.4MHz_16QAM_23017_1RB#5



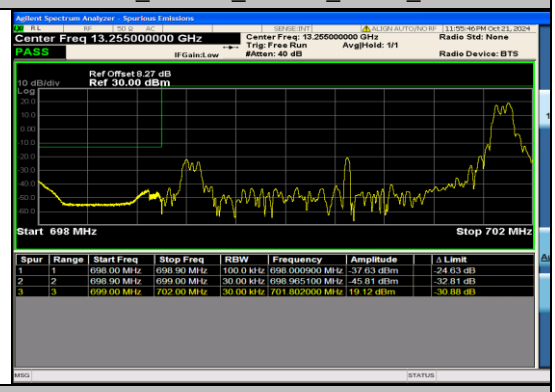

Band12_1.4MHz_16QAM_23017_6RB#0

Band12_1.4MHz_16QAM_23173_1RB#0

Band12_1.4MHz_16QAM_23173_1RB#5

Band12_1.4MHz_16QAM_23173_6RB#0

Band12_3MHz_QPSK_23025_1RB#0

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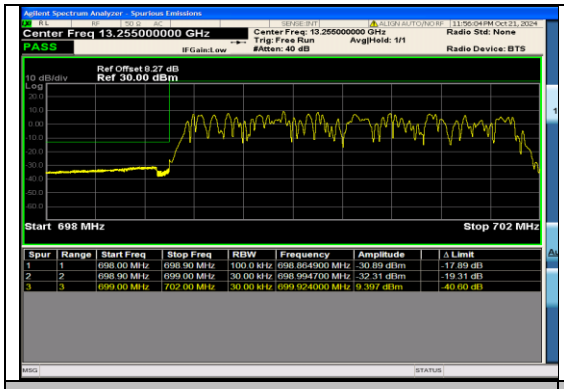


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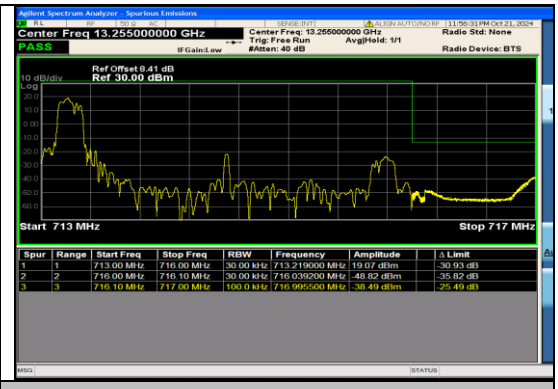


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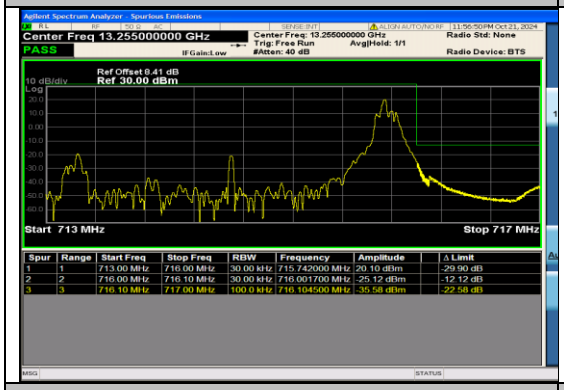
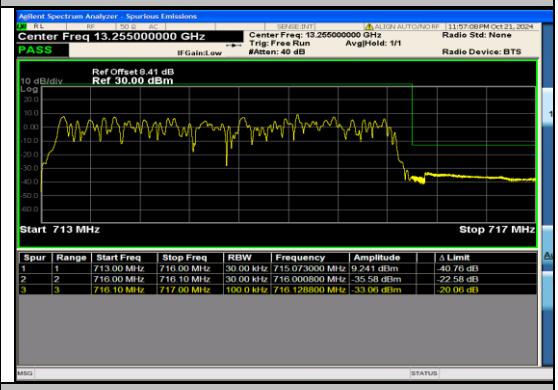
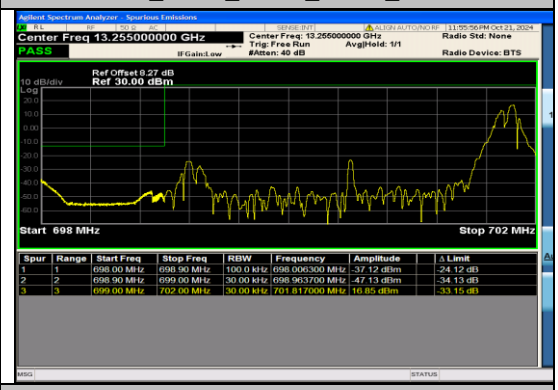



Band12_3MHz_QPSK_23165_1RB#14




Band12_3MHz_QPSK_23165_15RB#0

Band12_3MHz_16QAM_23025_1RB#0

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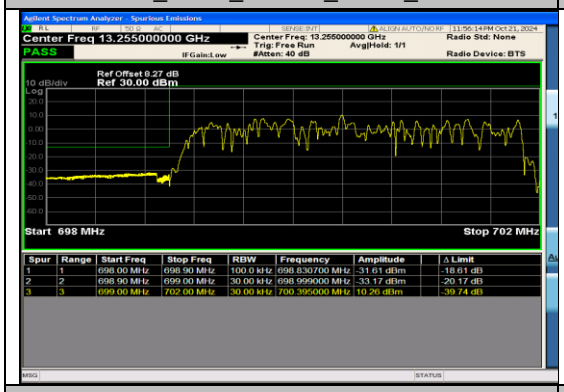


Band12_3MHz_16QAM_23025_15RB#0

Band12_3MHz_16QAM_23165_1RB#0