# Appendix for LTE Band 12

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# Appendix A: Effective (Isotropic) Radiated Power Output Data

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | 22.09 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#2 | 22.89 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#5 | 22.84 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#0 | 22.00 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#1 | 22.97 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#3 | 22.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 21.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | 22.93 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#2 | 22.08 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#5 | 22.12 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#0 | 22.98 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#1 | 22.98 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#3 | 22.07 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 21.91 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | 22.63 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#2 | 22.81 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#5 | 22.90 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#0 | 22.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#1 | 22.79 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#3 | 22.85 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 22.65 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 22.20 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2 | 22.11 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | 21.88 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0 | 21.46 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1 | 21.48 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3 | 21.25 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 21.82 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 21.45 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2 | 21.60 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5 | 21.73 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0 | 21.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1 | 21.74 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3 | 21.82 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 21.99 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 22.05 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2 | 22.30 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | 22.28 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0 | 22.27 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1 | 22.25 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3 | 22.48 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 22.26 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | 22.23 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#8 | 22.90 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#14 | 22.70 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#0 | 21.89 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#4 | 21.88 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#7 | 21.59 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 21.69 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | 22.65 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#8 | 22.05 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#14 | 22.35 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#0 | 21.68 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#4 | 21.74 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#7 | 21.95 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 21.84 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | 22.11 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#8 | 22.65 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#14 | 22.89 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#0 | 22.16 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#4 | 22.28 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#7 | 22.65 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 22.41 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 21.74 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8 | 21.35 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 21.11 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0 | 21.97 | PASS |

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|---|---|---|---|---|---|---|
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4 | 21.90 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7 | 21.32 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 21.44 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 22.07 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8 | 22.37 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 22.65 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0 | 21.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4 | 21.75 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7 | 21.16 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 21.04 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 22.55 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8 | 22.55 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 22.34 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0 | 22.47 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4 | 22.46 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7 | 22.38 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 22.36 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | 22.23 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#12 | 22.14 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#24 | 22.15 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#0 | 21.95 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#6 | 21.94 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#13 | 21.47 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 21.59 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | 22.67 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#12 | 22.03 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#24 | 22.17 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#0 | 21.63 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#6 | 21.71 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#13 | 22.17 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 22.00 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | 22.56 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#12 | 22.50 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#24 | 22.09 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#0 | 22.43 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#6 | 22.42 | PASS |

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|---|---|---|---|---|---|---|
| Band12 | 5MHz | QPSK | 23155 | 12RB#13 | 22.64 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 22.25 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 21.78 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12 | 21.22 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24 | 21.23 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0 | 21.84 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6 | 21.83 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.97 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 22.00 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 21.12 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12 | 21.51 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24 | 22.30 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0 | 21.58 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6 | 21.49 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.39 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 21.05 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | 22.44 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12 | 22.27 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24 | 22.41 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0 | 22.27 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6 | 22.25 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 22.05 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 22.17 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | 22.14 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#24 | 22.55 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#49 | 22.31 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#0 | 21.44 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#12 | 21.50 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#25 | 21.70 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 21.53 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | 22.30 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#24 | 22.16 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#49 | 22.35 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#0 | 21.59 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#12 | 21.63 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#25 | 22.17 | PASS |

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|---|---|---|---|---|---|---|
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 22.13 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | 22.67 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#24 | 22.04 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#49 | 22.72 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#0 | 22.43 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#12 | 22.42 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#25 | 22.07 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 22.44 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 21.38 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24 | 21.84 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | 21.56 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0 | 21.20 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.20 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.58 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 21.61 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 21.36 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24 | 21.93 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49 | 22.55 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0 | 21.60 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.43 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 21.72 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 21.17 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 21.26 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24 | 22.71 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | 22.40 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0 | 21.24 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.32 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 22.60 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 22.36 | PASS |

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

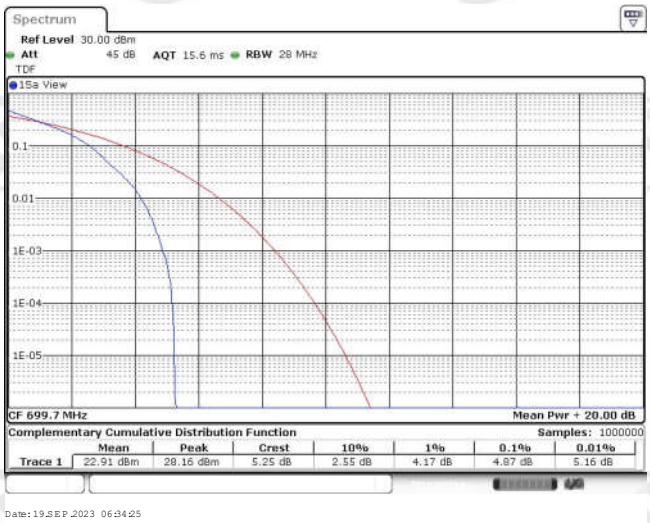
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | 4.87 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 5.45 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | 6.49 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 5.71 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | 4.52 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 5.22 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 4.00 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 6.26 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 7.07 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 6.46 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 5.33 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 5.65 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | 4.93 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 5.45 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | 5.07 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 5.74 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | 4.64 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 5.28 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 6.09 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 6.41 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 6.09 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 6.58 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 5.65 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 5.88 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | 5.01 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 5.45 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | 5.01 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 5.68 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | 5.01 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 5.25 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 5.94 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 6.00 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 6.17 | 13 | PASS |

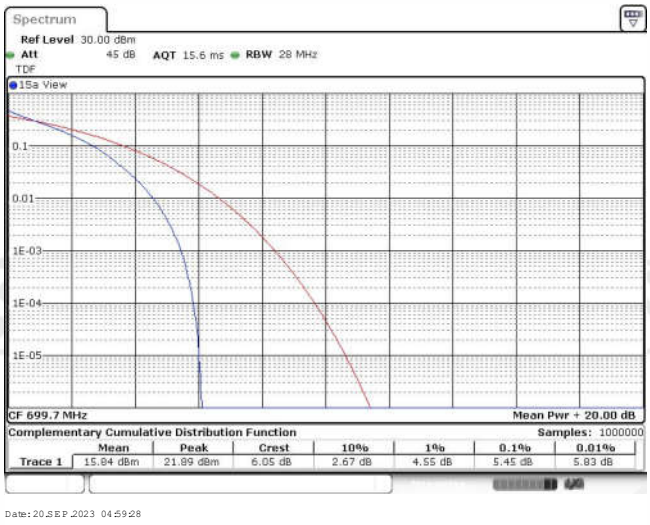
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 6.49 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | 6.06 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 5.86 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | 5.04 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 5.68 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | 4.61 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 5.71 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | 5.28 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 5.51 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 6.20 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 6.46 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 5.86 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 6.55 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 6.38 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 6.32 | 13 | PASS |

## Test Graphs

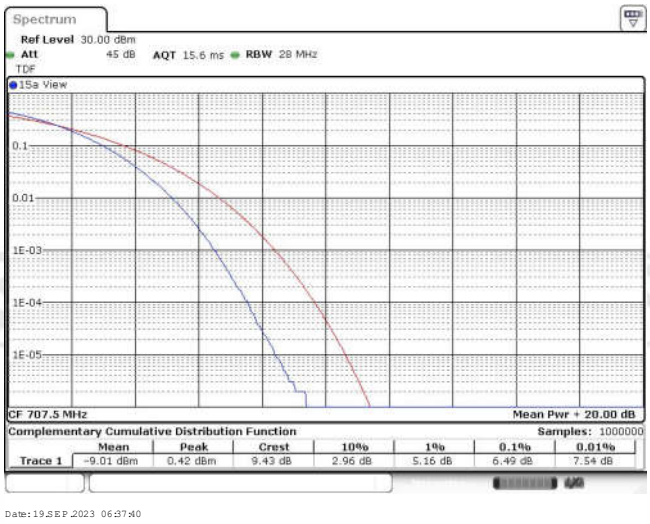
Band12-1.4MHz-QPSK-23017-1RB#0



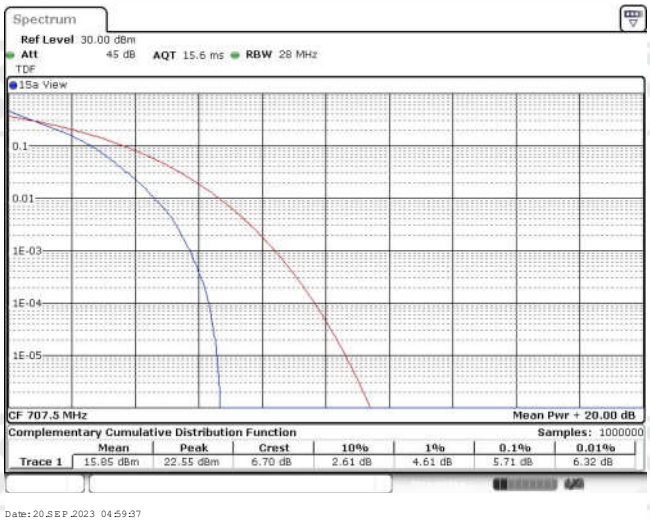

Band12-1.4MHz-QPSK-23017-6RB#0



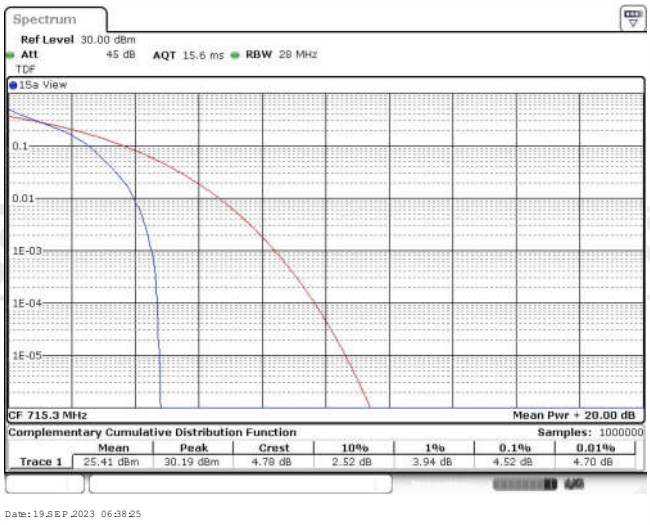

Band12-1.4MHz-QPSK-23095-1RB#0



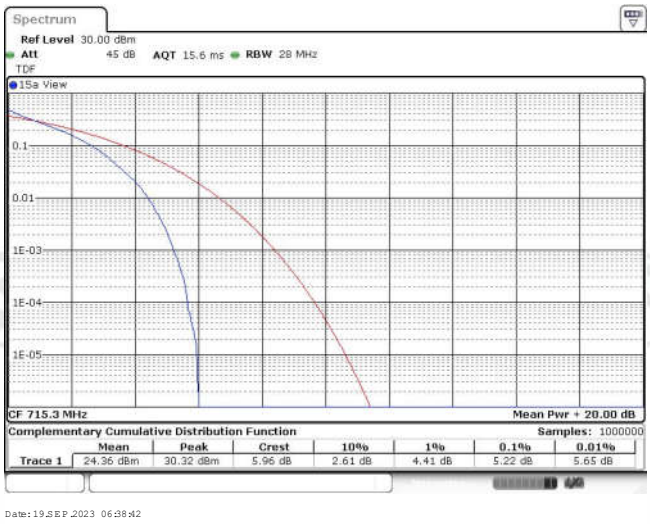

Band12-1.4MHz-QPSK-23095-6RB#0



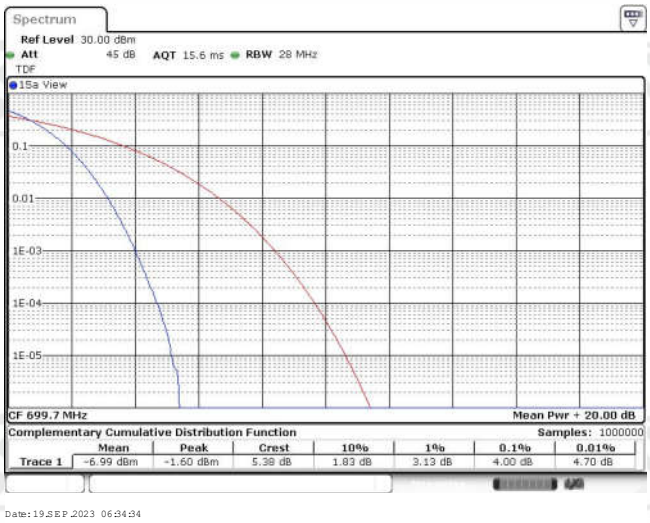

Band12-1.4MHz-QPSK-23173-1RB#0



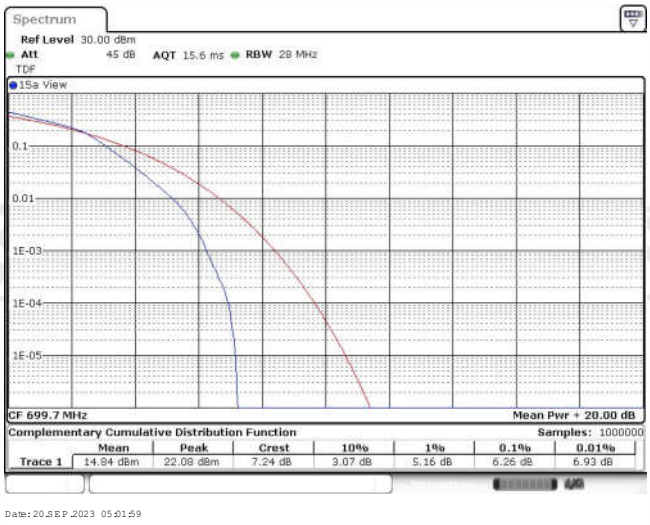

Band12-1.4MHz-QPSK-23173-6RB#0



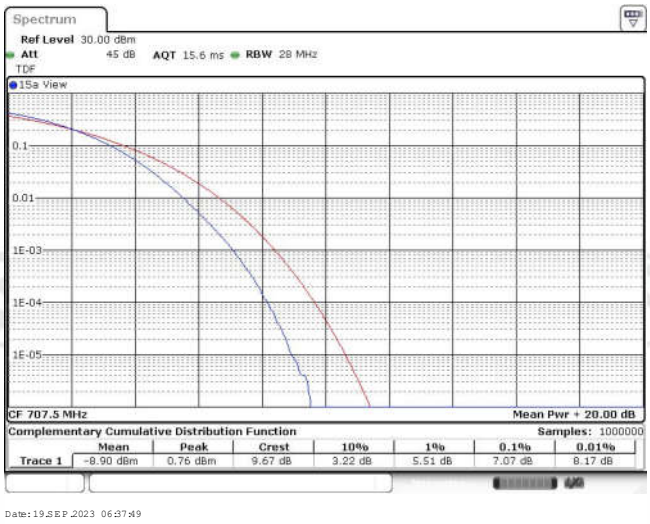

Band12-1.4MHz-16QAM-23017-1RB#0



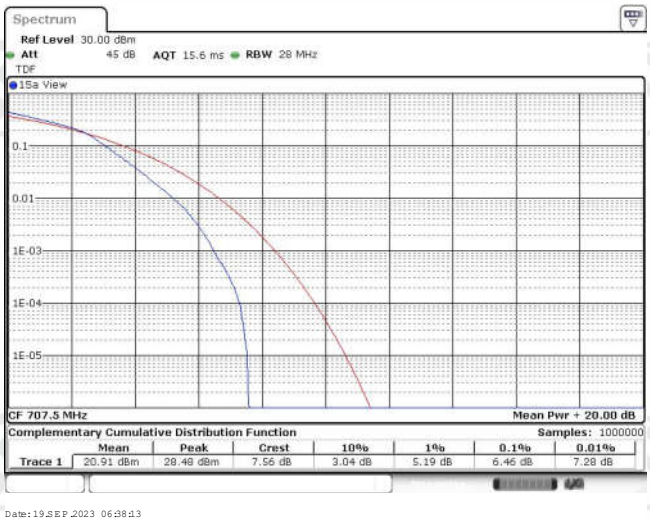

Band12-1.4MHz-16QAM-23017-6RB#0




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




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

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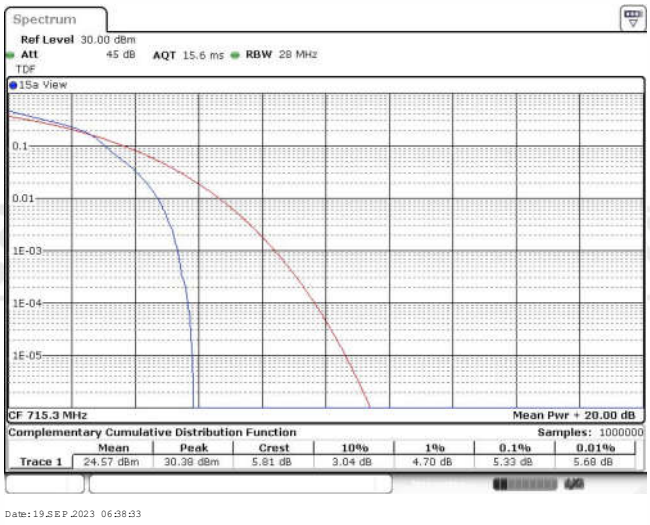


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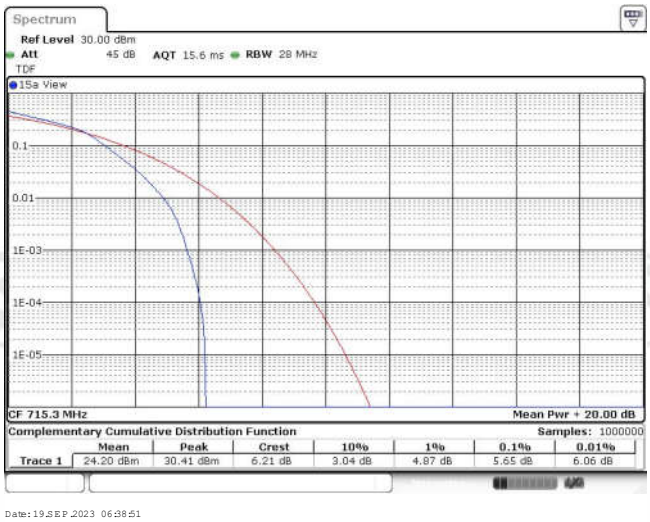


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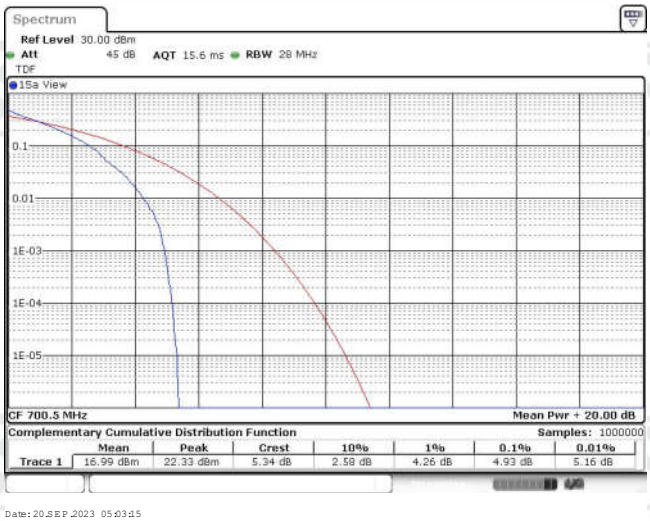


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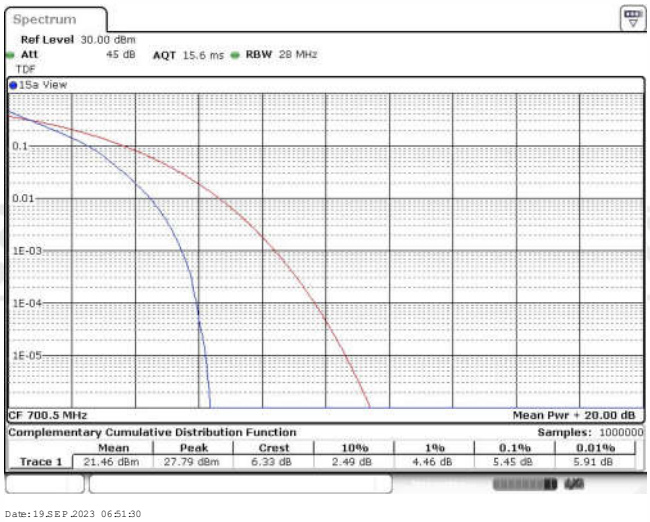


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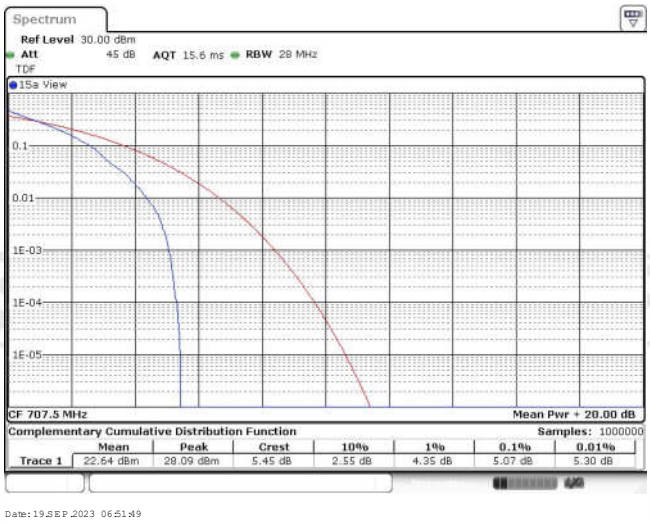


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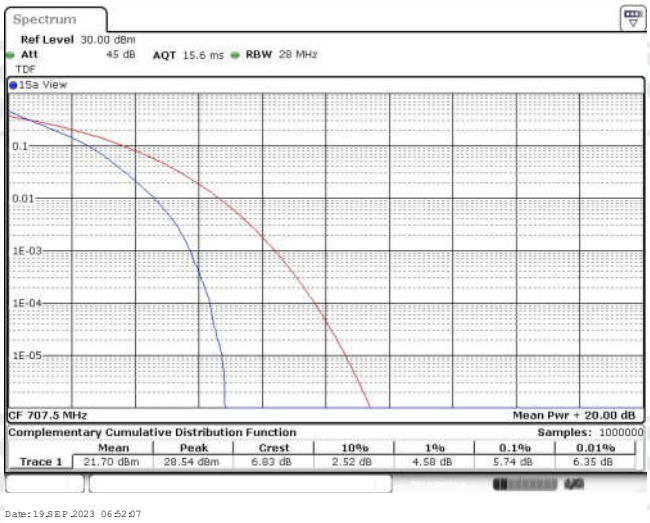


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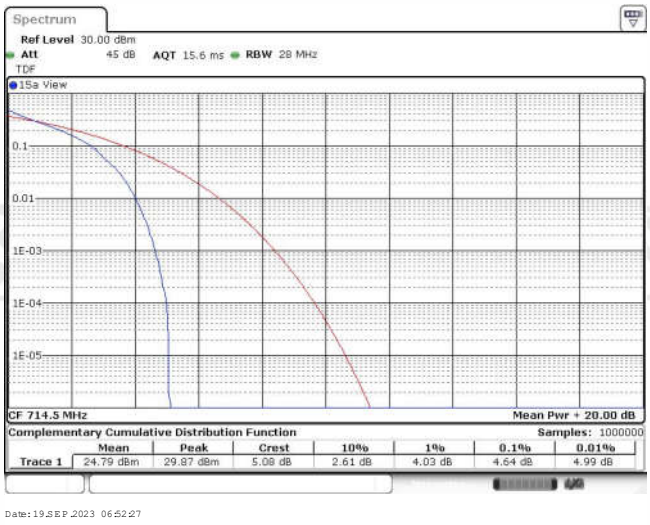


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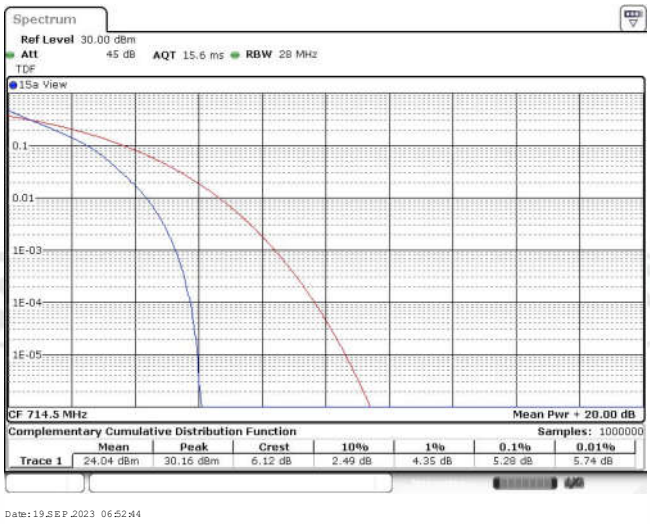


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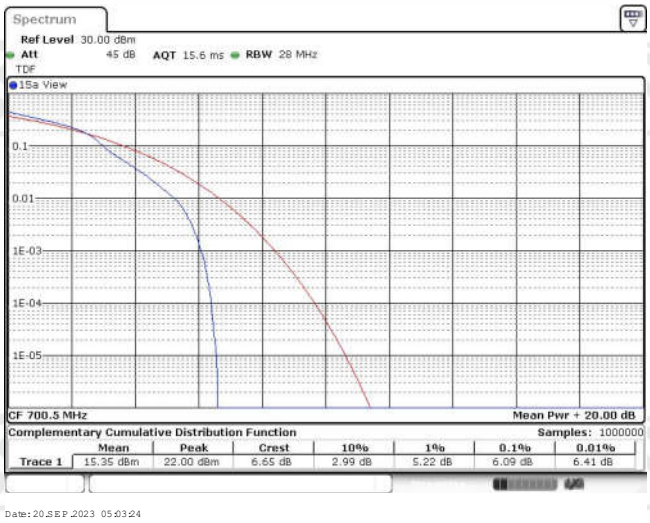


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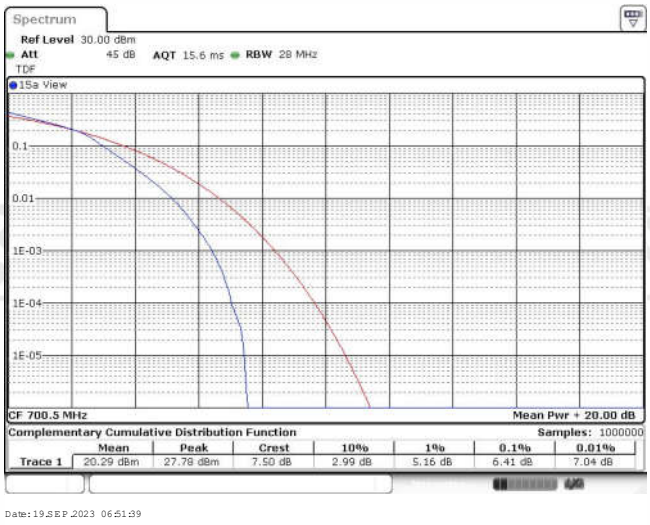


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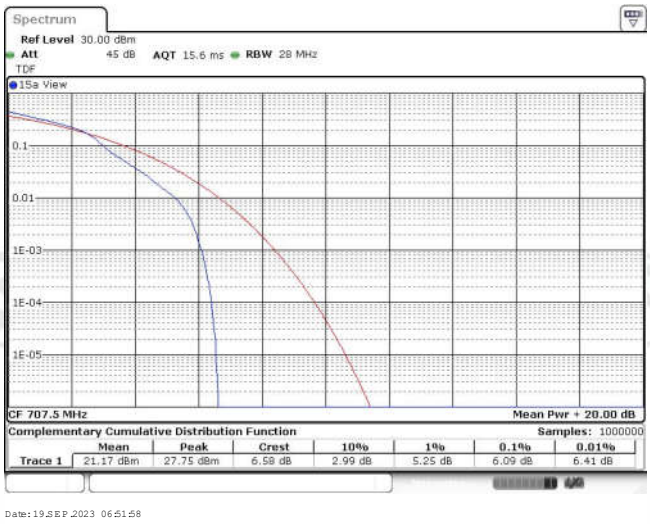


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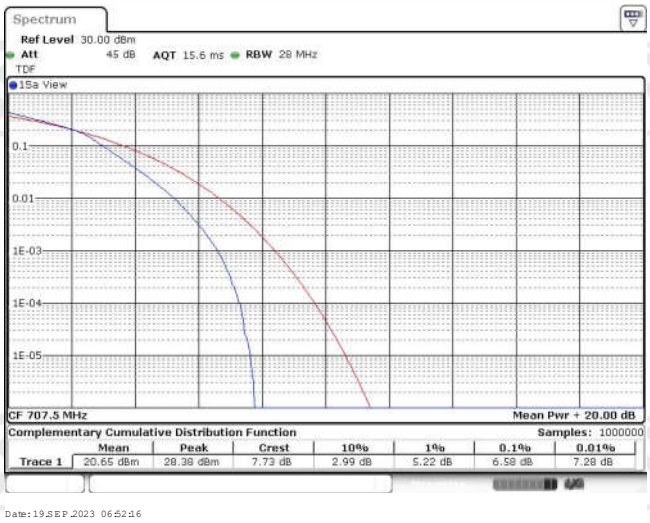


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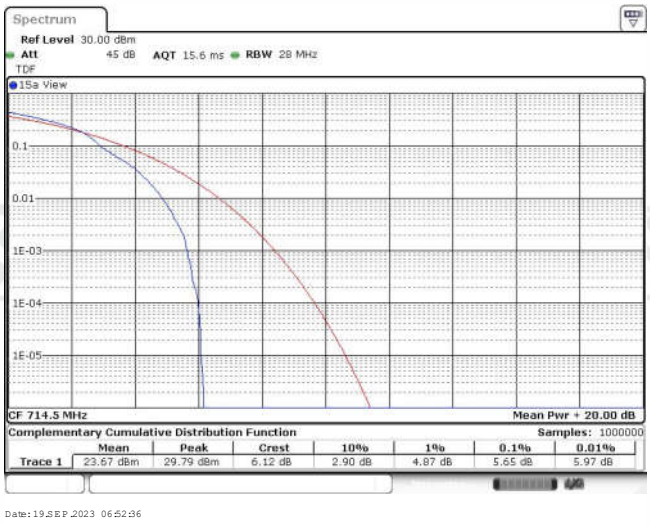


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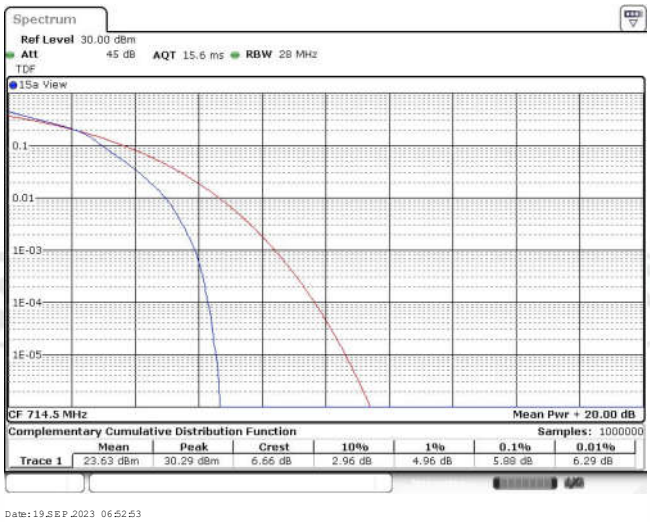


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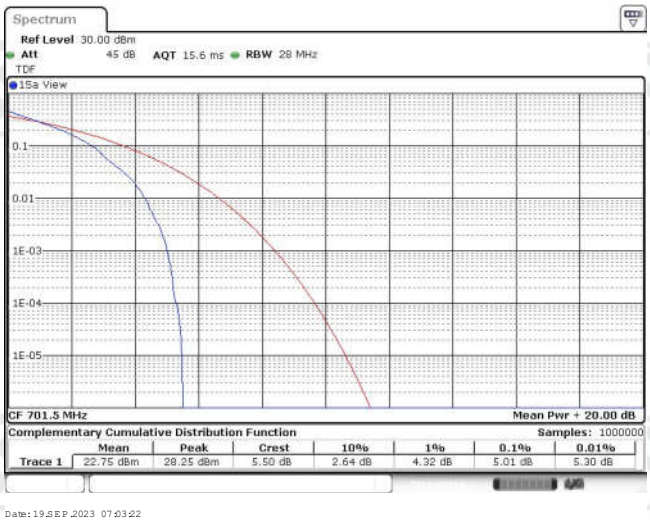


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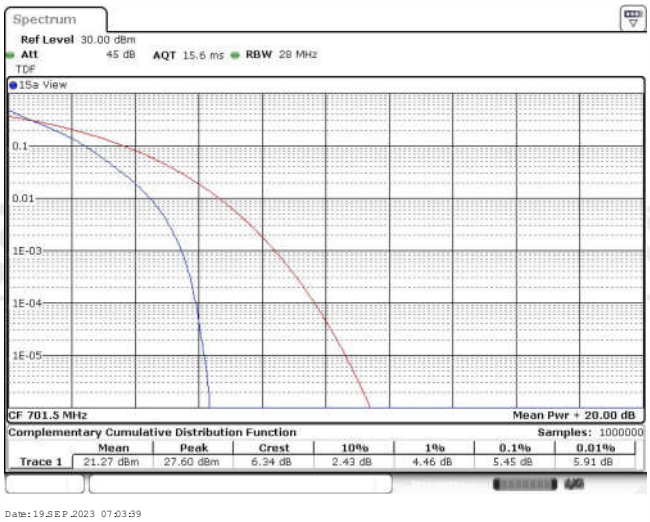


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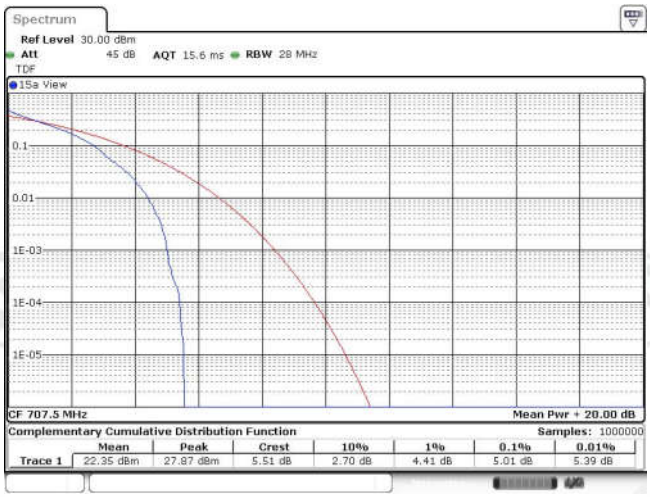


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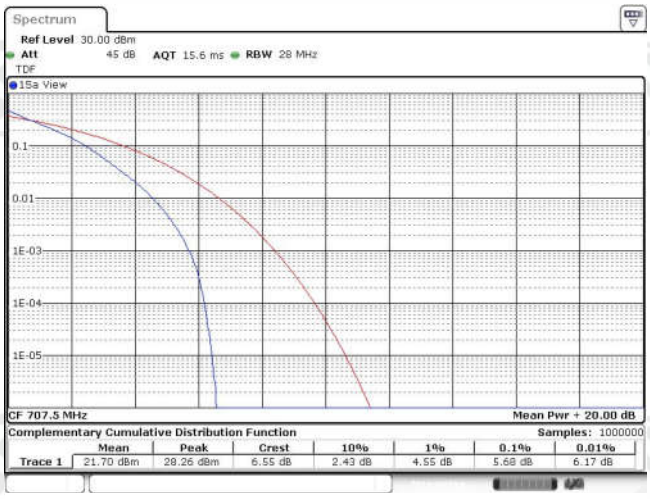


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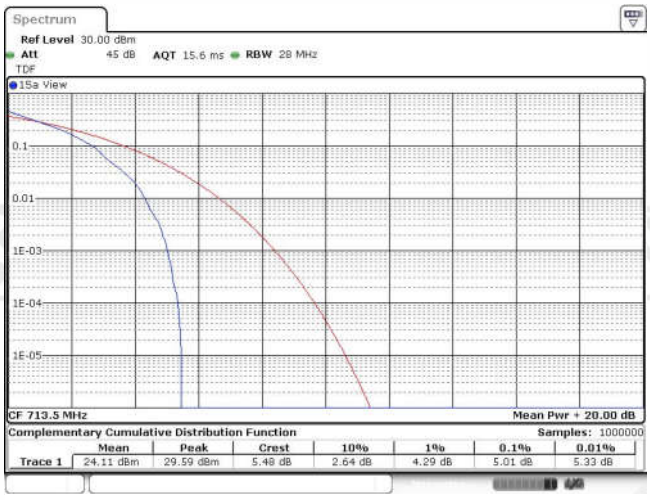


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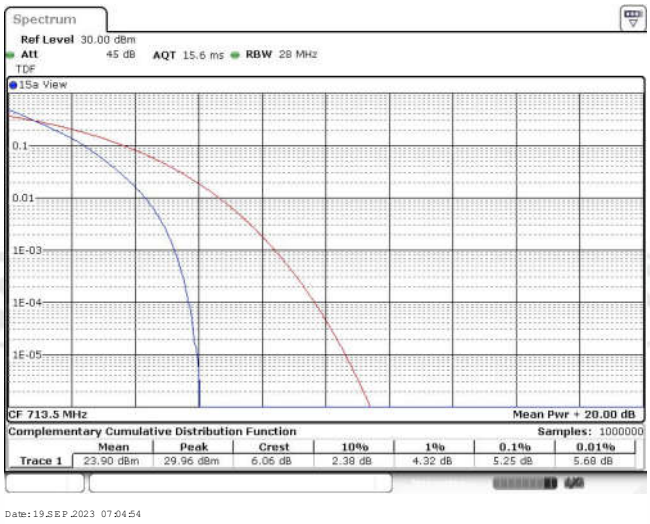


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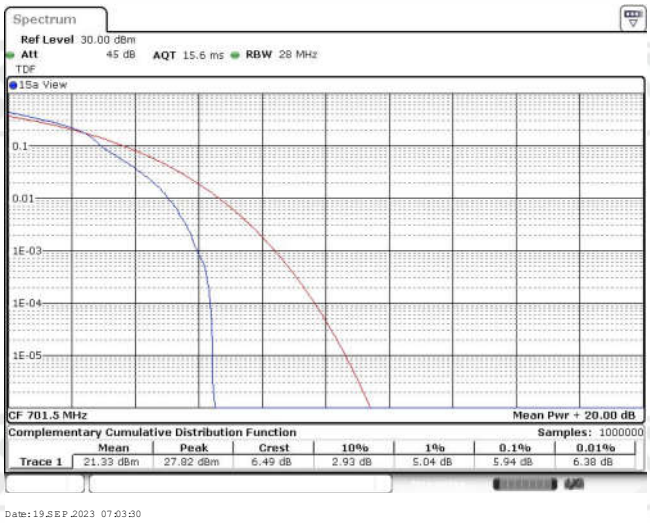


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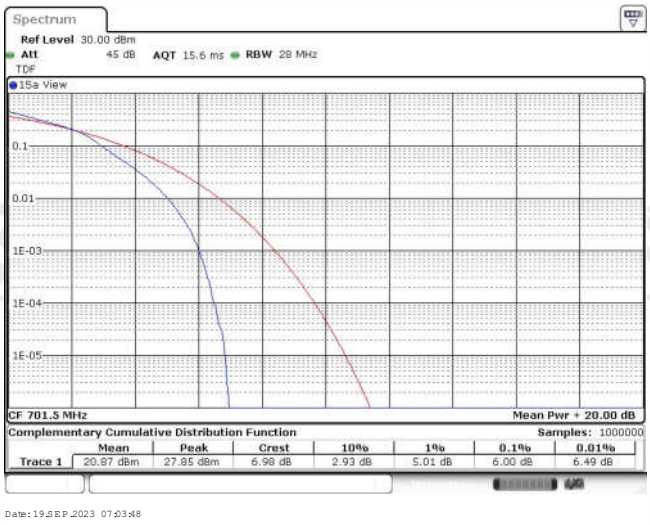


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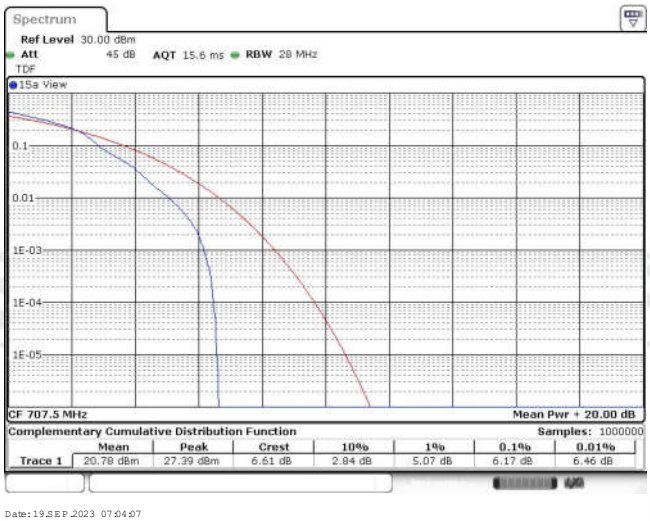


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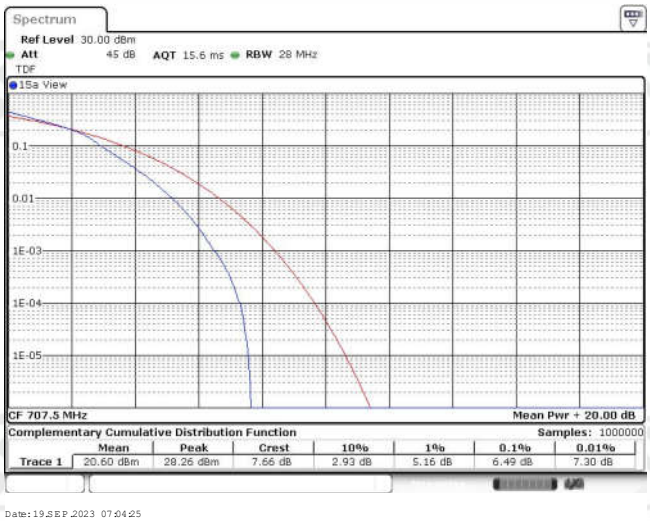


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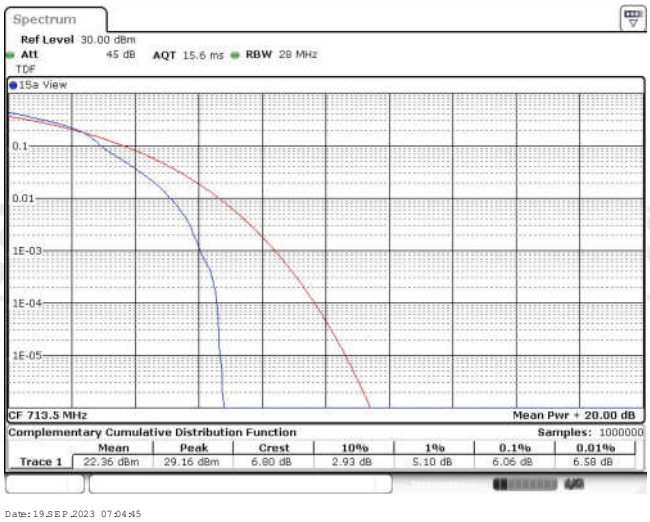


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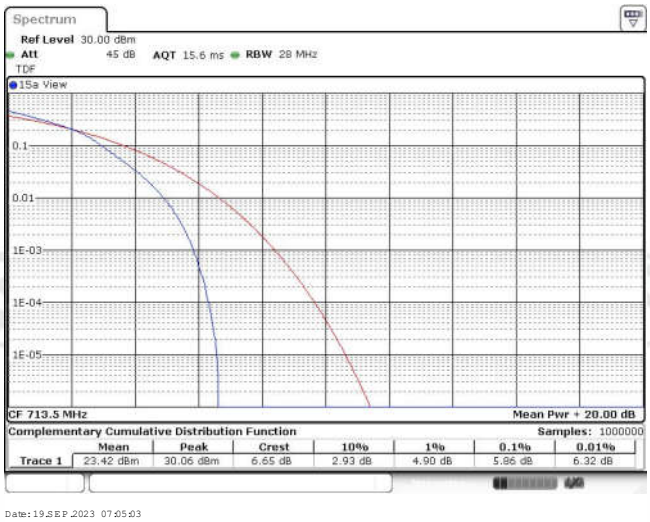


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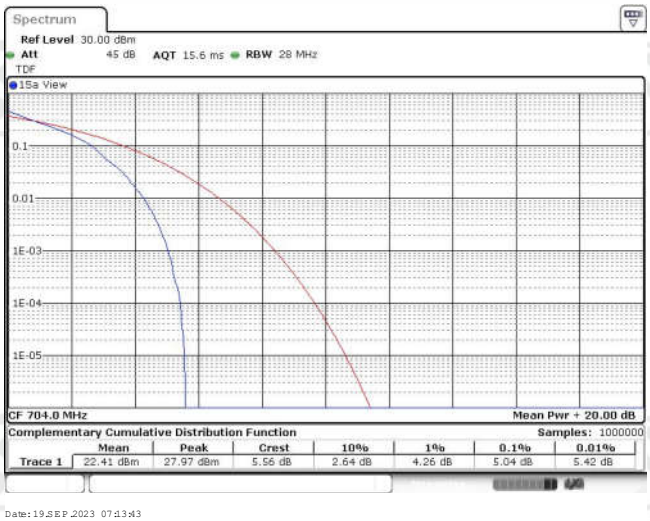


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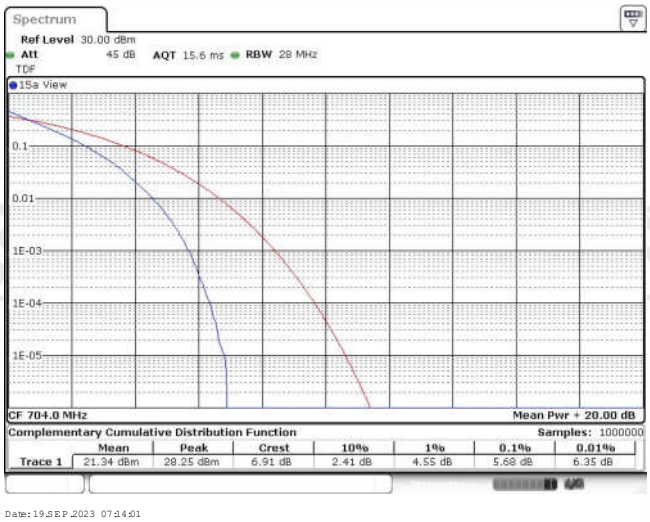


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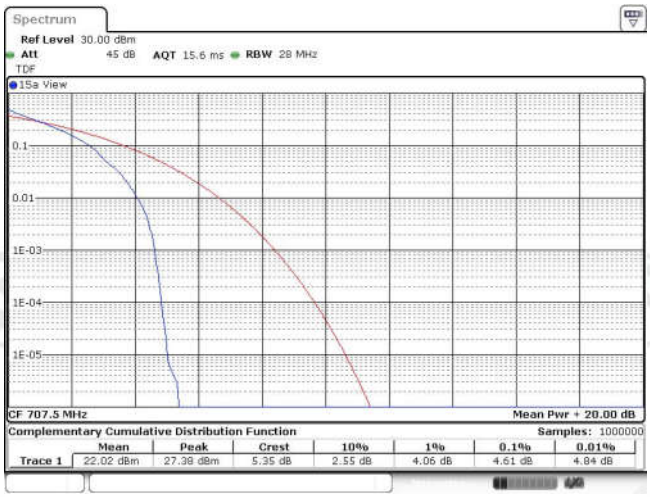


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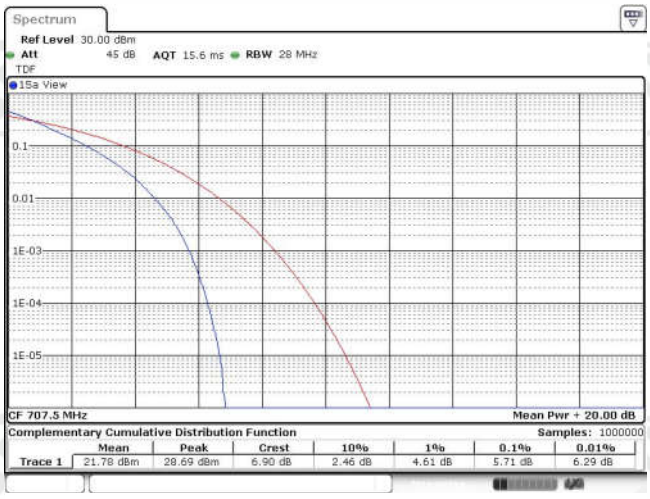


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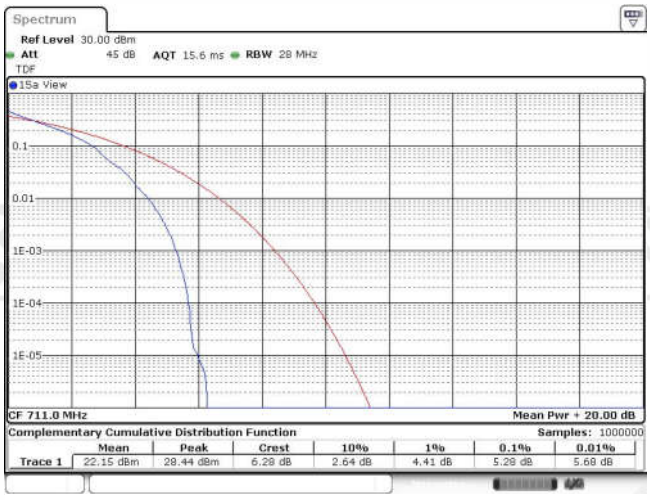


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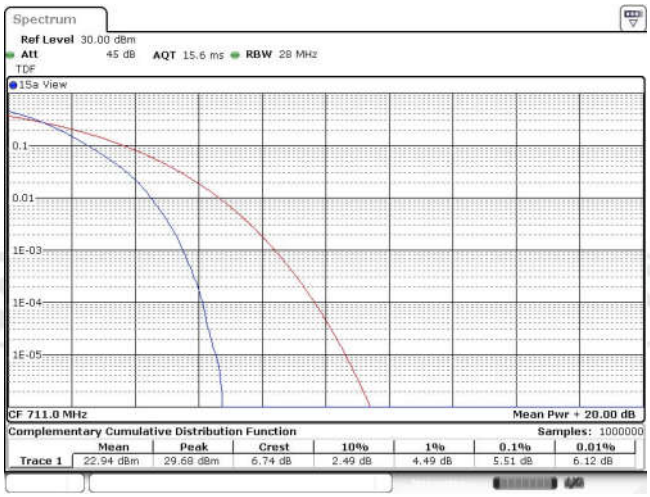


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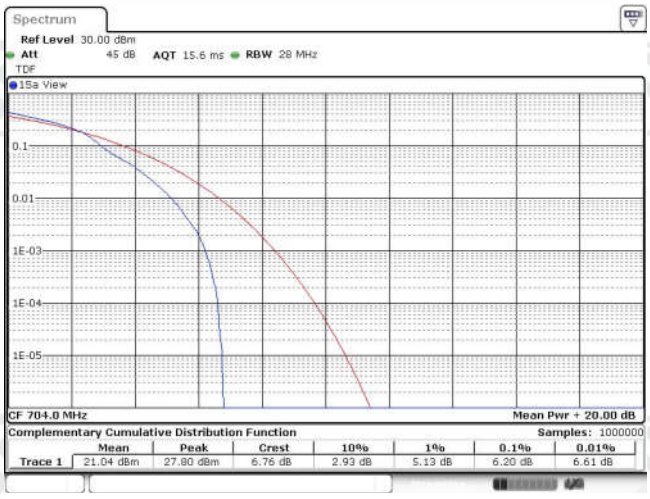


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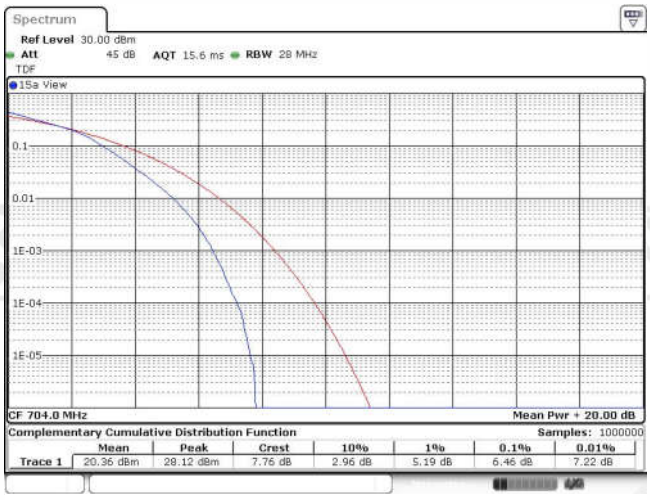


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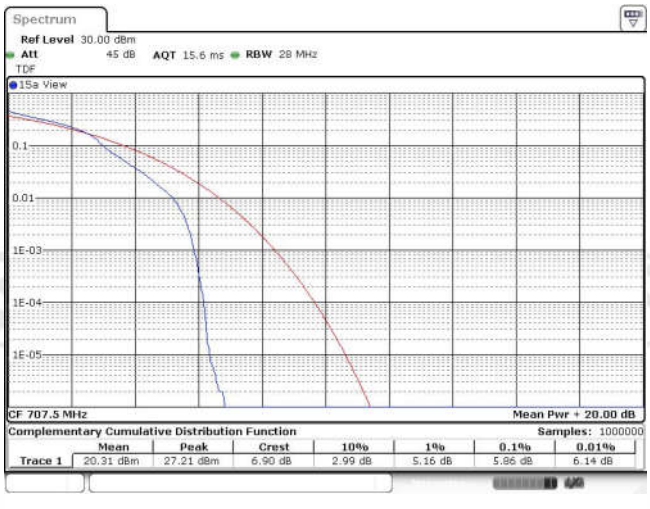


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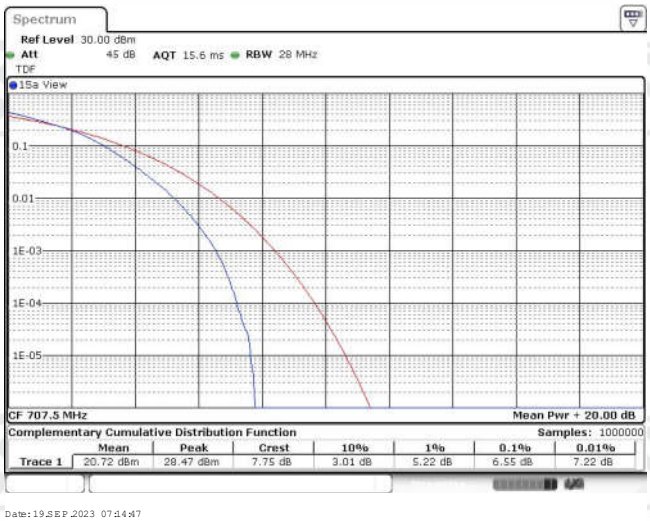


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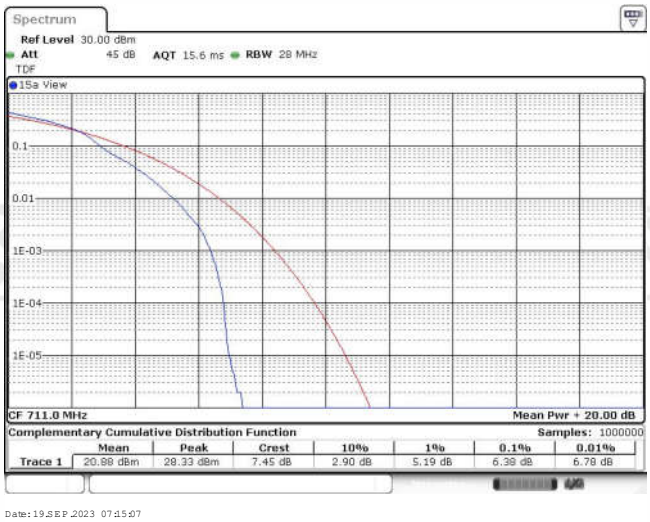


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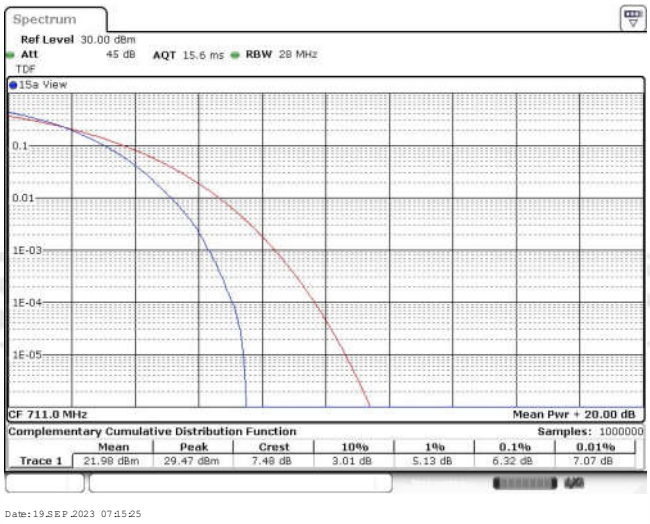

Spectrum
Ref Level 30.00 dBm
Att 45 dB AQT 15.6 ms RBW 28 MHz
TDF
15a View
0.1
0.01
1E-03
1E-04
1E-05
CF 711.0 MHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 21.98 dBm 29.47 dBm 7.48 dB 3.01 dB 5.13 dB 6.32 dB 7.07 dB
Date:19.SEP.2023 07:15:25

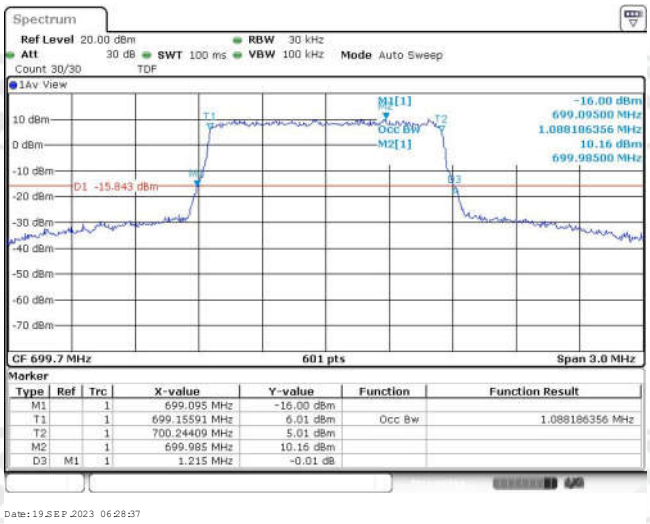
# Appendix C: 26dB Bandwidth and Occupied Bandwidth

## Test Result

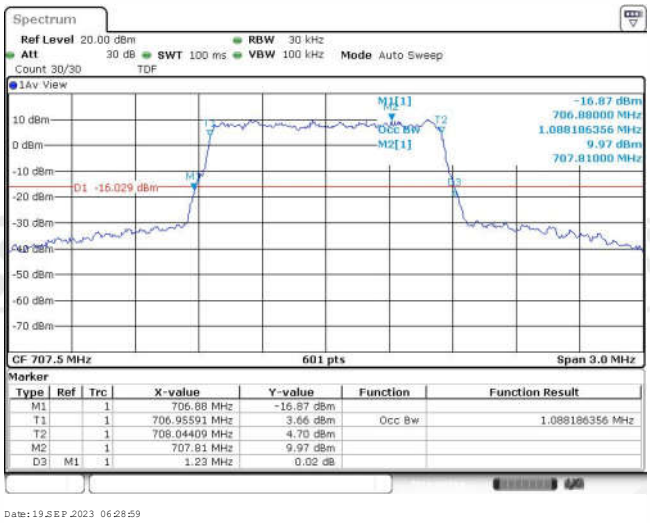
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 1.088 | 1.215 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 1.088 | 1.230 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 1.088 | 1.220 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 1.093 | 1.235 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 1.083 | 1.225 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 1.088 | 1.220 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 2.705 | 2.910 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 2.696 | 2.900 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 2.696 | 2.880 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 2.696 | 2.910 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 2.696 | 2.910 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 2.696 | 2.890 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 4.496 | 4.810 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 4.496 | 4.790 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 4.476 | 4.780 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 4.505 | 4.780 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 4.496 | 4.790 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 4.496 | 4.770 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 8.985 | 9.533 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 9.018 | 9.533 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 8.952 | 9.533 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 8.985 | 9.567 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 9.018 | 9.533 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 8.952 | 9.533 | PASS |

## Test Graphs

| Band12-1.4MHz-QPSK-23017-6RB#0-1.088 |
|---|




| Band12-1.4MHz-QPSK-23095-6RB#0-1.088 |
|---|




| Band12-1.4MHz-QPSK-23173-6RB#0-1.088 |
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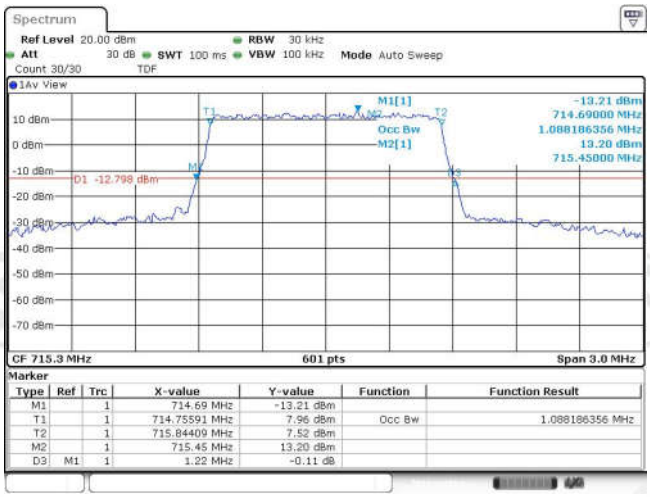
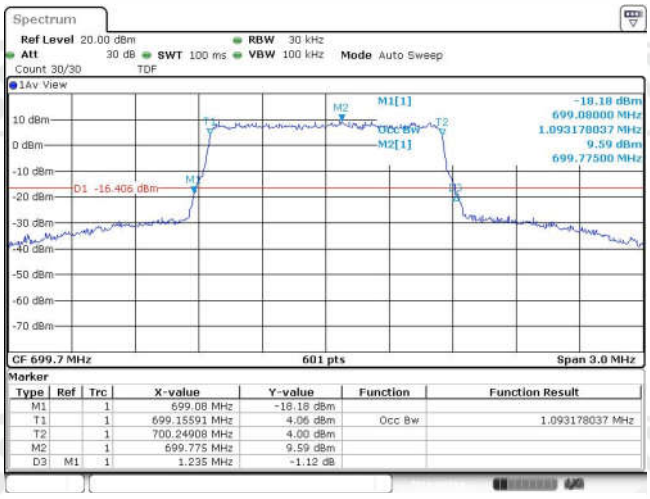
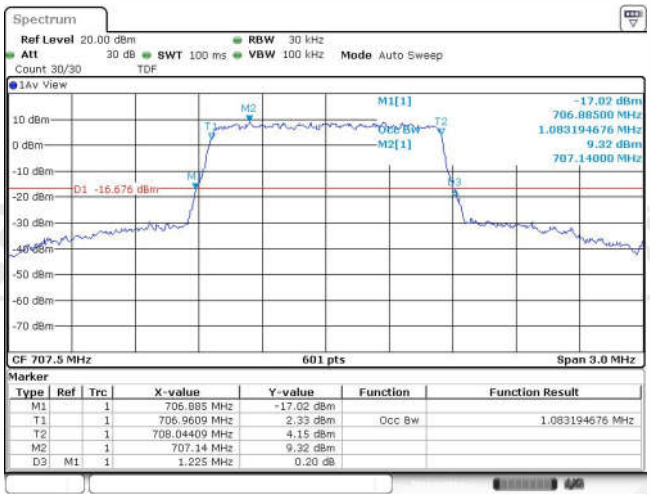



Band12-1.4MHz-16QAM-23017-6RB#0-1.093




Band12-1.4MHz-16QAM-23095-6RB#0-1.083

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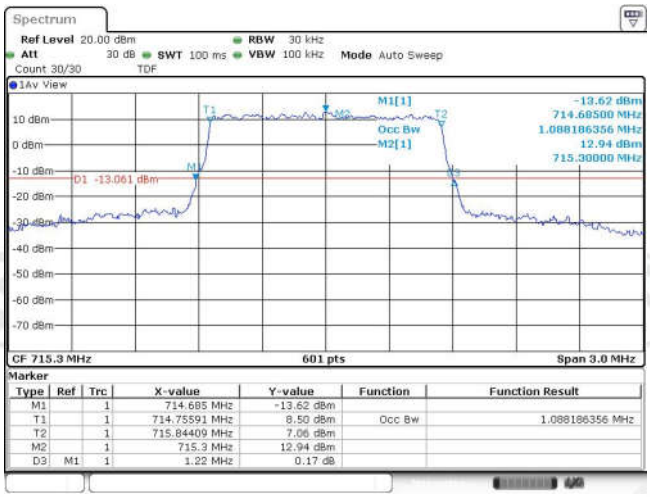


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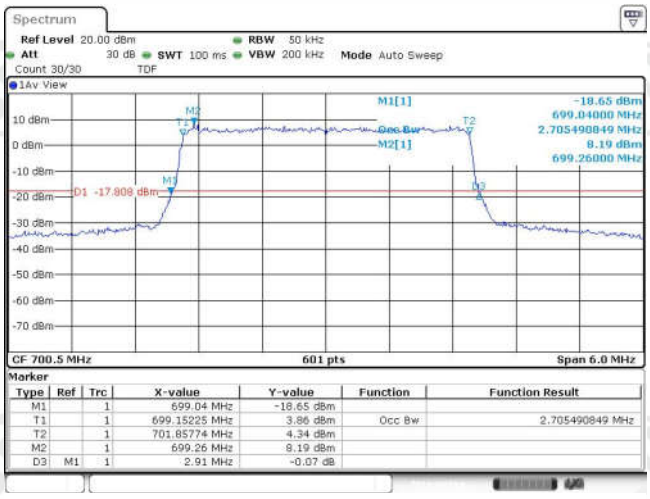


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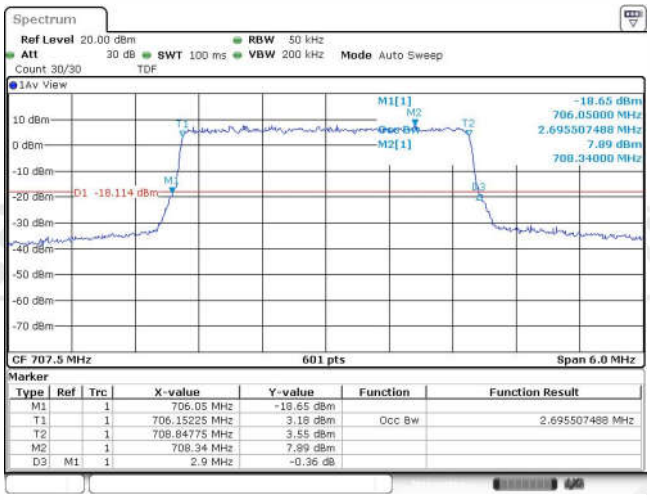


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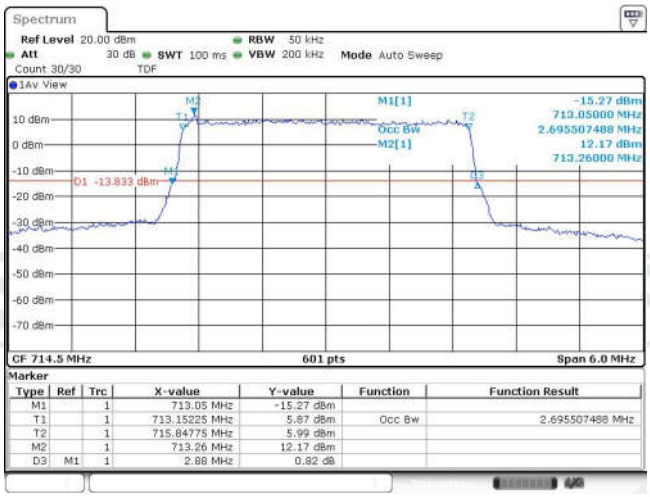


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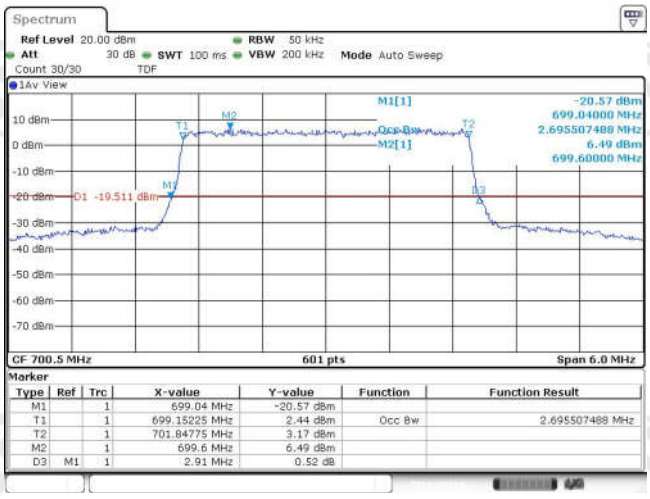


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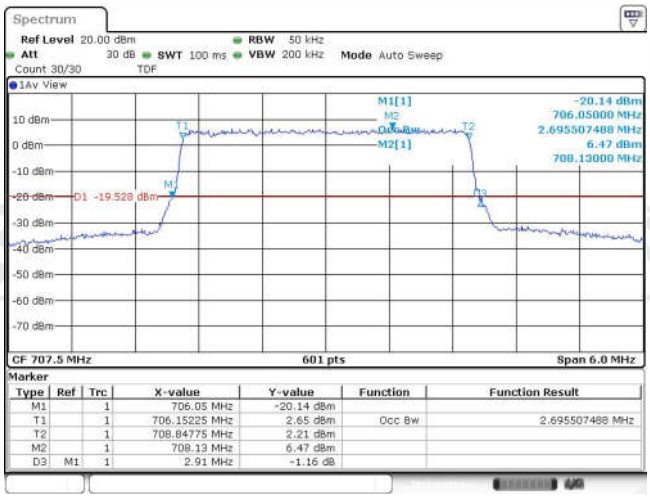


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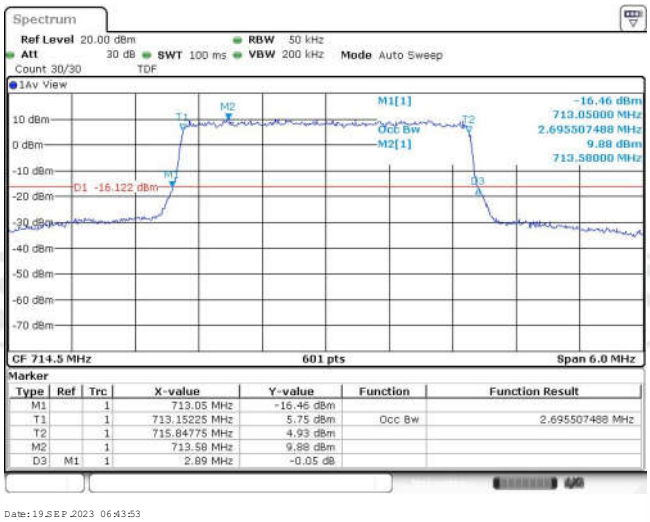


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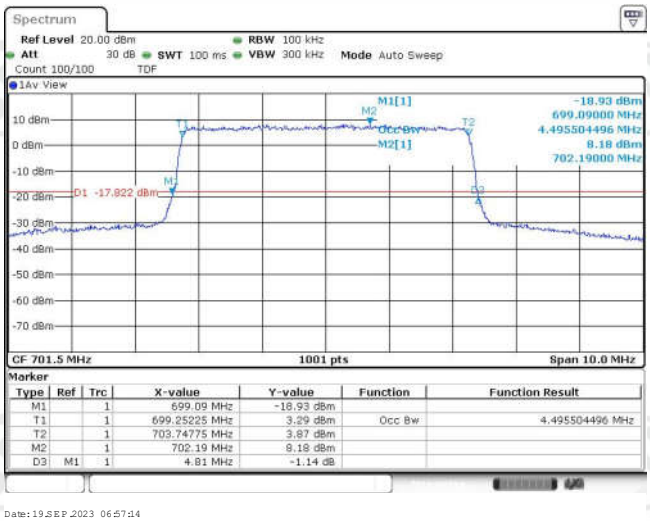


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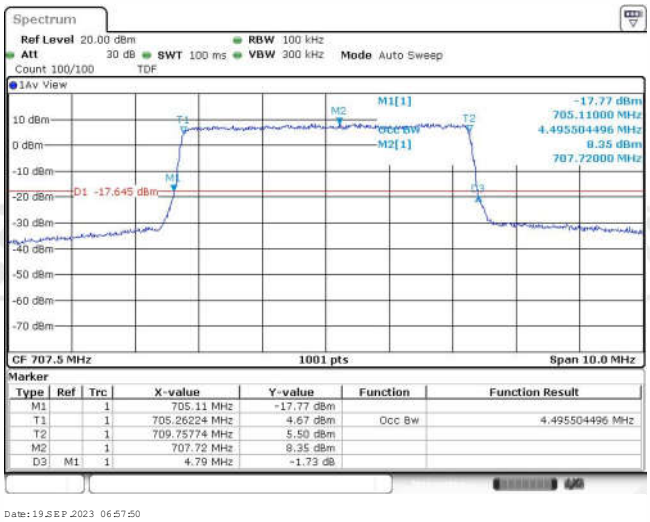


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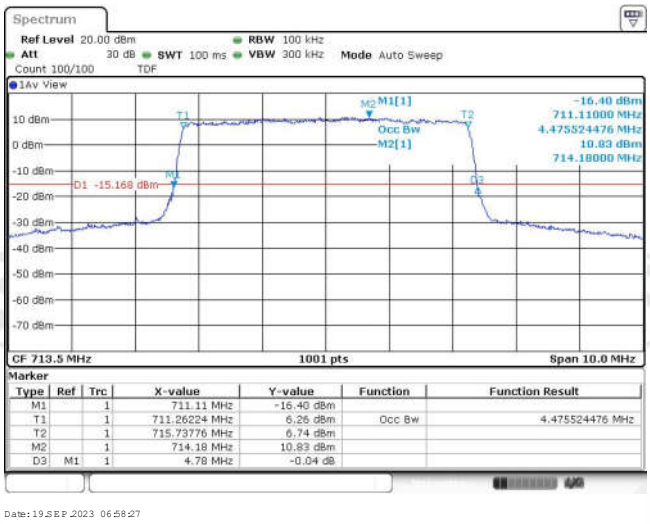


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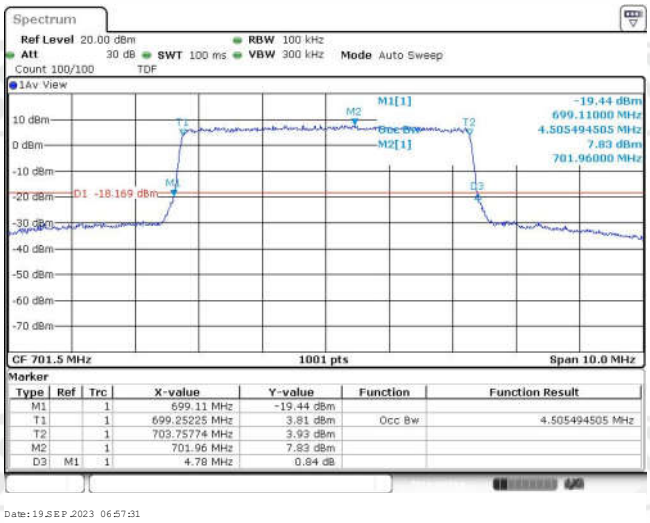


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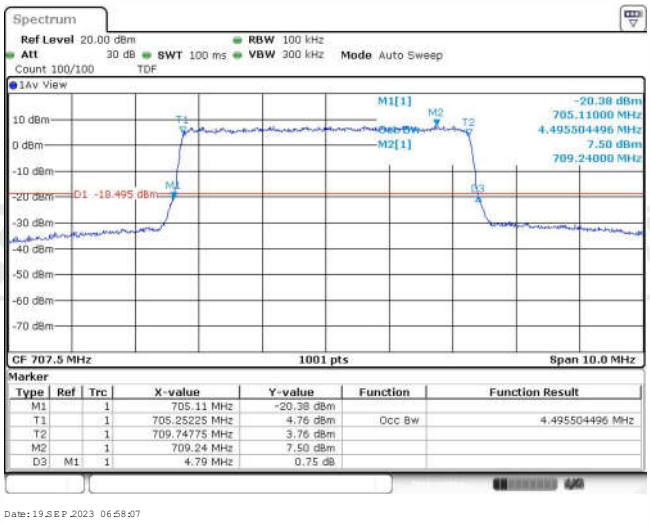


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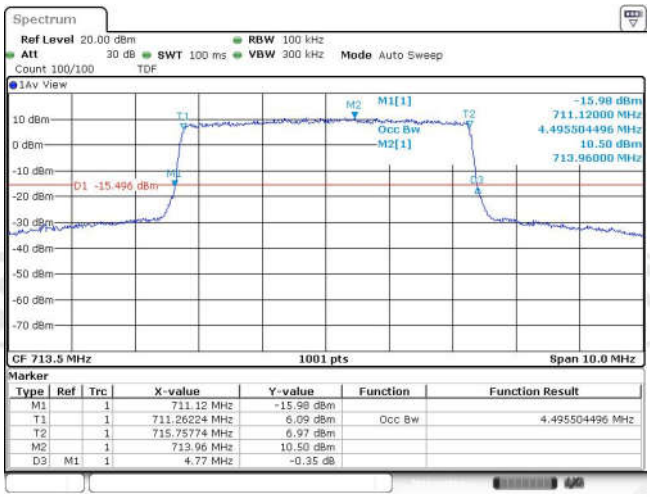


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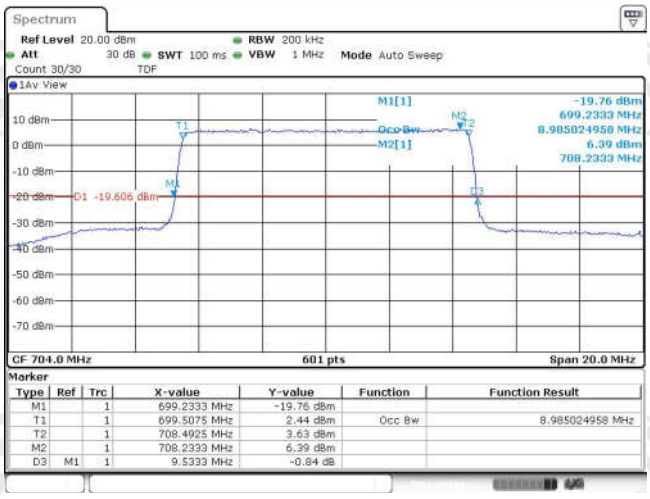


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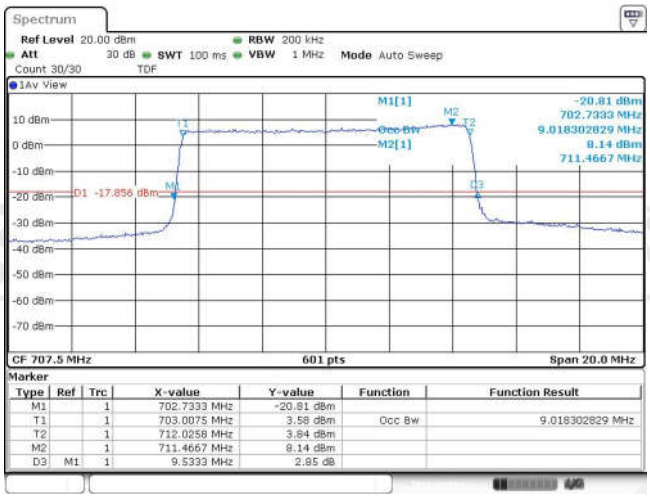
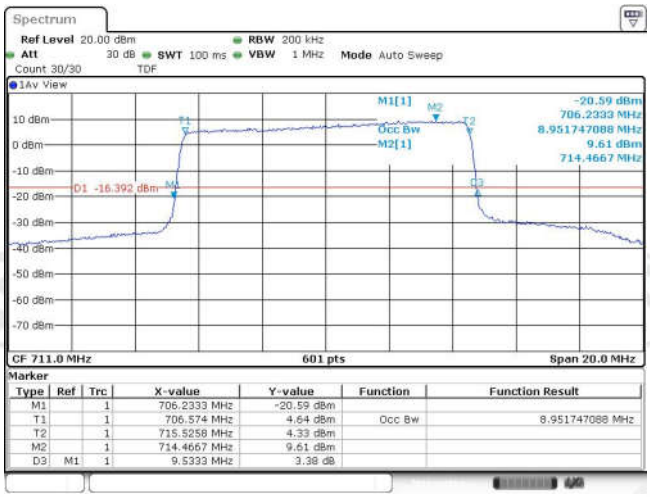



Band12-10MHz-QPSK-23130-50RB#0-8.952

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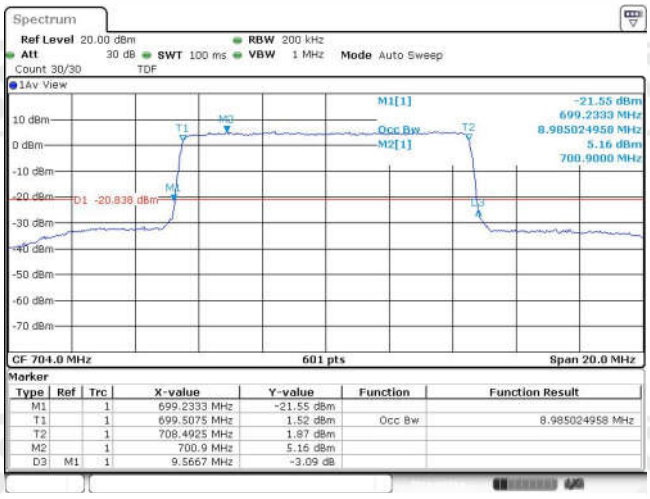


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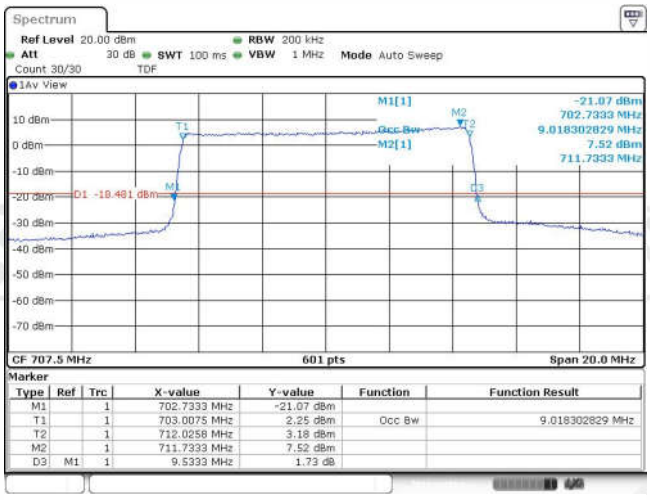


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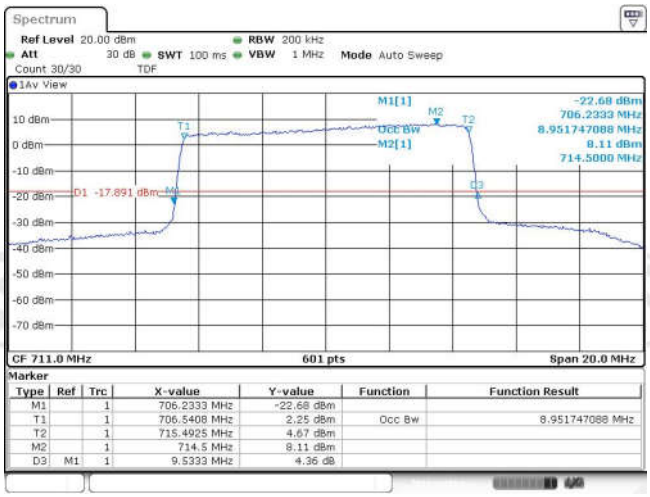
Spectrum
Ref Level 20.00 dBm
RBW 200 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1] -22.68 dBm
706.2333 MHz
Occ Bw 8.951747088 MHz
M2[1] 8.11 dBm
714.5000 MHz
D1 -17.891 dBm
CF 711.0 MHz
601 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 706.2333 MHz -22.68 dBm
T1 1 706.5408 MHz 2.25 dBm Occ Bw 8.951747088 MHz
T2 1 715.4925 MHz 4.67 dBm
M2 1 714.5 MHz 8.11 dBm
D3 M1 1 9.5333 MHz 4.36 dB
Date: 19.SEP.2023 07:08:51

# Appendix D: Band Edge

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | -33.70,-25.56 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#5 | -32.06,-44.26 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | -29.08,-27.70 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | -41.77,-30.40 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#5 | -21.46,-31.65 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | -25.29,-27.07 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | -33.77,-22.54 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | -32.21,-38.87 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | -29.83,-28.02 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | -41.00,-30.68 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | -17.94,-30.49 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | -24.41,-25.19 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | -32.93,-17.27 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#14 | -42.36,-31.04 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | -32.13,-26.29 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | -28.52,-41.42 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#14 | -13.28,-28.02 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | -22.59,-32.47 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | -34.72,-18.97 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | -44.28,-32.98 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | -33.61,-26.84 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | -29.17,-41.25 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | -13.26,-29.26 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | -23.84,-31.20 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | -20.25 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#24 | -37.59 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | -25.82 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | -35.60 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#24 | -16.25 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | -25.79 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | -20.18 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24 | -37.92 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | -26.73 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | -35.75 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24 | -17.51 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | -25.44 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | -29.60,-24.82 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#49 | -42.61,-39.54 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | -30.57,-29.95 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | -38.43,-41.37 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#49 | -21.47,-26.84 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | -26.34,-27.63 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | -30.15,-24.92 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | -42.32,-40.21 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | -31.28,-30.30 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | -38.68,-41.00 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | -21.98,-25.94 | PASS |
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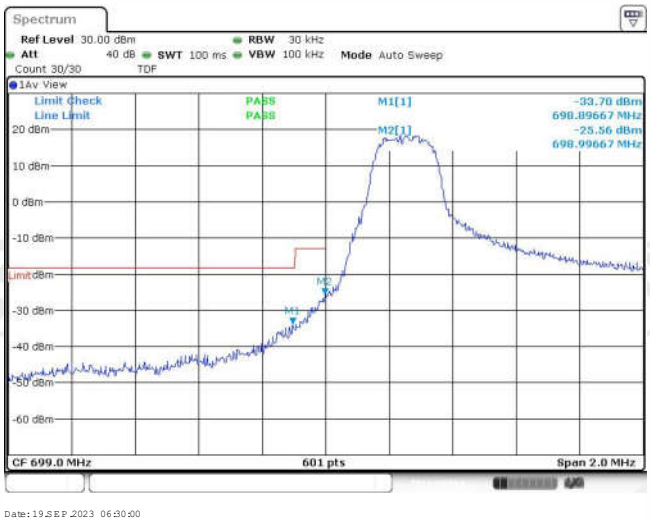
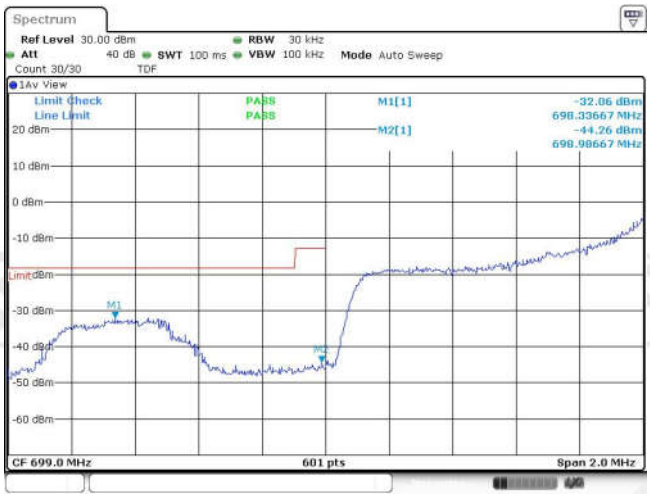
## Test Graphs

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




Band12-1.4MHz-QPSK-23017-1RB#5




Date: 19.SEP.2023 06:30:22

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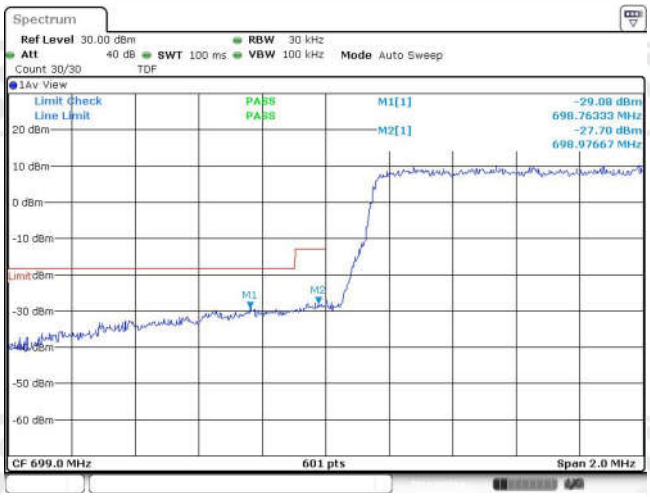


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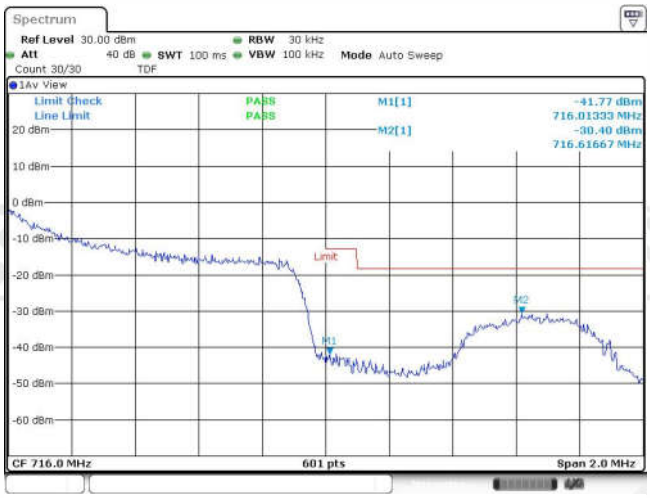


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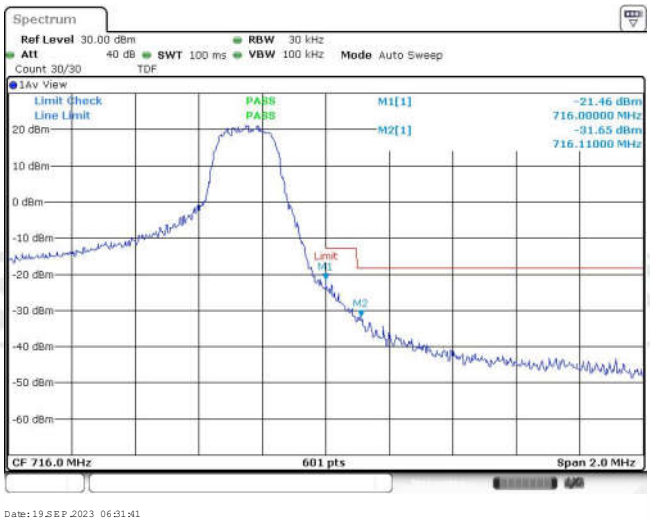


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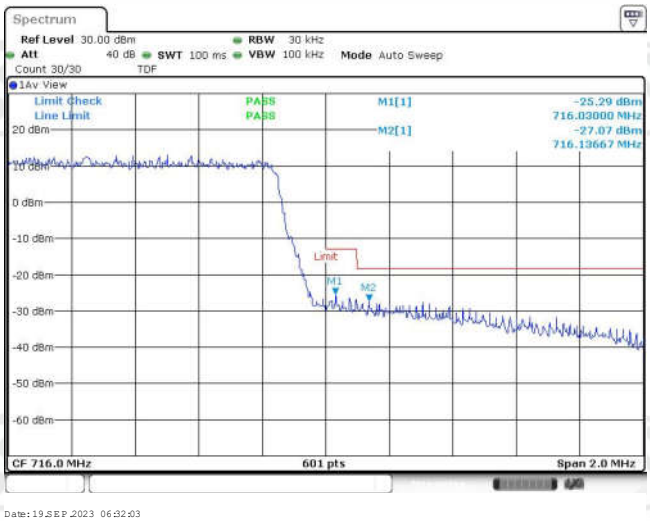


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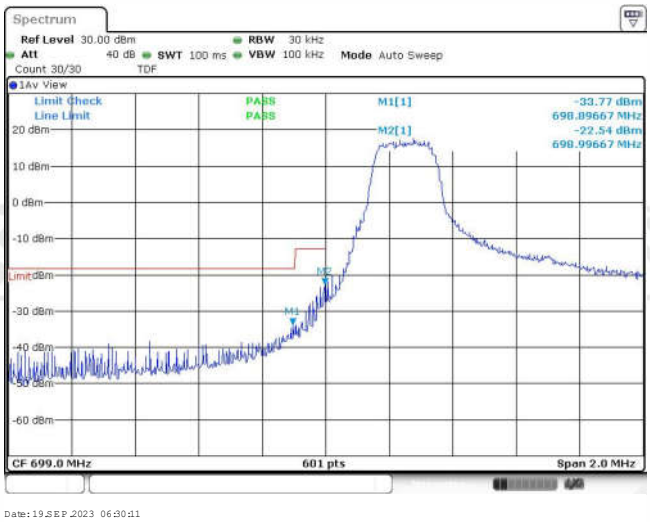


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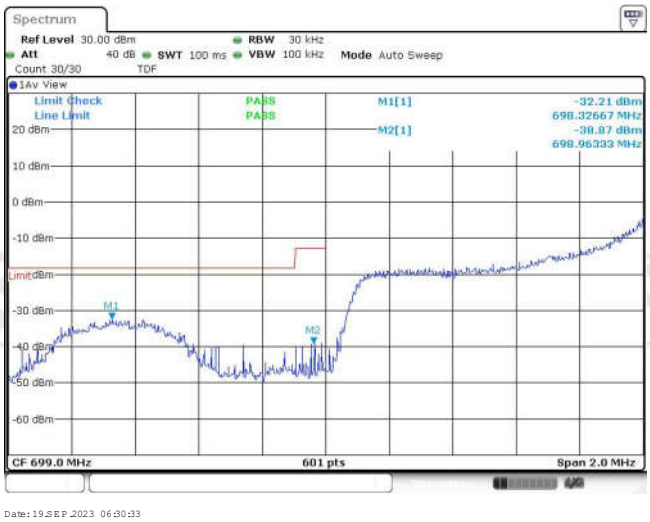


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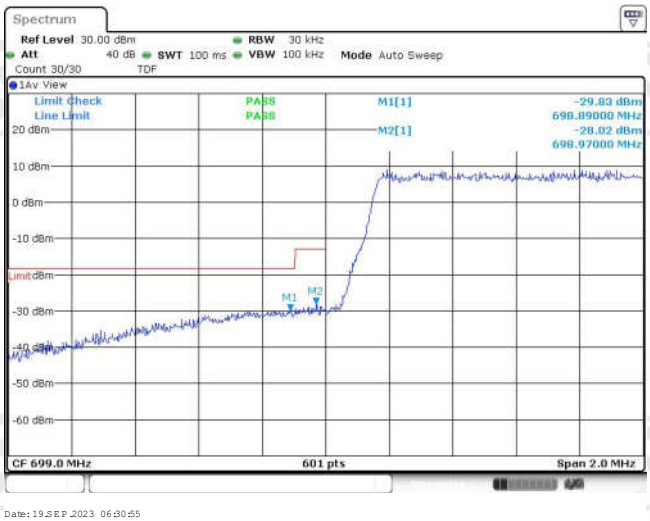


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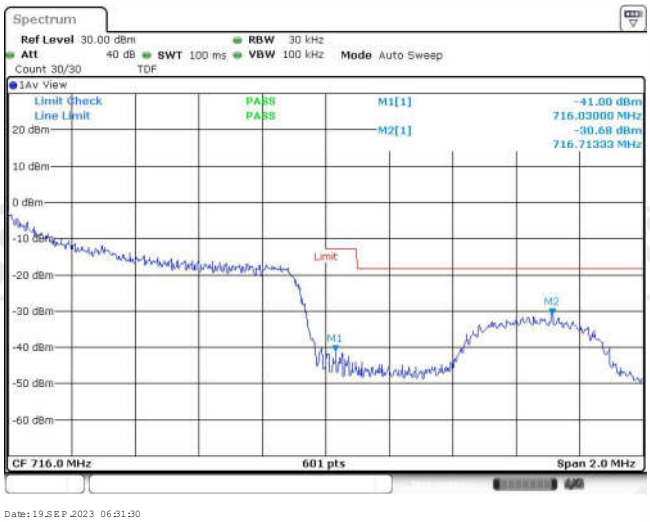


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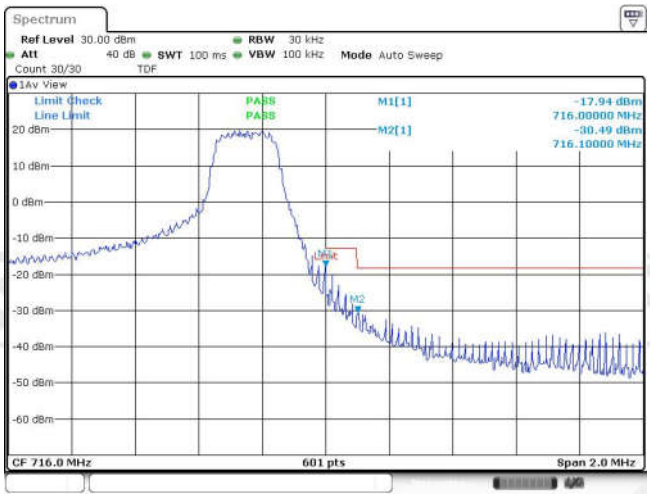
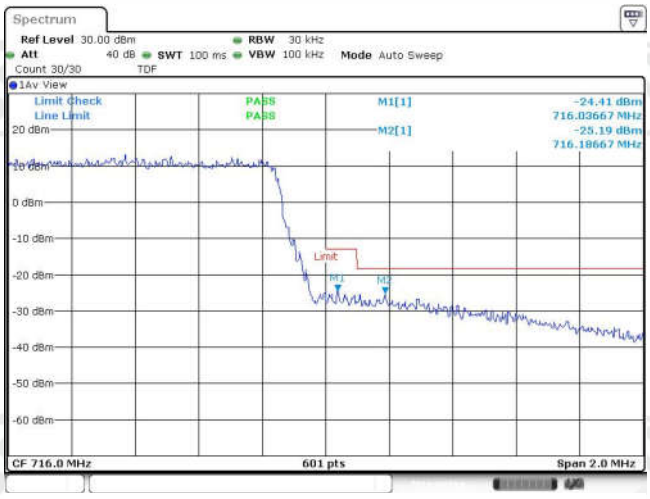



Band12-1.4MHz-16QAM-23173-6RB#0

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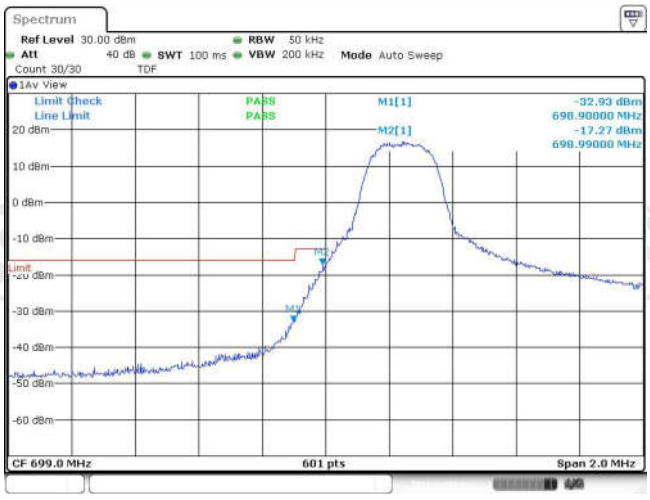


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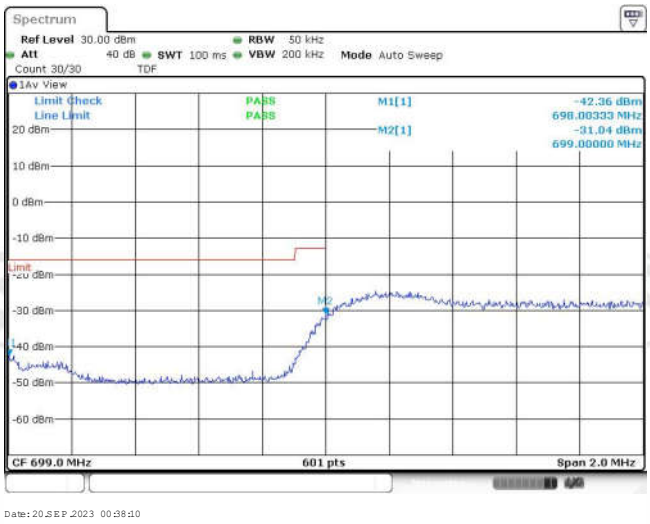
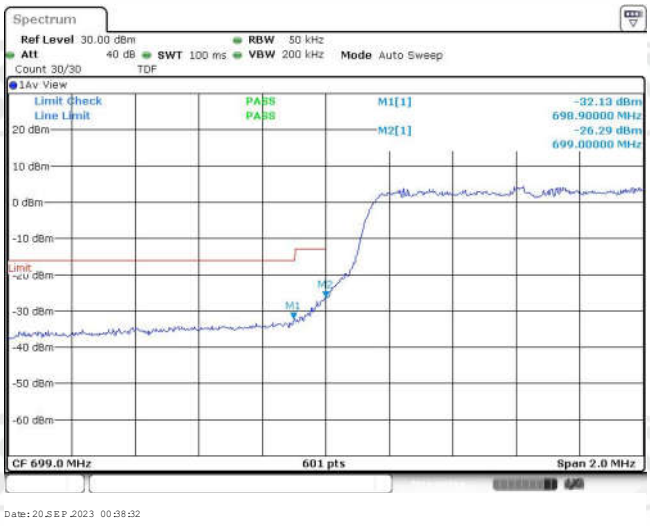



Band12-3MHz-QPSK-23025-15RB#0

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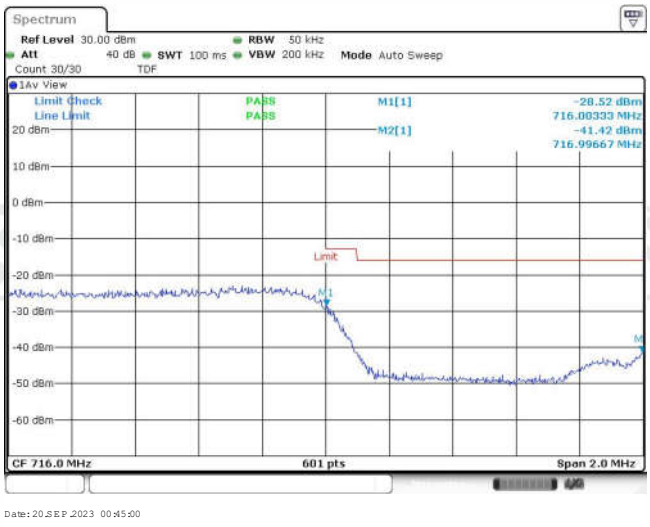


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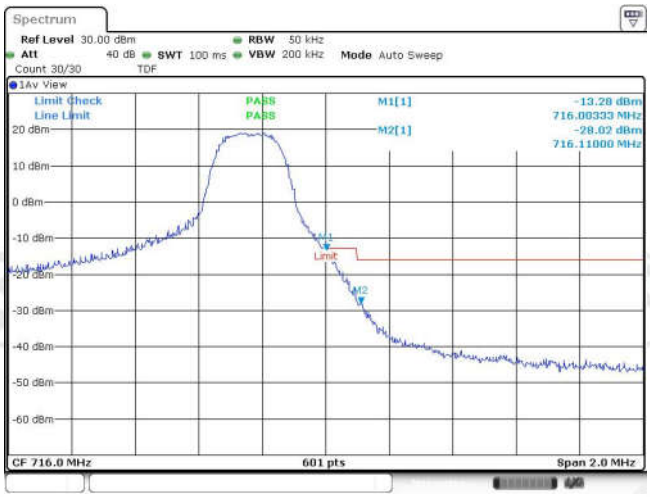
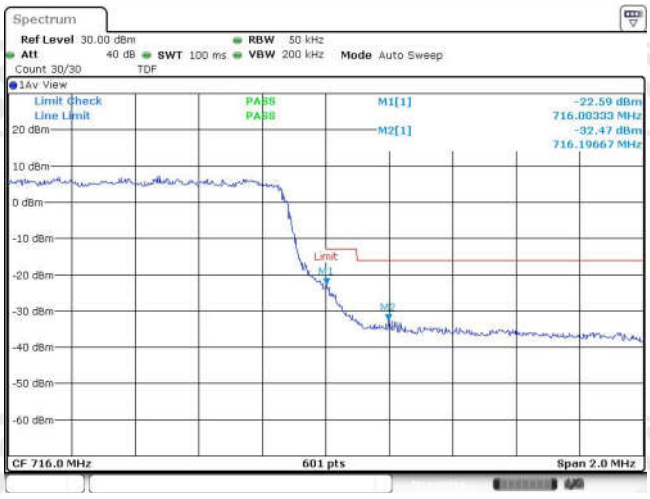
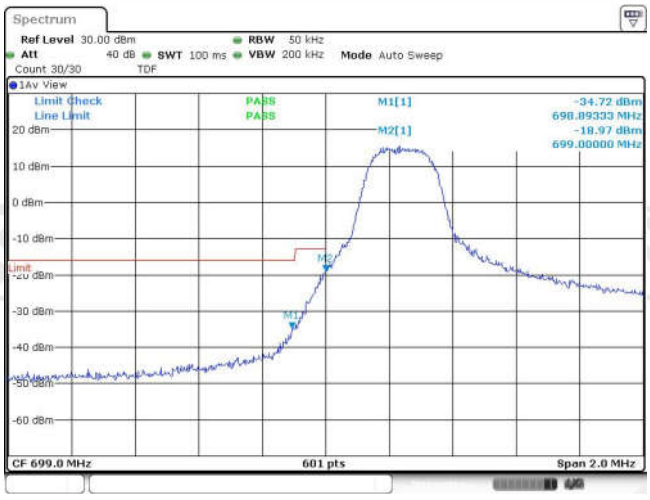


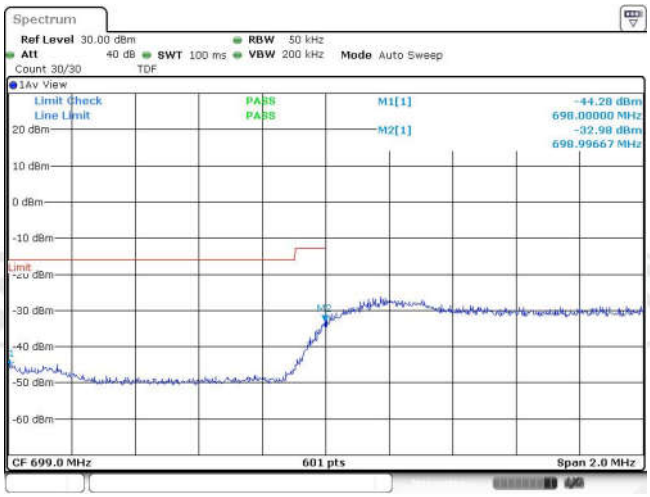

Band12-3MHz-QPSK-23165-15RB#0




Band12-3MHz-16QAM-23025-1RB#0




Band12-3MHz-16QAM-23025-1RB#14

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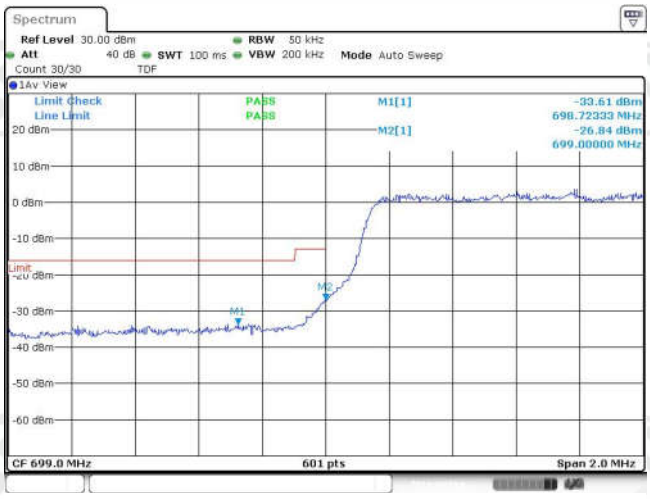


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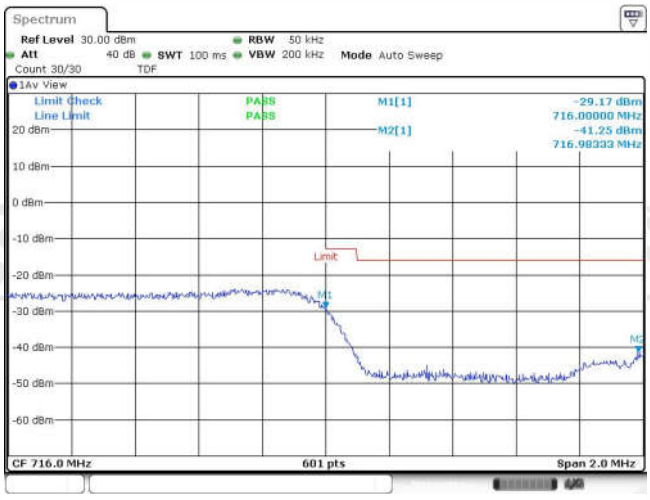


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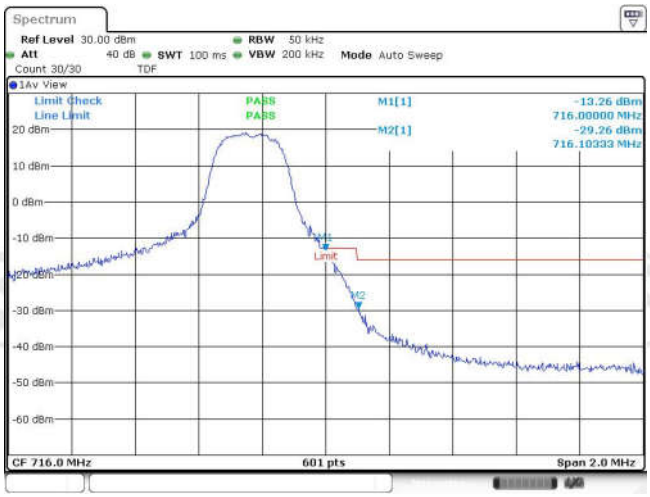


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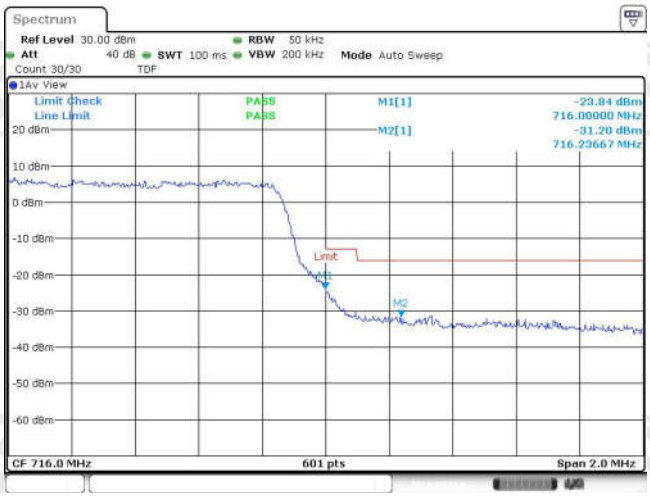
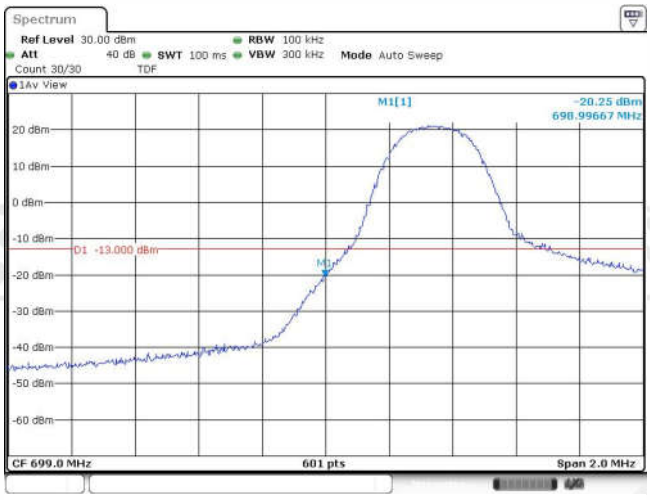



Band12-5MHz-QPSK-23035-1RB#0

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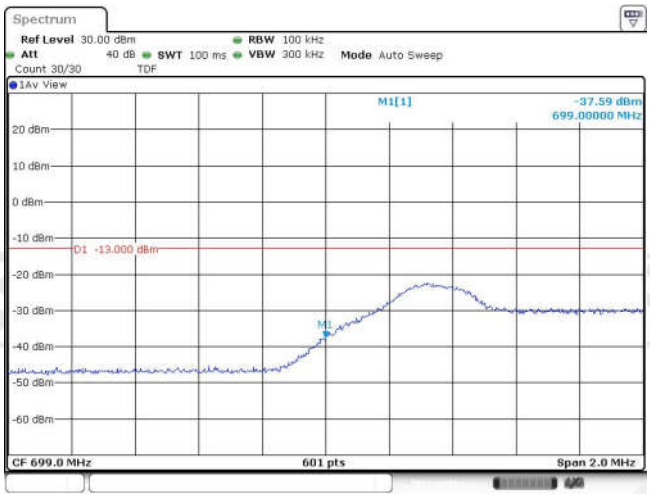


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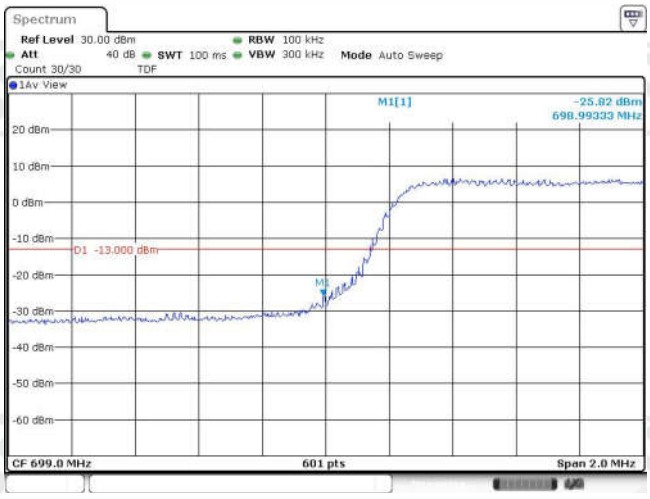


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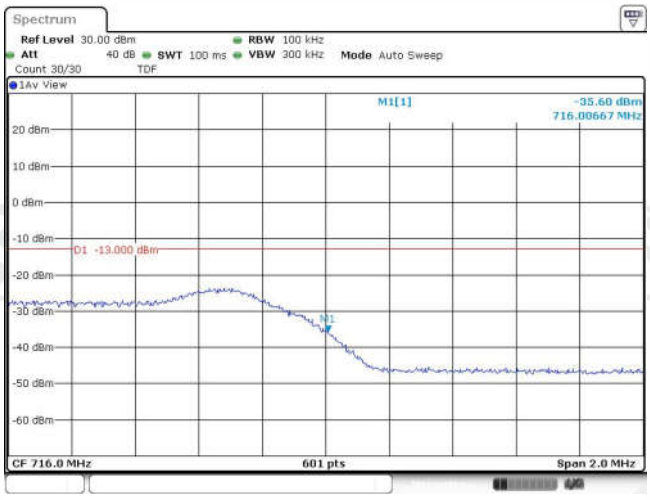


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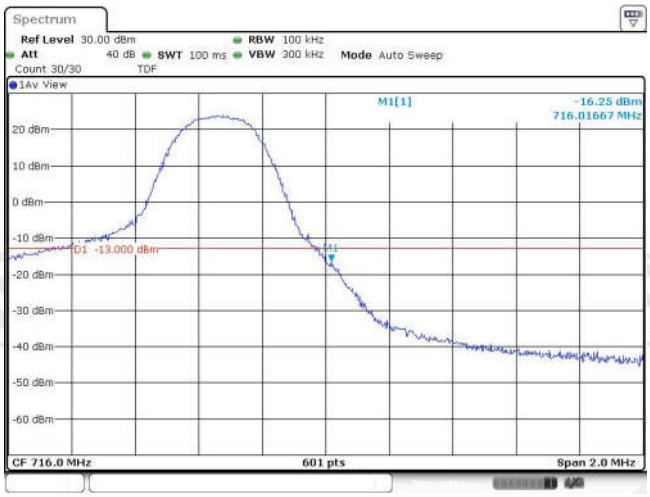


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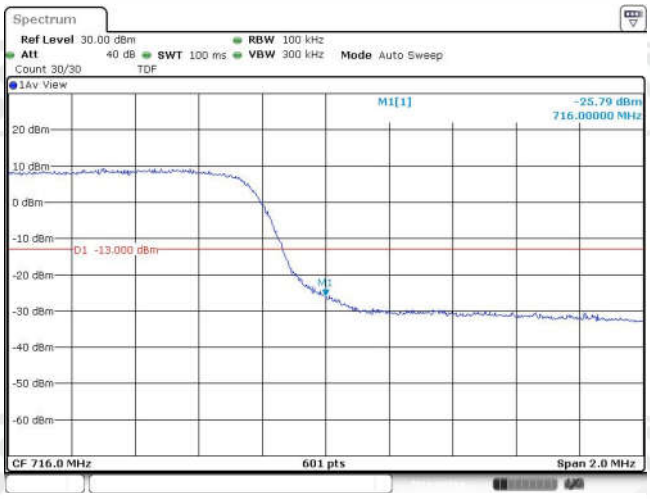


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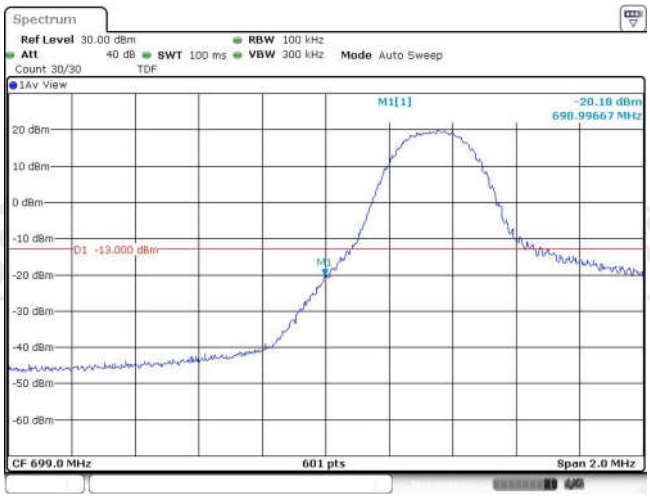


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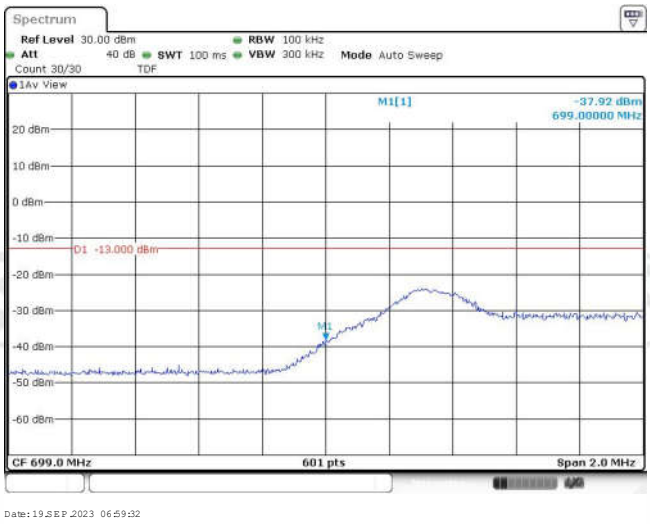


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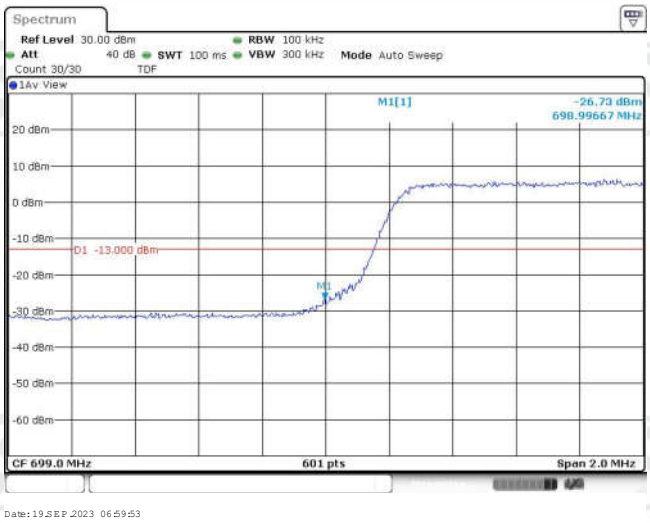


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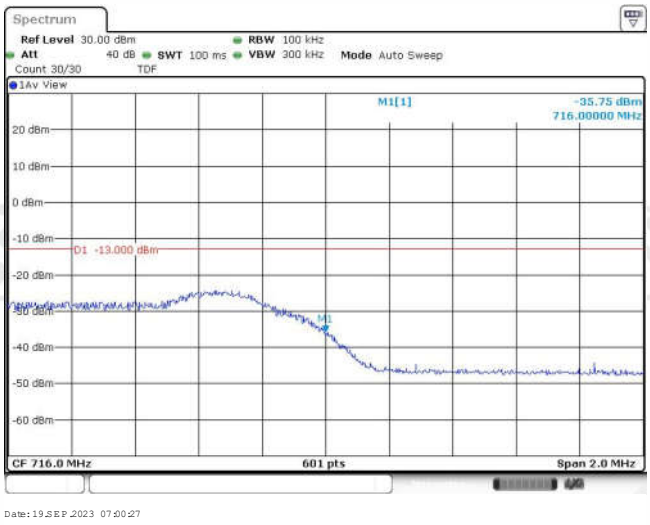


Band12-5MHz-16QAM-23155-1RB#24