

## **Appendix for LTE Band 12**

**Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD**

**Address: 80 ROBINSON ROAD #02-00  
SINGAPORE(068898)**

**Product Name: Cloudsim Kit**

**Model: GLMU24A02**

## TABLE OF CONTENTS

|                                                         |    |
|---------------------------------------------------------|----|
| APPENDIX A: CONDUCTED OUTPUT POWER DATA.....            | 3  |
| APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF).....            | 7  |
| APPENDIX C: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH ..... | 24 |
| APPENDIX D: BAND EDGE .....                             | 32 |
| APPENDIX E: CONDUCTED SPURIOUS EMISSION.....            | 49 |
| APPENDIX F: FREQUENCY STABILITY .....                   | 92 |

## Appendix A: Conducted Output Power Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.10       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 21.99       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 22.71       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2            | 21.60       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 22.43       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5            | 21.49       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 22.43       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0            | 22.29       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 22.28       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1            | 22.27       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 22.31       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3            | 22.19       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 21.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 20.52       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 22.31       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 21.22       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 22.01       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2            | 21.00       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 22.13       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5            | 21.25       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 22.10       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#0            | 21.13       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 22.38       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#1            | 21.59       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 22.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#3            | 21.66       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 21.13       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 20.57       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 22.05       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 21.30       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 22.07       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#2            | 21.00       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 22.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | 21.17       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 22.29       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 3RB#0            | 22.31       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#1            | 22.36       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 3RB#1            | 22.35       | PASS    |

|        |        |       |       |        |       |      |
|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#3  | 22.31 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.37 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0  | 21.38 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.40 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 22.51 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#0  | 21.43 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 22.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#8  | 21.20 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 22.09 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#14 | 21.12 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 21.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#0  | 21.12 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 21.14 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#4  | 21.11 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 21.11 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#7  | 21.14 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 21.09 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 15RB#0 | 20.51 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 22.20 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#0  | 21.23 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 22.01 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#8  | 21.10 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 22.15 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#14 | 21.05 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 21.31 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#0  | 20.81 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 21.42 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#4  | 20.76 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 21.25 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#7  | 20.71 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 21.20 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 15RB#0 | 20.56 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 22.70 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#0  | 21.65 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 22.33 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#8  | 21.37 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 22.15 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#14 | 21.06 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#0  | 21.59 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 8RB#0  | 21.54 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#4  | 21.58 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 8RB#4  | 21.66 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#7  | 21.59 | PASS |

|        |      |       |       |         |       |      |
|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 21.62 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0  | 21.63 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 20.63 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 22.49 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 21.51 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 22.20 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 21.13 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 22.28 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 21.03 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 21.16 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.21 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 21.20 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.23 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 21.18 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.10 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 21.01 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 20.53 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 22.17 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 21.15 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 22.07 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 21.10 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 22.67 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 21.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 21.24 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 20.91 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 21.21 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 20.85 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 21.49 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.47 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 21.13 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 20.64 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 22.65 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 21.57 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 22.64 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12  | 21.74 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 22.10 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24  | 21.15 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 21.99 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0  | 21.98 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 21.95 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6  | 21.97 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 21.71 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 21.66 | PASS |

|        |       |       |       |         |              |      |
|--------|-------|-------|-------|---------|--------------|------|
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0  | 21.74        | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 20.83        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.34        | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.16        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.34        | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.19        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 23.24        | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 22.07        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 21.52        | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.54        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 21.45        | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.41        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.02        | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.98        | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 21.59        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | <b>23.83</b> | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.39        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.71        | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 22.32        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 23.41        | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 22.19        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 21.80        | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.69        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 21.69        | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.66        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 22.25        | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 22.38        | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 22.06        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 23.68        | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 22.28        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 23.72        | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.68        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 22.73        | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 21.70        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 22.52        | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 22.43        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 22.50        | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 22.31        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 21.99        | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 22.03        | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 22.45        | PASS |

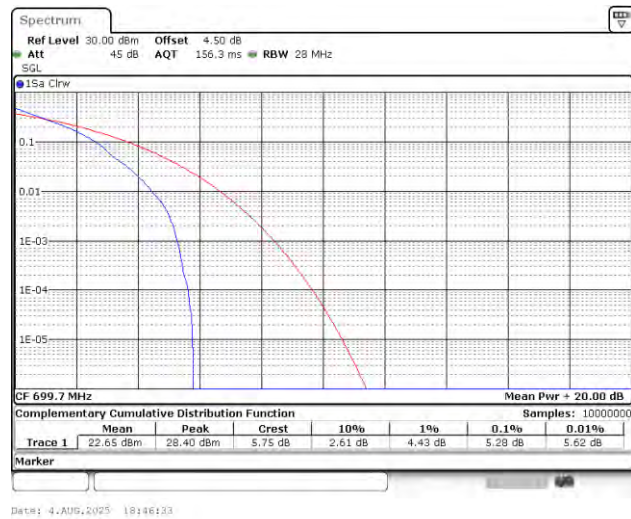
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

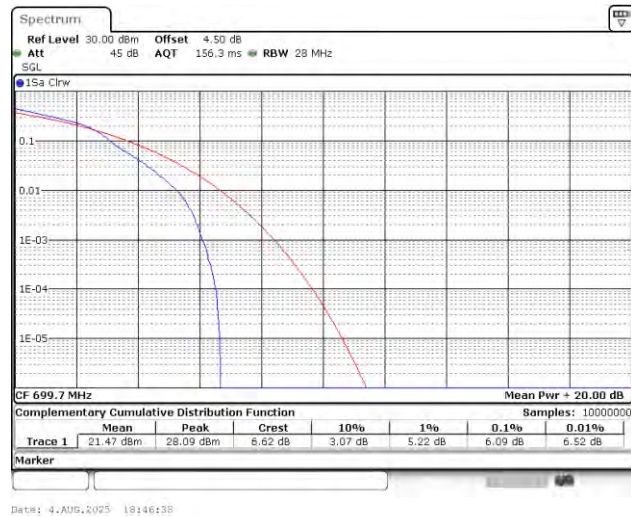
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 5.28       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 6.09       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 5.71       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 6.64       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 5.39       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 6.61       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 6.09       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 7.01       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 4.35       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 5.45       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 4.84       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 5.65       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 4.74       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 5.12       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 5.42       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 5.77       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 1RB#0            | 6.61       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 6.45       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 7.24       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 5.64       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | 4.76       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#0            | 5.67       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 5.29       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 6.11       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | 5.51       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | 6.13       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 5.72       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 6.43       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 1RB#0            | 5.50       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 1RB#0            | 6.23       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 6.28       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 7.08       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | 5.17       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#0            | 5.99       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 5.41       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 6.27       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 1RB#0            | 5.34       | 13        | PASS    |

|        |       |       |       |        |      |    |      |
|--------|-------|-------|-------|--------|------|----|------|
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0  | 6.24 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0 | 5.94 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0  | 4.97 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0  | 6.09 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0 | 6.01 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0  | 5.39 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0  | 6.19 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0 | 5.53 | 13 | PASS |

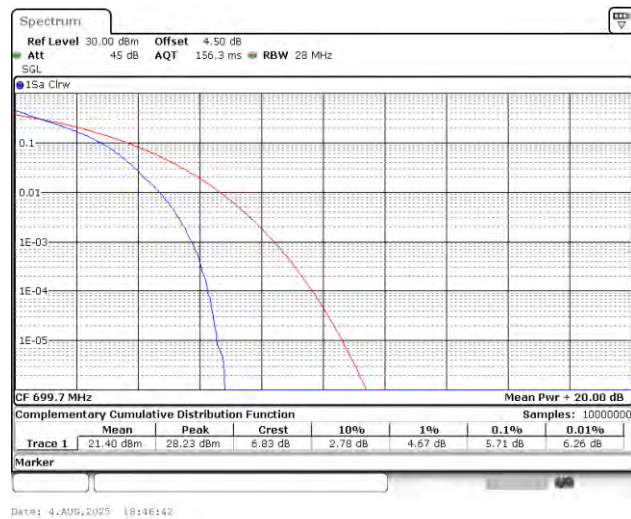
## Test Graphs



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



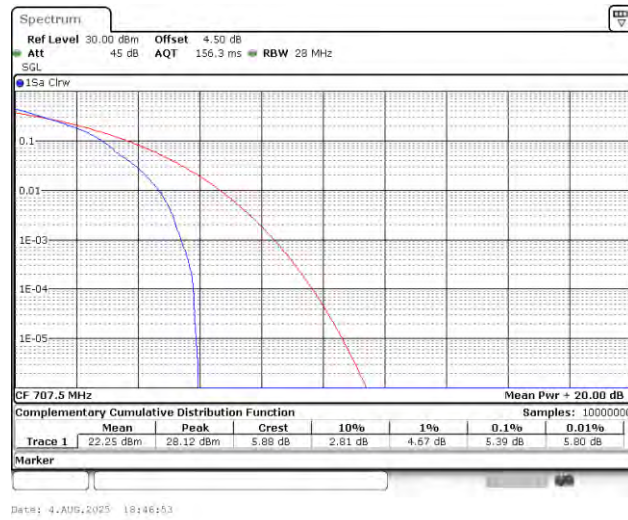
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



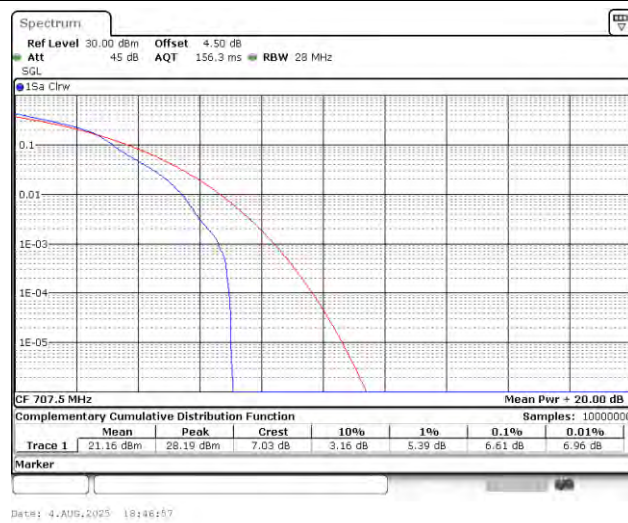
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



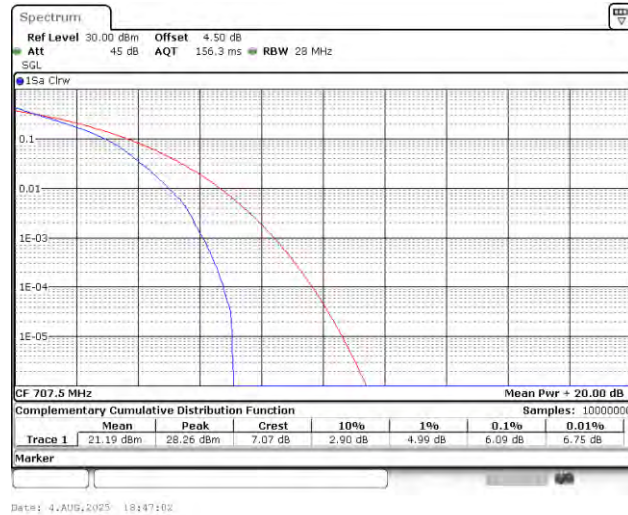
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



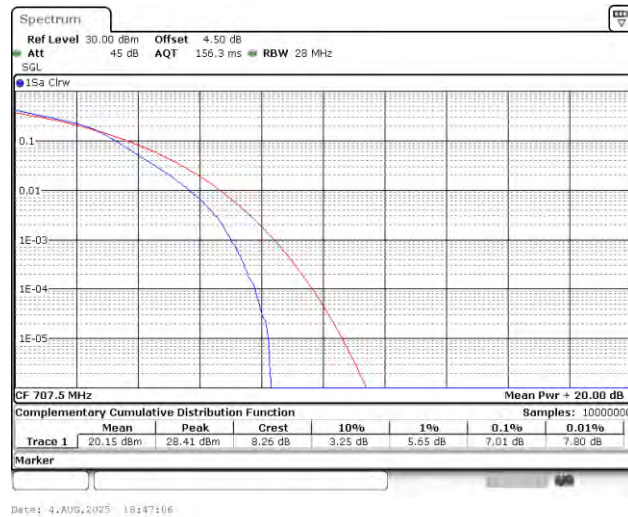
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



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



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



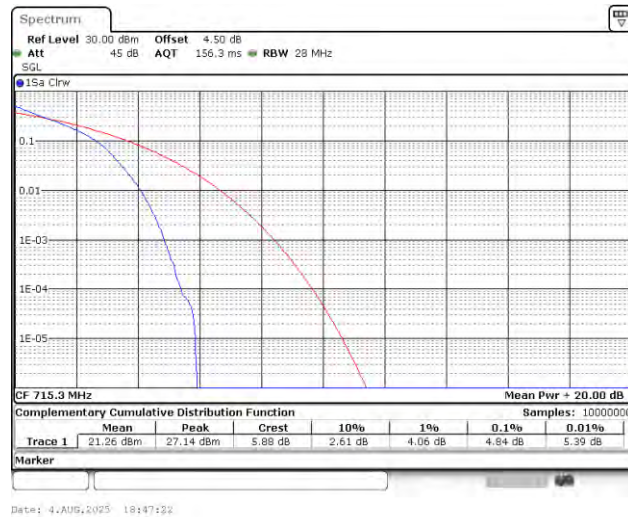
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



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



### Band12-1.4MHz-16QAM-23173-1RB#0-PASS



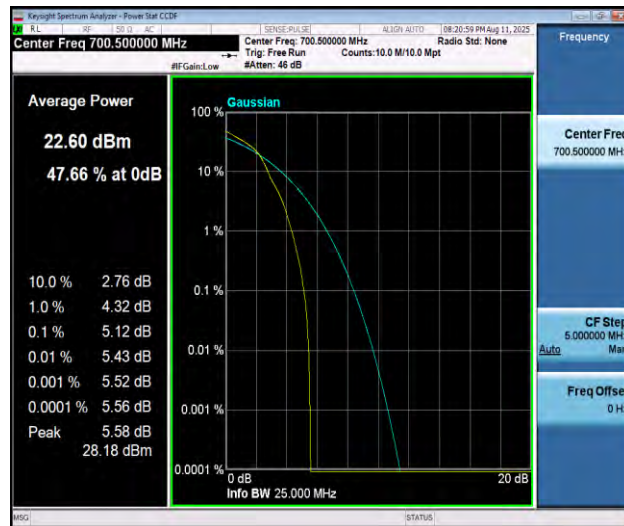
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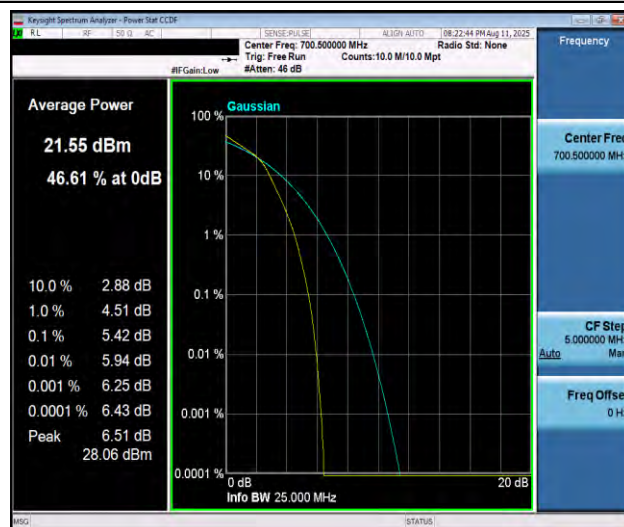
### Band12-1.4MHz-16QAM-23173-6RB#0-PASS



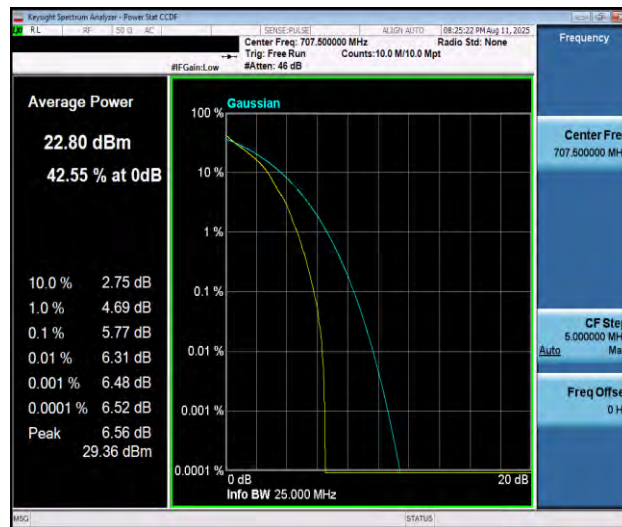
Band12-3MHz-QPSK-23025-1RB#0-PASS



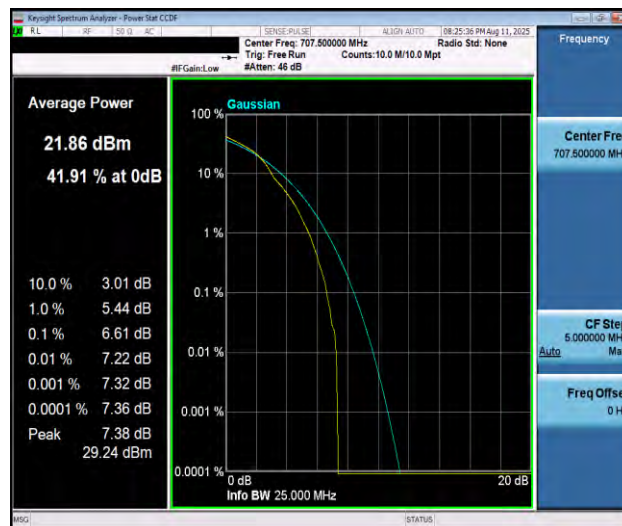
Band12-3MHz-16QAM-23025-1RB#0-PASS



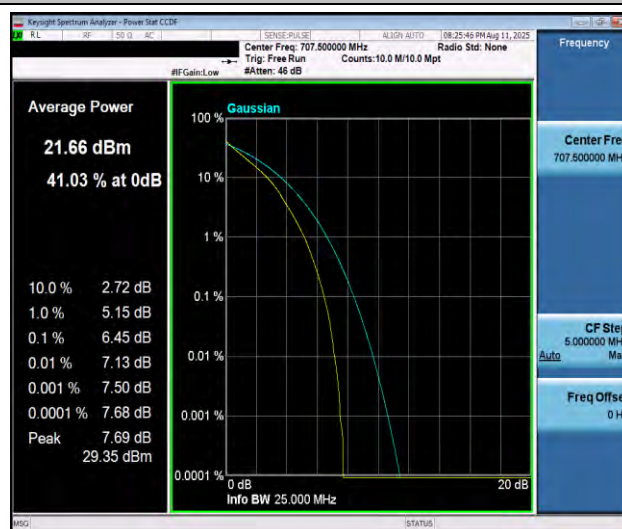
Band12-3MHz-16QAM-23025-15RB#0-PASS



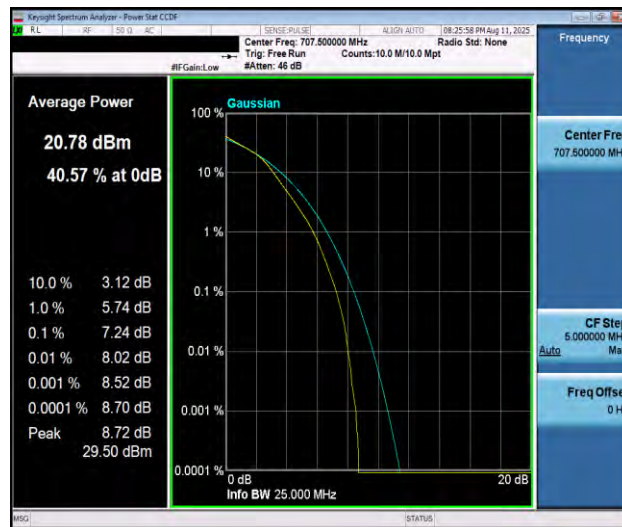
Band12-3MHz-QPSK-23095-1RB#0-PASS



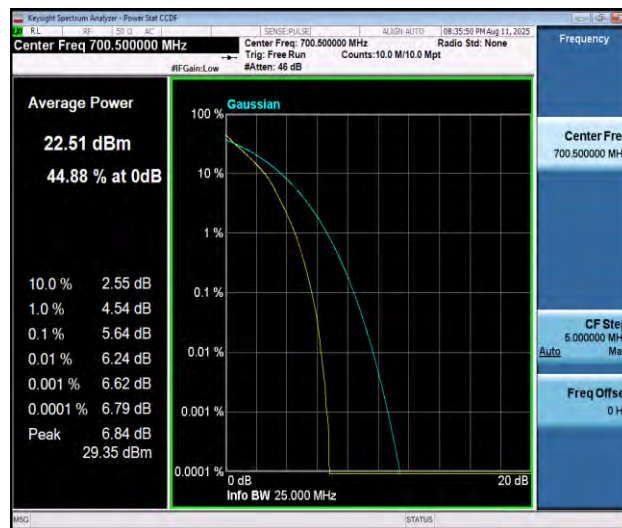
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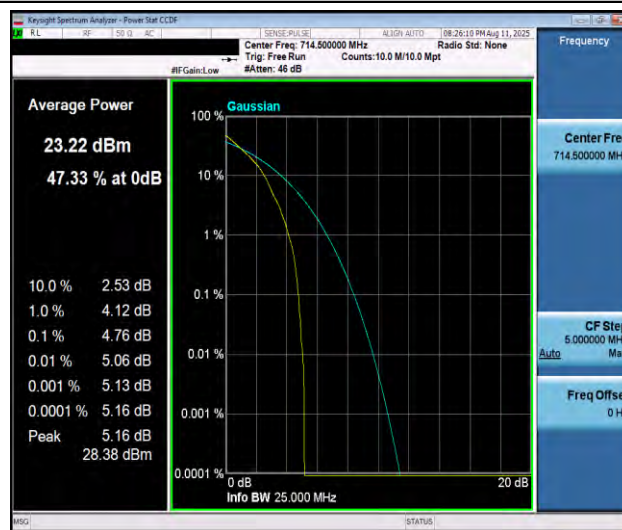
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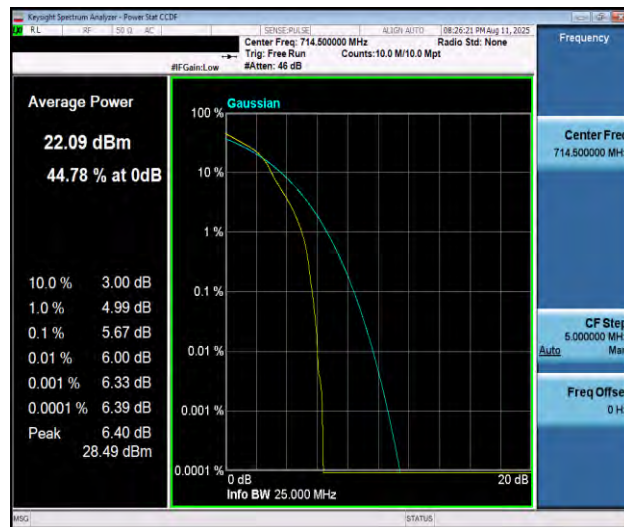
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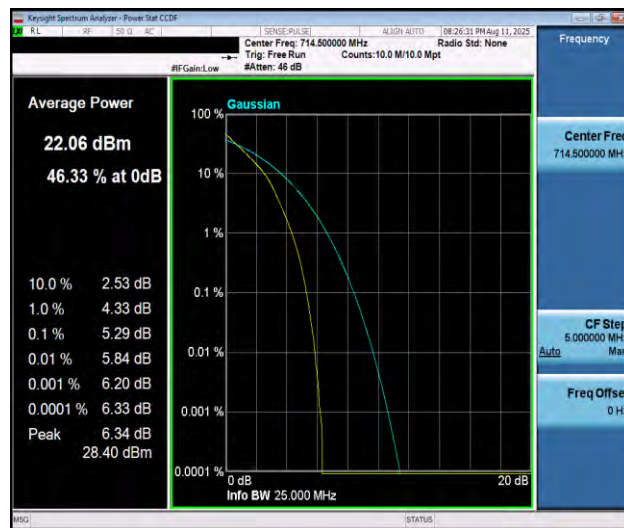
Band12-3MHz-QPSK-23025-15RB#0-PASS



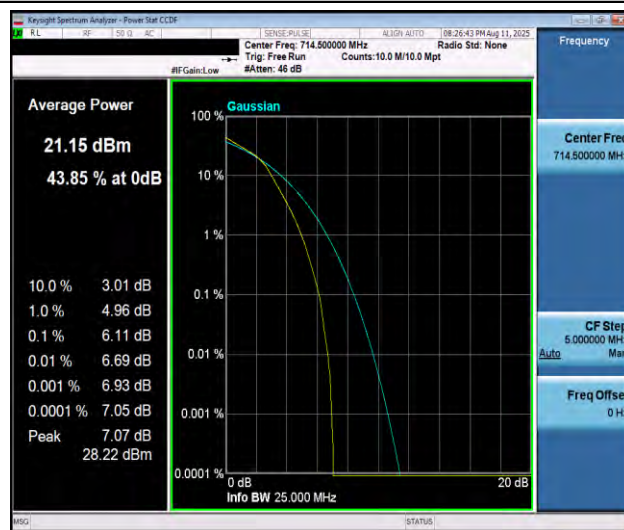
Band12-3MHz-QPSK-23165-1RB#0-PASS



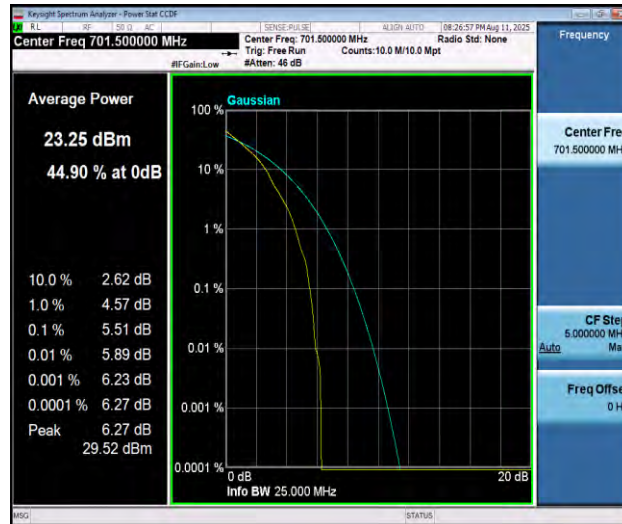
Band12-3MHz-16QAM-23165-1RB#0-PASS



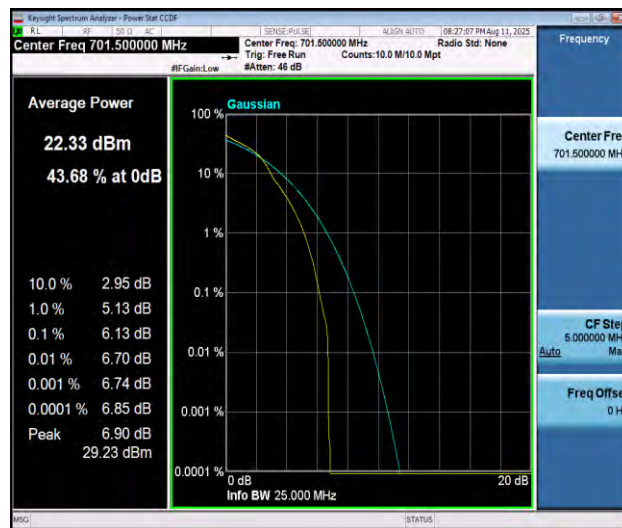
Band12-3MHz-QPSK-23165-15RB#0-PASS



Band12-3MHz-16QAM-23165-15RB#0-PASS



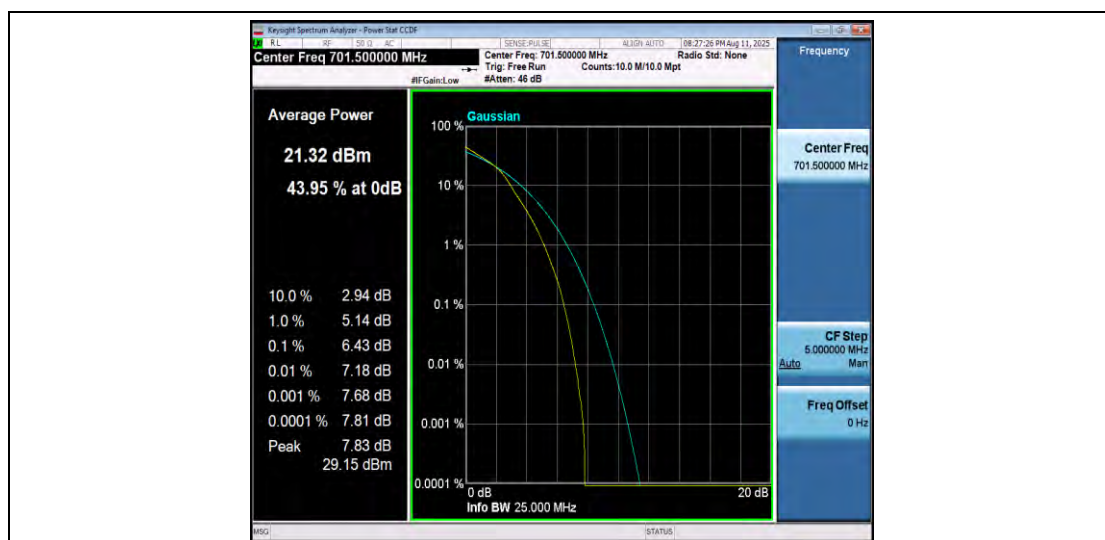
Band12-5MHz-QPSK-23035-1RB#0-PASS



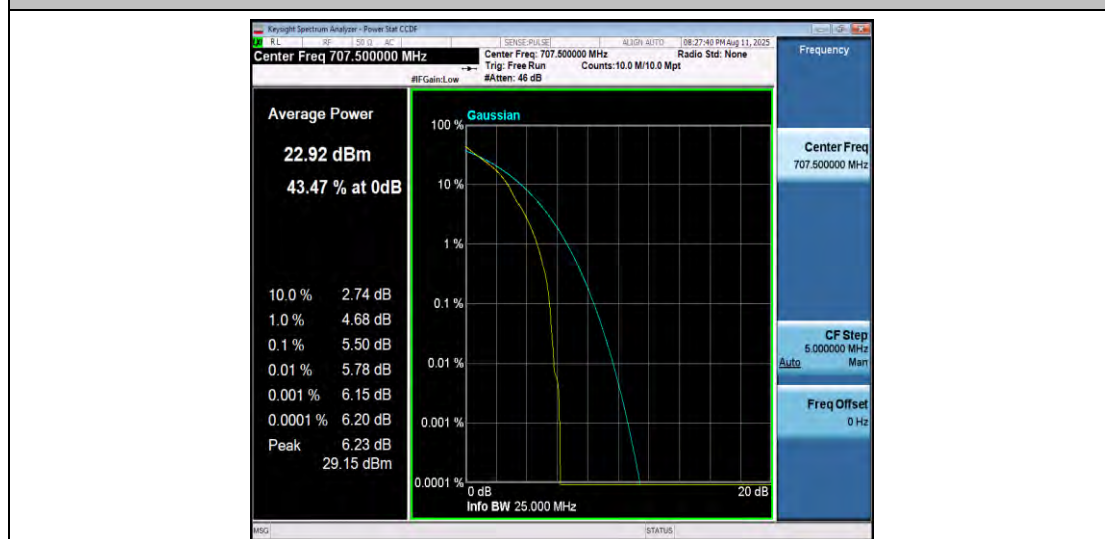
Band12-5MHz-16QAM-23035-1RB#0-PASS



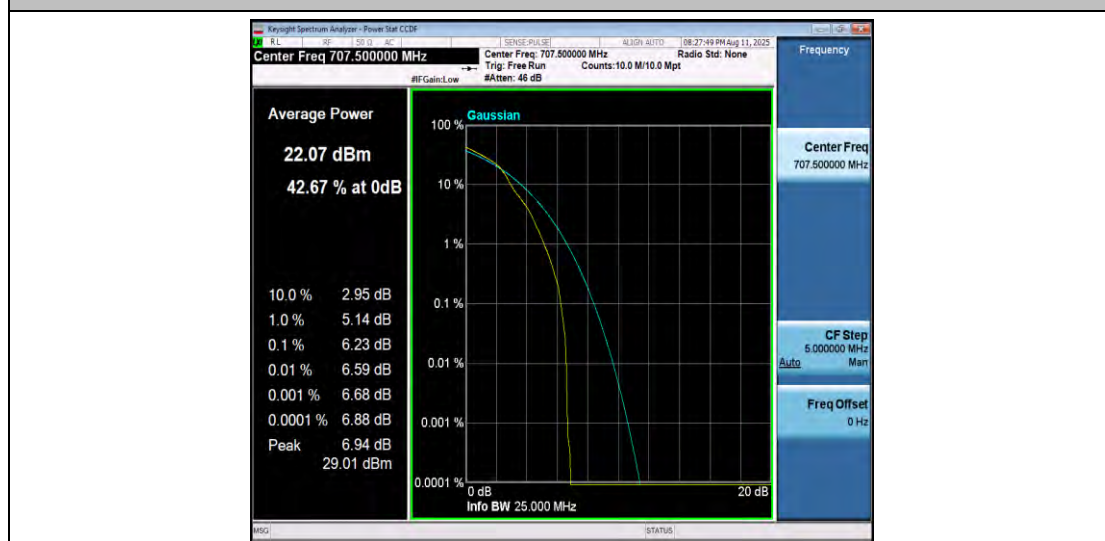
Band12-5MHz-QPSK-23035-25RB#0-PASS



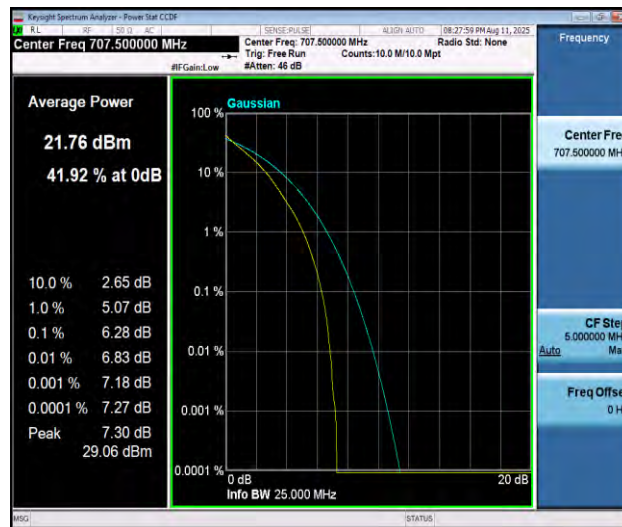
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Band12-5MHz-QPSK-23095-1RB#0-PASS



Band12-5MHz-16QAM-23095-1RB#0-PASS



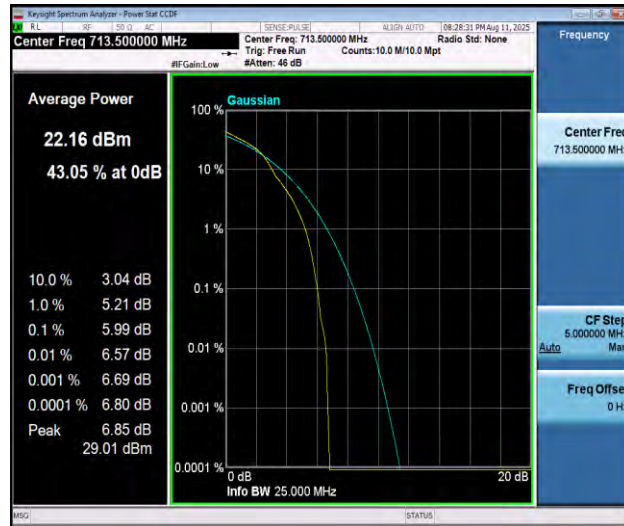
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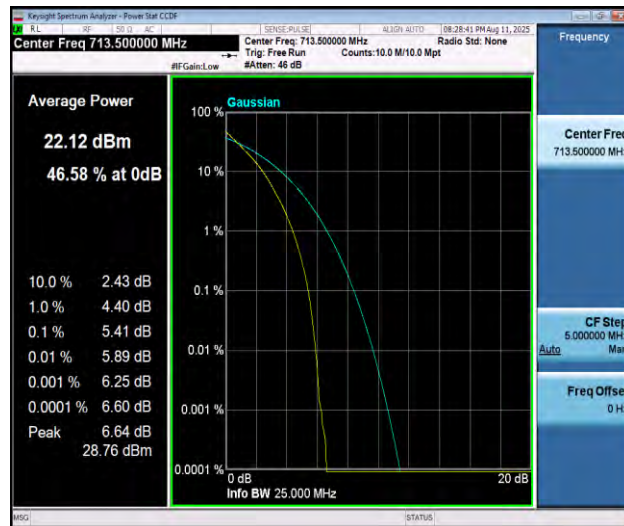
Band12-5MHz-16QAM-23095-25RB#0-PASS



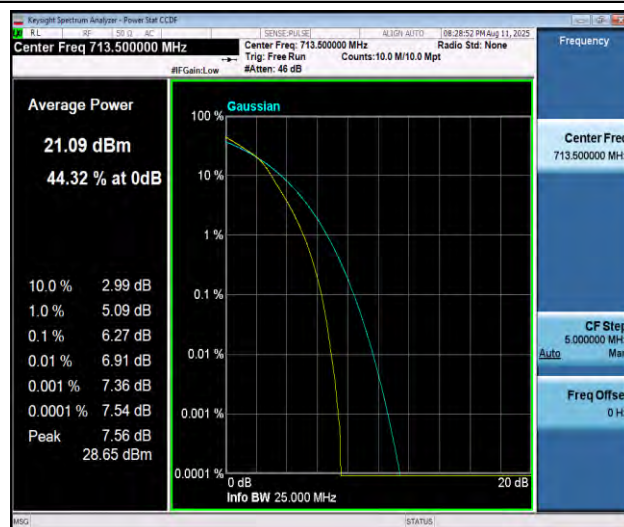
Band12-5MHz-QPSK-23155-1RB#0-PASS



Band12-5MHz-16QAM-23155-1RB#0-PASS



Band12-5MHz-QPSK-23155-25RB#0-PASS



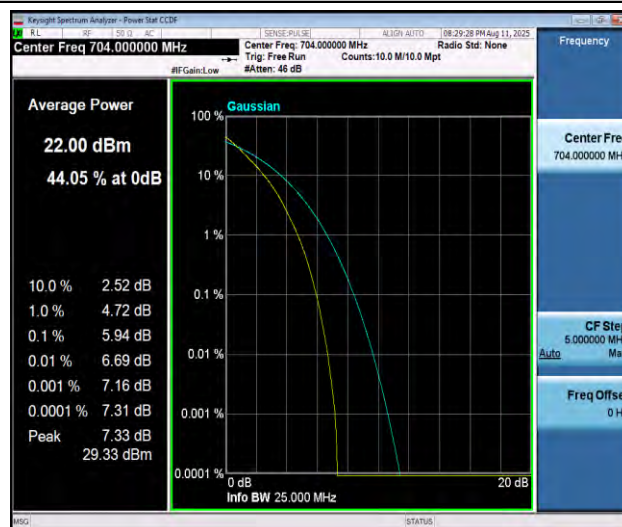
Band12-5MHz-16QAM-23155-25RB#0-PASS



Band12-10MHz-QPSK-23060-1RB#0-PASS



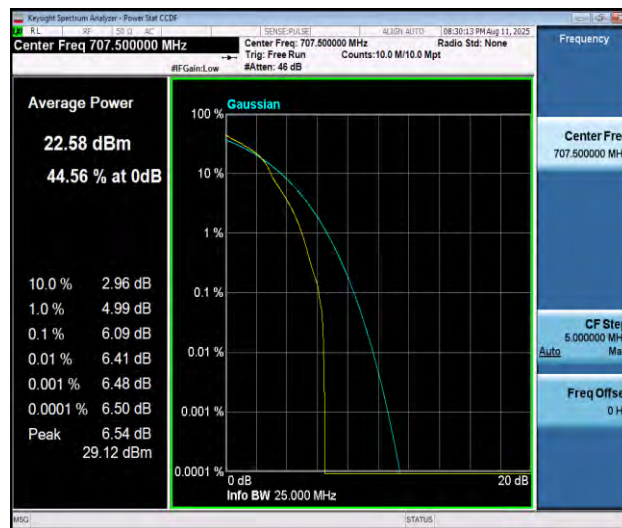
Band12-10MHz-16QAM-23060-1RB#0-PASS



Band12-10MHz-QPSK-23060-50RB#0-PASS



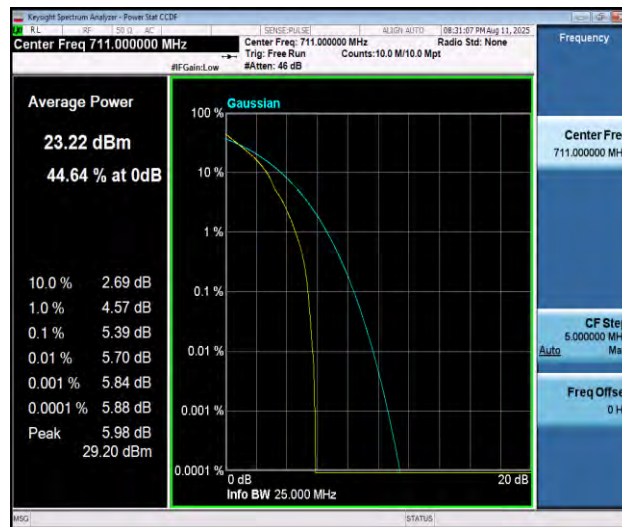
Band12-10MHz-QPSK-23095-1RB#0-PASS



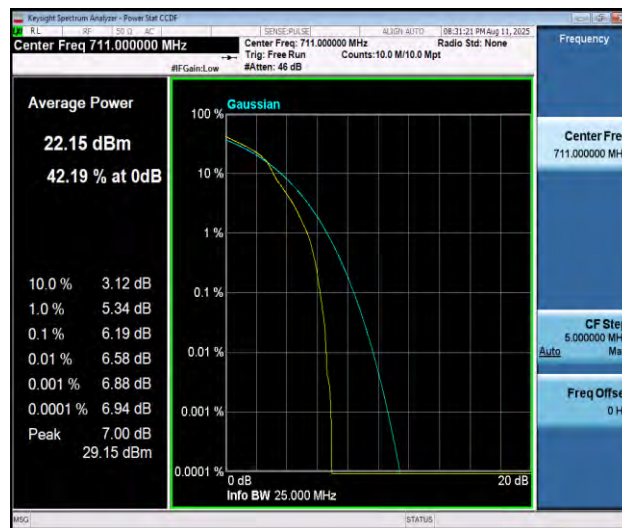
Band12-10MHz-16QAM-23095-1RB#0-PASS



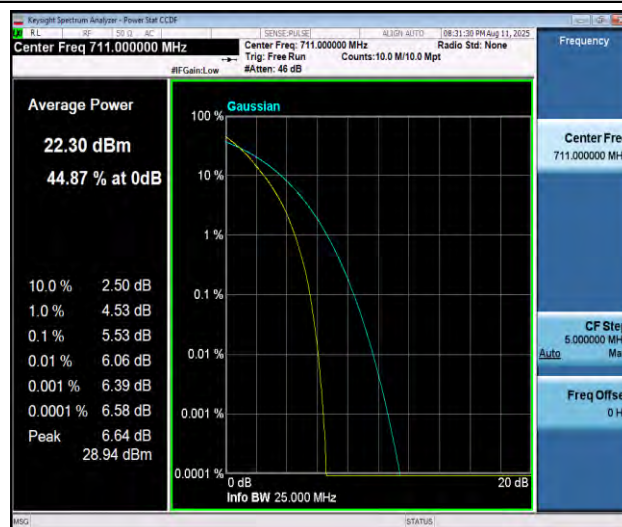
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



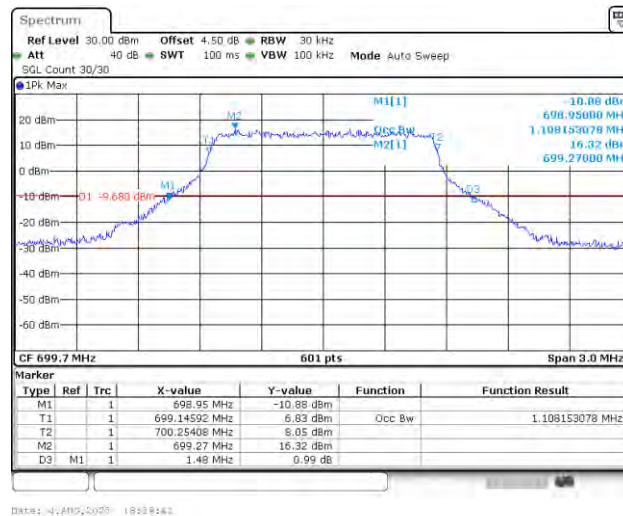
Band12-10MHz-QPSK-23130-50RB#0-PASS

## Appendix C: 26dB Bandwidth and Occupied Bandwidth

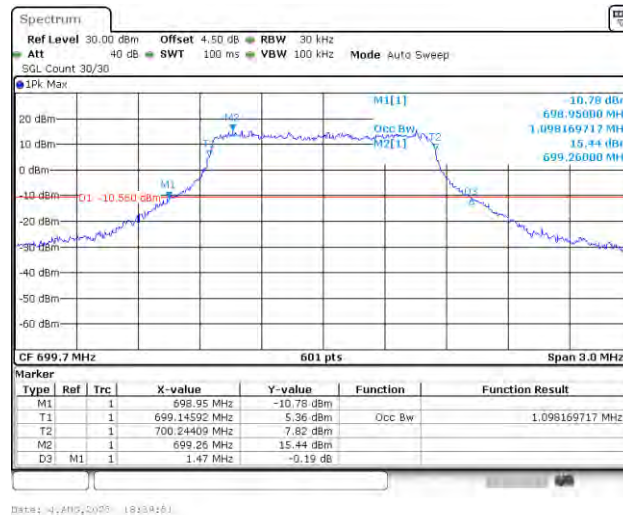
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 1.108                    | 1.48                 | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.098                    | 1.47                 | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.103                    | 1.50                 | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.118                    | 1.52                 | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.103                    | 1.45                 | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.113                    | 1.51                 | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.696                    | 3.14                 | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.696                    | 3.12                 | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.705                    | 3.18                 | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.715                    | 3.20                 | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.696                    | 3.16                 | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.696                    | 3.14                 | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.496                    | 5.09                 | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.496                    | 5.10                 | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.5144                   | 5.138                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.5055                   | 5.119                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.4830                   | 5.088                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.4869                   | 5.059                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 9.0227                   | 9.843                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 9.0427                   | 9.948                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.9570                   | 9.842                | PASS    |

## Test Graphs



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



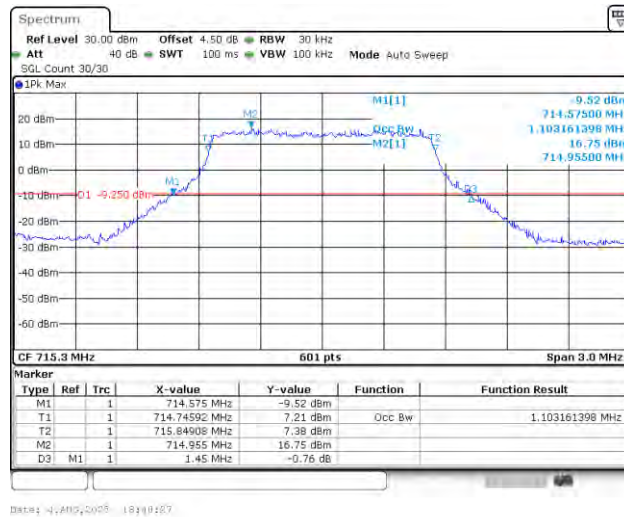
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



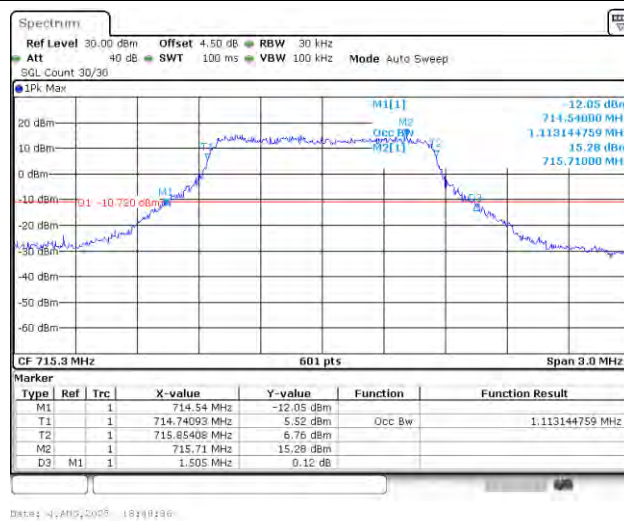
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



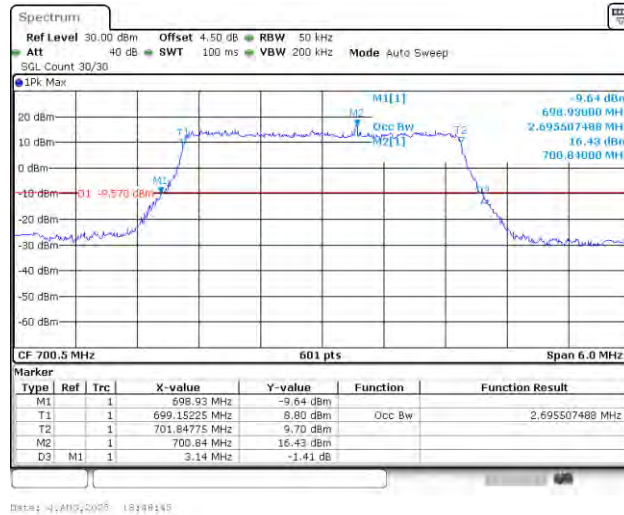
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



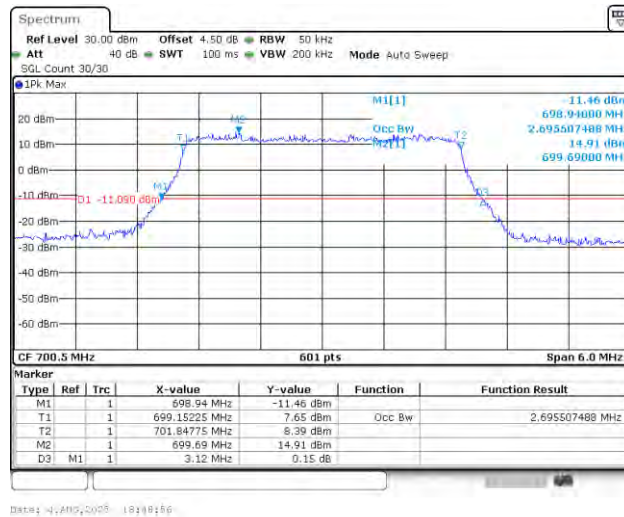
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



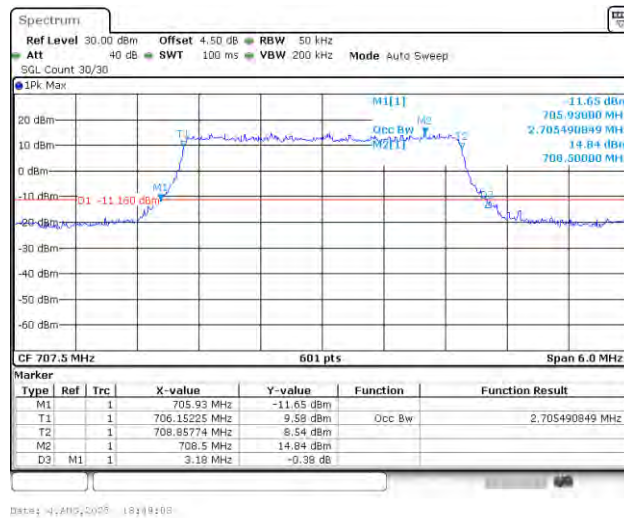
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



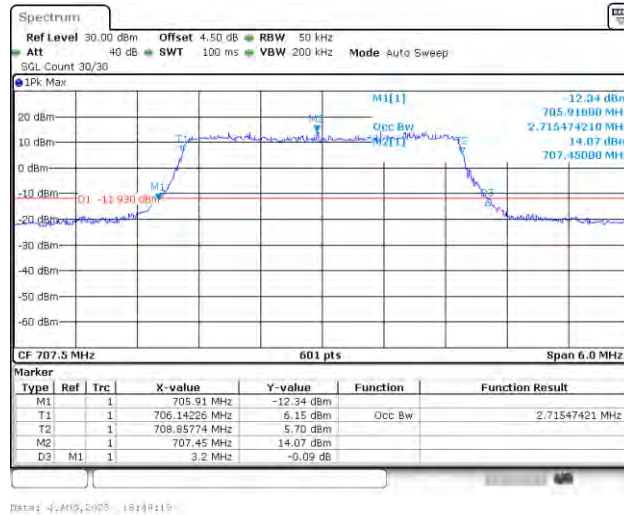
Band12-3MHz-QPSK-23025-15RB#0-PASS



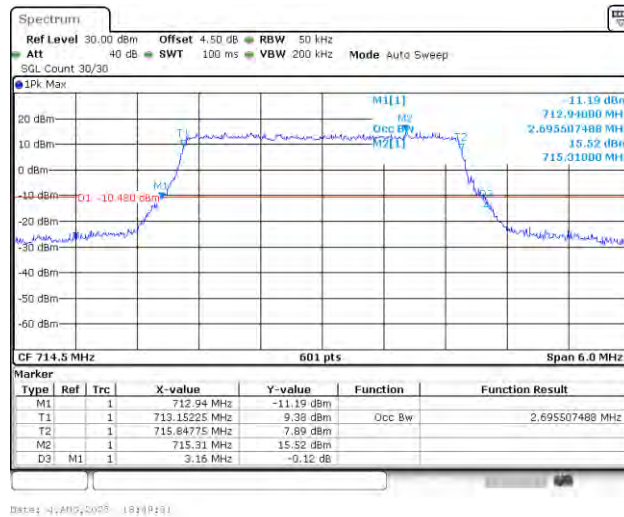
Band12-3MHz-16QAM-23025-15RB#0-PASS



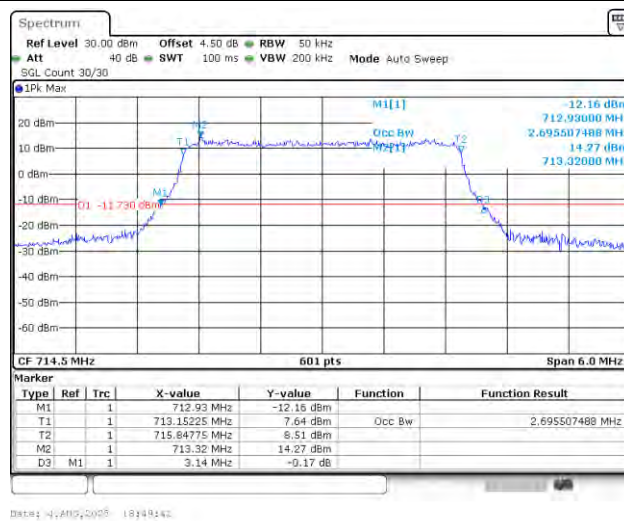
Band12-3MHz-QPSK-23095-15RB#0-PASS



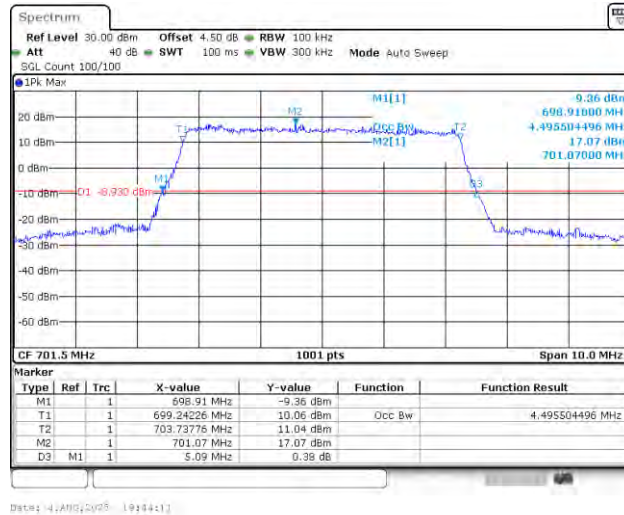
Band12-3MHz-16QAM-23095-15RB#0-PASS



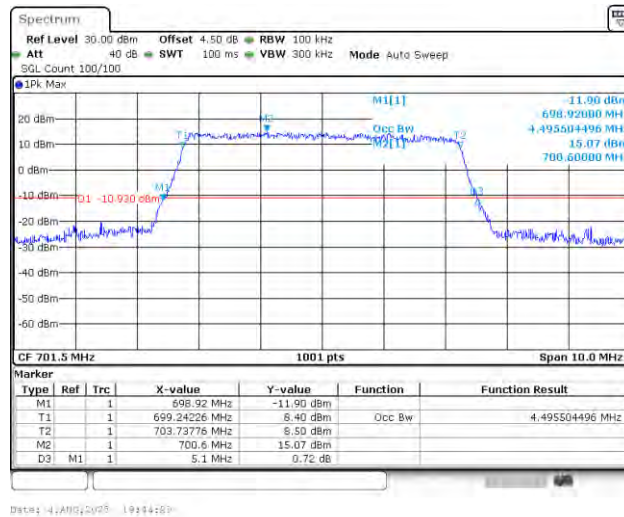
Band12-3MHz-QPSK-23165-15RB#0-PASS



Band12-3MHz-16QAM-23165-15RB#0-PASS



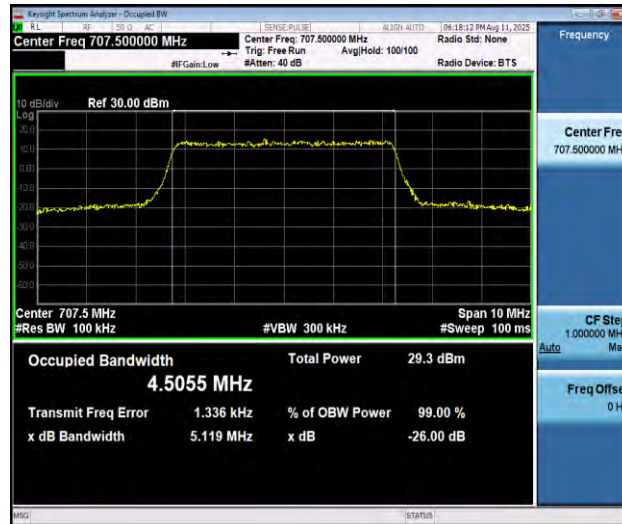
Band12-5MHz-QPSK-23035-25RB#0-PASS



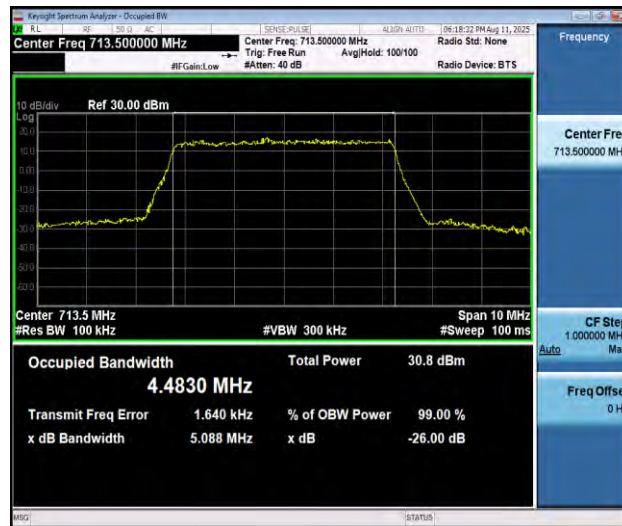
Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-25RB#0-PASS



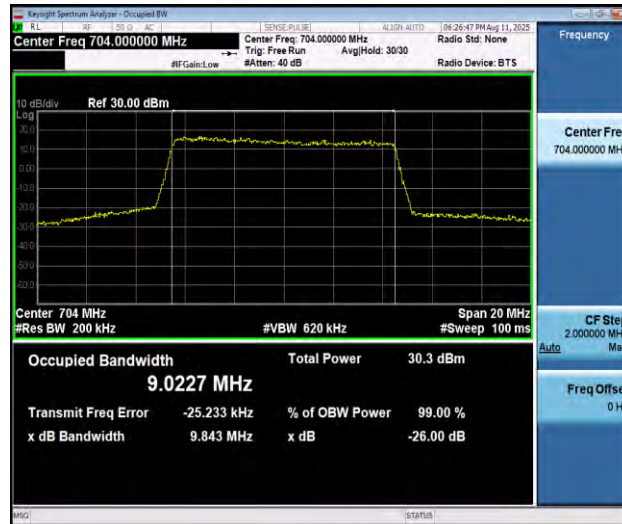
Band12-5MHz-16QAM-23095-25RB#0-PASS



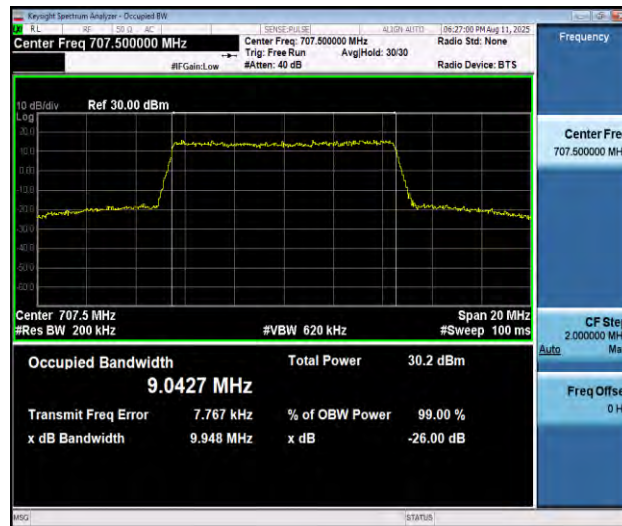
Band12-5MHz-QPSK-23155-25RB#0-PASS



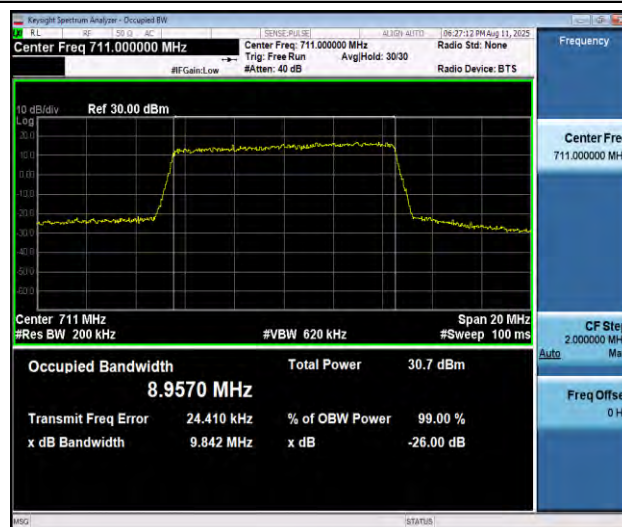
Band12-5MHz-16QAM-23155-25RB#0-PASS



Band12-10MHz-QPSK-23060-50RB#0-PASS



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



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

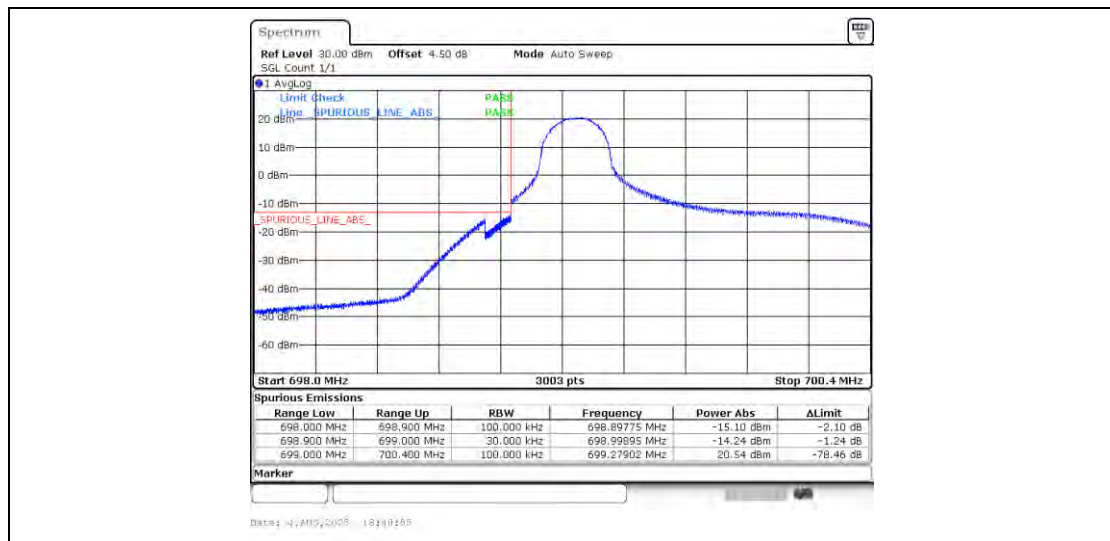
## Appendix D: Band Edge

### Test Result

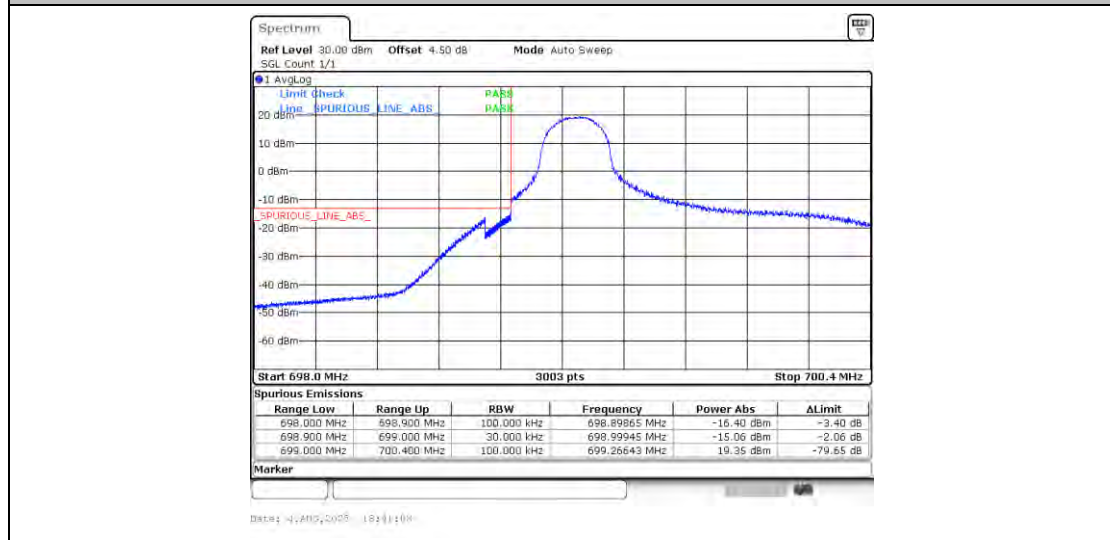
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | -14.24      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | -15.06      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | -20.14      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5            | -21.03      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | -18.87      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | -20.41      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | -21.60      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | -22.23      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | -14.91      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | -15.24      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | -20.30      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | -20.87      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | -13.17      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | -14.39      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#14           | -23.32      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#14           | -23.32      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | -22.59      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | -23.26      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | -24.97      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#0            | -25.99      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#14           | -13.74      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#14           | -15.39      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | -22.82      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | -23.78      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | -19.89      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#24           | -31.81      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#24           | -33.18      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | -26.95      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | -27.78      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | -33.53      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#0            | -35.68      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | -19.68      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#24           | -19.88      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#24           | -20.69      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | -29.72      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | -30.05      | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 1RB#0            | -30.82      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 1RB#0            | -30.85      | PASS    |

|        |       |       |       |        |        |      |
|--------|-------|-------|-------|--------|--------|------|
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49 | -44.08 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | -44.22 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0  | -44.66 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0  | -45.31 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49 | -30.81 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | -30.60 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0 | -31.00 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0 | -29.16 | PASS |

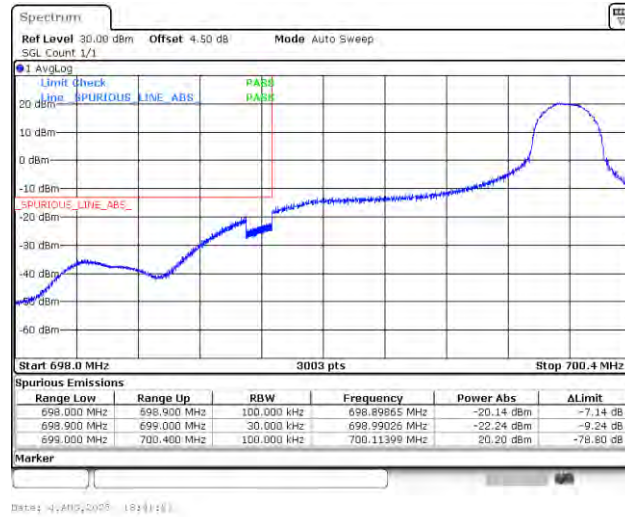
## Test Graphs



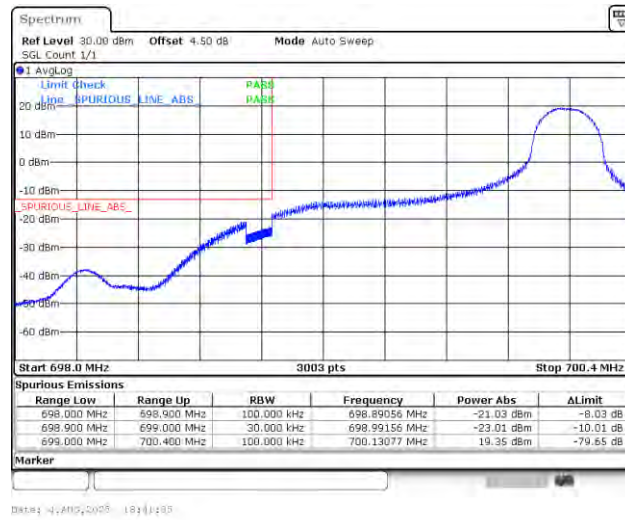
Band12\_1.4MHz\_QPSK\_23017\_1RB#0



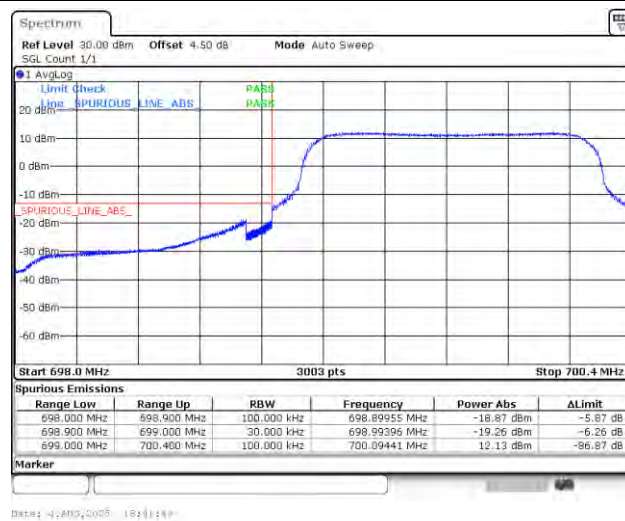
Band12\_1.4MHz\_16QAM\_23017\_1RB#0



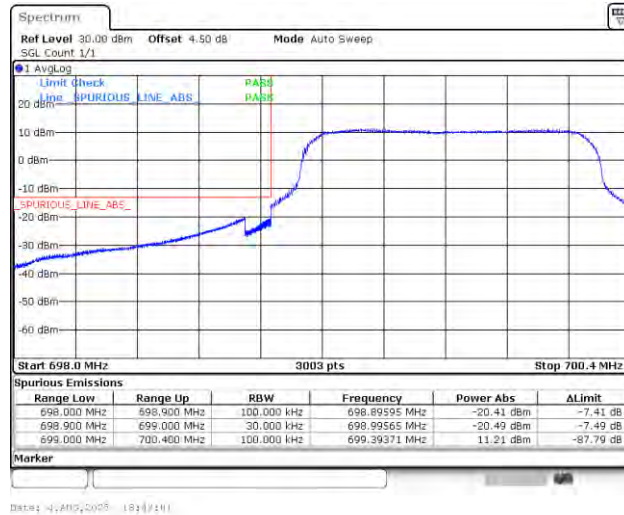
Band12\_1.4MHz\_QPSK\_23017\_1RB#5



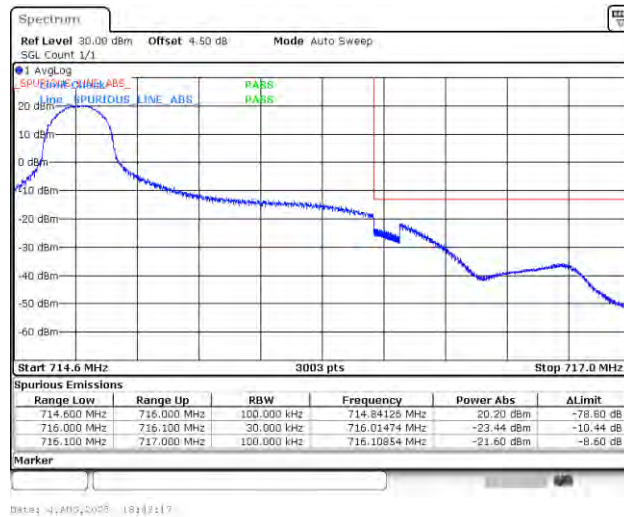
Band12\_1.4MHz\_16QAM\_23017\_1RB#5



Band12\_1.4MHz\_QPSK\_23017\_6RB#0



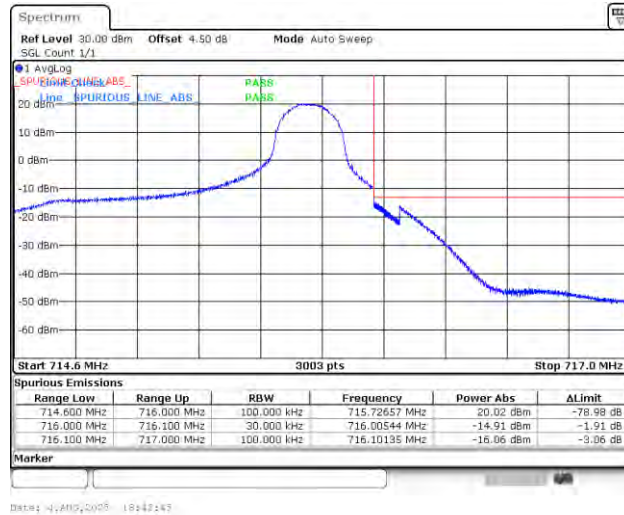
Band12\_1.4MHz\_16QAM\_23017\_6RB#0



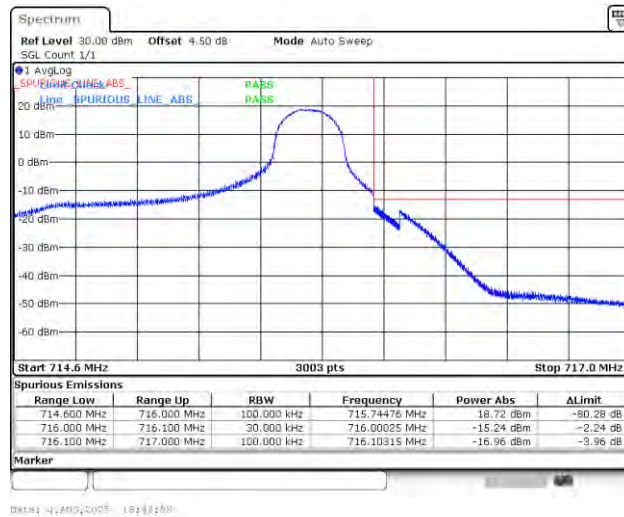
Band12\_1.4MHz\_QPSK\_23173\_1RB#0



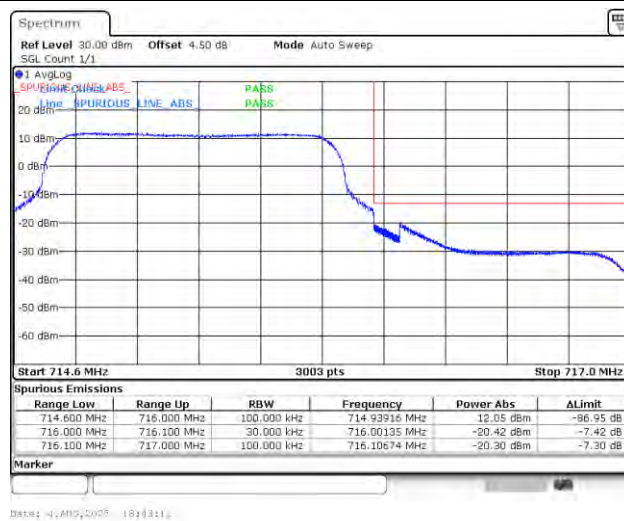
Band12\_1.4MHz\_16QAM\_23173\_1RB#0



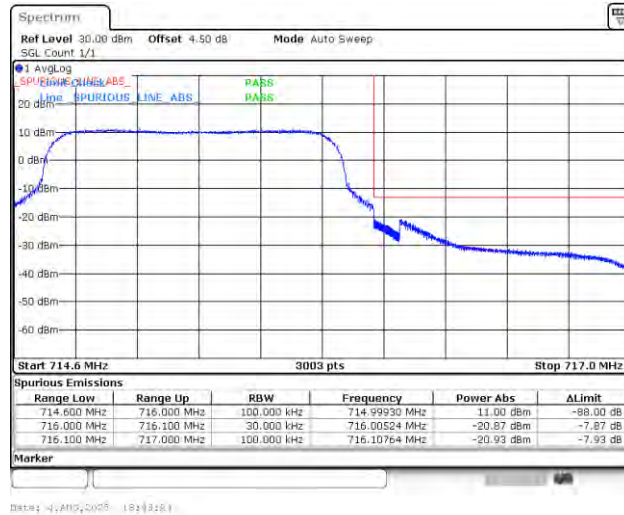
Band12\_1.4MHz\_QPSK\_23173\_1RB#5



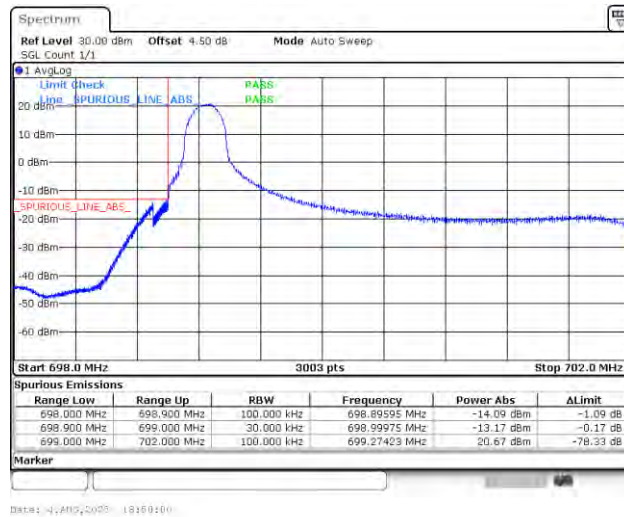
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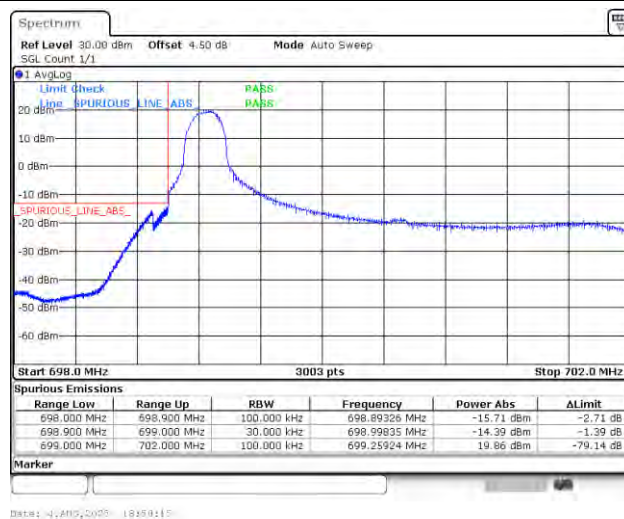
Band12\_1.4MHz\_QPSK\_23173\_6RB#0



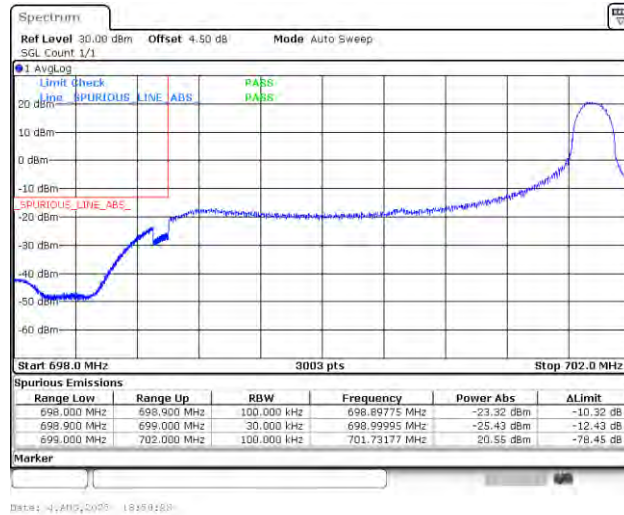
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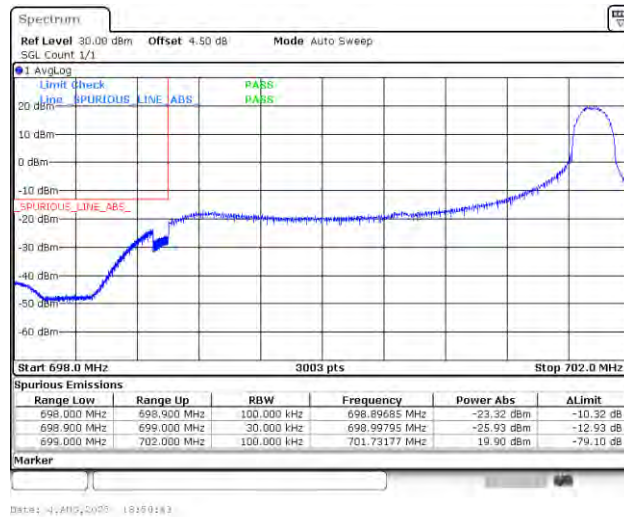
Band12\_3MHz\_QPSK\_23025\_1RB#0



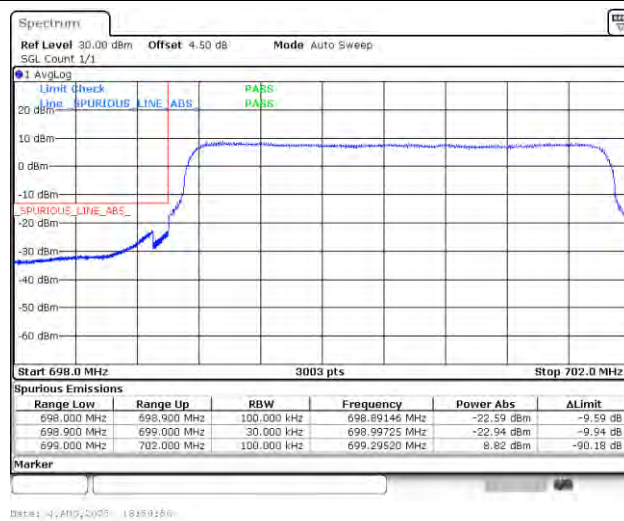
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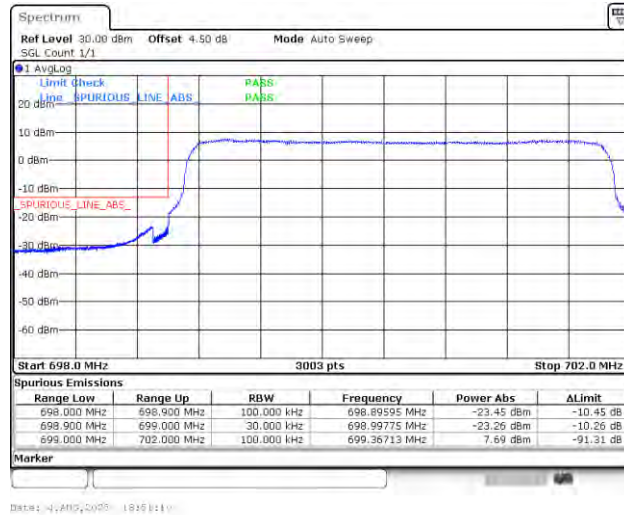
Band12\_3MHz\_QPSK\_23025\_1RB#14



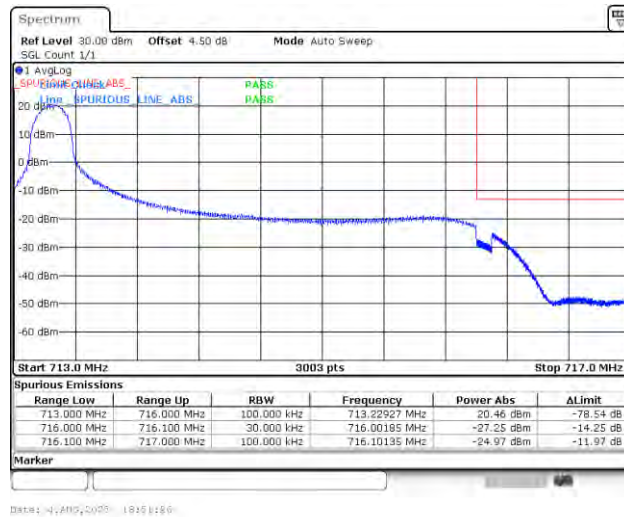
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Band12\_3MHz\_QPSK\_23025\_15RB#0



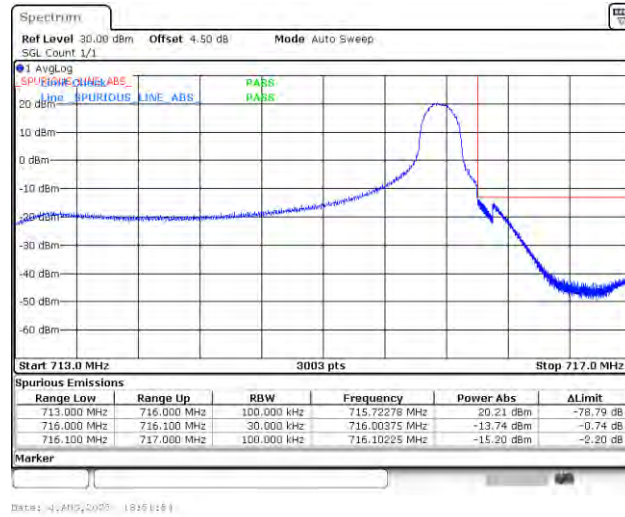
Band12\_3MHz\_16QAM\_23025\_15RB#0



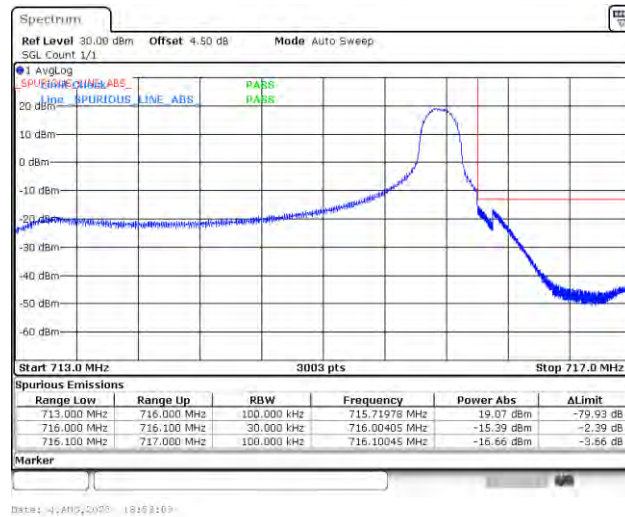
Band12\_3MHz\_QPSK\_23165\_1RB#0



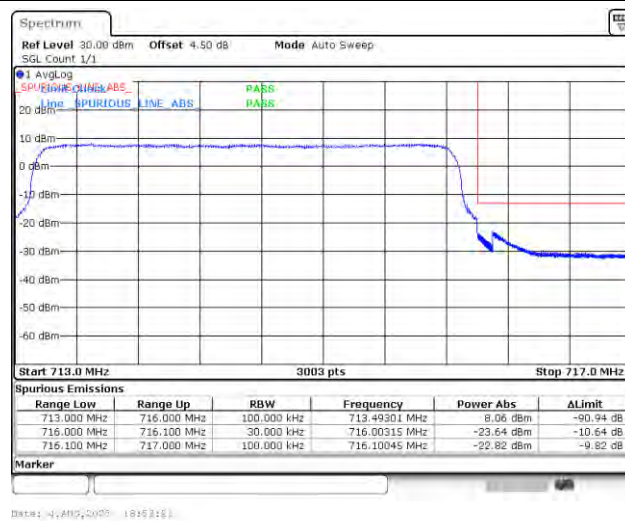
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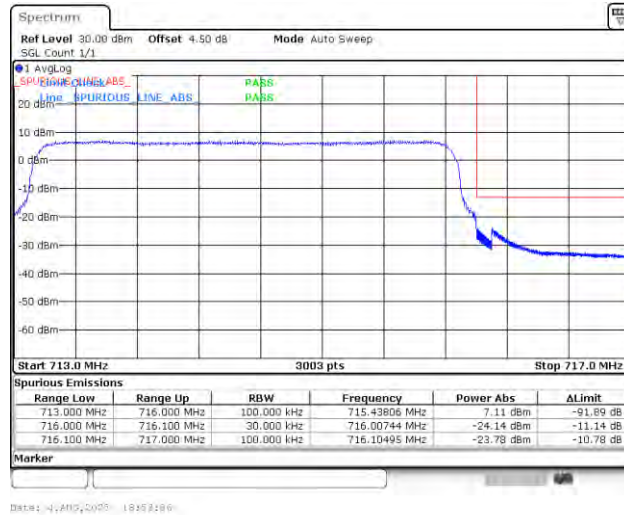
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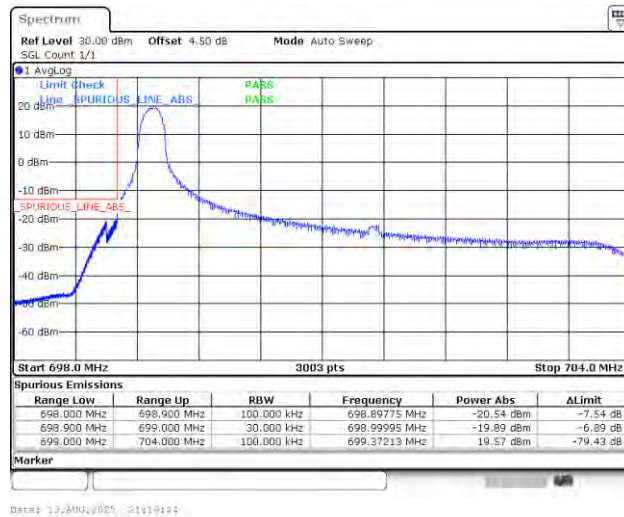
Band12\_3MHz\_16QAM\_23165\_1RB#14



Band12\_3MHz\_QPSK\_23165\_15RB#0



Band12\_3MHz\_16QAM\_23165\_15RB#0



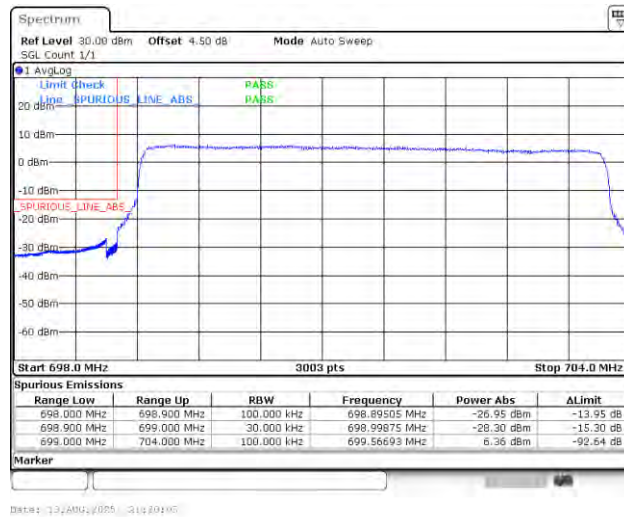
Band12\_5MHz\_16QAM\_23035\_1RB#0



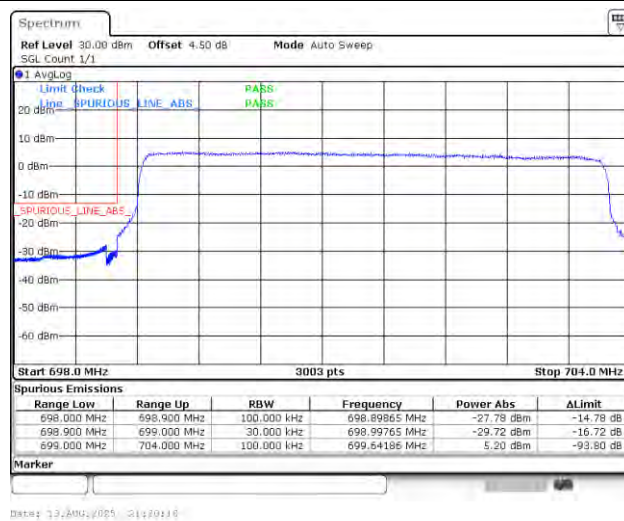
Band12\_5MHz\_QPSK\_23035\_1RB#24



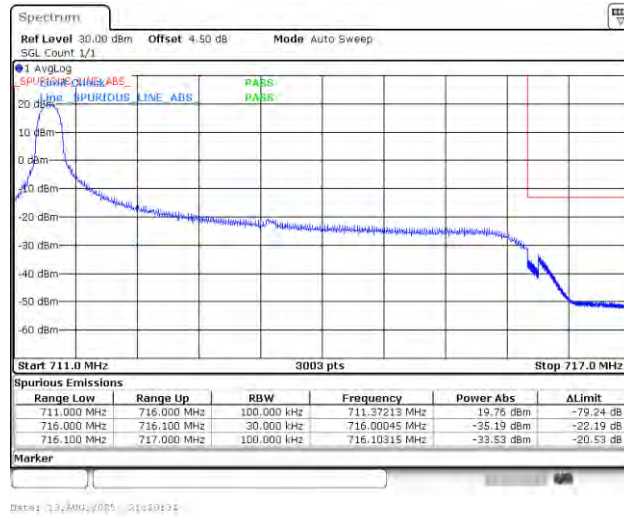
Band12\_5MHz\_16QAM\_23035\_1RB#24



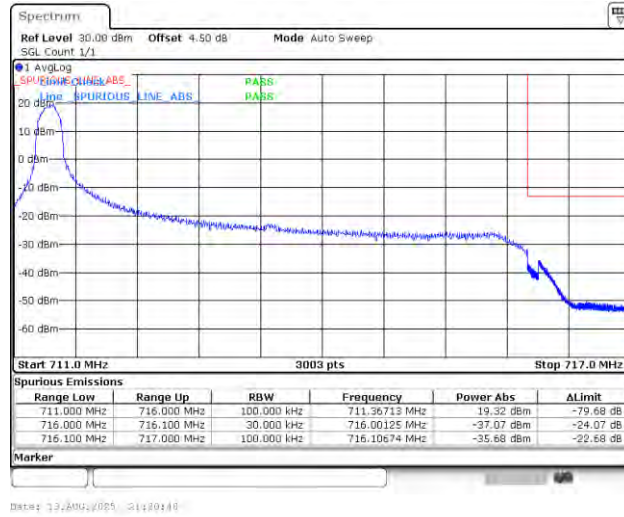
Band12\_5MHz\_QPSK\_23035\_25RB#0



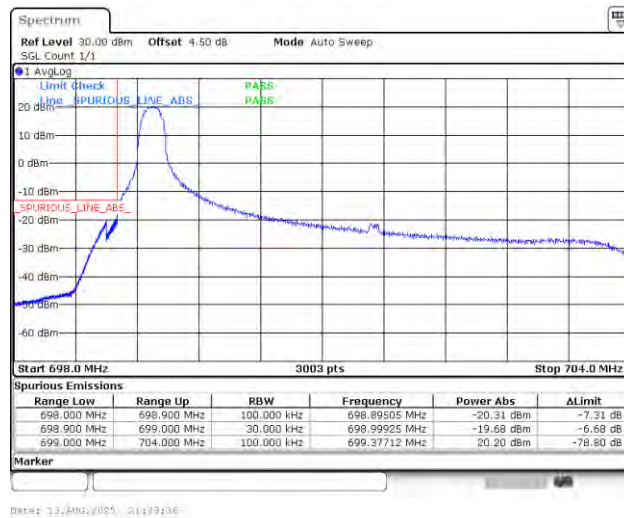
Band12\_5MHz\_16QAM\_23035\_25RB#0



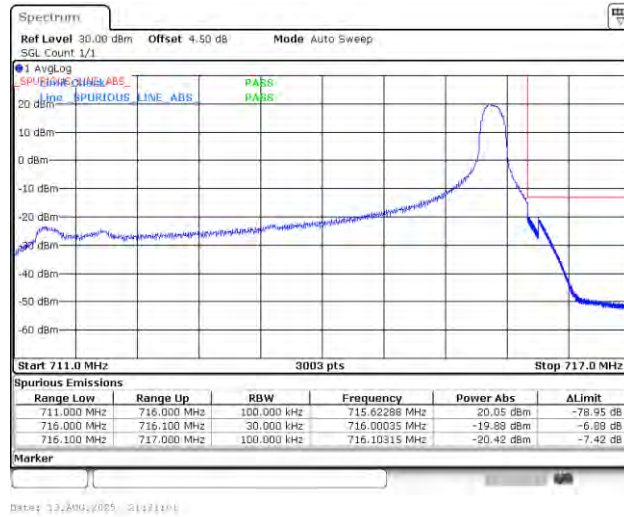
Band12\_5MHz\_QPSK\_23155\_1RB#0



Band12\_5MHz\_16QAM\_23155\_1RB#0



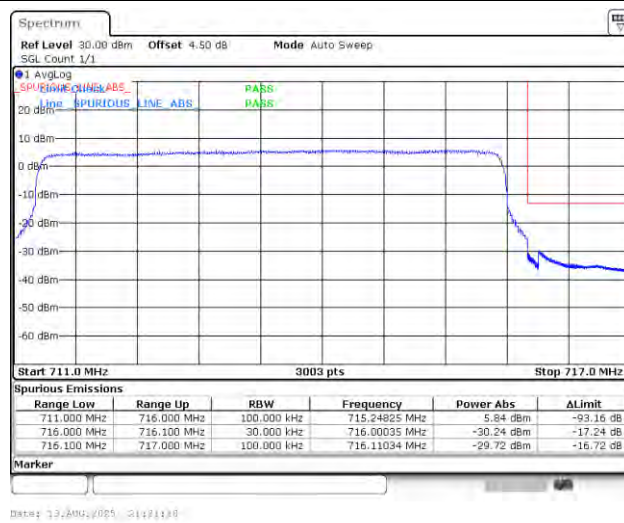
Band12\_5MHz\_QPSK\_23035\_1RB#0



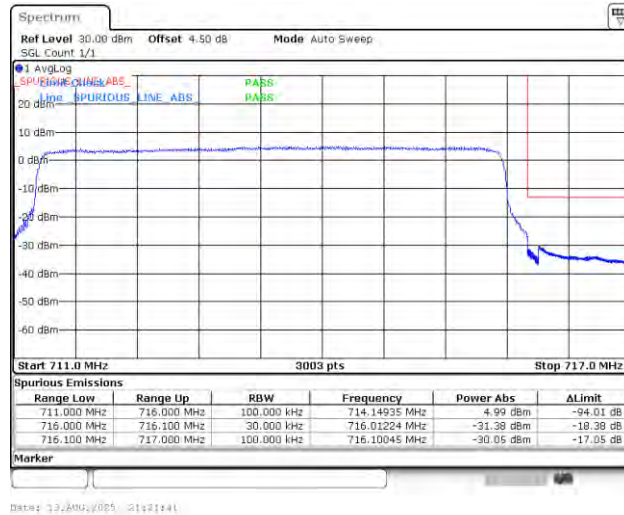
Band12\_5MHz\_QPSK\_23155\_1RB#24



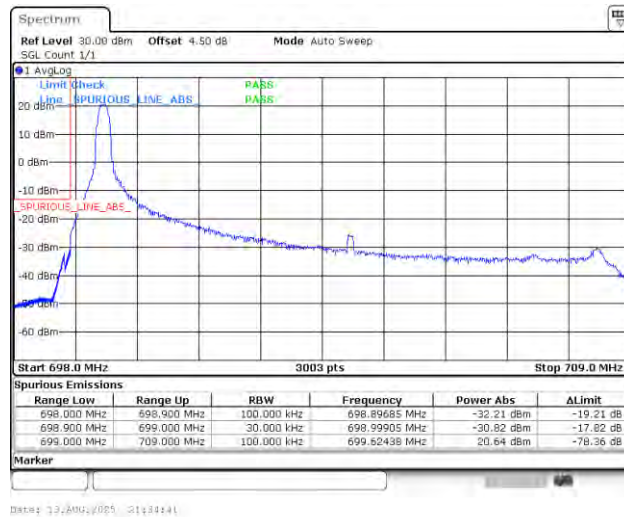
Band12\_5MHz\_16QAM\_23155\_1RB#24



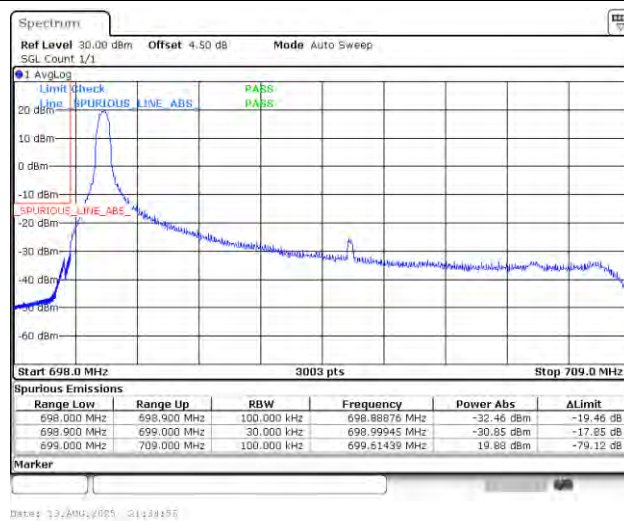
Band12\_5MHz\_QPSK\_23155\_25RB#0



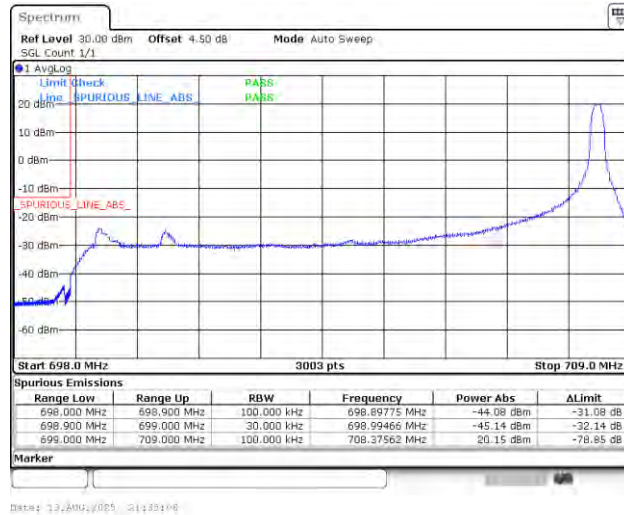
Band12\_5MHz\_16QAM\_23155\_25RB#0



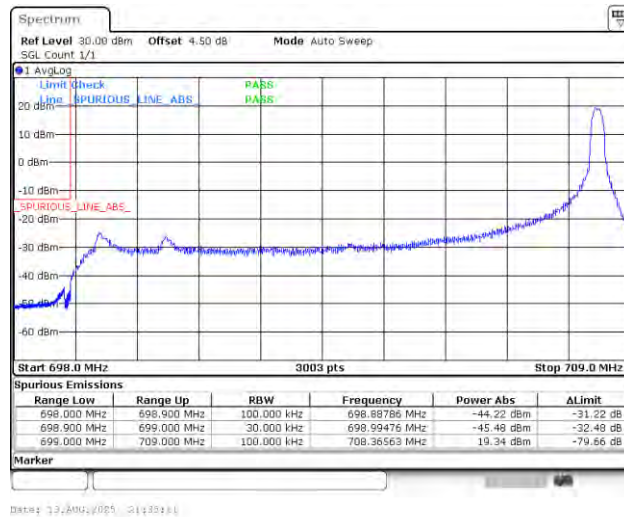
Band12\_10MHz\_QPSK\_23060\_1RB#0



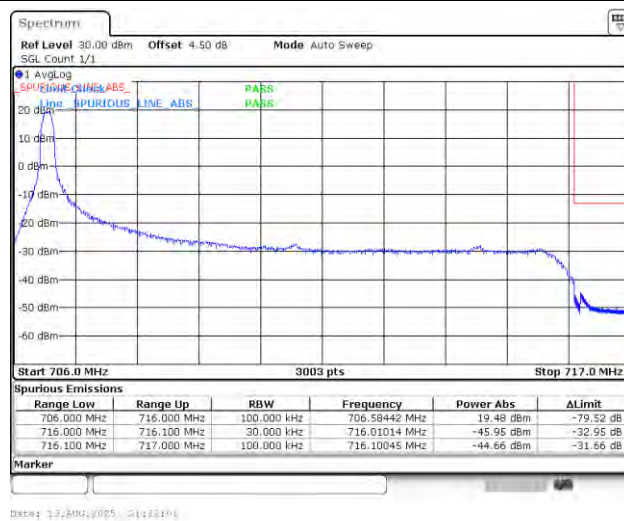
Band12\_10MHz\_16QAM\_23060\_1RB#0



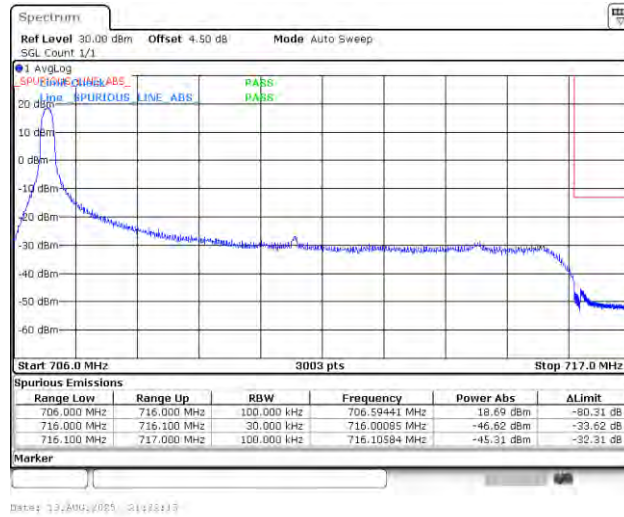
Band12\_10MHz\_QPSK\_23060\_1RB#49



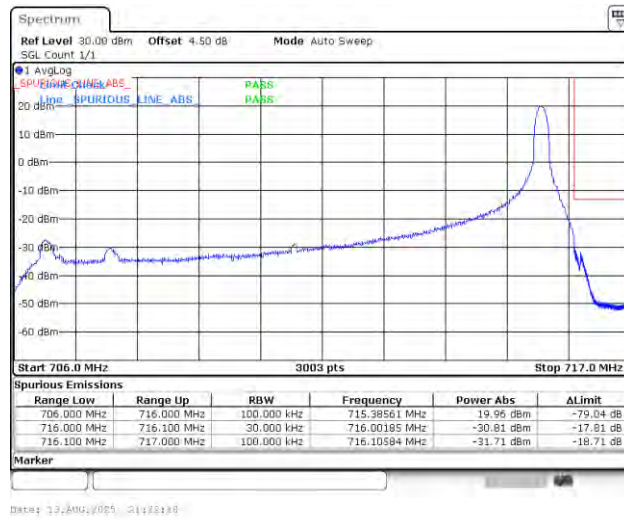
Band12\_10MHz\_16QAM\_23060\_1RB#49



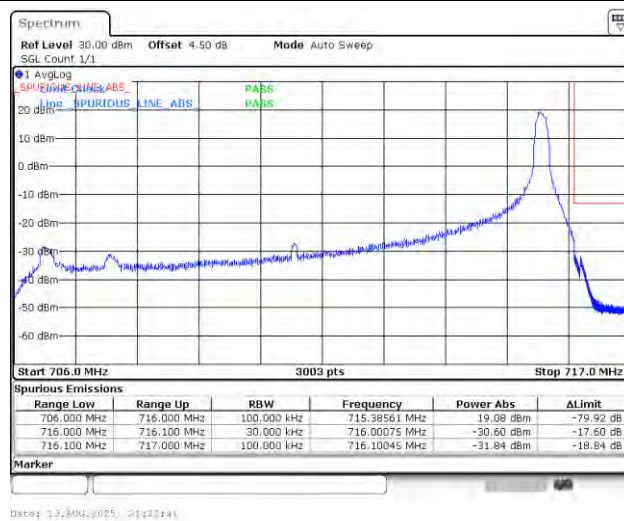
Band12\_10MHz\_QPSK\_23130\_1RB#0



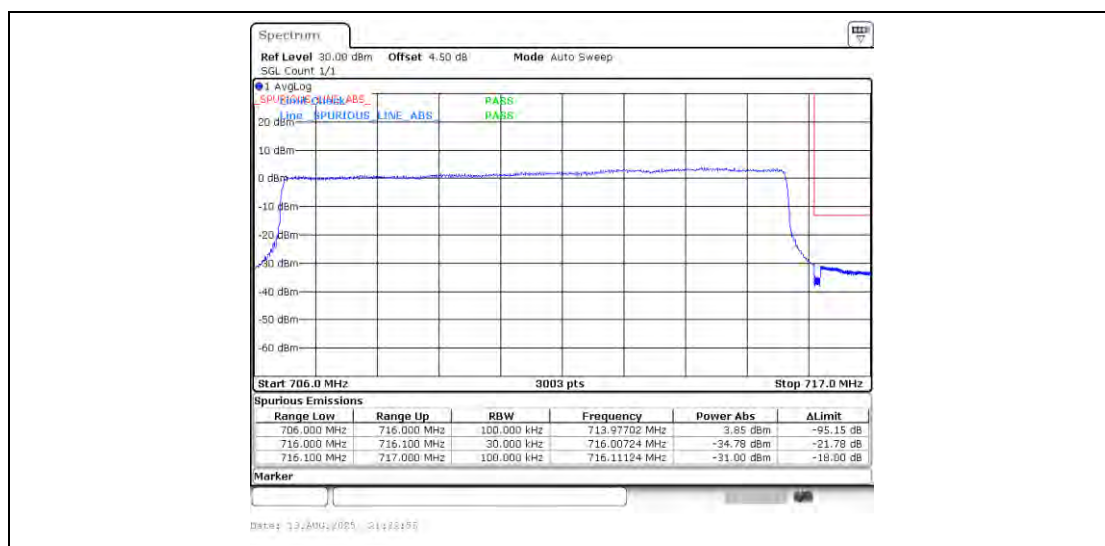
Band12\_10MHz\_16QAM\_23130\_1RB#0



Band12\_10MHz\_QPSK\_23130\_1RB#49



Band12\_10MHz\_16QAM\_23130\_1RB#49



Band12\_10MHz\_QPSK\_23130\_50RB#0



Band12\_10MHz\_16QAM\_23130\_50RB#0

## Appendix E: Conducted Spurious Emission

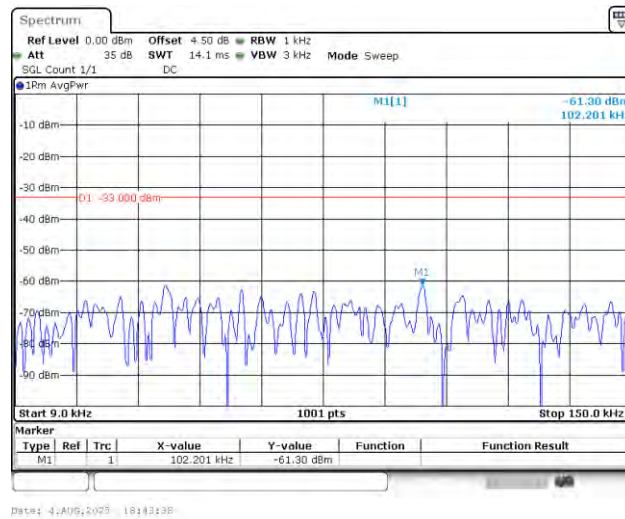
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.009~0.15      | -61.30       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.15~30         | -60.76       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 30~1000         | -59.16       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 1000~3000       | -38.24       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 3000~10000      | -48.55       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.009~0.15      | -60.76       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.15~30         | -59.52       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 30~1000         | -59.15       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 1000~3000       | -39.42       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 3000~10000      | -48.45       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | -61.91       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.15~30         | -60.49       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 30~1000         | -57.73       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 1000~3000       | -39.97       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 3000~10000      | -48.38       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.009~0.15      | -61.92       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.15~30         | -60.31       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 30~1000         | -58.79       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 1000~3000       | -42.19       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 3000~10000      | -48.43       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.009~0.15      | -61.93       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.15~30         | -62.80       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 30~1000         | -58.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 1000~3000       | -40.31       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 3000~10000      | -48.43       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.009~0.15      | -62.63       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.15~30         | -61.10       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 30~1000         | -60.01       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 1000~3000       | -41.44       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 3000~10000      | -48.61       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.009~0.15      | -61.52       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.15~30         | -62.44       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 30~1000         | -61.74       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 1000~3000       | -38.07       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 3000~10000      | -48.47       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 0.009~0.15      | -62.34       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 0.15~30         | -61.32       | PASS    |

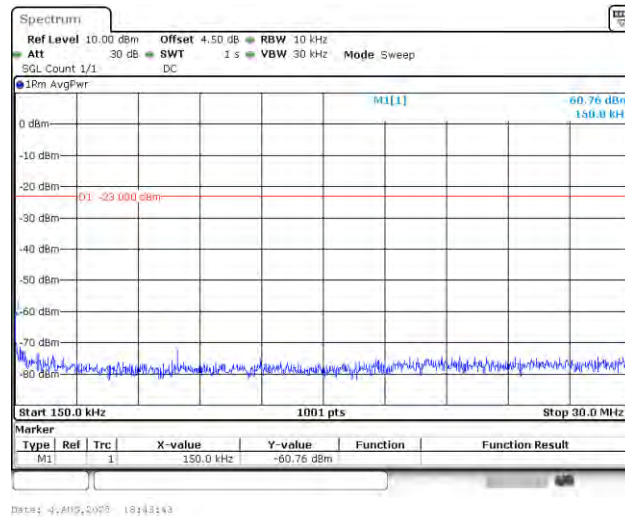
|        |      |       |       |       |            |        |      |
|--------|------|-------|-------|-------|------------|--------|------|
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 30~1000    | -62.72 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 1000~3000  | -39.39 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 3000~10000 | -48.42 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -62.23 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -59.99 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -64.38 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -53.30 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -48.41 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -69.31 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -72.84 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -64.38 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -53.22 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -48.42 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.009~0.15 | -68.67 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.15~30    | -72.76 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 30~1000    | -64.09 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 1000~3000  | -53.22 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 3000~10000 | -48.45 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.009~0.15 | -68.59 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.15~30    | -72.54 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 30~1000    | -64.19 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 1000~3000  | -53.18 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 3000~10000 | -48.52 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.009~0.15 | -68.69 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.15~30    | -70.71 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 30~1000    | -64.19 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 1000~3000  | -53.18 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 3000~10000 | -48.38 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.009~0.15 | -68.60 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.15~30    | -71.23 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 30~1000    | -64.36 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 1000~3000  | -53.03 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 3000~10000 | -48.44 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -70.21 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -71.81 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -64.16 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -53.17 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -48.38 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -68.68 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -72.03 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -64.11 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -53.17 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -48.45 | PASS |

|        |       |       |       |       |            |        |      |
|--------|-------|-------|-------|-------|------------|--------|------|
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 0.009~0.15 | -61.42 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 0.15~30    | -57.99 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 30~1000    | -61.00 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 1000~3000  | -40.78 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 3000~10000 | -48.33 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.009~0.15 | -62.85 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.15~30    | -70.80 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 30~1000    | -64.21 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 1000~3000  | -53.19 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 3000~10000 | -48.44 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.009~0.15 | -68.09 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.15~30    | -72.81 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 30~1000    | -64.22 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 1000~3000  | -53.18 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 3000~10000 | -48.41 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.009~0.15 | -67.82 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.15~30    | -71.88 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 30~1000    | -63.99 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 1000~3000  | -53.17 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 3000~10000 | -48.49 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -71.03 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -70.83 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -64.44 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -53.15 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -48.37 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -67.99 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -71.81 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -64.19 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -53.11 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -48.41 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.009~0.15 | -68.97 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.15~30    | -71.81 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 30~1000    | -64.18 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 1000~3000  | -53.06 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 3000~10000 | -48.33 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.009~0.15 | -70.73 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.15~30    | -72.73 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 30~1000    | -64.14 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 1000~3000  | -53.05 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 3000~10000 | -48.35 | PASS |

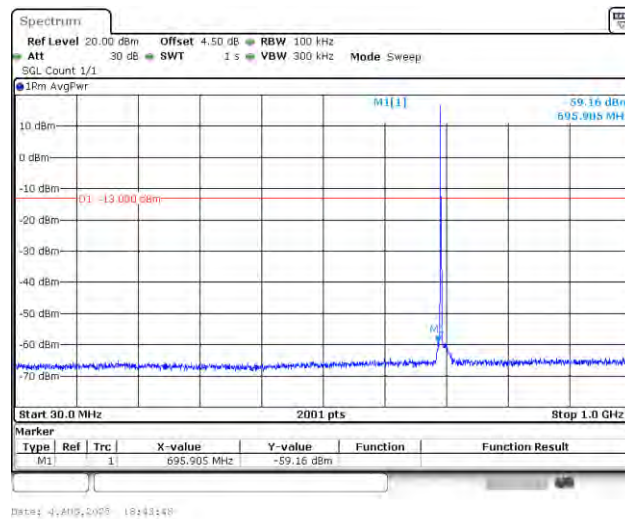
## Test Graphs



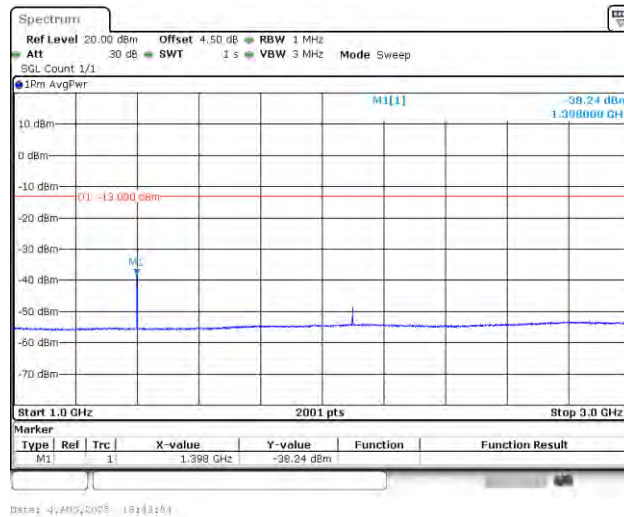
Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.009~0.15\_0.009~0.15



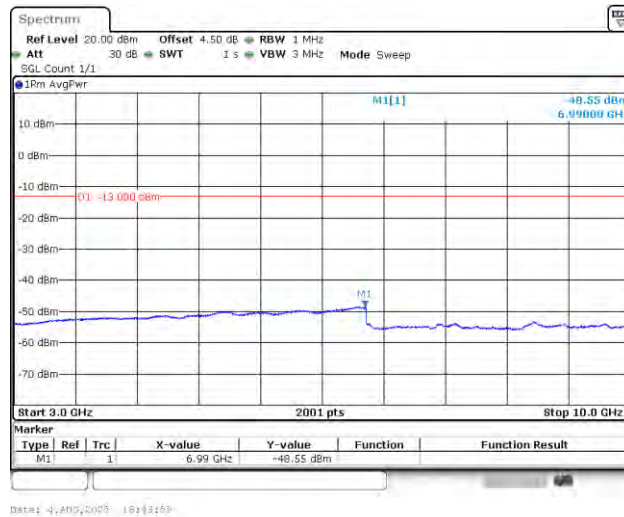
Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.15~30\_0.15~30



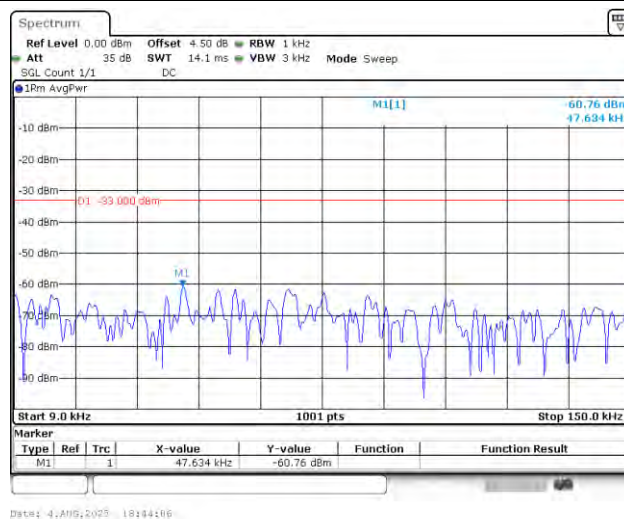
Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_30~1000\_30~1000



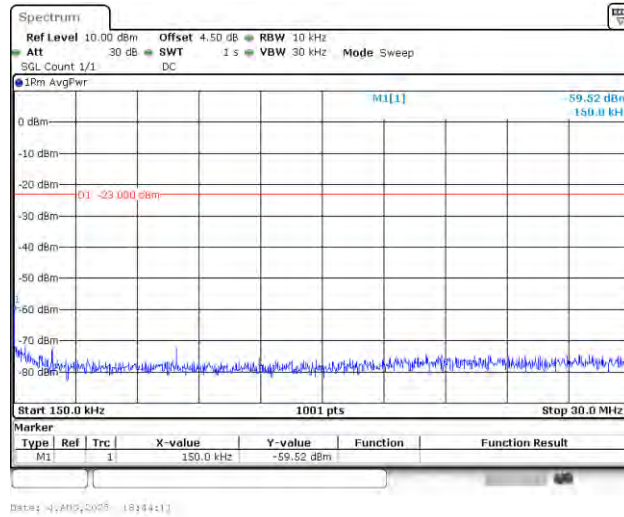
Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_1000~3000\_1000~3000



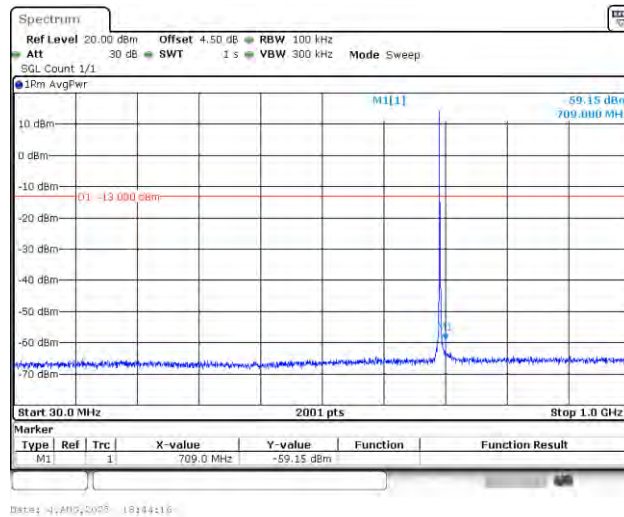
Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_3000~10000\_3000~10000



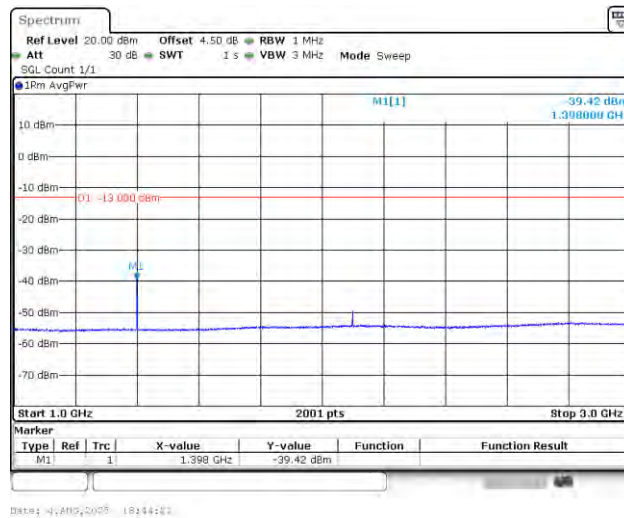
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.009~0.15\_0.009~0.15



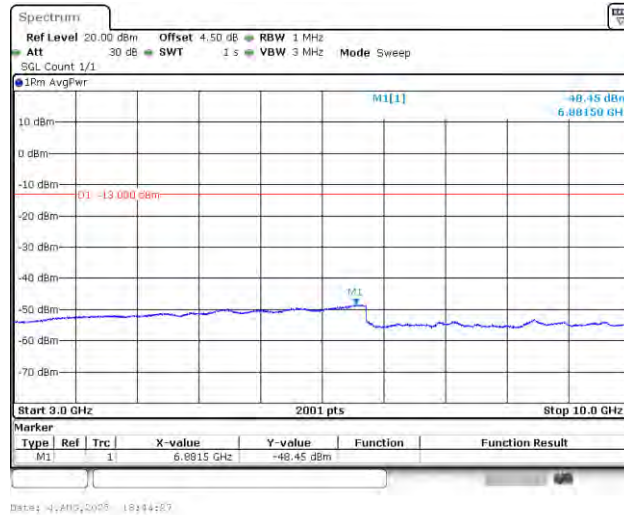
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.15~30\_0.15~30



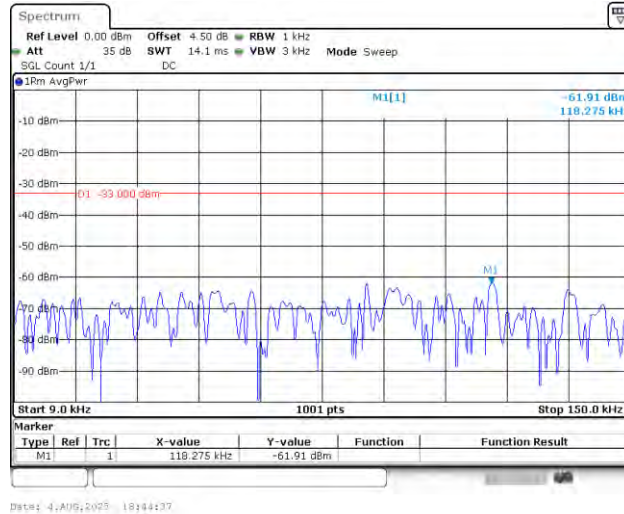
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_30~1000\_30~1000



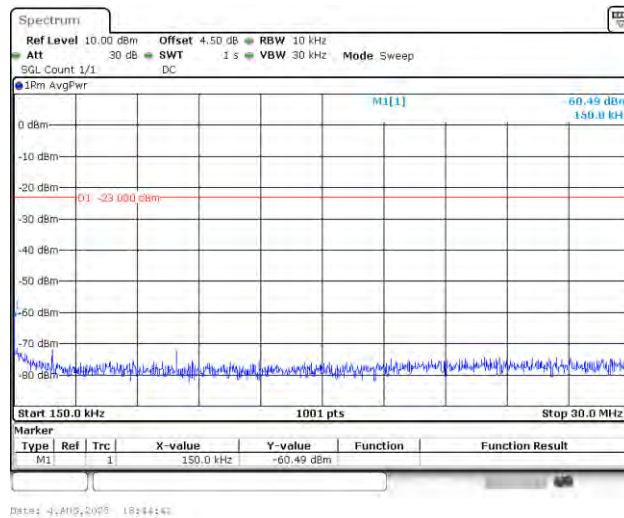
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_1000~3000\_1000~3000



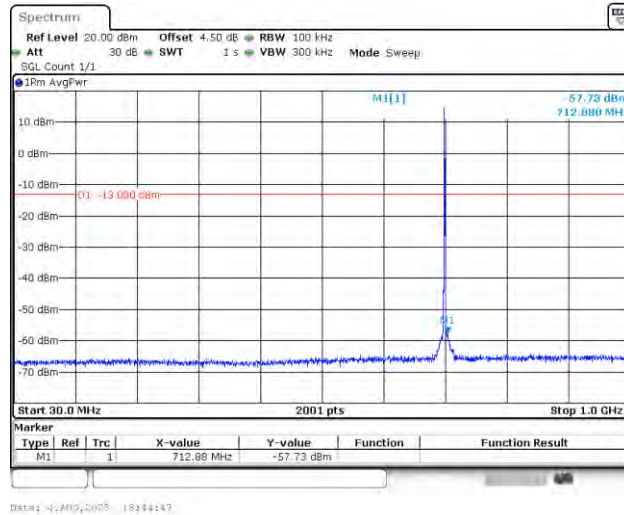
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_3000~10000\_3000~10000



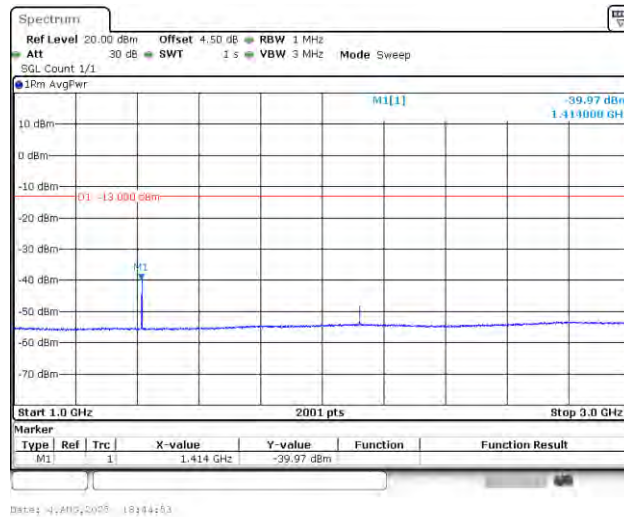
Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



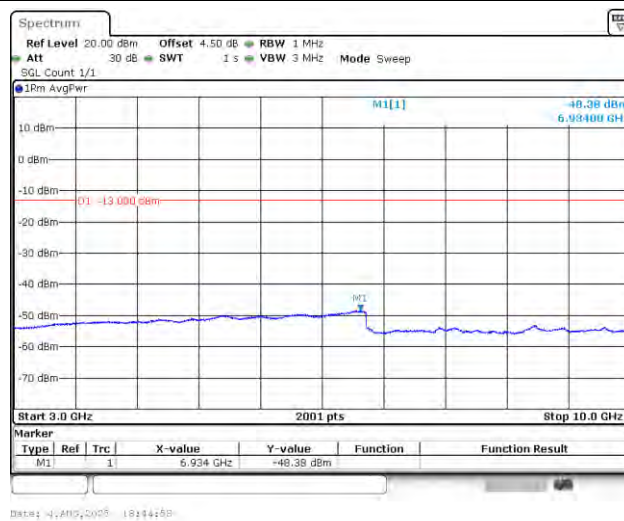
Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



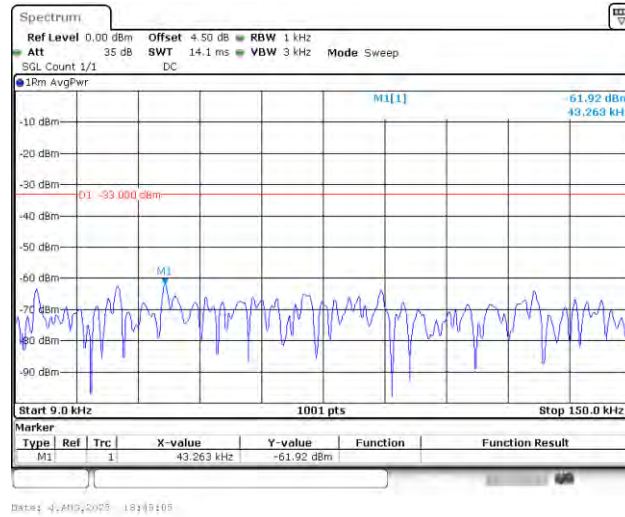
Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000



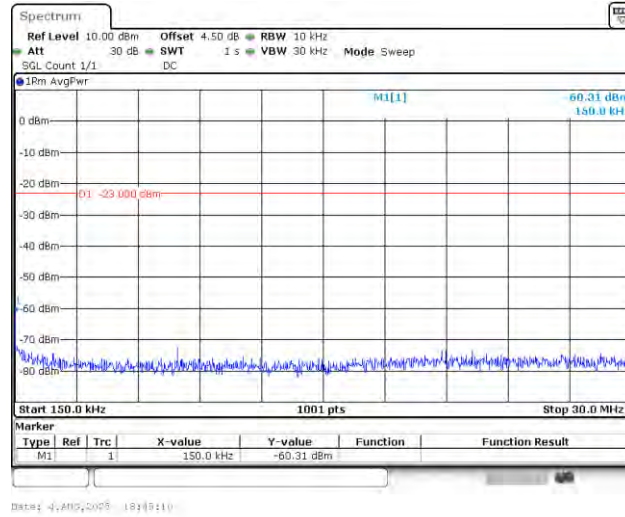
Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_1000~3000\_1000~3000



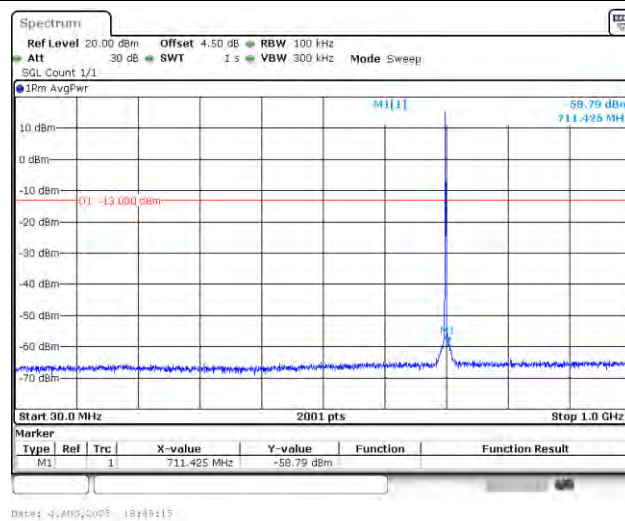
Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000



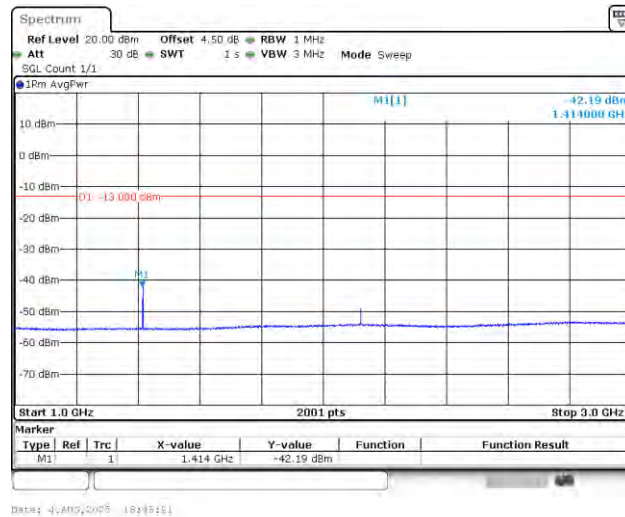
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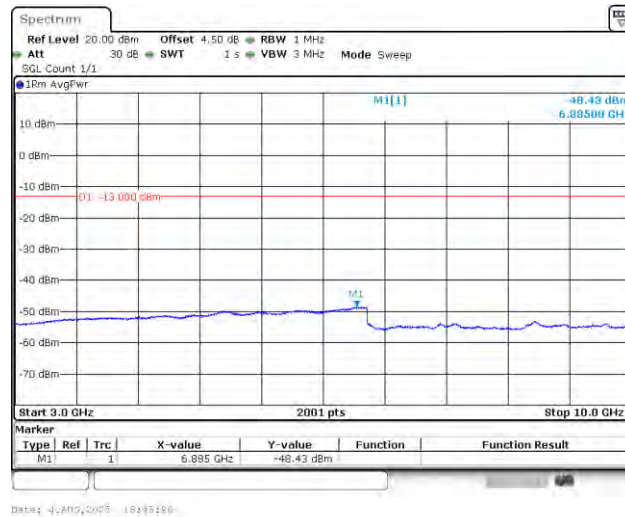
Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30



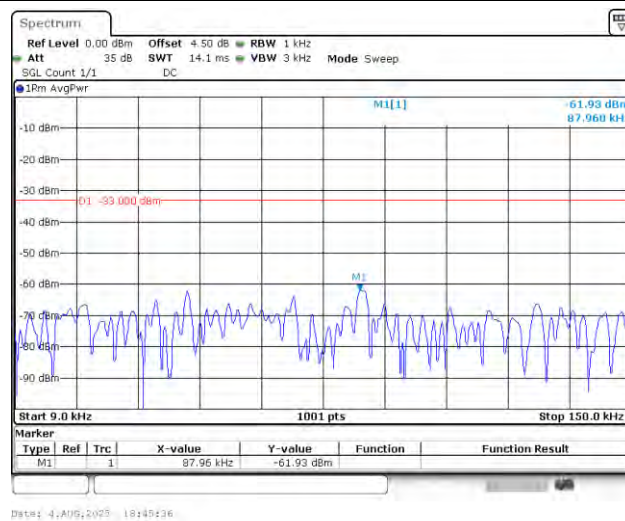
Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



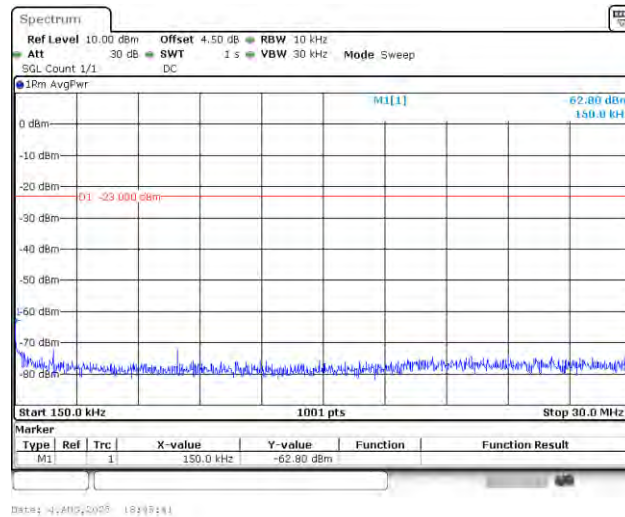
Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000



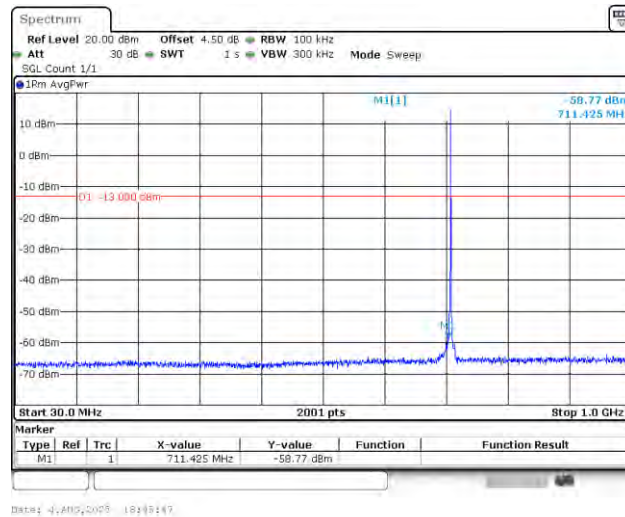
Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000



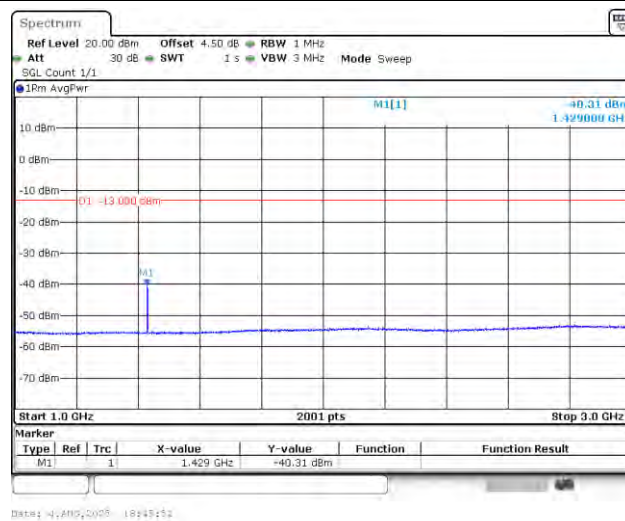
Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.009~0.15\_0.009~0.15



Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.15~30\_0.15~30



Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_30~1000\_30~1000



Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_1000~3000\_1000~3000