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## APPENDIX F.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 23.76       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 23.84       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 23.71       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0            | 23.74       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1            | 23.82       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3            | 23.72       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 22.88       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 23.58       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 24.01       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 23.82       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0            | 23.94       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1            | 23.76       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3            | 23.94       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 22.78       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 23.99       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 24.09       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 23.96       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0            | 23.80       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1            | 23.93       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3            | 23.92       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 22.91       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 22.93       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 23.17       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 22.83       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0            | 22.76       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1            | 22.93       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3            | 22.81       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 21.76       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 22.95       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 23.08       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5            | 23.14       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#0            | 22.52       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#1            | 22.70       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#3            | 22.77       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 21.89       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | 22.98       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#2            | 23.25       | PASS    |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 23.16 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 22.70 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 22.78 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 22.71 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 22.11 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 23.60 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 23.62 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 23.66 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 22.80 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 22.81 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 22.70 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 22.67 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 23.71 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#8  | 23.75 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 23.72 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#0  | 22.87 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#4  | 22.79 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#7  | 22.85 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | 22.74 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#0  | 23.53 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#8  | 23.71 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#14 | 23.96 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#0  | 22.85 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#4  | 22.87 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#7  | 22.89 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | 22.71 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#0  | 22.70 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#8  | 22.61 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#14 | 22.70 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#0  | 22.01 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#4  | 22.01 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#7  | 21.81 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 15RB#0 | 21.68 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 1RB#0  | 22.83 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 1RB#8  | 22.89 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 1RB#14 | 22.96 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 8RB#0  | 21.86 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 8RB#4  | 21.87 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 8RB#7  | 21.94 | PASS |
| Band5 | 3MHz   | 16QAM | 20525 | 15RB#0 | 21.73 | PASS |
| Band5 | 3MHz   | 16QAM | 20635 | 1RB#0  | 22.55 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8   | 22.68 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14  | 22.81 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0   | 21.71 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4   | 21.96 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7   | 22.07 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0  | 21.92 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 23.73 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 23.72 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 23.87 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 22.74 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 22.74 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 22.78 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 22.80 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 23.94 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 23.88 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 23.75 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 22.76 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 22.76 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 22.79 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 22.75 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 23.63 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 23.70 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#24  | 23.86 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#0  | 22.76 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#6  | 22.69 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#13 | 22.94 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0  | 22.69 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0   | 22.51 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12  | 22.23 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24  | 22.54 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#0  | 21.61 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#6  | 21.79 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#13 | 21.85 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0  | 21.88 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0   | 22.74 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#12  | 23.13 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#24  | 22.82 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#0  | 21.79 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#6  | 21.89 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#13 | 21.84 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0  | 21.71 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0   | 22.48 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12  | 22.39 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24  | 22.59 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#0  | 21.65 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#6  | 21.65 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#13 | 21.77 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0  | 21.68 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 23.56 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 23.69 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 23.89 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 22.77 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 22.79 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 22.93 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 22.76 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 23.56 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 23.76 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 23.63 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 22.89 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 22.80 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 22.80 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 22.80 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 23.63 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 23.70 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 23.96 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 22.76 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 22.78 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 22.88 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 22.78 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 22.75 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 22.85 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 22.83 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 21.84 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 21.84 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 21.87 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 21.71 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 22.82 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 23.01 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 22.98 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 21.88 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 21.80 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 21.81 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 21.79 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 22.76 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 22.88 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 22.88 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 21.83 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 21.84 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 21.82 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 21.73 | PASS |

## APPENDIX F.2: PEAK-TO AVERAGE RATIO

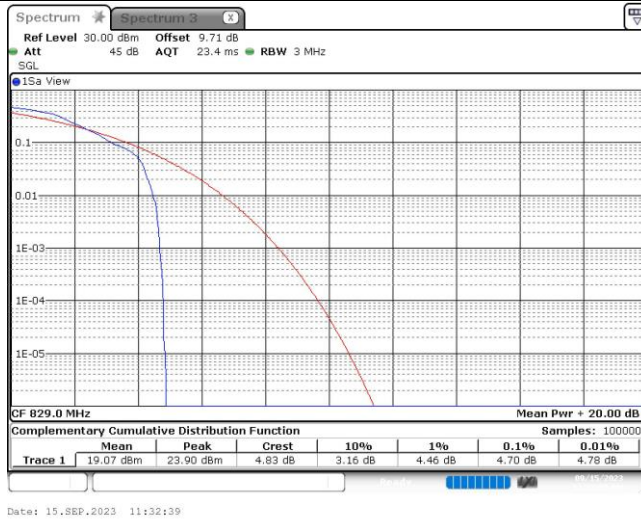
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 10MHz     | QPSK       | 20450   | 100RB#0          | 4.70       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 100RB#0          | 4.75       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 100RB#0          | 4.70       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 100RB#0          | 4.70       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 100RB#0          | 4.75       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 100RB#0          | 4.70       | 13        | PASS    |

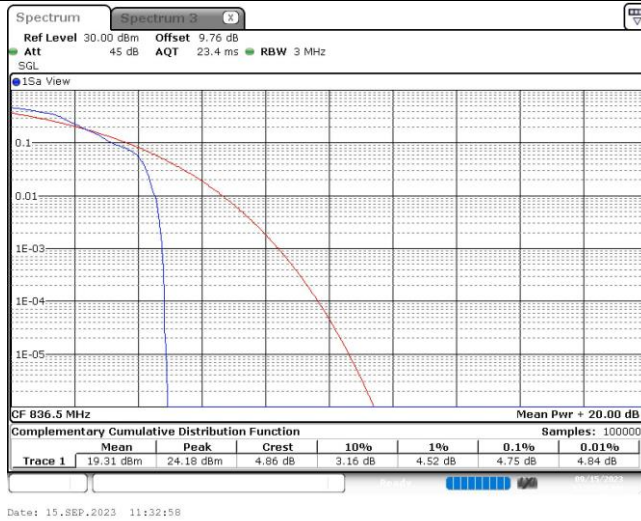


### Test Graphs

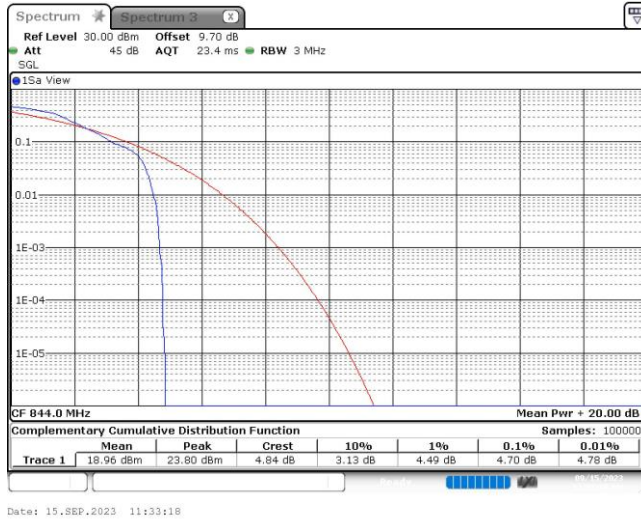
#### Band5-10MHz-QPSK-20450-100RB#0



#### Band5-10MHz-QPSK-20525-100RB#0

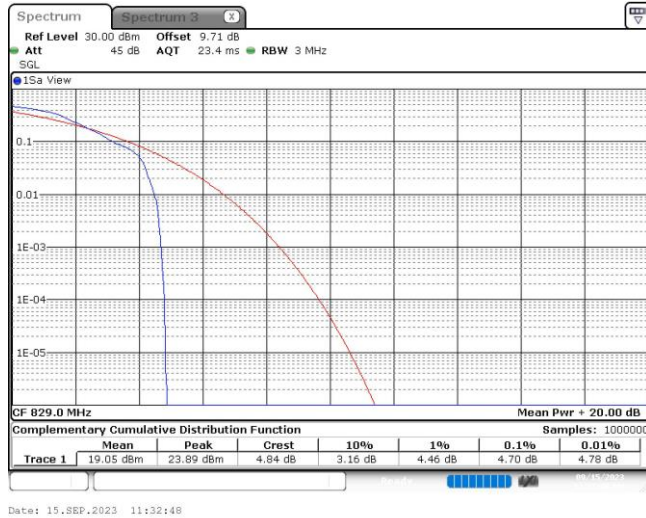


#### Band5-10MHz-QPSK-20600-100RB#0

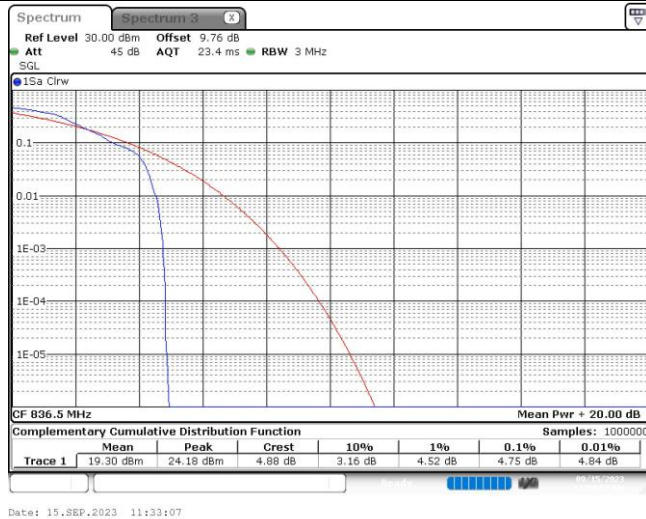




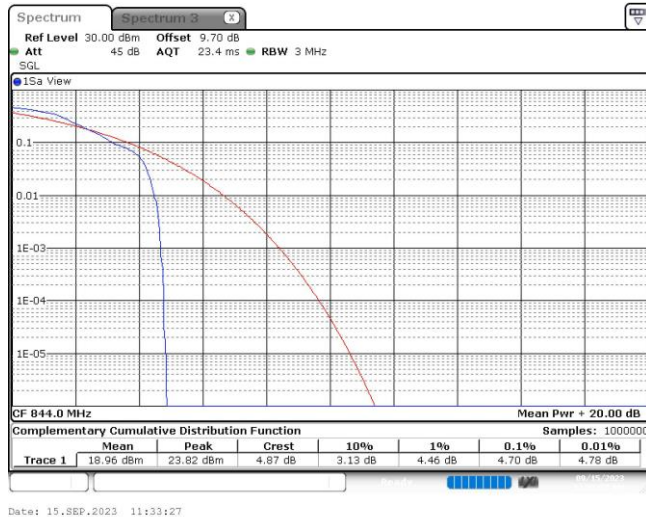
Band5-10MHz-16QAM-20450-100RB#0



Band5-10MHz-16QAM-20525-100RB#0



Band5-10MHz-16QAM-20600-100RB#0

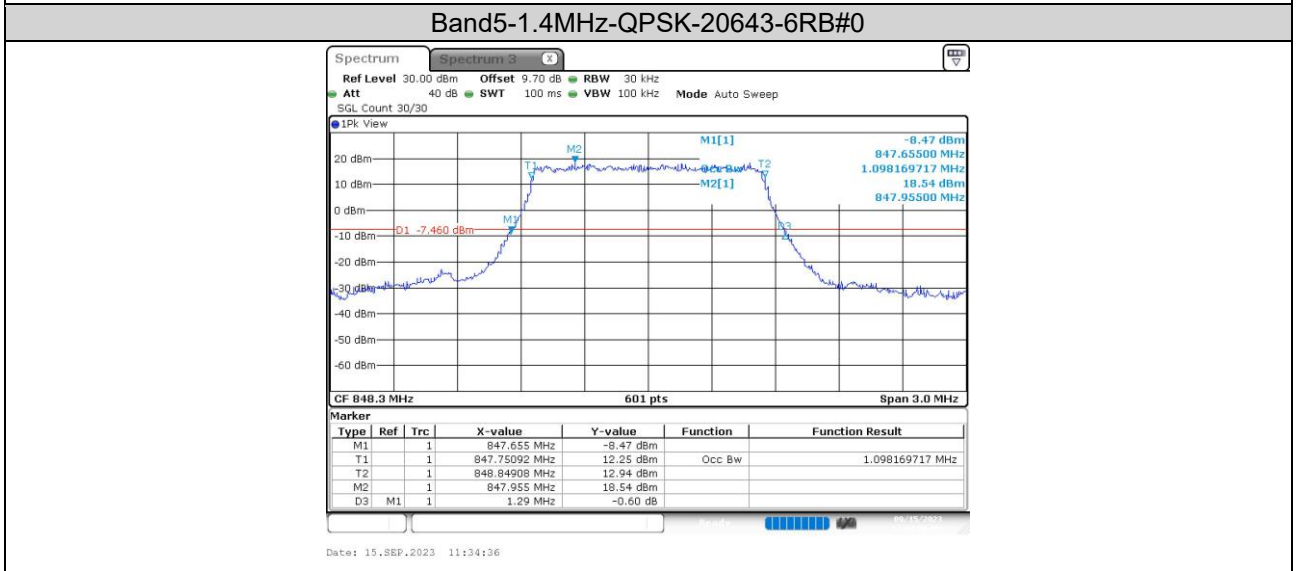
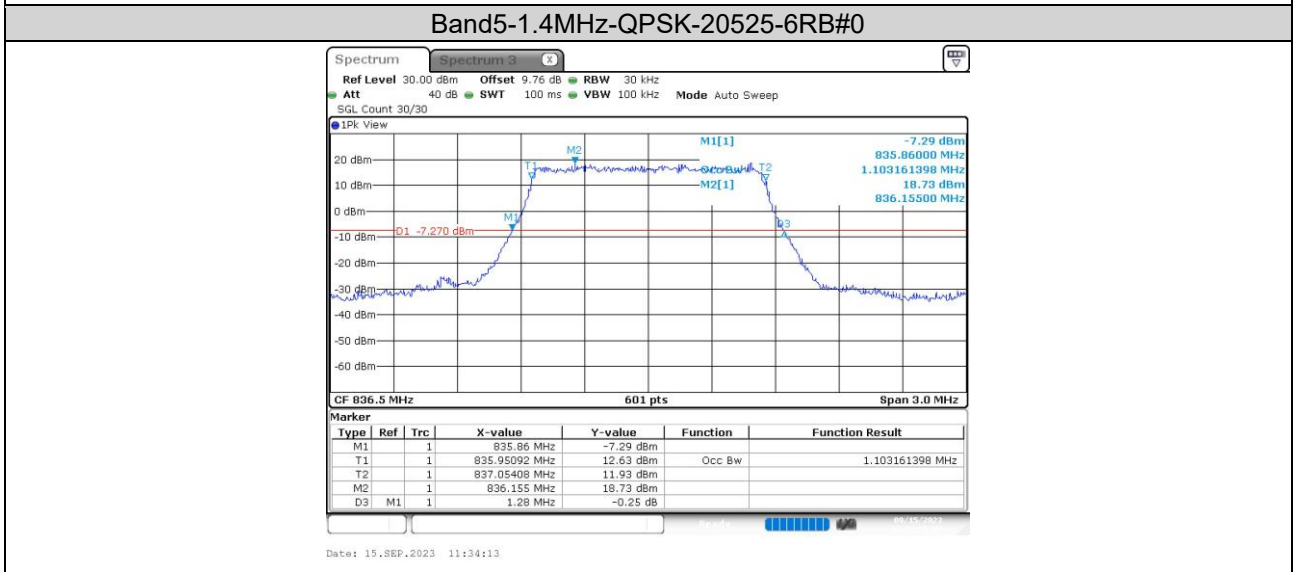
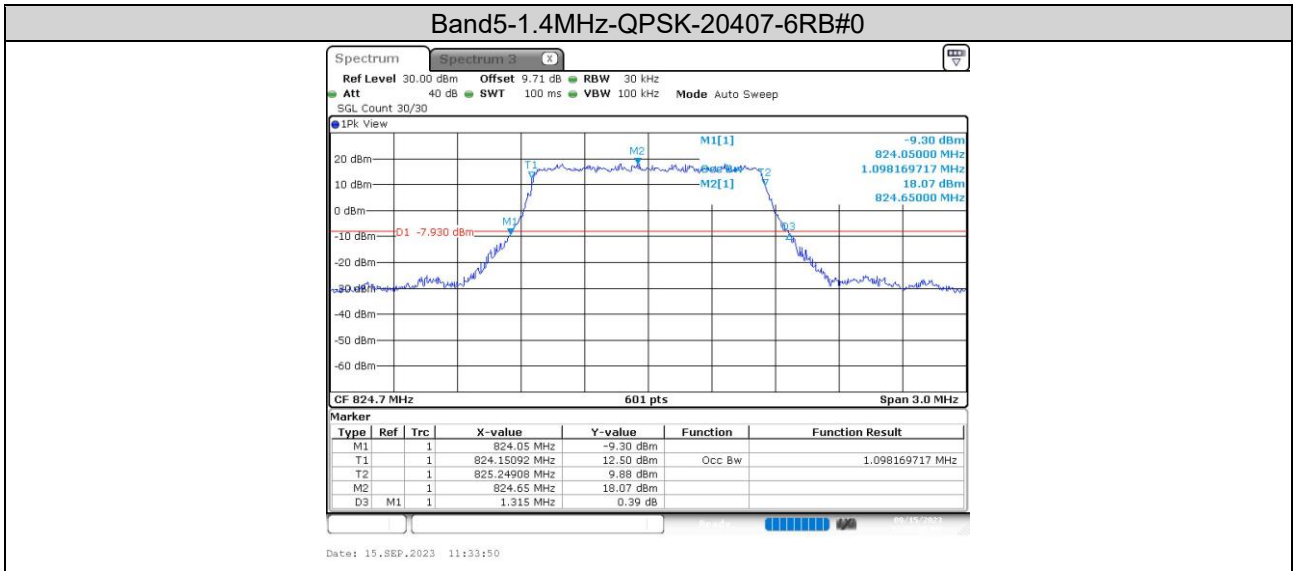


## APPENDIX F.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

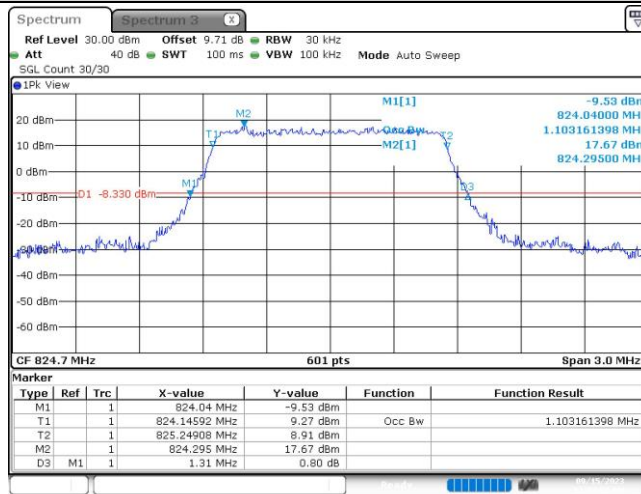
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.098                    | 1.31                 | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.103                    | 1.28                 | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.098                    | 1.29                 | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.103                    | 1.31                 | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.088                    | 1.31                 | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.098                    | 1.30                 | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.696                    | 2.97                 | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.696                    | 2.99                 | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.705                    | 2.98                 | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.696                    | 3.01                 | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.696                    | 3.01                 | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.696                    | 3.01                 | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.476                    | 4.92                 | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.466                    | 4.92                 | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.486                    | 4.93                 | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.476                    | 4.90                 | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.476                    | 4.95                 | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.476                    | 4.90                 | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.952                    | 9.77                 | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.918                    | 9.67                 | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.952                    | 9.83                 | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.952                    | 9.73                 | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 8.918                    | 9.73                 | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 8.918                    | 9.70                 | PASS    |

### Test Graphs

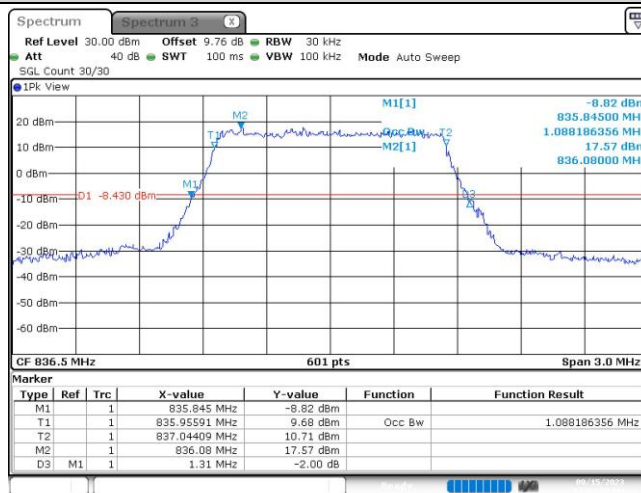


Band5-1.4MHz-16QAM-20407-6RB#0



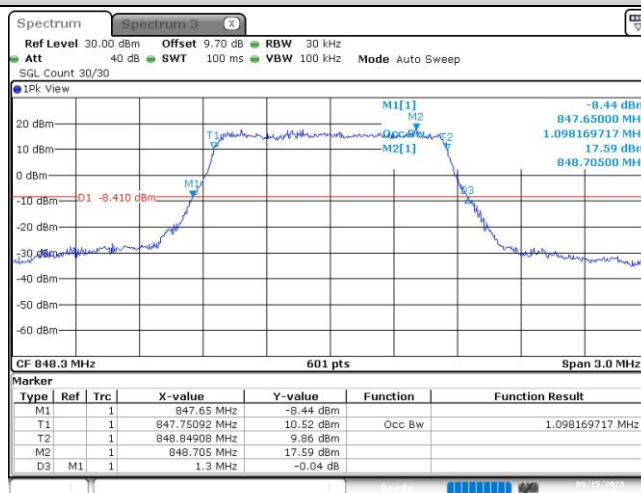
Date: 15.SEP.2023 11:34:01

Band5-1.4MHz-16QAM-20525-6RB#0



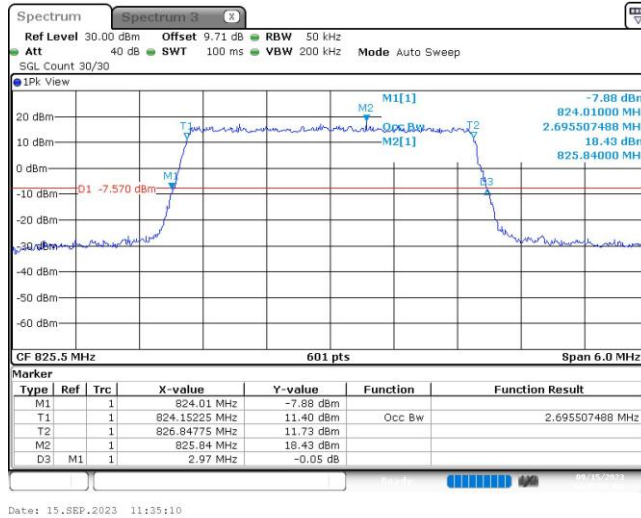
Date: 15.SEP.2023 11:34:23

Band5-1.4MHz-16QAM-20643-6RB#0

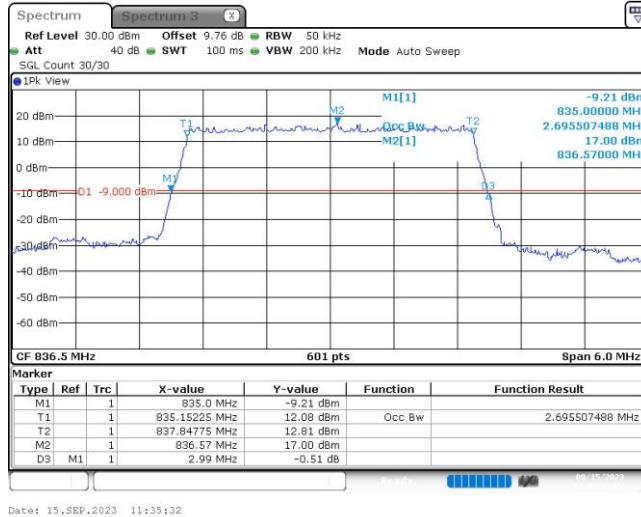


Date: 15.SEP.2023 11:34:47

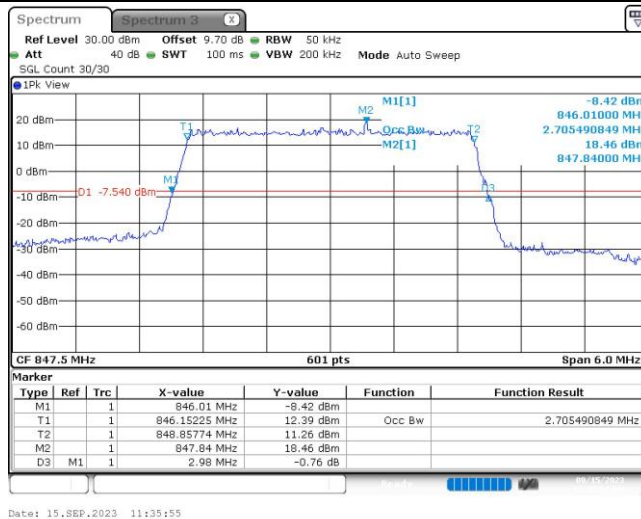
Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-15RB#0

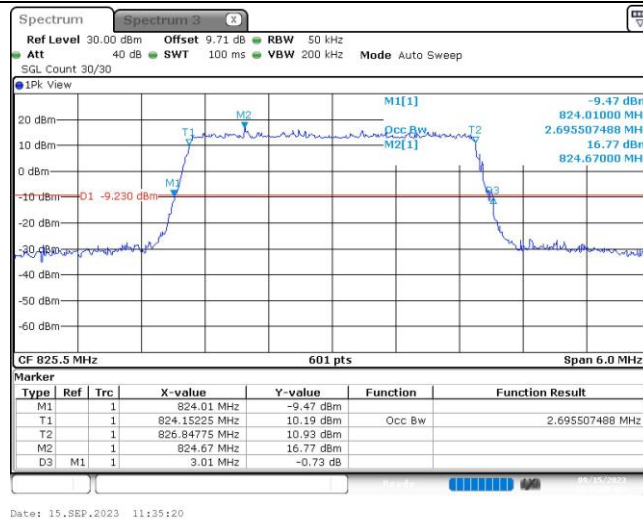


Band5-3MHz-QPSK-20635-15RB#0

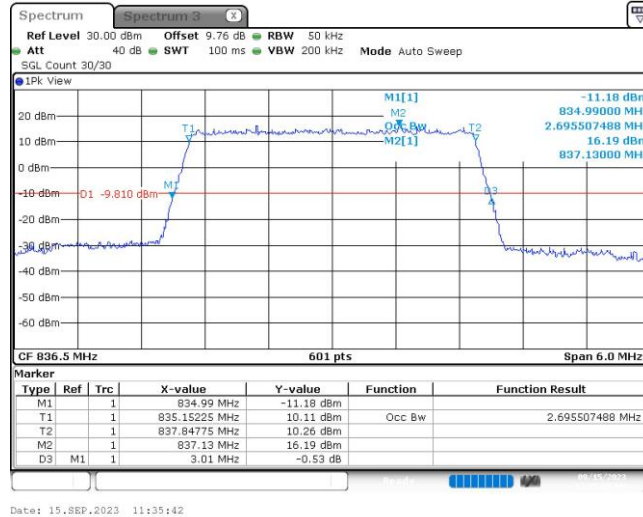


Band5-3MHz-16QAM-20415-15RB#0

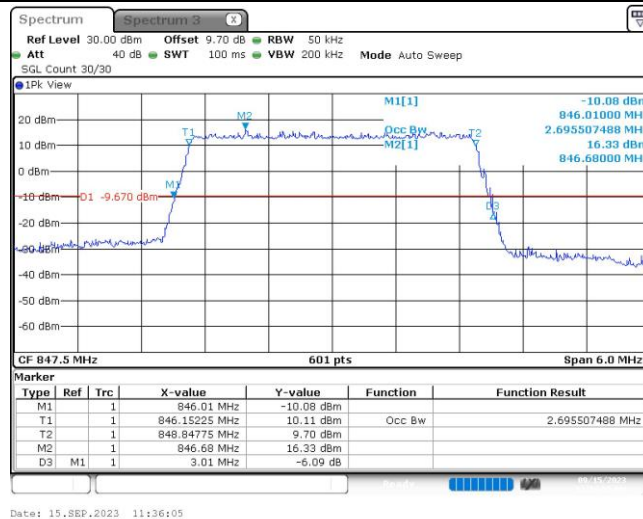




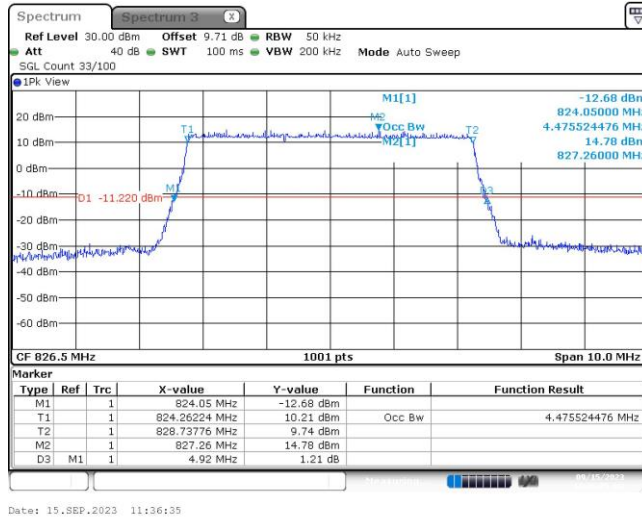
Band5-3MHz-16QAM-20525-15RB#0



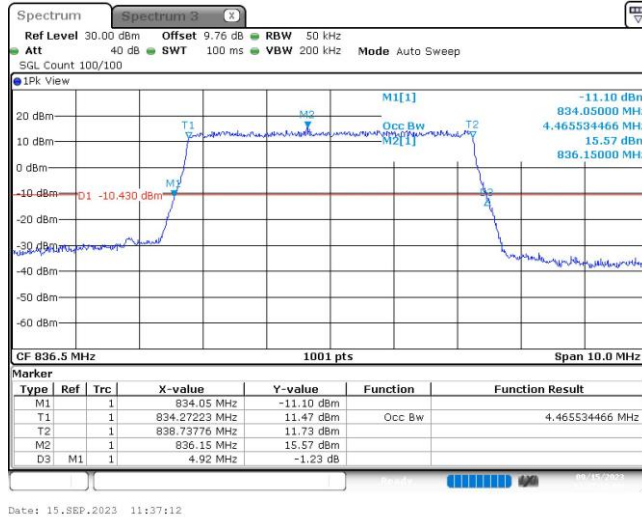
Band5-3MHz-16QAM-20635-15RB#0



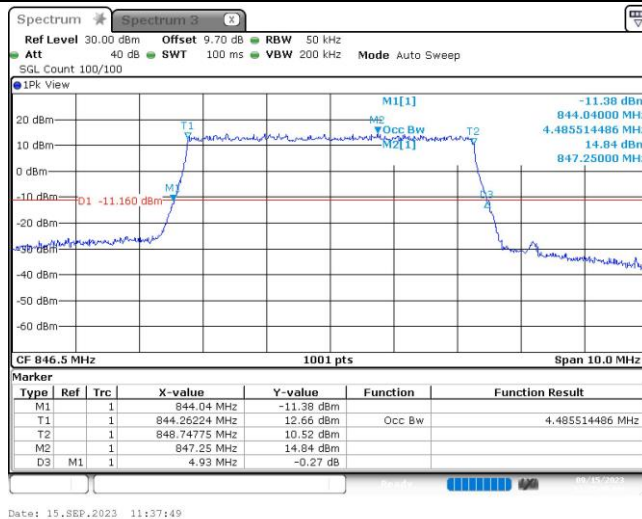
Band5-5MHz-QPSK-20425-25RB#0



**Band5-5MHz-QPSK-20525-25RB#0**

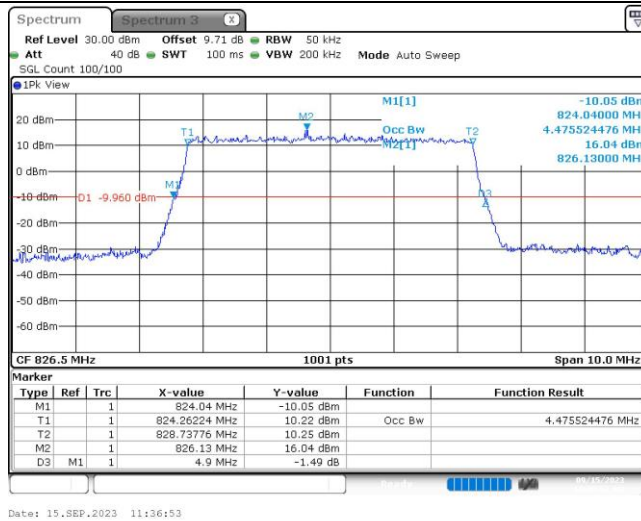


**Band5-5MHz-QPSK-20625-25RB#0**



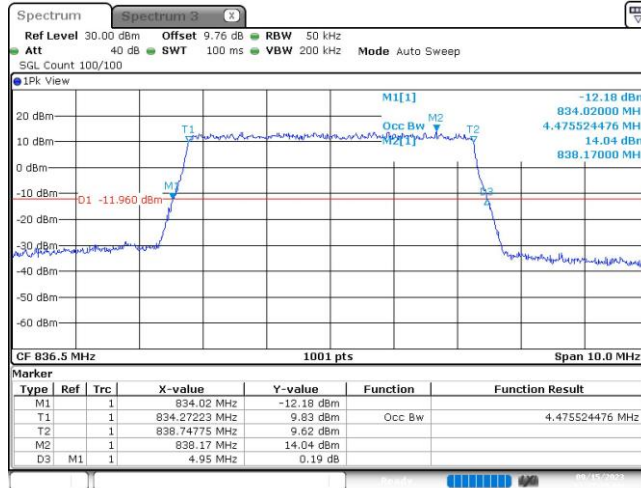
**Band5-5MHz-16QAM-20425-25RB#0**





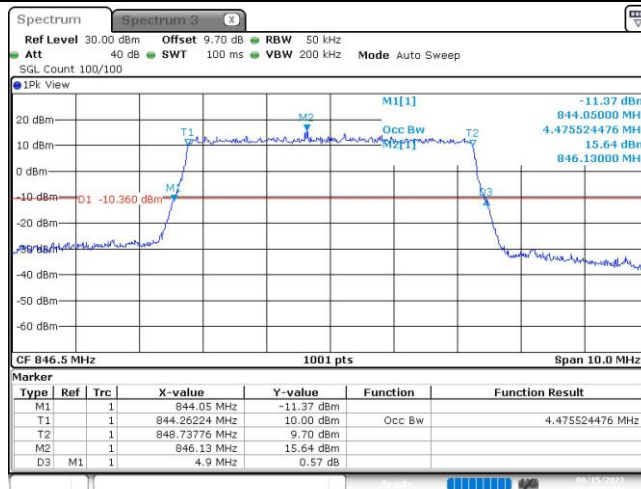
Date: 15\_SEP.2023 11:36:53

Band5-5MHz-16QAM-20525-25RB#0



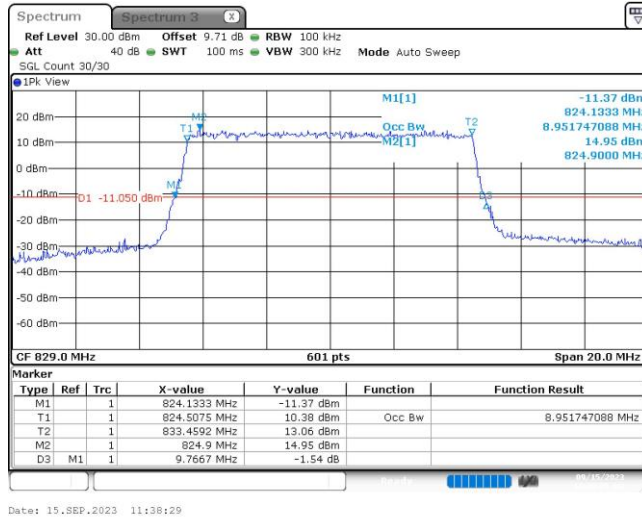
Date: 15\_SEP.2023 11:37:29

Band5-5MHz-16QAM-20625-25RB#0

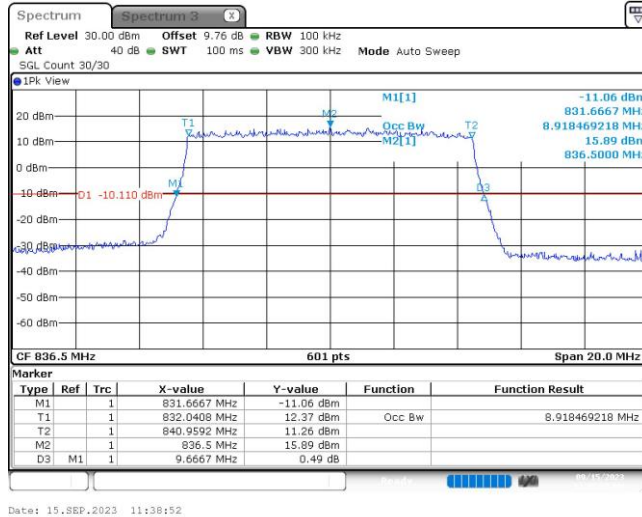


Date: 15\_SEP.2023 11:38:06

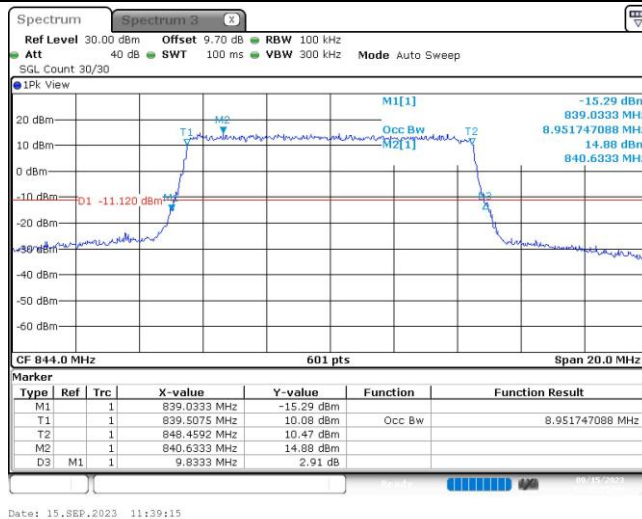
Band5-10MHz-QPSK-20450-50RB#0



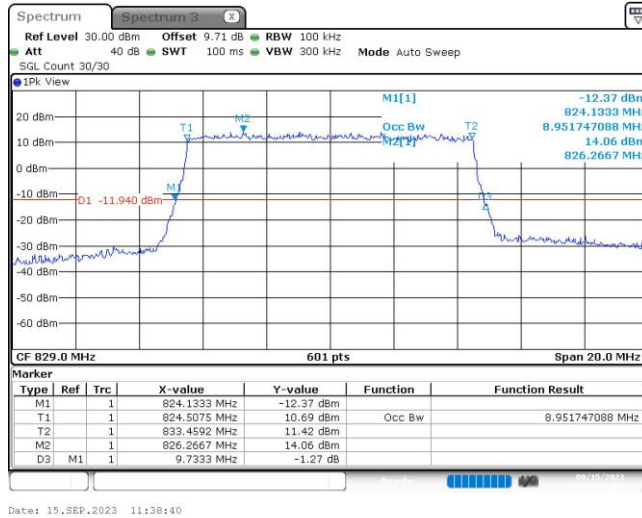
Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-50RB#0

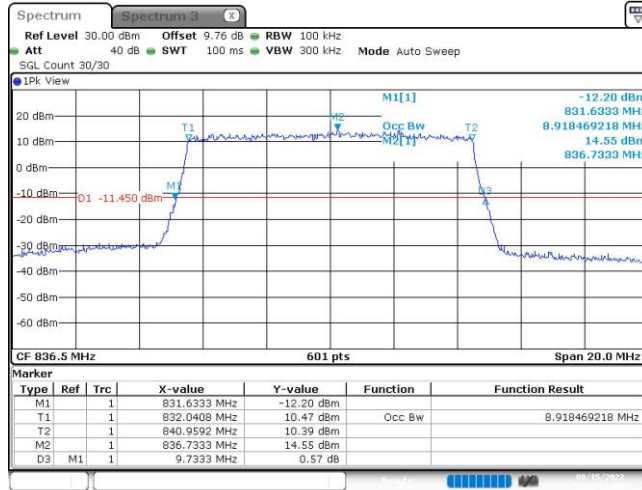


Band5-10MHz-16QAM-20450-50RB#0



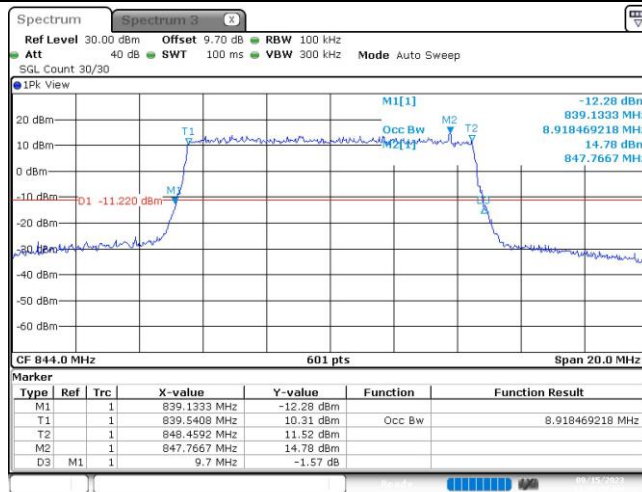
Date: 15\_SEP.2023 11:38:40

**Band5-10MHz-16QAM-20525-50RB#0**



Date: 15\_SEP.2023 11:39:02

**Band5-10MHz-16QAM-20600-50RB#0**



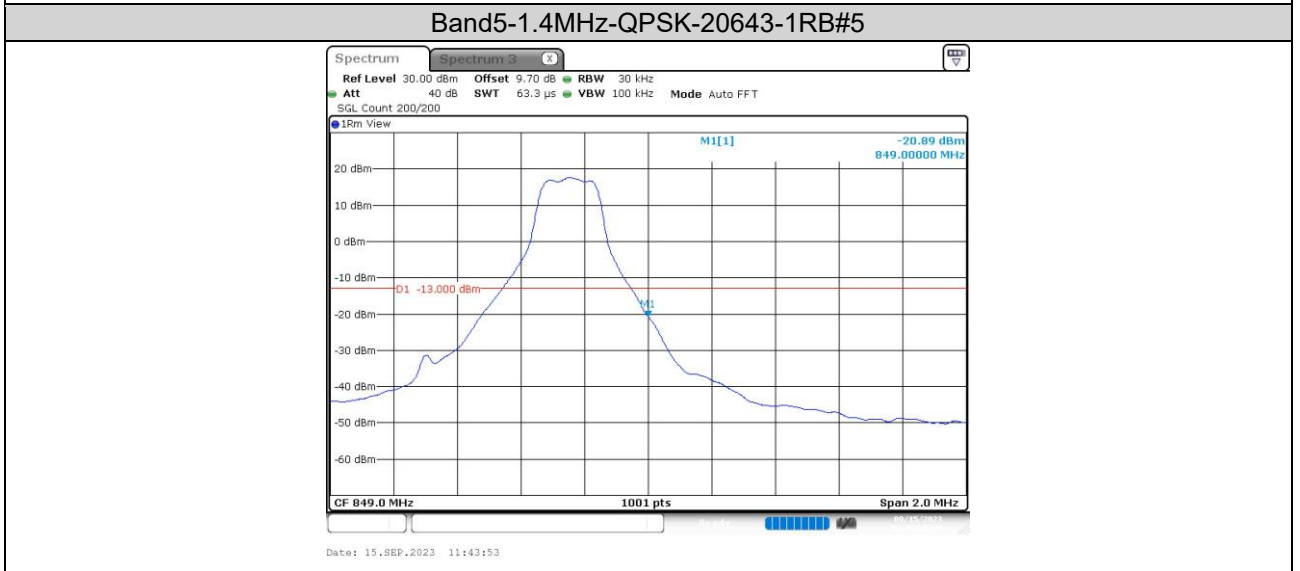
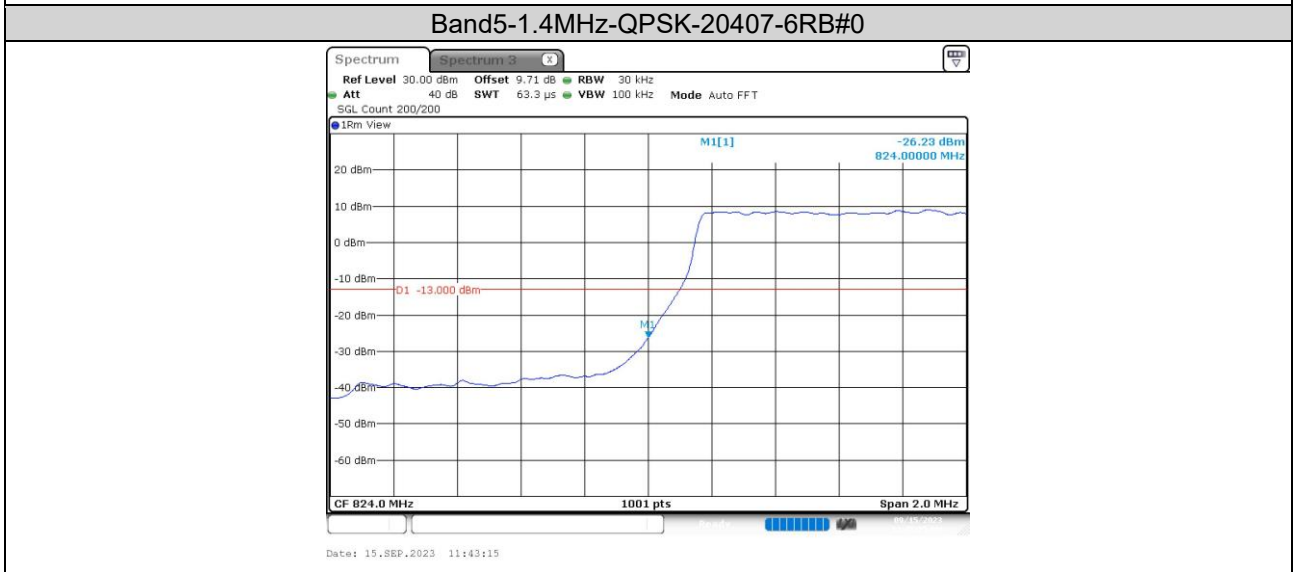
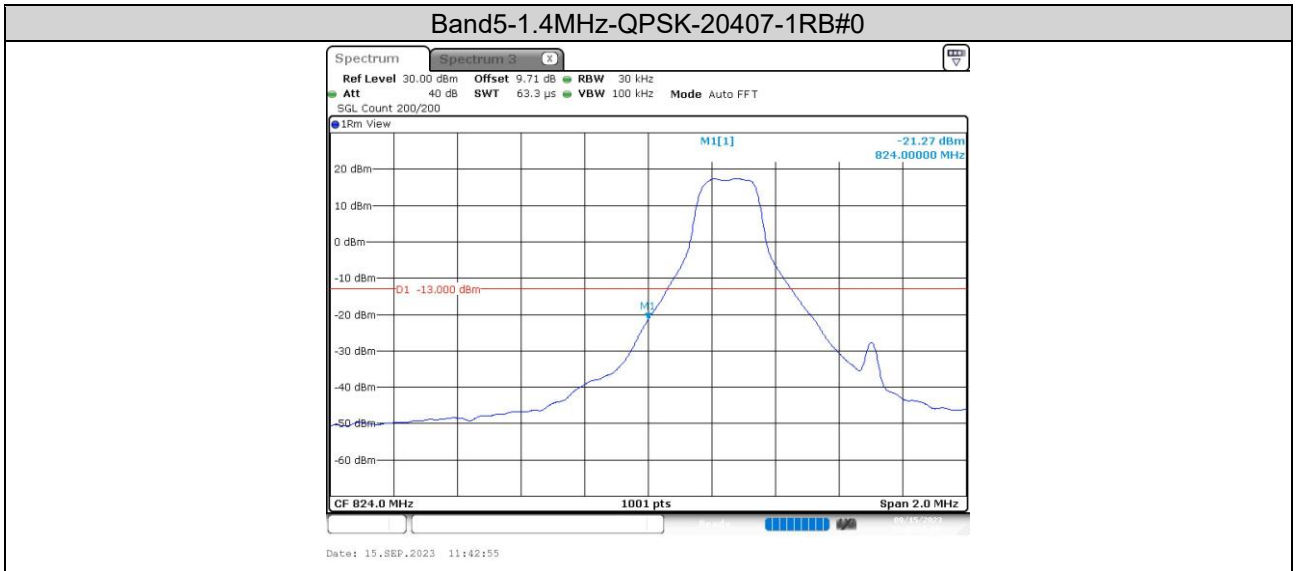
Date: 15\_SEP.2023 11:39:26

## APPENDIX F.4: BAND EDGE

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------|--------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0      | -21.27       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0      | -26.23       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5      | -20.89       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0      | -27.19       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0      | -23.10       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0      | -27.96       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#5      | -21.44       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0      | -29.03       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0      | -17.39       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0     | -24.09       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#14     | -17.03       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0     | -25.19       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0      | -18.29       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0     | -25.97       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#14     | -17.88       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0     | -26.79       | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0      | -21.89       | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0     | -27.72       | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#24     | -22.76       | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0     | -29.22       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0      | -23.10       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0     | -28.30       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 1RB#24     | -21.66       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0     | -30.35       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0      | -31.40       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0     | -31.75       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#49     | -32.72       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0     | -30.22       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 1RB#0      | -30.99       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0     | -32.13       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 1RB#49     | -31.31       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0     | -33.42       | PASS    |

### Test Graphs



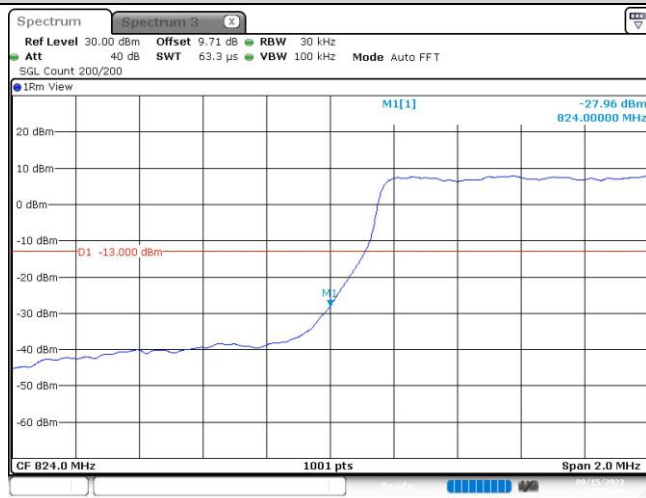
Band5-1.4MHz-QPSK-20643-6RB#0



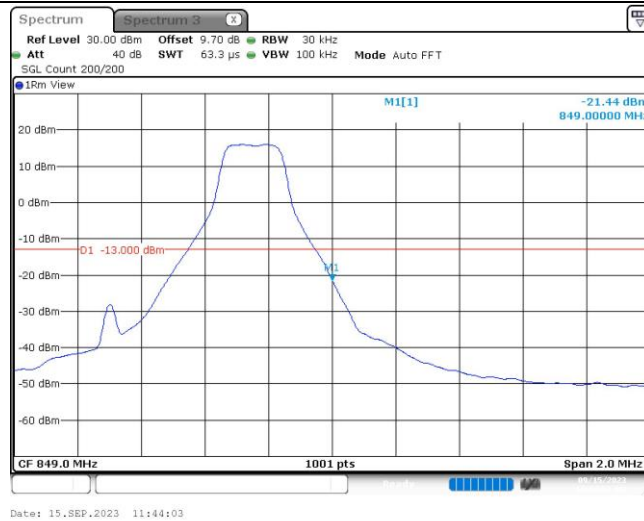
Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20643-1RB#5



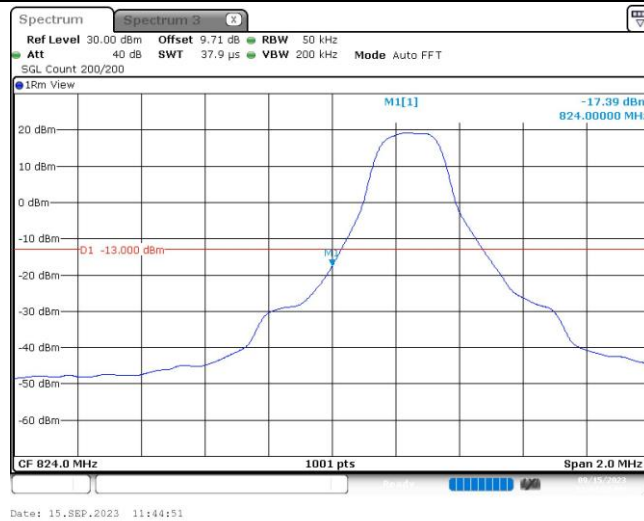
Date: 15. SEP. 2023 11:44:03

Band5-1.4MHz-16QAM-20643-6RB#0



Date: 15. SEP. 2023 11:44:23

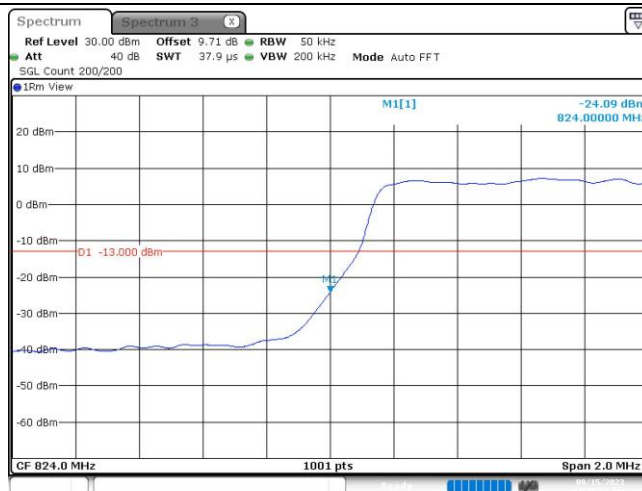
Band5-3MHz-QPSK-20415-1RB#0



Date: 15. SEP. 2023 11:44:51

Band5-3MHz-QPSK-20415-15RB#0





Date: 15\_SEP\_2023 11:45:11

Band5-3MHz-QPSK-20635-1RB#14



Date: 15\_SEP\_2023 11:45:49

Band5-3MHz-QPSK-20635-15RB#0



Date: 15\_SEP\_2023 11:46:09

Band5-3MHz-16QAM-20415-1RB#0



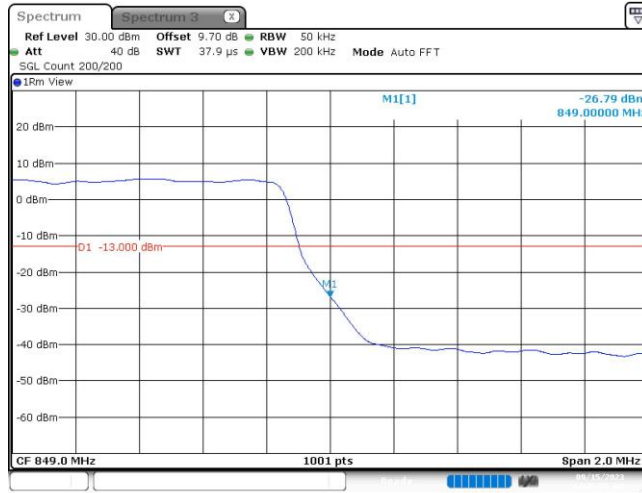
Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20635-1RB#14



Band5-3MHz-16QAM-20635-15RB#0



Date: 15. SEP. 2023 11:46:19

Band5-5MHz-QPSK-20425-1RB#0



Date: 15. SEP. 2023 11:46:46

Band5-5MHz-QPSK-20425-25RB#0



Date: 15. SEP. 2023 11:47:07

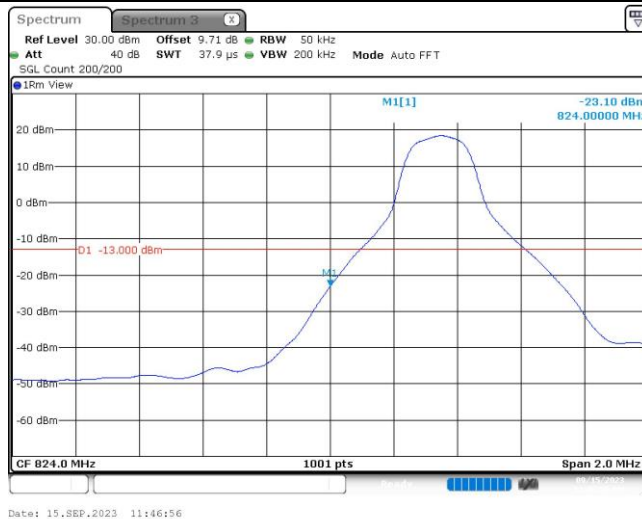
Band5-5MHz-QPSK-20625-1RB#24



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-1RB#0



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20625-1RB#24



Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-1RB#0



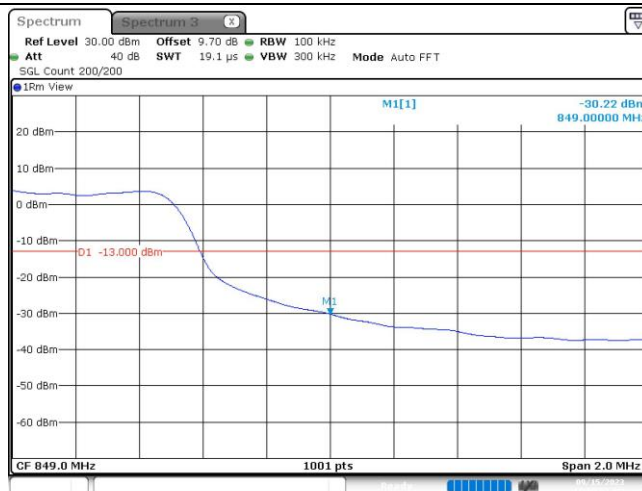
Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-1RB#49



Band5-10MHz-QPSK-20600-50RB#0



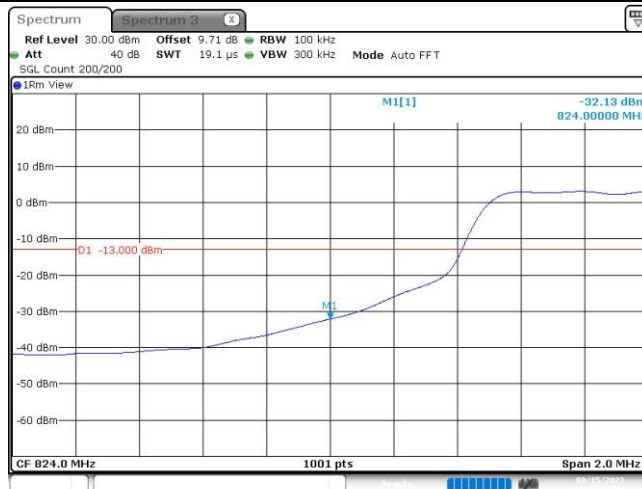
Date: 15\_SEP\_2023 11:50:02

Band5-10MHz-16QAM-20450-1RB#0



Date: 15\_SEP\_2023 11:48:53

Band5-10MHz-16QAM-20450-50RB#0



Date: 15\_SEP\_2023 11:49:14

Band5-10MHz-16QAM-20600-1RB#49





Date: 15.SEP.2023 11:49:52

Band5-10MHz-16QAM-20600-50RB#0



Date: 15.SEP.2023 11:50:12

## APPENDIX F.5: CONDUCTED SPURIOUS EMISSIONS

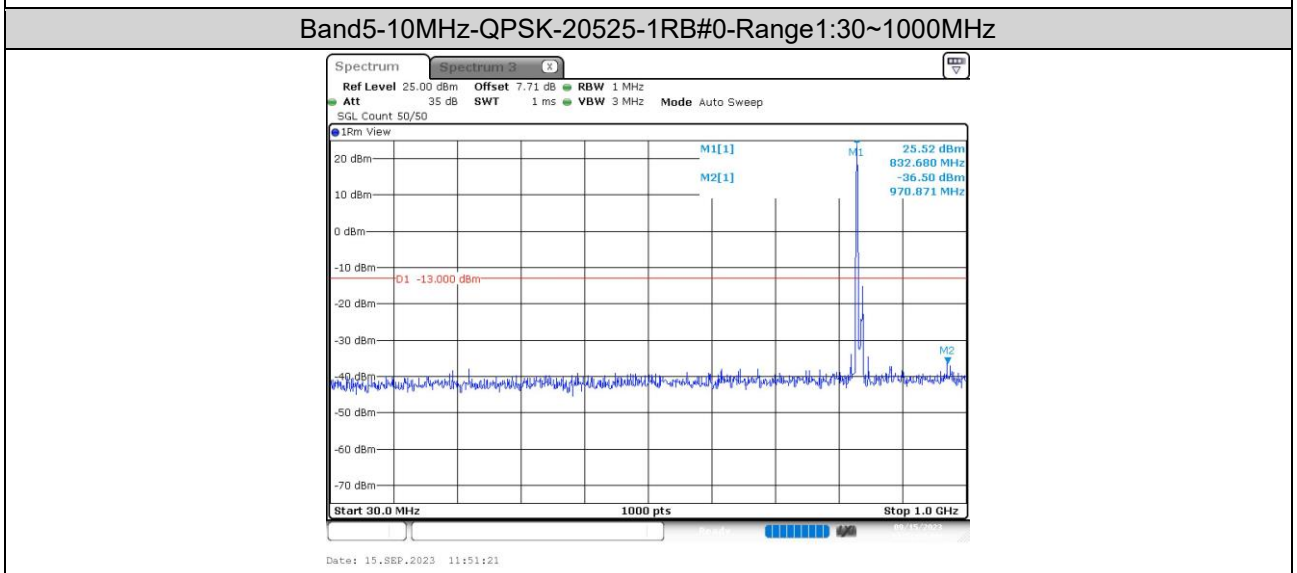
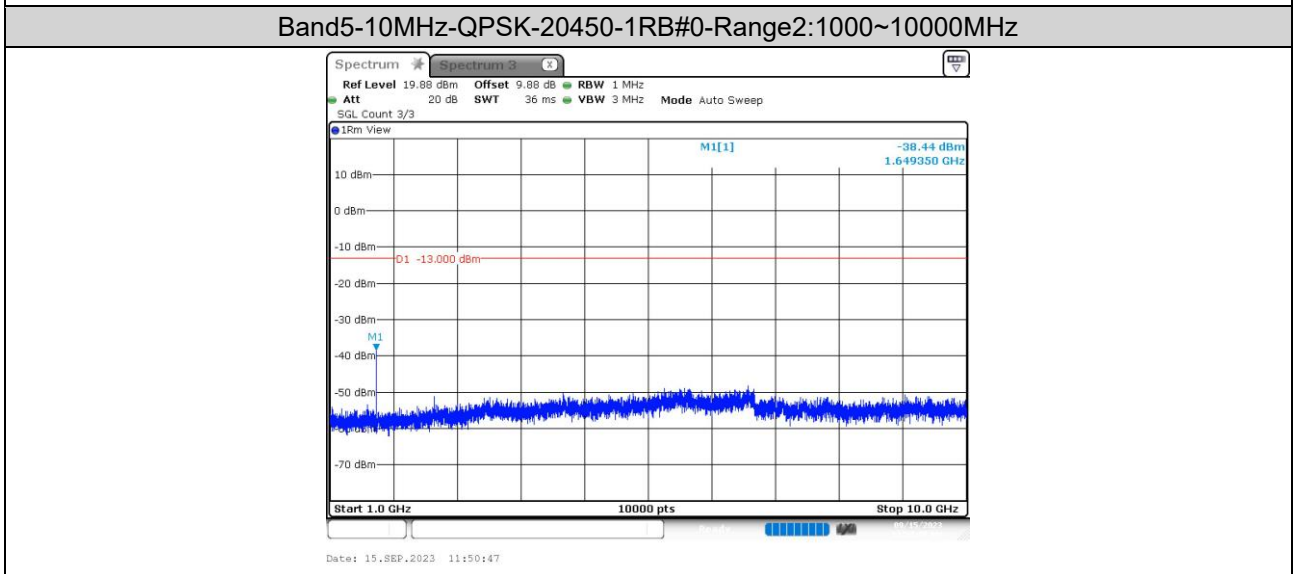
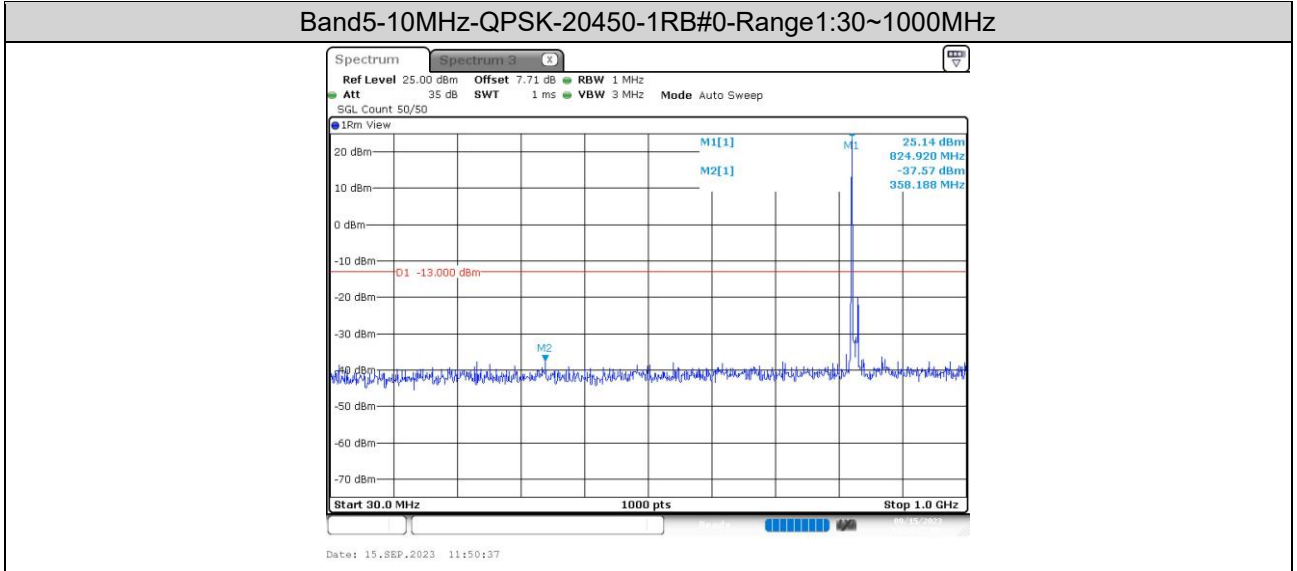
### Test Result

General:

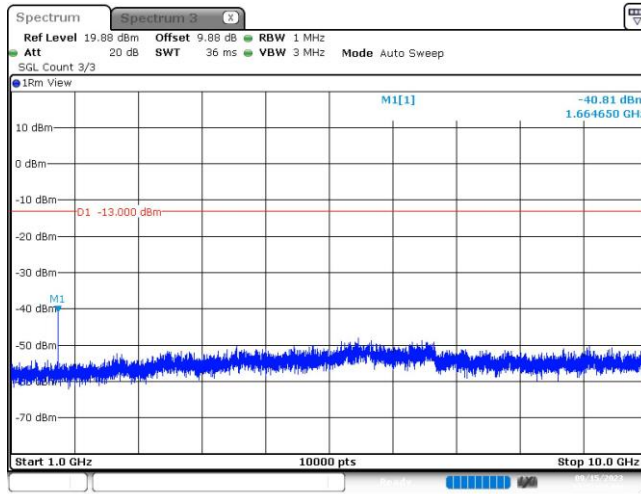
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | Range1:30~1000MHz    | -37.57       | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | Range2:1000~10000MHz | -38.44       | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | Range1:30~1000MHz    | -36.5        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | Range2:1000~10000MHz | -40.81       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | Range1:30~1000MHz    | -37.09       | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | Range2:1000~10000MHz | -58.35       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 1RB#0            | Range1:30~1000MHz    | -37.21       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 1RB#0            | Range2:1000~10000MHz | -35.1        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -36.53       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -38.26       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 1RB#0            | Range1:30~1000MHz    | -37.53       | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 1RB#0            | Range2:1000~10000MHz | -35.29       | PASS    |

### Test Graphs

General:

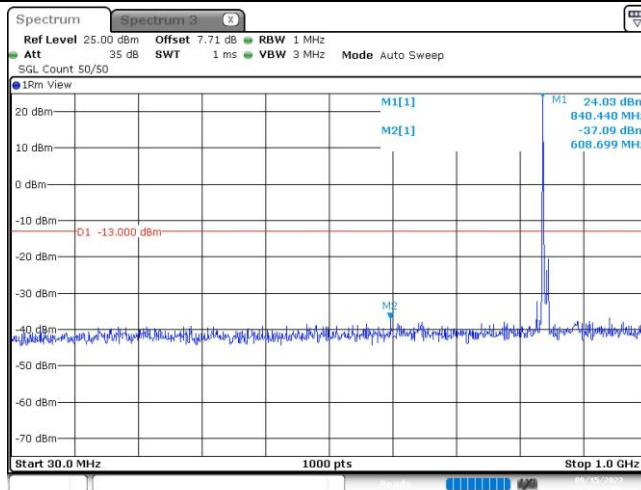


Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



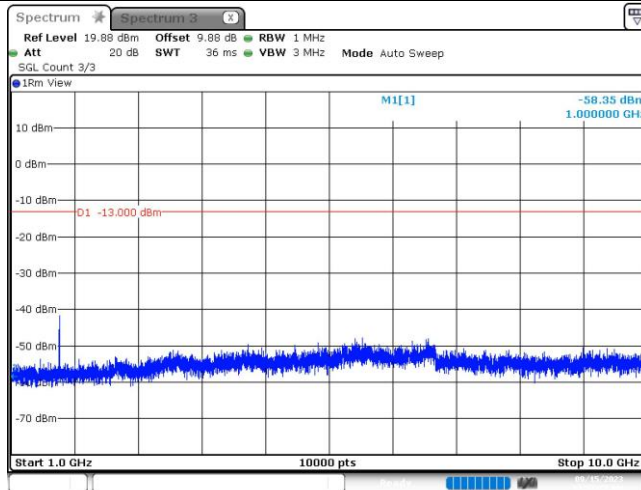
Date: 15\_SEP\_2023 11:51:31

Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



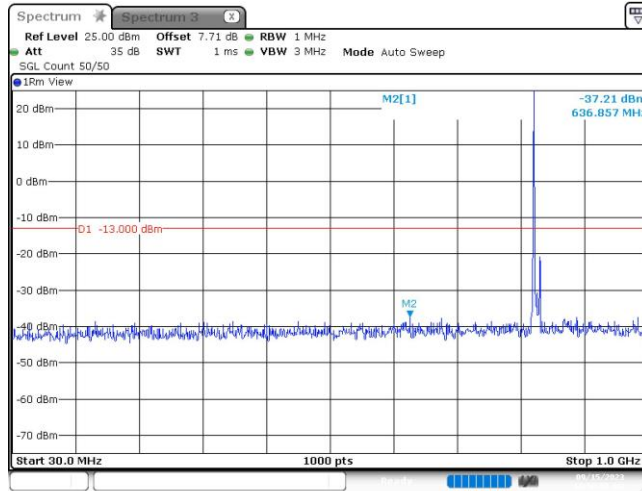
Date: 15\_SEP\_2023 11:52:07

Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



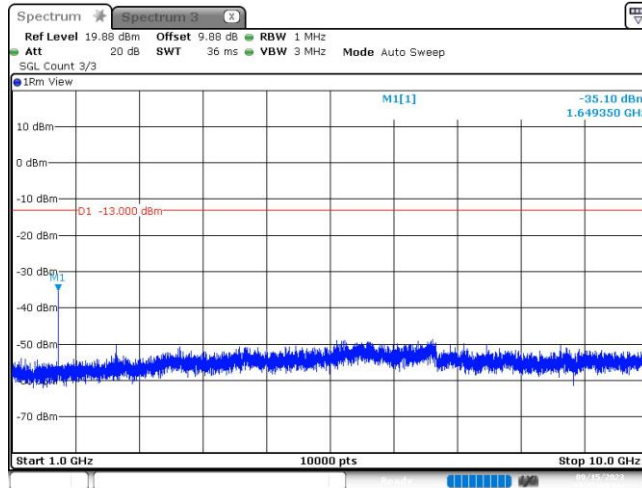
Date: 15\_SEP\_2023 11:52:17

Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



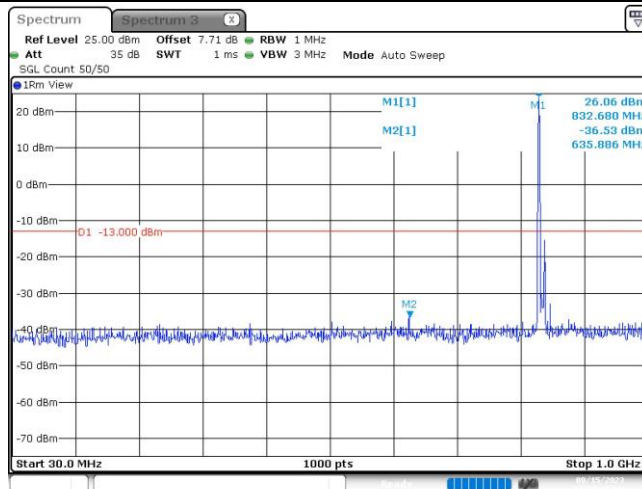
Date: 15.SEP.2023 11:50:58

Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



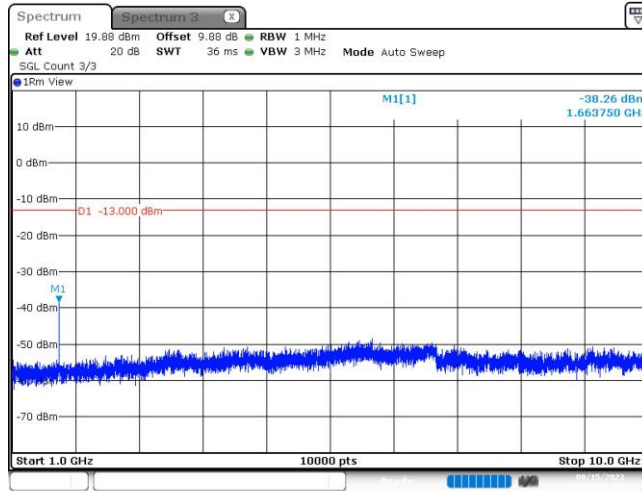
Date: 15.SEP.2023 11:51:08

Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



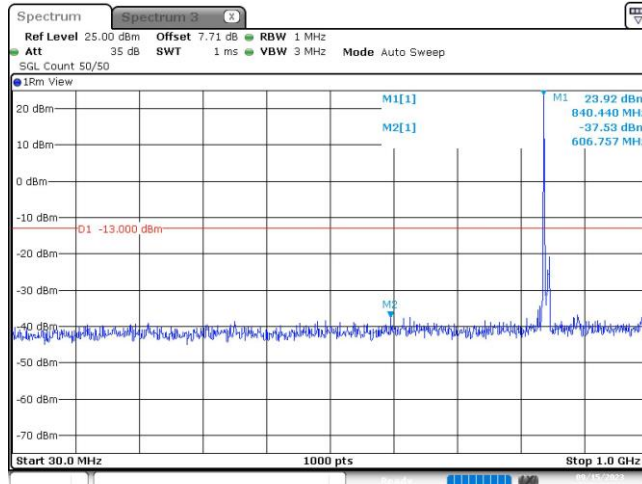
Date: 15.SEP.2023 11:51:42

Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



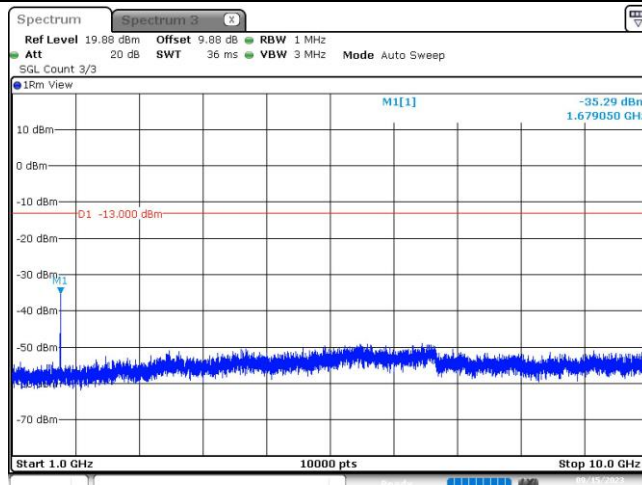
Date: 15.SEP.2023 11:51:53

Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Date: 15.SEP.2023 11:52:28

Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2023 11:52:38

## APPENDIX F.6: FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 10MHz     | QPSK       | 20450   | 100RB#0      | VL            | NT               | -3.02          | -0.003643       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20450   | 100RB#0      | VN            | NT               | -2.19          | -0.002642       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20450   | 100RB#0      | VH            | NT               | -4.21          | -0.005078       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 100RB#0      | VL            | NT               | 1.77           | 0.002116        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 100RB#0      | VN            | NT               | -1.92          | -0.002295       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 100RB#0      | VH            | NT               | -2.73          | -0.003264       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 100RB#0      | VL            | NT               | -4.43          | -0.005249       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 100RB#0      | VN            | NT               | -3.62          | -0.004289       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 100RB#0      | VH            | NT               | -2.53          | -0.002998       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20450   | 100RB#0      | VL            | NT               | 2.33           | 0.002811        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20450   | 100RB#0      | VN            | NT               | -2.23          | -0.002690       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20450   | 100RB#0      | VH            | NT               | -2.27          | -0.002738       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20525   | 100RB#0      | VL            | NT               | 2.30           | 0.002750        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20525   | 100RB#0      | VN            | NT               | -3.36          | -0.004017       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20525   | 100RB#0      | VH            | NT               | 3.86           | 0.004614        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20600   | 100RB#0      | VL            | NT               | -2.02          | -0.002393       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20600   | 100RB#0      | VN            | NT               | -2.76          | -0.003270       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20600   | 100RB#0      | VH            | NT               | -1.83          | -0.002168       | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | -30              | -2.00          | -0.002413       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | -20              | -2.82          | -0.003402       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 0                | 2.83           | 0.003414        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 10               | -2.37          | -0.002859       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 20               | 1.59           | 0.001918        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 30               | -1.06          | -0.001279       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 40               | 1.29           | 0.001556        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 50               | -2.83          | -0.003414       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 100RB#0      | NV            | 55               | -3.09          | -0.003727       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | -30              | -2.26          | -0.002702       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | -20              | 1.39           | 0.001662        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 0                | 1.53           | 0.001829        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 10               | 2.69           | 0.003216        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 20               | 1.33           | 0.001590        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 30               | 2.37           | 0.002833        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 40               | 2.29           | 0.002738        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 50               | 1.87           | 0.002236        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 100RB#0      | NV            | 55               | -1.97          | -0.002355       | ±2.5        | PASS    |



|       |       |       |       |         |    |     |       |           |      |      |
|-------|-------|-------|-------|---------|----|-----|-------|-----------|------|------|
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | -30 | -4.05 | -0.004799 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | -20 | -4.38 | -0.005190 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 0   | -3.86 | -0.004573 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 10  | -2.65 | -0.003140 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 20  | -3.48 | -0.004123 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 30  | 2.99  | 0.003543  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 40  | -2.98 | -0.003531 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 50  | -3.30 | -0.003910 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 100RB#0 | NV | 55  | -3.19 | -0.003780 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | -30 | -2.40 | -0.002895 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | -20 | -4.03 | -0.004861 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 0   | -2.40 | -0.002895 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 10  | -1.92 | -0.002316 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 20  | -2.50 | -0.003016 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 30  | 2.35  | 0.002835  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 40  | 2.05  | 0.002473  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 50  | -3.92 | -0.004729 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 100RB#0 | NV | 55  | -2.03 | -0.002449 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | -30 | 2.02  | 0.002415  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | -20 | -2.49 | -0.002977 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 0   | 2.52  | 0.003013  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 10  | -2.66 | -0.003180 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 20  | 2.07  | 0.002475  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 30  | -2.27 | -0.002714 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 40  | -2.39 | -0.002857 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 50  | -2.45 | -0.002929 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 100RB#0 | NV | 55  | 1.43  | 0.001710  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | -30 | -2.72 | -0.003223 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | -20 | -2.82 | -0.003341 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 0   | 1.82  | 0.002156  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 10  | -1.77 | -0.002097 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 20  | -1.93 | -0.002287 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 30  | -3.15 | -0.003732 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 40  | 3.32  | 0.003934  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 50  | -1.67 | -0.001979 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 100RB#0 | NV | 55  | -3.25 | -0.003851 | ±2.5 | PASS |