

## **Appendix for Band 5**

Product Name: LutiBand and GuardianCall

Model No: LBGC0001

## Appendix A: Average Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 24.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2            | 24.40       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | 24.44       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0            | 24.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1            | 24.44       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3            | 24.50       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 23.44       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 24.74       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2            | 24.77       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5            | 24.69       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0            | 24.84       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1            | 24.85       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3            | 24.78       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 23.86       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 24.66       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2            | 24.63       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | 24.66       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0            | 24.73       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1            | 24.74       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3            | 24.78       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 23.70       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 23.31       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2            | 23.34       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | 23.37       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0            | 23.24       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1            | 23.26       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3            | 23.26       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 22.26       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 23.68       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2            | 23.74       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5            | 23.65       | PASS    |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#0  | 23.69 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#1  | 23.70 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3  | 23.61 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0  | 22.85 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 23.55 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2  | 23.58 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 23.56 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 23.53 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 23.52 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 23.55 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 22.53 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 23.48 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 24.57 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 24.54 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 23.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 23.46 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 23.51 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 23.44 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 24.88 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#8  | 24.90 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 24.89 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#0  | 23.82 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#4  | 23.81 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 8RB#7  | 23.82 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 15RB#0 | 23.81 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#0  | 24.83 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#8  | 24.79 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 1RB#14 | 24.74 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#0  | 23.70 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#4  | 23.71 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 8RB#7  | 23.66 | PASS |
| Band5 | 3MHz   | QPSK  | 20635 | 15RB#0 | 23.68 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#0  | 23.52 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#8  | 23.55 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 1RB#14 | 23.53 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#0  | 22.49 | PASS |
| Band5 | 3MHz   | 16QAM | 20415 | 8RB#4  | 22.48 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7   | 22.48 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0  | 22.47 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0   | 23.93 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8   | 23.90 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14  | 23.90 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0   | 22.86 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4   | 22.86 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7   | 22.88 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0  | 22.82 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0   | 23.82 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8   | 23.75 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14  | 23.74 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0   | 22.72 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4   | 22.75 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7   | 22.73 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0  | 22.71 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 24.68 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 24.70 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 24.72 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 23.51 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 23.49 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 23.53 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 23.51 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 24.92 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 24.96 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 24.93 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 23.87 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 23.88 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 23.85 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 23.85 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 25.01 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 24.96 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#24  | 24.91 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#0  | 23.80 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#6  | 23.81 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#13 | 23.69 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0  | 23.76 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0   | 23.39 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#12  | 23.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#24  | 23.51 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#0  | 22.51 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#6  | 22.47 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#13 | 22.49 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0  | 22.53 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0   | 23.86 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#12  | 23.88 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#24  | 23.93 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#0  | 22.90 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#6  | 22.90 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#13 | 22.89 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0  | 22.84 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0   | 23.78 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12  | 23.71 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24  | 23.63 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#0  | 22.77 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#6  | 22.82 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#13 | 22.69 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0  | 22.79 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 24.53 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 24.67 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 24.81 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 23.54 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 23.53 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 23.67 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 23.65 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 24.70 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 24.92 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 24.83 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 23.84 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 23.81 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 23.85 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 23.83 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 25.09 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 24.95 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 24.77 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 23.96 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 23.97 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 23.77 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 23.85 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 23.52 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 23.63 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 23.81 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 22.54 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 22.55 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 22.63 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 22.62 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 23.55 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 23.77 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 23.68 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 22.86 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 22.86 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 22.88 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 22.84 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 23.96 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 23.91 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 23.75 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 22.92 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 22.92 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 22.75 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 22.86 | PASS |

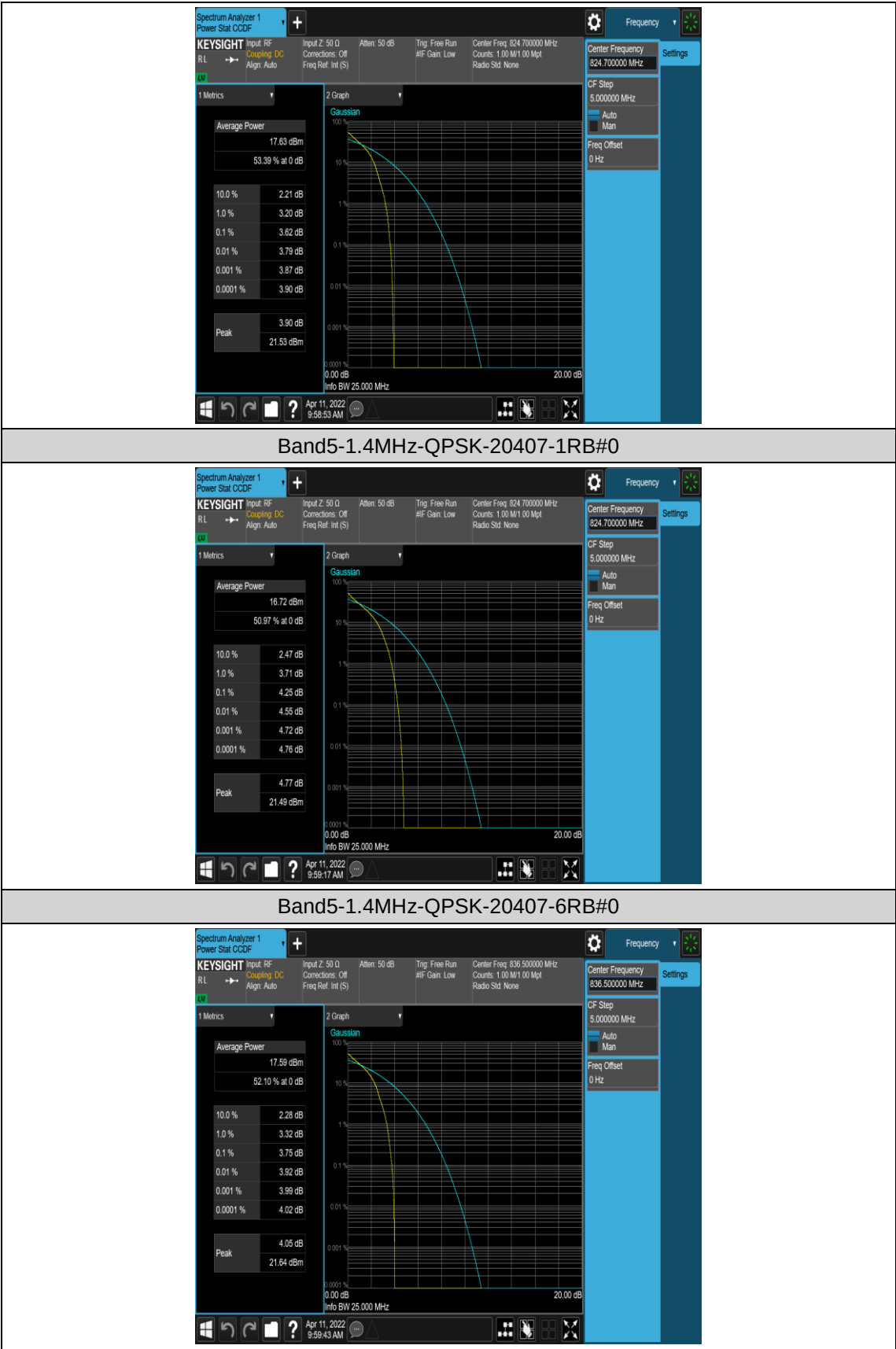
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

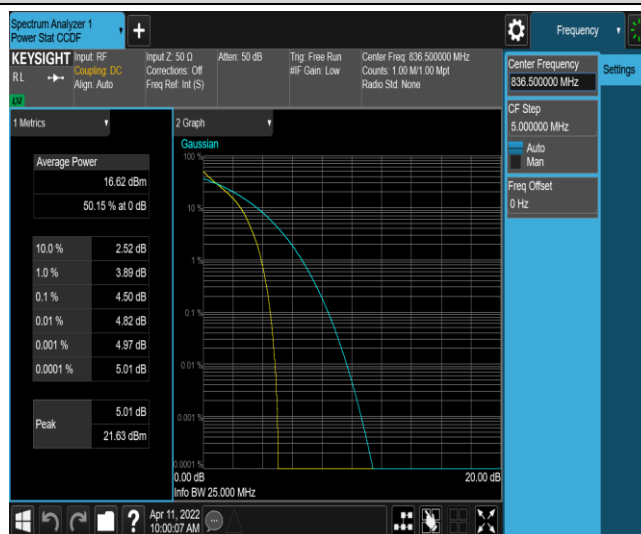
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 3.62       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 4.25       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 3.75       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 4.50       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 3.78       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 4.50       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 4.63       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 5.10       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 4.78       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 5.36       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | 4.69       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 5.40       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 3.54       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 4.28       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | 3.65       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 4.57       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | 3.75       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 4.62       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0            | 4.46       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 5.17       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 1RB#0            | 4.62       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 5.49       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#0            | 4.66       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 5.48       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | 3.48       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.19       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 1RB#0            | 3.53       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.54       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | 3.89       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.72       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0            | 4.37       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 5.04       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 1RB#0            | 4.50       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 5.37       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 1RB#0            | 4.75       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 5.50       | 13        | PASS    |

|       |       |       |       |        |      |    |      |
|-------|-------|-------|-------|--------|------|----|------|
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0  | 3.46 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | 4.31 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0  | 3.56 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | 4.58 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0  | 3.86 | 13 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | 4.85 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0  | 4.39 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 5.15 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0  | 4.44 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 5.44 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0  | 4.78 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 5.71 | 13 | PASS |

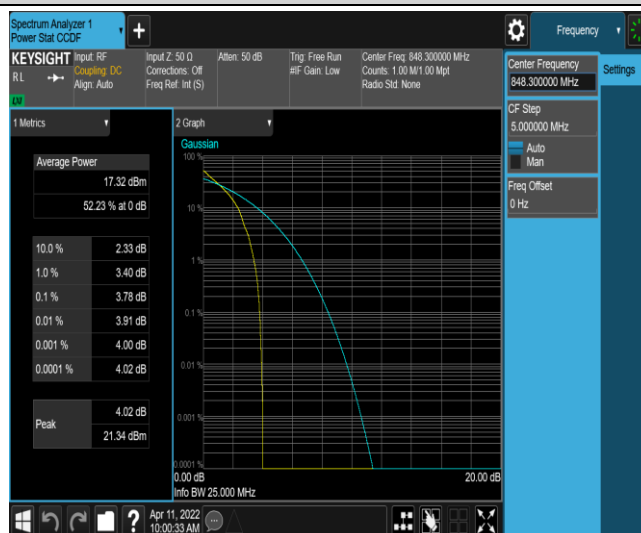
Test Graphs



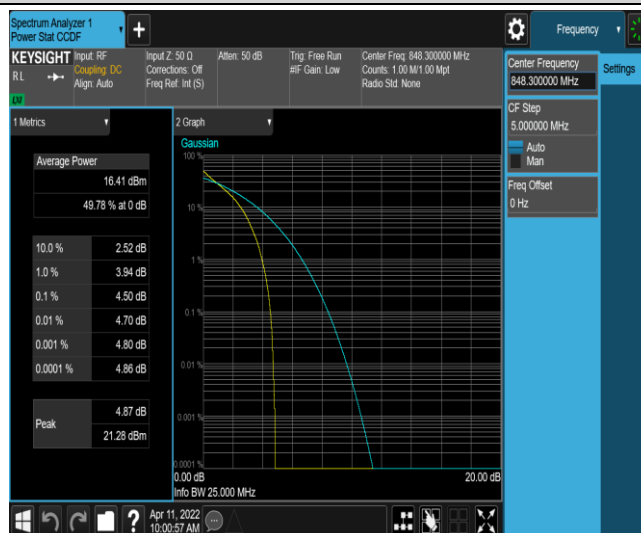
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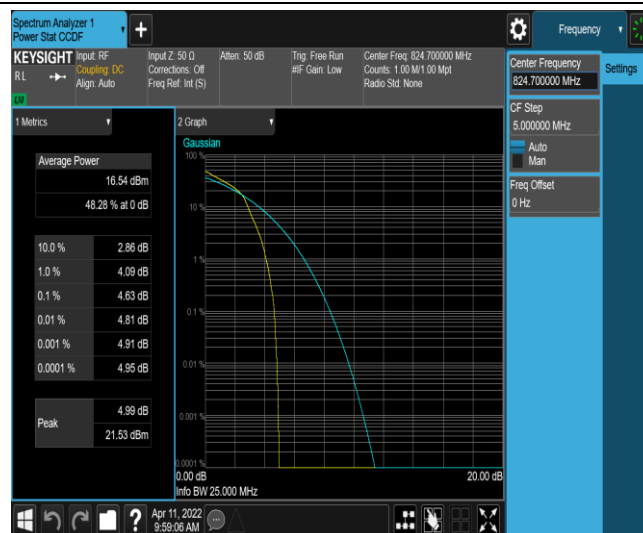
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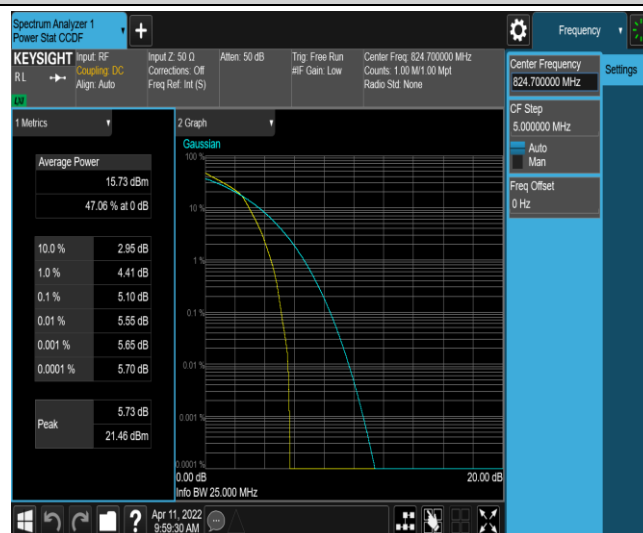
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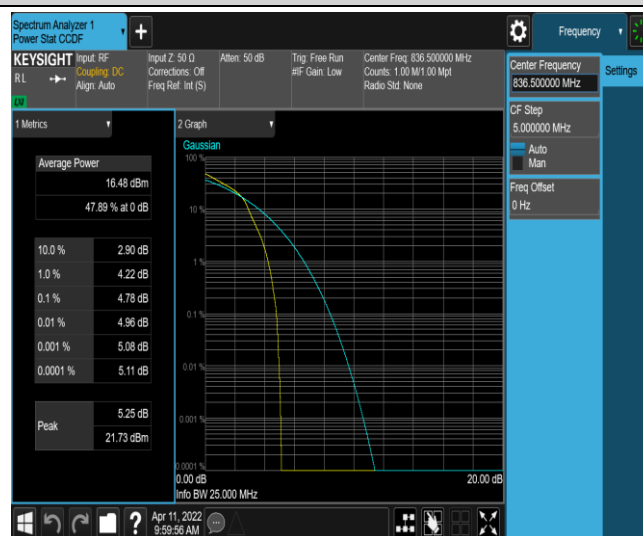
## Band5-1.4MHz-QPSK-20643-6RB#0



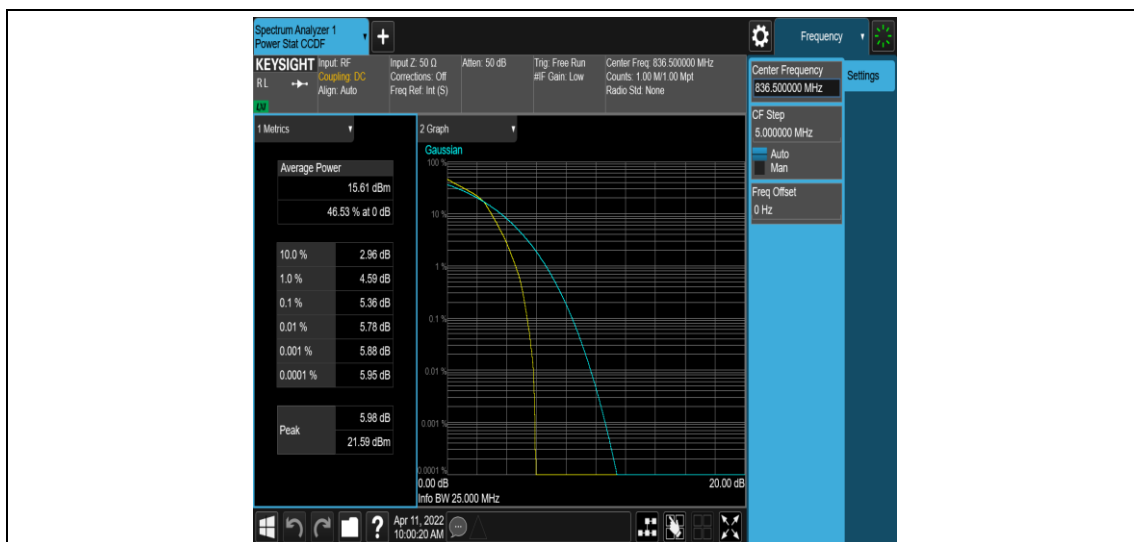
Band5-1.4MHz-16QAM-20407-1RB#0



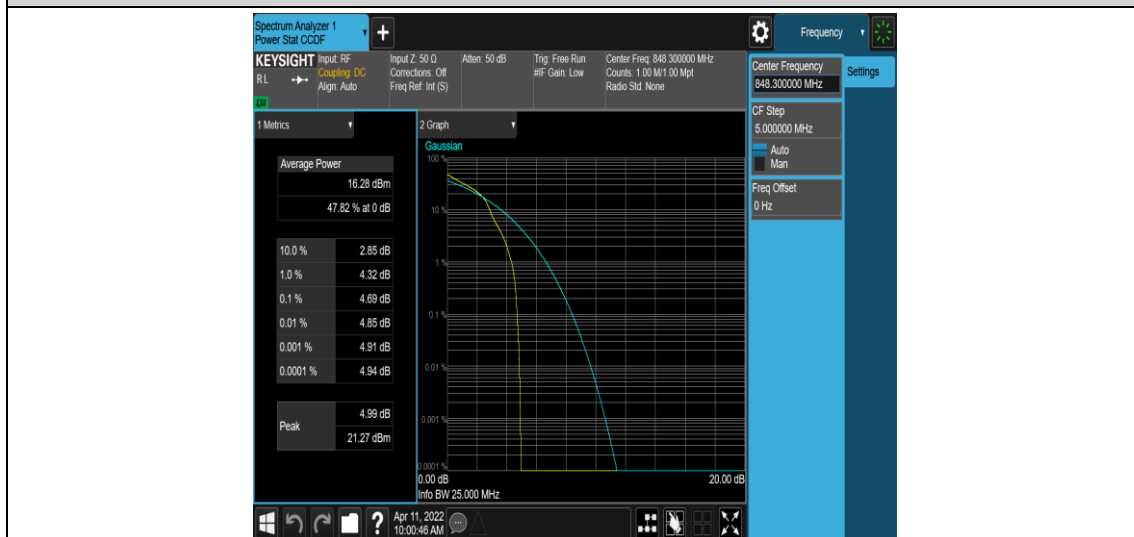
Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-1RB#0



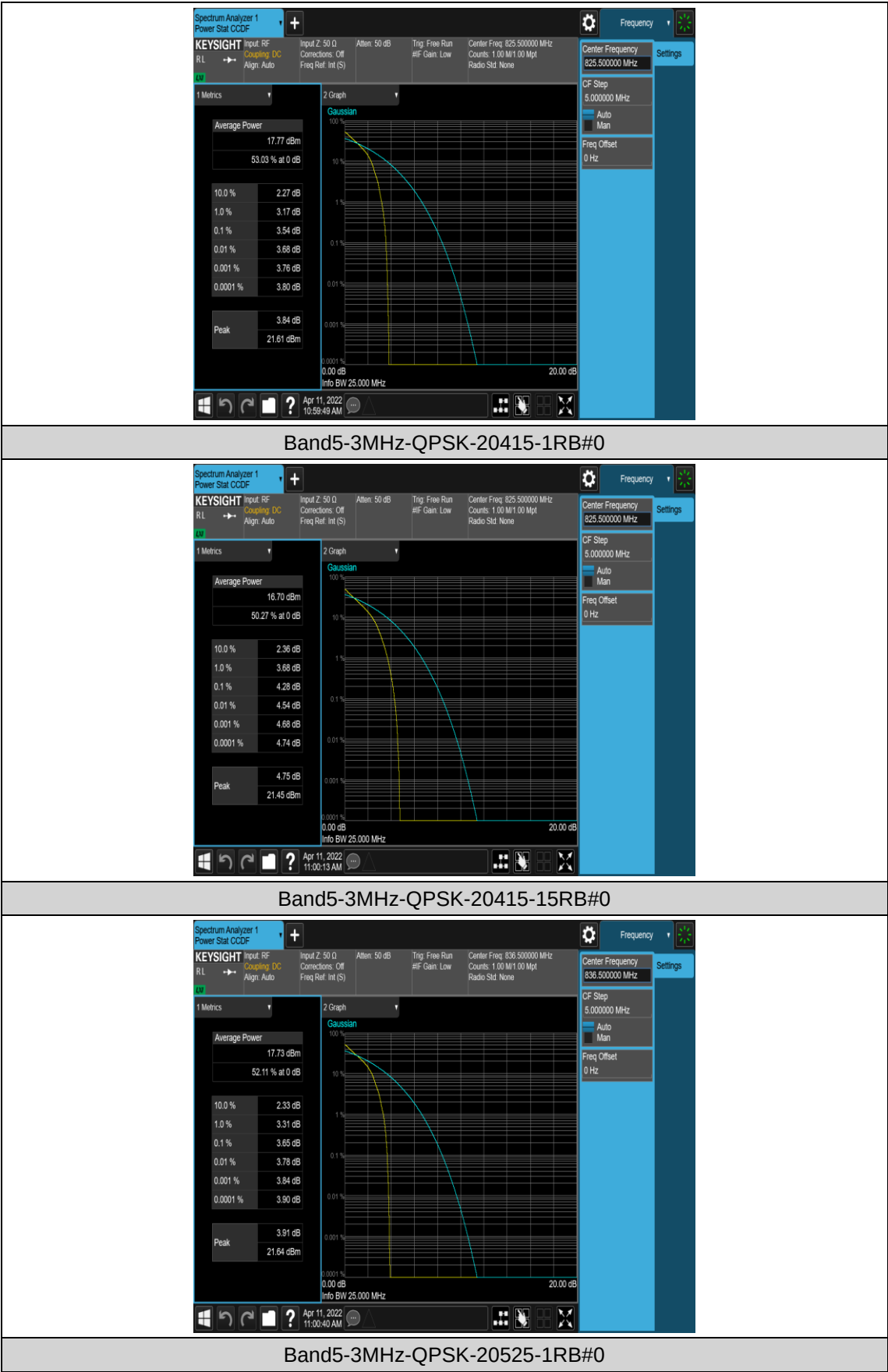
Band5-1.4MHz-16QAM-20525-6RB#0

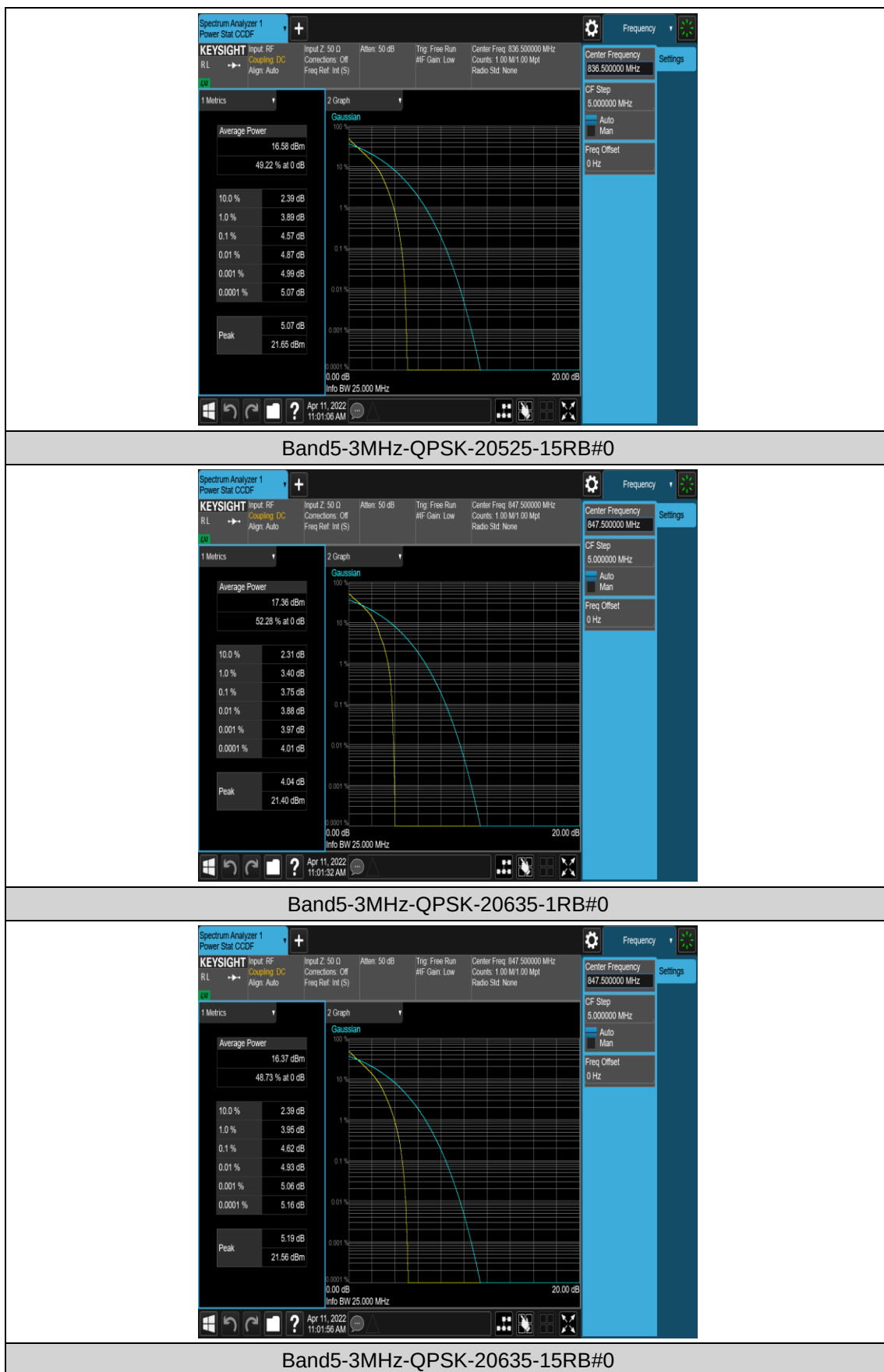


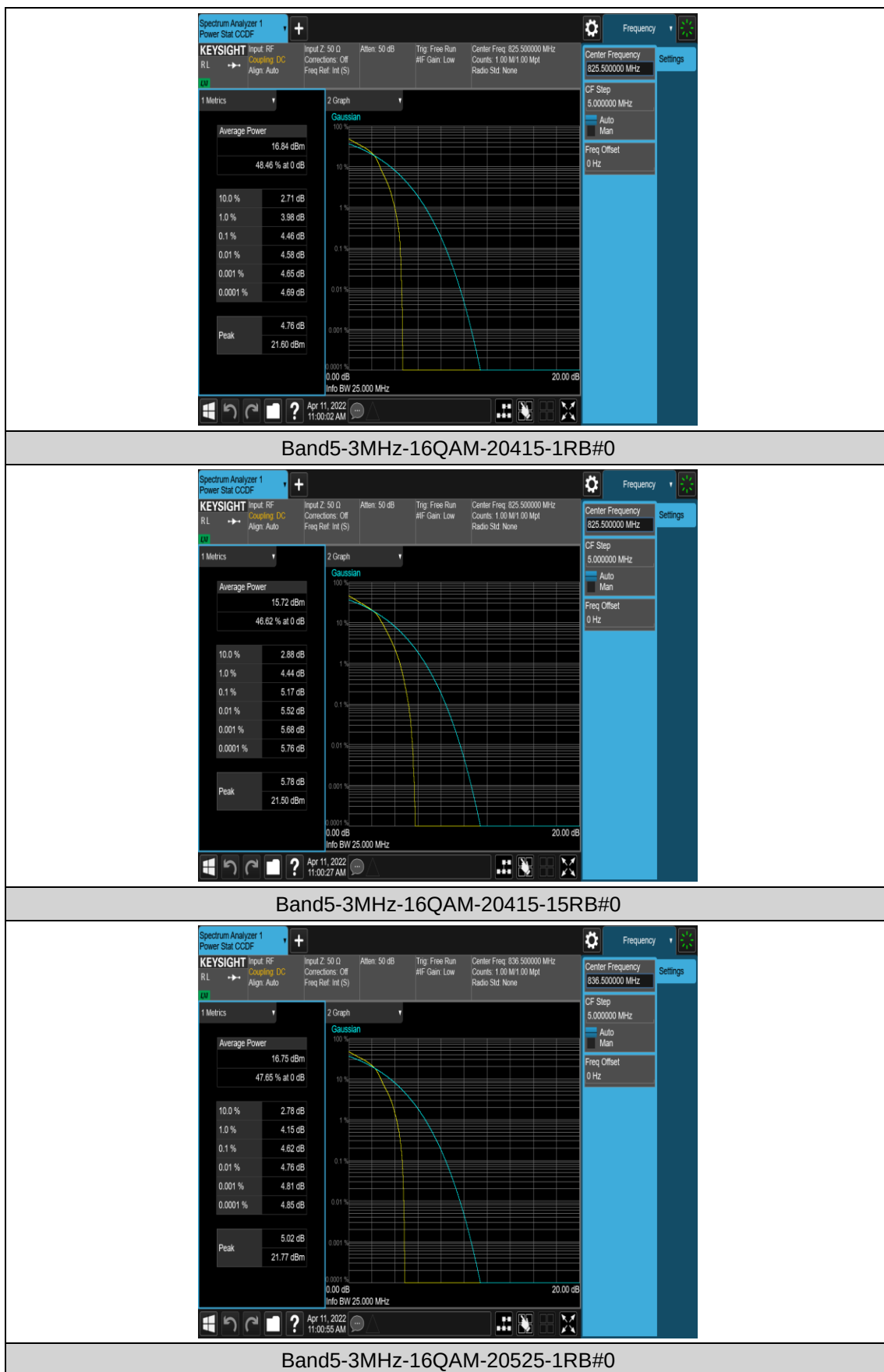
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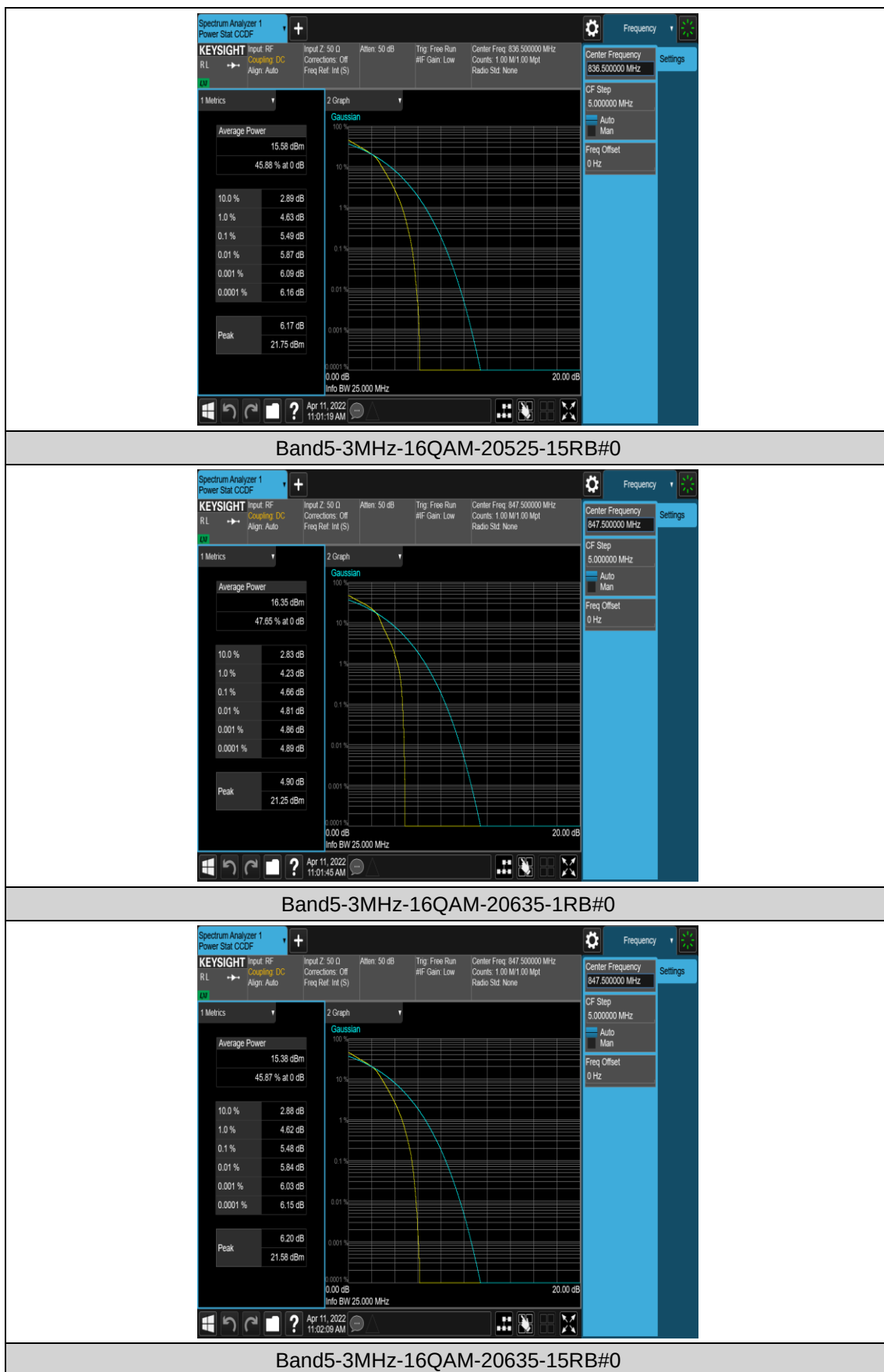


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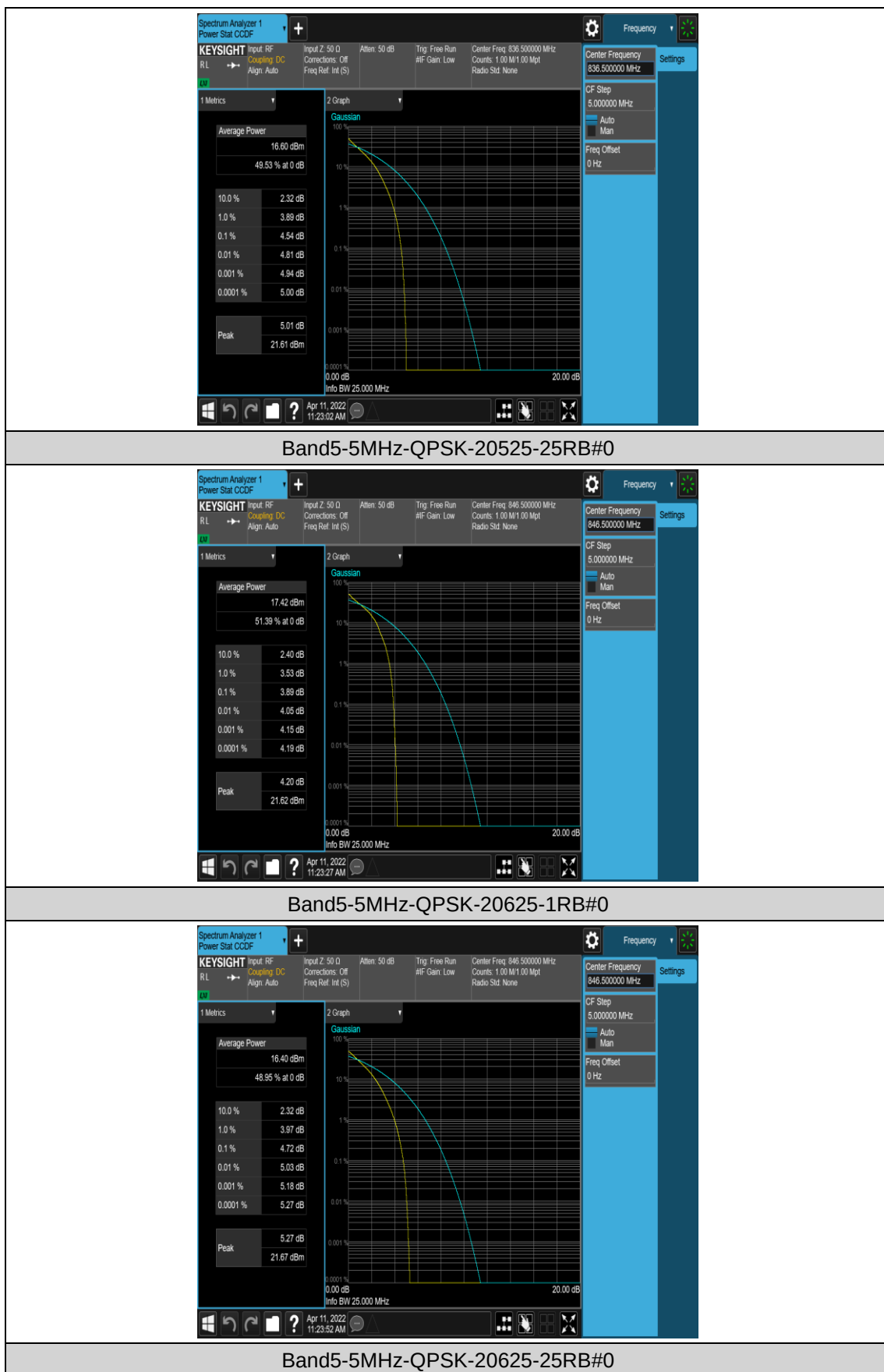


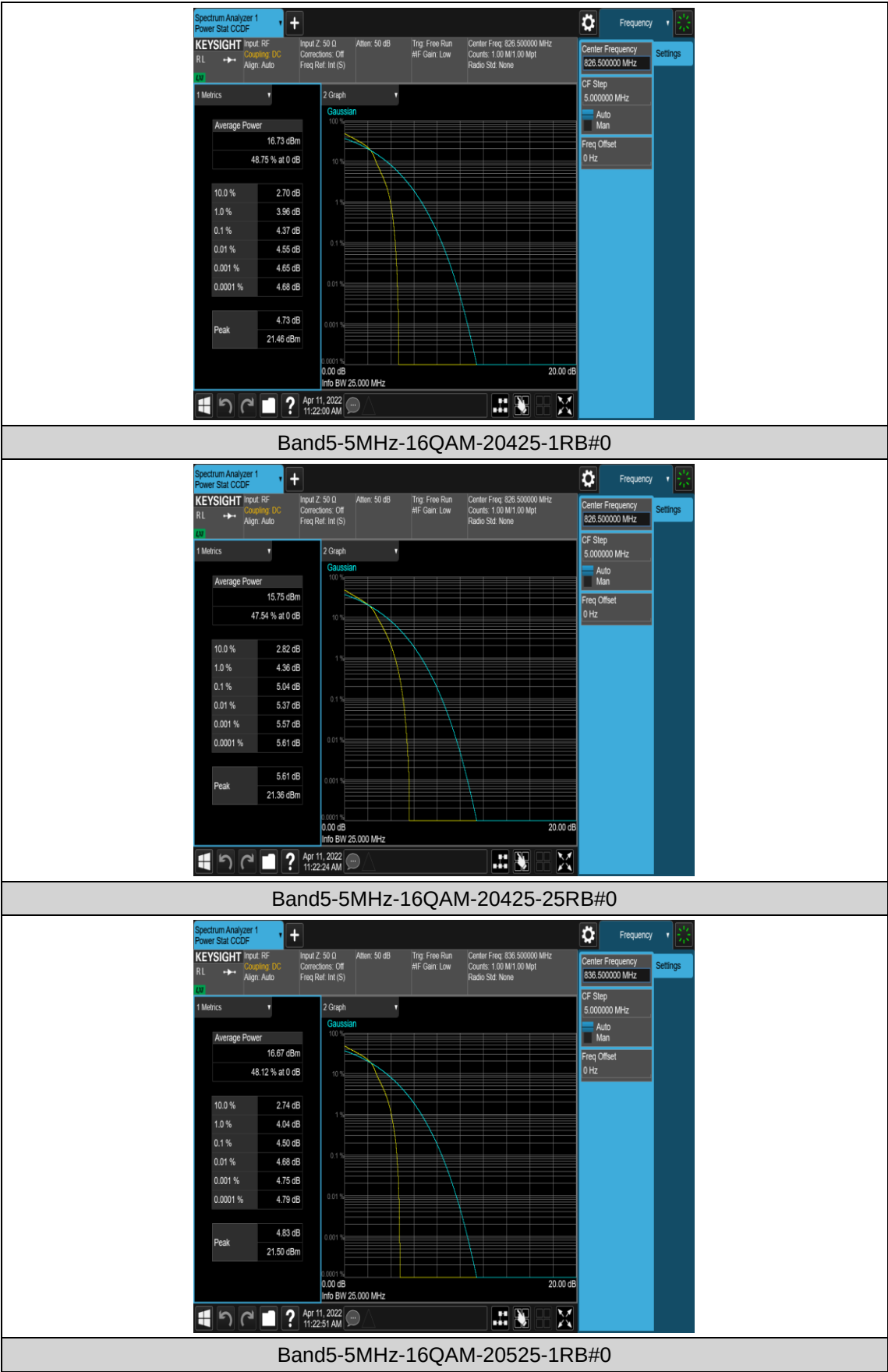


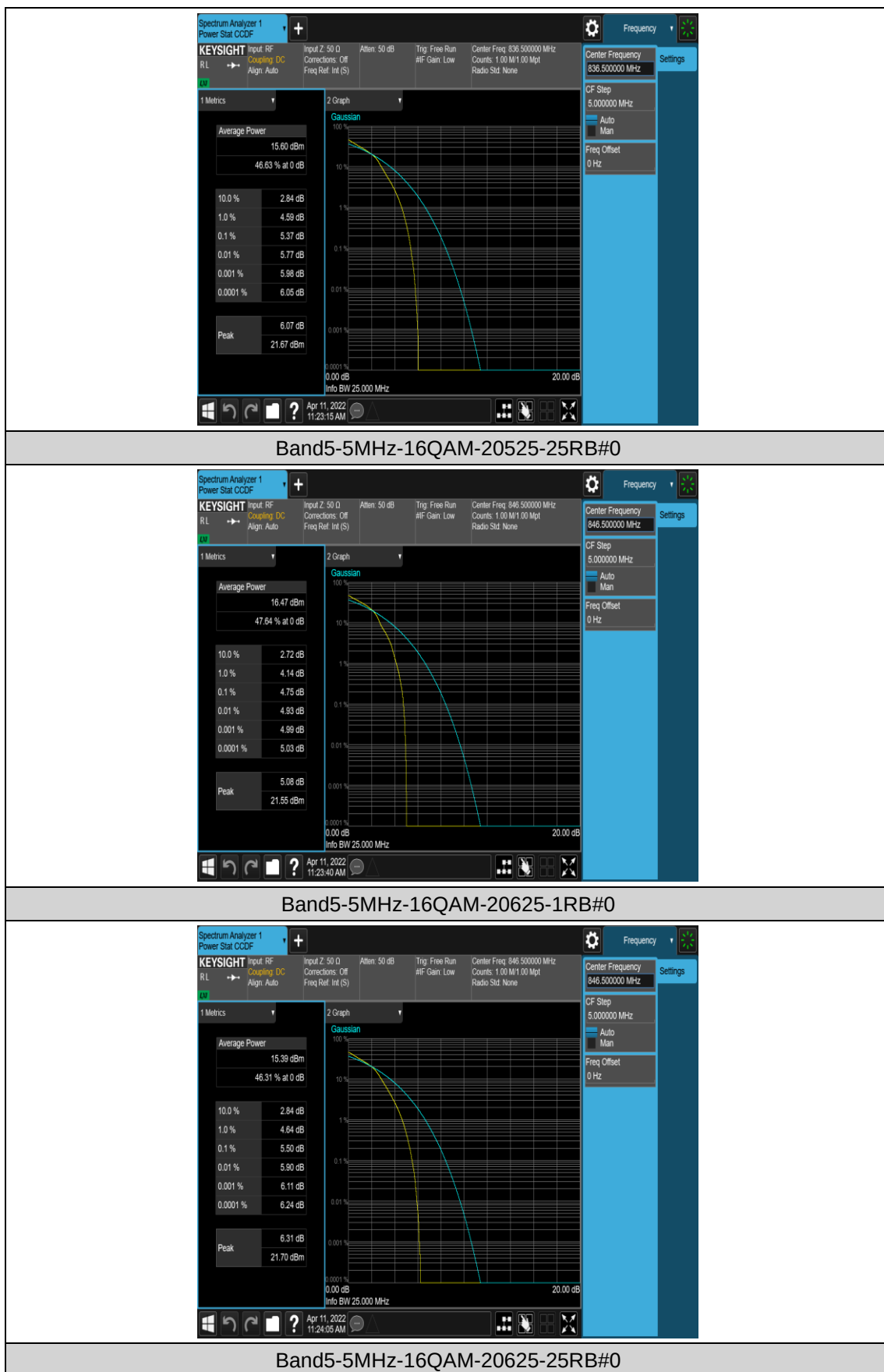


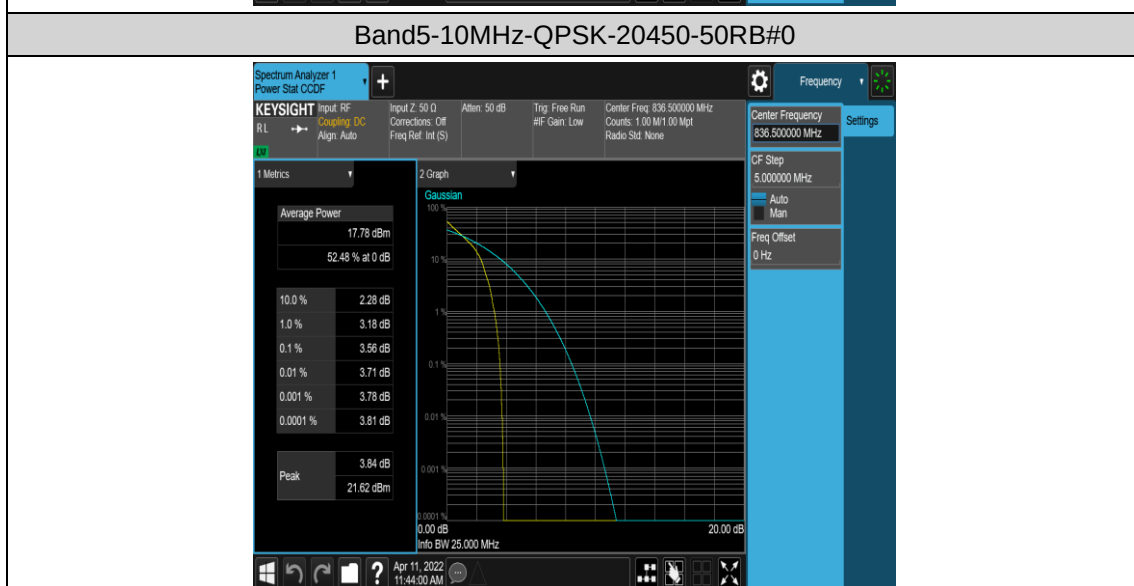
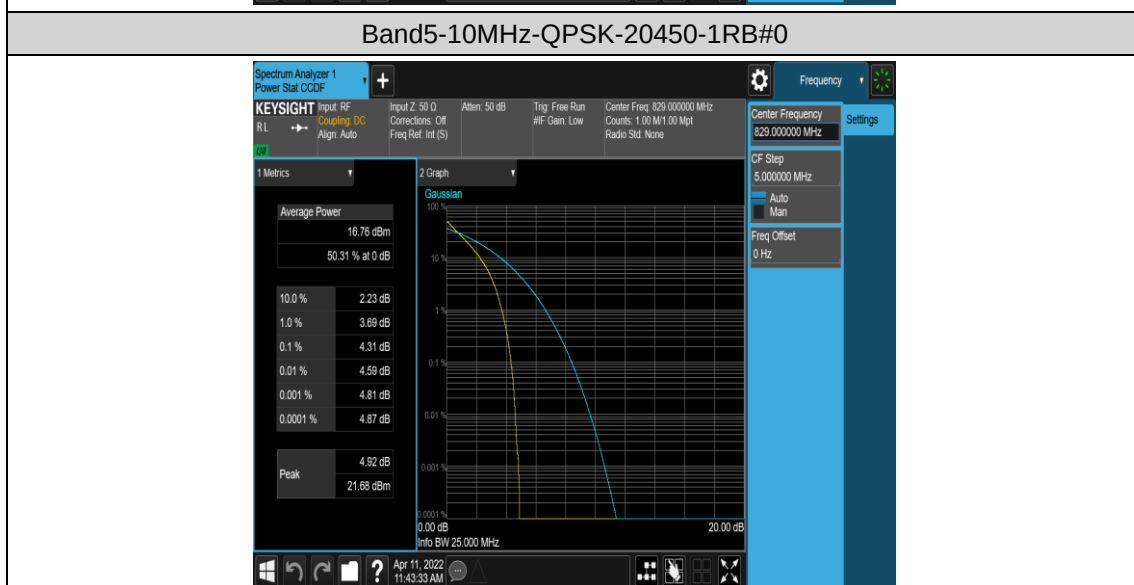
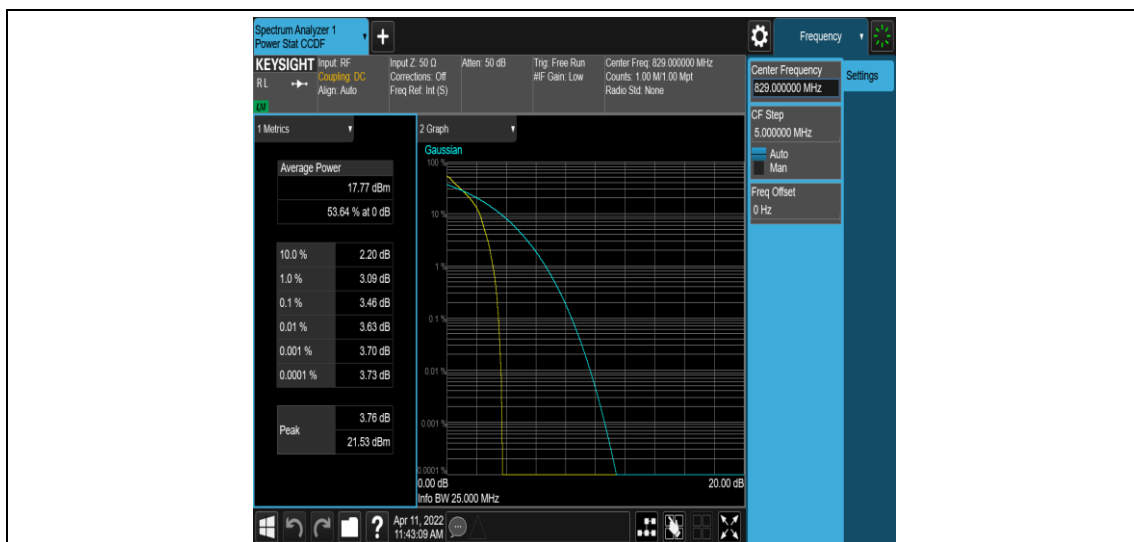


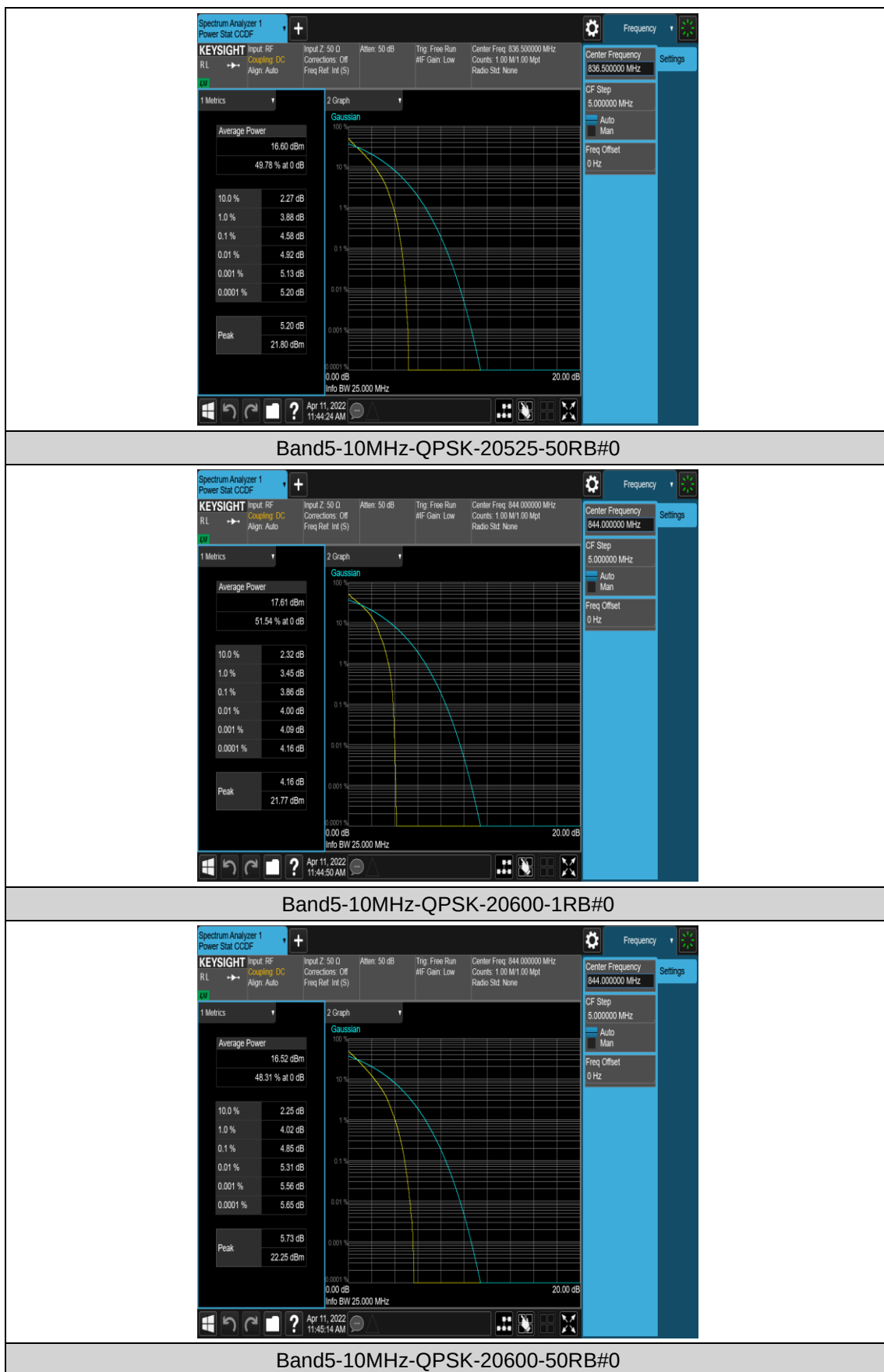










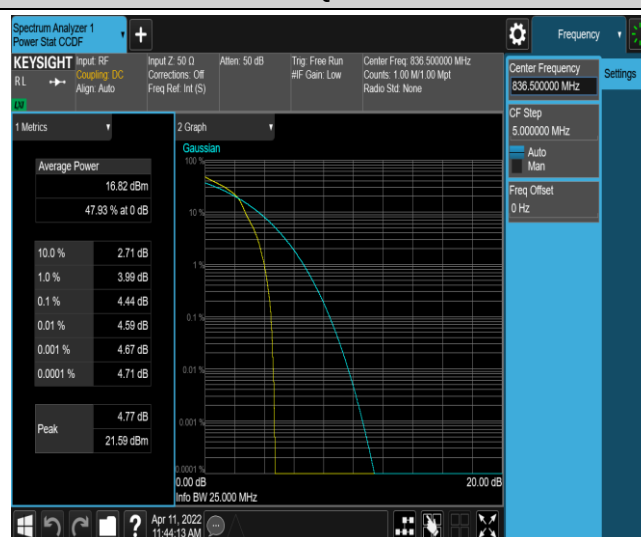




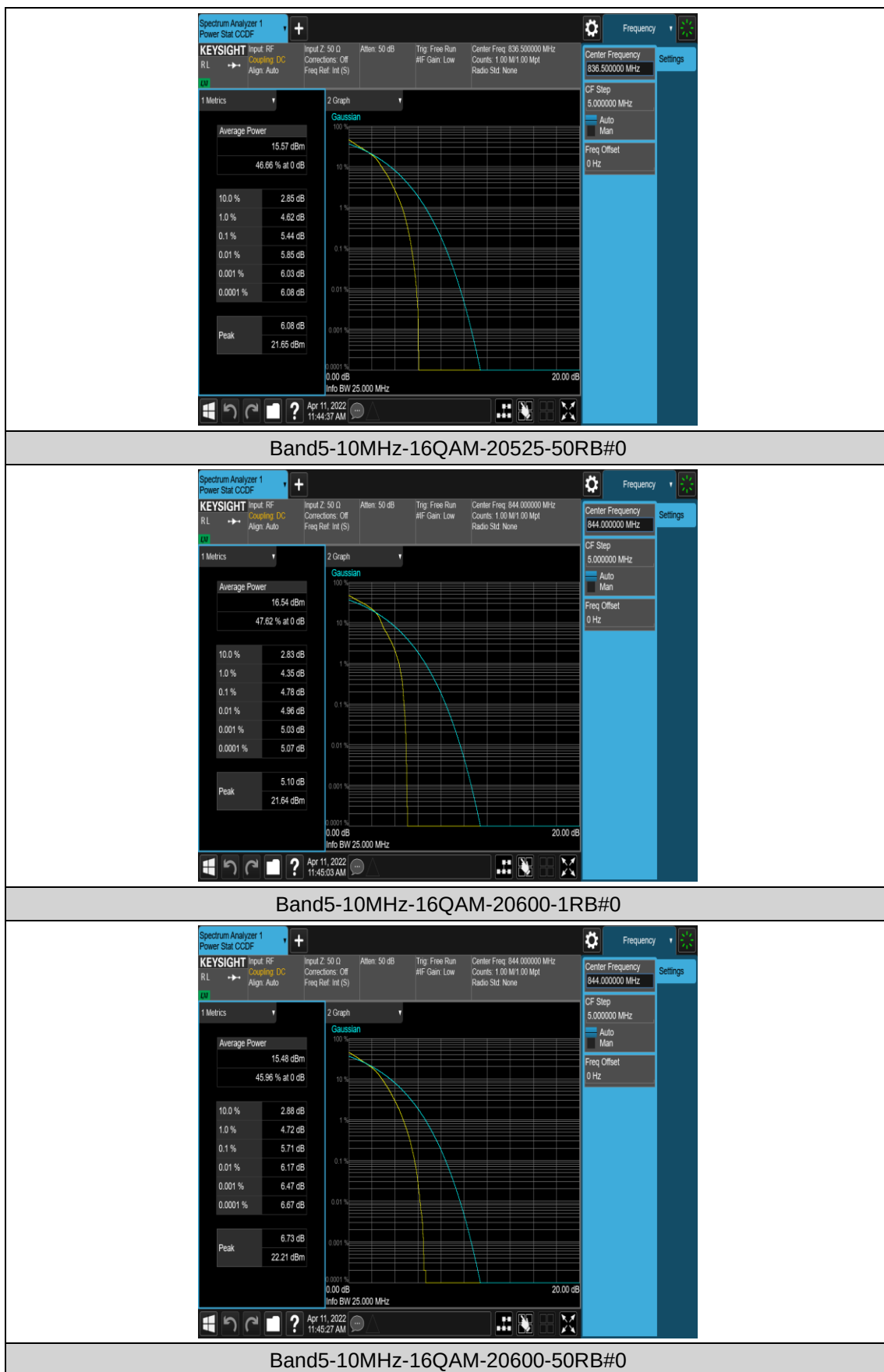
Band5-10MHz-16QAM-20450-1RB#0



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



Band5-10MHz-16QAM-20525-1RB#0



## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

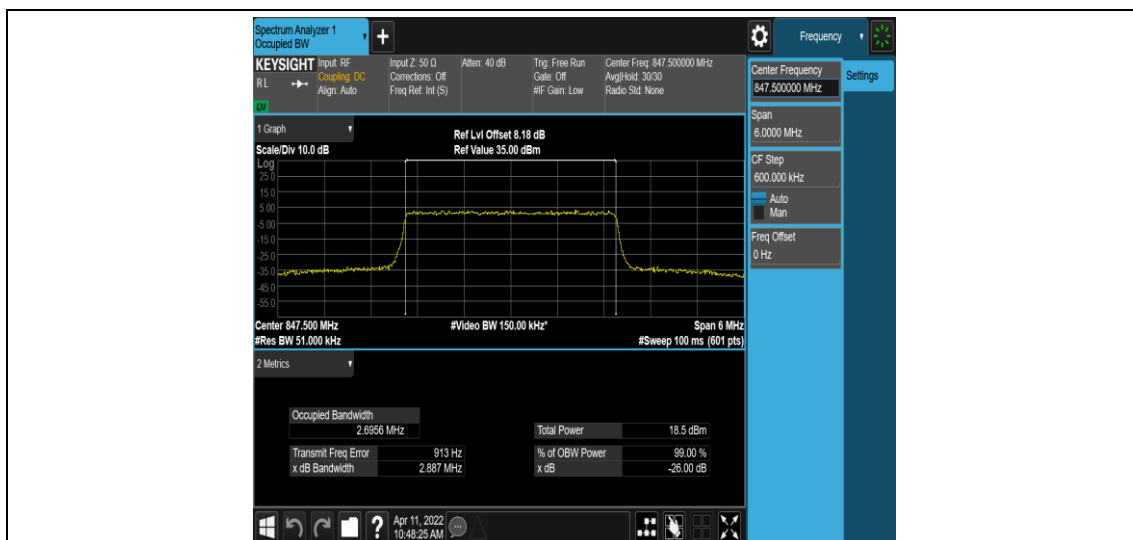
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.0922                   | 1.240                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0886                   | 1.248                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.0905                   | 1.250                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.0892                   | 1.269                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.0909                   | 1.277                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.0899                   | 1.264                | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.6940                   | 2.865                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.6874                   | 2.860                | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.6956                   | 2.887                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.6865                   | 2.881                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6922                   | 2.864                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.6927                   | 2.876                | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.5018                   | 4.876                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.4952                   | 4.852                | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.4948                   | 4.843                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.5074                   | 4.867                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.5033                   | 4.807                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.4964                   | 4.844                | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.9884                   | 9.556                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9798                   | 9.567                | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.9782                   | 9.526                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.9782                   | 9.535                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 8.9691                   | 9.522                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 8.9817                   | 9.518                | PASS    |

## Test Graphs

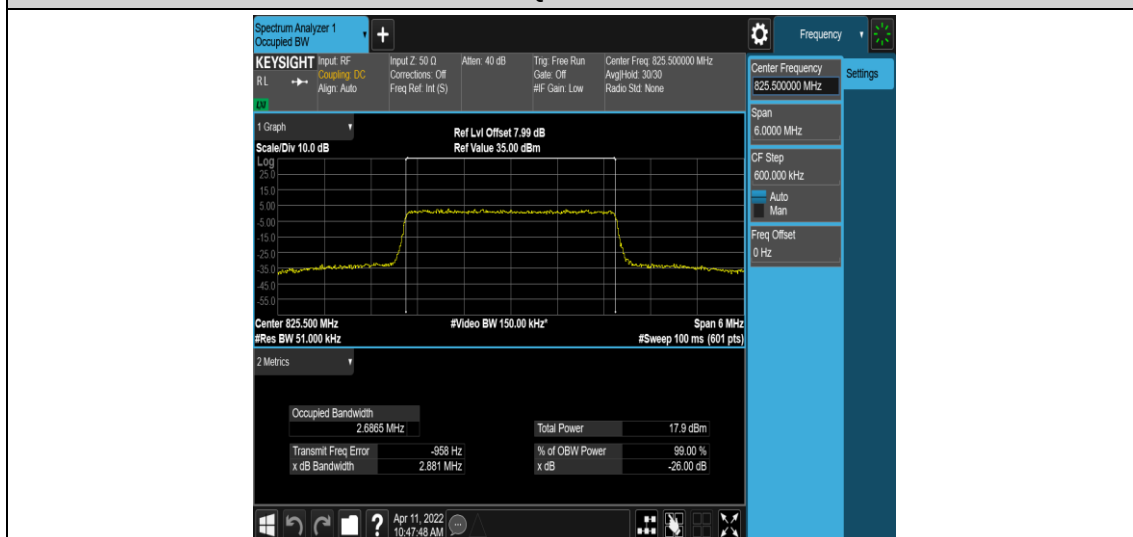




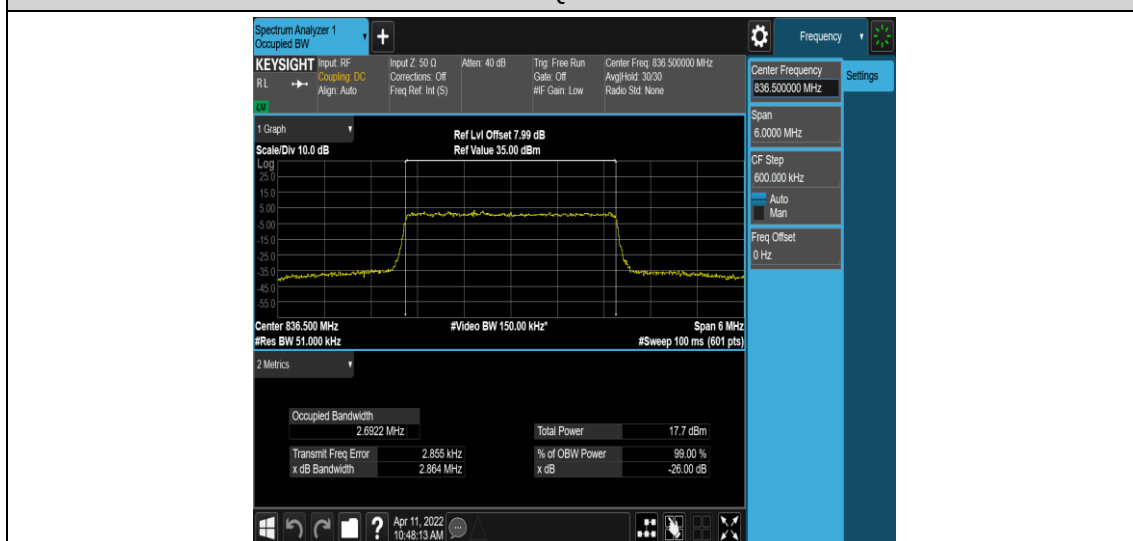




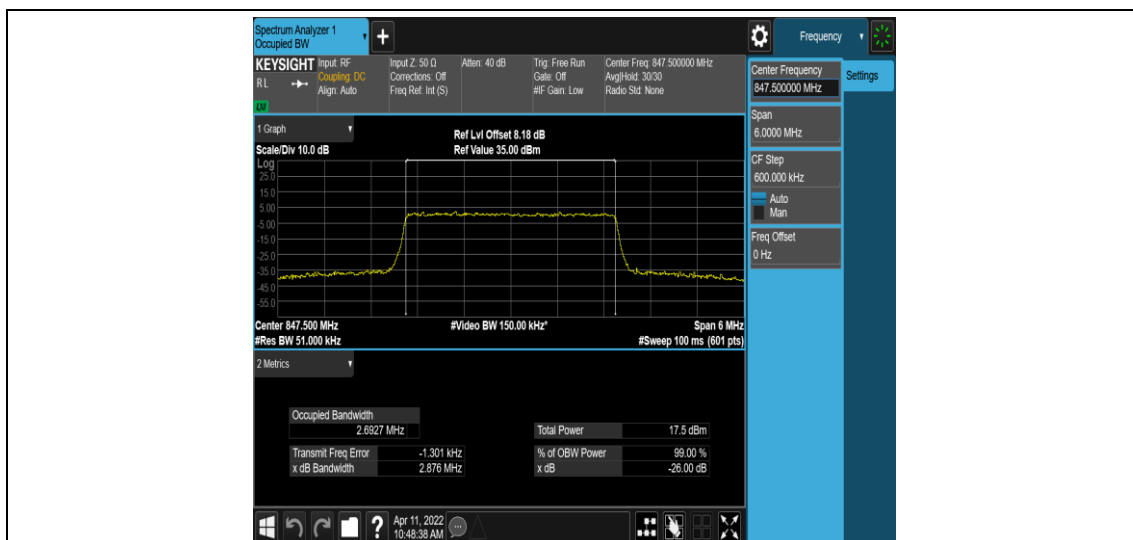
Band5-3MHz-QPSK-20635-15RB#0



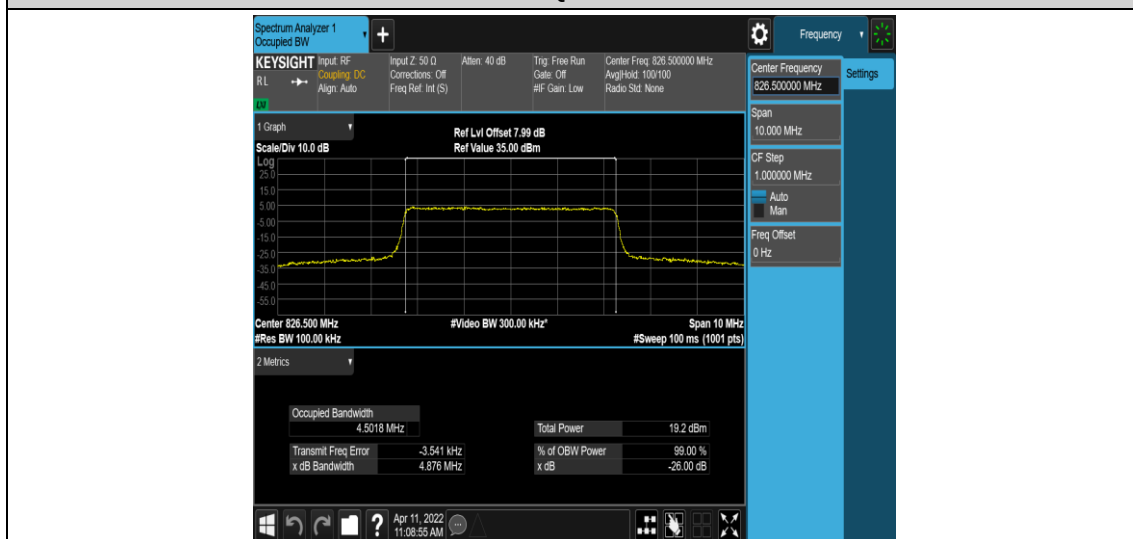
Band5-3MHz-16QAM-20415-15RB#0



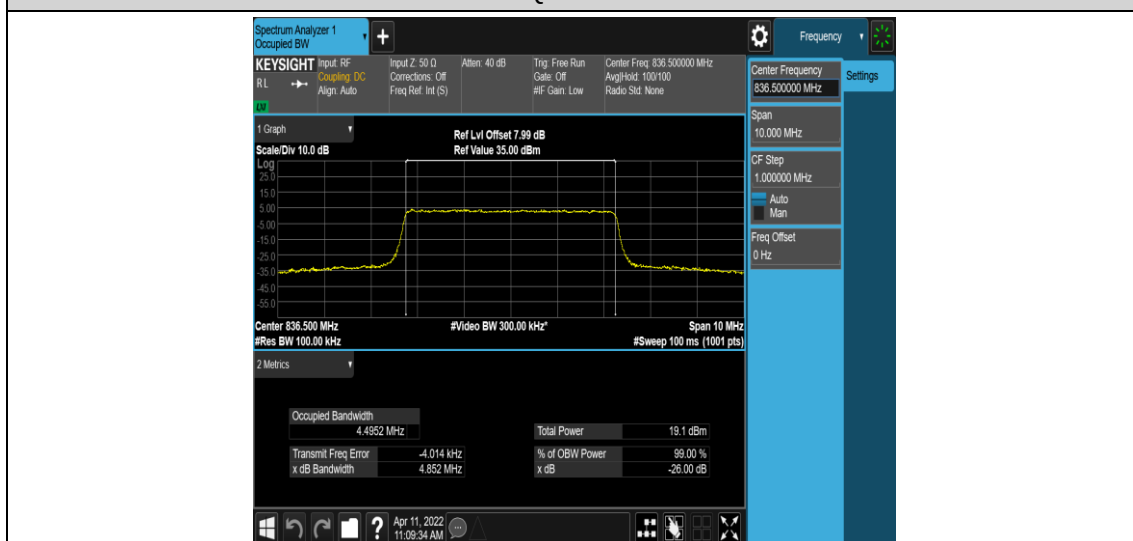
Band5-3MHz-16QAM-20525-15RB#0



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



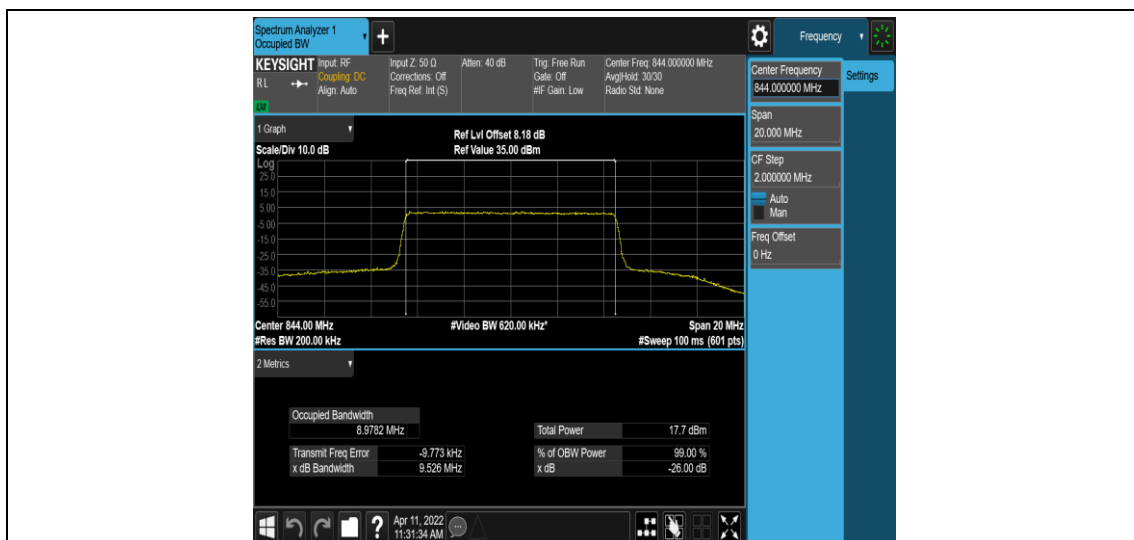
Band5-5MHz-QPSK-20425-25RB#0



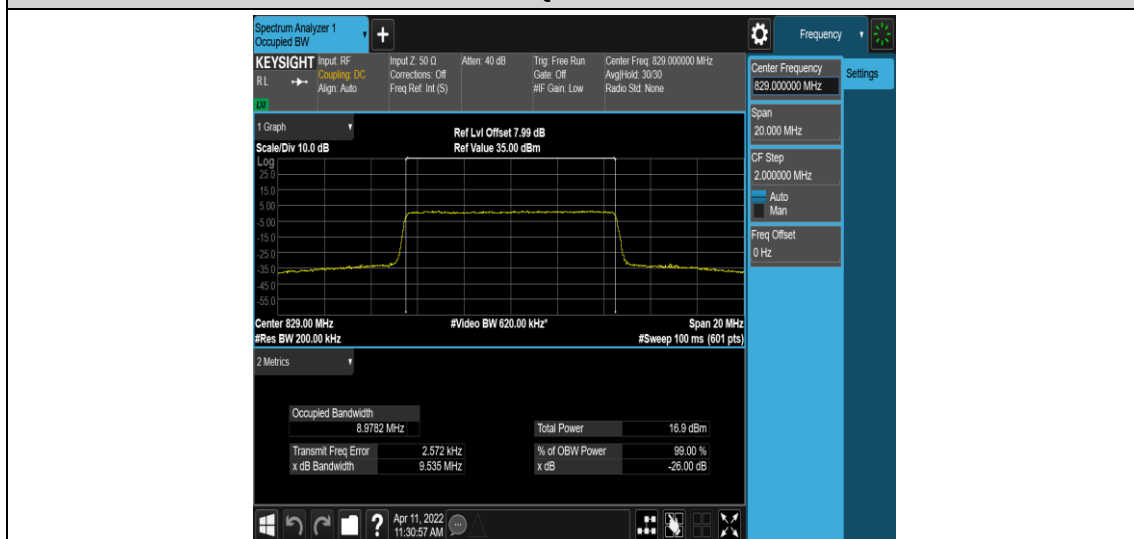
Band5-5MHz-QPSK-20525-25RB#0



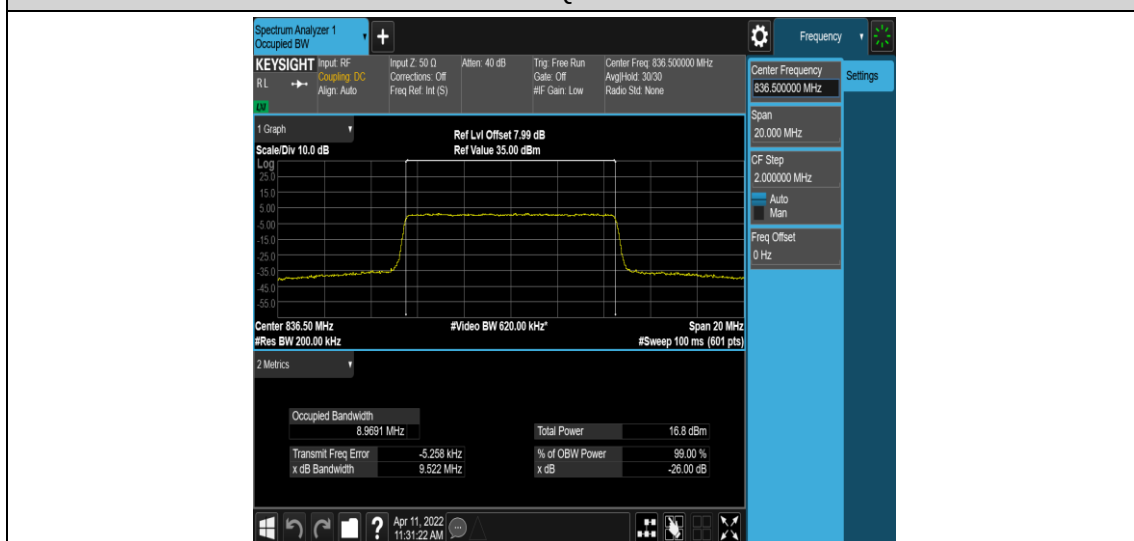




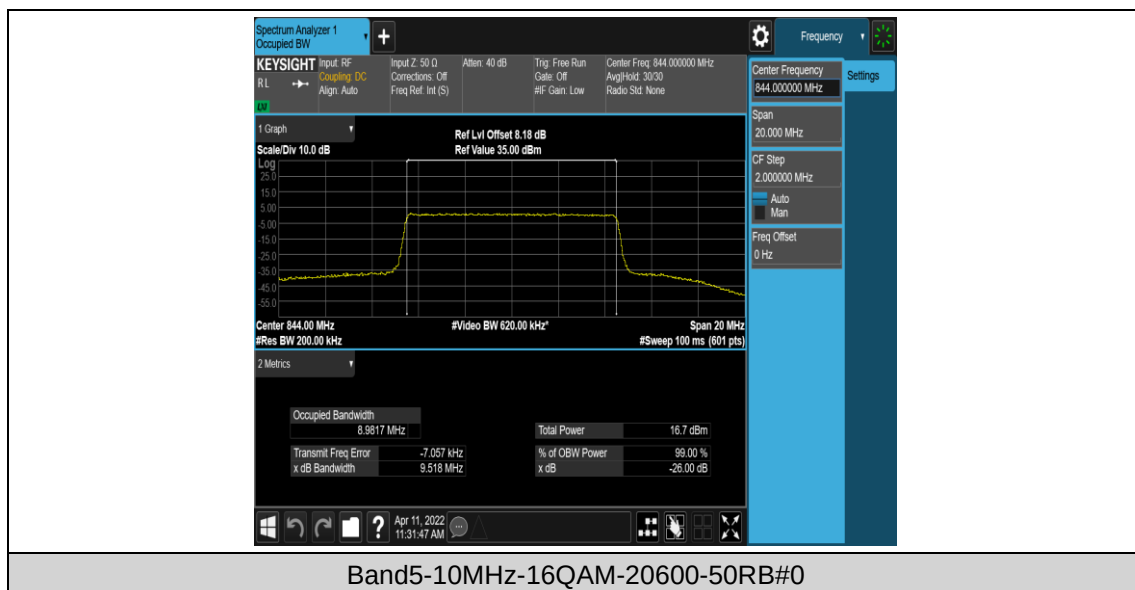
Band5-10MHz-QPSK-20600-50RB#0



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



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



## Appendix D: Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | -20.75      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5            | -48.22      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | -24.25      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | -38.85      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5            | -22.05      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | -27.58      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | -22.47      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5            | -49.28      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | -28.02      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | -50.60      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#5            | -20.00      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | -28.36      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | -18.37      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#14           | -43.89      | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | -27.93      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | -50.88      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#14           | -19.12      | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | -29.69      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0            | -18.61      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#14           | -42.03      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | -30.73      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#0            | -50.75      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#14           | -18.12      | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | -32.09      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | -16.72      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#24           | -47.76      | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | -25.79      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | -48.70      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#24           | -16.20      | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | -29.13      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0            | -15.76      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#24           | -43.18      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | -27.50      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 1RB#0            | -48.88      | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 1RB#24           | -16.30      | PASS    |