

## Appendix C: Test Data for E-UTRA Band 4

Product Name: Dagger QG and Dagger QG Slim

Test Model: 4-8470-10

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5°C    |
| Relative Humidity: | 52.2%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ling Zhu  |
| Supervised by:     | Li Huan   |

## Appendix A: Effective (Isotropic) Radiated Power Output Data for M1

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Size | RB Start | NBIndex | Result(dBm) | Verdict |
|-------|-----------|------------|---------|---------|----------|---------|-------------|---------|
| Band4 | 1.4MHz    | 19957      | QPSK    | 1       | 0        | Low     | 3.21        | PASS    |
| Band4 | 1.4MHz    | 19957      | QPSK    | 1       | 5        | Low     | 3.14        | PASS    |
| Band4 | 1.4MHz    | 19957      | QPSK    | 6       | 0        | Low     | 1.29        | PASS    |
| Band4 | 1.4MHz    | 20175      | QPSK    | 1       | 0        | Low     | 20.64       | PASS    |
| Band4 | 1.4MHz    | 20175      | QPSK    | 1       | 5        | Low     | 20.58       | PASS    |
| Band4 | 1.4MHz    | 20175      | QPSK    | 6       | 0        | Low     | 18.42       | PASS    |
| Band4 | 1.4MHz    | 20393      | QPSK    | 1       | 0        | High    | 20.50       | PASS    |
| Band4 | 1.4MHz    | 20393      | QPSK    | 1       | 5        | High    | 20.58       | PASS    |
| Band4 | 1.4MHz    | 20393      | QPSK    | 6       | 0        | High    | 18.27       | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 1       | 0        | Low     | 2.16        | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 1       | 5        | Low     | 2.28        | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 6       | 0        | Low     | 1.12        | PASS    |
| Band4 | 1.4MHz    | 20175      | 16QAM   | 1       | 0        | Low     | 19.64       | PASS    |
| Band4 | 1.4MHz    | 20175      | 16QAM   | 1       | 5        | Low     | 19.53       | PASS    |
| Band4 | 1.4MHz    | 20175      | 16QAM   | 6       | 0        | Low     | 18.42       | PASS    |
| Band4 | 1.4MHz    | 20393      | 16QAM   | 1       | 0        | High    | 19.58       | PASS    |
| Band4 | 1.4MHz    | 20393      | 16QAM   | 1       | 5        | High    | 19.51       | PASS    |
| Band4 | 1.4MHz    | 20393      | 16QAM   | 6       | 0        | High    | 18.47       | PASS    |
| Band4 | 3MHz      | 19965      | QPSK    | 1       | 0        | Low     | 20.42       | PASS    |
| Band4 | 3MHz      | 19965      | QPSK    | 1       | 5        | Low     | 20.39       | PASS    |
| Band4 | 3MHz      | 19965      | QPSK    | 6       | 0        | Low     | 18.26       | PASS    |
| Band4 | 3MHz      | 20175      | QPSK    | 1       | 0        | Low     | 20.57       | PASS    |
| Band4 | 3MHz      | 20175      | QPSK    | 1       | 5        | Low     | 20.55       | PASS    |
| Band4 | 3MHz      | 20175      | QPSK    | 6       | 0        | Low     | 18.49       | PASS    |
| Band4 | 3MHz      | 20385      | QPSK    | 1       | 0        | High    | 20.50       | PASS    |
| Band4 | 3MHz      | 20385      | QPSK    | 1       | 5        | High    | 20.52       | PASS    |
| Band4 | 3MHz      | 20385      | QPSK    | 6       | 0        | High    | 18.27       | PASS    |
| Band4 | 3MHz      | 19965      | 16QAM   | 1       | 0        | Low     | 19.37       | PASS    |
| Band4 | 3MHz      | 19965      | 16QAM   | 1       | 5        | Low     | 19.32       | PASS    |
| Band4 | 3MHz      | 19965      | 16QAM   | 6       | 0        | Low     | 18.39       | PASS    |
| Band4 | 3MHz      | 20175      | 16QAM   | 1       | 0        | Low     | 19.56       | PASS    |
| Band4 | 3MHz      | 20175      | 16QAM   | 1       | 5        | Low     | 19.48       | PASS    |
| Band4 | 3MHz      | 20175      | 16QAM   | 6       | 0        | Low     | 18.49       | PASS    |

|       |       |       |       |   |   |      |       |      |
|-------|-------|-------|-------|---|---|------|-------|------|
| Band4 | 3MHz  | 20385 | 16QAM | 1 | 0 | High | 19.54 | PASS |
| Band4 | 3MHz  | 20385 | 16QAM | 1 | 5 | High | 19.35 | PASS |
| Band4 | 3MHz  | 20385 | 16QAM | 6 | 0 | High | 18.45 | PASS |
| Band4 | 5MHz  | 19975 | QPSK  | 1 | 0 | Low  | 20.44 | PASS |
| Band4 | 5MHz  | 19975 | QPSK  | 1 | 5 | Low  | 20.41 | PASS |
| Band4 | 5MHz  | 19975 | QPSK  | 6 | 0 | Low  | 19.25 | PASS |
| Band4 | 5MHz  | 20175 | QPSK  | 1 | 0 | Low  | 20.41 | PASS |
| Band4 | 5MHz  | 20175 | QPSK  | 1 | 5 | Low  | 20.58 | PASS |
| Band4 | 5MHz  | 20175 | QPSK  | 6 | 0 | Low  | 19.40 | PASS |
| Band4 | 5MHz  | 20375 | QPSK  | 1 | 0 | High | 20.65 | PASS |
| Band4 | 5MHz  | 20375 | QPSK  | 1 | 5 | High | 20.57 | PASS |
| Band4 | 5MHz  | 20375 | QPSK  | 6 | 0 | High | 19.17 | PASS |
| Band4 | 5MHz  | 19975 | 16QAM | 1 | 0 | Low  | 20.54 | PASS |
| Band4 | 5MHz  | 19975 | 16QAM | 1 | 5 | Low  | 20.43 | PASS |
| Band4 | 5MHz  | 19975 | 16QAM | 6 | 0 | Low  | 19.25 | PASS |
| Band4 | 5MHz  | 20175 | 16QAM | 1 | 0 | Low  | 20.65 | PASS |
| Band4 | 5MHz  | 20175 | 16QAM | 1 | 5 | Low  | 20.60 | PASS |
| Band4 | 5MHz  | 20175 | 16QAM | 6 | 0 | Low  | 19.46 | PASS |
| Band4 | 5MHz  | 20375 | 16QAM | 1 | 0 | High | 20.71 | PASS |
| Band4 | 5MHz  | 20375 | 16QAM | 1 | 5 | High | 20.57 | PASS |
| Band4 | 5MHz  | 20375 | 16QAM | 6 | 0 | High | 19.31 | PASS |
| Band4 | 10MHz | 20000 | QPSK  | 1 | 0 | Low  | 20.46 | PASS |
| Band4 | 10MHz | 20000 | QPSK  | 1 | 5 | Low  | 20.41 | PASS |
| Band4 | 10MHz | 20000 | QPSK  | 6 | 0 | Low  | 19.23 | PASS |
| Band4 | 10MHz | 20175 | QPSK  | 1 | 0 | Low  | 20.61 | PASS |
| Band4 | 10MHz | 20175 | QPSK  | 1 | 5 | Low  | 20.50 | PASS |
| Band4 | 10MHz | 20175 | QPSK  | 6 | 0 | Low  | 19.36 | PASS |
| Band4 | 10MHz | 20350 | QPSK  | 1 | 0 | High | 20.61 | PASS |
| Band4 | 10MHz | 20350 | QPSK  | 1 | 5 | High | 20.60 | PASS |
| Band4 | 10MHz | 20350 | QPSK  | 6 | 0 | High | 19.25 | PASS |
| Band4 | 10MHz | 20000 | 16QAM | 1 | 0 | Low  | 20.54 | PASS |
| Band4 | 10MHz | 20000 | 16QAM | 1 | 5 | Low  | 20.50 | PASS |
| Band4 | 10MHz | 20000 | 16QAM | 6 | 0 | Low  | 19.24 | PASS |
| Band4 | 10MHz | 20175 | 16QAM | 1 | 0 | Low  | 20.65 | PASS |
| Band4 | 10MHz | 20175 | 16QAM | 1 | 5 | Low  | 20.54 | PASS |
| Band4 | 10MHz | 20175 | 16QAM | 6 | 0 | Low  | 19.45 | PASS |
| Band4 | 10MHz | 20350 | 16QAM | 1 | 0 | High | 20.77 | PASS |
| Band4 | 10MHz | 20350 | 16QAM | 1 | 5 | High | 20.57 | PASS |
| Band4 | 10MHz | 20350 | 16QAM | 6 | 0 | High | 19.35 | PASS |
| Band4 | 15MHz | 20025 | QPSK  | 1 | 0 | Low  | 20.37 | PASS |
| Band4 | 15MHz | 20025 | QPSK  | 1 | 5 | Low  | 20.36 | PASS |
| Band4 | 15MHz | 20025 | QPSK  | 6 | 0 | Low  | 20.26 | PASS |
| Band4 | 15MHz | 20175 | QPSK  | 1 | 0 | Low  | 20.56 | PASS |

|       |       |       |       |   |   |      |       |      |
|-------|-------|-------|-------|---|---|------|-------|------|
| Band4 | 15MHz | 20175 | QPSK  | 1 | 5 | Low  | 20.50 | PASS |
| Band4 | 15MHz | 20175 | QPSK  | 6 | 0 | Low  | 20.41 | PASS |
| Band4 | 15MHz | 20325 | QPSK  | 1 | 0 | High | 20.55 | PASS |
| Band4 | 15MHz | 20325 | QPSK  | 1 | 5 | High | 20.50 | PASS |
| Band4 | 15MHz | 20325 | QPSK  | 6 | 0 | High | 20.25 | PASS |
| Band4 | 15MHz | 20025 | 16QAM | 1 | 0 | Low  | 20.50 | PASS |
| Band4 | 15MHz | 20025 | 16QAM | 1 | 5 | Low  | 20.45 | PASS |
| Band4 | 15MHz | 20025 | 16QAM | 6 | 0 | Low  | 20.27 | PASS |
| Band4 | 15MHz | 20175 | 16QAM | 1 | 0 | Low  | 20.66 | PASS |
| Band4 | 15MHz | 20175 | 16QAM | 1 | 5 | Low  | 20.60 | PASS |
| Band4 | 15MHz | 20175 | 16QAM | 6 | 0 | Low  | 20.48 | PASS |
| Band4 | 15MHz | 20325 | 16QAM | 1 | 0 | High | 20.73 | PASS |
| Band4 | 15MHz | 20325 | 16QAM | 1 | 5 | High | 20.56 | PASS |
| Band4 | 15MHz | 20325 | 16QAM | 6 | 0 | High | 20.41 | PASS |
| Band4 | 20MHz | 20050 | QPSK  | 1 | 0 | Low  | 20.82 | PASS |
| Band4 | 20MHz | 20050 | QPSK  | 1 | 5 | Low  | 20.76 | PASS |
| Band4 | 20MHz | 20050 | QPSK  | 6 | 0 | Low  | 20.69 | PASS |
| Band4 | 20MHz | 20175 | QPSK  | 1 | 0 | Low  | 21.22 | PASS |
| Band4 | 20MHz | 20175 | QPSK  | 1 | 5 | Low  | 21.08 | PASS |
| Band4 | 20MHz | 20175 | QPSK  | 6 | 0 | Low  | 20.81 | PASS |
| Band4 | 20MHz | 20300 | QPSK  | 1 | 0 | High | 20.49 | PASS |
| Band4 | 20MHz | 20300 | QPSK  | 1 | 5 | High | 20.79 | PASS |
| Band4 | 20MHz | 20300 | QPSK  | 6 | 0 | High | 23.68 | PASS |
| Band4 | 20MHz | 20050 | 16QAM | 1 | 0 | Low  | 21.05 | PASS |
| Band4 | 20MHz | 20050 | 16QAM | 1 | 5 | Low  | 21.06 | PASS |
| Band4 | 20MHz | 20050 | 16QAM | 6 | 0 | Low  | 20.68 | PASS |
| Band4 | 20MHz | 20175 | 16QAM | 1 | 0 | Low  | 21.34 | PASS |
| Band4 | 20MHz | 20175 | 16QAM | 1 | 5 | Low  | 21.18 | PASS |
| Band4 | 20MHz | 20175 | 16QAM | 6 | 0 | Low  | 20.80 | PASS |
| Band4 | 20MHz | 20300 | 16QAM | 1 | 0 | High | 21.25 | PASS |
| Band4 | 20MHz | 20300 | 16QAM | 1 | 5 | High | 22.66 | PASS |
| Band4 | 20MHz | 20300 | 16QAM | 6 | 0 | High | 23.66 | PASS |

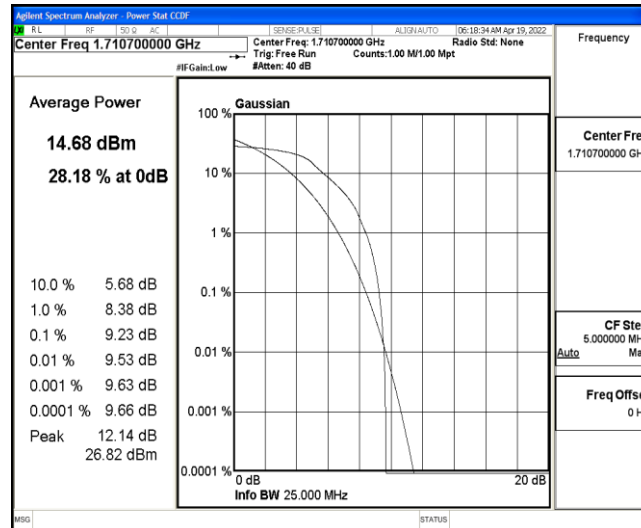
## Appendix B: Peak-to-Average Ratio(CCDF) for M1

### Test Result

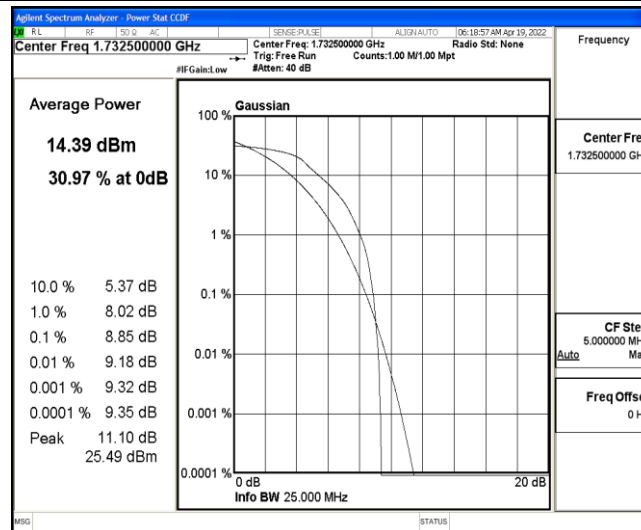
| Band  | Bandwidth | Modulation | Channel | RB Size | RB Start | NBIndex | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|---------|----------|---------|------------|-----------|---------|
| Band4 | 1.4MHz    | 19957      | QPSK    | 1       | 0        | Low     | 7.38       | <=13      | PASS    |
| Band4 | 1.4MHz    | 19957      | QPSK    | 6       | 0        | Low     | 9.23       | <=13      | PASS    |
| Band4 | 1.4MHz    | 20175      | QPSK    | 6       | 0        | Low     | 8.85       | <=13      | PASS    |
| Band4 | 1.4MHz    | 20393      | QPSK    | 6       | 0        | Low     | 10.37      | <=13      | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 1       | 0        | Low     | 10.17      | <=13      | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 6       | 0        | Low     | 9.40       | <=13      | PASS    |
| Band4 | 1.4MHz    | 20175      | 16QAM   | 6       | 0        | Low     | 10.48      | <=13      | PASS    |
| Band4 | 1.4MHz    | 20393      | 16QAM   | 6       | 0        | Low     | 9.62       | <=13      | PASS    |
| Band4 | 3MHz      | 19965      | QPSK    | 6       | 0        | Low     | 8.64       | <=13      | PASS    |
| Band4 | 3MHz      | 20175      | QPSK    | 6       | 0        | Low     | 9.55       | <=13      | PASS    |
| Band4 | 3MHz      | 20385      | QPSK    | 6       | 0        | Low     | 9.61       | <=13      | PASS    |
| Band4 | 3MHz      | 19965      | 16QAM   | 6       | 0        | Low     | 8.99       | <=13      | PASS    |
| Band4 | 3MHz      | 20175      | 16QAM   | 6       | 0        | Low     | 9.22       | <=13      | PASS    |
| Band4 | 3MHz      | 20385      | 16QAM   | 6       | 0        | Low     | 9.81       | <=13      | PASS    |
| Band4 | 5MHz      | 19975      | QPSK    | 6       | 0        | Low     | 9.01       | <=13      | PASS    |
| Band4 | 5MHz      | 20175      | QPSK    | 6       | 0        | Low     | 9.92       | <=13      | PASS    |
| Band4 | 5MHz      | 20375      | QPSK    | 6       | 0        | Low     | 9.20       | <=13      | PASS    |
| Band4 | 5MHz      | 19975      | 16QAM   | 6       | 0        | Low     | 9.73       | <=13      | PASS    |
| Band4 | 5MHz      | 20175      | 16QAM   | 6       | 0        | Low     | 9.61       | <=13      | PASS    |
| Band4 | 5MHz      | 20375      | 16QAM   | 6       | 0        | Low     | 9.65       | <=13      | PASS    |
| Band4 | 10MHz     | 20000      | QPSK    | 6       | 0        | Low     | 7.66       | <=13      | PASS    |
| Band4 | 10MHz     | 20175      | QPSK    | 6       | 0        | Low     | 9.50       | <=13      | PASS    |
| Band4 | 10MHz     | 20350      | QPSK    | 6       | 0        | Low     | 10.63      | <=13      | PASS    |
| Band4 | 10MHz     | 20000      | 16QAM   | 6       | 0        | Low     | 8.99       | <=13      | PASS    |
| Band4 | 10MHz     | 20175      | 16QAM   | 6       | 0        | Low     | 9.71       | <=13      | PASS    |
| Band4 | 10MHz     | 20350      | 16QAM   | 6       | 0        | Low     | 10.27      | <=13      | PASS    |
| Band4 | 15MHz     | 20025      | QPSK    | 6       | 0        | Low     | 8.17       | <=13      | PASS    |
| Band4 | 15MHz     | 20175      | QPSK    | 6       | 0        | Low     | 11.69      | <=13      | PASS    |
| Band4 | 15MHz     | 20325      | QPSK    | 6       | 0        | Low     | 8.55       | <=13      | PASS    |
| Band4 | 15MHz     | 20025      | 16QAM   | 6       | 0        | Low     | 8.45       | <=13      | PASS    |
| Band4 | 15MHz     | 20175      | 16QAM   | 6       | 0        | Low     | 10.59      | <=13      | PASS    |
| Band4 | 15MHz     | 20325      | 16QAM   | 6       | 0        | Low     | 9.36       | <=13      | PASS    |
| Band4 | 20MHz     | 20050      | QPSK    | 6       | 0        | Low     | 10.11      | <=13      | PASS    |
| Band4 | 20MHz     | 20175      | QPSK    | 6       | 0        | Low     | 9.19       | <=13      | PASS    |

|       |       |       |       |   |   |     |       |      |      |
|-------|-------|-------|-------|---|---|-----|-------|------|------|
| Band4 | 20MHz | 20300 | QPSK  | 6 | 0 | Low | 10.53 | <=13 | PASS |
| Band4 | 20MHz | 20050 | 16QAM | 6 | 0 | Low | 9.40  | <=13 | PASS |
| Band4 | 20MHz | 20175 | 16QAM | 6 | 0 | Low | 9.60  | <=13 | PASS |
| Band4 | 20MHz | 20300 | 16QAM | 6 | 0 | Low | 10.01 | <=13 | PASS |

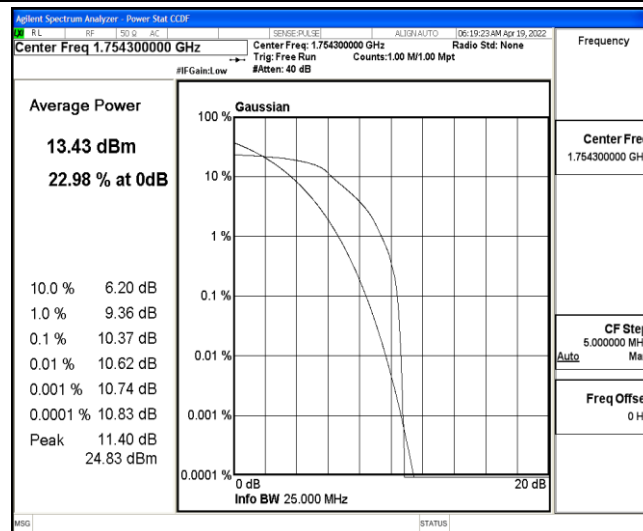
## Test Graphs



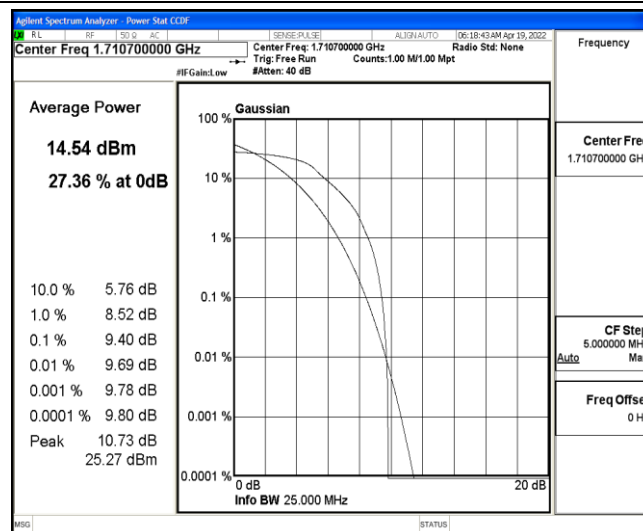
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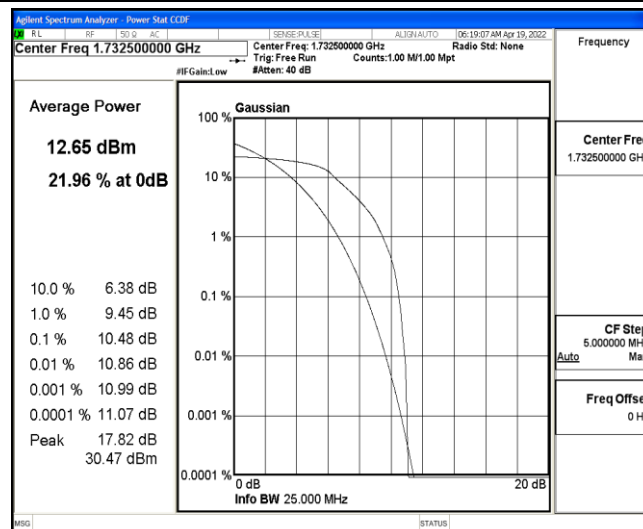
Band4-1.4MHz-QPSK-20175-6-0-Low-8.85-&lt;=13-PASS



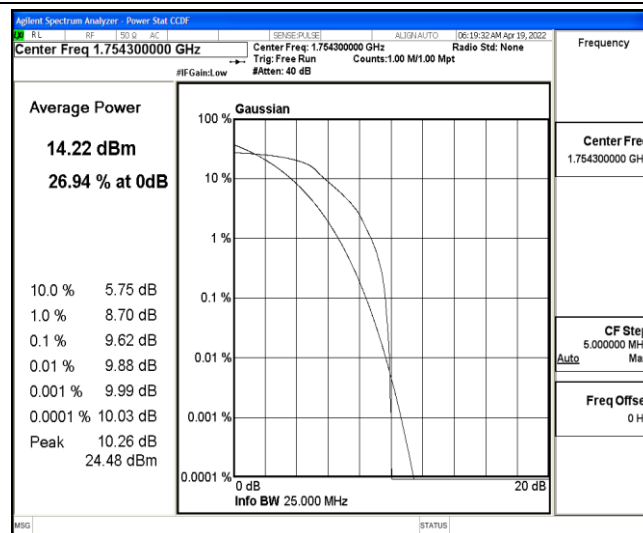
Band4-1.4MHz-QPSK-20393-6-0-Low-10.37-&lt;=13-PASS



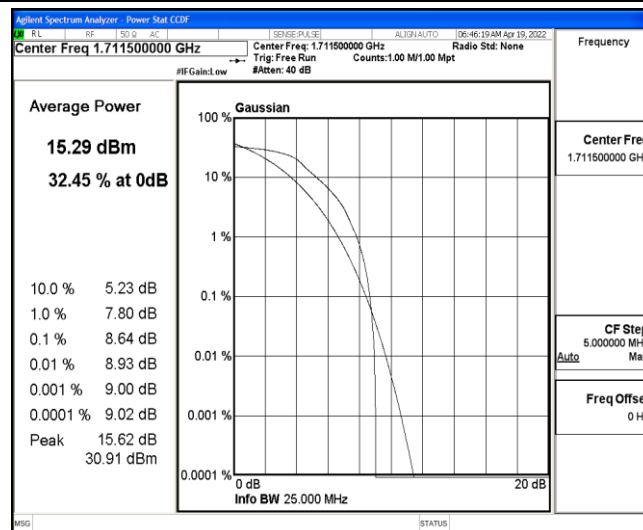
Band4-1.4MHz-16QAM-19957-6-0-Low-9.40-&lt;=13-PASS



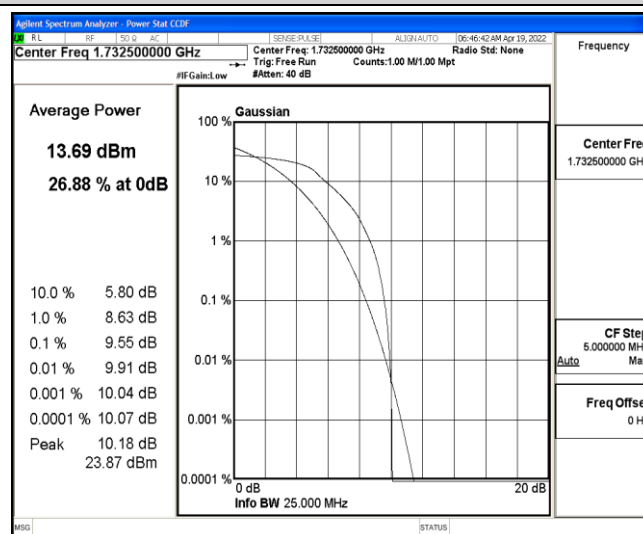
Band4-1.4MHz-16QAM-20175-6-0-Low-10.48-&lt;=13-PASS



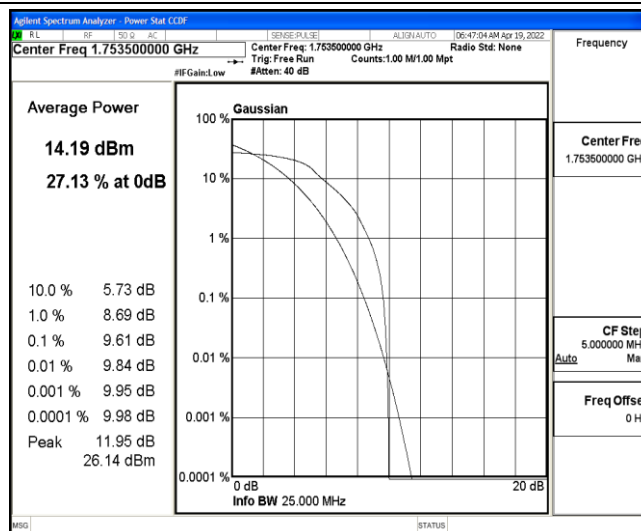
Band4-1.4MHz-16QAM-20393-6-0-Low-9.62-&lt;=13-PASS



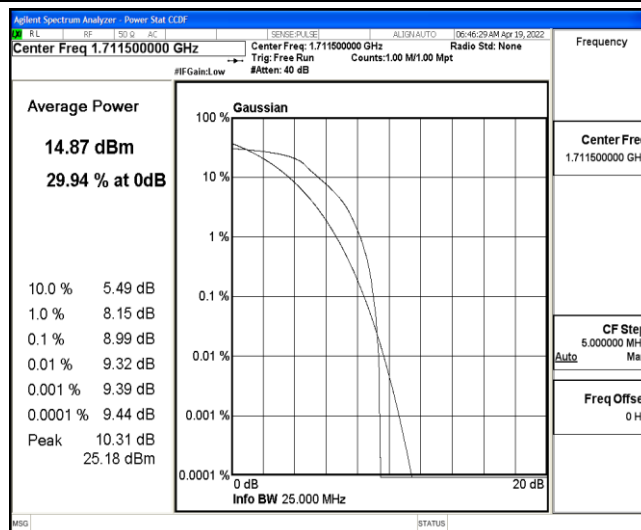
Band4-3MHz-QPSK-19965-6-0-Low-8.64-&lt;=13-PASS



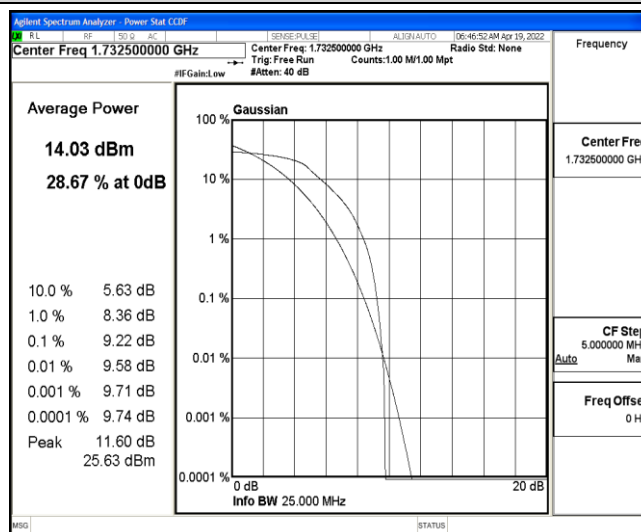
Band4-3MHz-QPSK-20175-6-0-Low-9.55-&lt;=13-PASS



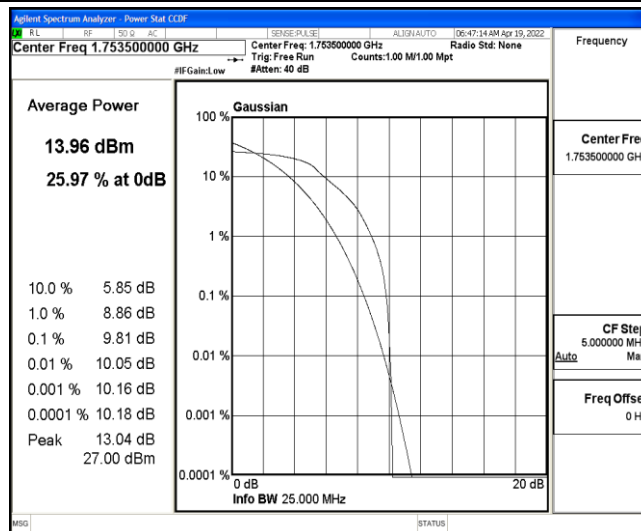
Band4-3MHz-QPSK-20385-6-0-Low-9.61-&lt;=13-PASS



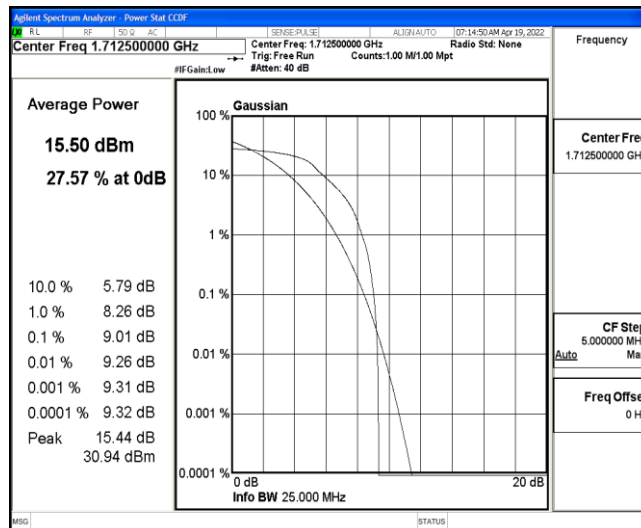
Band4-3MHz-16QAM-19965-6-0-Low-8.99-&lt;=13-PASS



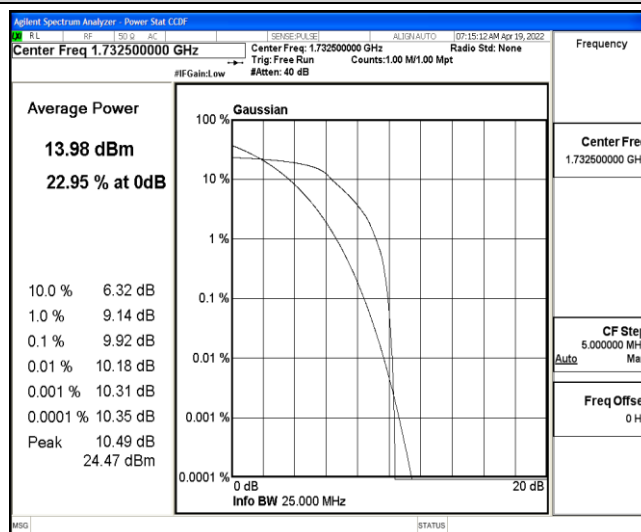
Band4-3MHz-16QAM-20175-6-0-Low-9.22-&lt;=13-PASS



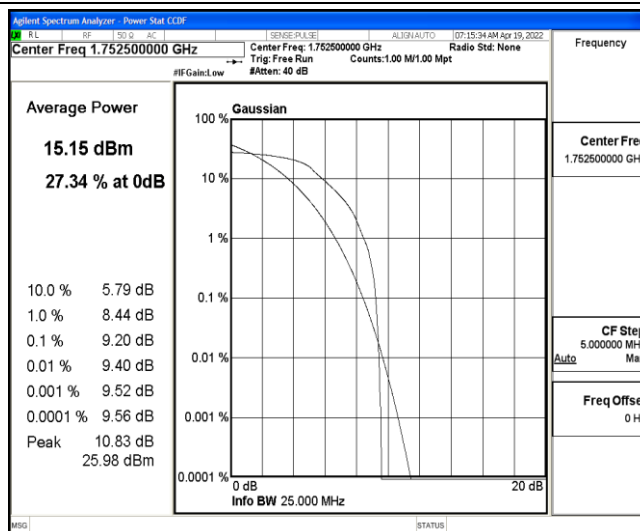
Band4-3MHz-16QAM-20385-6-0-Low-9.81-&lt;=13-PASS



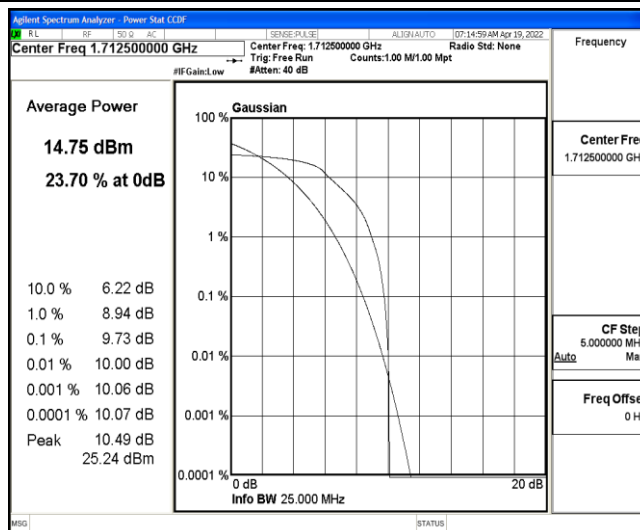
Band4-5MHz-QPSK-19975-6-0-Low-9.01-&lt;=13-PASS



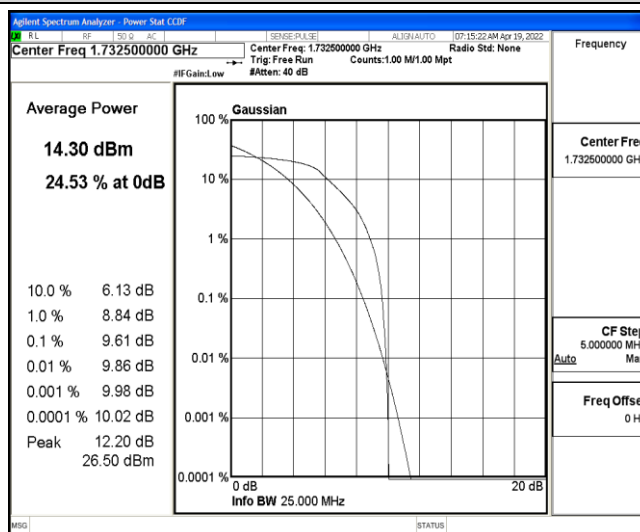
Band4-5MHz-QPSK-20175-6-0-Low-9.92-&lt;=13-PASS



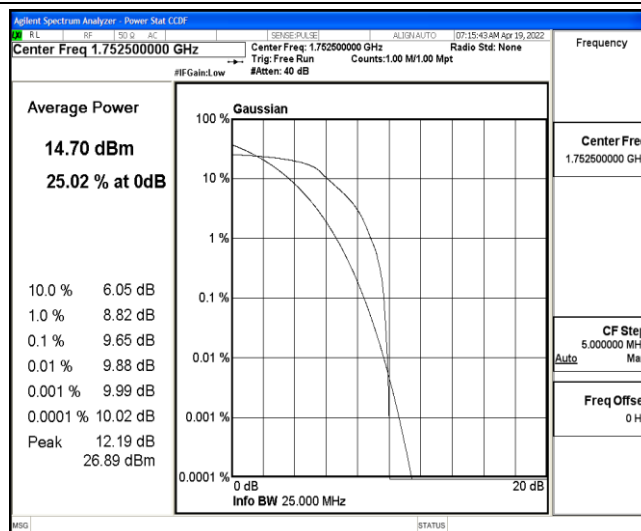
Band4-5MHz-QPSK-20375-6-0-Low-9.20-&lt;=13-PASS



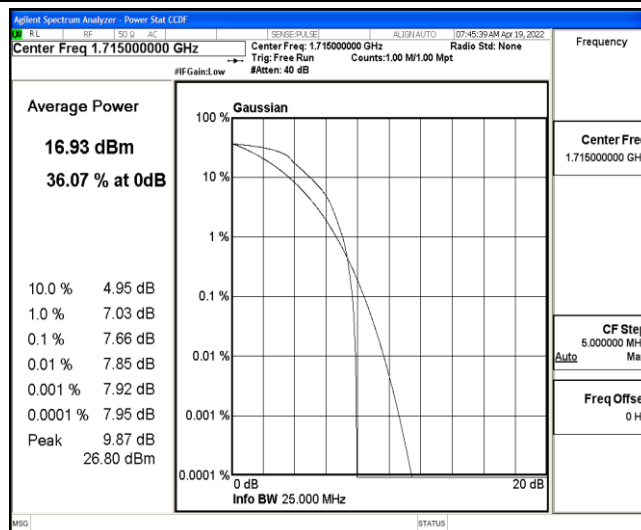
Band4-5MHz-16QAM-19975-6-0-Low-9.73-&lt;=13-PASS



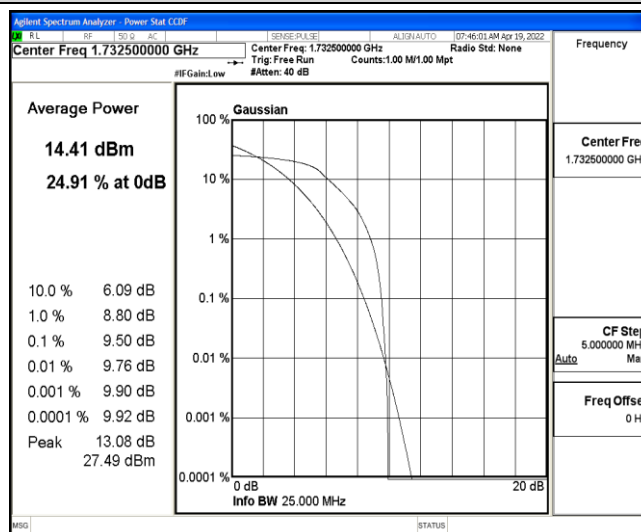
Band4-5MHz-16QAM-20175-6-0-Low-9.61-&lt;=13-PASS



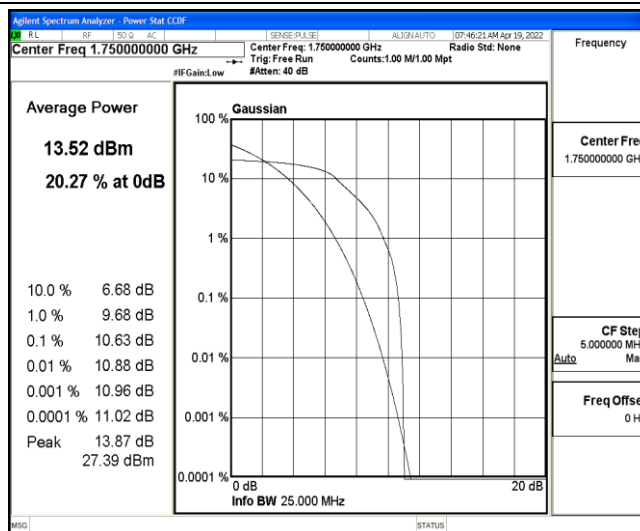
Band4-5MHz-16QAM-20375-6-0-Low-9.65-&lt;=13-PASS



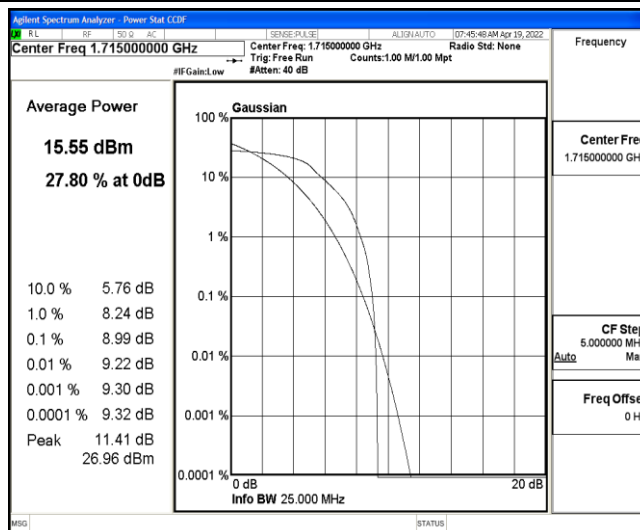
Band4-10MHz-QPSK-20000-6-0-Low-7.66-&lt;=13-PASS



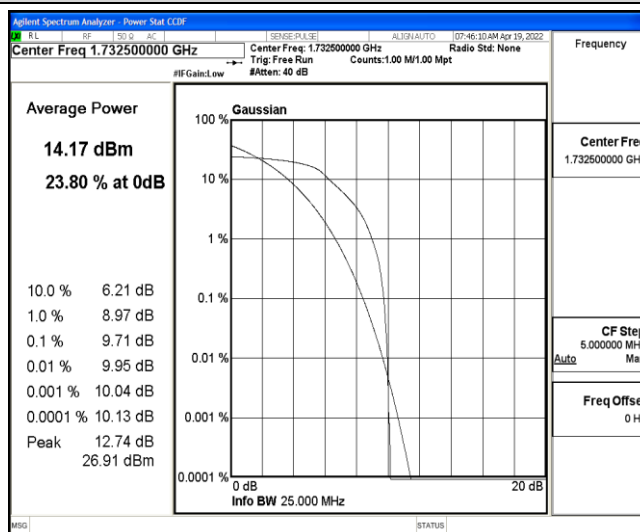
Band4-10MHz-QPSK-20175-6-0-Low-9.50-&lt;=13-PASS



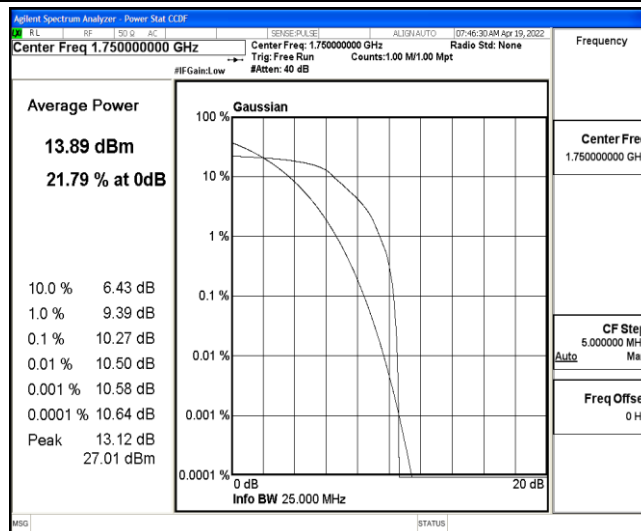
Band4-10MHz-QPSK-20350-6-0-Low-10.63-&lt;=13-PASS



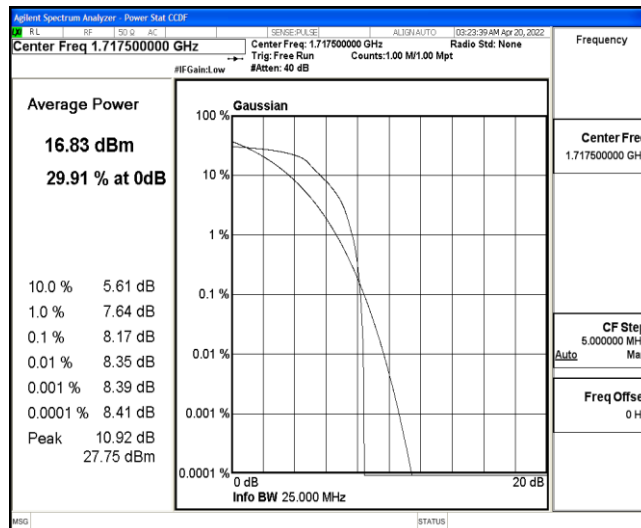
Band4-10MHz-16QAM-20000-6-0-Low-8.99-&lt;=13-PASS



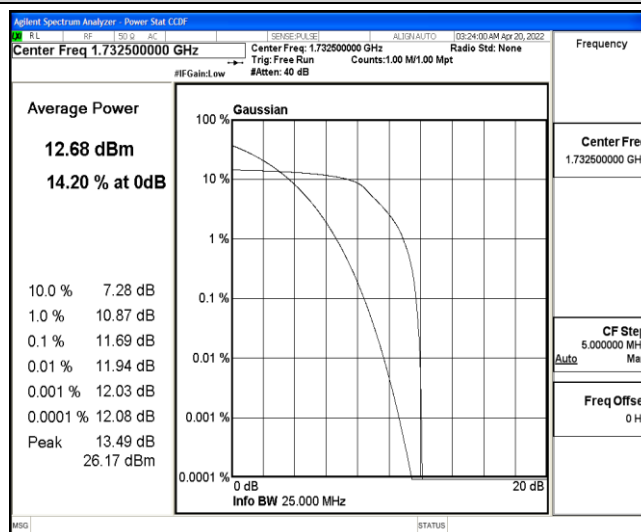
Band4-10MHz-16QAM-20175-6-0-Low-9.71-&lt;=13-PASS



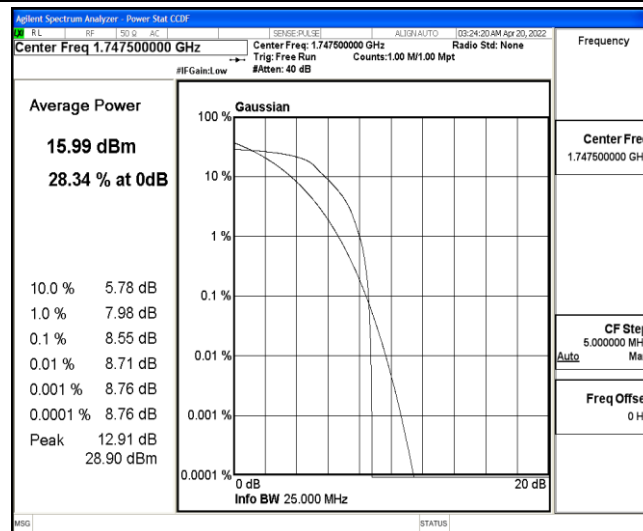
Band4-10MHz-16QAM-20350-6-0-Low-10.27-&lt;=13-PASS



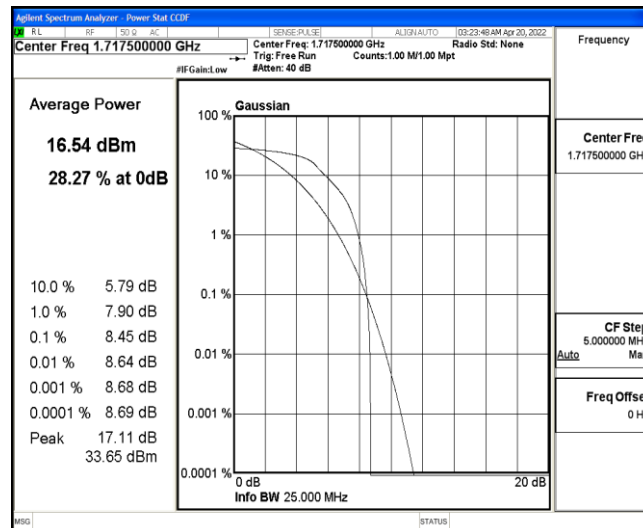
Band4-15MHz-QPSK-20025-6-0-Low-8.17-&lt;=13-PASS



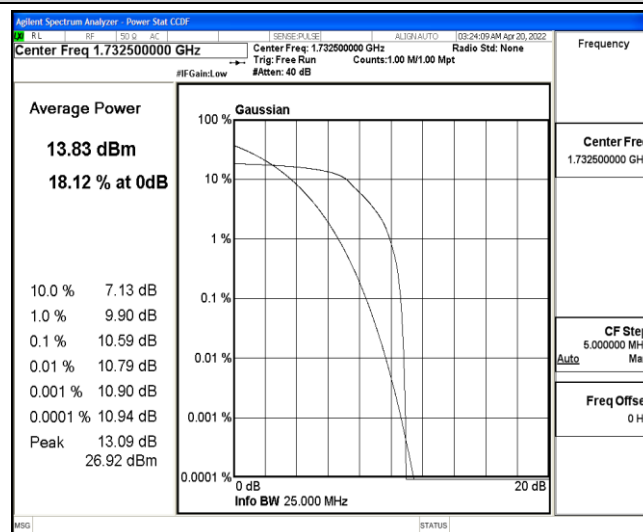
Band4-15MHz-QPSK-20175-6-0-Low-11.69-&lt;=13-PASS



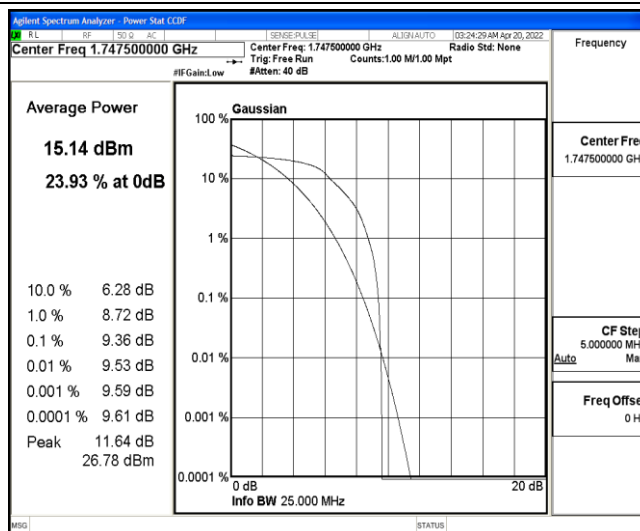
Band4-15MHz-QPSK-20325-6-0-Low-8.55-&lt;=13-PASS



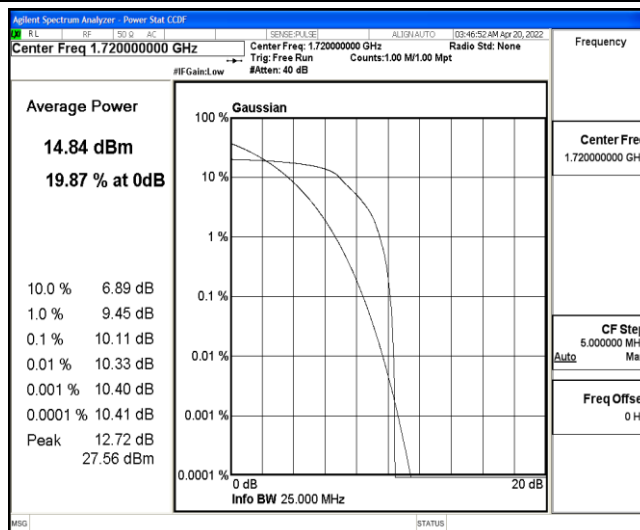
Band4-15MHz-16QAM-20025-6-0-Low-8.45-&lt;=13-PASS



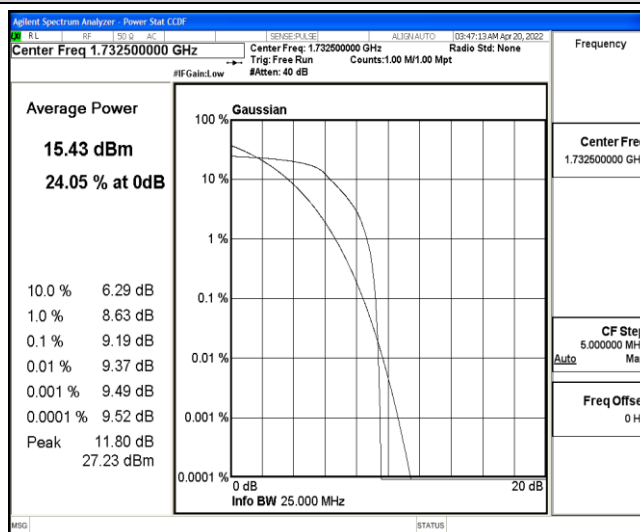
Band4-15MHz-16QAM-20175-6-0-Low-10.59-&lt;=13-PASS



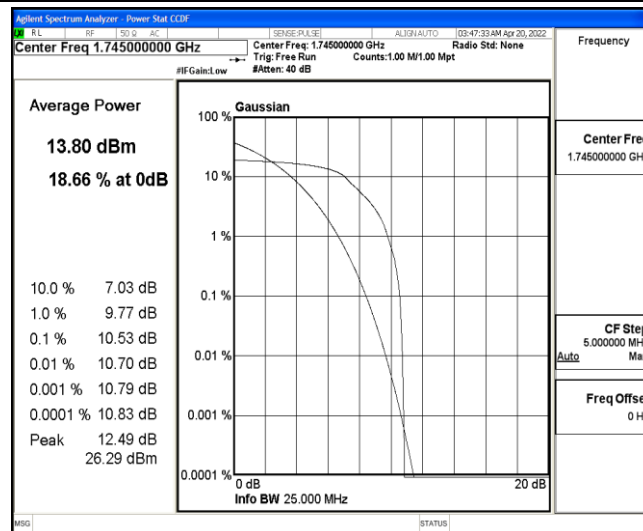
Band4-15MHz-16QAM-20325-6-0-Low-9.36-&lt;=13-PASS



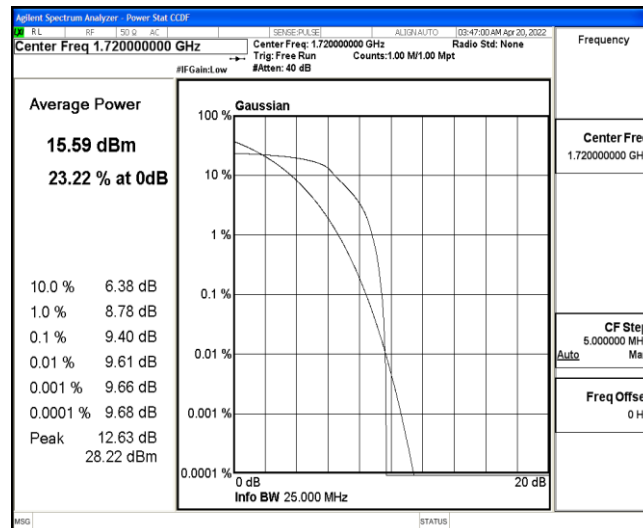
Band4-20MHz-QPSK-20050-6-0-Low-10.11-&lt;=13-PASS



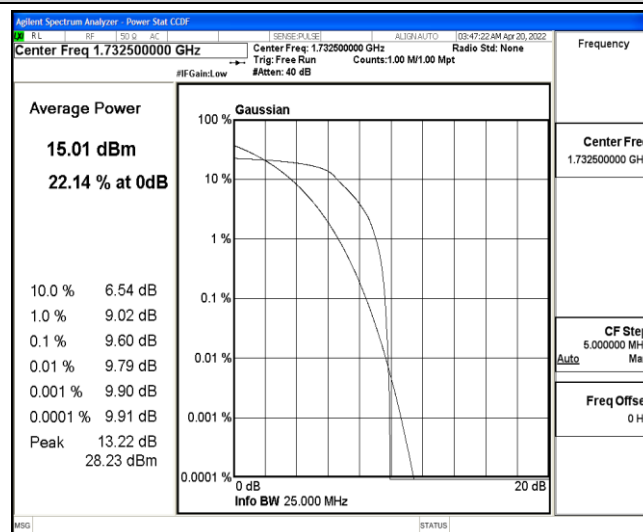
Band4-20MHz-QPSK-20175-6-0-Low-9.19-&lt;=13-PASS



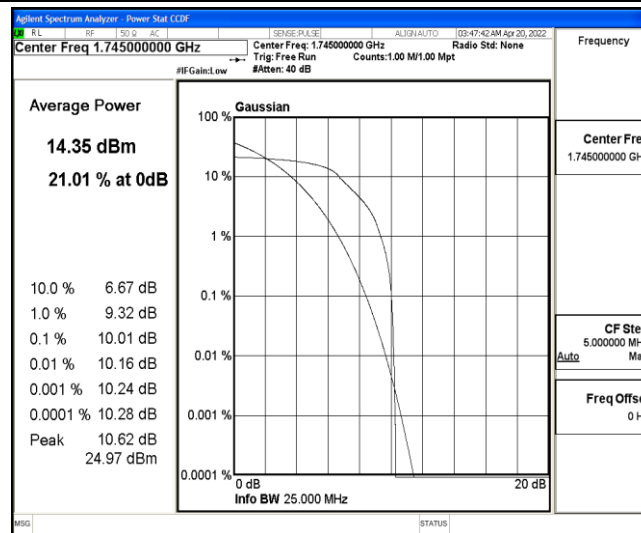
Band4-20MHz-QPSK-20300-6-0-Low-10.53-&lt;=13-PASS



Band4-20MHz-16QAM-20050-6-0-Low-9.40-&lt;=13-PASS



Band4-20MHz-16QAM-20175-6-0-Low-9.60-&lt;=13-PASS



Band4-20MHz-16QAM-20300-6-0-Low-10.01-<=13-PASS

## Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

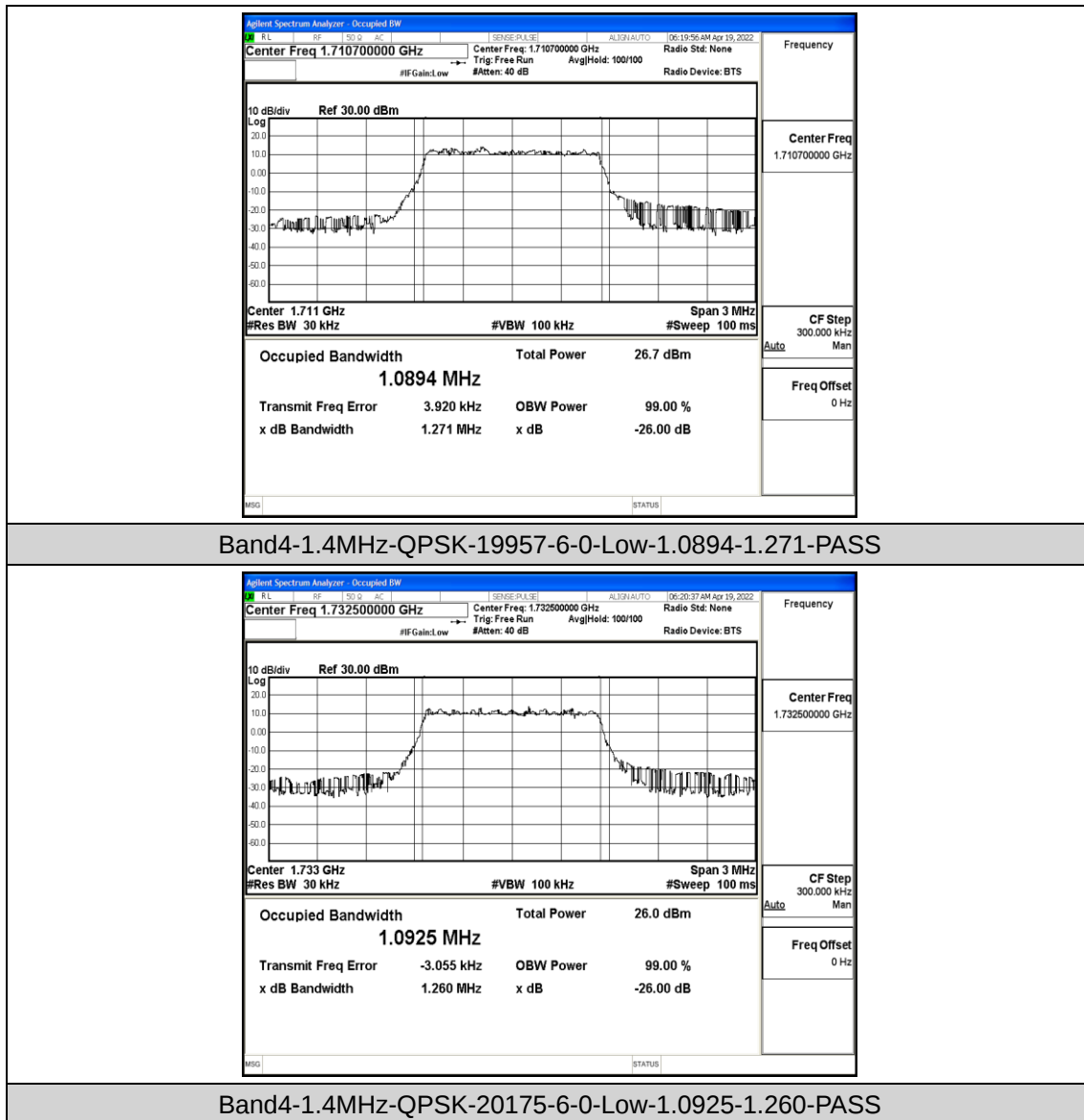
### Test Result

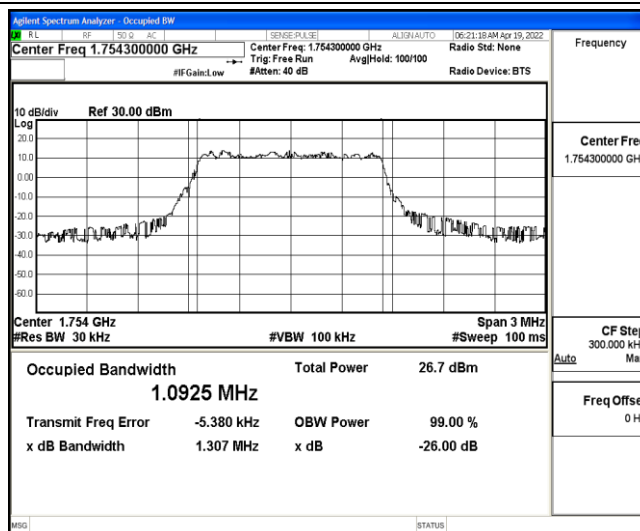
| Band  | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|---------|----------|----------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | 19957      | QPSK    | 6       | 0        | Low      | 1.0894                   | 1.271                | PASS    |
| Band4 | 1.4MHz    | 20175      | QPSK    | 6       | 0        | Low      | 1.0925                   | 1.260                | PASS    |
| Band4 | 1.4MHz    | 20393      | QPSK    | 6       | 0        | High     | 1.0925                   | 1.307                | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 6       | 0        | Low      | 1.0831                   | 1.270                | PASS    |
| Band4 | 1.4MHz    | 20175      | 16QAM   | 6       | 0        | Low      | 1.0898                   | 1.264                | PASS    |
| Band4 | 1.4MHz    | 20393      | 16QAM   | 6       | 0        | High     | 1.0968                   | 1.287                | PASS    |
| Band4 | 3MHz      | 19965      | QPSK    | 6       | 0        | Low      | 1.1038                   | 1.397                | PASS    |
| Band4 | 3MHz      | 20175      | QPSK    | 6       | 0        | Low      | 1.1100                   | 1.328                | PASS    |
| Band4 | 3MHz      | 20385      | QPSK    | 6       | 0        | High     | 1.1202                   | 1.331                | PASS    |
| Band4 | 3MHz      | 19965      | 16QAM   | 6       | 0        | Low      | 1.1168                   | 1.423                | PASS    |
| Band4 | 3MHz      | 20175      | 16QAM   | 6       | 0        | Low      | 1.1138                   | 1.332                | PASS    |
| Band4 | 3MHz      | 20385      | 16QAM   | 6       | 0        | High     | 1.1214                   | 1.343                | PASS    |
| Band4 | 5MHz      | 19975      | QPSK    | 6       | 0        | Low      | 1.1824                   | 1.542                | PASS    |
| Band4 | 5MHz      | 20175      | QPSK    | 6       | 0        | Low      | 1.1738                   | 1.617                | PASS    |
| Band4 | 5MHz      | 20375      | QPSK    | 6       | 0        | High     | 1.1963                   | 1.415                | PASS    |
| Band4 | 5MHz      | 19975      | 16QAM   | 6       | 0        | Low      | 1.1836                   | 1.484                | PASS    |
| Band4 | 5MHz      | 20175      | 16QAM   | 6       | 0        | Low      | 1.1700                   | 1.631                | PASS    |
| Band4 | 5MHz      | 20375      | 16QAM   | 6       | 0        | High     | 1.1881                   | 1.439                | PASS    |
| Band4 | 10MHz     | 20000      | QPSK    | 6       | 0        | Low      | 1.3395                   | 2.392                | PASS    |
| Band4 | 10MHz     | 20175      | QPSK    | 6       | 0        | Low      | 1.3212                   | 2.373                | PASS    |
| Band4 | 10MHz     | 20350      | QPSK    | 6       | 0        | High     | 1.3559                   | 1.842                | PASS    |
| Band4 | 10MHz     | 20000      | 16QAM   | 6       | 0        | Low      | 1.3557                   | 2.708                | PASS    |
| Band4 | 10MHz     | 20175      | 16QAM   | 6       | 0        | Low      | 1.3501                   | 2.429                | PASS    |
| Band4 | 10MHz     | 20350      | 16QAM   | 6       | 0        | High     | 1.3372                   | 1.927                | PASS    |
| Band4 | 15MHz     | 20025      | QPSK    | 6       | 0        | Low      | 1.5843                   | 3.428                | PASS    |
| Band4 | 15MHz     | 20175      | QPSK    | 6       | 0        | Low      | 1.6568                   | 3.337                | PASS    |
| Band4 | 15MHz     | 20325      | QPSK    | 6       | 0        | High     | 1.5590                   | 3.126                | PASS    |
| Band4 | 15MHz     | 20025      | 16QAM   | 6       | 0        | Low      | 1.8192                   | 3.613                | PASS    |
| Band4 | 15MHz     | 20175      | 16QAM   | 6       | 0        | Low      | 1.6773                   | 3.459                | PASS    |
| Band4 | 15MHz     | 20325      | 16QAM   | 6       | 0        | High     | 1.5761                   | 3.007                | PASS    |
| Band4 | 20MHz     | 20050      | QPSK    | 6       | 0        | Low      | 2.4385                   | 5.128                | PASS    |
| Band4 | 20MHz     | 20175      | QPSK    | 6       | 0        | Low      | 2.2378                   | 4.742                | PASS    |
| Band4 | 20MHz     | 20300      | QPSK    | 6       | 0        | High     | 2.0510                   | 4.287                | PASS    |

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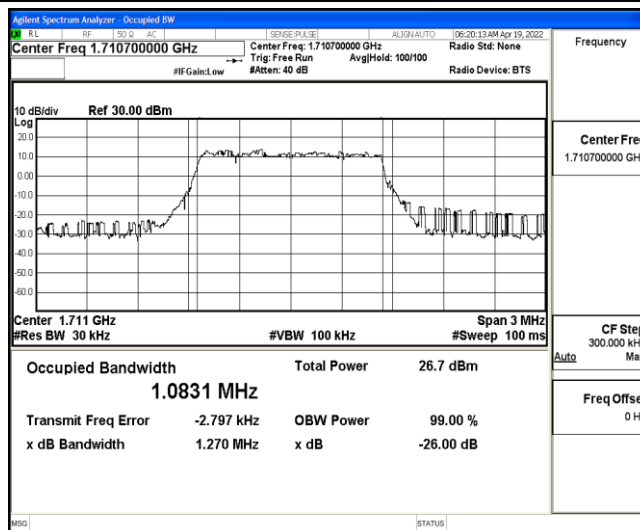
|       |       |       |       |   |   |      |        |       |      |
|-------|-------|-------|-------|---|---|------|--------|-------|------|
| Band4 | 20MHz | 20050 | 16QAM | 6 | 0 | Low  | 2.3359 | 4.667 | PASS |
| Band4 | 20MHz | 20175 | 16QAM | 6 | 0 | Low  | 2.5057 | 4.573 | PASS |
| Band4 | 20MHz | 20300 | 16QAM | 6 | 0 | High | 2.0614 | 4.413 | PASS |

## Test Graphs

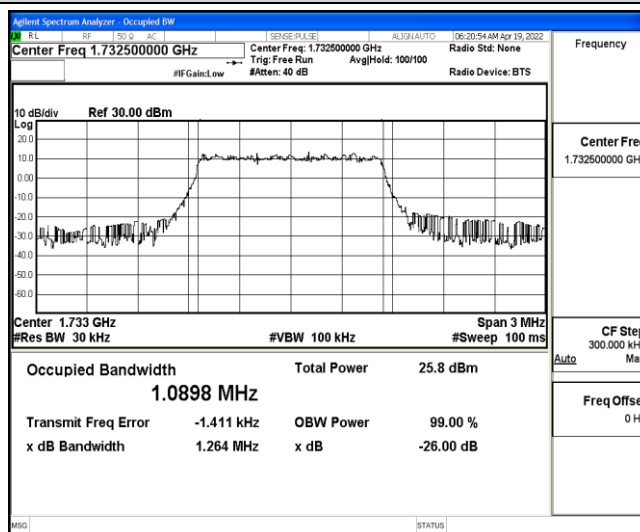




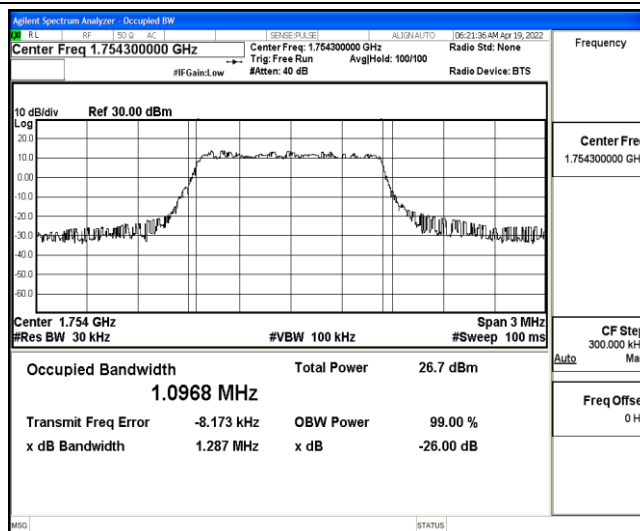
Band4-1.4MHz-QPSK-20393-6-0-High-1.0925-1.307-PASS



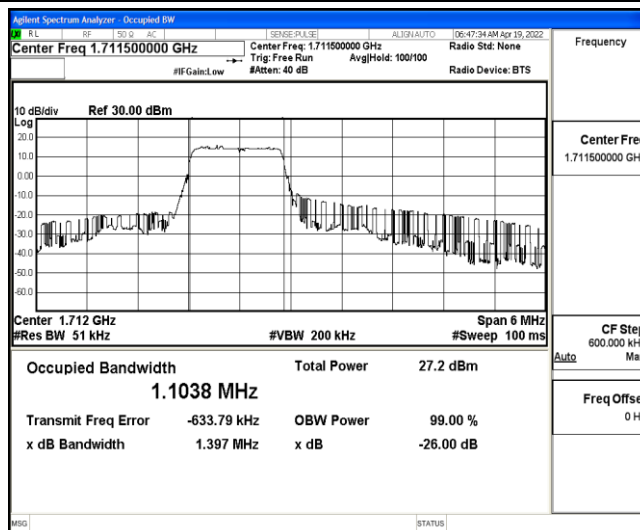
Band4-1.4MHz-16QAM-19957-6-0-Low-1.0831-1.270-PASS



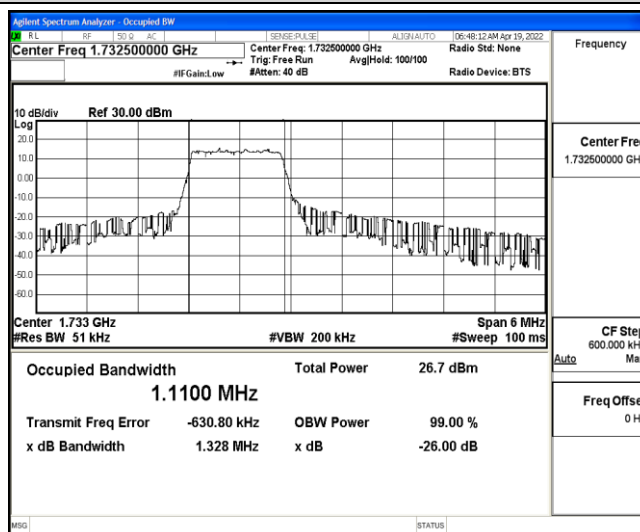
Band4-1.4MHz-16QAM-20175-6-0-Low-1.0898-1.264-PASS



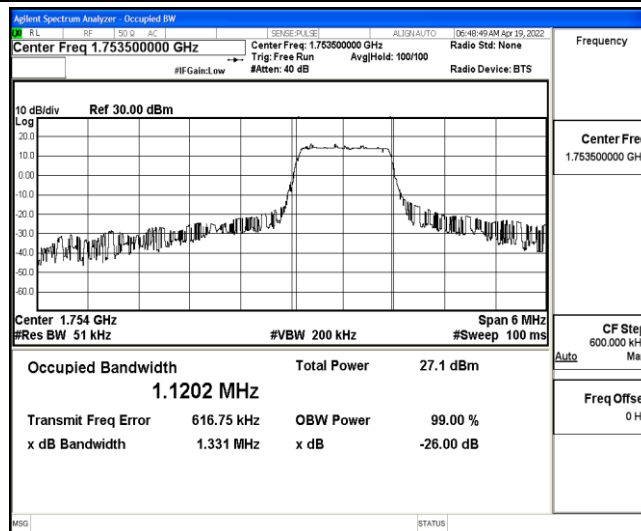
Band4-1.4MHz-16QAM-20393-6-0-High-1.0968-1.287-PASS



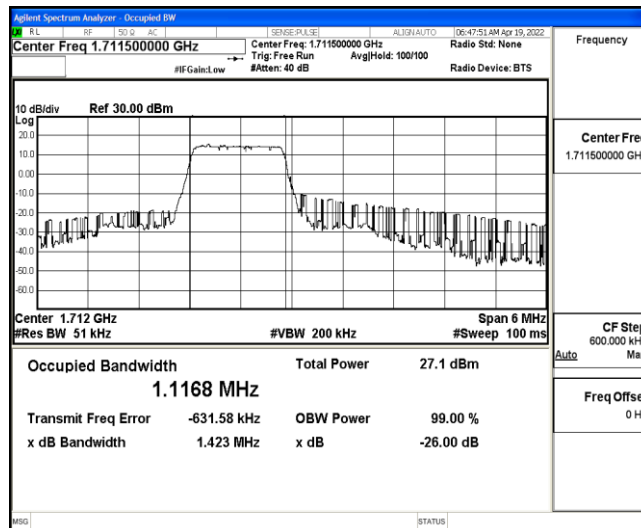
Band4-3MHz-QPSK-19965-6-0-Low-1.1038-1.397-PASS



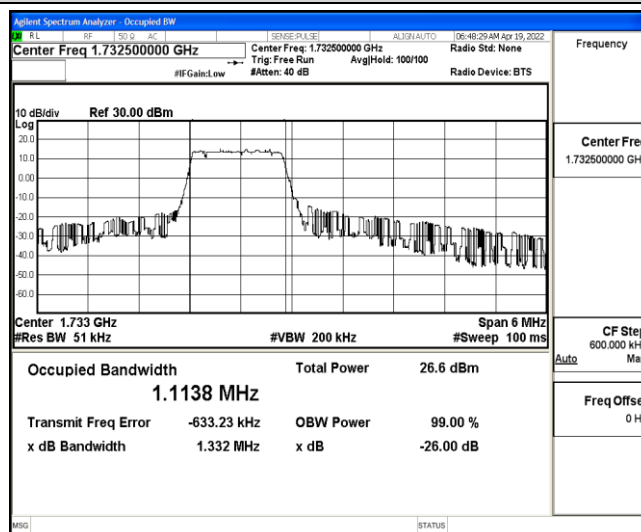
Band4-3MHz-QPSK-20175-6-0-Low-1.1100-1.328-PASS



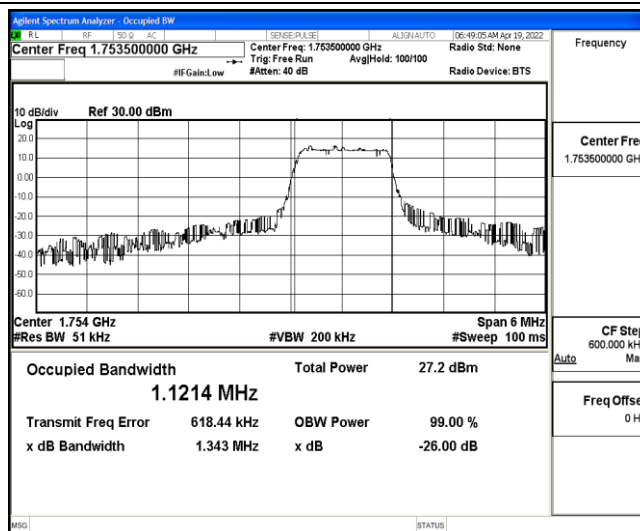
Band4-3MHz-QPSK-20385-6-0-High-1.1202-1.331-PASS



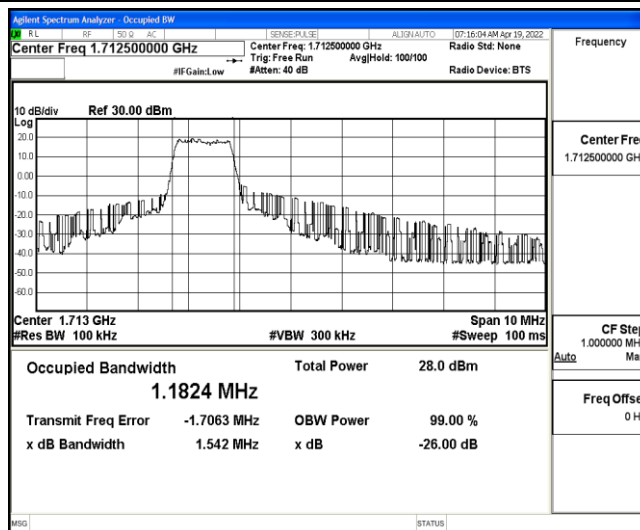
Band4-3MHz-16QAM-19965-6-0-Low-1.1168-1.423-PASS



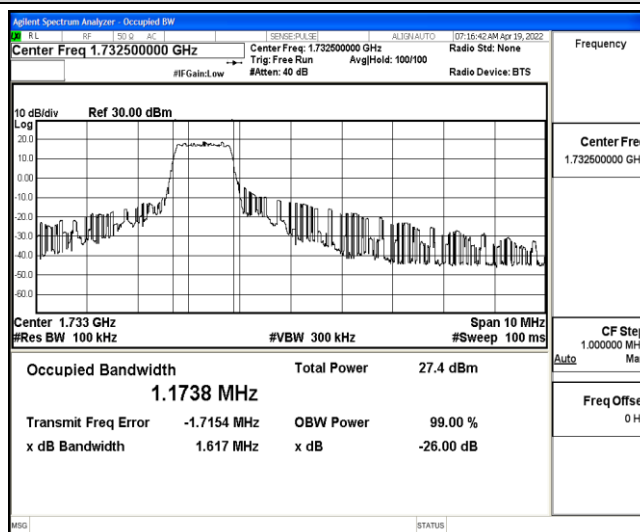
Band4-3MHz-16QAM-20175-6-0-Low-1.1138-1.332-PASS



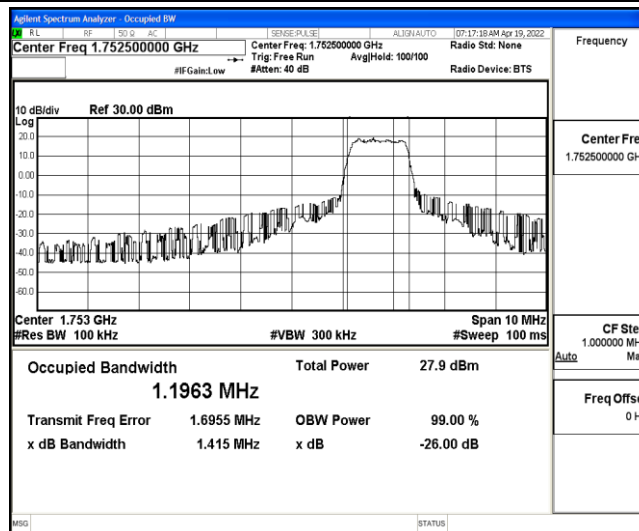
Band4-3MHz-16QAM-20385-6-0-High-1.1214-1.343-PASS



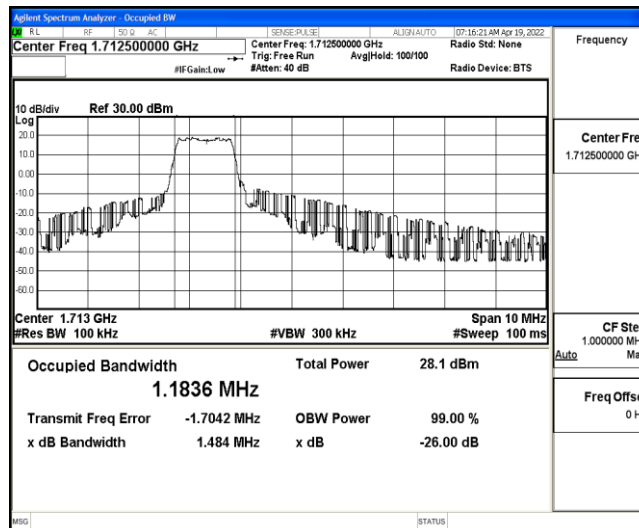
Band4-5MHz-QPSK-19975-6-0-Low-1.1824-1.542-PASS



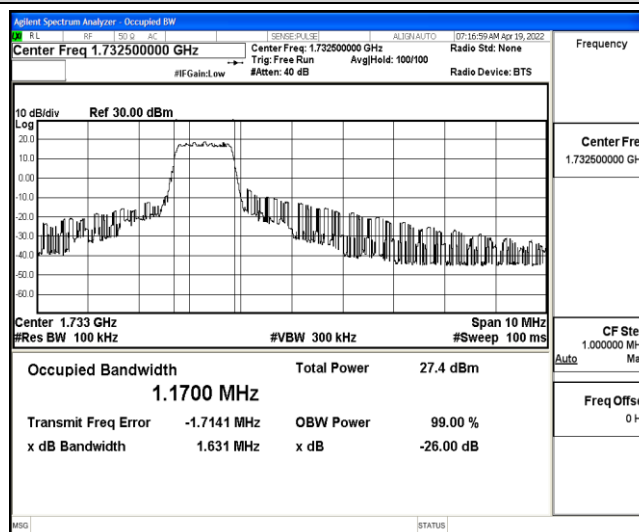
Band4-5MHz-QPSK-20175-6-0-Low-1.1738-1.617-PASS



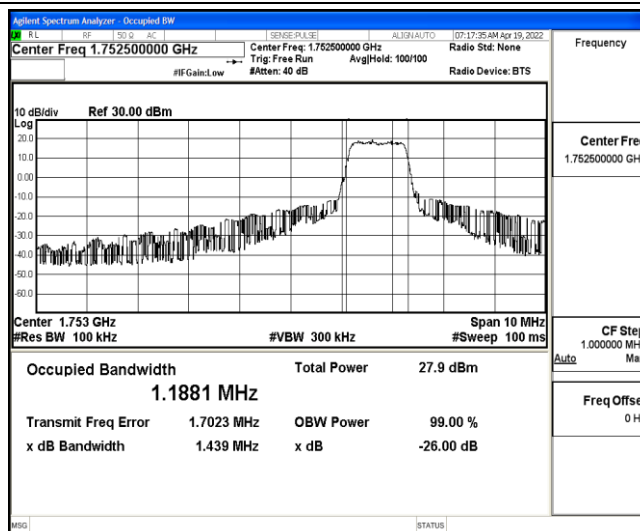
Band4-5MHz-QPSK-20375-6-0-High-1.1963-1.415-PASS



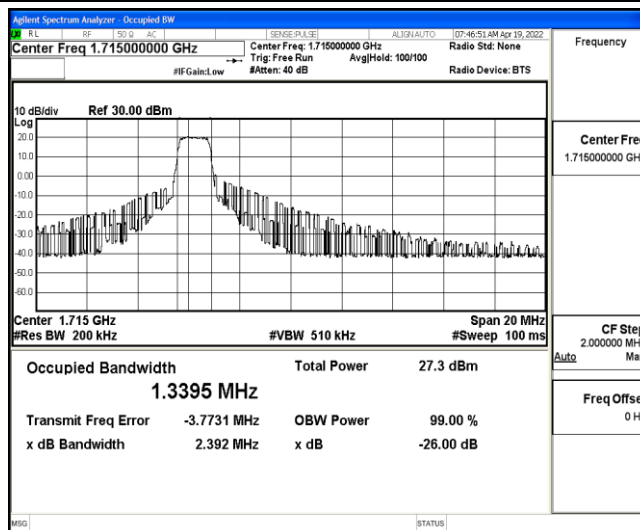
Band4-5MHz-16QAM-19975-6-0-Low-1.1836-1.484-PASS



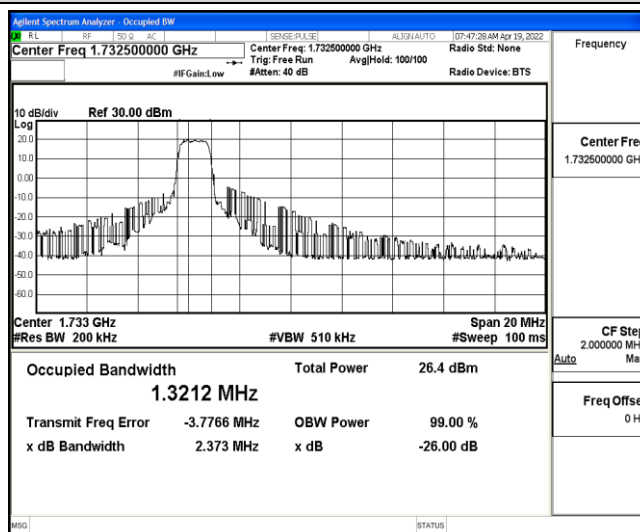
Band4-5MHz-16QAM-20175-6-0-Low-1.1700-1.631-PASS



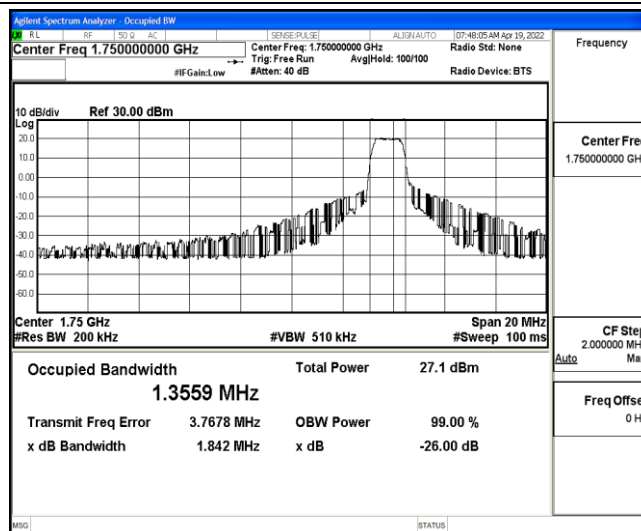
Band4-5MHz-16QAM-20375-6-0-High-1.1881-1.439-PASS



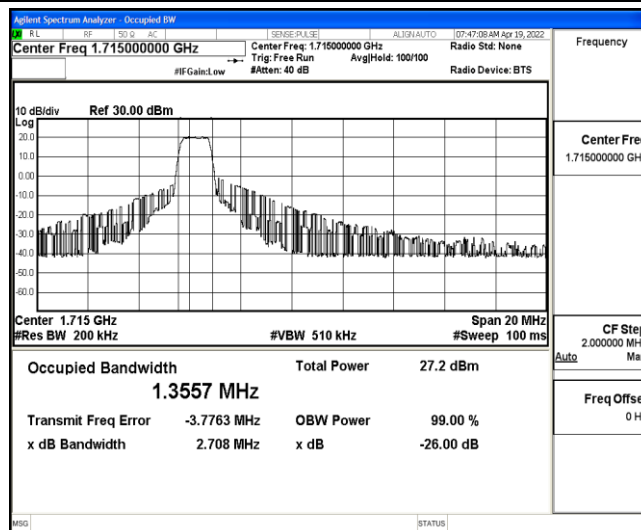
Band4-10MHz-QPSK-20000-6-0-Low-1.3395-2.392-PASS



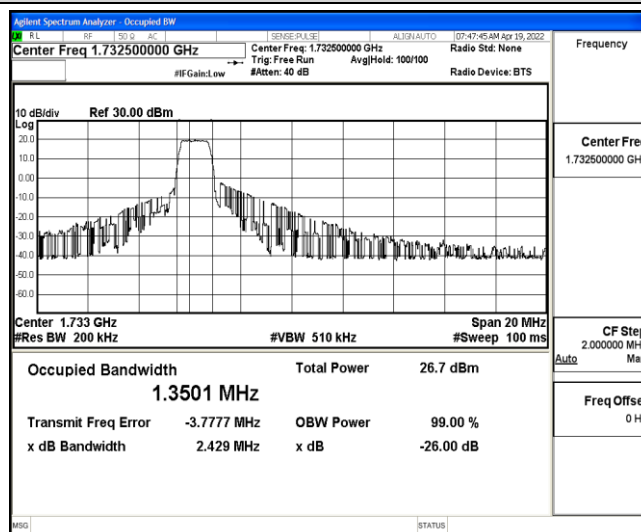
Band4-10MHz-QPSK-20175-6-0-Low-1.3212-2.373-PASS



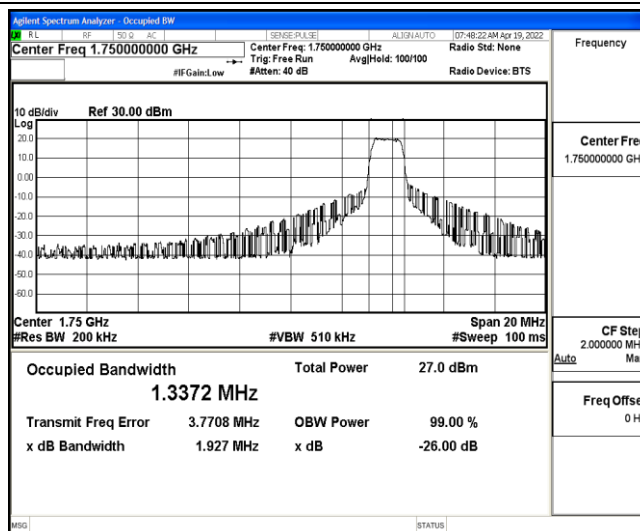
Band4-10MHz-QPSK-20350-6-0-High-1.3559-1.842-PASS



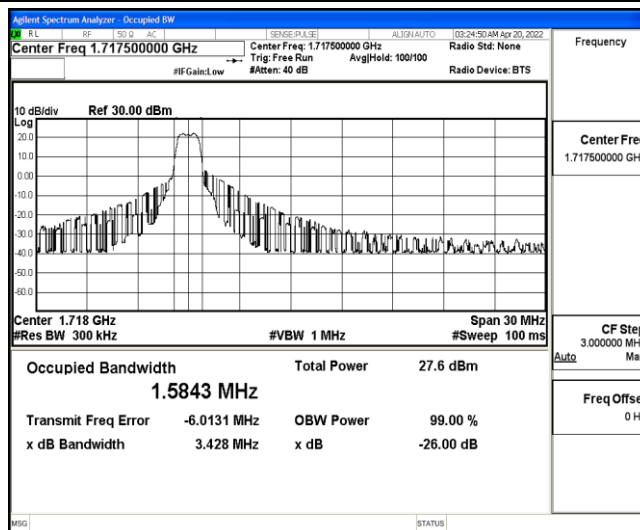
Band4-10MHz-16QAM-20000-6-0-Low-1.3557-2.708-PASS



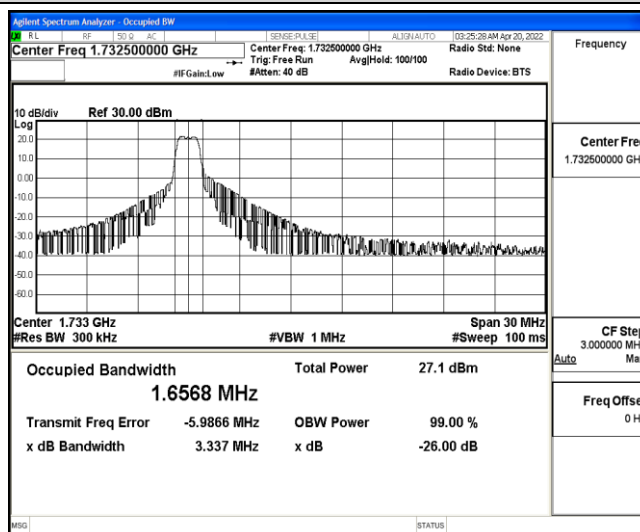
Band4-10MHz-16QAM-20175-6-0-Low-1.3501-2.429-PASS



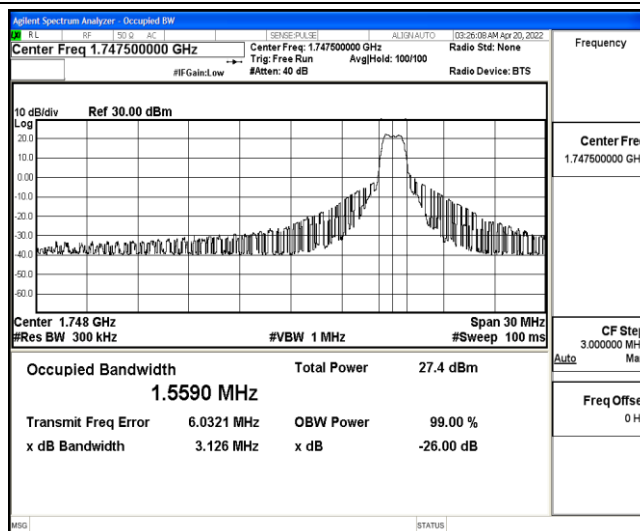
Band4-10MHz-16QAM-20350-6-0-High-1.3372-1.927-PASS



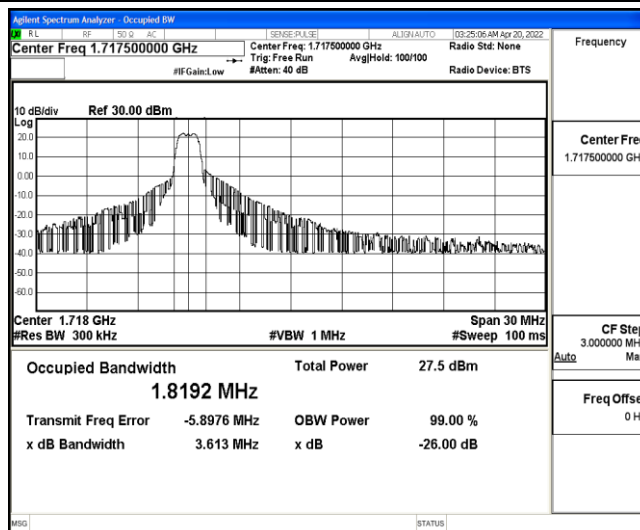
Band4-15MHz-QPSK-20025-6-0-Low-1.5843-3.428-PASS



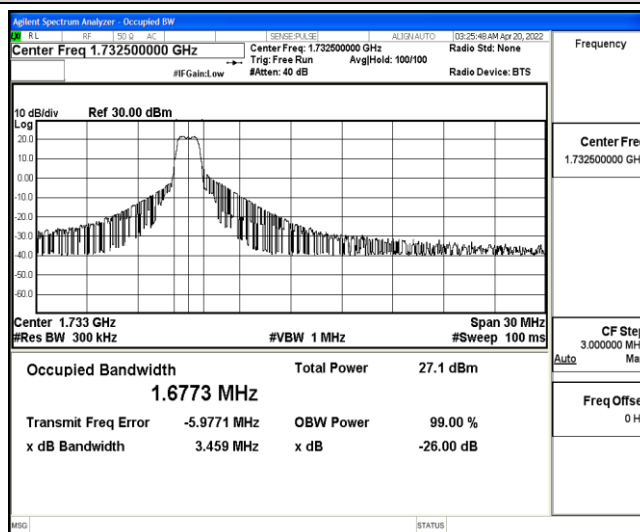
Band4-15MHz-QPSK-20175-6-0-Low-1.6568-3.337-PASS



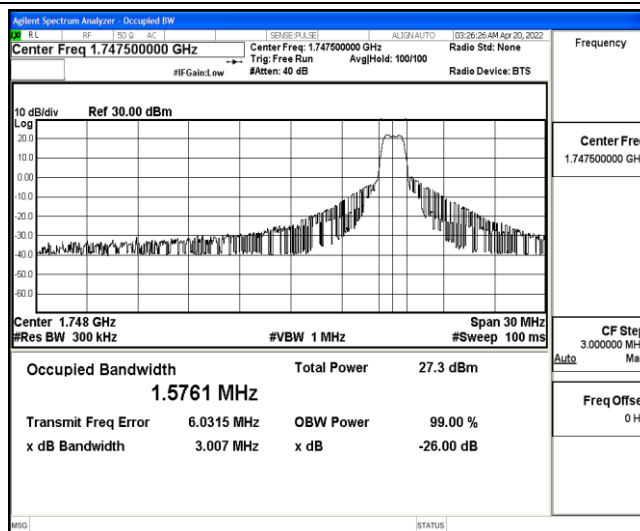
Band4-15MHz-QPSK-20325-6-0-High-1.5590-3.126-PASS



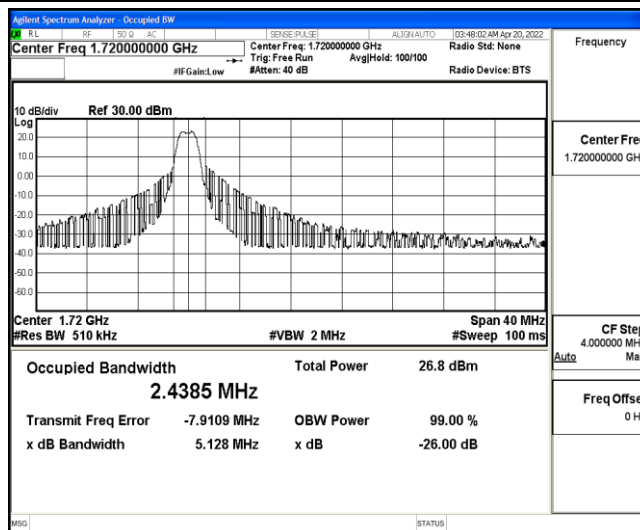
Band4-15MHz-16QAM-20025-6-0-Low-1.8192-3.613-PASS



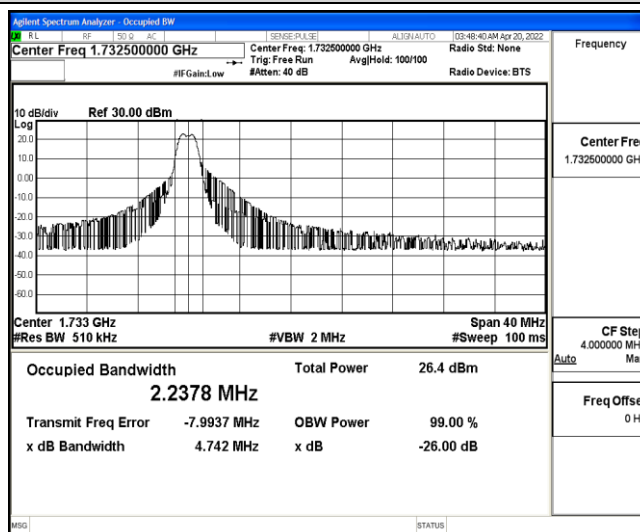
Band4-15MHz-16QAM-20175-6-0-Low-1.6773-3.459-PASS



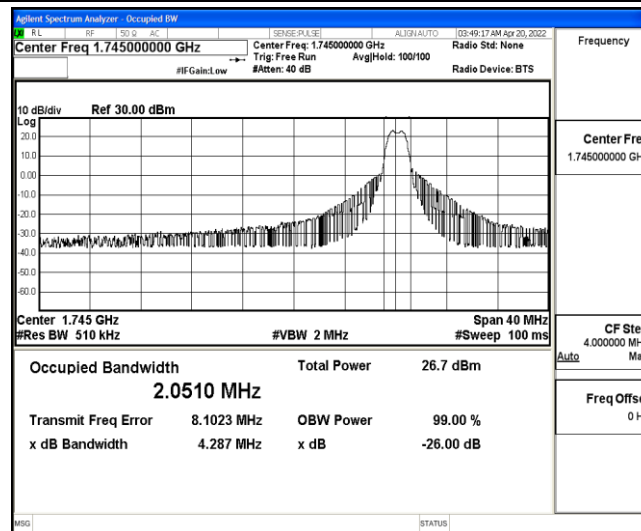
Band4-15MHz-16QAM-20325-6-0-High-1.5761-3.007-PASS



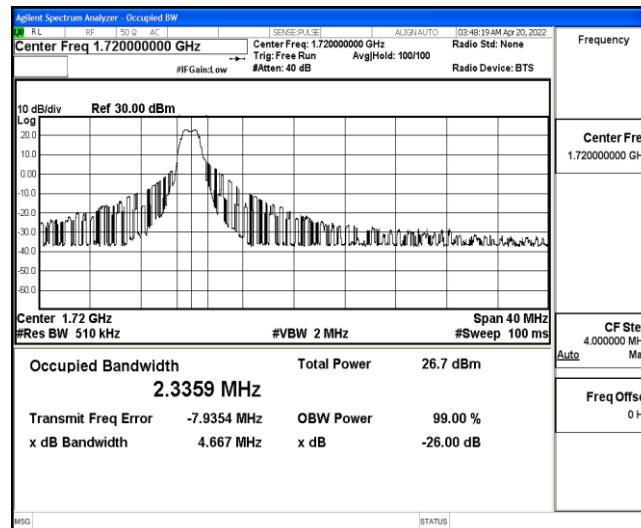
Band4-20MHz-QPSK-20050-6-0-Low-2.4385-5.128-PASS



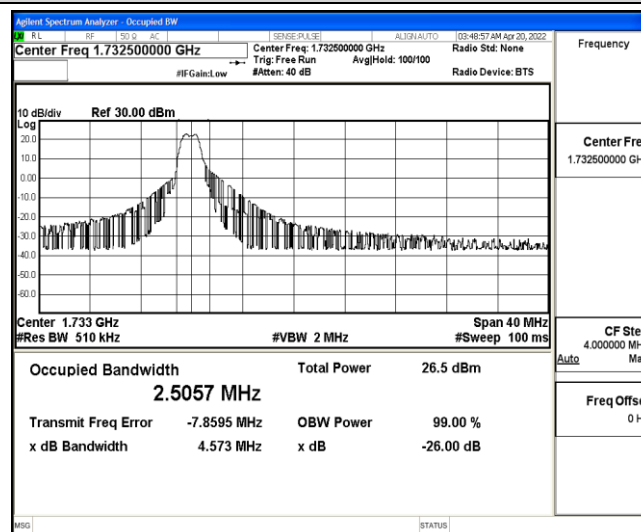
Band4-20MHz-QPSK-20175-6-0-Low-2.2378-4.742-PASS



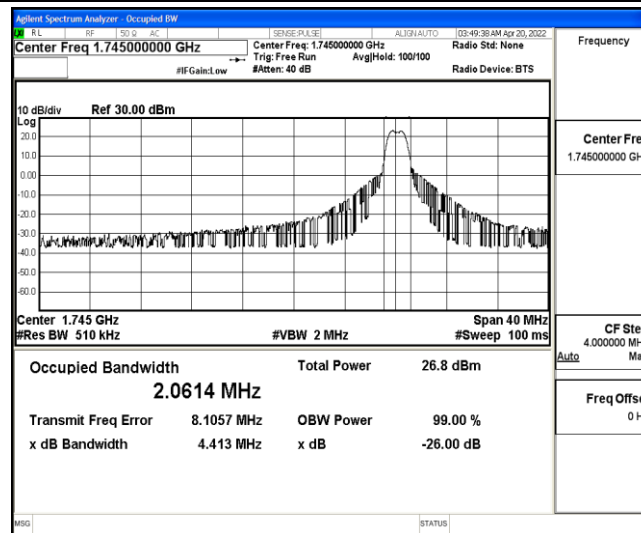
Band4-20MHz-QPSK-20300-6-0-High-2.0510-4.287-PASS



Band4-20MHz-16QAM-20050-6-0-Low-2.3359-4.667-PASS



Band4-20MHz-16QAM-20175-6-0-Low-2.5057-4.573-PASS



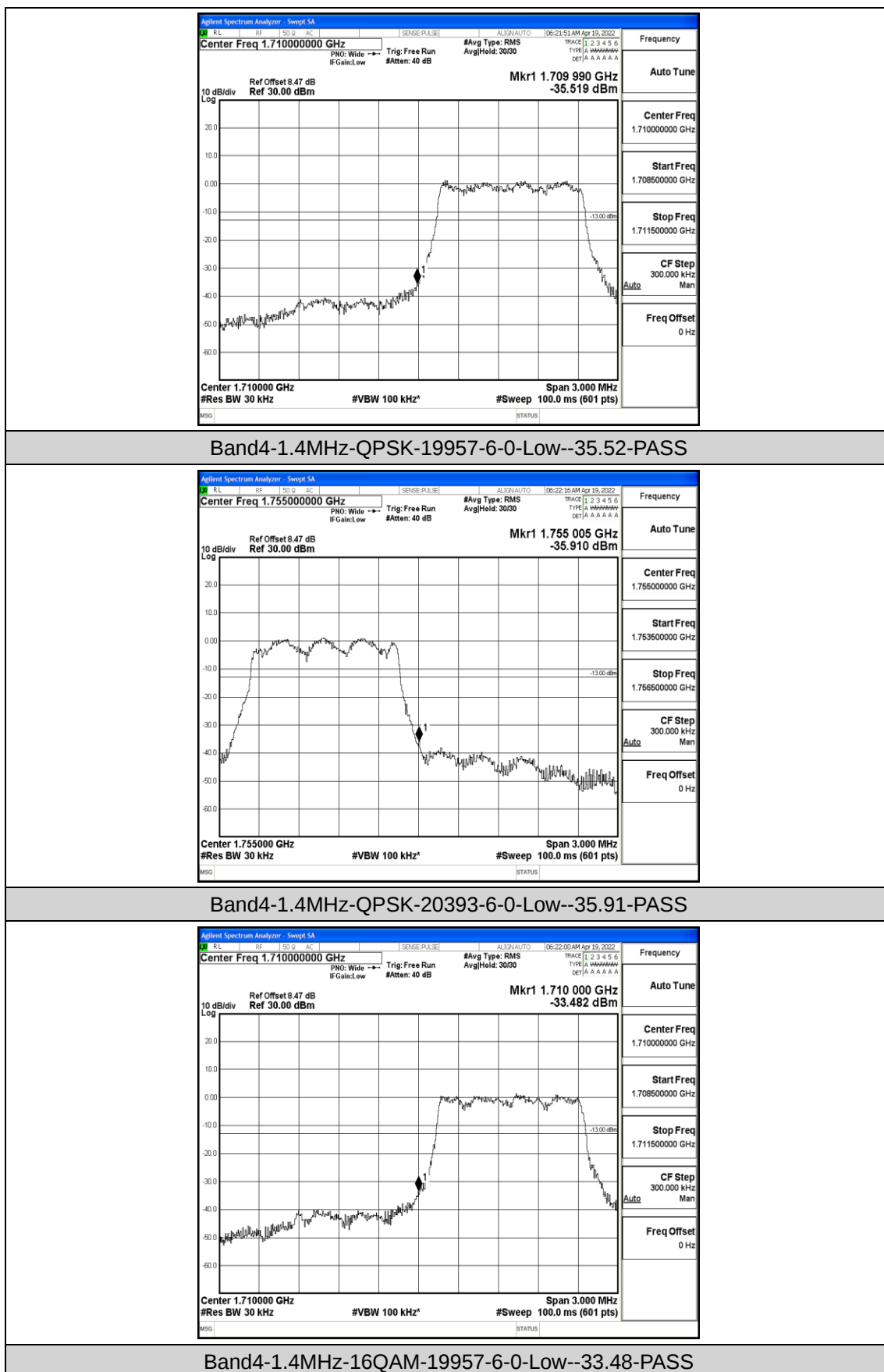
Band4-20MHz-16QAM-20300-6-0-High-2.0614-4.413-PASS

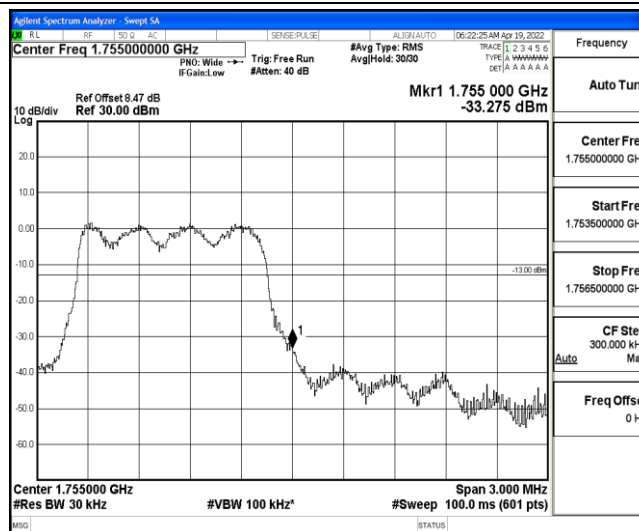
## Appendix D: Band Edge for M1

### Test Result

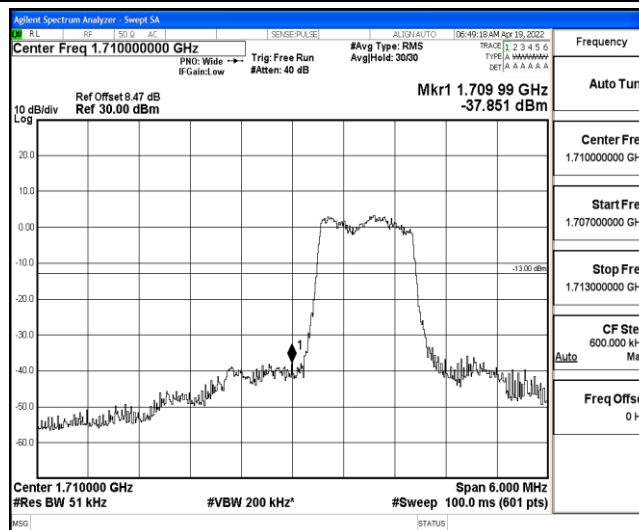
| Band  | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Result(dBm) | Verdict |
|-------|-----------|------------|---------|---------|----------|----------|-------------|---------|
| Band4 | 1.4MHz    | 19957      | QPSK    | 6       | 0        | Low      | -35.52      | PASS    |
| Band4 | 1.4MHz    | 20393      | QPSK    | 6       | 0        | Low      | -35.91      | PASS    |
| Band4 | 1.4MHz    | 19957      | 16QAM   | 6       | 0        | Low      | -33.48      | PASS    |
| Band4 | 1.4MHz    | 20393      | 16QAM   | 6       | 0        | Low      | -33.27      | PASS    |
| Band4 | 3MHz      | 19965      | QPSK    | 6       | 0        | Low      | -37.85      | PASS    |
| Band4 | 3MHz      | 20385      | QPSK    | 6       | 0        | Low      | -44.05      | PASS    |
| Band4 | 3MHz      | 19965      | 16QAM   | 6       | 0        | Low      | -38.18      | PASS    |
| Band4 | 3MHz      | 20385      | 16QAM   | 6       | 0        | Low      | -44.12      | PASS    |
| Band4 | 5MHz      | 19975      | QPSK    | 6       | 0        | Low      | -29.80      | PASS    |
| Band4 | 5MHz      | 20375      | QPSK    | 6       | 0        | Low      | -49.67      | PASS    |
| Band4 | 5MHz      | 19975      | 16QAM   | 6       | 0        | Low      | -29.35      | PASS    |
| Band4 | 5MHz      | 20375      | 16QAM   | 6       | 0        | Low      | -49.39      | PASS    |
| Band4 | 10MHz     | 20000      | QPSK    | 6       | 0        | Low      | -30.64      | PASS    |
| Band4 | 10MHz     | 20350      | QPSK    | 6       | 0        | Low      | -50.26      | PASS    |
| Band4 | 10MHz     | 20000      | 16QAM   | 6       | 0        | Low      | -32.67      | PASS    |
| Band4 | 10MHz     | 20350      | 16QAM   | 6       | 0        | Low      | -50.21      | PASS    |
| Band4 | 15MHz     | 20025      | QPSK    | 6       | 0        | Low      | -28.02      | PASS    |
| Band4 | 15MHz     | 20325      | QPSK    | 6       | 0        | Low      | -48.40      | PASS    |
| Band4 | 15MHz     | 20025      | 16QAM   | 6       | 0        | Low      | -26.22      | PASS    |
| Band4 | 15MHz     | 20325      | 16QAM   | 6       | 0        | Low      | -48.42      | PASS    |
| Band4 | 20MHz     | 20050      | QPSK    | 6       | 0        | Low      | -32.13      | PASS    |
| Band4 | 20MHz     | 20300      | QPSK    | 6       | 0        | Low      | -41.80      | PASS    |
| Band4 | 20MHz     | 20300      | QPSK    | 6       | 0        | High     | -29.57      | PASS    |
| Band4 | 20MHz     | 20050      | 16QAM   | 6       | 0        | Low      | -33.11      | PASS    |
| Band4 | 20MHz     | 20300      | 16QAM   | 6       | 0        | Low      | -41.80      | PASS    |
| Band4 | 20MHz     | 20300      | 16QAM   | 6       | 0        | High     | -28.84      | PASS    |

## Test Graphs

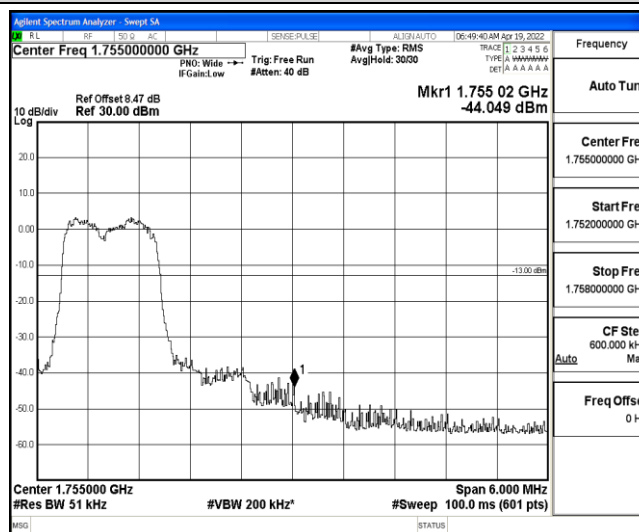




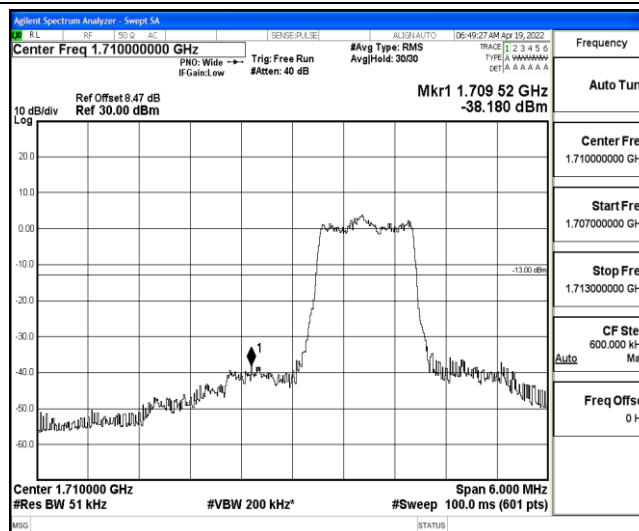
Band4-1.4MHz-16QAM-20393-6-0-Low--33.27-PASS



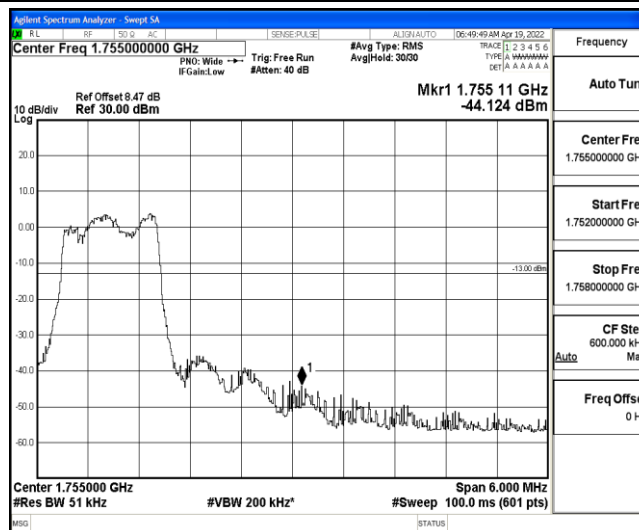
Band4-3MHz-QPSK-19965-6-0-Low--37.85-PASS



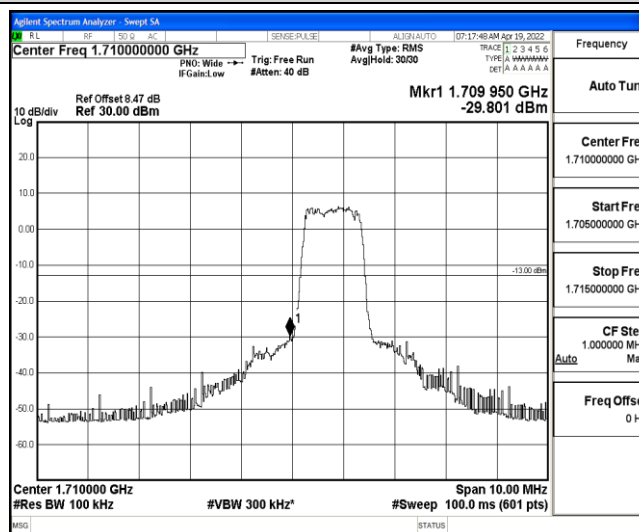
Band4-3MHz-QPSK-20385-6-0-Low--44.05-PASS



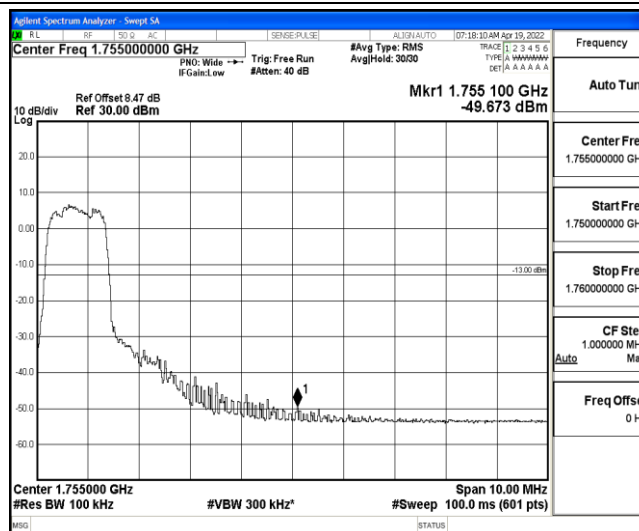
Band4-3MHz-16QAM-19965-6-0-Low--38.18-PASS



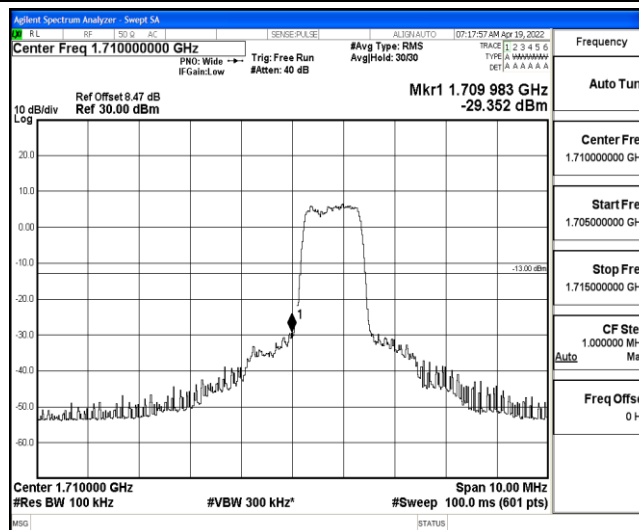
Band4-3MHz-16QAM-20385-6-0-Low--44.12-PASS



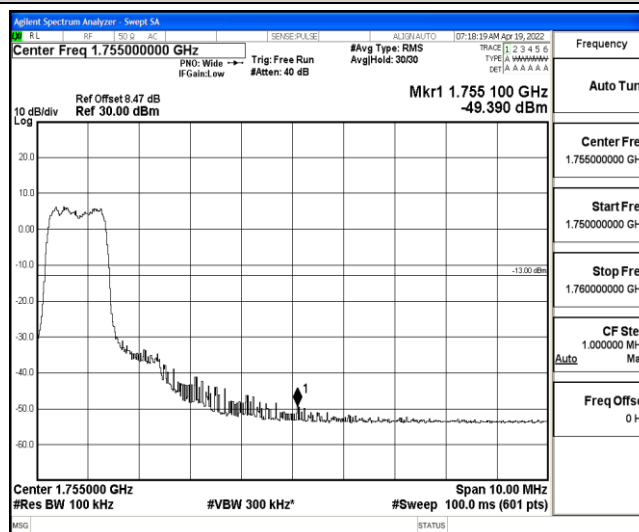
Band4-5MHz-QPSK-19975-6-0-Low--29.80-PASS



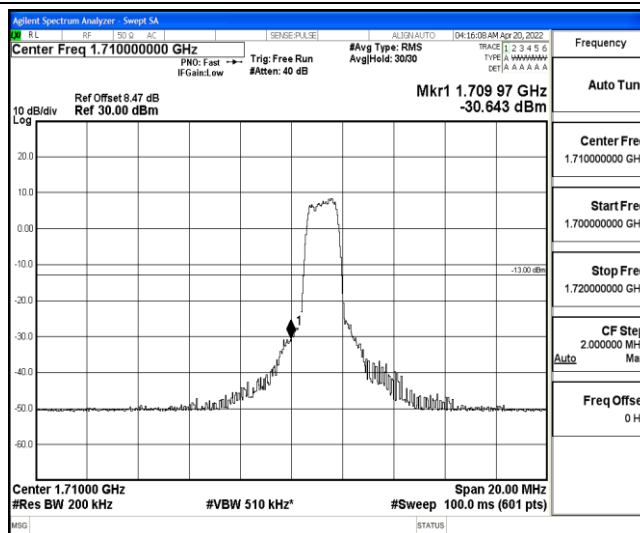
Band4-5MHz-QPSK-20375-6-0-Low--49.67-PASS



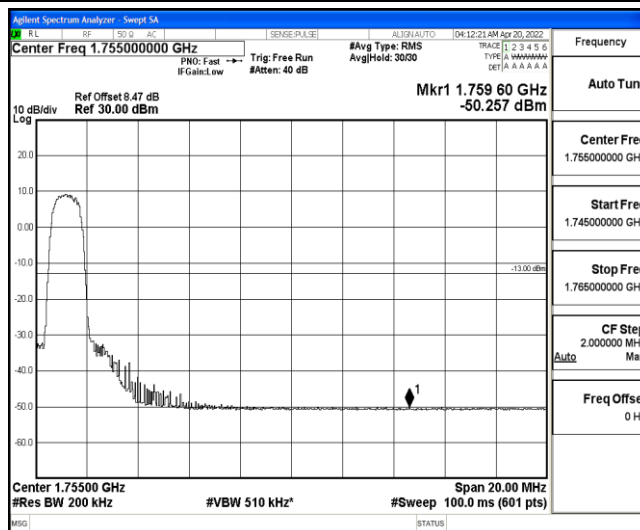
Band4-5MHz-16QAM-19975-6-0-Low--29.35-PASS



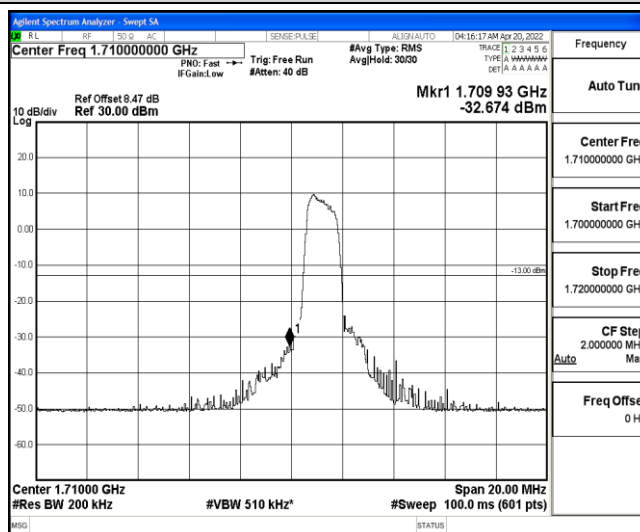
Band4-5MHz-16QAM-20375-6-0-Low--49.39-PASS



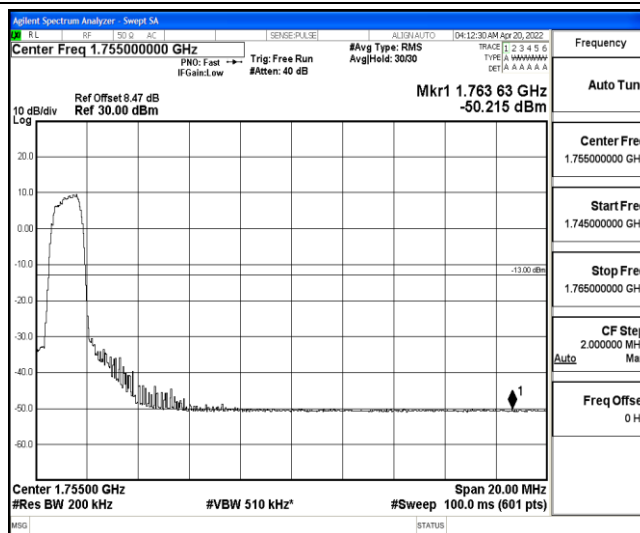
Band4-10MHz-QPSK-20000-6-0-Low--30.64-PASS



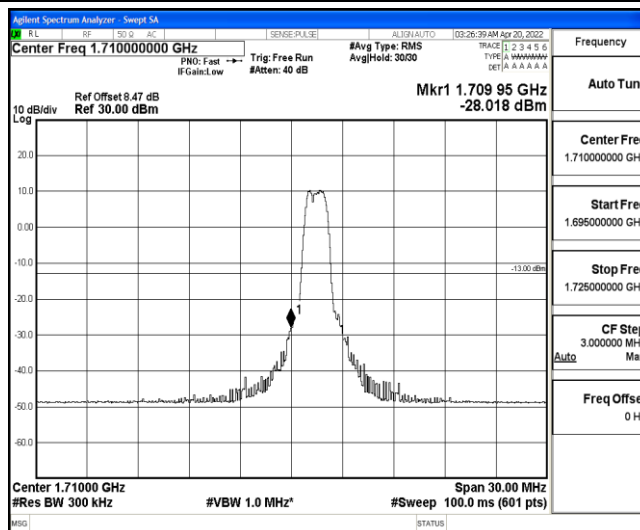
Band4-10MHz-QPSK-20350-6-0-Low--50.26-PASS



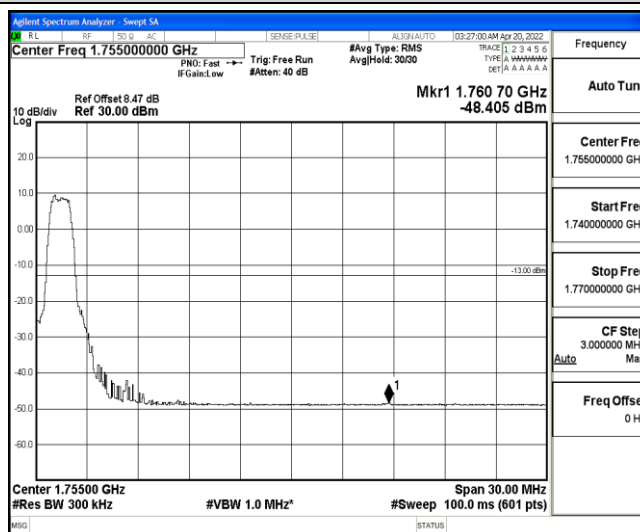
Band4-10MHz-16QAM-20000-6-0-Low--32.67-PASS



Band4-10MHz-16QAM-20350-6-0-Low--50.21-PASS



Band4-15MHz-QPSK-20025-6-0-Low--28.02-PASS



Band4-15MHz-QPSK-20325-6-0-Low--48.40-PASS