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## **Appendix for LTE Band 19**

**Applicant: HONGKONG UCLOUDLINK NETWORK TECHNOLOGY  
LIMITED**

**Address: Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung  
Sha Wan Road, Kowloon, Hong Kong**

**Product Name: 4G LTE Wireless Router**

**Model: GLMR21A02**

**FCC ID: 2AC88-GLMR21A02**

## TABLE OF CONTENTS

|          |                                                        |          |
|----------|--------------------------------------------------------|----------|
| <b>1</b> | <b>Summary of Test Results Data and Graph.....</b>     | <b>3</b> |
| 1.1.     | Appendix A: Conducted Power Output Data .....          | 3        |
| 1.2.     | Appendix B: Peak-to-Average Ratio(CCDF) .....          | 6        |
| 1.3.     | Appendix C: 26dB Bandwidth and Occupied Bandwidth..... | 17       |
| 1.4.     | Appendix D: Band Edge .....                            | 23       |
| 1.5.     | Appendix E: Conducted Spurious Emission .....          | 32       |
| 1.6.     | Appendix F: Frequency Stability .....                  | 43       |

# 1 Summary of Test Results Data and Graph

## 1.1. Appendix A: Conducted Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#0            | 25.61       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#12           | 25.00       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#24           | 24.92       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 12RB#0           | 24.75       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 12RB#6           | 24.80       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 12RB#13          | 24.85       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 25RB#0           | 24.83       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 1RB#0            | 24.78       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 1RB#12           | 24.75       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 1RB#24           | 24.81       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 12RB#0           | 24.76       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 12RB#6           | 24.80       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 12RB#13          | 24.97       | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 25RB#0           | 24.84       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#0            | 24.95       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#12           | 24.85       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#24           | 24.65       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 12RB#0           | 24.86       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 12RB#6           | 24.86       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 12RB#13          | 24.80       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 25RB#0           | 24.89       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#0            | 24.74       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#12           | 24.62       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#24           | 24.69       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 12RB#0           | 24.82       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 12RB#6           | 24.79       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 12RB#13          | 24.87       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 25RB#0           | 23.68       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 1RB#0            | 25.00       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 1RB#12           | 24.84       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 1RB#24           | 24.99       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 12RB#0           | 24.79       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 12RB#6           | 24.81       | PASS    |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band19 | 5MHz  | 16QAM | 24075 | 12RB#13 | 24.84 | PASS |
| Band19 | 5MHz  | 16QAM | 24075 | 25RB#0  | 23.74 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 1RB#0   | 24.89 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 1RB#12  | 24.71 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 1RB#24  | 24.75 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 12RB#0  | 24.86 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 12RB#6  | 24.87 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 12RB#13 | 24.80 | PASS |
| Band19 | 5MHz  | 16QAM | 24125 | 25RB#0  | 23.70 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 1RB#0   | 24.60 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 1RB#24  | 24.01 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 1RB#49  | 24.66 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 25RB#0  | 24.84 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 25RB#12 | 24.79 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 25RB#25 | 24.02 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0  | 24.91 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 1RB#0   | 24.92 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 1RB#24  | 24.12 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 1RB#49  | 24.89 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 25RB#0  | 24.93 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 25RB#12 | 24.90 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 25RB#25 | 24.90 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0  | 24.87 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 1RB#0   | 24.69 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 1RB#24  | 24.75 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 1RB#49  | 24.62 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 25RB#0  | 24.92 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 25RB#12 | 24.88 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 25RB#25 | 24.84 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0  | 24.91 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 1RB#0   | 24.61 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 1RB#24  | 24.90 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 1RB#49  | 24.64 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 25RB#0  | 24.81 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 25RB#12 | 24.78 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 25RB#25 | 24.87 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0  | 23.87 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 1RB#0   | 24.64 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band19 | 10MHz | 16QAM | 24075 | 1RB#24  | 25.42 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 1RB#49  | 25.60 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 25RB#0  | 24.89 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 25RB#12 | 24.91 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 25RB#25 | 24.89 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0  | 23.98 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 1RB#0   | 24.70 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 1RB#24  | 24.83 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 1RB#49  | 24.96 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 25RB#0  | 24.95 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 25RB#12 | 24.89 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 25RB#25 | 24.79 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0  | 23.78 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 1RB#0   | 25.54 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 1RB#38  | 24.82 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 1RB#74  | 24.59 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 38RB#0  | 24.91 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 38RB#18 | 24.91 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 38RB#37 | 24.55 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0  | 24.87 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 1RB#0   | 24.29 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 1RB#38  | 24.89 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 1RB#74  | 24.84 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 38RB#0  | 24.88 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 38RB#18 | 24.86 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 38RB#37 | 24.58 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0  | 23.87 | PASS |

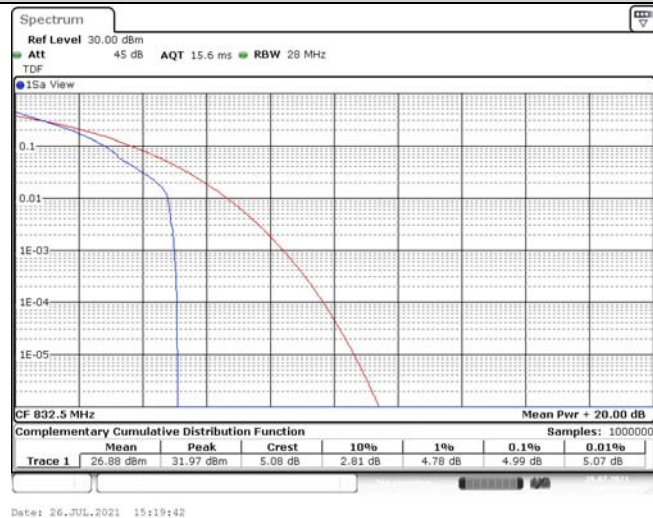
## 1.2. Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

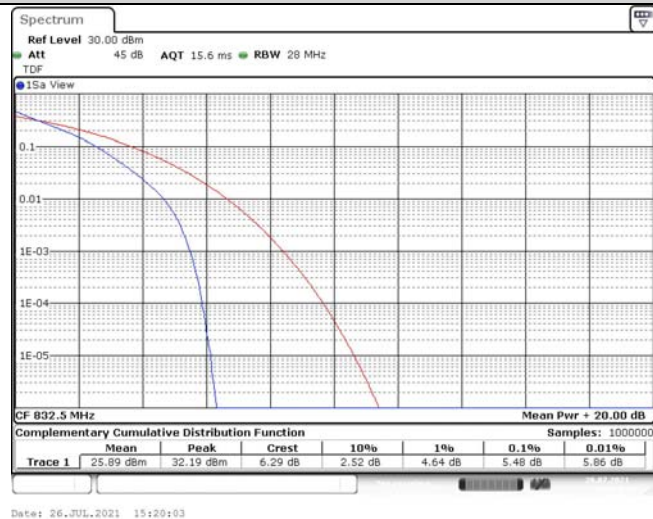
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#0            | 4.99       | 13        | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 25RB#0           | 5.48       | 13        | PASS    |
| Band19 | 5MHzS     | QPSK       | 24075   | 1RB#0            | 4.67       | 13        | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 25RB#0           | 5.10       | 13        | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#0            | 4.43       | 13        | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 25RB#0           | 5.30       | 13        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#0            | 6.03       | 13        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 25RB#0           | 6.35       | 13        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 1RB#0            | 5.48       | 13        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 25RB#0           | 6.00       | 13        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 1RB#0            | 8.46       | 13        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 25RB#0           | 6.20       | 13        | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 1RB#0            | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 50RB#0           | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | QPSK       | 24075   | 1RB#0            | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | QPSK       | 24075   | 50RB#0           | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 1RB#0            | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 50RB#0           | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 1RB#0            | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 50RB#0           | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | 16QAM      | 24075   | 1RB#0            | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | 16QAM      | 24075   | 50RB#0           | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 1RB#0            | 4.87       | 13        | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 50RB#0           | 4.87       | 13        | PASS    |
| Band19 | 15MHz     | QPSK       | 24075   | 1RB#0            | 4.93       | 13        | PASS    |
| Band19 | 15MHz     | QPSK       | 24075   | 75RB#0           | 5.28       | 13        | PASS    |
| Band19 | 15MHz     | 16QAM      | 24075   | 1RB#0            | 5.97       | 13        | PASS    |
| Band19 | 15MHz     | 16QAM      | 24075   | 75RB#0           | 6.12       | 13        | PASS    |

## Test Graphs

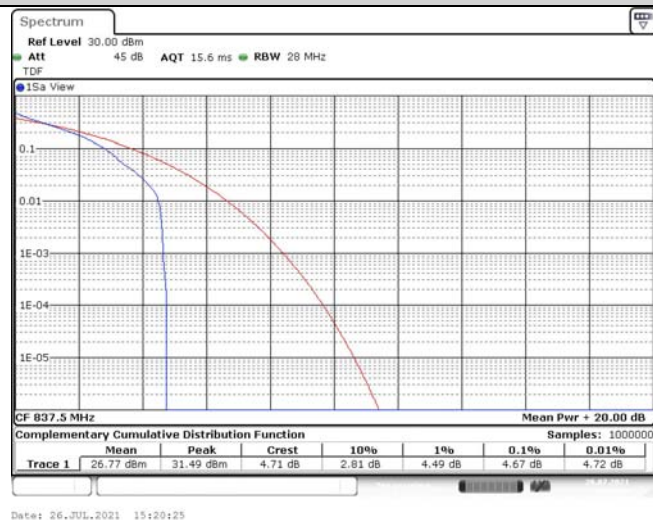
Band19-5MHz-QPSK-24025-1RB#0



Band19-5MHz-QPSK-24025-25RB#0



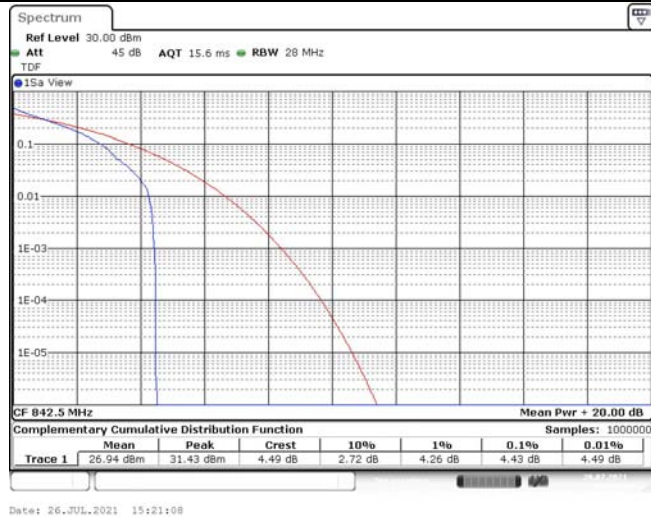
Band19-5MHz-QPSK-24075-1RB#0



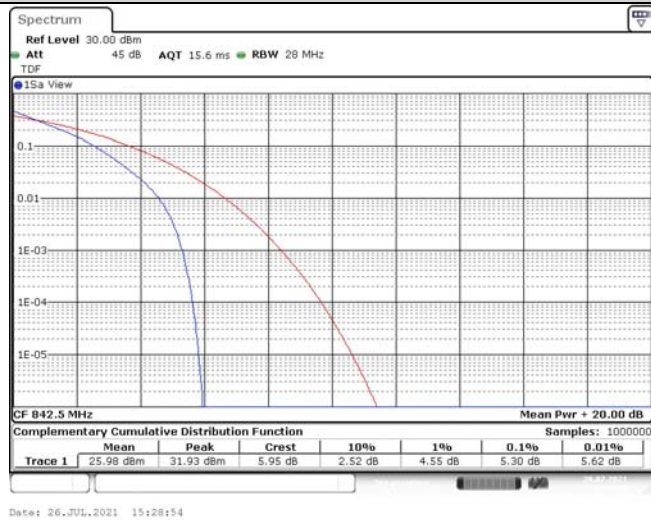
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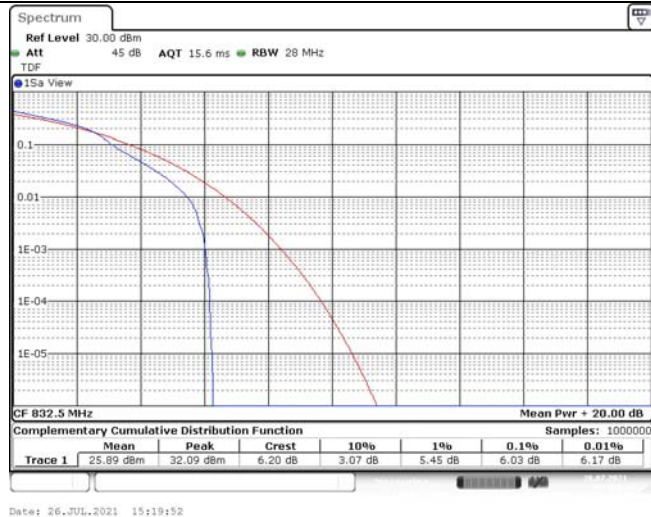


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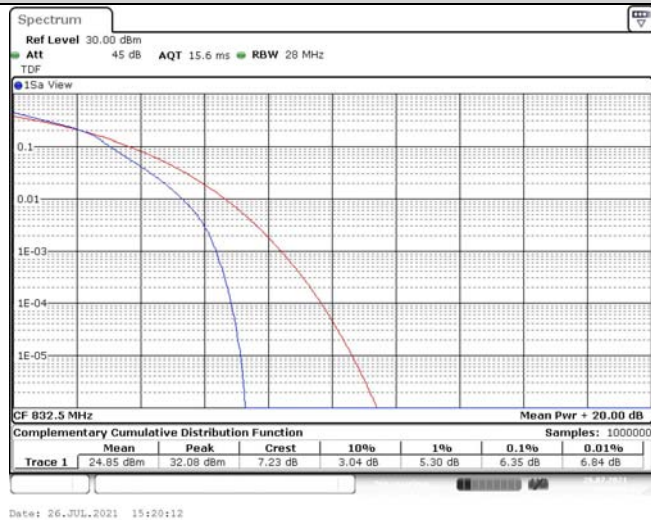


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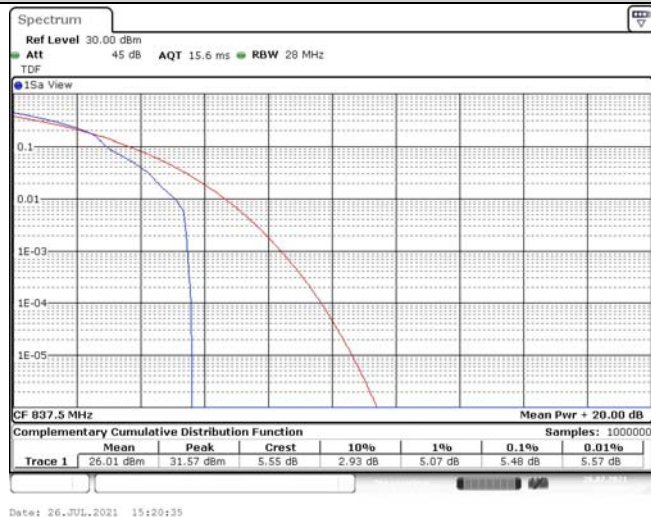




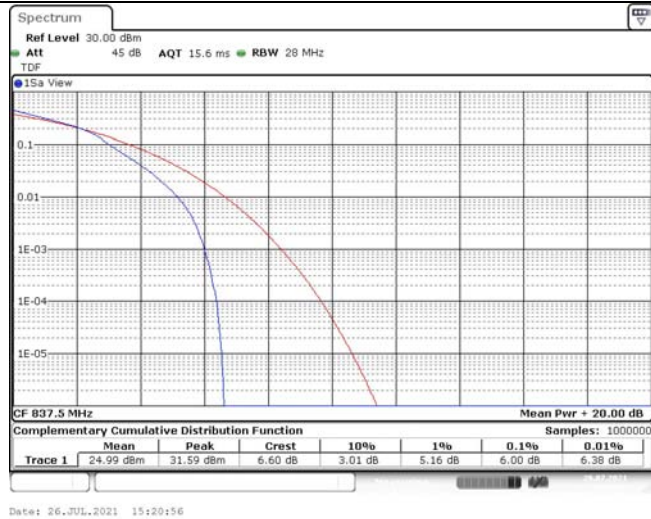
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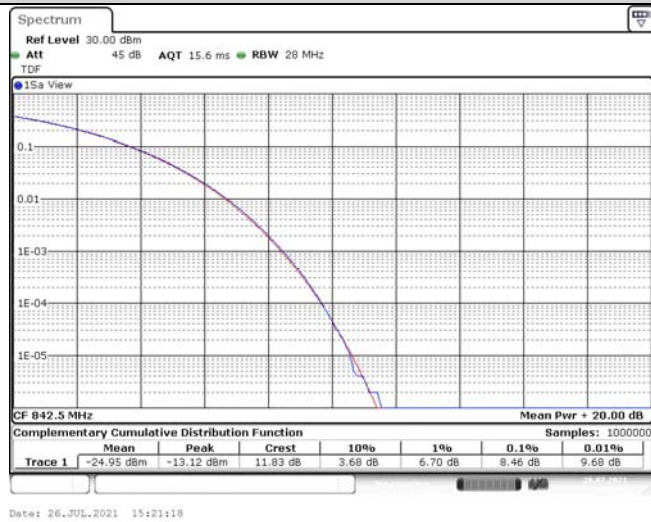
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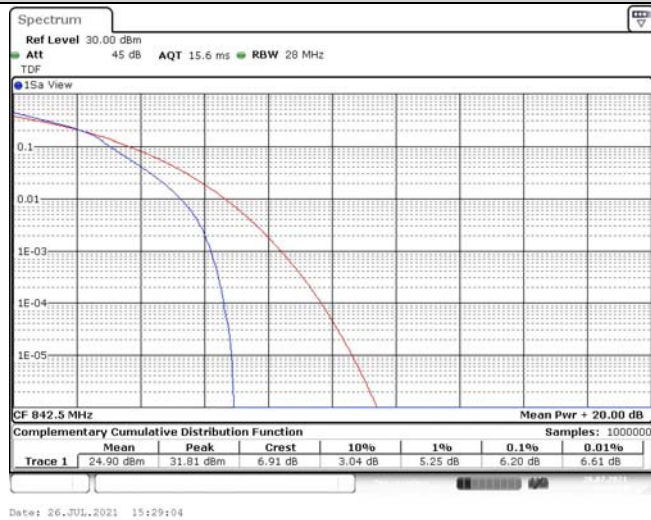
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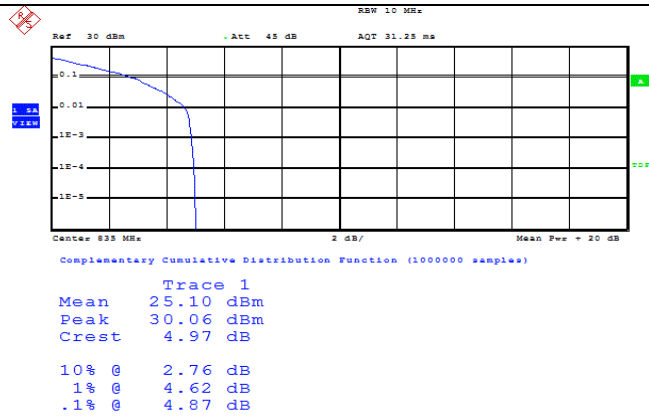
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### Band19-5MHz-16QAM-24125-25RB#0

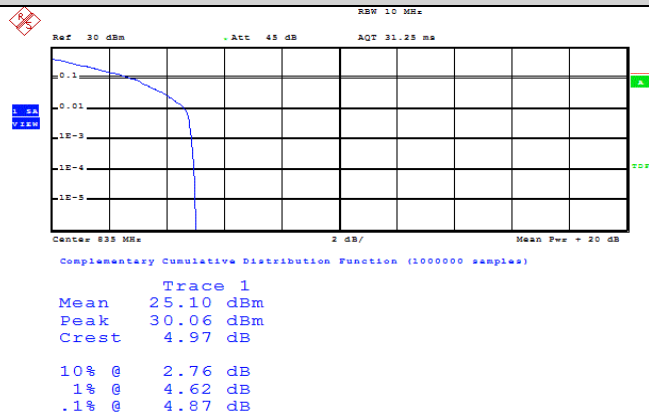


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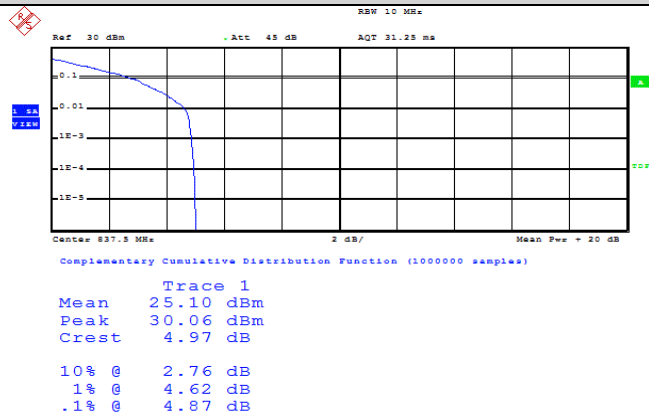
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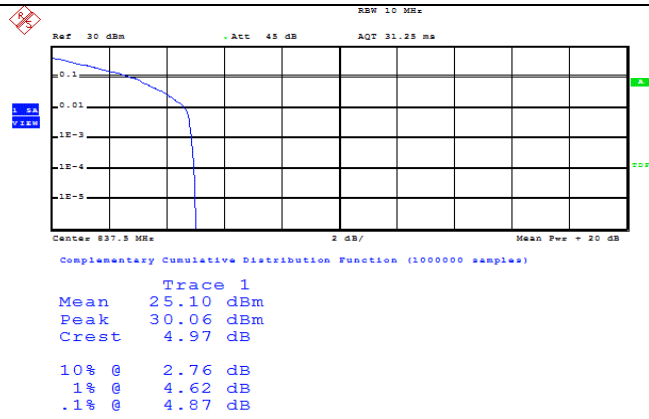
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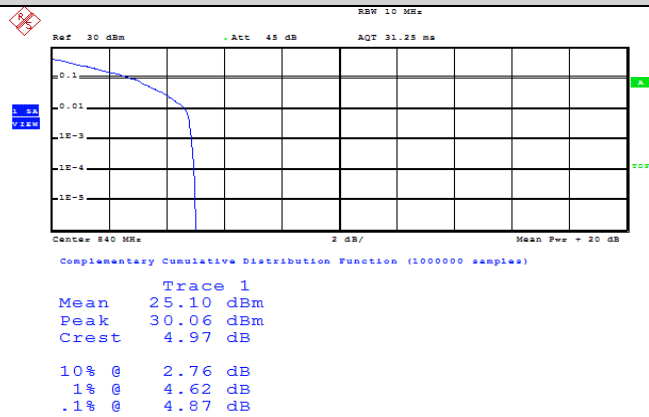
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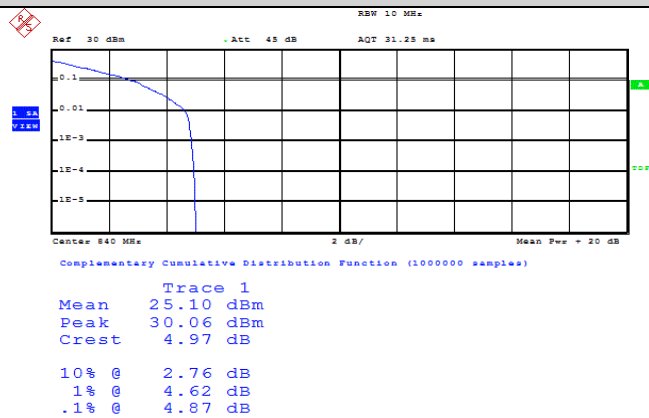
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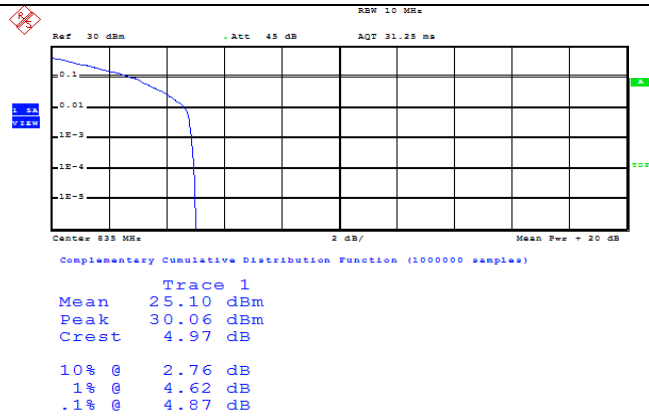
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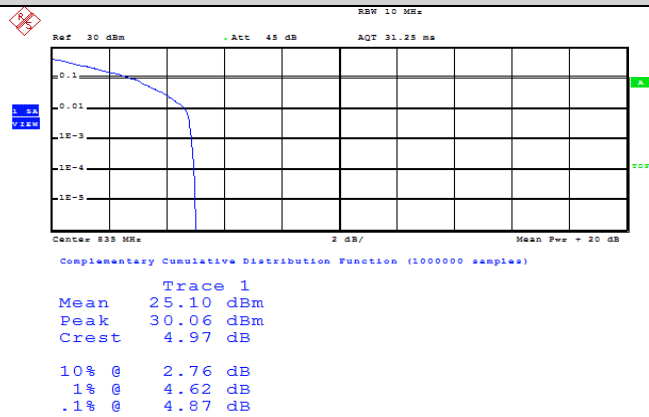
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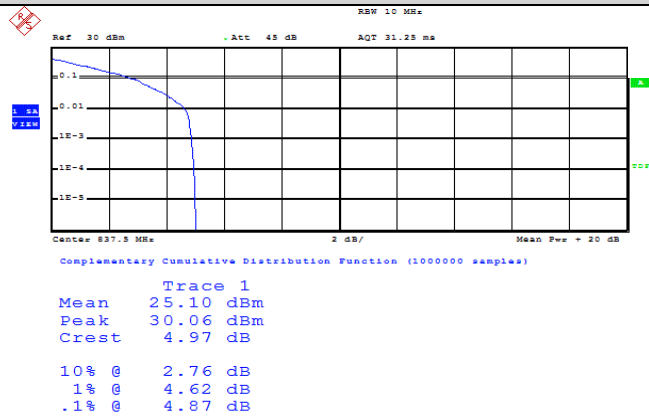
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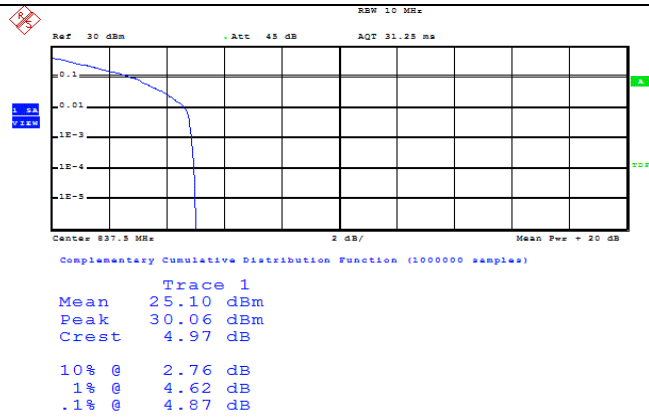
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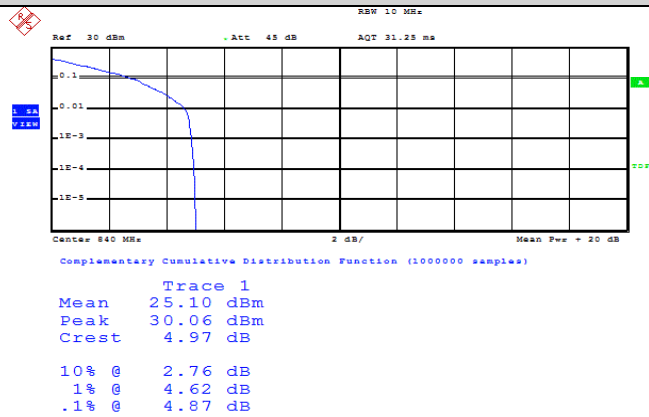


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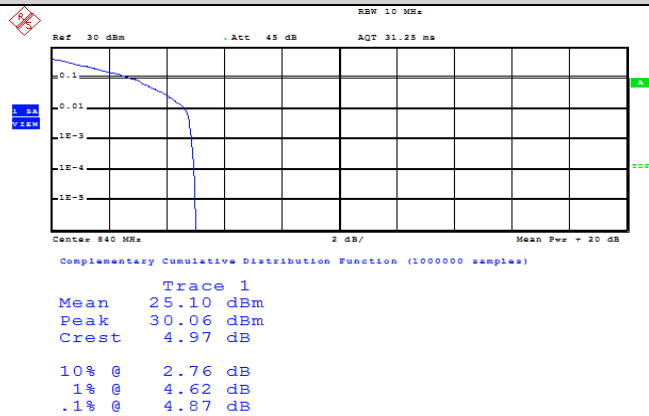
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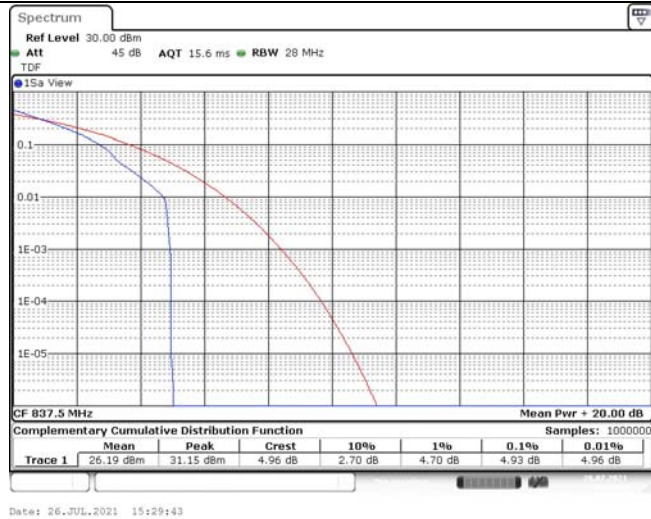
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### Band19-10MHz-16QAM-24100-50RB#0



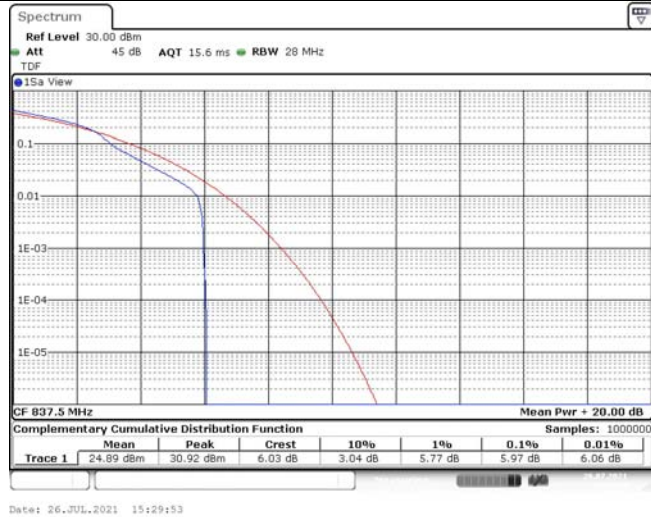
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### Band19-15MHz-QPSK-24075-75RB#0

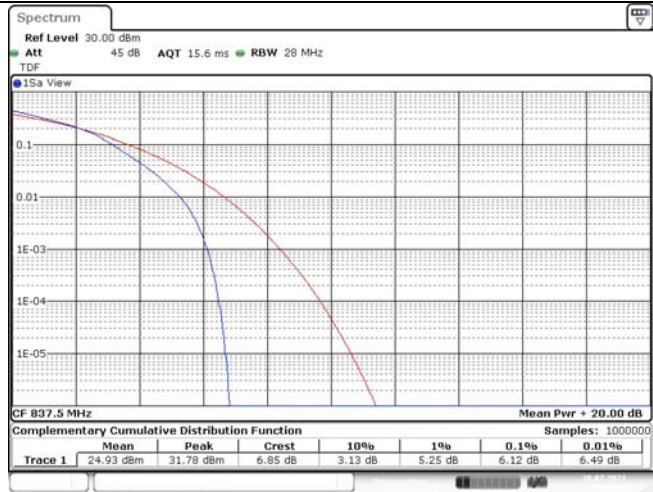


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### Band19-15MHz-16QAM-24075-75RB#0





Date: 26.JUL.2021 15:30:13



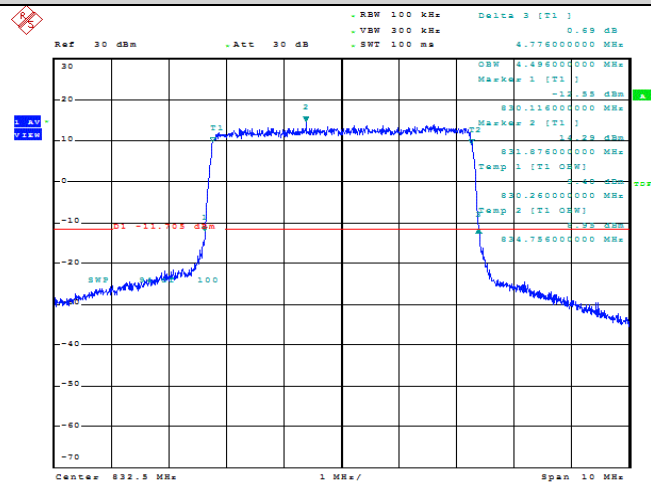
### 1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

#### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band19 | 5MHz      | QPSK       | 24025   | 25RB#0           | 4.496                    | 4.776                | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 25RB#0           | 4.504                    | 4.768                | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 25RB#0           | 4.512                    | 4.784                | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 25RB#0           | 4.504                    | 4.784                | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 25RB#0           | 4.504                    | 4.776                | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 25RB#0           | 4.512                    | 4.784                | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 50RB#0           | 9.006                    | 9.840                | PASS    |
| Band19 | 10MHz     | QPSK       | 24075   | 50RB#0           | 8.942                    | 9.615                | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 50RB#0           | 9.006                    | 9.679                | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 50RB#0           | 8.974                    | 9.647                | PASS    |
| Band19 | 10MHz     | 16QAM      | 24075   | 50RB#0           | 8.974                    | 9.615                | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 50RB#0           | 8.974                    | 9.647                | PASS    |
| Band19 | 15MHz     | QPSK       | 24075   | 75RB#0           | 13.51                    | 14.519               | PASS    |
| Band19 | 15MHz     | 16QAM      | 24075   | 75RB#0           | 13.413                   | 14.423               | PASS    |

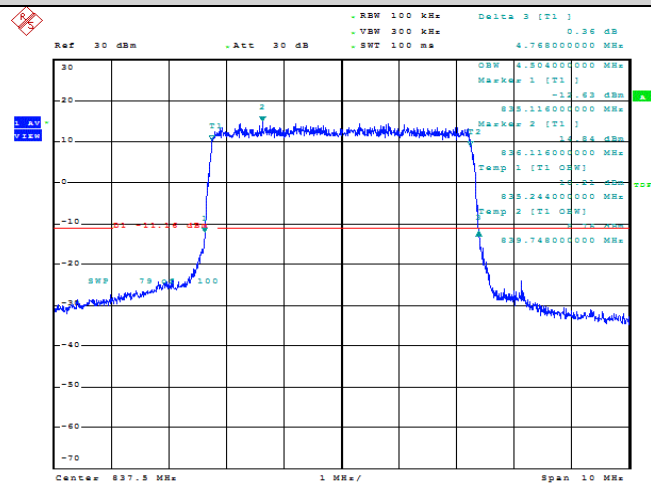
## Test Graphs

Band19-5MHz-QPSK-24025-25RB#0-4.496



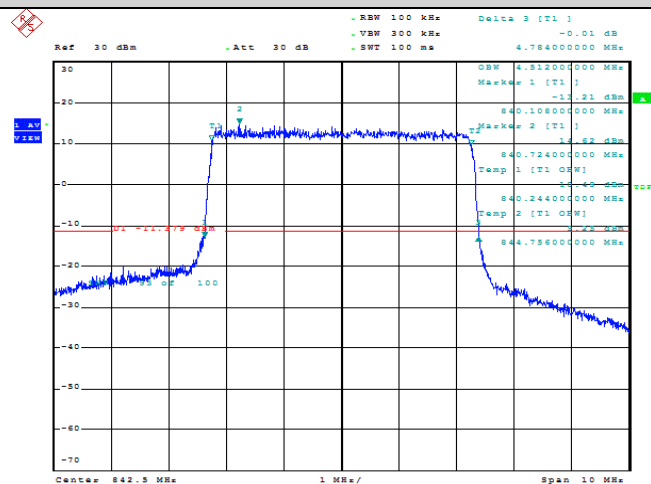
Date: 26.JUL.2021 12:02:35

Band19-5MHz-QPSK-24075-25RB#0-4.504



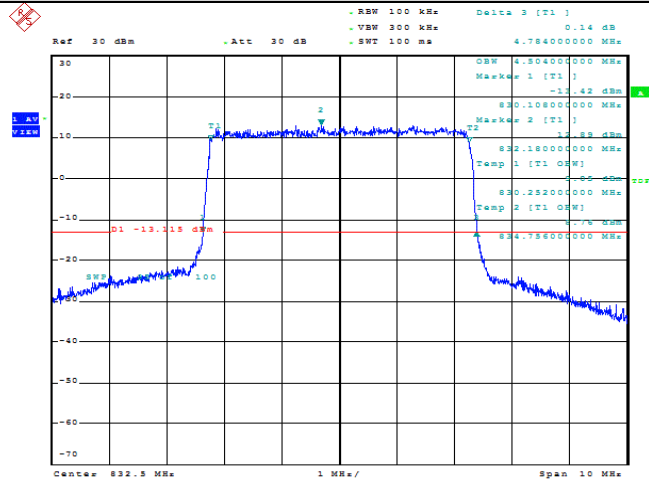
Date: 26.JUL.2021 12:03:14

Band19-5MHz-QPSK-24125-25RB#0-4.512



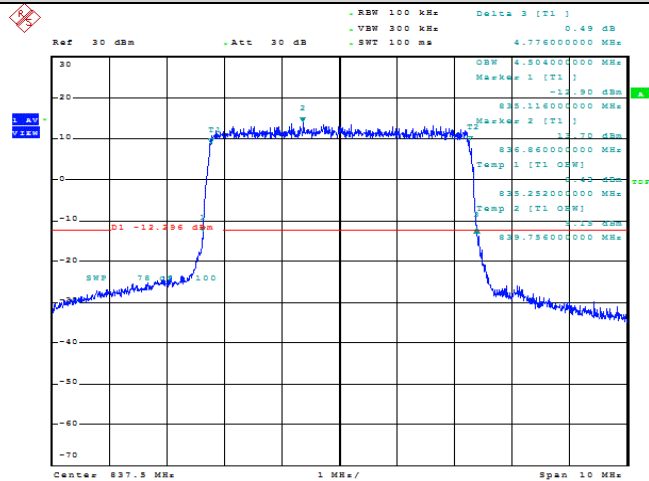
Date: 26.JUL.2021 12:03:53

### Band19-5MHz-16QAM-24025-25RB#0-4.504



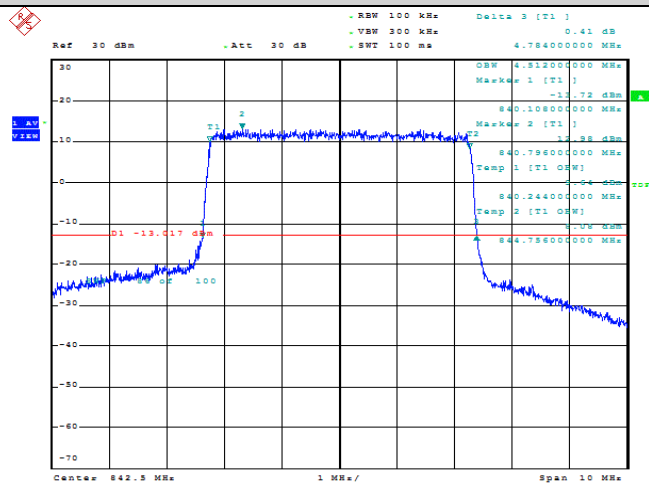
Date: 26.JUL.2021 12:02:53

### Band19-5MHz-16QAM-24075-25RB#0-4.504



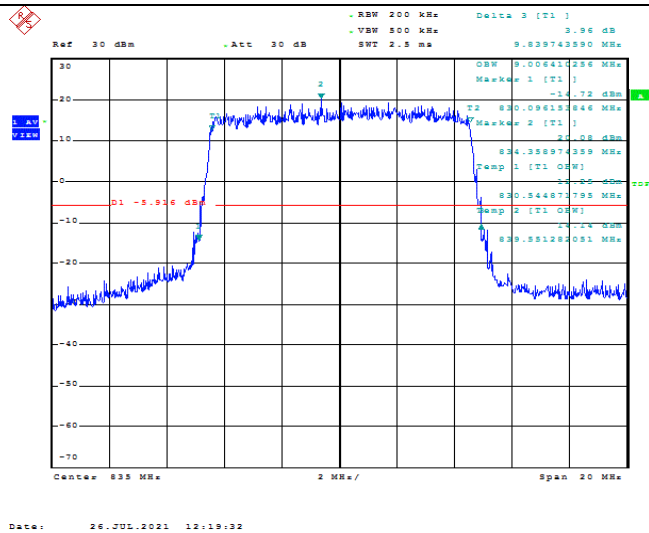
Date: 26.JUL.2021 12:03:33

### Band19-5MHz-16QAM-24125-25RB#0-4.512

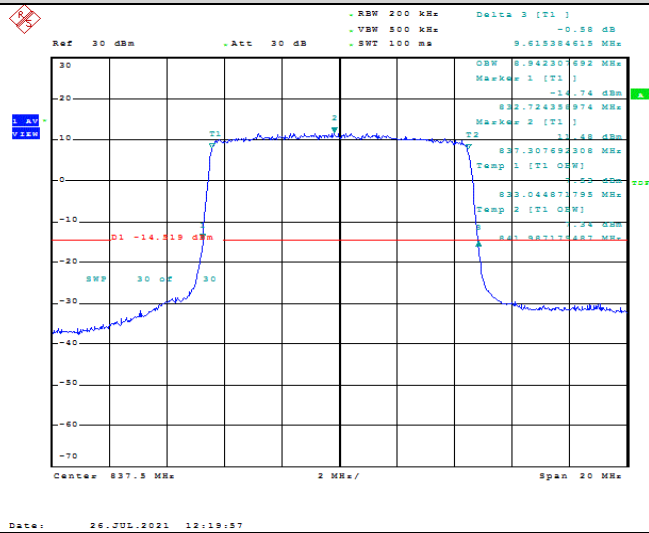


Date: 26.JUL.2021 12:04:12

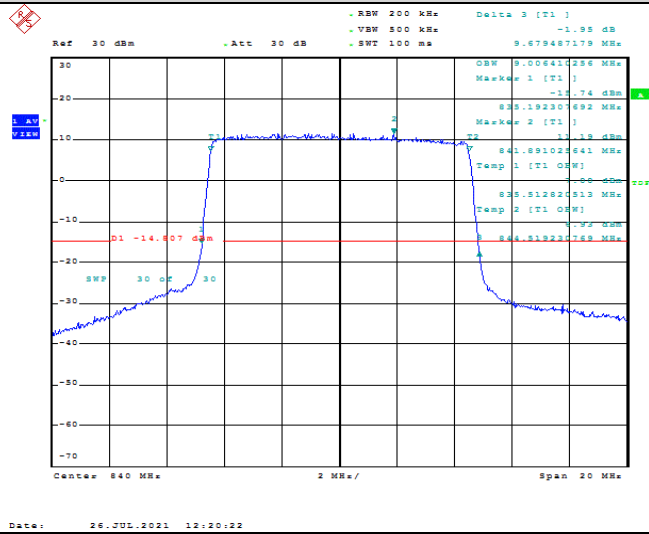
### Band19-10MHz-QPSK-24050-50RB#0-9.006



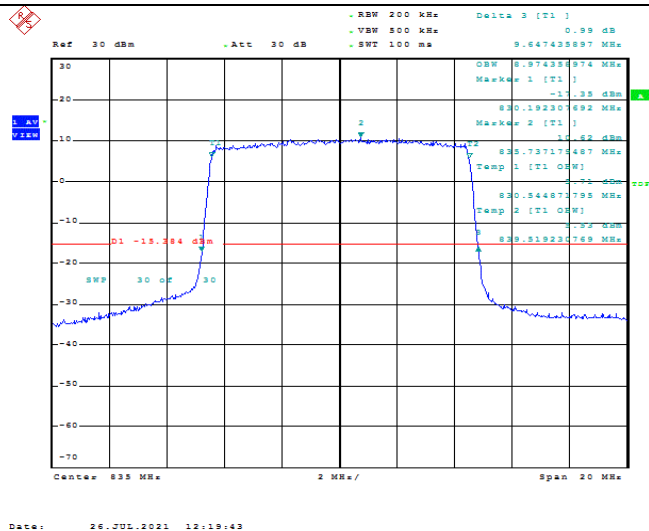
### Band19-10MHz-QPSK-24075-50RB#0-8.942



### Band19-10MHz-QPSK-24100-50RB#0-9.006

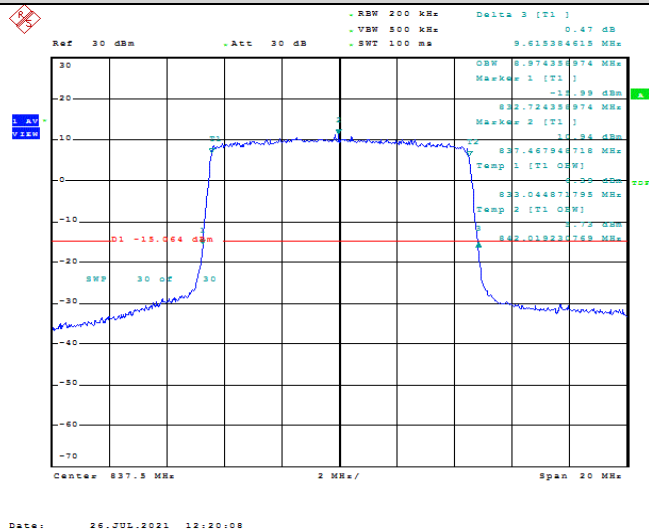


### Band19-10MHz-16QAM-24050-50RB#0-8.974



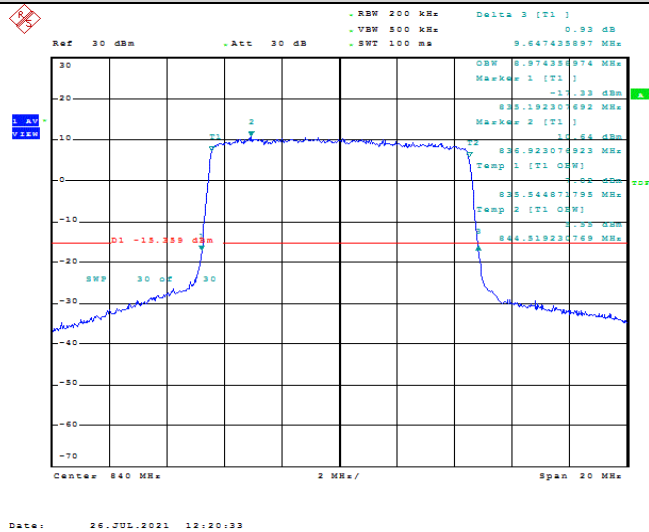
Date: 26.JUL.2021 12:19:43

### Band19-10MHz-16QAM-24075-50RB#0-8.974



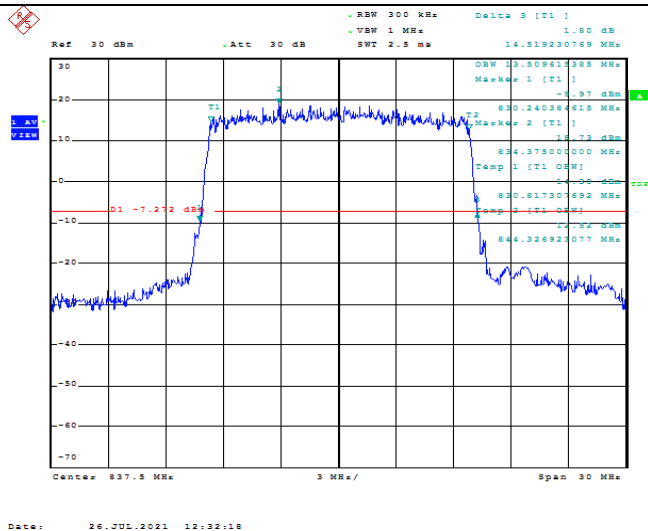
Date: 26.JUL.2021 12:20:08

### Band19-10MHz-16QAM-24100-50RB#0-8.974



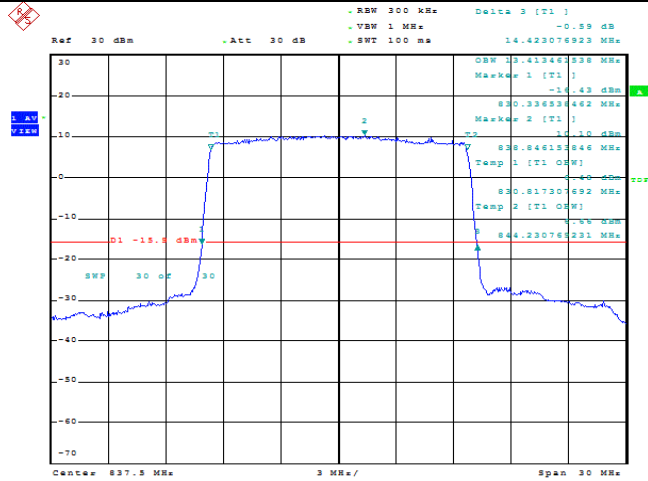
Date: 26.JUL.2021 12:20:33

### Band19-15MHz-QPSK-24075-75RB#0-13.51



Date: 26.JUL.2021 12:32:18

### Band19-15MHz-16QAM-24075-75RB#0-13.413



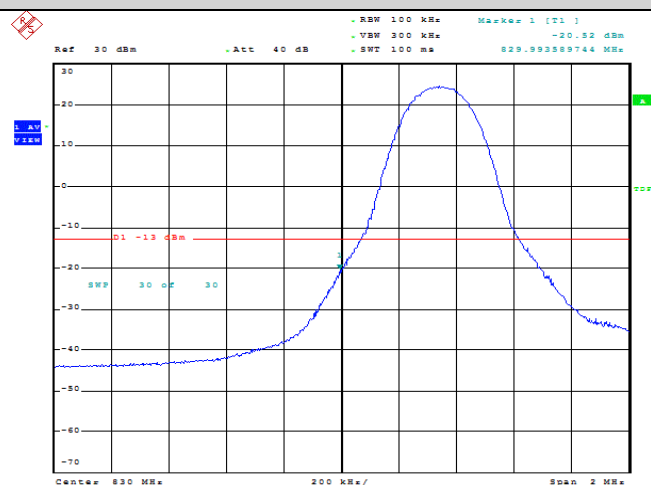
Date: 26.JUL.2021 12:32:29

## 1.4. Appendix D: Band Edge

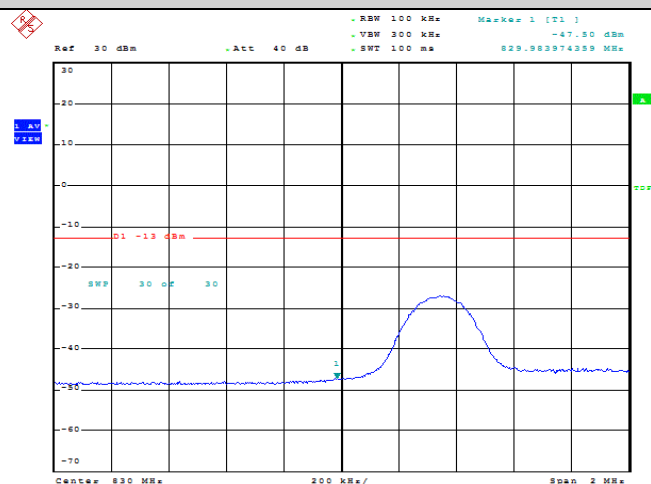
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#0            | -20.52      | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#24           | -47.50      | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 25RB#0           | -23.45      | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#0            | -46.94      | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#24           | -19.06      | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 25RB#0           | -24.93      | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#0            | -20.78      | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#24           | -47.67      | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 25RB#0           | -23.70      | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 1RB#0            | -47.21      | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 1RB#24           | -21.08      | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 25RB#0           | -25.25      | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 1RB#0            | -31.88      | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 1RB#49           | -49.43      | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 50RB#0           | -28.75      | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 1RB#0            | -49.85      | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 1RB#49           | -31.50      | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 50RB#0           | -29.59      | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 1RB#0            | -31.93      | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 1RB#49           | -50.11      | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 50RB#0           | -29.55      | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 1RB#0            | -49.94      | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 1RB#49           | -32.05      | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 50RB#0           | -30.31      | PASS    |

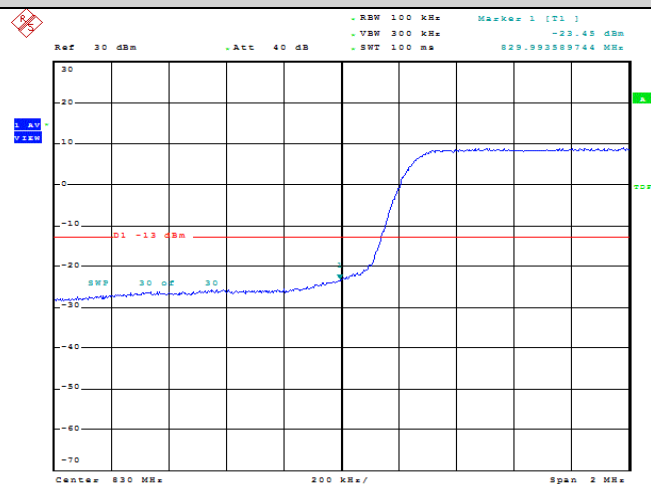
## Test Graphs



Date: 26.JUL.2021 14:39:25



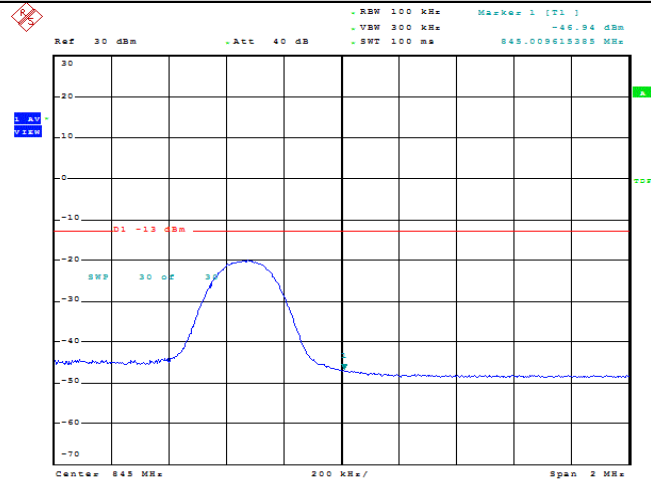
Date: 26.JUL.2021 14:39:46



Date: 26.JUL.2021 14:40:07

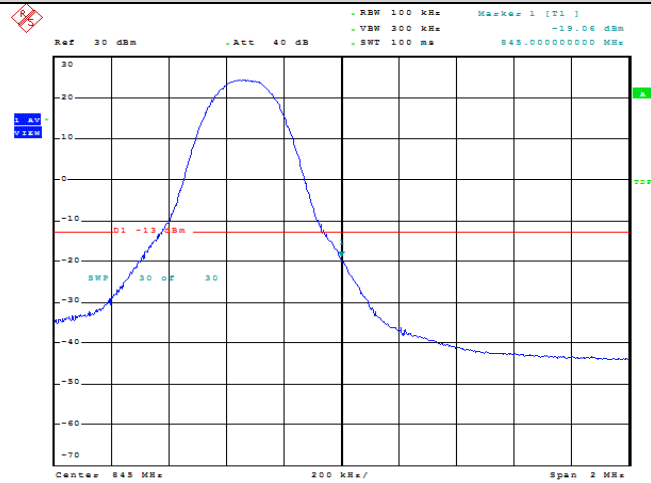


### Band19-5MHz-QPSK-24125-1RB#0



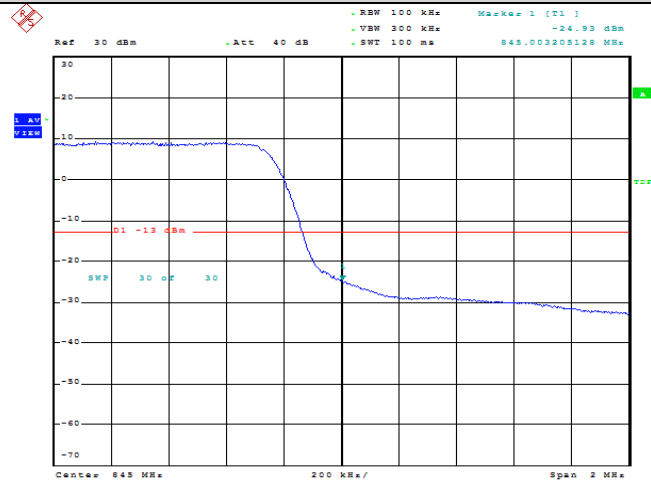
Date: 26.JUL.2021 14:40:42

### Band19-5MHz-QPSK-24125-1RB#24



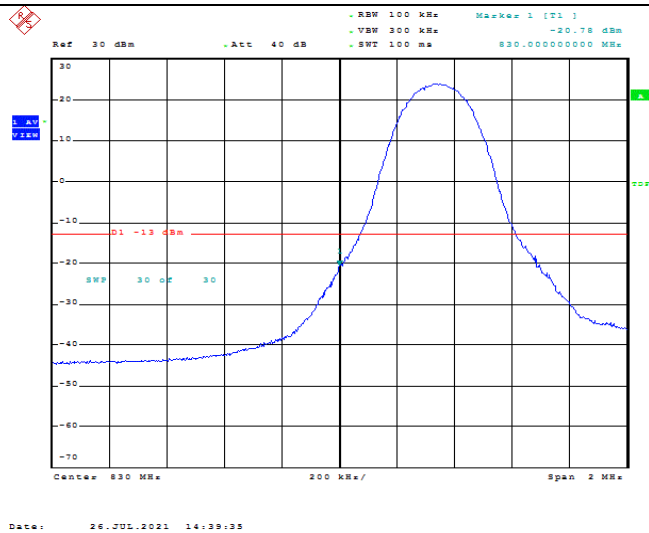
Date: 26.JUL.2021 14:41:04

### Band19-5MHz-QPSK-24125-25RB#0

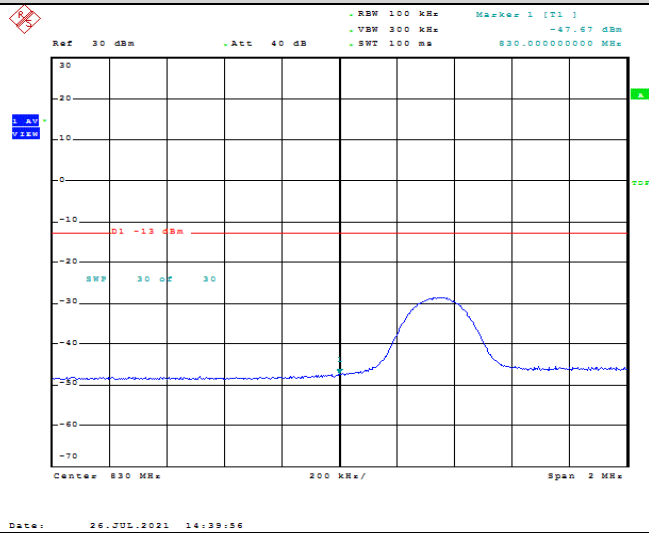


Date: 26.JUL.2021 14:41:25

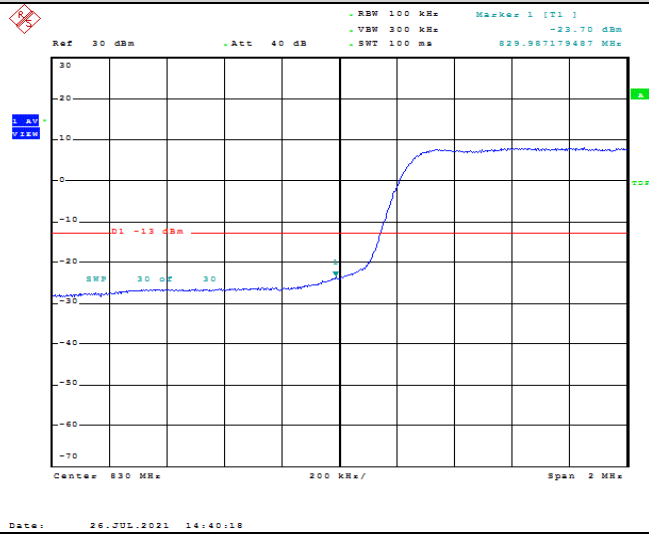
### Band19-5MHz-16QAM-24025-1RB#0



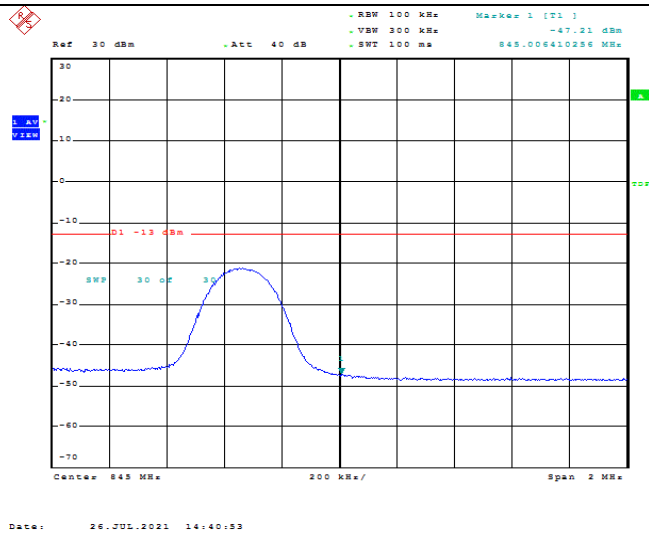
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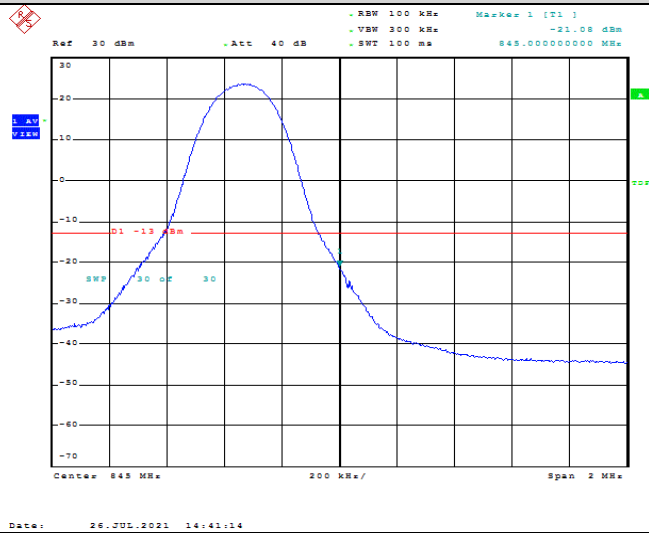
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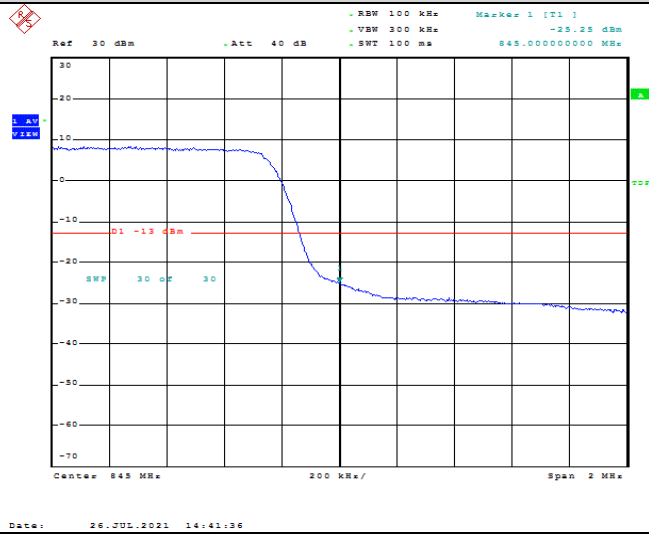
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### Band19-5MHz-16QAM-24125-1RB#24



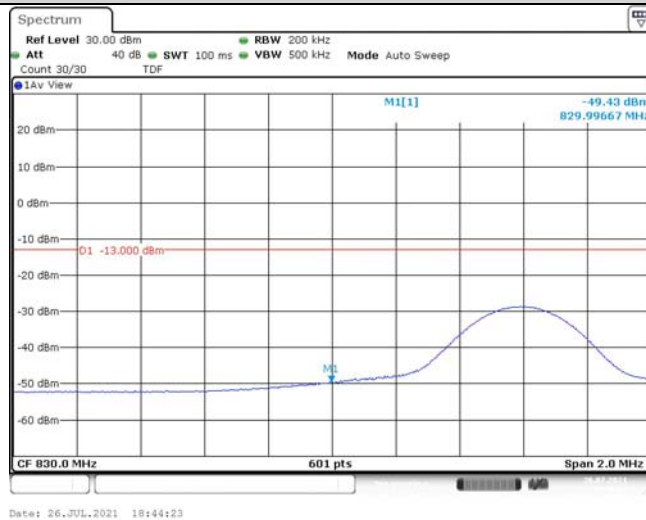
### Band19-5MHz-16QAM-24125-25RB#0



### Band19-10MHz-QPSK-24050-1RB#0



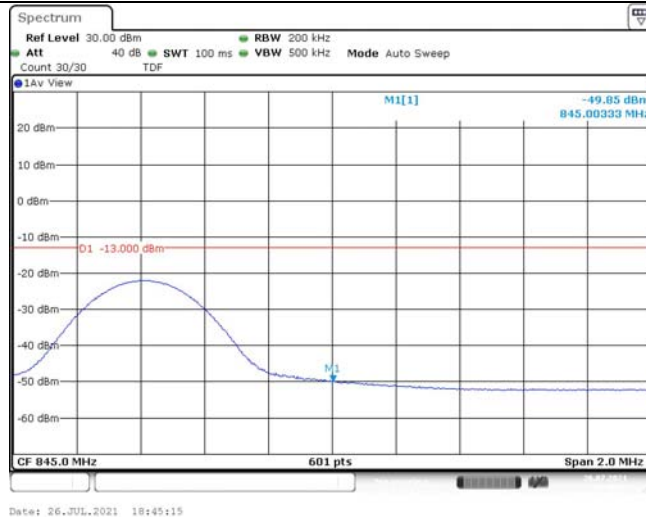
Band19-10MHz-QPSK-24050-1RB#49



Band19-10MHz-QPSK-24050-50RB#0



Band19-10MHz-QPSK-24100-1RB#0



Band19-10MHz-QPSK-24100-1RB#49



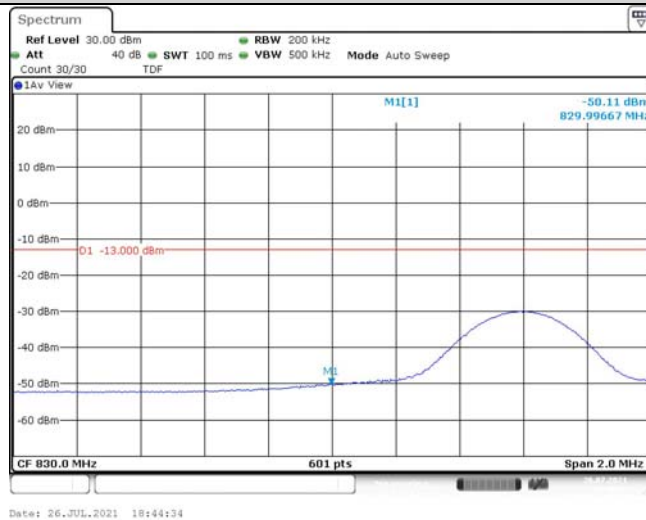
Band19-10MHz-QPSK-24100-50RB#0



Band19-10MHz-16QAM-24050-1RB#0



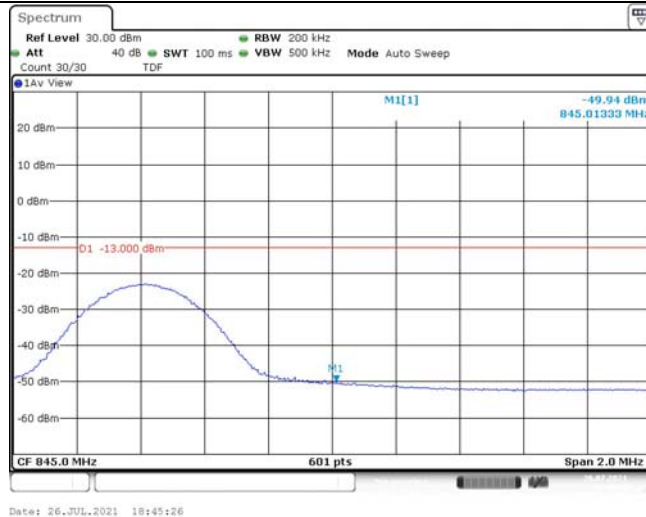
Band19-10MHz-16QAM-24050-1RB#49



Band19-10MHz-16QAM-24050-50RB#0



Band19-10MHz-16QAM-24100-1RB#0



Band19-10MHz-16QAM-24100-1RB#49



Band19-10MHz-16QAM-24100-50RB#0



## 1.5. Appendix E: Conducted Spurious Emission

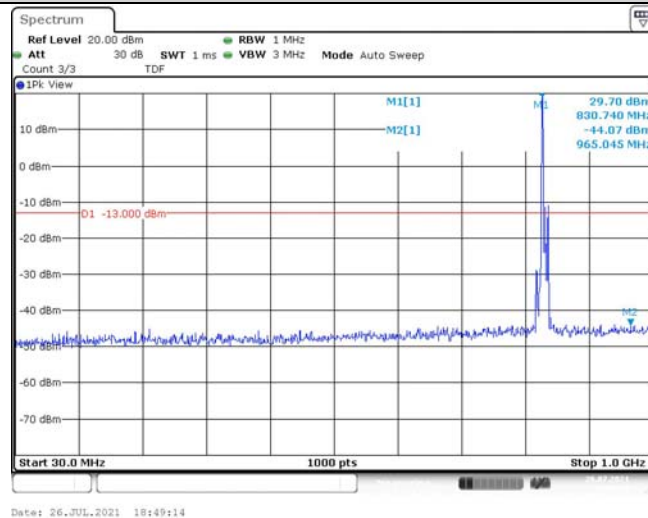
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#0            | Range1:30~1000MHz    | -44.07       | PASS    |
| Band19 | 5MHz      | QPSK       | 24025   | 1RB#0            | Range1:1000~10000MHz | -29.5        | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 1RB#0            | Range1:30~1000MHz    | -42.5        | PASS    |
| Band19 | 5MHz      | QPSK       | 24075   | 1RB#0            | Range1:1000~10000MHz | -28.82       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#0            | Range1:30~1000MHz    | -44.07       | PASS    |
| Band19 | 5MHz      | QPSK       | 24125   | 1RB#0            | Range1:1000~10000MHz | -29.21       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#0            | Range1:30~1000MHz    | -42.94       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24025   | 1RB#0            | Range1:1000~10000MHz | -31.51       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 1RB#0            | Range1:30~1000MHz    | -42.94       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24075   | 1RB#0            | Range1:1000~10000MHz | -29.4        | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 1RB#0            | Range1:30~1000MHz    | -43.42       | PASS    |
| Band19 | 5MHz      | 16QAM      | 24125   | 1RB#0            | Range1:1000~10000MHz | -25.37       | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 1RB#0            | Range1:30~1000MHz    | -43.98       | PASS    |
| Band19 | 10MHz     | QPSK       | 24050   | 1RB#0            | Range1:1000~10000MHz | -26.75       | PASS    |
| Band19 | 10MHz     | QPSK       | 24075   | 1RB#0            | Range1:30~1000MHz    | -43.91       | PASS    |
| Band19 | 10MHz     | QPSK       | 24075   | 1RB#0            | Range1:1000~10000MHz | -27.81       | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 1RB#0            | Range1:30~1000MHz    | -43.32       | PASS    |
| Band19 | 10MHz     | QPSK       | 24100   | 1RB#0            | Range1:1000~10000MHz | -28.45       | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 1RB#0            | Range1:30~1000MHz    | -43.72       | PASS    |
| Band19 | 10MHz     | 16QAM      | 24050   | 1RB#0            | Range1:1000~10000MHz | -31.15       | PASS    |
| Band19 | 10MHz     | 16QAM      | 24075   | 1RB#0            | Range1:30~1000MHz    | -43.15       | PASS    |
| Band19 | 10MHz     | 16QAM      | 24075   | 1RB#0            | Range1:1000~10000MHz | -27.73       | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 1RB#0            | Range1:30~1000MHz    | -43.37       | PASS    |
| Band19 | 10MHz     | 16QAM      | 24100   | 1RB#0            | Range1:1000~10000MHz | -28.8        | PASS    |
| Band19 | 15MHz     | QPSK       | 24075   | 1RB#0            | Range1:30~1000MHz    | -43.1        | PASS    |
| Band19 | 15MHz     | QPSK       | 24075   | 1RB#0            | Range1:1000~10000MHz | -29.7        | PASS    |
| Band19 | 15MHz     | 16QAM      | 24075   | 1RB#0            | Range1:30~1000MHz    | -43.91       | PASS    |
| Band19 | 15MHz     | 16QAM      | 24075   | 1RB#0            | Range1:1000~10000MHz | -27.91       | PASS    |

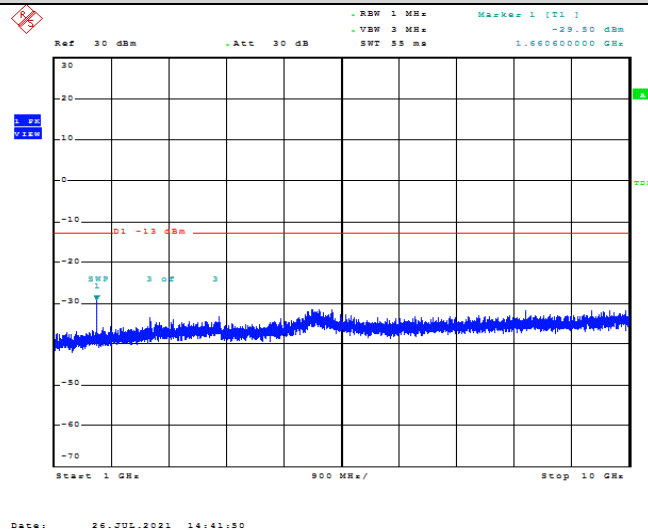


## Test Graphs

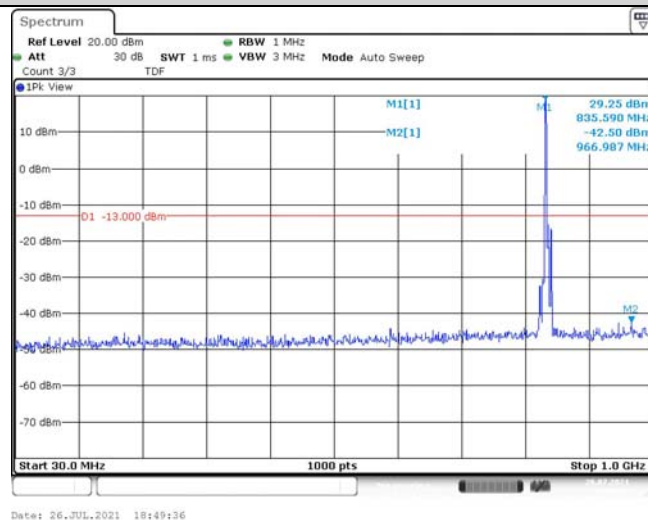
Band19-5MHz-QPSK-24025-1RB#0-Range1:30~1000MHz



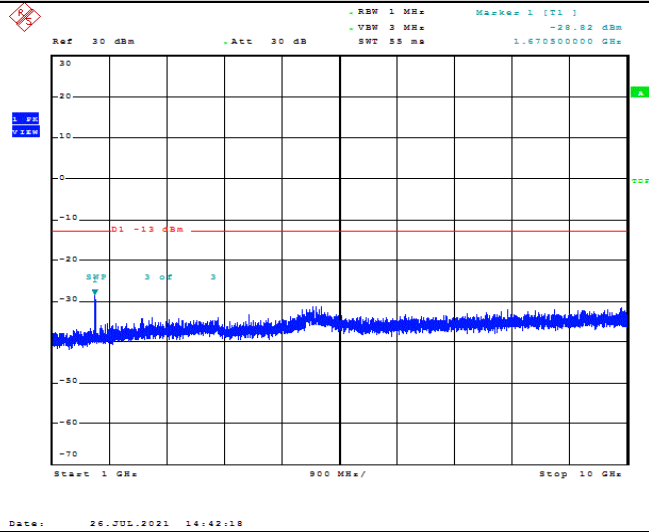
Band19-5MHz-QPSK-24025-1RB#0-Range1:1000~10000MHz



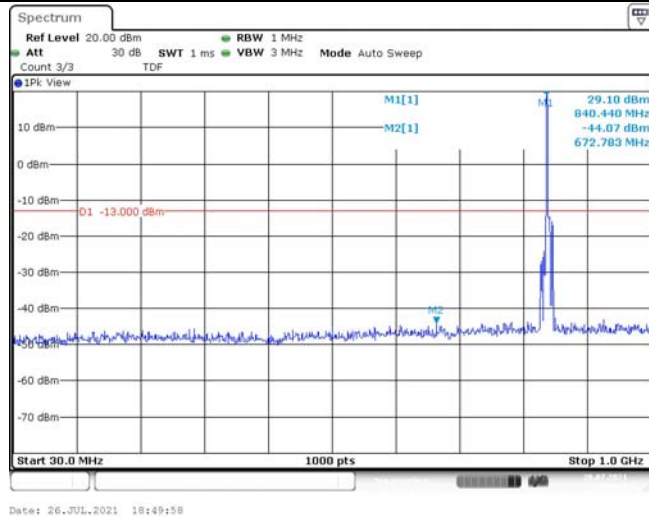
Band19-5MHz-QPSK-24075-1RB#0-Range1:30~1000MHz



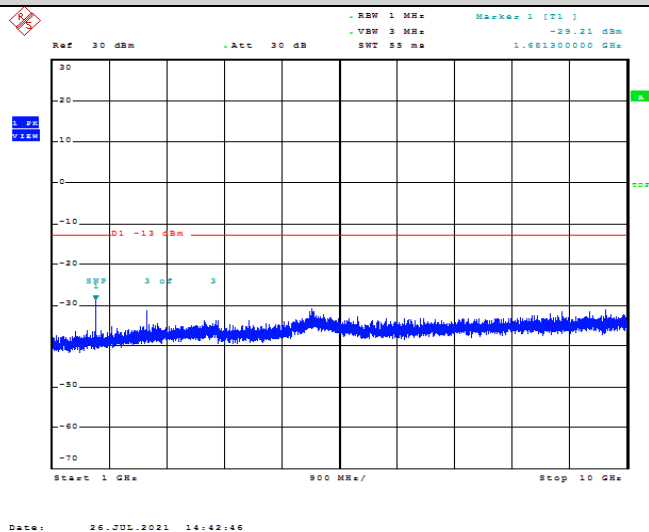
# Band19-5MHz-QPSK-24075-1RB#0-Range1:1000~10000MHz



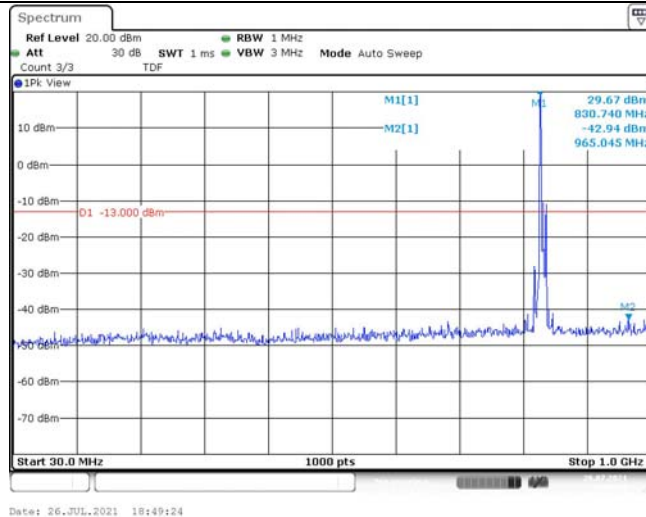
# Band19-5MHz-QPSK-24125-1RB#0-Range1:30~1000MHz



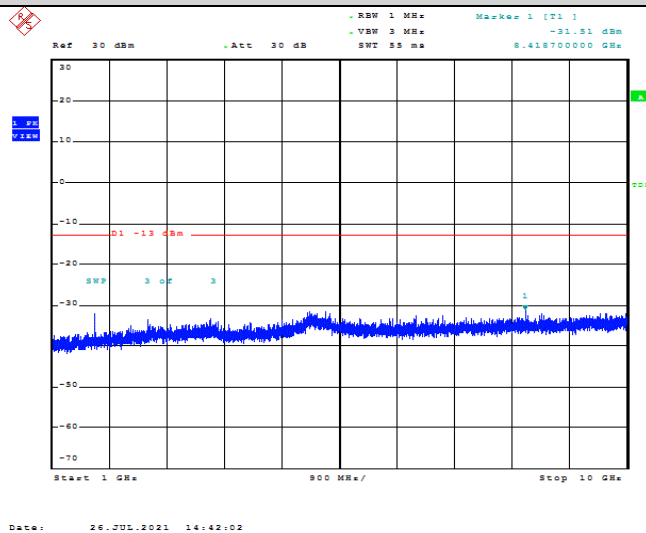
# Band19-5MHz-QPSK-24125-1RB#0-Range1:1000~10000MHz



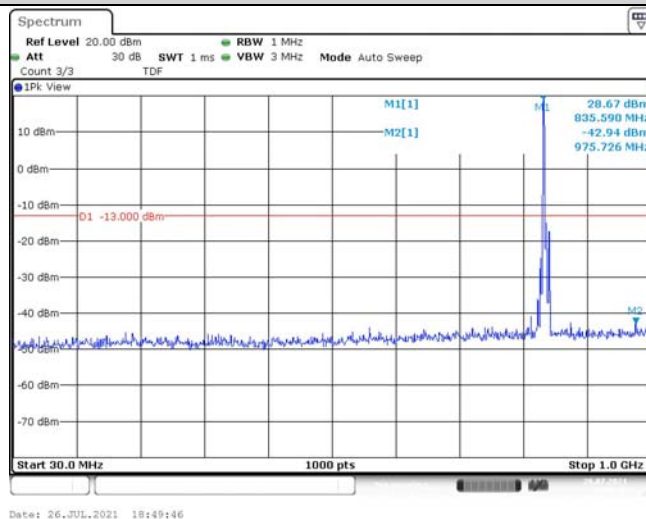
# Band19-5MHz-16QAM-24025-1RB#0-Range1:30~1000MHz



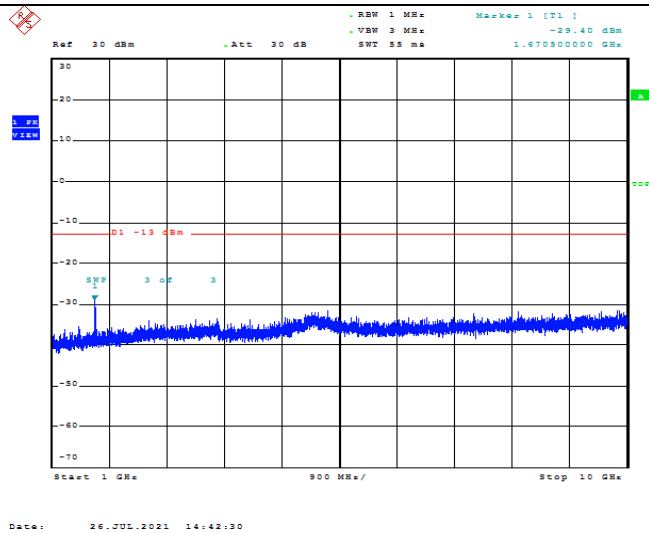
Band19-5MHz-16QAM-24025-1RB#0-Range1:1000~10000MHz



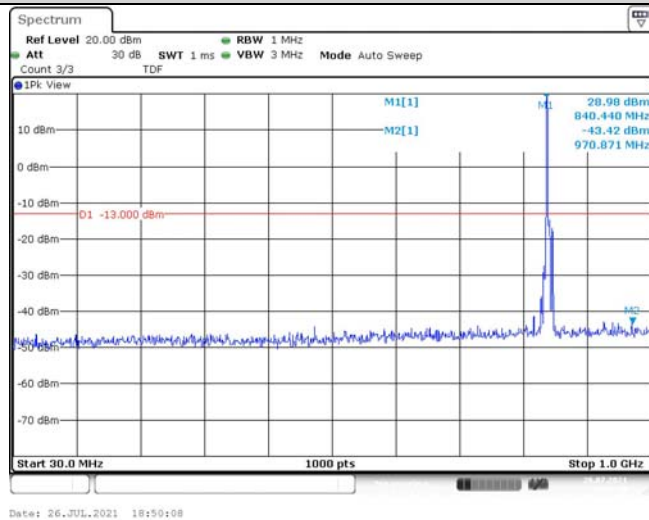
Band19-5MHz-16QAM-24075-1RB#0-Range1:30~1000MHz



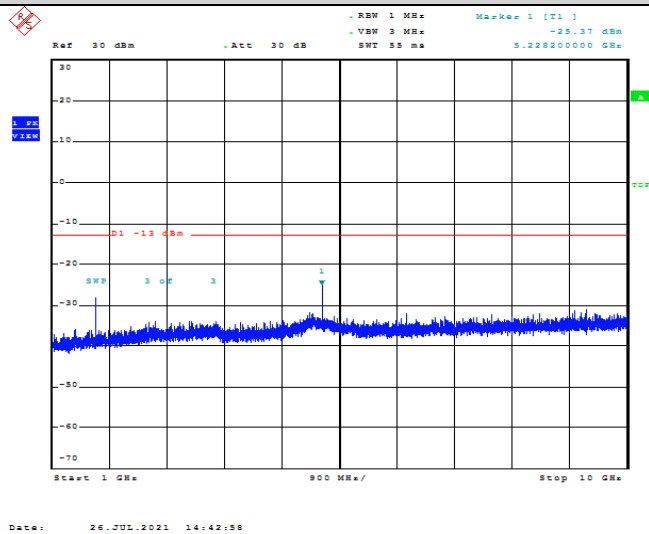
Band19-5MHz-16QAM-24075-1RB#0-Range1:1000~10000MHz



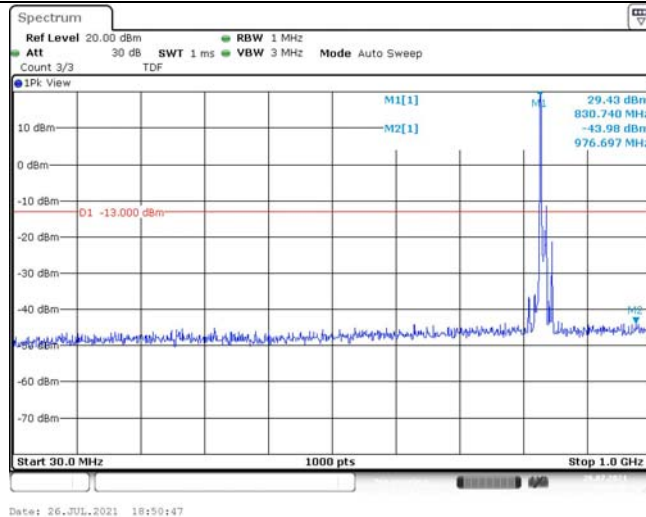
Band19-5MHz-16QAM-24125-1RB#0-Range1:30~1000MHz



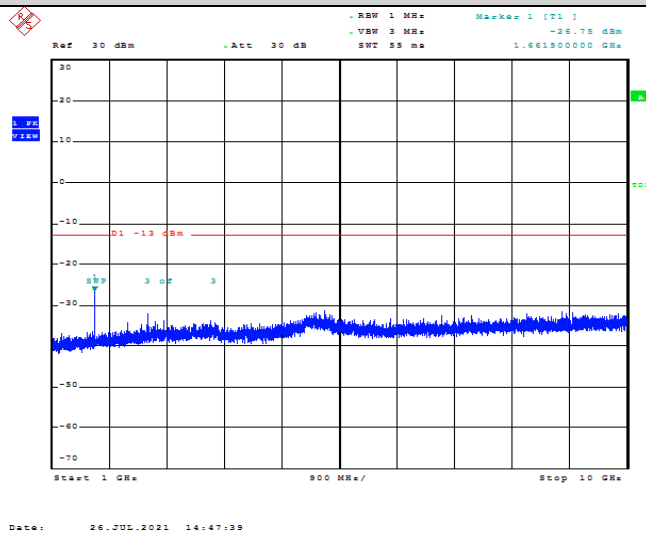
Band19-5MHz-16QAM-24125-1RB#0-Range1:1000~10000MHz



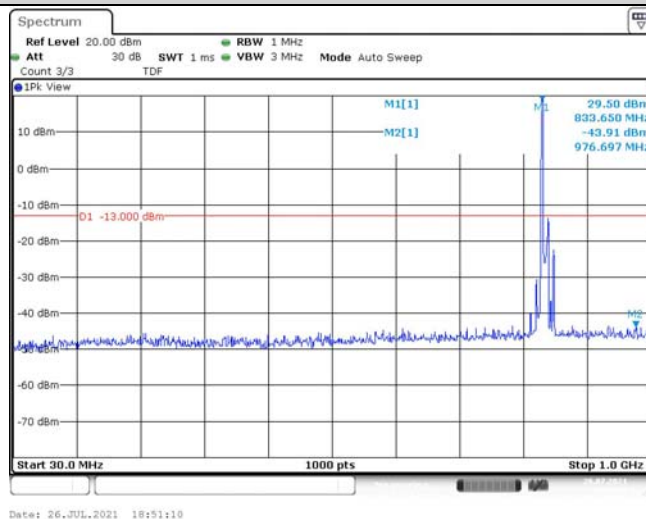
Band19-10MHz-QPSK-24050-1RB#0-Range1:30~1000MHz



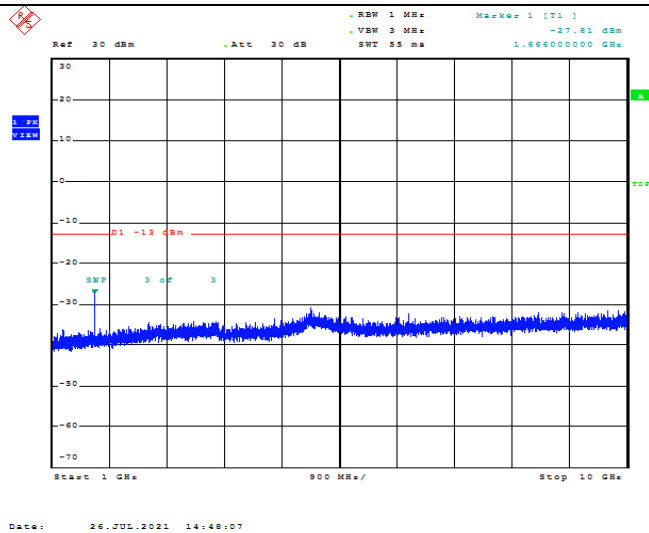
Band19-10MHz-QPSK-24050-1RB#0-Range1:1000~10000MHz



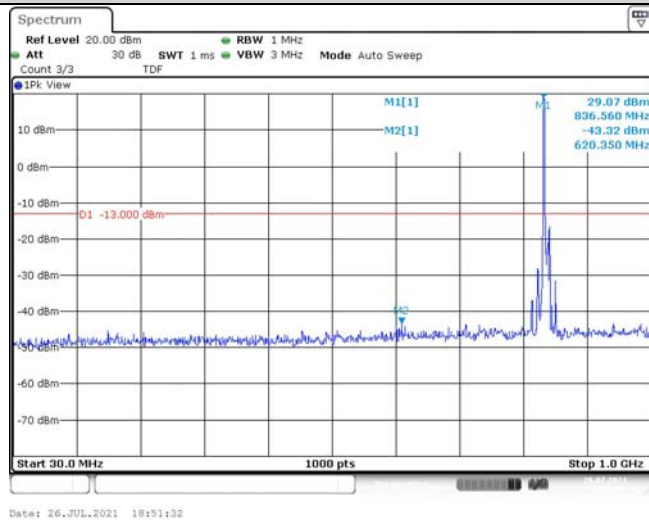
Band19-10MHz-QPSK-24075-1RB#0-Range1:30~1000MHz



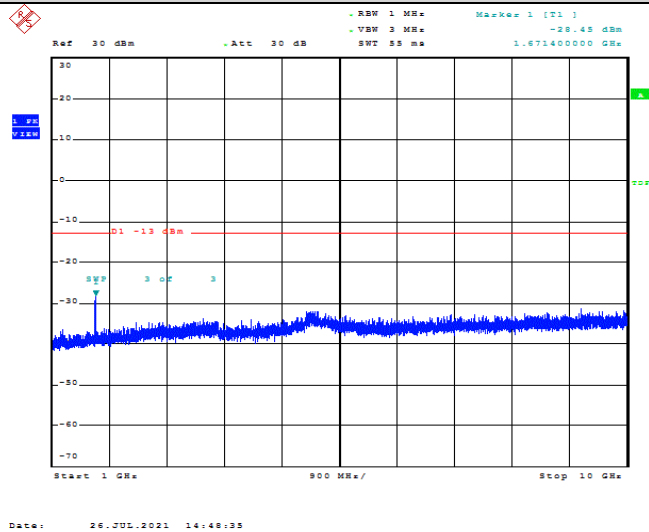
Band19-10MHz-QPSK-24075-1RB#0-Range1:1000~10000MHz



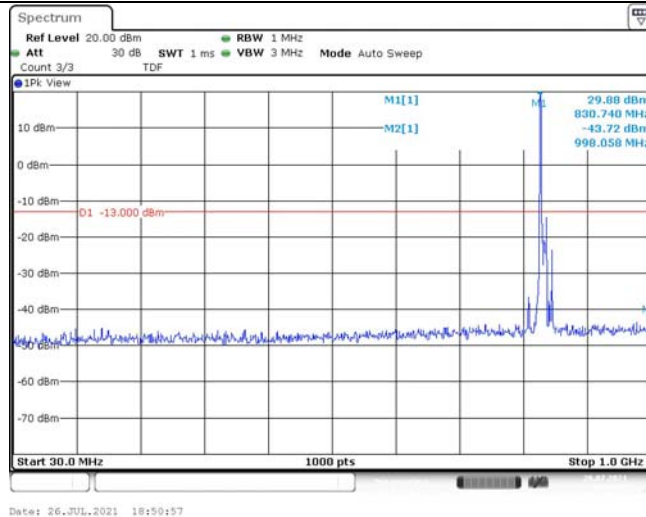
Band19-10MHz-QPSK-24100-1RB#0-Range1:30~1000MHz



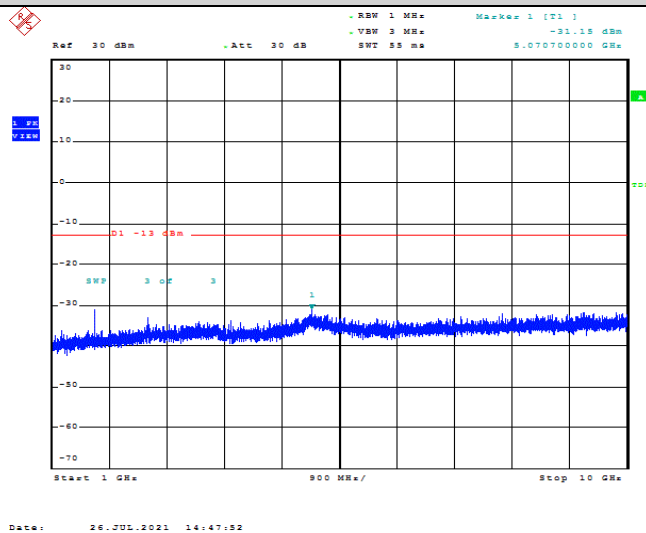
Band19-10MHz-QPSK-24100-1RB#0-Range1:1000~10000MHz



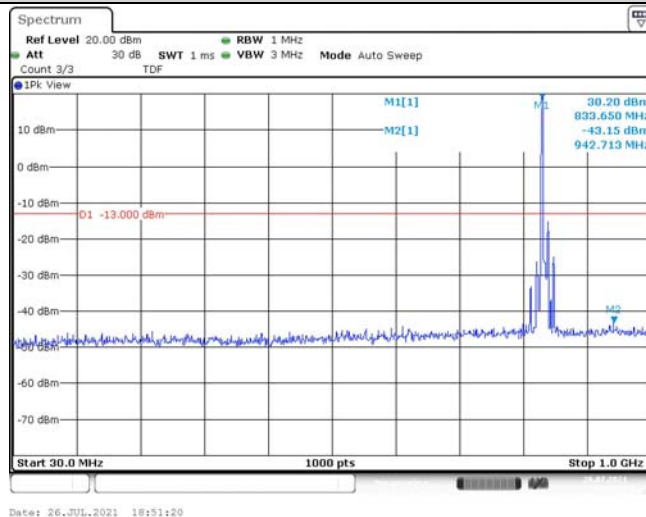
Band19-10MHz-16QAM-24050-1RB#0-Range1:30~1000MHz



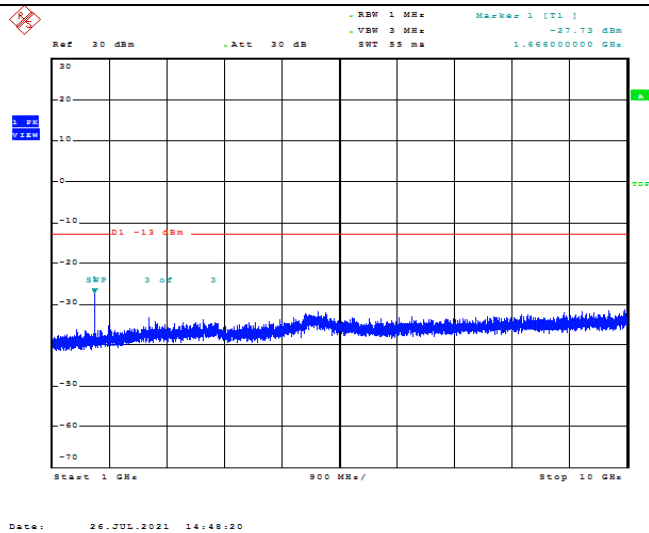
Band19-10MHz-16QAM-24050-1RB#0-Range1:1000~10000MHz



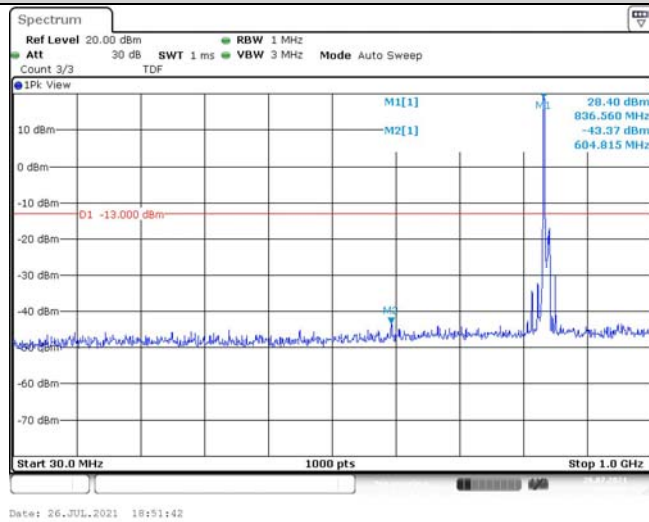
Band19-10MHz-16QAM-24075-1RB#0-Range1:30~1000MHz



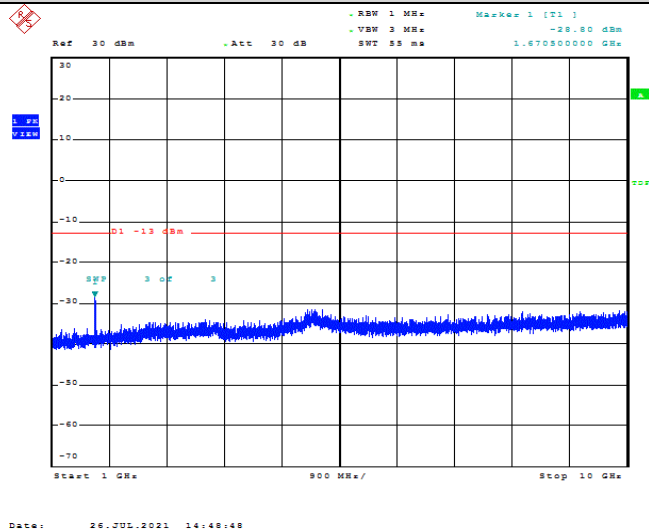
Band19-10MHz-16QAM-24075-1RB#0-Range1:1000~10000MHz



Band19-10MHz-16QAM-24100-1RB#0-Range1:30~1000MHz

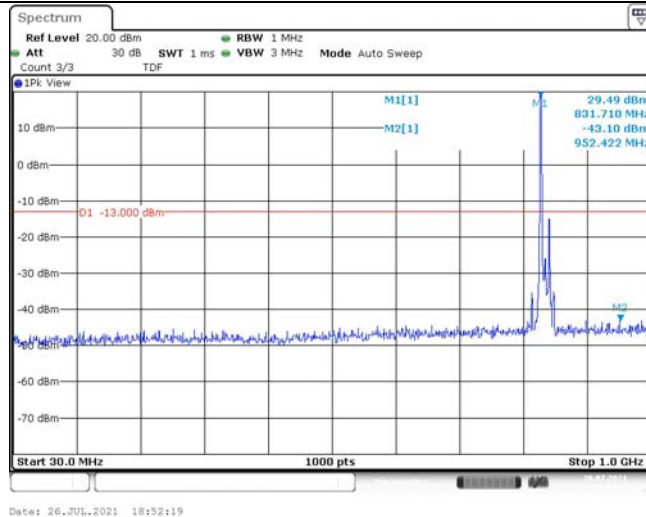


Band19-10MHz-16QAM-24100-1RB#0-Range1:1000~10000MHz

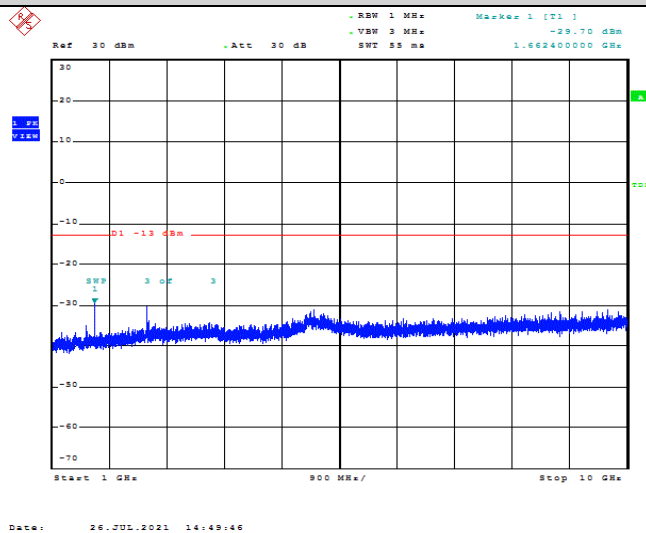


Band19-15MHz-QPSK-24075-1RB#0-Range1:30~1000MHz

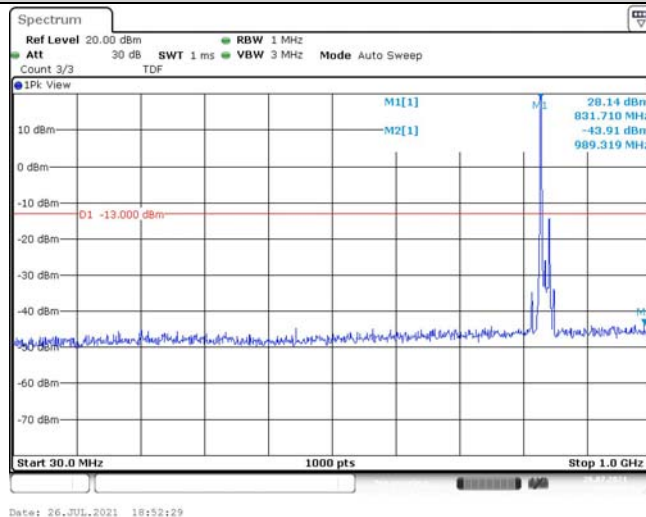




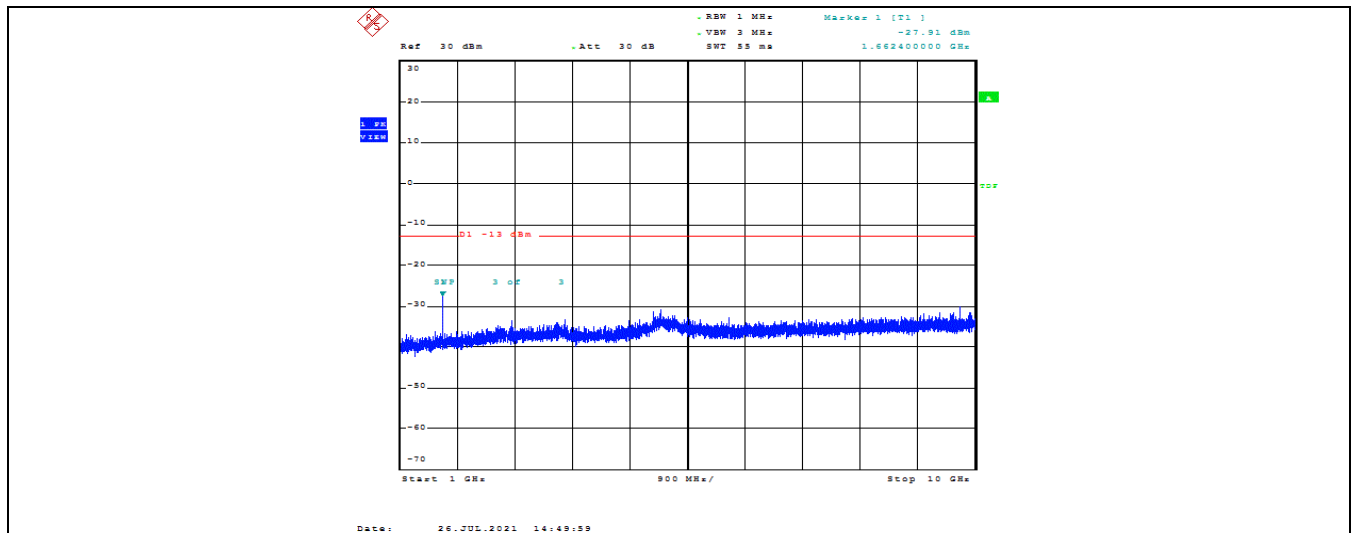
Band19-15MHz-QPSK-24075-1RB#0-Range1:1000~10000MHz



Band19-15MHz-16QAM-24075-1RB#0-Range1:30~1000MHz



Band19-15MHz-16QAM-24075-1RB#0-Range1:1000~10000MHz



## 1.6. Appendix F: Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band19  | 5MHz      | QPSK       | 24025   | 25RB#0       | VL            | NT               | -2.85          | -0.003423       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24025   | 25RB#0       | VN            | NT               | -2.32          | -0.002787       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24025   | 25RB#0       | VH            | NT               | -2.90          | -0.003483       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24075   | 25RB#0       | VL            | NT               | 2.12           | 0.002531        | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24075   | 25RB#0       | VN            | NT               | -1.47          | -0.001755       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24075   | 25RB#0       | VH            | NT               | -2.62          | -0.003128       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24125   | 25RB#0       | VL            | NT               | -1.49          | -0.001769       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24125   | 25RB#0       | VN            | NT               | -2.69          | -0.003193       | ±2.5        | PASS    |
| Band19  | 5MHz      | QPSK       | 24125   | 25RB#0       | VH            | NT               | -3.12          | -0.003703       | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24025   | 25RB#0       | VL            | NT               | -2.90          | -0.003483       | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24025   | 25RB#0       | VN            | NT               | -2.75          | -0.003303       | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24025   | 25RB#0       | VH            | NT               | -2.65          | -0.003183       | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24075   | 25RB#0       | VL            | NT               | 1.47           | 0.001755        | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24075   | 25RB#0       | VN            | NT               | 1.80           | 0.002149        | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24075   | 25RB#0       | VH            | NT               | 3.43           | 0.004096        | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24125   | 25RB#0       | VL            | NT               | 1.56           | 0.001852        | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24125   | 25RB#0       | VN            | NT               | -3.15          | -0.003739       | ±2.5        | PASS    |
| Band19  | 5MHz      | 16QAM      | 24125   | 25RB#0       | VH            | NT               | -2.46          | -0.002920       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24050   | 50RB#0       | VL            | NT               | -1.36          | -0.001629       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24050   | 50RB#0       | VN            | NT               | -1.60          | -0.001916       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24050   | 50RB#0       | VH            | NT               | -2.50          | -0.002994       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24075   | 50RB#0       | VL            | NT               | -1.56          | -0.001863       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24075   | 50RB#0       | VN            | NT               | -2.49          | -0.002973       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24075   | 50RB#0       | VH            | NT               | 2.73           | 0.003260        | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24100   | 50RB#0       | VL            | NT               | -3.78          | -0.004500       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24100   | 50RB#0       | VN            | NT               | -3.19          | -0.003798       | ±2.5        | PASS    |
| Band19  | 10MHz     | QPSK       | 24100   | 50RB#0       | VH            | NT               | -2.92          | -0.003476       | ±2.5        | PASS    |
| Band19  | 10MHz     | 16QAM      | 24050   | 50RB#0       | VL            | NT               | -2.10          | -0.002515       | ±2.5        | PASS    |
| Band19  | 10MHz     | 16QAM      | 24050   | 50RB#0       | VN            | NT               | -1.07          | -0.001281       | ±2.5        | PASS    |
| Band19  | 10MHz     | 16QAM      | 24050   | 50RB#0       | VH            | NT               | -1.75          | -0.002096       | ±2.5        | PASS    |
| Band19  | 10MHz     | 16QAM      | 24075   | 50RB#0       | VL            | NT               | 3.02           | 0.003606        | ±2.5        | PASS    |
| Band19  | 10MHz     | 16QAM      | 24075   | 50RB#0       | VN            | NT               | -0.96          | -0.001146       | ±2.5        | PASS    |

|        |       |       |       |        |    |    |       |           |      |      |
|--------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | VH | NT | -2.42 | -0.002890 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | VL | NT | -2.02 | -0.002405 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | VN | NT | -4.61 | -0.005488 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | VH | NT | -3.72 | -0.004429 | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | VL | NT | 2.63  | 0.003140  | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | VN | NT | -1.72 | -0.002054 | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | VH | NT | 2.37  | 0.002830  | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | VL | NT | -1.96 | -0.002340 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | VN | NT | 1.42  | 0.001696  | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | VH | NT | 2.75  | 0.003284  | ±2.5 | PASS |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band19      | 5MHz      | QPSK       | 24025   | 25RB#0       | NV            | 0                | -1.92          | -0.002306       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24025   | 25RB#0       | NV            | 10               | -2.55          | -0.003063       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24025   | 25RB#0       | NV            | 20               | -2.42          | -0.002907       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24025   | 25RB#0       | NV            | 30               | -2.86          | -0.003435       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24025   | 25RB#0       | NV            | 40               | -1.96          | -0.002354       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24025   | 25RB#0       | NV            | 45               | -1.32          | -0.001586       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24075   | 25RB#0       | NV            | 0                | -1.39          | -0.001660       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24075   | 25RB#0       | NV            | 10               | -1.56          | -0.001863       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24075   | 25RB#0       | NV            | 20               | -2.06          | -0.002460       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24075   | 25RB#0       | NV            | 30               | 1.95           | 0.002328        | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24075   | 25RB#0       | NV            | 40               | 2.25           | 0.002687        | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24075   | 25RB#0       | NV            | 45               | 1.96           | 0.002340        | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24125   | 25RB#0       | NV            | 0                | -2.37          | -0.002813       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24125   | 25RB#0       | NV            | 10               | -1.43          | -0.001697       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24125   | 25RB#0       | NV            | 20               | -2.37          | -0.002813       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24125   | 25RB#0       | NV            | 30               | -1.37          | -0.001626       | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24125   | 25RB#0       | NV            | 40               | 1.85           | 0.002196        | ±2.5        | PASS    |
| Band19      | 5MHz      | QPSK       | 24125   | 25RB#0       | NV            | 45               | -2.43          | -0.002884       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24025   | 25RB#0       | NV            | 0                | -2.98          | -0.003580       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24025   | 25RB#0       | NV            | 10               | -4.03          | -0.004841       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24025   | 25RB#0       | NV            | 20               | -1.59          | -0.001910       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24025   | 25RB#0       | NV            | 30               | -3.85          | -0.004625       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24025   | 25RB#0       | NV            | 40               | -3.86          | -0.004637       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24025   | 25RB#0       | NV            | 45               | -3.56          | -0.004276       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24075   | 25RB#0       | NV            | 0                | 1.10           | 0.001313        | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24075   | 25RB#0       | NV            | 10               | -1.34          | -0.001600       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24075   | 25RB#0       | NV            | 20               | -1.86          | -0.002221       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24075   | 25RB#0       | NV            | 30               | -2.53          | -0.003021       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24075   | 25RB#0       | NV            | 40               | 3.05           | 0.003642        | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24075   | 25RB#0       | NV            | 45               | 2.16           | 0.002579        | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24125   | 25RB#0       | NV            | 0                | -3.43          | -0.004071       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24125   | 25RB#0       | NV            | 10               | -2.53          | -0.003003       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24125   | 25RB#0       | NV            | 20               | 1.93           | 0.002291        | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24125   | 25RB#0       | NV            | 30               | -2.42          | -0.002872       | ±2.5        | PASS    |
| Band19      | 5MHz      | 16QAM      | 24125   | 25RB#0       | NV            | 40               | -4.43          | -0.005258       | ±2.5        | PASS    |

|        |       |       |       |        |    |    |       |           |      |      |
|--------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band19 | 5MHz  | 16QAM | 24125 | 25RB#0 | NV | 45 | 1.03  | 0.001223  | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0 | NV | 0  | -1.73 | -0.002072 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0 | NV | 10 | -2.05 | -0.002455 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0 | NV | 20 | -3.22 | -0.003856 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0 | NV | 30 | -2.53 | -0.003030 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0 | NV | 40 | -1.67 | -0.002000 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24050 | 50RB#0 | NV | 45 | -2.62 | -0.003138 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0 | NV | 0  | 2.00  | 0.002388  | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0 | NV | 10 | -2.33 | -0.002782 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0 | NV | 20 | -3.79 | -0.004525 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0 | NV | 30 | -2.00 | -0.002388 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0 | NV | 40 | 2.13  | 0.002543  | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24075 | 50RB#0 | NV | 45 | 1.60  | 0.001910  | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0 | NV | 0  | -2.89 | -0.003440 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0 | NV | 10 | -2.89 | -0.003440 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0 | NV | 20 | -3.66 | -0.004357 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0 | NV | 30 | -2.26 | -0.002690 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0 | NV | 40 | -4.05 | -0.004821 | ±2.5 | PASS |
| Band19 | 10MHz | QPSK  | 24100 | 50RB#0 | NV | 45 | -2.49 | -0.002964 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0 | NV | 0  | 1.10  | 0.001317  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0 | NV | 10 | 1.54  | 0.001844  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0 | NV | 20 | 1.34  | 0.001605  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0 | NV | 30 | -2.96 | -0.003545 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0 | NV | 40 | -3.13 | -0.003749 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24050 | 50RB#0 | NV | 45 | 2.15  | 0.002575  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | NV | 0  | -1.67 | -0.001994 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | NV | 10 | 2.78  | 0.003319  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | NV | 20 | -2.72 | -0.003248 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | NV | 30 | 1.99  | 0.002376  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | NV | 40 | -2.49 | -0.002973 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24075 | 50RB#0 | NV | 45 | 2.70  | 0.003224  | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | NV | 0  | -5.01 | -0.005964 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | NV | 10 | -2.75 | -0.003274 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | NV | 20 | -3.92 | -0.004667 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | NV | 30 | -3.63 | -0.004321 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | NV | 40 | -3.71 | -0.004417 | ±2.5 | PASS |
| Band19 | 10MHz | 16QAM | 24100 | 50RB#0 | NV | 45 | -2.96 | -0.003524 | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | NV | 0  | 1.32  | 0.001576  | ±2.5 | PASS |

|        |       |       |       |        |    |    |       |           |      |      |
|--------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | NV | 10 | -1.70 | -0.002030 | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | NV | 20 | -1.83 | -0.002185 | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | NV | 30 | -2.68 | -0.003200 | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | NV | 40 | 1.79  | 0.002137  | ±2.5 | PASS |
| Band19 | 15MHz | QPSK  | 24075 | 75RB#0 | NV | 45 | -3.25 | -0.003881 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | NV | 0  | -2.68 | -0.003200 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | NV | 10 | -3.35 | -0.004000 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | NV | 20 | -2.39 | -0.002854 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | NV | 30 | -2.65 | -0.003164 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | NV | 40 | -2.59 | -0.003093 | ±2.5 | PASS |
| Band19 | 15MHz | 16QAM | 24075 | 75RB#0 | NV | 45 | -1.79 | -0.002137 | ±2.5 | PASS |

-----END-----