

Band: 5 / Bandwidth: 3MHz / NTNV

| Modulation | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
|            |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK       | 825.5           | 1             | 0      | 23.35                 | -1.49      | 19.71     | <=38.45 | Pass    |
|            |                 |               | 7      | 23.31                 | -1.49      | 19.67     | <=38.45 | Pass    |
|            |                 |               | 14     | 23.37                 | -1.49      | 19.73     | <=38.45 | Pass    |
|            |                 | 8             | 0      | 22.41                 | -1.49      | 18.77     | <=38.45 | Pass    |
|            |                 |               | 4      | 22.44                 | -1.49      | 18.80     | <=38.45 | Pass    |
|            |                 |               | 7      | 22.39                 | -1.49      | 18.75     | <=38.45 | Pass    |
|            |                 | 15            | 0      | 22.46                 | -1.49      | 18.82     | <=38.45 | Pass    |
|            | 836.5           | 1             | 0      | 23.36                 | -1.49      | 19.72     | <=38.45 | Pass    |
|            |                 |               | 7      | 23.29                 | -1.49      | 19.65     | <=38.45 | Pass    |
|            |                 |               | 14     | 23.25                 | -1.49      | 19.61     | <=38.45 | Pass    |
|            |                 | 8             | 0      | 22.30                 | -1.49      | 18.66     | <=38.45 | Pass    |
|            |                 |               | 4      | 22.24                 | -1.49      | 18.60     | <=38.45 | Pass    |
|            |                 |               | 7      | 22.33                 | -1.49      | 18.69     | <=38.45 | Pass    |
|            |                 | 15            | 0      | 22.26                 | -1.49      | 18.62     | <=38.45 | Pass    |
|            | 847.5           | 1             | 0      | 23.13                 | -1.49      | 19.49     | <=38.45 | Pass    |
|            |                 |               | 7      | 23.11                 | -1.49      | 19.47     | <=38.45 | Pass    |
|            |                 |               | 14     | 23.14                 | -1.49      | 19.50     | <=38.45 | Pass    |
|            |                 | 8             | 0      | 21.95                 | -1.49      | 18.31     | <=38.45 | Pass    |
|            |                 |               | 4      | 21.94                 | -1.49      | 18.30     | <=38.45 | Pass    |
|            |                 |               | 7      | 21.97                 | -1.49      | 18.33     | <=38.45 | Pass    |
|            |                 | 15            | 0      | 22.08                 | -1.49      | 18.44     | <=38.45 | Pass    |
| 16QAM      | 825.5           | 1             | 0      | 23.32                 | -1.49      | 19.68     | <=38.45 | Pass    |
|            |                 |               | 7      | 23.24                 | -1.49      | 19.60     | <=38.45 | Pass    |
|            |                 |               | 14     | 23.24                 | -1.49      | 19.60     | <=38.45 | Pass    |
|            |                 | 8             | 0      | 21.71                 | -1.49      | 18.07     | <=38.45 | Pass    |
|            |                 |               | 4      | 21.72                 | -1.49      | 18.08     | <=38.45 | Pass    |
|            |                 |               | 7      | 21.72                 | -1.49      | 18.08     | <=38.45 | Pass    |
|            |                 | 15            | 0      | 21.52                 | -1.49      | 17.88     | <=38.45 | Pass    |
|            | 836.5           | 1             | 0      | 22.33                 | -1.49      | 18.69     | <=38.45 | Pass    |
|            |                 |               | 7      | 22.30                 | -1.49      | 18.66     | <=38.45 | Pass    |
|            |                 |               | 14     | 22.31                 | -1.49      | 18.67     | <=38.45 | Pass    |
|            |                 | 8             | 0      | 21.47                 | -1.49      | 17.83     | <=38.45 | Pass    |
|            |                 |               | 4      | 21.48                 | -1.49      | 17.84     | <=38.45 | Pass    |
|            |                 |               | 7      | 21.50                 | -1.49      | 17.86     | <=38.45 | Pass    |
|            |                 | 15            | 0      | 21.43                 | -1.49      | 17.79     | <=38.45 | Pass    |
|            | 847.5           | 1             | 0      | 22.97                 | -1.49      | 19.33     | <=38.45 | Pass    |
|            |                 |               | 7      | 22.97                 | -1.49      | 19.33     | <=38.45 | Pass    |
|            |                 |               | 14     | 22.94                 | -1.49      | 19.30     | <=38.45 | Pass    |
|            |                 | 8             | 0      | 21.12                 | -1.49      | 17.48     | <=38.45 | Pass    |
|            |                 |               | 4      | 21.10                 | -1.49      | 17.46     | <=38.45 | Pass    |
|            |                 |               | 7      | 21.16                 | -1.49      | 17.52     | <=38.45 | Pass    |
|            |                 | 15            | 0      | 21.04                 | -1.49      | 17.40     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.3 B5\_5MHz\_ERP

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 826.5           | 1             | 0      | 23.35                 | -1.49      | 19.71     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.23                 | -1.49      | 19.59     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.30                 | -1.49      | 19.66     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.35                 | -1.49      | 18.71     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.28                 | -1.49      | 18.64     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.37                 | -1.49      | 18.73     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.45                 | -1.49      | 18.81     | <=38.45 | Pass    |

|       |       |    |    |       |       |       |         |      |
|-------|-------|----|----|-------|-------|-------|---------|------|
| 16QAM | 836.5 | 1  | 0  | 23.32 | -1.49 | 19.68 | <=38.45 | Pass |
|       |       |    | 13 | 23.11 | -1.49 | 19.47 | <=38.45 | Pass |
|       |       |    | 24 | 23.10 | -1.49 | 19.46 | <=38.45 | Pass |
|       |       | 12 | 0  | 22.32 | -1.49 | 18.68 | <=38.45 | Pass |
|       |       |    | 6  | 22.26 | -1.49 | 18.62 | <=38.45 | Pass |
|       |       |    | 13 | 22.35 | -1.49 | 18.71 | <=38.45 | Pass |
|       |       | 25 | 0  | 22.25 | -1.49 | 18.61 | <=38.45 | Pass |
|       | 846.5 | 1  | 0  | 23.17 | -1.49 | 19.53 | <=38.45 | Pass |
|       |       |    | 13 | 23.06 | -1.49 | 19.42 | <=38.45 | Pass |
|       |       |    | 24 | 23.03 | -1.49 | 19.39 | <=38.45 | Pass |
|       |       | 12 | 0  | 21.96 | -1.49 | 18.32 | <=38.45 | Pass |
|       |       |    | 6  | 21.92 | -1.49 | 18.28 | <=38.45 | Pass |
|       |       |    | 13 | 21.94 | -1.49 | 18.30 | <=38.45 | Pass |
|       |       | 25 | 0  | 22.06 | -1.49 | 18.42 | <=38.45 | Pass |
|       | 826.5 | 1  | 0  | 22.04 | -1.49 | 18.40 | <=38.45 | Pass |
|       |       |    | 13 | 22.03 | -1.49 | 18.39 | <=38.45 | Pass |
|       |       |    | 24 | 22.05 | -1.49 | 18.41 | <=38.45 | Pass |
|       |       | 12 | 0  | 21.40 | -1.49 | 17.76 | <=38.45 | Pass |
|       |       |    | 6  | 21.40 | -1.49 | 17.76 | <=38.45 | Pass |
|       |       |    | 13 | 21.36 | -1.49 | 17.72 | <=38.45 | Pass |
|       |       | 25 | 0  | 21.46 | -1.49 | 17.82 | <=38.45 | Pass |
|       |       | 1  | 0  | 22.86 | -1.49 | 19.22 | <=38.45 | Pass |
|       |       |    | 13 | 22.82 | -1.49 | 19.18 | <=38.45 | Pass |
|       |       |    | 24 | 22.87 | -1.49 | 19.23 | <=38.45 | Pass |
|       |       | 12 | 0  | 21.24 | -1.49 | 17.60 | <=38.45 | Pass |
|       |       |    | 6  | 21.35 | -1.49 | 17.71 | <=38.45 | Pass |
|       |       |    | 13 | 21.32 | -1.49 | 17.68 | <=38.45 | Pass |
|       |       | 25 | 0  | 21.37 | -1.49 | 17.73 | <=38.45 | Pass |
|       |       | 1  | 0  | 22.54 | -1.49 | 18.90 | <=38.45 | Pass |
|       |       |    | 13 | 22.51 | -1.49 | 18.87 | <=38.45 | Pass |
|       |       |    | 24 | 22.44 | -1.49 | 18.80 | <=38.45 | Pass |
|       | 846.5 | 12 | 0  | 20.97 | -1.49 | 17.33 | <=38.45 | Pass |
|       |       |    | 6  | 20.94 | -1.49 | 17.30 | <=38.45 | Pass |
|       |       |    | 13 | 20.90 | -1.49 | 17.26 | <=38.45 | Pass |
|       |       | 25 | 0  | 20.98 | -1.49 | 17.34 | <=38.45 | Pass |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.4 B5\_10MHz\_ERP

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |           |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                              | 829             | 1             | 0      | 23.36                 | -1.49      | 19.72     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 23.39                 | -1.49      | 19.75     | <=38.45 | Pass    |
|                                   |                 |               | 49     | 23.40                 | -1.49      | 19.76     | <=38.45 | Pass    |
|                                   |                 | 25            | 0      | 22.35                 | -1.49      | 18.71     | <=38.45 | Pass    |
|                                   |                 |               | 13     | 22.29                 | -1.49      | 18.65     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 22.38                 | -1.49      | 18.74     | <=38.45 | Pass    |
|                                   |                 | 50            | 0      | 22.20                 | -1.49      | 18.56     | <=38.45 | Pass    |
|                                   | 836.5           | 1             | 0      | 23.36                 | -1.49      | 19.72     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 23.19                 | -1.49      | 19.55     | <=38.45 | Pass    |
|                                   |                 |               | 49     | 23.05                 | -1.49      | 19.41     | <=38.45 | Pass    |
|                                   |                 | 25            | 0      | 22.35                 | -1.49      | 18.71     | <=38.45 | Pass    |
|                                   |                 |               | 13     | 22.21                 | -1.49      | 18.57     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 22.17                 | -1.49      | 18.53     | <=38.45 | Pass    |
|                                   |                 | 50            | 0      | 22.37                 | -1.49      | 18.73     | <=38.45 | Pass    |
|                                   | 844             | 1             | 0      | 23.11                 | -1.49      | 19.47     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 22.98                 | -1.49      | 19.34     | <=38.45 | Pass    |

|       |       |    |    |       |       |       |         |      |
|-------|-------|----|----|-------|-------|-------|---------|------|
| 16QAM | 829   | 25 | 49 | 22.93 | -1.49 | 19.29 | <=38.45 | Pass |
|       |       |    | 0  | 22.11 | -1.49 | 18.47 | <=38.45 | Pass |
|       |       |    | 13 | 22.01 | -1.49 | 18.37 | <=38.45 | Pass |
|       |       |    | 25 | 21.94 | -1.49 | 18.30 | <=38.45 | Pass |
|       |       | 50 | 0  | 22.02 | -1.49 | 18.38 | <=38.45 | Pass |
|       | 836.5 | 1  | 0  | 23.39 | -1.49 | 19.75 | <=38.45 | Pass |
|       |       |    | 25 | 23.26 | -1.49 | 19.62 | <=38.45 | Pass |
|       |       |    | 49 | 23.26 | -1.49 | 19.62 | <=38.45 | Pass |
|       |       | 25 | 0  | 21.41 | -1.49 | 17.77 | <=38.45 | Pass |
|       |       |    | 13 | 21.32 | -1.49 | 17.68 | <=38.45 | Pass |
|       |       |    | 25 | 21.40 | -1.49 | 17.76 | <=38.45 | Pass |
|       |       | 50 | 0  | 21.34 | -1.49 | 17.70 | <=38.45 | Pass |
|       |       | 1  | 0  | 22.71 | -1.49 | 19.07 | <=38.45 | Pass |
|       |       |    | 25 | 22.56 | -1.49 | 18.92 | <=38.45 | Pass |
|       |       |    | 49 | 22.49 | -1.49 | 18.85 | <=38.45 | Pass |
|       |       | 25 | 0  | 21.37 | -1.49 | 17.73 | <=38.45 | Pass |
|       |       |    | 13 | 21.46 | -1.49 | 17.82 | <=38.45 | Pass |
|       |       |    | 25 | 21.42 | -1.49 | 17.78 | <=38.45 | Pass |
|       | 844   | 1  | 0  | 21.37 | -1.49 | 17.73 | <=38.45 | Pass |
|       |       |    | 0  | 23.40 | -1.49 | 19.76 | <=38.45 | Pass |
|       |       |    | 25 | 23.32 | -1.49 | 19.68 | <=38.45 | Pass |
|       |       | 25 | 49 | 23.16 | -1.49 | 19.52 | <=38.45 | Pass |
|       |       |    | 0  | 21.28 | -1.49 | 17.64 | <=38.45 | Pass |
|       |       |    | 13 | 21.09 | -1.49 | 17.45 | <=38.45 | Pass |
|       |       | 50 | 25 | 21.02 | -1.49 | 17.38 | <=38.45 | Pass |
|       |       |    | 0  | 21.10 | -1.49 | 17.46 | <=38.45 | Pass |
|       |       |    | 0  | 21.10 | -1.49 | 17.46 | <=38.45 | Pass |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 824.7           | 6             | 0      | 20         | 3.27          | 2.289            | 0.0028                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 12.903           | 0.0156                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 24.719           | 0.0300                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 34.947           | 0.0424                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 32.959           | 0.0400                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 30.713           | 0.0372                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 28.753           | 0.0349                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 22.917           | 0.0278                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 18.325           | 0.0222                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 11.759           | 0.0143                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 5.336            | 0.0065                | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.27          | -8.597           | -0.0103               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -11.287          | -0.0135               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -5.379           | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -0.343           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 1.030            | 0.0012                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 6.037            | 0.0072                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 9.170            | 0.0110                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 12.689           | 0.0152                | -2.5 to 2.5 | Pass    |

|       |       |   |   |     |      |         |         |             |      |
|-------|-------|---|---|-----|------|---------|---------|-------------|------|
|       | 848.3 | 6 | 0 | 30  | 3.85 | 14.577  | 0.0174  | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | 16.851  | 0.0201  | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | 14.791  | 0.0177  | -2.5 to 2.5 | Pass |
|       |       |   |   | 20  | 3.27 | -8.798  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -8.426  | -0.0099 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -7.324  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -1.717  | -0.0020 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | 0.615   | 0.0007  | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | 0.744   | 0.0009  | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | -4.635  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -9.255  | -0.0109 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -13.289 | -0.0157 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -18.153 | -0.0214 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -20.070 | -0.0237 | -2.5 to 2.5 | Pass |
| 16QAM | 824.7 | 6 | 0 | 20  | 3.27 | -1.159  | -0.0014 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -8.955  | -0.0109 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -13.676 | -0.0166 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -20.413 | -0.0248 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | -28.152 | -0.0341 | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | -33.746 | -0.0409 | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | -38.724 | -0.0470 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -43.402 | -0.0526 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | 2.489   | 0.0030  | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | 1.631   | 0.0020  | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -0.429  | -0.0005 | -2.5 to 2.5 | Pass |
|       | 836.5 | 6 | 0 | 20  | 3.27 | 14.877  | 0.0178  | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | 13.418  | 0.0160  | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | 18.268  | 0.0218  | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | 20.671  | 0.0247  | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | 23.890  | 0.0286  | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | 25.921  | 0.0310  | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | 29.025  | 0.0347  | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | 32.773  | 0.0392  | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | 36.850  | 0.0441  | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | 35.119  | 0.0420  | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | 37.665  | 0.0450  | -2.5 to 2.5 | Pass |
|       | 848.3 | 6 | 0 | 20  | 3.27 | -28.439 | -0.0335 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -30.584 | -0.0361 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -33.574 | -0.0396 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -37.866 | -0.0446 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | -40.855 | -0.0482 | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | -42.558 | -0.0502 | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | 4.992   | 0.0059  | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -1.431  | -0.0017 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -6.166  | -0.0073 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -5.322  | -0.0063 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -3.948  | -0.0047 | -2.5 to 2.5 | Pass |

## 2.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 825.5           | 15            | 0      | 20         | 3.27          | -9.098           | -0.0110               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -9.599           | -0.0116               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -6.323           | -0.0077               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -1.988           | -0.0024               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 1.788            | 0.0022                | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       |       |    |   | -10 | 3.85 | 3.705   | 0.0045  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 3.076   | 0.0037  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 2.303   | 0.0028  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -4.120  | -0.0050 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -6.051  | -0.0073 | -2.5 to 2.5 | Pass |
|       | 836.5 | 15 | 0 | 50  | 3.85 | -11.144 | -0.0135 | -2.5 to 2.5 | Pass |
|       |       |    |   | 20  | 3.27 | -9.198  | -0.0110 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -7.310  | -0.0087 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -1.073  | -0.0013 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -0.916  | -0.0011 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 2.675   | 0.0032  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 3.405   | 0.0041  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 6.509   | 0.0078  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 7.267   | 0.0087  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 10.529  | 0.0126  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 12.074  | 0.0144  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 11.244  | 0.0134  | -2.5 to 2.5 | Pass |
|       | 847.5 | 15 | 0 | 20  | 3.27 | -2.060  | -0.0024 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -0.329  | -0.0004 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | 4.077   | 0.0048  | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | 6.638   | 0.0078  | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 9.356   | 0.0110  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 8.798   | 0.0104  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 6.652   | 0.0078  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 4.063   | 0.0048  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 0.873   | 0.0010  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -1.101  | -0.0013 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -3.905  | -0.0046 | -2.5 to 2.5 | Pass |
| 16QAM | 825.5 | 15 | 0 | 20  | 3.27 | -16.565 | -0.0201 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -21.443 | -0.0260 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -25.334 | -0.0307 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -31.056 | -0.0376 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -32.444 | -0.0393 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -35.548 | -0.0431 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -35.849 | -0.0434 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -39.310 | -0.0476 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -38.924 | -0.0472 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -39.382 | -0.0477 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -41.528 | -0.0503 | -2.5 to 2.5 | Pass |
|       | 836.5 | 15 | 0 | 20  | 3.27 | 14.176  | 0.0169  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | 18.411  | 0.0220  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | 23.360  | 0.0279  | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | 24.648  | 0.0295  | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 29.182  | 0.0349  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 28.853  | 0.0345  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 33.360  | 0.0399  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 35.877  | 0.0429  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 39.511  | 0.0472  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 42.958  | 0.0514  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 45.891  | 0.0549  | -2.5 to 2.5 | Pass |
|       | 847.5 | 15 | 0 | 20  | 3.27 | -11.830 | -0.0140 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -10.514 | -0.0124 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -12.431 | -0.0147 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -12.789 | -0.0151 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -13.661 | -0.0161 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -16.866 | -0.0199 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -17.095 | -0.0202 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -17.095 | -0.0202 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -14.949 | -0.0176 | -2.5 to 2.5 | Pass |

|  |  |  |  |    |      |         |         |             |      |
|--|--|--|--|----|------|---------|---------|-------------|------|
|  |  |  |  | 40 | 3.85 | -12.732 | -0.0150 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -14.062 | -0.0166 | -2.5 to 2.5 | Pass |

### 2.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 826.5           | 25            | 0      | 20         | 3.27          | -1.173           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 0.587            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 2.303            | 0.0028                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 4.635            | 0.0056                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 8.755            | 0.0106                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 10.443           | 0.0126                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 8.955            | 0.0108                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 4.005            | 0.0048                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -0.587           | -0.0007               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -6.337           | -0.0077               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -10.800          | -0.0131               | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.27          | -7.482           | -0.0089               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -5.207           | -0.0062               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -2.604           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -1.774           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 2.332            | 0.0028                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 7.367            | 0.0088                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 8.583            | 0.0103                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 14.019           | 0.0168                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 16.994           | 0.0203                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 21.358           | 0.0255                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 19.770           | 0.0236                | -2.5 to 2.5 | Pass    |
|                           | 846.5           | 25            | 0      | 20         | 3.27          | -7.467           | -0.0088               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -9.284           | -0.0110               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -4.592           | -0.0054               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 1.001            | 0.0012                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 4.263            | 0.0050                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 4.249            | 0.0050                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 6.280            | 0.0074                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 7.195            | 0.0085                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 9.356            | 0.0111                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 7.639            | 0.0090                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 7.038            | 0.0083                | -2.5 to 2.5 | Pass    |
| 16QAM                     | 826.5           | 25            | 0      | 20         | 3.27          | -19.798          | -0.0240               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -27.380          | -0.0331               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -31.943          | -0.0386               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -33.975          | -0.0411               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -39.096          | -0.0473               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -41.084          | -0.0497               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -44.560          | -0.0539               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 3.176            | 0.0038                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 3.290            | 0.0040                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 1.044            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -0.300           | -0.0004               | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.27          | 24.390           | 0.0292                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 28.796           | 0.0344                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 33.517           | 0.0401                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 31.171           | 0.0373                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 35.949           | 0.0430                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 37.723           | 0.0451                | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |        |         |             |      |
|--|-------|----|---|-----|------|--------|---------|-------------|------|
|  |       |    |   | 0   | 3.85 | 39.625 | 0.0474  | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | 42.658 | 0.0510  | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | 45.791 | 0.0547  | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | 8.597  | 0.0103  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | 3.991  | 0.0048  | -2.5 to 2.5 | Pass |
|  | 846.5 | 25 | 0 | 20  | 3.27 | 5.422  | 0.0064  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | 3.977  | 0.0047  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | 4.578  | 0.0054  | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | 3.319  | 0.0039  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | 1.345  | 0.0016  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | 1.202  | 0.0014  | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -0.615 | -0.0007 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -0.730 | -0.0009 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -1.130 | -0.0013 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -3.419 | -0.0040 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -2.646 | -0.0031 | -2.5 to 2.5 | Pass |

## 2.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 829             | 50            | 0      | 20         | 3.27          | -5.379           | -0.0065               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -12.331          | -0.0149               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -6.595           | -0.0080               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 1.373            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 2.890            | 0.0035                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 1.359            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -2.604           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.877           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -8.826           | -0.0106               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -13.733          | -0.0166               | -2.5 to 2.5 | Pass    |
|                            | 836.5           | 50            | 0      | 50         | 3.85          | -20.070          | -0.0242               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 20         | 3.27          | -18.625          | -0.0223               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -14.105          | -0.0169               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.048           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 5.894            | 0.0070                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 11.802           | 0.0141                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 13.046           | 0.0156                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 16.866           | 0.0202                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 19.627           | 0.0235                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 24.033           | 0.0287                | -2.5 to 2.5 | Pass    |
|                            | 844             | 50            | 0      | 40         | 3.85          | 27.609           | 0.0330                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 28.524           | 0.0341                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 20         | 3.27          | -8.740           | -0.0104               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -8.497           | -0.0101               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -6.208           | -0.0074               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.392           | -0.0052               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.459           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -1.059           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -2.503           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.561           | -0.0030               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 829             | 50            | 0      | 20         | 3.85          | -31.185          | -0.0376               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -33.975          | -0.0410               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.27          | -26.150          | -0.0315               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -16.251          | -0.0193               | -2.5 to 2.5 | Pass    |



|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   | -30 | 3.85 | -35.405 | -0.0427 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -38.195 | -0.0461 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -42.615 | -0.0514 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -41.685 | -0.0503 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -40.183 | -0.0485 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -40.069 | -0.0483 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -41.399 | -0.0499 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -40.898 | -0.0493 | -2.5 to 2.5 | Pass |
|  | 836.5 | 50 | 0 | 20  | 3.27 | 28.539  | 0.0341  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | 30.656  | 0.0366  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | 32.301  | 0.0386  | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | 32.330  | 0.0386  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | 36.035  | 0.0431  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | 41.871  | 0.0501  | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | 41.099  | 0.0491  | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | 44.346  | 0.0530  | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -1.130  | -0.0014 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | 0.873   | 0.0010  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | 4.506   | 0.0054  | -2.5 to 2.5 | Pass |
|  | 844   | 50 | 0 | 20  | 3.27 | -20.084 | -0.0238 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -18.597 | -0.0220 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -18.368 | -0.0218 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -17.767 | -0.0211 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -16.336 | -0.0194 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -16.479 | -0.0195 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -17.238 | -0.0204 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -17.753 | -0.0210 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -15.321 | -0.0182 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -14.119 | -0.0167 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -10.629 | -0.0126 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                            |       |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       |
|                                    |                 | Size          | Offset | Result                     | Limit |
| QPSK                               | 836.5           | 6             | 0      | Refer To Test Graph        | Pass  |
| 16QAM                              | 836.5           | 6             | 0      | Refer To Test Graph        | Pass  |

##### 3.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                            |       |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       |
|                                  |                 | Size          | Offset | Result                     | Limit |
| QPSK                             | 836.5           | 15            | 0      | Refer To Test Graph        | Pass  |
| 16QAM                            | 836.5           | 15            | 0      | Refer To Test Graph        | Pass  |

##### 3.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz / NTNV |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|
|----------------------------------|--|--|--|--|--|

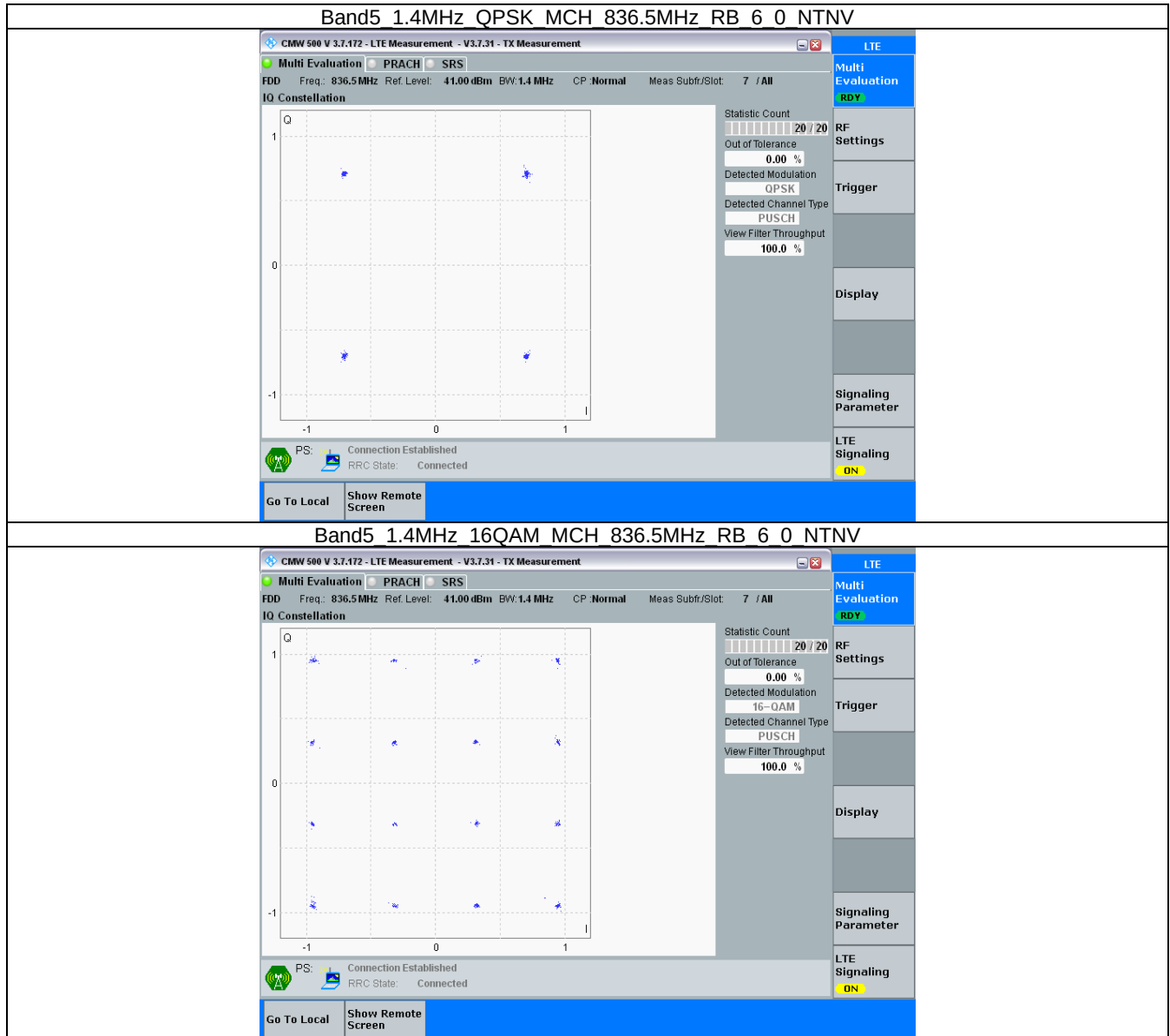
| Modulation | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|------------|-----------------|---------------|--------|----------------------------|-------|---------|
|            |                 | Size          | Offset | Result                     | Limit |         |
| QPSK       | 836.5           | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM      | 836.5           | 25            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.4 B5\_10MHz

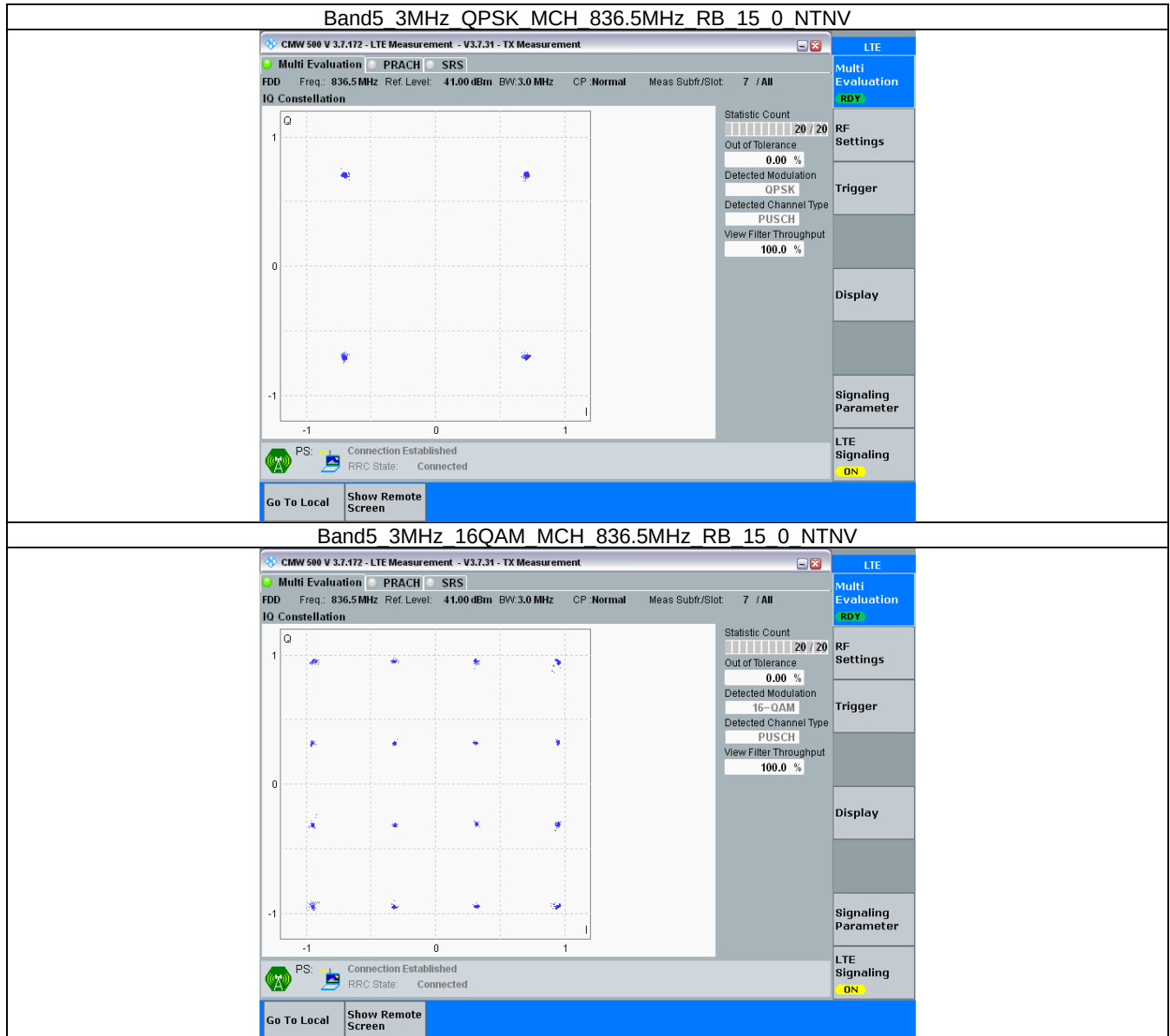
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 836.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 836.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

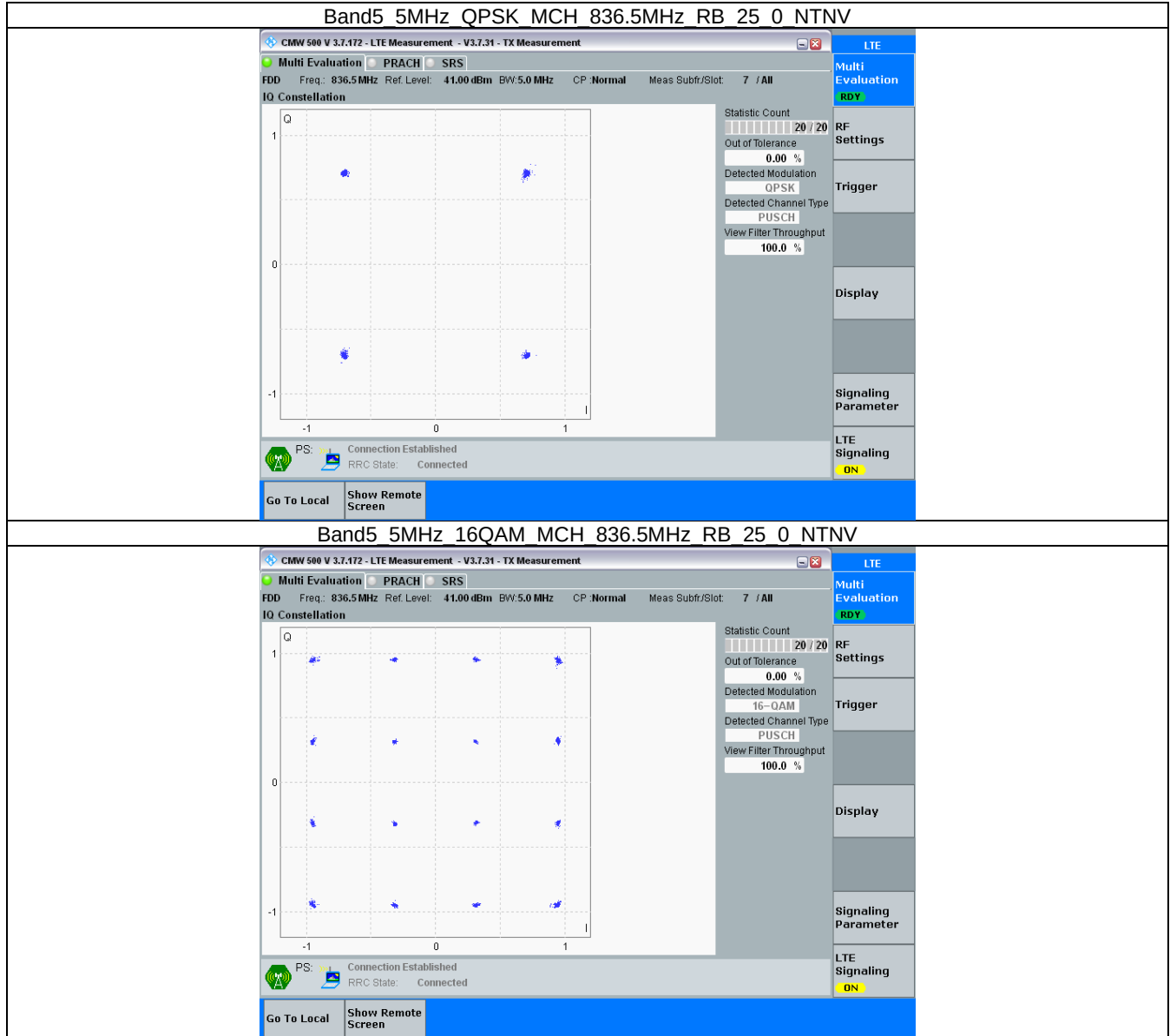
### 3.2.1 B5\_1.4MHz



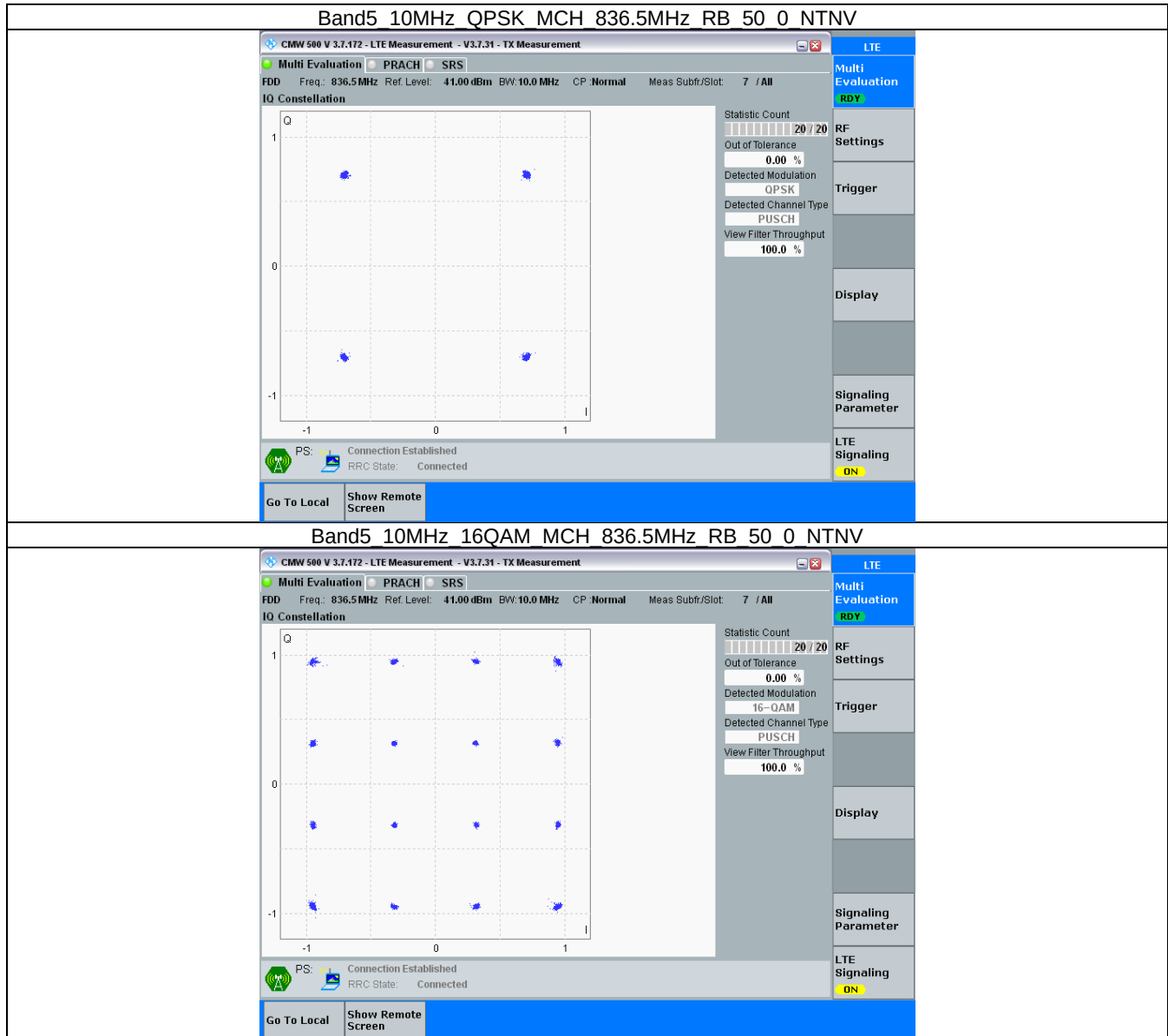
### 3.2.2 B5\_3MHz



### 3.2.3 B5\_5MHz



### 3.2.4 B5\_10MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band5\_OBW

| Band: 5 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.109                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.115                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.114                        | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.102                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.119                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.115                        | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.766                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.756                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.736                        | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.753                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.765                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.744                        | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 4.560                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.550                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.528                        | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 4.551                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.565                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.560                        | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.071                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.055                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.048                        | /     | Pass    |
|                 | 16QAM      | 829             | 50            | 0      | 9.076                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.060                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.049                        | /     | Pass    |

#### 4.1.2 Band5\_XDB

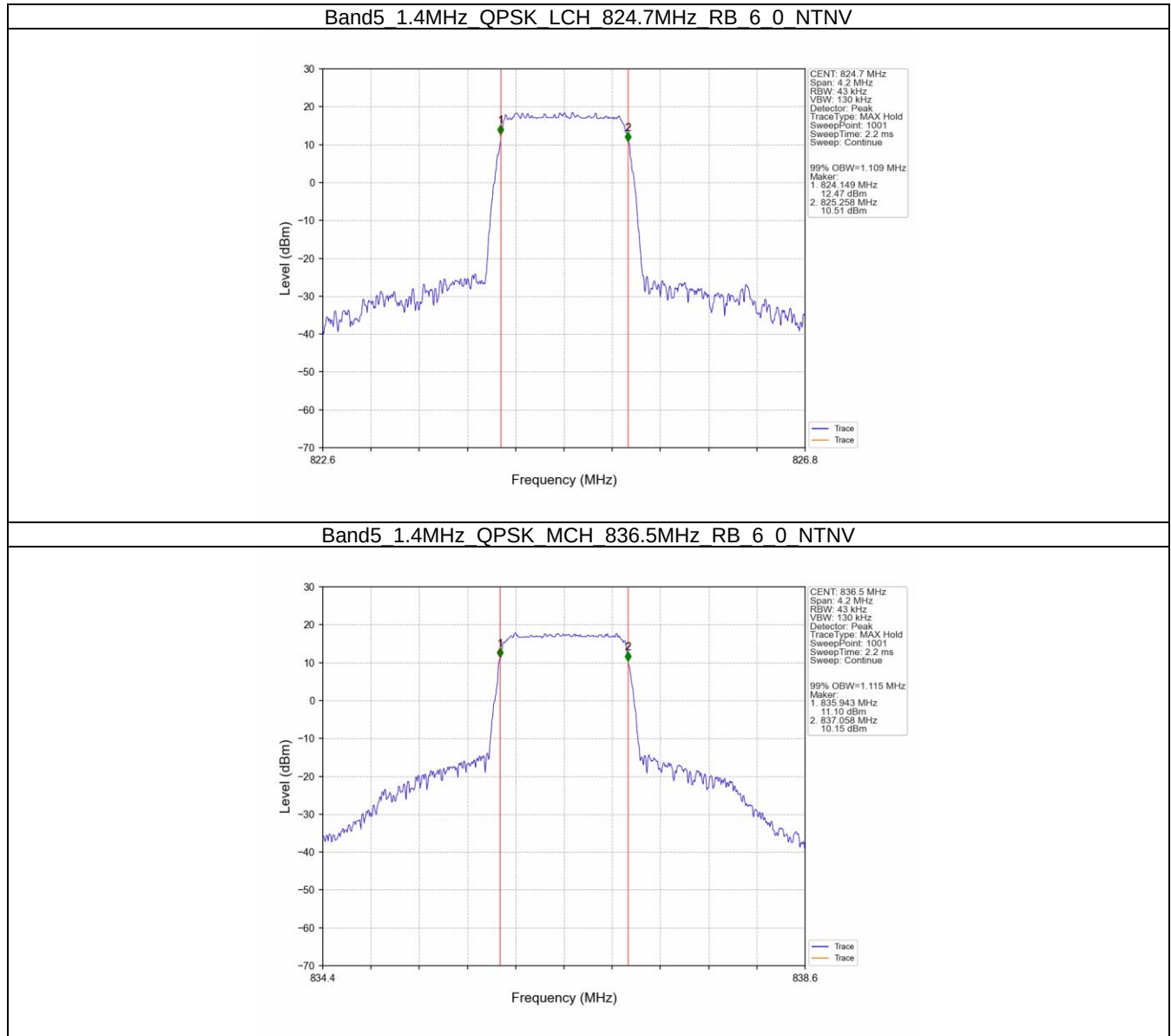
| Band: 5 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.273                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.272                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.270                | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.271                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.280                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.281                | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 3.103                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.097                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.071                | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 3.100                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.119                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.084                | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 5.057                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.050                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.915                | /     | Pass    |

|    |       |       |    |   |        |   |      |
|----|-------|-------|----|---|--------|---|------|
| 10 | 16QAM | 826.5 | 25 | 0 | 5.064  | / | Pass |
|    |       | 836.5 | 25 | 0 | 5.065  | / | Pass |
|    |       | 846.5 | 25 | 0 | 5.067  | / | Pass |
|    | QPSK  | 829   | 50 | 0 | 9.999  | / | Pass |
|    |       | 836.5 | 50 | 0 | 10.036 | / | Pass |
|    |       | 844   | 50 | 0 | 10.023 | / | Pass |
|    | 16QAM | 829   | 50 | 0 | 10.035 | / | Pass |
|    |       | 836.5 | 50 | 0 | 10.037 | / | Pass |
|    |       | 844   | 50 | 0 | 10.044 | / | Pass |

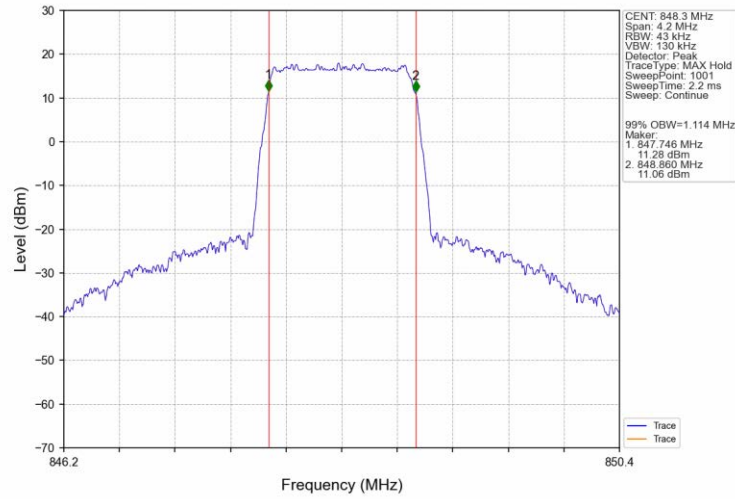


## 4.2 Test Graph

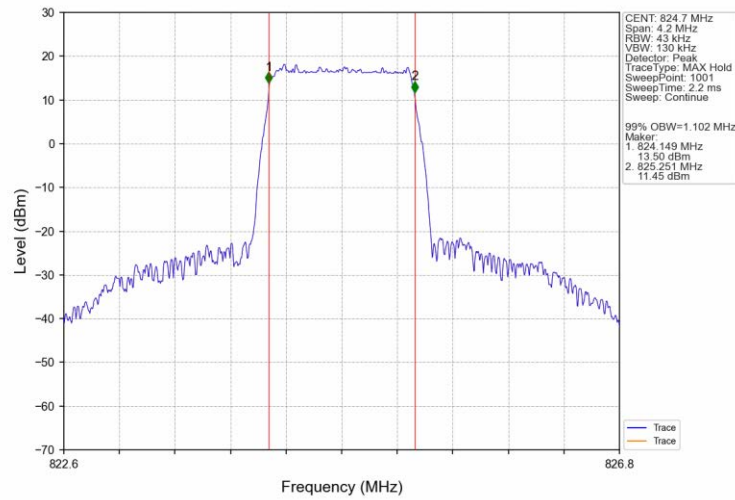
### 4.2.1 Band5\_OBW



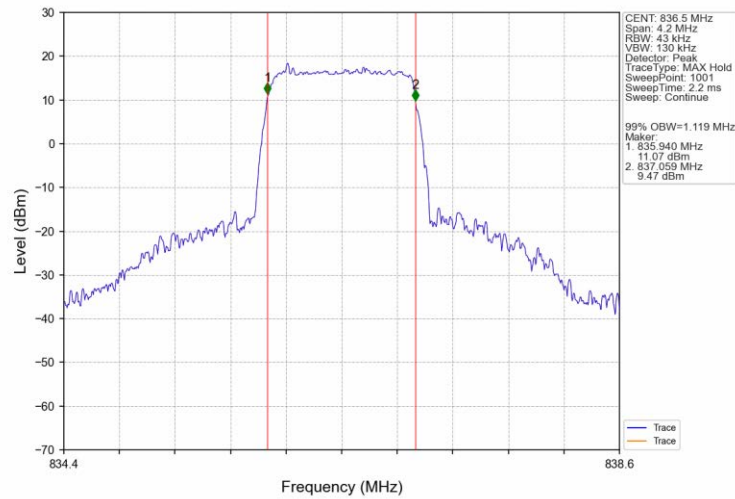
### Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



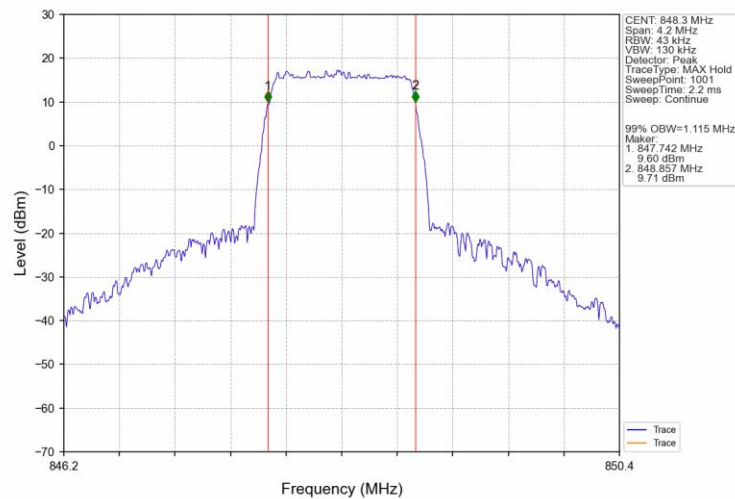
### Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



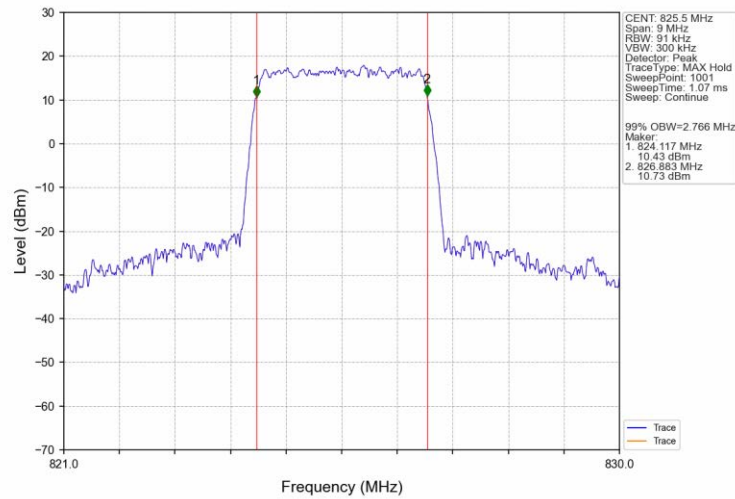
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



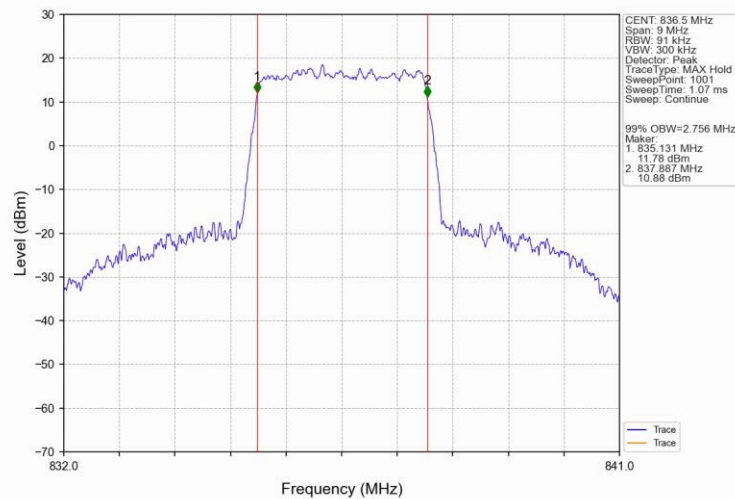
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



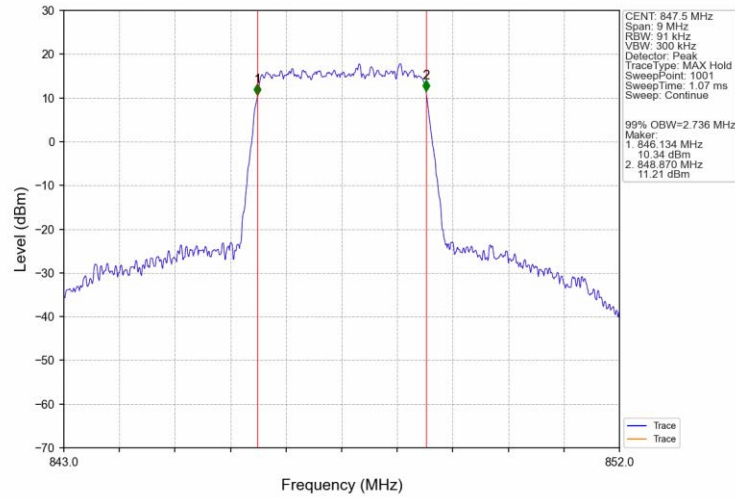
### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



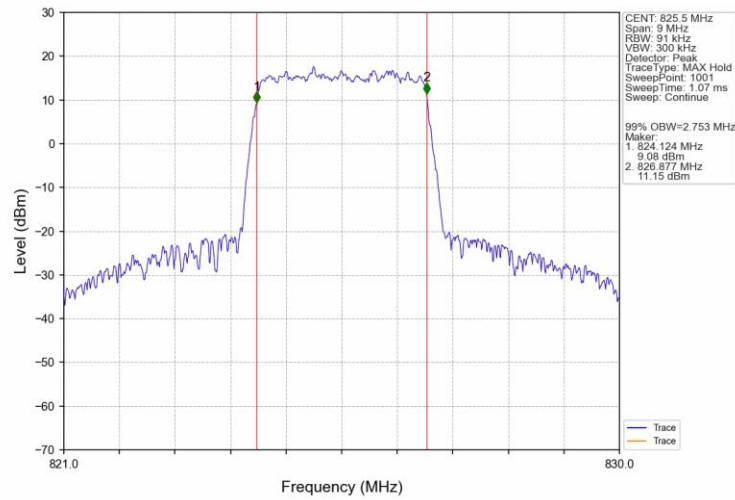
### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



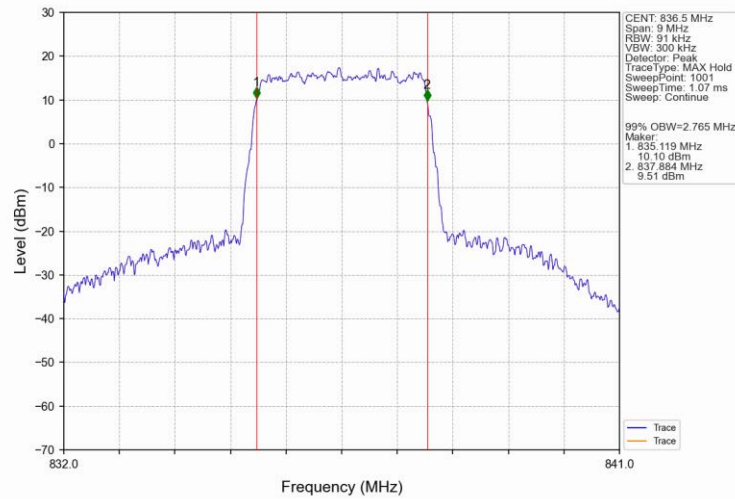
### Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



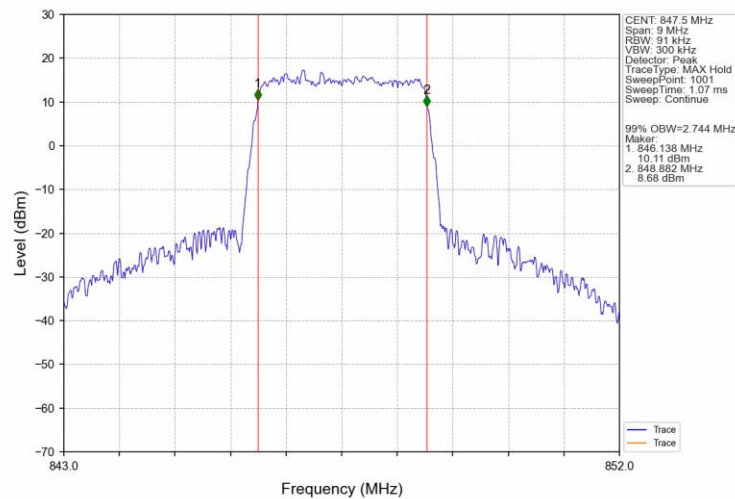
### Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



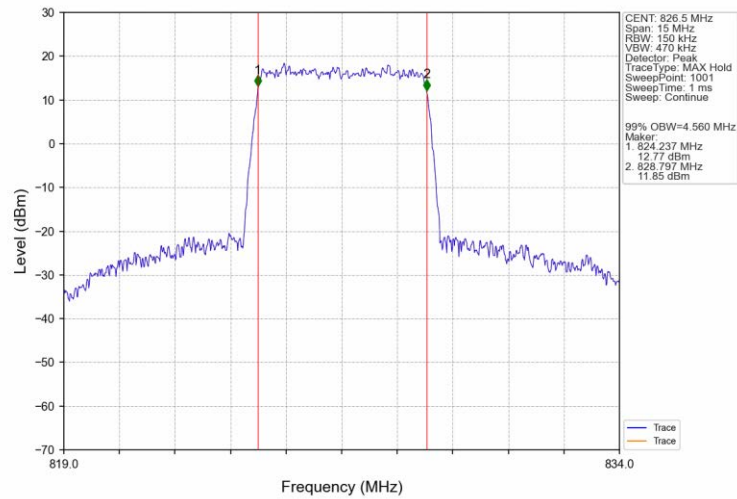
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



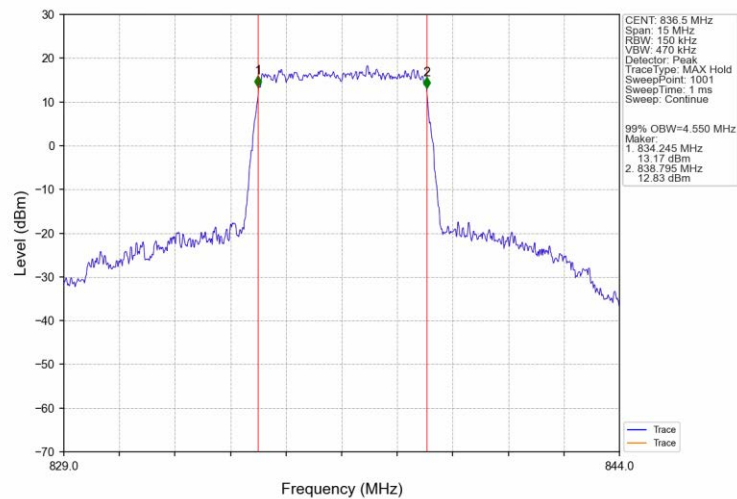
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



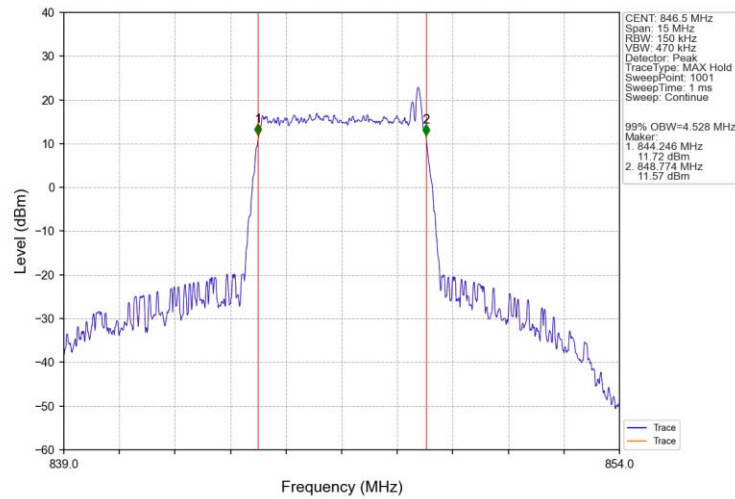
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



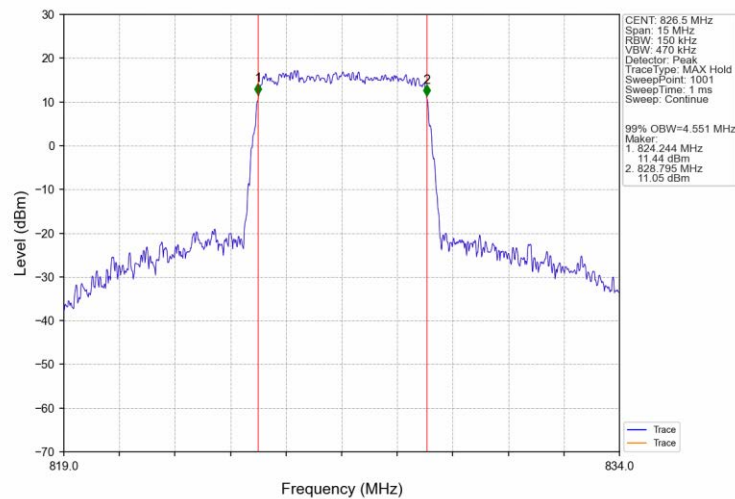
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



### Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

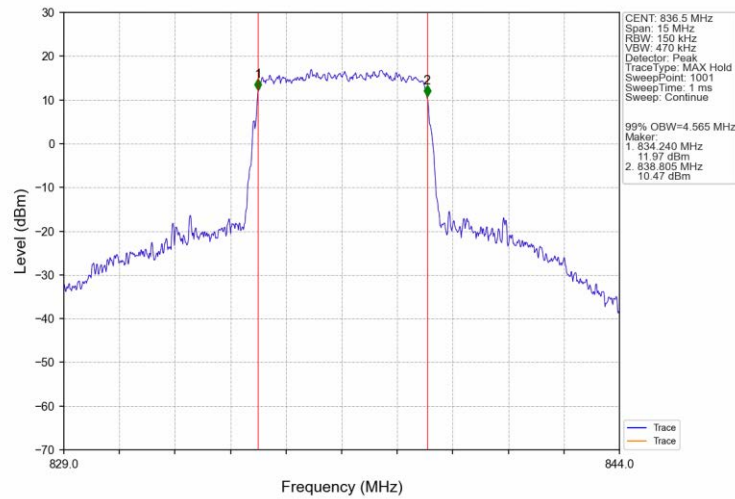


### Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

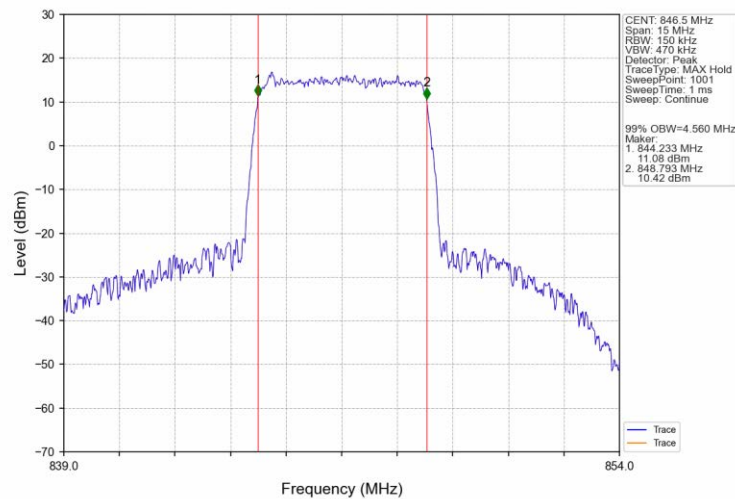




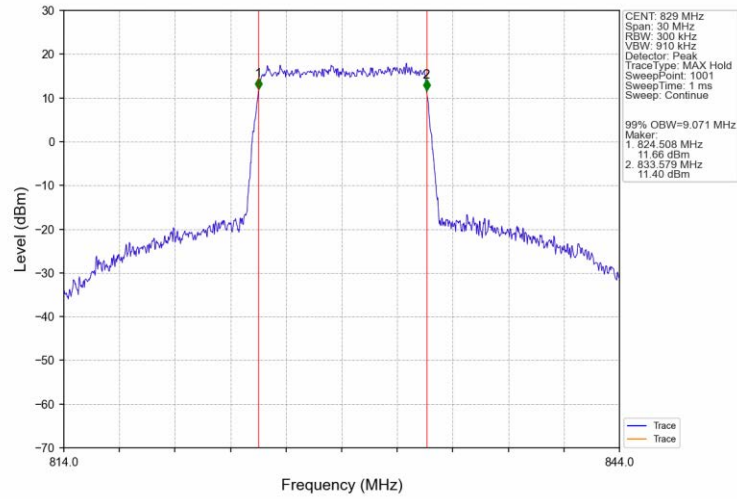
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



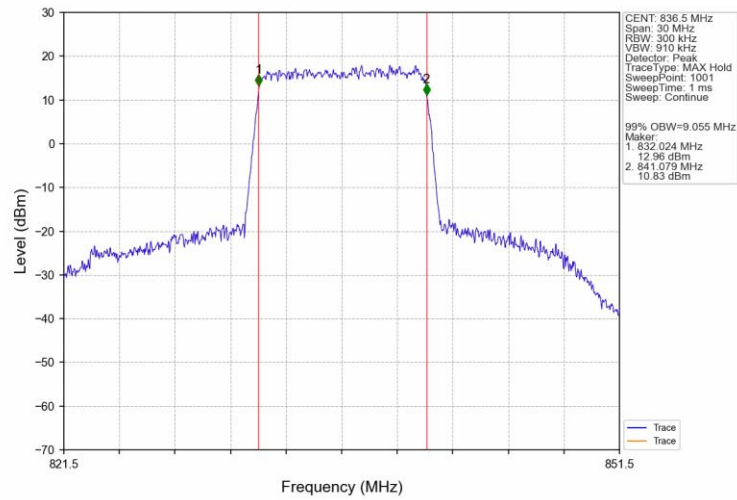
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



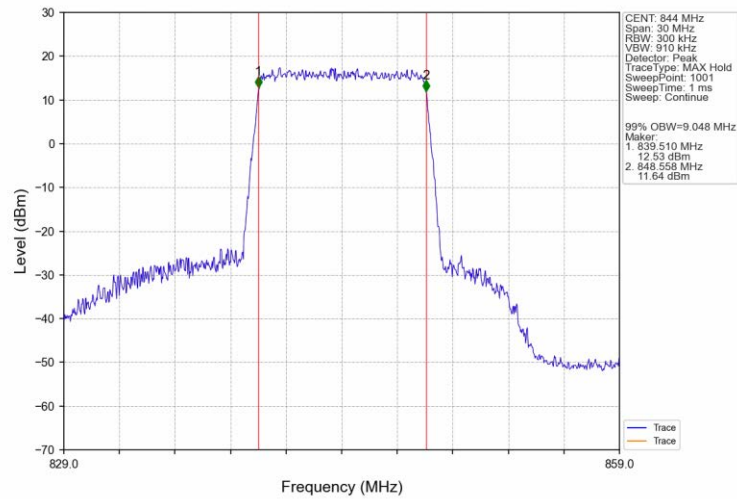
### Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



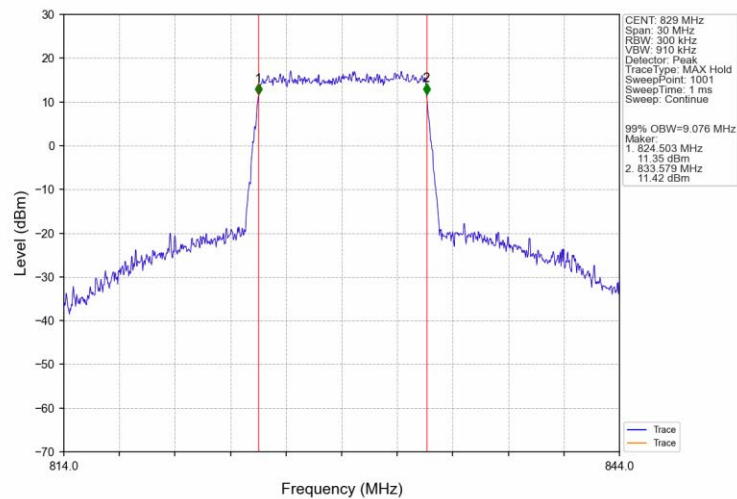
### Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



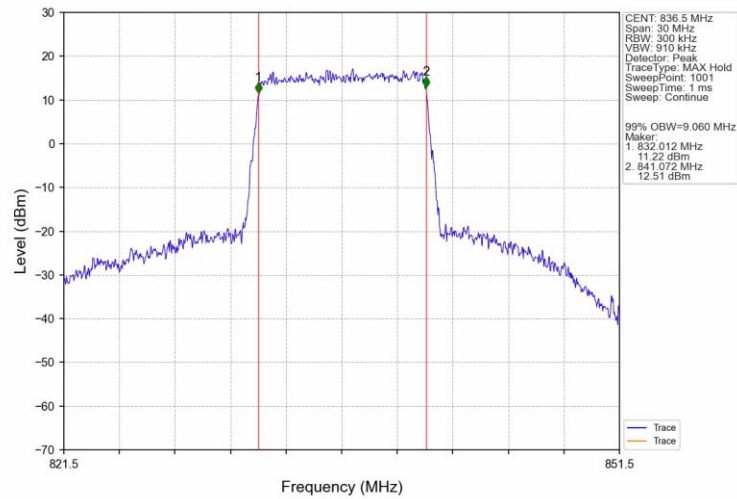
### Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



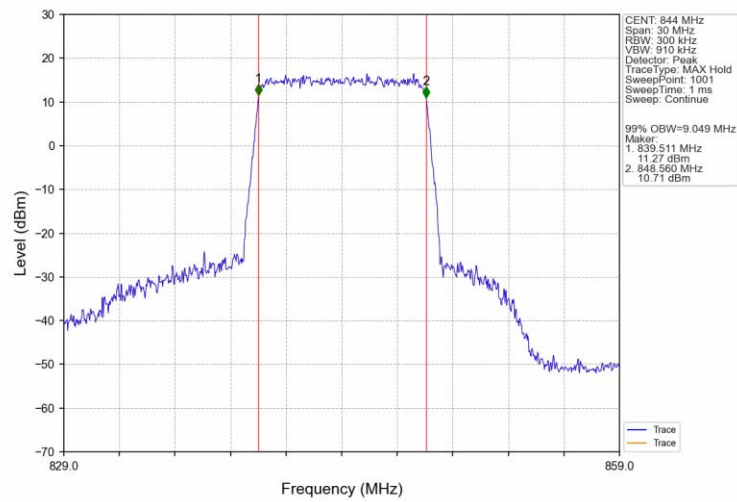
### Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



### Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV

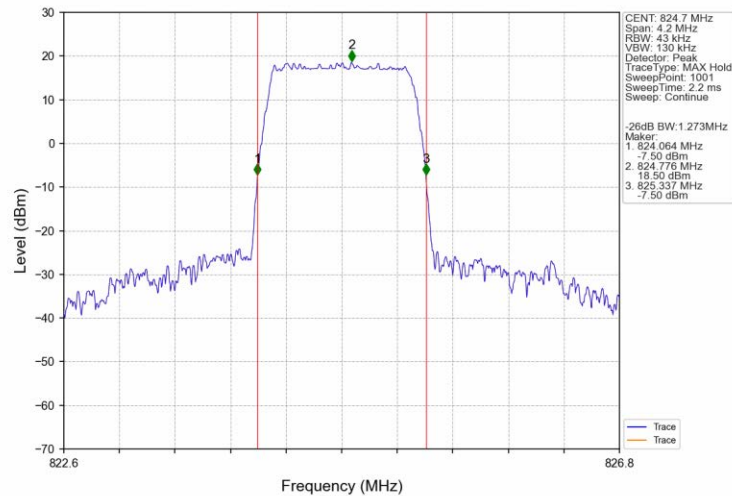


### Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV

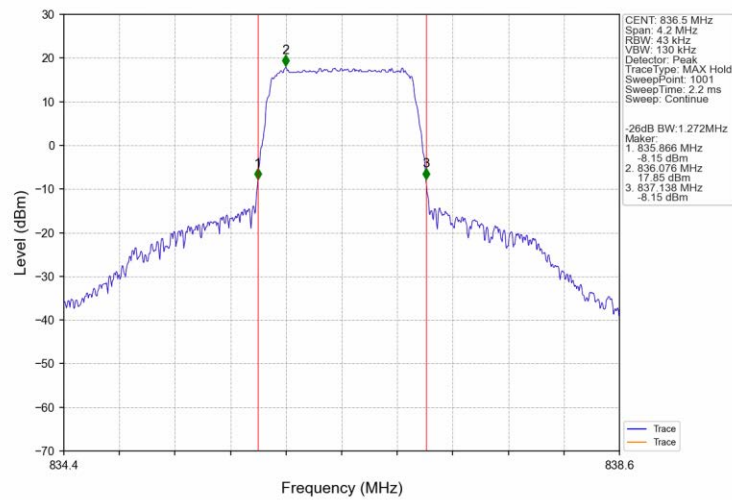


## 4.2.2 Band5\_XDB

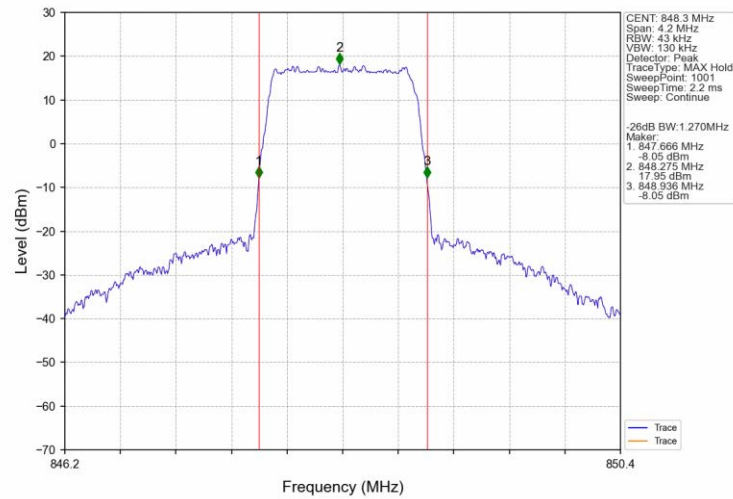
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



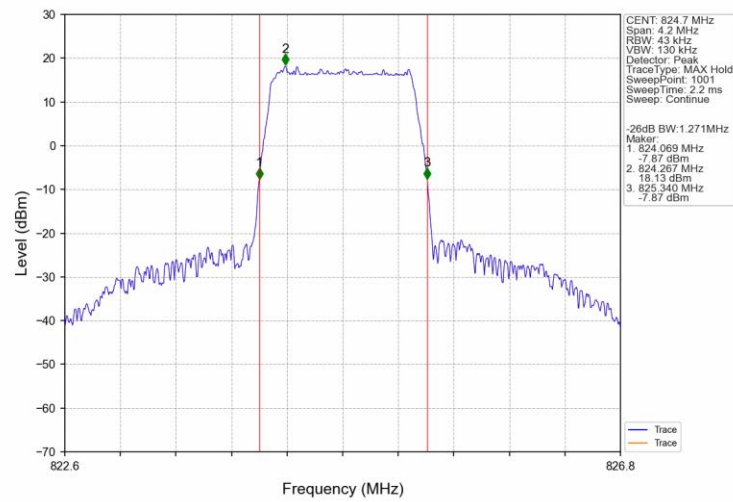
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



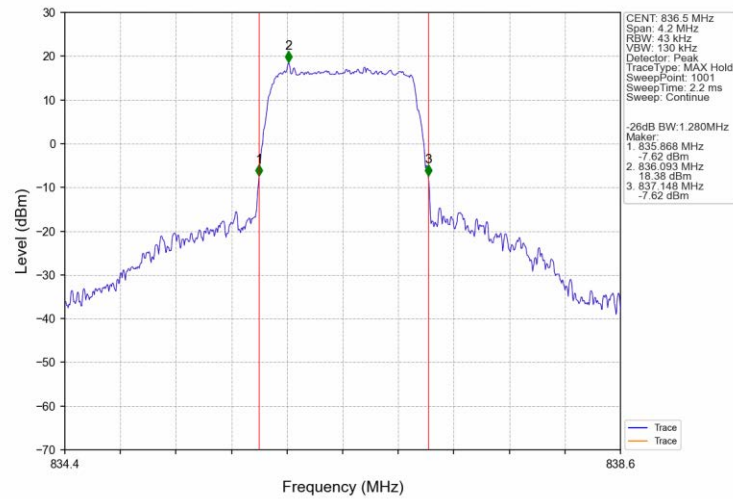
### Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



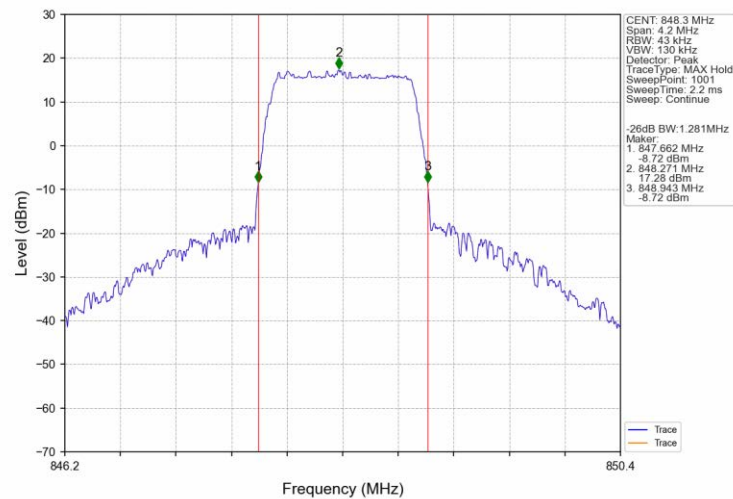
### Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



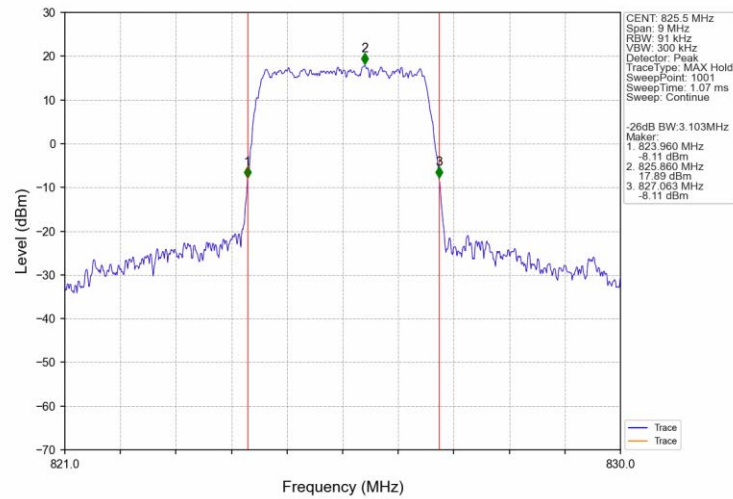
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



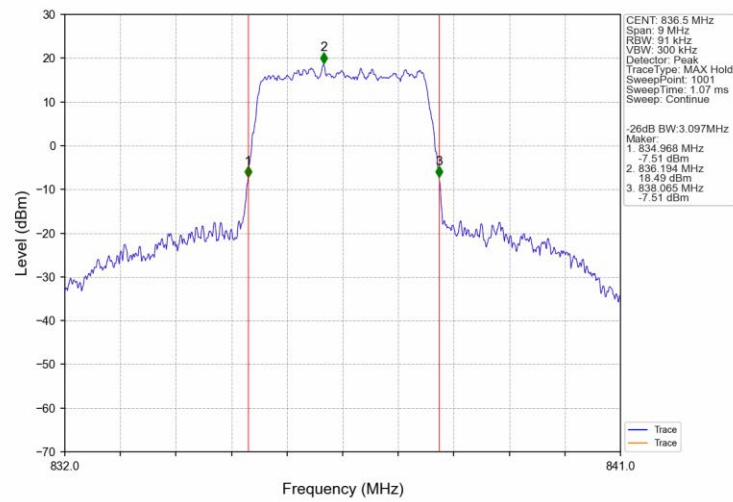
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

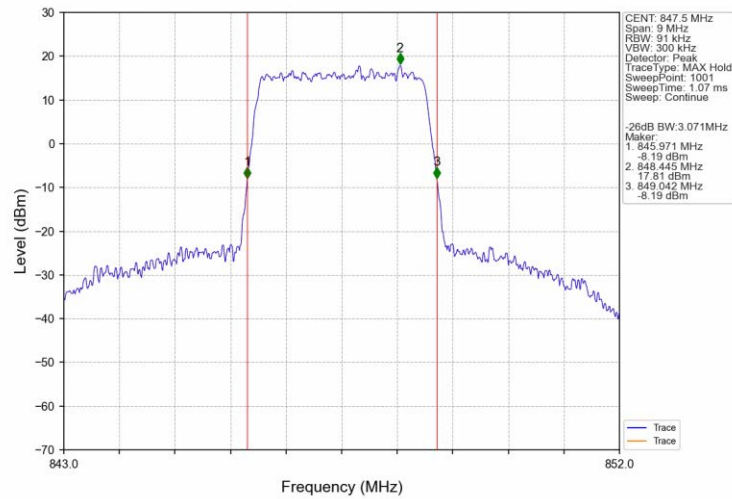


### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV

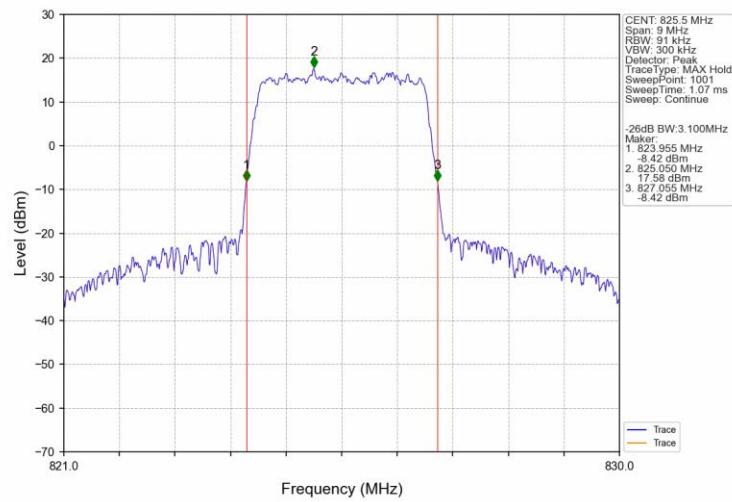




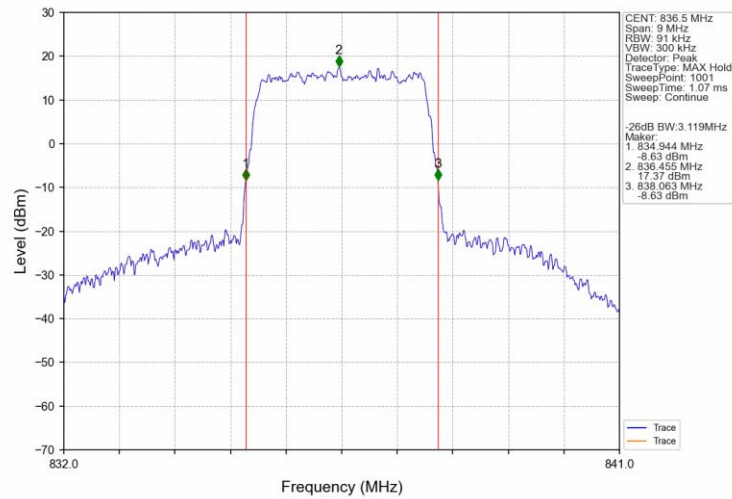
### Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



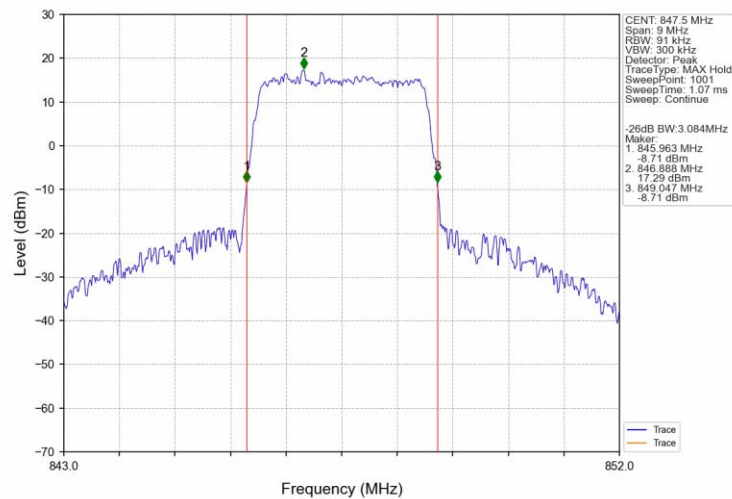
### Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



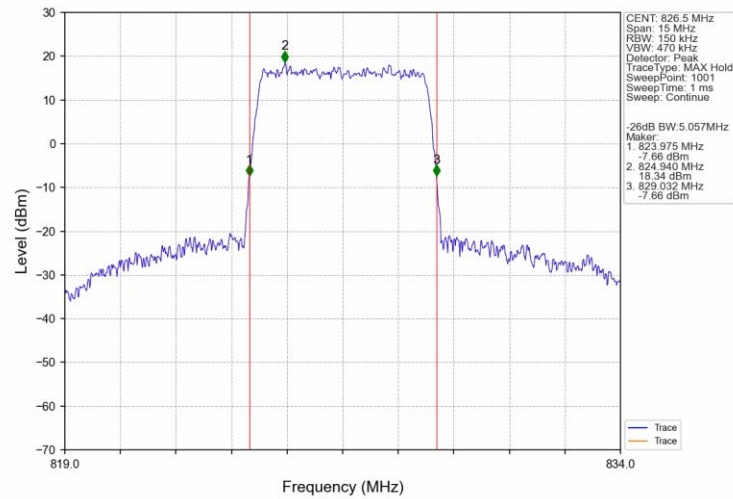
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



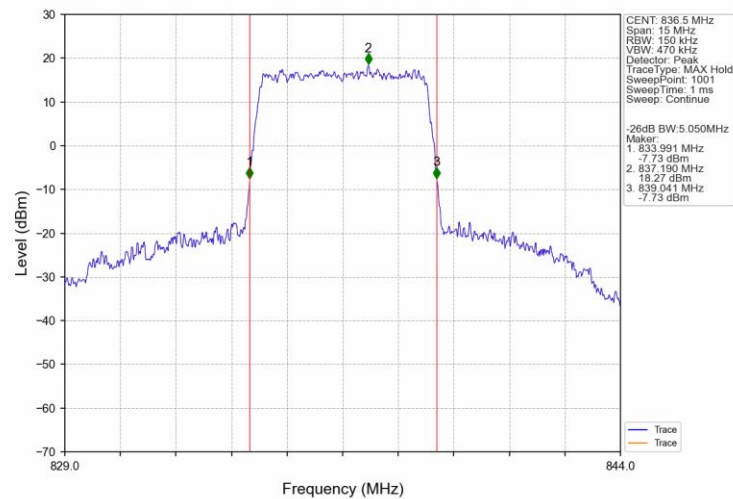
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



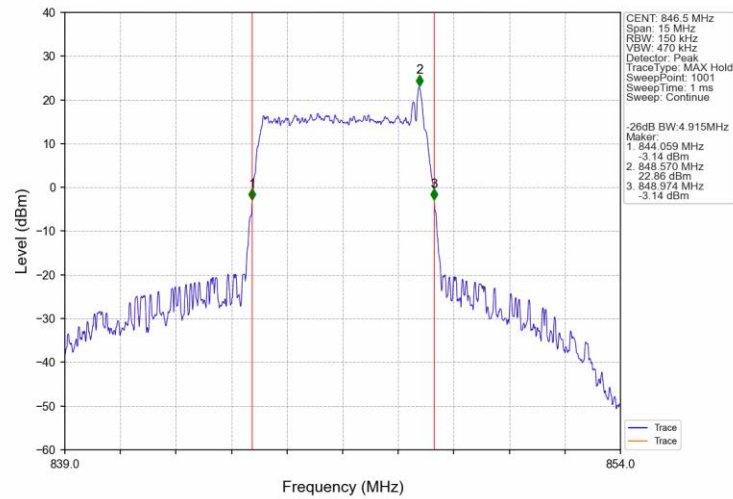
### Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



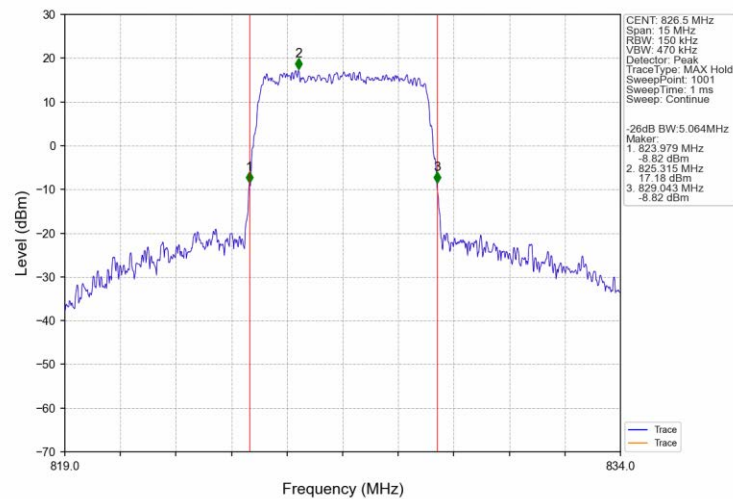
### Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



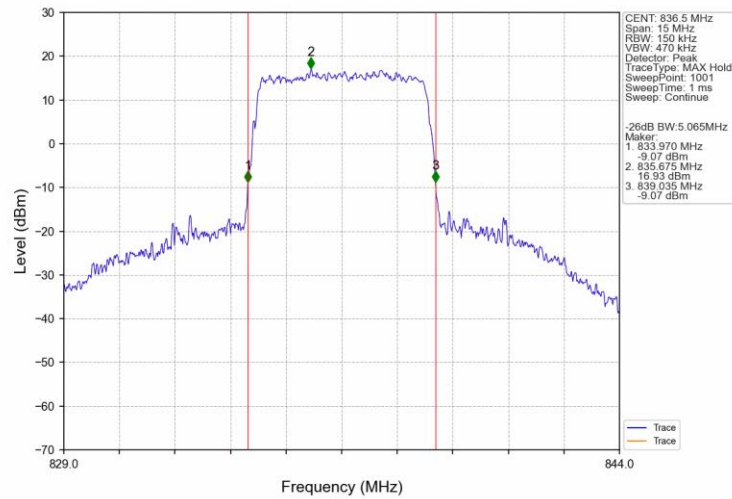
### Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



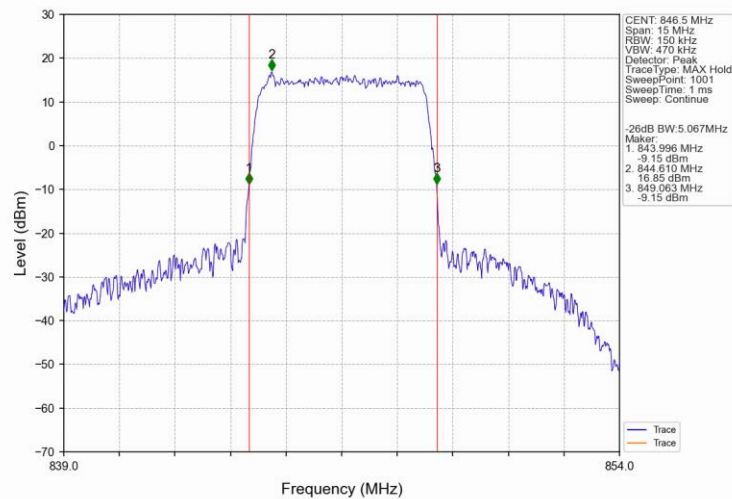
### Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



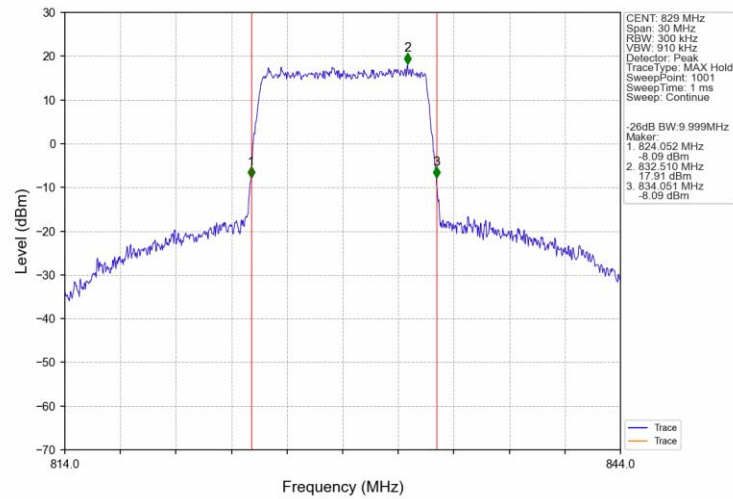
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



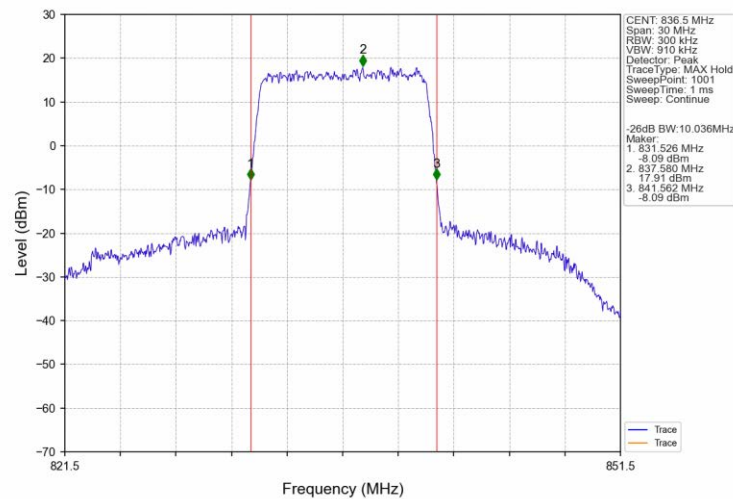
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



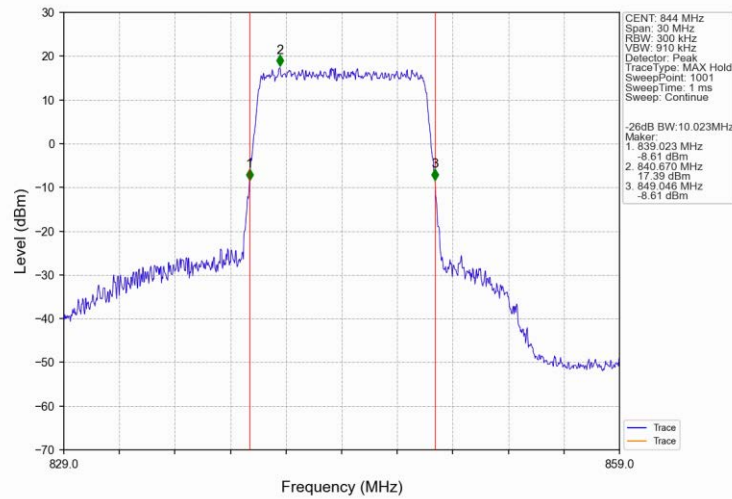
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



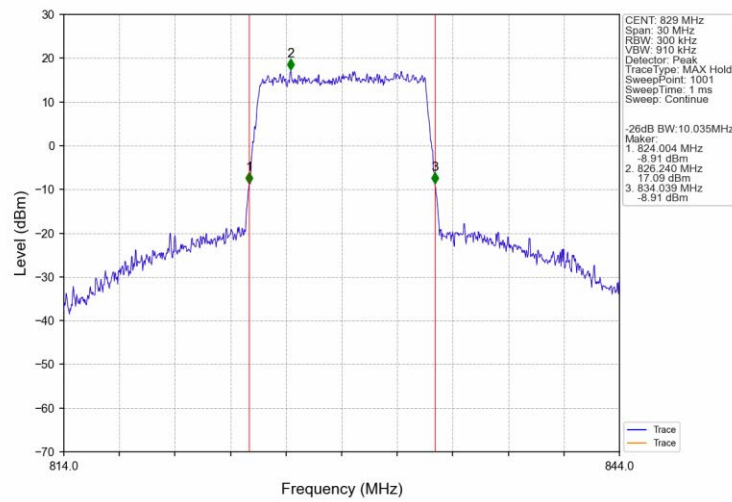
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



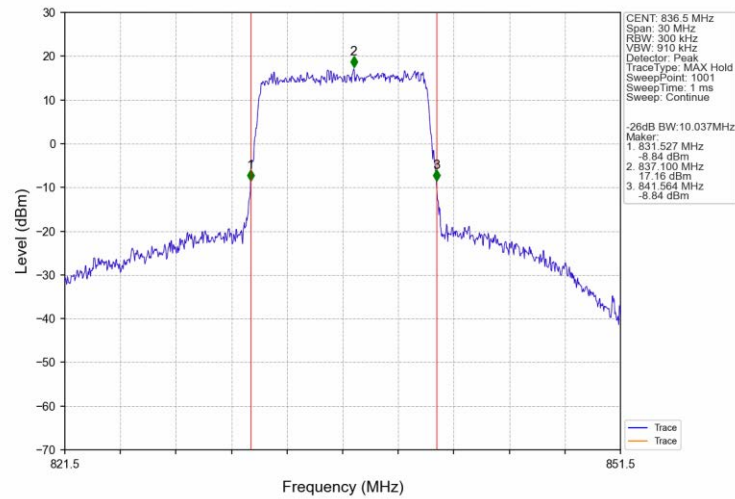
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



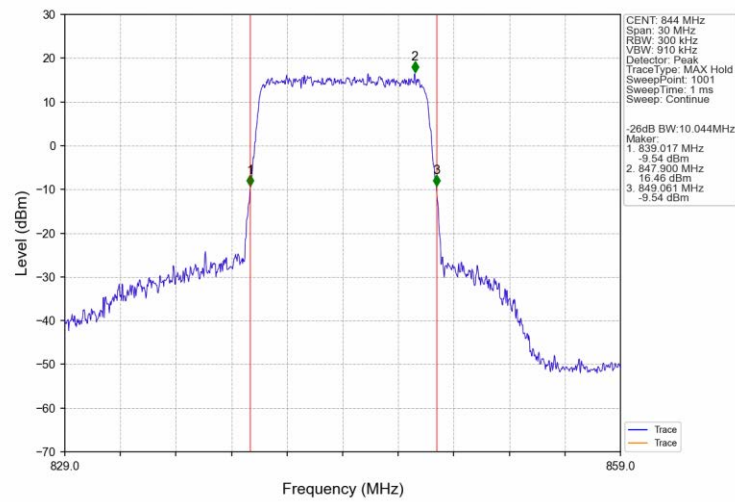
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV





## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 824.7           | 6             | 0      | 5.57                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 4.79                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 5.22                    | <=13  | Pass    |
| 16QAM                              | 824.7           | 6             | 0      | 6.24                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 5.63                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 5.98                    | <=13  | Pass    |

#### 5.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 825.5           | 15            | 0      | 5.56                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 4.96                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 5.31                    | <=13  | Pass    |
| 16QAM                            | 825.5           | 15            | 0      | 6.30                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 5.78                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 6.13                    | <=13  | Pass    |

#### 5.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 826.5           | 25            | 0      | 5.53                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 5.16                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 5.54                    | <=13  | Pass    |
| 16QAM                            | 826.5           | 25            | 0      | 6.20                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 5.95                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 6.27                    | <=13  | Pass    |

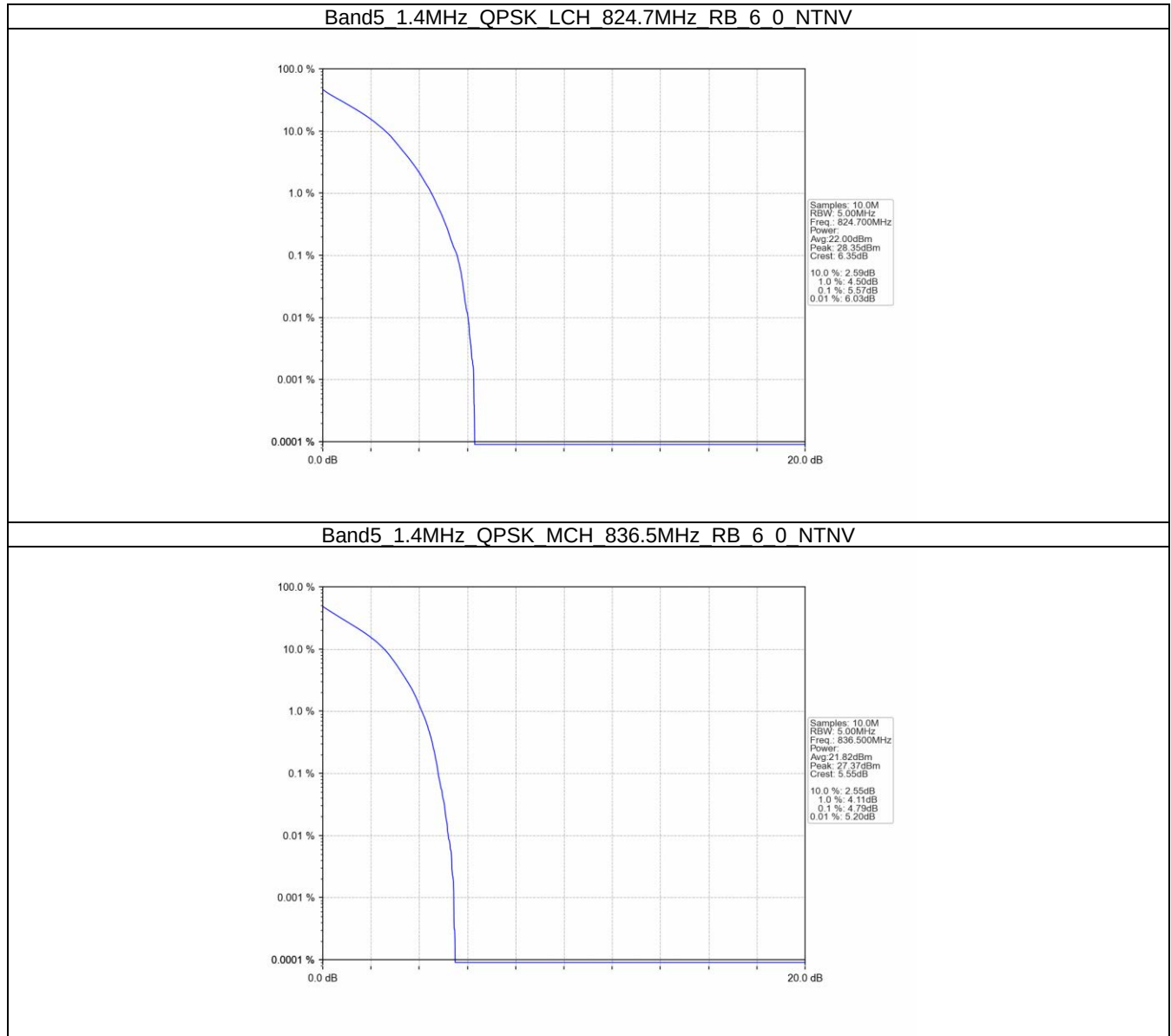
#### 5.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 829             | 50            | 0      | 5.38                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 5.30                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.57                    | <=13  | Pass    |
| 16QAM                             | 829             | 50            | 0      | 6.10                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 6.07                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 6.34                    | <=13  | Pass    |

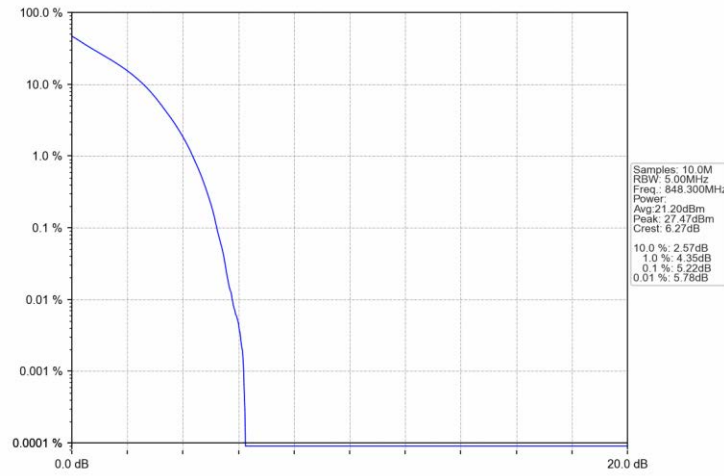


## 5.2 Test Graph

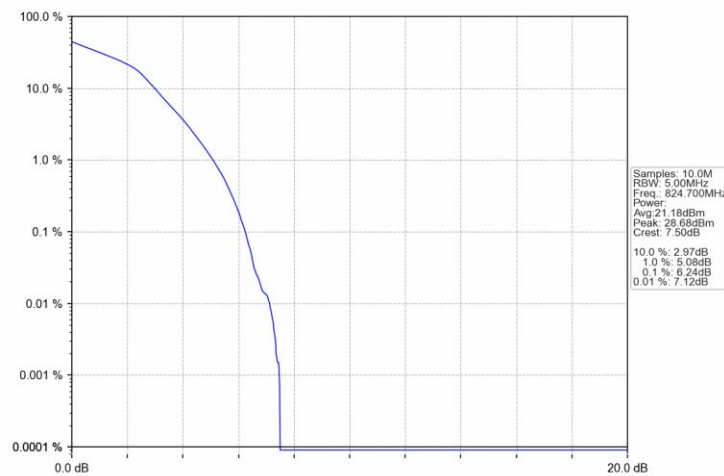
### 5.2.1 B5\_1.4MHz



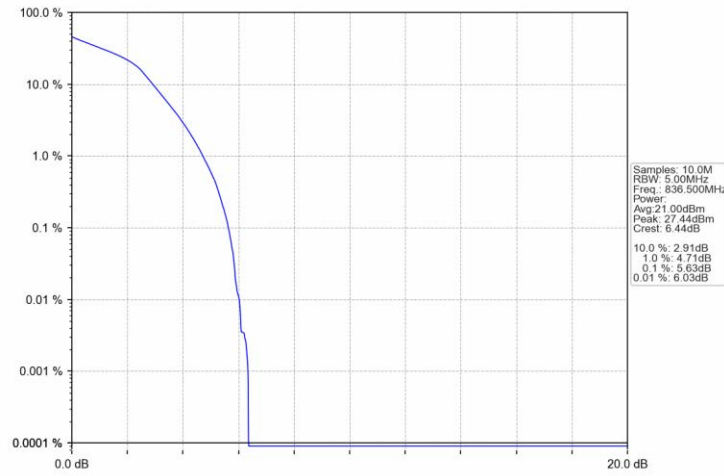
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



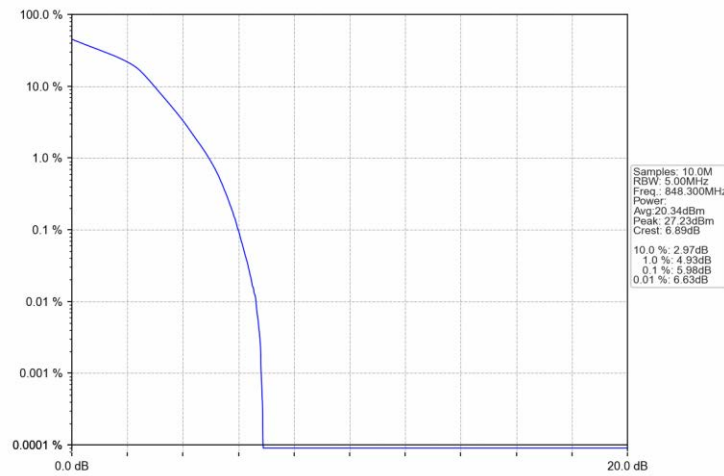
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV

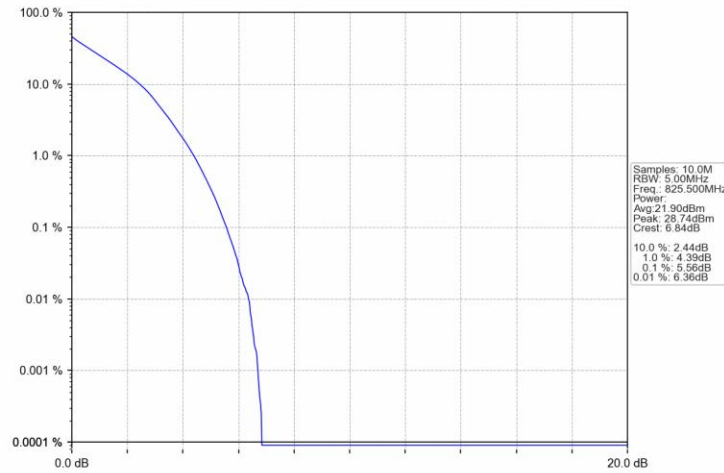


Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV

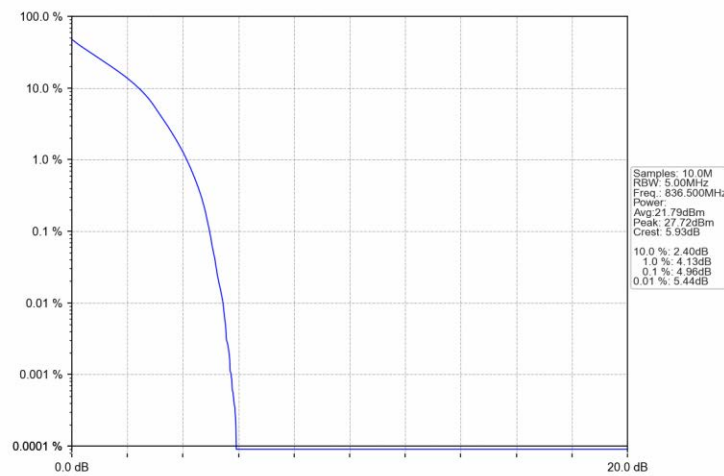


## 5.2.2 B5\_3MHz

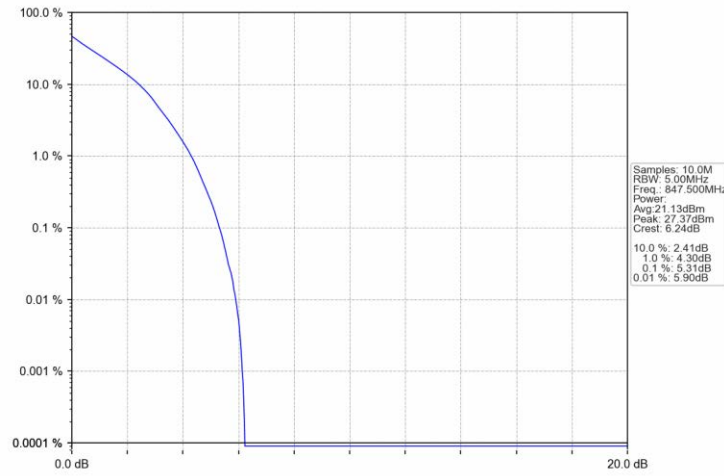
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



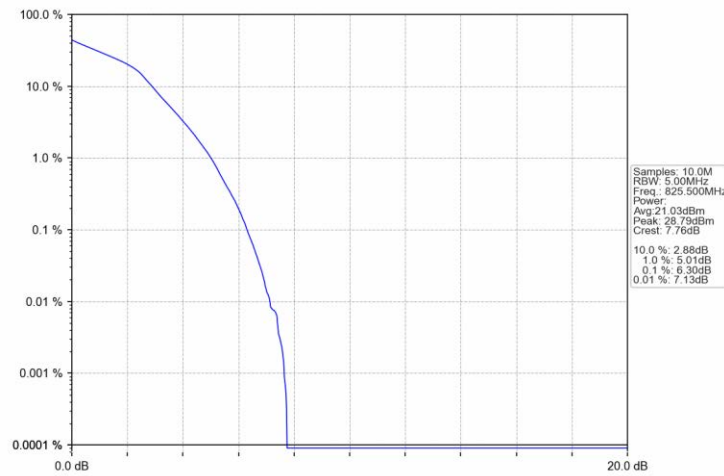
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



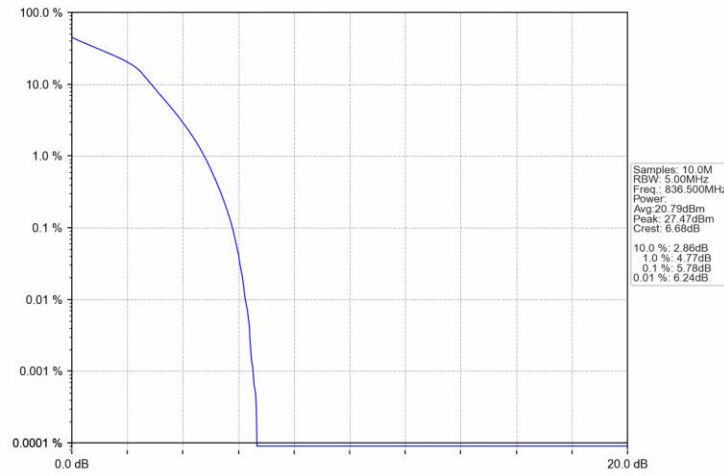
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



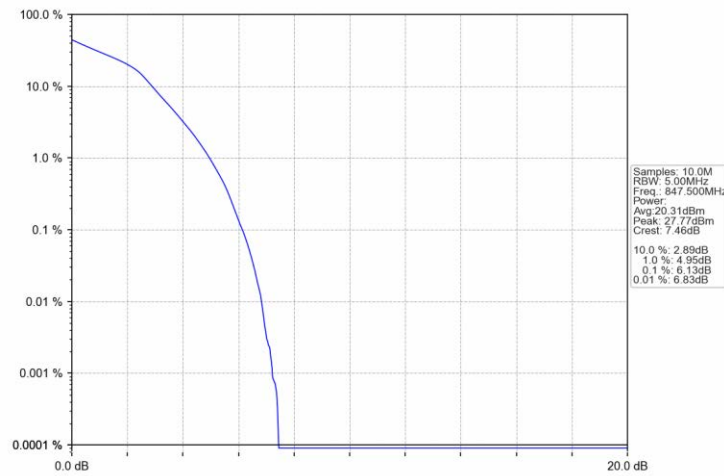
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



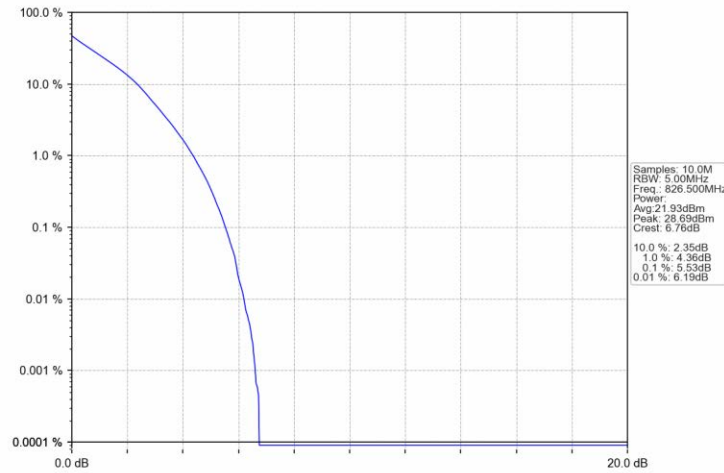
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



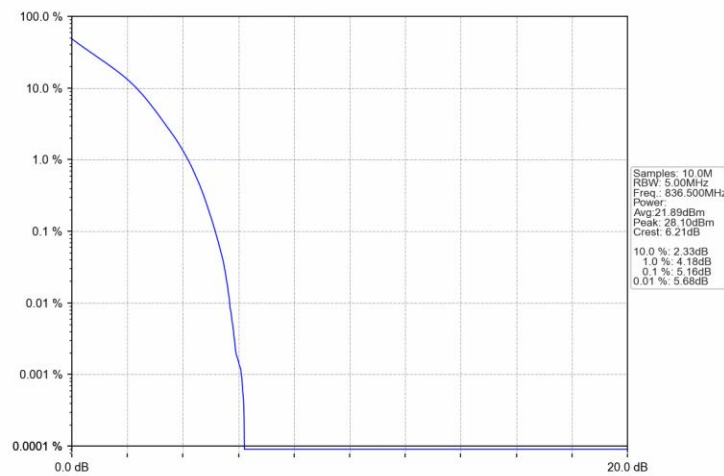


### 5.2.3 B5\_5MHz

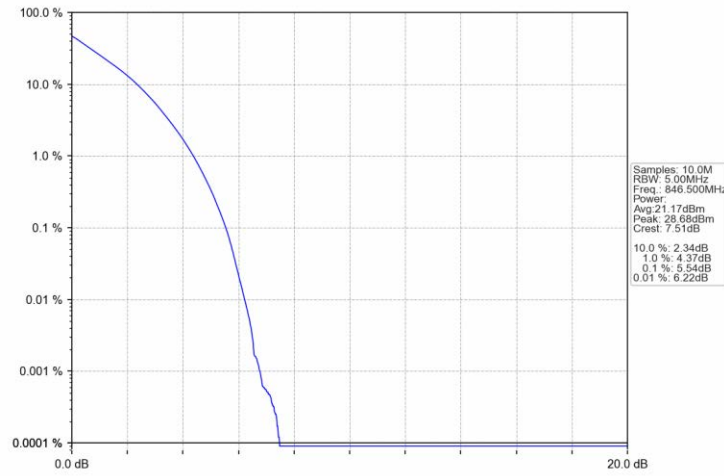
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTNV



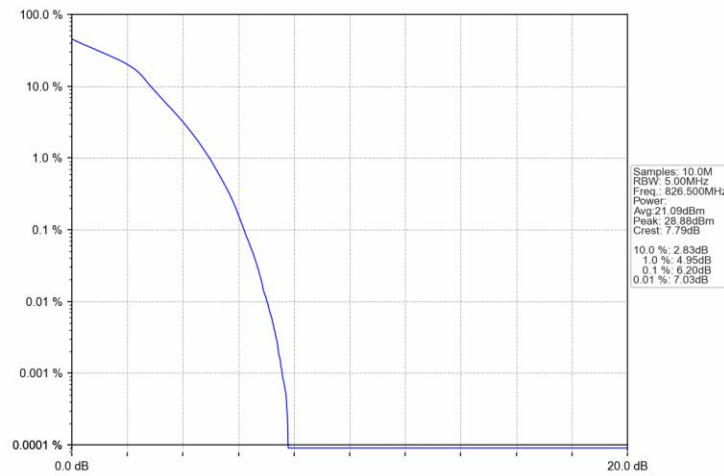
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



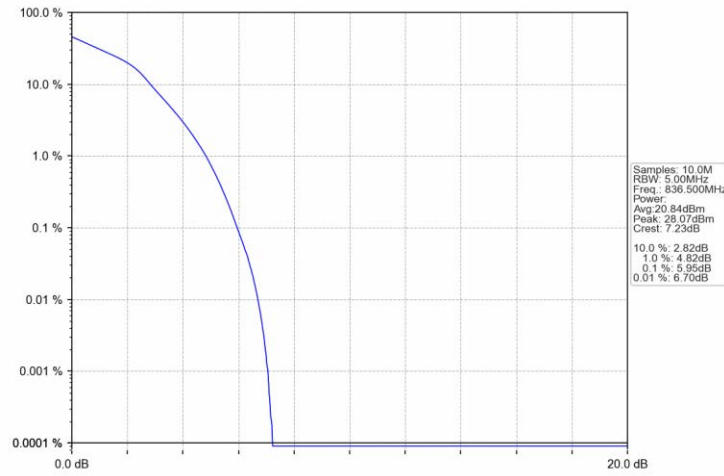
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



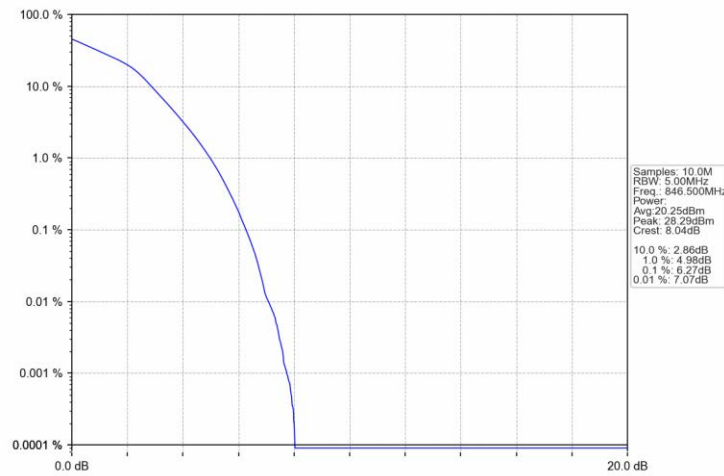
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV

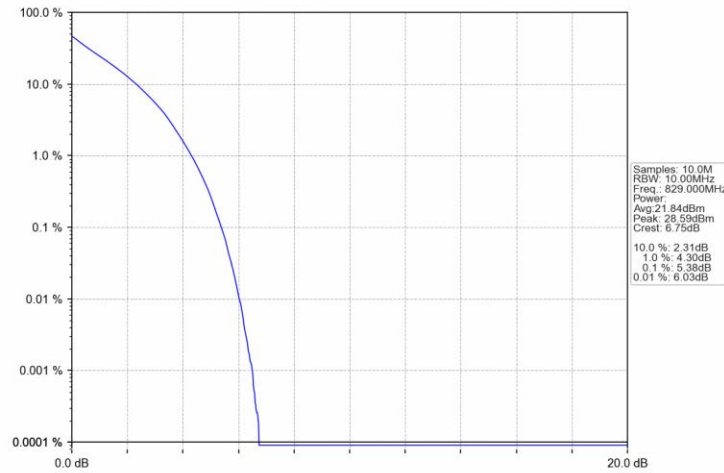


Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

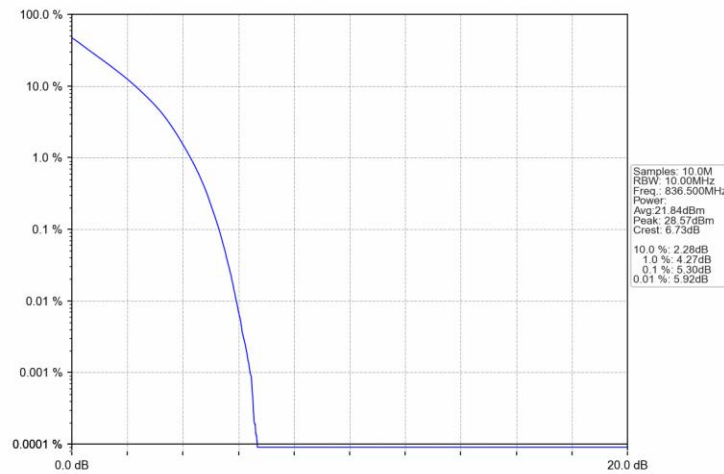


## 5.2.4 B5\_10MHz

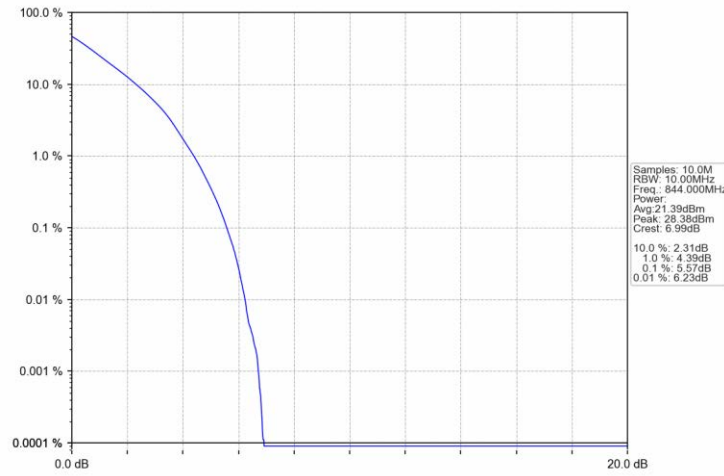
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



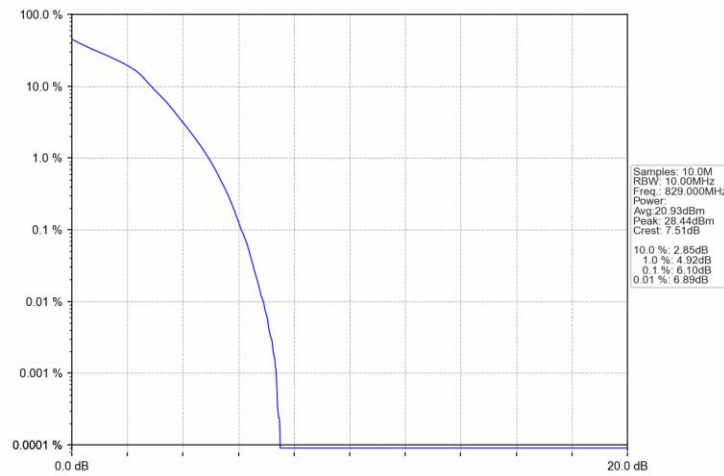
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



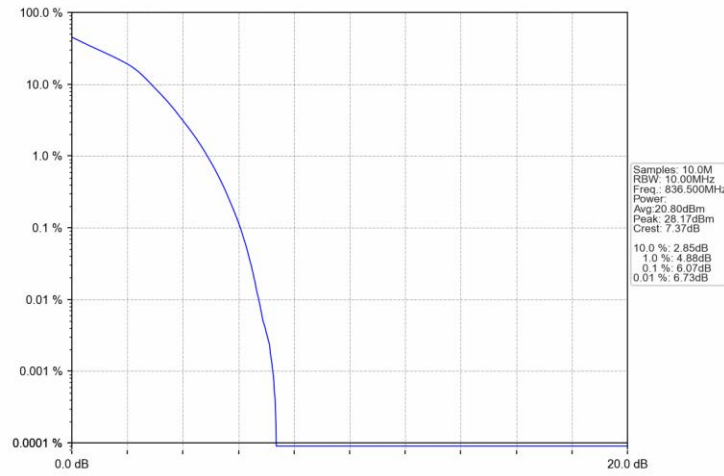
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



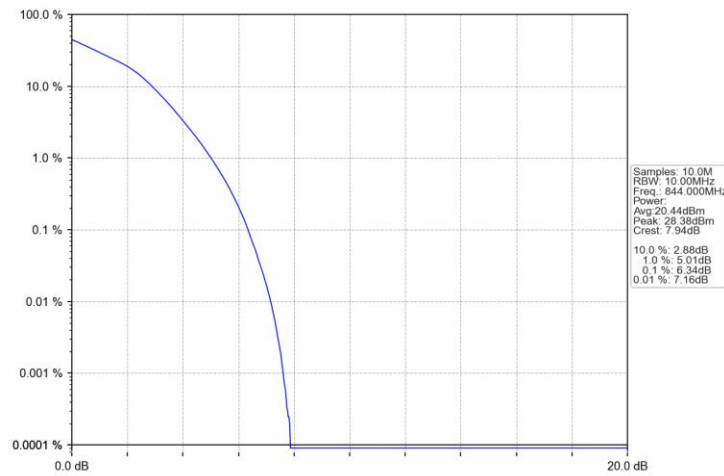
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                    |                 | Size          | Offset | Result              | Limit |
| QPSK                               | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
| 16QAM                              | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |

#### 6.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |

#### 6.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 826.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 24     | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 826.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |

|  |       |    |    |                     |      |
|--|-------|----|----|---------------------|------|
|  | 836.5 | 1  | 0  | Refer To Test Graph | Pass |
|  | 846.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |       |    | 24 | Refer To Test Graph | Pass |
|  |       | 25 | 0  | Refer To Test Graph | Pass |

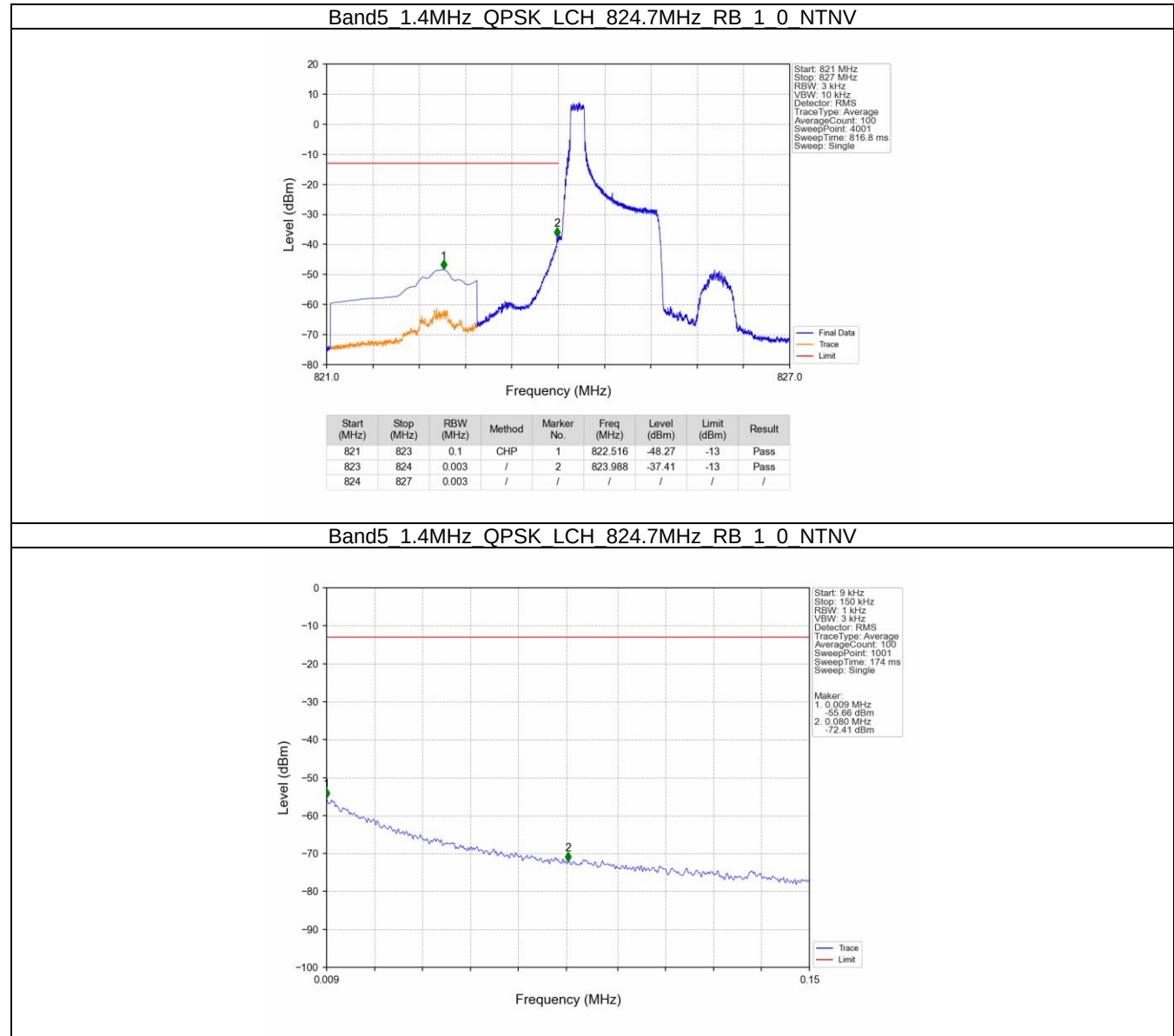
#### 6.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 829             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 844             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 829             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 844             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

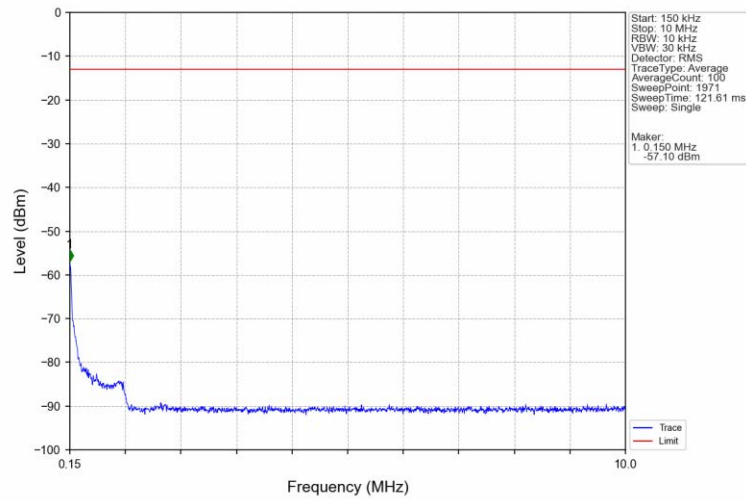


## 6.2 Test Graph

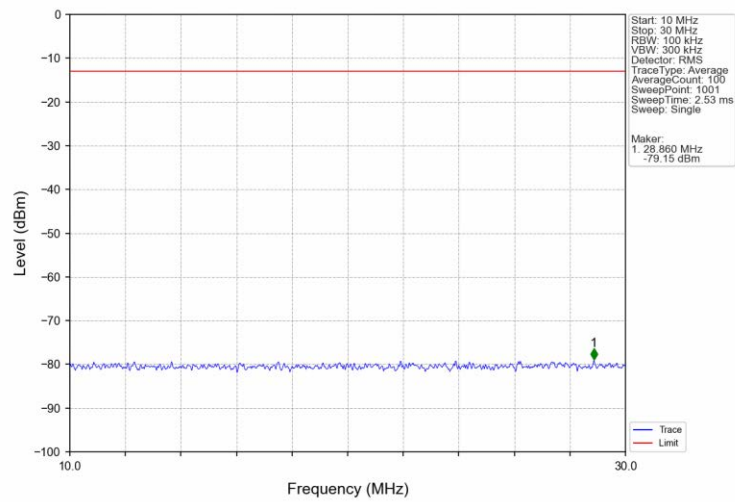
### 6.2.1 B5\_1.4MHz



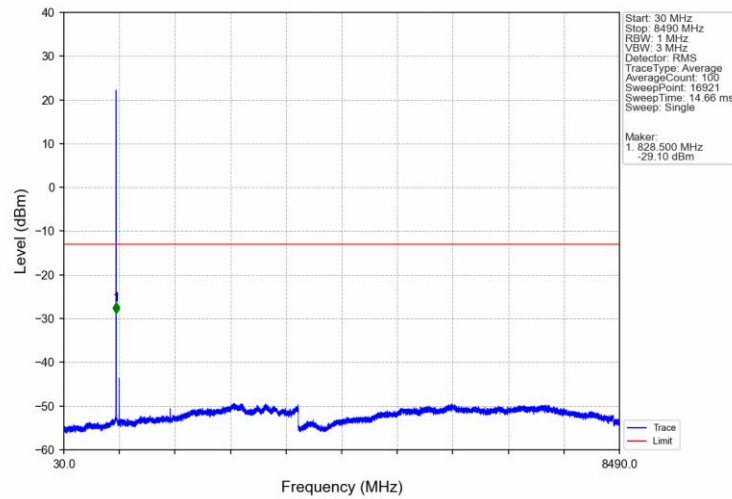
### Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



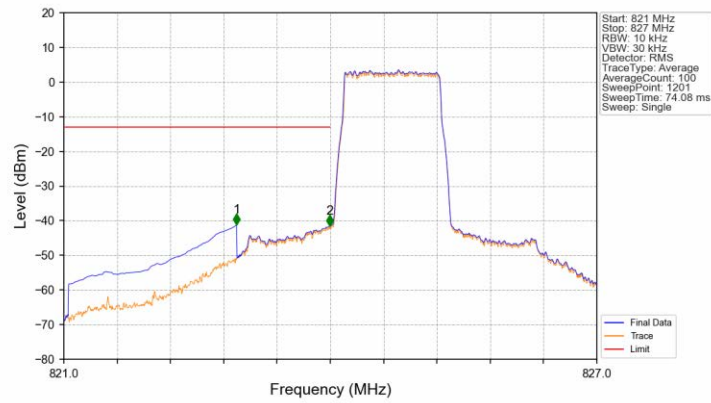
### Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



### Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV

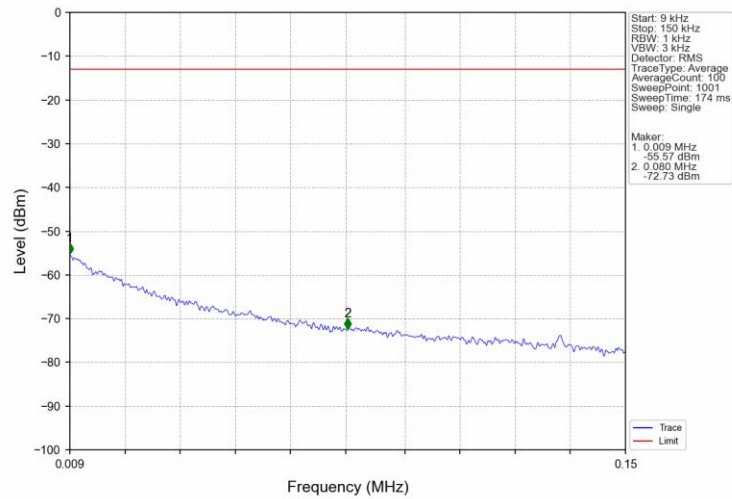


### Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

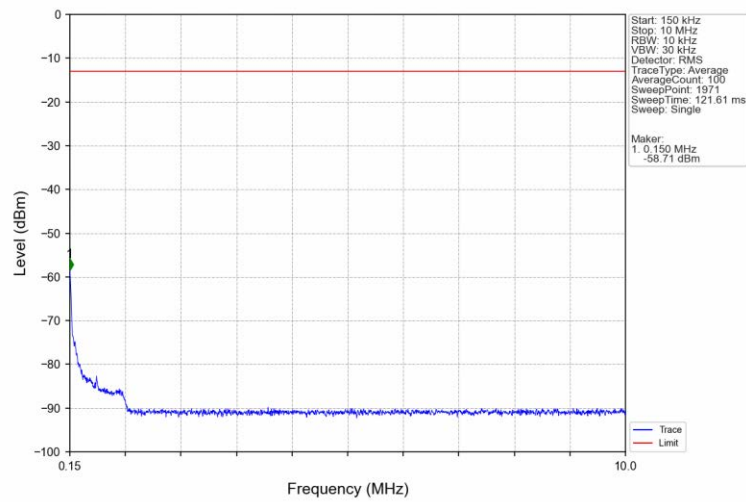


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -41.23      | -13         | Pass   |
| 823         | 824        | 0.013     | CHP    | 2          | 823.995    | -41.55      | -13         | Pass   |
| 824         | 827        | 0.013     | CHP    | /          | /          | /           | /           | /      |

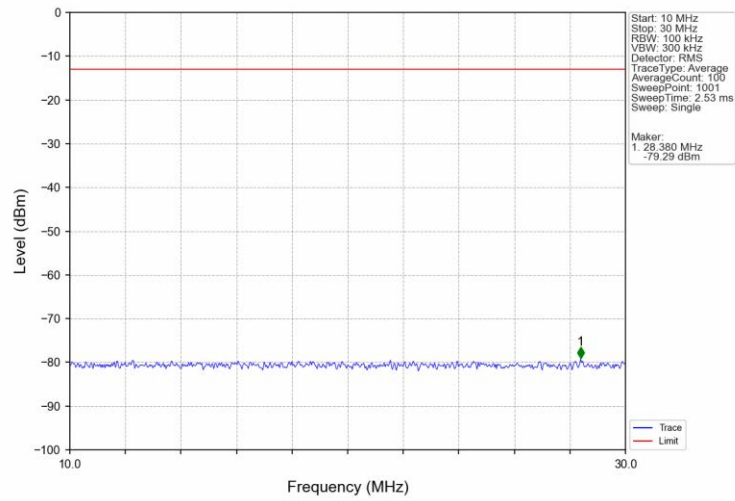
### Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



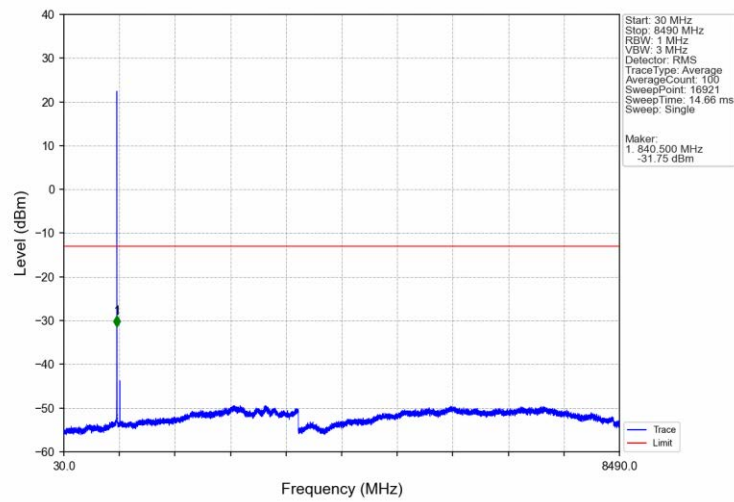
### Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



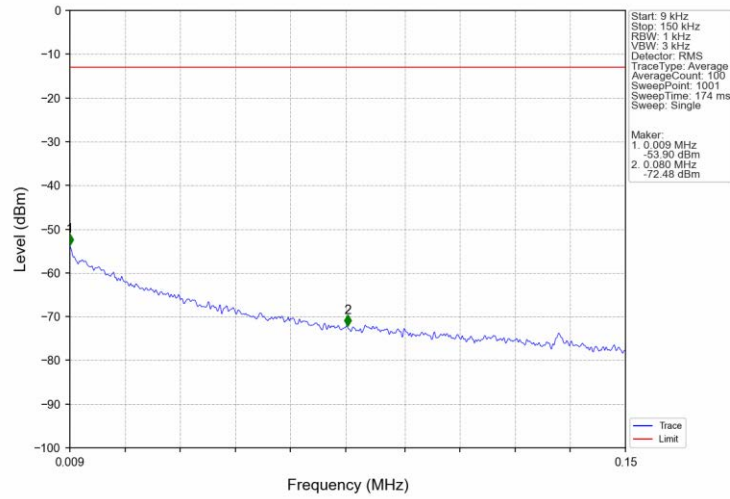
### Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



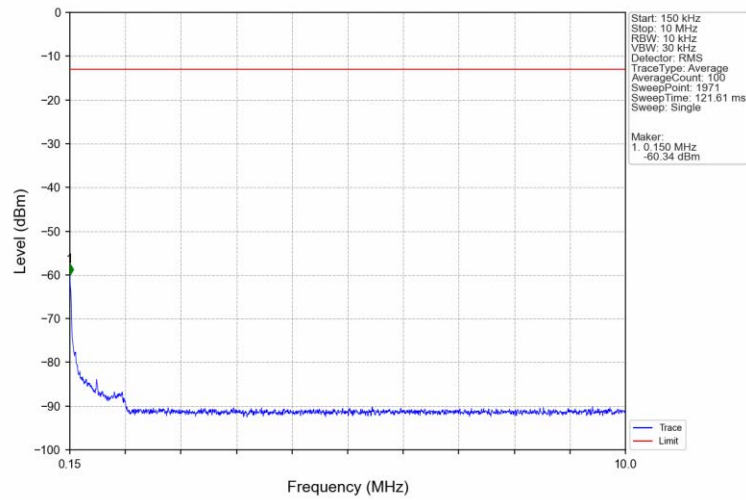
### Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



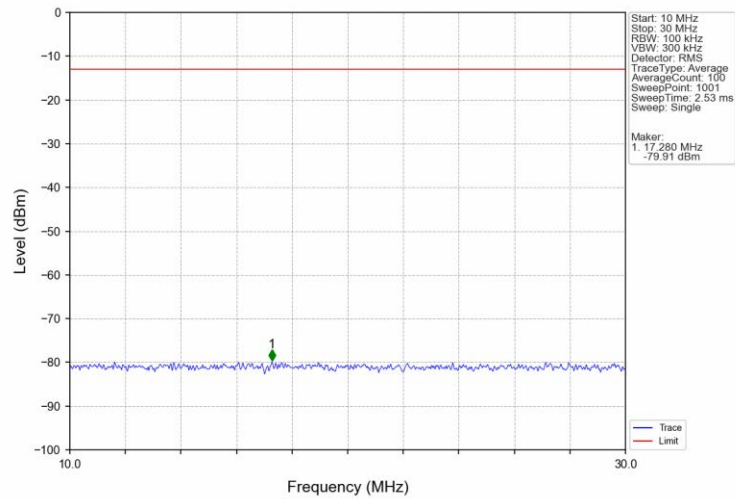
### Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



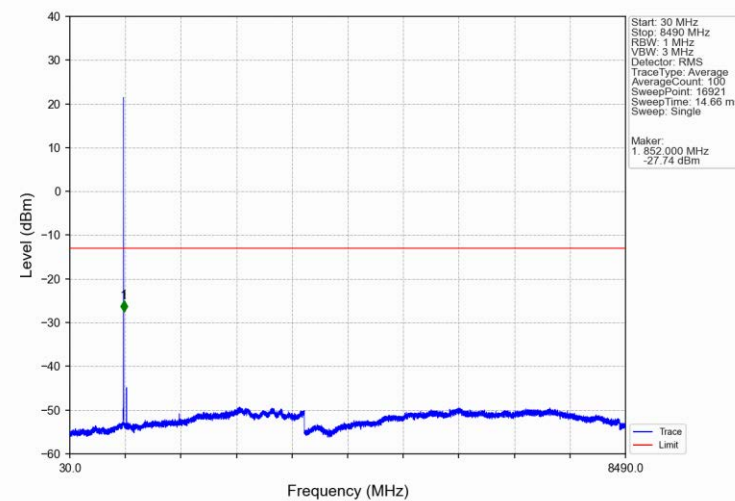
### Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



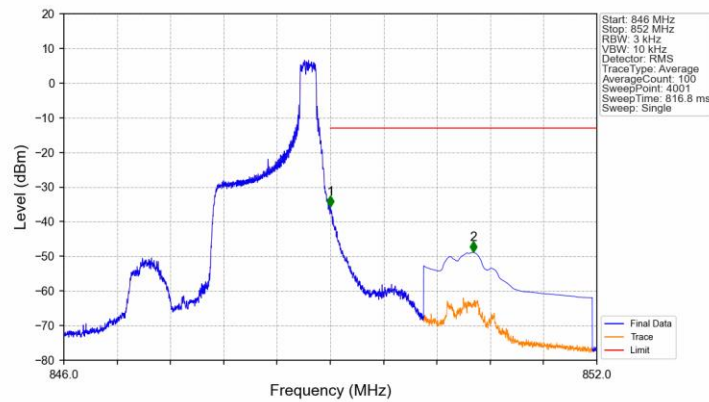
### Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



### Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

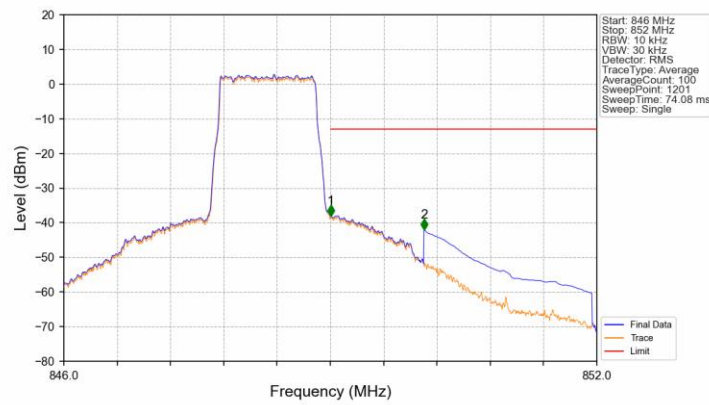


### Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.003    | -35.76      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.611    | -48.81      | -13         | Pass   |

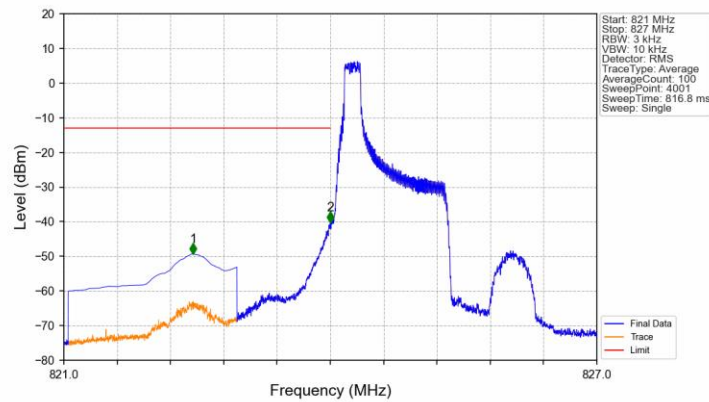
### Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | CHP    | 1          | 849.005    | -37.97      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -42.14      | -13         | Pass   |



### Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.455    | -49.27      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.999    | -40.16      | -13         | Pass   |
| 824         | 827        | 0.003     | /      | /          | /          | /           | /           | /      |

### Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV

