

# FCC LTE Band Test Data

**FCC ID** : 2AZHU-S52

**Company:** : Shenzhen Zigxico Technology Co., Ltd

**EUT** : Smart Camera

**Model Number** : S52

**Reviewed By** : 

# 1. Conducted Power

## 1.1 Test Result

### 1.1.1 B5\_1.4MHz\_

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Verdict |
|                                    |                 | Size          | Offset |                       |         |
| QPSK                               | 824.7           | 1             | 0      | 28.21                 | Pass    |
|                                    |                 |               | 2      | 28.25                 | Pass    |
|                                    |                 |               | 5      | 28.25                 | Pass    |
|                                    |                 | 3             | 0      | 28.21                 | Pass    |
|                                    |                 |               | 2      | 28.15                 | Pass    |
|                                    |                 |               | 3      | 28.20                 | Pass    |
|                                    |                 | 6             | 0      | 27.02                 | Pass    |
|                                    | 836.5           | 1             | 0      | 27.53                 | Pass    |
|                                    |                 |               | 2      | 27.49                 | Pass    |
|                                    |                 |               | 5      | 27.47                 | Pass    |
|                                    |                 | 3             | 0      | 27.46                 | Pass    |
|                                    |                 |               | 2      | 27.43                 | Pass    |
|                                    |                 |               | 3      | 27.41                 | Pass    |
|                                    |                 | 6             | 0      | 26.33                 | Pass    |
|                                    | 848.3           | 1             | 0      | 27.96                 | Pass    |
|                                    |                 |               | 2      | 27.78                 | Pass    |
|                                    |                 |               | 5      | 27.67                 | Pass    |
|                                    |                 | 3             | 0      | 27.83                 | Pass    |
|                                    |                 |               | 2      | 27.78                 | Pass    |
|                                    |                 |               | 3      | 27.71                 | Pass    |
|                                    |                 | 6             | 0      | 26.78                 | Pass    |
| 16QAM                              | 824.7           | 1             | 0      | 27.02                 | Pass    |
|                                    |                 |               | 2      | 27.01                 | Pass    |
|                                    |                 |               | 5      | 27.20                 | Pass    |
|                                    |                 | 3             | 0      | 27.14                 | Pass    |
|                                    |                 |               | 2      | 27.19                 | Pass    |
|                                    |                 |               | 3      | 27.16                 | Pass    |
|                                    |                 | 6             | 0      | 26.13                 | Pass    |
|                                    | 836.5           | 1             | 0      | 26.53                 | Pass    |
|                                    |                 |               | 2      | 26.51                 | Pass    |
|                                    |                 |               | 5      | 26.49                 | Pass    |
|                                    |                 | 3             | 0      | 26.35                 | Pass    |
|                                    |                 |               | 2      | 26.34                 | Pass    |
|                                    |                 |               | 3      | 26.34                 | Pass    |
|                                    |                 | 6             | 0      | 25.45                 | Pass    |
|                                    | 848.3           | 1             | 0      | 26.89                 | Pass    |
|                                    |                 |               | 2      | 26.79                 | Pass    |
|                                    |                 |               | 5      | 26.74                 | Pass    |
|                                    |                 | 3             | 0      | 27.03                 | Pass    |
|                                    |                 |               | 2      | 27.01                 | Pass    |
|                                    |                 |               | 3      | 26.98                 | Pass    |
|                                    |                 | 6             | 0      | 26.10                 | Pass    |

### 1.1.2 B5\_3MHz\_

| Band: 5 / Bandwidth: 3MHz / NTNV |           |               |                 |         |
|----------------------------------|-----------|---------------|-----------------|---------|
| Modulation                       | Frequency | RB Allocation | Conducted Power | Verdict |

|       | (MHz) | Size | Offset | (dBm) |      |
|-------|-------|------|--------|-------|------|
| QPSK  | 825.5 | 1    | 0      | 28.13 | Pass |
|       |       |      | 7      | 28.14 | Pass |
|       |       |      | 14     | 27.96 | Pass |
|       |       | 8    | 0      | 27.00 | Pass |
|       |       |      | 4      | 26.94 | Pass |
|       |       |      | 7      | 26.93 | Pass |
|       |       | 15   | 0      | 26.94 | Pass |
|       | 836.5 | 1    | 0      | 27.41 | Pass |
|       |       |      | 7      | 27.50 | Pass |
|       |       |      | 14     | 27.37 | Pass |
|       |       | 8    | 0      | 26.29 | Pass |
|       |       |      | 4      | 26.32 | Pass |
|       |       |      | 7      | 26.33 | Pass |
|       |       | 15   | 0      | 26.33 | Pass |
|       | 847.5 | 1    | 0      | 28.25 | Pass |
|       |       |      | 7      | 28.02 | Pass |
|       |       |      | 14     | 27.61 | Pass |
|       |       | 8    | 0      | 27.02 | Pass |
|       |       |      | 4      | 26.88 | Pass |
|       |       |      | 7      | 26.86 | Pass |
|       |       | 15   | 0      | 26.86 | Pass |
| 16QAM | 825.5 | 1    | 0      | 27.48 | Pass |
|       |       |      | 7      | 27.52 | Pass |
|       |       |      | 14     | 27.42 | Pass |
|       |       | 8    | 0      | 26.29 | Pass |
|       |       |      | 4      | 26.32 | Pass |
|       |       |      | 7      | 26.33 | Pass |
|       |       | 15   | 0      | 26.24 | Pass |
|       | 836.5 | 1    | 0      | 26.30 | Pass |
|       |       |      | 7      | 26.42 | Pass |
|       |       |      | 14     | 26.29 | Pass |
|       |       | 8    | 0      | 25.47 | Pass |
|       |       |      | 4      | 25.48 | Pass |
|       |       |      | 7      | 25.45 | Pass |
|       |       | 15   | 0      | 25.47 | Pass |
|       | 847.5 | 1    | 0      | 27.21 | Pass |
|       |       |      | 7      | 27.10 | Pass |
|       |       |      | 14     | 26.80 | Pass |
|       |       | 8    | 0      | 26.18 | Pass |
|       |       |      | 4      | 26.12 | Pass |
|       |       |      | 7      | 26.10 | Pass |
|       |       | 15   | 0      | 26.02 | Pass |

### 1.1.3 B5\_5MHz\_

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Verdict |
|                                  |                 | Size          | Offset |                       |         |
| QPSK                             | 826.5           | 1             | 0      | 28.42                 | Pass    |
|                                  |                 |               | 13     | 28.12                 | Pass    |
|                                  |                 |               | 24     | 28.34                 | Pass    |
|                                  |                 | 12            | 0      | 26.95                 | Pass    |
|                                  |                 |               | 6      | 26.95                 | Pass    |
|                                  |                 |               | 13     | 27.16                 | Pass    |
|                                  |                 | 25            | 0      | 26.83                 | Pass    |
|                                  | 836.5           | 1             | 0      | 27.59                 | Pass    |

|       |       |    |    |       |      |
|-------|-------|----|----|-------|------|
|       |       |    | 13 | 27.54 | Pass |
|       |       |    | 24 | 27.66 | Pass |
|       |       |    | 0  | 26.24 | Pass |
|       |       | 12 | 6  | 26.36 | Pass |
|       |       |    | 13 | 26.28 | Pass |
|       |       |    | 0  | 26.35 | Pass |
|       | 846.5 | 1  | 0  | 28.31 | Pass |
|       |       |    | 13 | 28.18 | Pass |
|       |       |    | 24 | 27.84 | Pass |
|       |       | 12 | 0  | 27.04 | Pass |
|       |       |    | 6  | 27.09 | Pass |
|       |       |    | 13 | 26.86 | Pass |
|       |       | 25 | 0  | 26.97 | Pass |
|       |       |    | 0  | 27.01 | Pass |
|       |       |    | 13 | 26.95 | Pass |
| 16QAM | 826.5 | 1  | 24 | 27.20 | Pass |
|       |       |    | 0  | 26.15 | Pass |
|       |       |    | 6  | 26.24 | Pass |
|       |       | 12 | 13 | 26.32 | Pass |
|       |       |    | 0  | 26.06 | Pass |
|       |       |    | 0  | 26.51 | Pass |
|       | 836.5 | 1  | 13 | 26.47 | Pass |
|       |       |    | 24 | 26.57 | Pass |
|       |       |    | 0  | 25.39 | Pass |
|       |       | 12 | 6  | 25.45 | Pass |
|       |       |    | 13 | 25.43 | Pass |
|       |       |    | 0  | 25.47 | Pass |
|       | 846.5 | 1  | 0  | 27.35 | Pass |
|       |       |    | 13 | 27.37 | Pass |
|       |       |    | 24 | 27.04 | Pass |
|       |       | 12 | 0  | 26.19 | Pass |
|       |       |    | 6  | 26.31 | Pass |
|       |       |    | 13 | 26.08 | Pass |
|       |       | 25 | 0  | 26.11 | Pass |

#### 1.1.4 B5\_10MHz\_

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Verdict |
|                                   |                 | Size          | Offset |                       |         |
| QPSK                              | 829             | 1             | 0      | 28.38                 | Pass    |
|                                   |                 |               | 25     | 28.10                 | Pass    |
|                                   |                 |               | 49     | 27.51                 | Pass    |
|                                   |                 | 25            | 0      | 26.66                 | Pass    |
|                                   |                 |               | 13     | 26.95                 | Pass    |
|                                   |                 |               | 25     | 26.65                 | Pass    |
|                                   |                 | 50            | 0      | 26.67                 | Pass    |
|                                   | 836.5           | 1             | 0      | 27.86                 | Pass    |
|                                   |                 |               | 25     | 27.41                 | Pass    |
|                                   |                 |               | 49     | 27.82                 | Pass    |
|                                   |                 | 25            | 0      | 26.08                 | Pass    |
|                                   |                 |               | 13     | 26.27                 | Pass    |
|                                   |                 |               | 25     | 26.16                 | Pass    |
|                                   |                 | 50            | 0      | 26.29                 | Pass    |
|                                   |                 |               | 0      | 27.72                 | Pass    |
|                                   |                 |               | 25     | 28.04                 | Pass    |
|                                   | 844             | 1             | 49     | 27.95                 | Pass    |

|       |       |    |    |       |      |
|-------|-------|----|----|-------|------|
| 16QAM |       | 25 | 0  | 26.37 | Pass |
|       |       |    | 13 | 26.86 | Pass |
|       |       |    | 25 | 26.84 | Pass |
|       |       | 50 | 0  | 26.76 | Pass |
|       | 829   | 1  | 0  | 27.68 | Pass |
|       |       |    | 25 | 27.50 | Pass |
|       |       |    | 49 | 26.90 | Pass |
|       |       | 12 | 0  | 27.11 | Pass |
|       |       |    | 19 | 27.06 | Pass |
|       |       |    | 38 | 26.69 | Pass |
|       |       | 27 | 0  | 25.90 | Pass |
|       | 836.5 | 1  | 0  | 26.70 | Pass |
|       |       |    | 25 | 26.31 | Pass |
|       |       |    | 49 | 26.61 | Pass |
|       |       | 12 | 0  | 26.46 | Pass |
|       |       |    | 19 | 26.31 | Pass |
|       |       |    | 38 | 26.56 | Pass |
|       |       | 27 | 0  | 25.27 | Pass |
|       | 844   | 1  | 0  | 26.70 | Pass |
|       |       |    | 25 | 27.11 | Pass |
|       |       |    | 49 | 27.12 | Pass |
|       |       | 12 | 0  | 26.50 | Pass |
|       |       |    | 19 | 26.92 | Pass |
|       |       |    | 38 | 27.03 | Pass |
|       |       | 27 | 23 | 25.98 | Pass |

## 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          | 19.054           | 0.0231                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 14.176           | 0.0172                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 16.093           | 0.0195                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 16.351           | 0.0198                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 18.325           | 0.0222                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 22.273           | 0.0270                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 11.029           | 0.0134                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 24.362           | 0.0295                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 16.265           | 0.0197                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 19.870           | 0.0241                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 24.619           | 0.0299                | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.27          | 16.565           | 0.0198                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 15.593           | 0.0186                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 10.085           | 0.0121                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 22.473           | 0.0269                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 19.627           | 0.0235                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 19.541           | 0.0234                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 6.967            | 0.0083                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 17.552           | 0.0210                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 24.519           | 0.0293                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 10.800           | 0.0129                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 15.779           | 0.0189                | -2.5 to 2.5 | Pass    |
|                             | 848.3           | 6             | 0      | 20         | 3.27          | -17.838          | -0.0210               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 10.886           | 0.0128                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 26.793           | 0.0316                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 4.206            | 0.0050                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 9.341            | 0.0110                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 9.341            | 0.0110                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 7.296            | 0.0086                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 11.888           | 0.0140                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -3.090           | -0.0036               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 9.527            | 0.0112                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 5.693            | 0.0067                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 824.7           | 6             | 0      | 20         | 3.27          | 24.304           | 0.0295                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 24.533           | 0.0297                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 9.084            | 0.0110                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 8.054            | 0.0098                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 6.480            | 0.0079                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 8.826            | 0.0107                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 13.218           | 0.0160                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 20.914           | 0.0254                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 19.512           | 0.0237                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 23.861           | 0.0289                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 10.629           | 0.0129                | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.27          | 13.075           | 0.0156                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -11.230          | -0.0134               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.137           | -0.0073               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -13.275          | -0.0159               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 7.210            | 0.0086                | -2.5 to 2.5 | Pass    |

|  |       |   |   |     |      |         |         |             |      |
|--|-------|---|---|-----|------|---------|---------|-------------|------|
|  |       |   |   | -10 | 3.85 | 11.215  | 0.0134  | -2.5 to 2.5 | Pass |
|  |       |   |   | 0   | 3.85 | 4.706   | 0.0056  | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.85 | 26.350  | 0.0315  | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.85 | 1.516   | 0.0018  | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.85 | 1.903   | 0.0023  | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.85 | 24.633  | 0.0294  | -2.5 to 2.5 | Pass |
|  | 848.3 | 6 | 0 | 20  | 3.27 | 4.120   | 0.0049  | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 3.85 | -20.986 | -0.0247 | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 4.43 | -23.947 | -0.0282 | -2.5 to 2.5 | Pass |
|  |       |   |   | -30 | 3.85 | -26.536 | -0.0313 | -2.5 to 2.5 | Pass |
|  |       |   |   | -20 | 3.85 | -3.548  | -0.0042 | -2.5 to 2.5 | Pass |
|  |       |   |   | -10 | 3.85 | -17.567 | -0.0207 | -2.5 to 2.5 | Pass |
|  |       |   |   | 0   | 3.85 | -15.378 | -0.0181 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.85 | -25.506 | -0.0301 | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.85 | -16.723 | -0.0197 | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.85 | -6.738  | -0.0079 | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.85 | -20.299 | -0.0239 | -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          | 15.163           | 0.0184                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 14.949           | 0.0181                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 14.305           | 0.0173                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 15.507           | 0.0188                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 16.751           | 0.0203                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 19.455           | 0.0236                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 8.469            | 0.0103                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 10.085           | 0.0122                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 5.765            | 0.0070                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 22.802           | 0.0276                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 16.322           | 0.0198                | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 15            | 0      | 20         | 3.27          | 14.119           | 0.0169                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 14.205           | 0.0170                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 18.668           | 0.0223                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 15.678           | 0.0187                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 19.841           | 0.0237                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 13.776           | 0.0165                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 18.797           | 0.0225                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 21.915           | 0.0262                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 13.704           | 0.0164                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 11.086           | 0.0133                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 15.936           | 0.0191                | -2.5 to 2.5 | Pass    |
|                           | 847.5           | 15            | 0      | 20         | 3.27          | -17.223          | -0.0203               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 22.359           | 0.0264                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 24.004           | 0.0283                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 9.899            | 0.0117                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 10.586           | 0.0125                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 16.065           | 0.0190                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 6.309            | 0.0074                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 12.975           | 0.0153                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 21.758           | 0.0257                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 7.224            | 0.0085                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 14.162           | 0.0167                | -2.5 to 2.5 | Pass    |
| 16QAM                     | 825.5           | 15            | 0      | 20         | 3.27          | 10.915           | 0.0132                | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   |     | 3.85 | -19.383 | -0.0235 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -19.670 | -0.0238 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -12.860 | -0.0156 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -6.452  | -0.0078 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -20.943 | -0.0254 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -7.739  | -0.0094 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -18.239 | -0.0221 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -7.153  | -0.0087 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -6.738  | -0.0082 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | 10.171  | 0.0123  | -2.5 to 2.5 | Pass |
|  | 836.5 | 15 | 0 | 20  | 3.27 | 0.687   | 0.0008  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -22.359 | -0.0267 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -24.590 | -0.0294 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -21.658 | -0.0259 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -3.562  | -0.0043 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -6.680  | -0.0080 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -17.753 | -0.0212 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -1.330  | -0.0016 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -19.727 | -0.0236 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -7.453  | -0.0089 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -6.738  | -0.0081 | -2.5 to 2.5 | Pass |
|  | 847.5 | 15 | 0 | 20  | 3.27 | 5.665   | 0.0067  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -10.071 | -0.0119 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -12.875 | -0.0152 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -6.895  | -0.0081 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -10.171 | -0.0120 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -23.203 | -0.0274 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -5.908  | -0.0070 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -0.329  | -0.0004 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -14.677 | -0.0173 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -4.048  | -0.0048 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -1.845  | -0.0022 | -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          | 19.398           | 0.0235                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 16.236           | 0.0196                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 14.477           | 0.0175                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 18.826           | 0.0228                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 14.334           | 0.0173                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 14.348           | 0.0174                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 14.391           | 0.0174                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 14.076           | 0.0170                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 10.228           | 0.0124                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 12.918           | 0.0156                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 19.226           | 0.0233                | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.27          | 19.712           | 0.0236                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 16.408           | 0.0196                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 13.704           | 0.0164                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 13.719           | 0.0164                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 18.182           | 0.0217                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 16.766           | 0.0200                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 15.321           | 0.0183                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 15.192           | 0.0182                | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       |       |    |   | 30  | 3.85 | 12.503  | 0.0149  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 17.095  | 0.0204  | -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 | -9.499  | -0.0112 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | 15.221  | 0.0180  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | 12.045  | 0.0142  | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | 19.612  | 0.0232  | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 9.899   | 0.0117  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 22.216  | 0.0262  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 22.931  | 0.0271  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 10.629  | 0.0126  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 5.178   | 0.0061  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 23.303  | 0.0275  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 12.460  | 0.0147  | -2.5 to 2.5 | Pass |
| 16QAM | 826.5 | 25 | 0 | 20  | 3.27 | 11.601  | 0.0140  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -25.492 | -0.0308 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -25.907 | -0.0313 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -16.108 | -0.0195 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 1.316   | 0.0016  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 3.319   | 0.0040  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -0.186  | -0.0002 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -17.266 | -0.0209 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -18.711 | -0.0226 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -14.191 | -0.0172 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -4.921  | -0.0060 | -2.5 to 2.5 | Pass |
|       | 836.5 | 25 | 0 | 20  | 3.27 | -10.285 | -0.0123 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -19.212 | -0.0230 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -21.429 | -0.0256 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -14.162 | -0.0169 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -15.993 | -0.0191 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -24.462 | -0.0292 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -2.732  | -0.0033 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 12.131  | 0.0145  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 15.392  | 0.0184  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 22.273  | 0.0266  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 9.584   | 0.0115  | -2.5 to 2.5 | Pass |
|       | 846.5 | 25 | 0 | 20  | 3.27 | -14.963 | -0.0177 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -13.633 | -0.0161 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -22.030 | -0.0260 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -25.992 | -0.0307 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -15.192 | -0.0179 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -26.636 | -0.0315 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -8.497  | -0.0100 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -17.238 | -0.0204 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -25.277 | -0.0299 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -18.868 | -0.0223 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -4.478  | -0.0053 | -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          | 14.749           | 0.0178                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 13.962           | 0.0168                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 16.565           | 0.0200                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 15.421           | 0.0186                | -2.5 to 2.5 | Pass    |

|       |       |    |    |     |      |         |         |             |      |
|-------|-------|----|----|-----|------|---------|---------|-------------|------|
|       |       |    |    | -20 | 3.85 | 14.749  | 0.0178  | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.85 | 15.435  | 0.0186  | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.85 | 14.949  | 0.0180  | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.85 | 16.851  | 0.0203  | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.85 | 14.820  | 0.0179  | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.85 | 10.972  | 0.0132  | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.85 | 13.790  | 0.0166  | -2.5 to 2.5 | Pass |
|       | 836.5 | 50 | 0  | 20  | 3.27 | 17.252  | 0.0206  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.85 | 16.937  | 0.0202  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.43 | 16.723  | 0.0200  | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.85 | 15.092  | 0.0180  | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.85 | 16.179  | 0.0193  | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.85 | 16.208  | 0.0194  | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.85 | 11.902  | 0.0142  | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.85 | 13.919  | 0.0166  | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.85 | 13.533  | 0.0162  | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.85 | 15.607  | 0.0187  | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.85 | 17.338  | 0.0207  | -2.5 to 2.5 | Pass |
|       | 844   | 50 | 0  | 20  | 3.27 | 19.484  | 0.0231  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.85 | 15.607  | 0.0185  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.43 | 17.481  | 0.0207  | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.85 | 16.179  | 0.0192  | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.85 | 18.582  | 0.0220  | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.85 | 12.646  | 0.0150  | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.85 | 15.392  | 0.0182  | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.85 | 16.050  | 0.0190  | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.85 | 17.581  | 0.0208  | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.85 | 18.225  | 0.0216  | -2.5 to 2.5 | Pass |
| 16QAM | 829   | 27 | 0  | 20  | 3.27 | 2.446   | 0.0030  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.85 | -15.993 | -0.0193 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.43 | -10.099 | -0.0122 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.85 | -17.767 | -0.0214 | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.85 | -6.666  | -0.0080 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.85 | -13.261 | -0.0160 | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.85 | -20.285 | -0.0245 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.85 | -17.524 | -0.0211 | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.85 | -0.744  | -0.0009 | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.85 | -22.702 | -0.0274 | -2.5 to 2.5 | Pass |
|       | 836.5 | 27 | 0  | 20  | 3.27 | -14.691 | -0.0176 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.85 | -18.311 | -0.0219 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.43 | -18.282 | -0.0219 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.85 | -22.488 | -0.0269 | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.85 | -15.206 | -0.0182 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.85 | -17.266 | -0.0206 | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.85 | -15.106 | -0.0181 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.85 | 4.678   | 0.0056  | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.85 | 5.579   | 0.0067  | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.85 | -10.529 | -0.0126 | -2.5 to 2.5 | Pass |
|       | 844   | 27 | 23 | 20  | 3.27 | 0.901   | 0.0011  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.85 | -16.451 | -0.0195 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.43 | -13.905 | -0.0165 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.85 | -17.610 | -0.0209 | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.85 | -8.783  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.85 | -25.363 | -0.0301 | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.85 | -7.253  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.85 | -13.218 | -0.0157 | -2.5 to 2.5 | Pass |

|  |  |  |  |    |      |         |         |             |      |
|--|--|--|--|----|------|---------|---------|-------------|------|
|  |  |  |  | 30 | 3.85 | -15.450 | -0.0183 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | -15.149 | -0.0179 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -8.655  | -0.0103 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

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

| Band: 5 / Bandwidth: 1.4MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | 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 / NTV |                 |               |        |                            |       |         |
|---------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                 |                 | 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

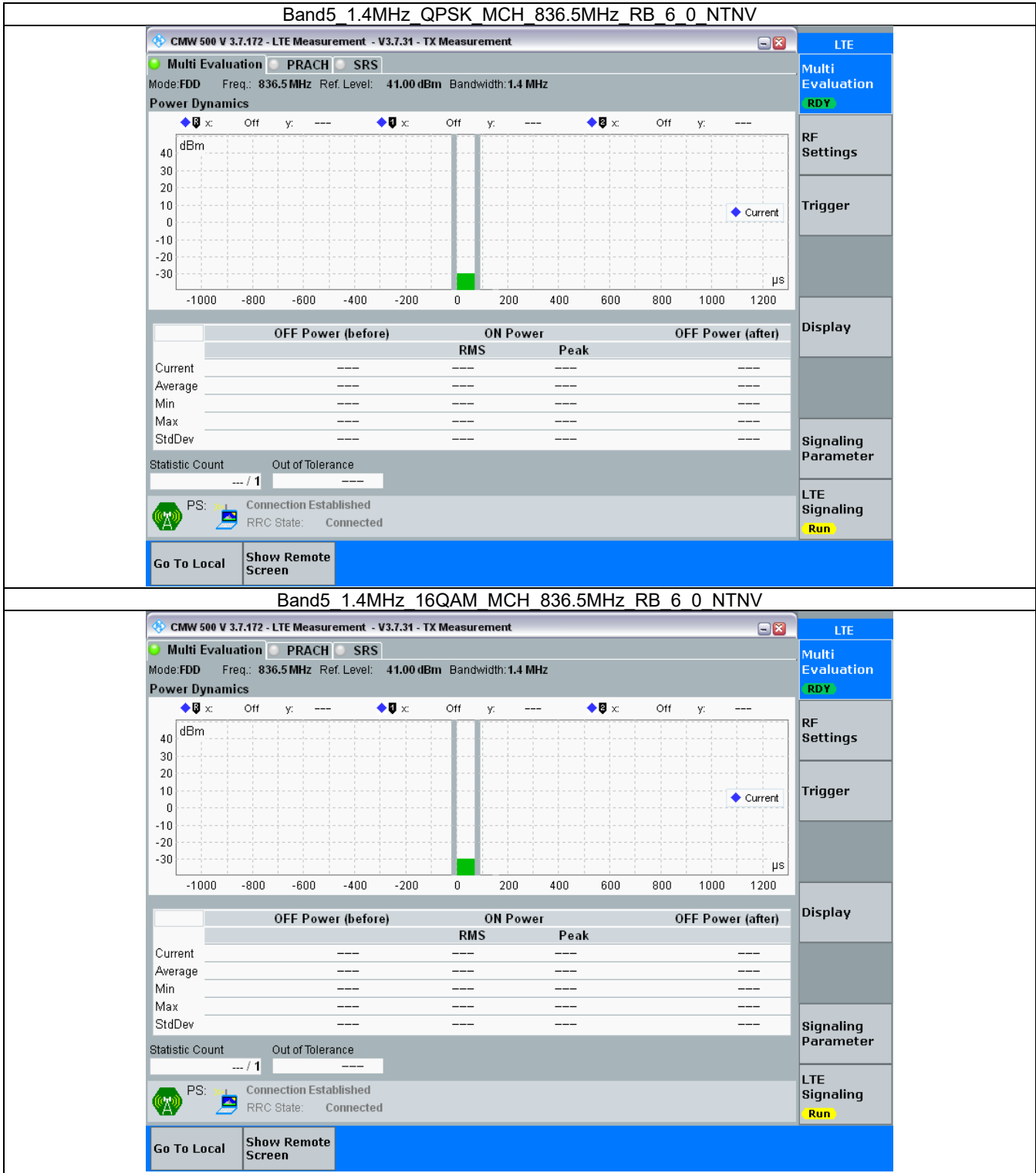
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (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

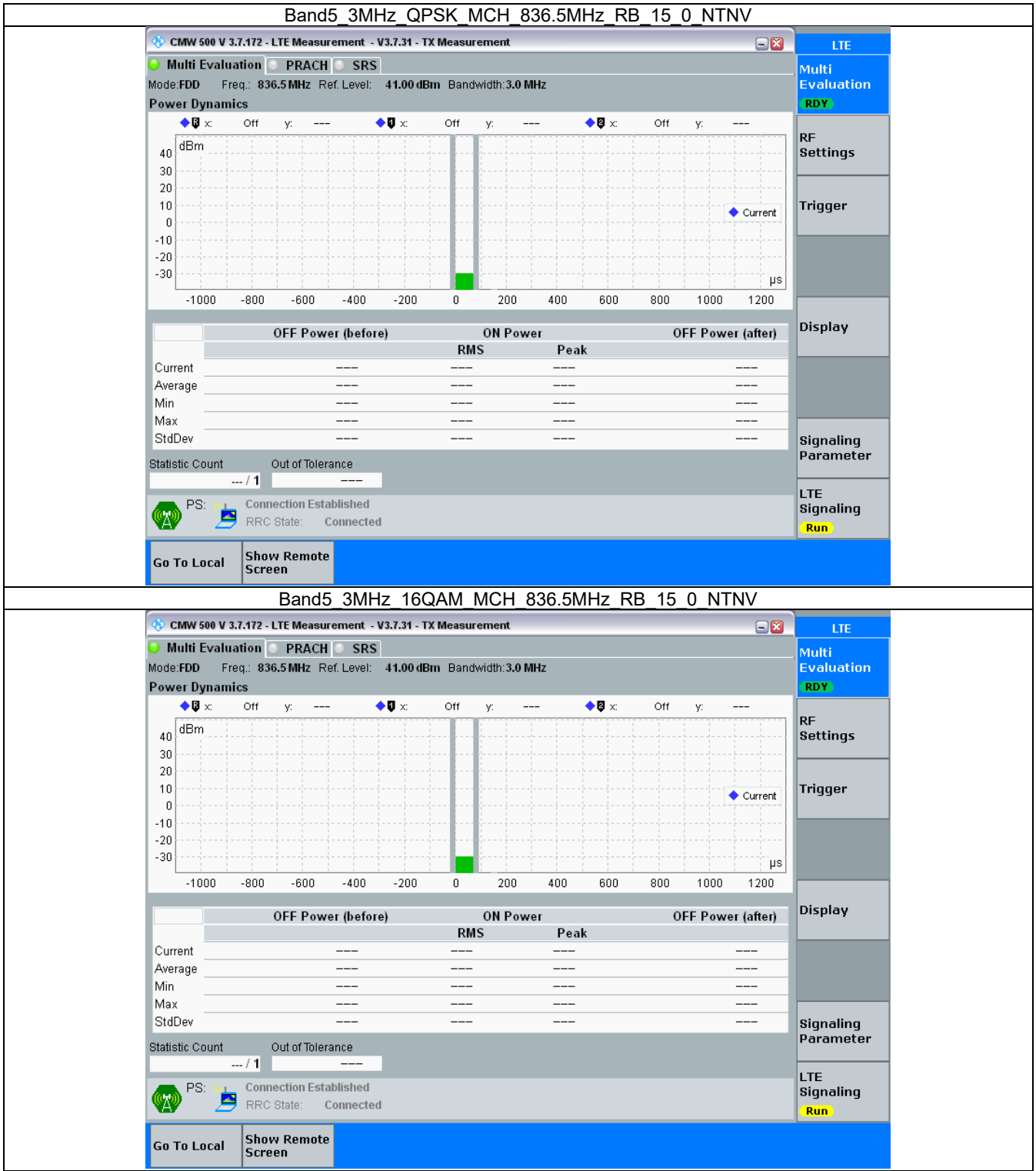
| Band: 5 / Bandwidth: 10MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 836.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 836.5           | 27            | 0      | Refer To Test Graph        |       | Pass    |

3.2 Test Graph

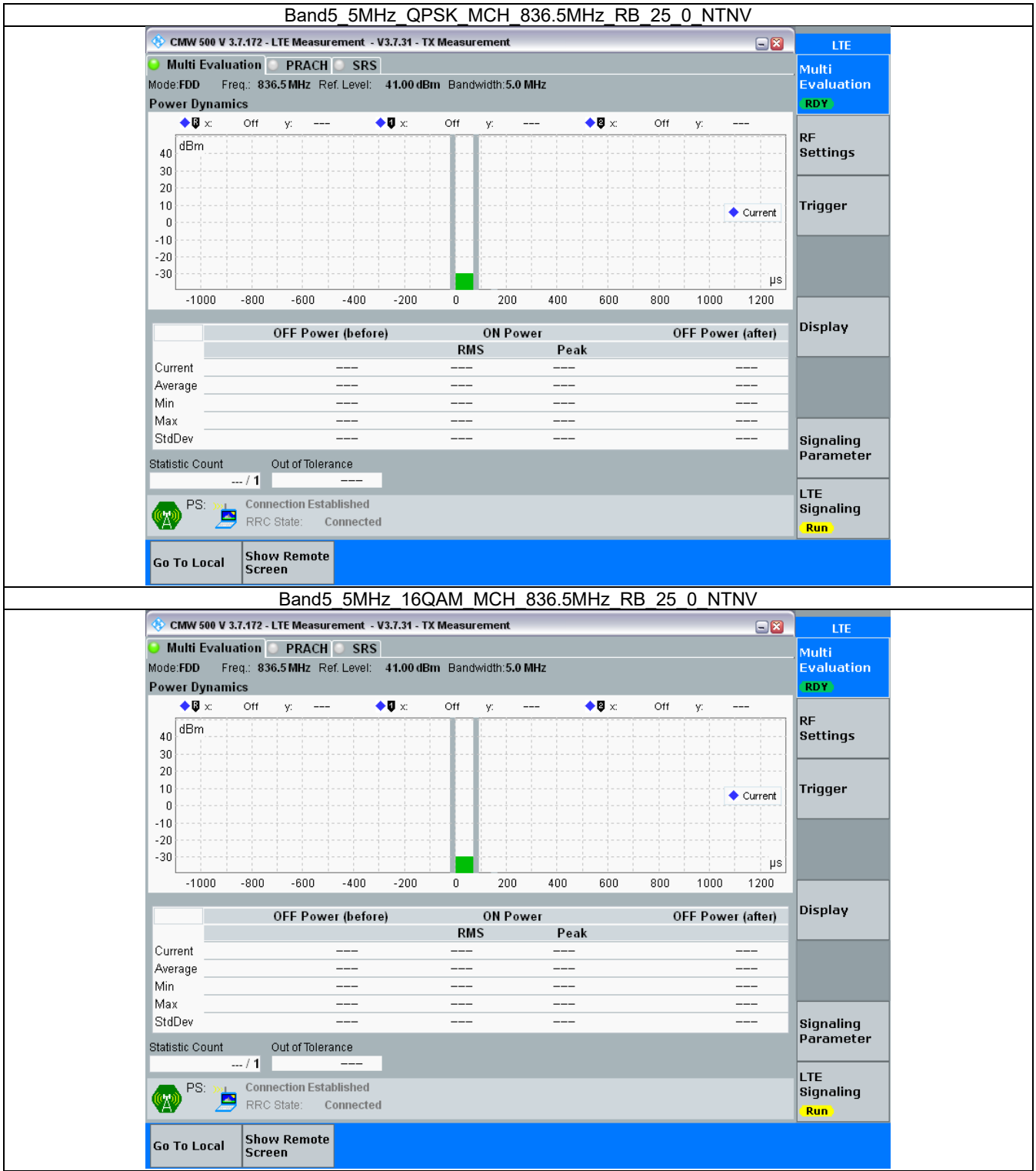
3.2.1 B5\_1.4MHz



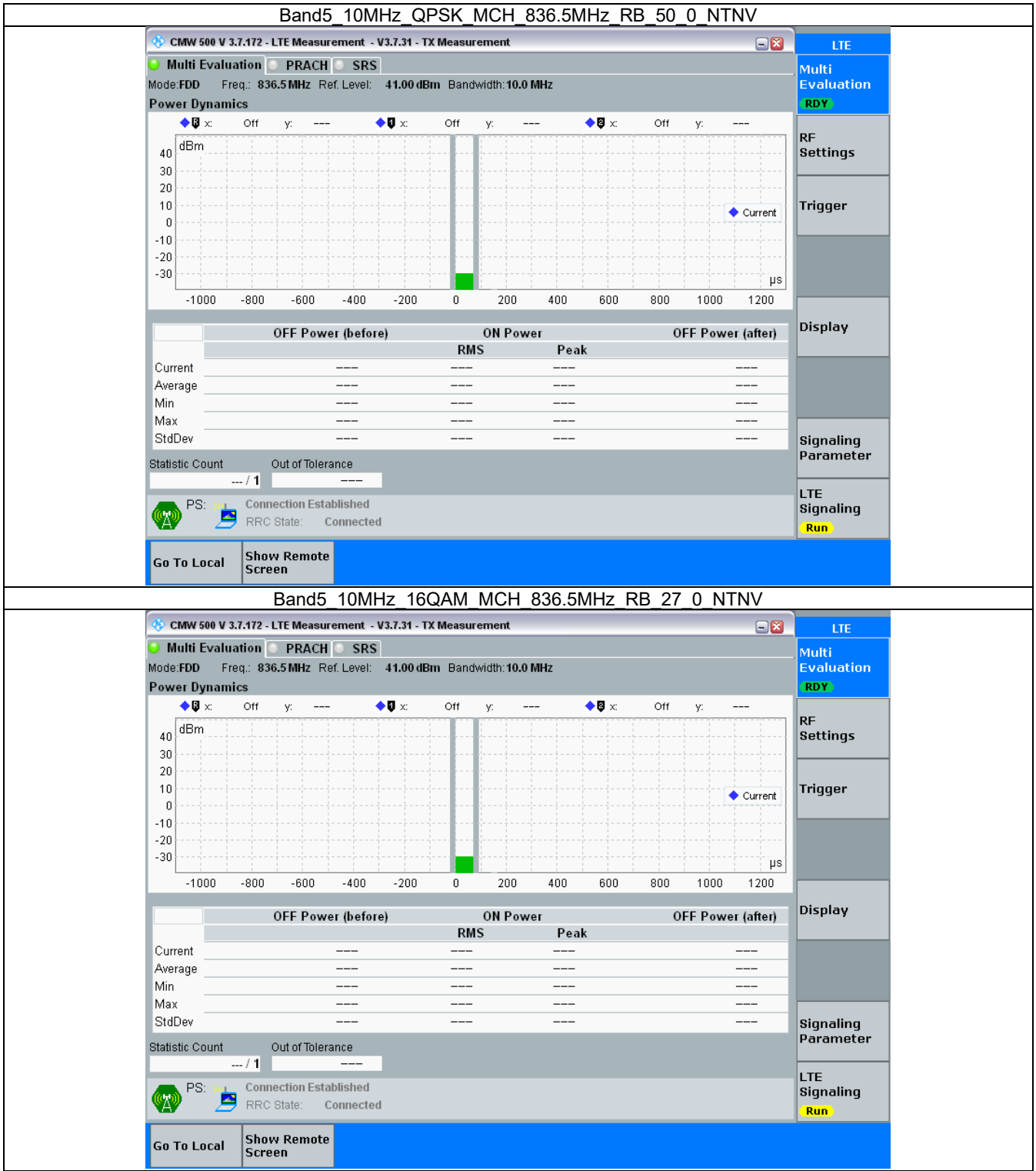
3.2.2 B5\_3MHz



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 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.117                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.101                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.124                        | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.113                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.104                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.112                        | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.737                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.736                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.741                        | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.732                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.726                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.738                        | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 4.537                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.552                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.541                        | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 4.530                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.547                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.544                        | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.030                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.037                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.020                        | /     | Pass    |
|                 | 16QAM      | 829             | 27            | 0      | 5.048                        | /     | Pass    |
|                 |            | 836.5           | 27            | 0      | 5.060                        | /     | Pass    |
|                 |            | 844             | 27            | 23     | 5.040                        | /     | Pass    |

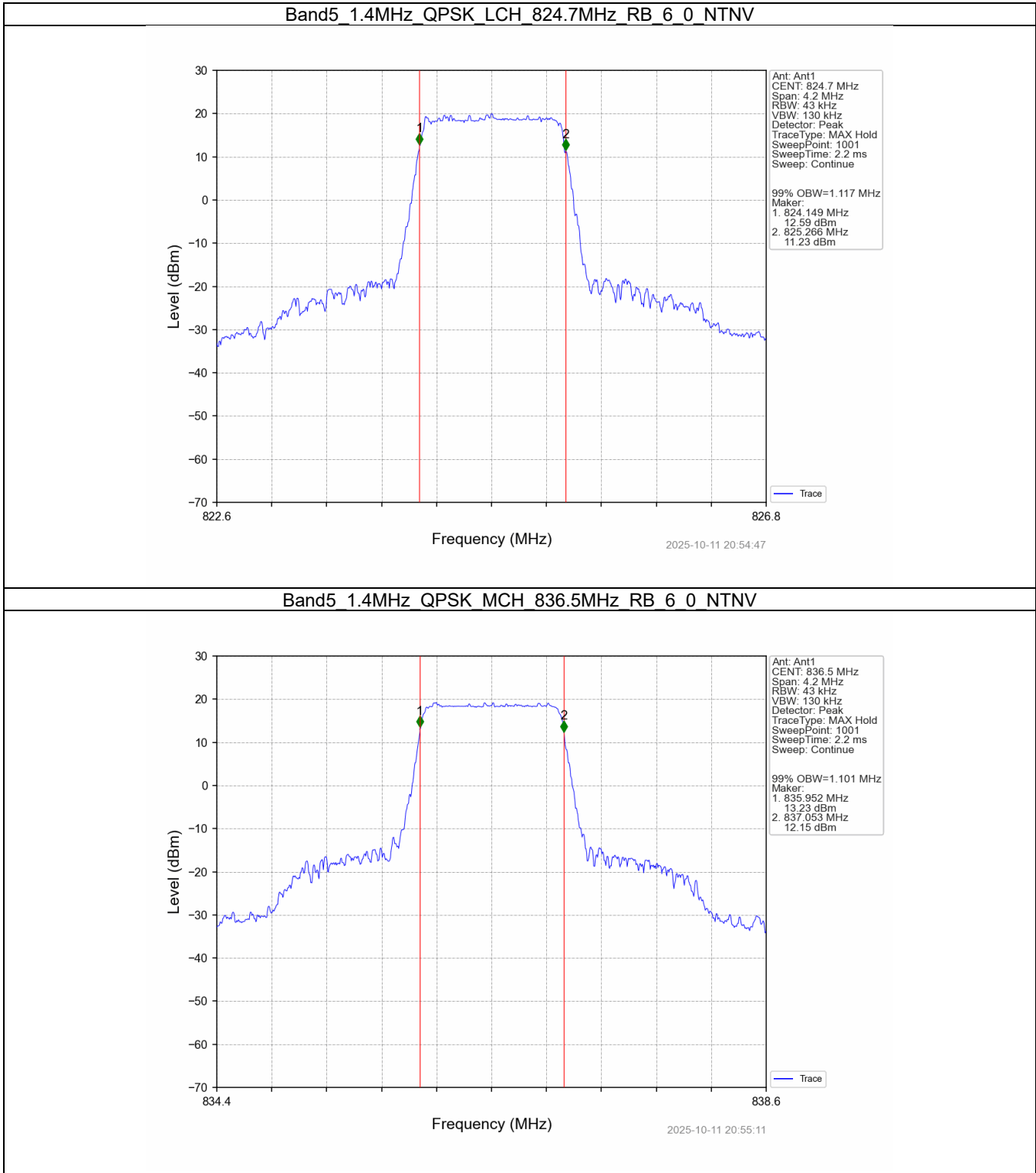
#### 4.1.2 Band5\_XDB

| Band: 5 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.308                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.317                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.300                | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.300                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.318                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.300                | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 3.013                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.020                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.012                | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 3.001                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.034                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.012                | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 5.025                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.010                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 5.053                | /     | Pass    |

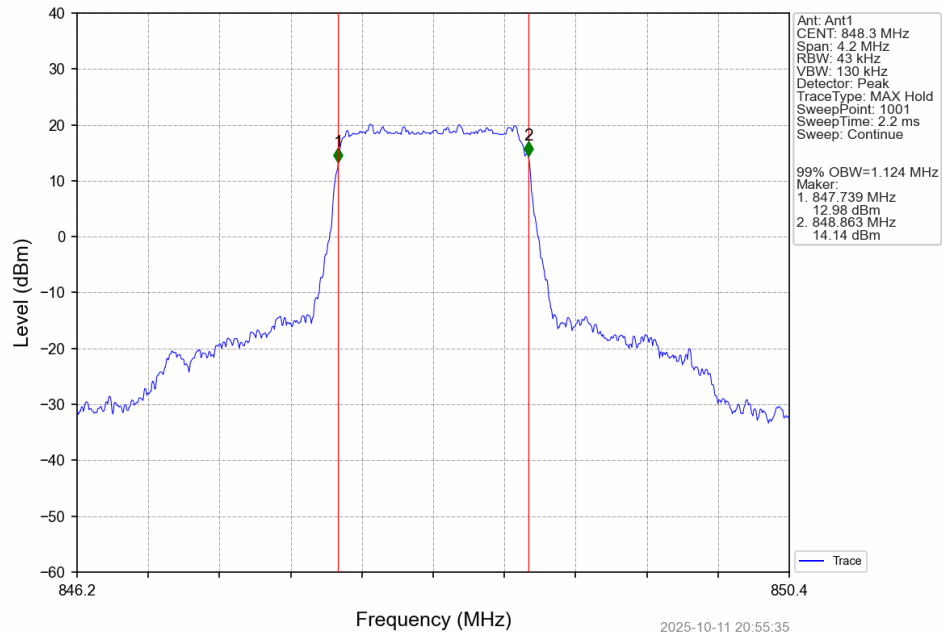
|    |       |       |    |    |       |   |      |
|----|-------|-------|----|----|-------|---|------|
|    | 16QAM | 826.5 | 25 | 0  | 4.978 | / | Pass |
|    |       | 836.5 | 25 | 0  | 5.071 | / | Pass |
|    |       | 846.5 | 25 | 0  | 5.020 | / | Pass |
| 10 | QPSK  | 829   | 50 | 0  | 9.910 | / | Pass |
|    |       | 836.5 | 50 | 0  | 9.944 | / | Pass |
|    |       | 844   | 50 | 0  | 9.932 | / | Pass |
|    | 16QAM | 829   | 27 | 0  | 5.835 | / | Pass |
|    |       | 836.5 | 27 | 0  | 5.898 | / | Pass |
|    |       | 844   | 27 | 23 | 5.832 | / | Pass |

4.2 Test Graph

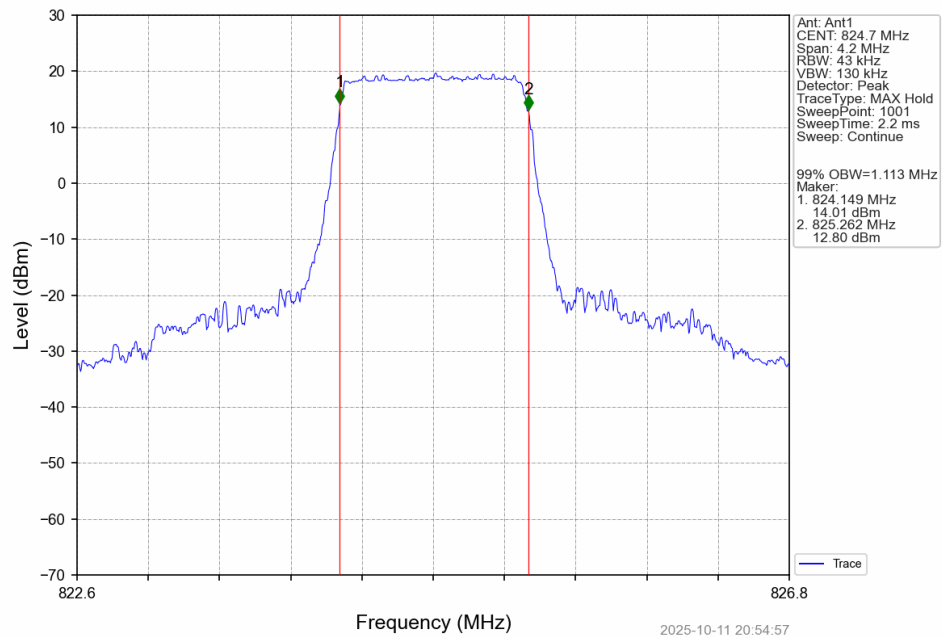
4.2.1 Band5\_OBW



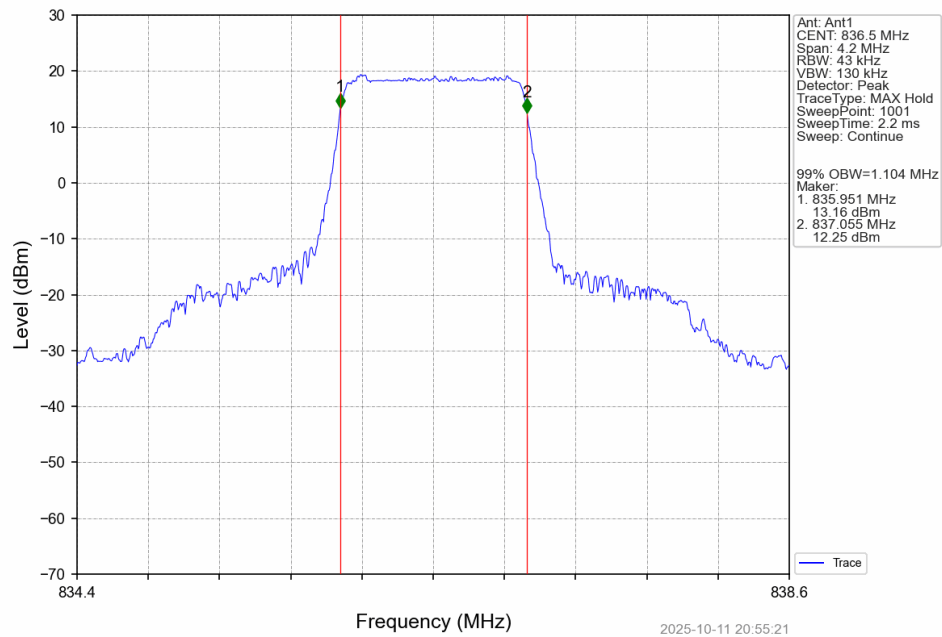
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



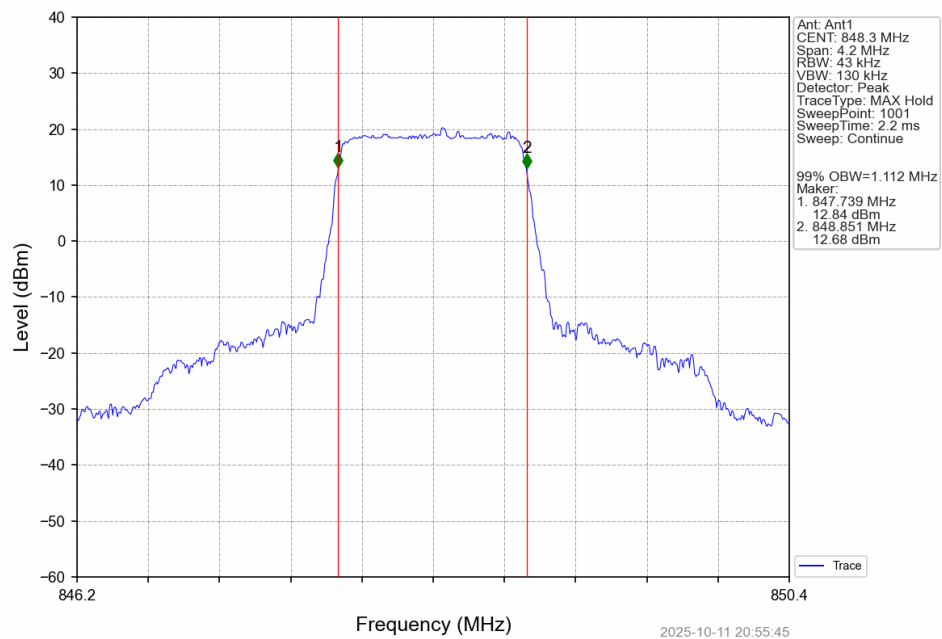
# Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



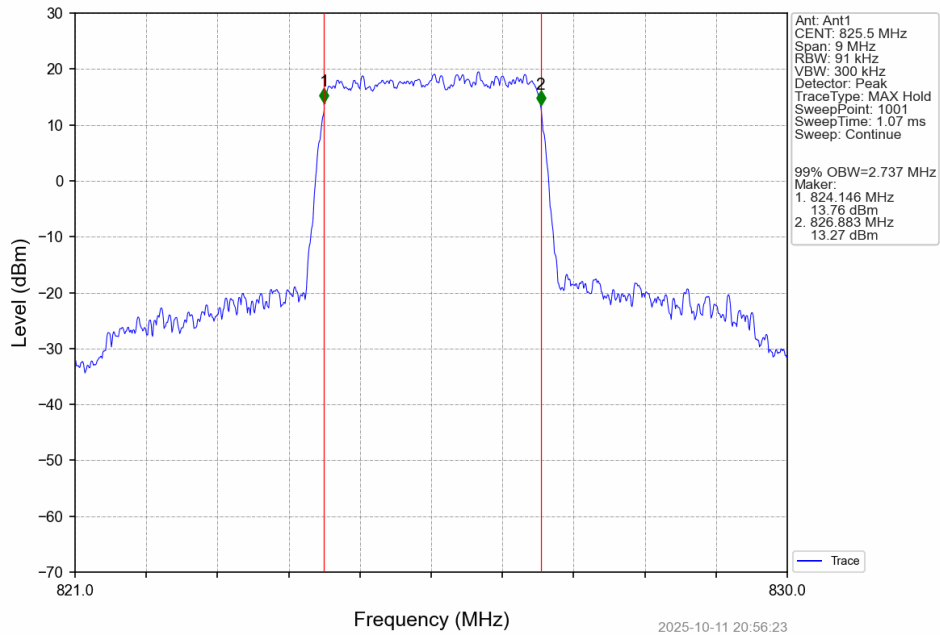
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



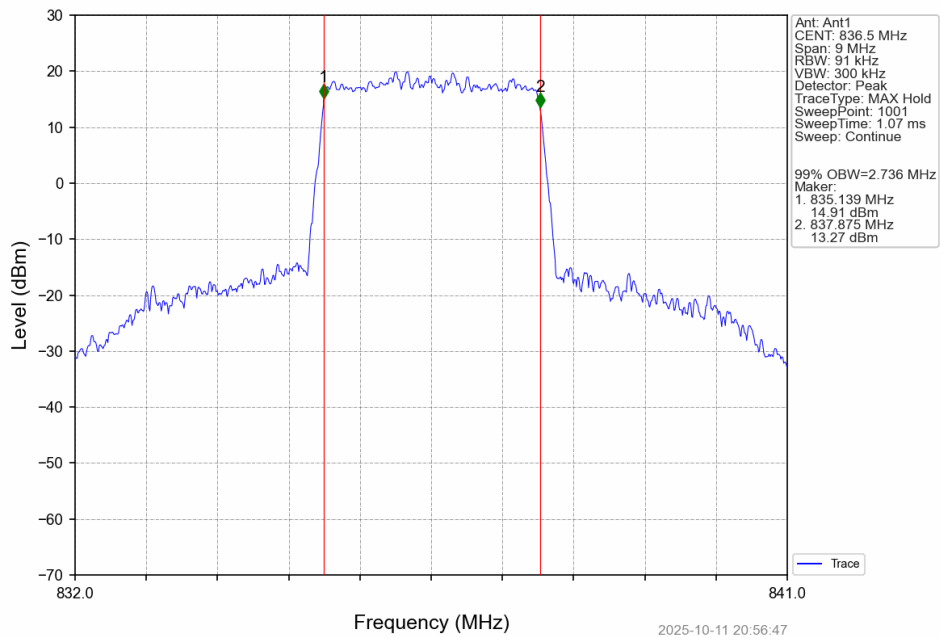
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



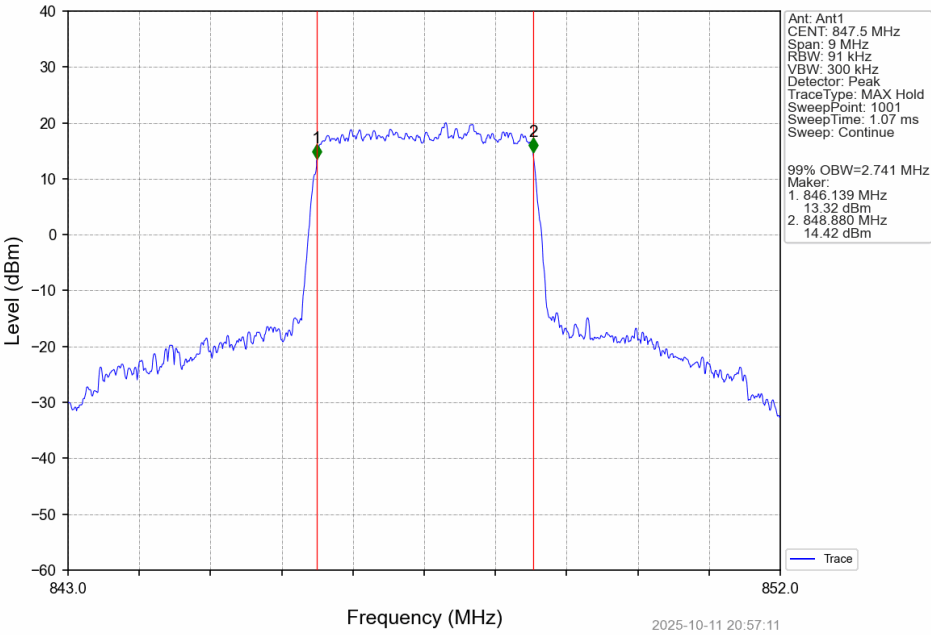
# Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



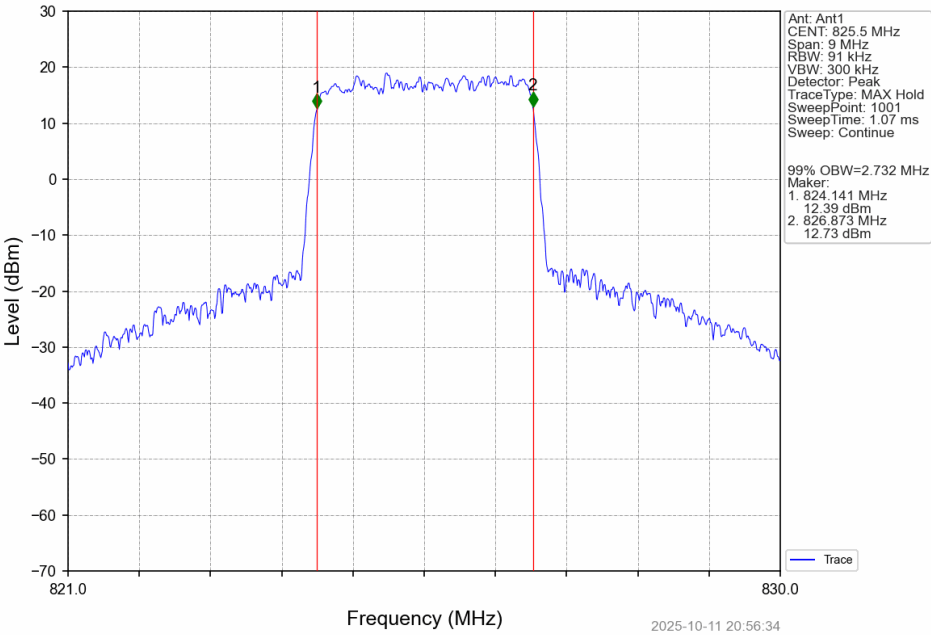
# Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



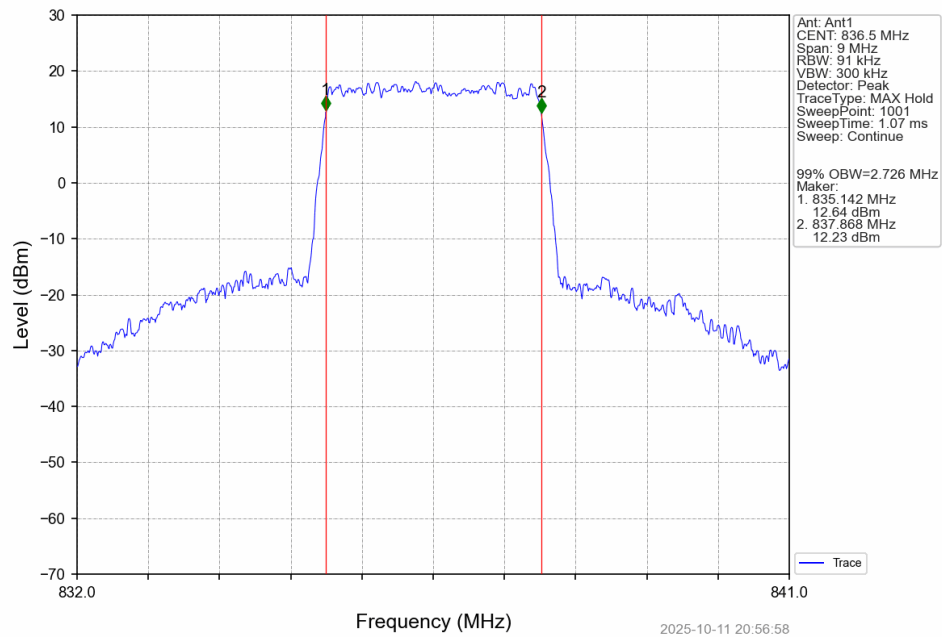
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



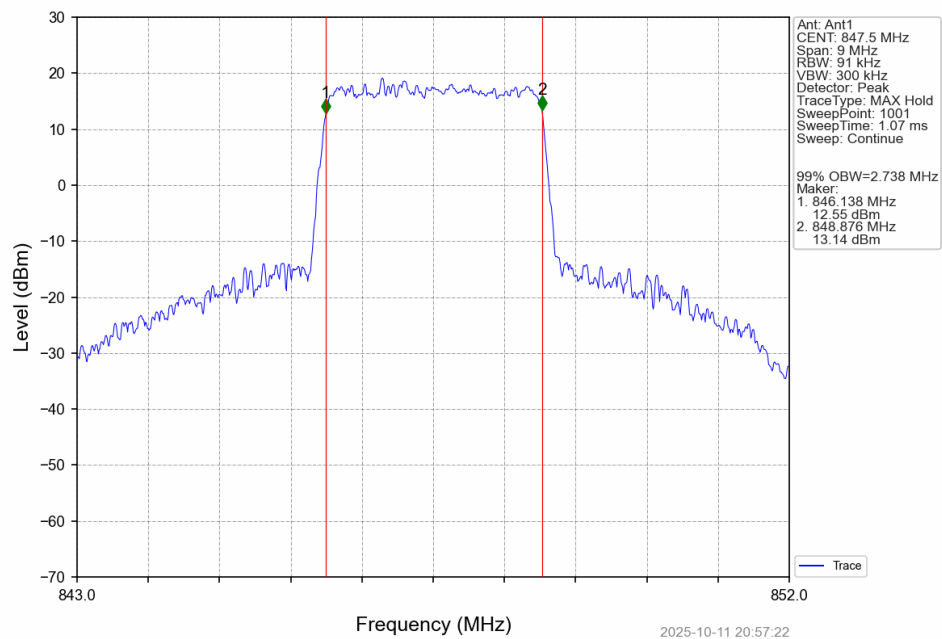
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



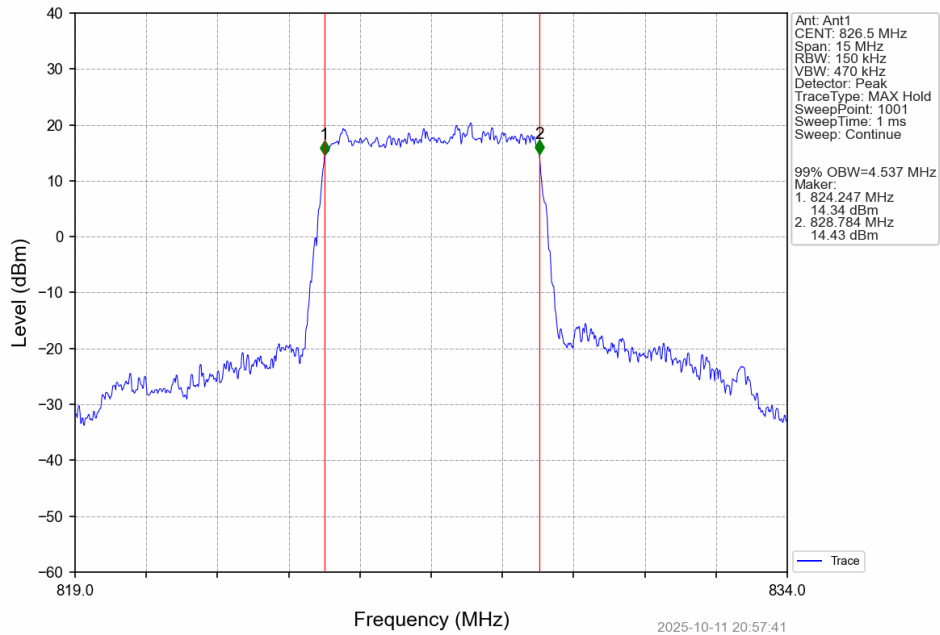
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



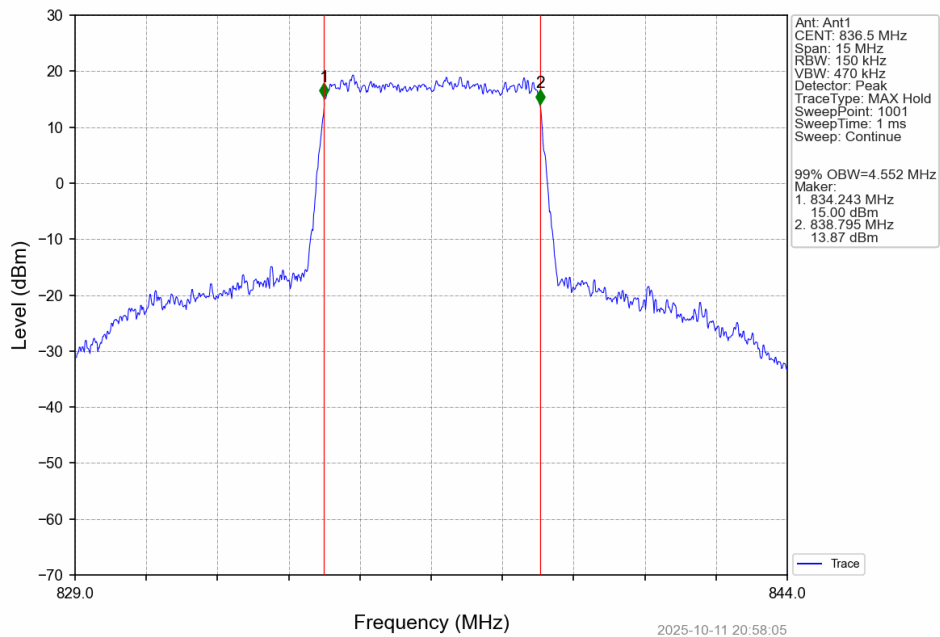
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



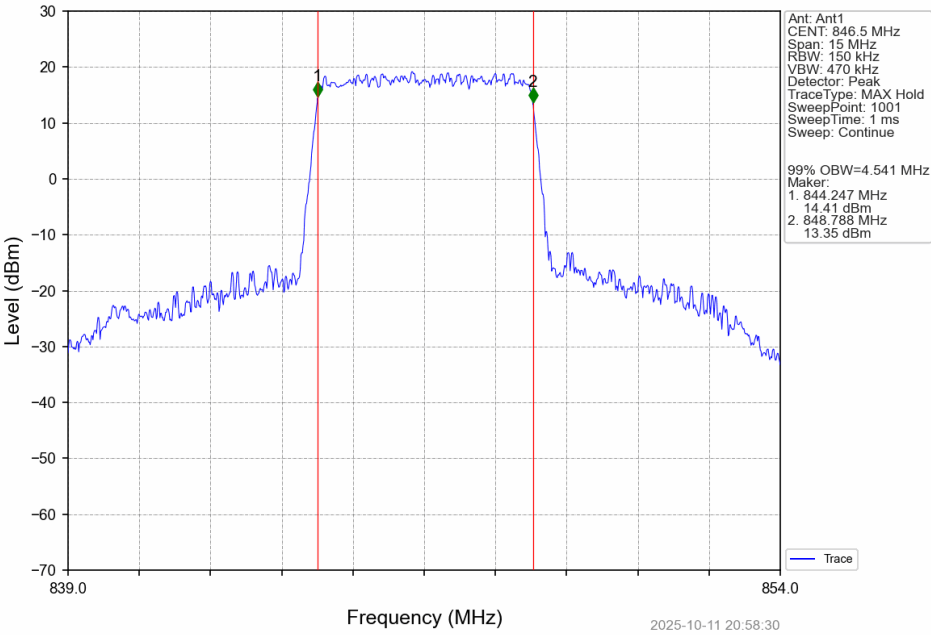
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



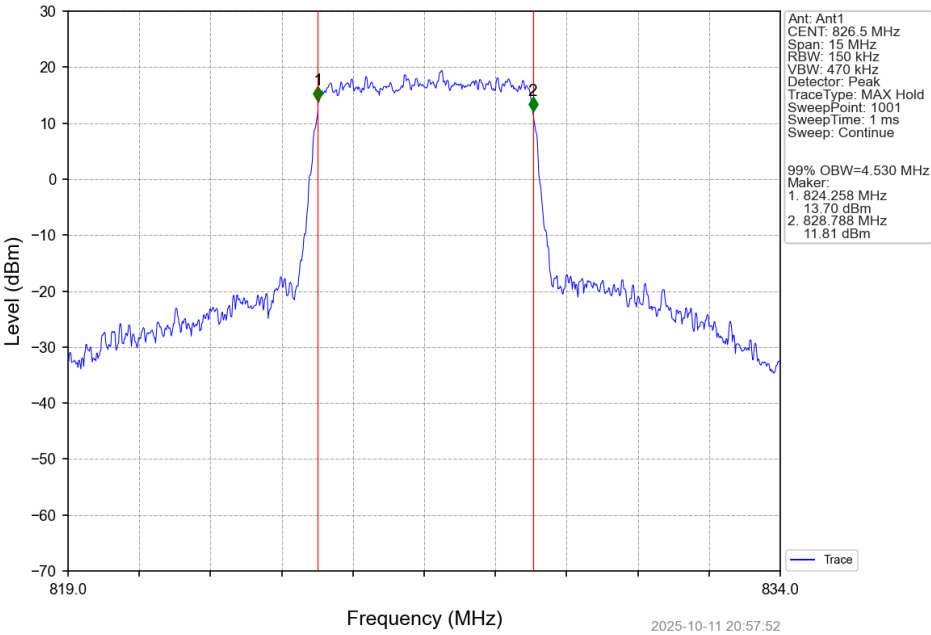
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



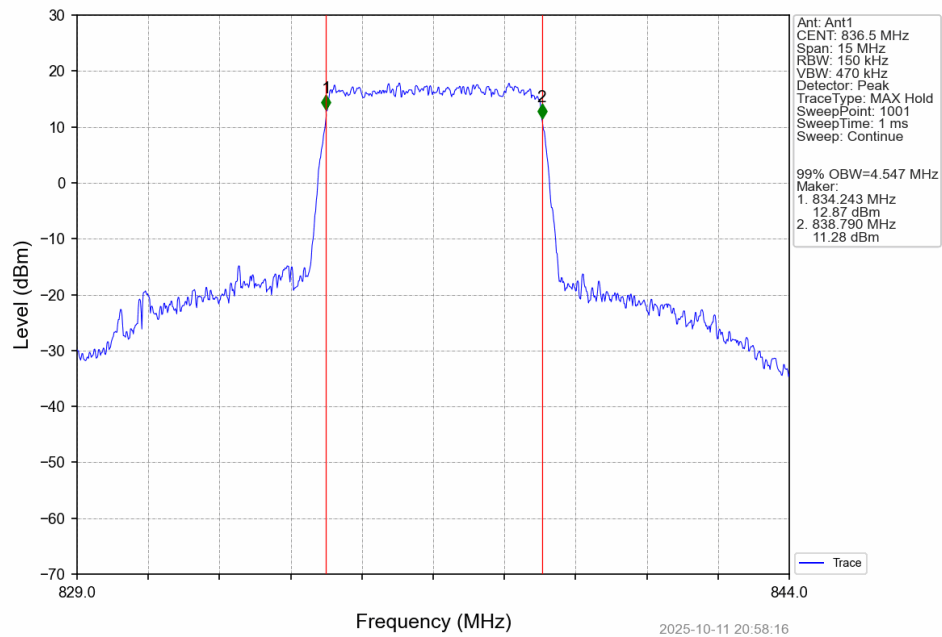
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



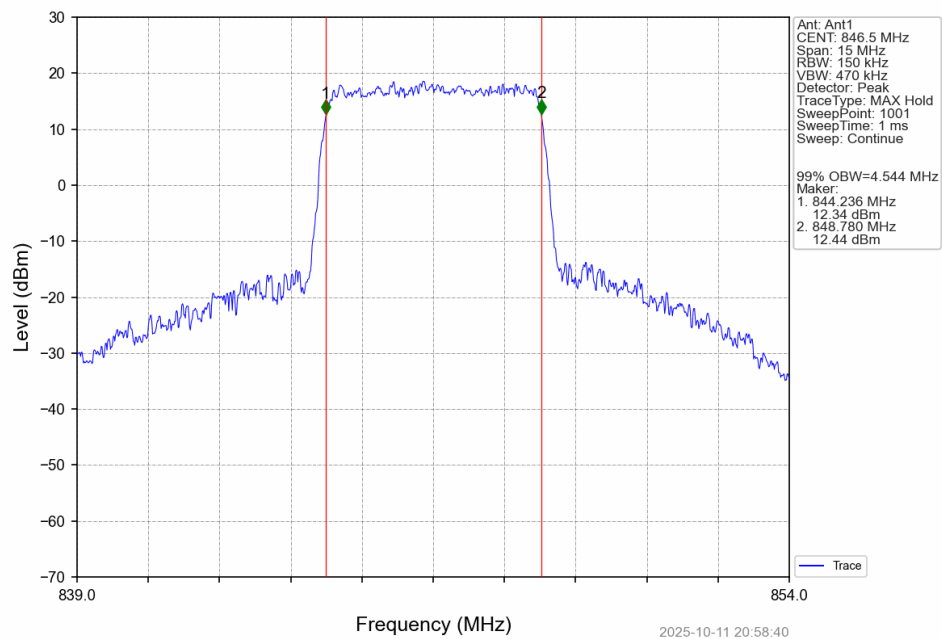
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



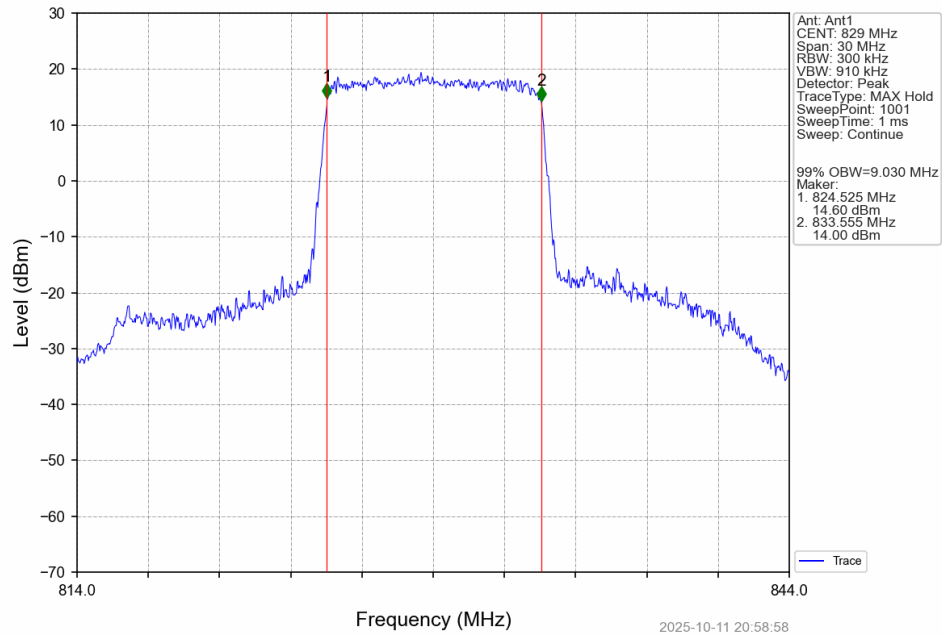
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



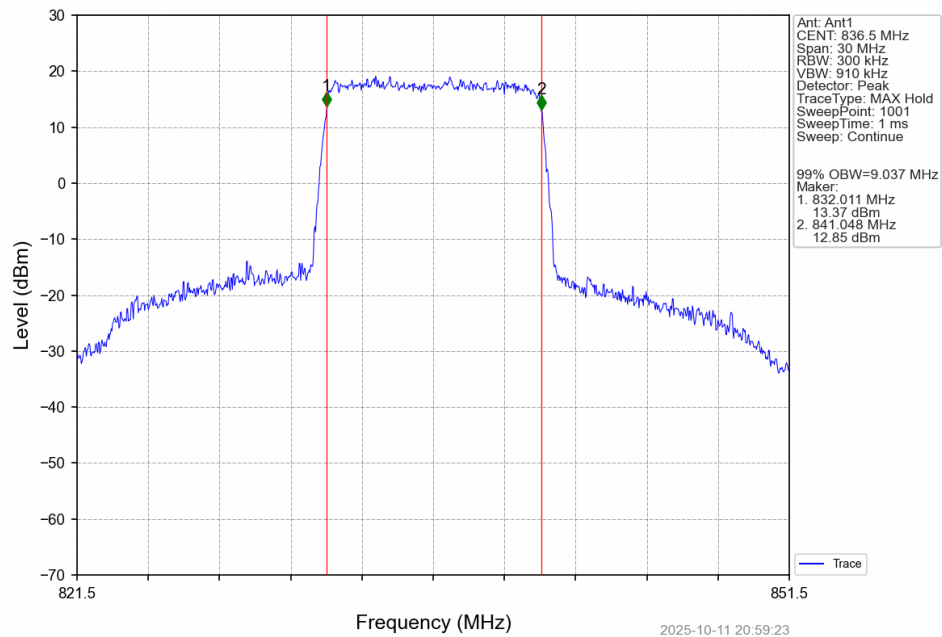
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



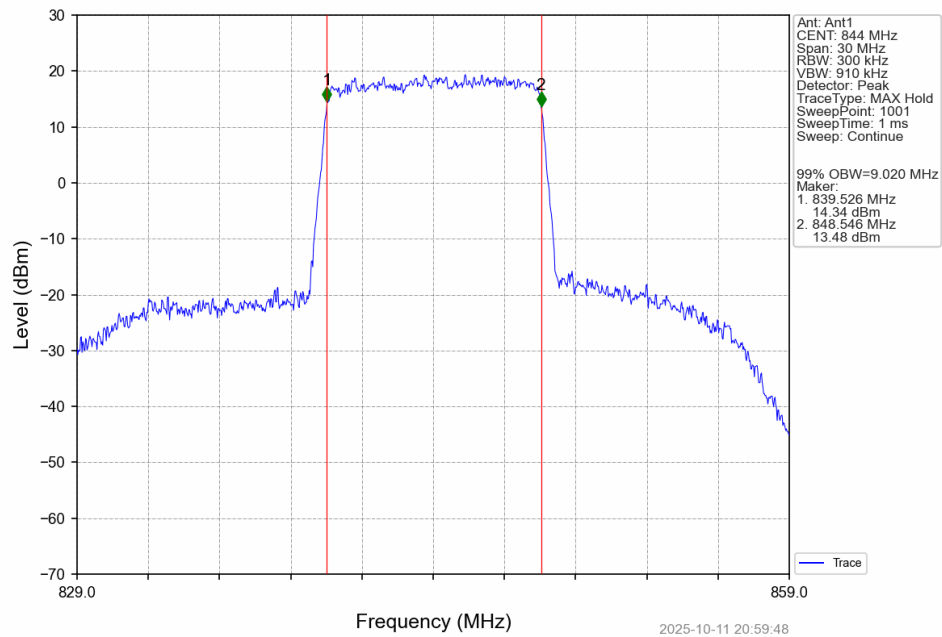
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



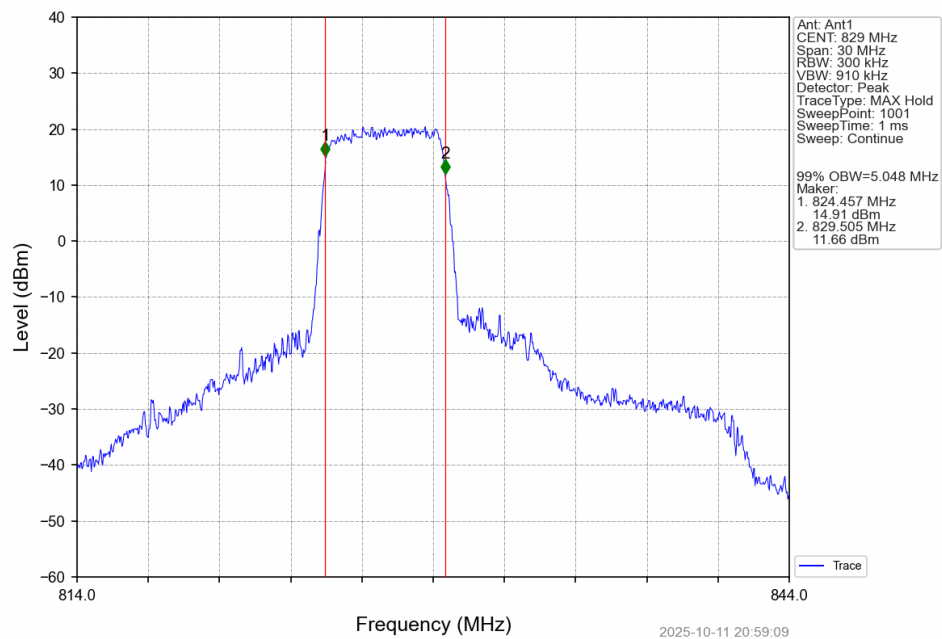
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



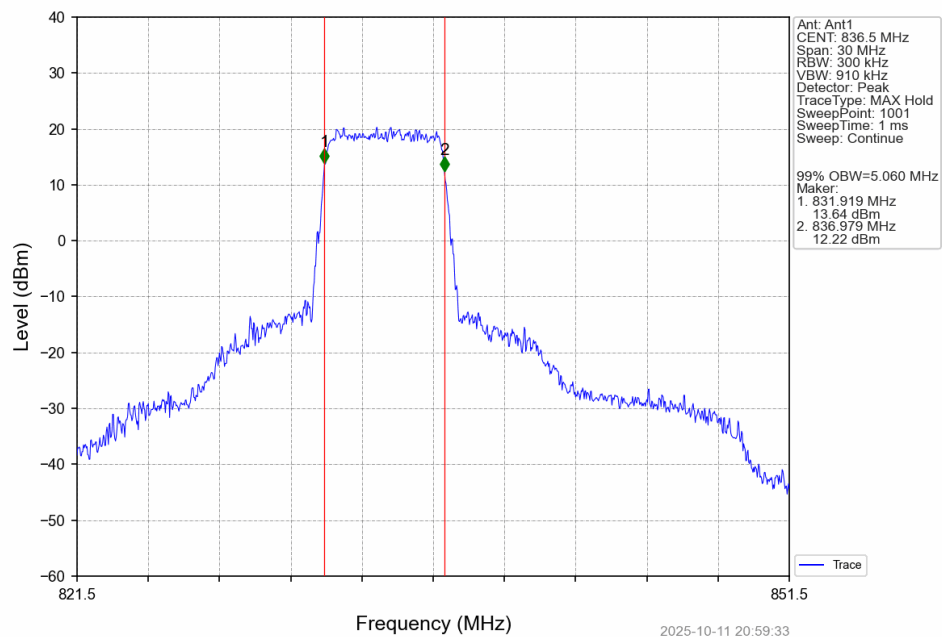
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



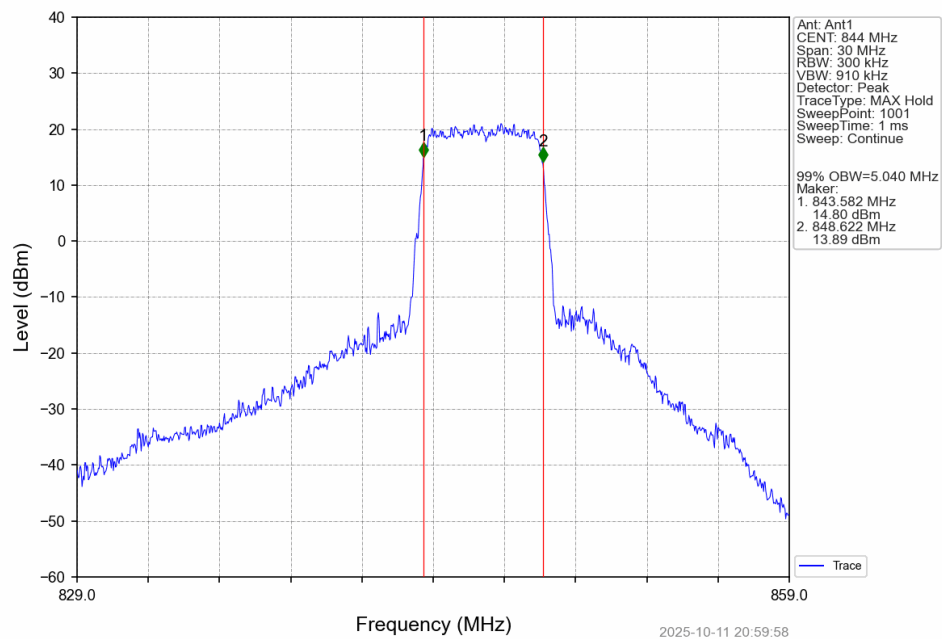
# Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



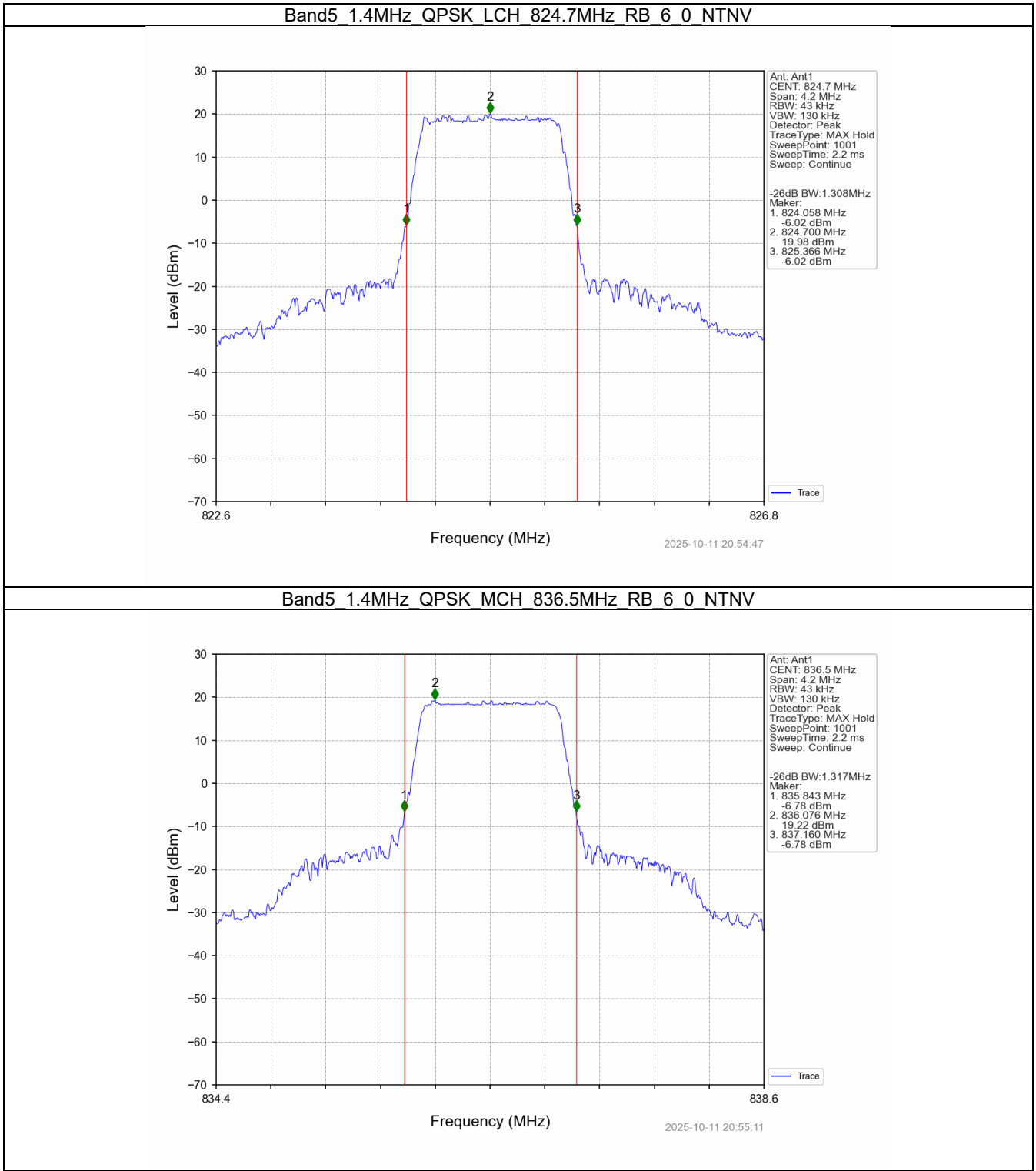
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV



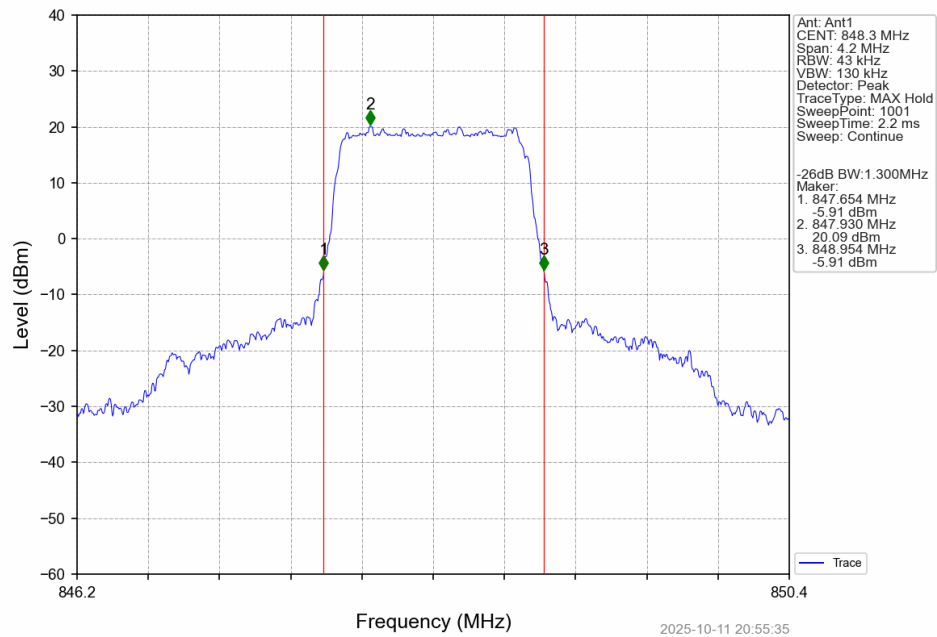
Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_NTNV



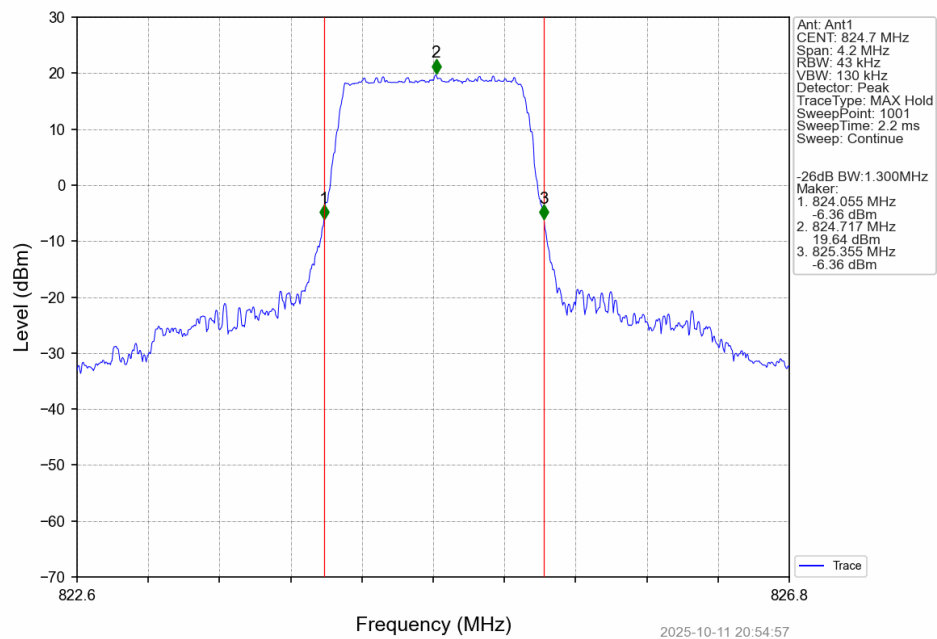
4.2.2 Band5\_XDB



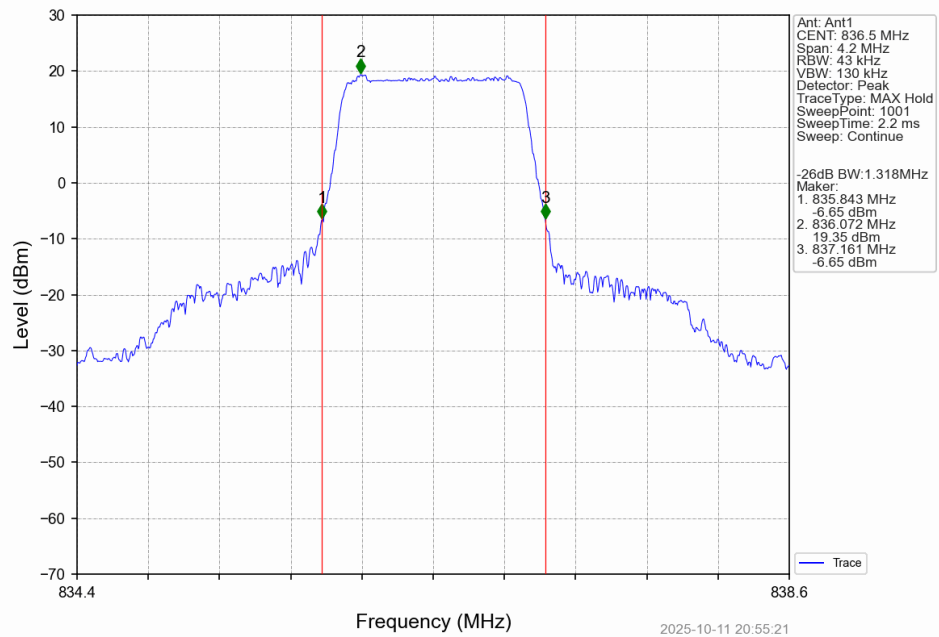
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



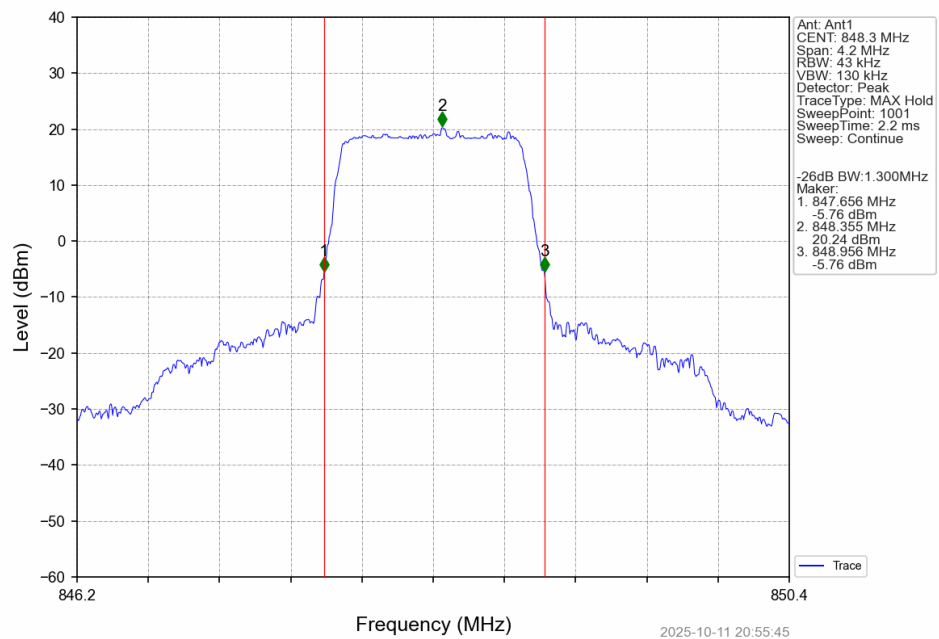
# Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



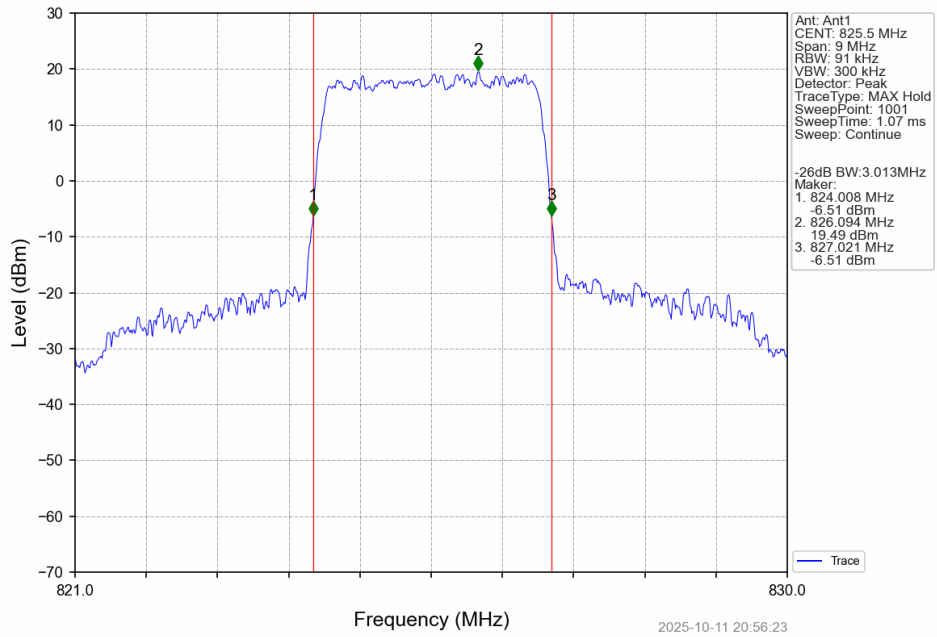
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



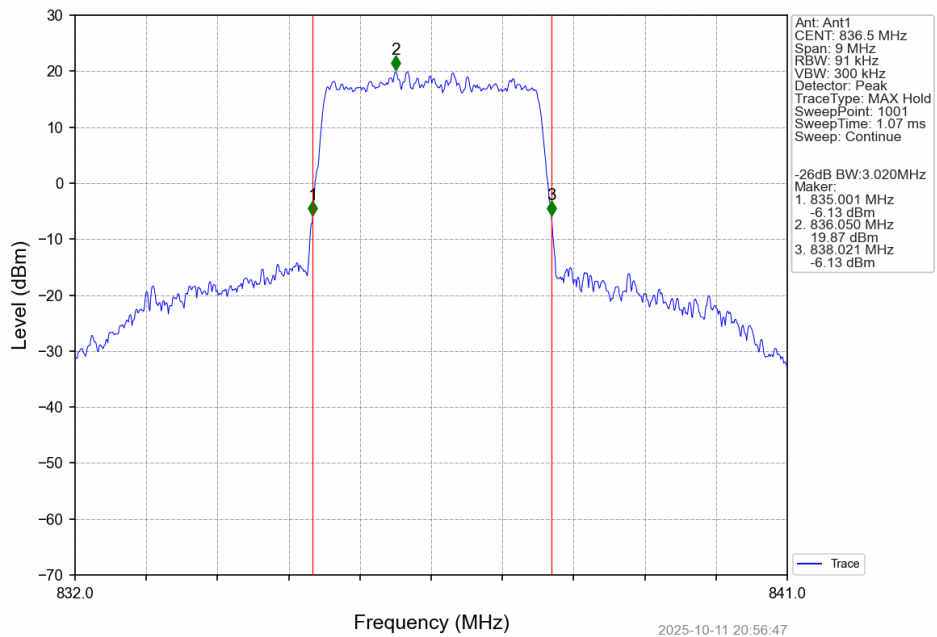
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



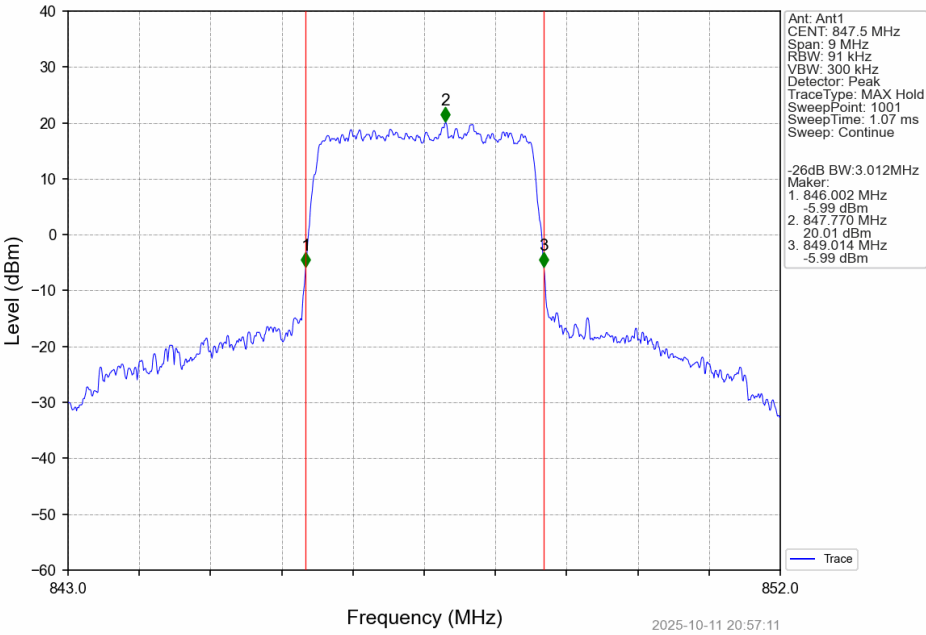
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



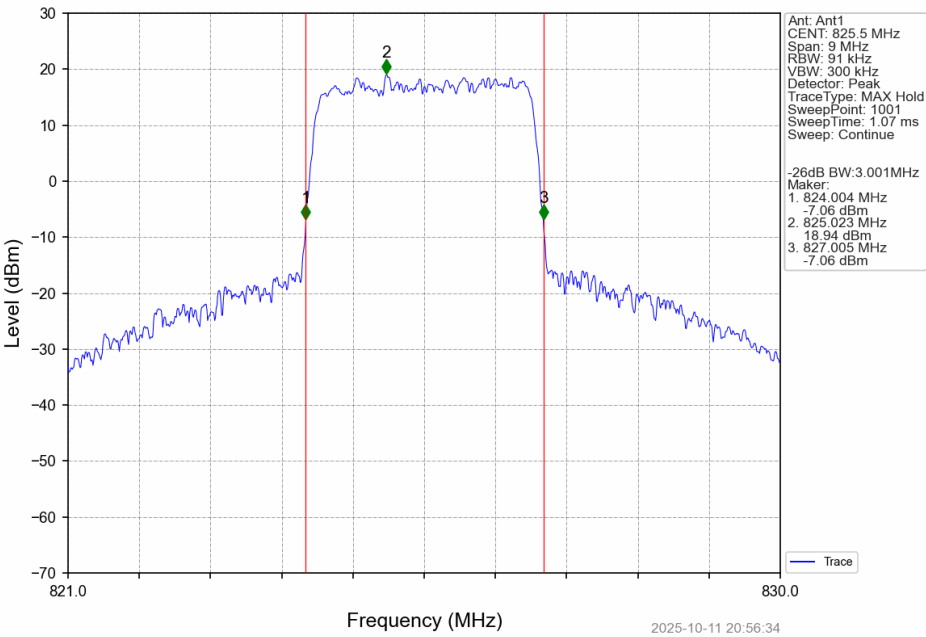
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



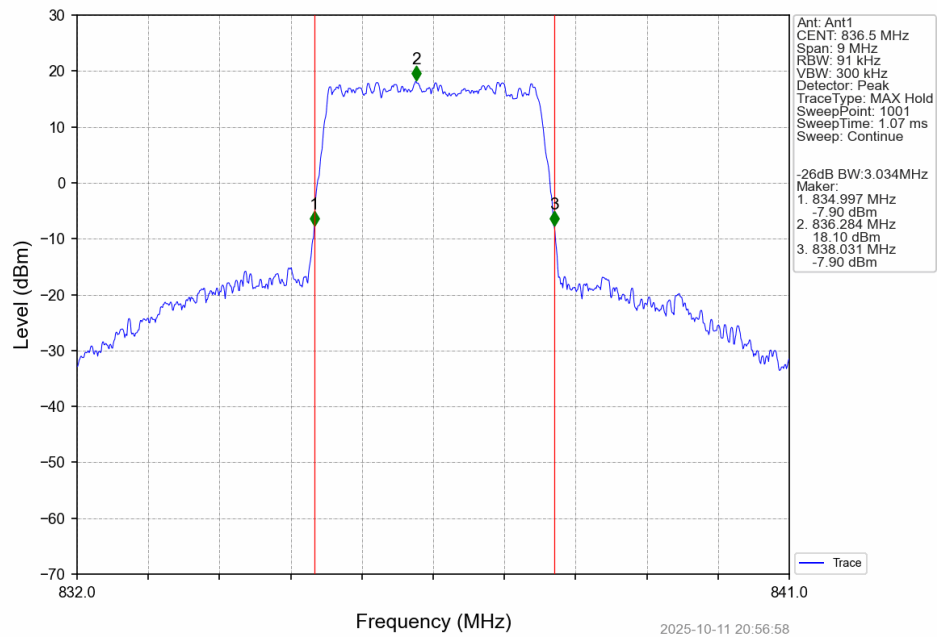
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



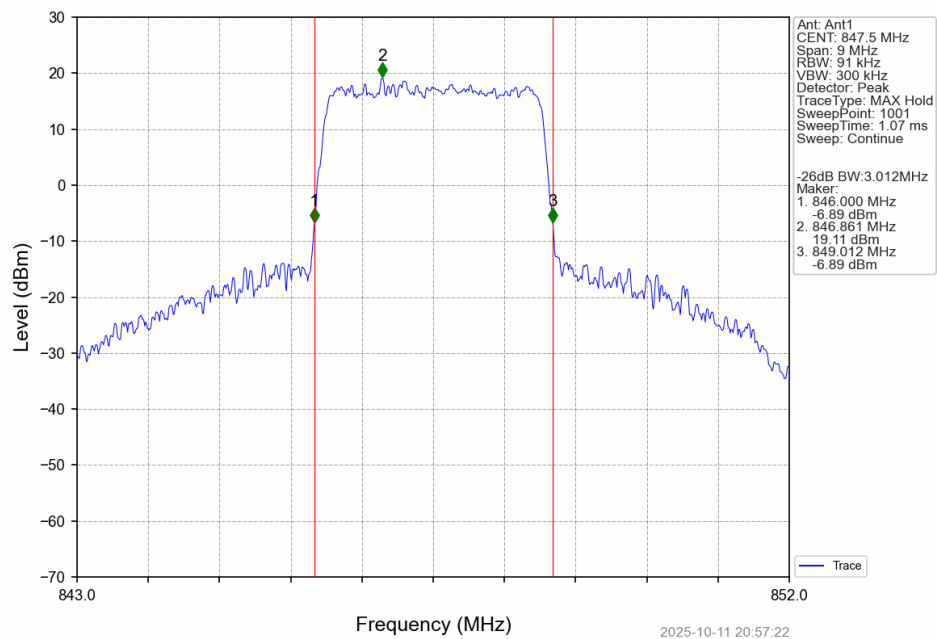
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



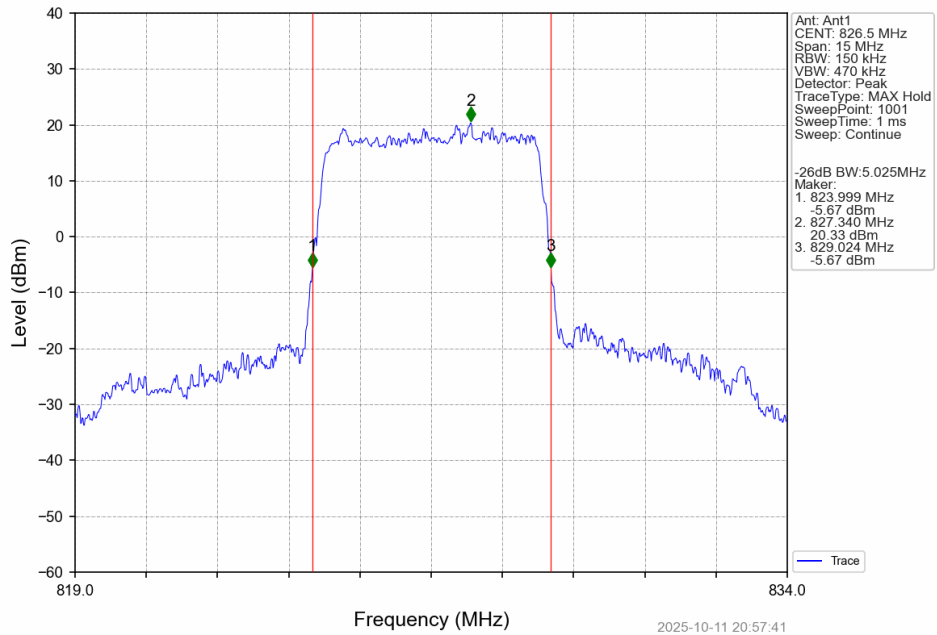
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



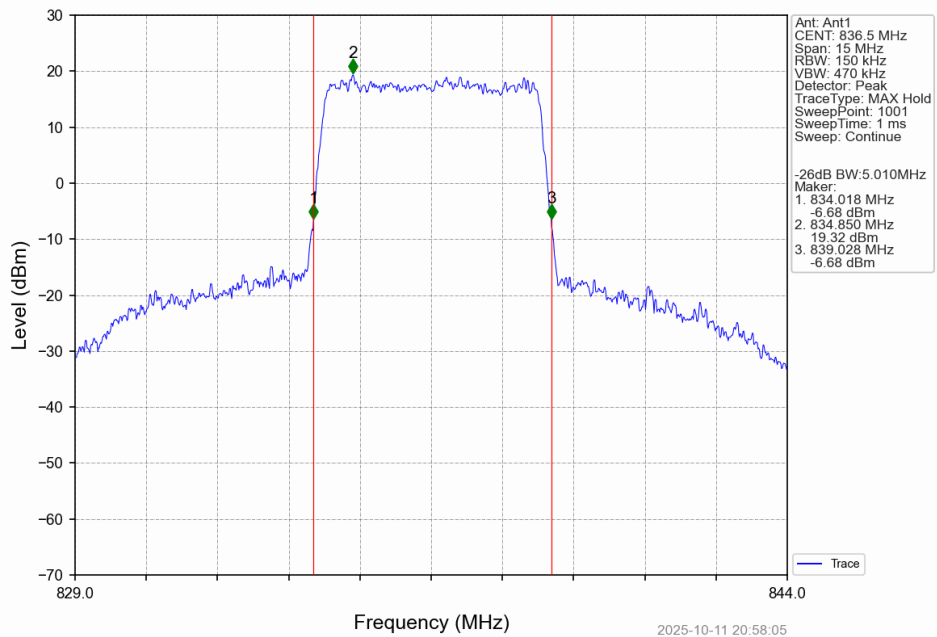
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



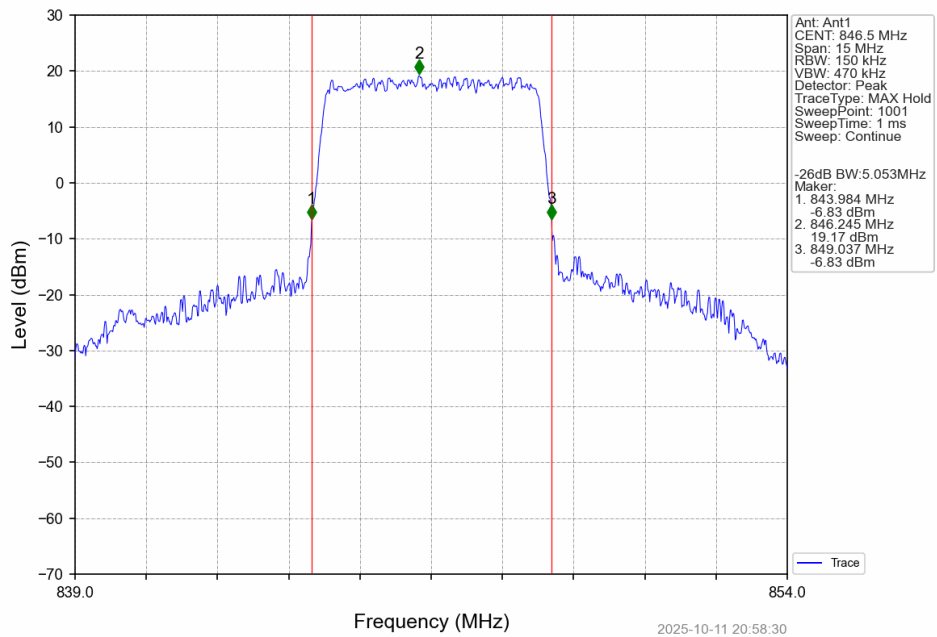
# Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



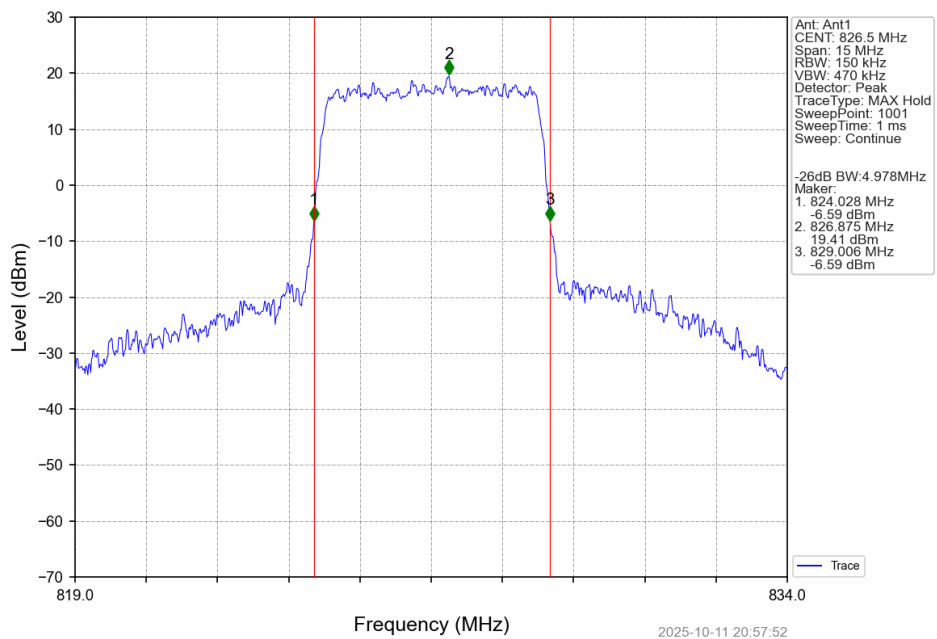
# Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



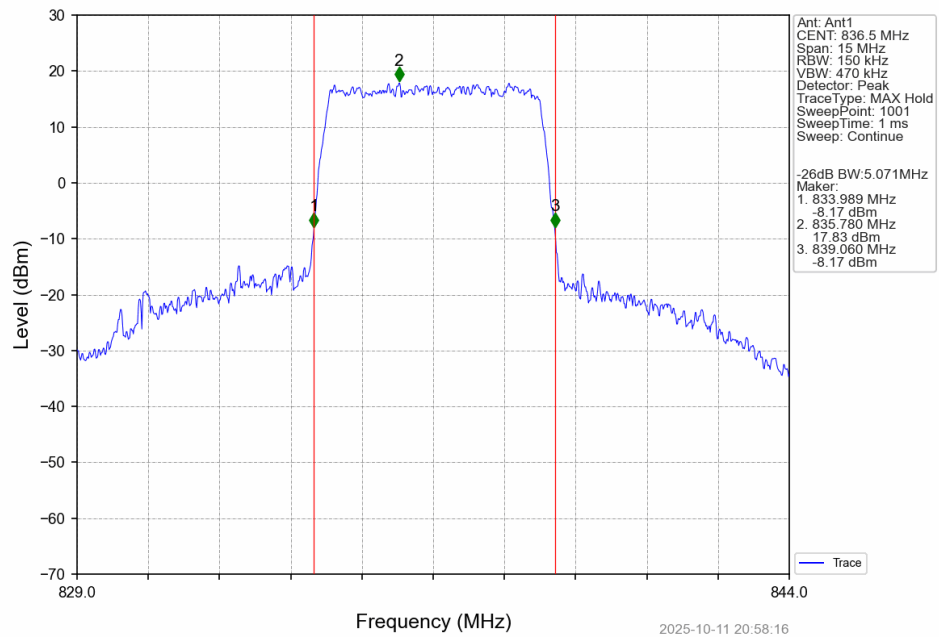
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



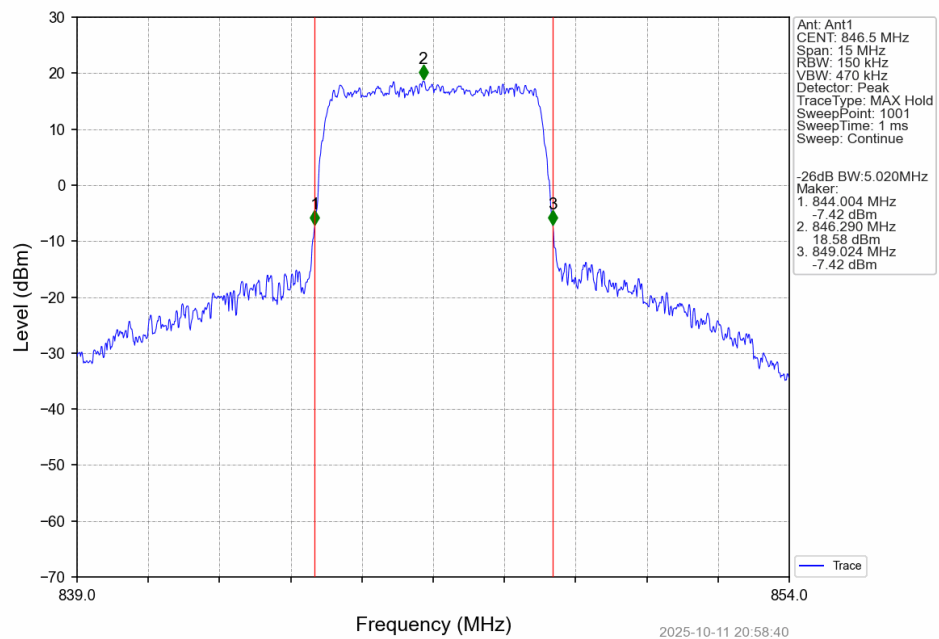
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



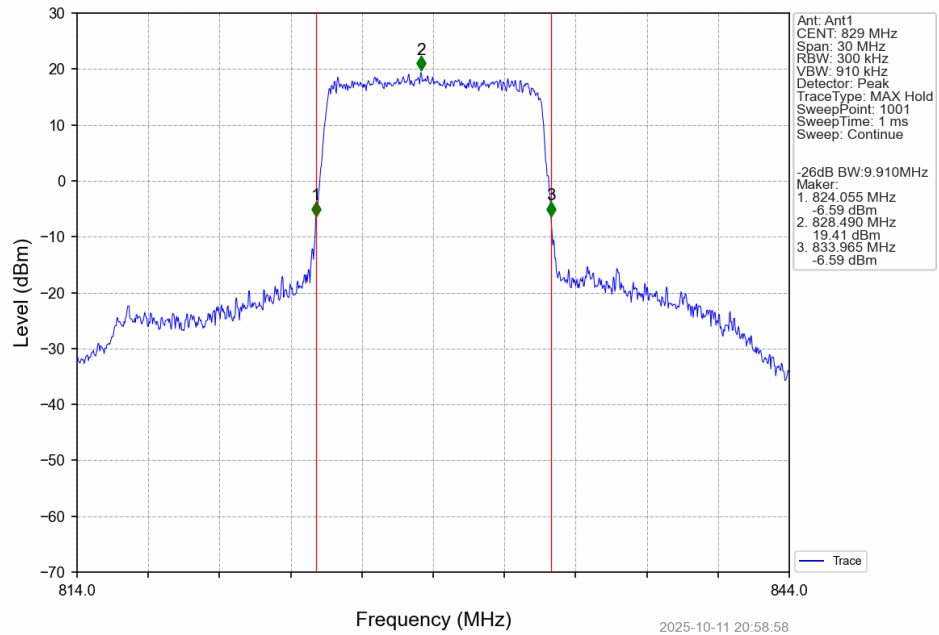
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



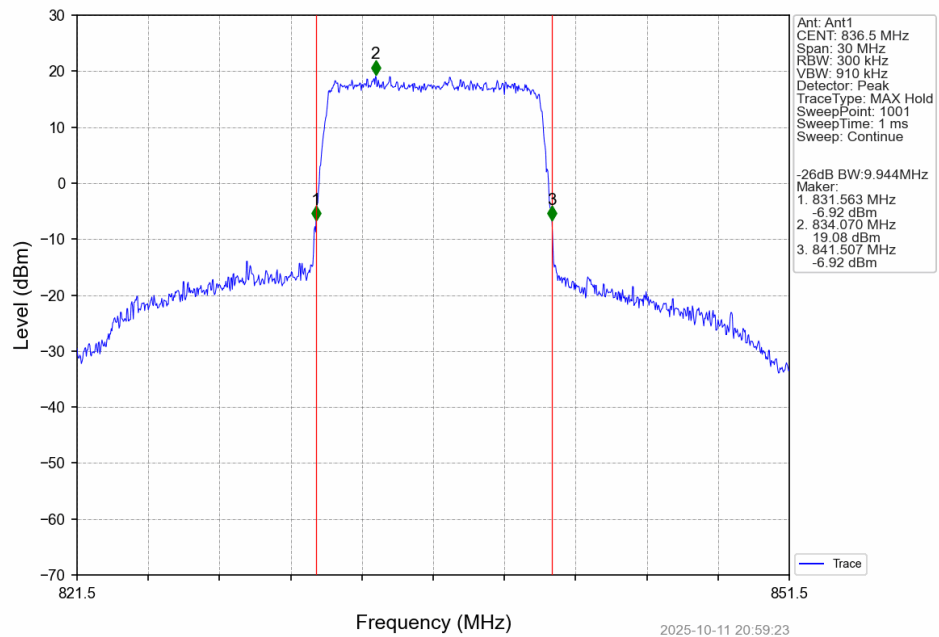
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



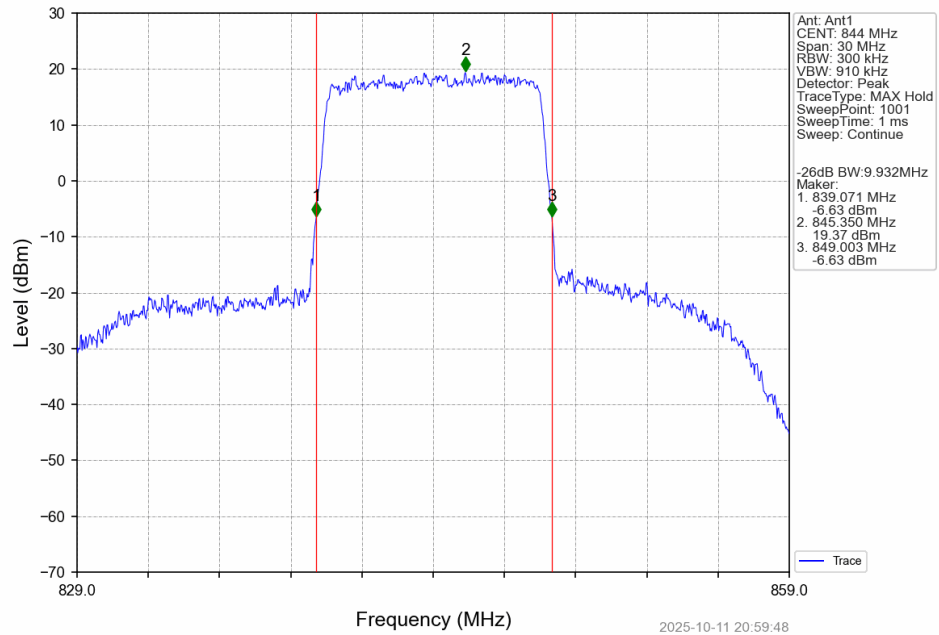
# Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



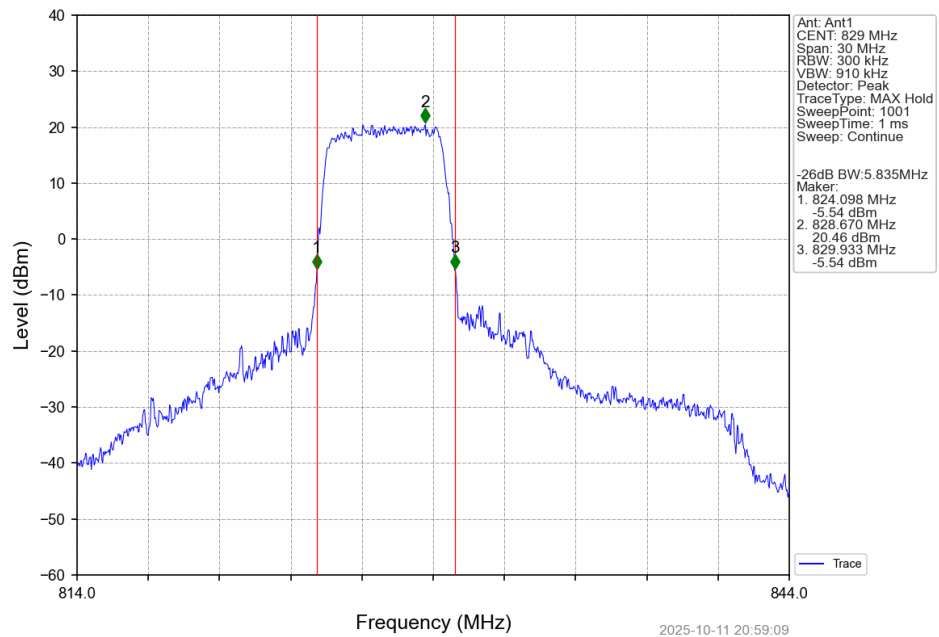
# Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



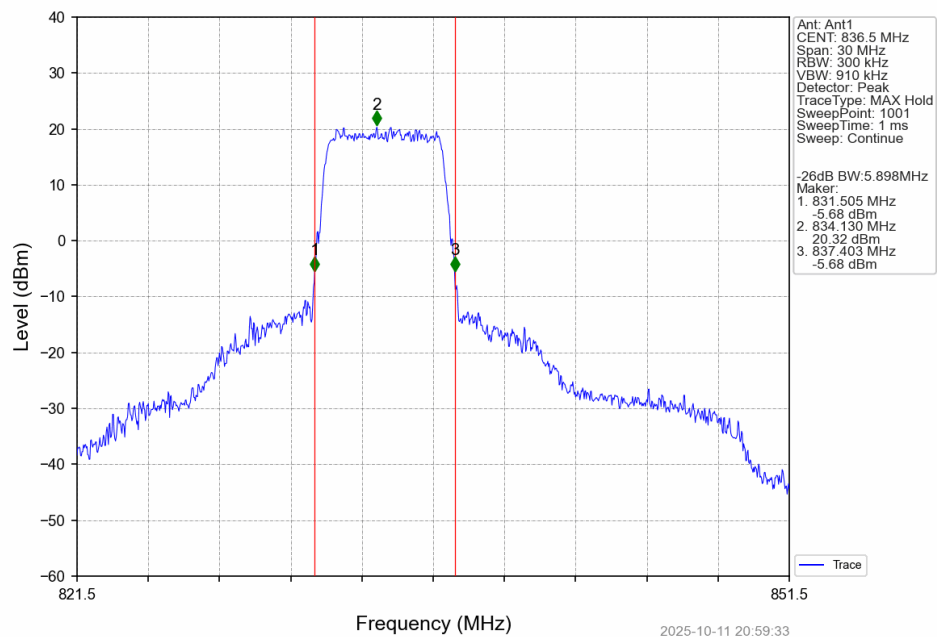
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



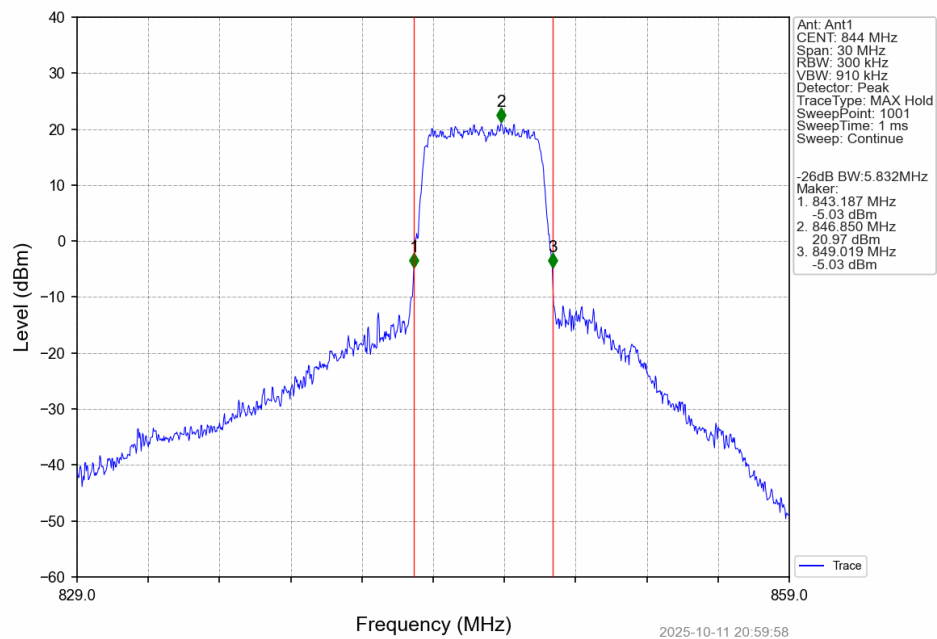
# Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_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      | 5.30                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 4.83                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 4.60                    | <=13  | Pass    |
| 16QAM                              | 824.7           | 6             | 0      | 6.04                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 5.65                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 5.33                    | <=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      | 5.36                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 5.12                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 4.94                    | <=13  | Pass    |
| 16QAM                            | 825.5           | 15            | 0      | 6.09                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 5.89                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 5.68                    | <=13  | Pass    |

#### 5.1.3 B5\_5MHz

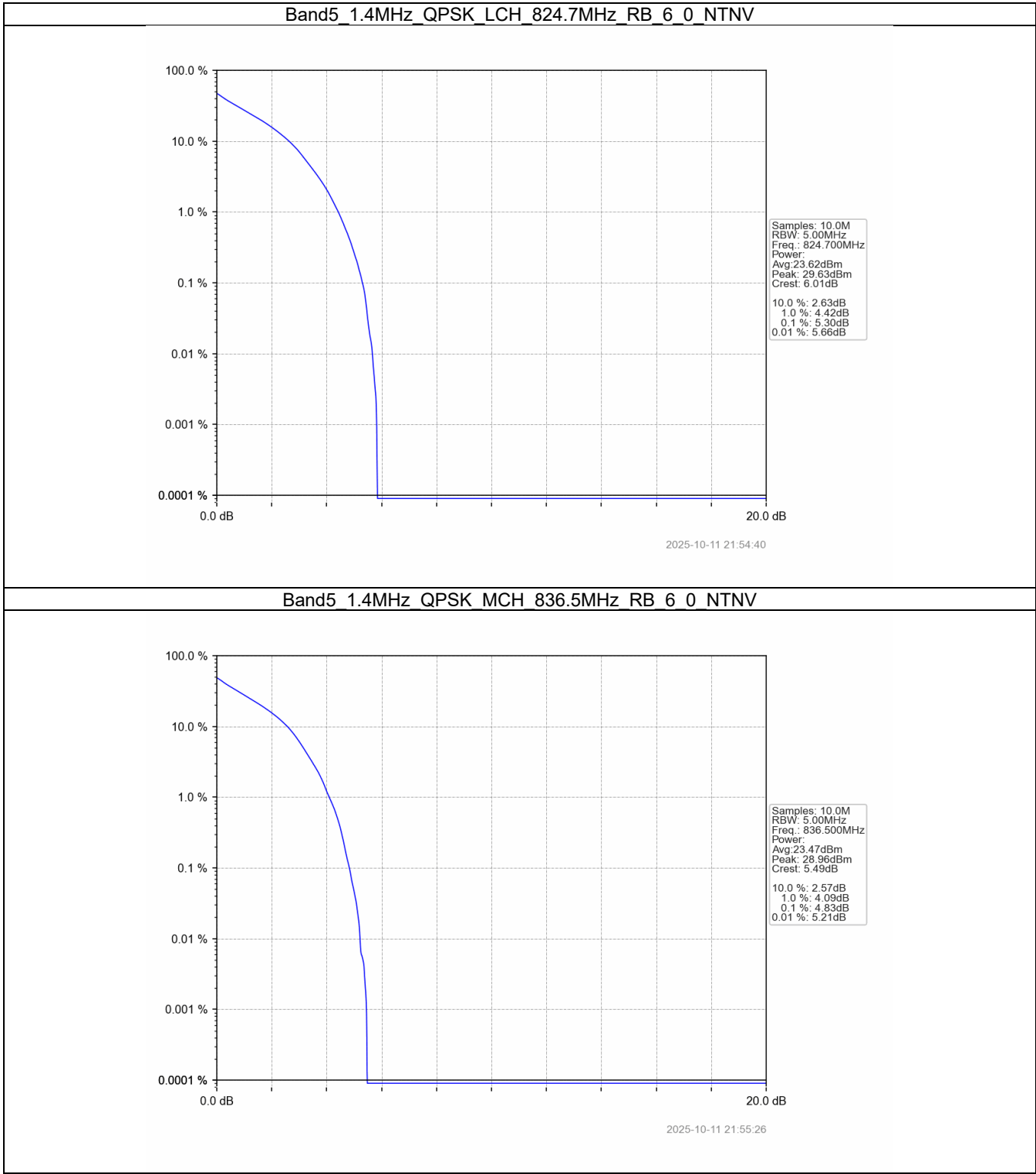
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 826.5           | 25            | 0      | 5.39                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 5.33                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 5.27                    | <=13  | Pass    |
| 16QAM                            | 826.5           | 25            | 0      | 6.01                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 6.01                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 5.95                    | <=13  | Pass    |

#### 5.1.4 B5\_10MHz

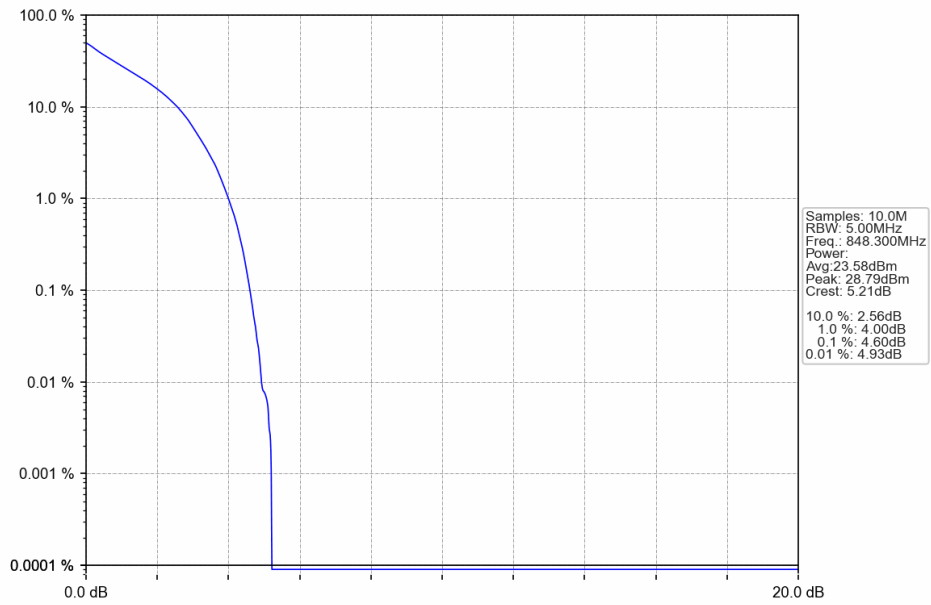
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 829             | 50            | 0      | 5.09                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 5.28                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.30                    | <=13  | Pass    |
| 16QAM                             | 829             | 27            | 0      | 9.93                    | <=13  | Pass    |
|                                   | 836.5           | 27            | 0      | 5.62                    | <=13  | Pass    |
|                                   | 844             | 27            | 23     | 9.80                    | <=13  | Pass    |

5.2 Test Graph

5.2.1 B5\_1.4MHz

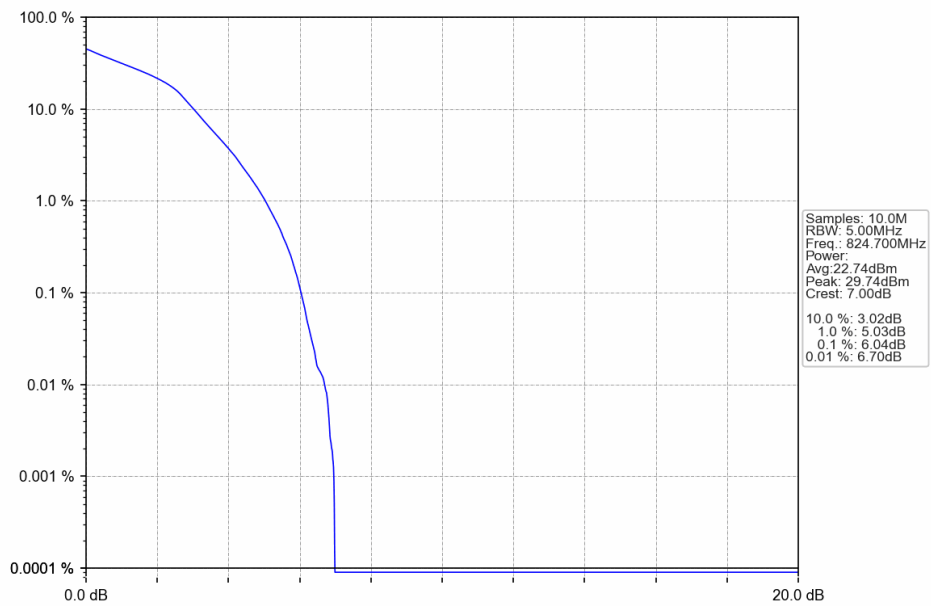


# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



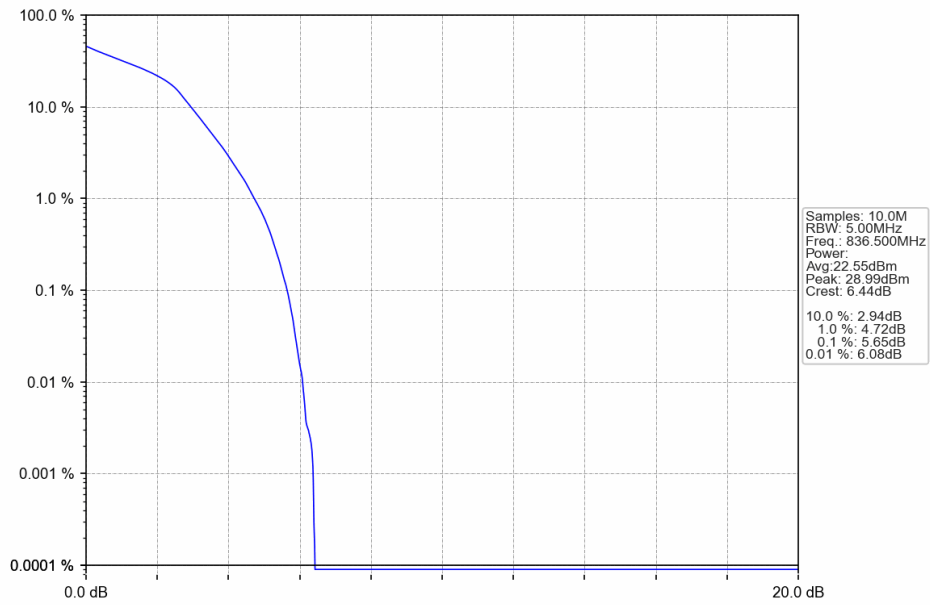
2025-10-11 21:56:09

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



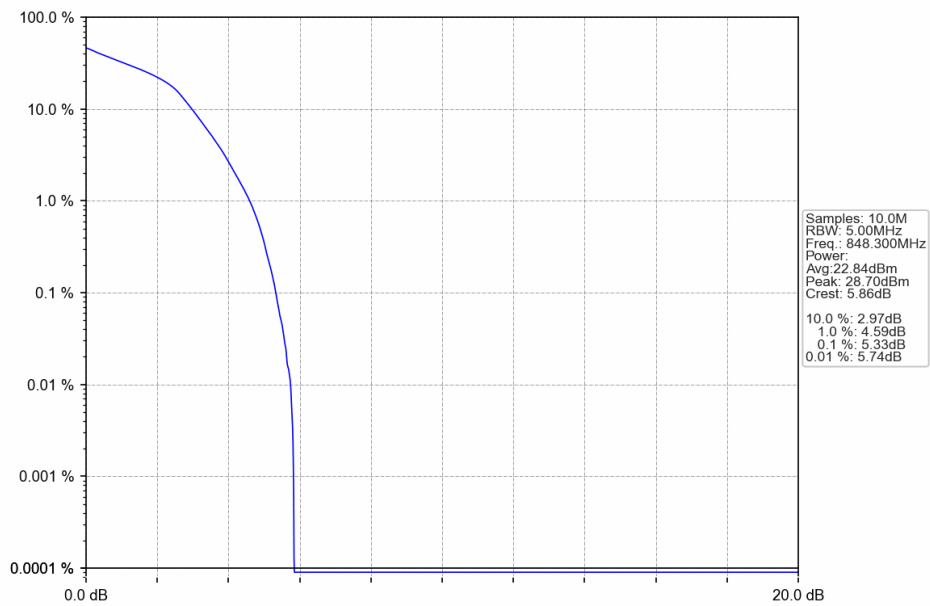
2025-10-11 21:55:03

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



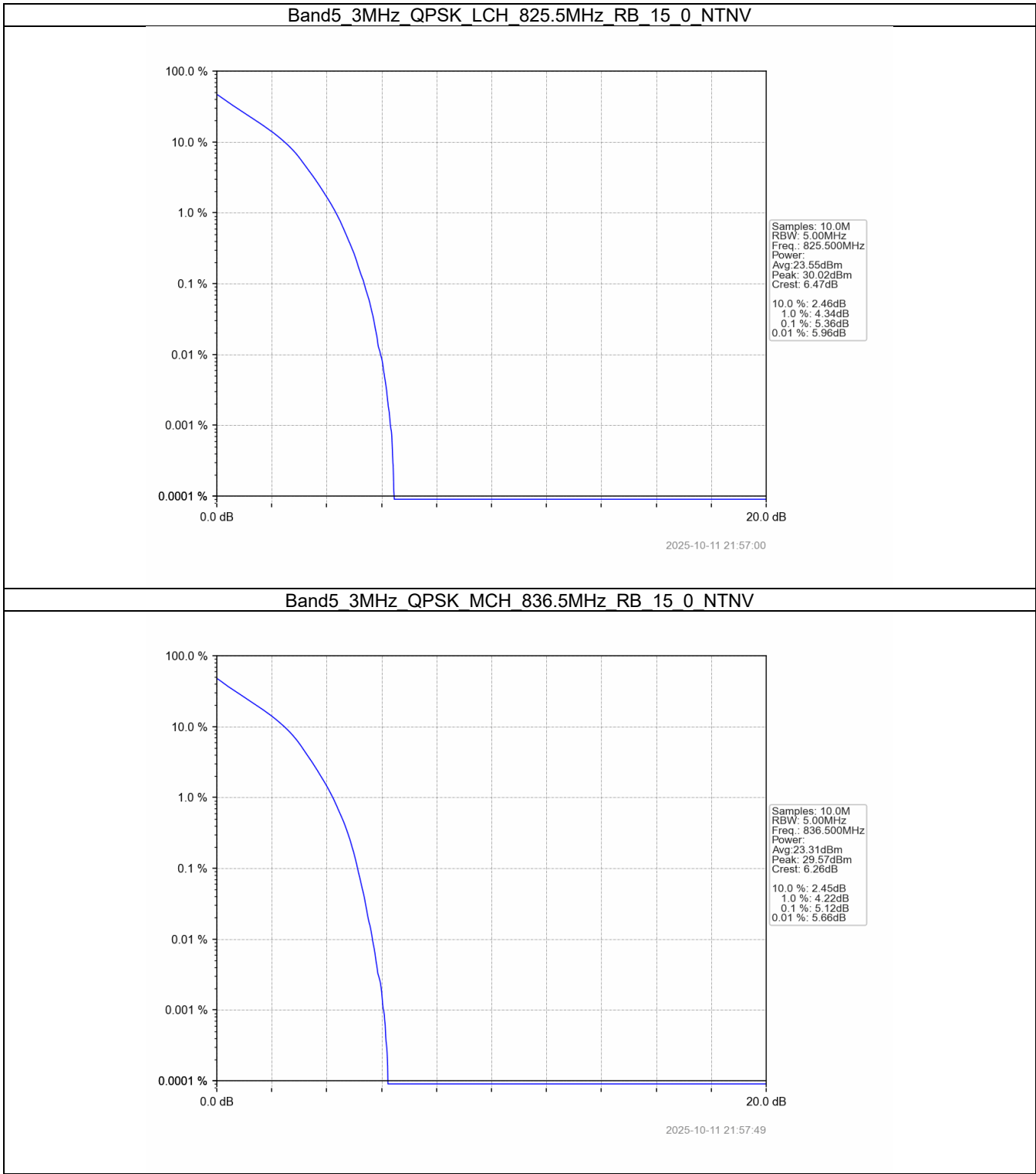
2025-10-11 21:55:48

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

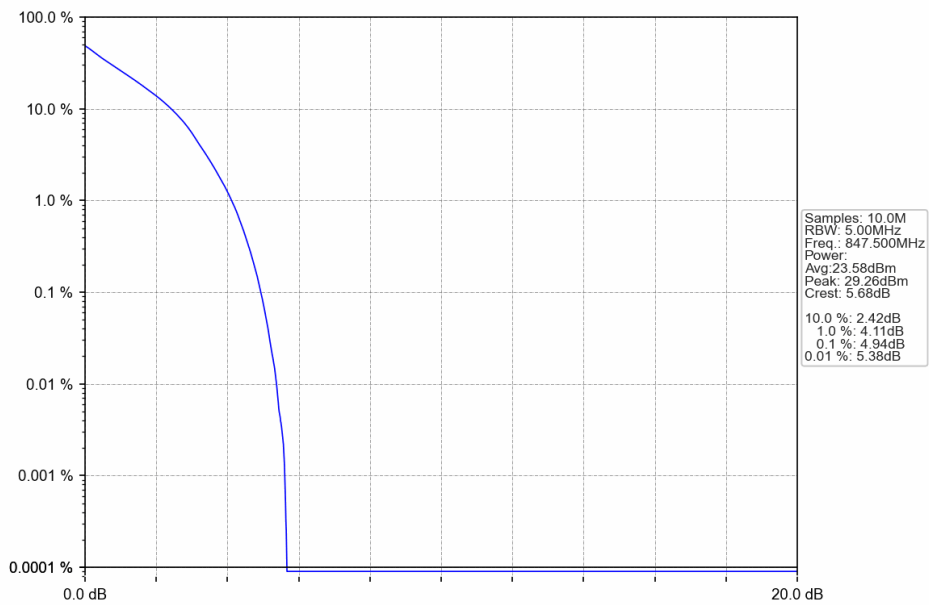


2025-10-11 21:56:29

5.2.2 B5\_3MHz

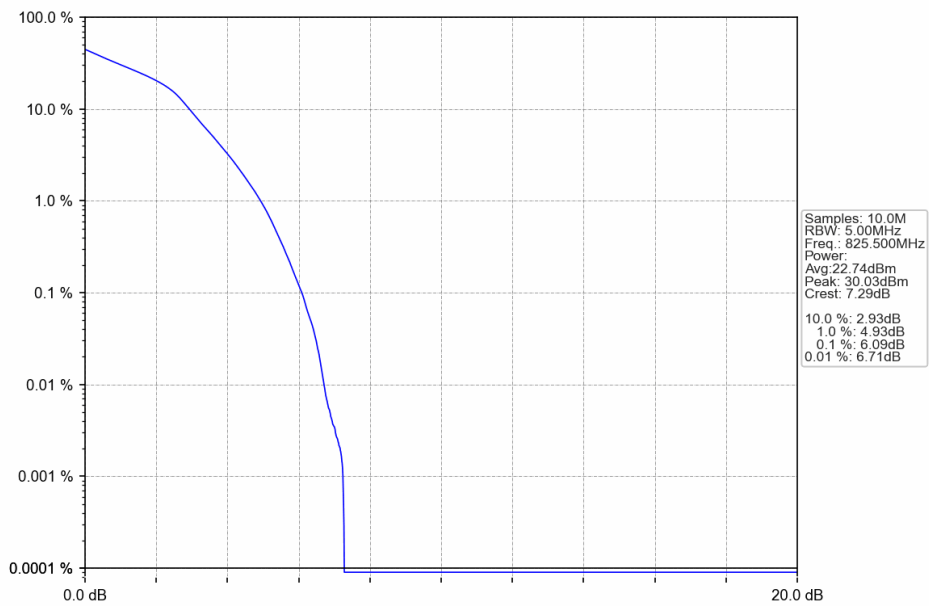


Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



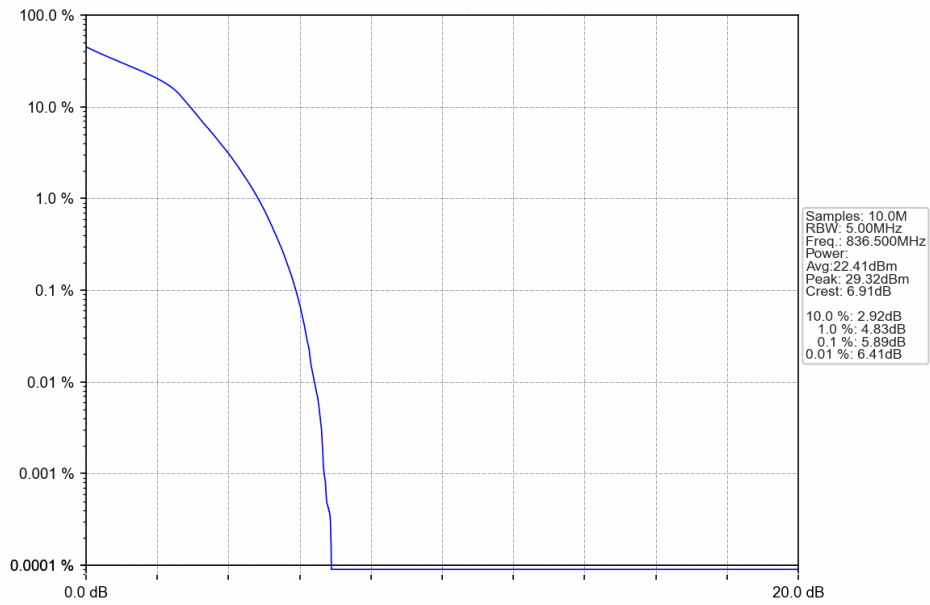
2025-10-11 21:58:36

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



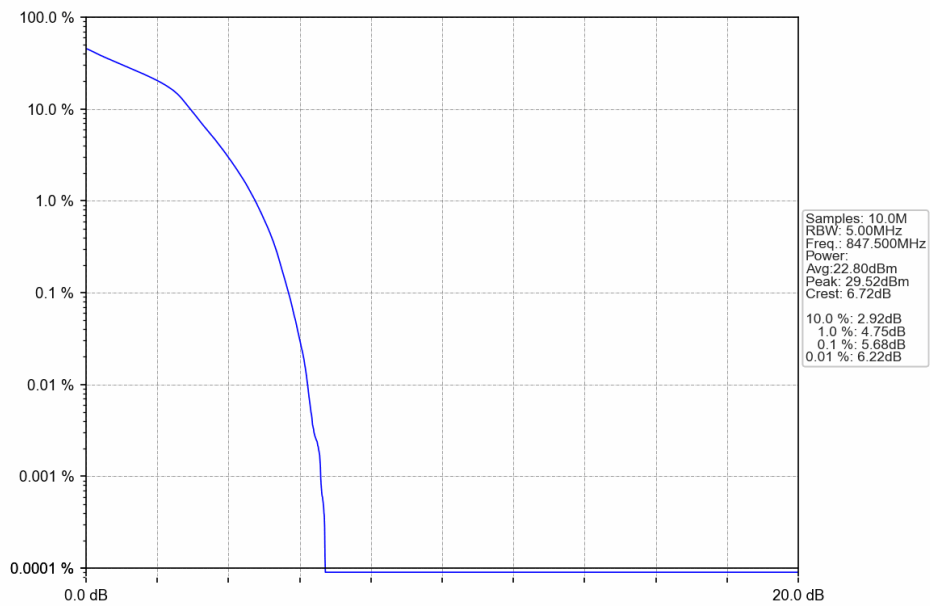
2025-10-11 21:57:24

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



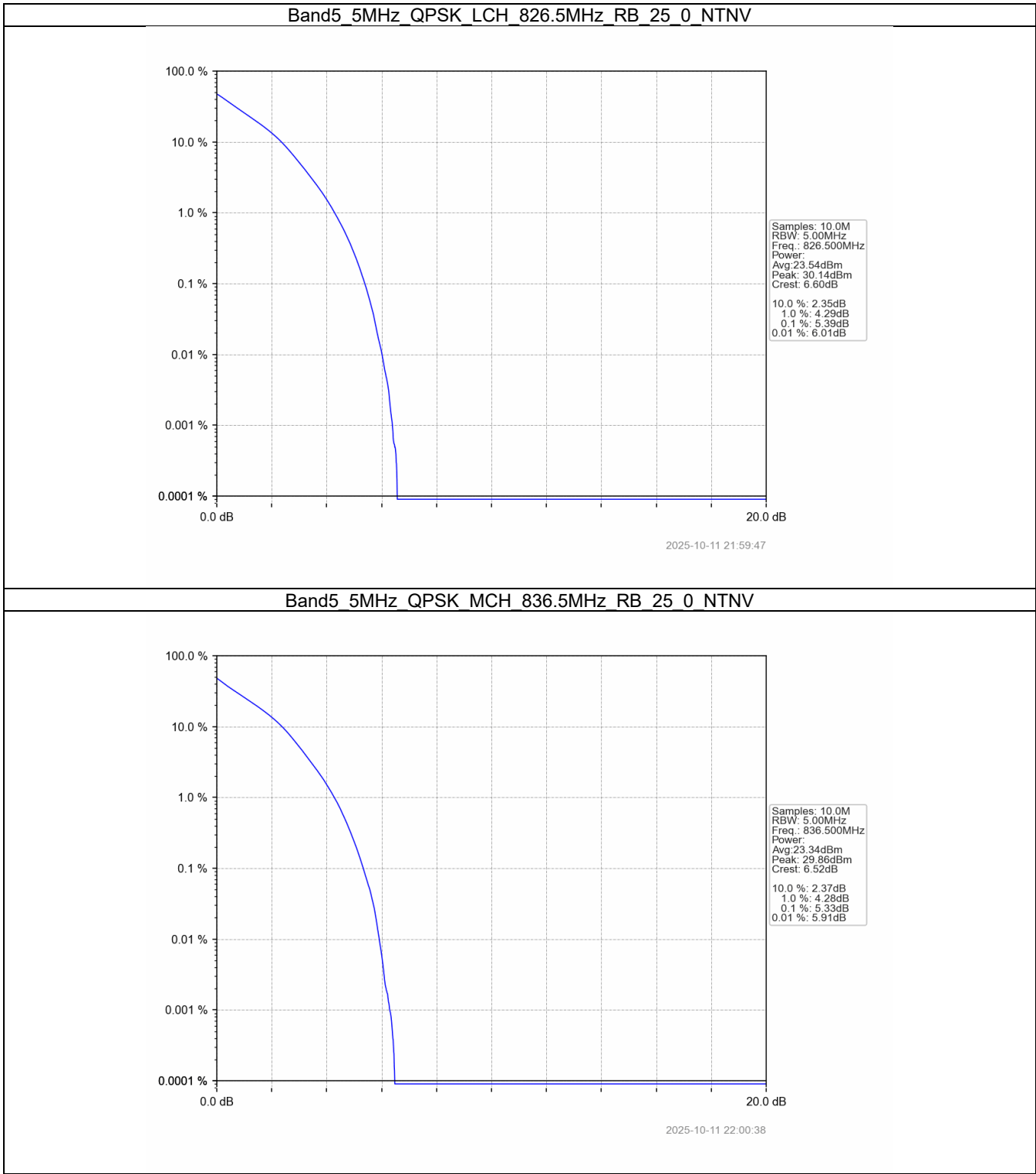
2025-10-11 21:58:13

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

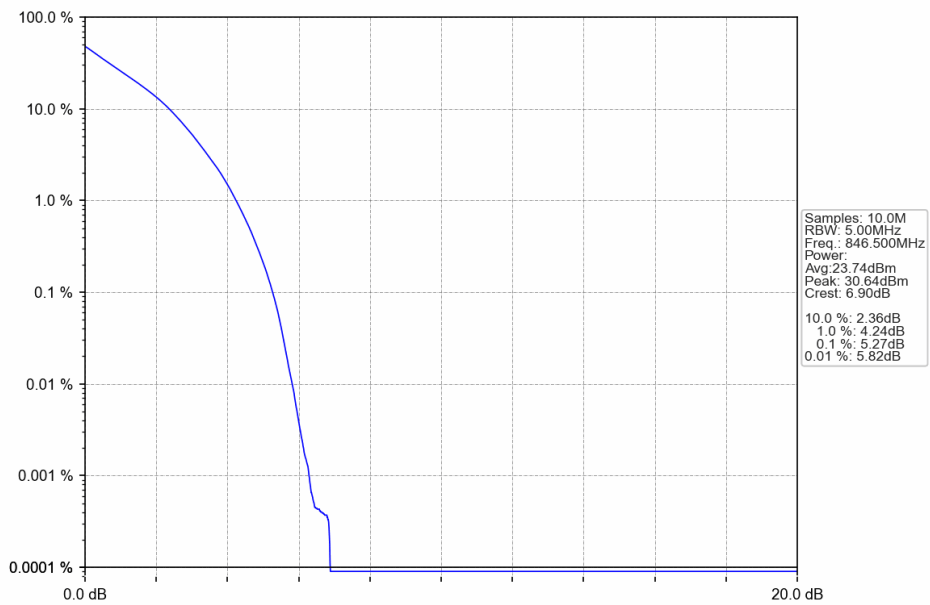


2025-10-11 21:58:59

5.2.3 B5\_5MHz

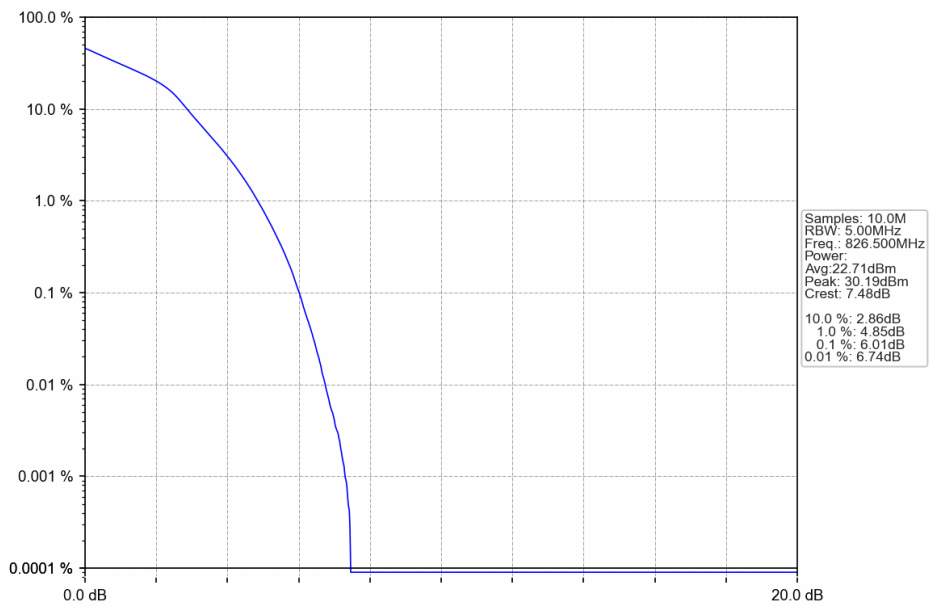


Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



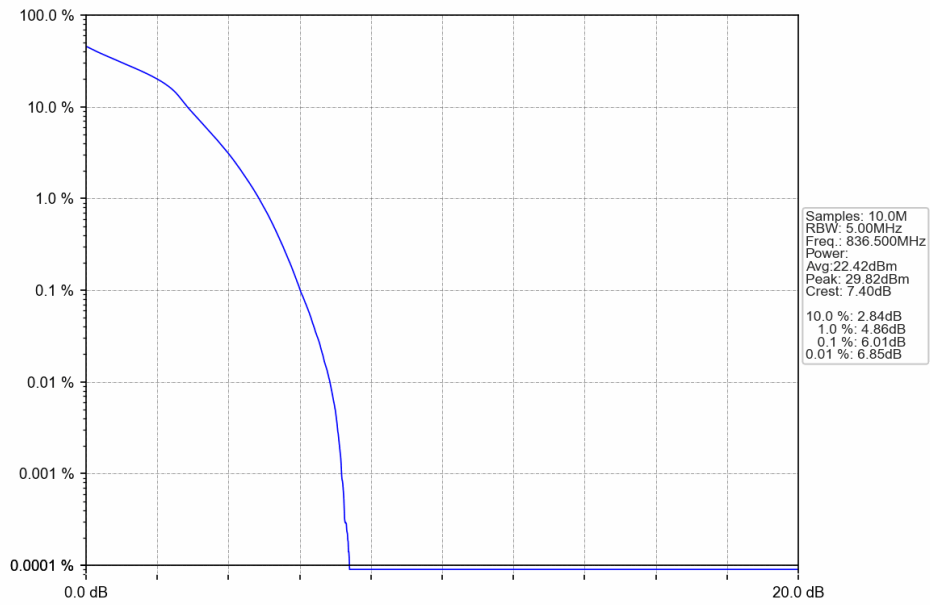
2025-10-11 22:01:29

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



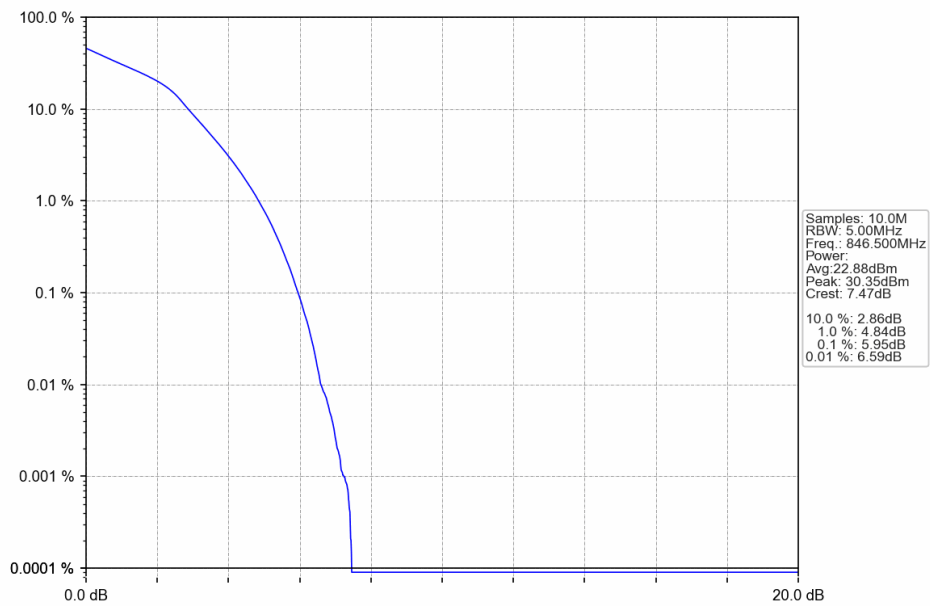
2025-10-11 22:00:12

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



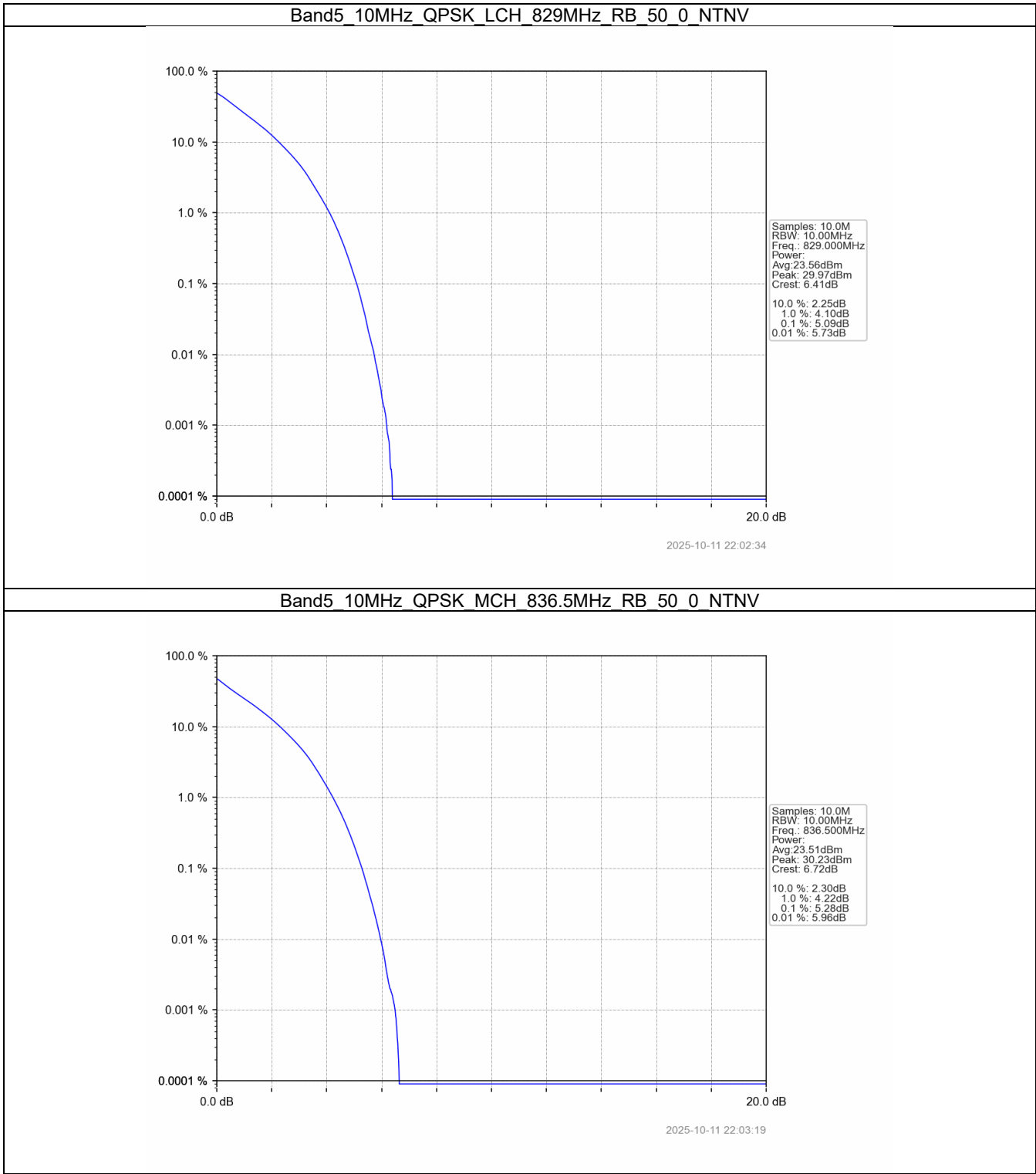
2025-10-11 22:01:03

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

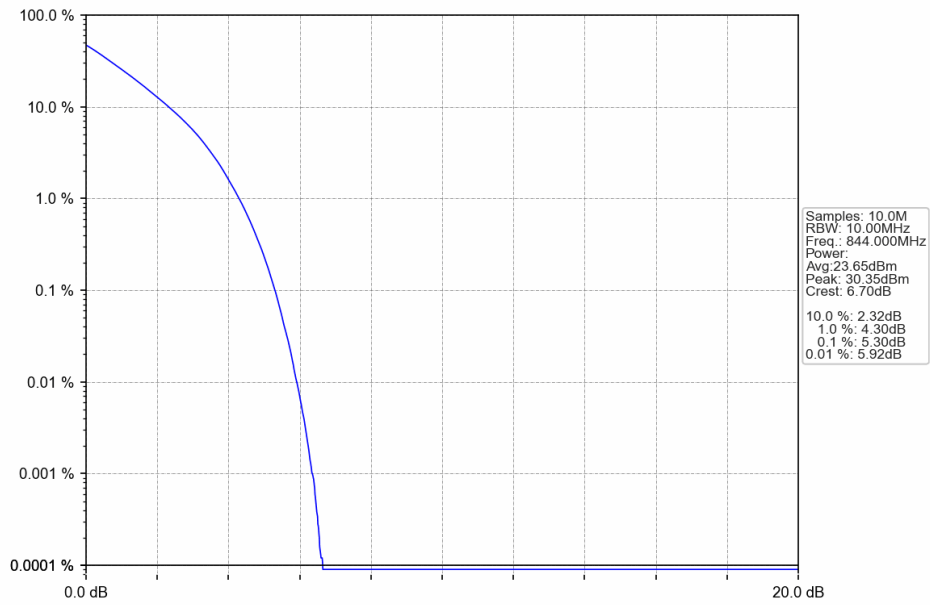


2025-10-11 22:01:55

5.2.4 B5\_10MHz

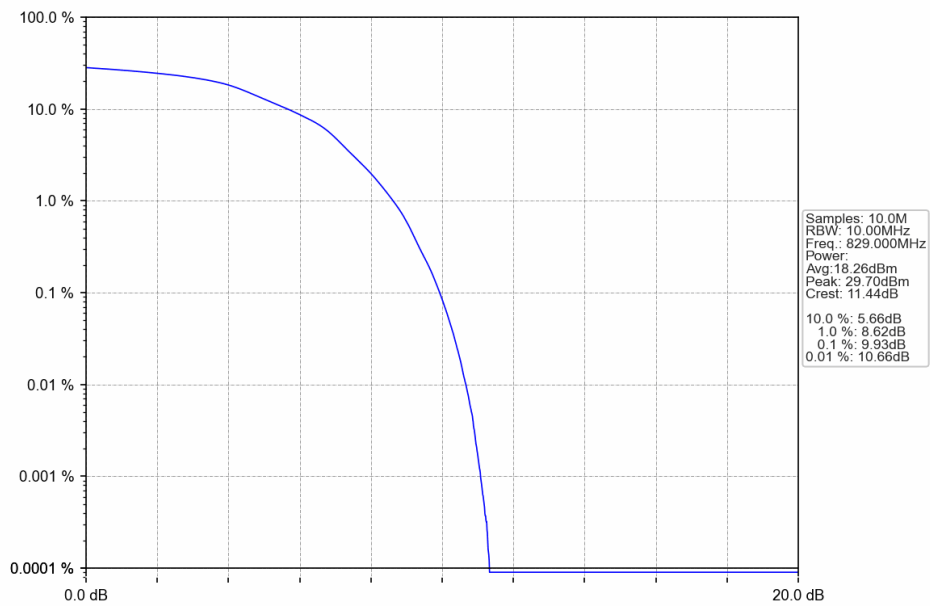


Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



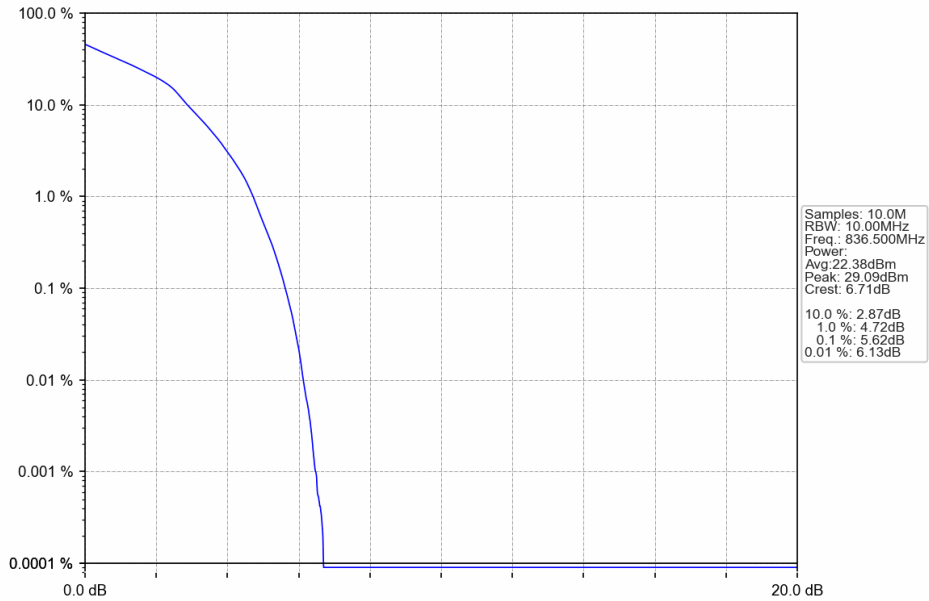
2025-10-11 22:03:55

Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



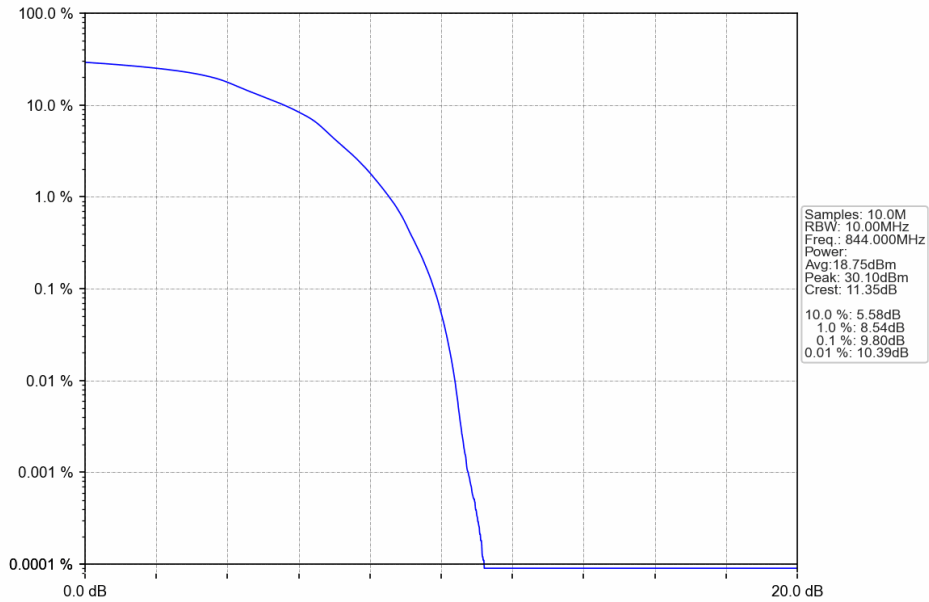
2025-10-11 22:02:53

Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV



2025-10-11 22:03:35

Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_NTNV



2025-10-11 22:04:15

## 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   |       | Verdict |
|                                    |                 | 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    |
|                                    |                 |               | 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    |
|                                    |                 |               | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | 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    |
|                                  |                 |               | 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    |
|                                  |                 |               | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | 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    |
|                                  |                 |               | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 826.5           | 1             | 0      | Refer To Test Graph |       | Pass    |

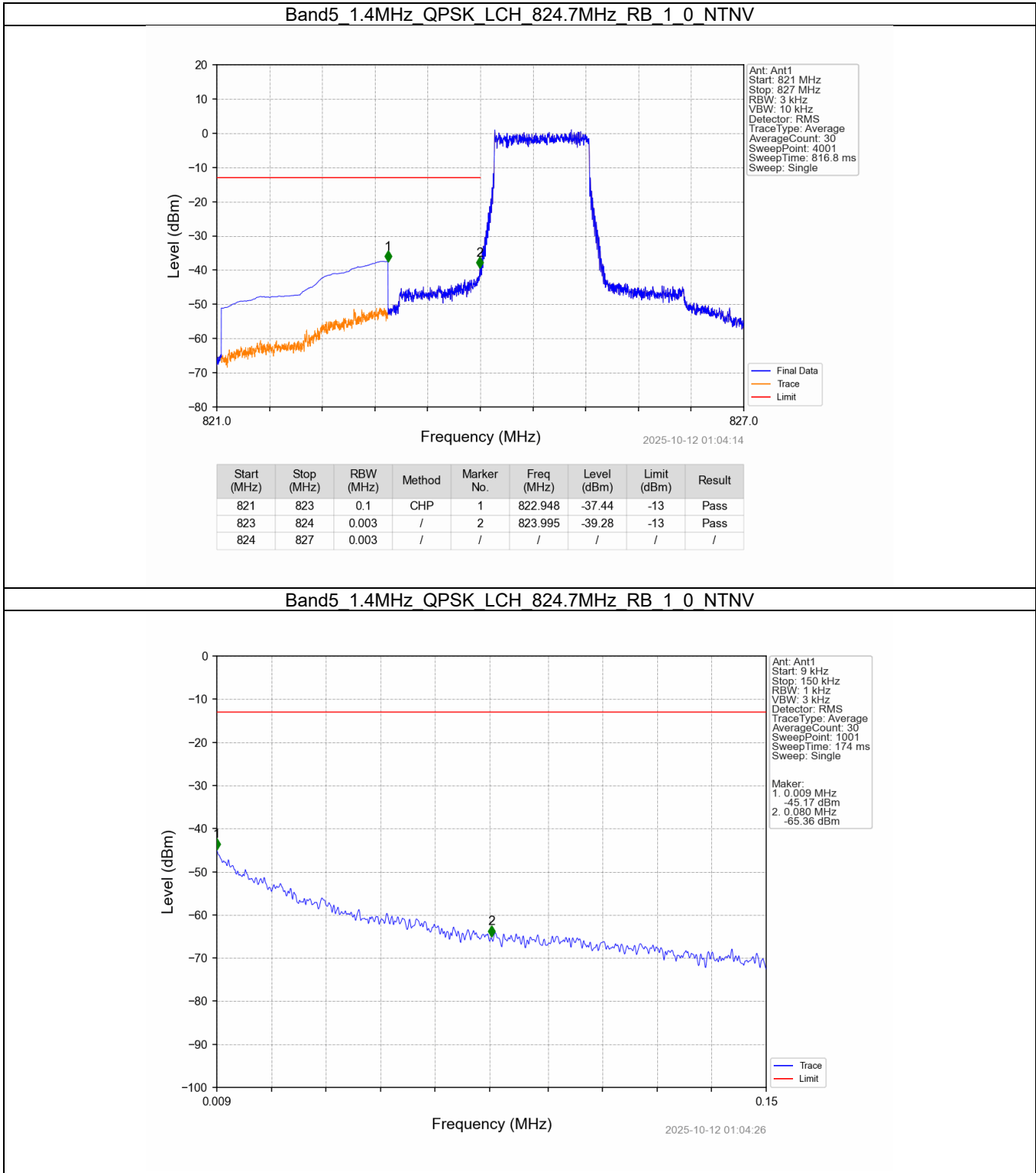
|  |       |    |    |                     |      |
|--|-------|----|----|---------------------|------|
|  |       | 25 | 0  | Refer To Test Graph | Pass |
|  | 836.5 | 1  | 0  | Refer To Test Graph | Pass |
|  | 846.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |       |    | 24 | Refer To Test Graph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

#### 6.1.4 B5\_10MHz

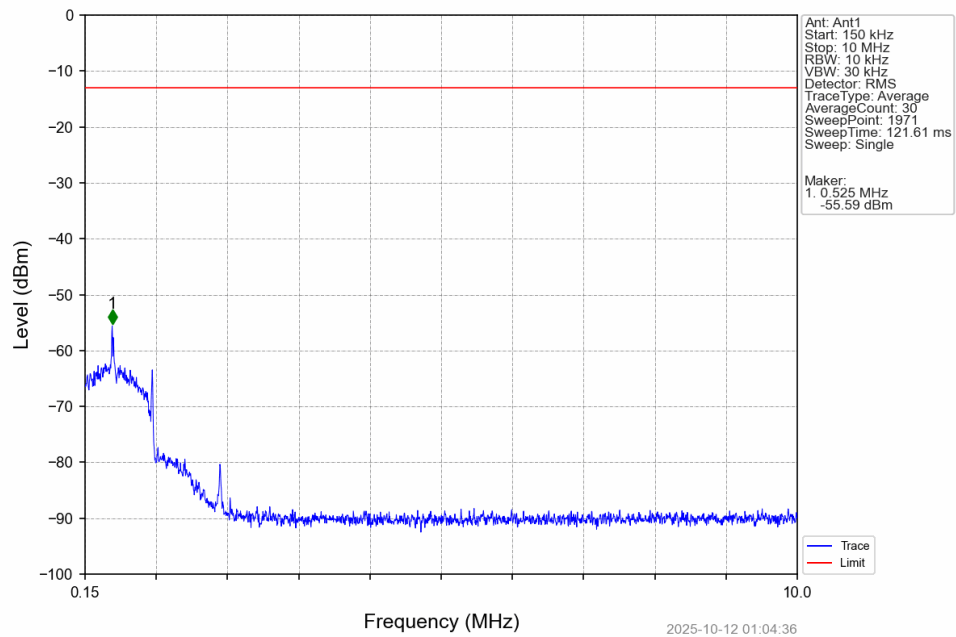
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 829             | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                   | 844             | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 49     | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
| 16QAM                             | 829             | 1             | 0      | Refer To Test Graph | Pass  |
|                                   | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                   | 844             | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 49     | Refer To Test Graph | Pass  |

6.2 Test Graph

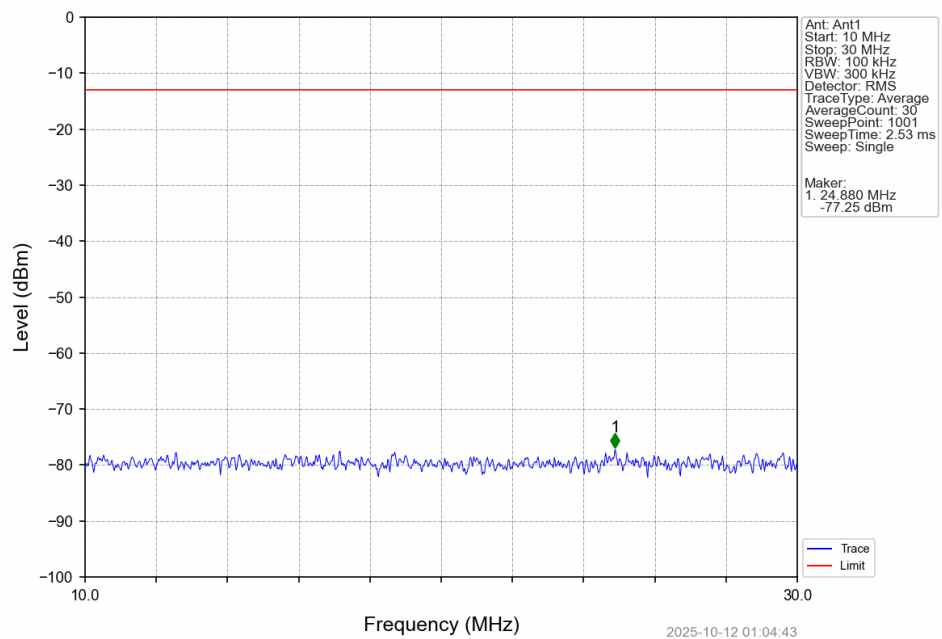
6.2.1 B5\_1.4MHz



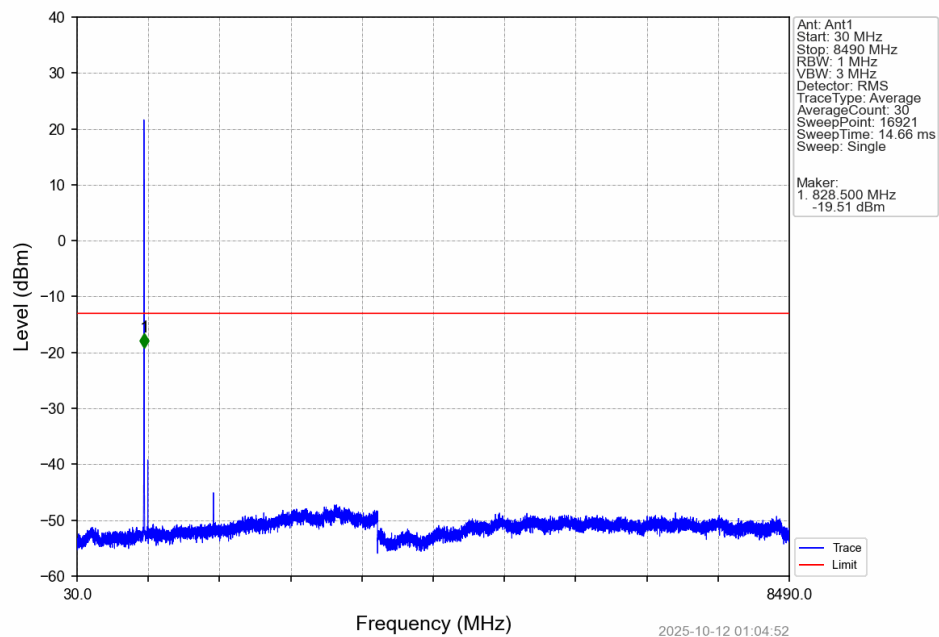
# Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



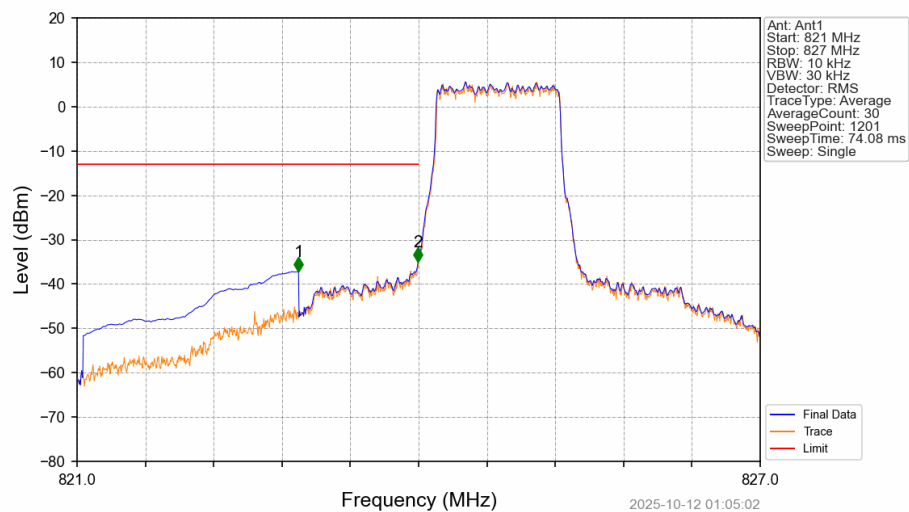
# Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



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

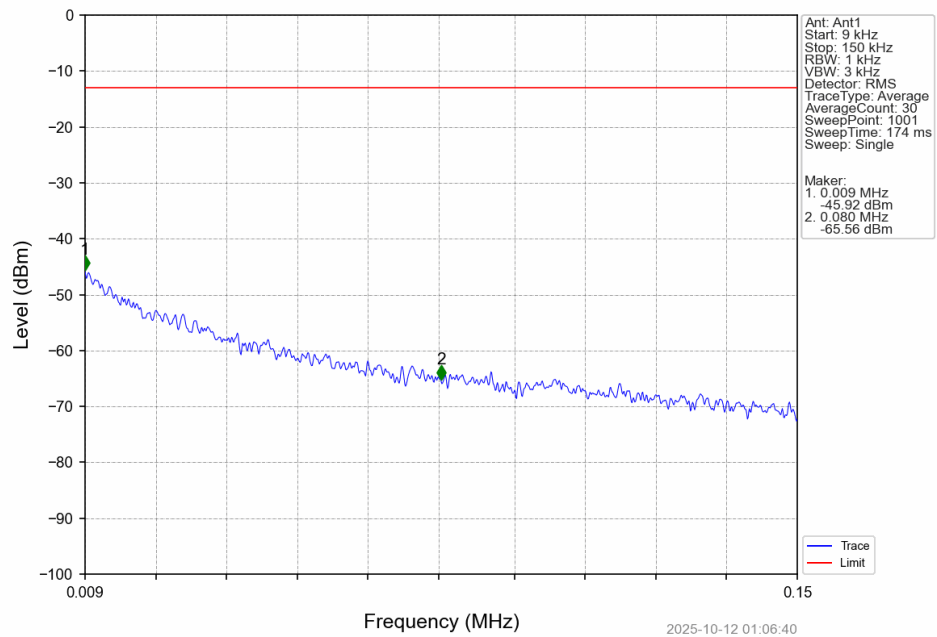


Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

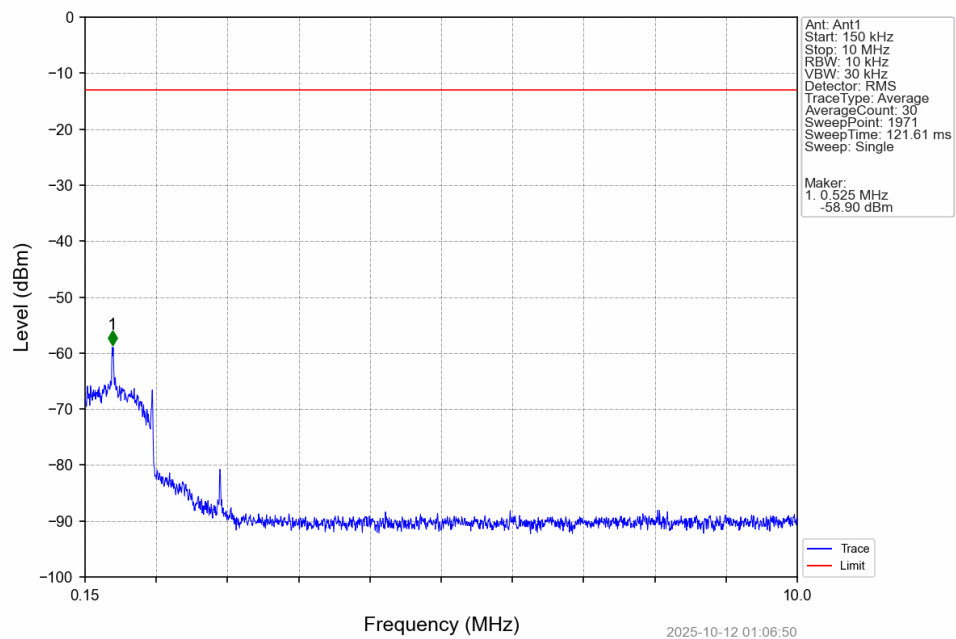


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -37.12      | -13         | Pass   |
| 823         | 824        | 0.013     | CHP    | 2          | 823.995    | -34.89      | -13         | Pass   |
| 824         | 827        | 0.013     | CHP    | /          | /          | /           | /           | /      |

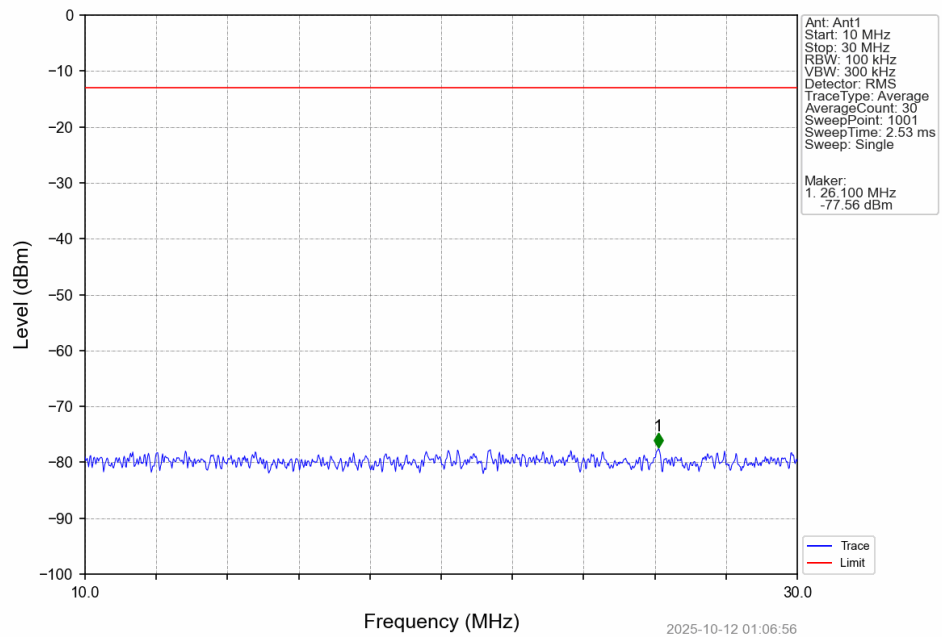
# Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



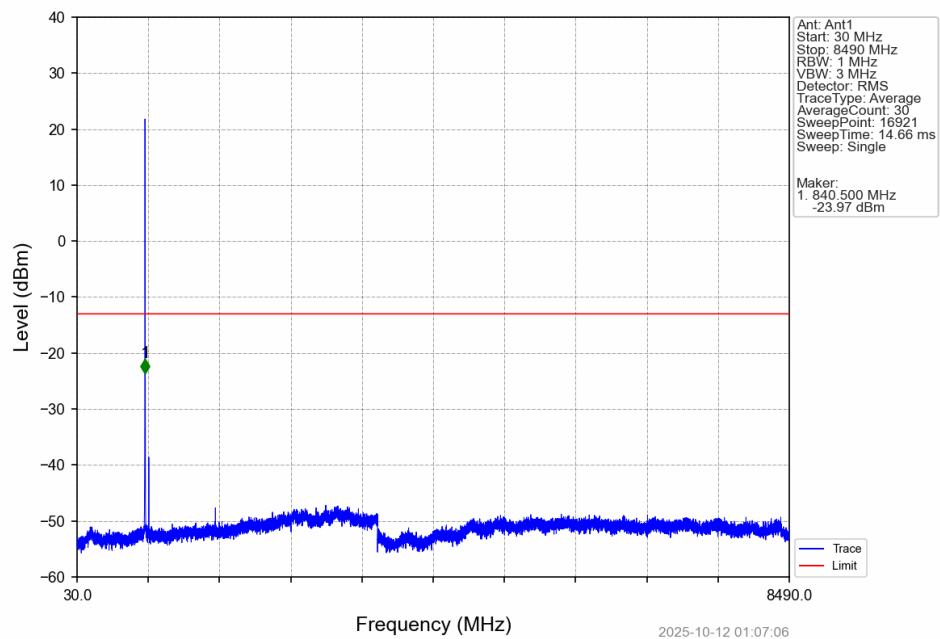
# Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



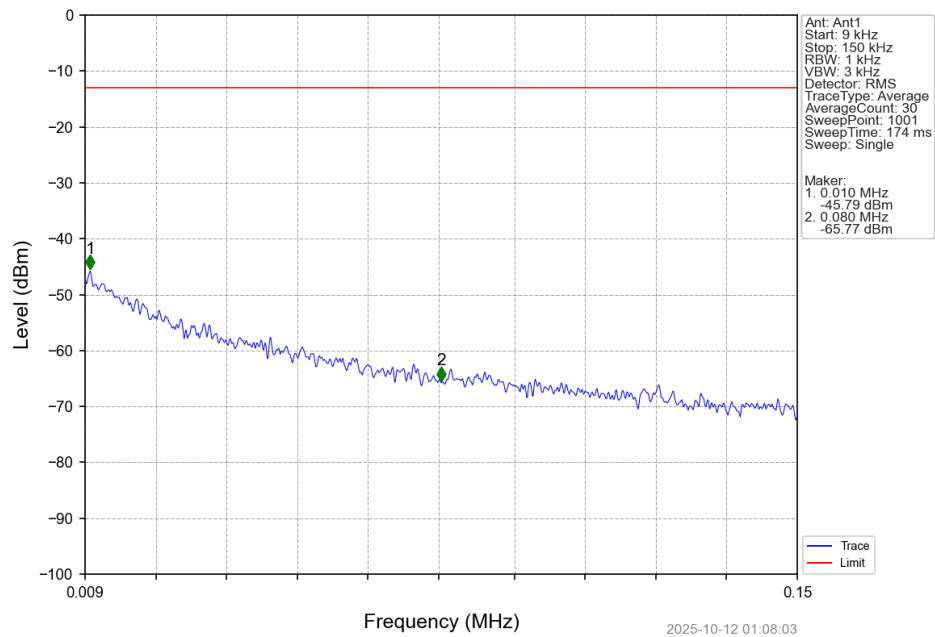
# Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



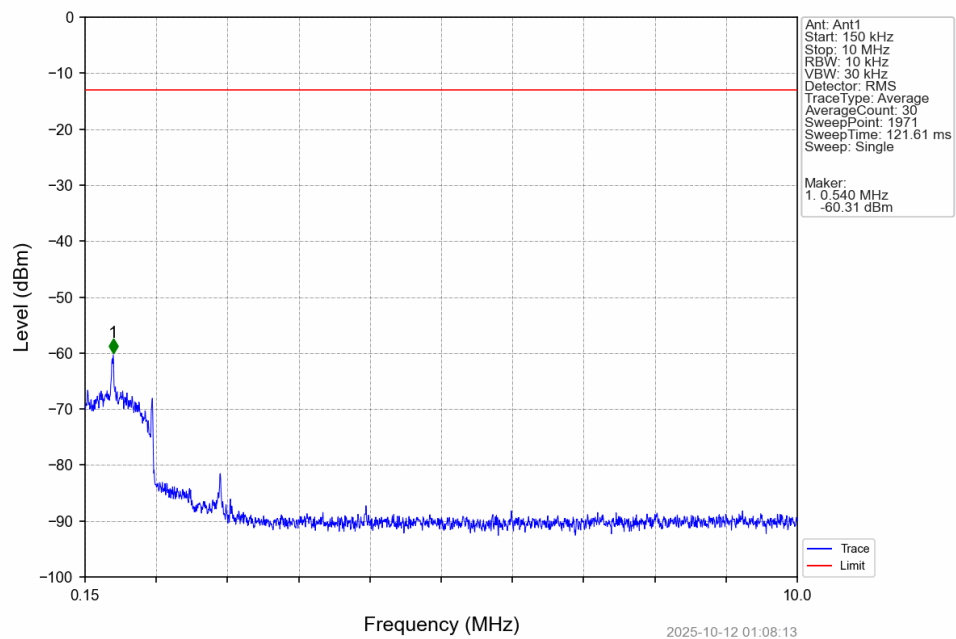
# Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



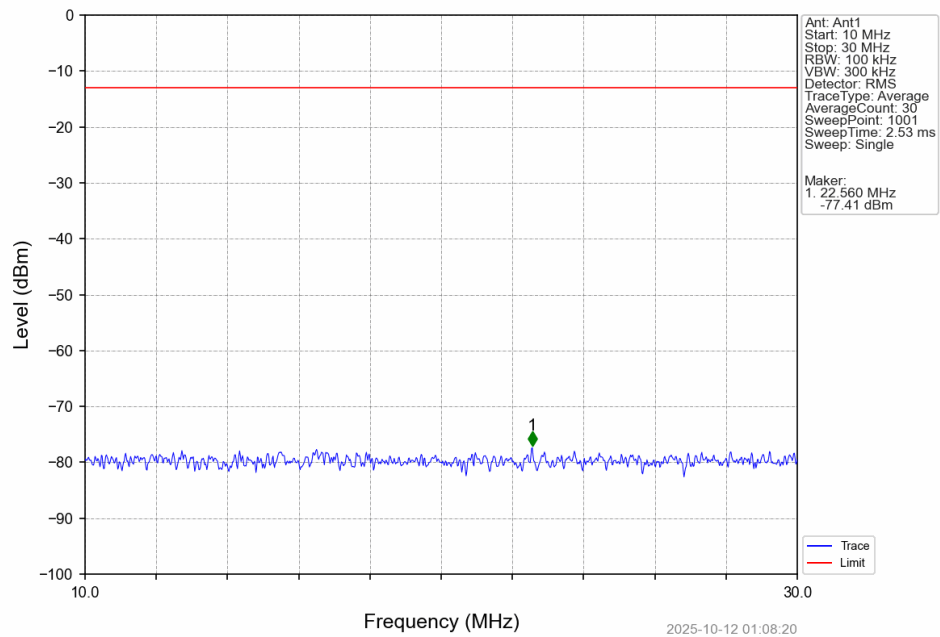
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



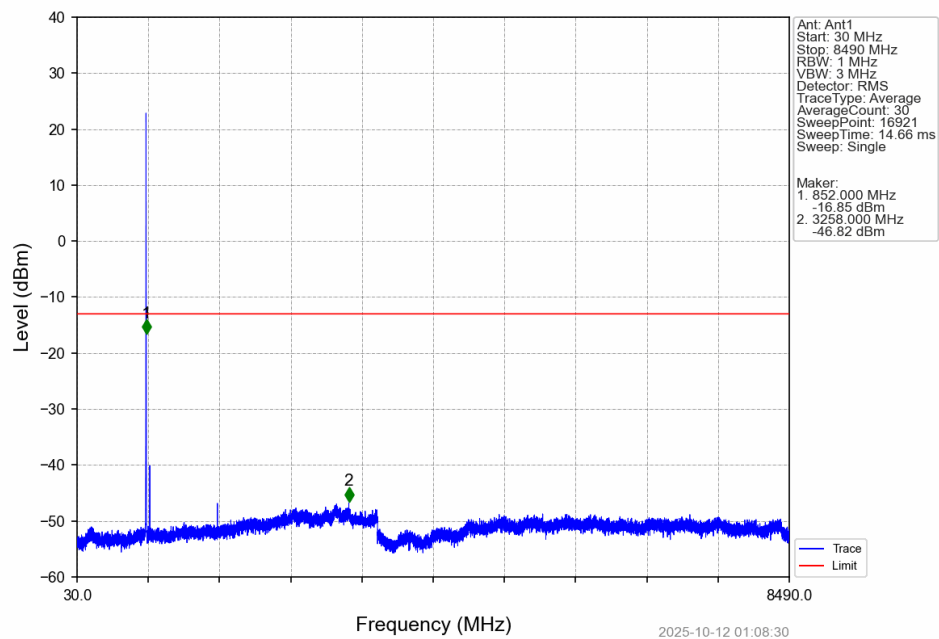
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



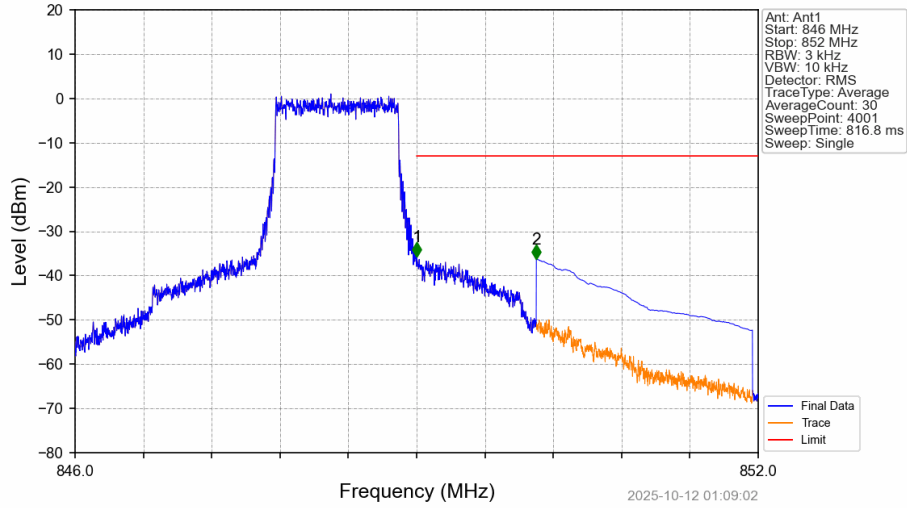
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



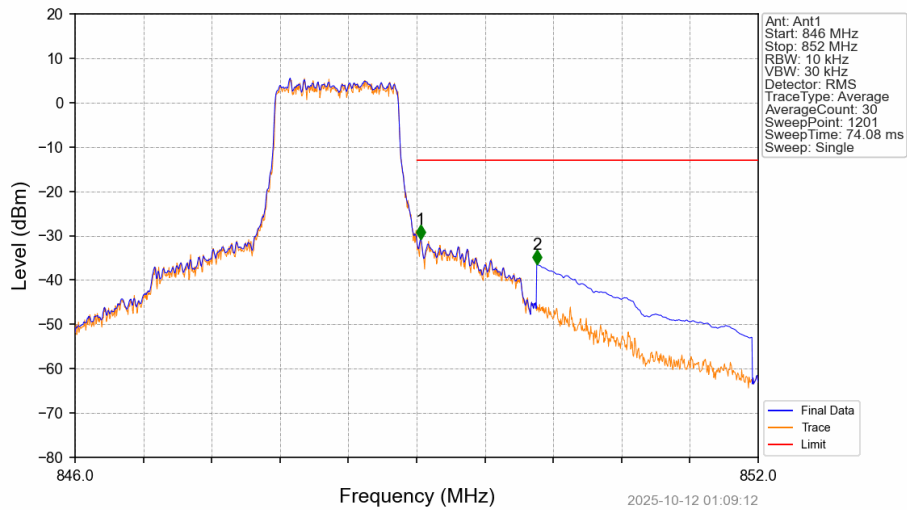
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



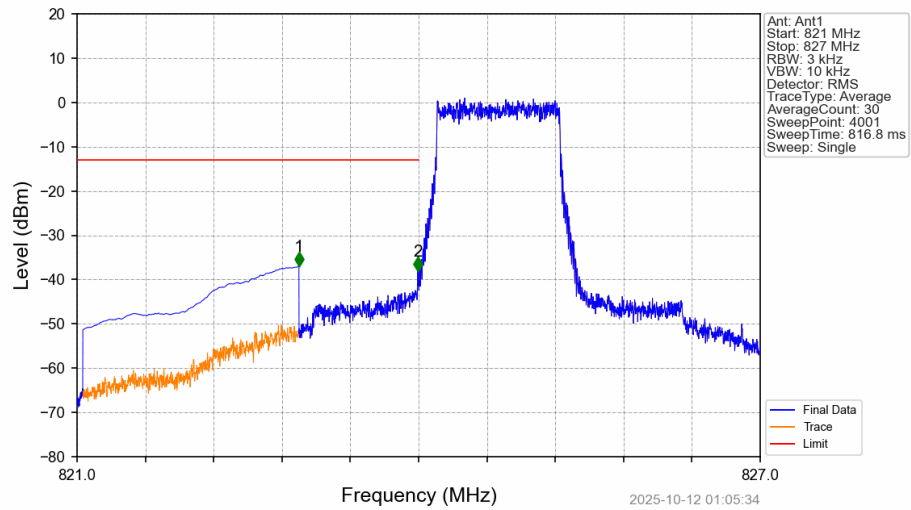
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_5\_NTNV



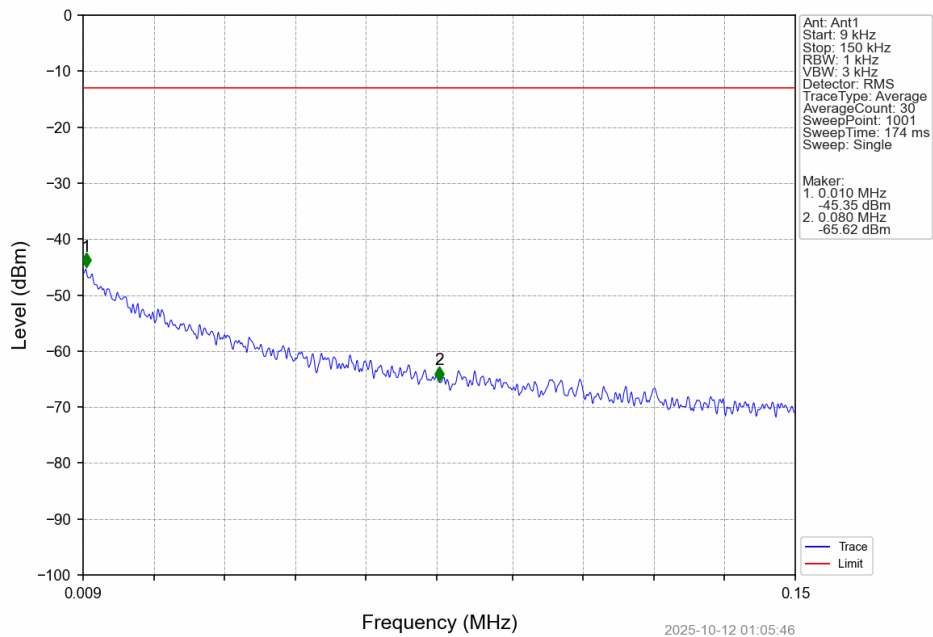
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



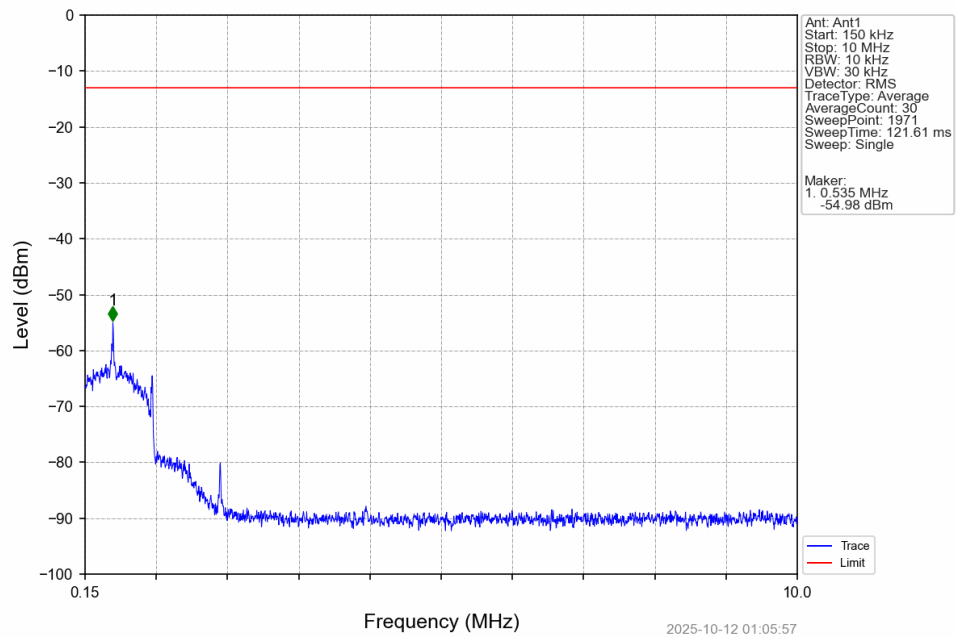
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



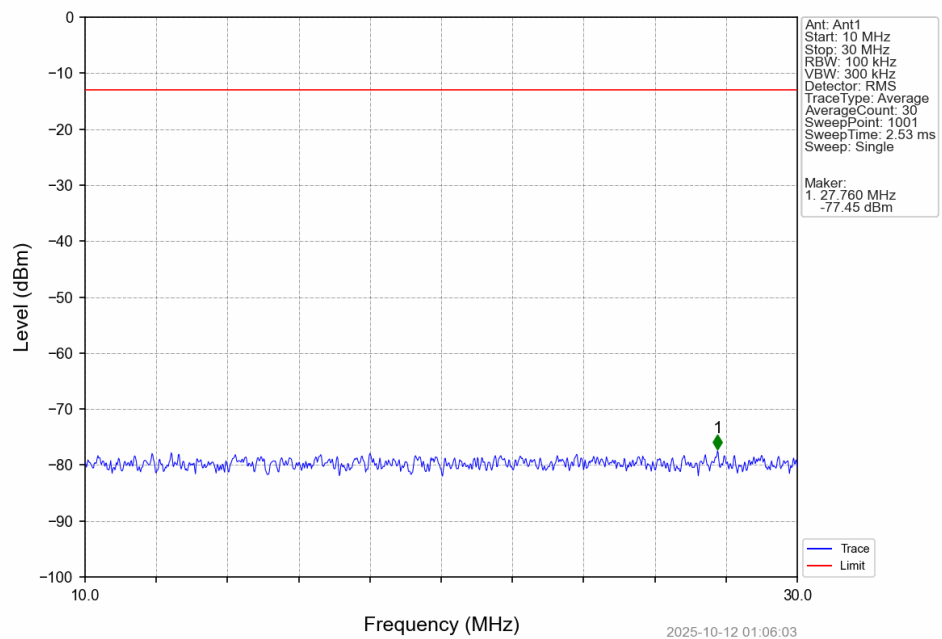
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



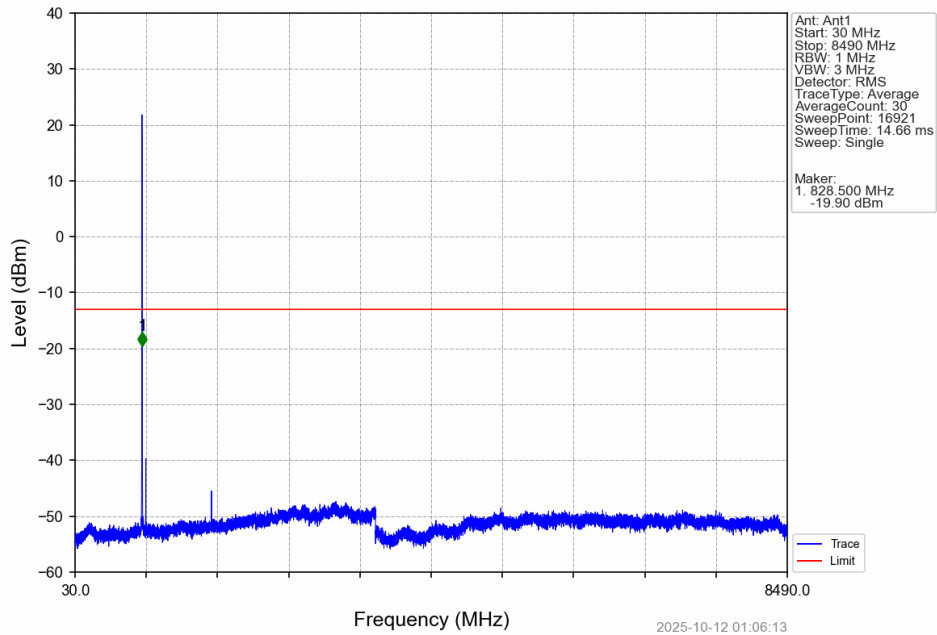
# Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



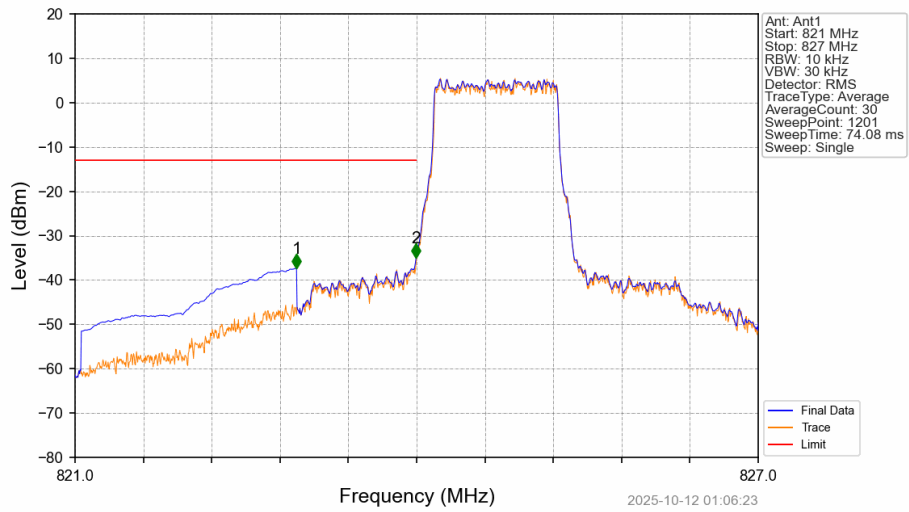
# Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



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

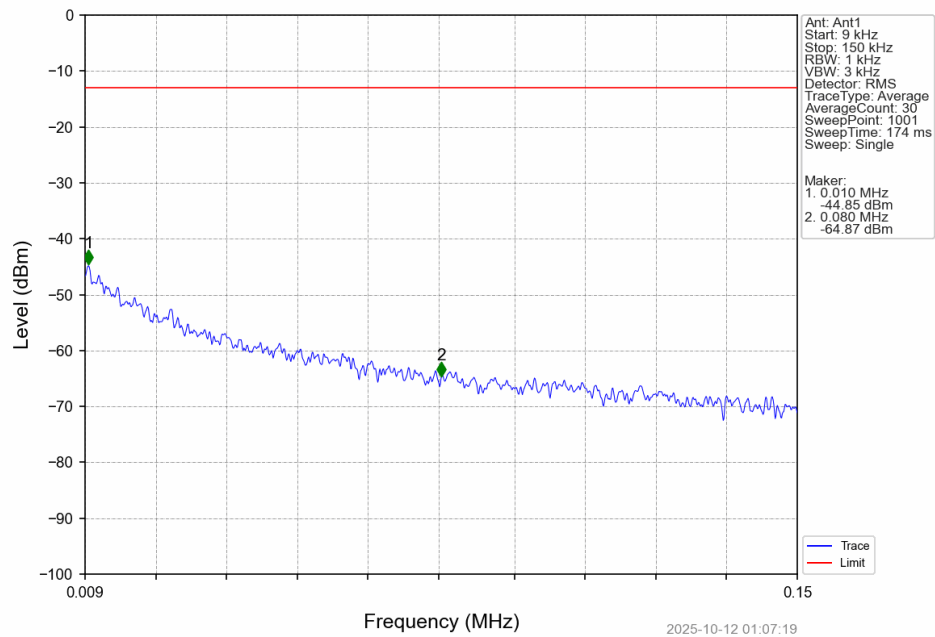


# Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

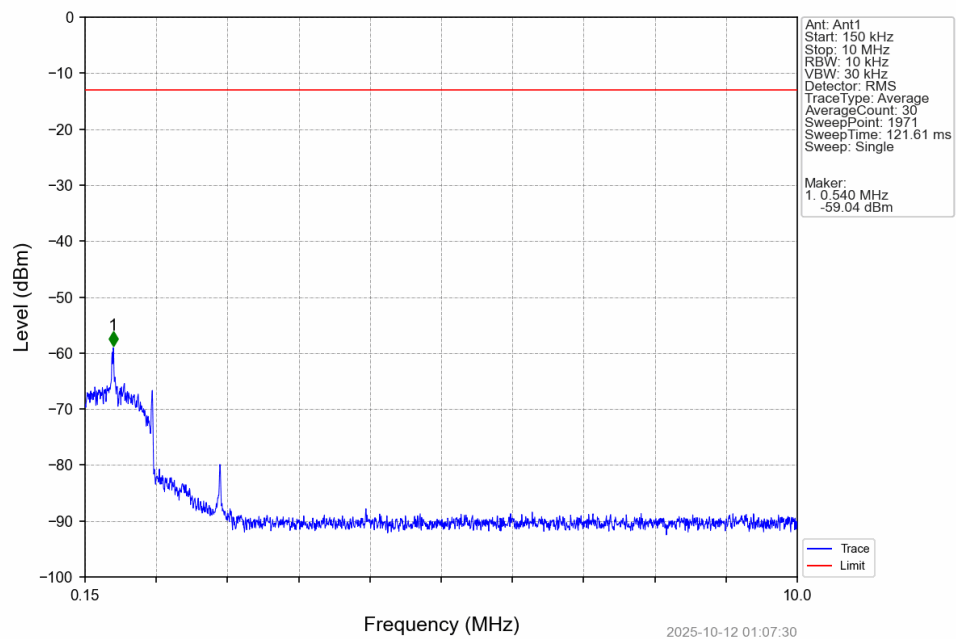


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -37.30      | -13         | Pass   |
| 823         | 824        | 0.013     | CHP    | 2          | 823.995    | -35.04      | -13         | Pass   |
| 824         | 827        | 0.013     | CHP    | /          | /          | /           | /           | /      |

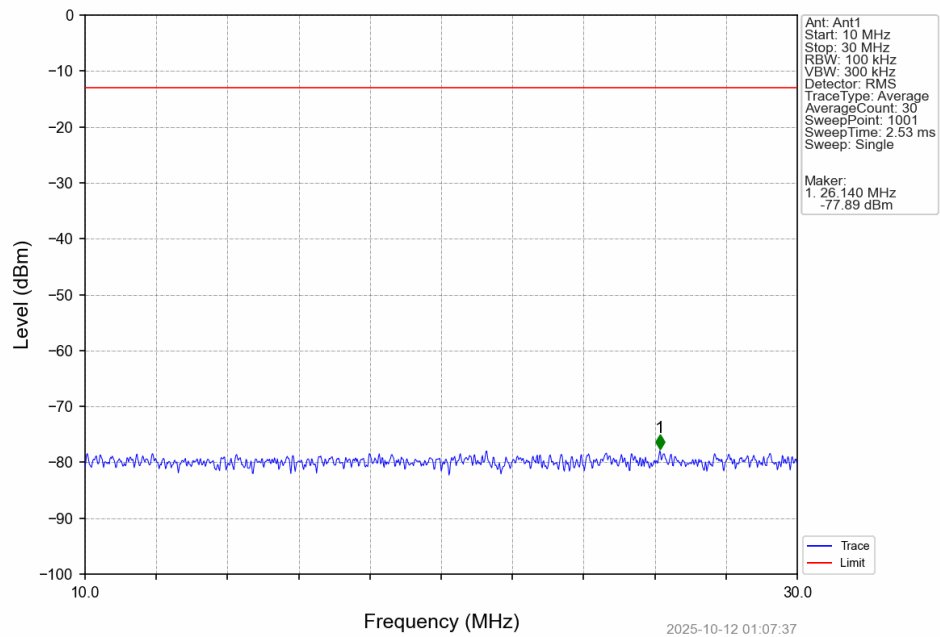
# Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



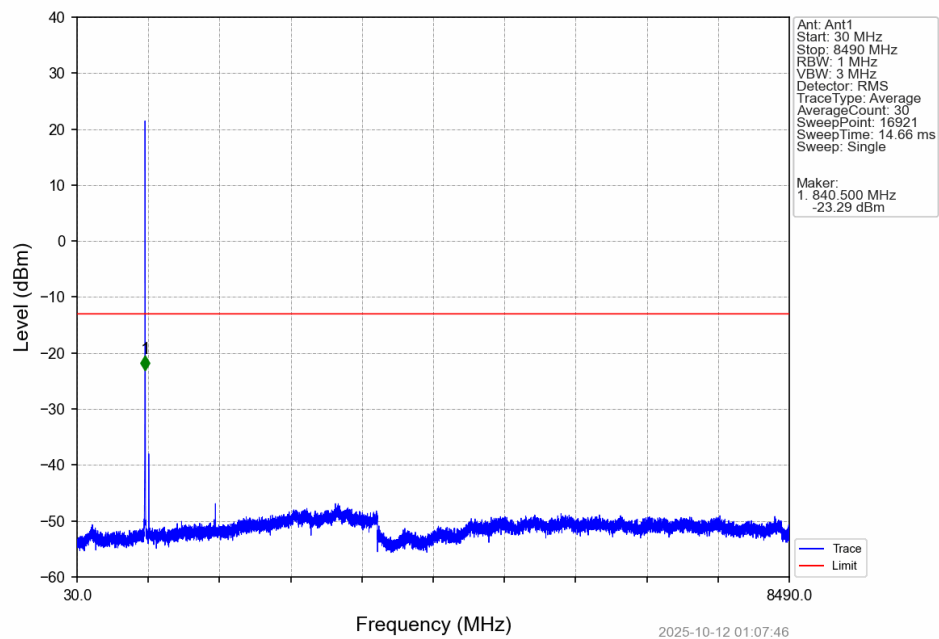
# Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



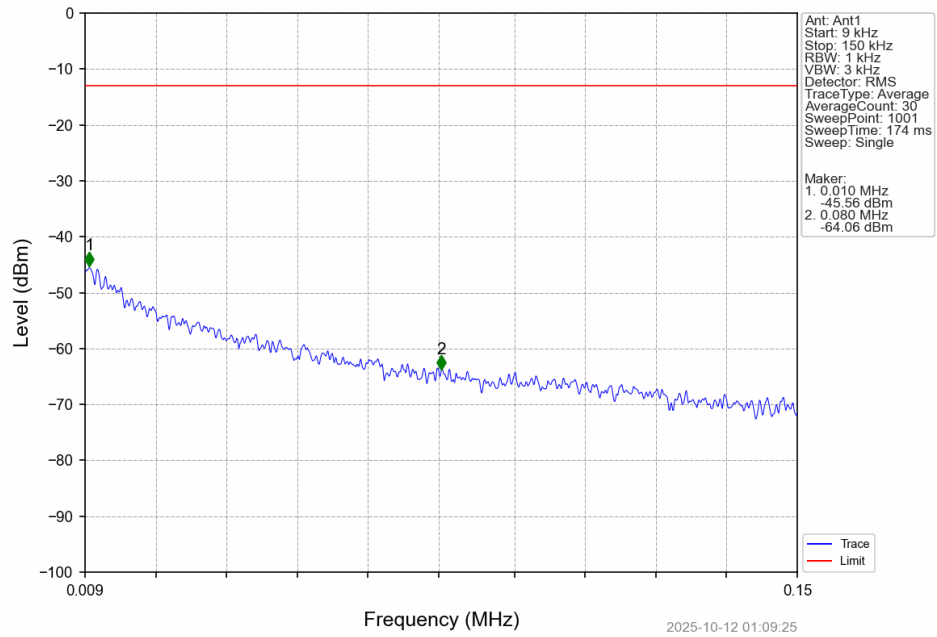
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



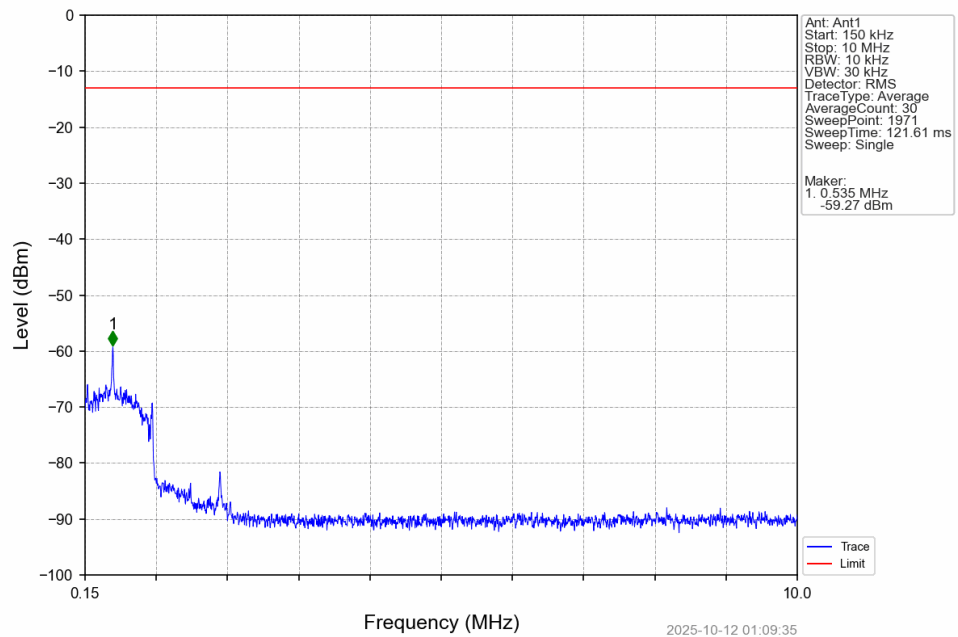
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



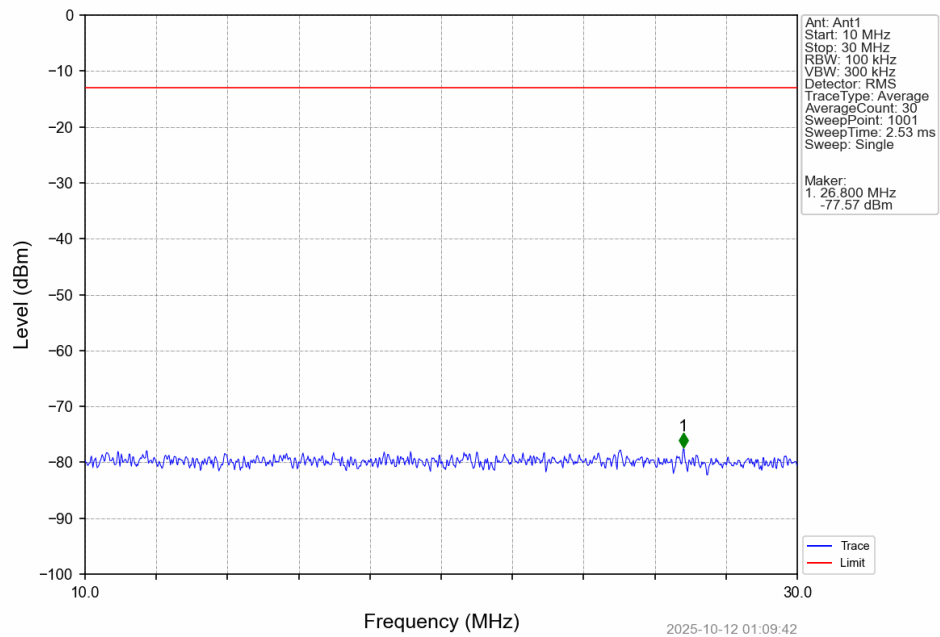
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



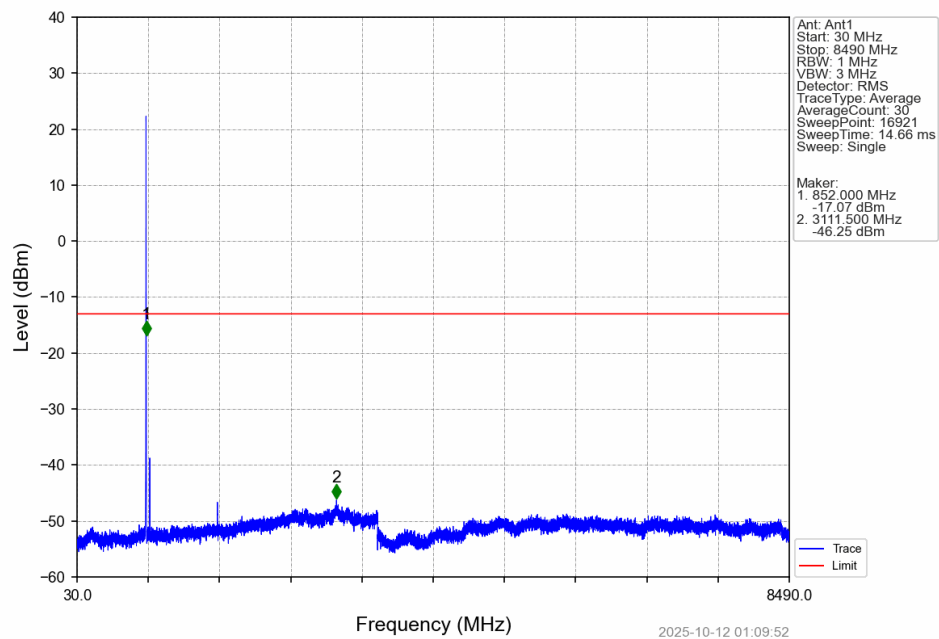
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



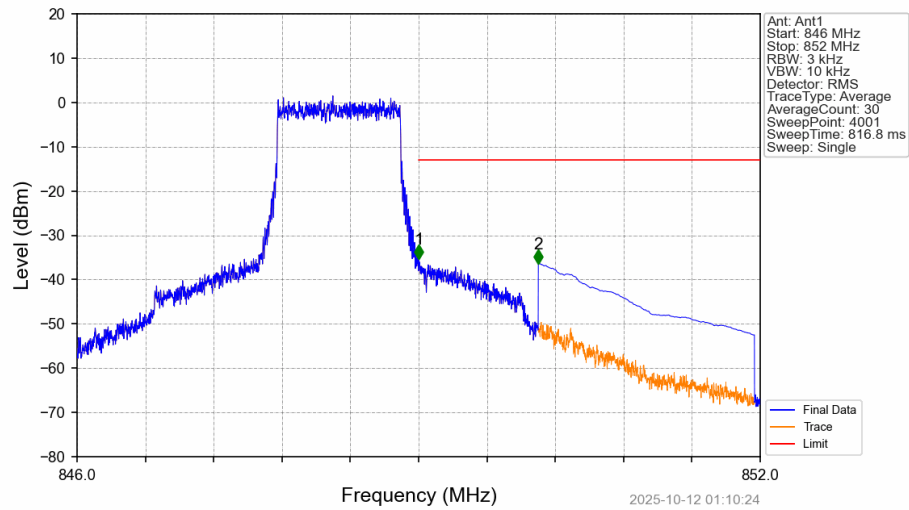
# Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



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

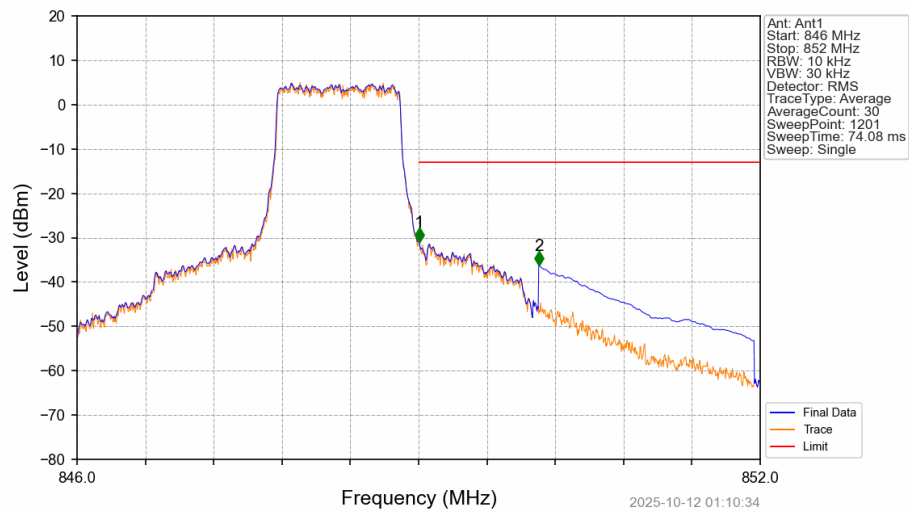


# Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_5\_NTNV



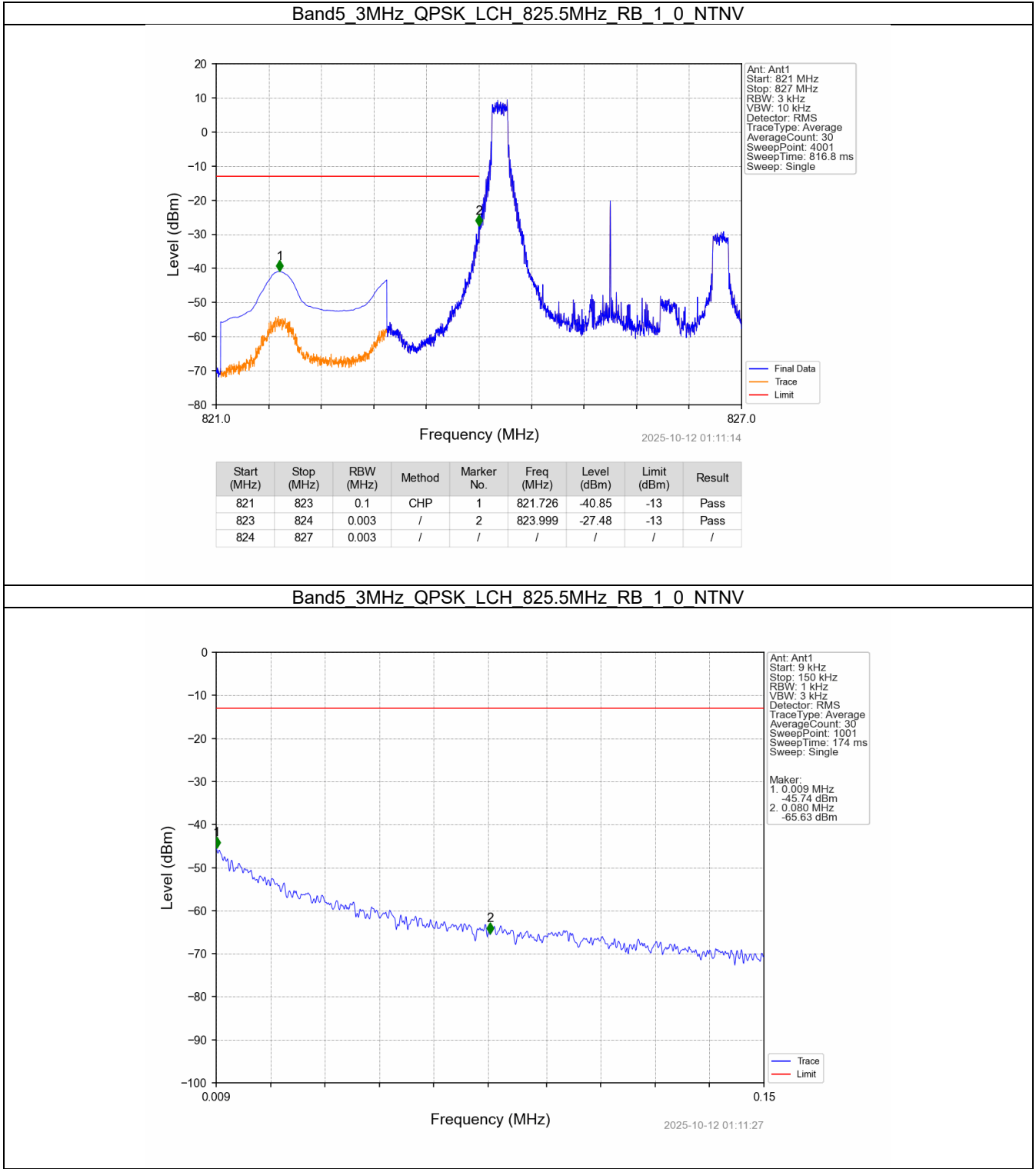
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.003    | -35.40      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.052    | -36.34      | -13         | Pass   |

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

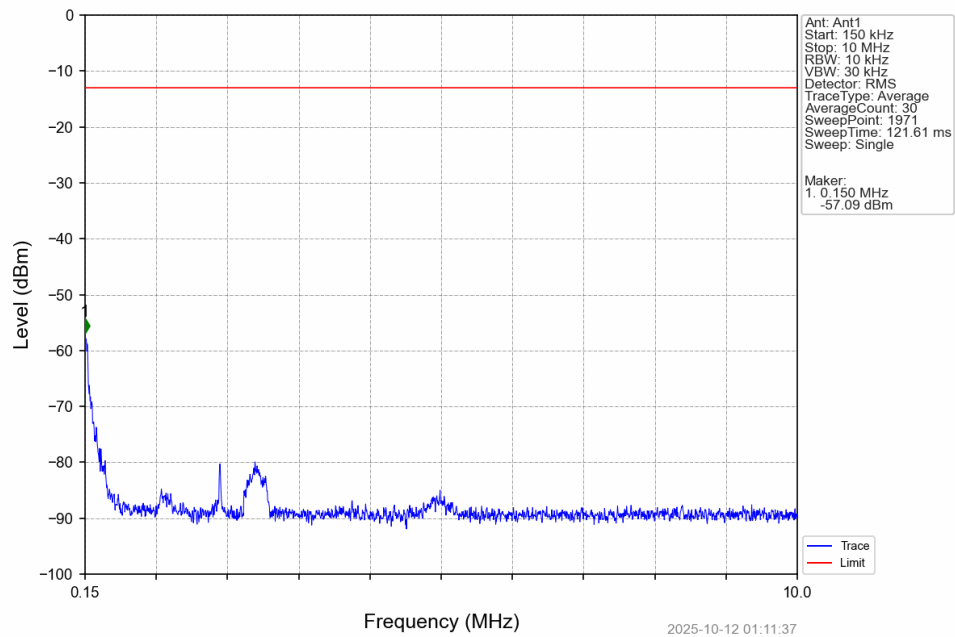


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | CHP    | 1          | 849.005    | -31.02      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -36.21      | -13         | Pass   |

6.2.2 B5\_3MHz



Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_1\_0\_NTNV

