

## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

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

| Band: 5 / Bandwidth: 1.4MHz / NTV            |                 |               |        |                       |            |           |         |         |
|----------------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                                   | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                              |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                                         | 824.7           | 1             | 0      | 29.08                 | -1.47      | 25.46     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 29.13                 | -1.47      | 25.51     | <=38.45 | Pass    |
|                                              |                 |               | 5      | 29.08                 | -1.47      | 25.46     | <=38.45 | Pass    |
|                                              |                 | 3             | 0      | 29.12                 | -1.47      | 25.50     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 29.17                 | -1.47      | 25.55     | <=38.45 | Pass    |
|                                              |                 |               | 3      | 29.07                 | -1.47      | 25.45     | <=38.45 | Pass    |
|                                              |                 | 6             | 0      | 28.07                 | -1.47      | 24.45     | <=38.45 | Pass    |
|                                              | 836.5           | 1             | 0      | 28.99                 | -1.47      | 25.37     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 29.08                 | -1.47      | 25.46     | <=38.45 | Pass    |
|                                              |                 |               | 5      | 29.01                 | -1.47      | 25.39     | <=38.45 | Pass    |
|                                              |                 | 3             | 0      | 29.12                 | -1.47      | 25.50     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 29.13                 | -1.47      | 25.51     | <=38.45 | Pass    |
|                                              |                 |               | 3      | 29.10                 | -1.47      | 25.48     | <=38.45 | Pass    |
|                                              |                 | 6             | 0      | 28.07                 | -1.47      | 24.45     | <=38.45 | Pass    |
|                                              | 848.3           | 1             | 0      | 28.89                 | -1.47      | 25.27     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 29.03                 | -1.47      | 25.41     | <=38.45 | Pass    |
|                                              |                 |               | 5      | 28.95                 | -1.47      | 25.33     | <=38.45 | Pass    |
|                                              |                 | 3             | 0      | 29.01                 | -1.47      | 25.39     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 28.95                 | -1.47      | 25.33     | <=38.45 | Pass    |
|                                              |                 |               | 3      | 29.04                 | -1.47      | 25.42     | <=38.45 | Pass    |
|                                              |                 | 6             | 0      | 27.96                 | -1.47      | 24.34     | <=38.45 | Pass    |
| 16QAM                                        | 824.7           | 1             | 0      | 28.14                 | -1.47      | 24.52     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 28.24                 | -1.47      | 24.62     | <=38.45 | Pass    |
|                                              |                 |               | 5      | 28.13                 | -1.47      | 24.51     | <=38.45 | Pass    |
|                                              |                 | 3             | 0      | 28.05                 | -1.47      | 24.43     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 28.05                 | -1.47      | 24.43     | <=38.45 | Pass    |
|                                              |                 |               | 3      | 28.02                 | -1.47      | 24.40     | <=38.45 | Pass    |
|                                              |                 | 6             | 0      | 27.02                 | -1.47      | 23.40     | <=38.45 | Pass    |
|                                              | 836.5           | 1             | 0      | 28.00                 | -1.47      | 24.38     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 28.09                 | -1.47      | 24.47     | <=38.45 | Pass    |
|                                              |                 |               | 5      | 28.02                 | -1.47      | 24.40     | <=38.45 | Pass    |
|                                              |                 | 3             | 0      | 28.29                 | -1.47      | 24.67     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 28.30                 | -1.47      | 24.68     | <=38.45 | Pass    |
|                                              |                 |               | 3      | 28.29                 | -1.47      | 24.67     | <=38.45 | Pass    |
|                                              |                 | 6             | 0      | 27.08                 | -1.47      | 23.46     | <=38.45 | Pass    |
|                                              | 848.3           | 1             | 0      | 27.94                 | -1.47      | 24.32     | <=38.45 | Pass    |
|                                              |                 |               | 2      | 28.06                 | -1.47      | 24.44     | <=38.45 | Pass    |
|                                              |                 |               | 5      | 28.06                 | -1.47      | 24.44     | <=38.45 | Pass    |
|                                              |                 | 3             | 0      | 28.11                 | -1.47      | 24.49     | <=38.45 | Pass    |
| 2                                            |                 |               | 28.16  | -1.47                 | 24.54      | <=38.45   | Pass    |         |
| 3                                            |                 |               | 28.10  | -1.47                 | 24.48      | <=38.45   | Pass    |         |
| 6                                            |                 | 0             | 26.92  | -1.47                 | 23.30      | <=38.45   | Pass    |         |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |                 |               |        |                       |            |           |         |         |

#### 1.1.2 B5\_3MHz\_ERP

|                                  |
|----------------------------------|
| Band: 5 / Bandwidth: 3MHz / NTNV |
|----------------------------------|

| Modulation                                   | Frequency<br>(MHz) | RB Allocation |        | Conducted Power<br>(dBm) | Gain<br>(dBi) | ERP (dBm) |         | Verdict |      |
|----------------------------------------------|--------------------|---------------|--------|--------------------------|---------------|-----------|---------|---------|------|
|                                              |                    | Size          | Offset |                          |               | Result    | Limit   |         |      |
| QPSK                                         | 825.5              | 1             | 0      | 28.90                    | -1.47         | 25.28     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 29.07                    | -1.47         | 25.45     | <=38.45 | Pass    |      |
|                                              |                    |               | 14     | 28.95                    | -1.47         | 25.33     | <=38.45 | Pass    |      |
|                                              |                    | 8             | 0      | 27.91                    | -1.47         | 24.29     | <=38.45 | Pass    |      |
|                                              |                    |               | 4      | 27.99                    | -1.47         | 24.37     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 27.94                    | -1.47         | 24.32     | <=38.45 | Pass    |      |
|                                              |                    | 15            | 0      | 27.92                    | -1.47         | 24.30     | <=38.45 | Pass    |      |
|                                              |                    | 836.5         | 1      | 0                        | 28.93         | -1.47     | 25.31   | <=38.45 | Pass |
|                                              |                    |               |        | 7                        | 29.08         | -1.47     | 25.46   | <=38.45 | Pass |
|                                              | 14                 |               |        | 28.89                    | -1.47         | 25.27     | <=38.45 | Pass    |      |
|                                              | 8                  |               | 0      | 27.95                    | -1.47         | 24.33     | <=38.45 | Pass    |      |
|                                              |                    |               | 4      | 27.98                    | -1.47         | 24.36     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 27.94                    | -1.47         | 24.32     | <=38.45 | Pass    |      |
|                                              | 15                 | 0             | 27.95  | -1.47                    | 24.33         | <=38.45   | Pass    |         |      |
|                                              | 847.5              | 1             | 0      | 28.87                    | -1.47         | 25.25     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 29.00                    | -1.47         | 25.38     | <=38.45 | Pass    |      |
|                                              |                    |               | 14     | 28.84                    | -1.47         | 25.22     | <=38.45 | Pass    |      |
|                                              |                    | 8             | 0      | 27.85                    | -1.47         | 24.23     | <=38.45 | Pass    |      |
|                                              |                    |               | 4      | 27.79                    | -1.47         | 24.17     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 27.71                    | -1.47         | 24.09     | <=38.45 | Pass    |      |
|                                              |                    | 15            | 0      | 27.64                    | -1.47         | 24.02     | <=38.45 | Pass    |      |
| 16QAM                                        |                    | 825.5         | 1      | 0                        | 27.99         | -1.47     | 24.37   | <=38.45 | Pass |
|                                              |                    |               |        | 7                        | 28.14         | -1.47     | 24.52   | <=38.45 | Pass |
|                                              | 14                 |               |        | 28.00                    | -1.47         | 24.38     | <=38.45 | Pass    |      |
|                                              | 8                  |               | 0      | 27.01                    | -1.47         | 23.39     | <=38.45 | Pass    |      |
|                                              |                    |               | 4      | 27.05                    | -1.47         | 23.43     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 27.00                    | -1.47         | 23.38     | <=38.45 | Pass    |      |
|                                              | 15                 |               | 0      | 26.97                    | -1.47         | 23.35     | <=38.45 | Pass    |      |
|                                              | 836.5              | 1             | 0      | 28.13                    | -1.47         | 24.51     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 28.25                    | -1.47         | 24.63     | <=38.45 | Pass    |      |
|                                              |                    |               | 14     | 28.10                    | -1.47         | 24.48     | <=38.45 | Pass    |      |
|                                              |                    | 8             | 0      | 26.97                    | -1.47         | 23.35     | <=38.45 | Pass    |      |
|                                              |                    |               | 4      | 27.03                    | -1.47         | 23.41     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 26.92                    | -1.47         | 23.30     | <=38.45 | Pass    |      |
|                                              | 15                 | 0             | 26.94  | -1.47                    | 23.32         | <=38.45   | Pass    |         |      |
|                                              | 847.5              | 1             | 0      | 28.09                    | -1.47         | 24.47     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 28.12                    | -1.47         | 24.50     | <=38.45 | Pass    |      |
|                                              |                    |               | 14     | 27.98                    | -1.47         | 24.36     | <=38.45 | Pass    |      |
|                                              |                    | 8             | 0      | 26.57                    | -1.47         | 22.95     | <=38.45 | Pass    |      |
|                                              |                    |               | 4      | 26.69                    | -1.47         | 23.07     | <=38.45 | Pass    |      |
|                                              |                    |               | 7      | 26.56                    | -1.47         | 22.94     | <=38.45 | Pass    |      |
|                                              |                    | 15            | 0      | 26.48                    | -1.47         | 22.86     | <=38.45 | Pass    |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |                    |               |        |                          |               |           |         |         |      |

### 1.1.3 B5\_5MHz\_ERP

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 826.5           | 1             | 0      | 28.64                 | -1.47      | 25.02     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 28.89                 | -1.47      | 25.27     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 28.76                 | -1.47      | 25.14     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 27.81                 | -1.47      | 24.19     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 27.83                 | -1.47      | 24.21     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 27.83                 | -1.47      | 24.21     | <=38.45 | Pass    |

|       |       |    |    |       |       |       |         |      |
|-------|-------|----|----|-------|-------|-------|---------|------|
|       | 836.5 | 25 | 0  | 27.89 | -1.47 | 24.27 | <=38.45 | Pass |
|       |       | 1  | 0  | 28.93 | -1.47 | 25.31 | <=38.45 | Pass |
|       |       |    | 13 | 29.01 | -1.47 | 25.39 | <=38.45 | Pass |
|       |       |    | 24 | 28.89 | -1.47 | 25.27 | <=38.45 | Pass |
|       |       | 12 | 0  | 27.99 | -1.47 | 24.37 | <=38.45 | Pass |
|       |       |    | 6  | 28.04 | -1.47 | 24.42 | <=38.45 | Pass |
|       |       |    | 13 | 27.98 | -1.47 | 24.36 | <=38.45 | Pass |
|       |       | 25 | 0  | 28.04 | -1.47 | 24.42 | <=38.45 | Pass |
|       | 846.5 | 1  | 0  | 28.84 | -1.47 | 25.22 | <=38.45 | Pass |
|       |       |    | 13 | 28.75 | -1.47 | 25.13 | <=38.45 | Pass |
|       |       |    | 24 | 28.36 | -1.47 | 24.74 | <=38.45 | Pass |
|       |       | 12 | 0  | 27.44 | -1.47 | 23.82 | <=38.45 | Pass |
|       |       |    | 6  | 27.48 | -1.47 | 23.86 | <=38.45 | Pass |
|       |       |    | 13 | 27.43 | -1.47 | 23.81 | <=38.45 | Pass |
|       |       | 25 | 0  | 27.42 | -1.47 | 23.80 | <=38.45 | Pass |
| 16QAM | 826.5 | 1  | 0  | 27.89 | -1.47 | 24.27 | <=38.45 | Pass |
|       |       |    | 13 | 28.09 | -1.47 | 24.47 | <=38.45 | Pass |
|       |       |    | 24 | 27.98 | -1.47 | 24.36 | <=38.45 | Pass |
|       |       | 12 | 0  | 26.89 | -1.47 | 23.27 | <=38.45 | Pass |
|       |       |    | 6  | 27.03 | -1.47 | 23.41 | <=38.45 | Pass |
|       |       |    | 13 | 26.95 | -1.47 | 23.33 | <=38.45 | Pass |
|       |       | 25 | 0  | 26.93 | -1.47 | 23.31 | <=38.45 | Pass |
|       | 836.5 | 1  | 0  | 28.22 | -1.47 | 24.60 | <=38.45 | Pass |
|       |       |    | 13 | 28.29 | -1.47 | 24.67 | <=38.45 | Pass |
|       |       |    | 24 | 28.13 | -1.47 | 24.51 | <=38.45 | Pass |
|       |       | 12 | 0  | 27.02 | -1.47 | 23.40 | <=38.45 | Pass |
|       |       |    | 6  | 27.04 | -1.47 | 23.42 | <=38.45 | Pass |
|       |       |    | 13 | 26.99 | -1.47 | 23.37 | <=38.45 | Pass |
|       |       | 25 | 0  | 27.01 | -1.47 | 23.39 | <=38.45 | Pass |
|       | 846.5 | 1  | 0  | 27.21 | -1.47 | 23.59 | <=38.45 | Pass |
|       |       |    | 13 | 27.27 | -1.47 | 23.65 | <=38.45 | Pass |
|       |       |    | 24 | 27.18 | -1.47 | 23.56 | <=38.45 | Pass |
|       |       | 12 | 0  | 26.41 | -1.47 | 22.79 | <=38.45 | Pass |
|       |       |    | 6  | 26.40 | -1.47 | 22.78 | <=38.45 | Pass |
|       |       |    | 13 | 26.33 | -1.47 | 22.71 | <=38.45 | Pass |
|       |       | 25 | 0  | 26.38 | -1.47 | 22.76 | <=38.45 | Pass |

Note1: ERP=Conducted Power+Antenna Gain-2.15

#### 1.1.4 B5\_10MHz\_ERP

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |           |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                              | 829             | 1             | 0      | 28.72                 | -1.47      | 25.10     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 28.94                 | -1.47      | 25.32     | <=38.45 | Pass    |
|                                   |                 |               | 49     | 28.83                 | -1.47      | 25.21     | <=38.45 | Pass    |
|                                   |                 | 25            | 0      | 27.80                 | -1.47      | 24.18     | <=38.45 | Pass    |
|                                   |                 |               | 13     | 27.85                 | -1.47      | 24.23     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 27.83                 | -1.47      | 24.21     | <=38.45 | Pass    |
|                                   |                 | 50            | 0      | 27.85                 | -1.47      | 24.23     | <=38.45 | Pass    |
|                                   | 836.5           | 1             | 0      | 28.84                 | -1.47      | 25.22     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 28.87                 | -1.47      | 25.25     | <=38.45 | Pass    |
|                                   |                 |               | 49     | 28.47                 | -1.47      | 24.85     | <=38.45 | Pass    |
|                                   |                 | 25            | 0      | 27.65                 | -1.47      | 24.03     | <=38.45 | Pass    |
|                                   |                 |               | 13     | 27.75                 | -1.47      | 24.13     | <=38.45 | Pass    |
|                                   |                 |               | 25     | 27.50                 | -1.47      | 23.88     | <=38.45 | Pass    |
|                                   |                 | 50            | 0      | 27.58                 | -1.47      | 23.96     | <=38.45 | Pass    |

|                                              |       |       |       |       |       |         |         |         |         |      |
|----------------------------------------------|-------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|                                              | 844   | 1     | 0     | 28.77 | -1.47 | 25.15   | <=38.45 | Pass    |         |      |
|                                              |       |       | 25    | 28.39 | -1.47 | 24.77   | <=38.45 | Pass    |         |      |
|                                              |       |       | 49    | 28.24 | -1.47 | 24.62   | <=38.45 | Pass    |         |      |
|                                              |       | 25    | 0     | 27.43 | -1.47 | 23.81   | <=38.45 | Pass    |         |      |
|                                              |       |       | 13    | 27.37 | -1.47 | 23.75   | <=38.45 | Pass    |         |      |
|                                              |       |       | 25    | 27.30 | -1.47 | 23.68   | <=38.45 | Pass    |         |      |
|                                              |       | 50    | 0     | 27.36 | -1.47 | 23.74   | <=38.45 | Pass    |         |      |
|                                              |       | 16QAM | 829   | 1     | 0     | 27.77   | -1.47   | 24.15   | <=38.45 | Pass |
|                                              |       |       |       |       | 25    | 27.98   | -1.47   | 24.36   | <=38.45 | Pass |
| 49                                           | 27.86 |       |       |       | -1.47 | 24.24   | <=38.45 | Pass    |         |      |
| 25                                           | 0     |       |       | 26.90 | -1.47 | 23.28   | <=38.45 | Pass    |         |      |
|                                              | 13    |       |       | 26.90 | -1.47 | 23.28   | <=38.45 | Pass    |         |      |
|                                              | 25    |       |       | 26.89 | -1.47 | 23.27   | <=38.45 | Pass    |         |      |
| 50                                           | 0     |       |       | 26.83 | -1.47 | 23.21   | <=38.45 | Pass    |         |      |
| 836.5                                        | 1     |       |       | 0     | 27.56 | -1.47   | 23.94   | <=38.45 | Pass    |      |
|                                              |       |       |       | 25    | 27.88 | -1.47   | 24.26   | <=38.45 | Pass    |      |
|                                              |       |       | 49    | 27.49 | -1.47 | 23.87   | <=38.45 | Pass    |         |      |
|                                              | 25    |       | 0     | 26.65 | -1.47 | 23.03   | <=38.45 | Pass    |         |      |
|                                              |       |       | 13    | 26.73 | -1.47 | 23.11   | <=38.45 | Pass    |         |      |
|                                              |       |       | 25    | 26.70 | -1.47 | 23.08   | <=38.45 | Pass    |         |      |
|                                              | 50    |       | 0     | 26.68 | -1.47 | 23.06   | <=38.45 | Pass    |         |      |
|                                              | 844   |       | 1     | 0     | 27.89 | -1.47   | 24.27   | <=38.45 | Pass    |      |
|                                              |       |       |       | 25    | 28.01 | -1.47   | 24.39   | <=38.45 | Pass    |      |
| 49                                           |       |       |       | 27.78 | -1.47 | 24.16   | <=38.45 | Pass    |         |      |
| 25                                           |       |       | 0     | 26.53 | -1.47 | 22.91   | <=38.45 | Pass    |         |      |
|                                              |       | 13    | 26.45 | -1.47 | 22.83 | <=38.45 | Pass    |         |         |      |
|                                              |       | 25    | 26.35 | -1.47 | 22.73 | <=38.45 | Pass    |         |         |      |
| 50                                           |       | 0     | 26.39 | -1.47 | 22.77 | <=38.45 | Pass    |         |         |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |       |       |       |         |         |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 824.7           | 6             | 0      | 20         | 3.27          | -10.943          | -0.0133               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -1.559           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -3.834           | -0.0046               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -5.293           | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -5.851           | -0.0071               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -3.977           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -5.164           | -0.0063               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -3.991           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -6.652           | -0.0081               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 0.043            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -5.879           | -0.0071               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -7.939           | -0.0095               | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.27          | -6.723           | -0.0080               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -2.003           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -0.758           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -0.987           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -4.063           | -0.0049               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -7.939           | -0.0095               | -2.5 to 2.5 | Pass    |

|       |       |   |   |     |      |         |         |             |      |
|-------|-------|---|---|-----|------|---------|---------|-------------|------|
|       |       |   |   | 0   | 3.85 | -5.107  | -0.0061 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -4.907  | -0.0059 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -4.563  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -4.706  | -0.0056 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -4.864  | -0.0058 | -2.5 to 2.5 | Pass |
|       | 848.3 | 6 | 0 | 20  | 3.27 | -7.782  | -0.0092 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -6.924  | -0.0082 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -6.981  | -0.0082 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -4.106  | -0.0048 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | -3.076  | -0.0036 | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | -7.925  | -0.0093 | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | -5.808  | -0.0068 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -7.138  | -0.0084 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -6.552  | -0.0077 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -5.121  | -0.0060 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -6.022  | -0.0071 | -2.5 to 2.5 | Pass |
| 16QAM | 824.7 | 6 | 0 | 20  | 3.27 | -9.627  | -0.0117 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -6.638  | -0.0080 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -6.065  | -0.0074 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -7.324  | -0.0089 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | -7.896  | -0.0096 | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | -5.279  | -0.0064 | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | -9.370  | -0.0114 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -8.612  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -6.423  | -0.0078 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -5.693  | -0.0069 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -7.167  | -0.0087 | -2.5 to 2.5 | Pass |
|       | 836.5 | 6 | 0 | 20  | 3.27 | -21.472 | -0.0257 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -4.578  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -5.579  | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -3.891  | -0.0047 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | -4.449  | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | -3.161  | -0.0038 | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | -3.576  | -0.0043 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -4.020  | -0.0048 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -6.537  | -0.0078 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -4.578  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -7.095  | -0.0085 | -2.5 to 2.5 | Pass |
|       | 848.3 | 6 | 0 | 20  | 3.27 | -9.284  | -0.0109 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 3.85 | -7.725  | -0.0091 | -2.5 to 2.5 | Pass |
|       |       |   |   |     | 4.43 | -7.339  | -0.0087 | -2.5 to 2.5 | Pass |
|       |       |   |   | -30 | 3.85 | -5.107  | -0.0060 | -2.5 to 2.5 | Pass |
|       |       |   |   | -20 | 3.85 | -2.189  | -0.0026 | -2.5 to 2.5 | Pass |
|       |       |   |   | -10 | 3.85 | -4.005  | -0.0047 | -2.5 to 2.5 | Pass |
|       |       |   |   | 0   | 3.85 | -5.794  | -0.0068 | -2.5 to 2.5 | Pass |
|       |       |   |   | 10  | 3.85 | -7.496  | -0.0088 | -2.5 to 2.5 | Pass |
|       |       |   |   | 30  | 3.85 | -5.965  | -0.0070 | -2.5 to 2.5 | Pass |
|       |       |   |   | 40  | 3.85 | -4.449  | -0.0052 | -2.5 to 2.5 | Pass |
|       |       |   |   | 50  | 3.85 | -5.136  | -0.0061 | -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          | 4.778            | 0.0058                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -4.649           | -0.0056               | -2.5 to 2.5 | Pass    |

|       |       |        |         |             |             |         |         |             |      |
|-------|-------|--------|---------|-------------|-------------|---------|---------|-------------|------|
|       |       |        |         |             | 4.43        | -2.832  | -0.0034 | -2.5 to 2.5 | Pass |
|       |       |        |         | -30         | 3.85        | -5.465  | -0.0066 | -2.5 to 2.5 | Pass |
|       |       |        |         | -20         | 3.85        | -3.376  | -0.0041 | -2.5 to 2.5 | Pass |
|       |       |        |         | -10         | 3.85        | -3.233  | -0.0039 | -2.5 to 2.5 | Pass |
|       |       |        |         | 0           | 3.85        | -3.791  | -0.0046 | -2.5 to 2.5 | Pass |
|       |       |        |         | 10          | 3.85        | -6.566  | -0.0080 | -2.5 to 2.5 | Pass |
|       |       |        |         | 30          | 3.85        | -5.450  | -0.0066 | -2.5 to 2.5 | Pass |
|       |       |        |         | 40          | 3.85        | -6.480  | -0.0078 | -2.5 to 2.5 | Pass |
|       | 50    | 3.85   | -4.463  | -0.0054     | -2.5 to 2.5 | Pass    |         |             |      |
|       | 836.5 | 15     | 0       | 20          | 3.27        | -7.482  | -0.0089 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 3.85        | -8.483  | -0.0101 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 4.43        | -7.238  | -0.0087 | -2.5 to 2.5 | Pass |
|       |       |        |         | -30         | 3.85        | -5.593  | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |        |         | -20         | 3.85        | -3.777  | -0.0045 | -2.5 to 2.5 | Pass |
|       |       |        |         | -10         | 3.85        | -6.509  | -0.0078 | -2.5 to 2.5 | Pass |
|       |       |        |         | 0           | 3.85        | -7.081  | -0.0085 | -2.5 to 2.5 | Pass |
|       |       |        |         | 10          | 3.85        | -10.328 | -0.0123 | -2.5 to 2.5 | Pass |
|       |       |        |         | 30          | 3.85        | -4.764  | -0.0057 | -2.5 to 2.5 | Pass |
|       |       |        |         | 40          | 3.85        | -5.965  | -0.0071 | -2.5 to 2.5 | Pass |
|       | 50    | 3.85   | -4.377  | -0.0052     | -2.5 to 2.5 | Pass    |         |             |      |
|       | 847.5 | 15     | 0       | 20          | 3.27        | -5.651  | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 3.85        | -5.121  | -0.0060 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 4.43        | -3.276  | -0.0039 | -2.5 to 2.5 | Pass |
|       |       |        |         | -30         | 3.85        | -4.921  | -0.0058 | -2.5 to 2.5 | Pass |
|       |       |        |         | -20         | 3.85        | -6.251  | -0.0074 | -2.5 to 2.5 | Pass |
|       |       |        |         | -10         | 3.85        | -6.909  | -0.0082 | -2.5 to 2.5 | Pass |
|       |       |        |         | 0           | 3.85        | -7.725  | -0.0091 | -2.5 to 2.5 | Pass |
|       |       |        |         | 10          | 3.85        | -6.151  | -0.0073 | -2.5 to 2.5 | Pass |
|       |       |        |         | 30          | 3.85        | -8.798  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |        |         | 40          | 3.85        | -10.471 | -0.0124 | -2.5 to 2.5 | Pass |
| 50    | 3.85  | -3.018 | -0.0036 | -2.5 to 2.5 | Pass        |         |         |             |      |
| 16QAM | 825.5 | 15     | 0       | 20          | 3.27        | -6.809  | -0.0082 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 3.85        | -3.505  | -0.0042 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 4.43        | -4.663  | -0.0056 | -2.5 to 2.5 | Pass |
|       |       |        |         | -30         | 3.85        | -6.137  | -0.0074 | -2.5 to 2.5 | Pass |
|       |       |        |         | -20         | 3.85        | -4.663  | -0.0056 | -2.5 to 2.5 | Pass |
|       |       |        |         | -10         | 3.85        | -6.967  | -0.0084 | -2.5 to 2.5 | Pass |
|       |       |        |         | 0           | 3.85        | -8.755  | -0.0106 | -2.5 to 2.5 | Pass |
|       |       |        |         | 10          | 3.85        | -4.091  | -0.0050 | -2.5 to 2.5 | Pass |
|       |       |        |         | 30          | 3.85        | -6.967  | -0.0084 | -2.5 to 2.5 | Pass |
|       |       |        |         | 40          | 3.85        | -7.997  | -0.0097 | -2.5 to 2.5 | Pass |
|       | 50    | 3.85   | -7.839  | -0.0095     | -2.5 to 2.5 | Pass    |         |             |      |
|       | 836.5 | 15     | 0       | 20          | 3.27        | -0.858  | -0.0010 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 3.85        | -7.968  | -0.0095 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 4.43        | -9.599  | -0.0115 | -2.5 to 2.5 | Pass |
|       |       |        |         | -30         | 3.85        | -3.633  | -0.0043 | -2.5 to 2.5 | Pass |
|       |       |        |         | -20         | 3.85        | -1.059  | -0.0013 | -2.5 to 2.5 | Pass |
|       |       |        |         | -10         | 3.85        | -2.131  | -0.0025 | -2.5 to 2.5 | Pass |
|       |       |        |         | 0           | 3.85        | -5.994  | -0.0072 | -2.5 to 2.5 | Pass |
|       |       |        |         | 10          | 3.85        | -8.698  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |        |         | 30          | 3.85        | -6.580  | -0.0079 | -2.5 to 2.5 | Pass |
|       |       |        |         | 40          | 3.85        | -4.020  | -0.0048 | -2.5 to 2.5 | Pass |
|       | 50    | 3.85   | -9.599  | -0.0115     | -2.5 to 2.5 | Pass    |         |             |      |
|       | 847.5 | 15     | 0       | 20          | 3.27        | -2.604  | -0.0031 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 3.85        | -4.306  | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |        |         |             | 4.43        | -1.574  | -0.0019 | -2.5 to 2.5 | Pass |
|       |       |        |         | -30         | 3.85        | -1.616  | -0.0019 | -2.5 to 2.5 | Pass |
|       |       |        |         | -20         | 3.85        | -5.150  | -0.0061 | -2.5 to 2.5 | Pass |
|       |       |        |         | -10         | 3.85        | -2.131  | -0.0025 | -2.5 to 2.5 | Pass |
|       |       |        |         |             |             |         |         |             |      |
|       |       |        |         |             |             |         |         |             |      |

|  |  |  |  |    |      |        |         |             |      |
|--|--|--|--|----|------|--------|---------|-------------|------|
|  |  |  |  | 0  | 3.85 | -3.219 | -0.0038 | -2.5 to 2.5 | Pass |
|  |  |  |  | 10 | 3.85 | -6.166 | -0.0073 | -2.5 to 2.5 | Pass |
|  |  |  |  | 30 | 3.85 | -2.775 | -0.0033 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | -4.191 | -0.0049 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -5.779 | -0.0068 | -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          | -4.005           | -0.0048               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -6.738           | -0.0082               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -7.138           | -0.0086               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -7.596           | -0.0092               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -4.621           | -0.0056               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -4.563           | -0.0055               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -1.874           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -5.379           | -0.0065               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -8.340           | -0.0101               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -7.811           | -0.0095               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -3.576           | -0.0043               | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.27          | -7.010           | -0.0084               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -5.379           | -0.0064               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -1.745           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -8.054           | -0.0096               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -7.038           | -0.0084               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -7.310           | -0.0087               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -7.238           | -0.0087               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -6.566           | -0.0078               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -5.522           | -0.0066               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -6.666           | -0.0080               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -4.420           | -0.0053               | -2.5 to 2.5 | Pass    |
|                           | 846.5           | 25            | 0      | 20         | 3.27          | -7.067           | -0.0083               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -5.107           | -0.0060               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -7.110           | -0.0084               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -6.394           | -0.0076               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -3.862           | -0.0046               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -5.808           | -0.0069               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -1.516           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -4.249           | -0.0050               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -8.869           | -0.0105               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -2.503           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -4.206           | -0.0050               | -2.5 to 2.5 | Pass    |
| 16QAM                     | 826.5           | 25            | 0      | 20         | 3.27          | -7.052           | -0.0085               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -9.470           | -0.0115               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -8.454           | -0.0102               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -8.011           | -0.0097               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -9.041           | -0.0109               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -6.008           | -0.0073               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -8.383           | -0.0101               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -5.493           | -0.0066               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -4.606           | -0.0056               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -3.905           | -0.0047               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -3.076           | -0.0037               | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.27          | -6.452           | -0.0077               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -5.851           | -0.0070               | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   |     | 4.43 | -4.392  | -0.0053 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -5.479  | -0.0065 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -6.466  | -0.0077 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -7.911  | -0.0095 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -7.968  | -0.0095 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -5.722  | -0.0068 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -4.921  | -0.0059 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -10.672 | -0.0128 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -5.851  | -0.0070 | -2.5 to 2.5 | Pass |
|  | 846.5 | 25 | 0 | 20  | 3.27 | -5.379  | -0.0064 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -5.007  | -0.0059 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -5.465  | -0.0065 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -1.903  | -0.0022 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -8.655  | -0.0102 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -3.147  | -0.0037 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -4.363  | -0.0052 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -5.050  | -0.0060 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -2.503  | -0.0030 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -2.618  | -0.0031 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -10.157 | -0.0120 | -2.5 to 2.5 | Pass |

## 2.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 829             | 50            | 0      | 20         | 3.27          | -5.751           | -0.0069               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.706           | -0.0057               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.206           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.565           | -0.0067               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.479           | -0.0066               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.668           | -0.0092               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.678           | -0.0056               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.166           | -0.0074               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.905           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -5.636           | -0.0068               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -6.366           | -0.0077               | -2.5 to 2.5 | Pass    |
|                            | 836.5           | 50            | 0      | 20         | 3.27          | -7.539           | -0.0090               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.276           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -7.854           | -0.0094               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.592           | -0.0055               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.505           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -6.223           | -0.0074               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.808           | -0.0069               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.121           | -0.0061               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -4.277           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -1.874           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -2.847           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            | 844             | 50            | 0      | 20         | 3.27          | -11.029          | -0.0131               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.556           | -0.0113               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -6.437           | -0.0076               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -9.999           | -0.0118               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -7.524           | -0.0089               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.751           | -0.0068               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.507           | -0.0065               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.289           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -8.426           | -0.0100               | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |        |         |             |      |
|-------|-------|----|---|-----|------|--------|---------|-------------|------|
| 16QAM | 829   | 50 | 0 | 40  | 3.85 | -8.826 | -0.0105 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -8.883 | -0.0105 | -2.5 to 2.5 | Pass |
|       |       |    |   | 20  | 3.27 | -6.952 | -0.0084 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -7.353 | -0.0089 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -4.292 | -0.0052 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -5.379 | -0.0065 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -6.280 | -0.0076 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -4.478 | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -4.406 | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -4.163 | -0.0050 | -2.5 to 2.5 | Pass |
|       | 836.5 | 50 | 0 | 30  | 3.85 | -4.234 | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -4.420 | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -7.796 | -0.0094 | -2.5 to 2.5 | Pass |
|       |       |    |   | 20  | 3.27 | -2.890 | -0.0035 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -4.320 | -0.0052 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -2.761 | -0.0033 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -5.279 | -0.0063 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -5.593 | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -6.266 | -0.0075 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -5.865 | -0.0070 | -2.5 to 2.5 | Pass |
|       | 844   | 50 | 0 | 10  | 3.85 | -4.206 | -0.0050 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -3.133 | -0.0037 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -4.706 | -0.0056 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.665 | -0.0068 | -2.5 to 2.5 | Pass |
|       |       |    |   | 20  | 3.27 | -5.622 | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -9.155 | -0.0108 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -2.203 | -0.0026 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -5.665 | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -6.995 | -0.0083 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -5.178 | -0.0061 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -6.380 | -0.0076 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -4.606 | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -5.021 | -0.0059 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -5.693 | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.493 | -0.0065 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

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

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

##### 3.1.2 B5\_3MHz

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

### 3.1.3 B5\_5MHz

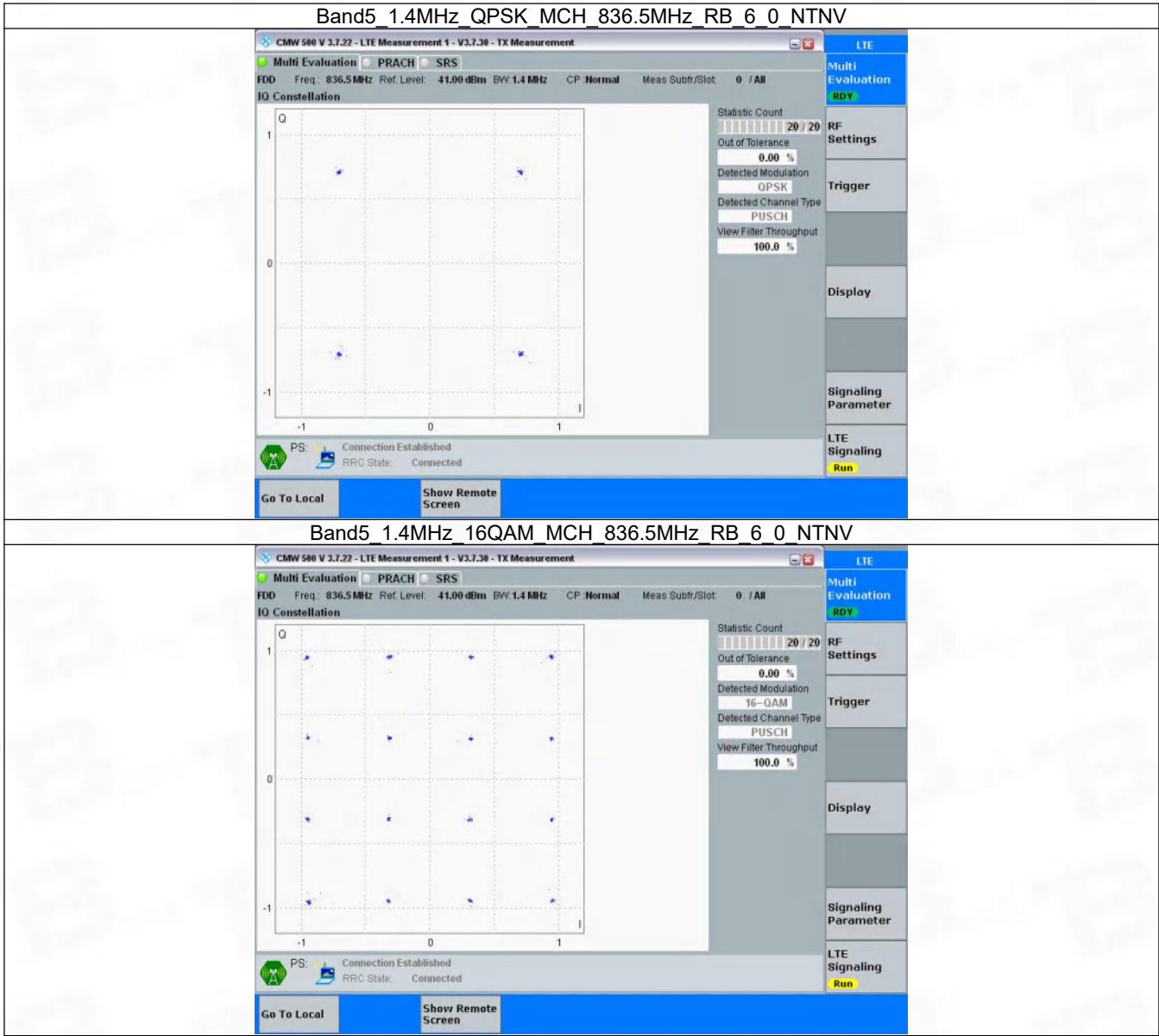
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency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

### 3.1.4 B5\_10MHz

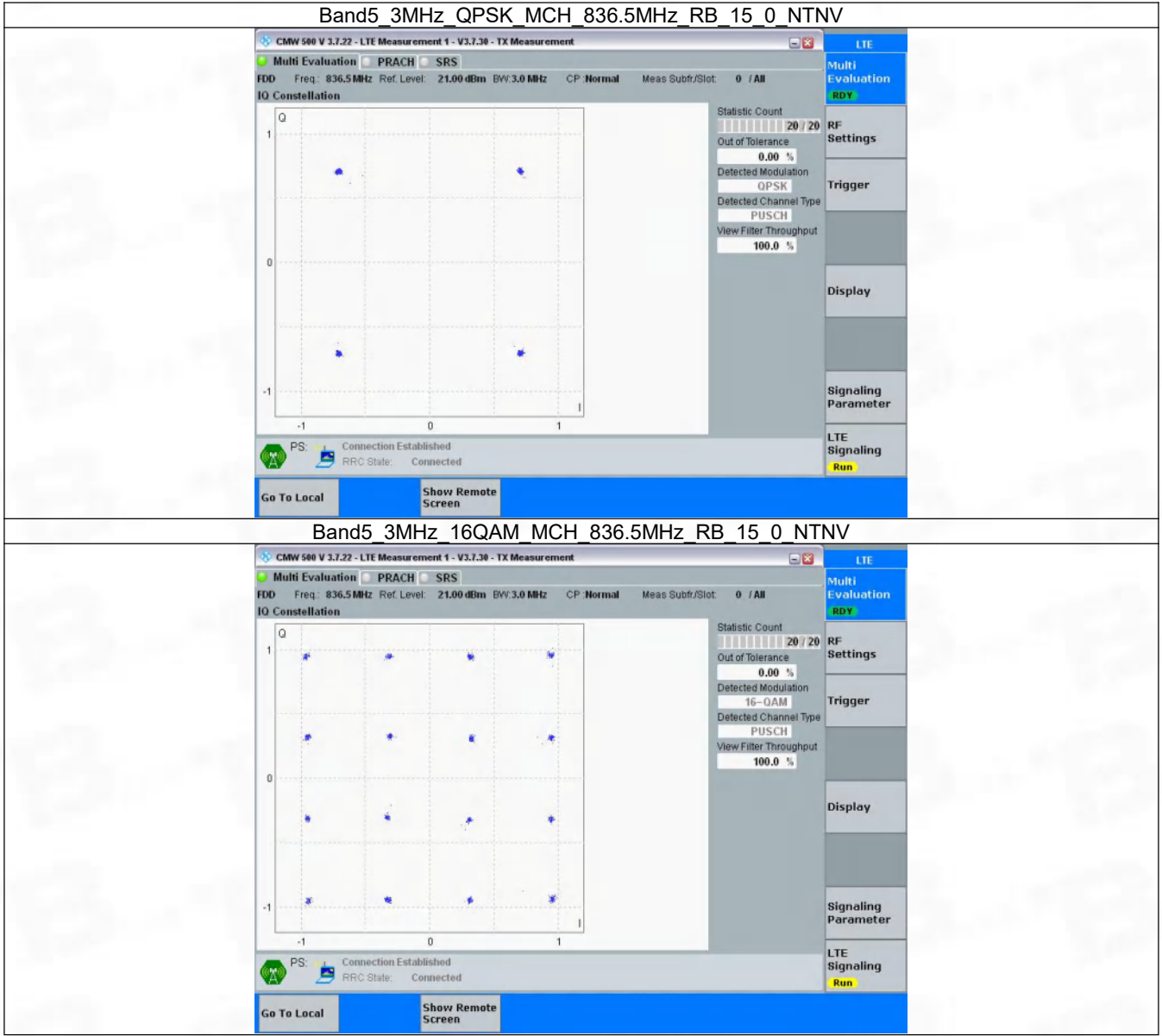
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

3.2 Test Graph

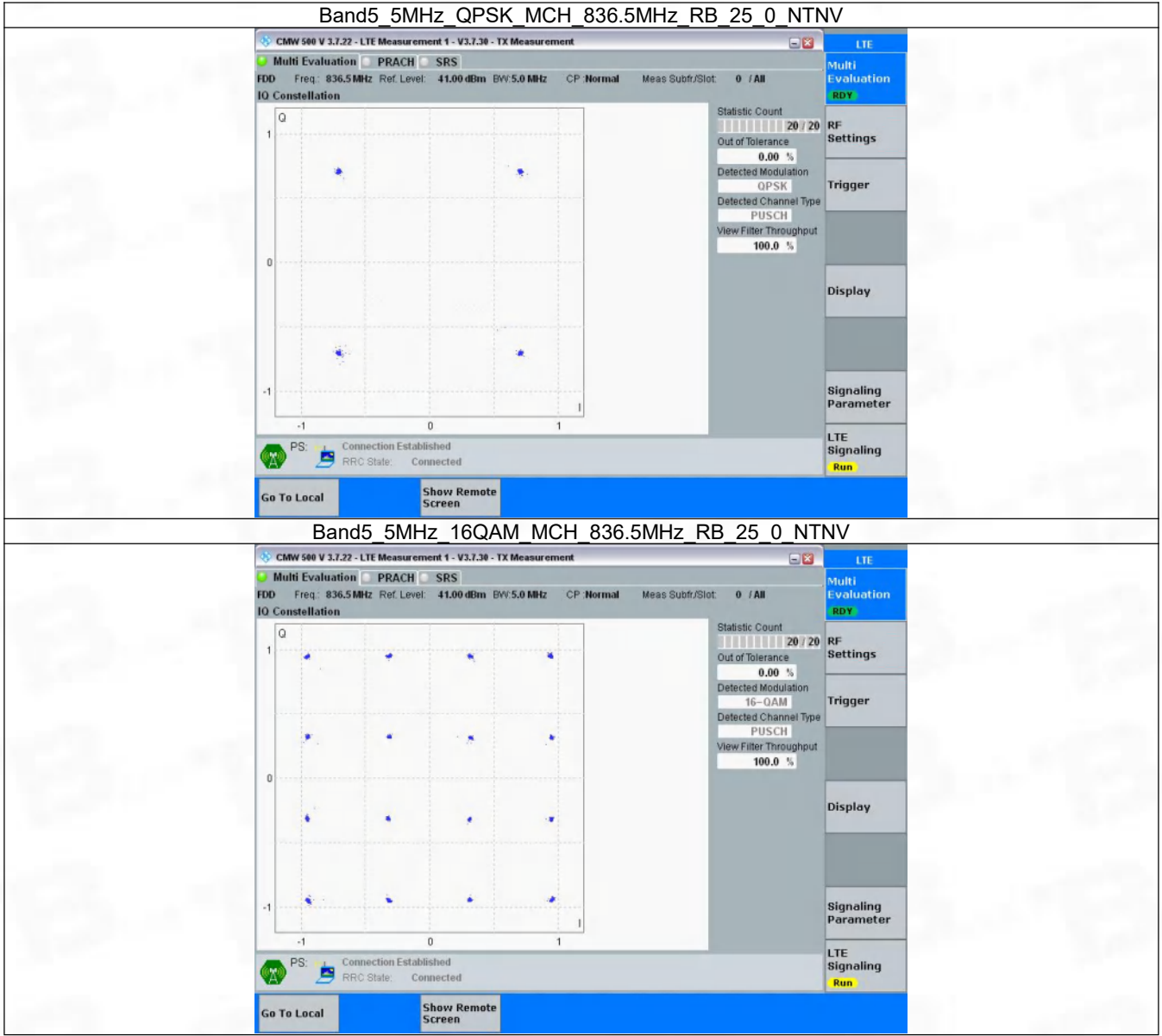
3.2.1 B5\_1.4MHz



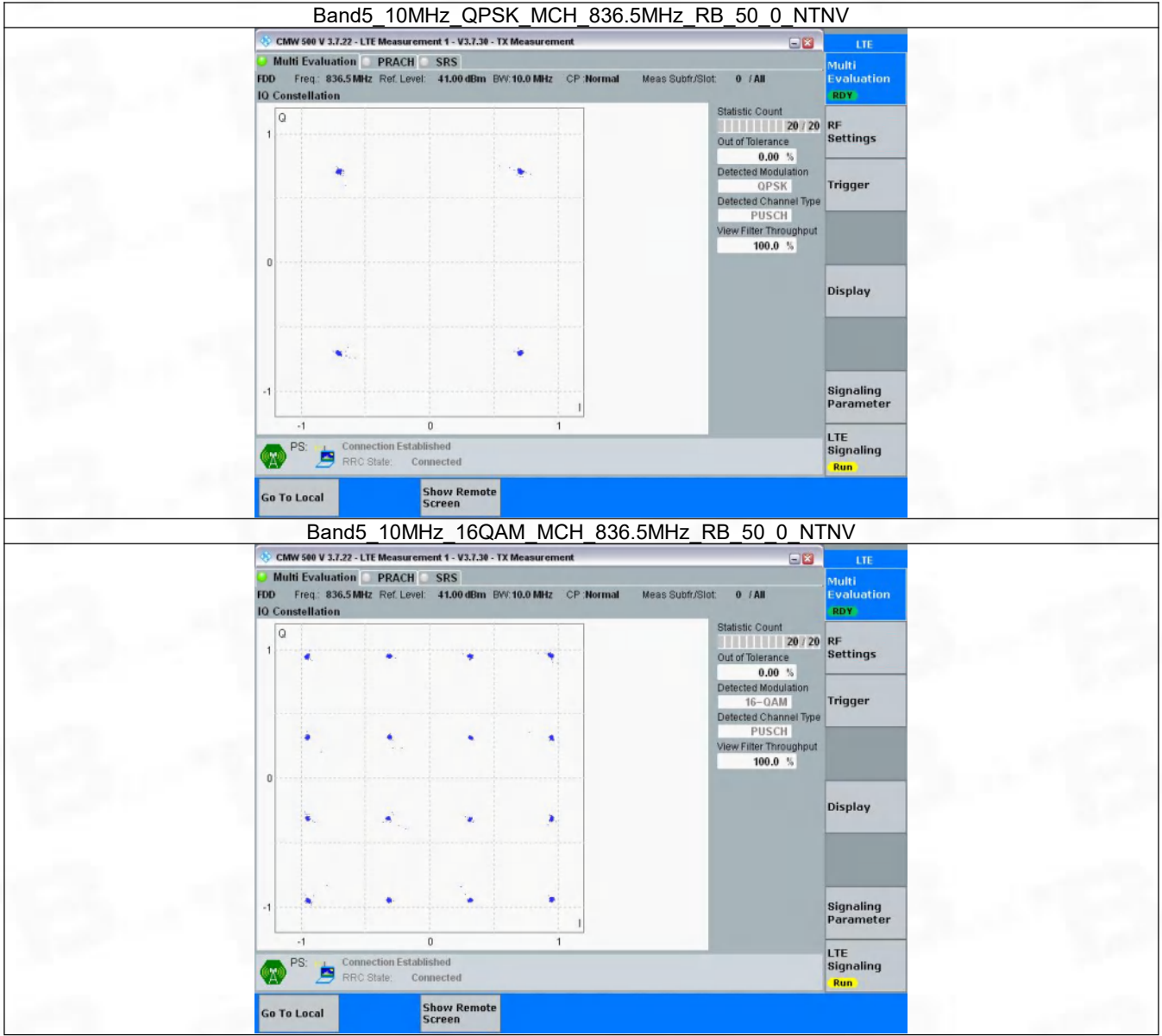
3.2.2 B5\_3MHz



3.2.3 B5\_5MHz



3.2.4 B5\_10MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band5\_OBW

| Band: 5 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.109                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.118                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.114                        | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.113                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.106                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.107                        | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.733                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.727                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.718                        | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.719                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.721                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.715                        | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 4.532                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.537                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.551                        | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 4.537                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.557                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.533                        | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.083                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.067                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.062                        | /     | Pass    |
|                 | 16QAM      | 829             | 50            | 0      | 9.053                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.058                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.049                        | /     | Pass    |

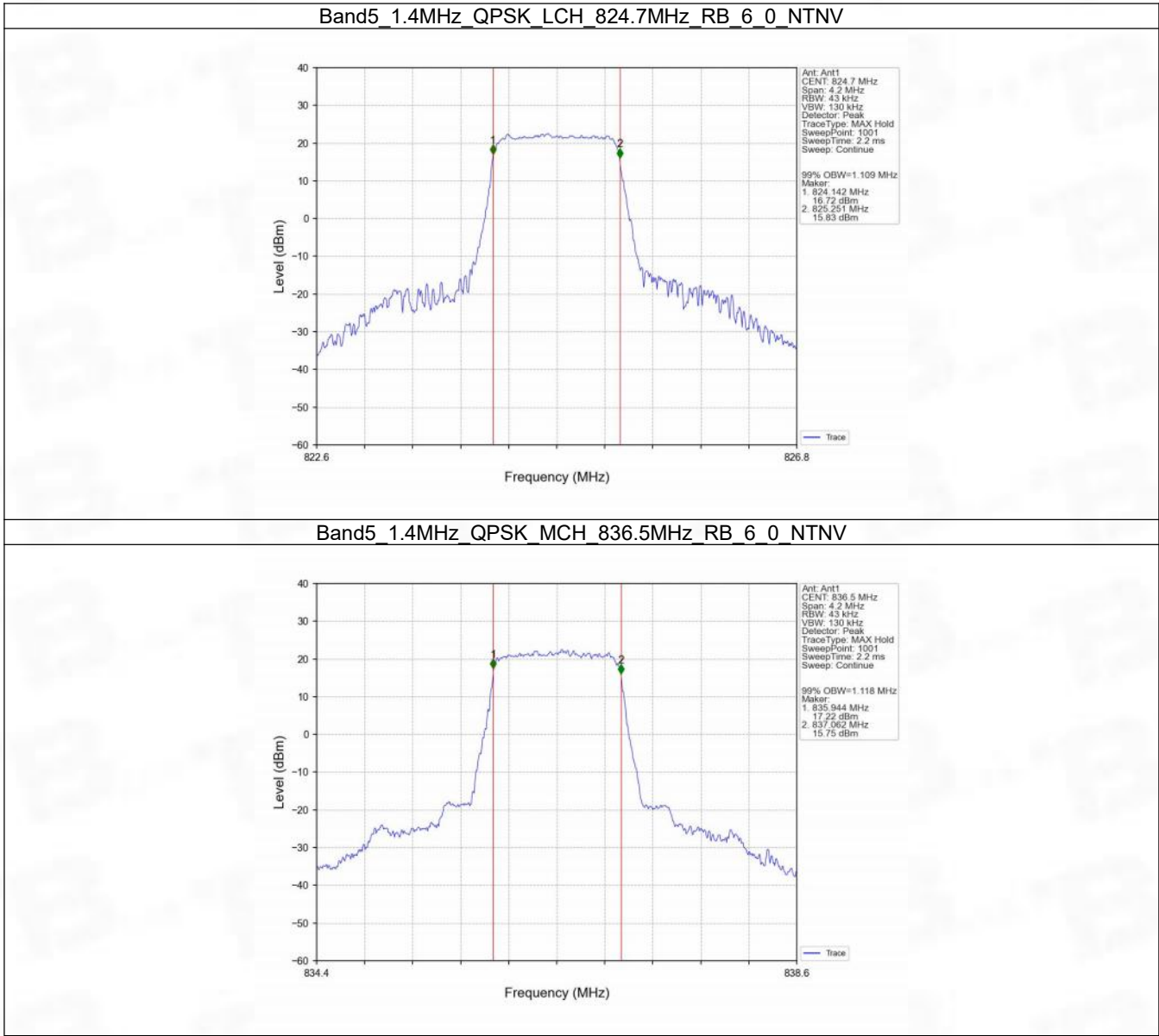
#### 4.1.2 Band5\_XDB

| Band: 5 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.315                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.312                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.314                | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.303                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.322                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.302                | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.996                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.986                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.985                | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.984                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.993                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.982                | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 5.008                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.059                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 5.012                | /     | Pass    |

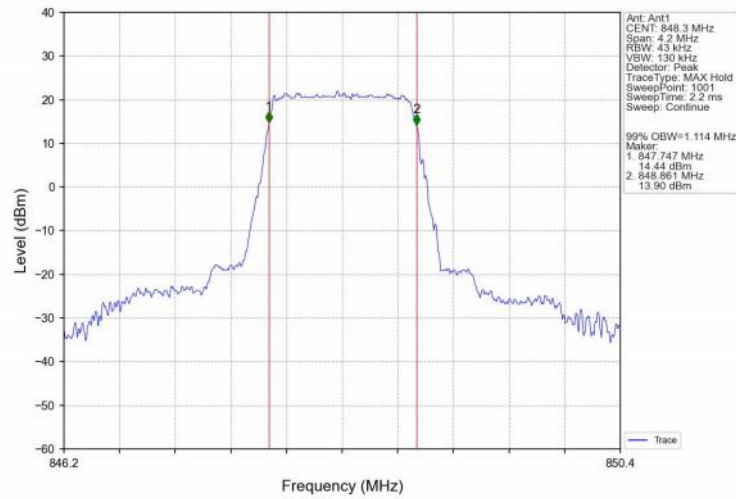
|    |       |       |    |   |       |   |      |
|----|-------|-------|----|---|-------|---|------|
|    | 16QAM | 826.5 | 25 | 0 | 5.031 | / | Pass |
|    |       | 836.5 | 25 | 0 | 4.997 | / | Pass |
|    |       | 846.5 | 25 | 0 | 5.006 | / | Pass |
| 10 | QPSK  | 829   | 50 | 0 | 9.959 | / | Pass |
|    |       | 836.5 | 50 | 0 | 9.903 | / | Pass |
|    |       | 844   | 50 | 0 | 9.858 | / | Pass |
|    | 16QAM | 829   | 50 | 0 | 9.898 | / | Pass |
|    |       | 836.5 | 50 | 0 | 9.940 | / | Pass |
|    |       | 844   | 50 | 0 | 9.835 | / | Pass |

4.2 Test Graph

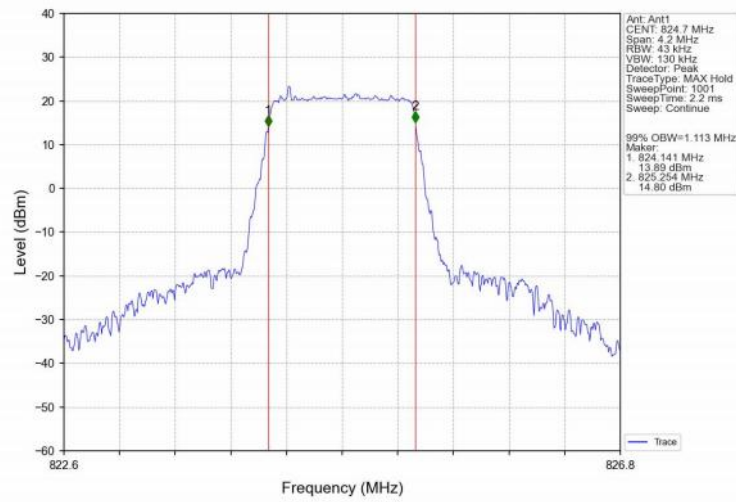
4.2.1 Band5\_OBW



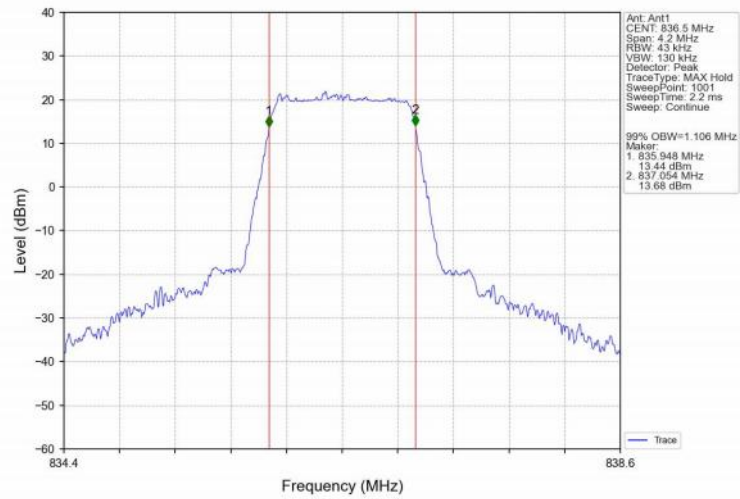
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



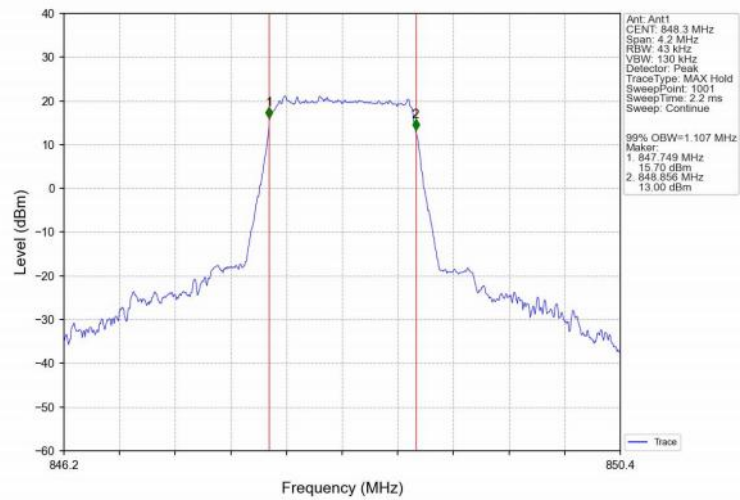
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



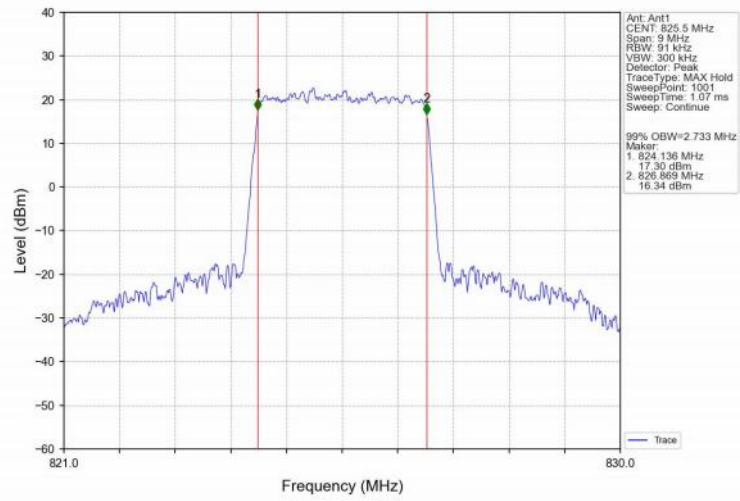
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



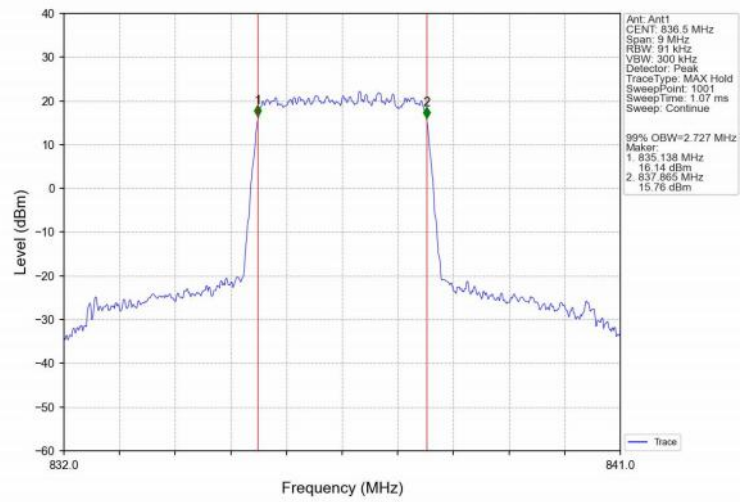
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



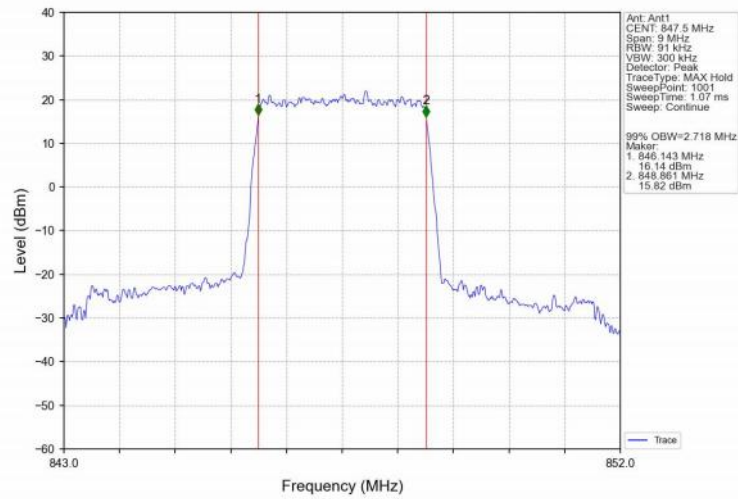
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



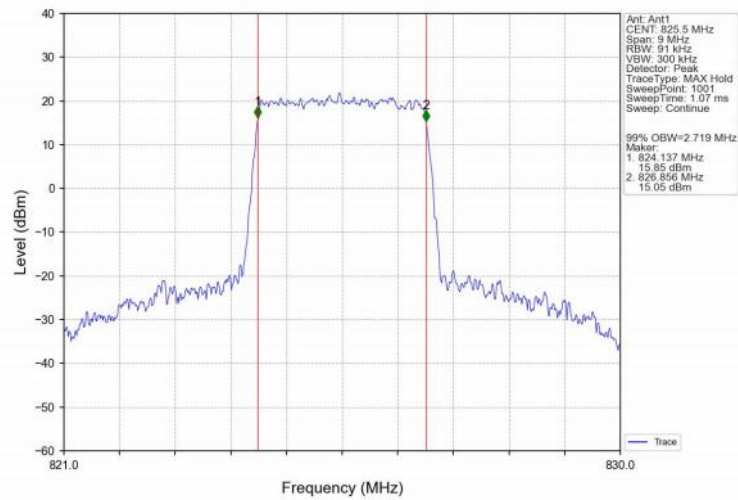
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



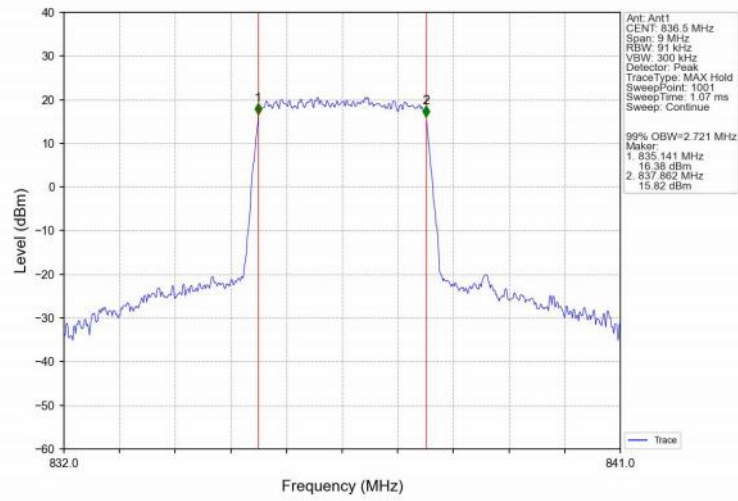
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



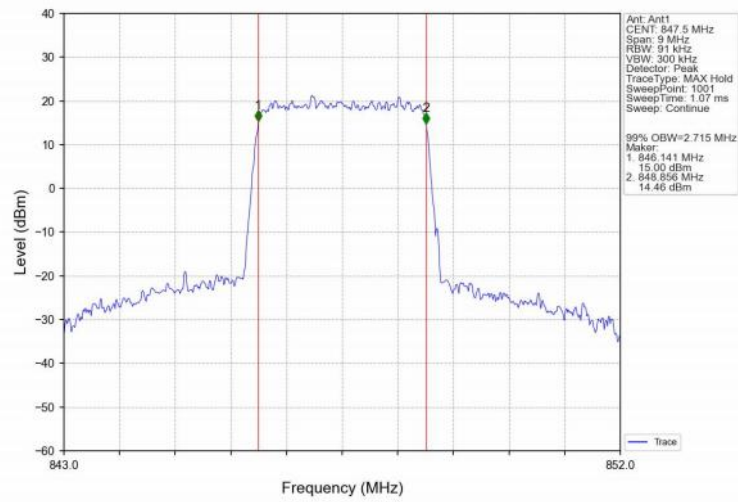
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



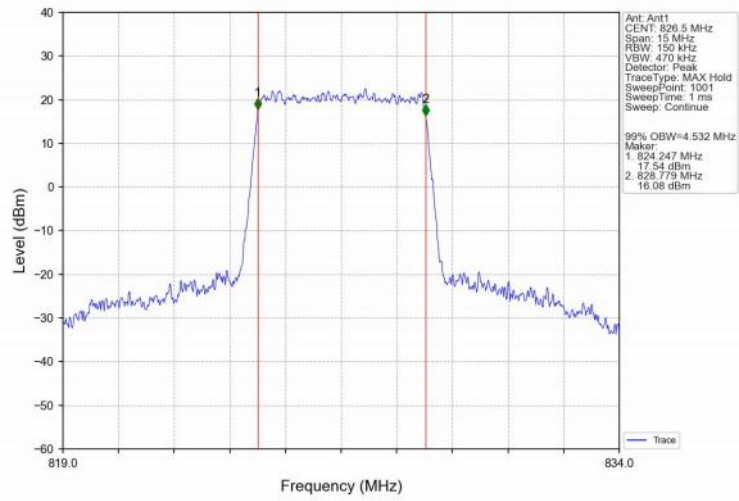
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



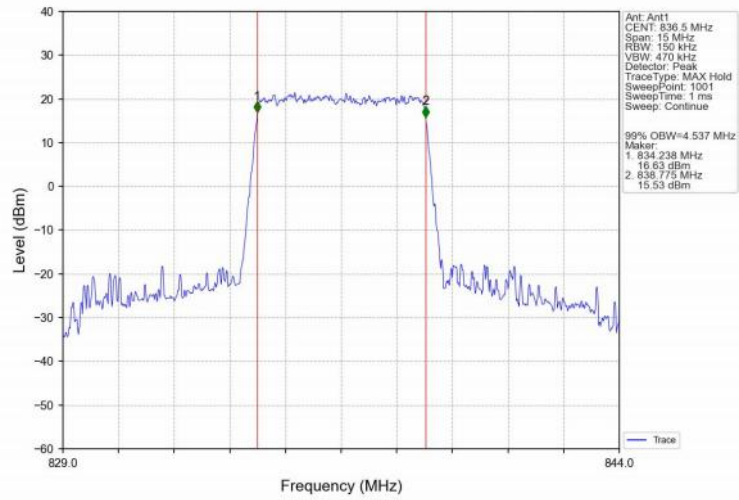
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



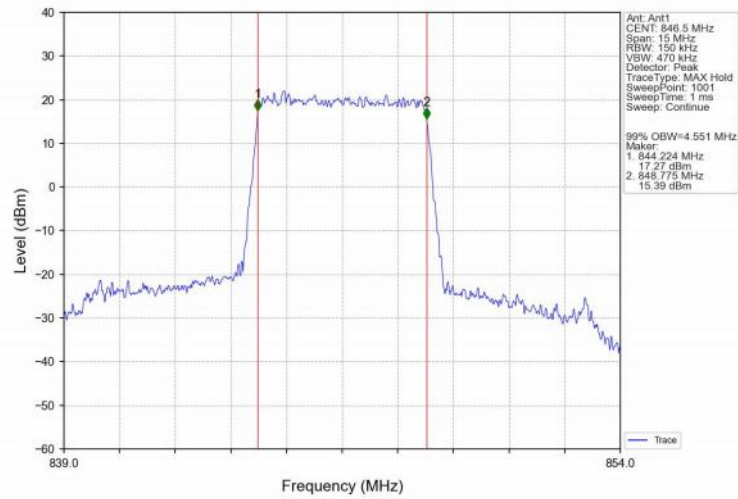
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



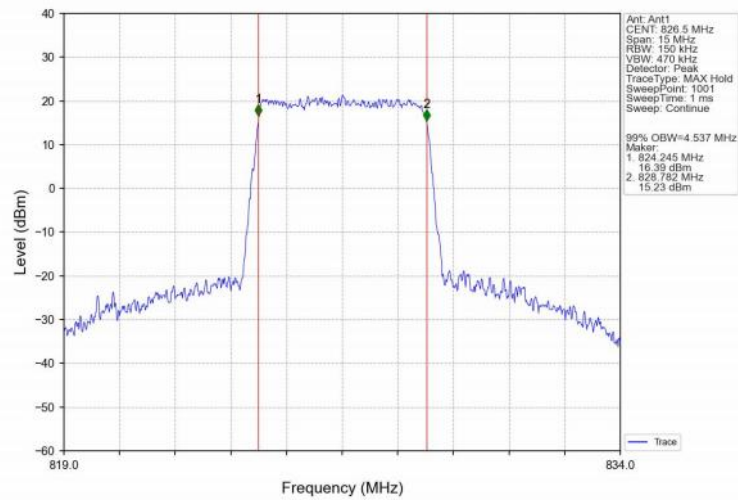
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



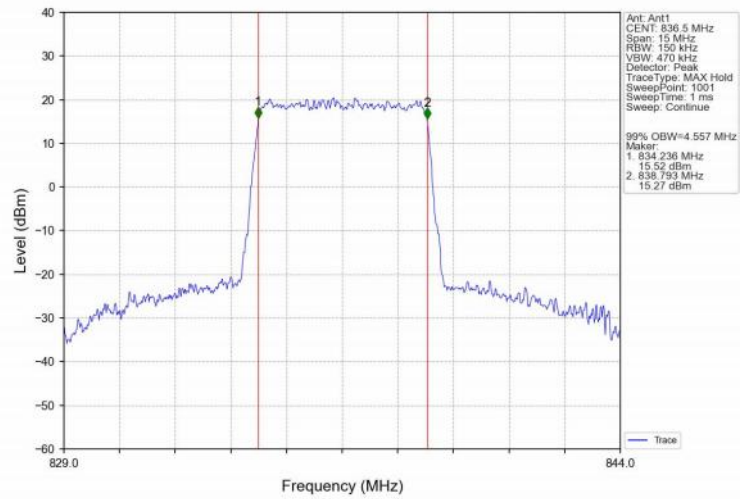
# Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



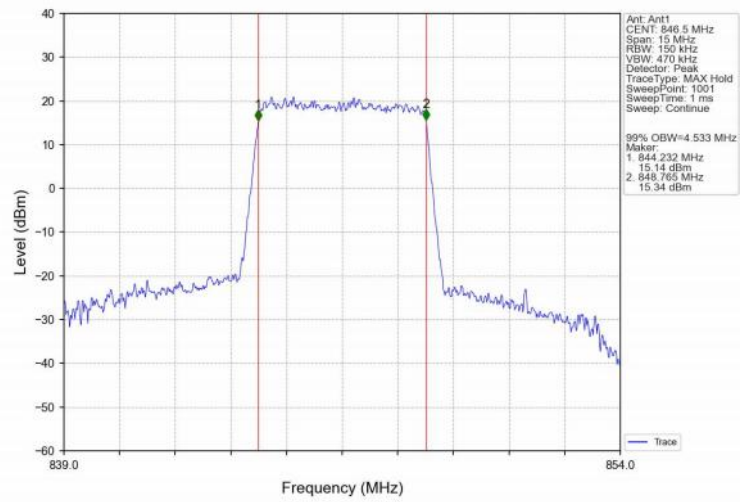
# Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



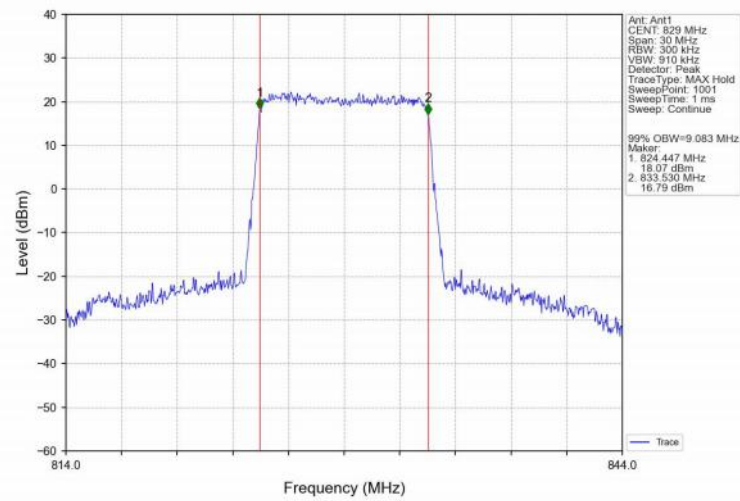
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



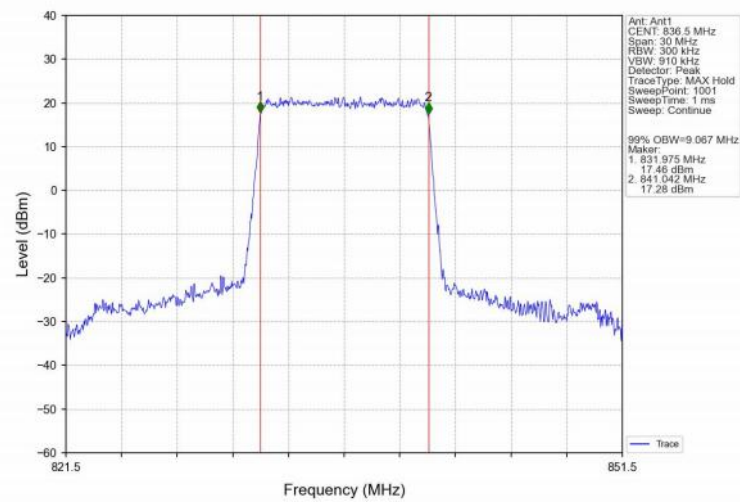
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



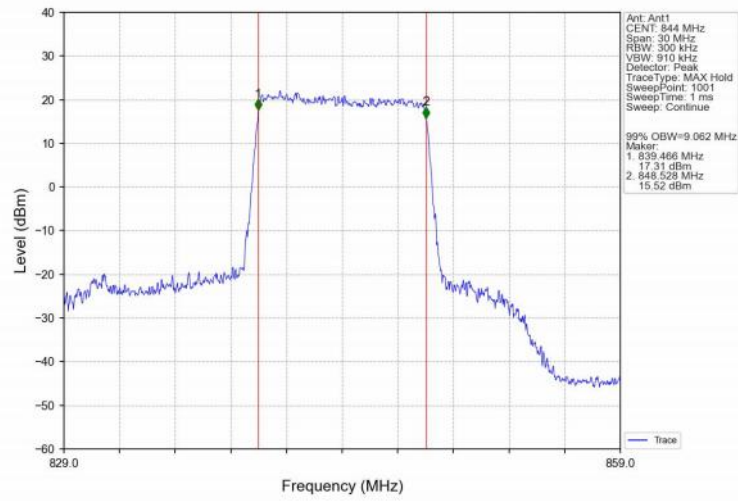
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



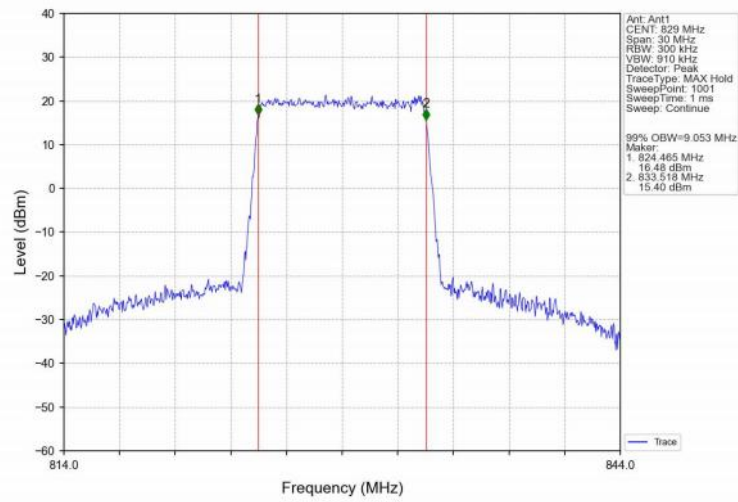
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



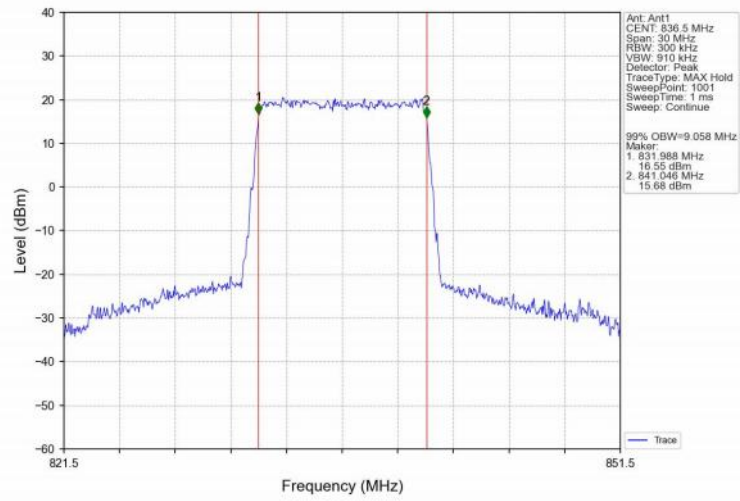
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



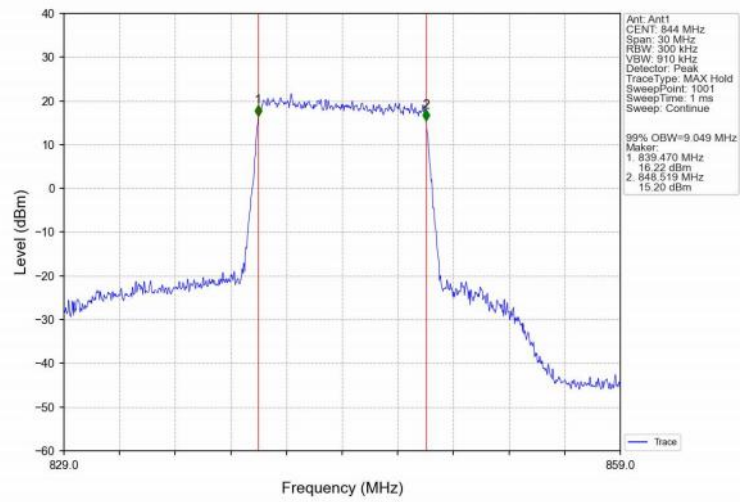
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



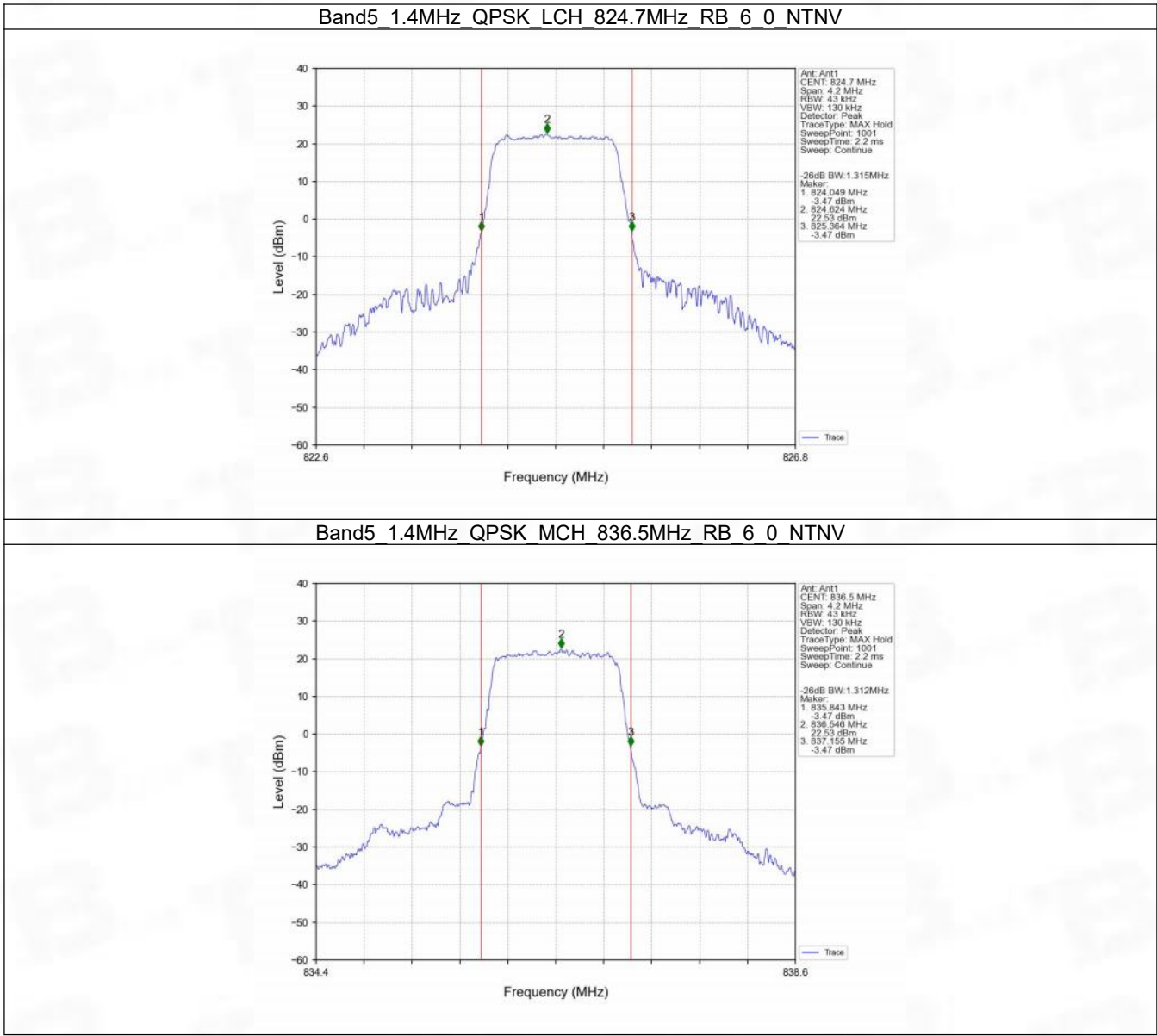
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



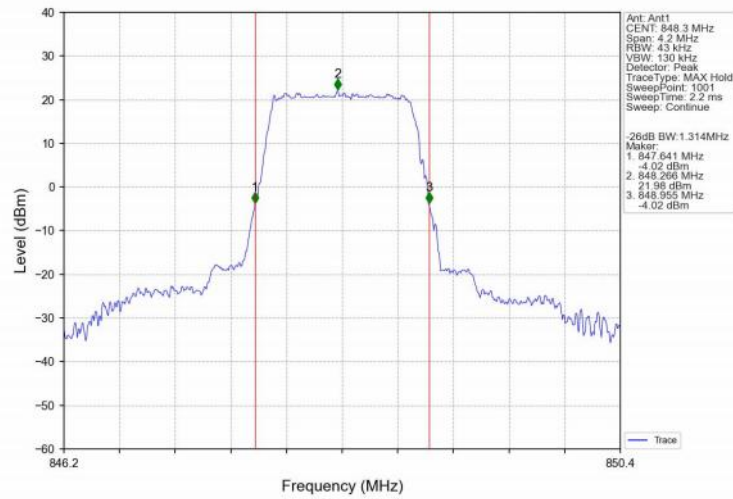
Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



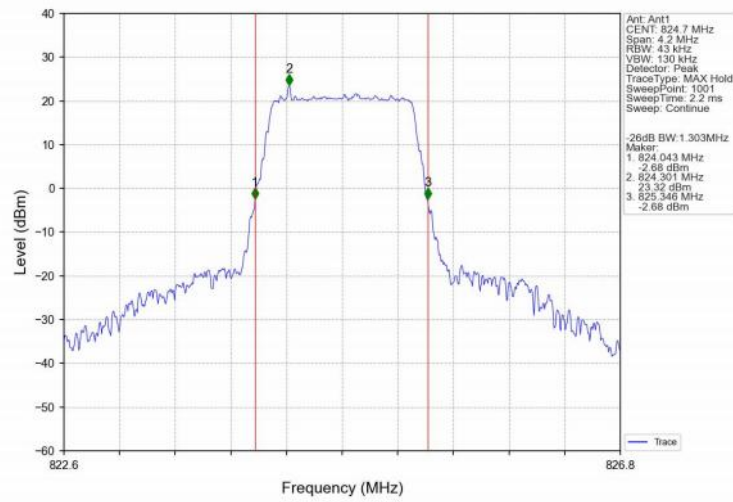
4.2.2 Band5\_XDB



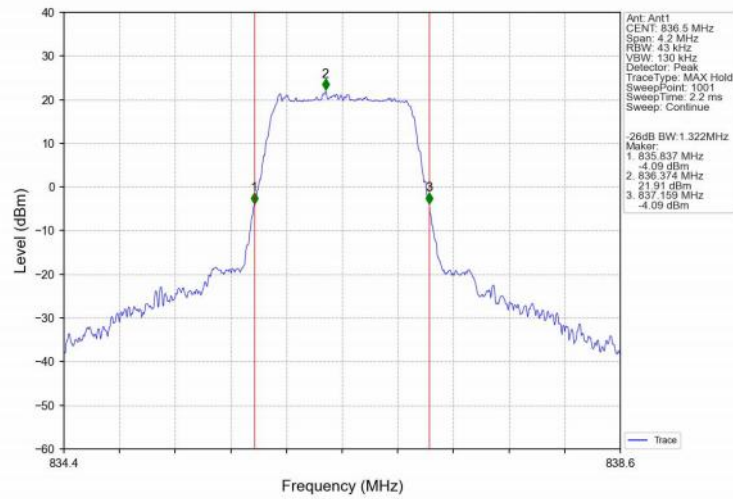
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



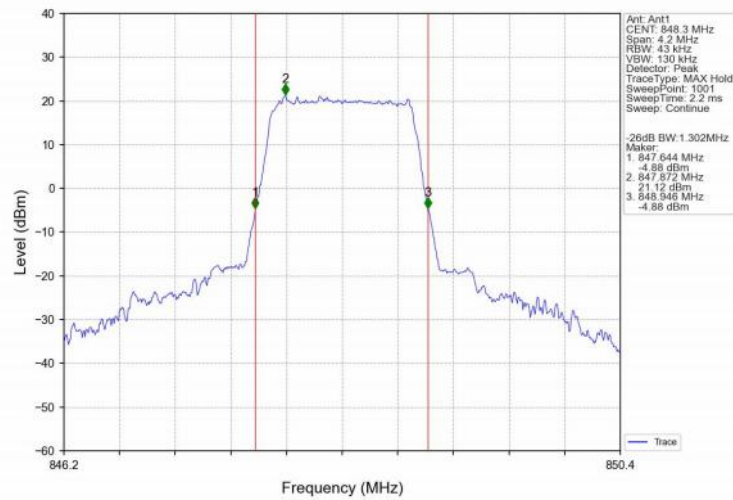
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



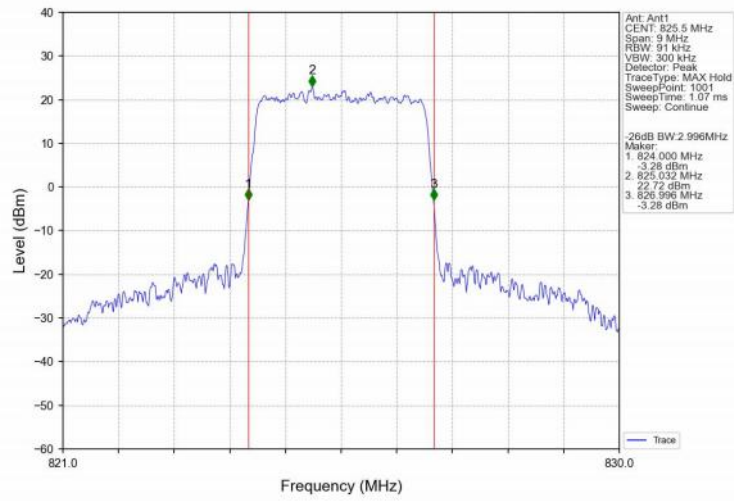
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



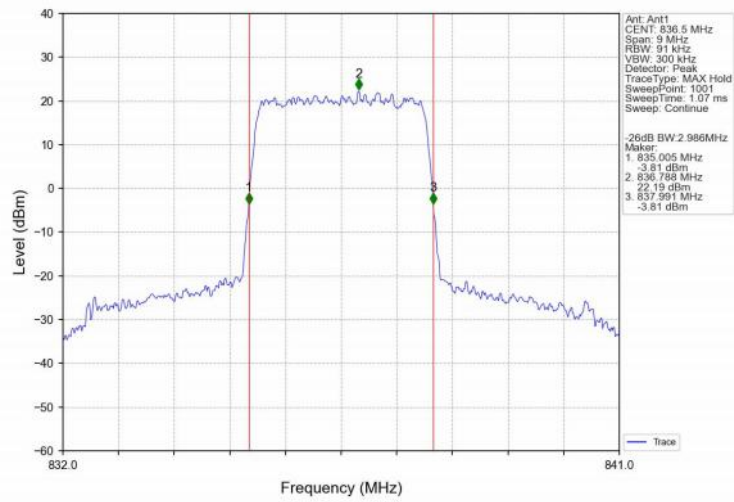
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



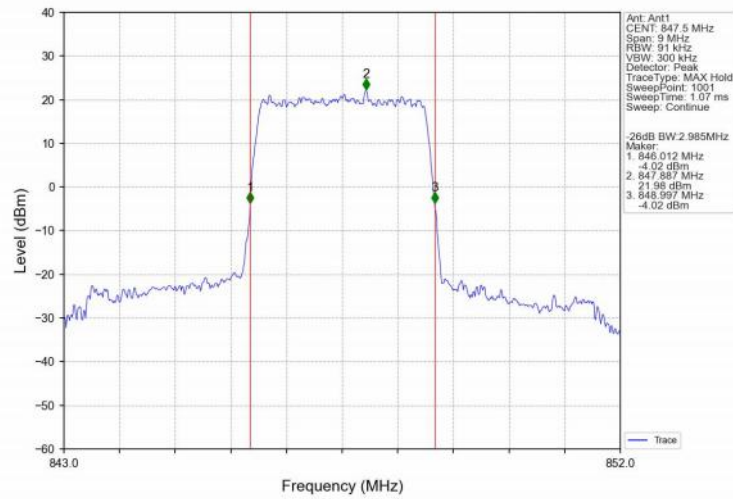
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



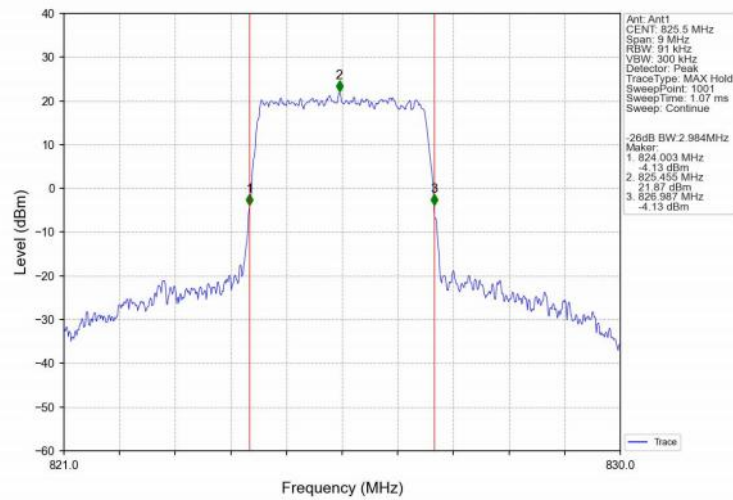
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



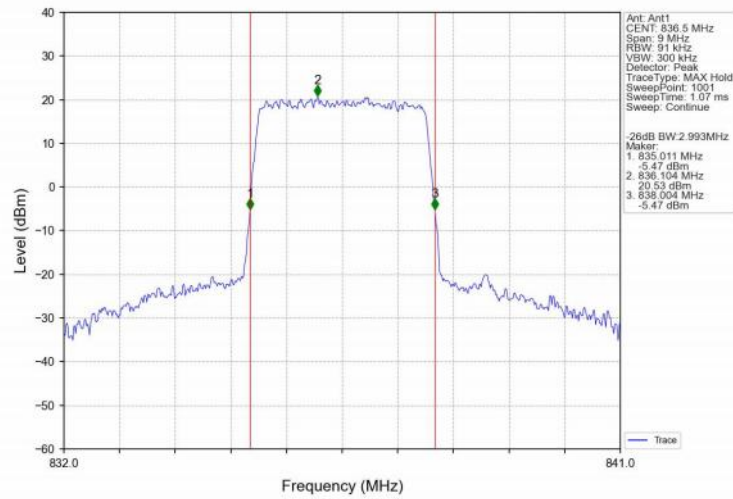
# Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



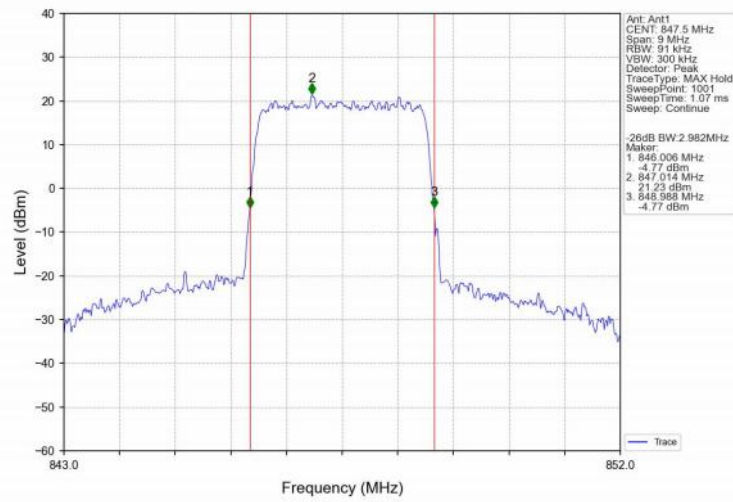
# Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



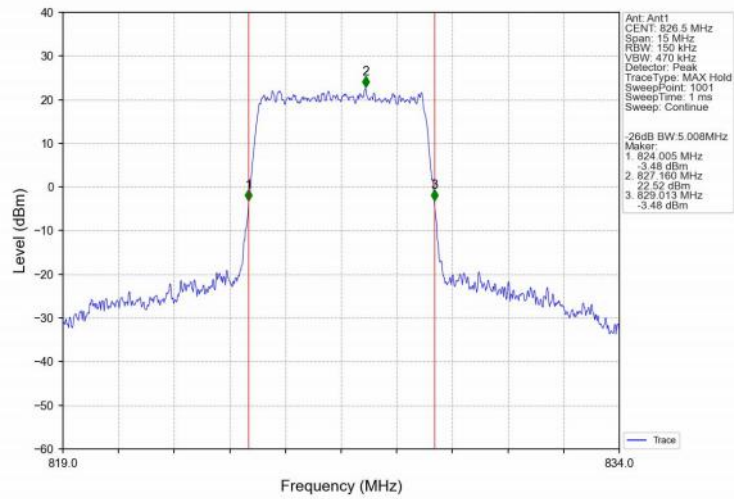
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



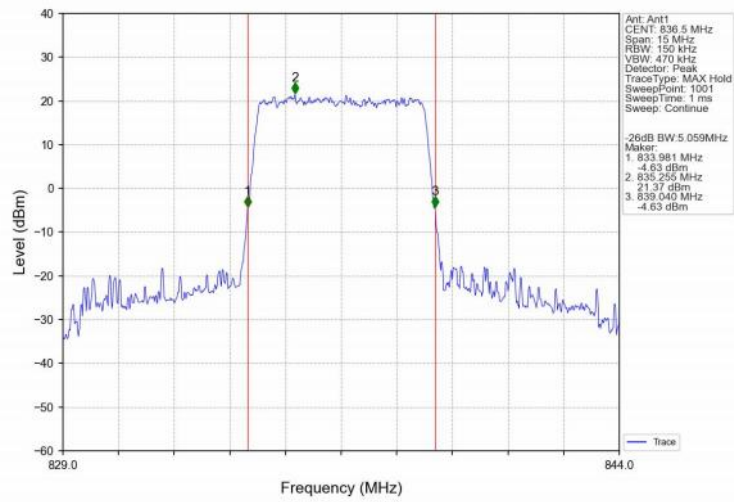
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



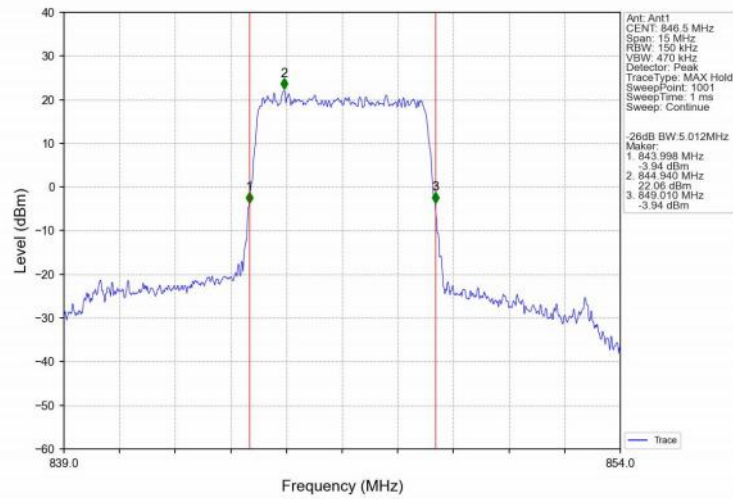
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



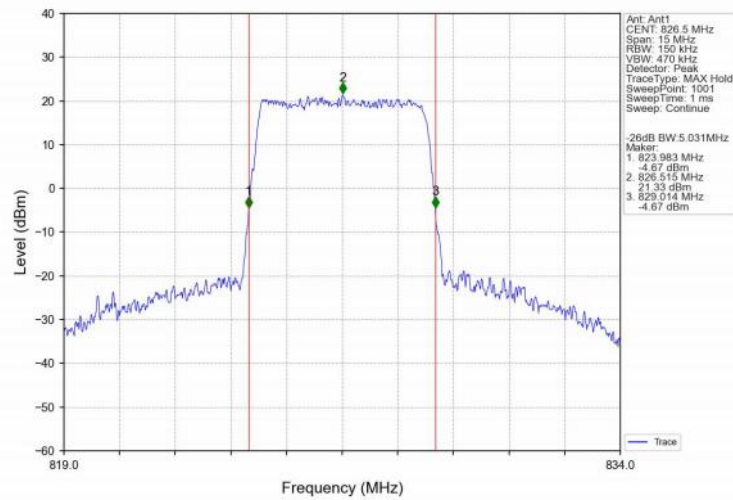
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



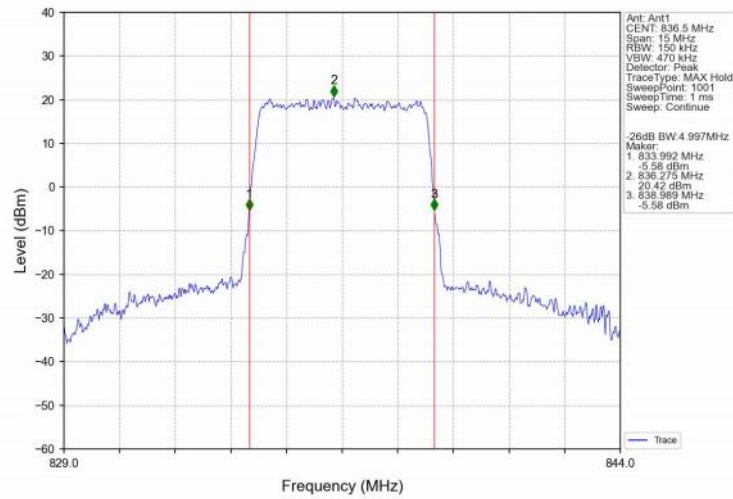
# Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



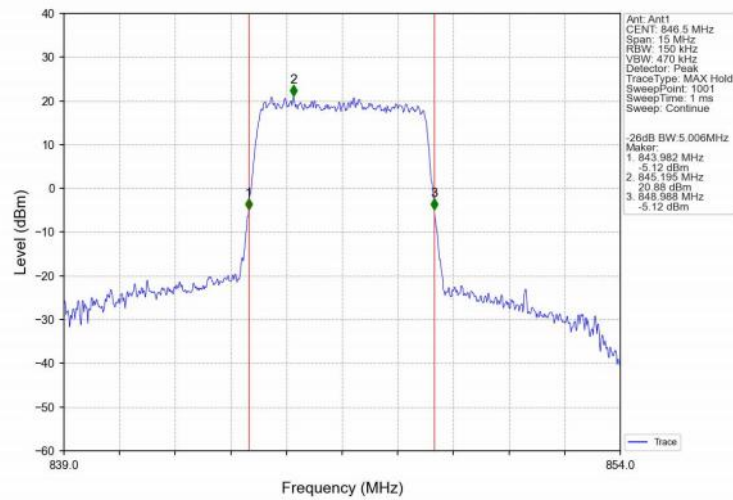
# Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



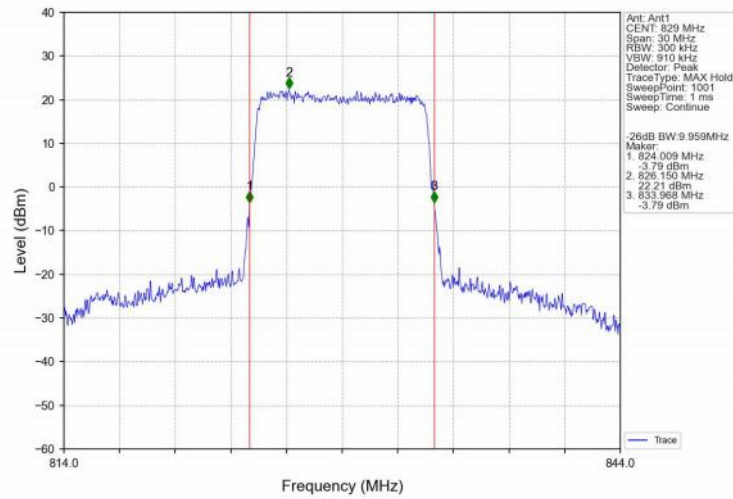
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



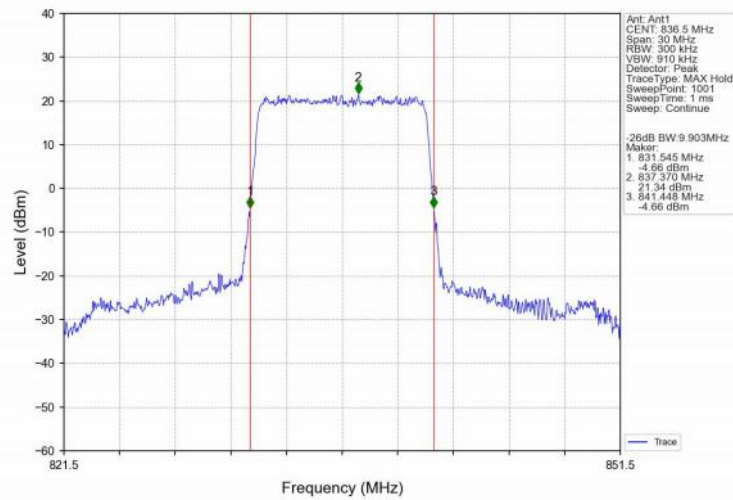
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



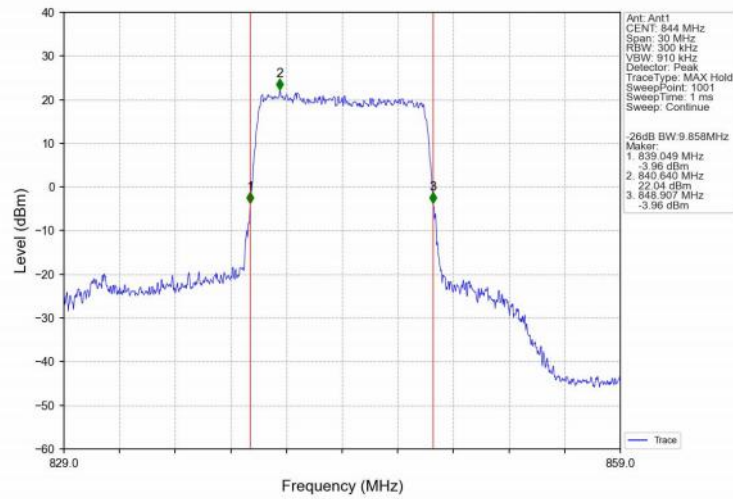
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



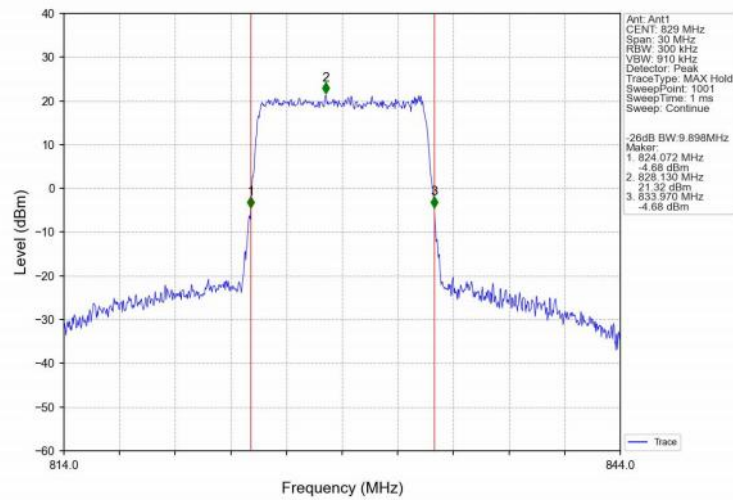
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



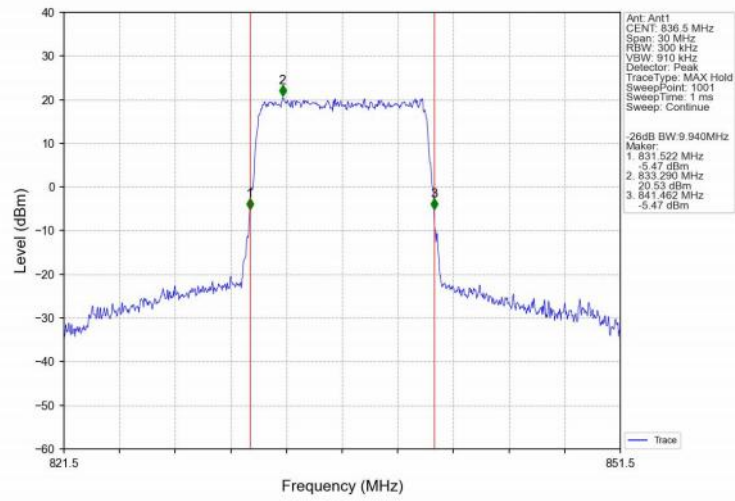
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



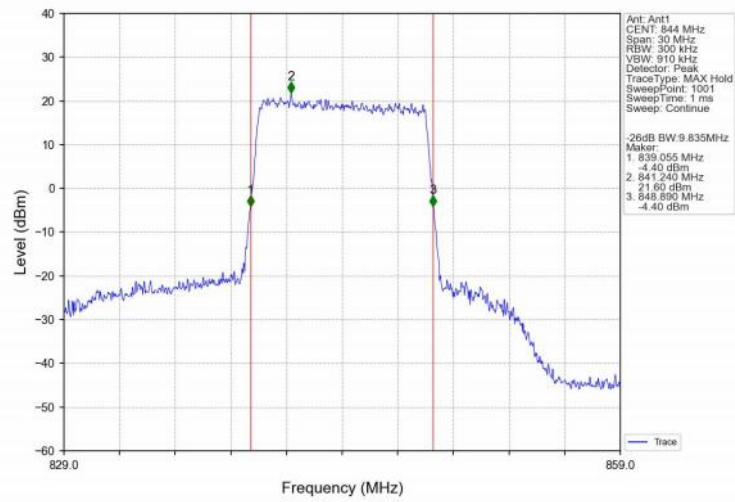
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



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



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



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 824.7           | 6             | 0      | 5.26                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 5.60                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 5.71                    | <=13  | Pass    |
| 16QAM                              | 824.7           | 6             | 0      | 6.10                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 6.30                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 6.44                    | <=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      | 5.38                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 5.56                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 5.69                    | <=13  | Pass    |
| 16QAM                            | 825.5           | 15            | 0      | 6.18                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 6.39                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 6.49                    | <=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      | 5.56                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 5.78                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 5.73                    | <=13  | Pass    |
| 16QAM                            | 826.5           | 25            | 0      | 6.27                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 6.44                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 6.38                    | <=13  | Pass    |

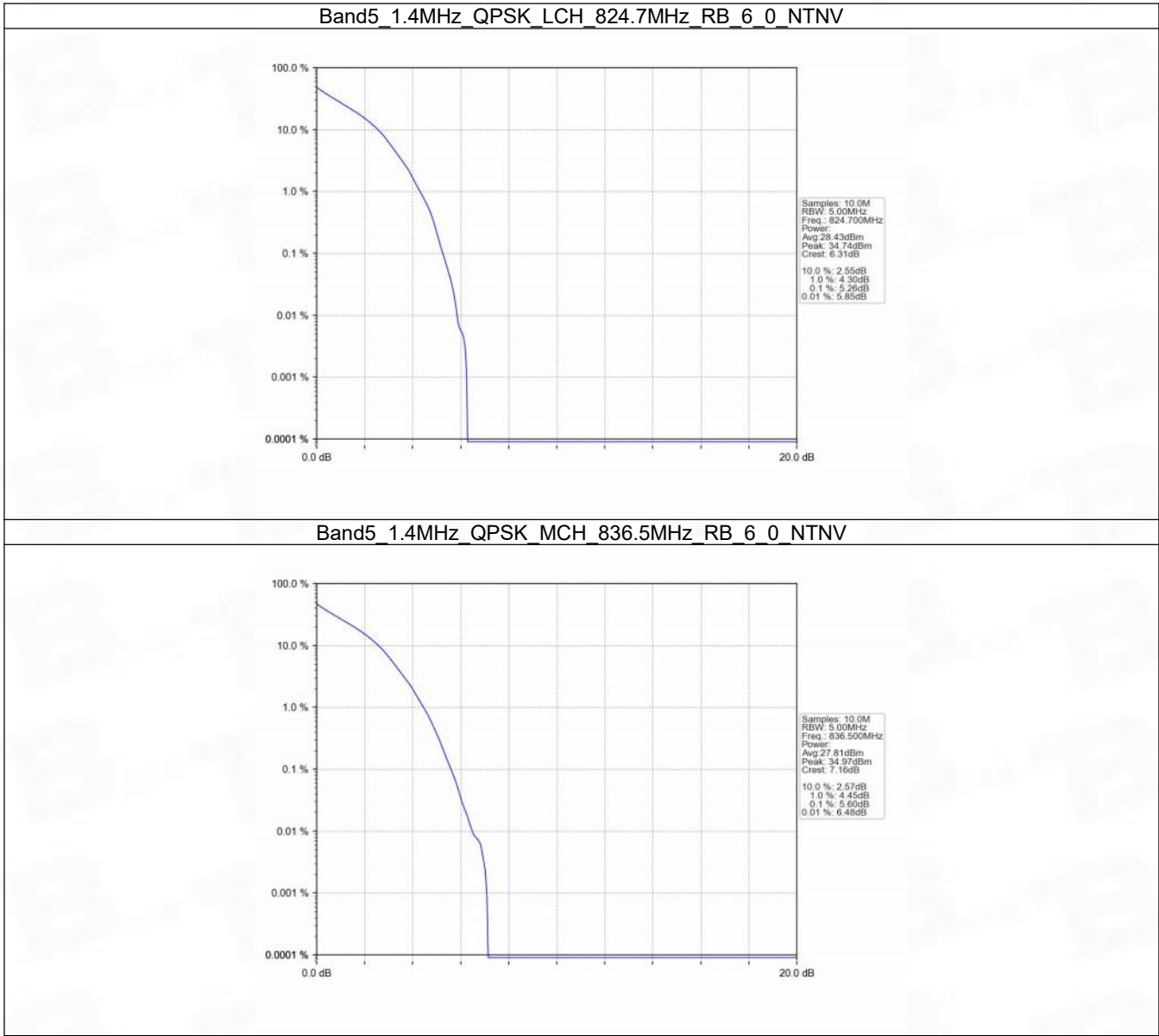
#### 5.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 829             | 50            | 0      | 5.62                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 5.70                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.67                    | <=13  | Pass    |
| 16QAM                             | 829             | 50            | 0      | 6.36                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 6.45                    | <=13  | Pass    |

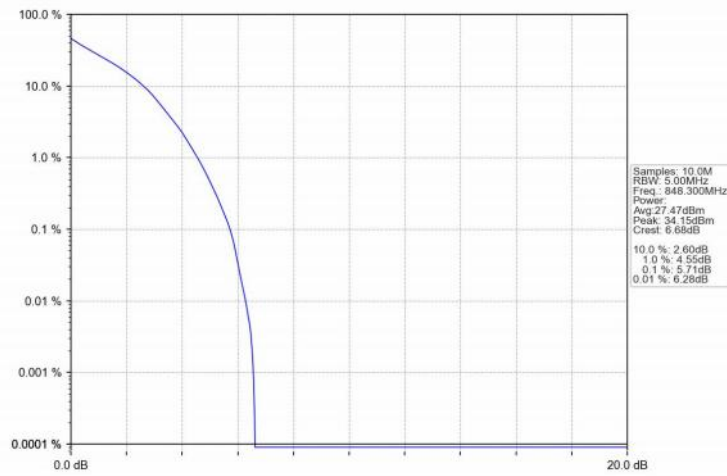
|  |     |    |   |      |      |      |
|--|-----|----|---|------|------|------|
|  | 844 | 50 | 0 | 6.36 | <=13 | Pass |
|--|-----|----|---|------|------|------|

5.2 Test Graph

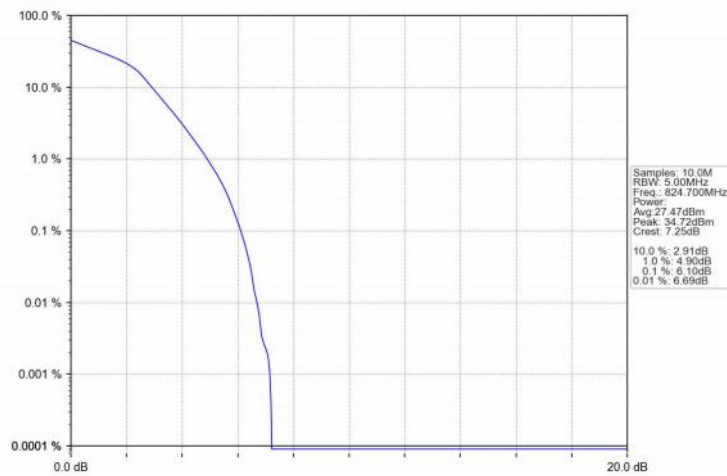
5.2.1 B5\_1.4MHz



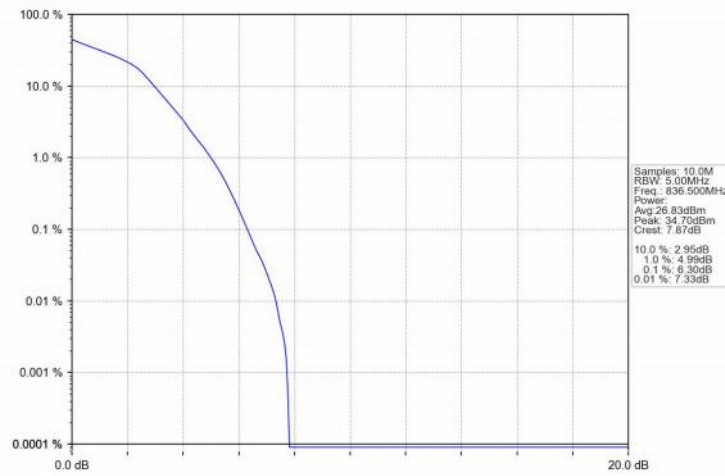
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



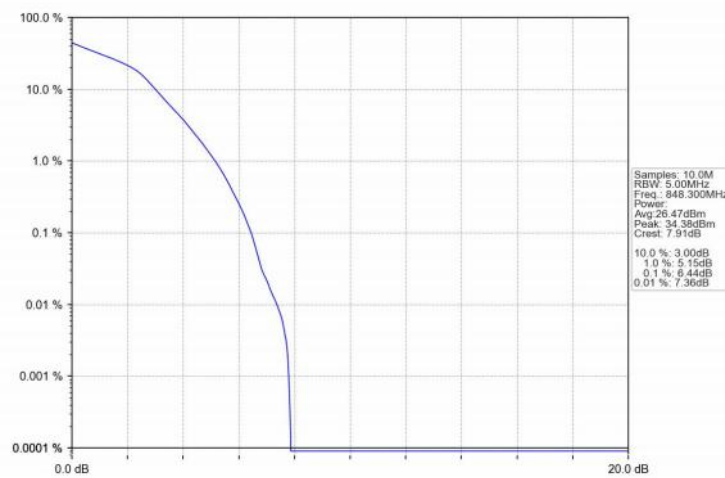
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



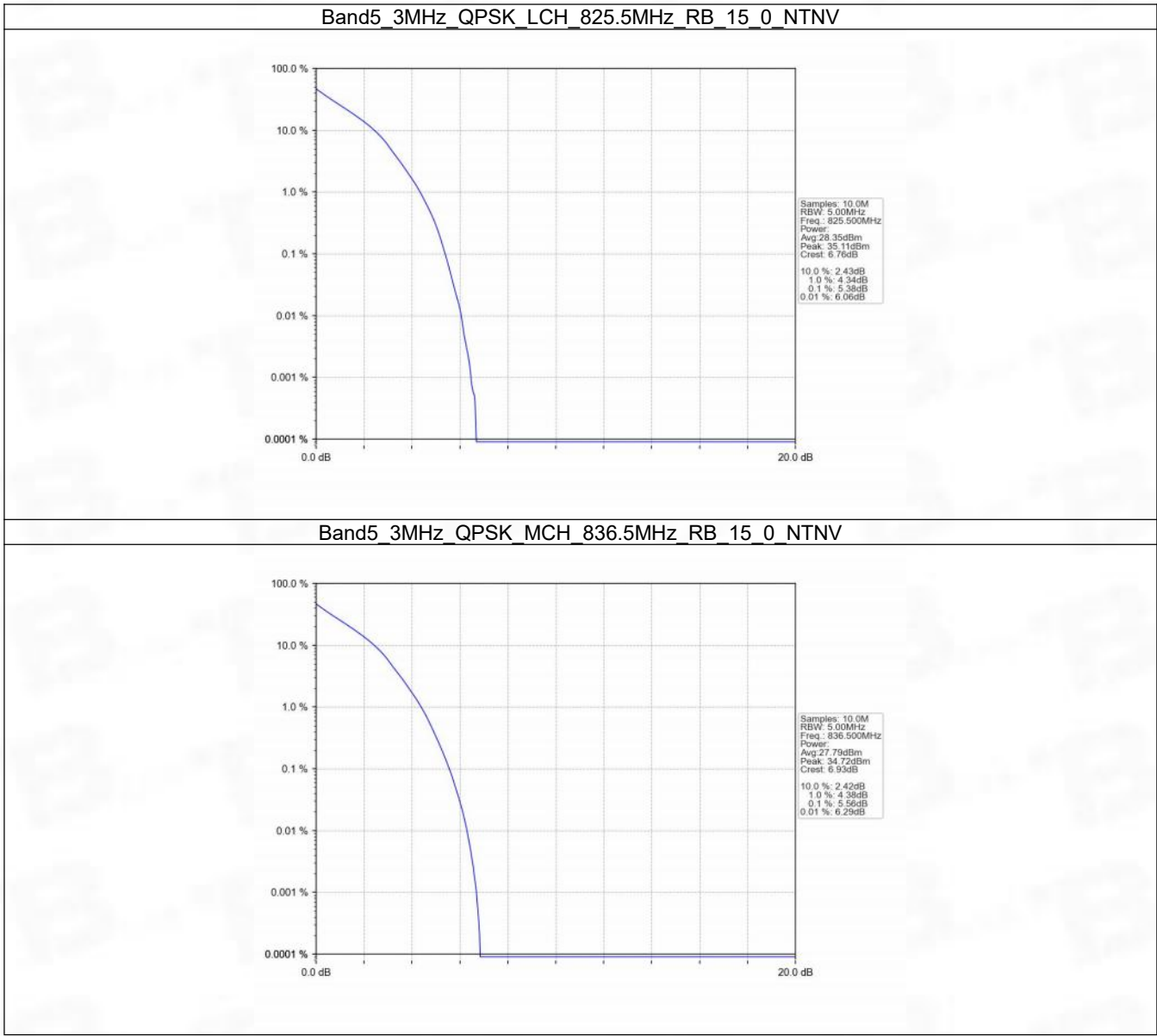
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



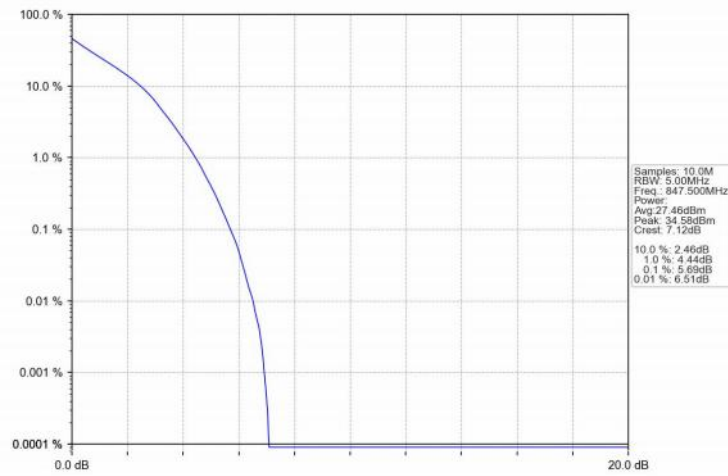
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



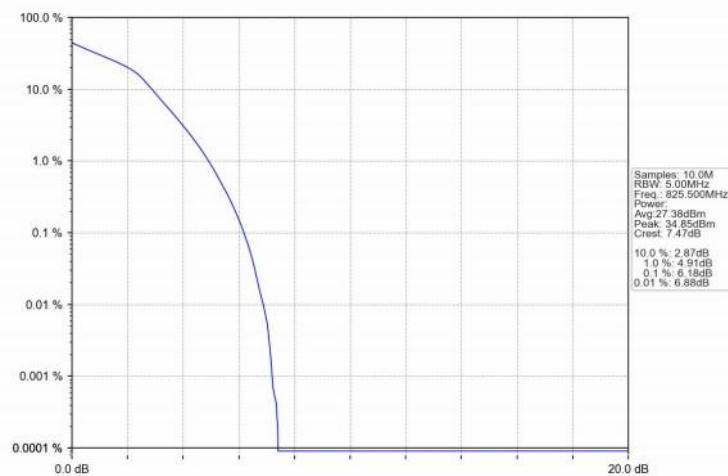
5.2.2 B5\_3MHz



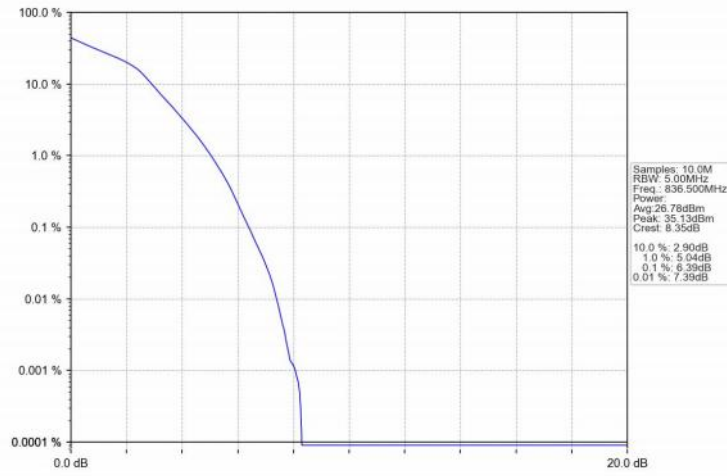
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



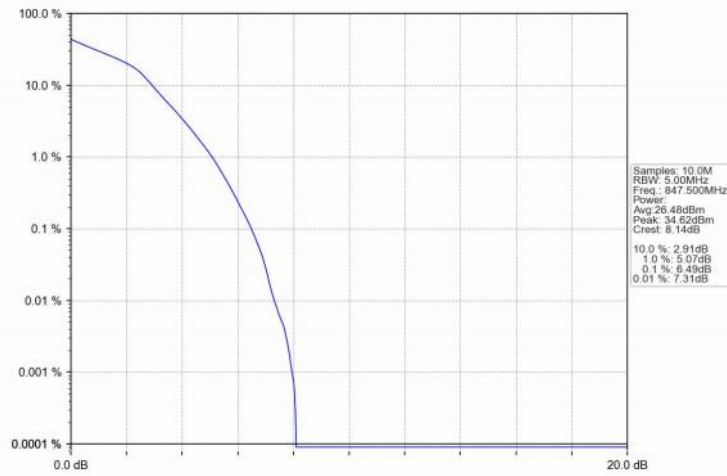
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



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

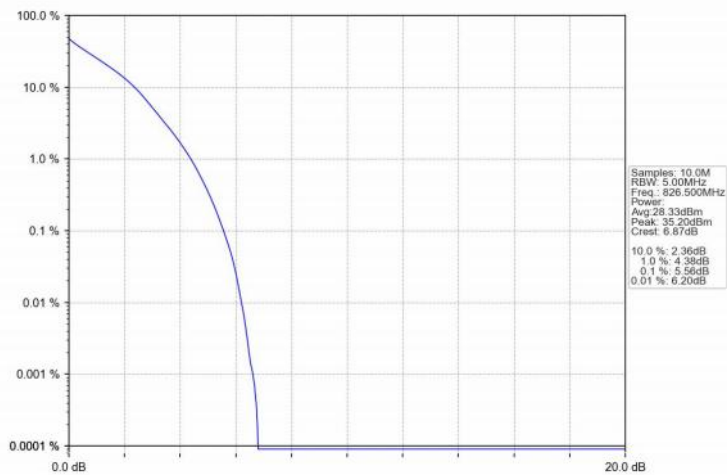


Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV

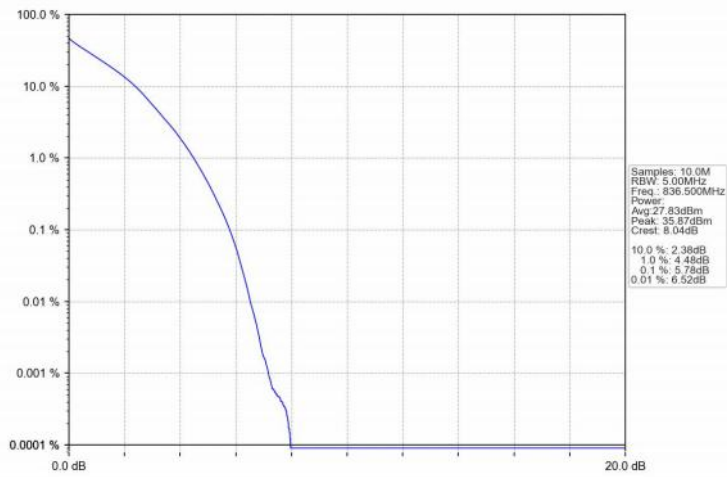


5.2.3 B5\_5MHz

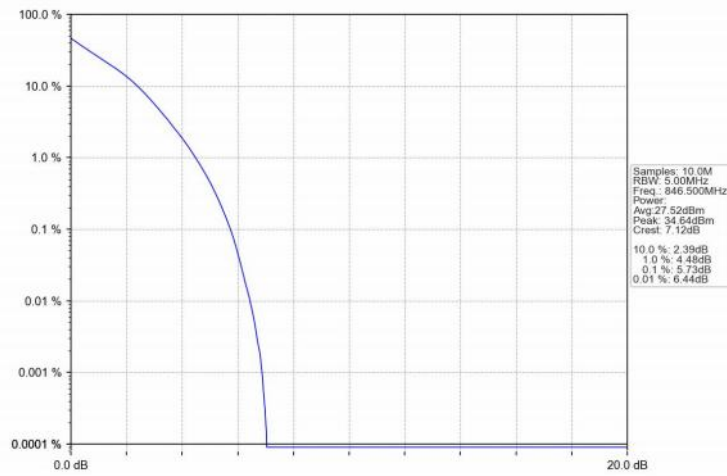
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



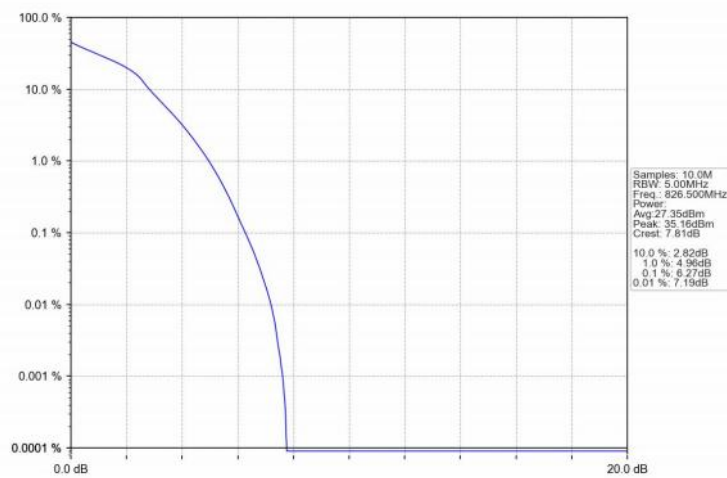
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



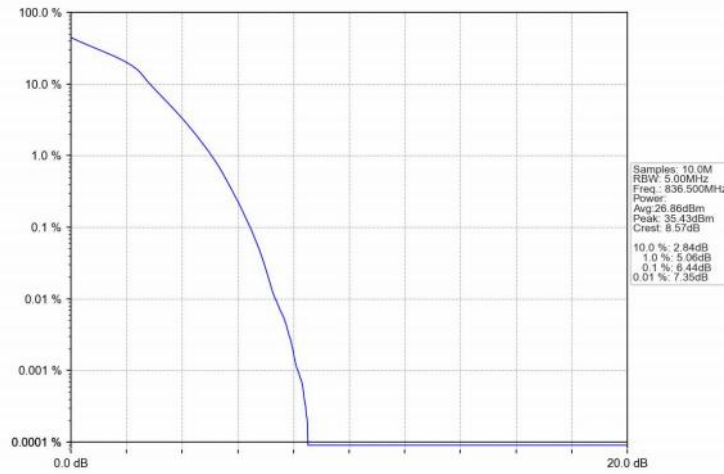
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



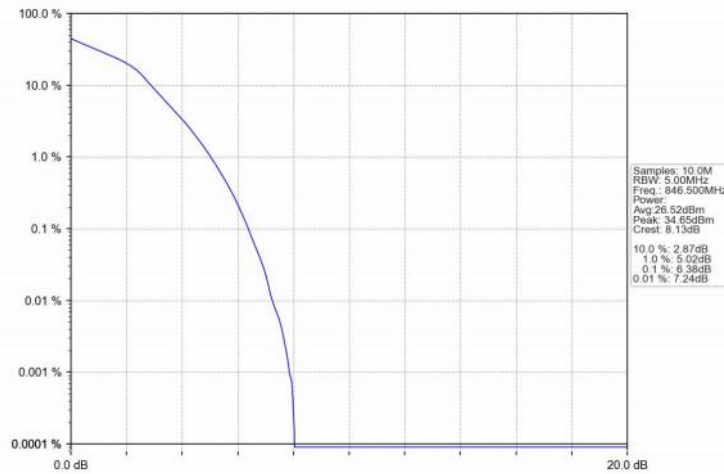
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



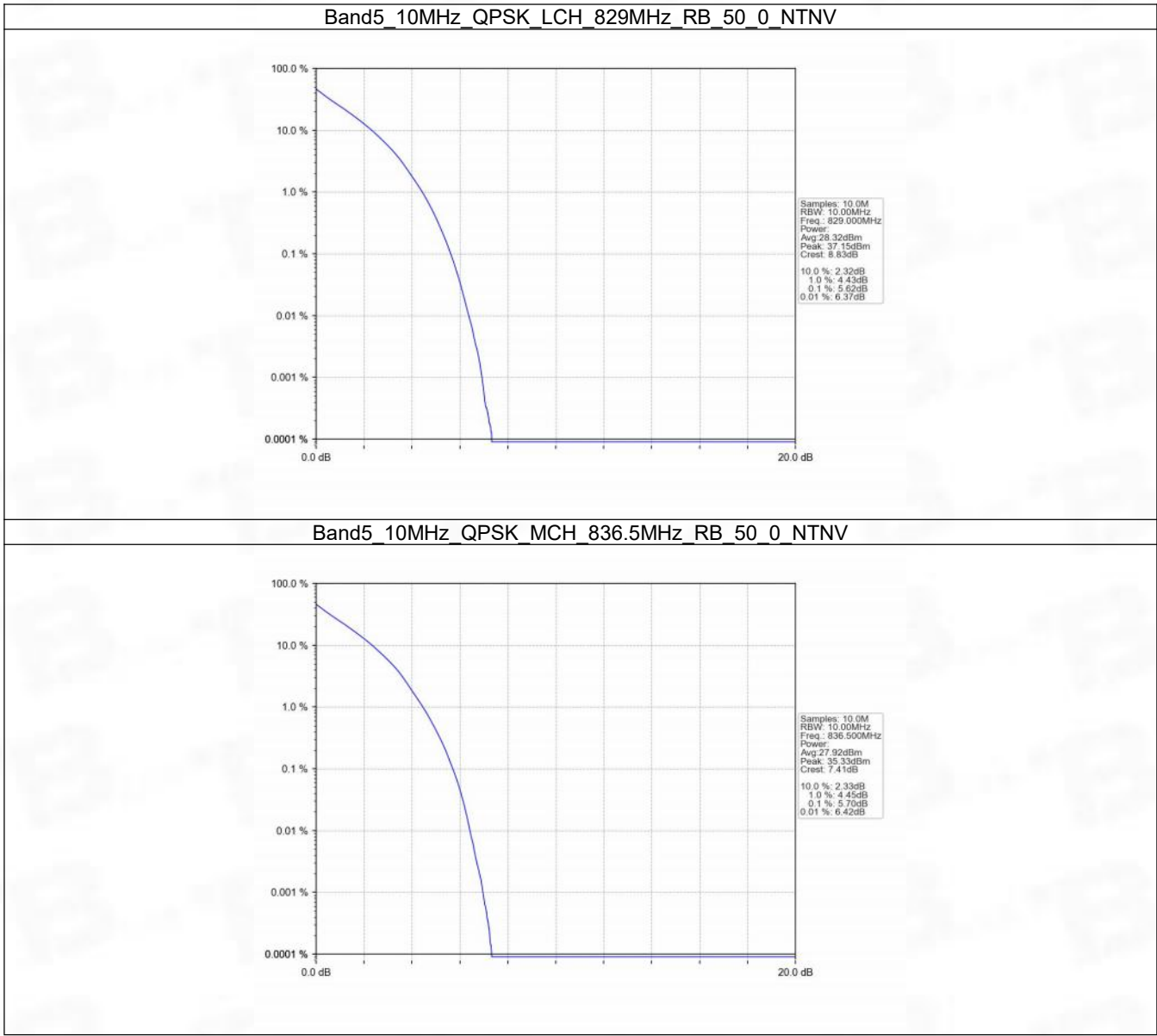
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



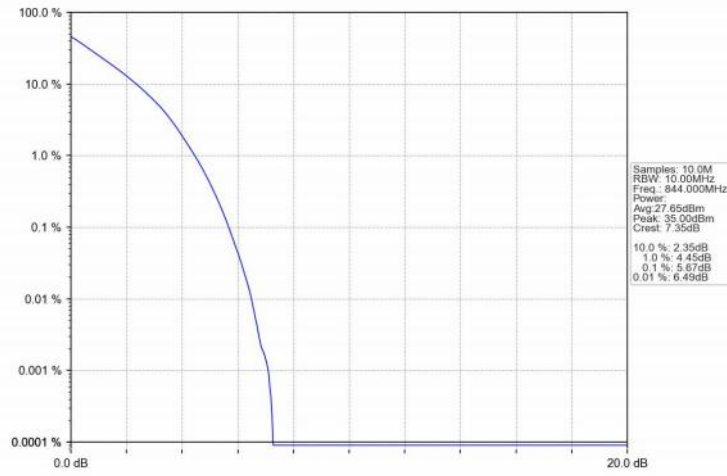
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



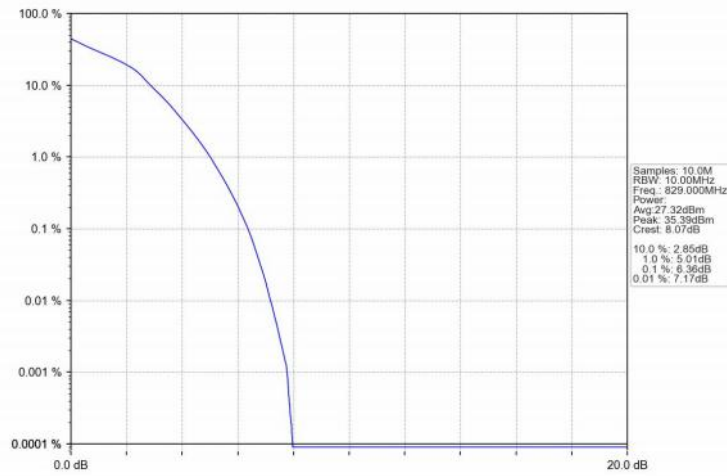
5.2.4 B5\_10MHz



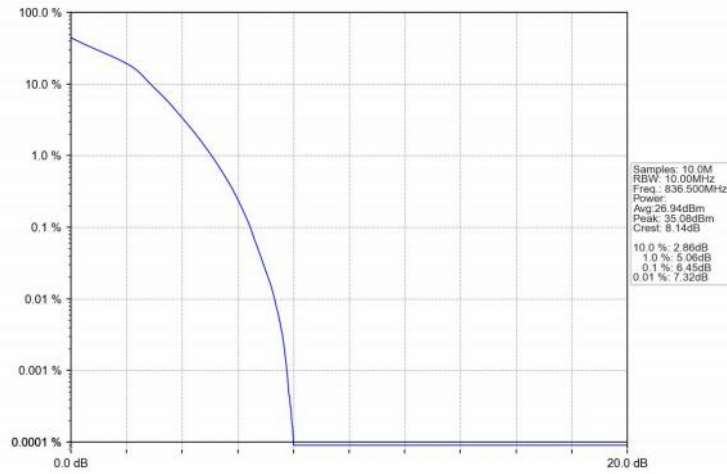
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



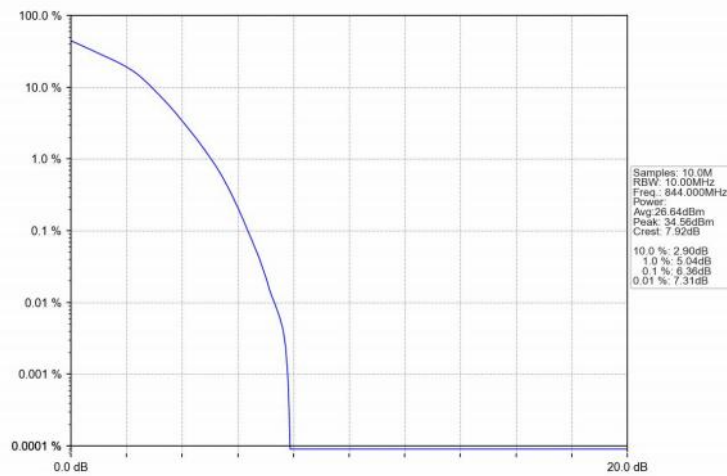
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



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



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



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | 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    |
|                                    | 848.3           | 1             | 5      | Refer To Test Graph |       | Pass    |
|                                    |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 824.7           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 848.3           | 1             | 5      | Refer To Test Graph |       | Pass    |
|                                    |                 | 6             | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | 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    |
|                                  | 847.5           | 1             | 14     | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 825.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 847.5           | 1             | 14     | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | 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    |
|                                  | 846.5           | 1             | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 826.5           | 1             | 0      | Refer To Test Graph |       | Pass    |

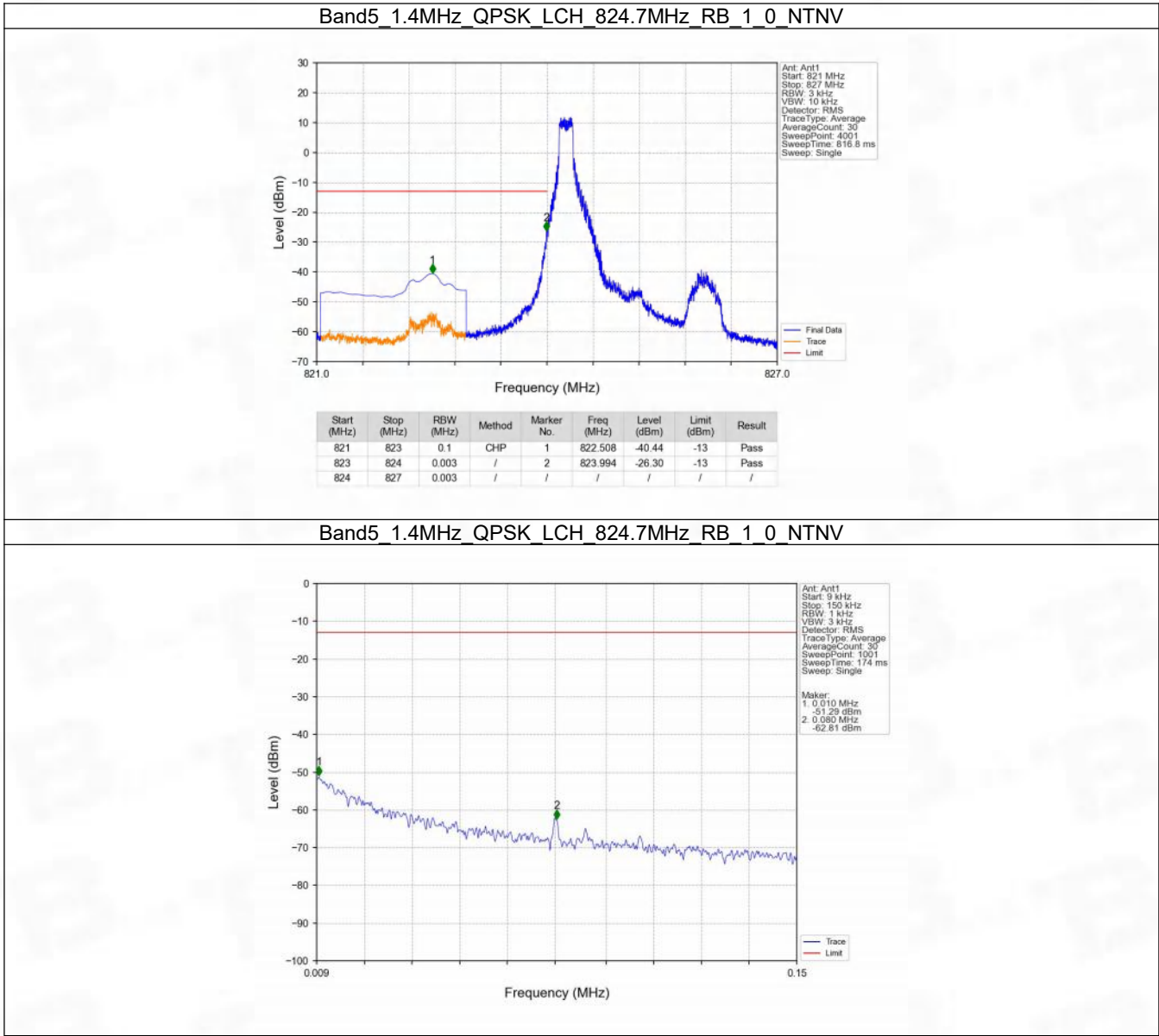
|  |       |    |    |                     |      |
|--|-------|----|----|---------------------|------|
|  | 836.5 | 25 | 0  | Refer To Test Graph | Pass |
|  |       | 1  | 0  | Refer To Test Graph | Pass |
|  | 846.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |       |    | 24 | Refer To Test Graph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

#### 6.1.4 B5\_10MHz

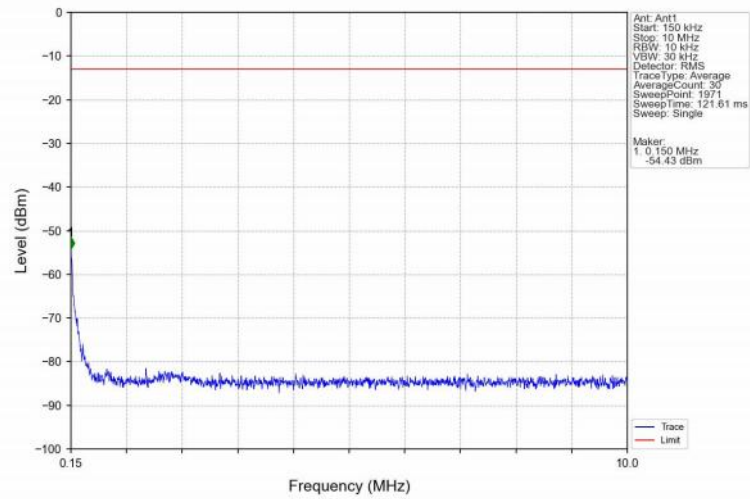
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB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

6.2 Test Graph

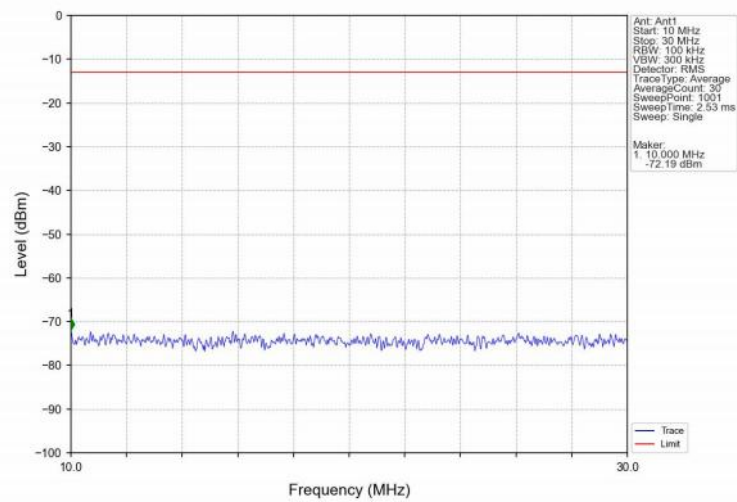
6.2.1 B5\_1.4MHz



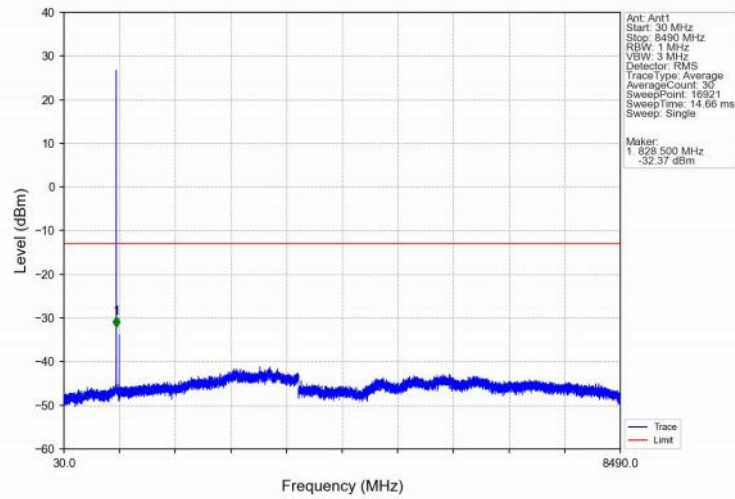
Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



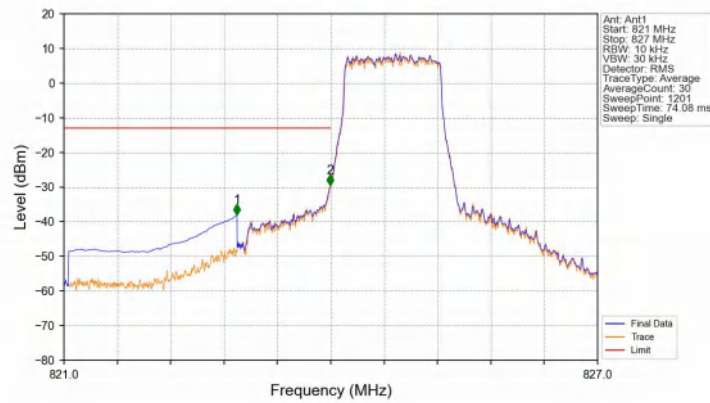
Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



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

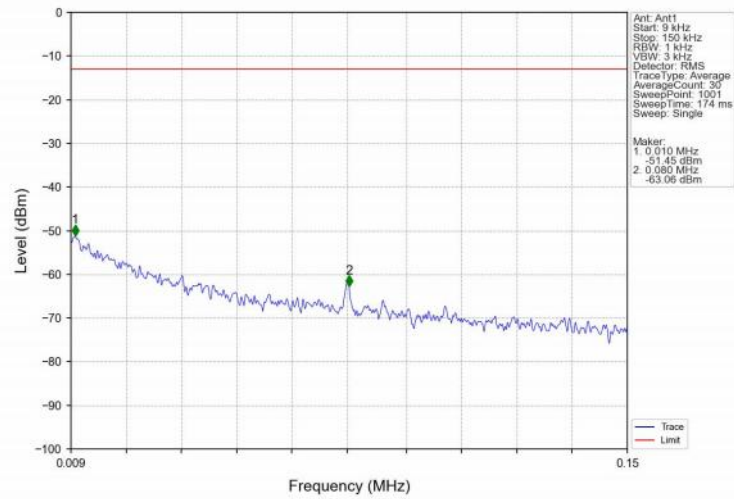


# Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

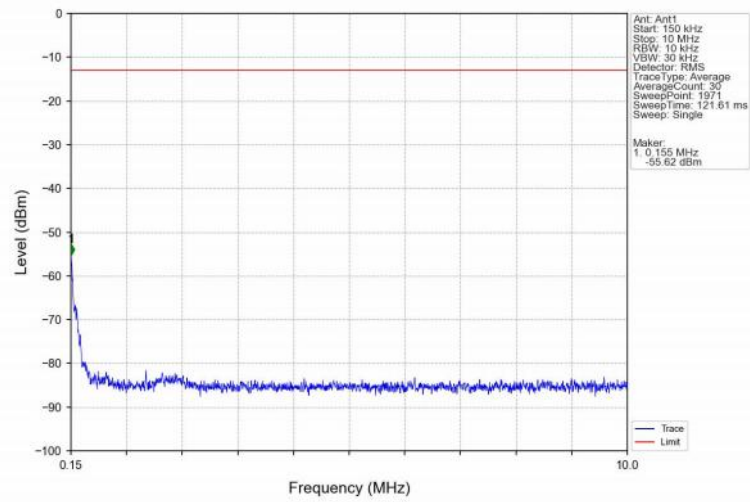


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -38.06      | -13         | Pass   |
| 823         | 824        | 0.013     | CHP    | 2          | 823.995    | -29.51      | -13         | Pass   |
| 824         | 827        | 0.013     | CHP    | /          | /          | /           | /           | /      |

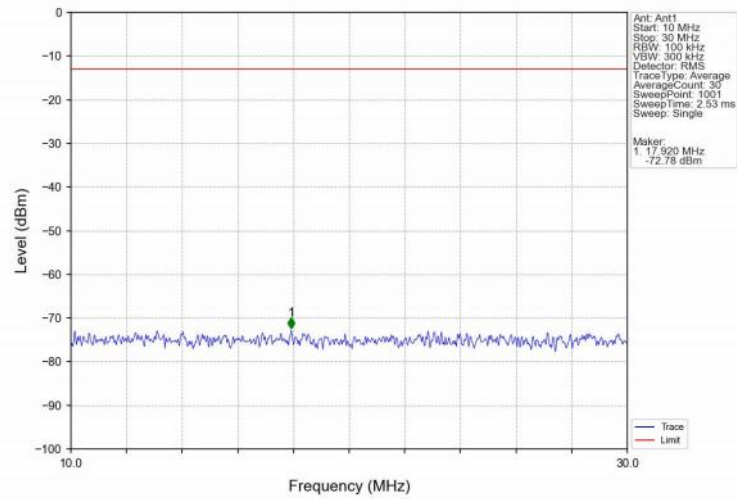
Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



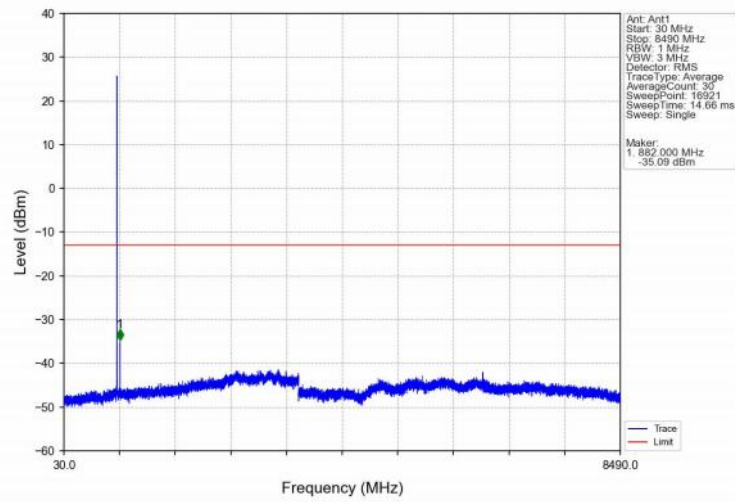
Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



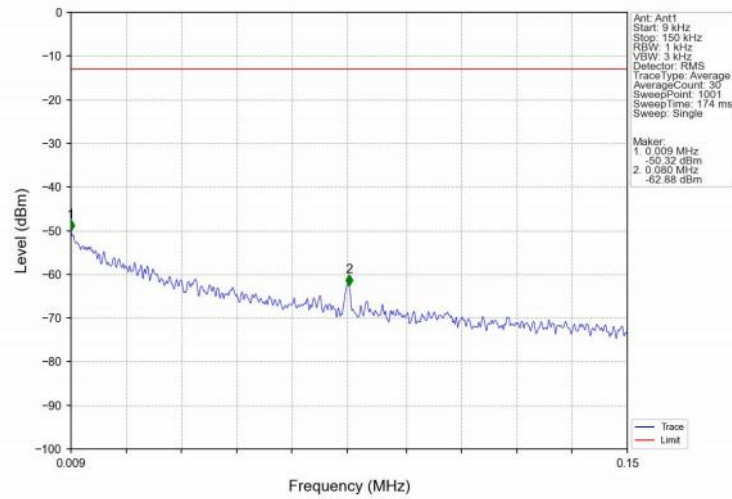
Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



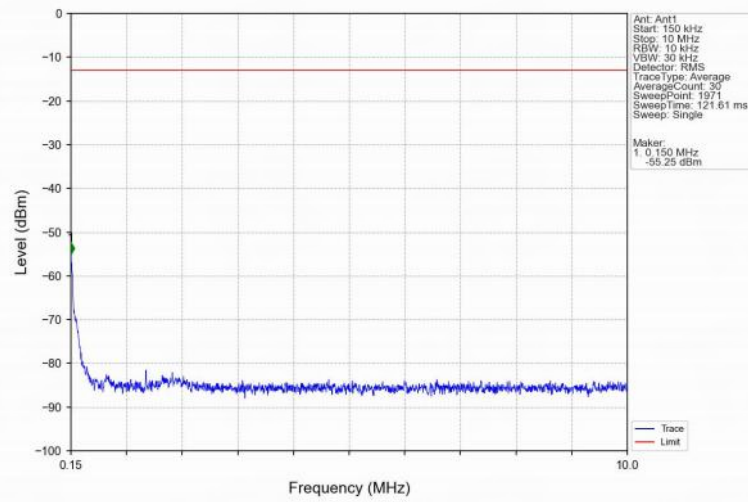
Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



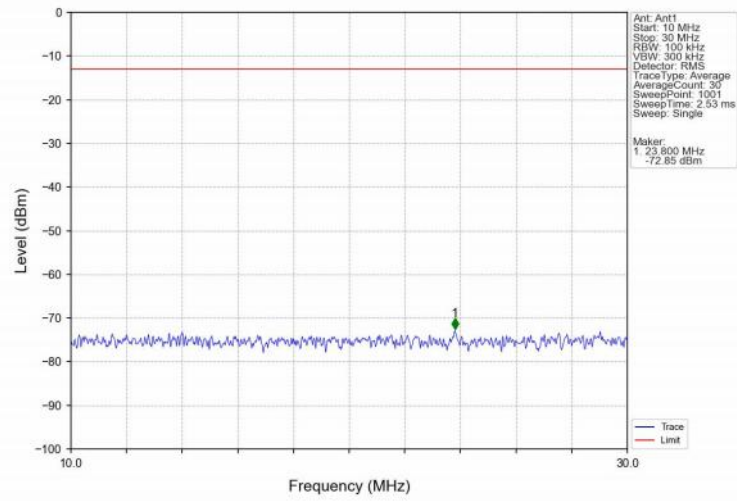
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



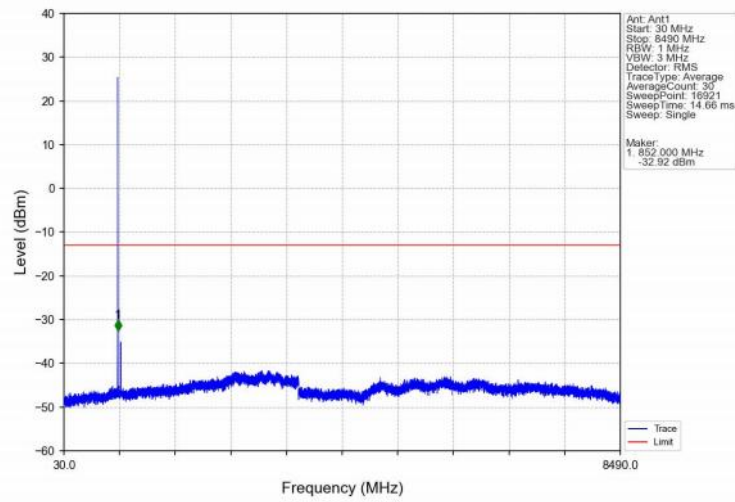
# Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



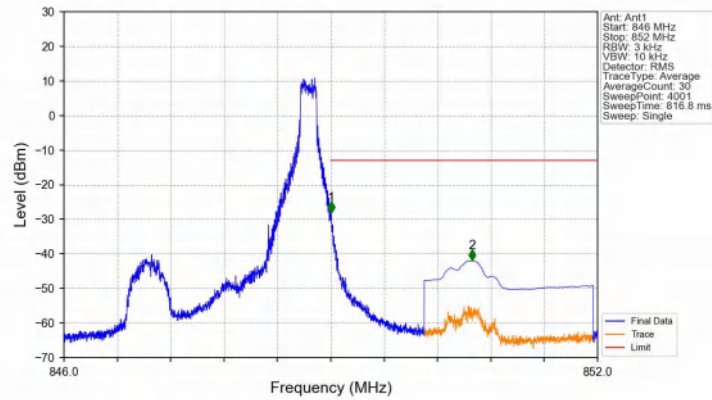
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



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

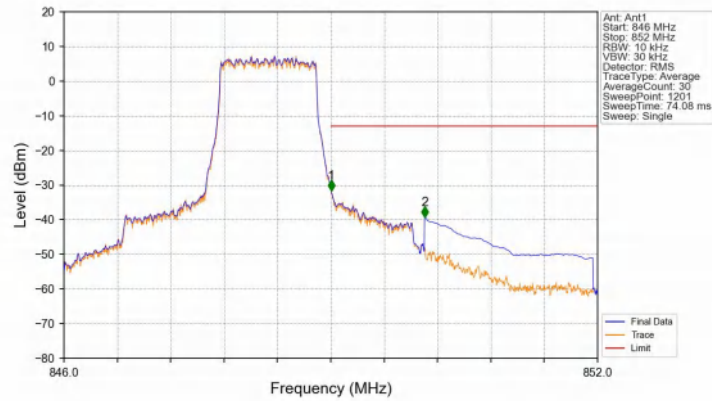


# Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



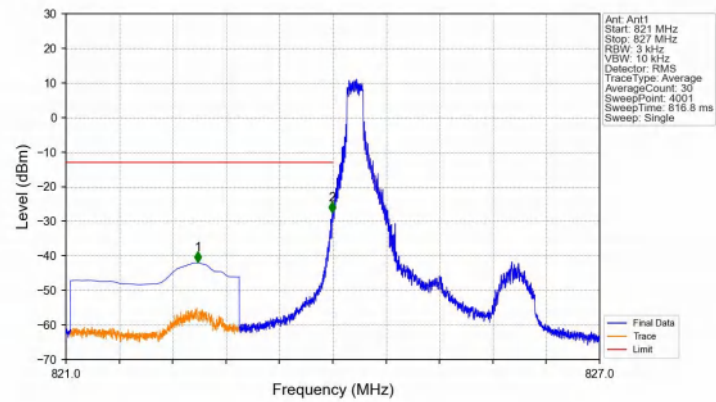
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.005    | -28.10      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.590    | -41.95      | -13         | Pass   |

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



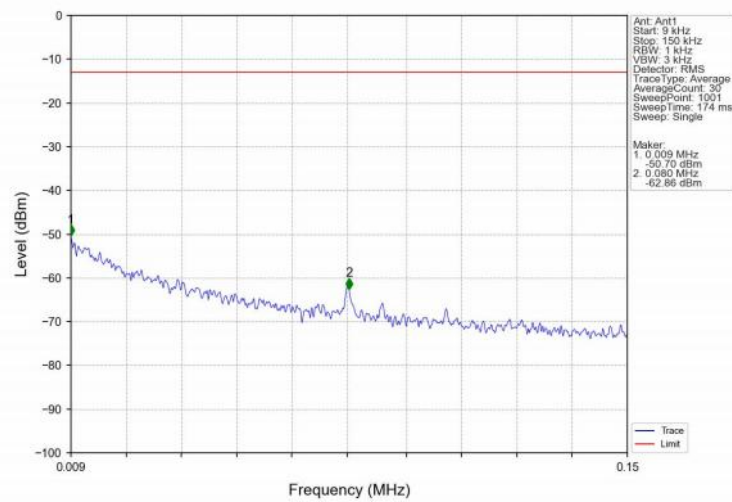
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | CHP    | 1          | 849.005    | -31.59      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -39.35      | -13         | Pass   |

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

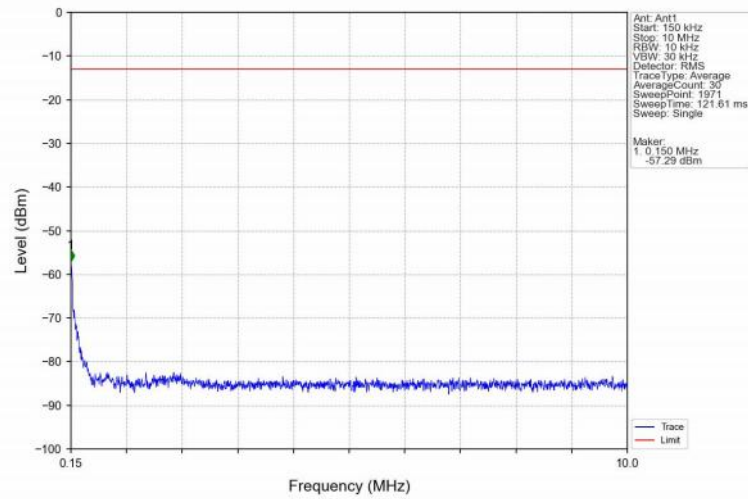


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.485    | -41.98      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.995    | -27.46      | -13         | Pass   |
| 824         | 827        | 0.003     | /      | /          | /          | /           | /           | /      |

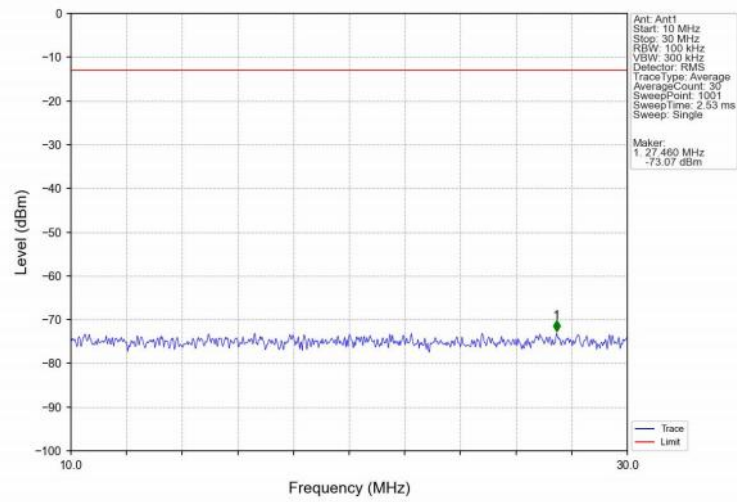
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



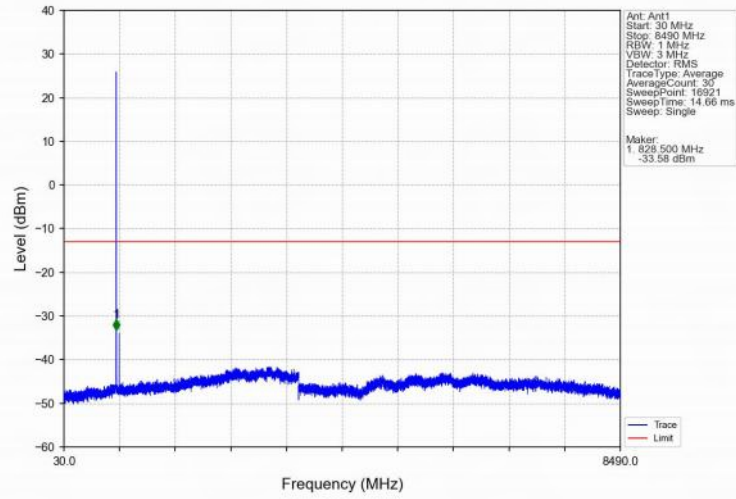
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



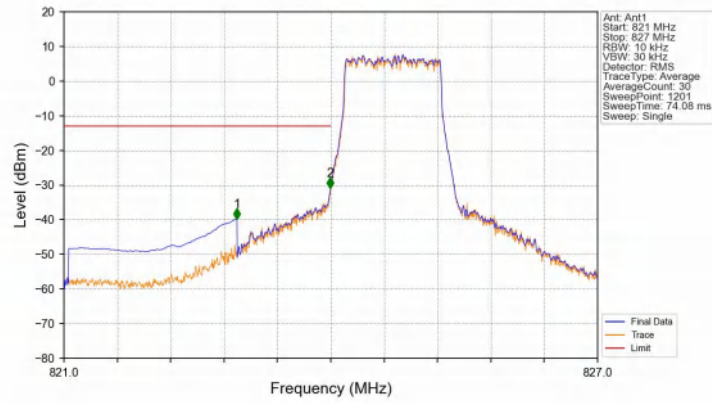
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



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

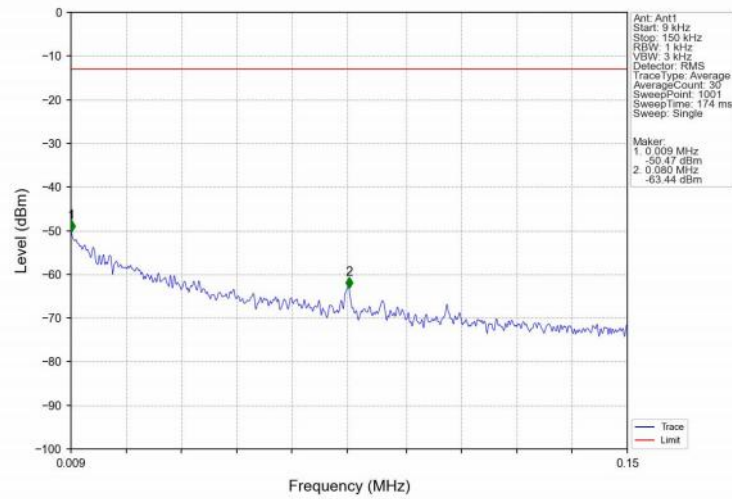


# Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

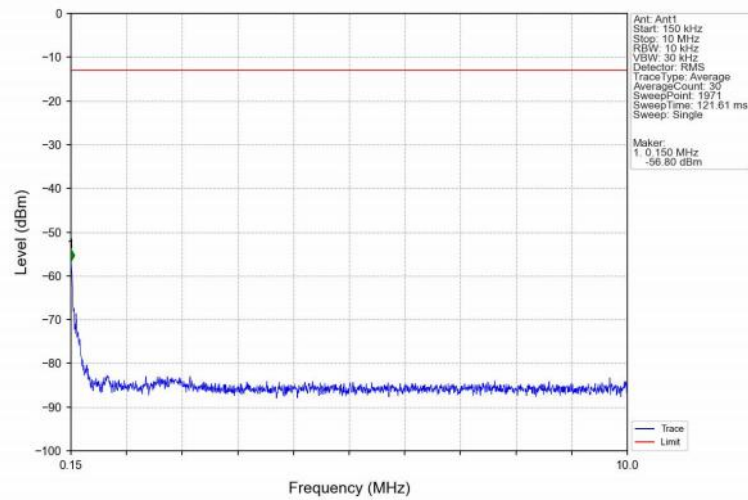


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -39.83      | -13         | Pass   |
| 823         | 824        | 0.013     | CHP    | 2          | 823.995    | -30.97      | -13         | Pass   |
| 824         | 827        | 0.013     | CHP    | /          | /          | /           | /           | /      |

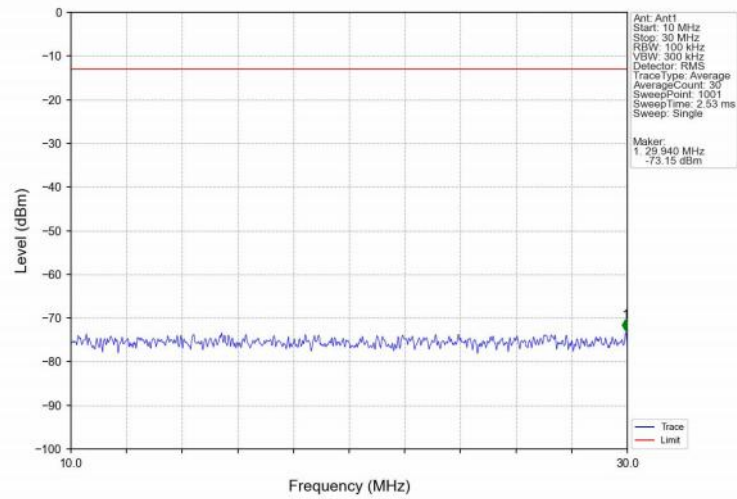
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



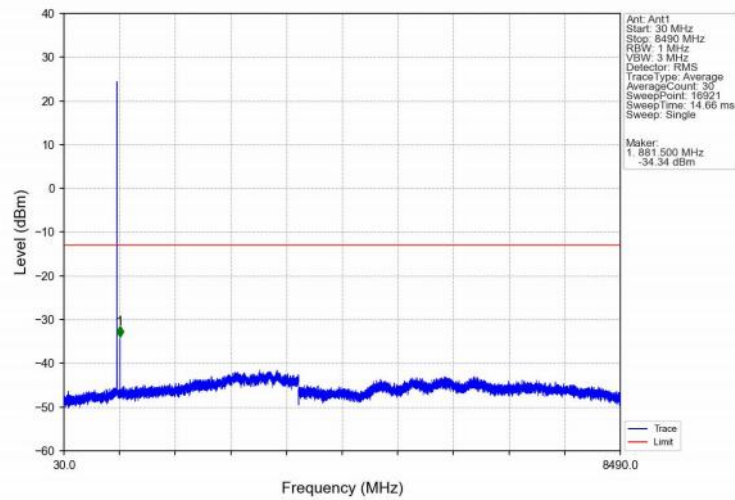
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



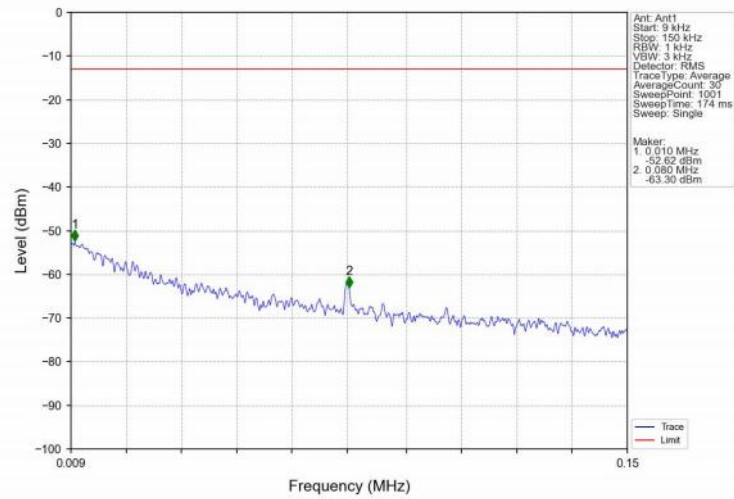
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



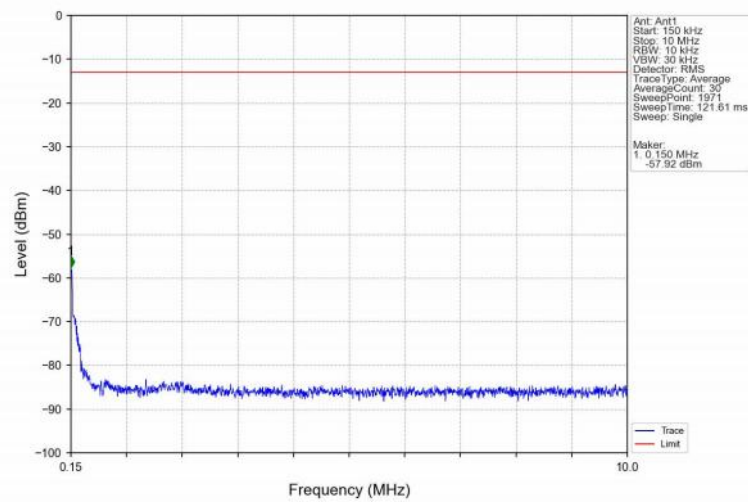
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



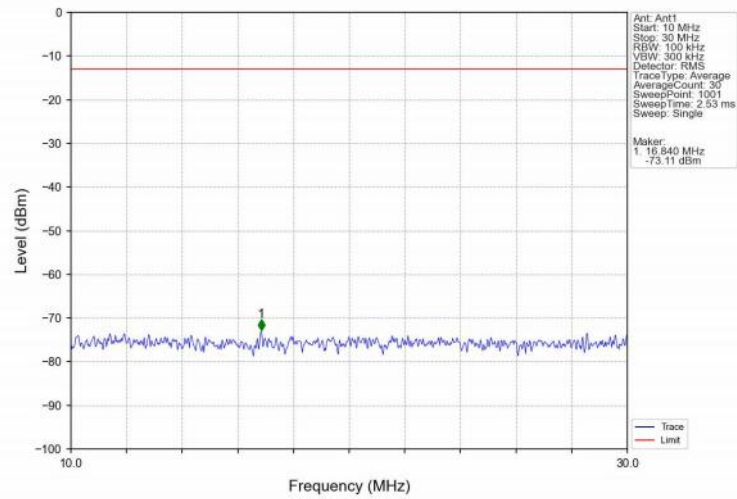
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



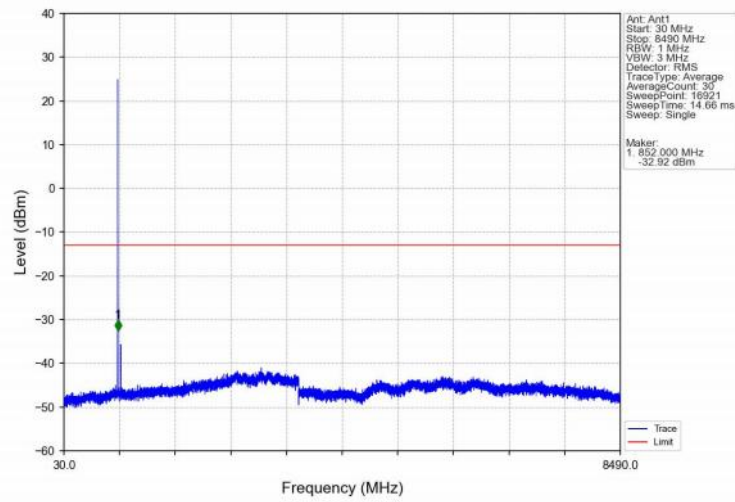
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



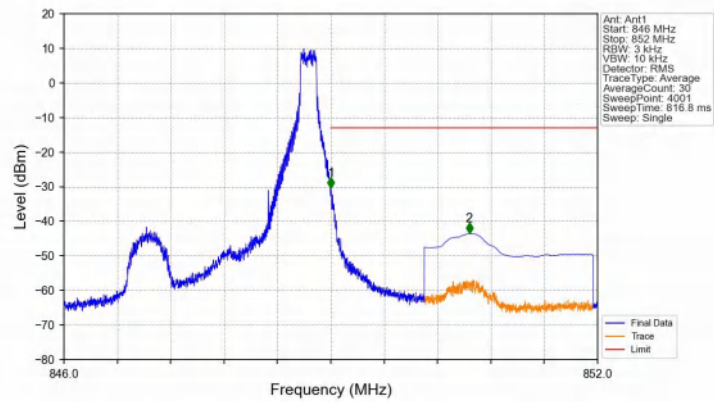
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_0\_NTNV



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

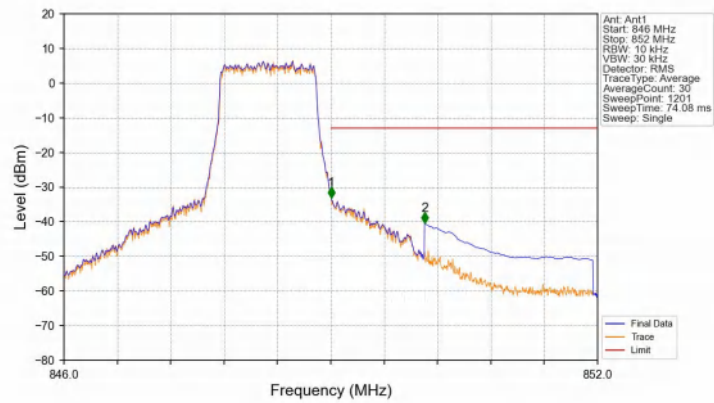


Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_5\_NTNV



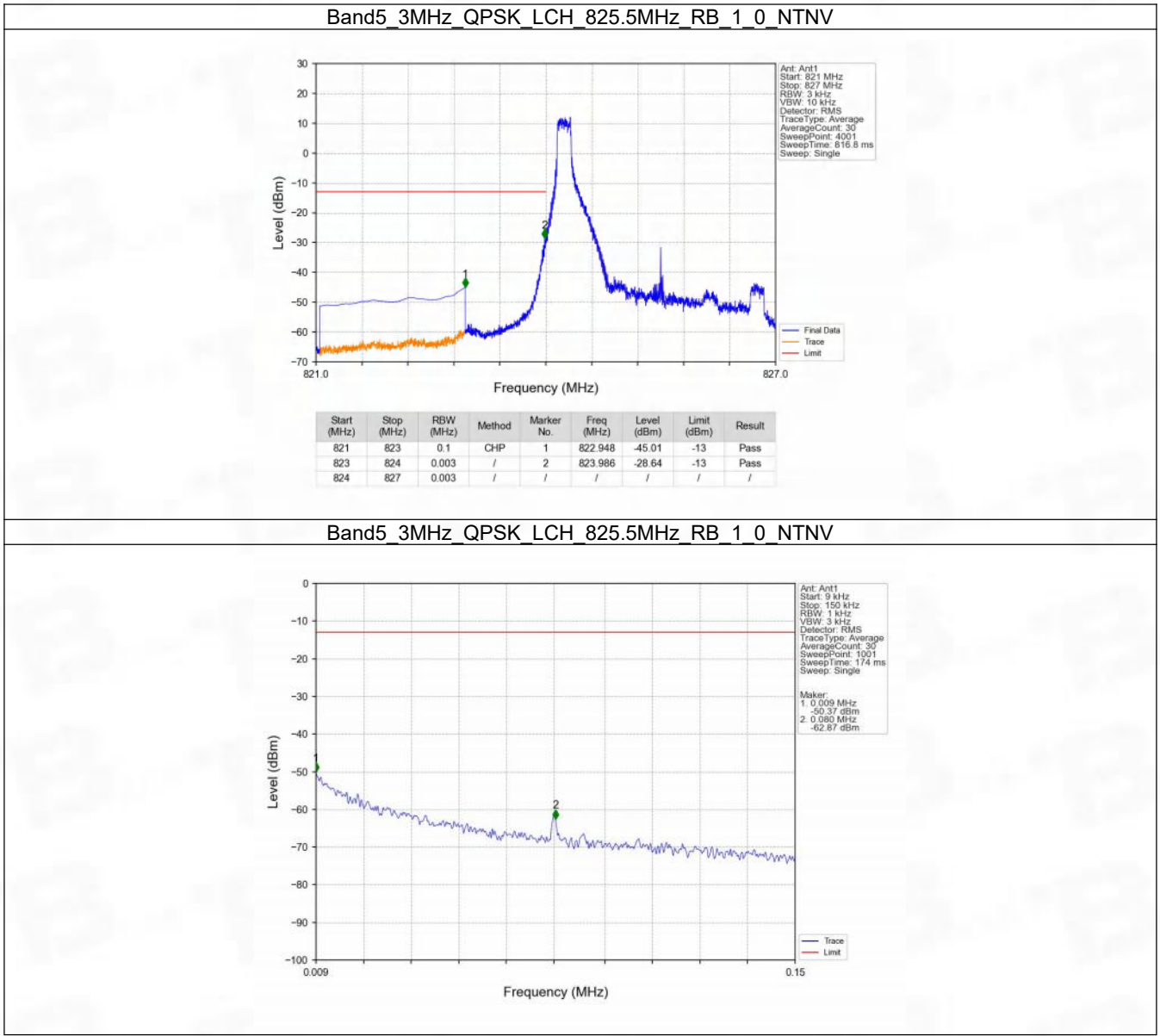
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.003    | -30.40      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.557    | -43.54      | -13         | Pass   |

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

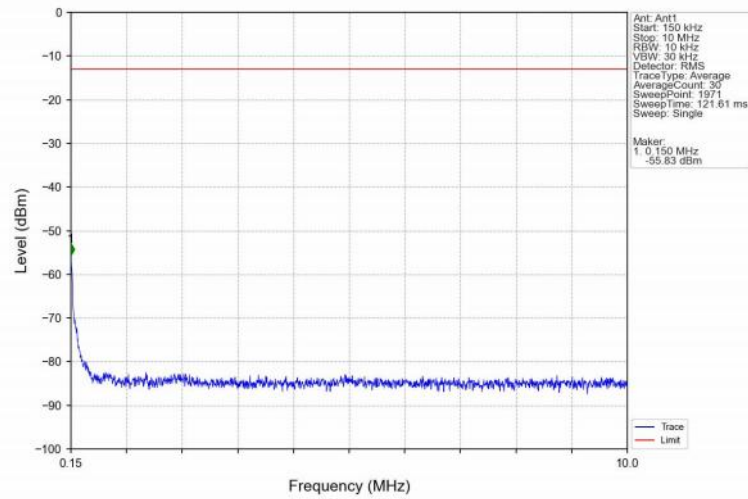


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | CHP    | 1          | 849.005    | -33.18      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -40.40      | -13         | Pass   |

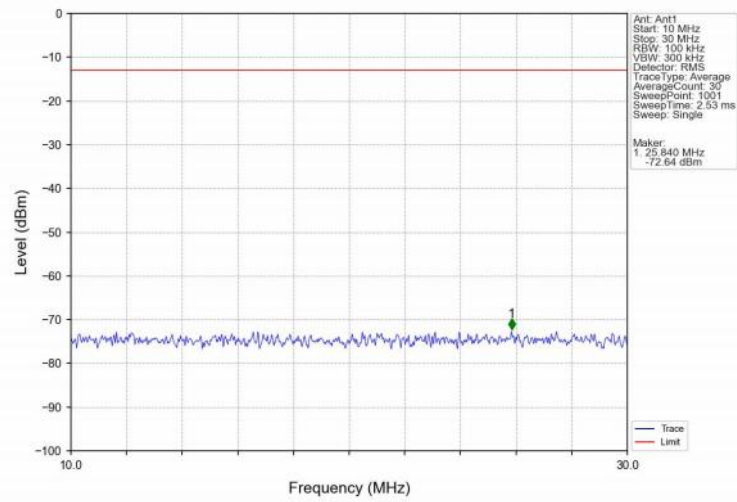
6.2.2 B5\_3MHz



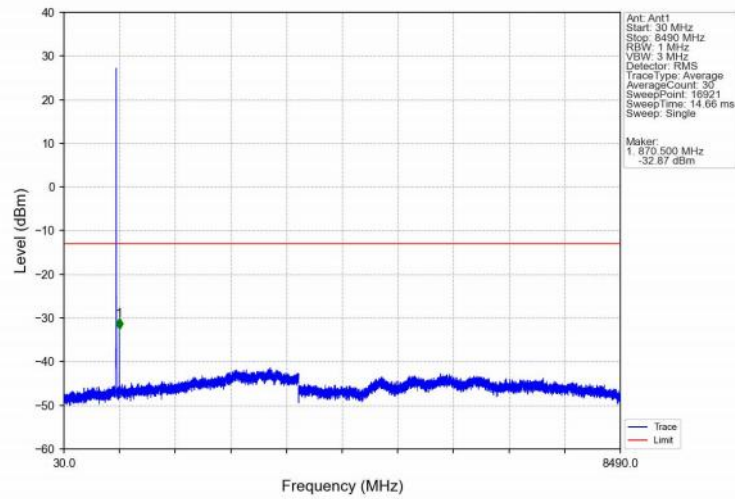
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



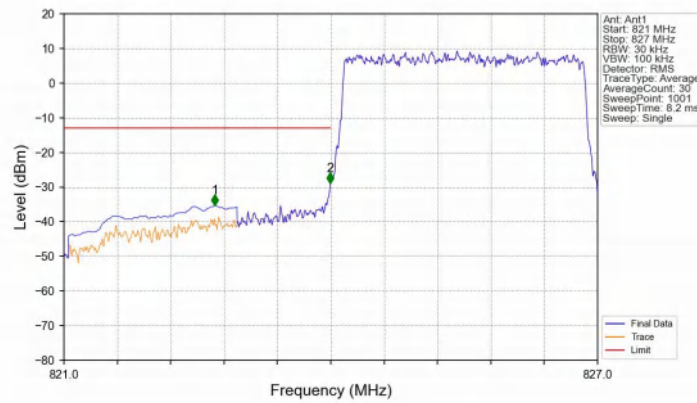
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



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

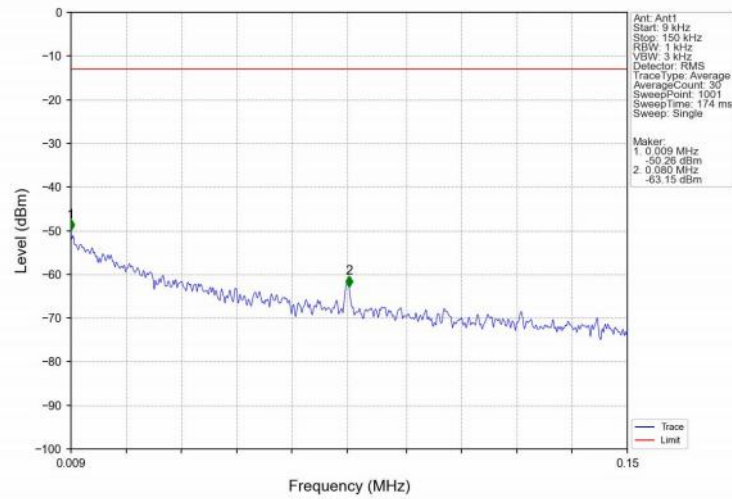


# Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

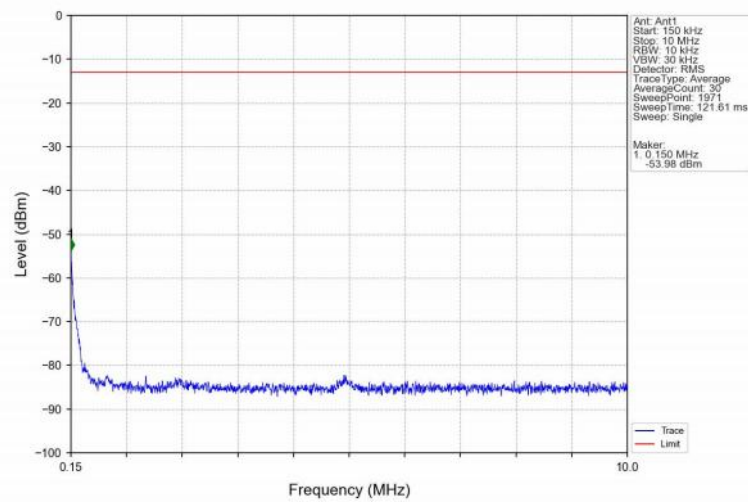


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.698    | -35.34      | -13         | Pass   |
| 823         | 824        | 0.03      | /      | 2          | 823.994    | -29.00      | -13         | Pass   |
| 824         | 827        | 0.03      | /      | /          | /          | /           | /           | /      |

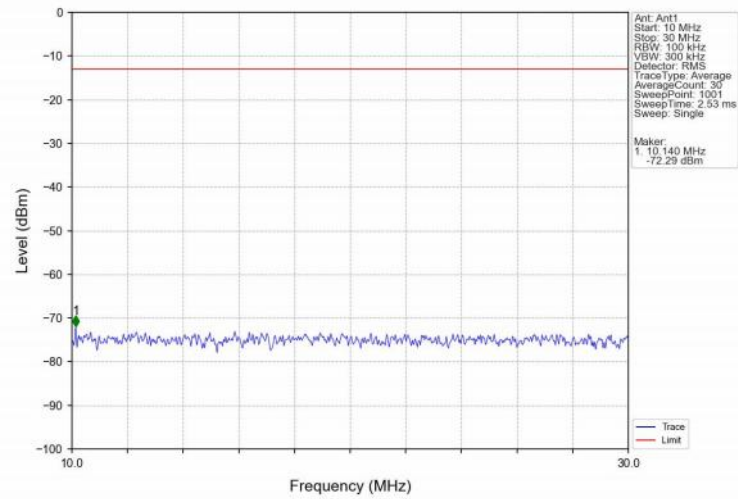
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



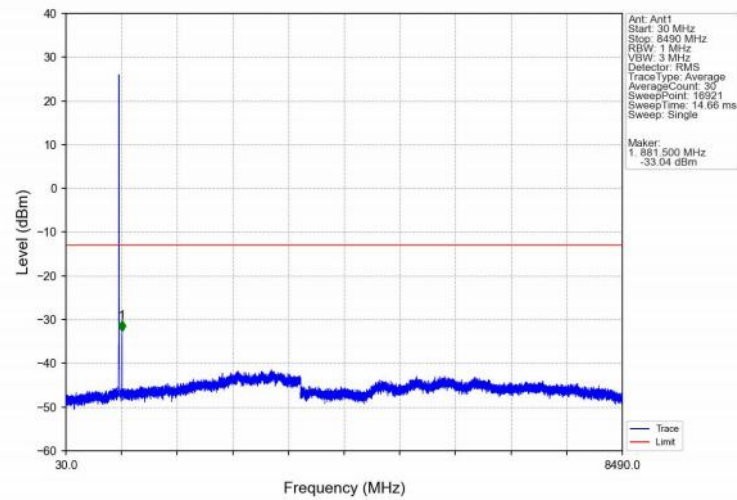
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



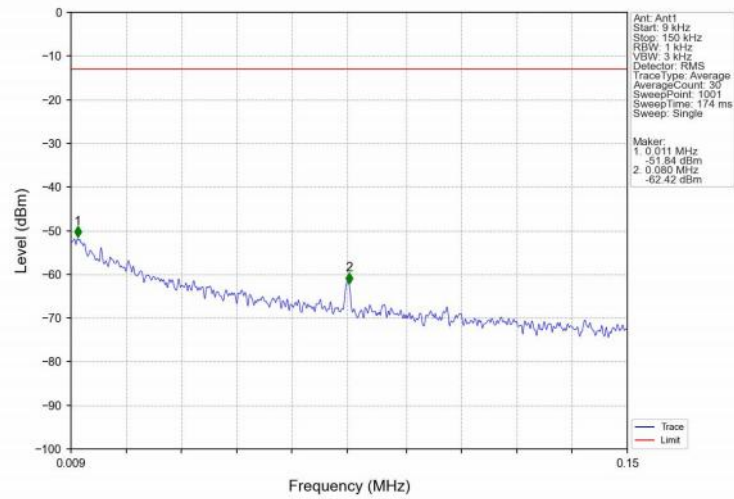
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



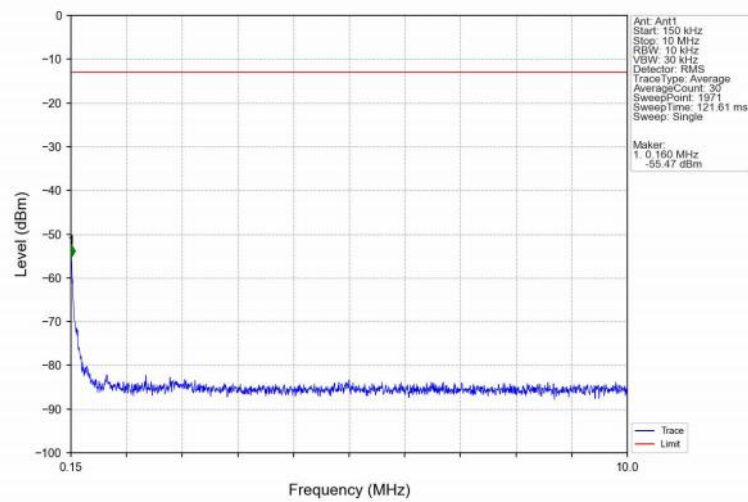
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



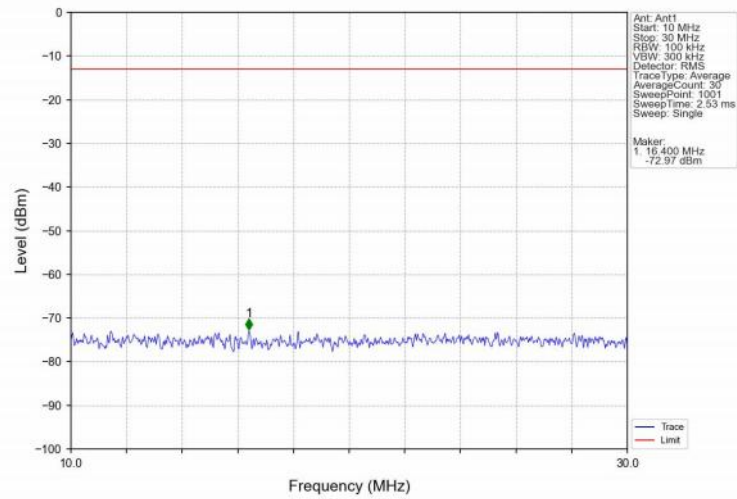
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_0\_NTNV



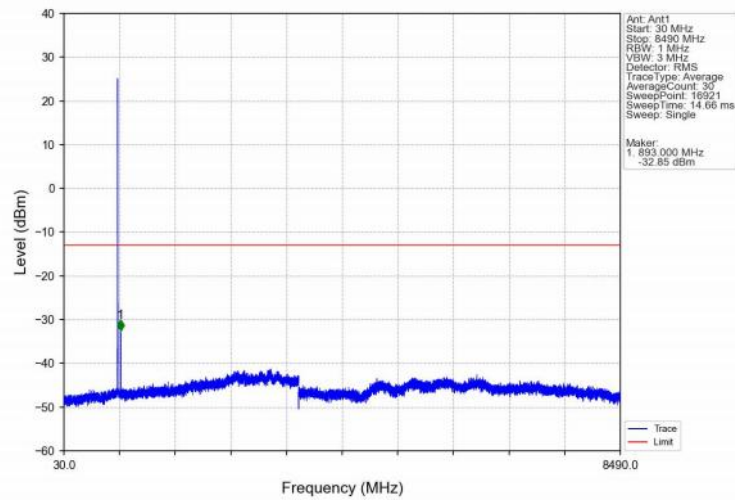
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_0\_NTNV



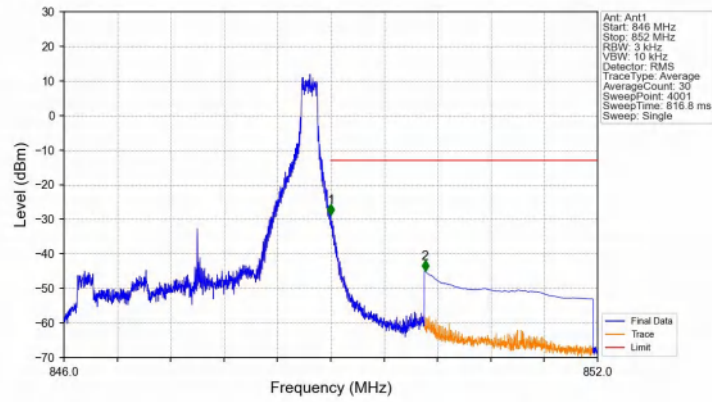
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_0\_NTNV



Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_0\_NTNV

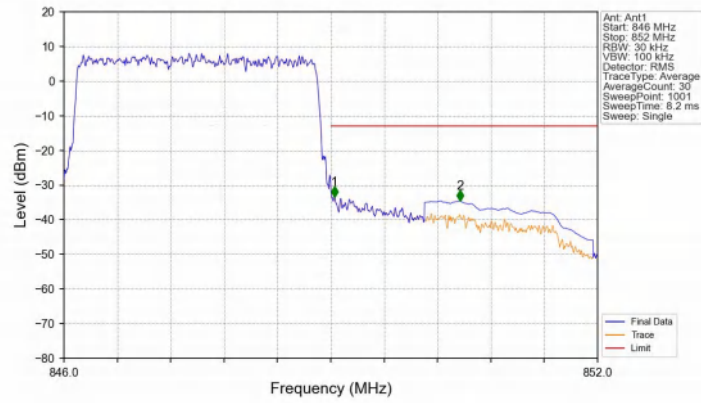


Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_14\_NTNV



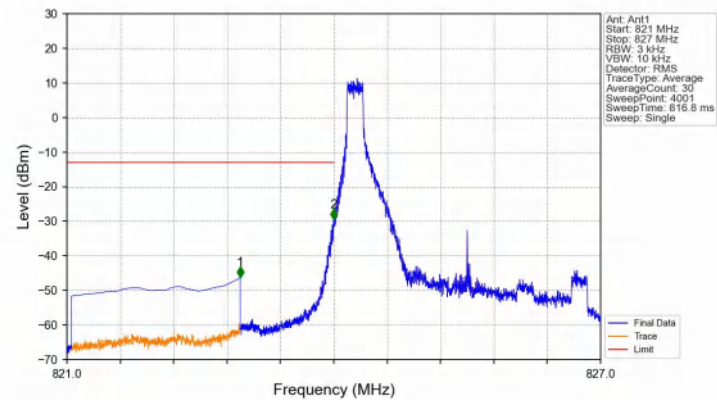
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.001    | -28.71      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.061    | -45.02      | -13         | Pass   |

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



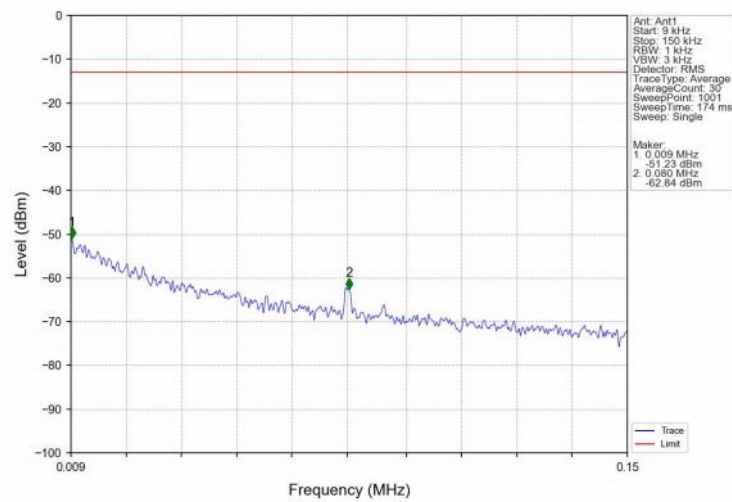
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.03      | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.03      | /      | 1          | 849.042    | -33.46      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.452    | -34.54      | -13         | Pass   |

Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_1\_0\_NTNV

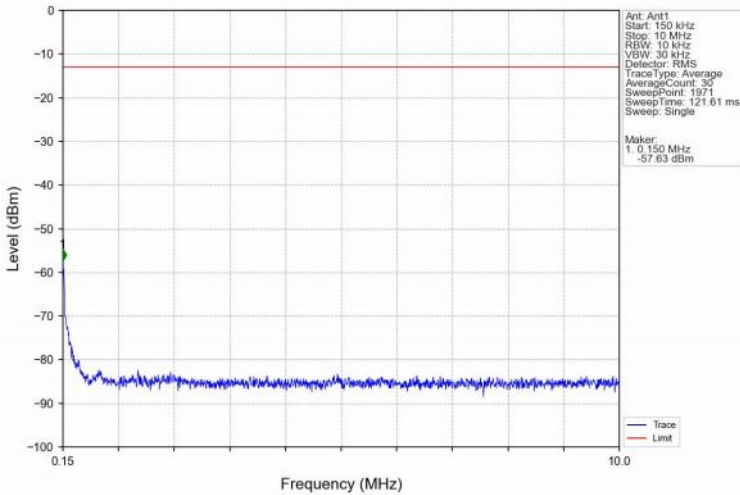


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.948    | -46.22      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.999    | -29.50      | -13         | Pass   |
| 824         | 827        | 0.003     | /      | /          | /          | /           | /           | /      |

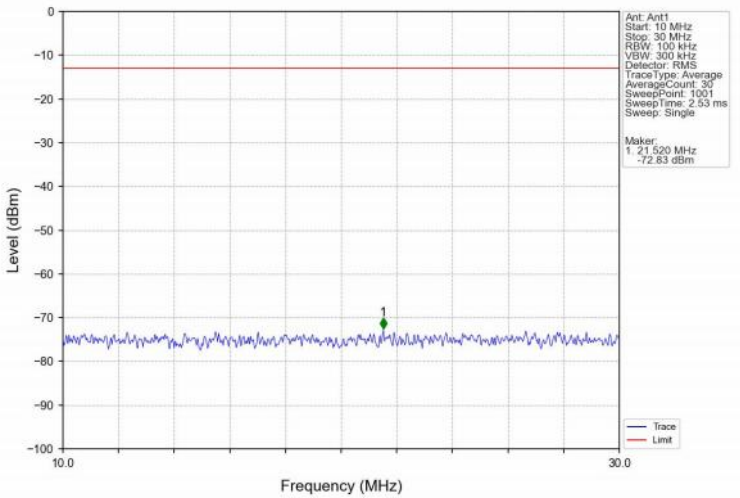
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



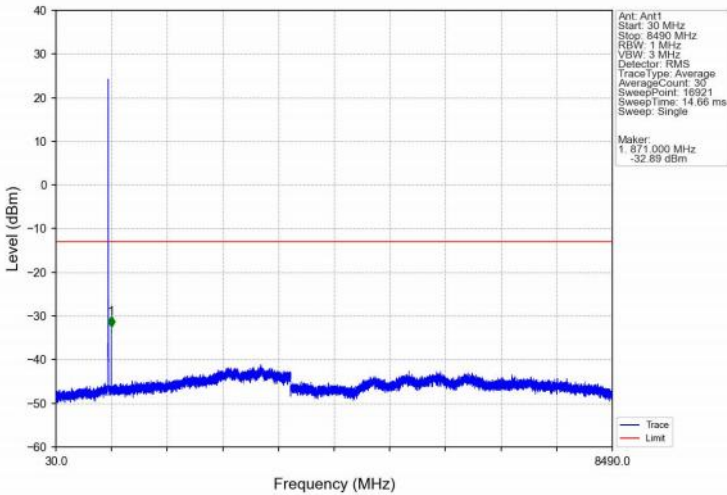
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



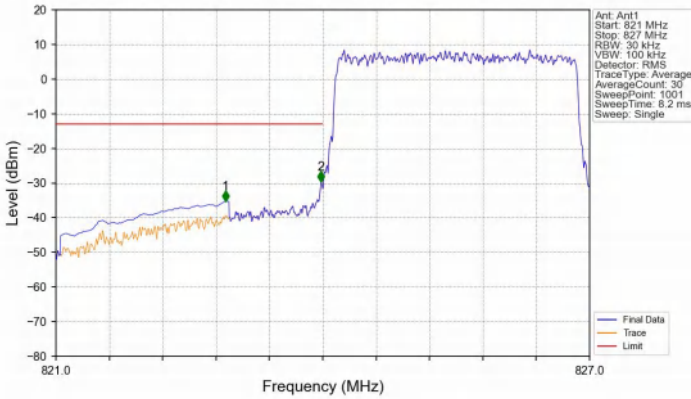
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_1\_0\_NTNV

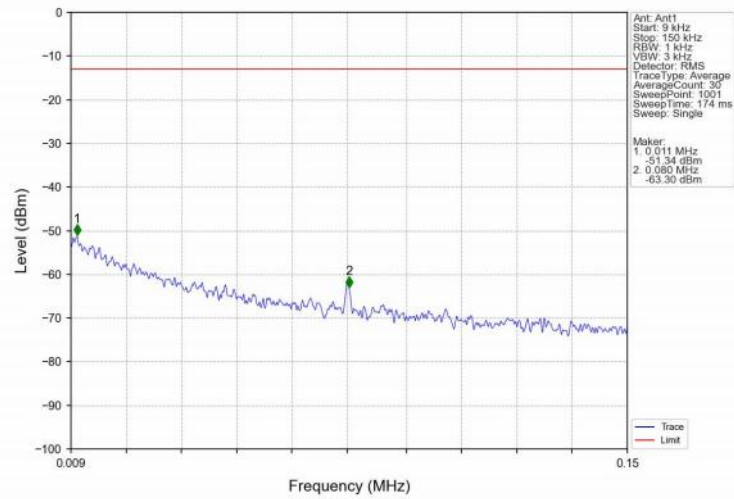


Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

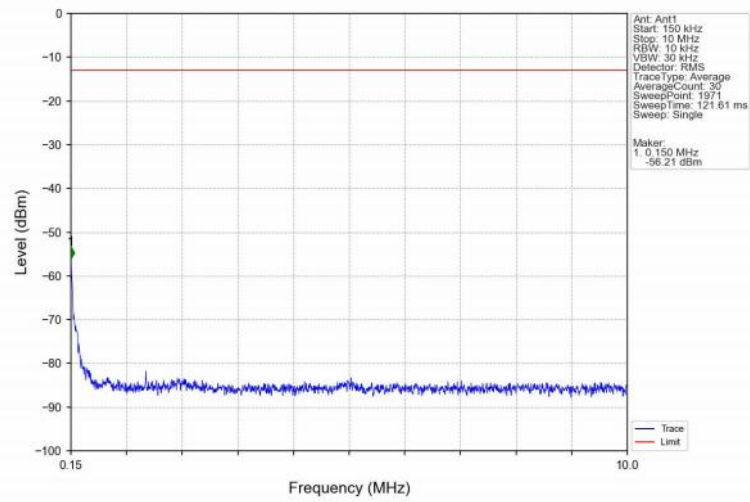


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.908    | -35.31      | -13         | Pass   |
| 823         | 824        | 0.03      | /      | 2          | 823.982    | -29.66      | -13         | Pass   |
| 824         | 827        | 0.03      | /      | /          | /          | /           | /           | /      |

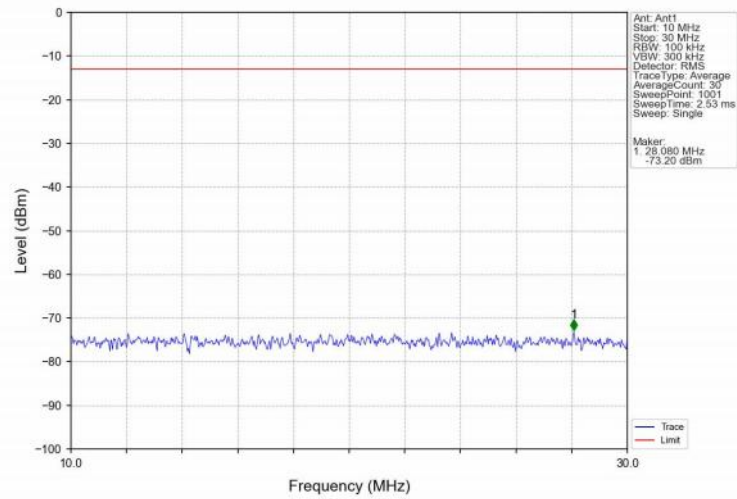
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



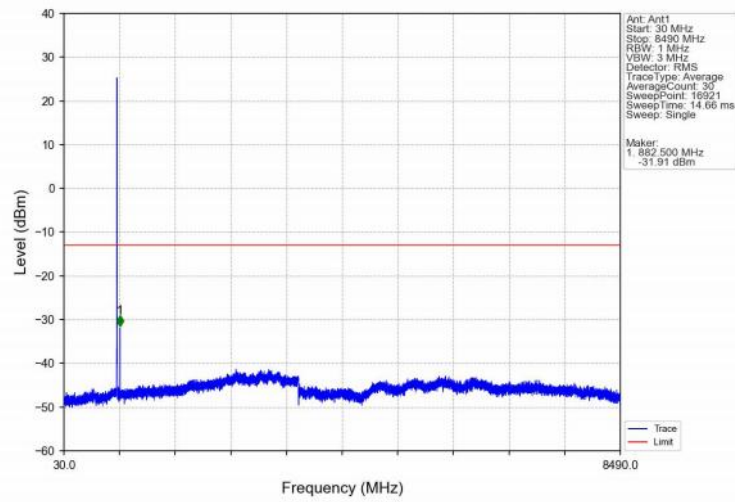
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



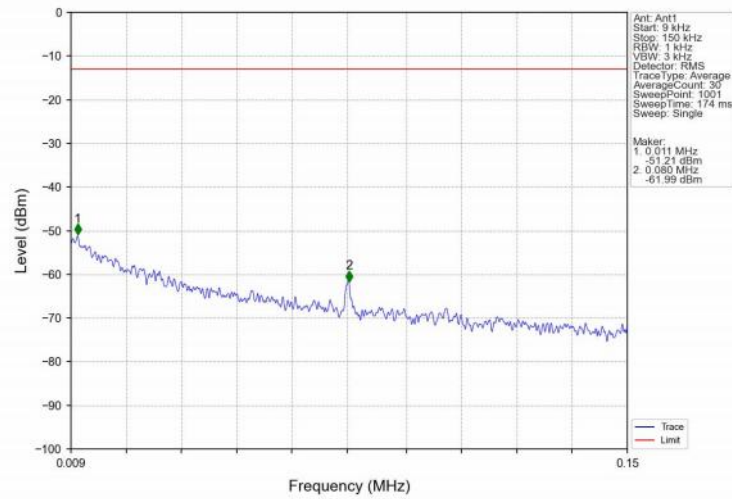
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



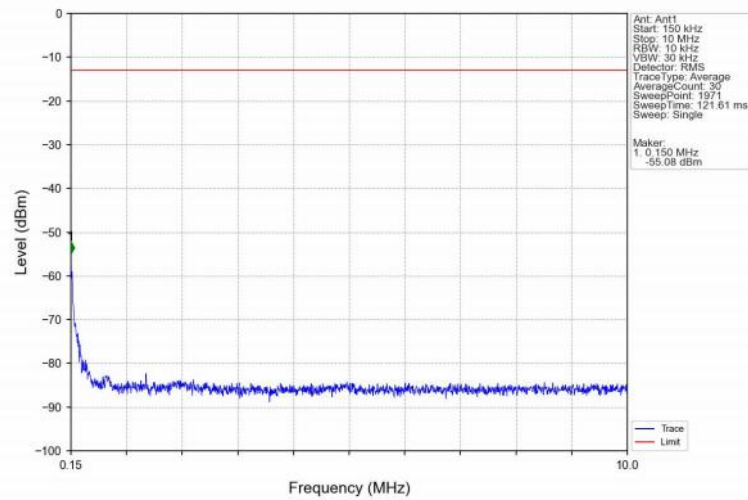
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



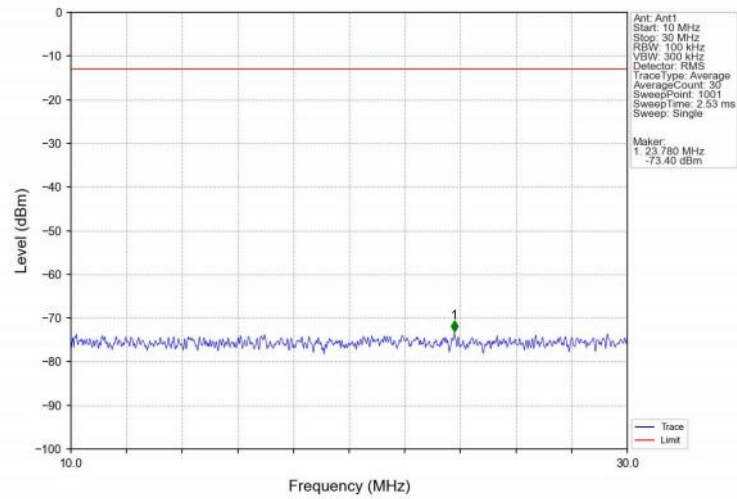
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_1\_0\_NTNV



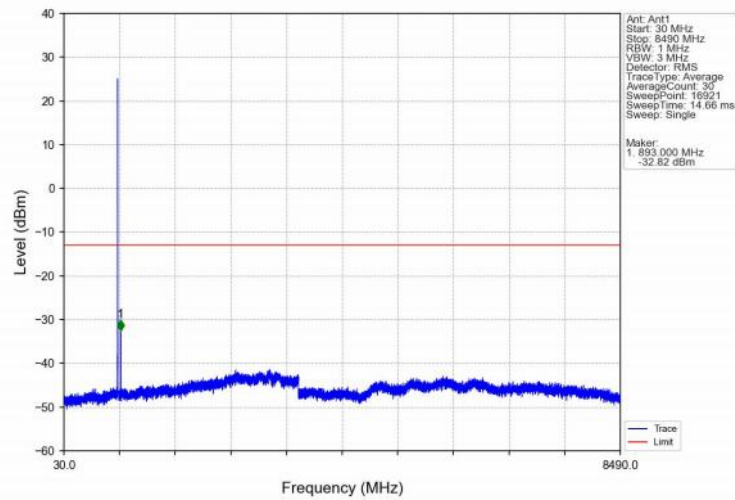
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_1\_0\_NTNV



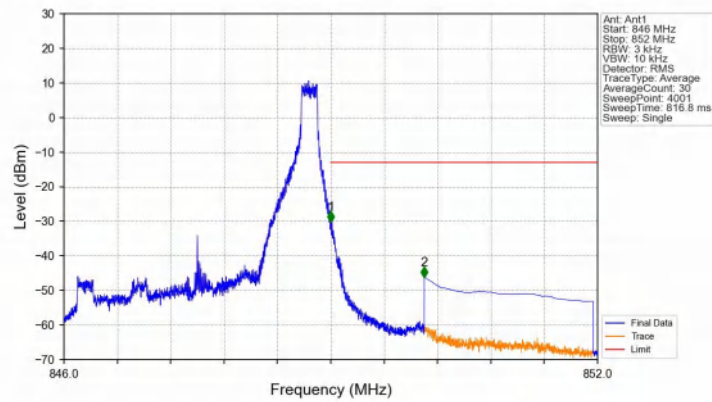
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_1\_0\_NTNV



Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_1\_0\_NTNV

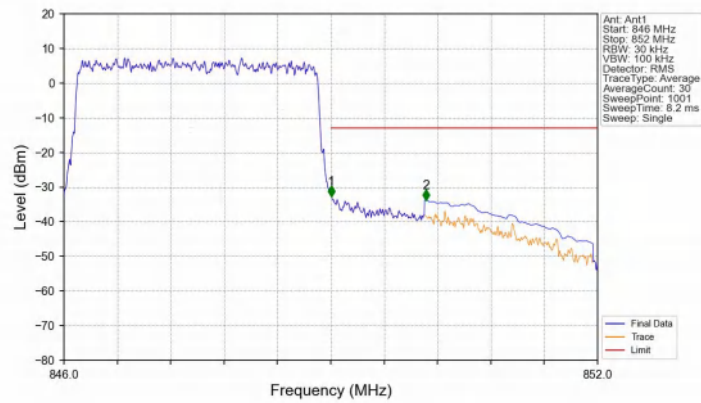


# Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_1\_14\_NTNV



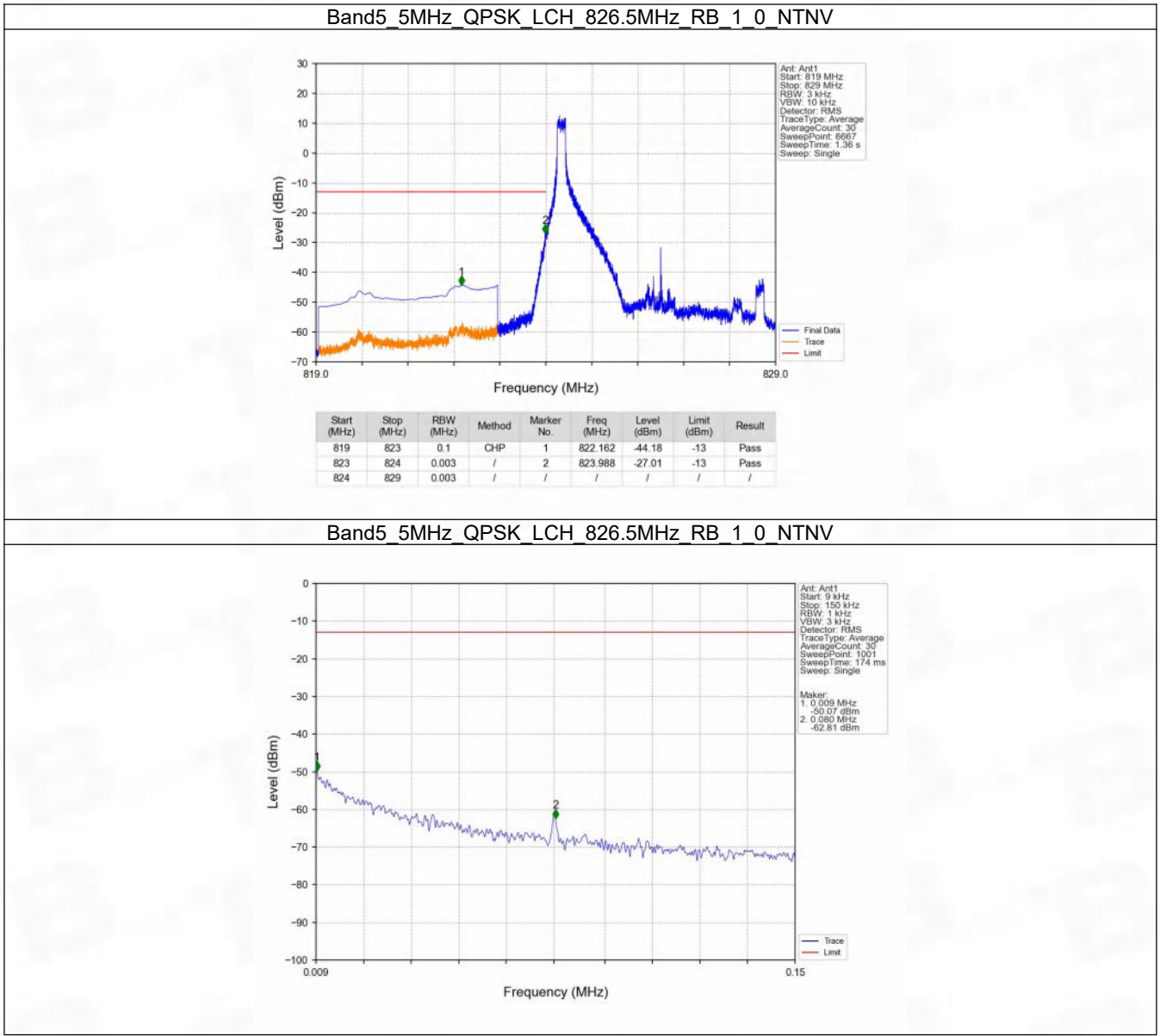
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.003    | -30.25      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.052    | -46.24      | -13         | Pass   |

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

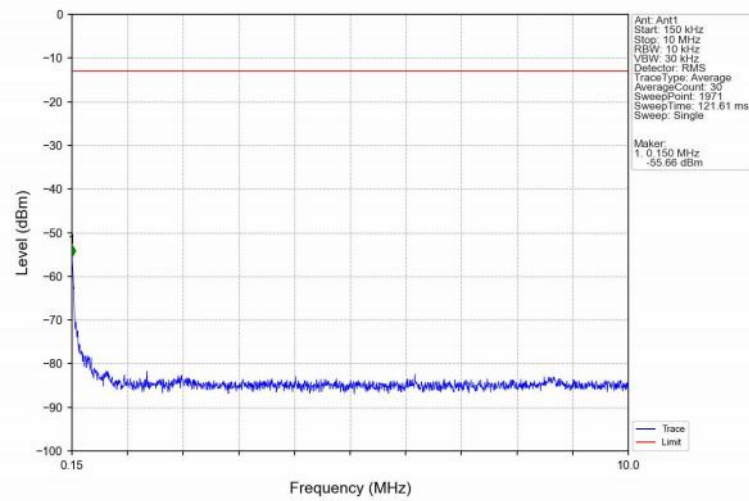


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.03      | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.03      | /      | 1          | 849.006    | -32.70      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.074    | -33.81      | -13         | Pass   |

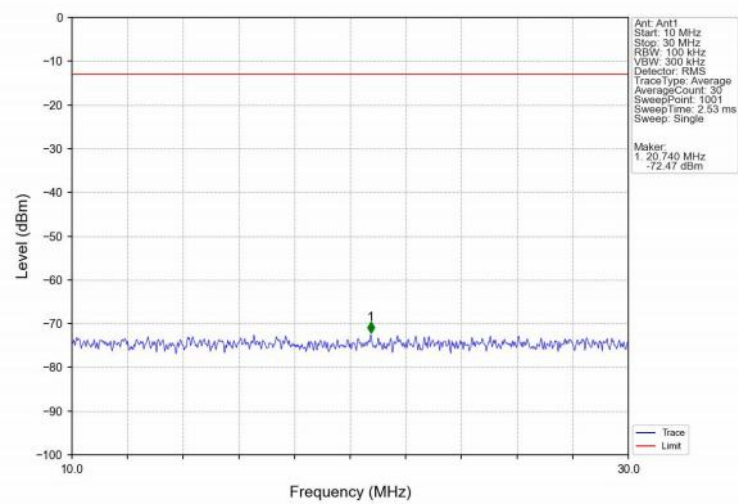
6.2.3 B5\_5MHz



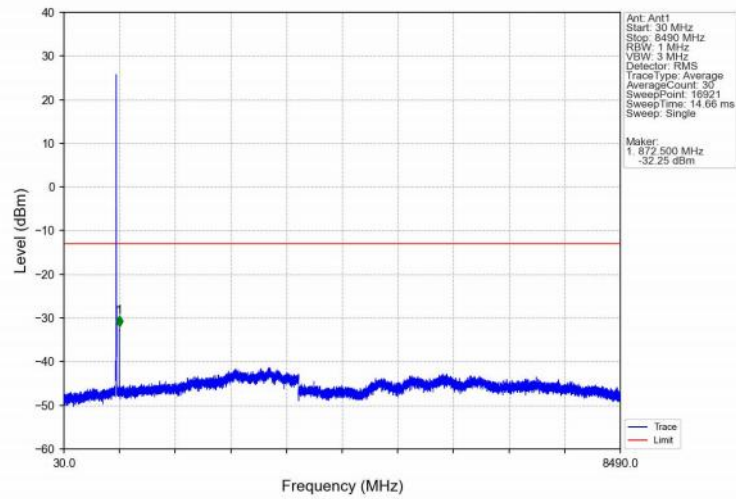
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_1\_0\_NTNV



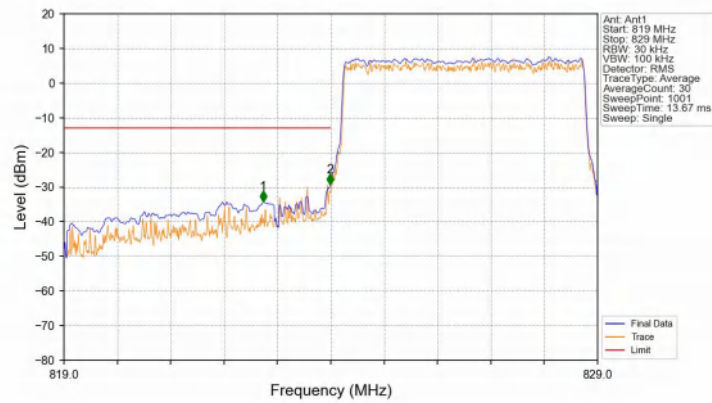
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_1\_0\_NTNV



# Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_1\_0\_NTNV

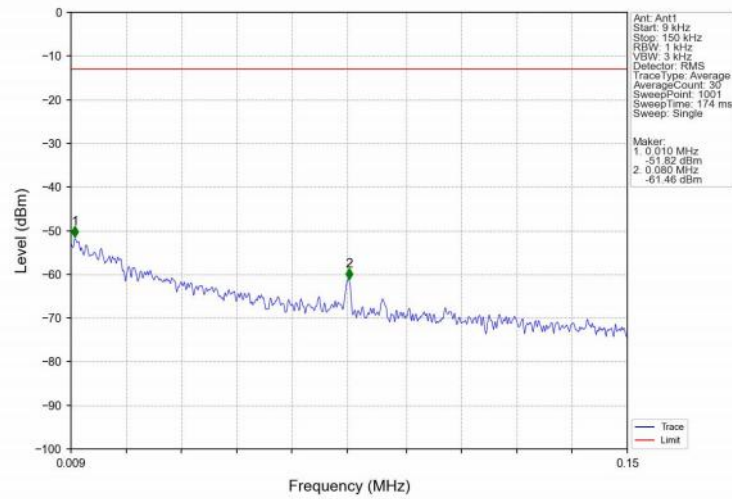


# Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

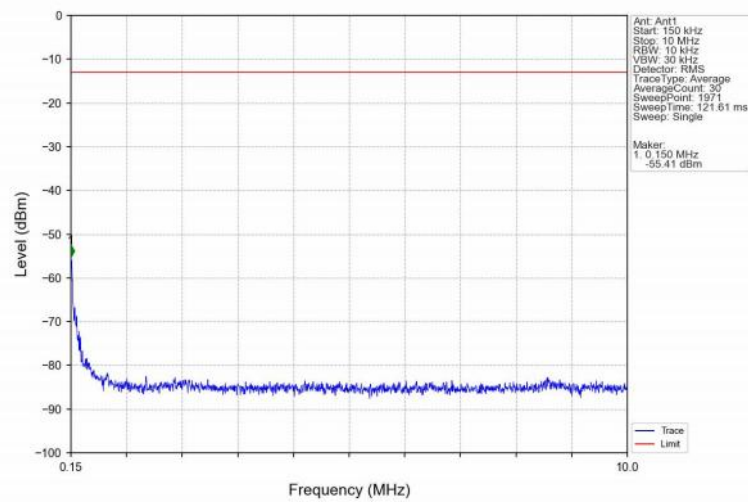


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.730    | -34.16      | -13         | Pass   |
| 823         | 824        | 0.05      | CHP    | 2          | 823.990    | -29.27      | -13         | Pass   |
| 824         | 829        | 0.05      | CHP    | /          | /          | /           | /           | /      |

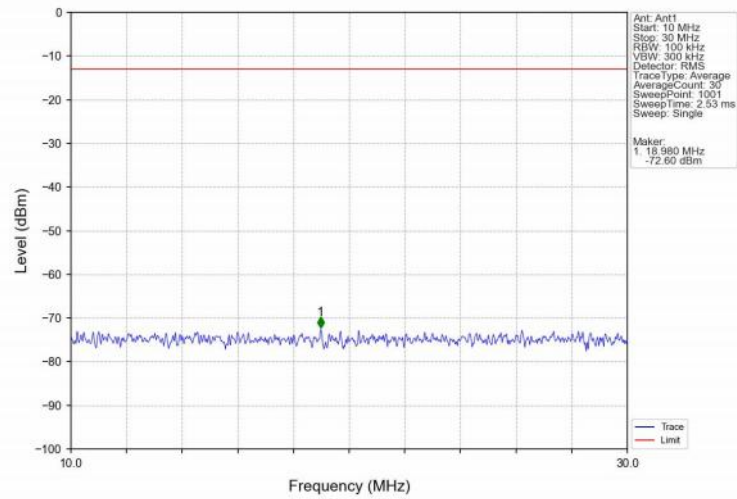
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



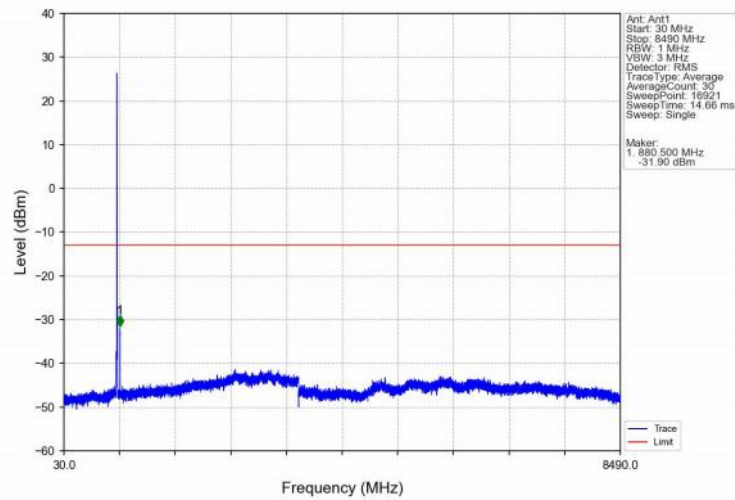
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



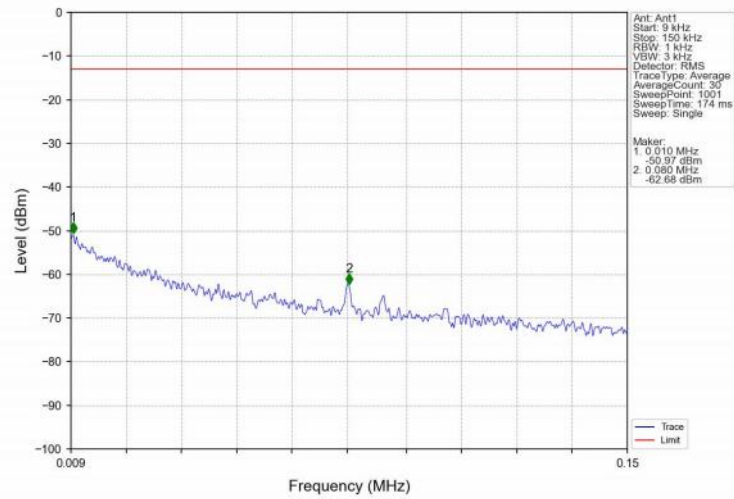
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



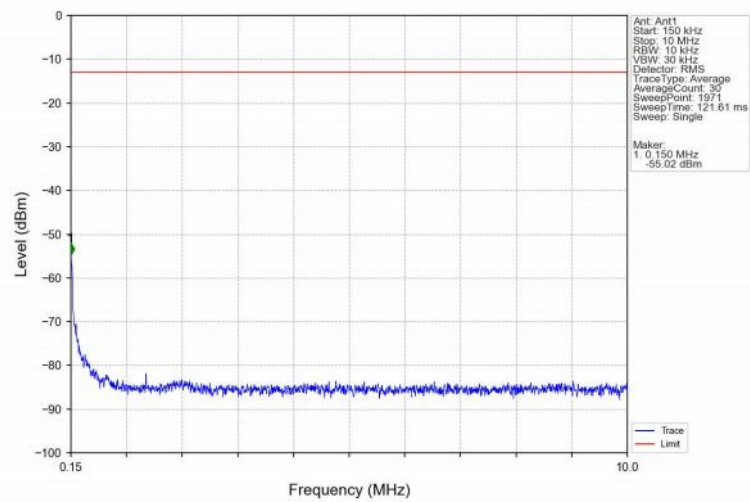
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



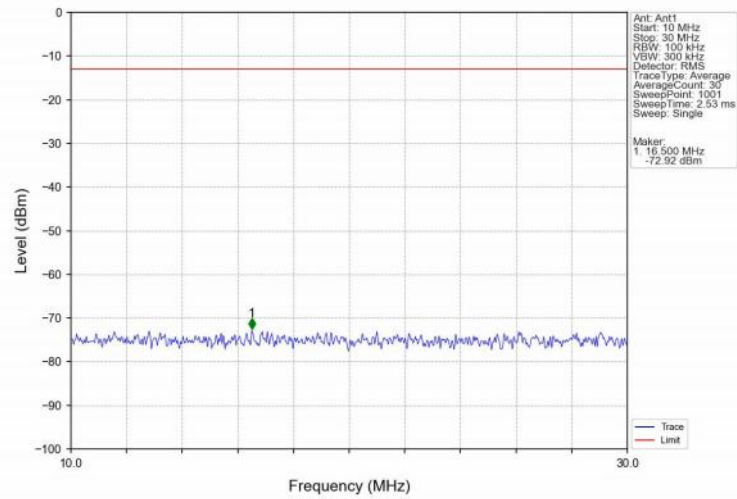
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



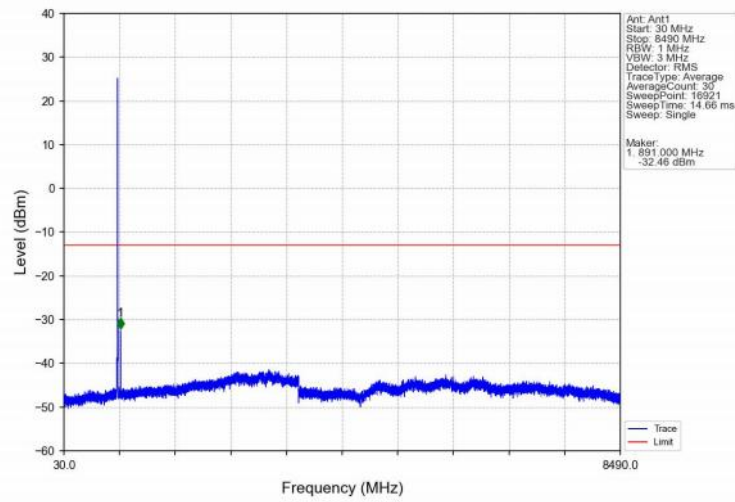
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



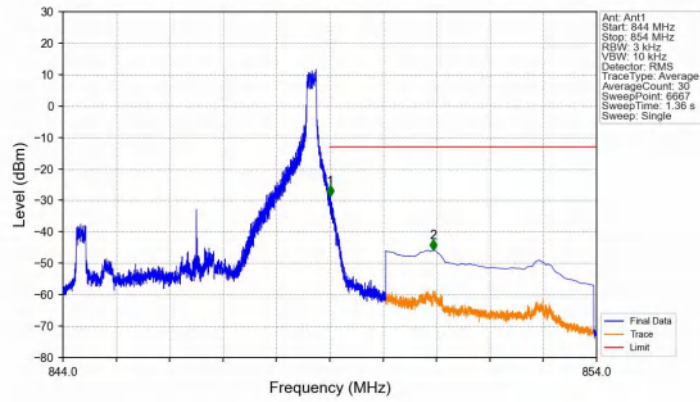
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



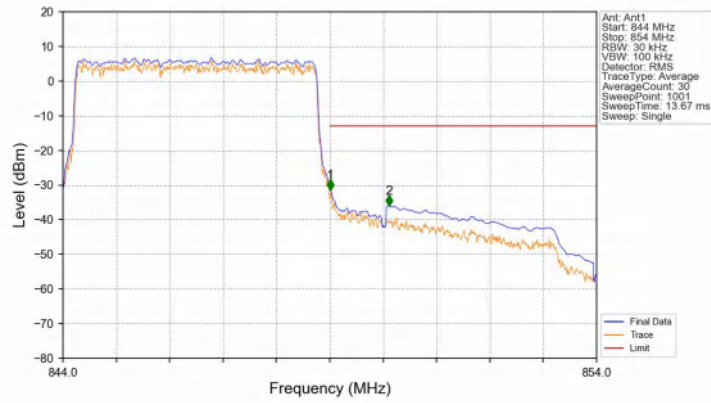
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



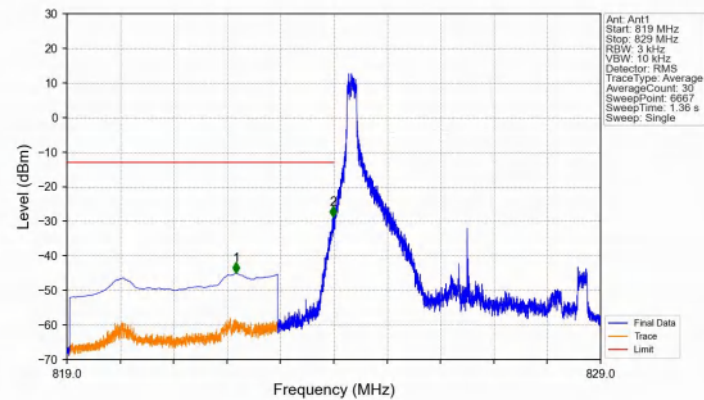
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_1\_24\_NTNV



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

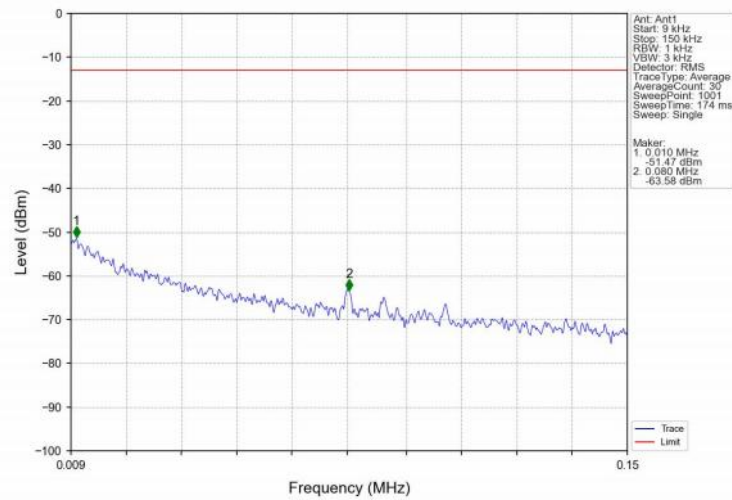


Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_1\_0\_NTNV

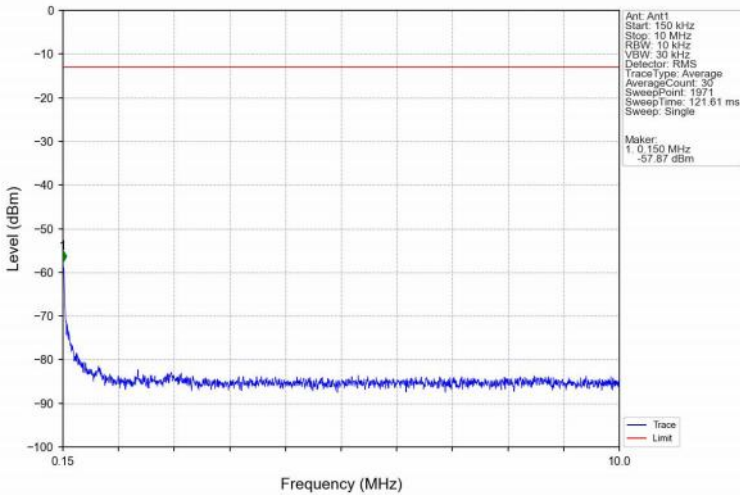


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.170    | -45.03      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.985    | -28.78      | -13         | Pass   |
| 824         | 829        | 0.003     | /      | /          | /          | /           | /           | /      |

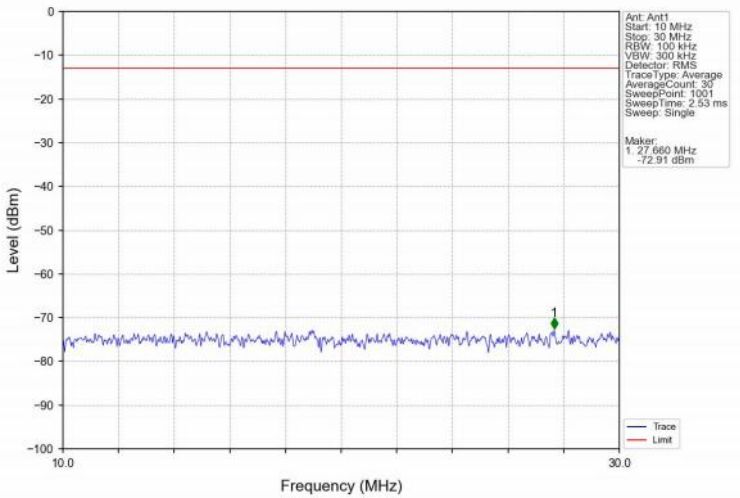
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_1\_0\_NTNV



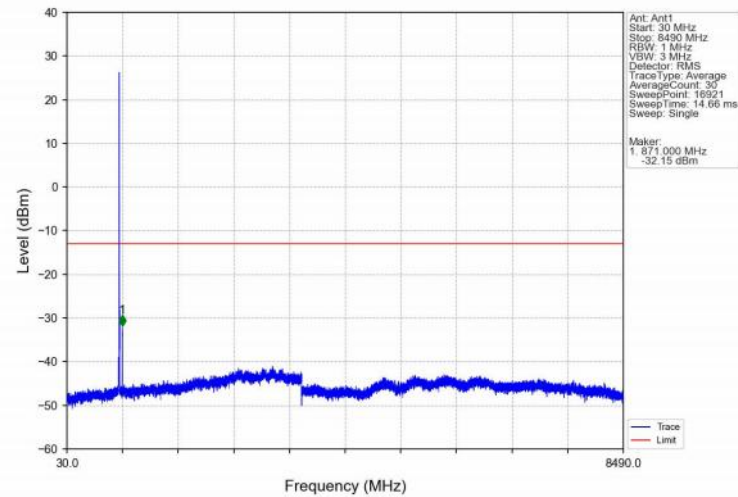
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_1\_0\_NTNV



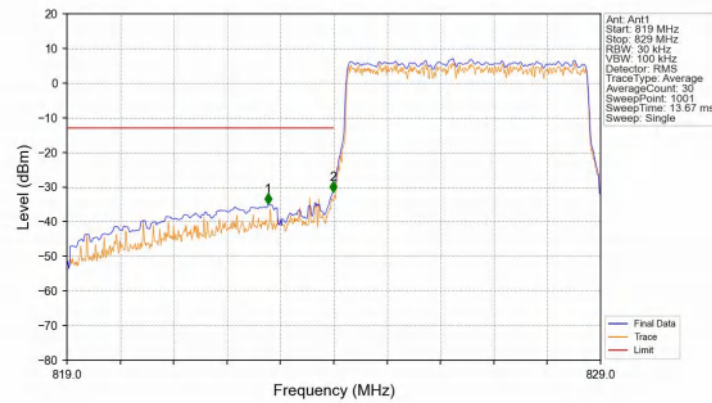
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_1\_0\_NTNV



Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_1\_0\_NTNV

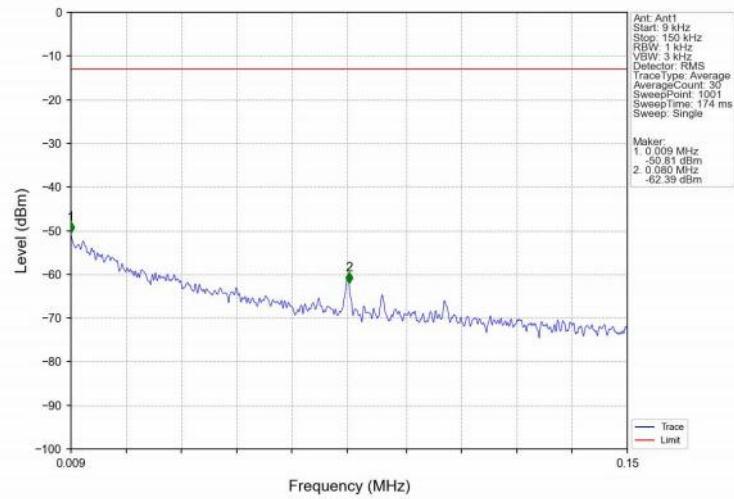


Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

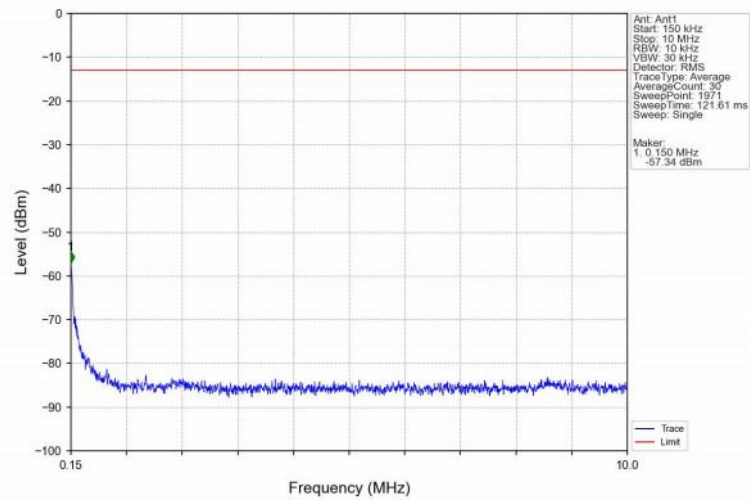


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.770    | -35.00      | -13         | Pass   |
| 823         | 824        | 0.05      | CHP    | 2          | 823.990    | -31.52      | -13         | Pass   |
| 824         | 829        | 0.05      | CHP    | /          | /          | /           | /           | /      |

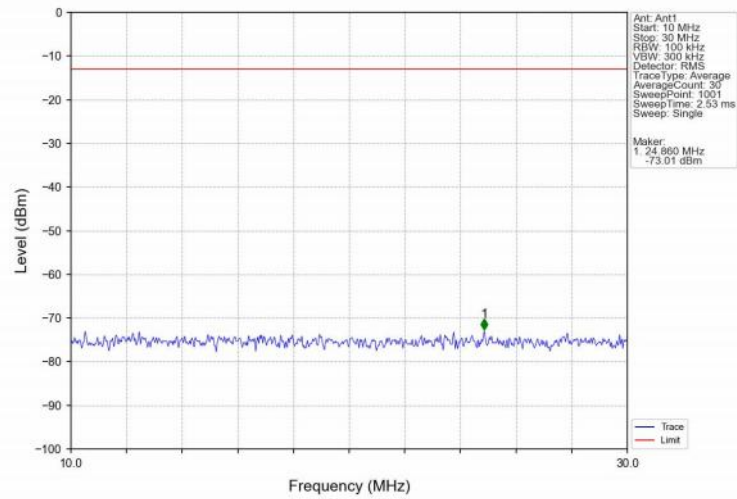
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



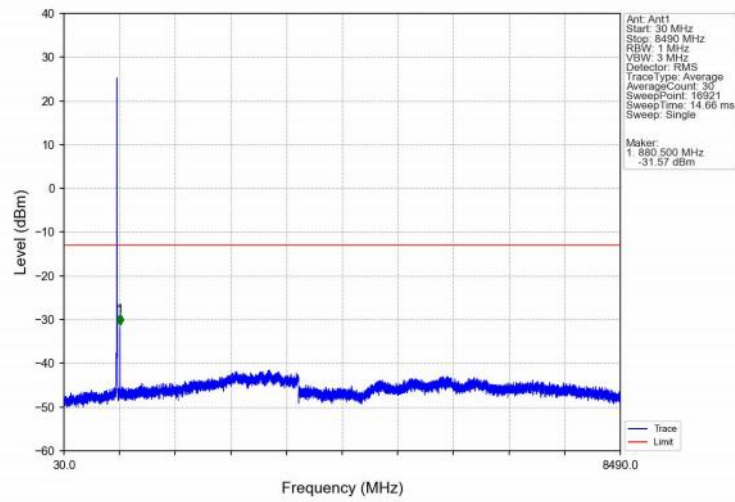
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



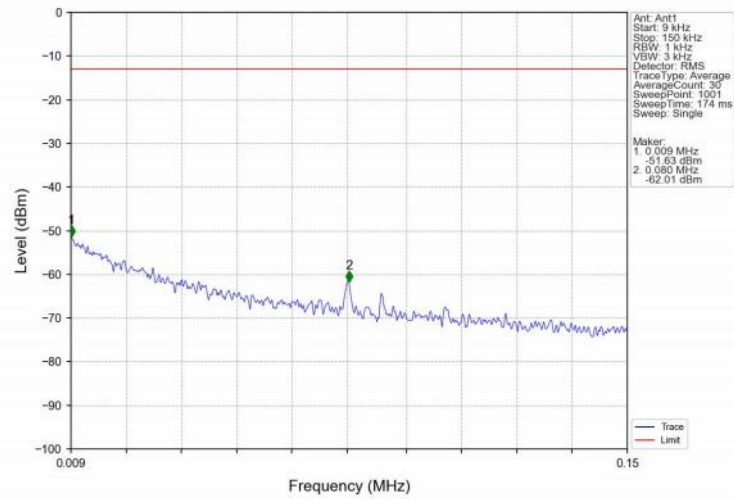
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



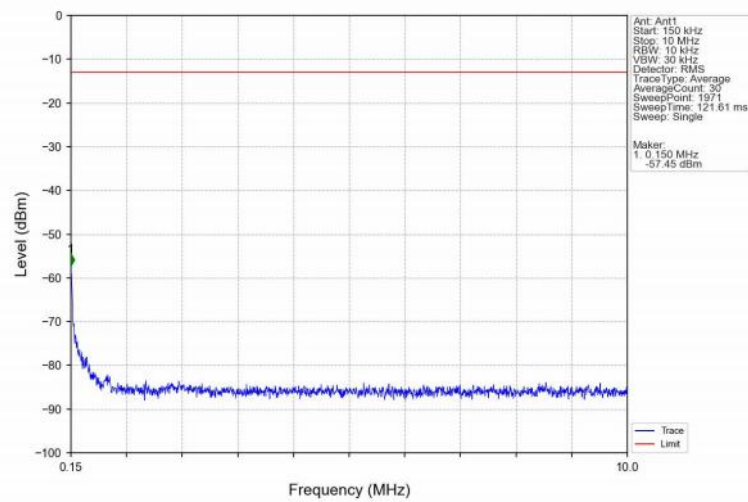
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



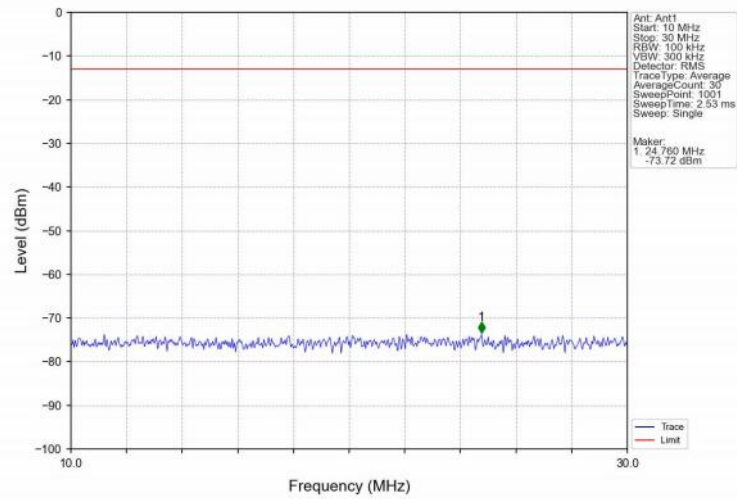
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



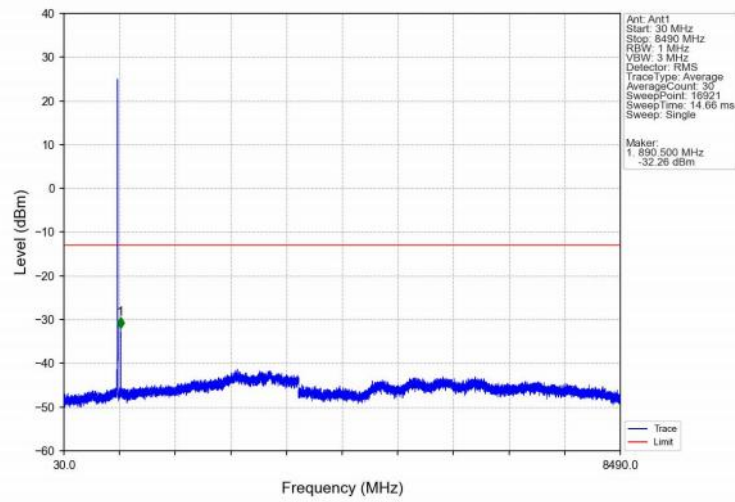
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



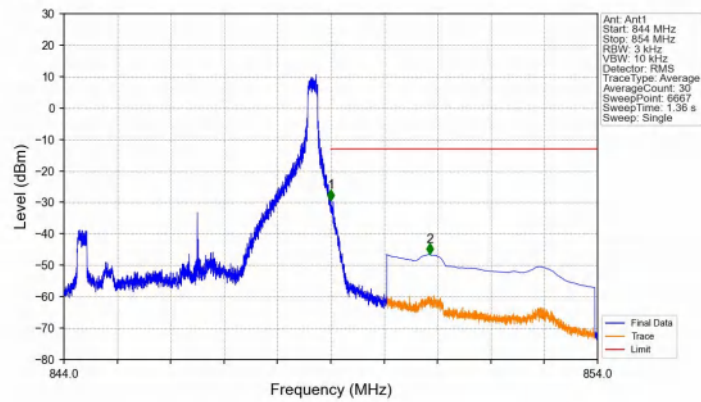
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_1\_0\_NTNV



Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_1\_0\_NTNV

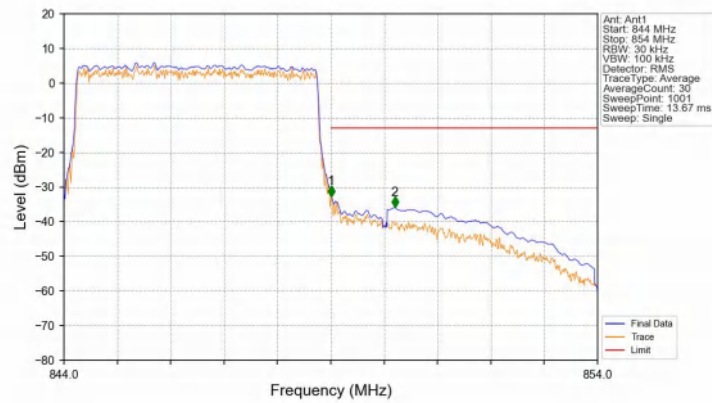


# Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_1\_24\_NTNV



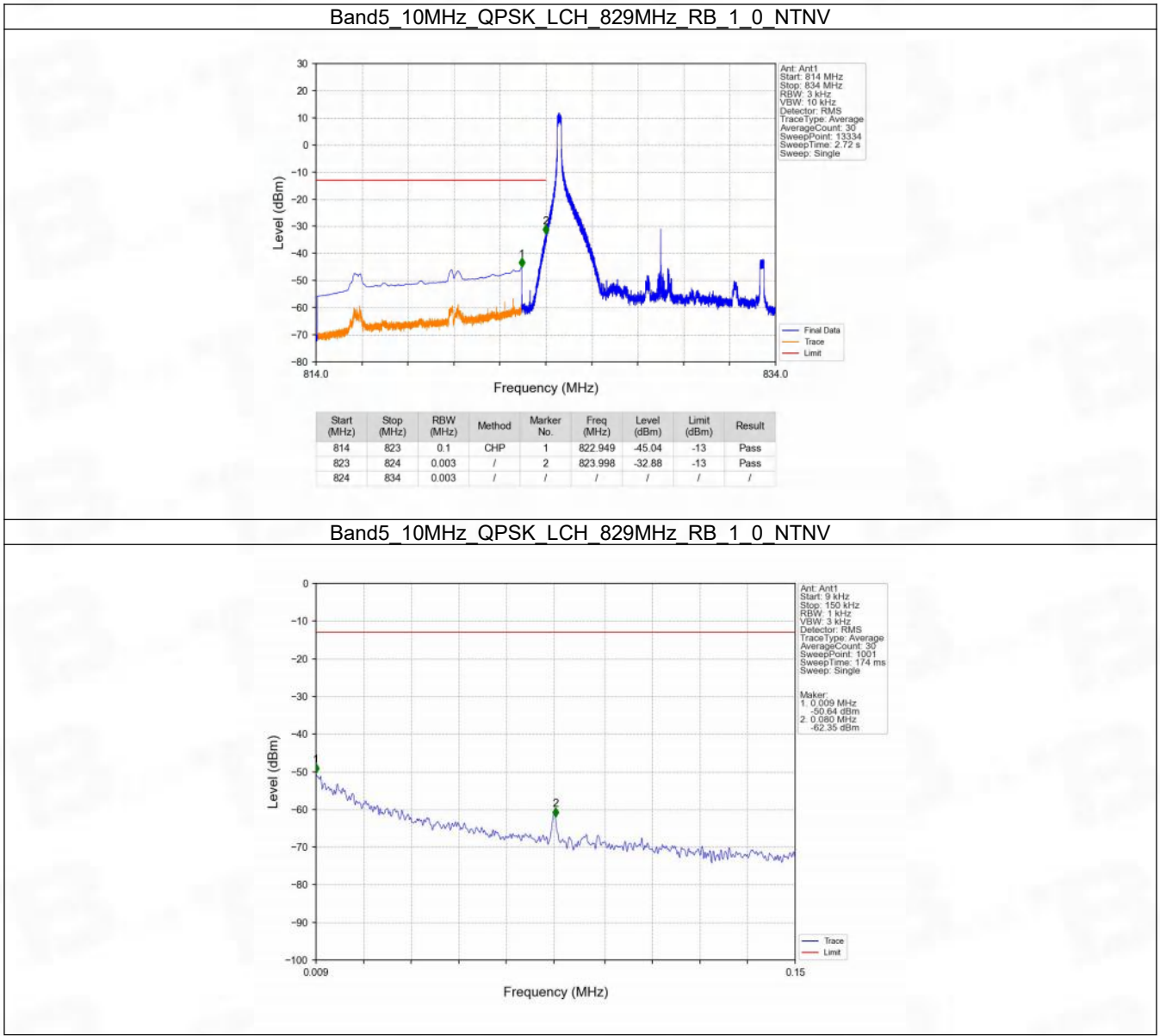
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.001    | -29.35      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.854    | -46.57      | -13         | Pass   |

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

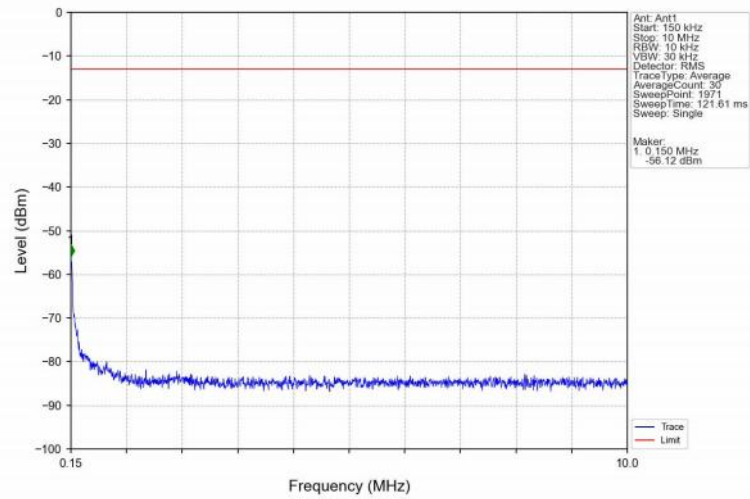


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.05      | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.05      | CHP    | 1          | 849.010    | -32.68      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.200    | -35.82      | -13         | Pass   |

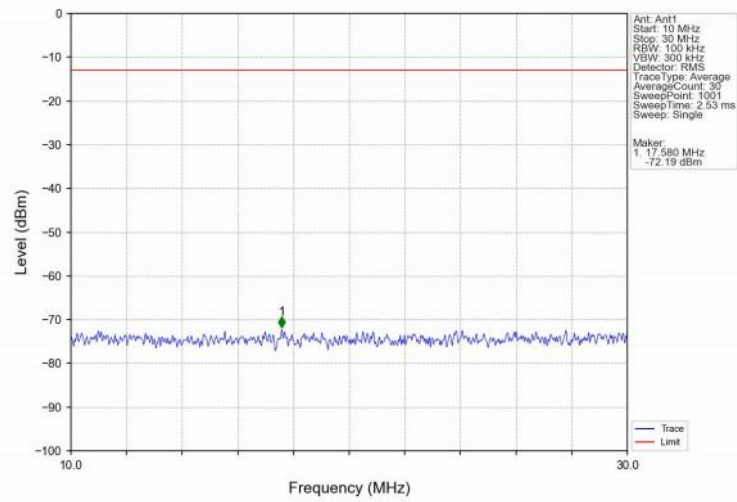
6.2.4 B5\_10MHz



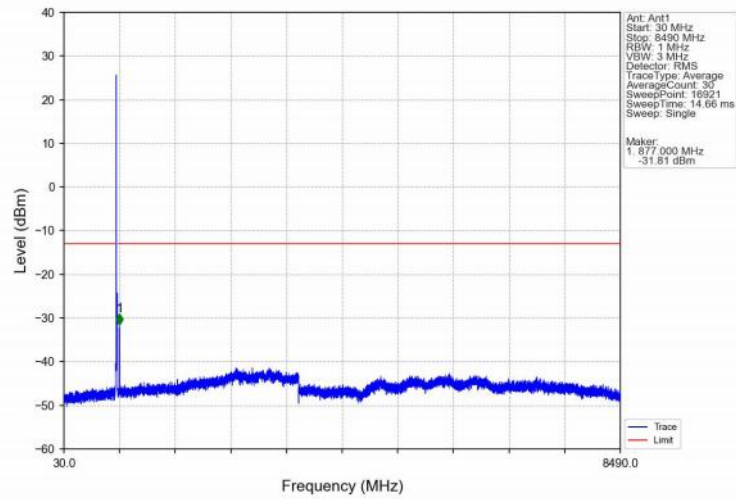
# Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_1\_0\_NTNV



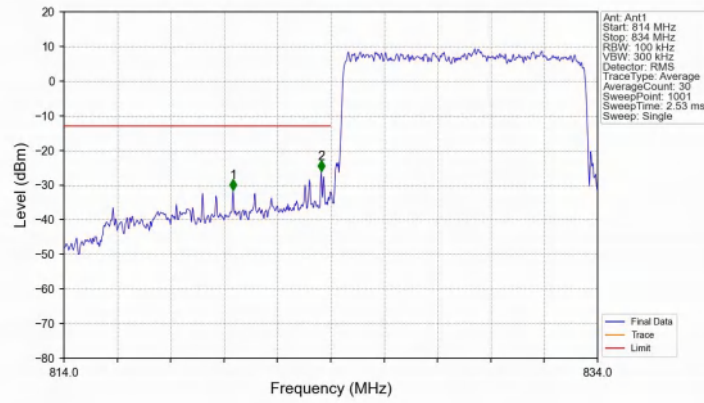
# Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_1\_0\_NTNV



# Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_1\_0\_NTNV

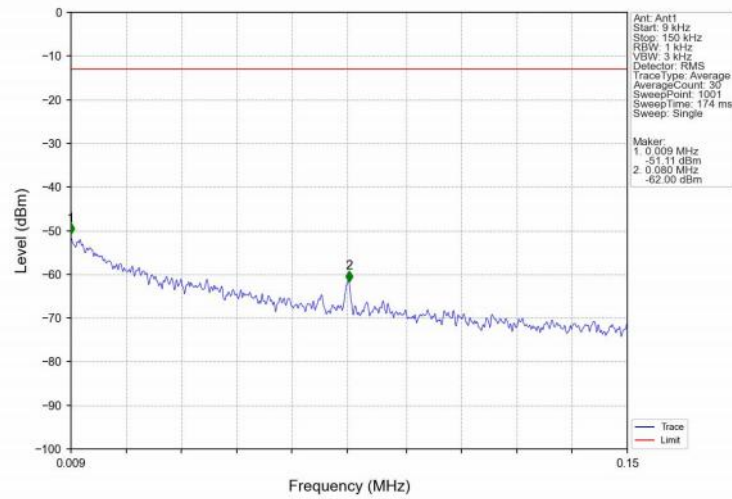


# Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV

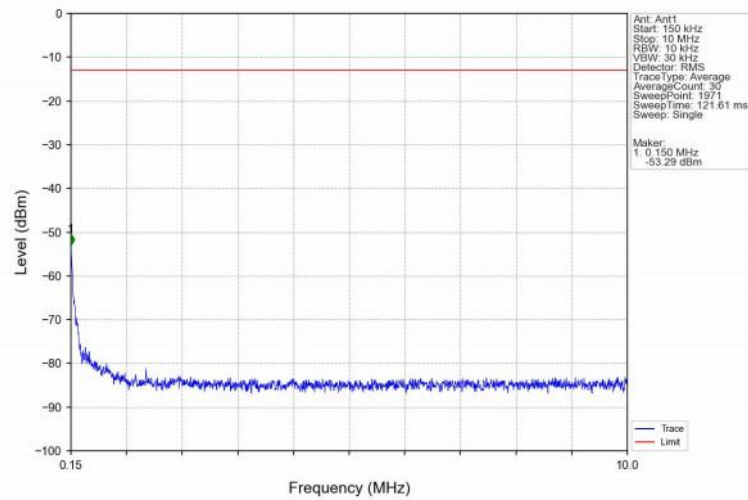


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 823        | 0.1       | /      | 1          | 820.340    | -31.54      | -13         | Pass   |
| 823         | 824        | 0.1       | /      | 2          | 823.640    | -26.11      | -13         | Pass   |
| 824         | 834        | 0.1       | /      | /          | /          | /           | /           | /      |

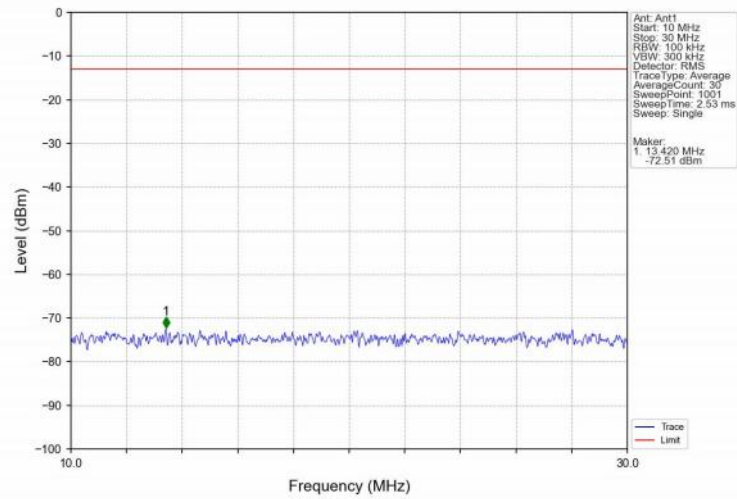
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



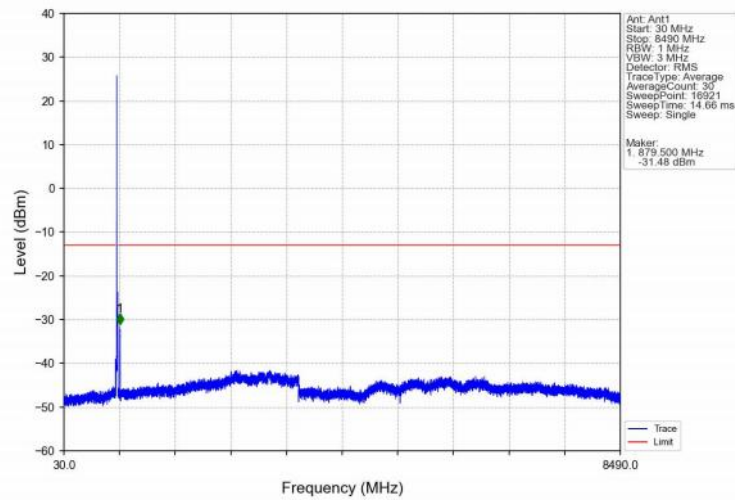
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



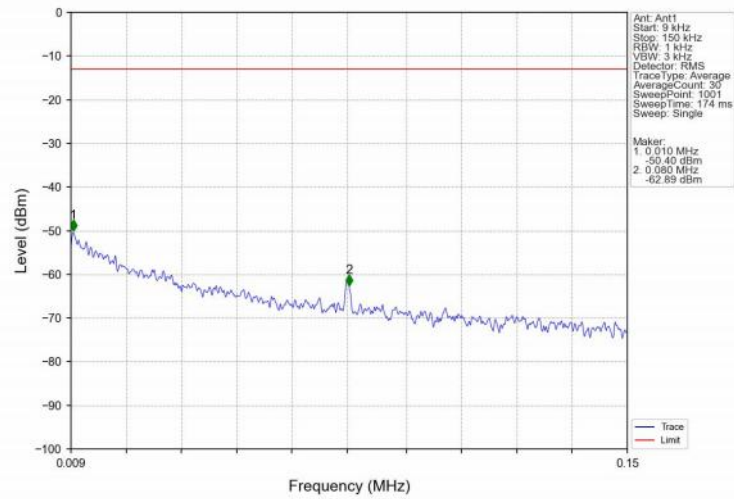
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



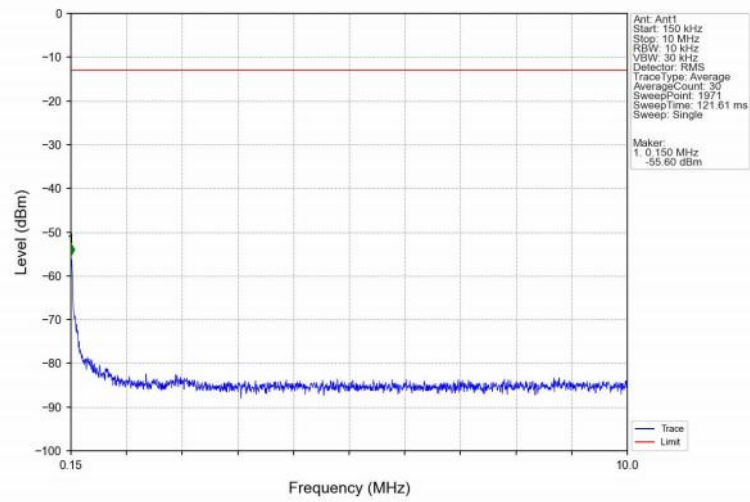
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



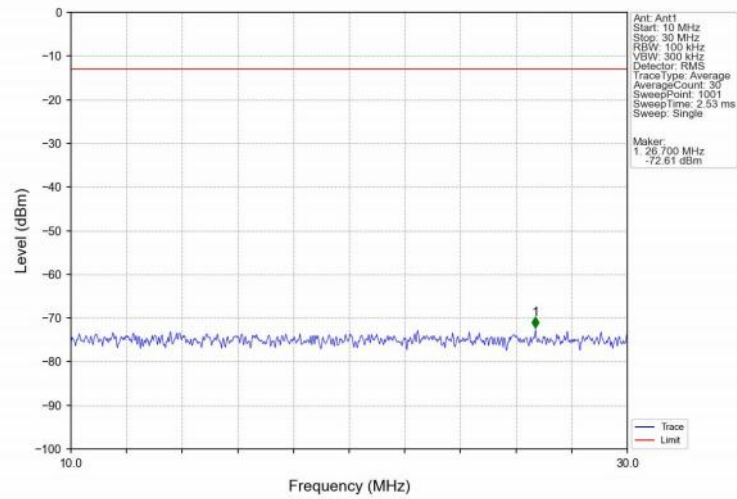
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_1\_0\_NTNV



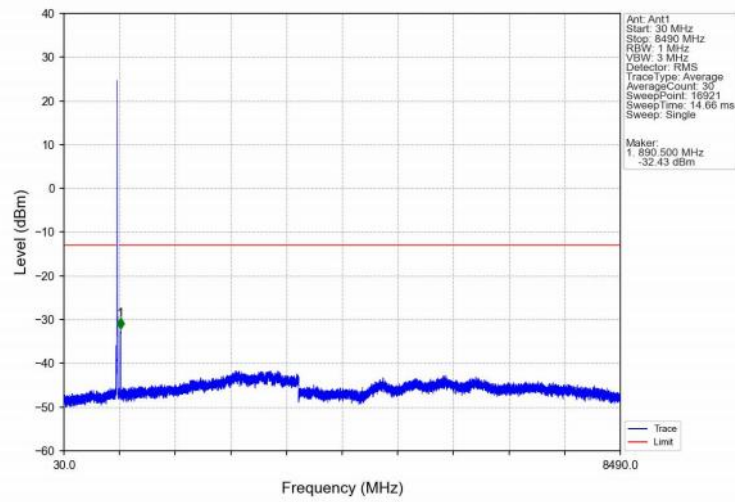
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_1\_0\_NTNV



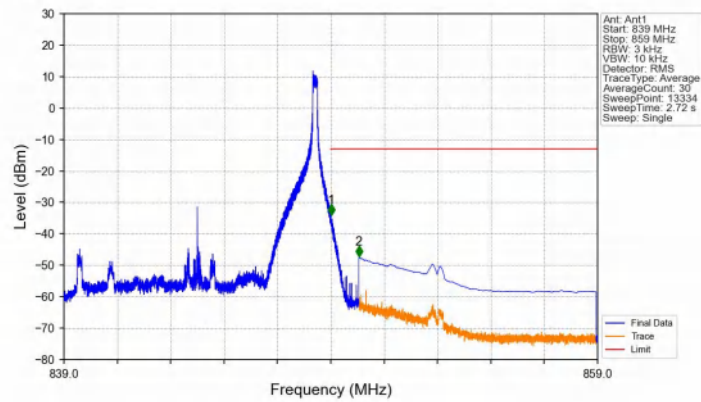
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_1\_0\_NTNV



# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_1\_0\_NTNV

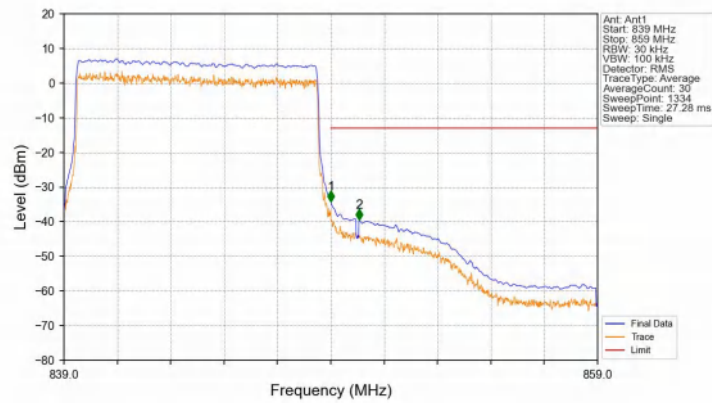


# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_1\_49\_NTNV



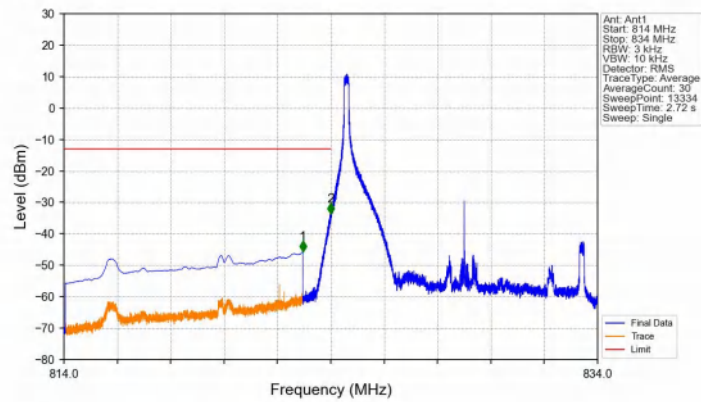
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 839         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.013    | -34.12      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.052    | -47.19      | -13         | Pass   |

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



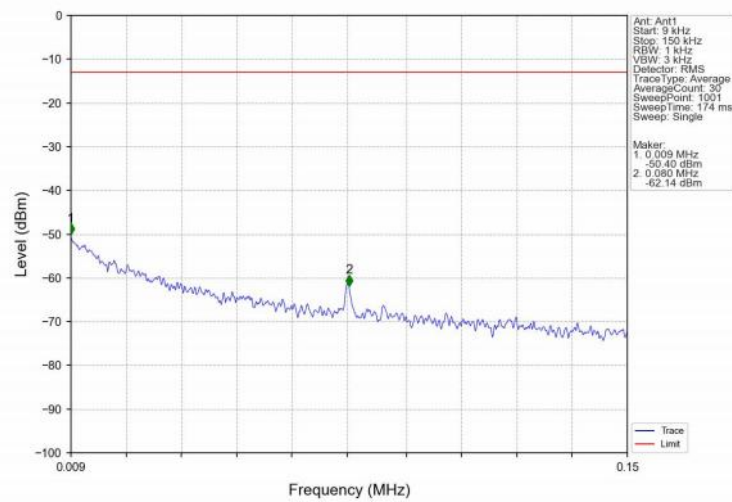
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 839         | 849        | 0.099     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.099     | CHP    | 1          | 849.008    | -34.21      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.058    | -39.59      | -13         | Pass   |

Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_1\_0\_NTNV

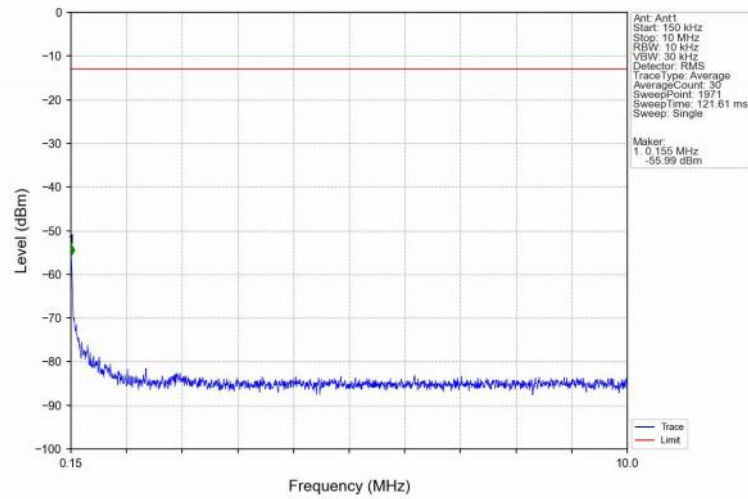


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 823        | 0.1       | CHP    | 1          | 822.949    | -45.73      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.999    | -33.66      | -13         | Pass   |
| 824         | 834        | 0.003     | /      | /          | /          | /           | /           | /      |

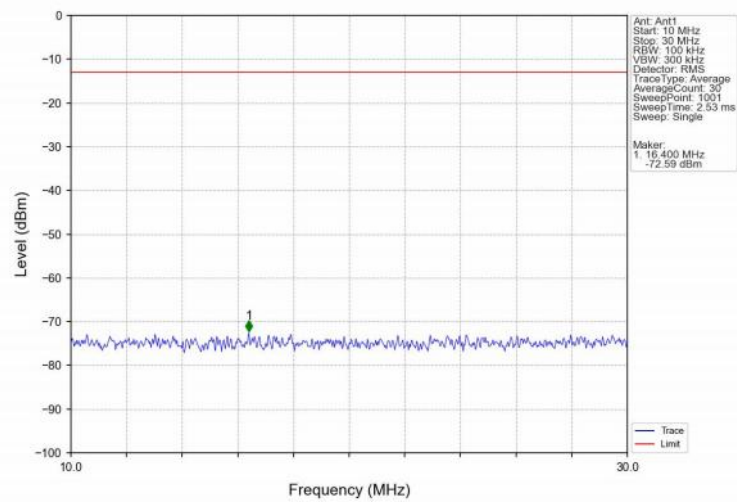
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_1\_0\_NTNV



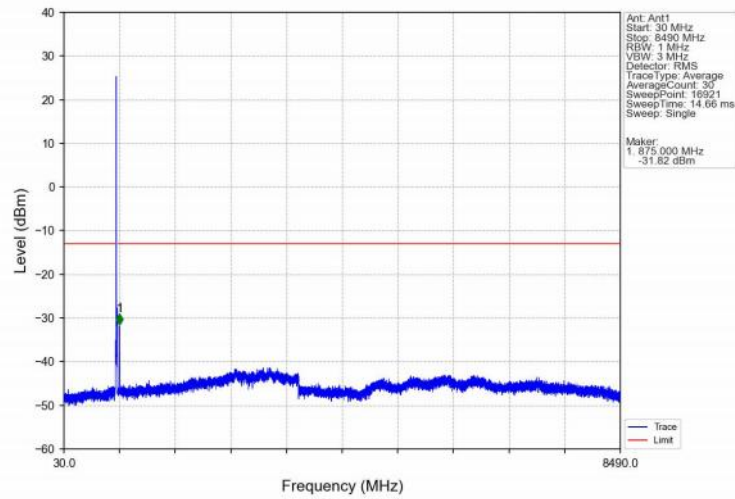
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_1\_0\_NTNV



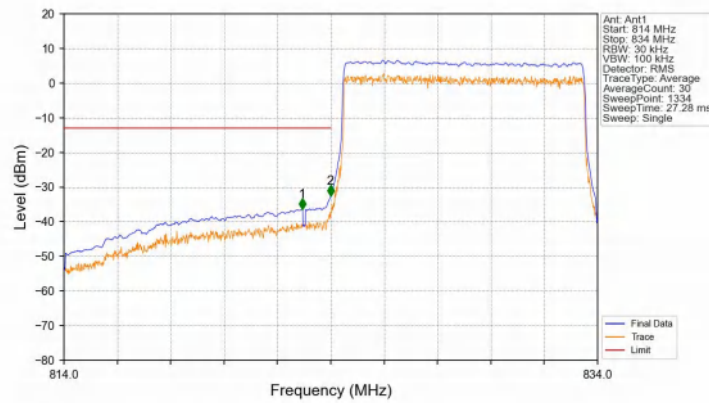
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_1\_0\_NTNV



Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_1\_0\_NTNV

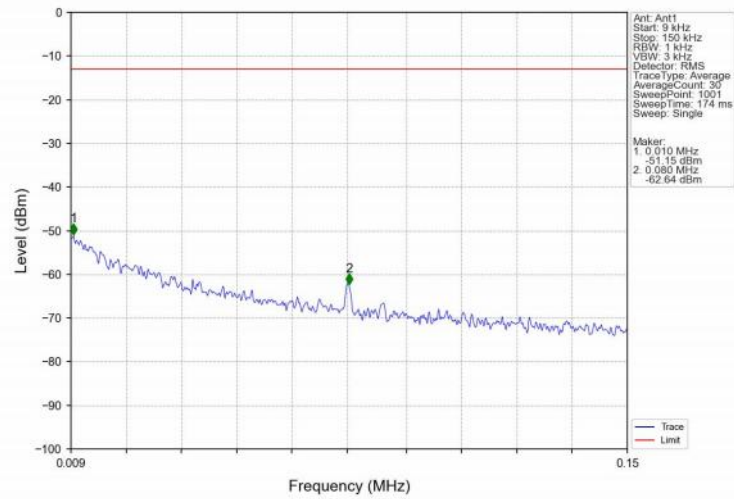


Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV

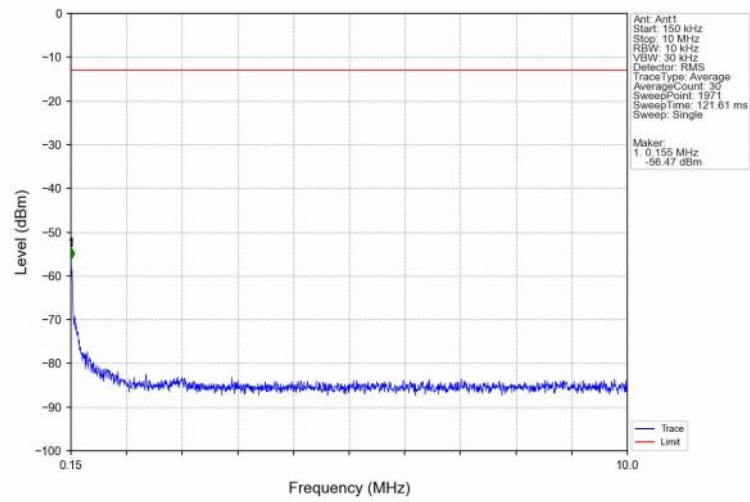


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 823        | 0.1       | CHP    | 1          | 822.927    | -36.38      | -13         | Pass   |
| 823         | 824        | 0.099     | CHP    | 2          | 823.992    | -32.65      | -13         | Pass   |
| 824         | 834        | 0.099     | CHP    | /          | /          | /           | /           | /      |

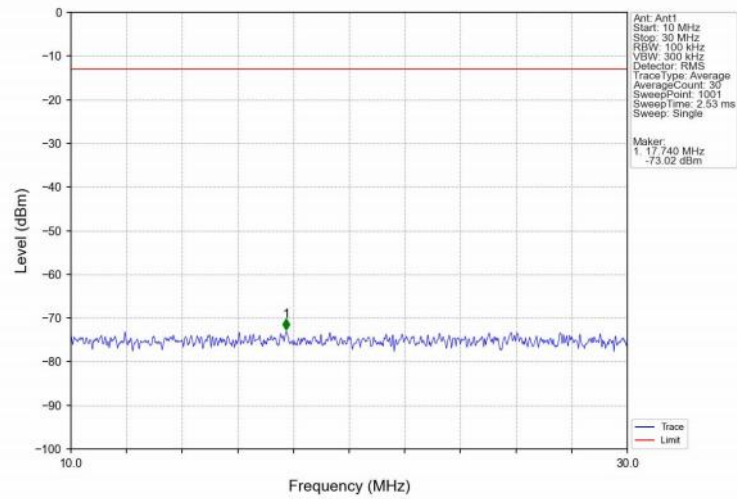
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



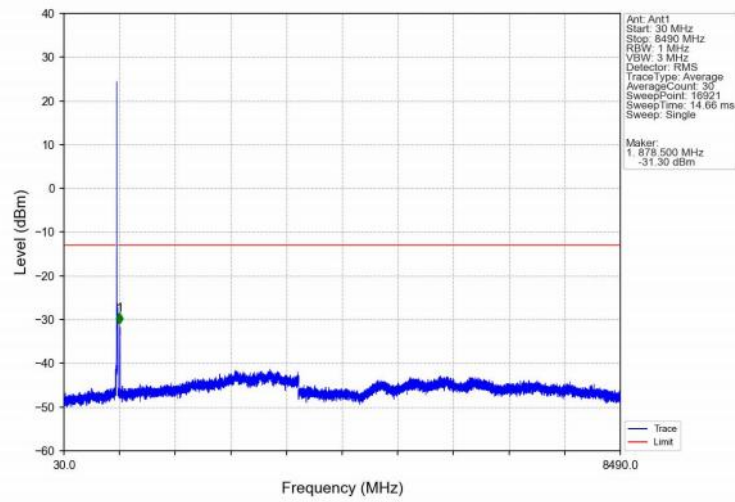
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



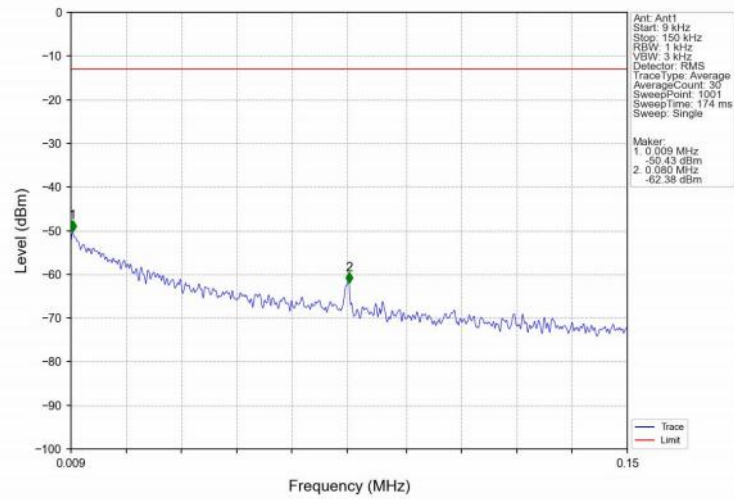
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



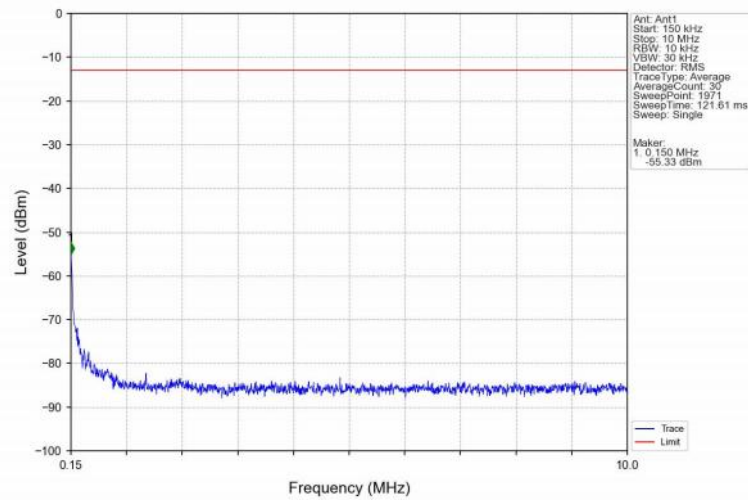
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



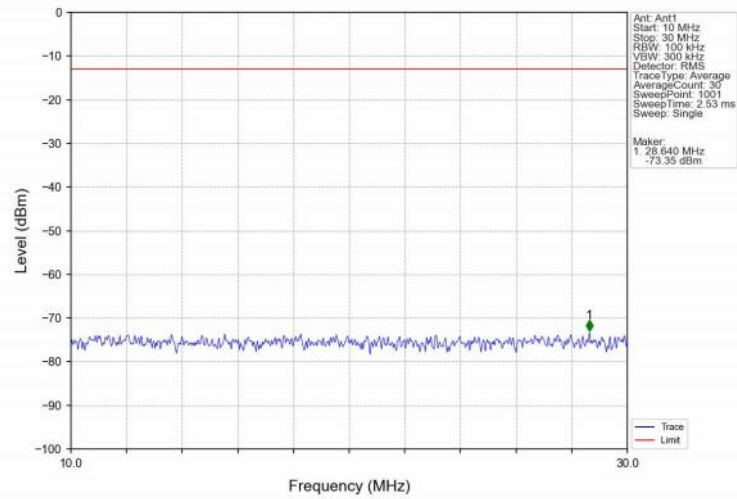
Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_1\_0\_NTNV



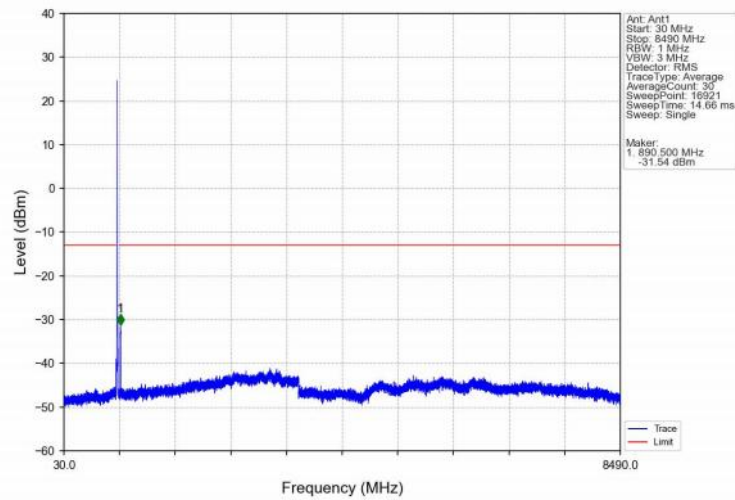
Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_1\_0\_NTNV



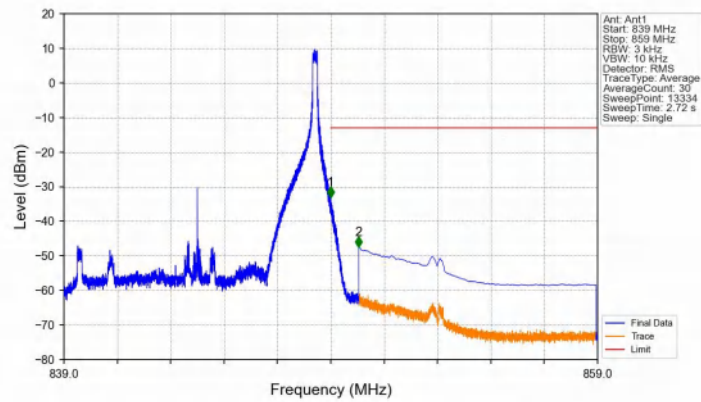
Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_1\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_1\_0\_NTNV

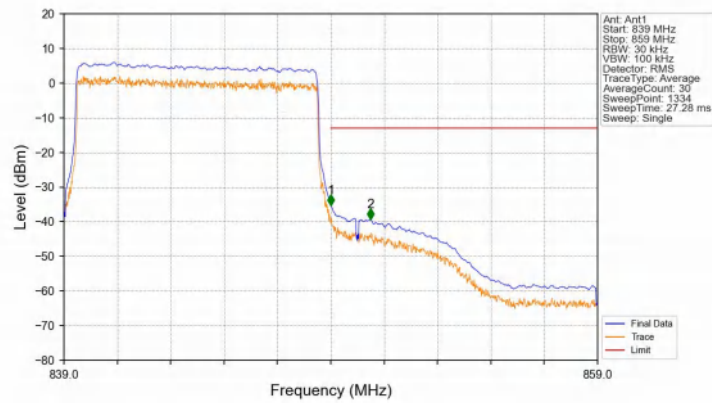


# Band5 10MHz 16QAM HCH 844MHz RB 1 49 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 839         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.001    | -33.10      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.051    | -47.49      | -13         | Pass   |

# Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 839         | 849        | 0.098     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.098     | CHP    | 1          | 849.008    | -35.31      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.493    | -39.29      | -13         | Pass   |

## 7. Form731

### 7.1 Test Result

#### 7.1.1 Form731\_Power

| Band | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 5    | 1.4 | 824.7      | 848.3     | 0.8260        | 0.0133 | ppm    | 1M12G7D             | 22H        | 29.17           |
| 5    | 1.4 | 824.7      | 848.3     | 0.6761        | 0.0257 | ppm    | 1M11W7D             | 22H        | 28.30           |
| 5    | 3   | 825.5      | 847.5     | 0.8091        | 0.0124 | ppm    | 2M73G7D             | 22H        | 29.08           |
| 5    | 3   | 825.5      | 847.5     | 0.6683        | 0.0115 | ppm    | 2M72W7D             | 22H        | 28.25           |
| 5    | 5   | 826.5      | 846.5     | 0.7962        | 0.0105 | ppm    | 4M55G7D             | 22H        | 29.01           |
| 5    | 5   | 826.5      | 846.5     | 0.6745        | 0.0128 | ppm    | 4M56W7D             | 22H        | 28.29           |
| 5    | 10  | 829        | 844       | 0.7834        | 0.0131 | ppm    | 9M08G7D             | 22H        | 28.94           |
| 5    | 10  | 829        | 844       | 0.6324        | 0.0108 | ppm    | 9M06W7D             | 22H        | 28.01           |

#### 7.1.2 Form731\_ERP

| Band | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 5    | 1.4 | 824.7      | 848.3     | 0.3589        | 0.0133 | ppm    | 1M12G7D             | 22H        | 25.55           |
| 5    | 1.4 | 824.7      | 848.3     | 0.2938        | 0.0257 | ppm    | 1M11W7D             | 22H        | 24.68           |
| 5    | 3   | 825.5      | 847.5     | 0.3516        | 0.0124 | ppm    | 2M73G7D             | 22H        | 25.46           |
| 5    | 3   | 825.5      | 847.5     | 0.2904        | 0.0115 | ppm    | 2M72W7D             | 22H        | 24.63           |
| 5    | 5   | 826.5      | 846.5     | 0.3459        | 0.0105 | ppm    | 4M55G7D             | 22H        | 25.39           |
| 5    | 5   | 826.5      | 846.5     | 0.2931        | 0.0128 | ppm    | 4M56W7D             | 22H        | 24.67           |
| 5    | 10  | 829        | 844       | 0.3404        | 0.0131 | ppm    | 9M08G7D             | 22H        | 25.32           |
| 5    | 10  | 829        | 844       | 0.2748        | 0.0108 | ppm    | 9M06W7D             | 22H        | 24.39           |