

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

### 1.1 Test Result

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

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |           |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                               | 824.7           | 1             | 0      | 23.23                 | -1.24      | 19.84     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.21                 | -1.24      | 19.82     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 22.94                 | -1.24      | 19.55     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.06                 | -1.24      | 19.67     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.04                 | -1.24      | 19.65     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 22.86                 | -1.24      | 19.47     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.05                 | -1.24      | 18.66     | <=38.45 | Pass    |
|                                    | 836.5           | 1             | 0      | 23.15                 | -1.24      | 19.76     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.18                 | -1.24      | 19.79     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.15                 | -1.24      | 19.76     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.10                 | -1.24      | 19.71     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.17                 | -1.24      | 19.78     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.07                 | -1.24      | 19.68     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.06                 | -1.24      | 18.67     | <=38.45 | Pass    |
|                                    | 848.3           | 1             | 0      | 23.22                 | -1.24      | 19.83     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.34                 | -1.24      | 19.95     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.20                 | -1.24      | 19.81     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.04                 | -1.24      | 19.65     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.08                 | -1.24      | 19.69     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.04                 | -1.24      | 19.65     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.05                 | -1.24      | 18.66     | <=38.45 | Pass    |
| 16QAM                              | 824.7           | 1             | 0      | 21.83                 | -1.24      | 18.44     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 21.95                 | -1.24      | 18.56     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 21.76                 | -1.24      | 18.37     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.05                 | -1.24      | 18.66     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.08                 | -1.24      | 18.69     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 21.92                 | -1.24      | 18.53     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 20.75                 | -1.24      | 17.36     | <=38.45 | Pass    |
|                                    | 836.5           | 1             | 0      | 21.66                 | -1.24      | 18.27     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 21.76                 | -1.24      | 18.37     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 21.57                 | -1.24      | 18.18     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.09                 | -1.24      | 18.70     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.21                 | -1.24      | 18.82     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 22.14                 | -1.24      | 18.75     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 20.99                 | -1.24      | 17.60     | <=38.45 | Pass    |
|                                    | 848.3           | 1             | 0      | 22.01                 | -1.24      | 18.62     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 21.88                 | -1.24      | 18.49     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 21.84                 | -1.24      | 18.45     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 21.95                 | -1.24      | 18.56     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 21.95                 | -1.24      | 18.56     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 21.82                 | -1.24      | 18.43     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 20.60                 | -1.24      | 17.21     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.2 B5\_3MHz\_ERP

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 825.5           | 1             | 0      | 23.23                 | -1.24      | 19.84     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 23.37                 | -1.24      | 19.98     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 22.99                 | -1.24      | 19.60     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 22.19                 | -1.24      | 18.80     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 22.07                 | -1.24      | 18.68     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 21.99                 | -1.24      | 18.60     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 22.04                 | -1.24      | 18.65     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 23.18                 | -1.24      | 19.79     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 23.40                 | -1.24      | 20.01     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 23.24                 | -1.24      | 19.85     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 22.15                 | -1.24      | 18.76     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 22.22                 | -1.24      | 18.83     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 22.12                 | -1.24      | 18.73     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 22.14                 | -1.24      | 18.75     | <=38.45 | Pass    |
|                                  | 847.5           | 1             | 0      | 23.20                 | -1.24      | 19.81     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 23.31                 | -1.24      | 19.92     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 23.16                 | -1.24      | 19.77     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 22.11                 | -1.24      | 18.72     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 22.17                 | -1.24      | 18.78     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 22.18                 | -1.24      | 18.79     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 22.09                 | -1.24      | 18.70     | <=38.45 | Pass    |
| 16QAM                            | 825.5           | 1             | 0      | 21.80                 | -1.24      | 18.41     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 21.79                 | -1.24      | 18.40     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 21.23                 | -1.24      | 17.84     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 20.75                 | -1.24      | 17.36     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 20.76                 | -1.24      | 17.37     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 20.69                 | -1.24      | 17.30     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 20.96                 | -1.24      | 17.57     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 21.90                 | -1.24      | 18.51     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 21.86                 | -1.24      | 18.47     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 21.57                 | -1.24      | 18.18     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 20.75                 | -1.24      | 17.36     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 20.92                 | -1.24      | 17.53     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 20.85                 | -1.24      | 17.46     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 21.01                 | -1.24      | 17.62     | <=38.45 | Pass    |
|                                  | 847.5           | 1             | 0      | 21.94                 | -1.24      | 18.55     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 21.84                 | -1.24      | 18.45     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 21.74                 | -1.24      | 18.35     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 20.68                 | -1.24      | 17.29     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 20.85                 | -1.24      | 17.46     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 20.77                 | -1.24      | 17.38     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 20.78                 | -1.24      | 17.39     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.3 B5\_5MHz\_ERP

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 826.5           | 1             | 0      | 23.01                 | -1.24      | 19.62     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.29                 | -1.24      | 19.90     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.17                 | -1.24      | 19.78     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.00                 | -1.24      | 18.61     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.06                 | -1.24      | 18.67     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.05                 | -1.24      | 18.66     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.15                 | -1.24      | 18.76     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 22.94                 | -1.24      | 19.55     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.37                 | -1.24      | 19.98     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 22.98                 | -1.24      | 19.59     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.09                 | -1.24      | 18.70     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.15                 | -1.24      | 18.76     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.06                 | -1.24      | 18.67     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.12                 | -1.24      | 18.73     | <=38.45 | Pass    |
|                                  | 846.5           | 1             | 0      | 23.00                 | -1.24      | 19.61     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.31                 | -1.24      | 19.92     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.07                 | -1.24      | 19.68     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.12                 | -1.24      | 18.73     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.17                 | -1.24      | 18.78     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.10                 | -1.24      | 18.71     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.07                 | -1.24      | 18.68     | <=38.45 | Pass    |
| 16QAM                            | 826.5           | 1             | 0      | 21.73                 | -1.24      | 18.34     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.64                 | -1.24      | 18.25     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 21.78                 | -1.24      | 18.39     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 21.01                 | -1.24      | 17.62     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 21.09                 | -1.24      | 17.70     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.00                 | -1.24      | 17.61     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 21.27                 | -1.24      | 17.88     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 21.87                 | -1.24      | 18.48     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.50                 | -1.24      | 18.11     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 21.58                 | -1.24      | 18.19     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 20.98                 | -1.24      | 17.59     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 21.07                 | -1.24      | 17.68     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 20.88                 | -1.24      | 17.49     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 20.89                 | -1.24      | 17.50     | <=38.45 | Pass    |
|                                  | 846.5           | 1             | 0      | 21.72                 | -1.24      | 18.33     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.72                 | -1.24      | 18.33     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 21.48                 | -1.24      | 18.09     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 20.90                 | -1.24      | 17.51     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 21.04                 | -1.24      | 17.65     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.05                 | -1.24      | 17.66     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 20.91                 | -1.24      | 17.52     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.4 B5\_10MHz\_ERP

| Band: 5 / Bandwidth: 10MHz / NTV             |                 |               |        |                       |            |           |         |         |
|----------------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                                   | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                              |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                                         | 829             | 1             | 0      | 23.23                 | -1.24      | 19.84     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 23.34                 | -1.24      | 19.95     | <=38.45 | Pass    |
|                                              |                 |               | 49     | 23.15                 | -1.24      | 19.76     | <=38.45 | Pass    |
|                                              |                 | 25            | 0      | 21.98                 | -1.24      | 18.59     | <=38.45 | Pass    |
|                                              |                 |               | 13     | 22.04                 | -1.24      | 18.65     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 22.26                 | -1.24      | 18.87     | <=38.45 | Pass    |
|                                              |                 | 50            | 0      | 22.12                 | -1.24      | 18.73     | <=38.45 | Pass    |
|                                              | 836.5           | 1             | 0      | 22.97                 | -1.24      | 19.58     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 23.54                 | -1.24      | 20.15     | <=38.45 | Pass    |
|                                              |                 |               | 49     | 23.07                 | -1.24      | 19.68     | <=38.45 | Pass    |
|                                              |                 | 25            | 0      | 22.19                 | -1.24      | 18.80     | <=38.45 | Pass    |
|                                              |                 |               | 13     | 22.17                 | -1.24      | 18.78     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 22.10                 | -1.24      | 18.71     | <=38.45 | Pass    |
|                                              |                 | 50            | 0      | 22.18                 | -1.24      | 18.79     | <=38.45 | Pass    |
|                                              | 844             | 1             | 0      | 23.11                 | -1.24      | 19.72     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 23.36                 | -1.24      | 19.97     | <=38.45 | Pass    |
|                                              |                 |               | 49     | 23.09                 | -1.24      | 19.70     | <=38.45 | Pass    |
|                                              |                 | 25            | 0      | 22.13                 | -1.24      | 18.74     | <=38.45 | Pass    |
|                                              |                 |               | 13     | 22.17                 | -1.24      | 18.78     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 22.05                 | -1.24      | 18.66     | <=38.45 | Pass    |
|                                              |                 | 50            | 0      | 22.00                 | -1.24      | 18.61     | <=38.45 | Pass    |
| 16QAM                                        | 829             | 1             | 0      | 22.13                 | -1.24      | 18.74     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 21.99                 | -1.24      | 18.60     | <=38.45 | Pass    |
|                                              |                 |               | 49     | 21.93                 | -1.24      | 18.54     | <=38.45 | Pass    |
|                                              |                 | 25            | 0      | 20.97                 | -1.24      | 17.58     | <=38.45 | Pass    |
|                                              |                 |               | 13     | 21.07                 | -1.24      | 17.68     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 20.96                 | -1.24      | 17.57     | <=38.45 | Pass    |
|                                              |                 | 50            | 0      | 21.03                 | -1.24      | 17.64     | <=38.45 | Pass    |
|                                              | 836.5           | 1             | 0      | 21.87                 | -1.24      | 18.48     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 21.73                 | -1.24      | 18.34     | <=38.45 | Pass    |
|                                              |                 |               | 49     | 21.56                 | -1.24      | 18.17     | <=38.45 | Pass    |
|                                              |                 | 25            | 0      | 20.94                 | -1.24      | 17.55     | <=38.45 | Pass    |
|                                              |                 |               | 13     | 21.03                 | -1.24      | 17.64     | <=38.45 | Pass    |
|                                              | 25              |               | 21.15  | -1.24                 | 17.76      | <=38.45   | Pass    |         |
|                                              | 50              | 0             | 21.23  | -1.24                 | 17.84      | <=38.45   | Pass    |         |
|                                              | 844             | 1             | 0      | 21.66                 | -1.24      | 18.27     | <=38.45 | Pass    |
|                                              |                 |               | 25     | 22.59                 | -1.24      | 19.20     | <=38.45 | Pass    |
|                                              |                 |               | 49     | 21.67                 | -1.24      | 18.28     | <=38.45 | Pass    |
|                                              |                 | 25            | 0      | 21.06                 | -1.24      | 17.67     | <=38.45 | Pass    |
| 13                                           |                 |               | 21.10  | -1.24                 | 17.71      | <=38.45   | Pass    |         |
| 25                                           |                 |               | 20.89  | -1.24                 | 17.50      | <=38.45   | Pass    |         |
| 50                                           |                 | 0             | 20.91  | -1.24                 | 17.52      | <=38.45   | Pass    |         |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |                 |               |        |                       |            |           |         |         |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz |                 |               |        |            |         |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                       | 836.5           | 50            | 0      | 20         | LV      | -1.400           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | 0.900            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | 1.700            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | 1.300            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | -1.200           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | 1.300            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -0.200           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | -0.200           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | 1.500            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV      | -0.800           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | NV      | 0.400            | 0.0005                | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band5\_OBW

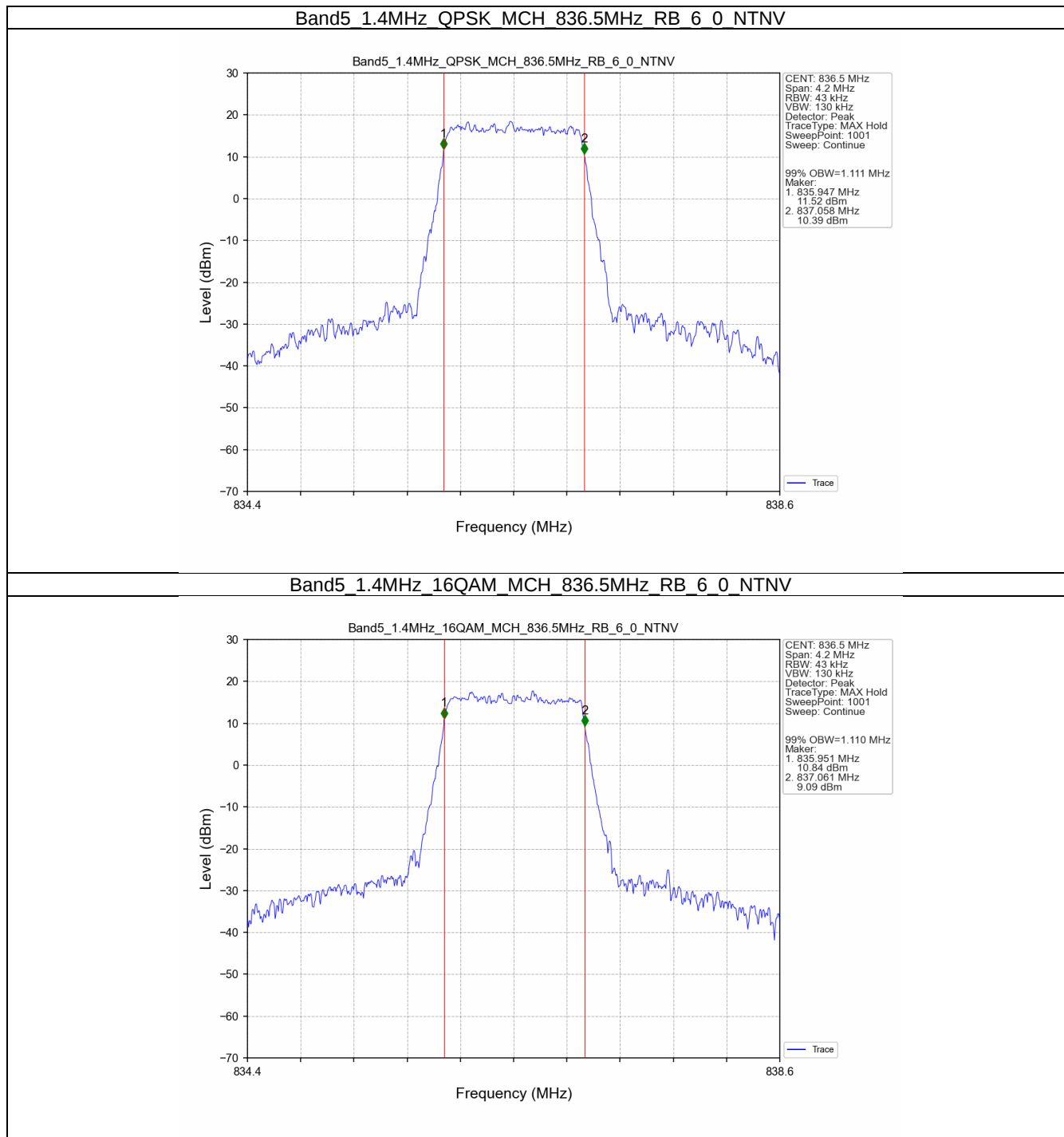
| Band: 5 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 836.5           | 6             | 0      | 1.111                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 6             | 0      | 1.110                        | /     | Pass    |
| 3               | QPSK       | 836.5           | 15            | 0      | 2.725                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 15            | 0      | 2.730                        | /     | Pass    |
| 5               | QPSK       | 836.5           | 25            | 0      | 4.534                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 25            | 0      | 4.525                        | /     | Pass    |
| 10              | QPSK       | 836.5           | 50            | 0      | 9.053                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 50            | 0      | 8.987                        | /     | Pass    |

##### 3.1.2 Band5\_XDB

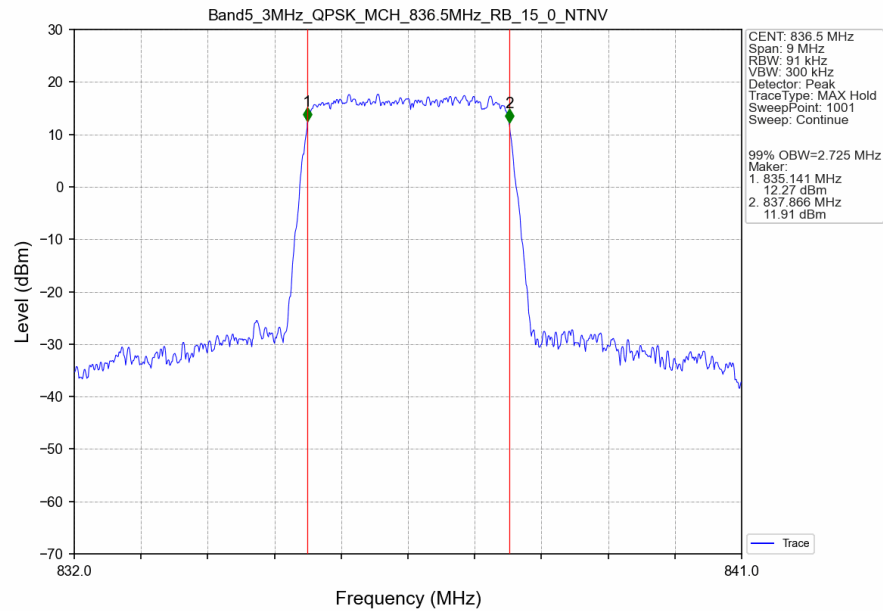
| Band: 5 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 836.5           | 6             | 0      | 1.314                | /     | Pass    |
|                 | 16QAM      | 836.5           | 6             | 0      | 1.304                | /     | Pass    |
| 3               | QPSK       | 836.5           | 15            | 0      | 3.039                | /     | Pass    |
|                 | 16QAM      | 836.5           | 15            | 0      | 3.044                | /     | Pass    |
| 5               | QPSK       | 836.5           | 25            | 0      | 5.090                | /     | Pass    |
|                 | 16QAM      | 836.5           | 25            | 0      | 5.043                | /     | Pass    |
| 10              | QPSK       | 836.5           | 50            | 0      | 10.029               | /     | Pass    |
|                 | 16QAM      | 836.5           | 50            | 0      | 9.957                | /     | Pass    |

## 3.2 Test Graph

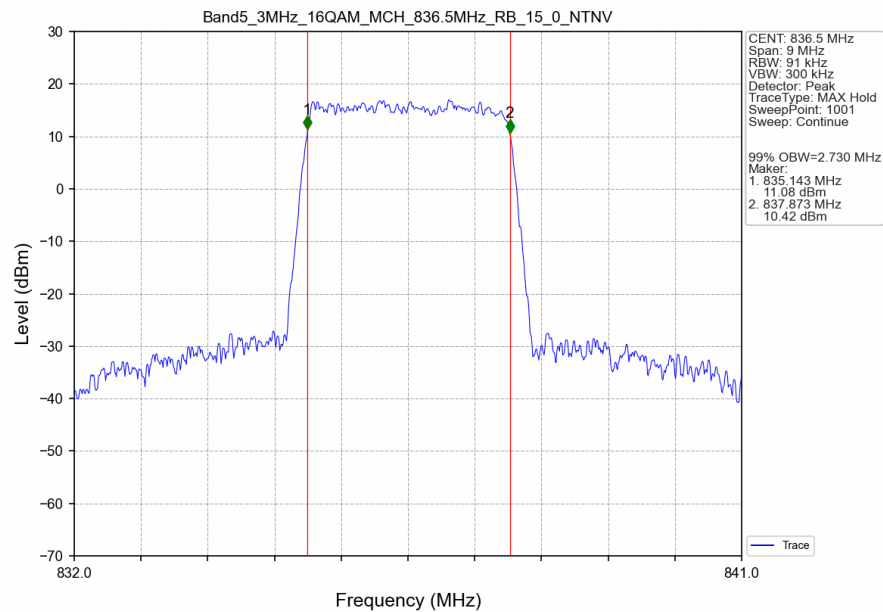
### 3.2.1 Band5\_OBW



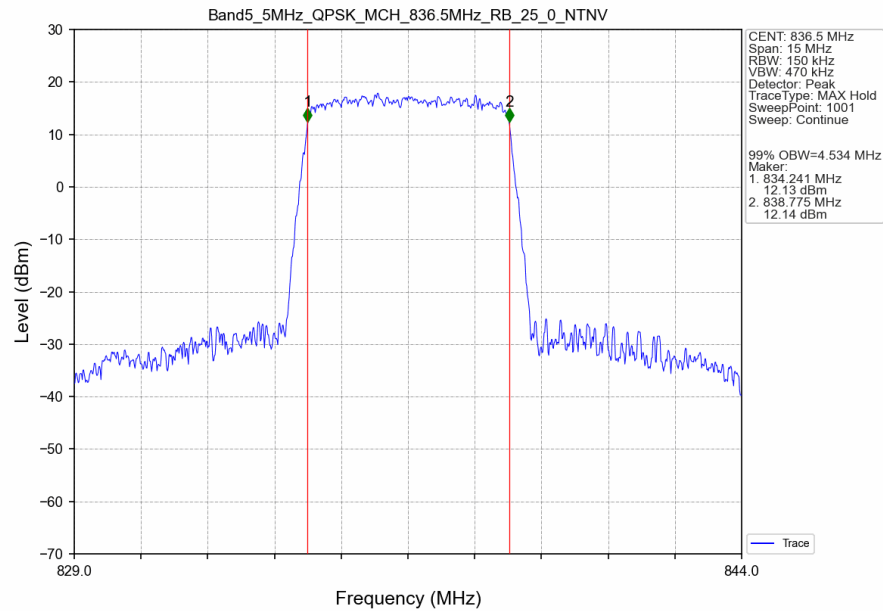
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



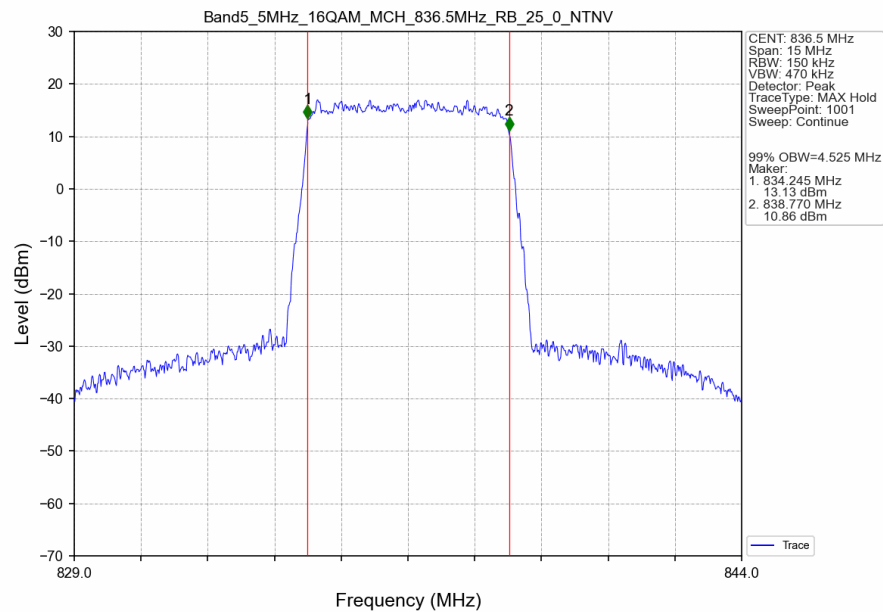
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



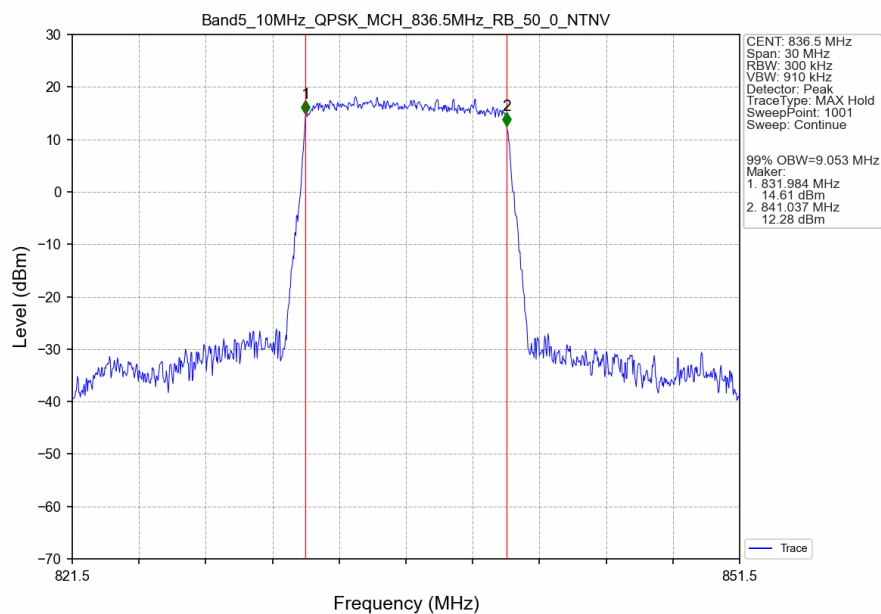
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



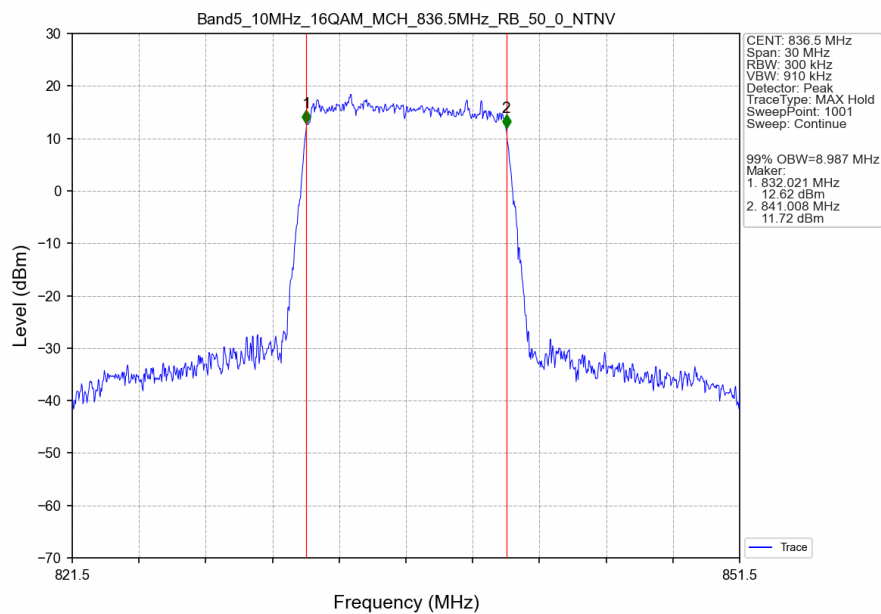
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



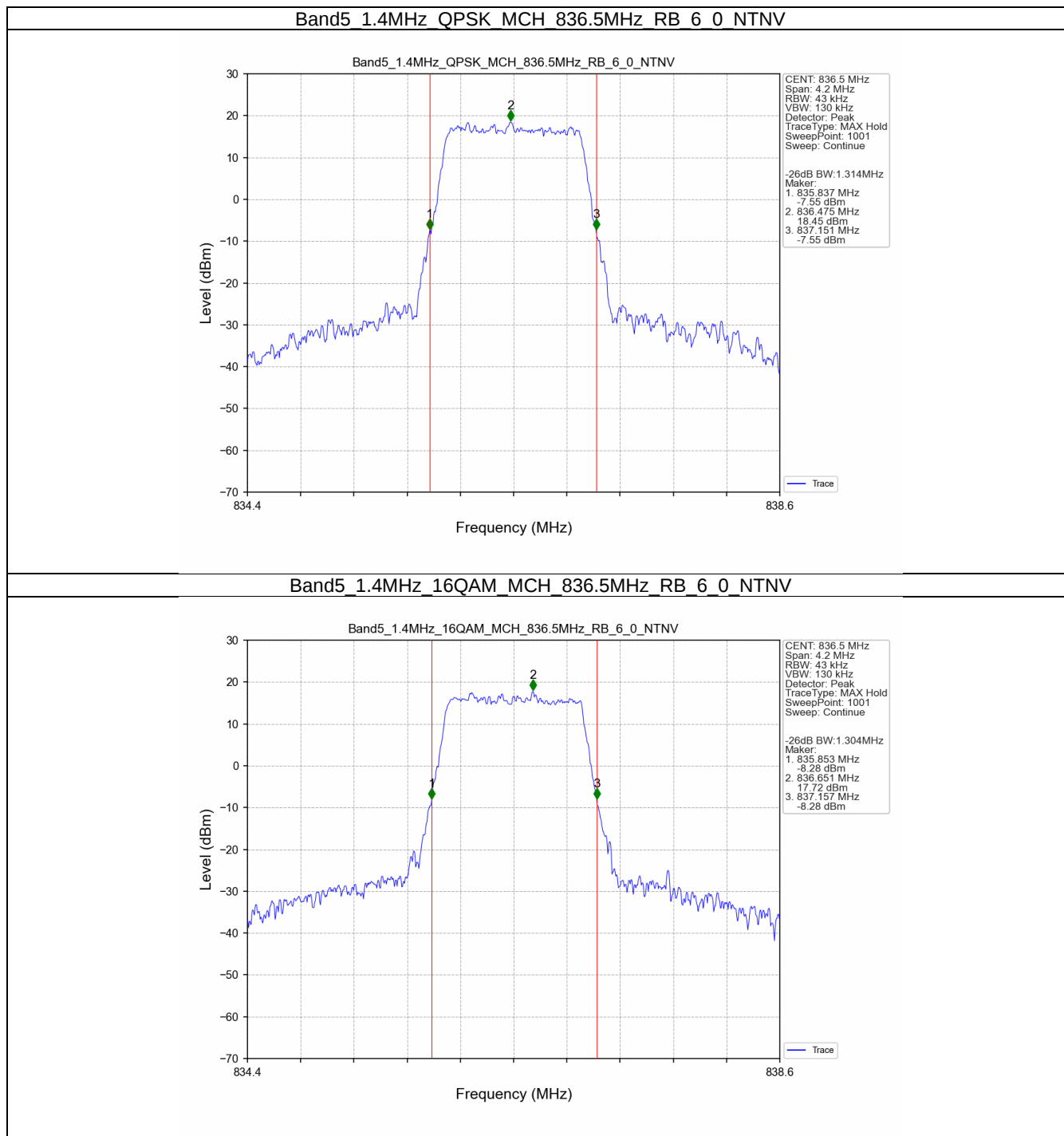
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



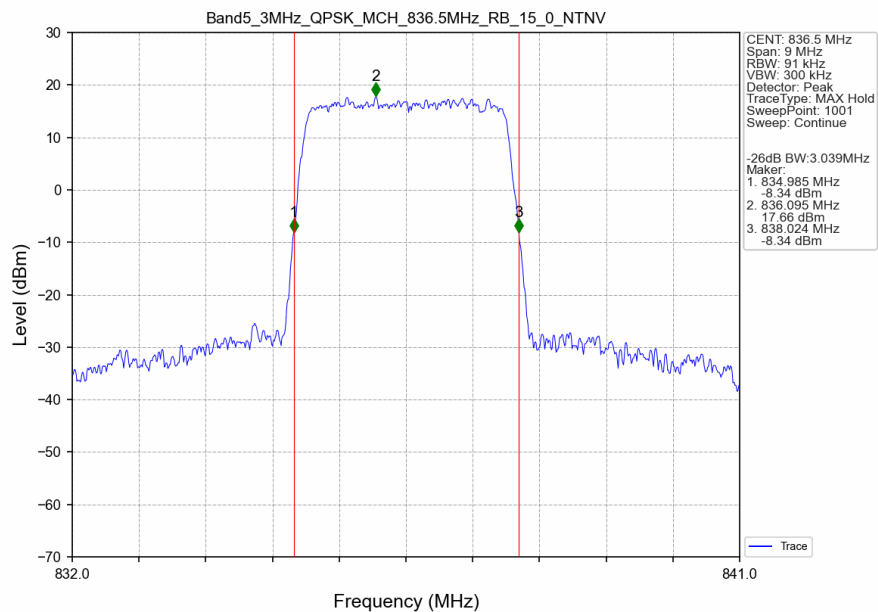
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



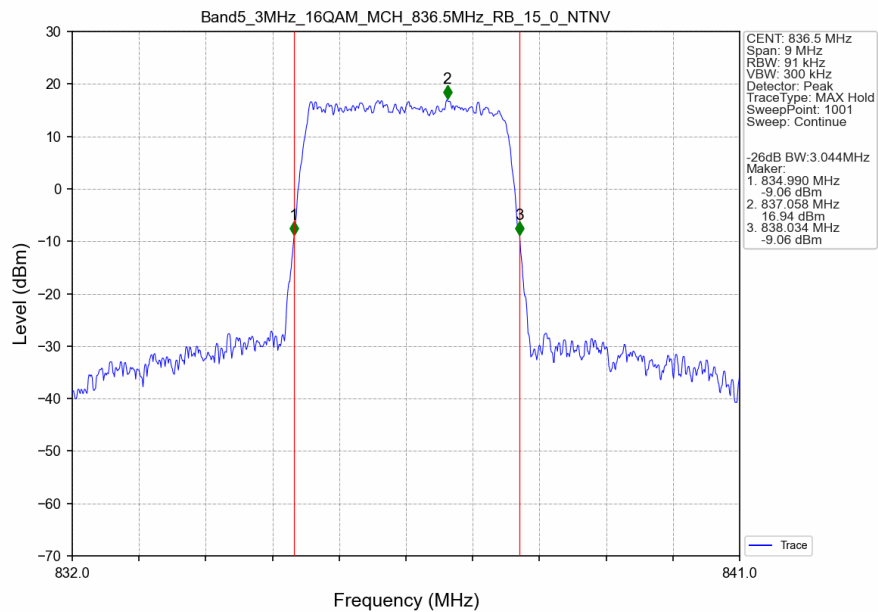
### 3.2.2 Band5\_XDB



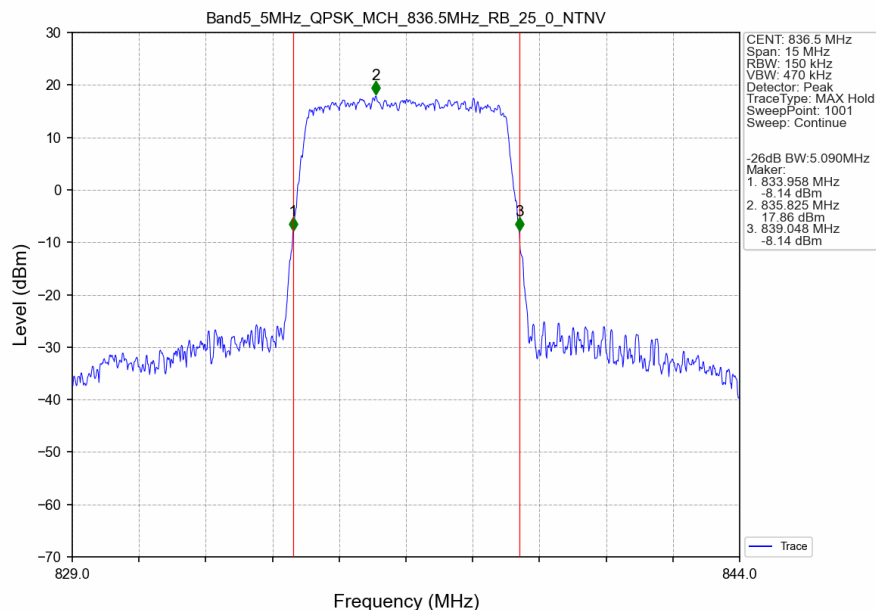
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



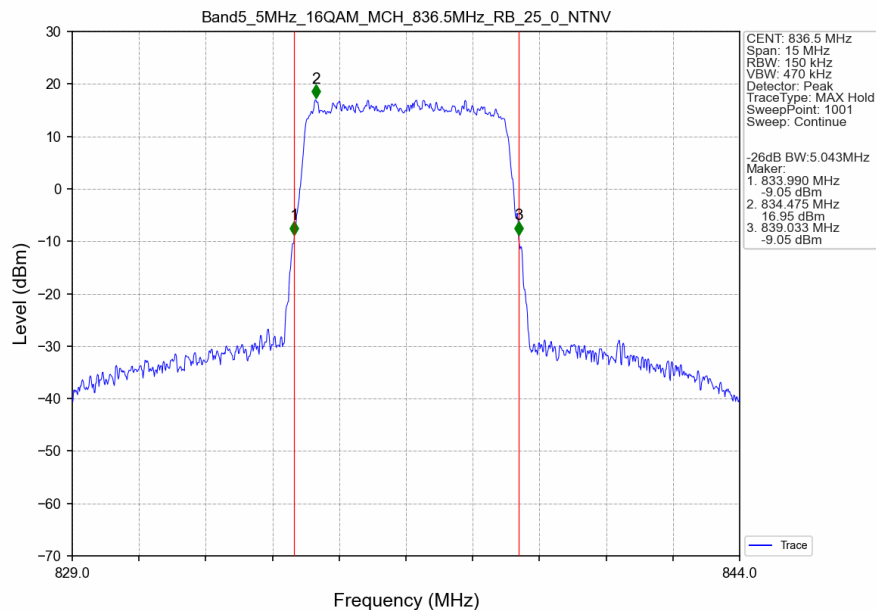
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



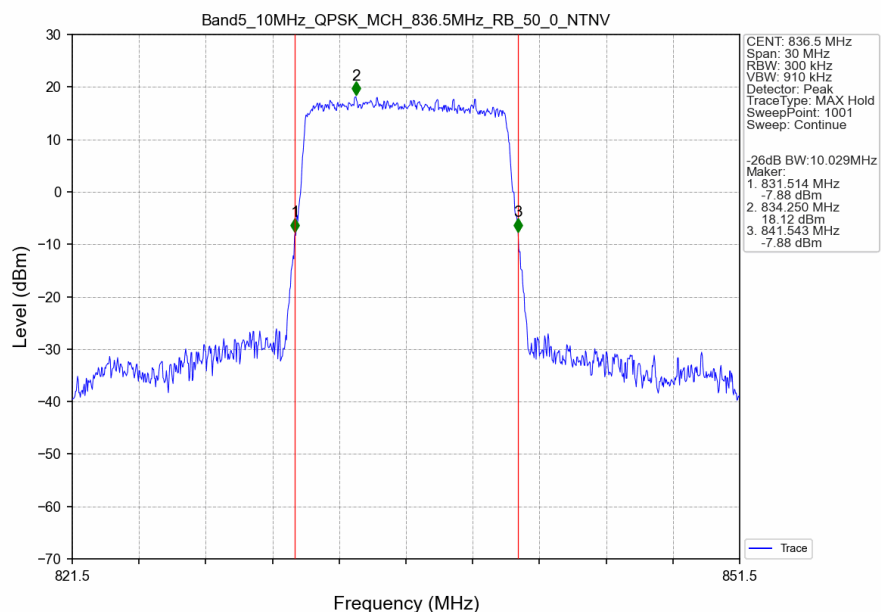
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



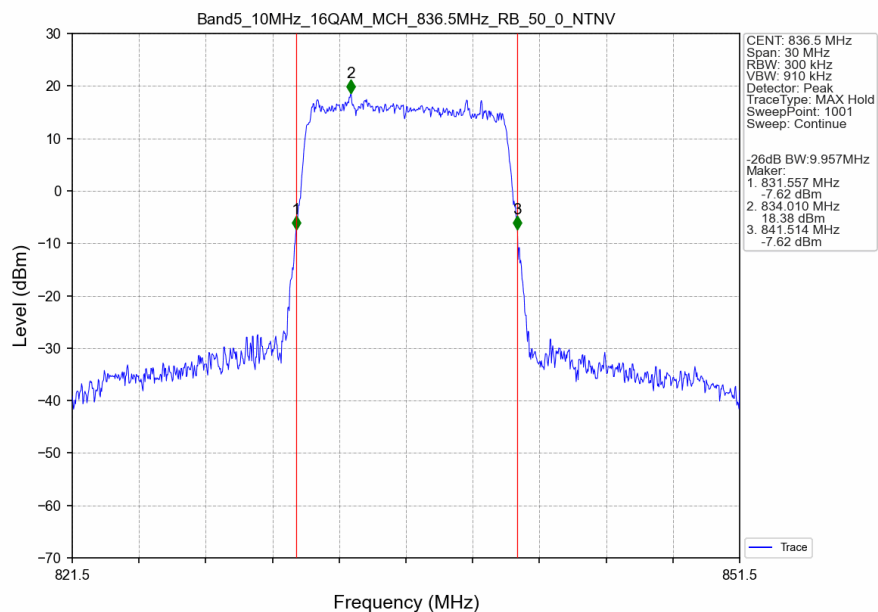
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



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



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





## 4. Peak-Average Ratio

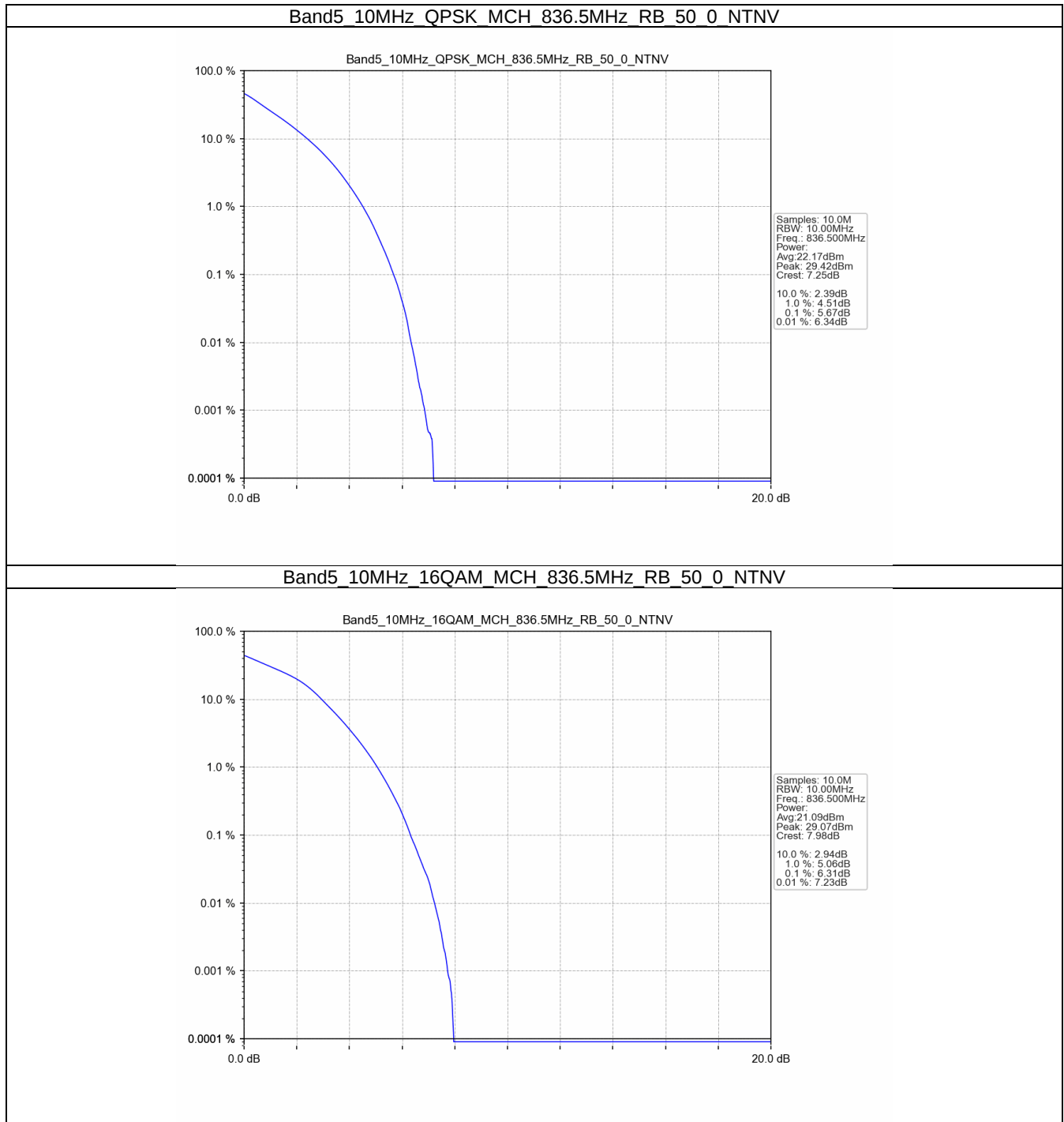
### 4.1 Test Result

#### 4.1.1 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz / NTNV |                    |               |        |                         |       |         |
|-----------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 836.5              | 50            | 0      | 5.67                    | <=13  | Pass    |
| 16QAM                             | 836.5              | 50            | 0      | 6.31                    | <=13  | Pass    |

## 4.2 Test Graph

### 4.2.1 B5\_10MHz



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 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    |
|                                    | 848.3           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 5      | Refer To Test Graph |       | Pass    |
|                                    |                 | 6             | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 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    |
|                                  | 847.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 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    |
|                                  | 846.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

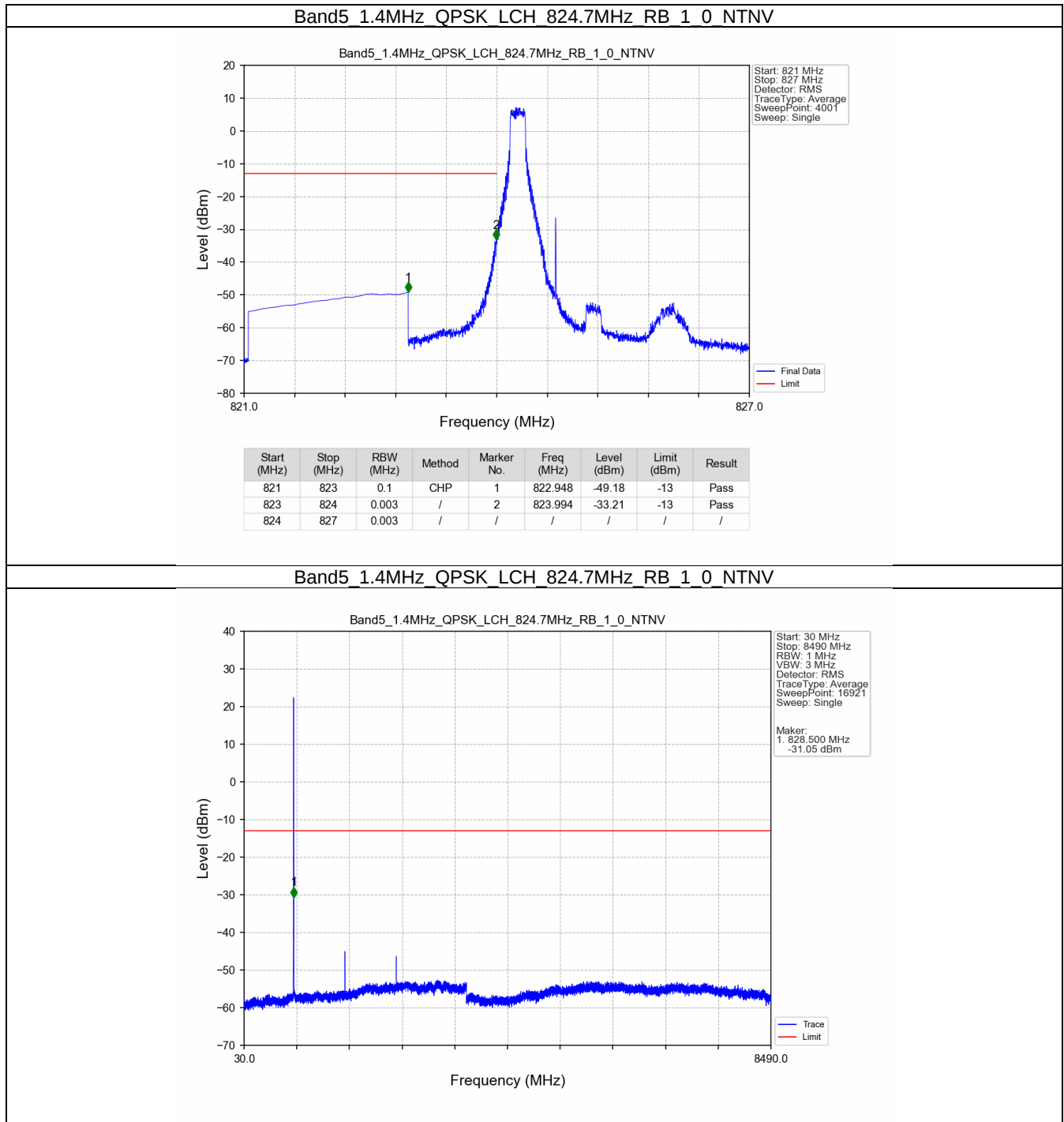


## 5.1.4 B5\_10MHz

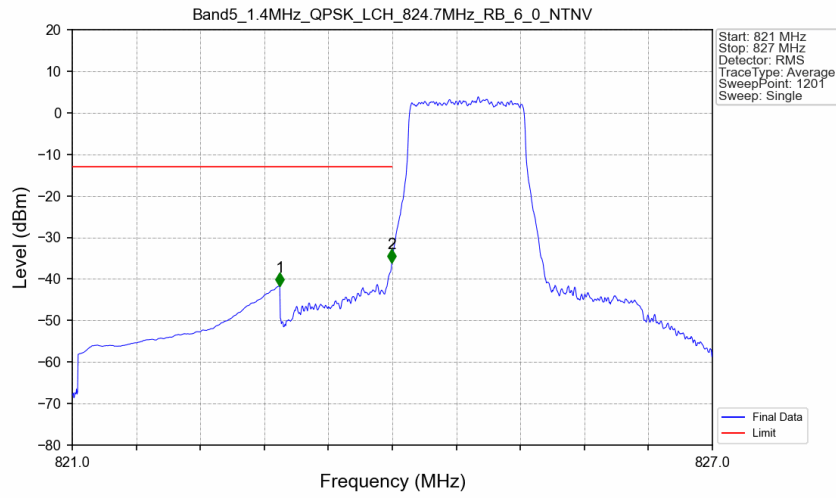
| Band: 5 / Bandwidth: 10MHz / NTNV |                    |               |        |                     |       |
|-----------------------------------|--------------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation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

## 5.2 Test Graph

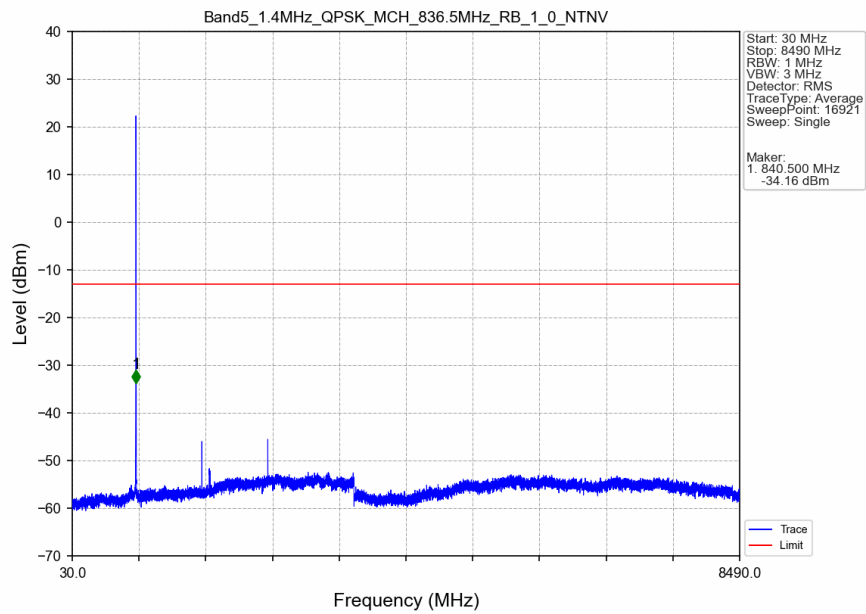
### 5.2.1 B5\_1.4MHz



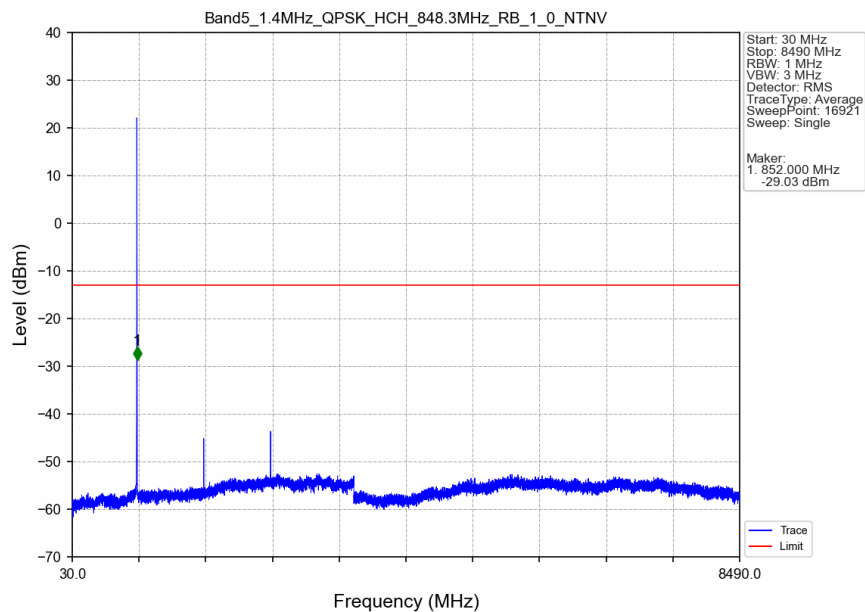
### Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



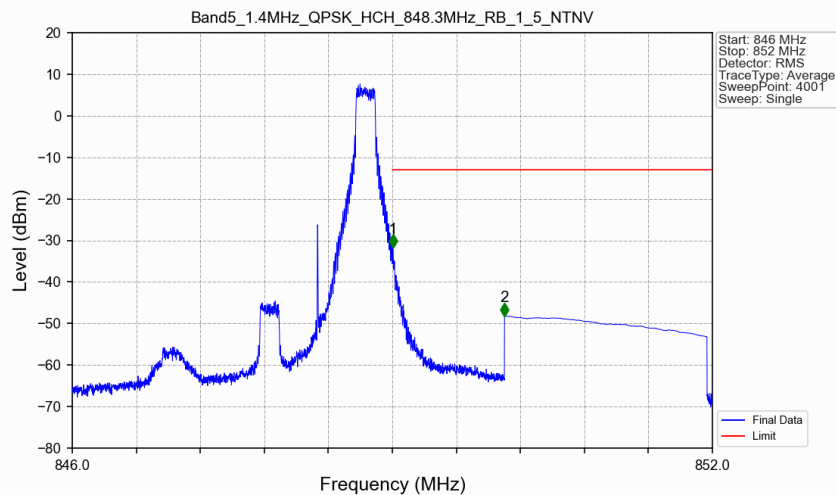
### Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



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

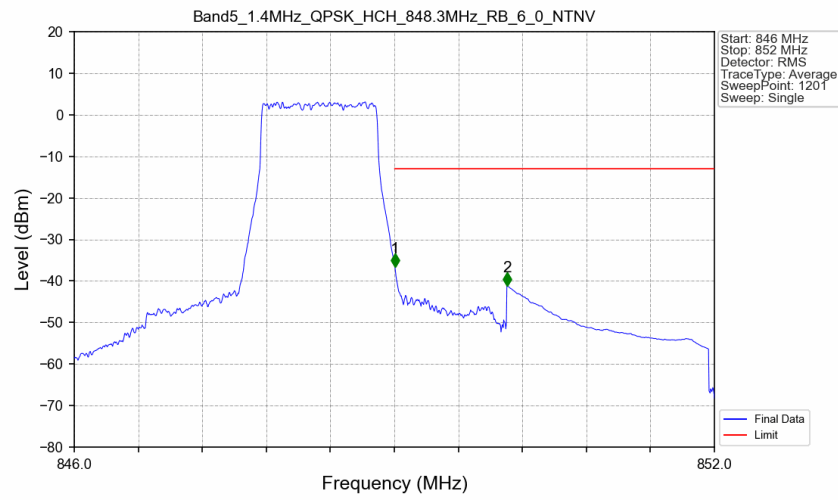


## Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_5\_NTNV



| 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    | -31.62      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.052    | -48.16      | -13         | Pass   |

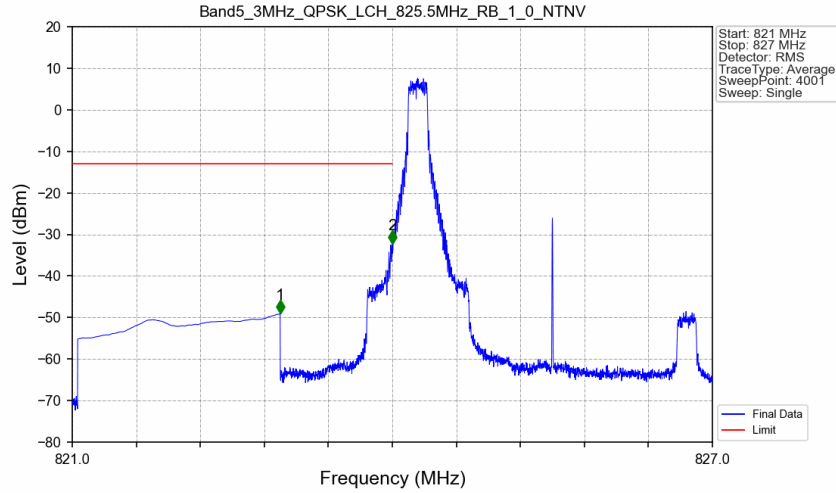
### Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



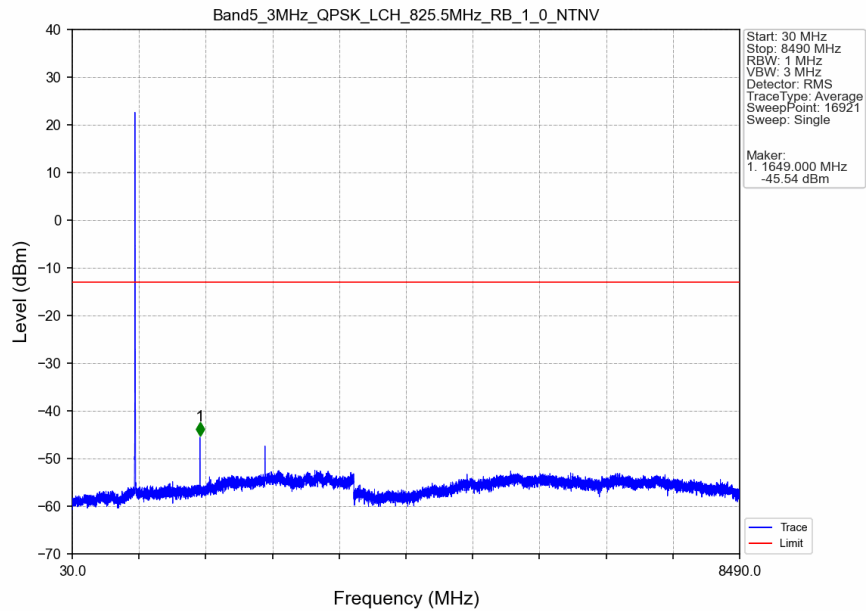
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | CHP    | 1          | 849.005    | -36.57      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -41.19      | -13         | Pass   |

### 5.2.2 B5\_3MHz

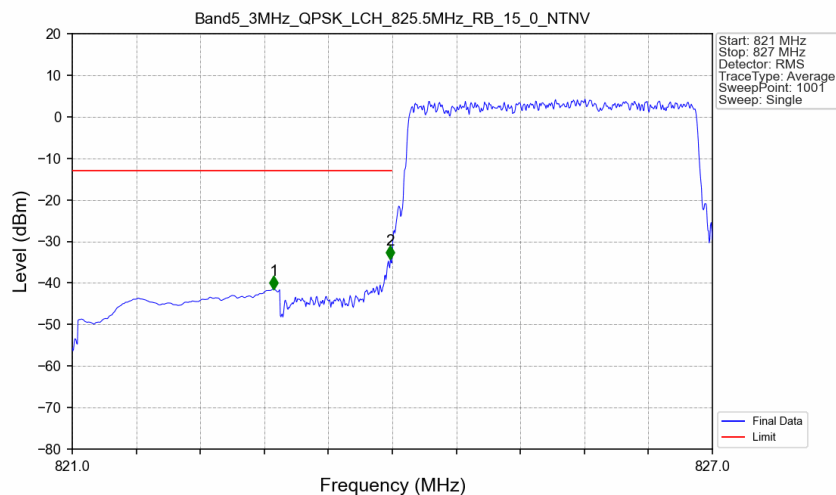
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



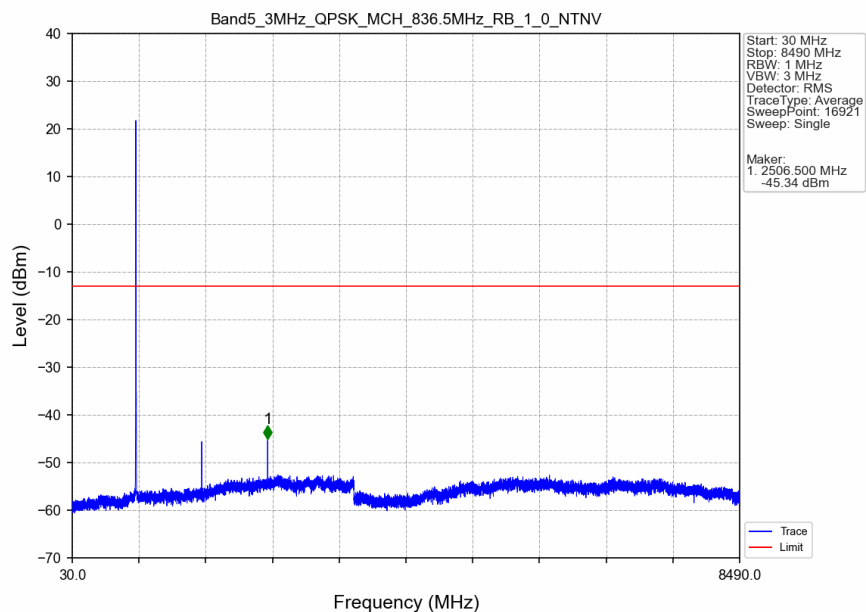
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



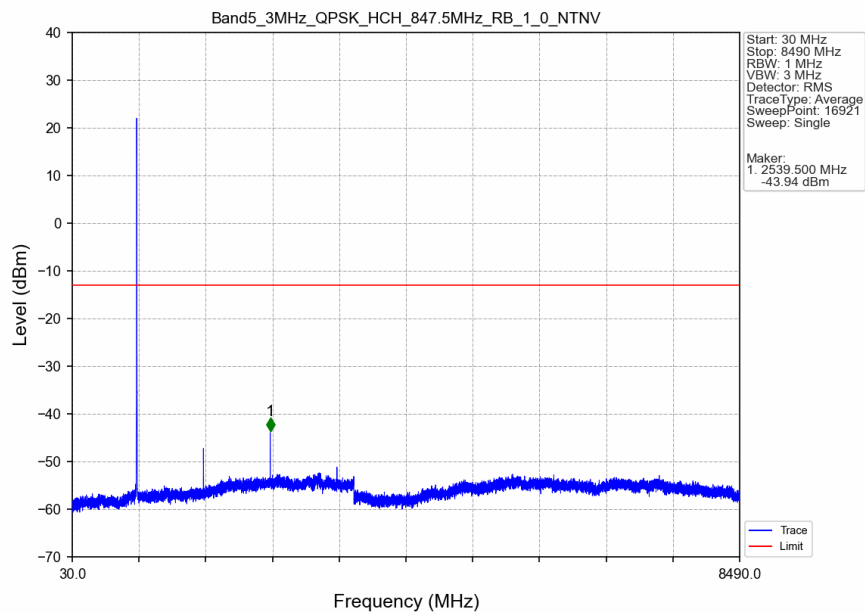
### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



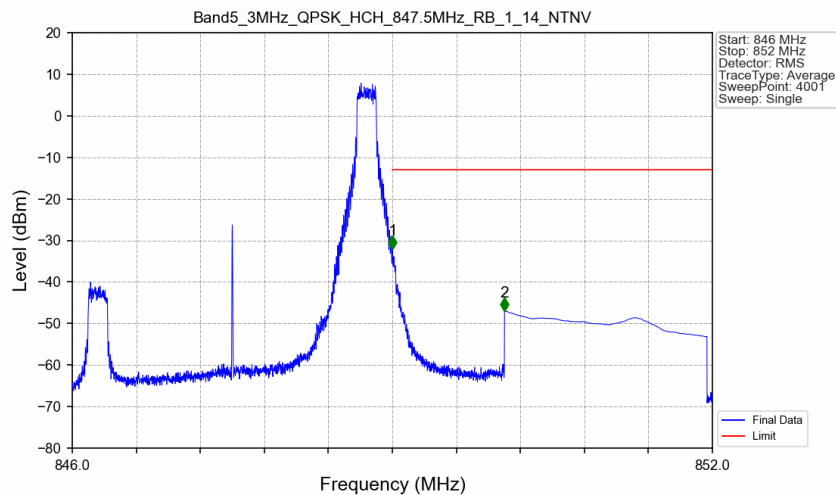
### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



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

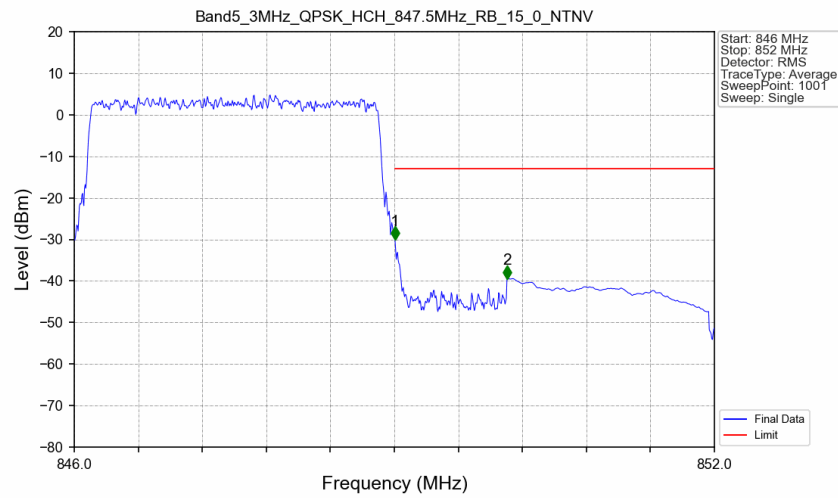


## Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_14\_NTNV



| 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    | -31.96      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.052    | -47.03      | -13         | Pass   |

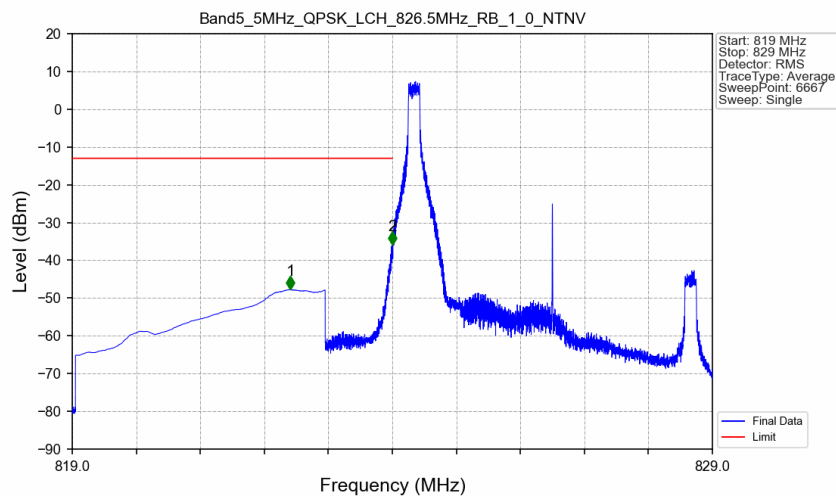
## Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



| 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          | 849.006    | -29.97      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.056    | -39.42      | -13         | Pass   |

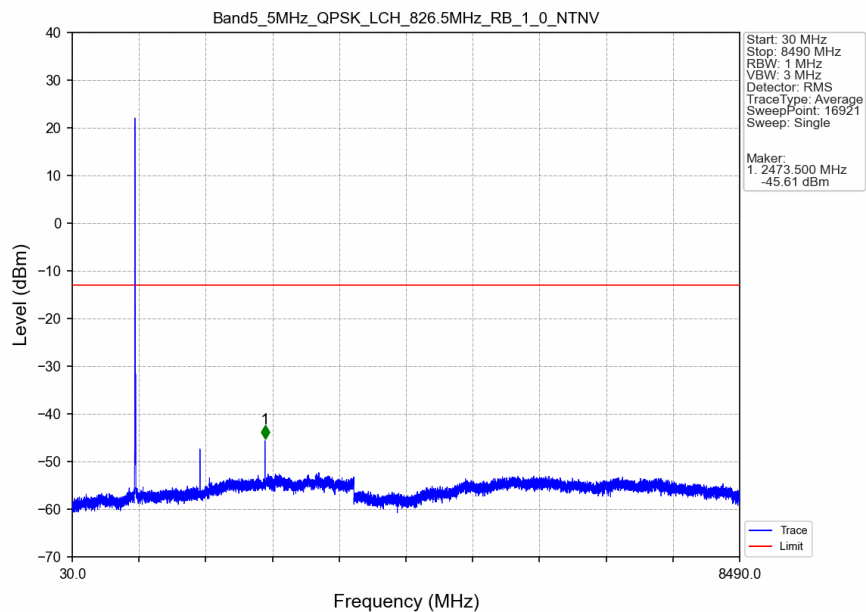
### 5.2.3 B5\_5MHz

Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTV

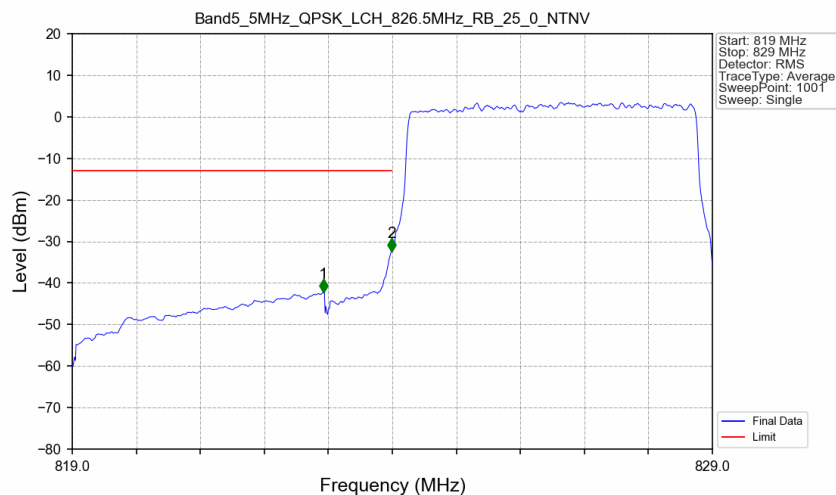


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.410    | -47.74      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.999    | -35.82      | -13         | Pass   |
| 824         | 829        | 0.003     | /      | /          | /          | /           | /           | /      |

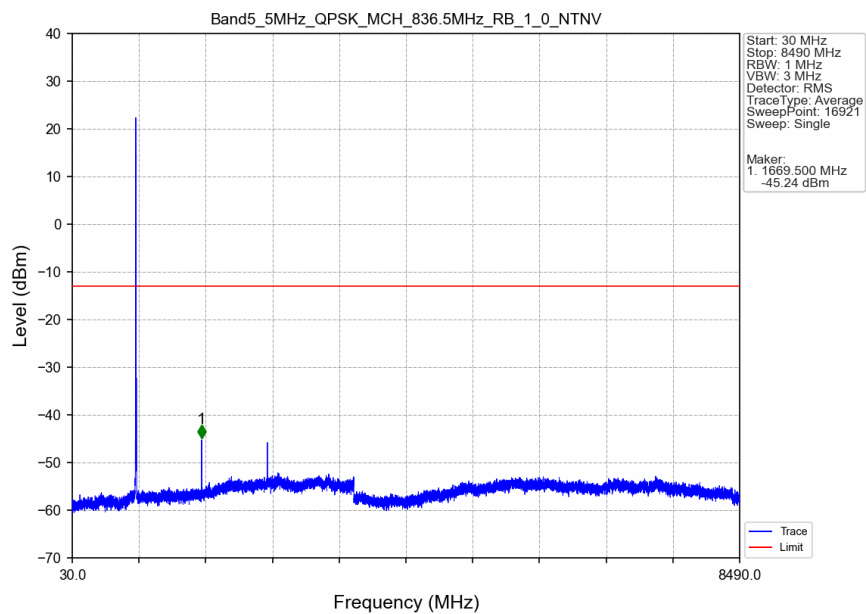
Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTV



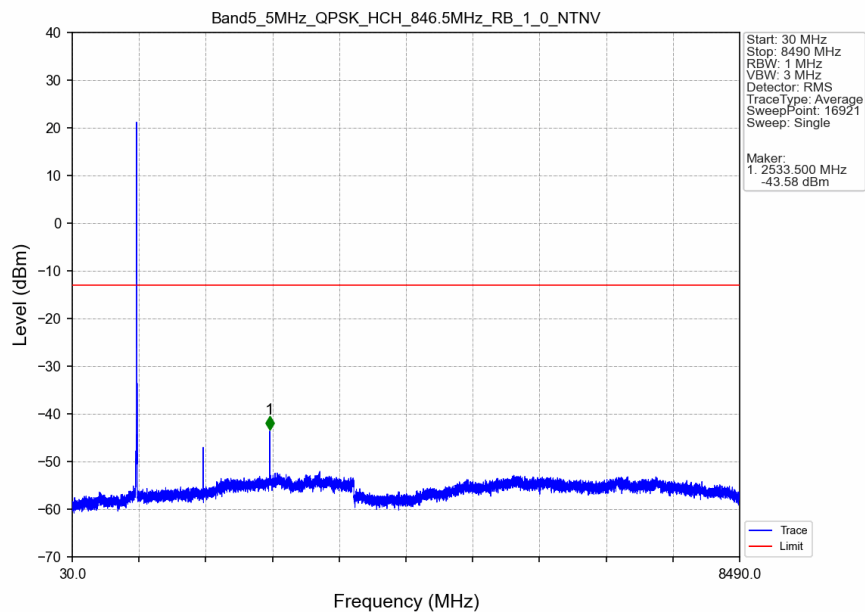
### Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



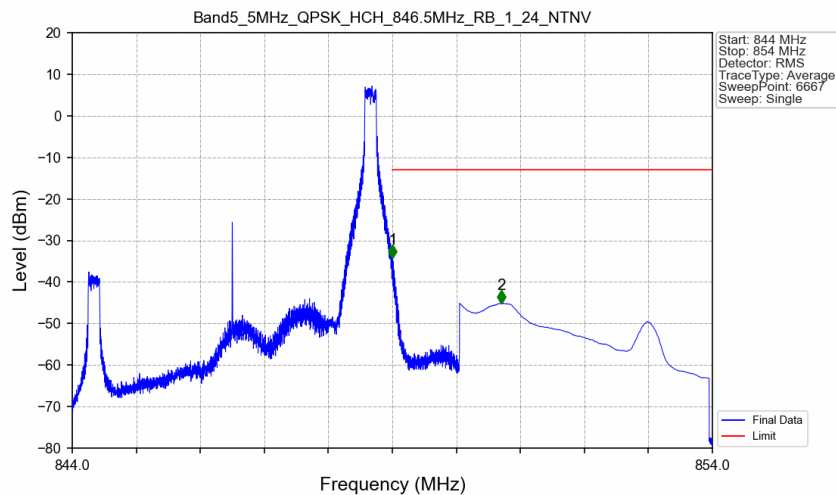
### Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



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

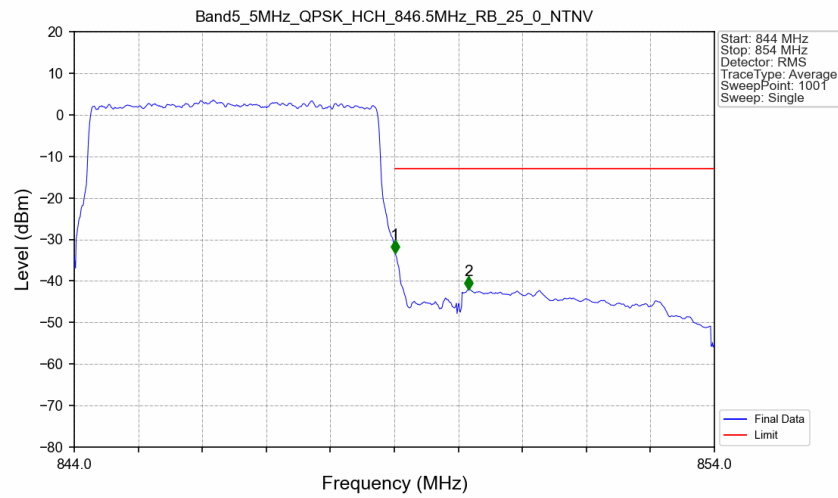


## Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_1\_24\_NTNV



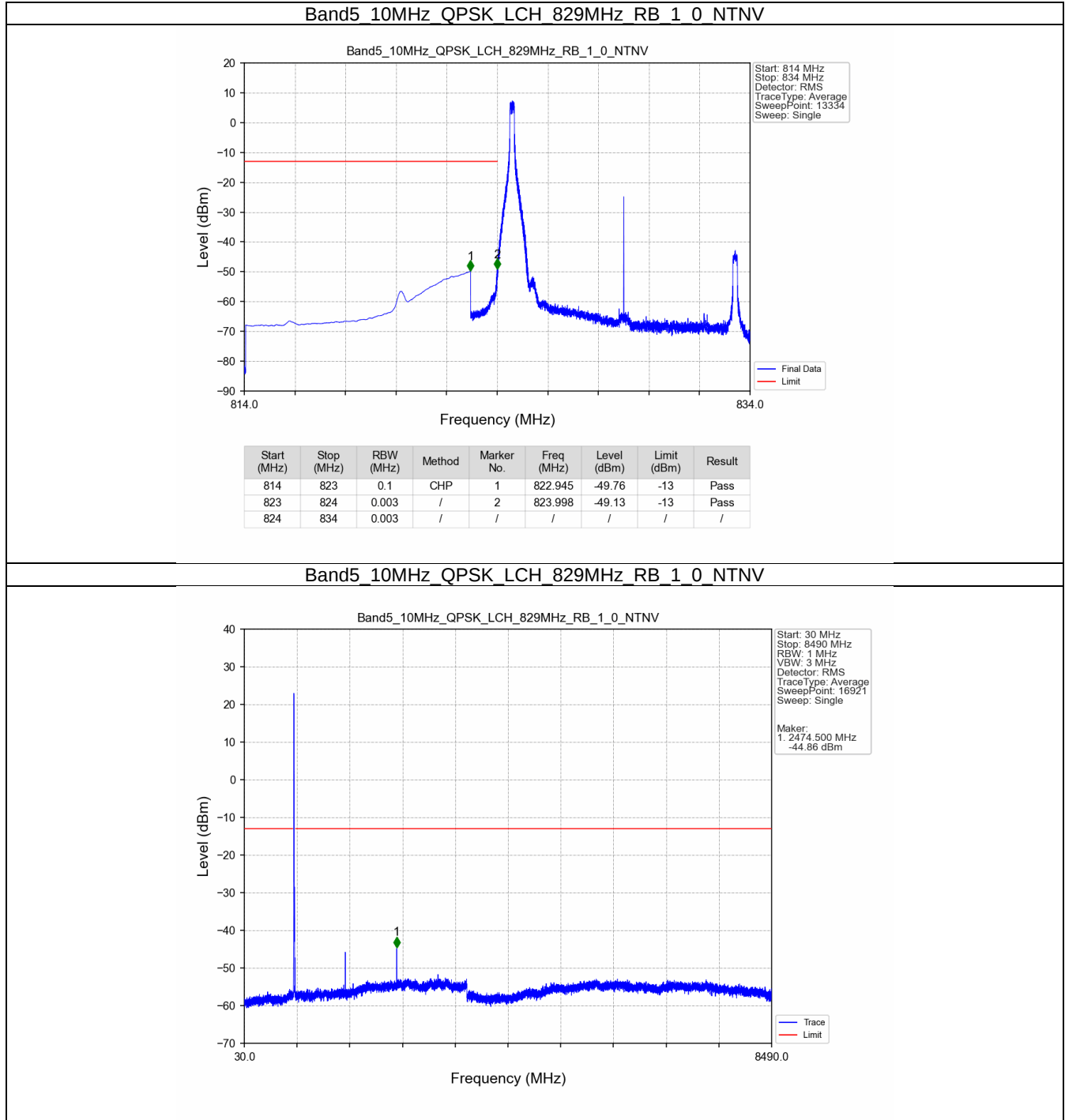
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.001    | -34.20      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.707    | -45.07      | -13         | Pass   |

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

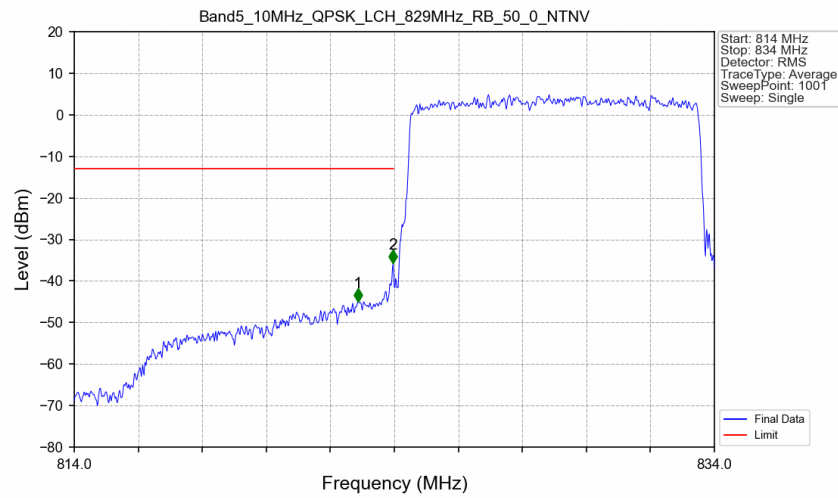


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.051     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.051     | CHP    | 1          | 849.010    | -33.35      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.160    | -42.04      | -13         | Pass   |

### 5.2.4 B5\_10MHz

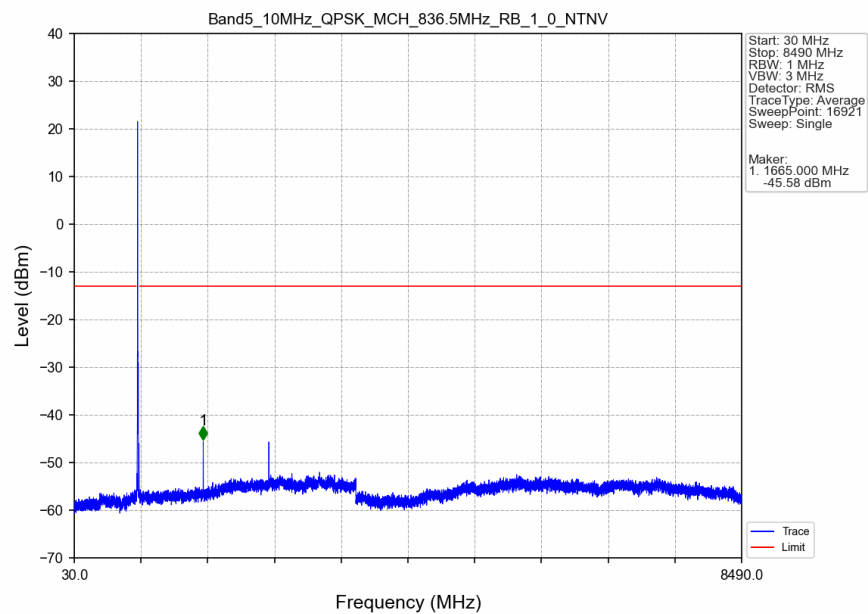


## Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV

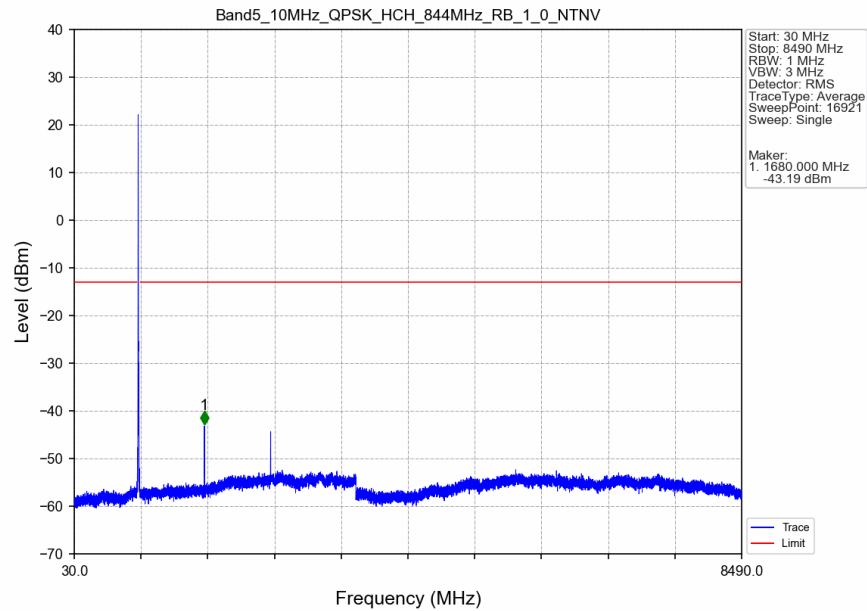


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 823        | 0.1       | /      | 1          | 822.860    | -44.93      | -13         | Pass   |
| 823         | 824        | 0.1       | /      | 2          | 823.960    | -35.77      | -13         | Pass   |
| 824         | 834        | 0.1       | /      | /          | /          | /           | /           | /      |

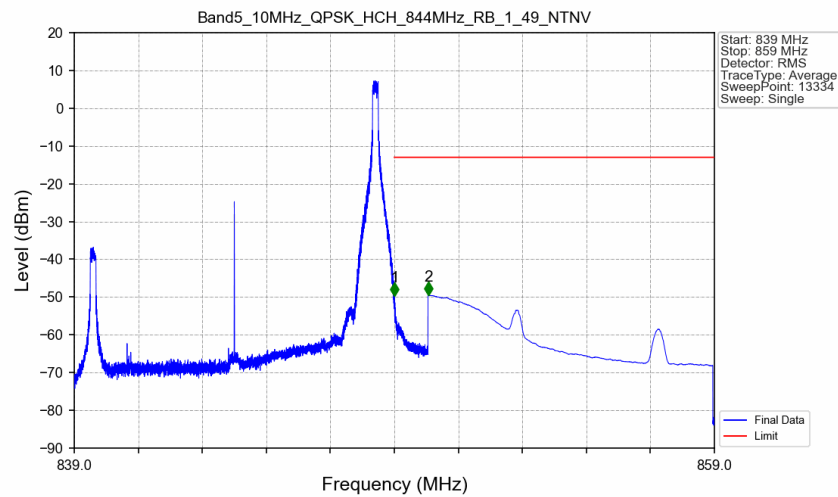
## Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



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

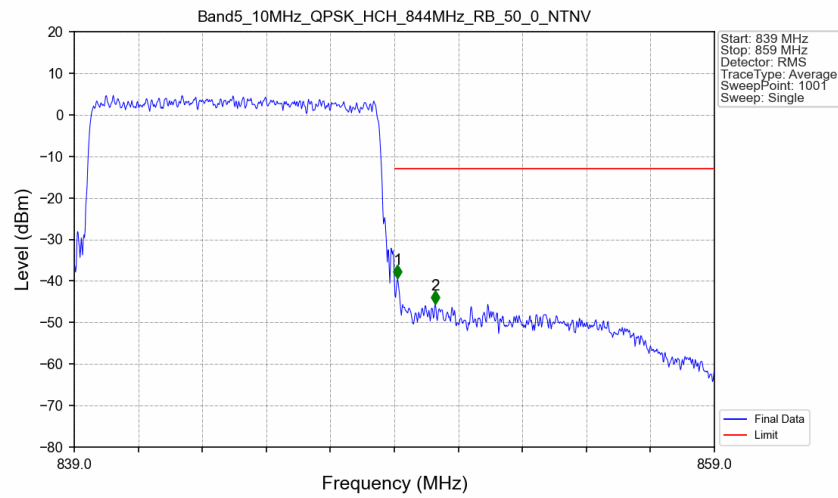


## Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_1\_49\_NTNV



| 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          | 849.002    | -49.67      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.064    | -49.43      | -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        | 0.1       | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.1       | /      | 1          | 849.100    | -39.35      | -13         | Pass   |
| 850         | 859        | 0.1       | /      | 2          | 850.280    | -45.52      | -13         | Pass   |

- End of the Appendix -