

| 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      | 22.63                 | 1.84       | 22.32     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 22.84                 | 1.84       | 22.53     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 5      | 22.33                 | 1.84       | 22.02     | <=38.45 | Pass    |         |      |
|                                    |                                              | 3             | 0      | 22.84                 | 1.84       | 22.53     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 23.15                 | 1.84       | 22.84     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 3      | 22.44                 | 1.84       | 22.13     | <=38.45 | Pass    |         |      |
|                                    |                                              | 6             | 0      | 21.77                 | 1.84       | 21.46     | <=38.45 | Pass    |         |      |
|                                    |                                              | 836.5         | 1      | 0                     | 21.42      | 1.84      | 21.11   | <=38.45 | Pass    |      |
|                                    |                                              |               |        | 2                     | 21.85      | 1.84      | 21.54   | <=38.45 | Pass    |      |
|                                    | 5                                            |               |        | 21.54                 | 1.84       | 21.23     | <=38.45 | Pass    |         |      |
|                                    | 3                                            |               | 0      | 21.76                 | 1.84       | 21.45     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 22.14                 | 1.84       | 21.83     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 3      | 21.61                 | 1.84       | 21.30     | <=38.45 | Pass    |         |      |
|                                    | 6                                            | 0             | 20.79  | 1.84                  | 20.48      | <=38.45   | Pass    |         |         |      |
|                                    | 848.3                                        | 1             | 0      | 22.85                 | 1.84       | 22.54     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 23.05                 | 1.84       | 22.74     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 5      | 22.41                 | 1.84       | 22.10     | <=38.45 | Pass    |         |      |
|                                    |                                              | 3             | 0      | 23.13                 | 1.84       | 22.82     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 23.30                 | 1.84       | 22.99     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 3      | 22.56                 | 1.84       | 22.25     | <=38.45 | Pass    |         |      |
|                                    |                                              | 6             | 0      | 21.97                 | 1.84       | 21.66     | <=38.45 | Pass    |         |      |
|                                    |                                              | 16QAM         | 824.7  | 1                     | 0          | 21.54     | 1.84    | 21.23   | <=38.45 | Pass |
|                                    |                                              |               |        |                       | 2          | 22.04     | 1.84    | 21.73   | <=38.45 | Pass |
|                                    | 5                                            |               |        |                       | 21.52      | 1.84      | 21.21   | <=38.45 | Pass    |      |
| 3                                  | 0                                            |               |        | 21.88                 | 1.84       | 21.57     | <=38.45 | Pass    |         |      |
|                                    | 2                                            |               |        | 22.21                 | 1.84       | 21.90     | <=38.45 | Pass    |         |      |
|                                    | 3                                            |               |        | 21.54                 | 1.84       | 21.23     | <=38.45 | Pass    |         |      |
| 6                                  | 0                                            |               |        | 20.87                 | 1.84       | 20.56     | <=38.45 | Pass    |         |      |
| 836.5                              | 1                                            |               |        | 0                     | 20.14      | 1.84      | 19.83   | <=38.45 | Pass    |      |
|                                    |                                              |               |        | 2                     | 20.72      | 1.84      | 20.41   | <=38.45 | Pass    |      |
|                                    |                                              |               | 5      | 20.49                 | 1.84       | 20.18     | <=38.45 | Pass    |         |      |
|                                    | 3                                            |               | 0      | 20.75                 | 1.84       | 20.44     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 21.12                 | 1.84       | 20.81     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 3      | 20.62                 | 1.84       | 20.31     | <=38.45 | Pass    |         |      |
| 6                                  | 0                                            |               | 19.77  | 1.84                  | 19.46      | <=38.45   | Pass    |         |         |      |
| 848.3                              | 1                                            |               | 0      | 21.80                 | 1.84       | 21.49     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 22.18                 | 1.84       | 21.87     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 5      | 21.56                 | 1.84       | 21.25     | <=38.45 | Pass    |         |      |
|                                    | 3                                            |               | 0      | 22.02                 | 1.84       | 21.71     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 2      | 22.25                 | 1.84       | 21.94     | <=38.45 | Pass    |         |      |
|                                    |                                              |               | 3      | 21.57                 | 1.84       | 21.26     | <=38.45 | Pass    |         |      |
|                                    | 6                                            |               | 0      | 20.98                 | 1.84       | 20.67     | <=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      | 22.74                 | 1.84       | 22.43     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 23.13                 | 1.84       | 22.82     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 14     | 22.35                 | 1.84       | 22.04     | <=38.45 | Pass    |         |      |
|                                  |                                              | 8             | 0      | 21.34                 | 1.84       | 21.03     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 4      | 21.76                 | 1.84       | 21.45     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 21.57                 | 1.84       | 21.26     | <=38.45 | Pass    |         |      |
|                                  |                                              | 15            | 0      | 21.95                 | 1.84       | 21.64     | <=38.45 | Pass    |         |      |
|                                  |                                              | 836.5         | 1      | 0                     | 21.80      | 1.84      | 21.49   | <=38.45 | Pass    |      |
|                                  |                                              |               |        | 7                     | 22.40      | 1.84      | 22.09   | <=38.45 | Pass    |      |
|                                  | 14                                           |               |        | 21.51                 | 1.84       | 21.20     | <=38.45 | Pass    |         |      |
|                                  | 8                                            |               | 0      | 20.50                 | 1.84       | 20.19     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 4      | 20.85                 | 1.84       | 20.54     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 20.54                 | 1.84       | 20.23     | <=38.45 | Pass    |         |      |
|                                  | 15                                           | 0             | 20.91  | 1.84                  | 20.60      | <=38.45   | Pass    |         |         |      |
|                                  | 847.5                                        | 1             | 0      | 22.74                 | 1.84       | 22.43     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 22.99                 | 1.84       | 22.68     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 14     | 22.43                 | 1.84       | 22.12     | <=38.45 | Pass    |         |      |
|                                  |                                              | 8             | 0      | 21.41                 | 1.84       | 21.10     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 4      | 21.63                 | 1.84       | 21.32     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 21.40                 | 1.84       | 21.09     | <=38.45 | Pass    |         |      |
|                                  |                                              | 15            | 0      | 21.83                 | 1.84       | 21.52     | <=38.45 | Pass    |         |      |
|                                  |                                              | 16QAM         | 825.5  | 1                     | 0          | 22.29     | 1.84    | 21.98   | <=38.45 | Pass |
|                                  |                                              |               |        |                       | 7          | 22.72     | 1.84    | 22.41   | <=38.45 | Pass |
|                                  | 14                                           |               |        |                       | 21.86      | 1.84      | 21.55   | <=38.45 | Pass    |      |
| 8                                | 0                                            |               |        | 20.50                 | 1.84       | 20.19     | <=38.45 | Pass    |         |      |
|                                  | 4                                            |               |        | 20.96                 | 1.84       | 20.65     | <=38.45 | Pass    |         |      |
|                                  | 7                                            |               |        | 20.81                 | 1.84       | 20.50     | <=38.45 | Pass    |         |      |
| 15                               | 0                                            |               |        | 21.06                 | 1.84       | 20.75     | <=38.45 | Pass    |         |      |
| 836.5                            | 1                                            |               |        | 0                     | 20.77      | 1.84      | 20.46   | <=38.45 | Pass    |      |
|                                  |                                              |               |        | 7                     | 21.51      | 1.84      | 21.20   | <=38.45 | Pass    |      |
|                                  |                                              |               | 14     | 20.72                 | 1.84       | 20.41     | <=38.45 | Pass    |         |      |
|                                  | 8                                            |               | 0      | 19.52                 | 1.84       | 19.21     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 4      | 19.91                 | 1.84       | 19.60     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 19.61                 | 1.84       | 19.30     | <=38.45 | Pass    |         |      |
| 15                               | 0                                            |               | 19.99  | 1.84                  | 19.68      | <=38.45   | Pass    |         |         |      |
| 847.5                            | 1                                            |               | 0      | 21.71                 | 1.84       | 21.40     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 22.09                 | 1.84       | 21.78     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 14     | 21.45                 | 1.84       | 21.14     | <=38.45 | Pass    |         |      |
|                                  | 8                                            |               | 0      | 20.42                 | 1.84       | 20.11     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 4      | 20.76                 | 1.84       | 20.45     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 7      | 20.53                 | 1.84       | 20.22     | <=38.45 | Pass    |         |      |
|                                  | 15                                           |               | 0      | 20.95                 | 1.84       | 20.64     | <=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      | 22.86                 | 1.84       | 22.55     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 22.73                 | 1.84       | 22.42     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 24     | 22.44                 | 1.84       | 22.13     | <=38.45 | Pass    |         |      |
|                                  |                                              | 12            | 0      | 21.92                 | 1.84       | 21.61     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 6      | 22.12                 | 1.84       | 21.81     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 21.97                 | 1.84       | 21.66     | <=38.45 | Pass    |         |      |
|                                  |                                              | 25            | 0      | 21.77                 | 1.84       | 21.46     | <=38.45 | Pass    |         |      |
|                                  |                                              | 836.5         | 1      | 0                     | 21.68      | 1.84      | 21.37   | <=38.45 | Pass    |      |
|                                  |                                              |               |        | 13                    | 21.96      | 1.84      | 21.65   | <=38.45 | Pass    |      |
|                                  | 24                                           |               |        | 22.04                 | 1.84       | 21.73     | <=38.45 | Pass    |         |      |
|                                  | 12                                           |               | 0      | 20.80                 | 1.84       | 20.49     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 6      | 20.84                 | 1.84       | 20.53     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 20.86                 | 1.84       | 20.55     | <=38.45 | Pass    |         |      |
|                                  | 25                                           | 0             | 20.83  | 1.84                  | 20.52      | <=38.45   | Pass    |         |         |      |
|                                  | 846.5                                        | 1             | 0      | 22.51                 | 1.84       | 22.20     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 22.70                 | 1.84       | 22.39     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 24     | 22.78                 | 1.84       | 22.47     | <=38.45 | Pass    |         |      |
|                                  |                                              | 12            | 0      | 21.74                 | 1.84       | 21.43     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 6      | 21.77                 | 1.84       | 21.46     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 21.88                 | 1.84       | 21.57     | <=38.45 | Pass    |         |      |
|                                  |                                              | 25            | 0      | 21.88                 | 1.84       | 21.57     | <=38.45 | Pass    |         |      |
|                                  |                                              | 16QAM         | 826.5  | 1                     | 0          | 21.78     | 1.84    | 21.47   | <=38.45 | Pass |
|                                  |                                              |               |        |                       | 13         | 21.75     | 1.84    | 21.44   | <=38.45 | Pass |
|                                  | 24                                           |               |        |                       | 21.45      | 1.84      | 21.14   | <=38.45 | Pass    |      |
| 12                               | 0                                            |               |        | 21.00                 | 1.84       | 20.69     | <=38.45 | Pass    |         |      |
|                                  | 6                                            |               |        | 21.18                 | 1.84       | 20.87     | <=38.45 | Pass    |         |      |
|                                  | 13                                           |               |        | 21.04                 | 1.84       | 20.73     | <=38.45 | Pass    |         |      |
| 25                               | 0                                            |               |        | 20.84                 | 1.84       | 20.53     | <=38.45 | Pass    |         |      |
| 836.5                            | 1                                            |               |        | 0                     | 20.74      | 1.84      | 20.43   | <=38.45 | Pass    |      |
|                                  |                                              |               |        | 13                    | 21.16      | 1.84      | 20.85   | <=38.45 | Pass    |      |
|                                  |                                              |               | 24     | 21.46                 | 1.84       | 21.15     | <=38.45 | Pass    |         |      |
|                                  | 12                                           |               | 0      | 20.02                 | 1.84       | 19.71     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 6      | 20.08                 | 1.84       | 19.77     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 19.98                 | 1.84       | 19.67     | <=38.45 | Pass    |         |      |
| 25                               | 0                                            |               | 19.89  | 1.84                  | 19.58      | <=38.45   | Pass    |         |         |      |
| 846.5                            | 1                                            |               | 0      | 21.63                 | 1.84       | 21.32     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 21.81                 | 1.84       | 21.50     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 24     | 21.96                 | 1.84       | 21.65     | <=38.45 | Pass    |         |      |
|                                  | 12                                           |               | 0      | 20.79                 | 1.84       | 20.48     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 6      | 20.82                 | 1.84       | 20.51     | <=38.45 | Pass    |         |      |
|                                  |                                              |               | 13     | 20.96                 | 1.84       | 20.65     | <=38.45 | Pass    |         |      |
|                                  | 25                                           |               | 0      | 20.84                 | 1.84       | 20.53     | <=38.45 | Pass    |         |      |
|                                  | Note1: ERP=Conducted Power+Antenna Gain-2.15 |               |        |                       |            |           |         |         |         |      |

#### 1.1.4 B5\_10MHz\_ERP

| Band: 5 / Bandwidth: 10MHz / NTN-V |                 |                                              |        |                       |            |           |         |         |      |
|------------------------------------|-----------------|----------------------------------------------|--------|-----------------------|------------|-----------|---------|---------|------|
| Modulation                         | Frequency (MHz) | RB Allocation                                |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |      |
|                                    |                 | Size                                         | Offset |                       |            | Result    | Limit   |         |      |
| QPSK                               | 829             | 1                                            | 0      | 22.84                 | 1.84       | 22.53     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 25     | 22.41                 | 1.84       | 22.10     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 49     | 21.91                 | 1.84       | 21.60     | <=38.45 | Pass    |      |
|                                    |                 | 25                                           | 0      | 22.08                 | 1.84       | 21.77     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 13     | 21.86                 | 1.84       | 21.55     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 25     | 21.30                 | 1.84       | 20.99     | <=38.45 | Pass    |      |
|                                    |                 | 50                                           | 0      | 21.55                 | 1.84       | 21.24     | <=38.45 | Pass    |      |
|                                    |                 | 836.5                                        | 1      | 0                     | 22.11      | 1.84      | 21.80   | <=38.45 | Pass |
|                                    |                 |                                              |        | 25                    | 22.13      | 1.84      | 21.82   | <=38.45 | Pass |
|                                    | 49              |                                              |        | 21.74                 | 1.84       | 21.43     | <=38.45 | Pass    |      |
|                                    | 25              |                                              | 0      | 21.12                 | 1.84       | 20.81     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 13     | 21.25                 | 1.84       | 20.94     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 25     | 20.83                 | 1.84       | 20.52     | <=38.45 | Pass    |      |
|                                    | 50              | 0                                            | 21.03  | 1.84                  | 20.72      | <=38.45   | Pass    |         |      |
|                                    | 844             | 1                                            | 0      | 22.01                 | 1.84       | 21.70     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 25     | 22.53                 | 1.84       | 22.22     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 49     | 22.54                 | 1.84       | 22.23     | <=38.45 | Pass    |      |
|                                    |                 | 25                                           | 0      | 21.35                 | 1.84       | 21.04     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 13     | 21.64                 | 1.84       | 21.33     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 25     | 21.95                 | 1.84       | 21.64     | <=38.45 | Pass    |      |
|                                    | 50              | 0                                            | 21.60  | 1.84                  | 21.29      | <=38.45   | Pass    |         |      |
|                                    | 16QAM           | 829                                          | 1      | 0                     | 22.45      | 1.84      | 22.14   | <=38.45 | Pass |
|                                    |                 |                                              |        | 25                    | 22.03      | 1.84      | 21.72   | <=38.45 | Pass |
|                                    |                 |                                              |        | 49                    | 21.37      | 1.84      | 21.06   | <=38.45 | Pass |
| 12                                 |                 |                                              | 0      | 21.96                 | 1.84       | 21.65     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 19     | 21.67                 | 1.84       | 21.36     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 38     | 21.15                 | 1.84       | 20.84     | <=38.45 | Pass    |      |
| 27                                 |                 |                                              | 0      | 21.03                 | 1.84       | 20.72     | <=38.45 | Pass    |      |
| 836.5                              |                 |                                              | 1      | 0                     | 21.26      | 1.84      | 20.95   | <=38.45 | Pass |
|                                    |                 |                                              |        | 25                    | 21.27      | 1.84      | 20.96   | <=38.45 | Pass |
|                                    |                 | 49                                           |        | 20.95                 | 1.84       | 20.64     | <=38.45 | Pass    |      |
|                                    |                 | 12                                           | 0      | 21.18                 | 1.84       | 20.87     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 19     | 21.16                 | 1.84       | 20.85     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 38     | 20.98                 | 1.84       | 20.67     | <=38.45 | Pass    |      |
| 27                                 |                 | 0                                            | 20.19  | 1.84                  | 19.88      | <=38.45   | Pass    |         |      |
| 844                                |                 | 1                                            | 0      | 20.83                 | 1.84       | 20.52     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 25     | 21.48                 | 1.84       | 21.17     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 49     | 21.60                 | 1.84       | 21.29     | <=38.45 | Pass    |      |
|                                    |                 | 12                                           | 0      | 21.19                 | 1.84       | 20.88     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 19     | 21.51                 | 1.84       | 21.20     | <=38.45 | Pass    |      |
|                                    |                 |                                              | 38     | 21.92                 | 1.84       | 21.61     | <=38.45 | Pass    |      |
|                                    |                 | 27                                           | 23     | 21.03                 | 1.84       | 20.72     | <=38.45 | Pass    |      |
|                                    |                 | 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 (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 836.5           | 50            | 0      | 20         | 3.40          | -2.009           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.60          | -5.436           | -0.0065               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.20          | -4.047           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.60          | -1.478           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.60          | -1.670           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.60          | -1.282           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.60          | -1.559           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.60          | -1.107           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.60          | -0.565           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.60          | -1.983           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.60          | -0.818           | -0.0010               | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band5\_OBW

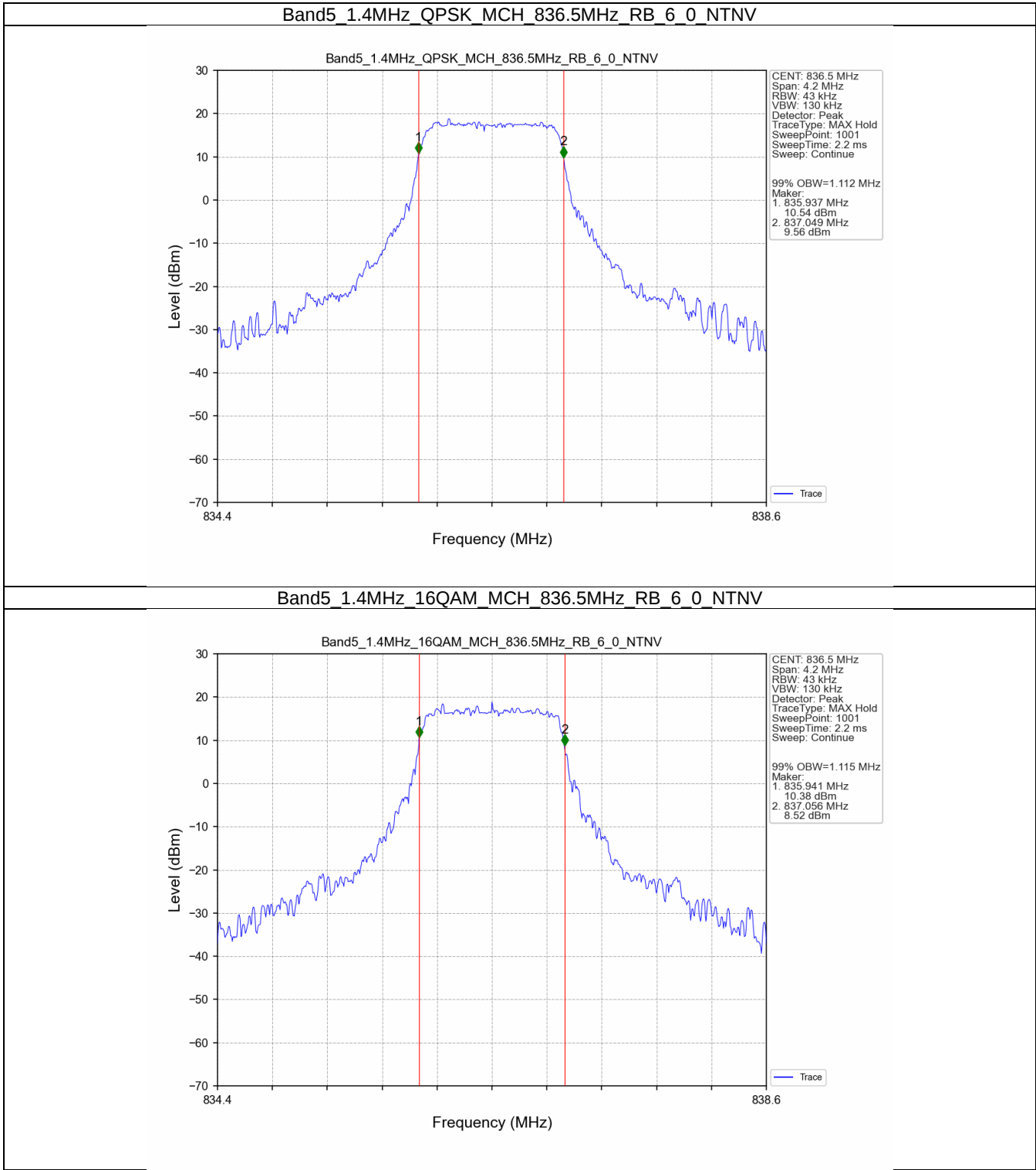
| Band: 5 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 836.5           | 6             | 0      | 1.112                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 6             | 0      | 1.115                        | /     | Pass    |
| 3               | QPSK       | 836.5           | 15            | 0      | 2.724                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 15            | 0      | 2.736                        | /     | Pass    |
| 5               | QPSK       | 836.5           | 25            | 0      | 4.513                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 25            | 0      | 4.524                        | /     | Pass    |
| 10              | QPSK       | 836.5           | 50            | 0      | 9.011                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 27            | 0      | 5.467                        | /     | Pass    |

##### 3.1.2 Band5\_XDB

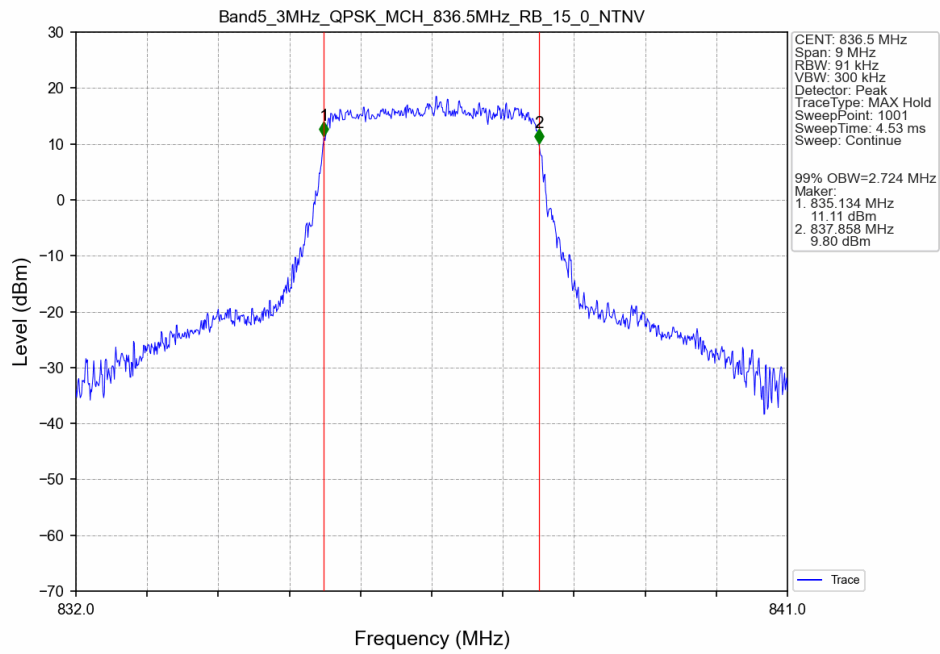
| Band: 5 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 836.5           | 6             | 0      | 1.526                | /     | Pass    |
|                 | 16QAM      | 836.5           | 6             | 0      | 1.446                | /     | Pass    |
| 3               | QPSK       | 836.5           | 15            | 0      | 3.228                | /     | Pass    |
|                 | 16QAM      | 836.5           | 15            | 0      | 3.309                | /     | Pass    |
| 5               | QPSK       | 836.5           | 25            | 0      | 5.132                | /     | Pass    |
|                 | 16QAM      | 836.5           | 25            | 0      | 5.148                | /     | Pass    |
| 10              | QPSK       | 836.5           | 50            | 0      | 9.802                | /     | Pass    |
|                 | 16QAM      | 836.5           | 27            | 0      | 8.845                | /     | Pass    |

### 3.2 Test Graph

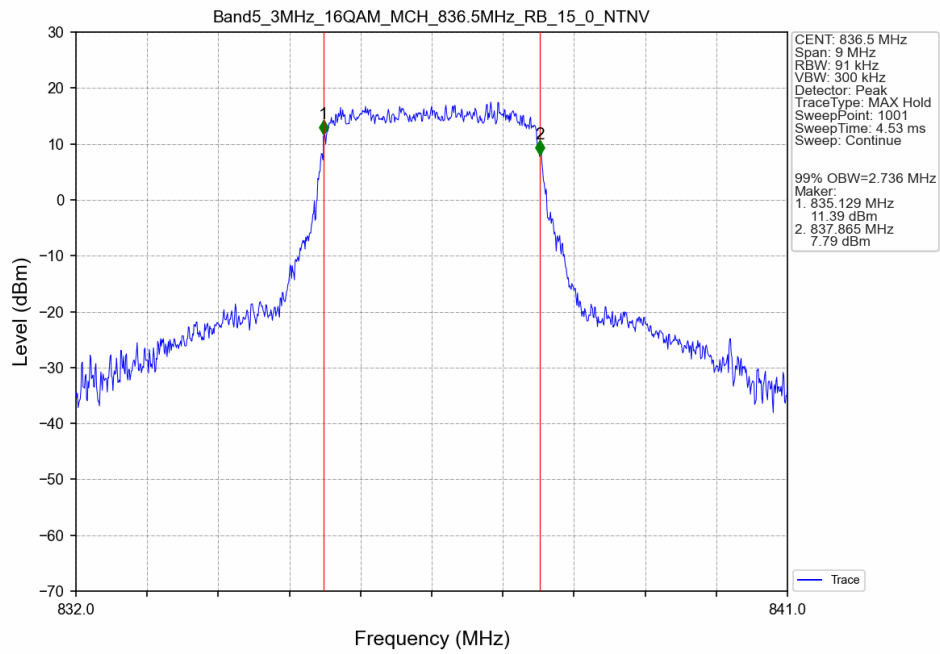
#### 3.2.1 Band5\_OBW



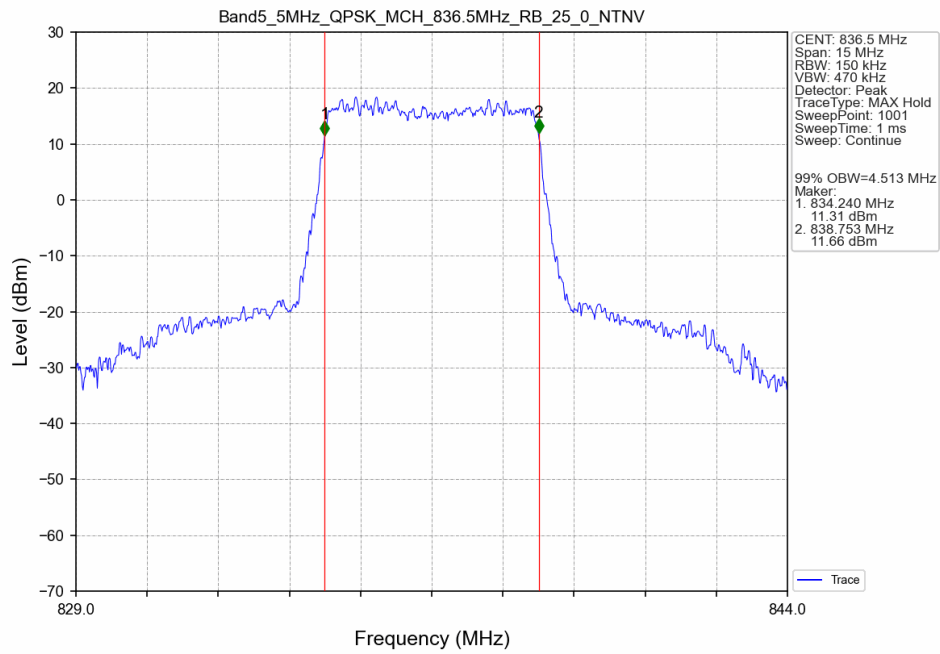
# Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



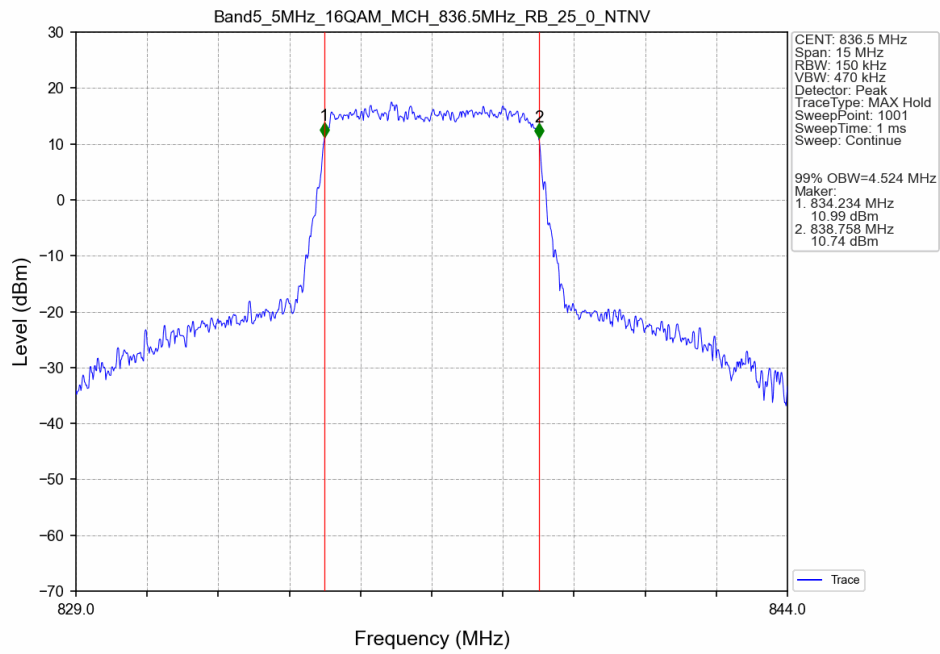
# Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



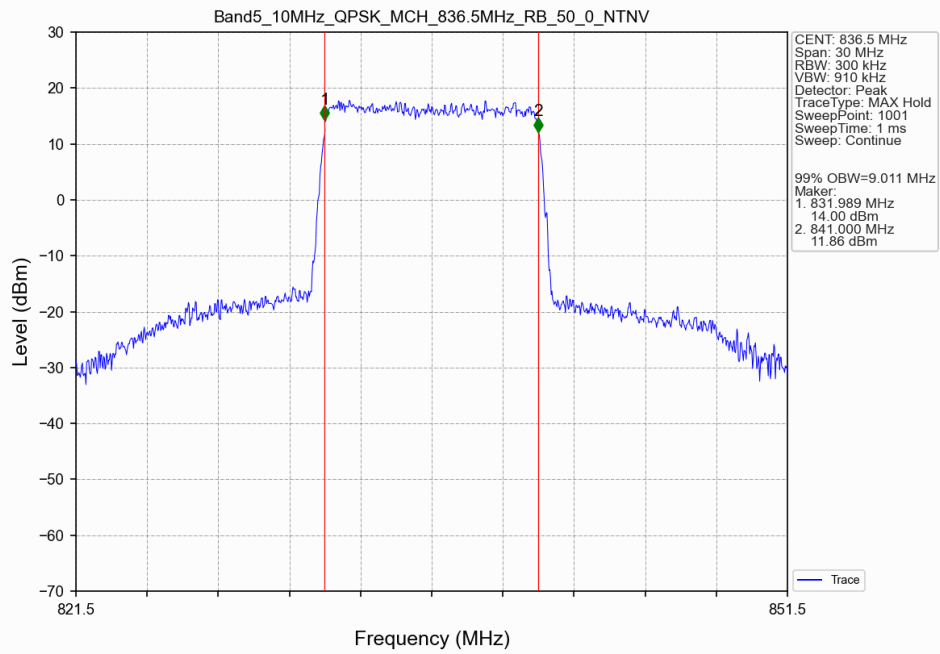
# Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



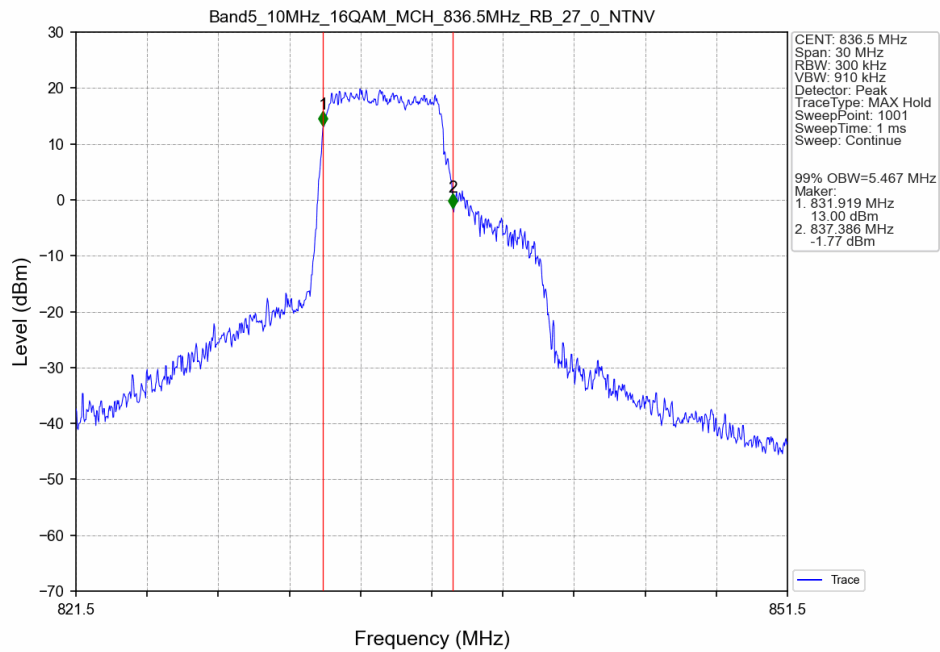
# Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



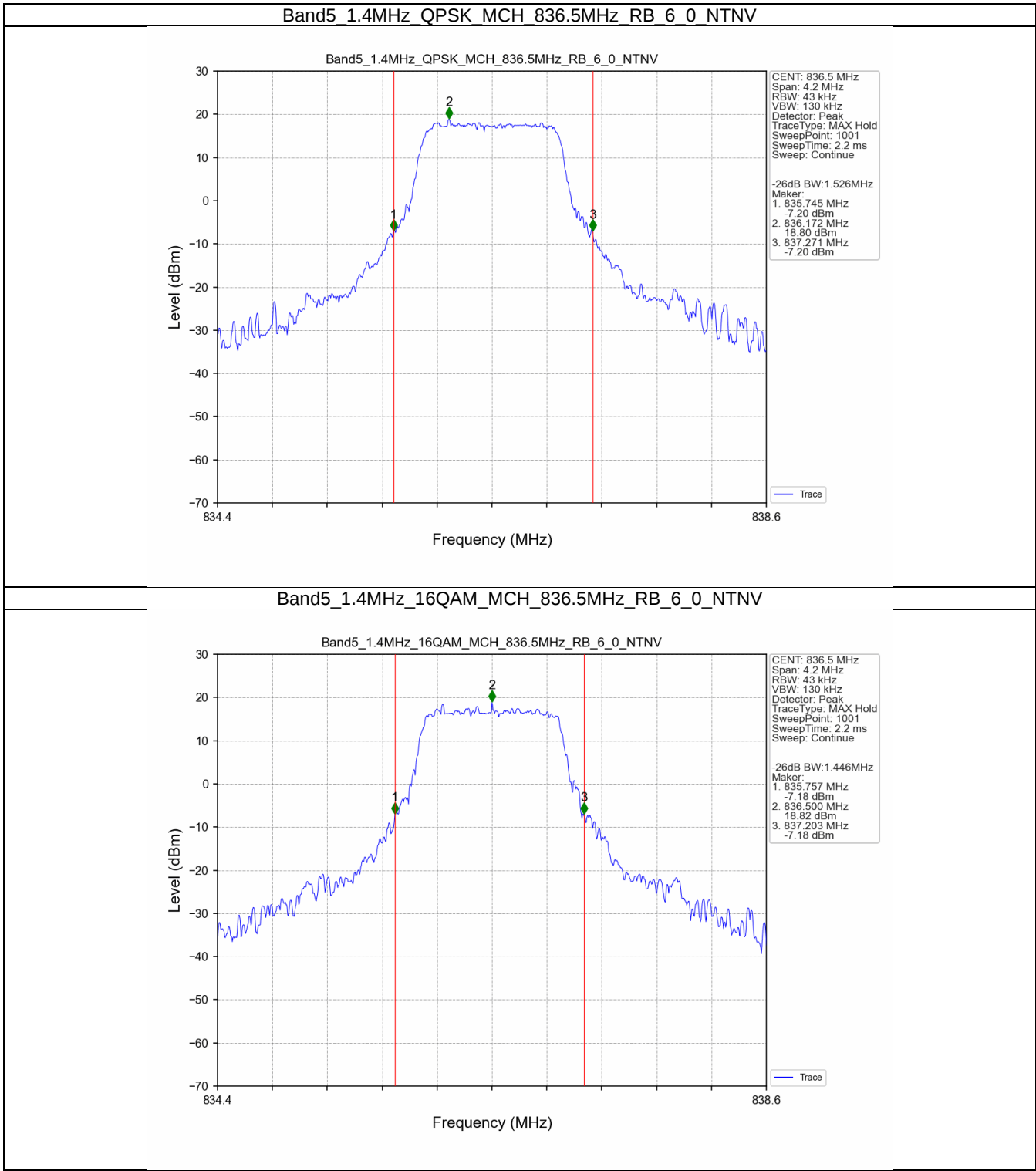
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



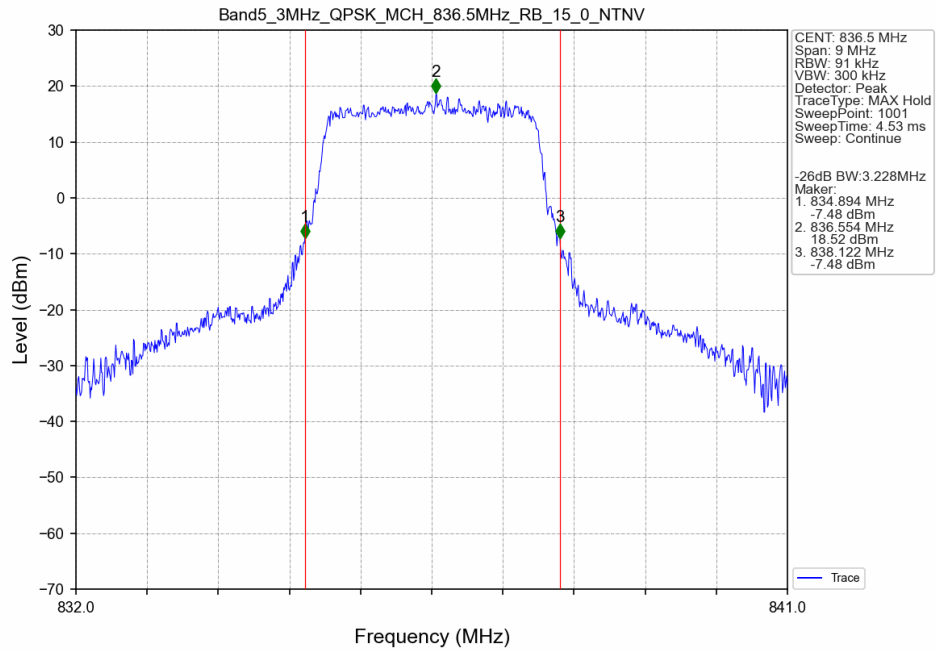
Band5 10MHz 16QAM MCH 836.5MHz RB 27 0 NTN



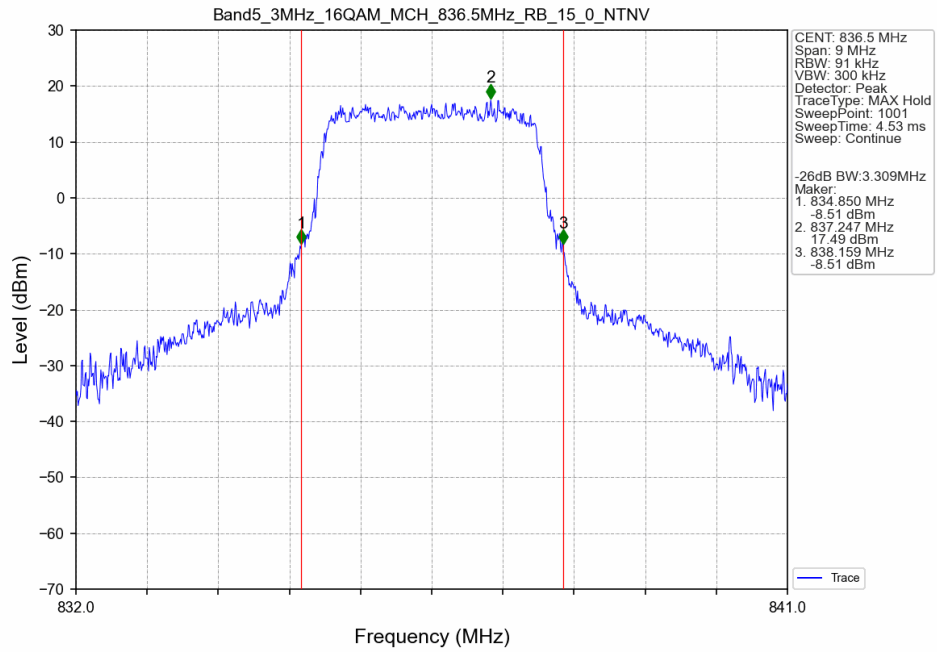
3.2.2 Band5\_XDB



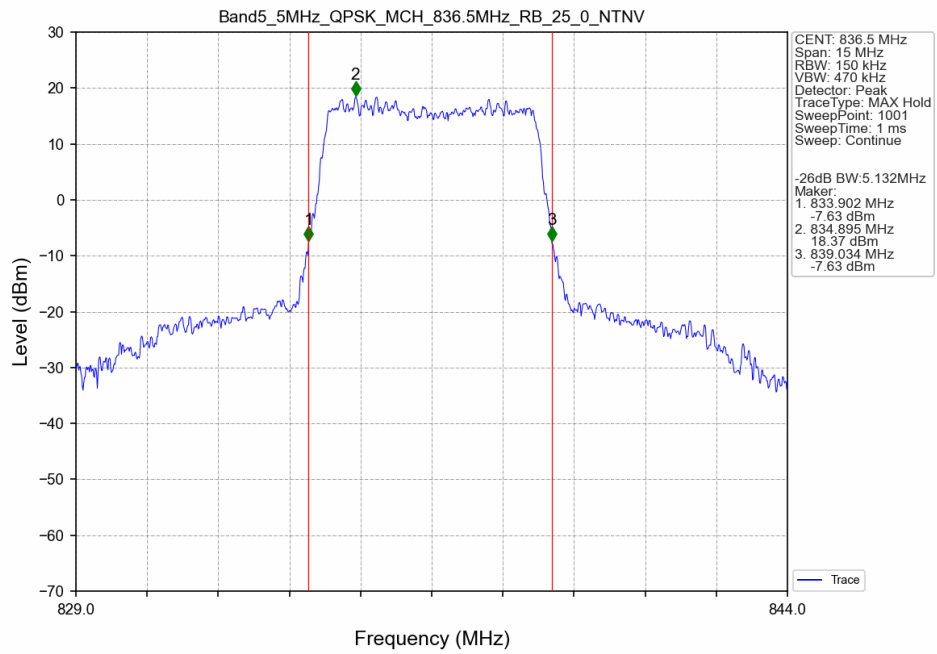
# Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



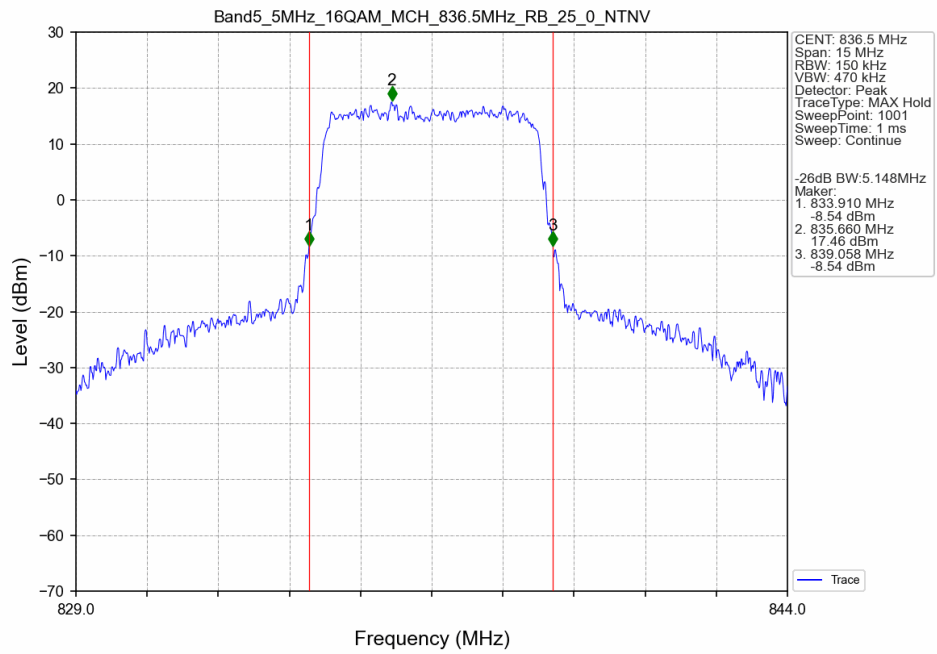
# Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



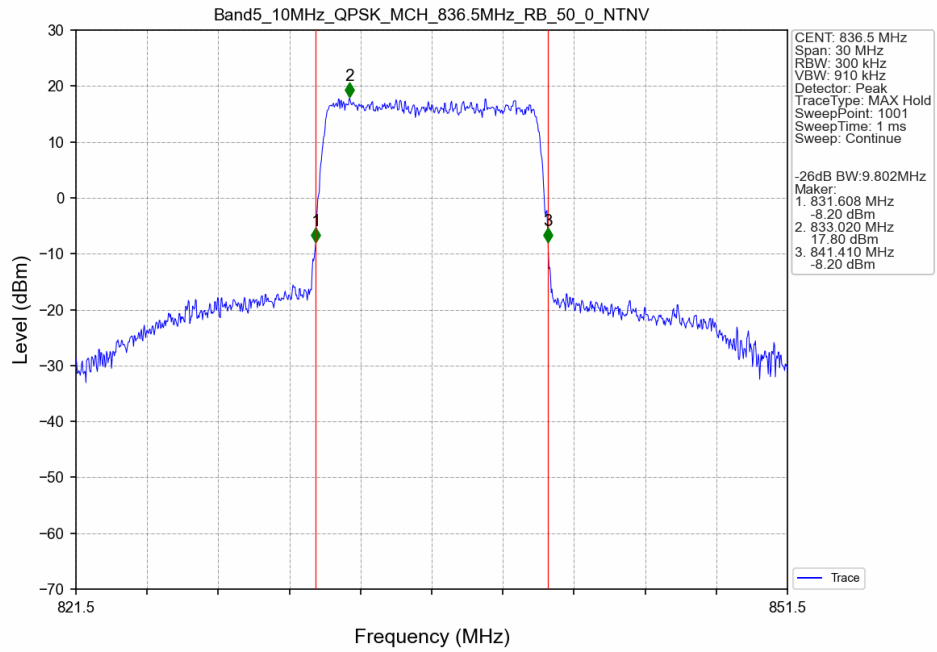
# Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



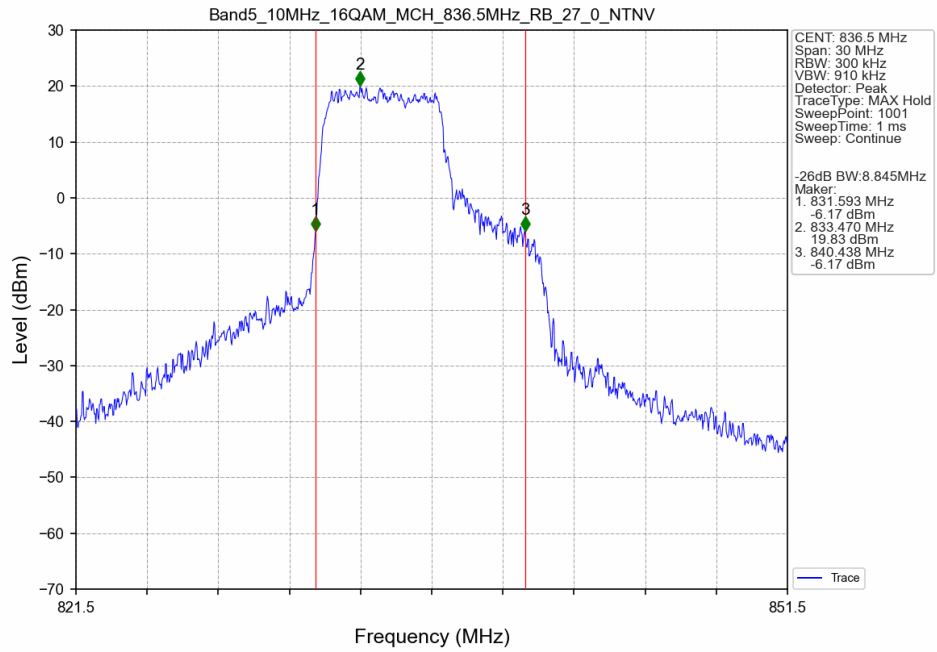
# Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



Band5 10MHz 16QAM MCH 836.5MHz RB 27 0 NTN



4. Peak-Average Ratio

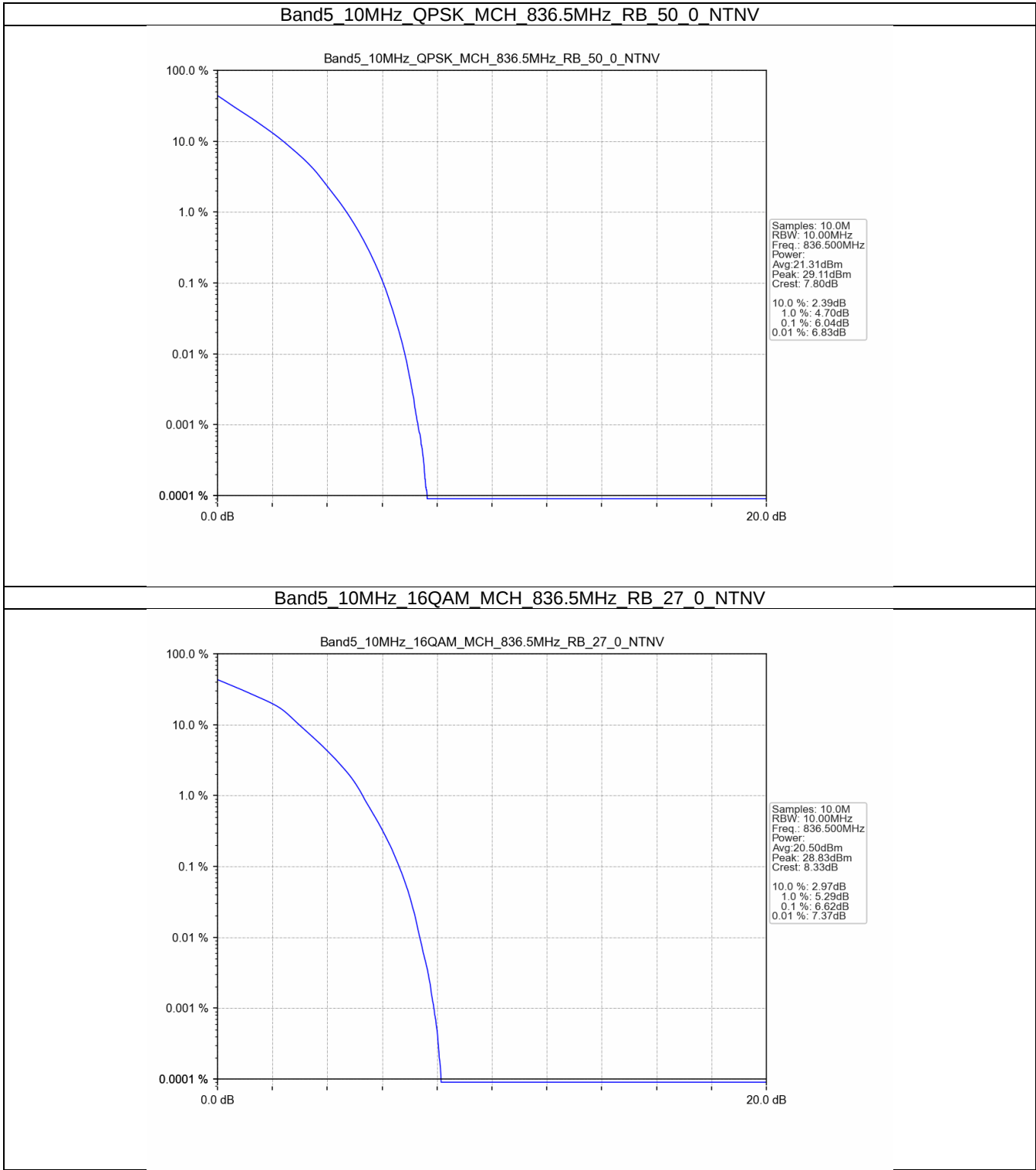
4.1 Test Result

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      | 6.04                    | <=13  | Pass    |
| 16QAM                             | 836.5              | 27            | 0      | 6.62                    | <=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

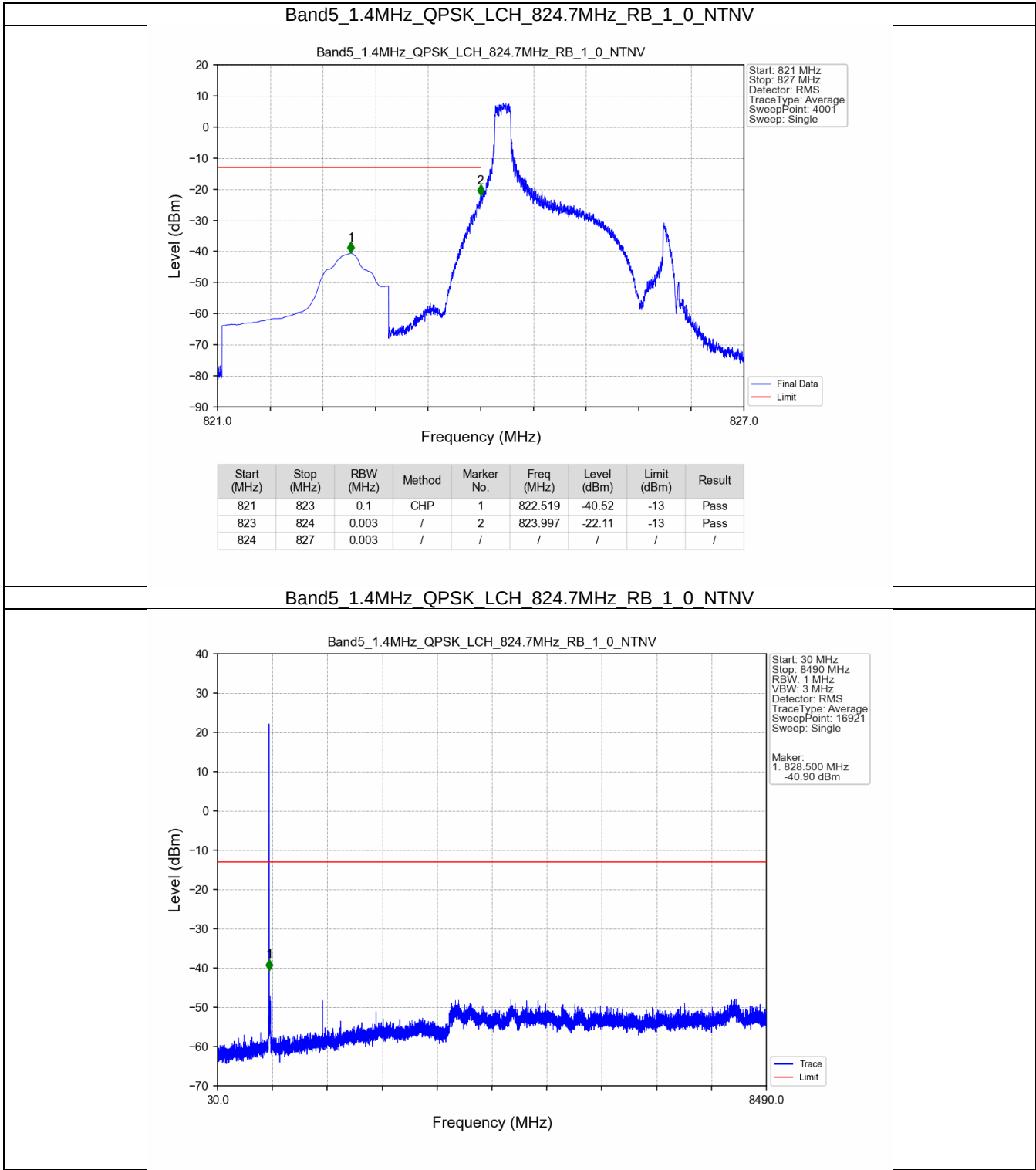
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation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

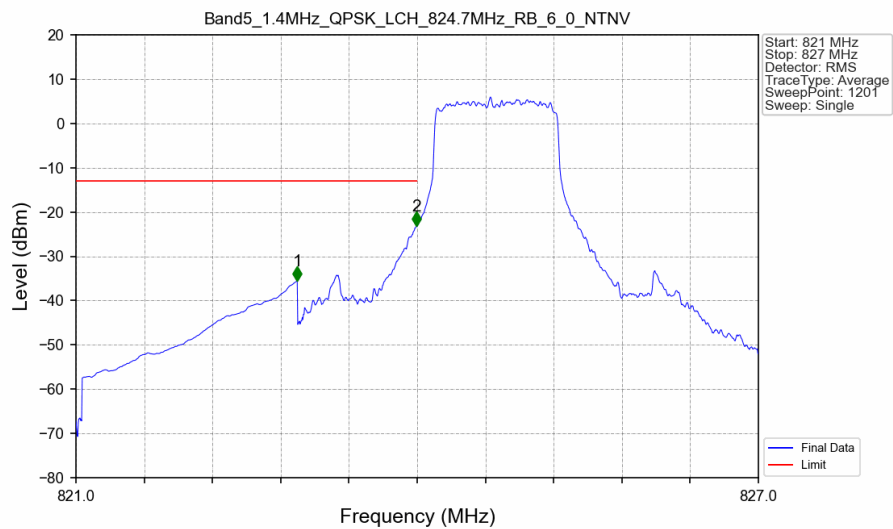
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB 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    |

5.2 Test Graph

5.2.1 B5\_1.4MHz

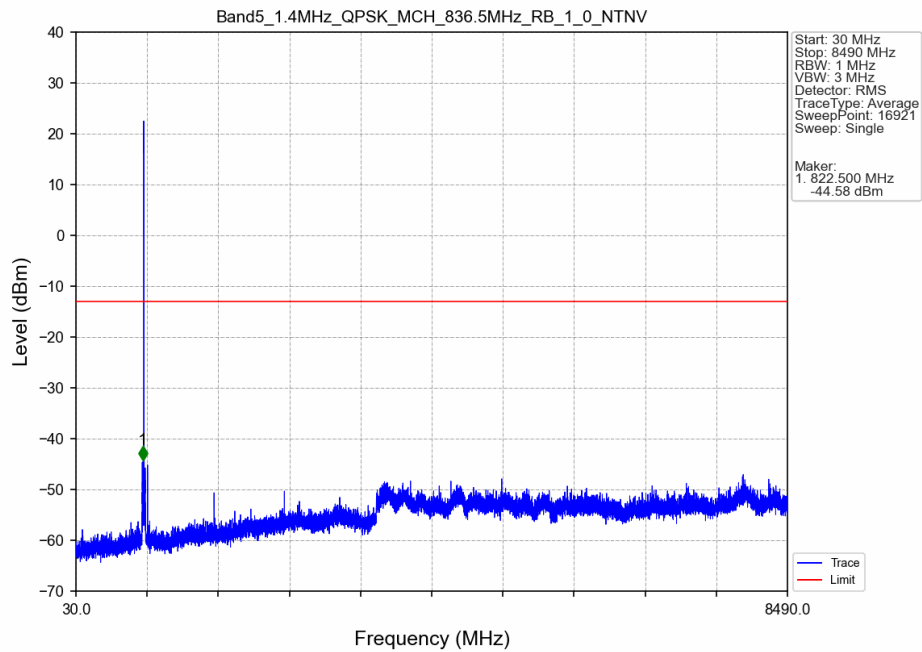


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

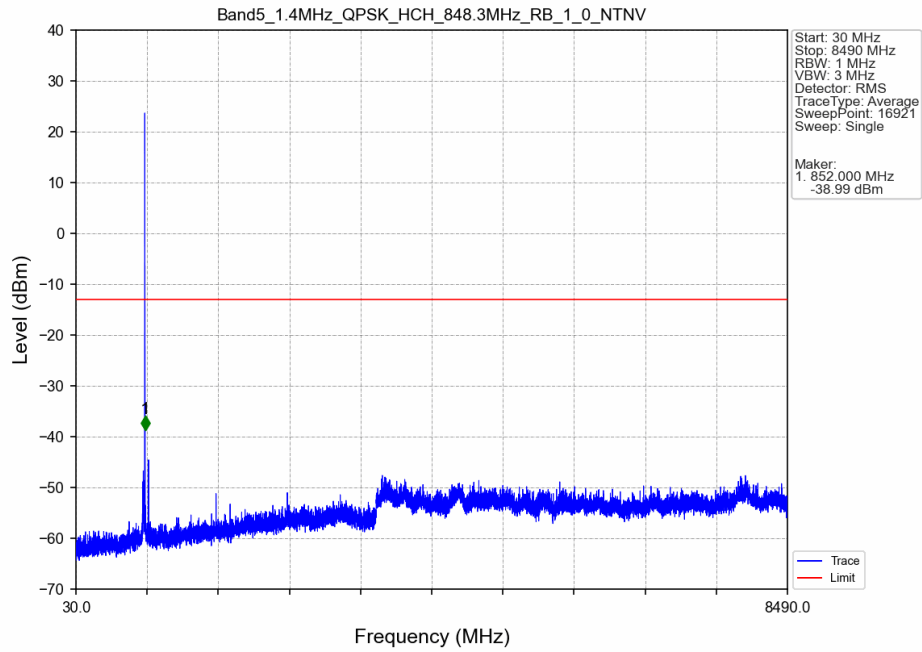


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -35.50      | -13         | Pass   |
| 823         | 824        | 0.015     | CHP    | 2          | 823.995    | -23.11      | -13         | Pass   |
| 824         | 827        | 0.015     | CHP    | /          | /          | /           | /           | /      |

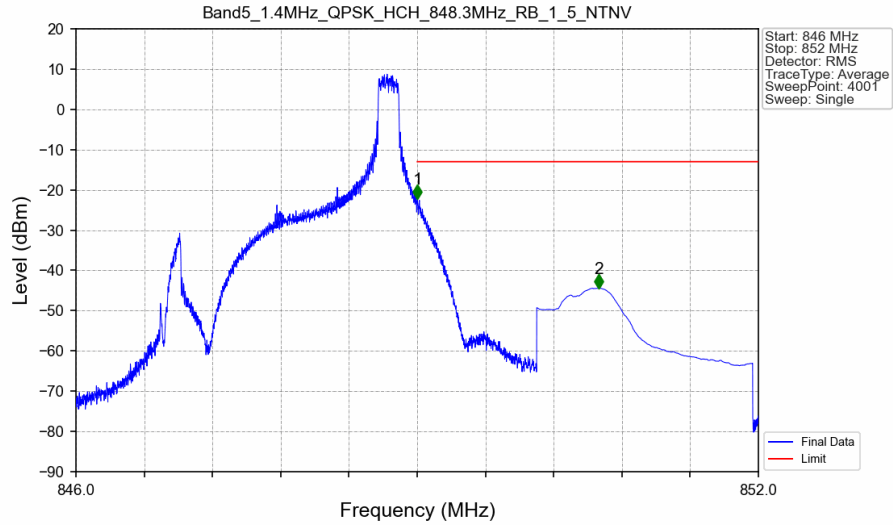
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



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

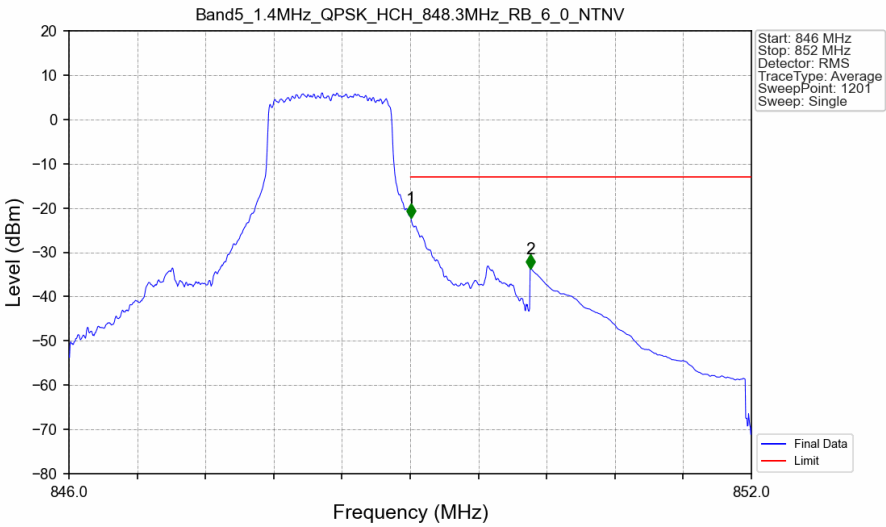


# Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



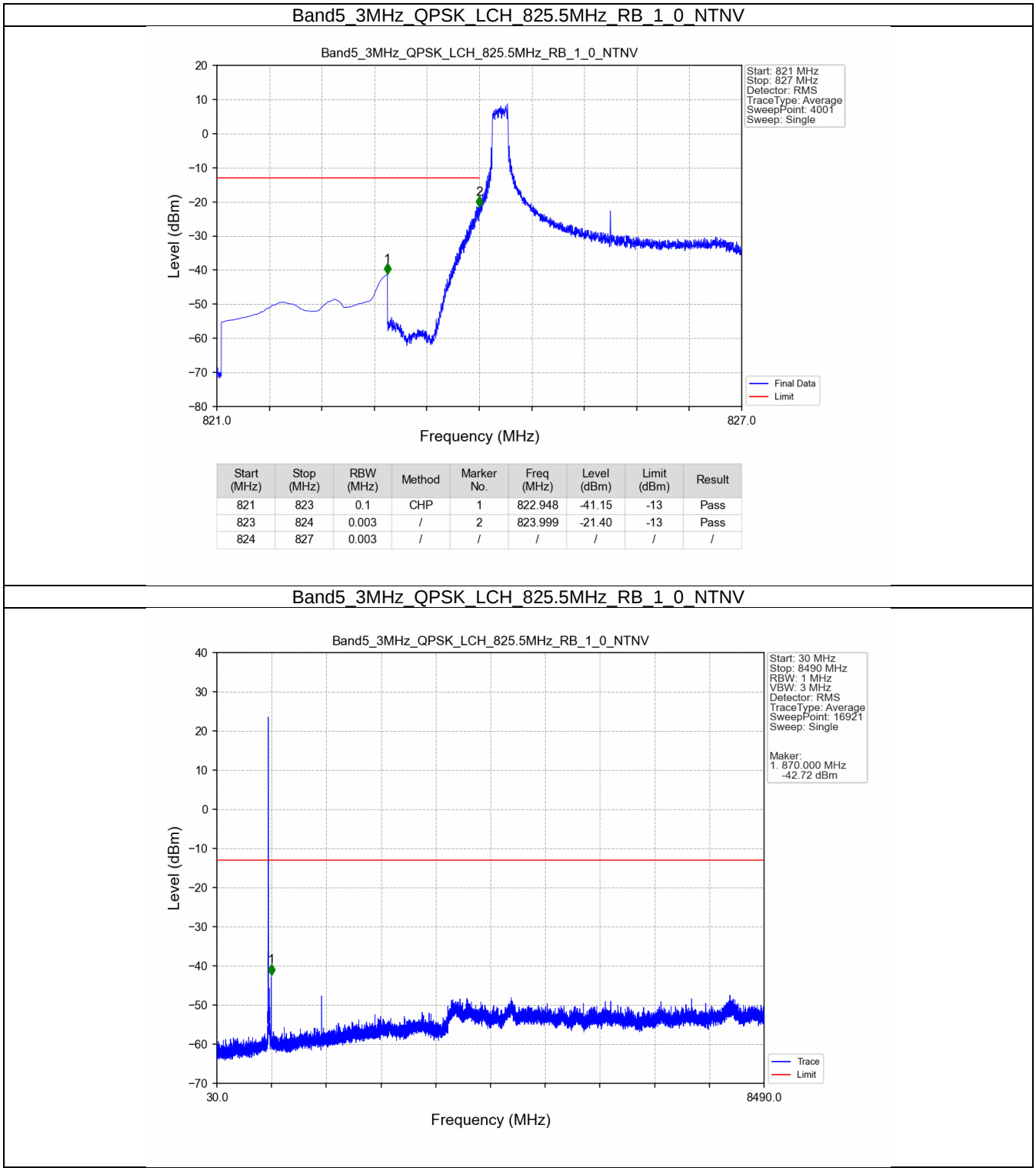
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.001    | -22.15      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.596    | -44.37      | -13         | Pass   |

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN

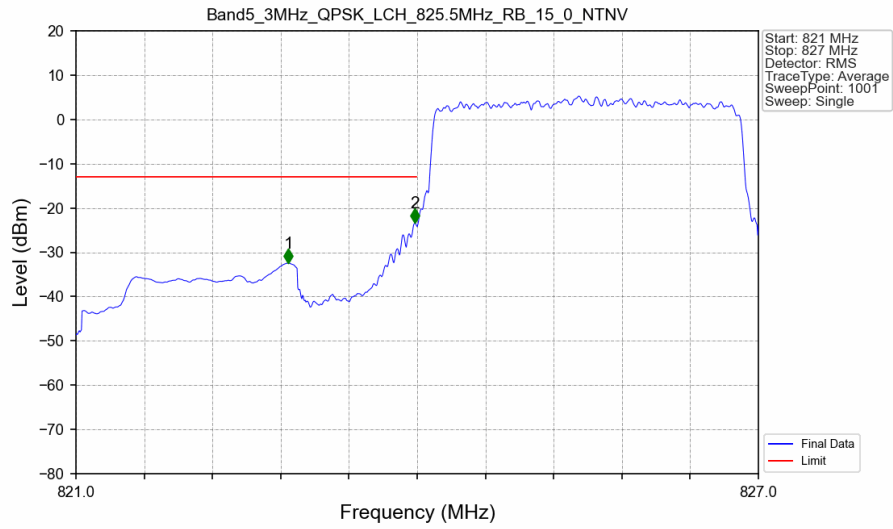


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.015     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.015     | CHP    | 1          | 849.005    | -22.20      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -33.64      | -13         | Pass   |

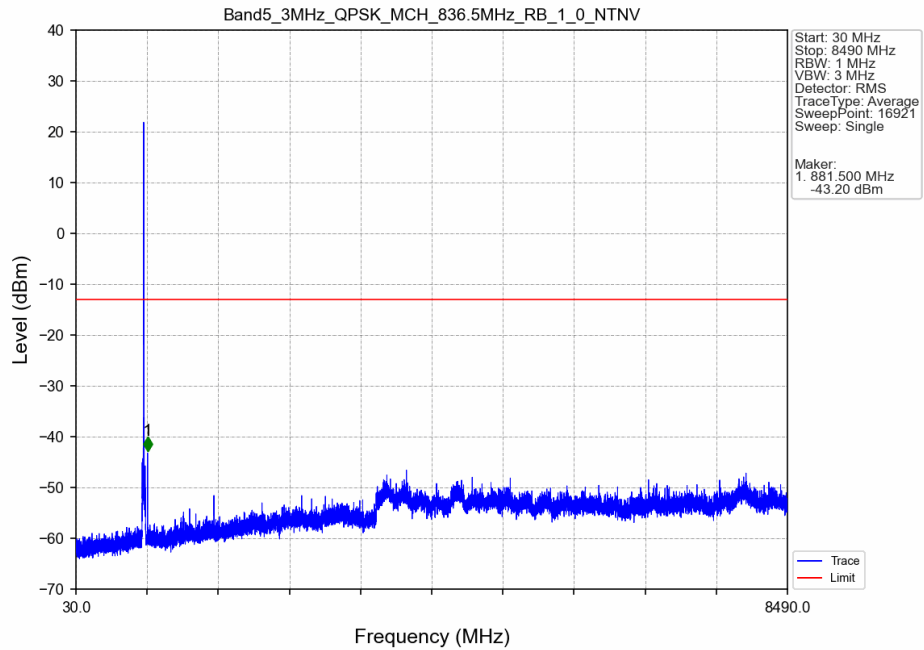
5.2.2 B5\_3MHz



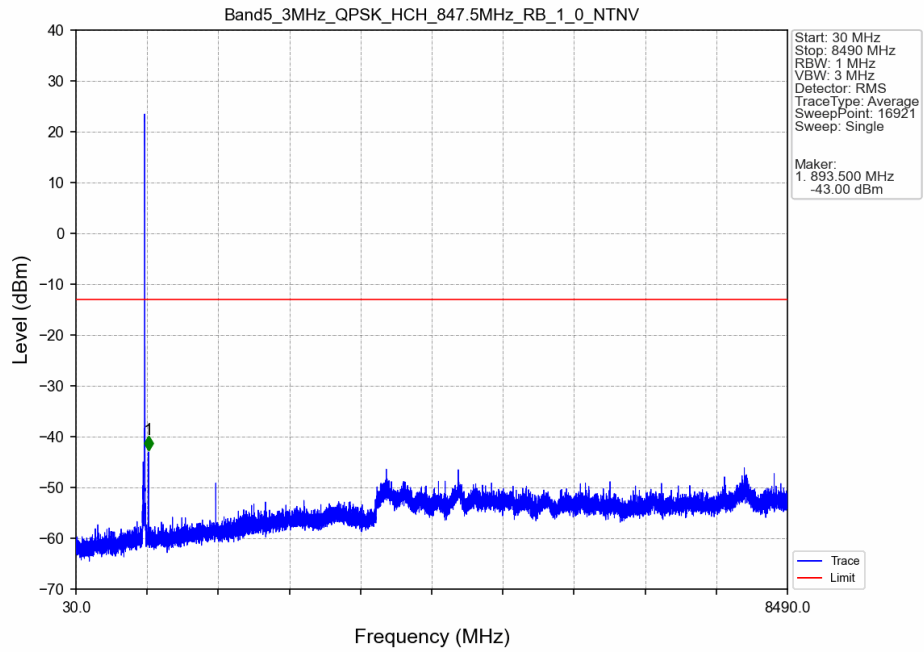
# Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



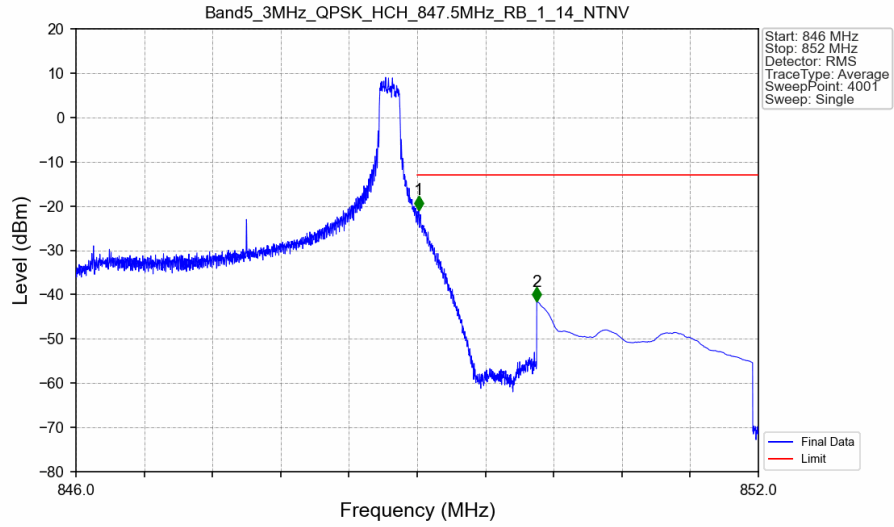
# Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



# Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTV

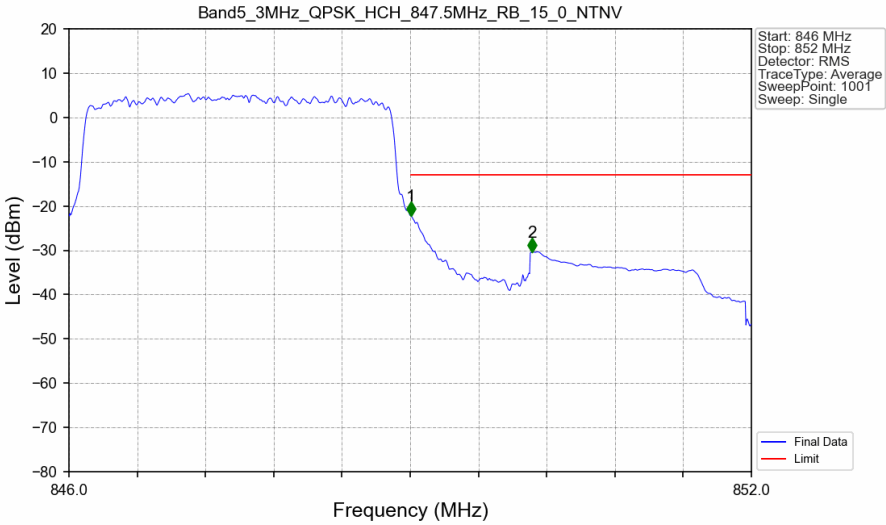


# Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTV



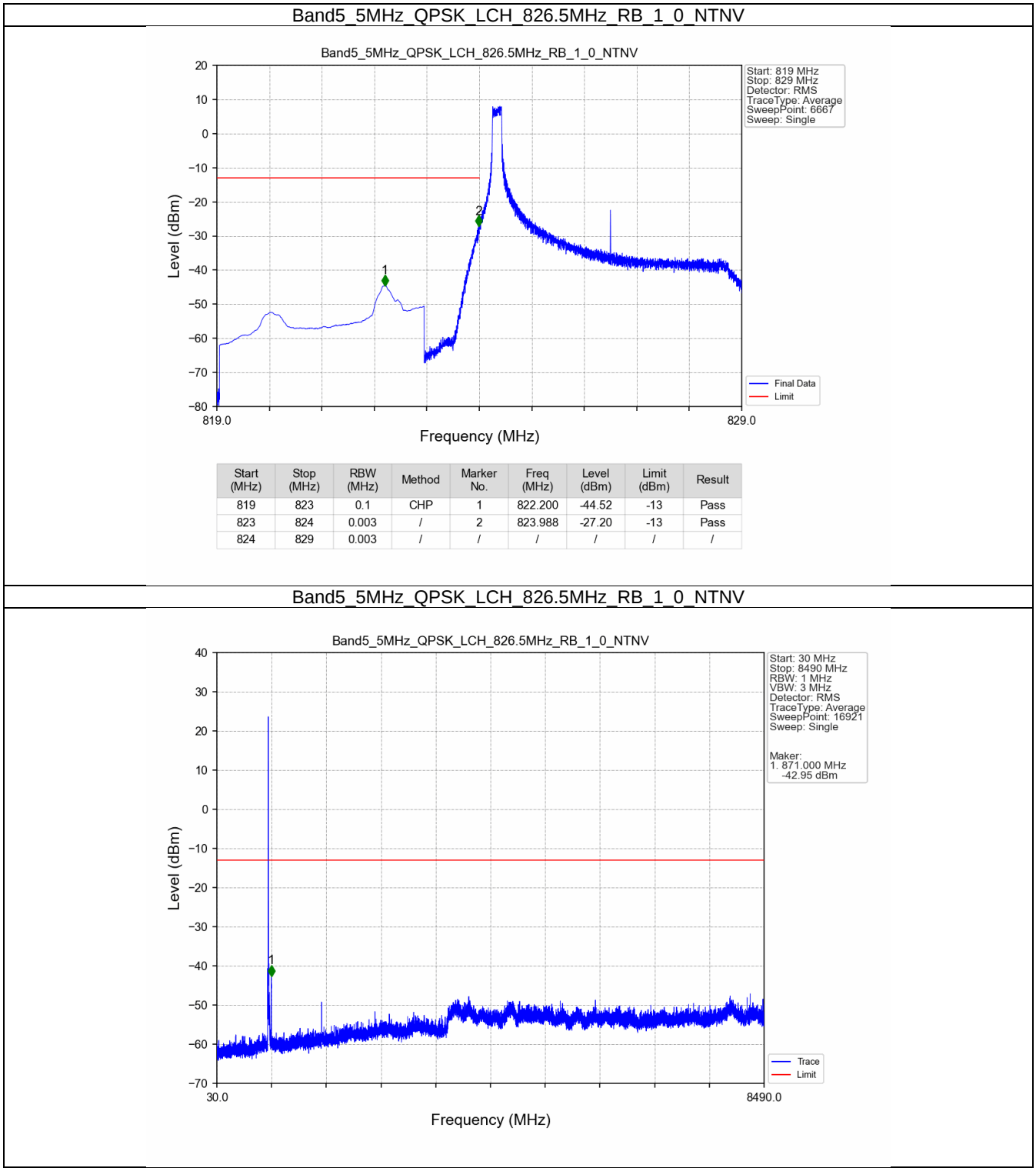
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.014    | -20.84      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.052    | -41.53      | -13         | Pass   |

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

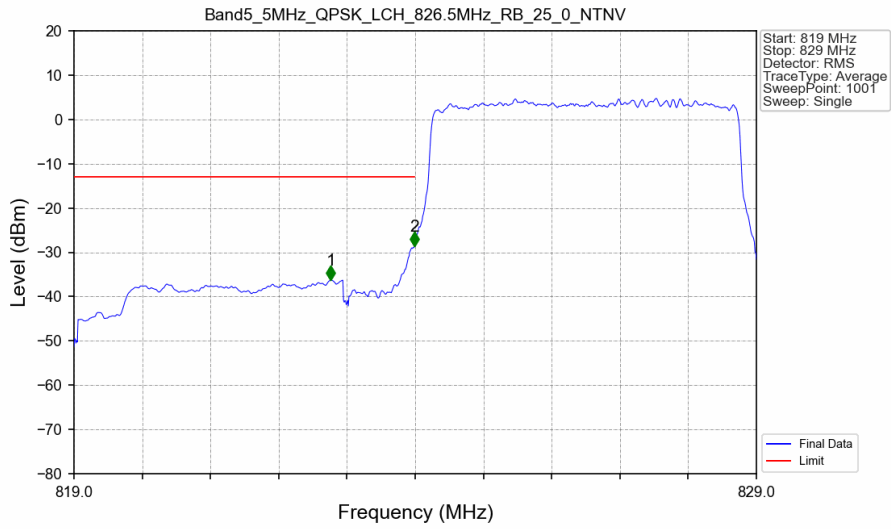


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.032     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.032     | CHP    | 1          | 849.006    | -22.24      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.074    | -30.36      | -13         | Pass   |

5.2.3 B5\_5MHz

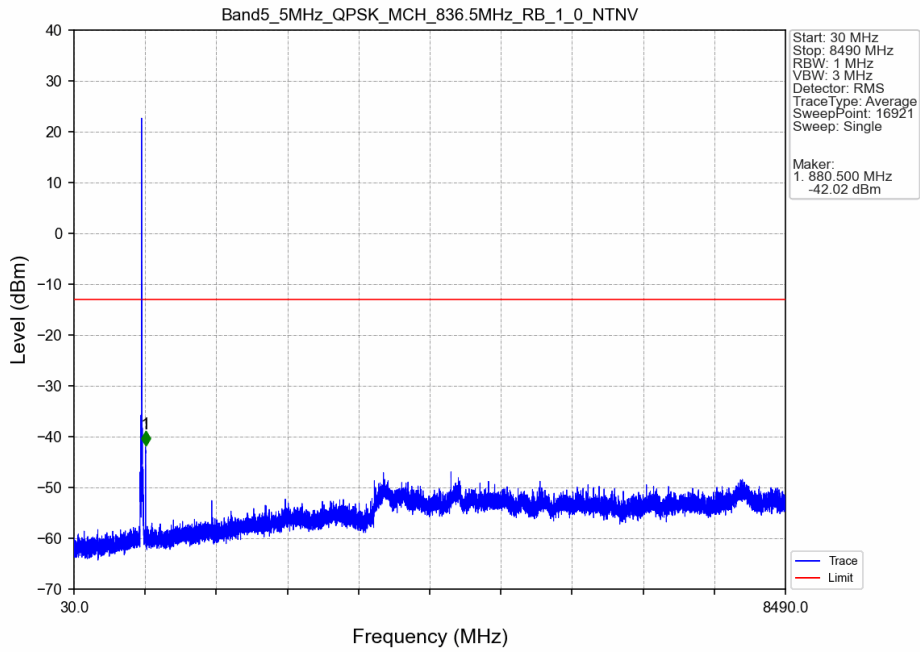


Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTNV

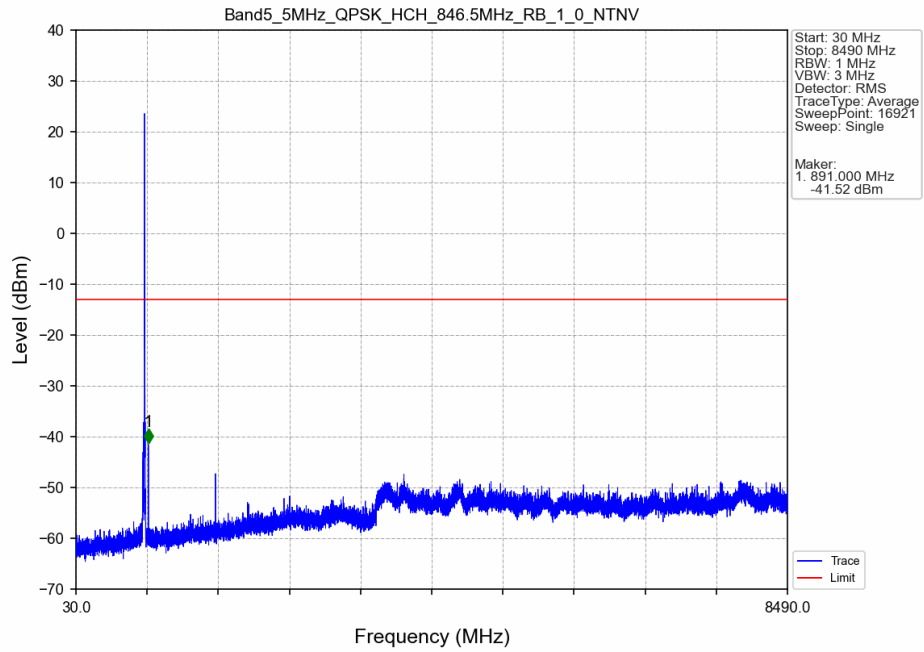


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.760    | -36.28      | -13         | Pass   |
| 823         | 824        | 0.051     | CHP    | 2          | 823.990    | -28.56      | -13         | Pass   |
| 824         | 829        | 0.051     | CHP    | /          | /          | /           | /           | /      |

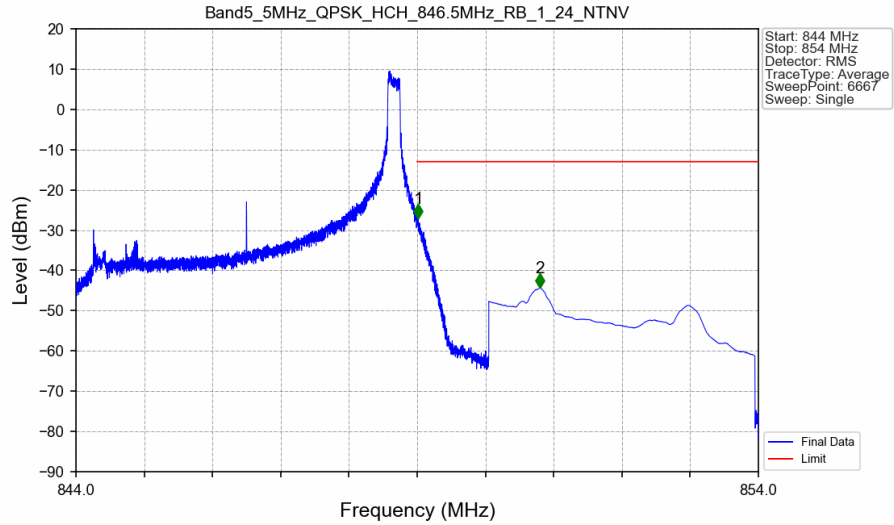
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



# Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTV

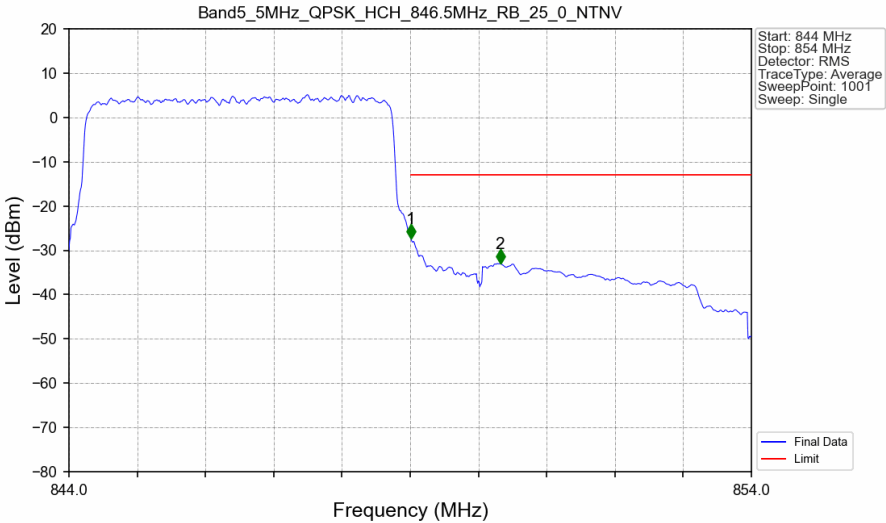


# Band5 5MHz QPSK HCH 846.5MHz RB 1 24 NTV



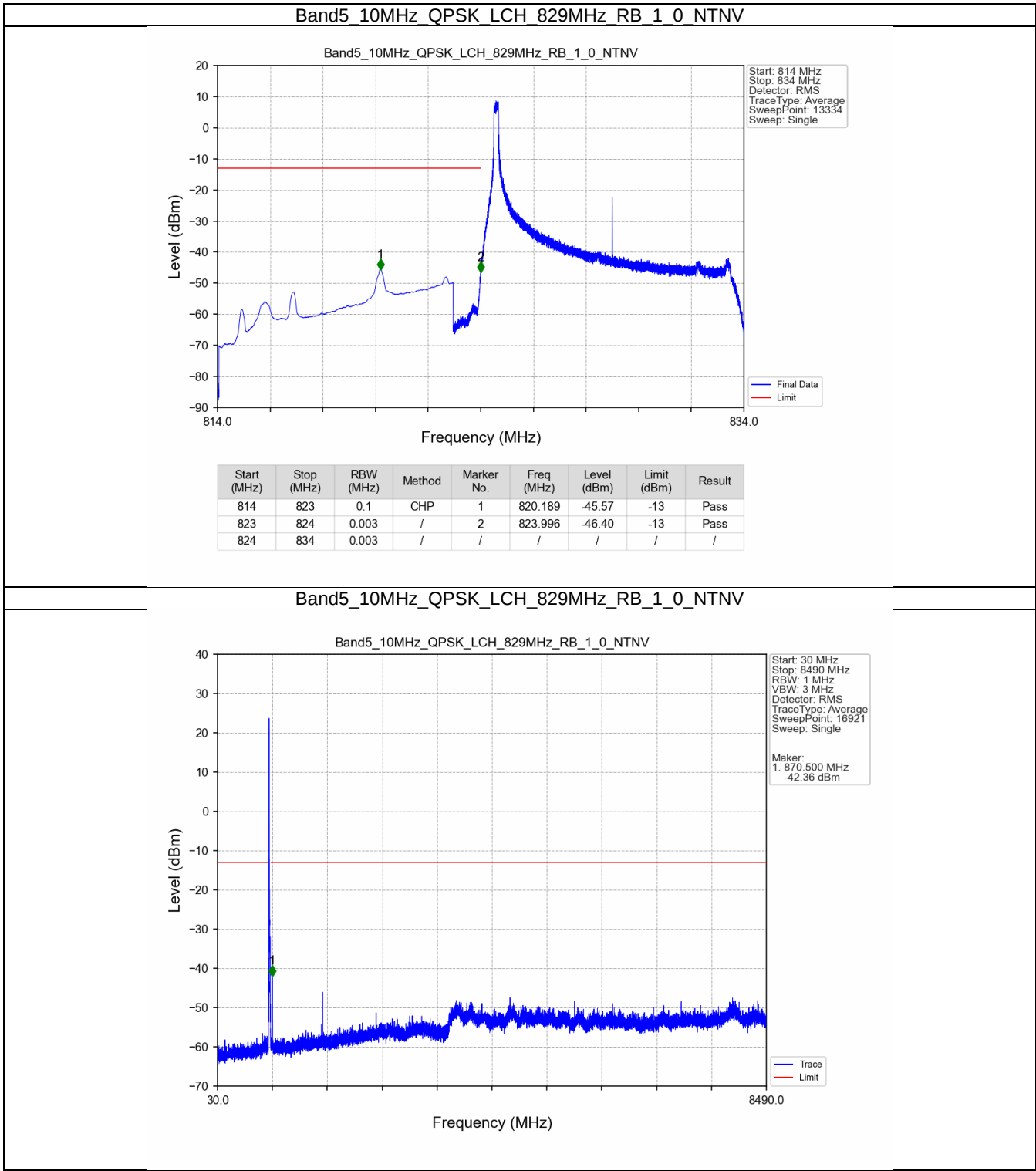
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.014    | -27.12      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.797    | -44.30      | -13         | Pass   |

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV

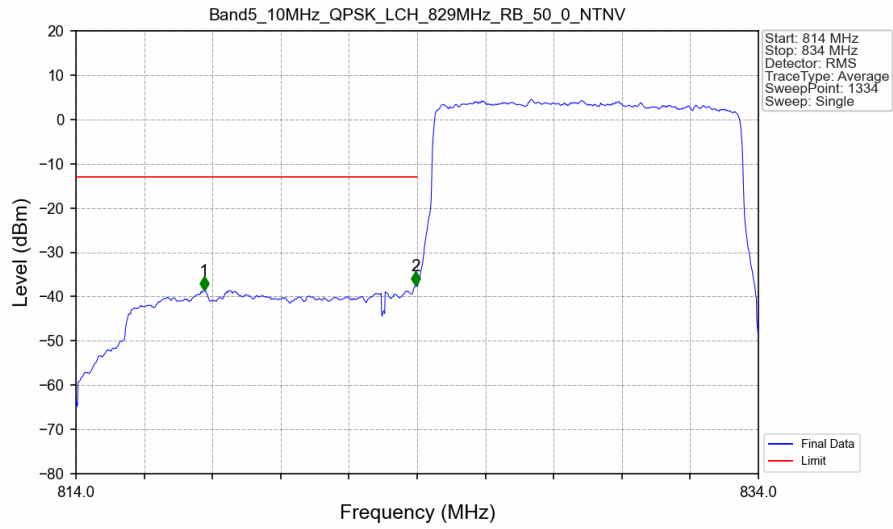


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.051     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.051     | CHP    | 1          | 849.010    | -27.28      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.320    | -33.00      | -13         | Pass   |

5.2.4 B5\_10MHz

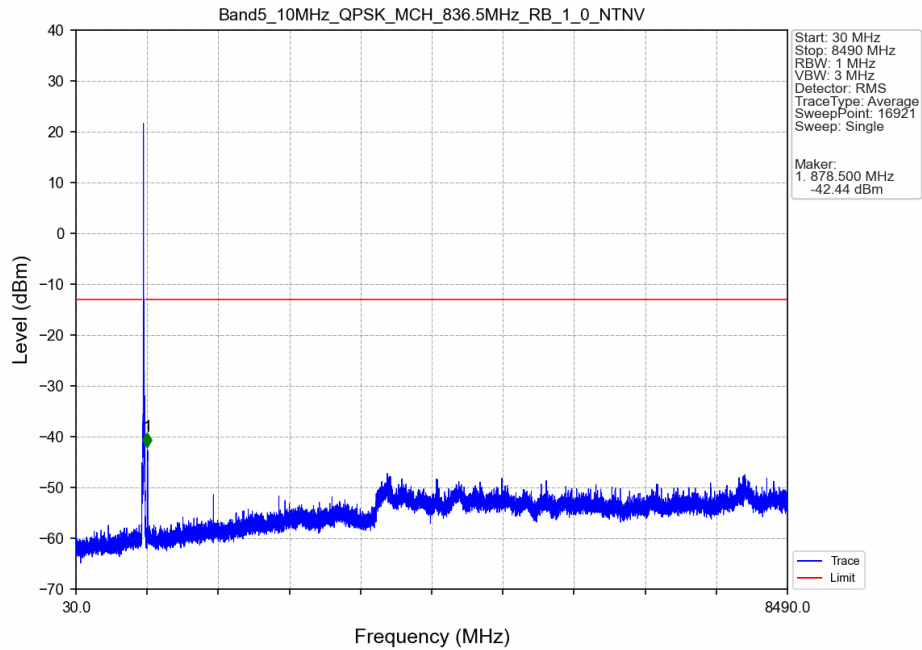


# Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV

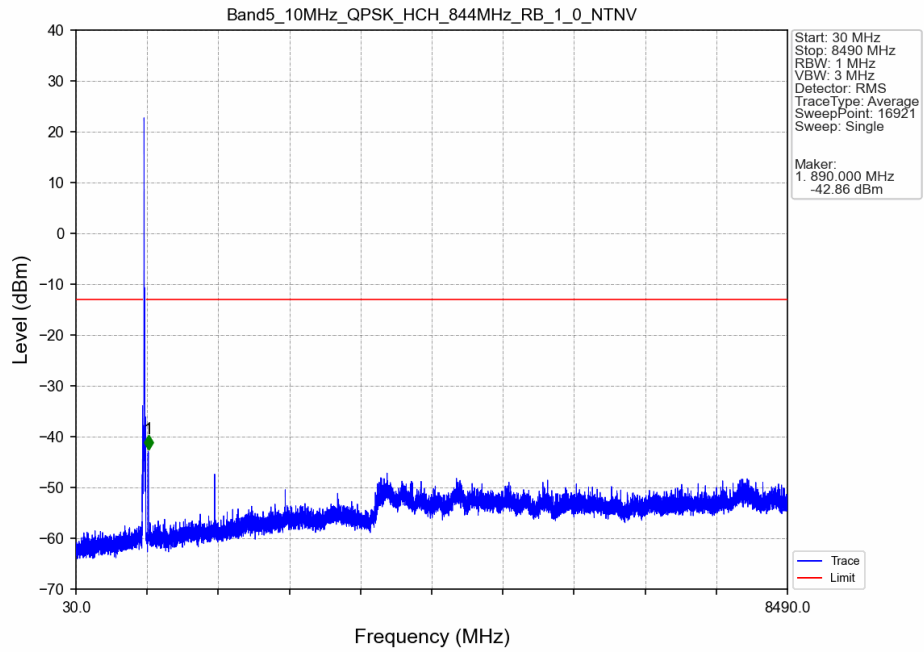


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 823        | 0.1       | CHP    | 1          | 817.751    | -38.60      | -13         | Pass   |
| 823         | 824        | 0.098     | CHP    | 2          | 823.962    | -37.49      | -13         | Pass   |
| 824         | 834        | 0.098     | CHP    | /          | /          | /           | /           | /      |

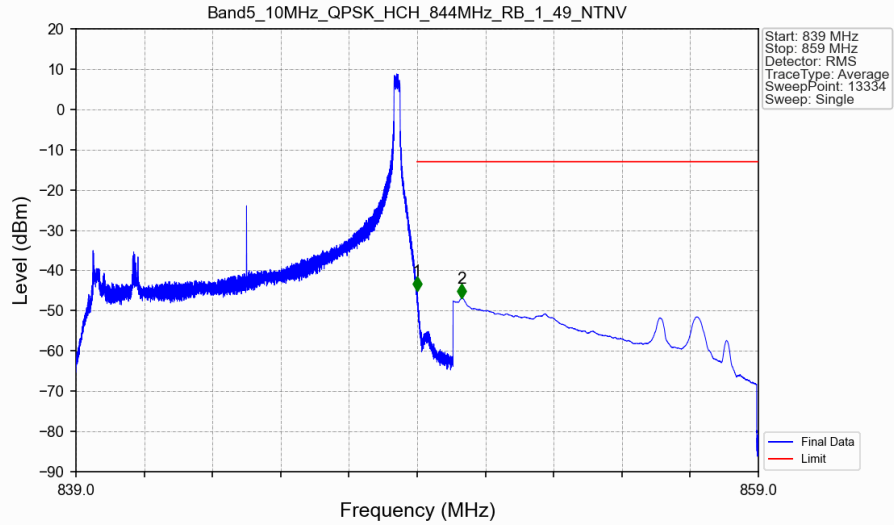
# Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTNV



# Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

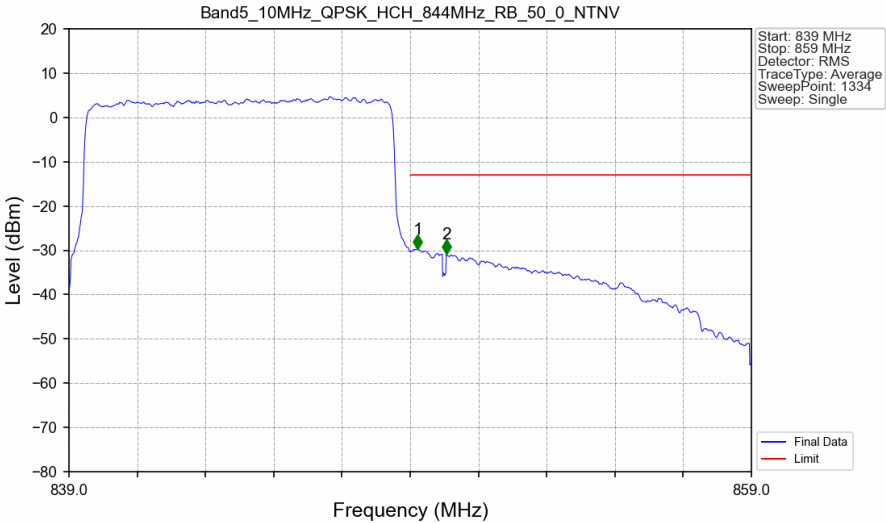


# Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



| 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          | 849.001    | -45.11      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.301    | -46.81      | -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        | 0.098     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.098     | CHP    | 1          | 849.218    | -29.70      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.058    | -30.85      | -13         | Pass   |

-The End-