

# 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      | 24.01                 | 1.30       | 23.16     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.90                 | 1.30       | 23.05     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 24.00                 | 1.30       | 23.15     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.99                 | 1.30       | 23.14     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 24.01                 | 1.30       | 23.16     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.99                 | 1.30       | 23.14     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 23.03                 | 1.30       | 22.18     | <=38.45 | Pass    |
|                                    | 836.5           | 1             | 0      | 24.01                 | 1.30       | 23.16     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 24.00                 | 1.30       | 23.15     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 24.07                 | 1.30       | 23.22     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.95                 | 1.30       | 23.10     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.98                 | 1.30       | 23.13     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.92                 | 1.30       | 23.07     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 23.01                 | 1.30       | 22.16     | <=38.45 | Pass    |
|                                    | 848.3           | 1             | 0      | 24.06                 | 1.30       | 23.21     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.94                 | 1.30       | 23.09     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.87                 | 1.30       | 23.02     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 24.02                 | 1.30       | 23.17     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 24.08                 | 1.30       | 23.23     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 24.04                 | 1.30       | 23.19     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 23.05                 | 1.30       | 22.20     | <=38.45 | Pass    |
| 16QAM                              | 824.7           | 1             | 0      | 23.28                 | 1.30       | 22.43     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.23                 | 1.30       | 22.38     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.13                 | 1.30       | 22.28     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.95                 | 1.30       | 22.10     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.63                 | 1.30       | 21.78     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 22.84                 | 1.30       | 21.99     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.02                 | 1.30       | 21.17     | <=38.45 | Pass    |
|                                    | 836.5           | 1             | 0      | 23.14                 | 1.30       | 22.29     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.26                 | 1.30       | 22.41     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.10                 | 1.30       | 22.25     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.87                 | 1.30       | 22.02     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.93                 | 1.30       | 22.08     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 22.92                 | 1.30       | 22.07     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 21.99                 | 1.30       | 21.14     | <=38.45 | Pass    |
|                                    | 848.3           | 1             | 0      | 23.25                 | 1.30       | 22.40     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.17                 | 1.30       | 22.32     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.19                 | 1.30       | 22.34     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.96                 | 1.30       | 22.11     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.00                 | 1.30       | 22.15     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.03                 | 1.30       | 22.18     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.00                 | 1.30       | 21.15     | <=38.45 | Pass    |
| 64QAM                              | 824.7           | 1             | 0      | 22.20                 | 1.30       | 21.35     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 21.94                 | 1.30       | 21.09     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 21.97                 | 1.30       | 21.12     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.02                 | 1.30       | 21.17     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.04                 | 1.30       | 21.19     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 22.01                 | 1.30       | 21.16     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 20.92                 | 1.30       | 20.07     | <=38.45 | Pass    |

|        |       |   |   |       |      |       |         |      |
|--------|-------|---|---|-------|------|-------|---------|------|
|        | 836.5 | 1 | 0 | 22.23 | 1.30 | 21.38 | <=38.45 | Pass |
|        |       |   | 2 | 22.19 | 1.30 | 21.34 | <=38.45 | Pass |
|        |       |   | 5 | 22.09 | 1.30 | 21.24 | <=38.45 | Pass |
|        |       | 3 | 0 | 21.93 | 1.30 | 21.08 | <=38.45 | Pass |
|        |       |   | 2 | 22.08 | 1.30 | 21.23 | <=38.45 | Pass |
|        |       |   | 3 | 22.01 | 1.30 | 21.16 | <=38.45 | Pass |
|        |       | 6 | 0 | 20.93 | 1.30 | 20.08 | <=38.45 | Pass |
|        | 848.3 | 1 | 0 | 22.14 | 1.30 | 21.29 | <=38.45 | Pass |
|        |       |   | 2 | 22.00 | 1.30 | 21.15 | <=38.45 | Pass |
|        |       |   | 5 | 22.12 | 1.30 | 21.27 | <=38.45 | Pass |
|        |       | 3 | 0 | 22.11 | 1.30 | 21.26 | <=38.45 | Pass |
|        |       |   | 2 | 22.07 | 1.30 | 21.22 | <=38.45 | Pass |
|        |       |   | 3 | 21.96 | 1.30 | 21.11 | <=38.45 | Pass |
|        |       | 6 | 0 | 21.00 | 1.30 | 20.15 | <=38.45 | Pass |
| 256QAM | 824.7 | 1 | 0 | 18.86 | 1.30 | 18.01 | <=38.45 | Pass |
|        |       |   | 2 | 19.08 | 1.30 | 18.23 | <=38.45 | Pass |
|        |       |   | 5 | 19.10 | 1.30 | 18.25 | <=38.45 | Pass |
|        |       | 3 | 0 | 19.07 | 1.30 | 18.22 | <=38.45 | Pass |
|        |       |   | 2 | 19.03 | 1.30 | 18.18 | <=38.45 | Pass |
|        |       |   | 3 | 19.11 | 1.30 | 18.26 | <=38.45 | Pass |
|        |       | 6 | 0 | 19.02 | 1.30 | 18.17 | <=38.45 | Pass |
|        | 836.5 | 1 | 0 | 19.12 | 1.30 | 18.27 | <=38.45 | Pass |
|        |       |   | 2 | 19.12 | 1.30 | 18.27 | <=38.45 | Pass |
|        |       |   | 5 | 19.15 | 1.30 | 18.30 | <=38.45 | Pass |
|        |       | 3 | 0 | 19.10 | 1.30 | 18.25 | <=38.45 | Pass |
|        |       |   | 2 | 19.04 | 1.30 | 18.19 | <=38.45 | Pass |
|        |       |   | 3 | 18.98 | 1.30 | 18.13 | <=38.45 | Pass |
|        |       | 6 | 0 | 18.99 | 1.30 | 18.14 | <=38.45 | Pass |
|        | 848.3 | 1 | 0 | 19.12 | 1.30 | 18.27 | <=38.45 | Pass |
|        |       |   | 2 | 19.12 | 1.30 | 18.27 | <=38.45 | Pass |
|        |       |   | 5 | 19.19 | 1.30 | 18.34 | <=38.45 | Pass |
|        |       | 3 | 0 | 19.11 | 1.30 | 18.26 | <=38.45 | Pass |
|        |       |   | 2 | 19.23 | 1.30 | 18.38 | <=38.45 | Pass |
|        |       |   | 3 | 19.24 | 1.30 | 18.39 | <=38.45 | Pass |
|        |       | 6 | 0 | 19.08 | 1.30 | 18.23 | <=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      | 23.92                 | 1.30       | 23.07     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 23.89                 | 1.30       | 23.04     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 23.98                 | 1.30       | 23.13     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 23.02                 | 1.30       | 22.17     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 23.02                 | 1.30       | 22.17     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 22.98                 | 1.30       | 22.13     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 22.98                 | 1.30       | 22.13     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 24.05                 | 1.30       | 23.20     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 24.03                 | 1.30       | 23.18     | <=38.45 | Pass    |
|                                  |                 |               | 14     | 23.99                 | 1.30       | 23.14     | <=38.45 | Pass    |
|                                  |                 | 8             | 0      | 23.04                 | 1.30       | 22.19     | <=38.45 | Pass    |
|                                  |                 |               | 4      | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  |                 |               | 7      | 23.00                 | 1.30       | 22.15     | <=38.45 | Pass    |
|                                  |                 | 15            | 0      | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  | 847.5           | 1             | 0      | 23.99                 | 1.30       | 23.14     | <=38.45 | Pass    |

|        |       |    |    |       |      |       |         |      |
|--------|-------|----|----|-------|------|-------|---------|------|
|        |       | 8  | 7  | 24.00 | 1.30 | 23.15 | <=38.45 | Pass |
|        |       |    | 14 | 24.01 | 1.30 | 23.16 | <=38.45 | Pass |
|        |       |    | 0  | 23.10 | 1.30 | 22.25 | <=38.45 | Pass |
|        |       |    | 4  | 23.02 | 1.30 | 22.17 | <=38.45 | Pass |
|        |       |    | 7  | 23.06 | 1.30 | 22.21 | <=38.45 | Pass |
|        |       | 15 | 0  | 23.04 | 1.30 | 22.19 | <=38.45 | Pass |
| 16QAM  | 825.5 | 1  | 0  | 23.25 | 1.30 | 22.40 | <=38.45 | Pass |
|        |       |    | 7  | 23.24 | 1.30 | 22.39 | <=38.45 | Pass |
|        |       |    | 14 | 23.08 | 1.30 | 22.23 | <=38.45 | Pass |
|        |       | 8  | 0  | 22.09 | 1.30 | 21.24 | <=38.45 | Pass |
|        |       |    | 4  | 22.07 | 1.30 | 21.22 | <=38.45 | Pass |
|        |       |    | 7  | 22.05 | 1.30 | 21.20 | <=38.45 | Pass |
|        |       | 15 | 0  | 22.02 | 1.30 | 21.17 | <=38.45 | Pass |
|        | 836.5 | 1  | 0  | 23.23 | 1.30 | 22.38 | <=38.45 | Pass |
|        |       |    | 7  | 23.30 | 1.30 | 22.45 | <=38.45 | Pass |
|        |       |    | 14 | 23.20 | 1.30 | 22.35 | <=38.45 | Pass |
|        |       | 8  | 0  | 22.08 | 1.30 | 21.23 | <=38.45 | Pass |
|        |       |    | 4  | 22.05 | 1.30 | 21.20 | <=38.45 | Pass |
|        |       |    | 7  | 22.07 | 1.30 | 21.22 | <=38.45 | Pass |
|        |       | 15 | 0  | 22.02 | 1.30 | 21.17 | <=38.45 | Pass |
|        | 847.5 | 1  | 0  | 23.26 | 1.30 | 22.41 | <=38.45 | Pass |
|        |       |    | 7  | 23.15 | 1.30 | 22.30 | <=38.45 | Pass |
|        |       |    | 14 | 23.27 | 1.30 | 22.42 | <=38.45 | Pass |
|        |       | 8  | 0  | 22.10 | 1.30 | 21.25 | <=38.45 | Pass |
|        |       |    | 4  | 22.07 | 1.30 | 21.22 | <=38.45 | Pass |
|        |       |    | 7  | 21.98 | 1.30 | 21.13 | <=38.45 | Pass |
|        |       | 15 | 0  | 22.11 | 1.30 | 21.26 | <=38.45 | Pass |
| 64QAM  | 825.5 | 1  | 0  | 21.75 | 1.30 | 20.90 | <=38.45 | Pass |
|        |       |    | 7  | 21.68 | 1.30 | 20.83 | <=38.45 | Pass |
|        |       |    | 14 | 21.58 | 1.30 | 20.73 | <=38.45 | Pass |
|        |       | 8  | 0  | 21.09 | 1.30 | 20.24 | <=38.45 | Pass |
|        |       |    | 4  | 21.04 | 1.30 | 20.19 | <=38.45 | Pass |
|        |       |    | 7  | 21.01 | 1.30 | 20.16 | <=38.45 | Pass |
|        |       | 15 | 0  | 21.00 | 1.30 | 20.15 | <=38.45 | Pass |
|        | 836.5 | 1  | 0  | 22.09 | 1.30 | 21.24 | <=38.45 | Pass |
|        |       |    | 7  | 22.24 | 1.30 | 21.39 | <=38.45 | Pass |
|        |       |    | 14 | 22.15 | 1.30 | 21.30 | <=38.45 | Pass |
|        |       | 8  | 0  | 21.08 | 1.30 | 20.23 | <=38.45 | Pass |
|        |       |    | 4  | 21.03 | 1.30 | 20.18 | <=38.45 | Pass |
|        |       |    | 7  | 21.04 | 1.30 | 20.19 | <=38.45 | Pass |
|        |       | 15 | 0  | 21.01 | 1.30 | 20.16 | <=38.45 | Pass |
|        | 847.5 | 1  | 0  | 22.08 | 1.30 | 21.23 | <=38.45 | Pass |
|        |       |    | 7  | 22.22 | 1.30 | 21.37 | <=38.45 | Pass |
|        |       |    | 14 | 22.03 | 1.30 | 21.18 | <=38.45 | Pass |
|        |       | 8  | 0  | 21.17 | 1.30 | 20.32 | <=38.45 | Pass |
|        |       |    | 4  | 21.07 | 1.30 | 20.22 | <=38.45 | Pass |
|        |       |    | 7  | 21.00 | 1.30 | 20.15 | <=38.45 | Pass |
|        |       | 15 | 0  | 21.06 | 1.30 | 20.21 | <=38.45 | Pass |
| 256QAM | 825.5 | 1  | 0  | 19.02 | 1.30 | 18.17 | <=38.45 | Pass |
|        |       |    | 7  | 19.02 | 1.30 | 18.17 | <=38.45 | Pass |
|        |       |    | 14 | 19.17 | 1.30 | 18.32 | <=38.45 | Pass |
|        |       | 8  | 0  | 19.01 | 1.30 | 18.16 | <=38.45 | Pass |
|        |       |    | 4  | 19.07 | 1.30 | 18.22 | <=38.45 | Pass |
|        |       |    | 7  | 19.05 | 1.30 | 18.20 | <=38.45 | Pass |
|        |       | 15 | 0  | 19.06 | 1.30 | 18.21 | <=38.45 | Pass |
|        | 836.5 | 1  | 0  | 19.04 | 1.30 | 18.19 | <=38.45 | Pass |
|        |       |    | 7  | 19.07 | 1.30 | 18.22 | <=38.45 | Pass |
|        |       |    | 14 | 19.10 | 1.30 | 18.25 | <=38.45 | Pass |
|        |       | 8  | 0  | 19.05 | 1.30 | 18.20 | <=38.45 | Pass |

|                                              |       |    |    |       |      |       |         |      |
|----------------------------------------------|-------|----|----|-------|------|-------|---------|------|
|                                              |       | 15 | 4  | 19.01 | 1.30 | 18.16 | <=38.45 | Pass |
|                                              |       |    | 7  | 18.98 | 1.30 | 18.13 | <=38.45 | Pass |
|                                              |       |    | 0  | 19.01 | 1.30 | 18.16 | <=38.45 | Pass |
|                                              | 847.5 | 1  | 0  | 19.11 | 1.30 | 18.26 | <=38.45 | Pass |
|                                              |       |    | 7  | 19.09 | 1.30 | 18.24 | <=38.45 | Pass |
|                                              |       |    | 14 | 19.17 | 1.30 | 18.32 | <=38.45 | Pass |
|                                              |       | 8  | 0  | 19.07 | 1.30 | 18.22 | <=38.45 | Pass |
|                                              |       |    | 4  | 19.07 | 1.30 | 18.22 | <=38.45 | Pass |
|                                              |       |    | 7  | 19.06 | 1.30 | 18.21 | <=38.45 | Pass |
|                                              |       | 15 | 0  | 19.03 | 1.30 | 18.18 | <=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      | 23.98                 | 1.30       | 23.13     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.80                 | 1.30       | 22.95     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.87                 | 1.30       | 23.02     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 23.06                 | 1.30       | 22.21     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.98                 | 1.30       | 22.13     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.80                 | 1.30       | 21.95     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 24.04                 | 1.30       | 23.19     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.94                 | 1.30       | 23.09     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.96                 | 1.30       | 23.11     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 23.01                 | 1.30       | 22.16     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 23.04                 | 1.30       | 22.19     | <=38.45 | Pass    |
|                                  | 846.5           | 1             | 0      | 24.10                 | 1.30       | 23.25     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 24.01                 | 1.30       | 23.16     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.99                 | 1.30       | 23.14     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 23.16                 | 1.30       | 22.31     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 23.06                 | 1.30       | 22.21     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 23.06                 | 1.30       | 22.21     | <=38.45 | Pass    |
| 16QAM                            | 826.5           | 1             | 0      | 22.88                 | 1.30       | 22.03     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.03                 | 1.30       | 22.18     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.06                 | 1.30       | 22.21     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 21.87                 | 1.30       | 21.02     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.01                 | 1.30       | 21.16     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.95                 | 1.30       | 21.10     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.03                 | 1.30       | 21.18     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 0      | 23.24                 | 1.30       | 22.39     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.97                 | 1.30       | 22.12     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.06                 | 1.30       | 22.21     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.07                 | 1.30       | 21.22     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.01                 | 1.30       | 21.16     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 21.95                 | 1.30       | 21.10     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.05                 | 1.30       | 21.20     | <=38.45 | Pass    |
|                                  | 846.5           | 1             | 0      | 23.42                 | 1.30       | 22.57     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.08                 | 1.30       | 22.23     | <=38.45 | Pass    |
|                                  |                 |               | 24     | 23.03                 | 1.30       | 22.18     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.17                 | 1.30       | 21.32     | <=38.45 | Pass    |
|                                  |                 |               | 6      | 22.07                 | 1.30       | 21.22     | <=38.45 | Pass    |

|                                              |       |        |       |       |       |       |         |         |         |
|----------------------------------------------|-------|--------|-------|-------|-------|-------|---------|---------|---------|
|                                              |       |        | 13    | 21.98 | 1.30  | 21.13 | <=38.45 | Pass    |         |
|                                              |       | 25     | 0     | 22.14 | 1.30  | 21.29 | <=38.45 | Pass    |         |
| 64QAM                                        | 826.5 | 1      | 0     | 22.07 | 1.30  | 21.22 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 21.82 | 1.30  | 20.97 | <=38.45 | Pass    |         |
|                                              |       |        | 24    | 21.44 | 1.30  | 20.59 | <=38.45 | Pass    |         |
|                                              |       |        | 0     | 21.07 | 1.30  | 20.22 | <=38.45 | Pass    |         |
|                                              |       | 12     | 6     | 21.04 | 1.30  | 20.19 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 21.00 | 1.30  | 20.15 | <=38.45 | Pass    |         |
|                                              |       |        | 25    | 0     | 20.96 | 1.30  | 20.11   | <=38.45 | Pass    |
|                                              |       | 836.5  | 1     | 0     | 22.22 | 1.30  | 21.37   | <=38.45 | Pass    |
|                                              |       |        |       | 13    | 21.83 | 1.30  | 20.98   | <=38.45 | Pass    |
|                                              |       |        |       | 24    | 22.11 | 1.30  | 21.26   | <=38.45 | Pass    |
|                                              | 12    |        | 0     | 21.03 | 1.30  | 20.18 | <=38.45 | Pass    |         |
|                                              |       |        | 6     | 21.03 | 1.30  | 20.18 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 20.99 | 1.30  | 20.14 | <=38.45 | Pass    |         |
|                                              | 25    |        | 0     | 21.02 | 1.30  | 20.17 | <=38.45 | Pass    |         |
|                                              | 846.5 |        | 1     | 0     | 22.21 | 1.30  | 21.36   | <=38.45 | Pass    |
|                                              |       | 13     |       | 22.19 | 1.30  | 21.34 | <=38.45 | Pass    |         |
|                                              |       | 24     |       | 21.38 | 1.30  | 20.53 | <=38.45 | Pass    |         |
|                                              |       | 12     | 0     | 21.18 | 1.30  | 20.33 | <=38.45 | Pass    |         |
|                                              |       |        | 6     | 21.12 | 1.30  | 20.27 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 21.07 | 1.30  | 20.22 | <=38.45 | Pass    |         |
|                                              |       | 25     | 0     | 21.03 | 1.30  | 20.18 | <=38.45 | Pass    |         |
|                                              |       | 256QAM | 826.5 | 1     | 0     | 19.15 | 1.30    | 18.30   | <=38.45 |
| 13                                           | 19.08 |        |       |       | 1.30  | 18.23 | <=38.45 | Pass    |         |
| 24                                           | 19.08 |        |       |       | 1.30  | 18.23 | <=38.45 | Pass    |         |
| 12                                           | 0     |        |       | 19.09 | 1.30  | 18.24 | <=38.45 | Pass    |         |
|                                              | 6     |        |       | 19.07 | 1.30  | 18.22 | <=38.45 | Pass    |         |
|                                              | 13    |        |       | 19.03 | 1.30  | 18.18 | <=38.45 | Pass    |         |
| 25                                           | 0     |        |       | 19.08 | 1.30  | 18.23 | <=38.45 | Pass    |         |
| 836.5                                        | 1     |        |       | 0     | 19.13 | 1.30  | 18.28   | <=38.45 | Pass    |
|                                              |       |        | 13    | 19.00 | 1.30  | 18.15 | <=38.45 | Pass    |         |
|                                              |       |        | 24    | 19.13 | 1.30  | 18.28 | <=38.45 | Pass    |         |
|                                              | 12    |        | 0     | 19.00 | 1.30  | 18.15 | <=38.45 | Pass    |         |
|                                              |       |        | 6     | 19.03 | 1.30  | 18.18 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 19.00 | 1.30  | 18.15 | <=38.45 | Pass    |         |
|                                              | 25    |        | 0     | 19.00 | 1.30  | 18.15 | <=38.45 | Pass    |         |
| 846.5                                        | 1     |        | 0     | 19.12 | 1.30  | 18.27 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 19.01 | 1.30  | 18.16 | <=38.45 | Pass    |         |
|                                              |       |        | 24    | 19.18 | 1.30  | 18.33 | <=38.45 | Pass    |         |
|                                              | 12    |        | 0     | 19.03 | 1.30  | 18.18 | <=38.45 | Pass    |         |
|                                              |       |        | 6     | 19.04 | 1.30  | 18.19 | <=38.45 | Pass    |         |
|                                              |       |        | 13    | 19.02 | 1.30  | 18.17 | <=38.45 | Pass    |         |
|                                              | 25    |        | 0     | 19.06 | 1.30  | 18.21 | <=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      | 24.02                 | 1.30       | 23.17     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 23.89                 | 1.30       | 23.04     | <=38.45 | Pass    |
|                                  |                 |               | 49     | 24.04                 | 1.30       | 23.19     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 23.02                 | 1.30       | 22.17     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 22.99                 | 1.30       | 22.14     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 23.00                 | 1.30       | 22.15     | <=38.45 | Pass    |

|        |       |       |       |       |         |         |         |         |      |
|--------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|        | 836.5 | 50    | 0     | 23.01 | 1.30    | 22.16   | <=38.45 | Pass    |      |
|        |       | 1     | 0     | 24.03 | 1.30    | 23.18   | <=38.45 | Pass    |      |
|        |       |       | 25    | 24.02 | 1.30    | 23.17   | <=38.45 | Pass    |      |
|        |       |       | 49    | 23.97 | 1.30    | 23.12   | <=38.45 | Pass    |      |
|        |       |       | 0     | 22.96 | 1.30    | 22.11   | <=38.45 | Pass    |      |
|        |       | 25    | 13    | 22.98 | 1.30    | 22.13   | <=38.45 | Pass    |      |
|        |       |       | 25    | 22.94 | 1.30    | 22.09   | <=38.45 | Pass    |      |
|        |       |       | 50    | 0     | 22.97   | 1.30    | 22.12   | <=38.45 | Pass |
|        |       | 844   | 1     | 0     | 24.09   | 1.30    | 23.24   | <=38.45 | Pass |
|        |       |       |       | 25    | 24.07   | 1.30    | 23.22   | <=38.45 | Pass |
|        | 49    |       |       | 23.99 | 1.30    | 23.14   | <=38.45 | Pass    |      |
|        | 25    |       | 0     | 23.05 | 1.30    | 22.20   | <=38.45 | Pass    |      |
|        |       |       | 13    | 23.06 | 1.30    | 22.21   | <=38.45 | Pass    |      |
|        |       |       | 25    | 22.99 | 1.30    | 22.14   | <=38.45 | Pass    |      |
|        | 50    | 0     | 23.04 | 1.30  | 22.19   | <=38.45 | Pass    |         |      |
|        | 16QAM | 829   | 1     | 0     | 23.10   | 1.30    | 22.25   | <=38.45 | Pass |
| 25     |       |       |       | 23.09 | 1.30    | 22.24   | <=38.45 | Pass    |      |
| 49     |       |       |       | 23.04 | 1.30    | 22.19   | <=38.45 | Pass    |      |
| 25     |       |       | 0     | 22.02 | 1.30    | 21.17   | <=38.45 | Pass    |      |
|        |       |       | 13    | 21.95 | 1.30    | 21.10   | <=38.45 | Pass    |      |
|        |       |       | 25    | 22.03 | 1.30    | 21.18   | <=38.45 | Pass    |      |
| 50     |       |       | 0     | 22.01 | 1.30    | 21.16   | <=38.45 | Pass    |      |
| 836.5  |       | 1     | 0     | 22.99 | 1.30    | 22.14   | <=38.45 | Pass    |      |
|        |       |       | 25    | 23.14 | 1.30    | 22.29   | <=38.45 | Pass    |      |
|        |       |       | 49    | 23.14 | 1.30    | 22.29   | <=38.45 | Pass    |      |
|        |       | 25    | 0     | 22.00 | 1.30    | 21.15   | <=38.45 | Pass    |      |
|        |       |       | 13    | 21.99 | 1.30    | 21.14   | <=38.45 | Pass    |      |
|        |       |       | 25    | 21.94 | 1.30    | 21.09   | <=38.45 | Pass    |      |
|        |       | 50    | 0     | 22.00 | 1.30    | 21.15   | <=38.45 | Pass    |      |
| 844    |       | 1     | 0     | 23.33 | 1.30    | 22.48   | <=38.45 | Pass    |      |
|        |       |       | 25    | 23.21 | 1.30    | 22.36   | <=38.45 | Pass    |      |
|        |       |       | 49    | 23.23 | 1.30    | 22.38   | <=38.45 | Pass    |      |
|        |       | 25    | 0     | 22.09 | 1.30    | 21.24   | <=38.45 | Pass    |      |
|        |       |       | 13    | 22.06 | 1.30    | 21.21   | <=38.45 | Pass    |      |
|        |       |       | 25    | 22.00 | 1.30    | 21.15   | <=38.45 | Pass    |      |
|        |       | 50    | 0     | 22.06 | 1.30    | 21.21   | <=38.45 | Pass    |      |
| 64QAM  |       | 829   | 1     | 0     | 21.95   | 1.30    | 21.10   | <=38.45 | Pass |
|        |       |       |       | 25    | 21.75   | 1.30    | 20.90   | <=38.45 | Pass |
|        |       |       |       | 49    | 21.50   | 1.30    | 20.65   | <=38.45 | Pass |
|        | 25    |       | 0     | 20.99 | 1.30    | 20.14   | <=38.45 | Pass    |      |
|        |       |       | 13    | 20.98 | 1.30    | 20.13   | <=38.45 | Pass    |      |
|        |       |       | 25    | 21.00 | 1.30    | 20.15   | <=38.45 | Pass    |      |
|        | 50    |       | 0     | 20.98 | 1.30    | 20.13   | <=38.45 | Pass    |      |
|        | 836.5 | 1     | 0     | 22.10 | 1.30    | 21.25   | <=38.45 | Pass    |      |
|        |       |       | 25    | 21.89 | 1.30    | 21.04   | <=38.45 | Pass    |      |
|        |       |       | 49    | 21.73 | 1.30    | 20.88   | <=38.45 | Pass    |      |
|        |       | 25    | 0     | 20.93 | 1.30    | 20.08   | <=38.45 | Pass    |      |
|        |       |       | 13    | 20.97 | 1.30    | 20.12   | <=38.45 | Pass    |      |
|        |       |       | 25    | 20.90 | 1.30    | 20.05   | <=38.45 | Pass    |      |
|        | 50    | 0     | 20.95 | 1.30  | 20.10   | <=38.45 | Pass    |         |      |
|        | 844   | 1     | 0     | 22.08 | 1.30    | 21.23   | <=38.45 | Pass    |      |
|        |       |       | 25    | 22.15 | 1.30    | 21.30   | <=38.45 | Pass    |      |
|        |       |       | 49    | 22.18 | 1.30    | 21.33   | <=38.45 | Pass    |      |
|        |       | 25    | 0     | 21.08 | 1.30    | 20.23   | <=38.45 | Pass    |      |
|        |       |       | 13    | 21.07 | 1.30    | 20.22   | <=38.45 | Pass    |      |
|        |       |       | 25    | 21.01 | 1.30    | 20.16   | <=38.45 | Pass    |      |
| 50     | 0     | 21.04 | 1.30  | 20.19 | <=38.45 | Pass    |         |         |      |
| 256QAM | 829   | 1     | 0     | 19.00 | 1.30    | 18.15   | <=38.45 | Pass    |      |
|        |       |       | 25    | 18.94 | 1.30    | 18.09   | <=38.45 | Pass    |      |

|                                              |       |    |    |       |      |       |         |      |
|----------------------------------------------|-------|----|----|-------|------|-------|---------|------|
|                                              |       |    | 49 | 19.09 | 1.30 | 18.24 | <=38.45 | Pass |
|                                              |       | 25 | 0  | 19.10 | 1.30 | 18.25 | <=38.45 | Pass |
|                                              |       |    | 13 | 19.05 | 1.30 | 18.20 | <=38.45 | Pass |
|                                              |       |    | 25 | 19.03 | 1.30 | 18.18 | <=38.45 | Pass |
|                                              |       | 50 | 0  | 19.05 | 1.30 | 18.20 | <=38.45 | Pass |
|                                              | 836.5 | 1  | 0  | 18.91 | 1.30 | 18.06 | <=38.45 | Pass |
|                                              |       |    | 25 | 19.08 | 1.30 | 18.23 | <=38.45 | Pass |
|                                              |       |    | 49 | 19.08 | 1.30 | 18.23 | <=38.45 | Pass |
|                                              |       | 25 | 0  | 19.04 | 1.30 | 18.19 | <=38.45 | Pass |
|                                              |       |    | 13 | 19.01 | 1.30 | 18.16 | <=38.45 | Pass |
|                                              |       |    | 25 | 19.00 | 1.30 | 18.15 | <=38.45 | Pass |
|                                              |       | 50 | 0  | 18.99 | 1.30 | 18.14 | <=38.45 | Pass |
|                                              | 844   | 1  | 0  | 19.29 | 1.30 | 18.44 | <=38.45 | Pass |
|                                              |       |    | 25 | 19.13 | 1.30 | 18.28 | <=38.45 | Pass |
|                                              |       |    | 49 | 19.18 | 1.30 | 18.33 | <=38.45 | Pass |
|                                              |       | 25 | 0  | 19.13 | 1.30 | 18.28 | <=38.45 | Pass |
|                                              |       |    | 13 | 19.02 | 1.30 | 18.17 | <=38.45 | Pass |
|                                              |       |    | 25 | 19.05 | 1.30 | 18.20 | <=38.45 | Pass |
|                                              |       | 50 | 0  | 19.02 | 1.30 | 18.17 | <=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         | 3.8           | -1.800           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4             | -4.200           | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.2           | -6.500           | -0.0078               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 4             | -7.300           | -0.0087               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 4             | -5.600           | -0.0067               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 4             | -2.000           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 4             | -6.000           | -0.0072               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 4             | -1.700           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 4             | -4.300           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 4             | -2.500           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 4             | -6.000           | -0.0072               | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band5\_OBW

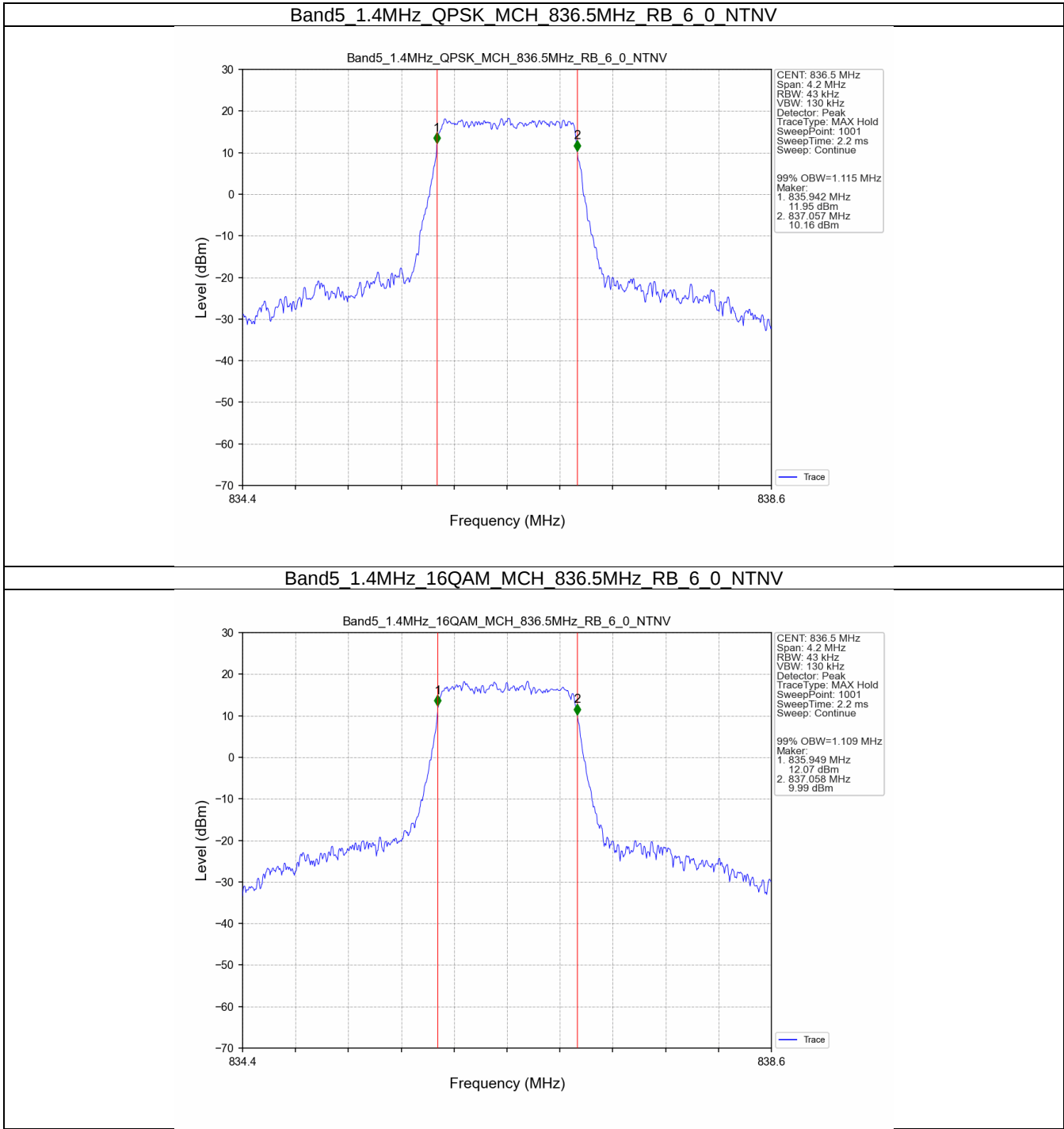
| Band: 5 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 836.5           | 6             | 0      | 1.115                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 6             | 0      | 1.109                        | /     | Pass    |
| 3               | QPSK       | 836.5           | 15            | 0      | 2.721                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 15            | 0      | 2.727                        | /     | Pass    |
| 5               | QPSK       | 836.5           | 25            | 0      | 4.521                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 25            | 0      | 4.532                        | /     | Pass    |
| 10              | QPSK       | 836.5           | 50            | 0      | 9.039                        | /     | Pass    |
|                 | 16QAM      | 836.5           | 50            | 0      | 9.023                        | /     | Pass    |

##### 3.1.2 Band5\_XDB

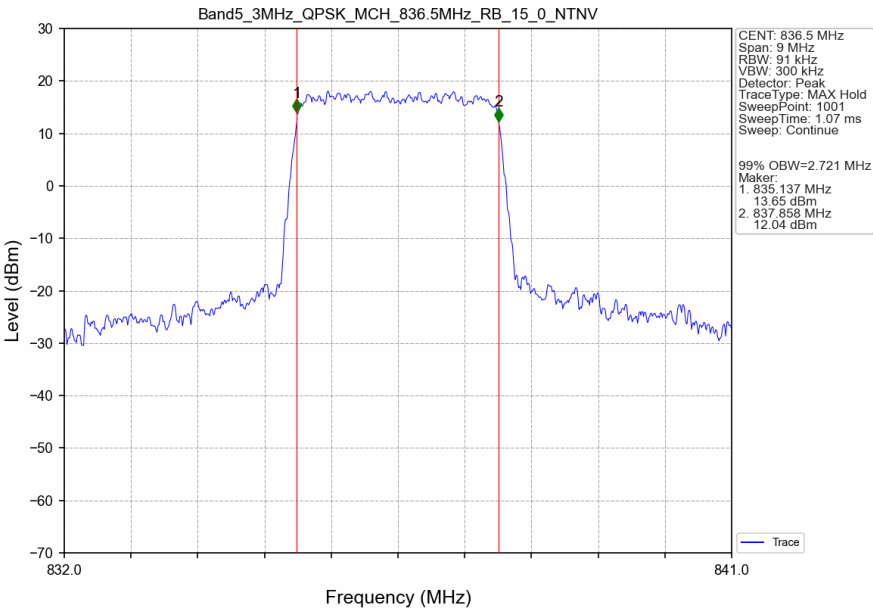
| Band: 5 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 836.5           | 6             | 0      | 1.337                | /     | Pass    |
|                 | 16QAM      | 836.5           | 6             | 0      | 1.322                | /     | Pass    |
| 3               | QPSK       | 836.5           | 15            | 0      | 3.042                | /     | Pass    |
|                 | 16QAM      | 836.5           | 15            | 0      | 3.022                | /     | Pass    |
| 5               | QPSK       | 836.5           | 25            | 0      | 5.039                | /     | Pass    |
|                 | 16QAM      | 836.5           | 25            | 0      | 5.036                | /     | Pass    |
| 10              | QPSK       | 836.5           | 50            | 0      | 9.919                | /     | Pass    |
|                 | 16QAM      | 836.5           | 50            | 0      | 9.871                | /     | Pass    |

### 3.2 Test Graph

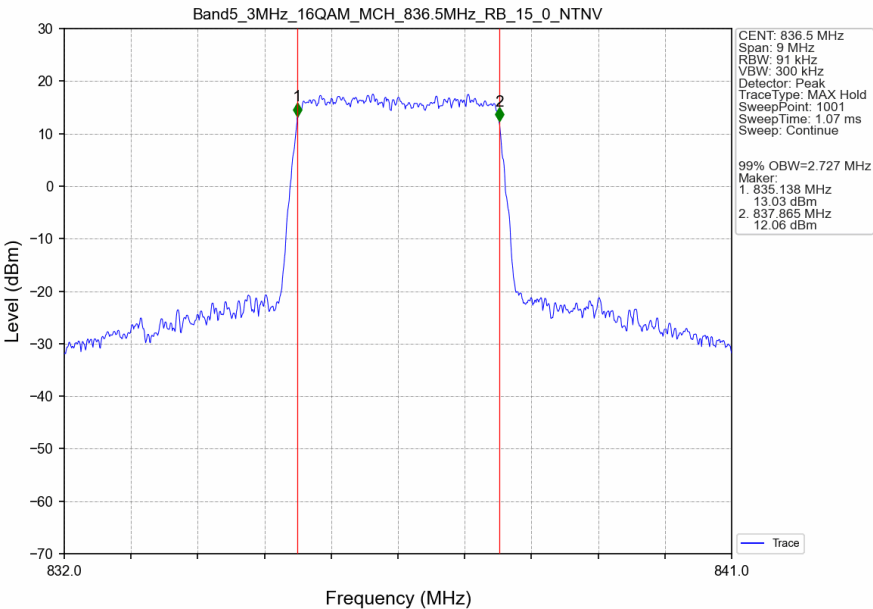
#### 3.2.1 Band5\_OBW



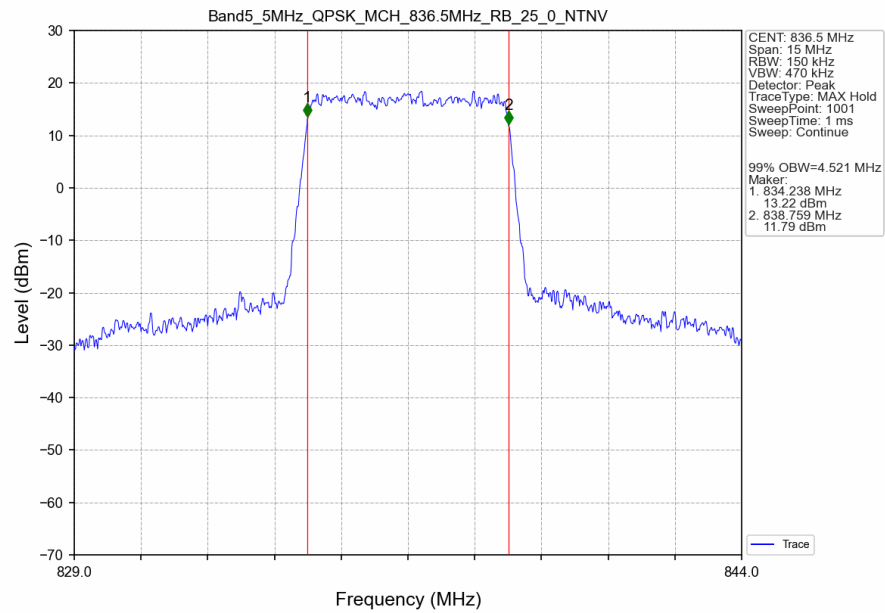
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



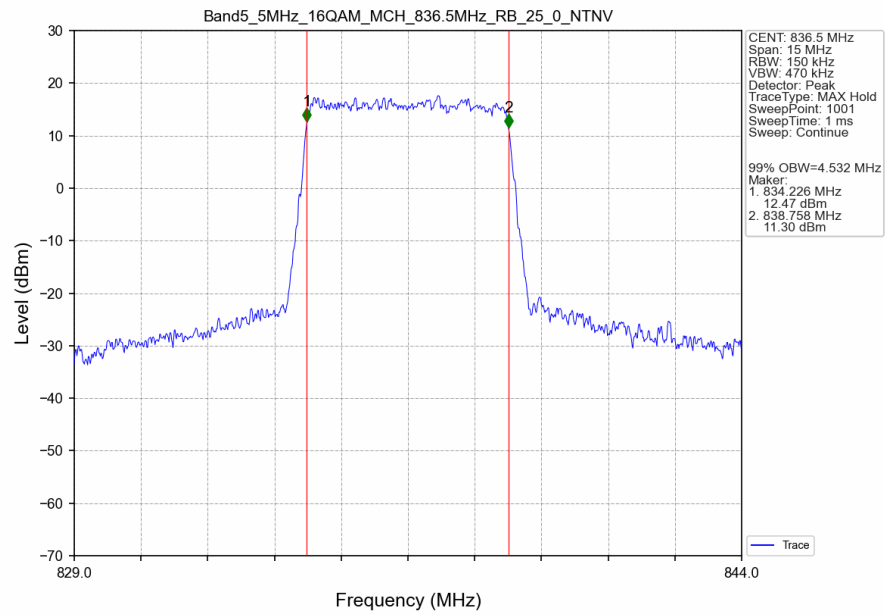
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



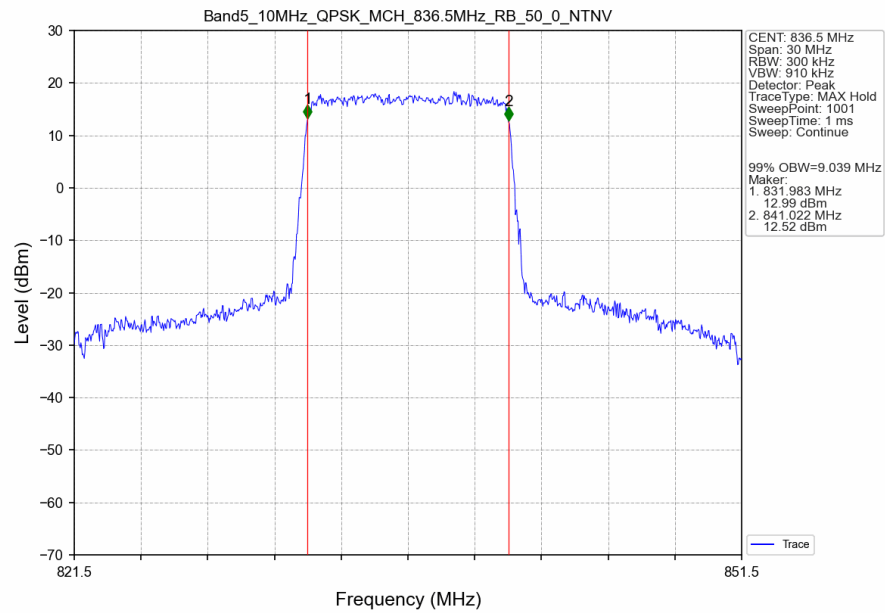
# Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



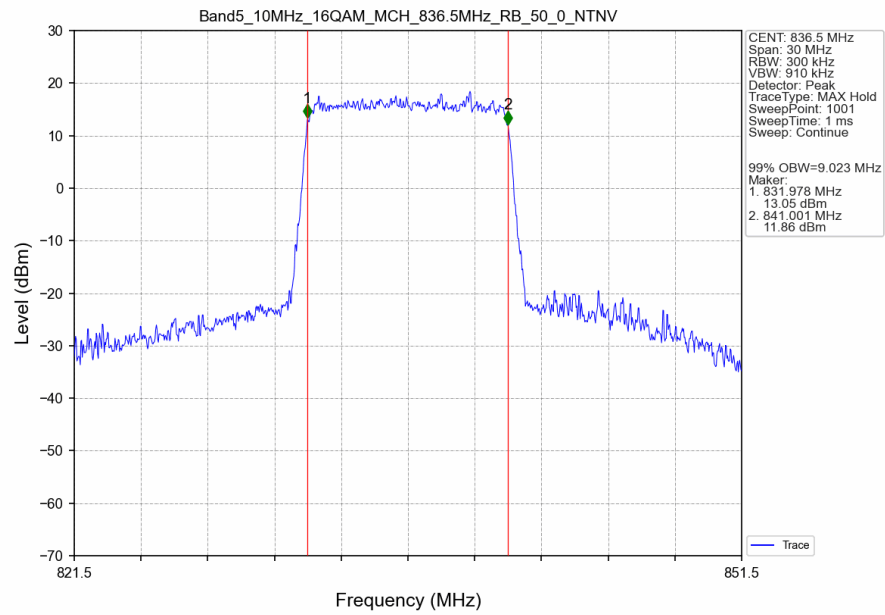
# Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



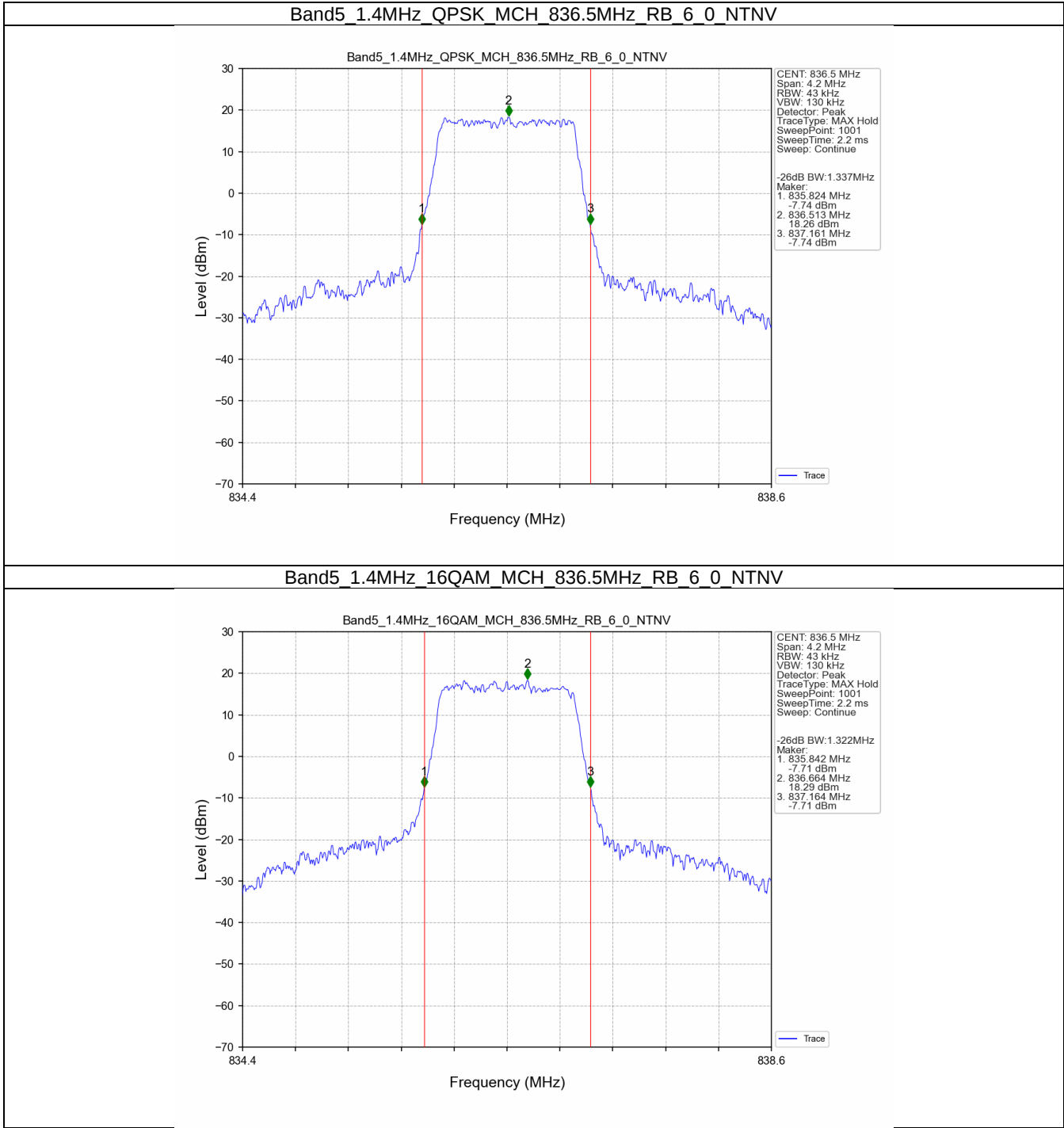
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



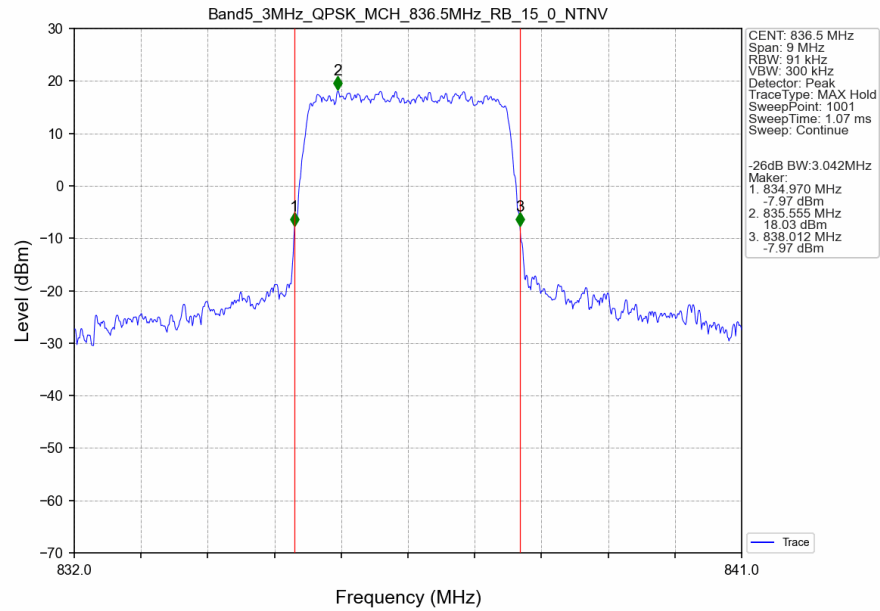
Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



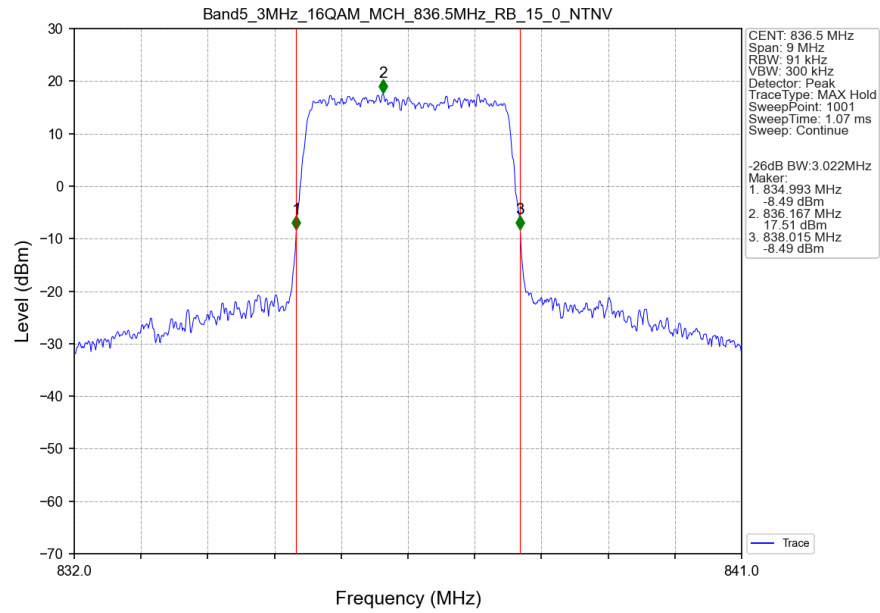
3.2.2 Band5\_XDB



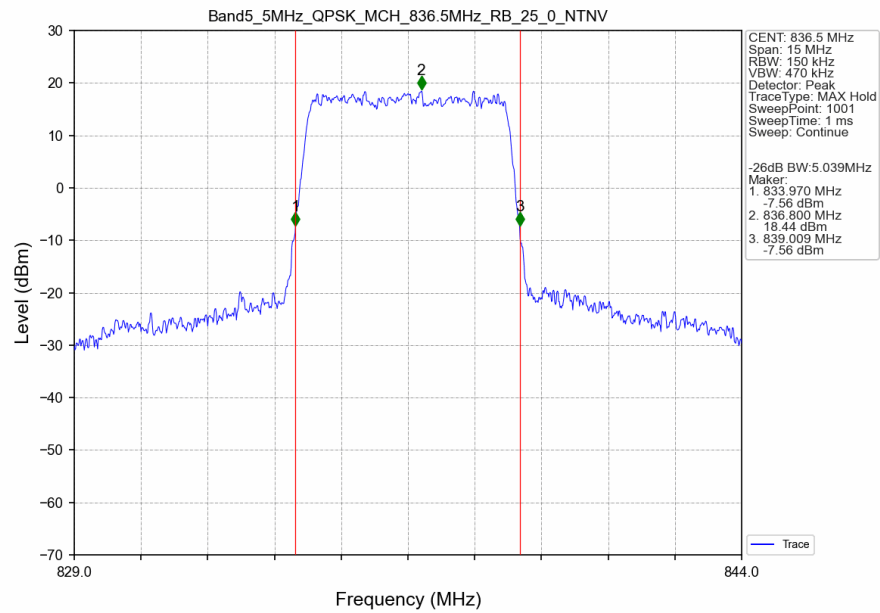
# Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



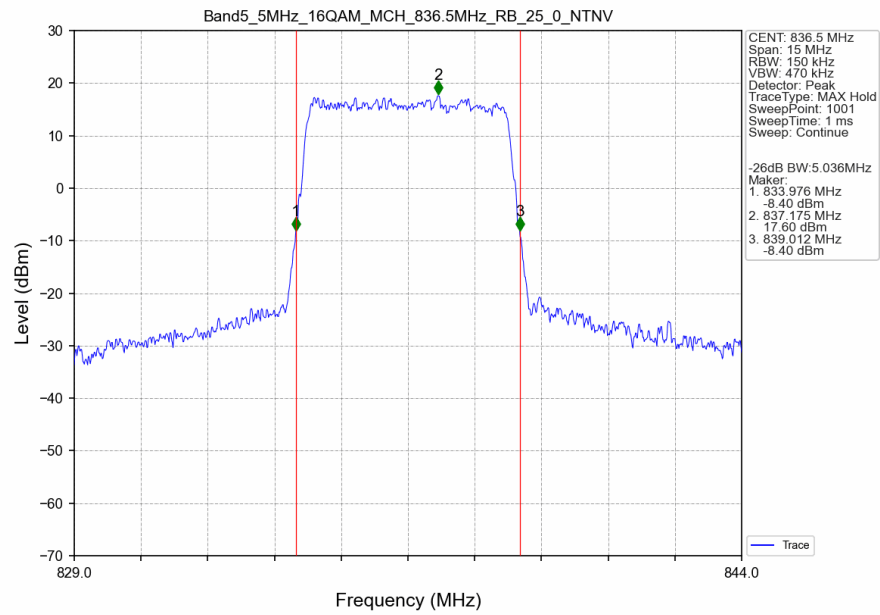
# Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



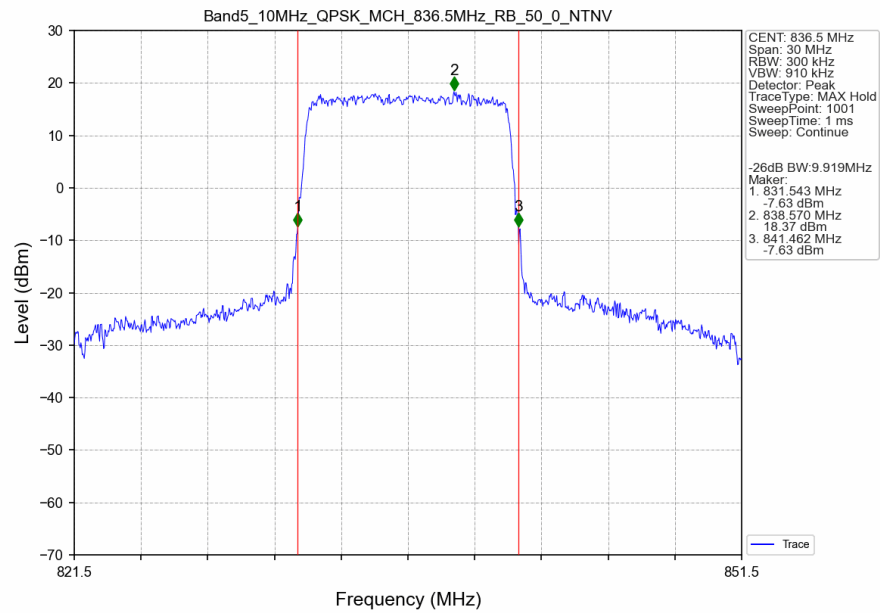
# Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



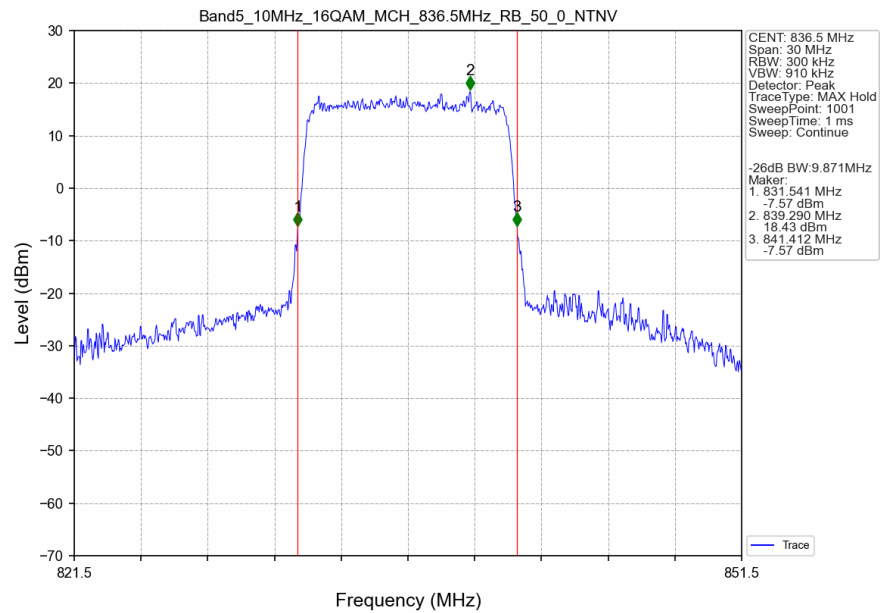
# Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



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



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



## 4. Peak-Average Ratio

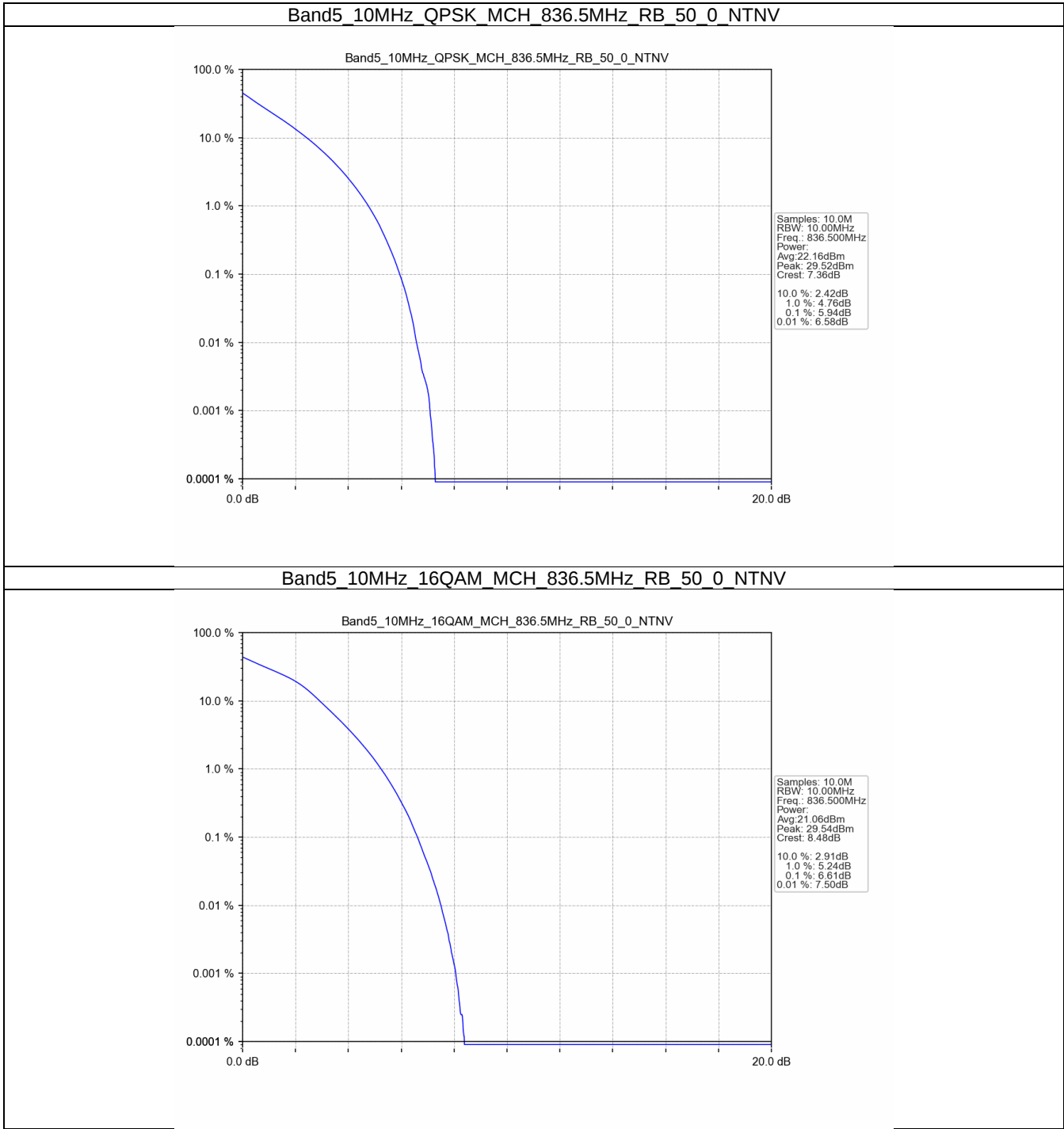
### 4.1 Test Result

#### 4.1.1 B5\_10MHz

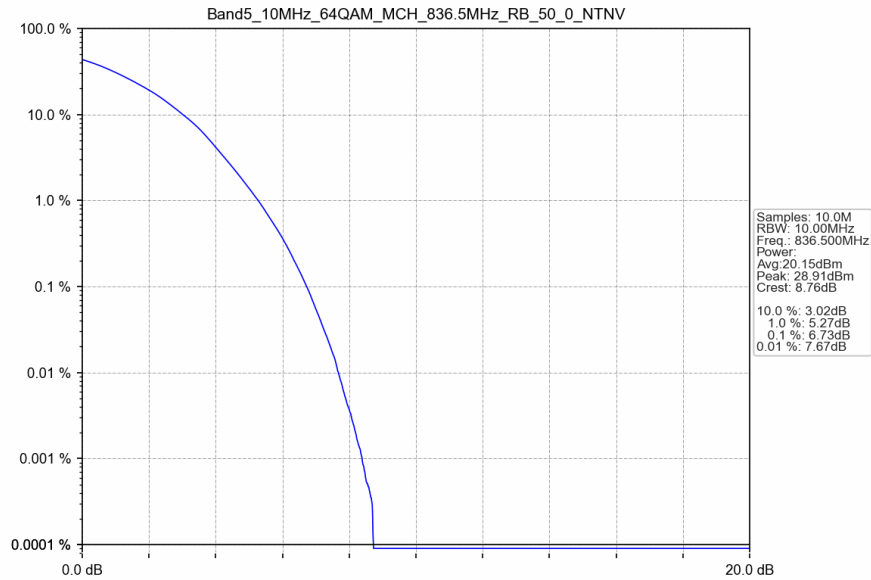
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 836.5           | 50            | 0      | 5.94                    | <=13  | Pass    |
| 16QAM                             | 836.5           | 50            | 0      | 6.61                    | <=13  | Pass    |
| 64QAM                             | 836.5           | 50            | 0      | 6.73                    | <=13  | Pass    |
| 256QAM                            | 836.5           | 50            | 0      | 6.56                    | <=13  | Pass    |

## 4.2 Test Graph

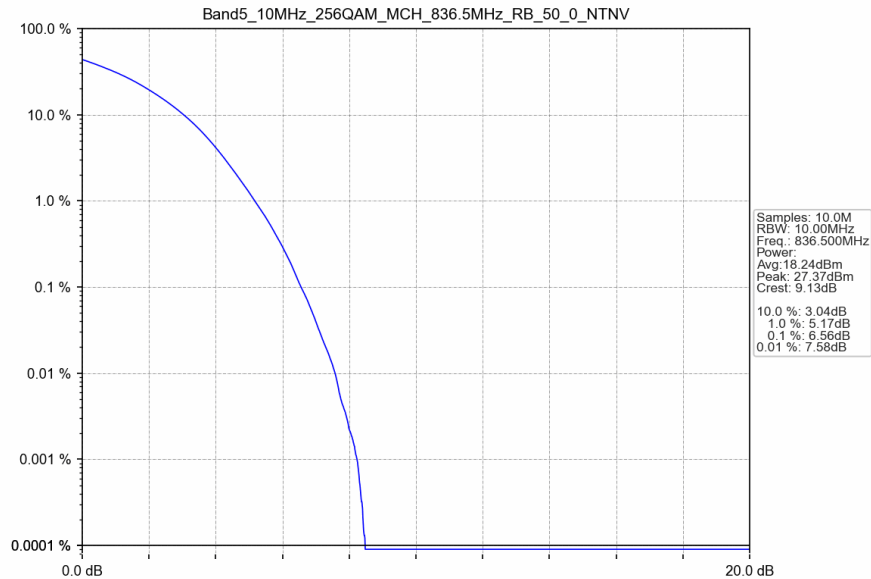
### 4.2.1 B5\_10MHz



Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTV



Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTV



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTVN |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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 / NTV |                 |               |        |                     |       |         |
|---------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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

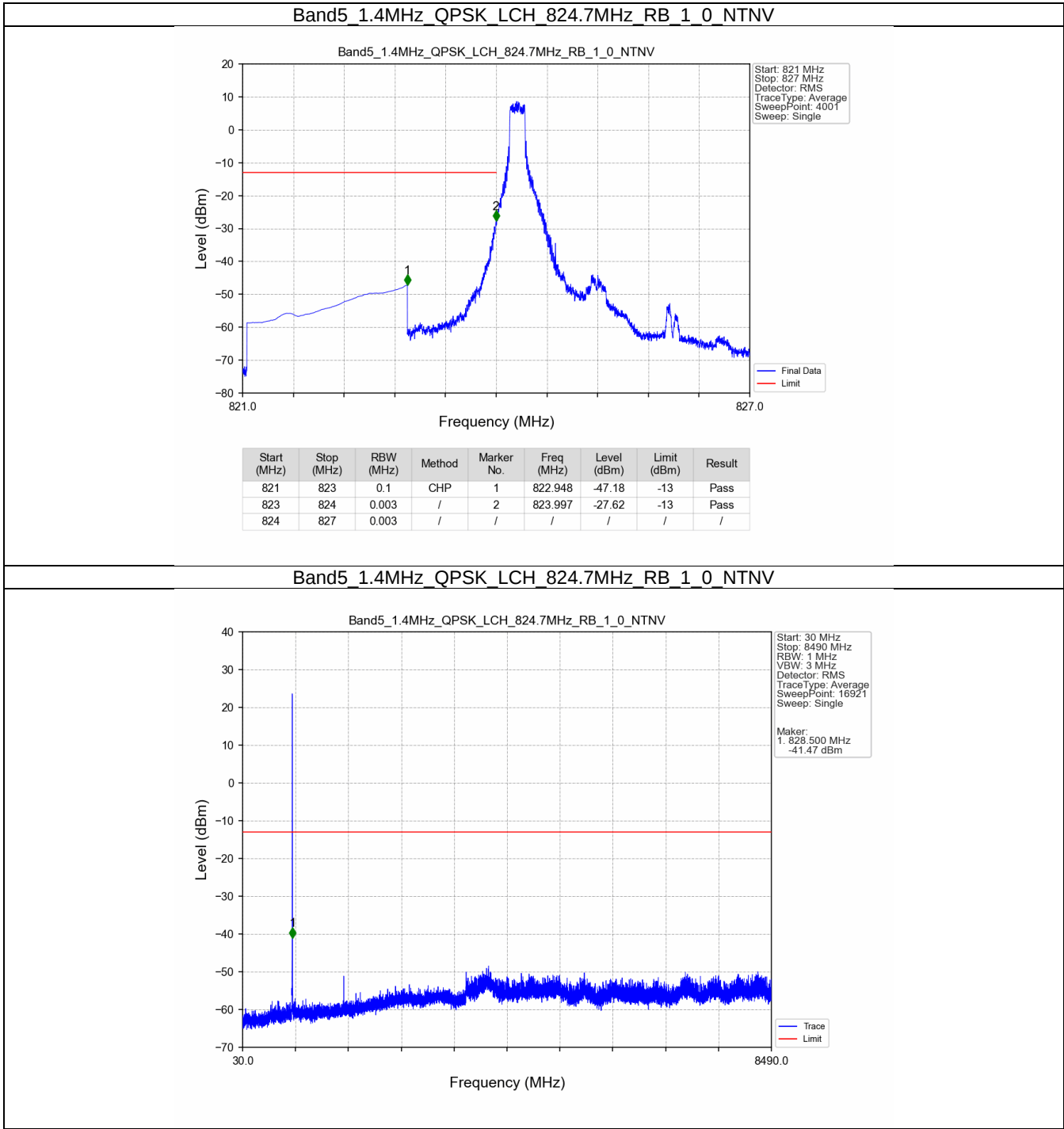
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation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

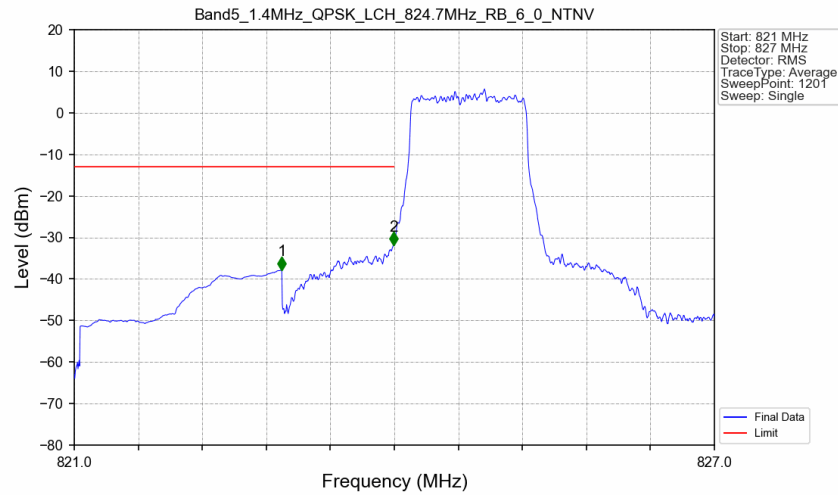
| Band: 5 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation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

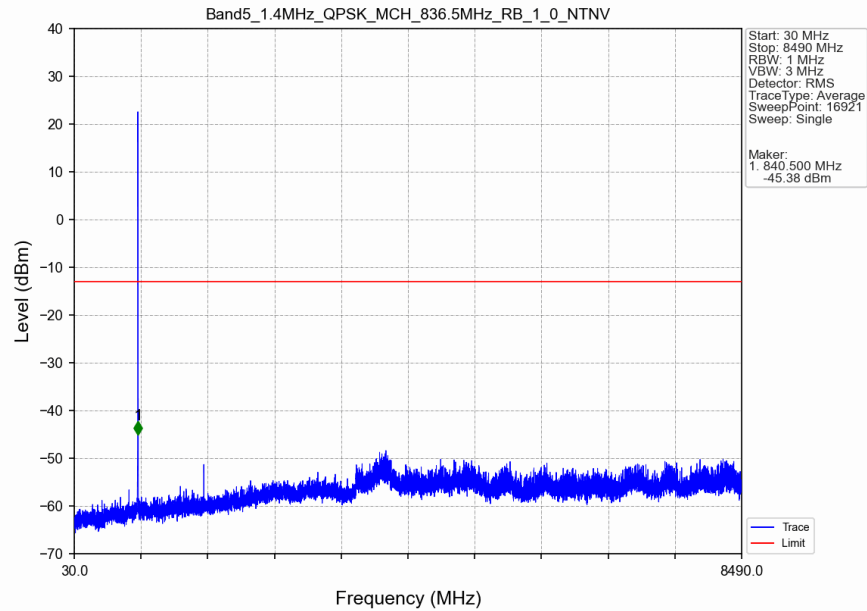


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

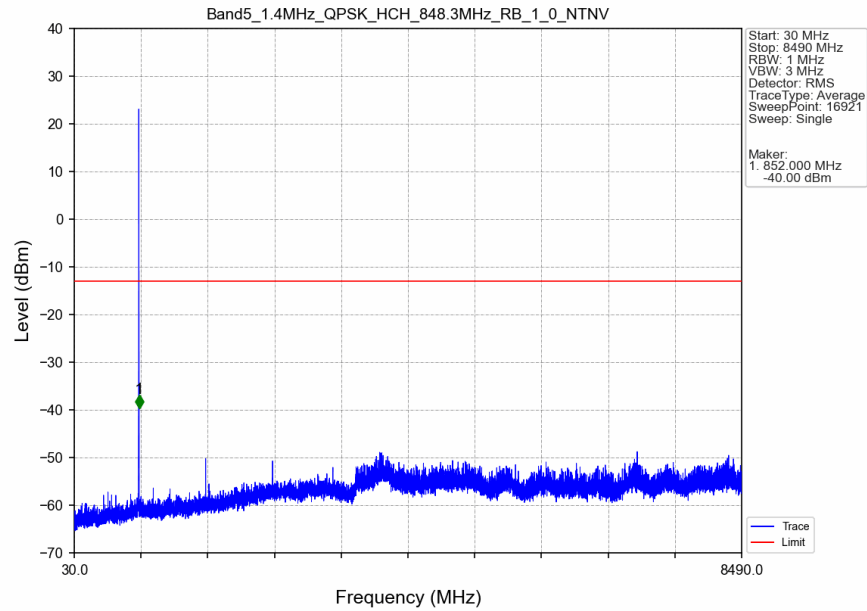


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.945    | -37.78      | -13         | Pass   |
| 823         | 824        | 0.013     | CHP    | 2          | 823.995    | -31.87      | -13         | Pass   |
| 824         | 827        | 0.013     | CHP    | /          | /          | /           | /           | /      |

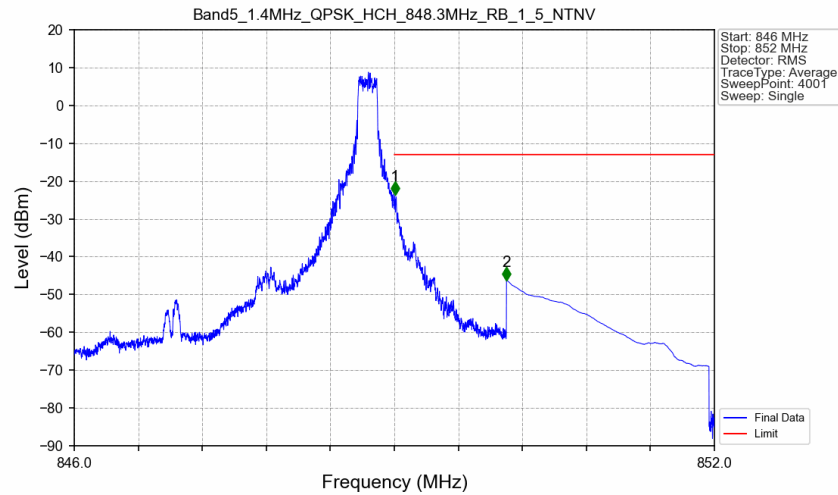
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

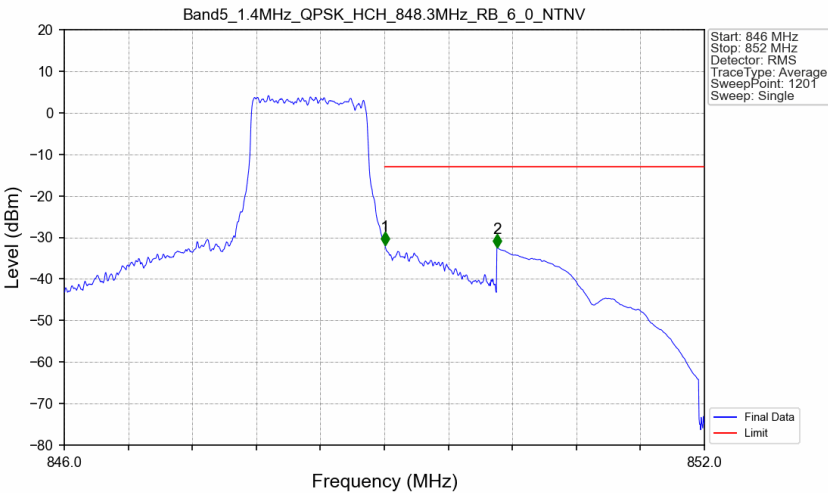


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



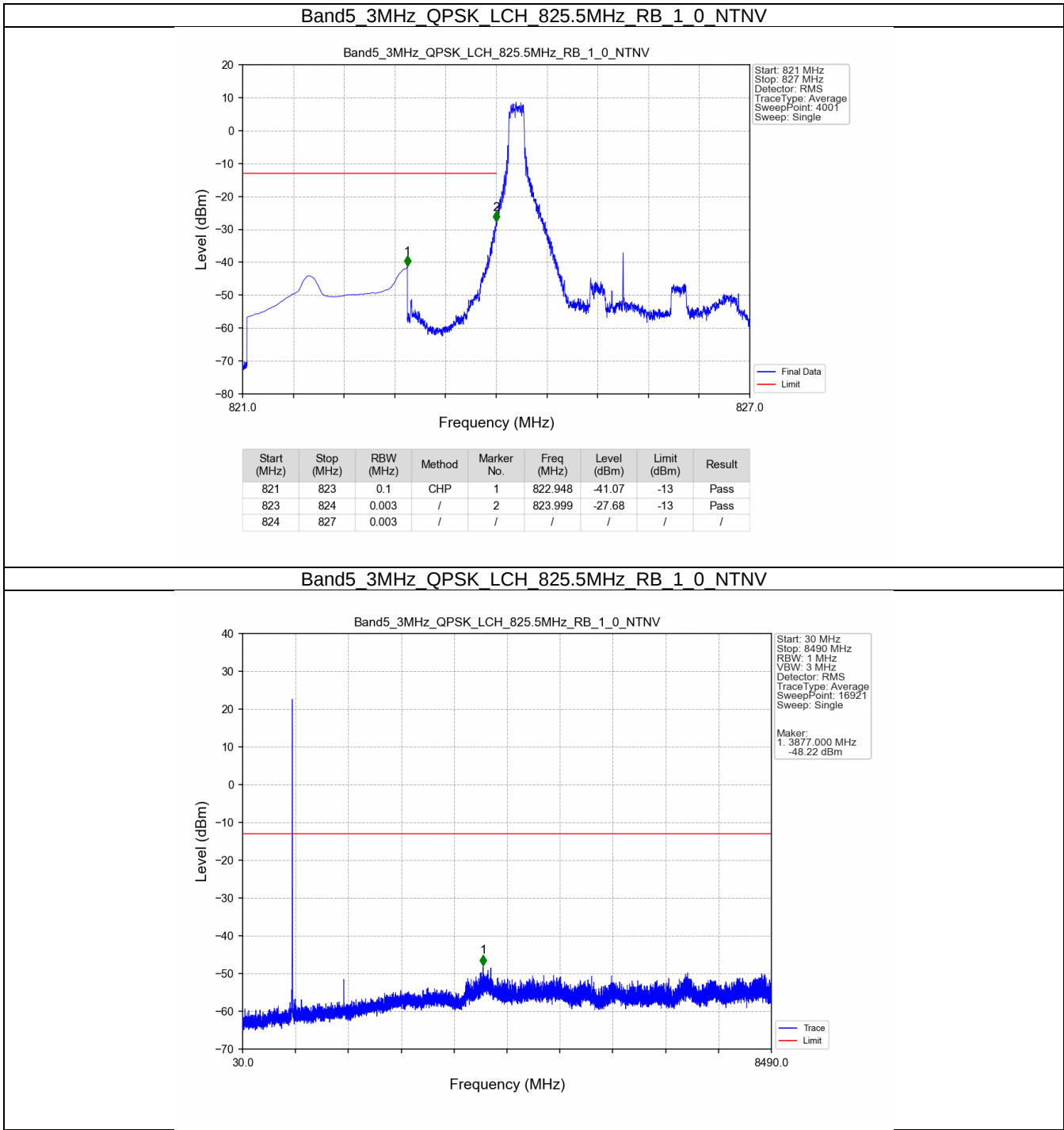
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.005    | -23.71      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.052    | -46.31      | -13         | Pass   |

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

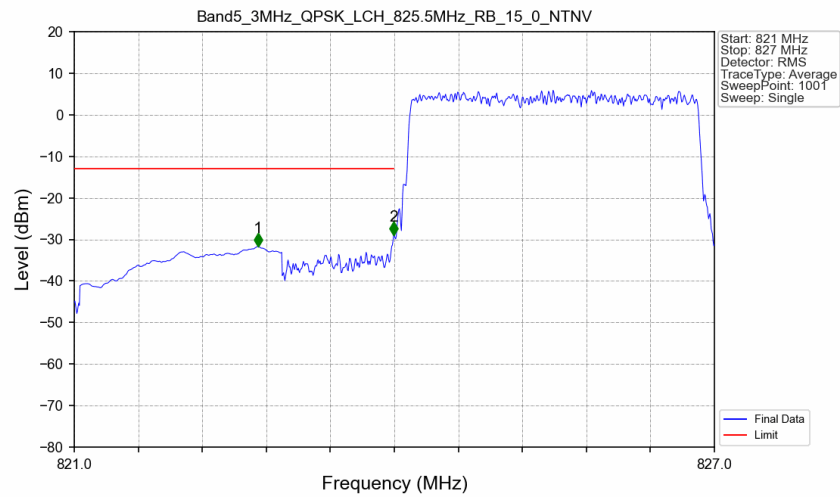


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | CHP    | 1          | 849.005    | -31.86      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.055    | -32.34      | -13         | Pass   |

5.2.2 B5\_3MHz

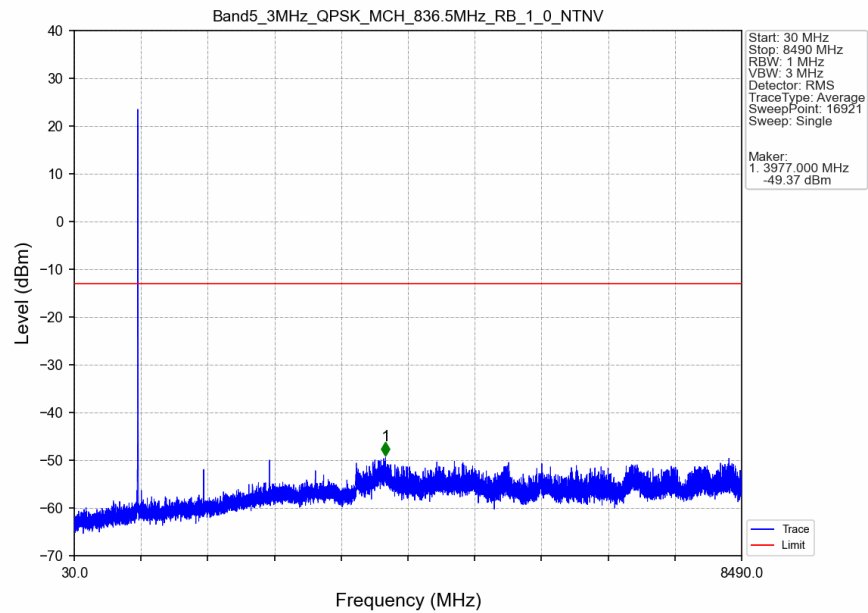


Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

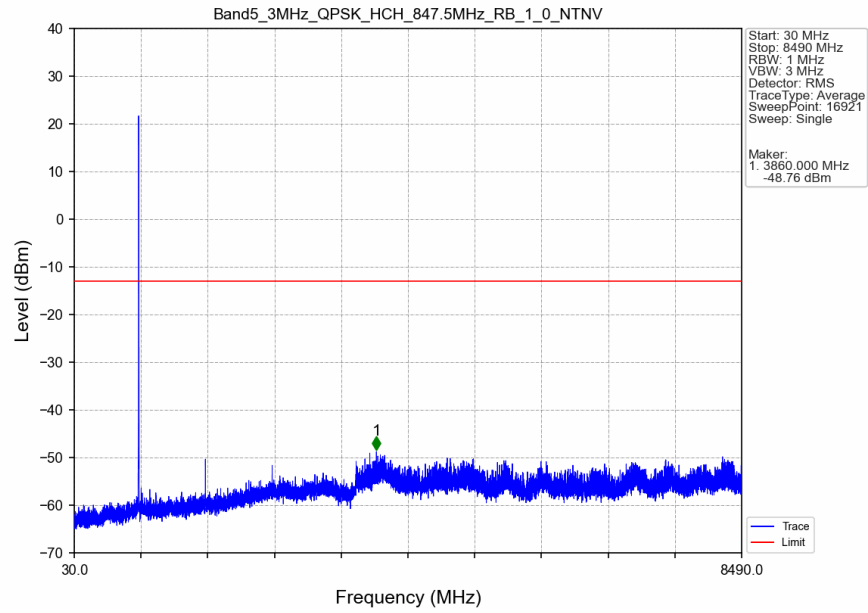


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.722    | -31.67      | -13         | Pass   |
| 823         | 824        | 0.03      | /      | 2          | 823.994    | -28.86      | -13         | Pass   |
| 824         | 827        | 0.03      | /      | /          | /          | /           | /           | /      |

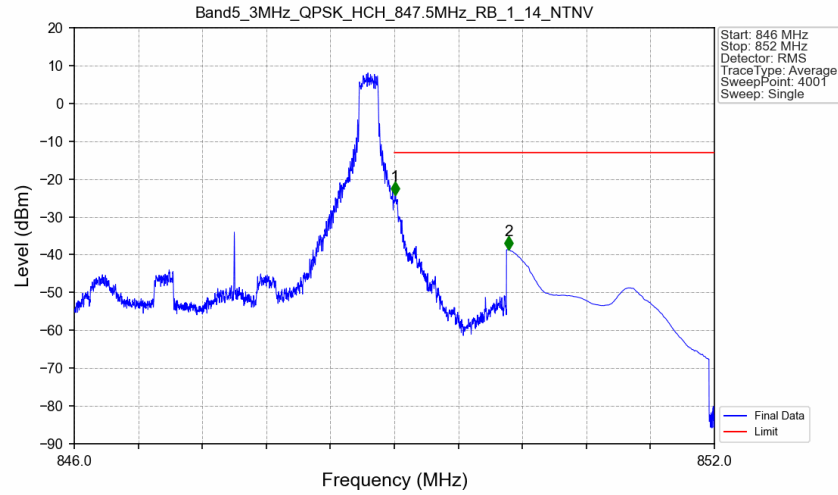
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



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

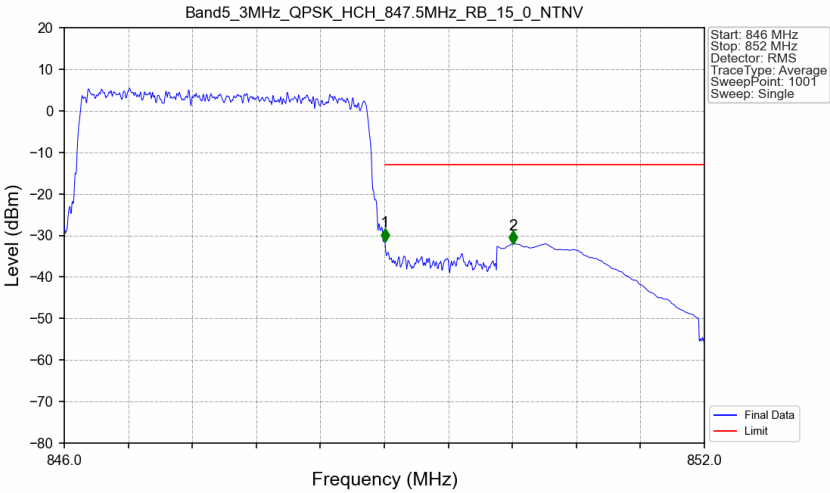


# Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



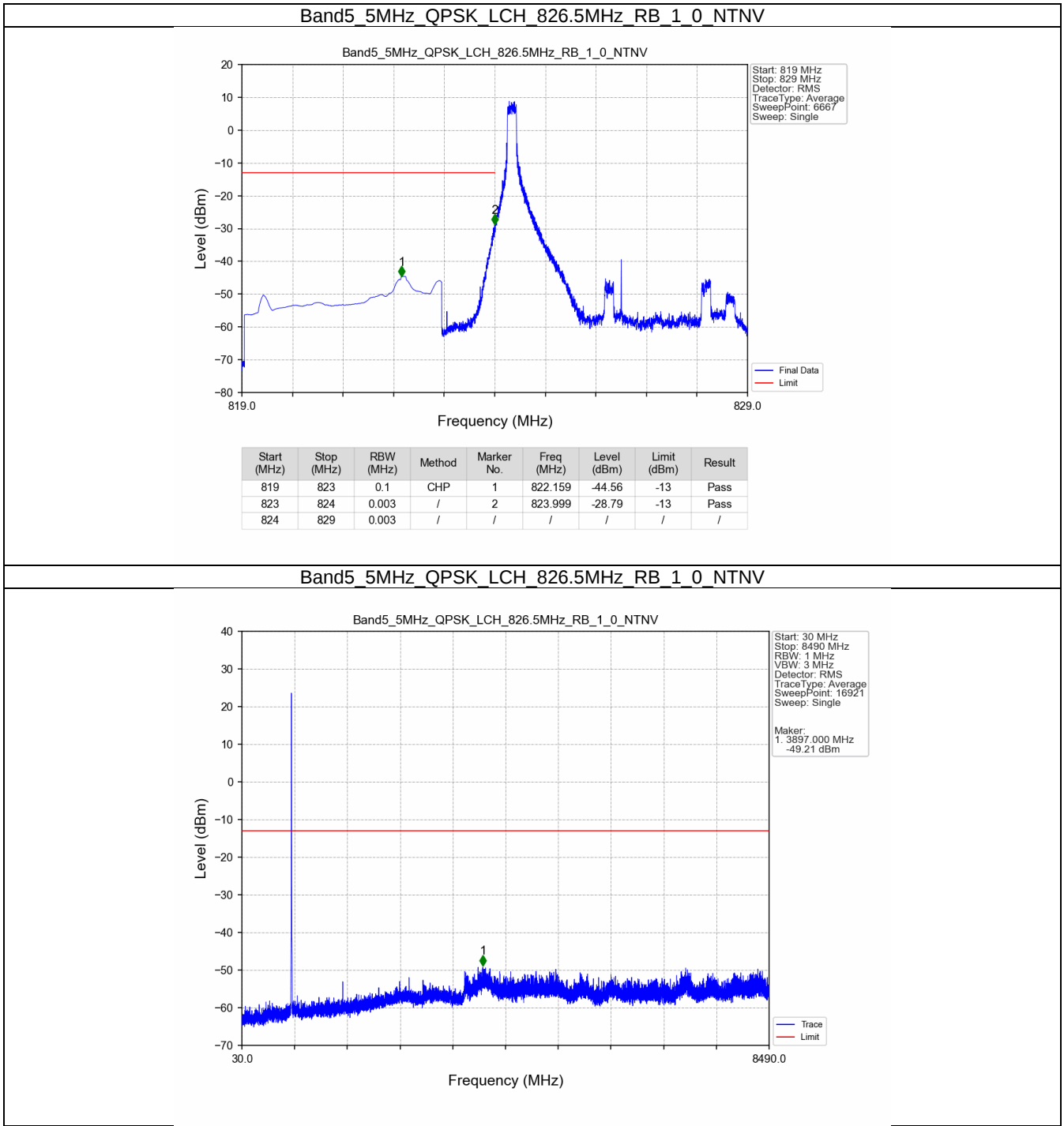
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.008    | -24.24      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.074    | -38.61      | -13         | Pass   |

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV

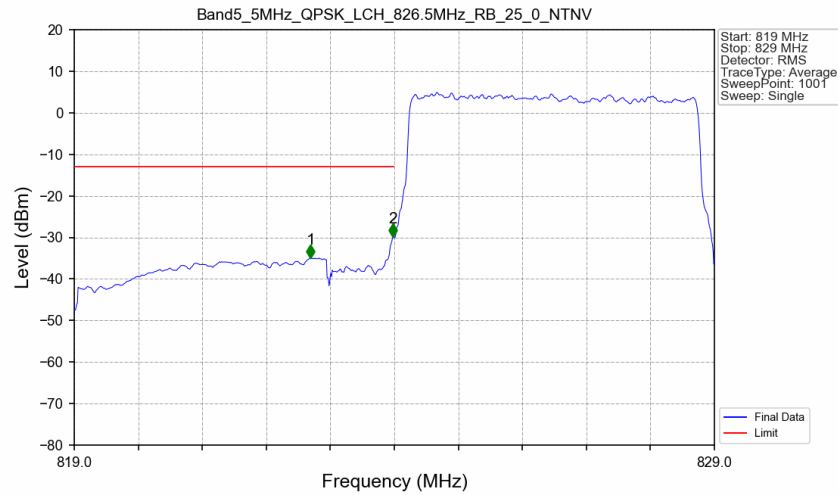


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.03      | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.03      | /      | 1          | 849.006    | -31.40      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.206    | -32.02      | -13         | Pass   |

5.2.3 B5\_5MHz

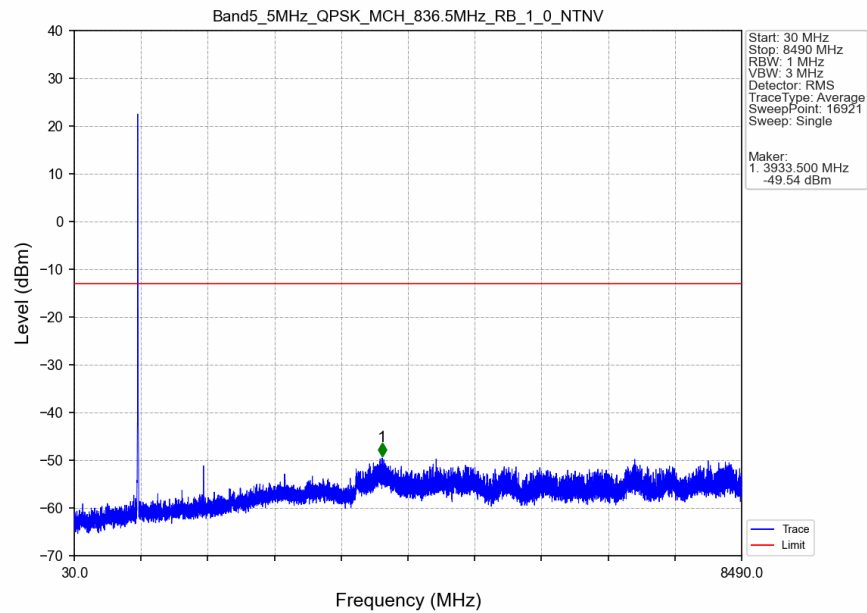


Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

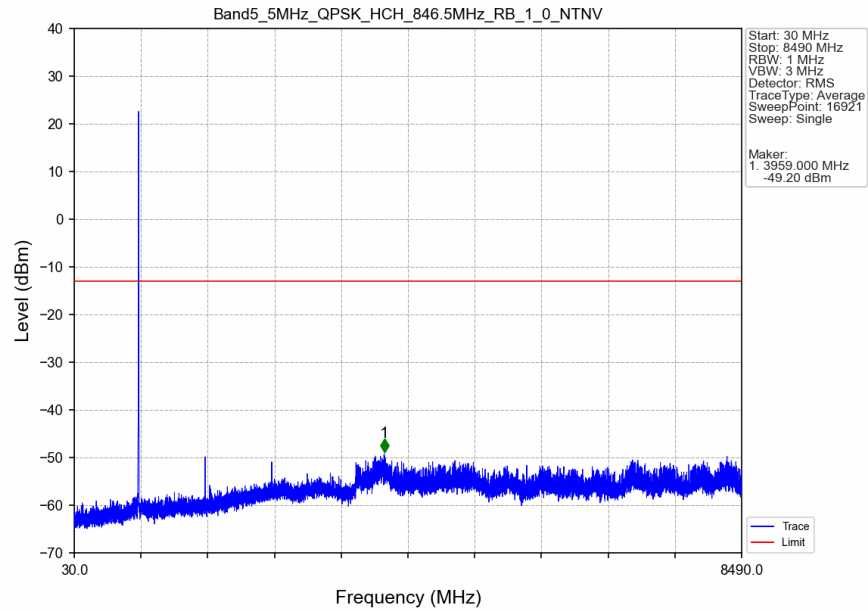


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.690    | -34.96      | -13         | Pass   |
| 823         | 824        | 0.05      | CHP    | 2          | 823.980    | -29.82      | -13         | Pass   |
| 824         | 829        | 0.05      | CHP    | /          | /          | /           | /           | /      |

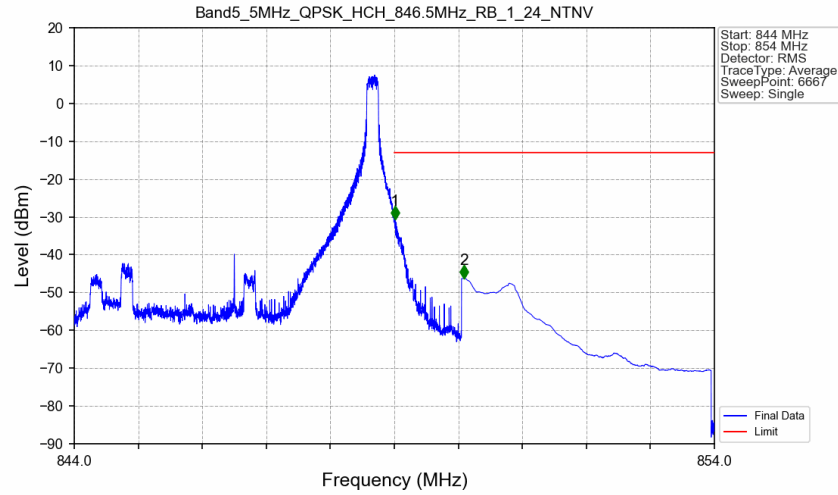
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



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

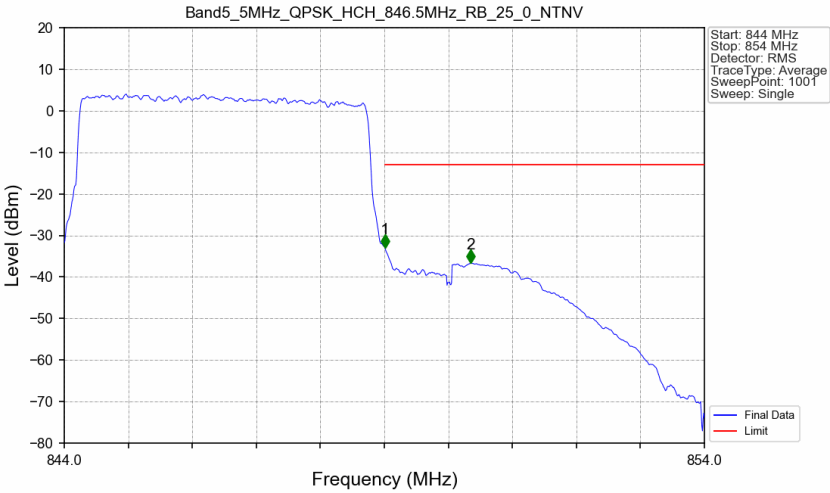


# Band5\_5MHz QPSK HCH 846.5MHz RB 1 24 NTN



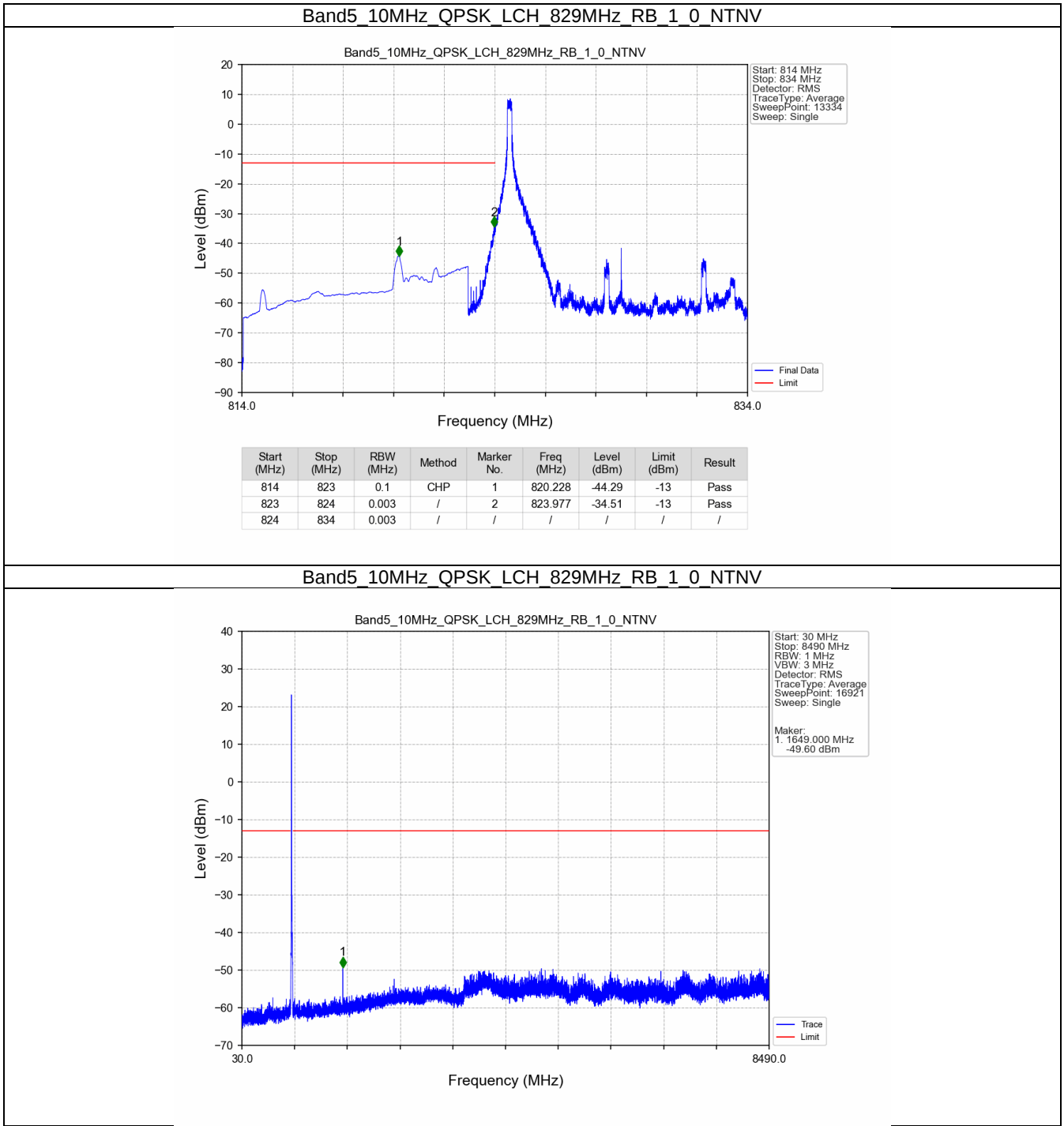
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.011    | -30.72      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.089    | -46.26      | -13         | Pass   |

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV

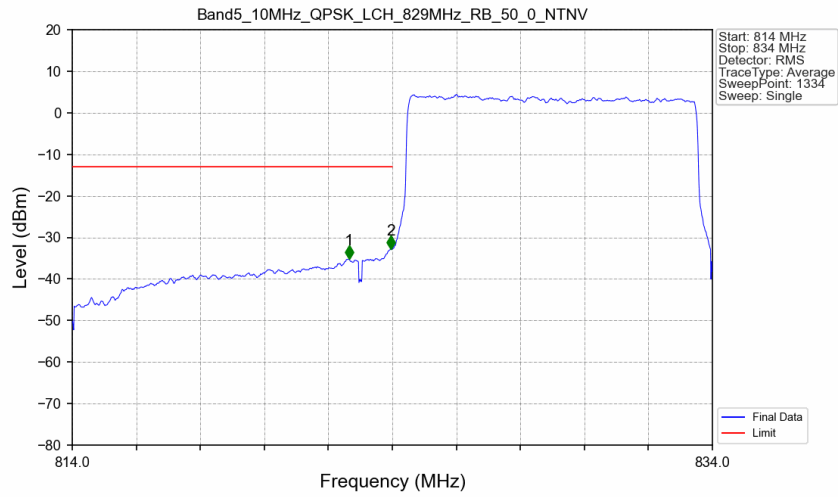


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.05      | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.05      | CHP    | 1          | 849.010    | -32.96      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.350    | -36.62      | -13         | Pass   |

5.2.4 B5\_10MHz

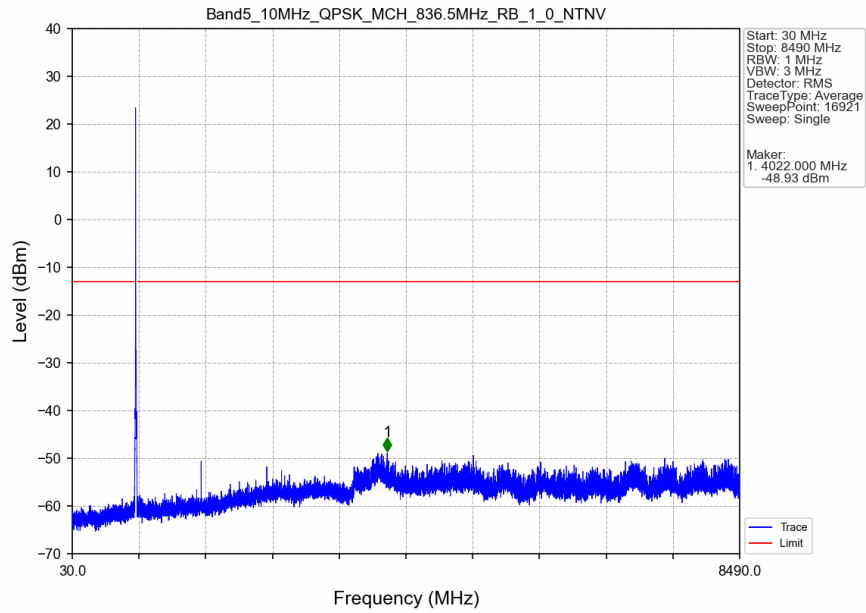


# Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN

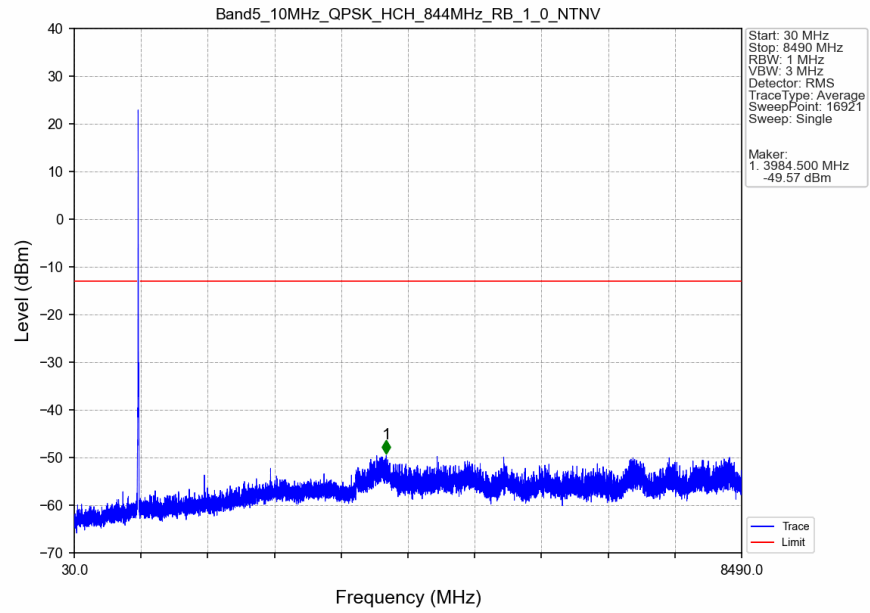


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 823        | 0.1       | CHP    | 1          | 822.642    | -35.20      | -13         | Pass   |
| 823         | 824        | 0.099     | CHP    | 2          | 823.962    | -32.71      | -13         | Pass   |
| 824         | 834        | 0.099     | CHP    | /          | /          | /           | /           | /      |

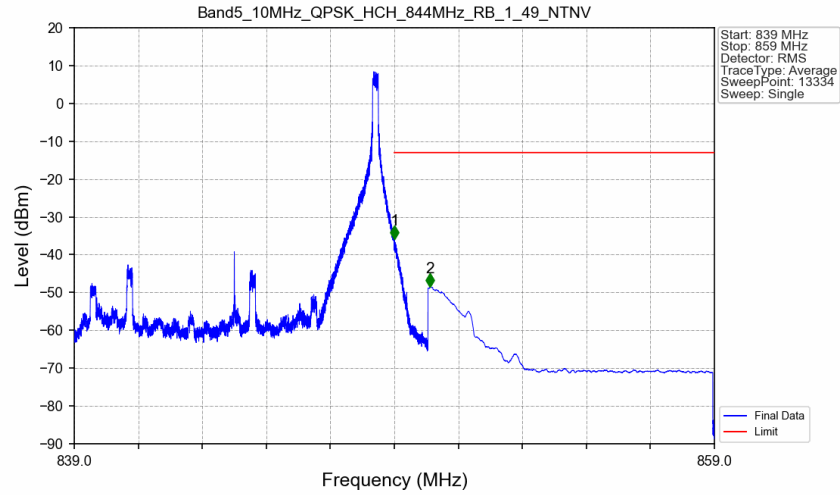
# Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



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

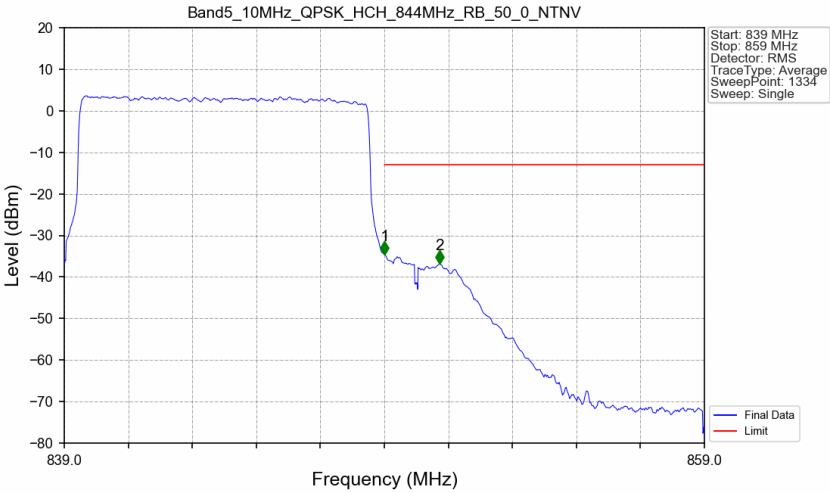


# Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



| 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    | -35.85      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.112    | -48.56      | -13         | Pass   |

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



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 839         | 849        | 0.099     | CHP    | /          | /          | /           | /           | /      |
| 849         | 850        | 0.099     | CHP    | 1          | 849.008    | -34.54      | -13         | Pass   |
| 850         | 859        | 0.1       | CHP    | 2          | 850.733    | -36.82      | -13         | Pass   |

## 6. Field Strength of Spurious Radiation

| LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                  | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1649.0                                                           | -64.45     | -13         | -51.45          | -67.33           | 2.62            | 5.5                | Horizontal         | Pass   |
| 2473.5                                                           | -69.41     | -13         | -56.41          | -72.11           | 3.06            | 5.76               | Horizontal         | Pass   |
| 3298.0                                                           | -66.75     | -13         | -53.75          | -71.11           | 3.3             | 7.66               | Horizontal         | Pass   |
| 1649.0                                                           | -65.26     | -13         | -52.26          | -68.14           | 2.62            | 5.5                | Vertical           | Pass   |
| 2473.5                                                           | -69.2      | -13         | -56.2           | -71.9            | 3.06            | 5.76               | Vertical           | Pass   |
| 3298.0                                                           | -66.87     | -13         | -53.87          | -71.23           | 3.3             | 7.66               | Vertical           | Pass   |

| LTE Band 5-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|---------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                     | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1664.0                                                              | -62.08     | -13         | -49.08          | -64.92           | 2.63            | 5.47               | Horizontal         | Pass   |
| 2496.0                                                              | -68.83     | -13         | -55.83          | -71.56           | 3.08            | 5.81               | Horizontal         | Pass   |
| 3328.0                                                              | -67.14     | -13         | -54.14          | -71.57           | 3.31            | 7.74               | Horizontal         | Pass   |
| 1664.0                                                              | -65.97     | -13         | -52.97          | -68.81           | 2.63            | 5.47               | Vertical           | Pass   |
| 2496.0                                                              | -68.89     | -13         | -55.89          | -71.62           | 3.08            | 5.81               | Vertical           | Pass   |
| 3328.0                                                              | -66.47     | -13         | -53.47          | -70.9            | 3.31            | 7.74               | Vertical           | Pass   |

| LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                   | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1679.0                                                            | -65.79     | -13         | -52.79          | -68.59           | 2.63            | 5.43               | Horizontal         | Pass   |
| 2518.5                                                            | -68.95     | -13         | -55.95          | -71.73           | 3.08            | 5.86               | Horizontal         | Pass   |
| 3358.0                                                            | -67.07     | -13         | -54.07          | -71.56           | 3.33            | 7.82               | Horizontal         | Pass   |
| 1679.0                                                            | -68.08     | -13         | -55.08          | -70.88           | 2.63            | 5.43               | Vertical           | Pass   |
| 2518.5                                                            | -68.71     | -13         | -55.71          | -71.49           | 3.08            | 5.86               | Vertical           | Pass   |
| 3358.0                                                            | -66.97     | -13         | -53.97          | -71.46           | 3.33            | 7.82               | Vertical           | Pass   |