

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B12\_1.4MHz\_ERP

| Band: 12 / Bandwidth: 1.4MHz / NTN |                 |               |        |                       |            |           |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                               | 699.7           | 1             | 0      | 23.80                 | -3.50      | 18.15     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.81                 | -3.50      | 18.16     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.78                 | -3.50      | 18.13     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 23.83                 | -3.50      | 18.18     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.80                 | -3.50      | 18.15     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.78                 | -3.50      | 18.13     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 22.84                 | -3.50      | 17.19     | <=34.77 | Pass    |
|                                    | 707.5           | 1             | 0      | 23.94                 | -3.50      | 18.29     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.94                 | -3.50      | 18.29     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.91                 | -3.50      | 18.26     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 23.88                 | -3.50      | 18.23     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.86                 | -3.50      | 18.21     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.85                 | -3.50      | 18.20     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                    | 715.3           | 1             | 0      | 23.92                 | -3.50      | 18.27     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.94                 | -3.50      | 18.29     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.93                 | -3.50      | 18.28     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 23.77                 | -3.50      | 18.12     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.79                 | -3.50      | 18.14     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.79                 | -3.50      | 18.14     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 22.80                 | -3.50      | 17.15     | <=34.77 | Pass    |
| 16QAM                              | 699.7           | 1             | 0      | 22.96                 | -3.50      | 17.31     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.92                 | -3.50      | 17.27     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 22.94                 | -3.50      | 17.29     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.91                 | -3.50      | 17.26     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.88                 | -3.50      | 17.23     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 22.89                 | -3.50      | 17.24     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 21.75                 | -3.50      | 16.10     | <=34.77 | Pass    |
|                                    | 707.5           | 1             | 0      | 22.80                 | -3.50      | 17.15     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.75                 | -3.50      | 17.10     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 22.77                 | -3.50      | 17.12     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 22.81                 | -3.50      | 17.16     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 21.80                 | -3.50      | 16.15     | <=34.77 | Pass    |
|                                    | 715.3           | 1             | 0      | 22.78                 | -3.50      | 17.13     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.97                 | -3.50      | 17.32     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.01                 | -3.50      | 17.36     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.00                 | -3.50      | 17.35     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 21.80                 | -3.50      | 16.15     | <=34.77 | Pass    |
| 64QAM                              | 699.7           | 1             | 0      | 22.35                 | -3.50      | 16.70     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.32                 | -3.50      | 16.67     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 22.30                 | -3.50      | 16.65     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.08                 | -3.50      | 16.43     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.00                 | -3.50      | 16.35     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 22.01                 | -3.50      | 16.36     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 20.93                 | -3.50      | 15.28     | <=34.77 | Pass    |

|  |       |   |   |       |       |       |         |      |
|--|-------|---|---|-------|-------|-------|---------|------|
|  | 707.5 | 1 | 0 | 21.98 | -3.50 | 16.33 | <=34.77 | Pass |
|  |       |   | 2 | 21.93 | -3.50 | 16.28 | <=34.77 | Pass |
|  |       |   | 5 | 21.90 | -3.50 | 16.25 | <=34.77 | Pass |
|  |       | 3 | 0 | 21.84 | -3.50 | 16.19 | <=34.77 | Pass |
|  |       |   | 2 | 21.85 | -3.50 | 16.20 | <=34.77 | Pass |
|  |       |   | 3 | 21.84 | -3.50 | 16.19 | <=34.77 | Pass |
|  | 715.3 | 6 | 0 | 20.86 | -3.50 | 15.21 | <=34.77 | Pass |
|  |       |   | 0 | 21.76 | -3.50 | 16.11 | <=34.77 | Pass |
|  |       |   | 2 | 21.76 | -3.50 | 16.11 | <=34.77 | Pass |
|  |       | 1 | 5 | 21.81 | -3.50 | 16.16 | <=34.77 | Pass |
|  |       |   | 0 | 21.90 | -3.50 | 16.25 | <=34.77 | Pass |
|  |       |   | 2 | 21.92 | -3.50 | 16.27 | <=34.77 | Pass |
|  |       | 3 | 3 | 21.92 | -3.50 | 16.27 | <=34.77 | Pass |
|  |       |   | 0 | 20.80 | -3.50 | 15.15 | <=34.77 | Pass |
|  |       |   | 0 |       |       |       |         |      |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.2 B12\_3MHz\_ERP

| Band: 12 / Bandwidth: 3MHz / NTNV |                 |               |        |                       |            |           |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                              | 700.5           | 1             | 0      | 23.85                 | -3.50      | 18.20     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 23.83                 | -3.50      | 18.18     | <=34.77 | Pass    |
|                                   |                 |               | 14     | 23.82                 | -3.50      | 18.17     | <=34.77 | Pass    |
|                                   |                 | 8             | 0      | 22.86                 | -3.50      | 17.21     | <=34.77 | Pass    |
|                                   |                 |               | 4      | 22.84                 | -3.50      | 17.19     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 22.82                 | -3.50      | 17.17     | <=34.77 | Pass    |
|                                   |                 | 15            | 0      | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                   | 707.5           | 1             | 0      | 23.84                 | -3.50      | 18.19     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 23.82                 | -3.50      | 18.17     | <=34.77 | Pass    |
|                                   |                 |               | 14     | 23.79                 | -3.50      | 18.14     | <=34.77 | Pass    |
|                                   |                 | 8             | 0      | 22.86                 | -3.50      | 17.21     | <=34.77 | Pass    |
|                                   |                 |               | 4      | 22.81                 | -3.50      | 17.16     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 22.80                 | -3.50      | 17.15     | <=34.77 | Pass    |
|                                   |                 | 15            | 0      | 22.80                 | -3.50      | 17.15     | <=34.77 | Pass    |
|                                   | 714.5           | 1             | 0      | 23.83                 | -3.50      | 18.18     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 23.82                 | -3.50      | 18.17     | <=34.77 | Pass    |
|                                   |                 |               | 14     | 23.87                 | -3.50      | 18.22     | <=34.77 | Pass    |
|                                   |                 | 8             | 0      | 22.81                 | -3.50      | 17.16     | <=34.77 | Pass    |
|                                   |                 |               | 4      | 22.77                 | -3.50      | 17.12     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 22.85                 | -3.50      | 17.20     | <=34.77 | Pass    |
|                                   |                 | 15            | 0      | 22.80                 | -3.50      | 17.15     | <=34.77 | Pass    |
| 16QAM                             | 700.5           | 1             | 0      | 23.02                 | -3.50      | 17.37     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 23.04                 | -3.50      | 17.39     | <=34.77 | Pass    |
|                                   |                 |               | 14     | 23.01                 | -3.50      | 17.36     | <=34.77 | Pass    |
|                                   |                 | 8             | 0      | 21.88                 | -3.50      | 16.23     | <=34.77 | Pass    |
|                                   |                 |               | 4      | 21.84                 | -3.50      | 16.19     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 21.80                 | -3.50      | 16.15     | <=34.77 | Pass    |
|                                   |                 | 15            | 0      | 21.78                 | -3.50      | 16.13     | <=34.77 | Pass    |
|                                   | 707.5           | 1             | 0      | 23.01                 | -3.50      | 17.36     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 22.97                 | -3.50      | 17.32     | <=34.77 | Pass    |
|                                   |                 |               | 14     | 22.90                 | -3.50      | 17.25     | <=34.77 | Pass    |
|                                   |                 | 8             | 0      | 21.85                 | -3.50      | 16.20     | <=34.77 | Pass    |
|                                   |                 |               | 4      | 21.82                 | -3.50      | 16.17     | <=34.77 | Pass    |
|                                   |                 |               | 7      | 21.80                 | -3.50      | 16.15     | <=34.77 | Pass    |
|                                   |                 | 15            | 0      | 21.70                 | -3.50      | 16.05     | <=34.77 | Pass    |
|                                   | 714.5           | 1             | 0      | 22.67                 | -3.50      | 17.02     | <=34.77 | Pass    |

|       |       |    |    |       |       |       |         |      |
|-------|-------|----|----|-------|-------|-------|---------|------|
| 64QAM | 700.5 | 8  | 7  | 22.64 | -3.50 | 16.99 | <=34.77 | Pass |
|       |       |    | 14 | 22.69 | -3.50 | 17.04 | <=34.77 | Pass |
|       |       |    | 0  | 21.84 | -3.50 | 16.19 | <=34.77 | Pass |
|       |       | 15 | 4  | 21.83 | -3.50 | 16.18 | <=34.77 | Pass |
|       |       |    | 7  | 21.87 | -3.50 | 16.22 | <=34.77 | Pass |
|       |       |    | 0  | 21.81 | -3.50 | 16.16 | <=34.77 | Pass |
|       | 707.5 | 1  | 0  | 22.18 | -3.50 | 16.53 | <=34.77 | Pass |
|       |       |    | 7  | 22.19 | -3.50 | 16.54 | <=34.77 | Pass |
|       |       |    | 14 | 22.18 | -3.50 | 16.53 | <=34.77 | Pass |
|       |       | 8  | 0  | 20.99 | -3.50 | 15.34 | <=34.77 | Pass |
|       |       |    | 4  | 20.95 | -3.50 | 15.30 | <=34.77 | Pass |
|       |       |    | 7  | 20.91 | -3.50 | 15.26 | <=34.77 | Pass |
|       |       | 15 | 0  | 20.77 | -3.50 | 15.12 | <=34.77 | Pass |
|       |       | 1  | 0  | 22.39 | -3.50 | 16.74 | <=34.77 | Pass |
|       |       |    | 7  | 22.33 | -3.50 | 16.68 | <=34.77 | Pass |
|       |       |    | 14 | 22.33 | -3.50 | 16.68 | <=34.77 | Pass |
|       |       | 8  | 0  | 20.82 | -3.50 | 15.17 | <=34.77 | Pass |
|       |       |    | 4  | 20.81 | -3.50 | 15.16 | <=34.77 | Pass |
|       |       |    | 7  | 20.79 | -3.50 | 15.14 | <=34.77 | Pass |
|       | 714.5 | 1  | 0  | 20.80 | -3.50 | 15.15 | <=34.77 | Pass |
|       |       |    | 0  | 21.89 | -3.50 | 16.24 | <=34.77 | Pass |
|       |       |    | 7  | 21.88 | -3.50 | 16.23 | <=34.77 | Pass |
|       |       | 8  | 14 | 21.95 | -3.50 | 16.30 | <=34.77 | Pass |
|       |       |    | 0  | 20.83 | -3.50 | 15.18 | <=34.77 | Pass |
|       |       |    | 4  | 20.82 | -3.50 | 15.17 | <=34.77 | Pass |
|       |       | 15 | 7  | 20.89 | -3.50 | 15.24 | <=34.77 | Pass |
|       |       |    | 0  | 20.68 | -3.50 | 15.03 | <=34.77 | Pass |
|       |       |    |    |       |       |       |         |      |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.3 B12\_5MHz\_ERP

| Band: 12 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |           |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                              | 701.5           | 1             | 0      | 23.94                 | -3.50      | 18.29     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.90                 | -3.50      | 18.25     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 24.00                 | -3.50      | 18.35     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.87                 | -3.50      | 17.22     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.87                 | -3.50      | 17.22     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.88                 | -3.50      | 17.23     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.95                 | -3.50      | 17.30     | <=34.77 | Pass    |
|                                   | 707.5           | 1             | 0      | 23.93                 | -3.50      | 18.28     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.89                 | -3.50      | 18.24     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.86                 | -3.50      | 18.21     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.89                 | -3.50      | 17.24     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.87                 | -3.50      | 17.22     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.82                 | -3.50      | 17.17     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.87                 | -3.50      | 17.22     | <=34.77 | Pass    |
|                                   | 713.5           | 1             | 0      | 23.79                 | -3.50      | 18.14     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.79                 | -3.50      | 18.14     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.82                 | -3.50      | 18.17     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.85                 | -3.50      | 17.20     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.80                 | -3.50      | 17.15     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.83                 | -3.50      | 17.18     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.88                 | -3.50      | 17.23     | <=34.77 | Pass    |
| 16QAM                             | 701.5           | 1             | 0      | 23.09                 | -3.50      | 17.44     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.10                 | -3.50      | 17.45     | <=34.77 | Pass    |

|                                              |       |       |       |       |       |         |         |         |
|----------------------------------------------|-------|-------|-------|-------|-------|---------|---------|---------|
|                                              |       |       | 24    | 23.19 | -3.50 | 17.54   | <=34.77 | Pass    |
|                                              |       | 12    | 0     | 21.88 | -3.50 | 16.23   | <=34.77 | Pass    |
|                                              |       |       | 6     | 21.87 | -3.50 | 16.22   | <=34.77 | Pass    |
|                                              |       |       | 13    | 21.87 | -3.50 | 16.22   | <=34.77 | Pass    |
|                                              |       | 25    | 0     | 21.93 | -3.50 | 16.28   | <=34.77 | Pass    |
|                                              | 707.5 | 1     | 0     | 23.08 | -3.50 | 17.43   | <=34.77 | Pass    |
|                                              |       |       | 13    | 23.02 | -3.50 | 17.37   | <=34.77 | Pass    |
|                                              |       |       | 24    | 22.99 | -3.50 | 17.34   | <=34.77 | Pass    |
|                                              |       | 12    | 0     | 21.84 | -3.50 | 16.19   | <=34.77 | Pass    |
|                                              |       |       | 6     | 21.85 | -3.50 | 16.20   | <=34.77 | Pass    |
|                                              |       |       | 13    | 21.77 | -3.50 | 16.12   | <=34.77 | Pass    |
|                                              |       | 25    | 0     | 21.84 | -3.50 | 16.19   | <=34.77 | Pass    |
|                                              |       | 713.5 | 1     | 0     | 23.06 | -3.50   | 17.41   | <=34.77 |
|                                              | 13    |       |       | 23.06 | -3.50 | 17.41   | <=34.77 | Pass    |
|                                              | 24    |       |       | 23.09 | -3.50 | 17.44   | <=34.77 | Pass    |
|                                              | 12    |       | 0     | 21.93 | -3.50 | 16.28   | <=34.77 | Pass    |
|                                              |       |       | 6     | 21.86 | -3.50 | 16.21   | <=34.77 | Pass    |
|                                              |       |       | 13    | 21.88 | -3.50 | 16.23   | <=34.77 | Pass    |
|                                              | 25    |       | 0     | 21.90 | -3.50 | 16.25   | <=34.77 | Pass    |
|                                              | 64QAM | 701.5 | 1     | 0     | 22.24 | -3.50   | 16.59   | <=34.77 |
| 13                                           |       |       |       | 22.23 | -3.50 | 16.58   | <=34.77 | Pass    |
| 24                                           |       |       |       | 22.33 | -3.50 | 16.68   | <=34.77 | Pass    |
| 12                                           |       |       | 0     | 20.87 | -3.50 | 15.22   | <=34.77 | Pass    |
|                                              |       |       | 6     | 20.85 | -3.50 | 15.20   | <=34.77 | Pass    |
|                                              |       |       | 13    | 20.89 | -3.50 | 15.24   | <=34.77 | Pass    |
| 25                                           |       |       | 0     | 20.89 | -3.50 | 15.24   | <=34.77 | Pass    |
| 707.5                                        |       | 1     | 0     | 22.08 | -3.50 | 16.43   | <=34.77 | Pass    |
|                                              |       |       | 13    | 22.00 | -3.50 | 16.35   | <=34.77 | Pass    |
|                                              |       |       | 24    | 21.98 | -3.50 | 16.33   | <=34.77 | Pass    |
|                                              |       | 12    | 0     | 20.82 | -3.50 | 15.17   | <=34.77 | Pass    |
|                                              |       |       | 6     | 20.81 | -3.50 | 15.16   | <=34.77 | Pass    |
|                                              |       |       | 13    | 20.76 | -3.50 | 15.11   | <=34.77 | Pass    |
|                                              |       | 25    | 0     | 20.81 | -3.50 | 15.16   | <=34.77 | Pass    |
| 713.5                                        |       | 1     | 0     | 22.35 | -3.50 | 16.70   | <=34.77 | Pass    |
|                                              |       |       | 13    | 22.33 | -3.50 | 16.68   | <=34.77 | Pass    |
|                                              |       |       | 24    | 22.36 | -3.50 | 16.71   | <=34.77 | Pass    |
|                                              |       | 12    | 0     | 20.99 | -3.50 | 15.34   | <=34.77 | Pass    |
|                                              |       |       | 6     | 20.93 | -3.50 | 15.28   | <=34.77 | Pass    |
|                                              |       |       | 13    | 20.93 | -3.50 | 15.28   | <=34.77 | Pass    |
|                                              | 25    | 0     | 20.84 | -3.50 | 15.19 | <=34.77 | Pass    |         |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |       |       |       |         |         |         |

#### 1.1.4 B12\_10MHz\_ERP

| Band: 12 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |           |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                               | 704             | 1             | 0      | 23.89                 | -3.50      | 18.24     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.93                 | -3.50      | 18.28     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.87                 | -3.50      | 18.22     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 22.90                 | -3.50      | 17.25     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 22.87                 | -3.50      | 17.22     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.91                 | -3.50      | 17.26     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.89                 | -3.50      | 17.24     | <=34.77 | Pass    |
|                                    | 707.5           | 1             | 0      | 23.92                 | -3.50      | 18.27     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.90                 | -3.50      | 18.25     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.86                 | -3.50      | 18.21     | <=34.77 | Pass    |

|     |                                              |       |       |       |       |         |         |         |         |      |
|-----|----------------------------------------------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|     |                                              | 25    | 0     | 22.87 | -3.50 | 17.22   | <=34.77 | Pass    |         |      |
|     |                                              |       | 13    | 22.87 | -3.50 | 17.22   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 22.77 | -3.50 | 17.12   | <=34.77 | Pass    |         |      |
|     |                                              | 50    | 0     | 22.82 | -3.50 | 17.17   | <=34.77 | Pass    |         |      |
|     |                                              |       | 1     | 0     | 24.00 | -3.50   | 18.35   | <=34.77 | Pass    |      |
|     |                                              |       |       | 25    | 23.91 | -3.50   | 18.26   | <=34.77 | Pass    |      |
|     |                                              | 49    |       | 23.91 | -3.50 | 18.26   | <=34.77 | Pass    |         |      |
|     |                                              | 25    | 0     | 22.89 | -3.50 | 17.24   | <=34.77 | Pass    |         |      |
|     |                                              |       | 13    | 22.82 | -3.50 | 17.17   | <=34.77 | Pass    |         |      |
|     | 25                                           |       | 22.83 | -3.50 | 17.18 | <=34.77 | Pass    |         |         |      |
|     | 50                                           | 0     | 22.89 | -3.50 | 17.24 | <=34.77 | Pass    |         |         |      |
|     | 16QAM                                        | 704   | 1     | 0     | 23.07 | -3.50   | 17.42   | <=34.77 | Pass    |      |
| 25  |                                              |       |       | 23.13 | -3.50 | 17.48   | <=34.77 | Pass    |         |      |
| 49  |                                              |       |       | 23.06 | -3.50 | 17.41   | <=34.77 | Pass    |         |      |
| 25  |                                              |       | 0     | 21.95 | -3.50 | 16.30   | <=34.77 | Pass    |         |      |
|     |                                              |       | 13    | 21.92 | -3.50 | 16.27   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 21.97 | -3.50 | 16.32   | <=34.77 | Pass    |         |      |
|     |                                              |       | 50    | 0     | 21.89 | -3.50   | 16.24   | <=34.77 | Pass    |      |
|     |                                              |       | 707.5 | 1     | 0     | 23.08   | -3.50   | 17.43   | <=34.77 | Pass |
|     |                                              |       |       |       | 25    | 23.00   | -3.50   | 17.35   | <=34.77 | Pass |
| 49  |                                              | 22.99 |       |       | -3.50 | 17.34   | <=34.77 | Pass    |         |      |
| 25  |                                              | 0     |       | 21.88 | -3.50 | 16.23   | <=34.77 | Pass    |         |      |
|     |                                              | 13    |       | 21.87 | -3.50 | 16.22   | <=34.77 | Pass    |         |      |
|     |                                              | 25    |       | 21.78 | -3.50 | 16.13   | <=34.77 | Pass    |         |      |
| 50  |                                              | 0     | 21.78 | -3.50 | 16.13 | <=34.77 | Pass    |         |         |      |
| 711 |                                              | 1     | 0     | 22.81 | -3.50 | 17.16   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 22.72 | -3.50 | 17.07   | <=34.77 | Pass    |         |      |
|     |                                              |       | 49    | 22.69 | -3.50 | 17.04   | <=34.77 | Pass    |         |      |
|     |                                              | 25    | 0     | 21.88 | -3.50 | 16.23   | <=34.77 | Pass    |         |      |
|     |                                              |       | 13    | 21.82 | -3.50 | 16.17   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 21.80 | -3.50 | 16.15   | <=34.77 | Pass    |         |      |
|     |                                              | 50    | 0     | 21.87 | -3.50 | 16.22   | <=34.77 | Pass    |         |      |
|     |                                              | 64QAM | 704   | 1     | 0     | 22.21   | -3.50   | 16.56   | <=34.77 | Pass |
|     |                                              |       |       |       | 25    | 22.28   | -3.50   | 16.63   | <=34.77 | Pass |
| 49  |                                              |       |       |       | 22.23 | -3.50   | 16.58   | <=34.77 | Pass    |      |
| 25  |                                              |       |       | 0     | 20.86 | -3.50   | 15.21   | <=34.77 | Pass    |      |
|     |                                              |       |       | 13    | 20.86 | -3.50   | 15.21   | <=34.77 | Pass    |      |
|     |                                              |       |       | 25    | 20.88 | -3.50   | 15.23   | <=34.77 | Pass    |      |
|     | 50                                           |       |       | 0     | 20.92 | -3.50   | 15.27   | <=34.77 | Pass    |      |
|     | 707.5                                        |       |       | 1     | 0     | 22.49   | -3.50   | 16.84   | <=34.77 | Pass |
|     |                                              |       |       |       | 25    | 22.41   | -3.50   | 16.76   | <=34.77 | Pass |
| 49  |                                              |       | 22.37 |       | -3.50 | 16.72   | <=34.77 | Pass    |         |      |
| 25  |                                              |       | 0     | 20.85 | -3.50 | 15.20   | <=34.77 | Pass    |         |      |
|     |                                              |       | 13    | 20.85 | -3.50 | 15.20   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 20.73 | -3.50 | 15.08   | <=34.77 | Pass    |         |      |
| 50  | 0                                            |       | 20.75 | -3.50 | 15.10 | <=34.77 | Pass    |         |         |      |
| 711 | 1                                            |       | 0     | 21.98 | -3.50 | 16.33   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 21.90 | -3.50 | 16.25   | <=34.77 | Pass    |         |      |
|     |                                              |       | 49    | 21.93 | -3.50 | 16.28   | <=34.77 | Pass    |         |      |
|     | 25                                           |       | 0     | 20.74 | -3.50 | 15.09   | <=34.77 | Pass    |         |      |
|     |                                              |       | 13    | 20.68 | -3.50 | 15.03   | <=34.77 | Pass    |         |      |
|     |                                              |       | 25    | 20.70 | -3.50 | 15.05   | <=34.77 | Pass    |         |      |
|     | 50                                           |       | 0     | 20.83 | -3.50 | 15.18   | <=34.77 | Pass    |         |      |
|     | Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |       |       |         |         |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B12\_10MHz

| Band: 12 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 707.5           | 50            | 0      | 20         | 3.27          | -3.928           | -0.0056               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -0.369           | -0.0005               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -4.156           | -0.0059               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -0.073           | -0.0001               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -0.828           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -4.693           | -0.0066               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.062           | -0.0057               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -2.275           | -0.0032               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -0.904           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -0.934           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -3.990           | -0.0056               | -2.5 to 2.5 | Pass    |

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 Band12\_OBW

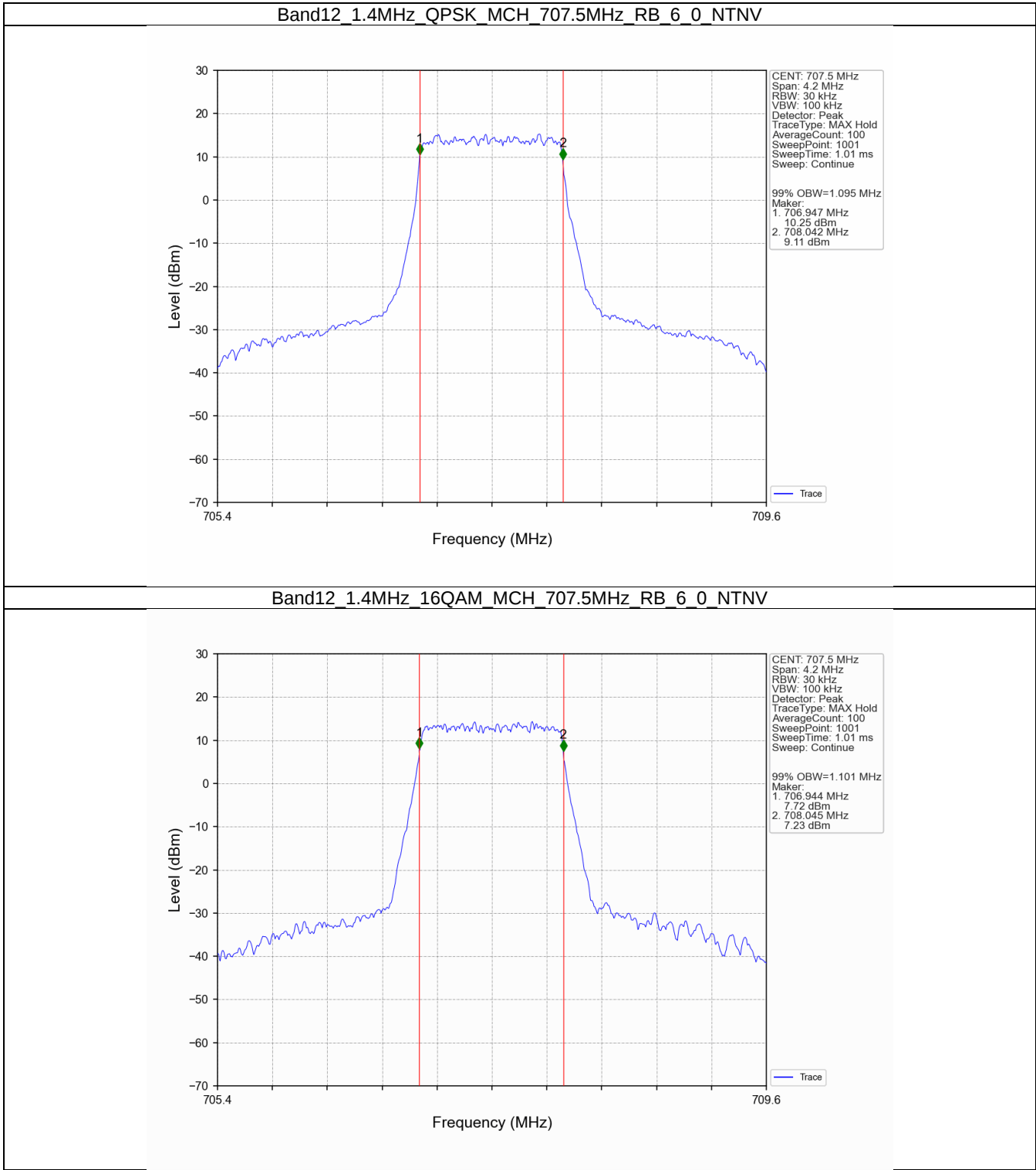
| Band: 12 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 707.5           | 6             | 0      | 1.095                        | /     | Pass    |
|                 | 16QAM      | 707.5           | 6             | 0      | 1.101                        | /     | Pass    |
| 3               | QPSK       | 707.5           | 15            | 0      | 2.732                        | /     | Pass    |
|                 | 16QAM      | 707.5           | 15            | 0      | 2.729                        | /     | Pass    |
| 5               | QPSK       | 707.5           | 25            | 0      | 4.519                        | /     | Pass    |
|                 | 16QAM      | 707.5           | 25            | 0      | 4.495                        | /     | Pass    |
| 10              | QPSK       | 707.5           | 50            | 0      | 8.966                        | /     | Pass    |
|                 | 16QAM      | 707.5           | 50            | 0      | 8.971                        | /     | Pass    |

#### 3.1.2 Band12\_XDB

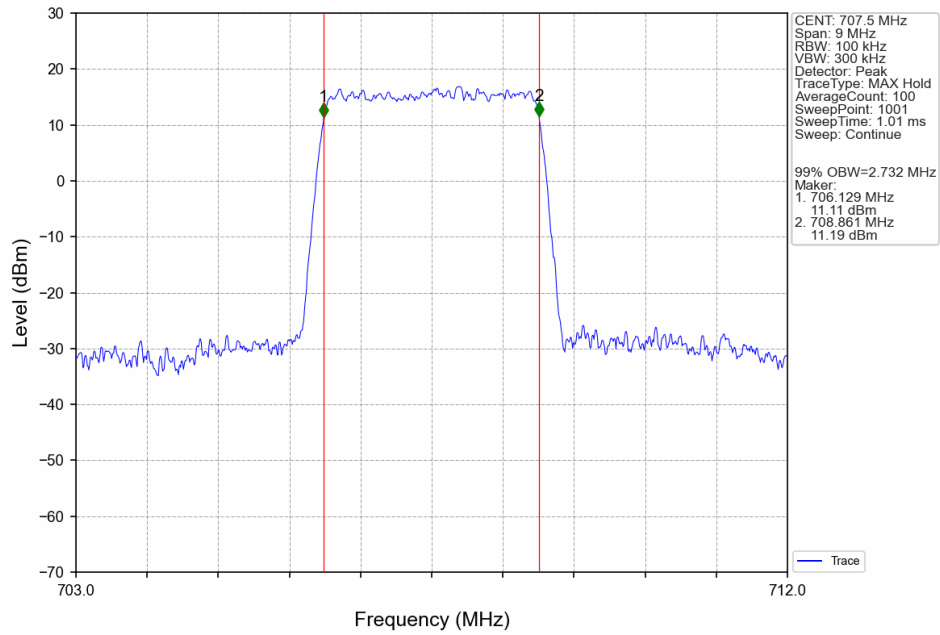
| Band: 12 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 707.5           | 6             | 0      | 1.297                | /     | Pass    |
|                 | 16QAM      | 707.5           | 6             | 0      | 1.325                | /     | Pass    |
| 3               | QPSK       | 707.5           | 15            | 0      | 3.030                | /     | Pass    |
|                 | 16QAM      | 707.5           | 15            | 0      | 3.049                | /     | Pass    |
| 5               | QPSK       | 707.5           | 25            | 0      | 4.982                | /     | Pass    |
|                 | 16QAM      | 707.5           | 25            | 0      | 4.931                | /     | Pass    |
| 10              | QPSK       | 707.5           | 50            | 0      | 9.852                | /     | Pass    |
|                 | 16QAM      | 707.5           | 50            | 0      | 9.764                | /     | Pass    |

3.2 Test Graph

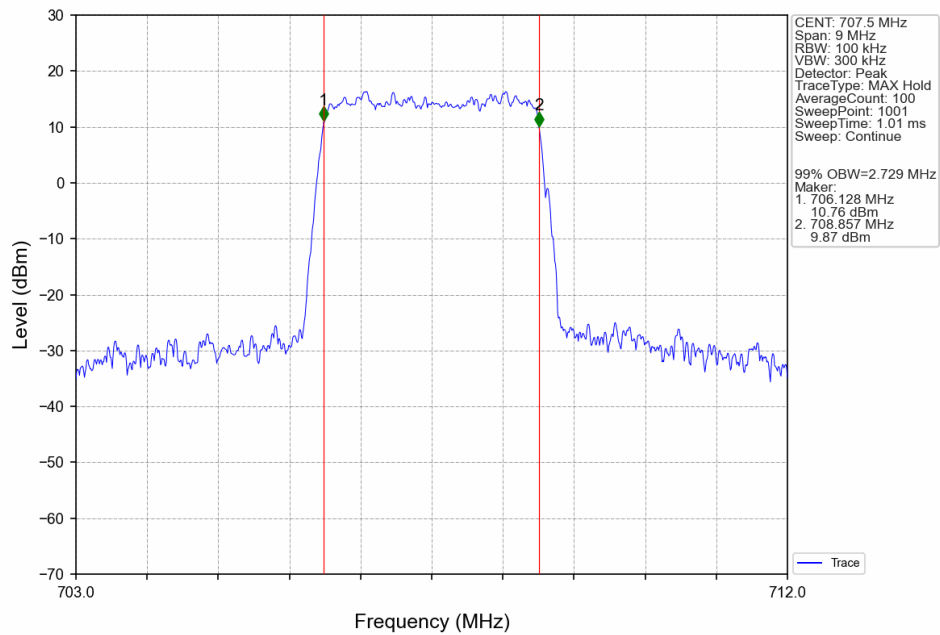
3.2.1 Band12\_OBW



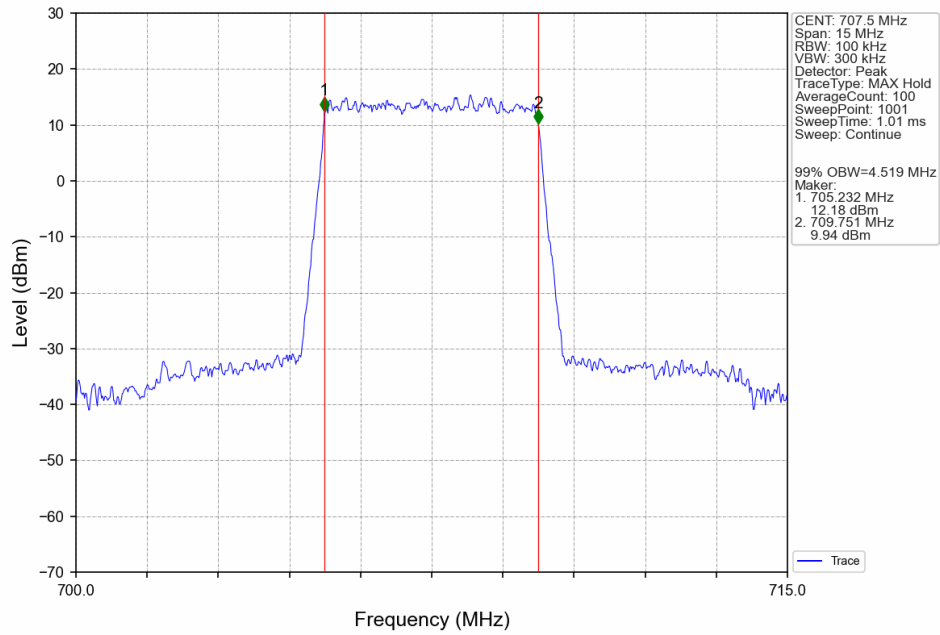
Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



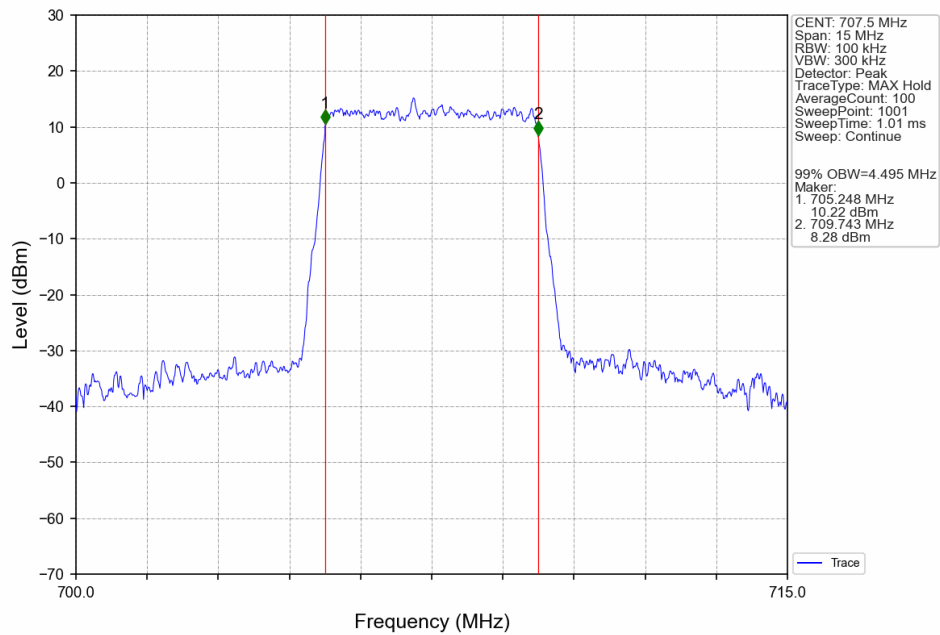
Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



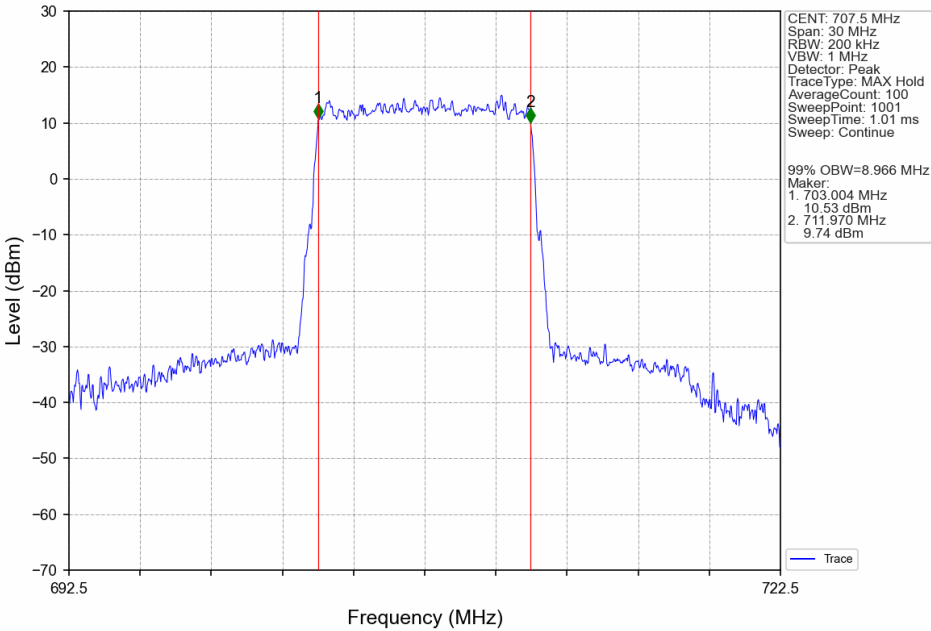
Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



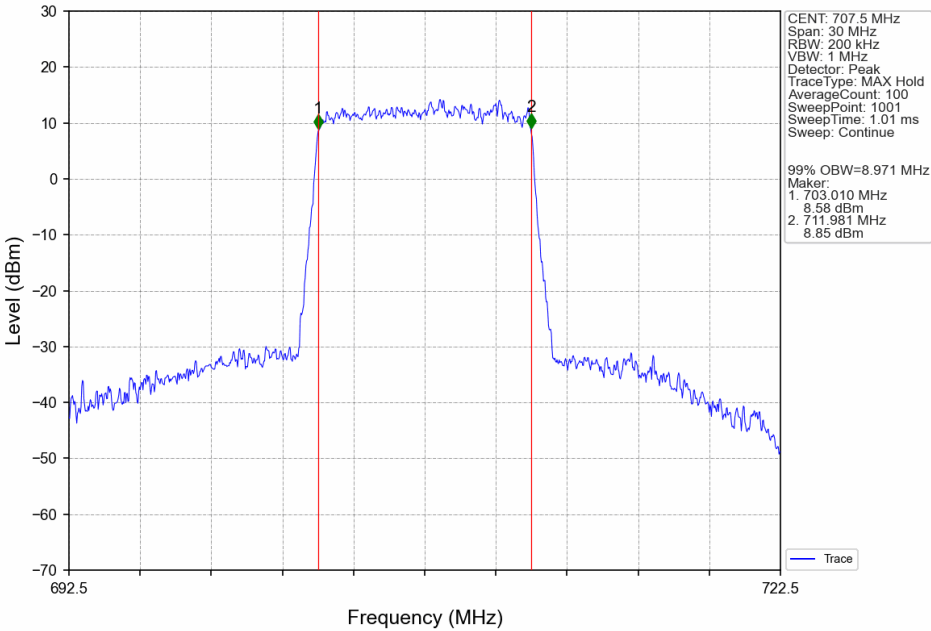
Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



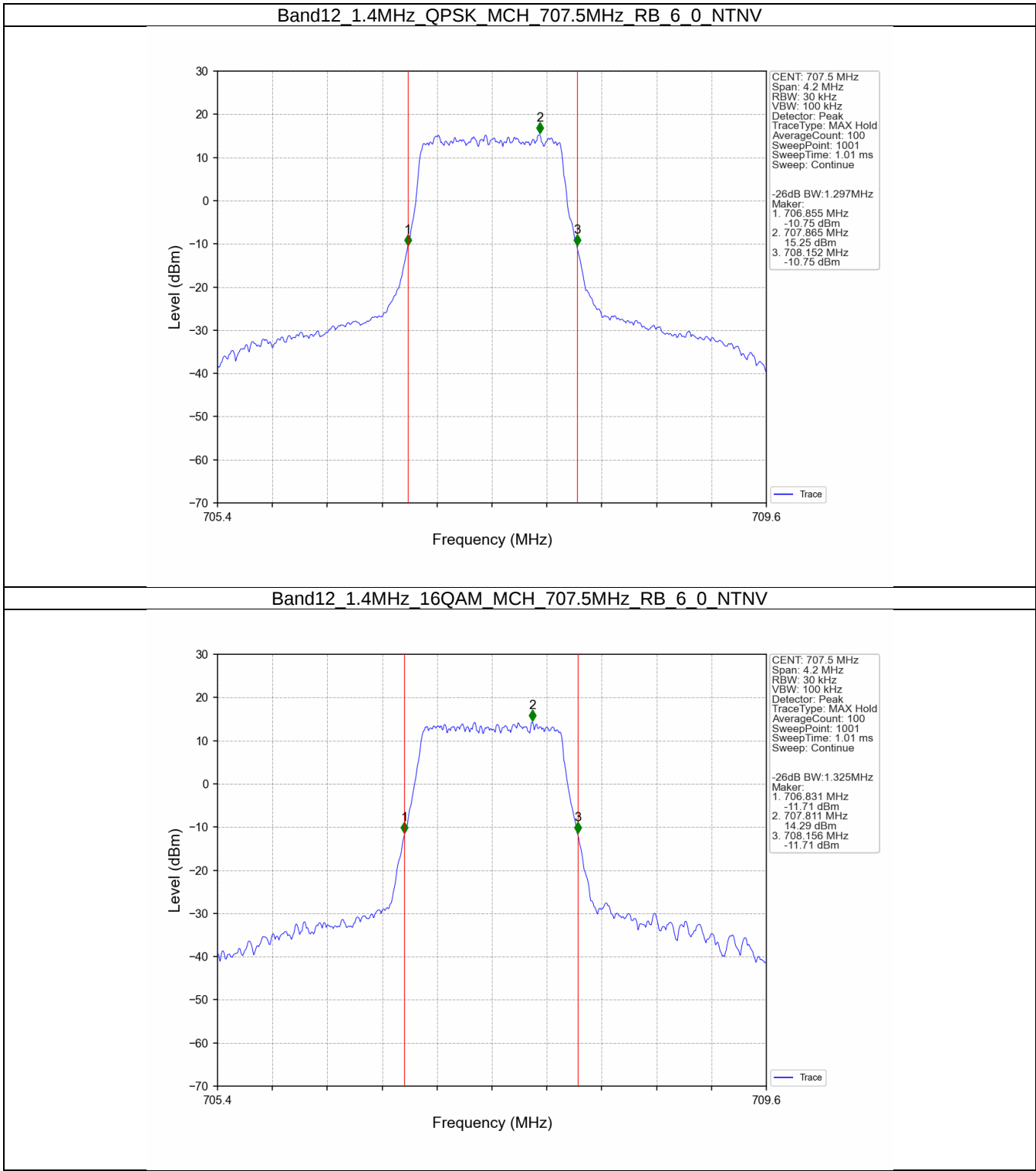
Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



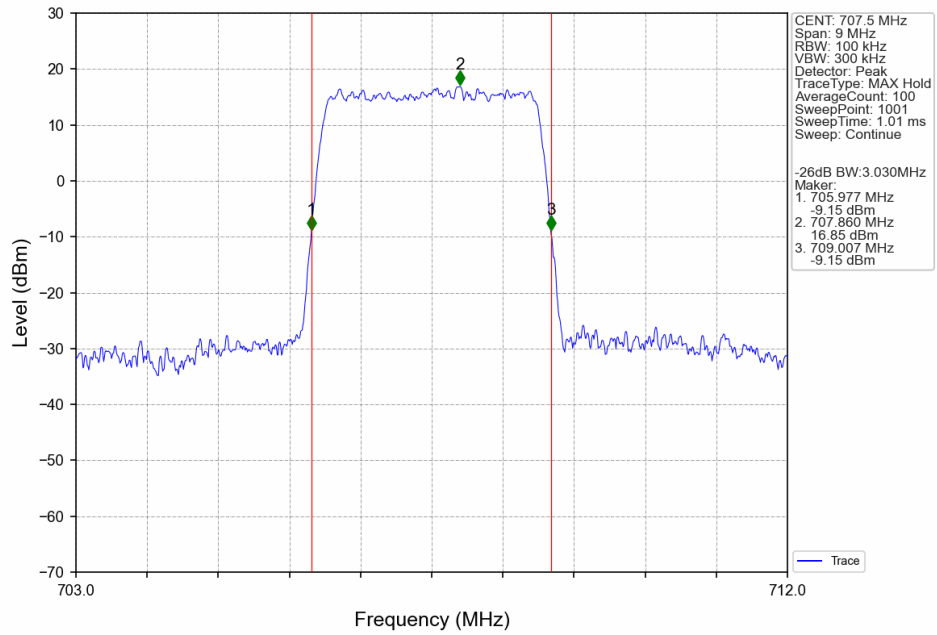
Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



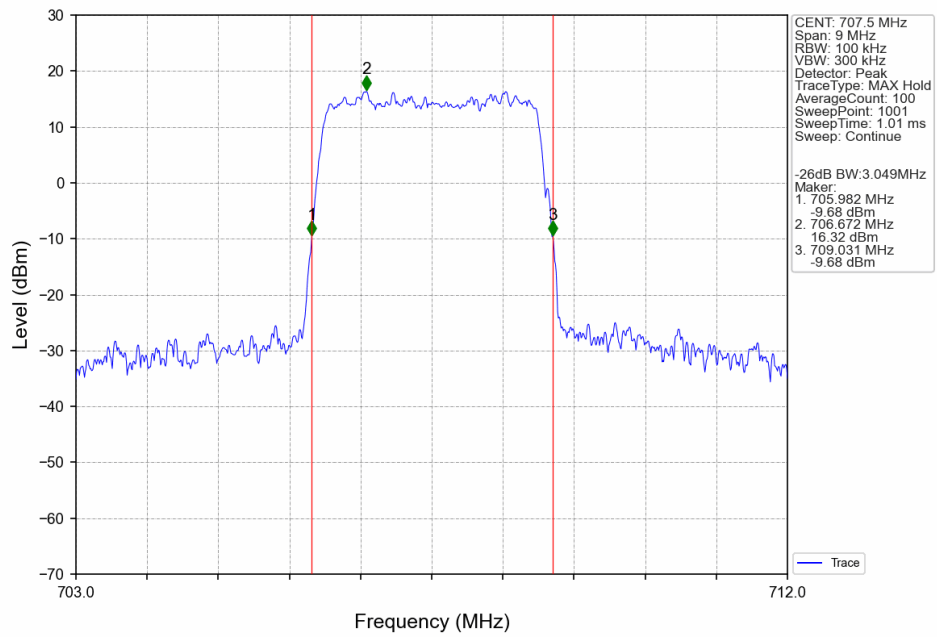
3.2.2 Band12\_XDB



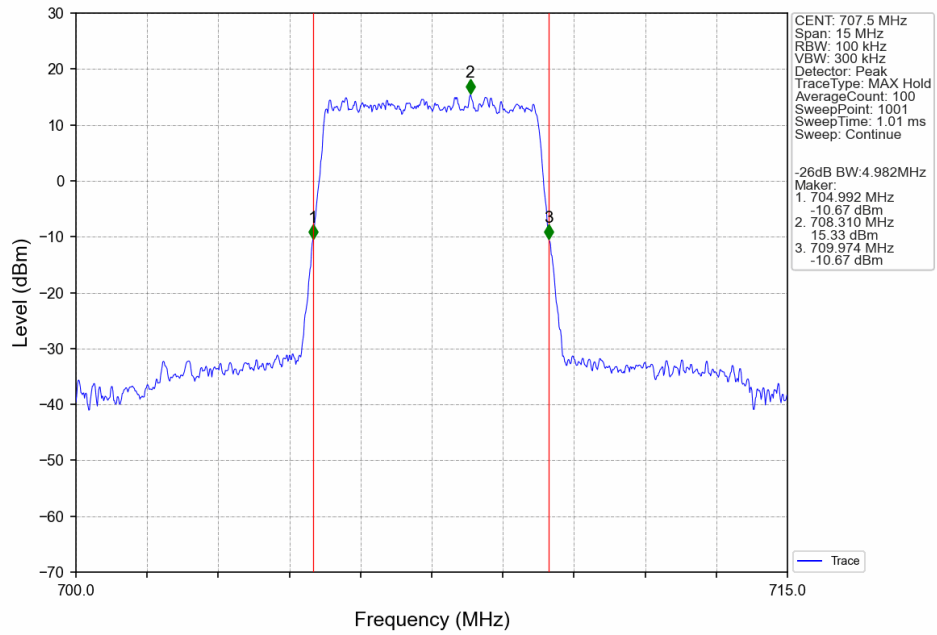
Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



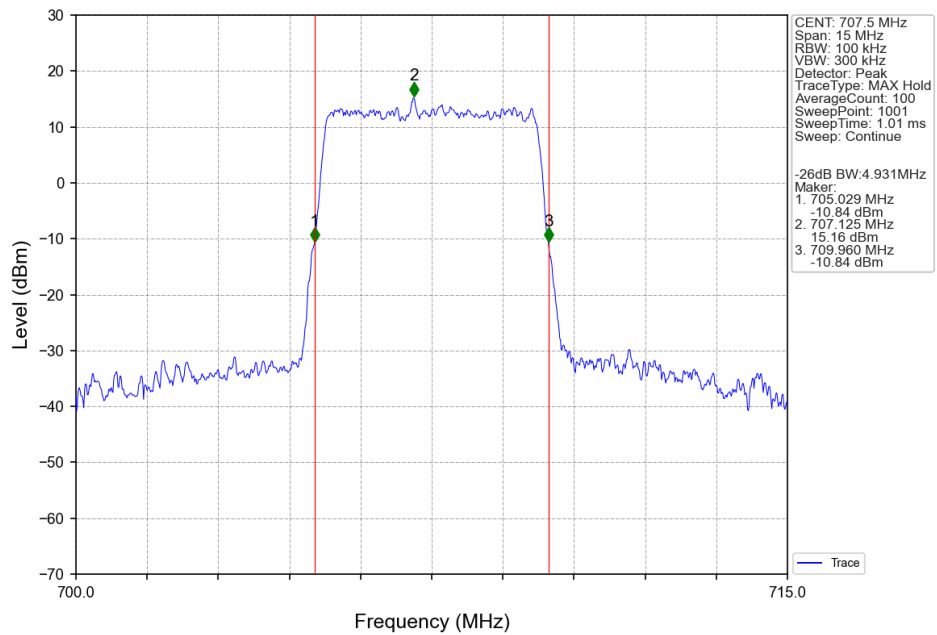
Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



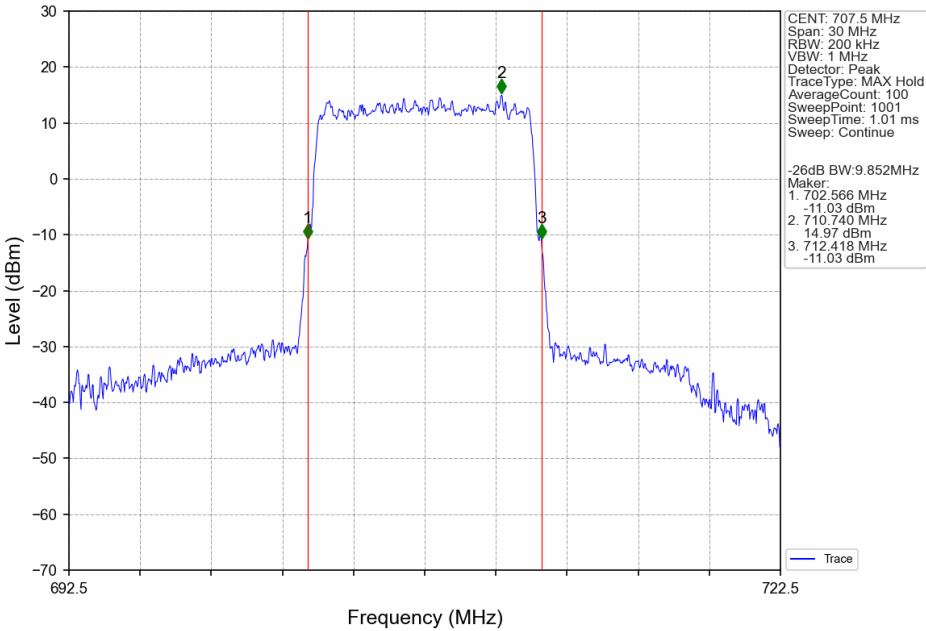
Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



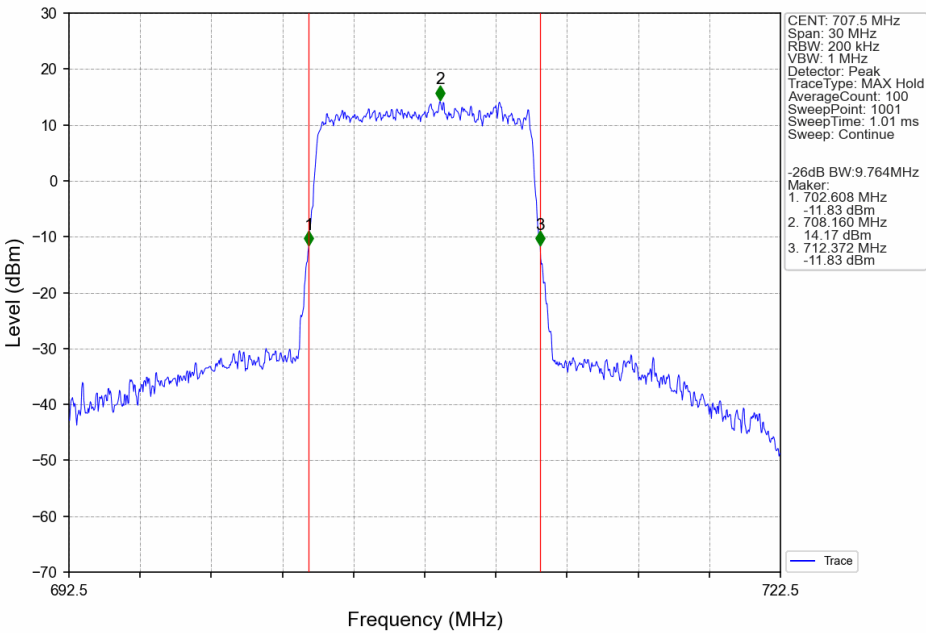
Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



## 4. Peak-Average Ratio

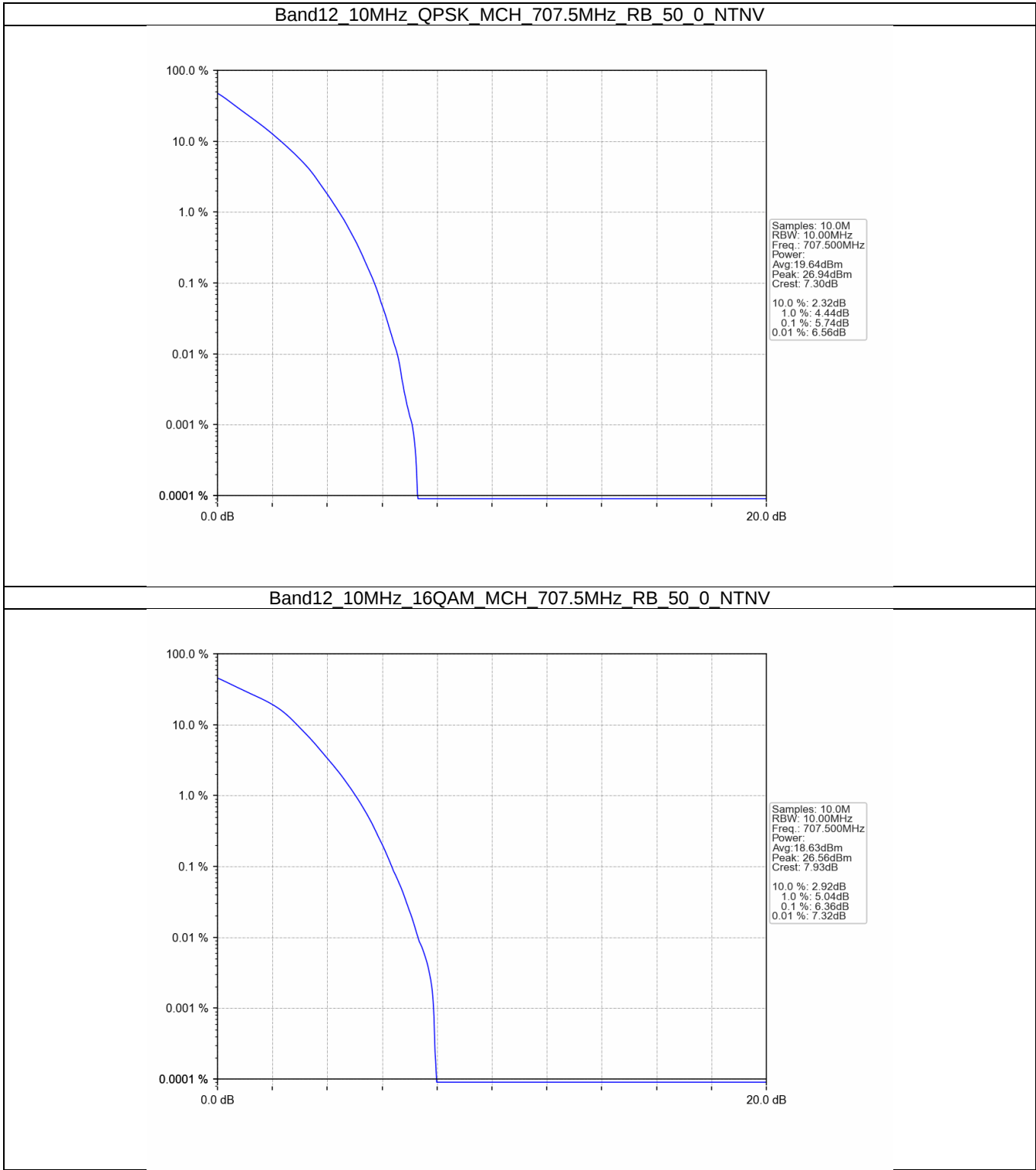
### 4.1 Test Result

#### 4.1.1 B12\_10MHz

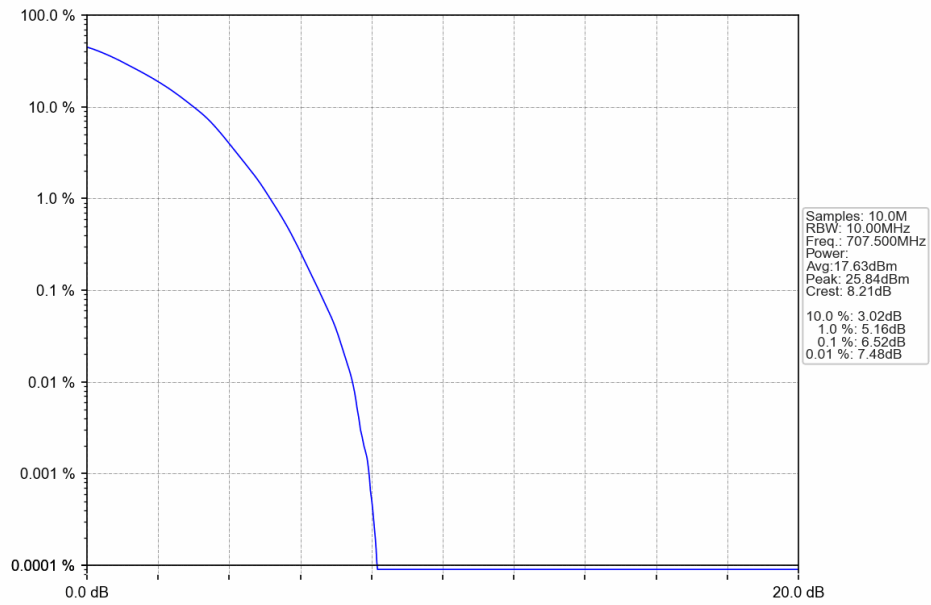
| Band: 12 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 707.5           | 50            | 0      | 5.74                    | <=13  | Pass    |
| 16QAM                              | 707.5           | 50            | 0      | 6.36                    | <=13  | Pass    |
| 64QAM                              | 707.5           | 50            | 0      | 6.52                    | <=13  | Pass    |

4.2 Test Graph

4.2.1 B12\_10MHz



Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B12\_1.4MHz

| Band: 12 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |         |
|-------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                     |                 | Size          | Offset | Result              | Limit |         |
| QPSK                                | 699.7           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
|                                     | 707.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     | 715.3           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     |                 |               | 5      | Refer To Test Graph |       | Pass    |
|                                     |                 | 6             | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B12\_3MHz

| Band: 12 / Bandwidth: 3MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 700.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 707.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 714.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 B12\_5MHz

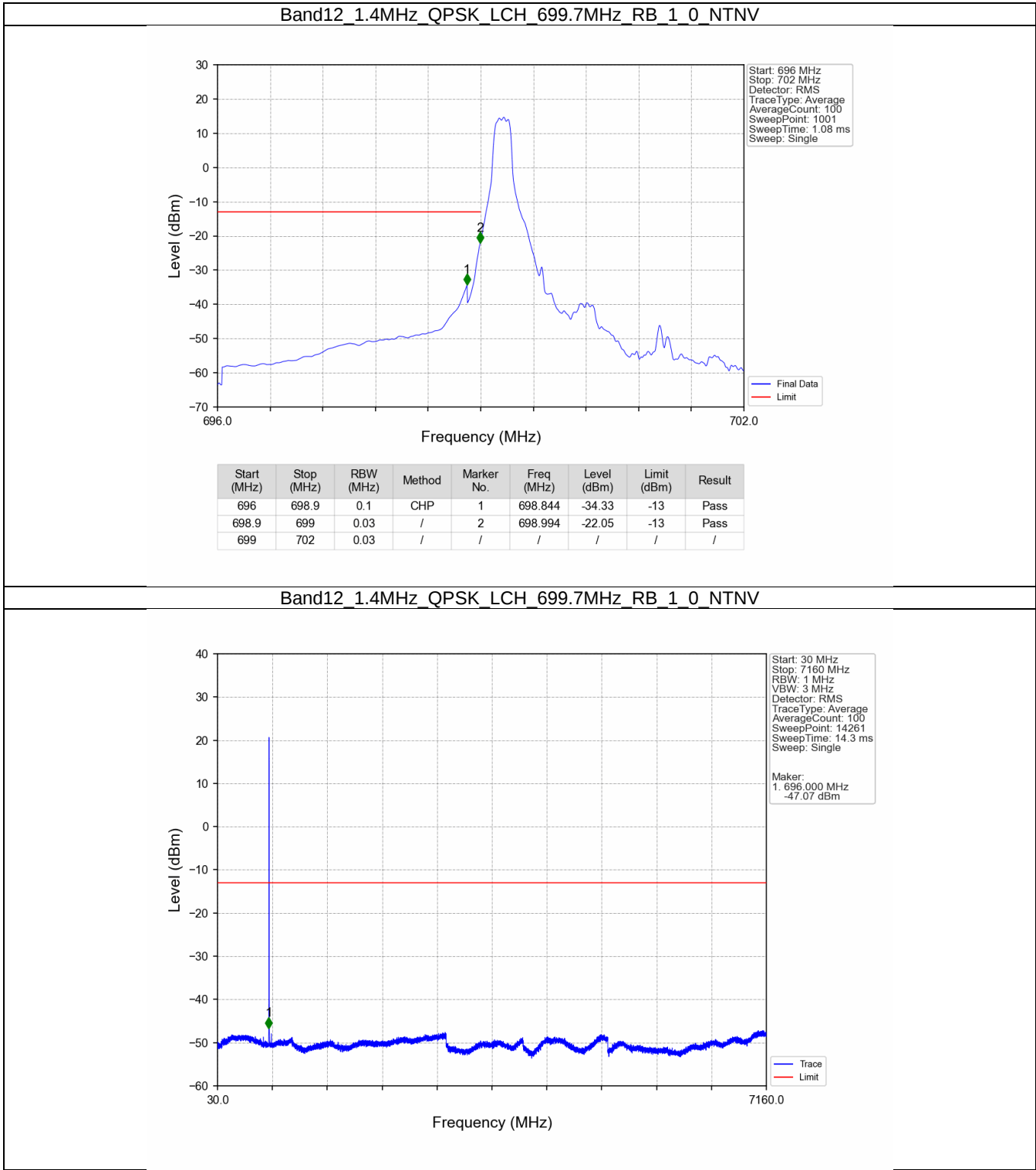
| Band: 12 / Bandwidth: 5MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 701.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 707.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 713.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.4 B12\_10MHz

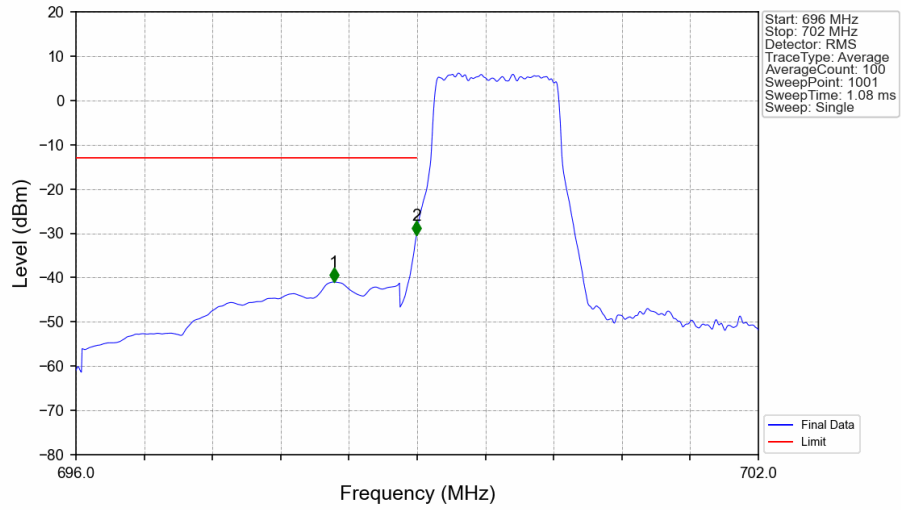
| Band: 12 / Bandwidth: 10MHz / NTVN |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 704             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 707.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 711             | 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 B12\_1.4MHz

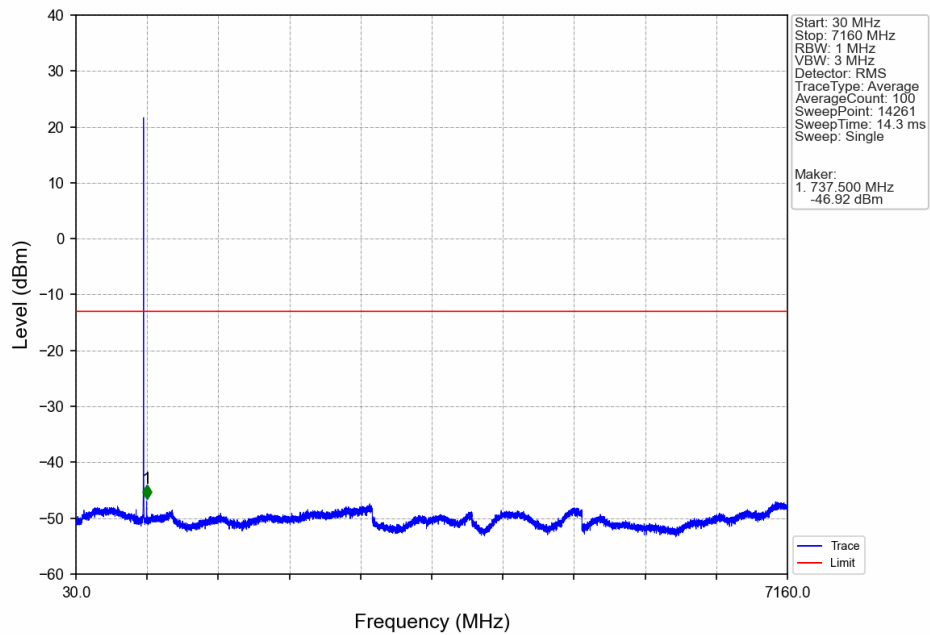


# Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

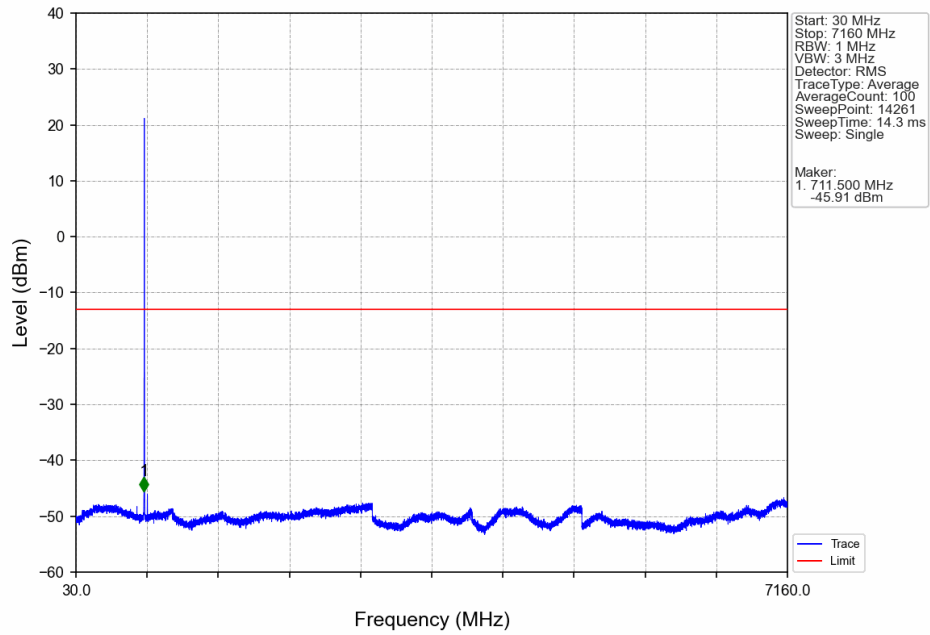


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 696         | 698.9      | 0.1       | CHP    | 1          | 698.268    | -41.00      | -13         | Pass   |
| 698.9       | 699        | 0.03      | /      | 2          | 698.994    | -30.37      | -13         | Pass   |
| 699         | 702        | 0.03      | /      | /          | /          | /           | /           | /      |

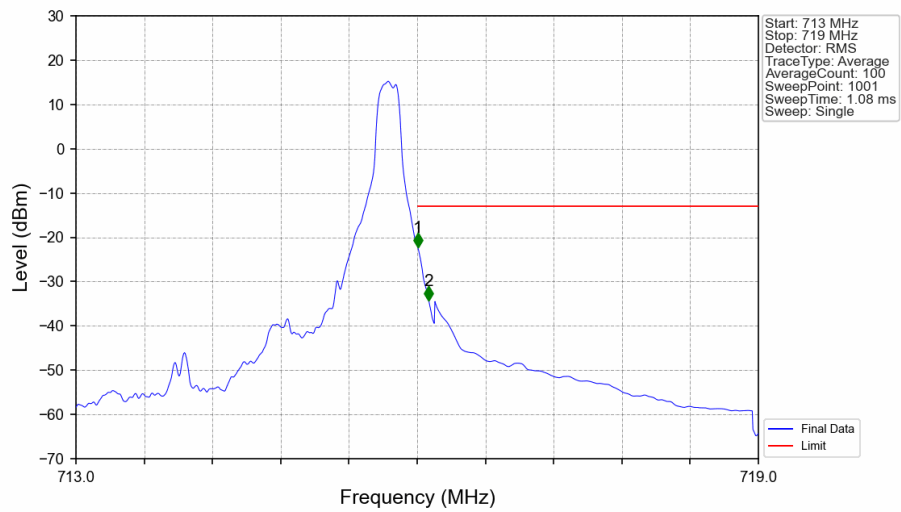
# Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



# Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_1\_0\_NTNV

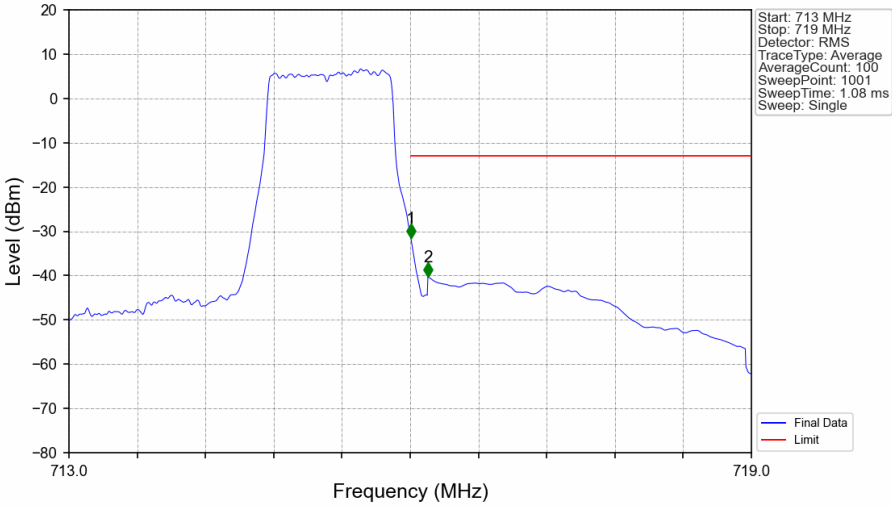


# Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_1\_5\_NTNV



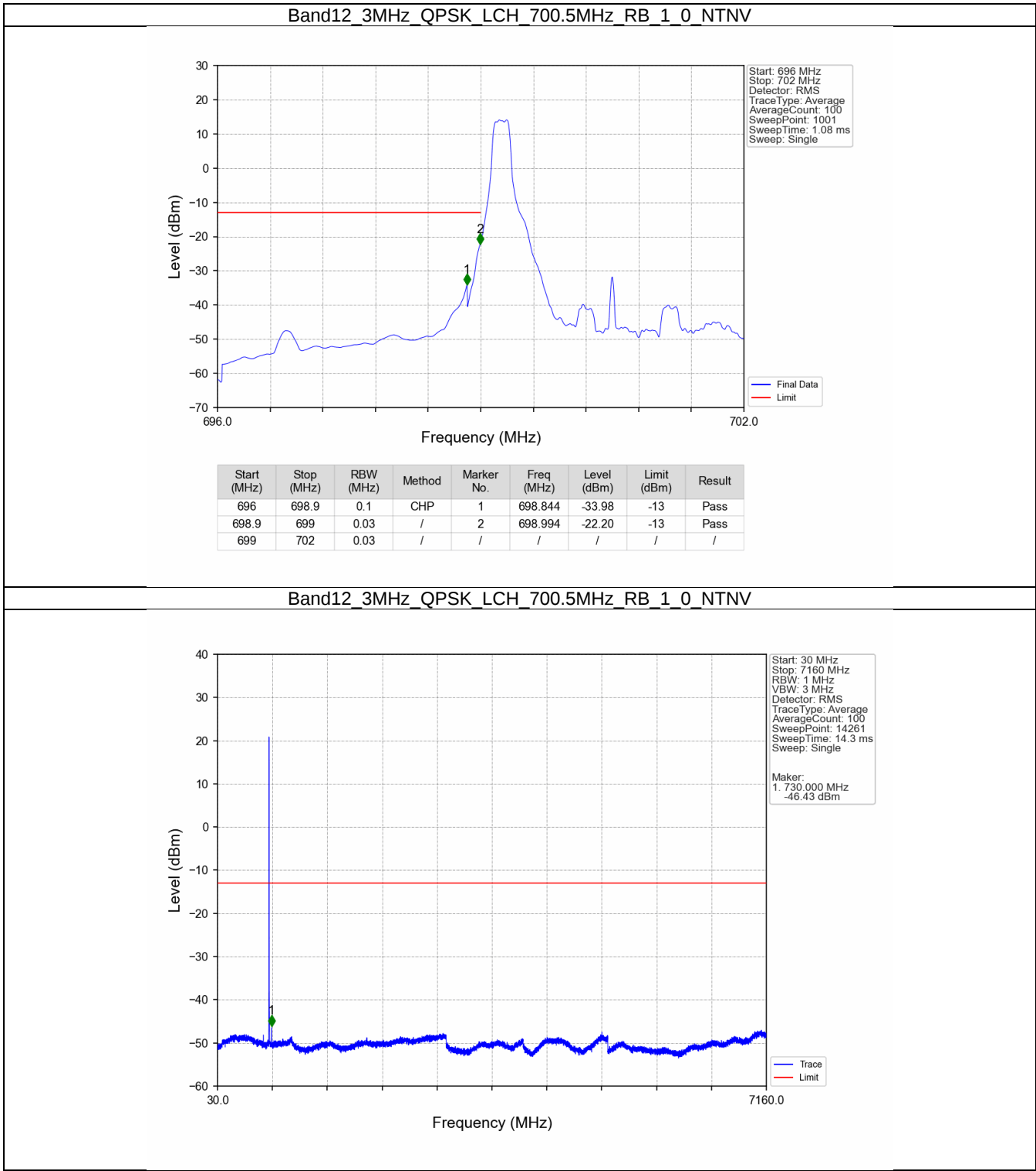
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 713         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.006    | -22.26      | -13         | Pass   |
| 716.1       | 719        | 0.1       | CHP    | 2          | 716.102    | -34.33      | -13         | Pass   |

Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

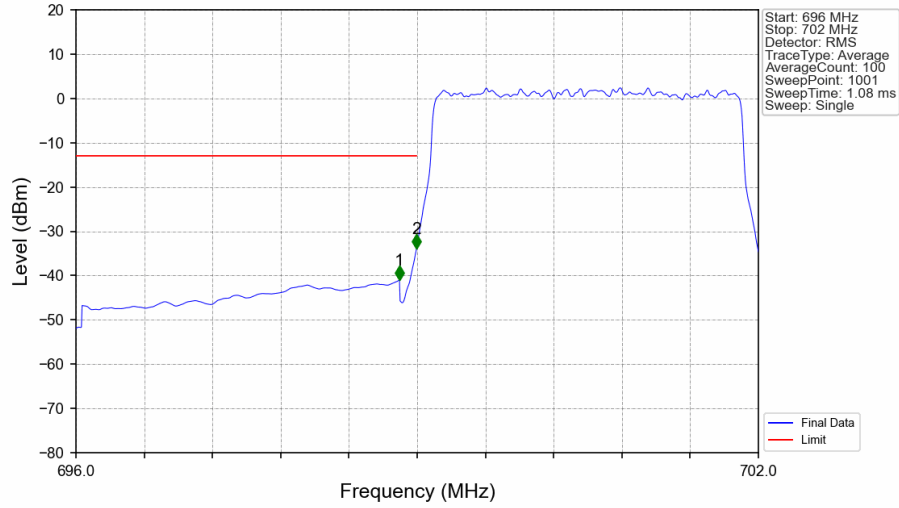


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 713         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.006    | -31.52      | -13         | Pass   |
| 716.1       | 719        | 0.1       | CHP    | 2          | 716.156    | -40.25      | -13         | Pass   |

5.2.2 B12\_3MHz

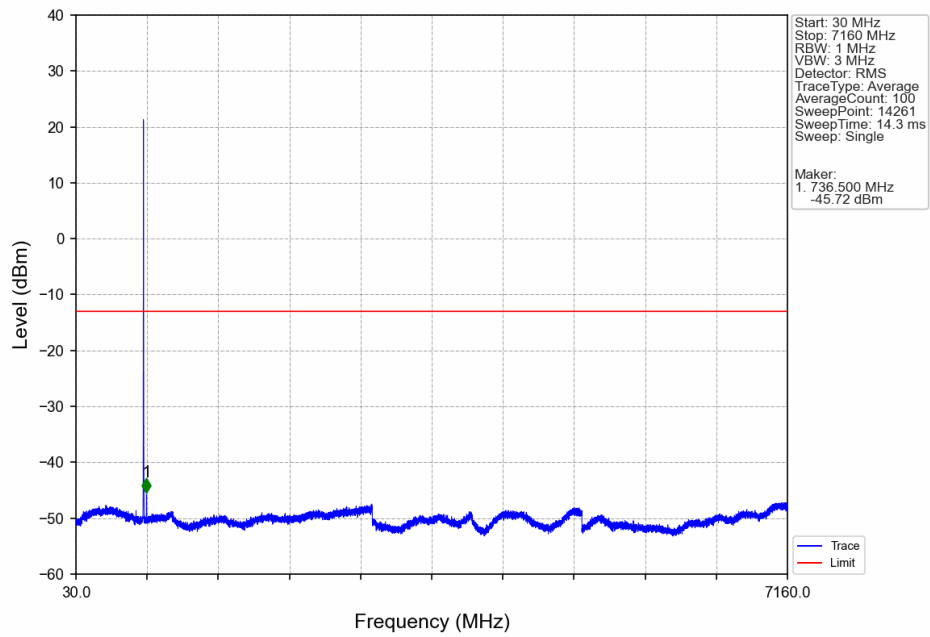


### Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

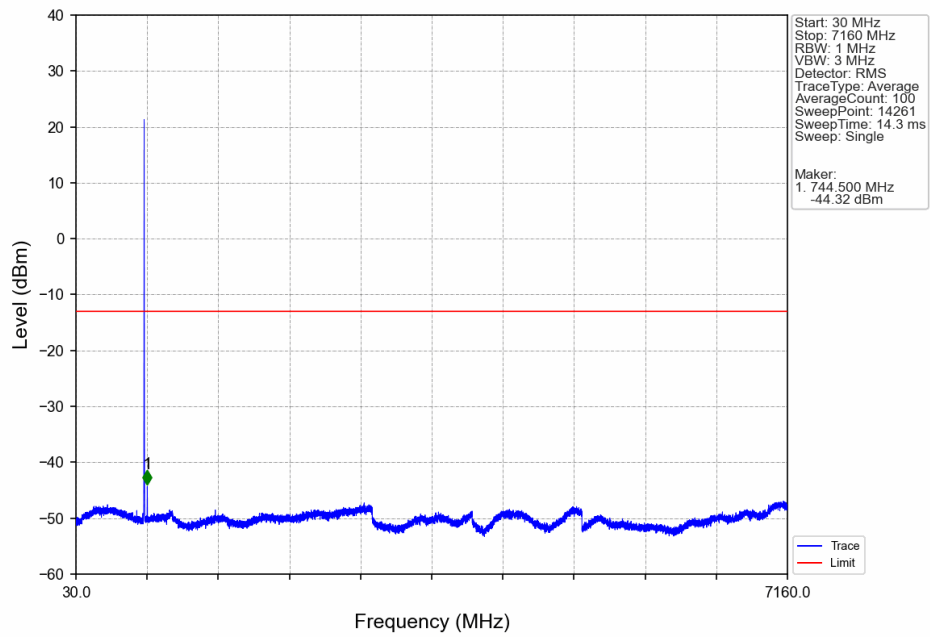


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 696         | 698.9      | 0.1       | CHP    | 1          | 698.844    | -40.95      | -13         | Pass   |
| 698.9       | 699        | 0.03      | /      | 2          | 698.994    | -33.93      | -13         | Pass   |
| 699         | 702        | 0.03      | /      | /          | /          | /           | /           | /      |

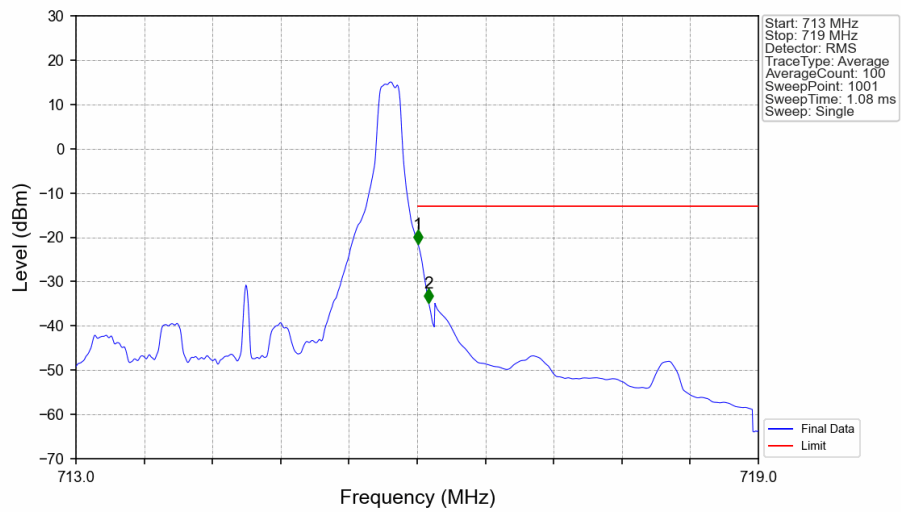
### Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_1\_0\_NTNV

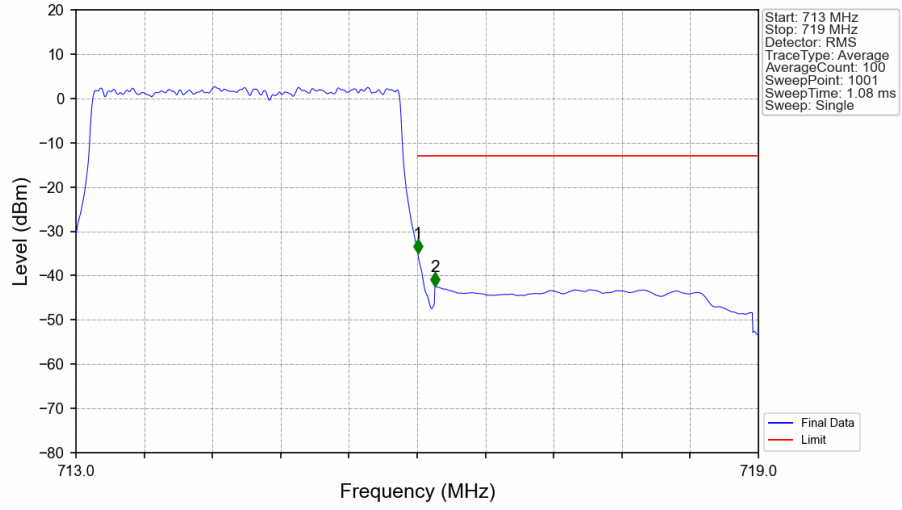


Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_1\_14\_NTNV



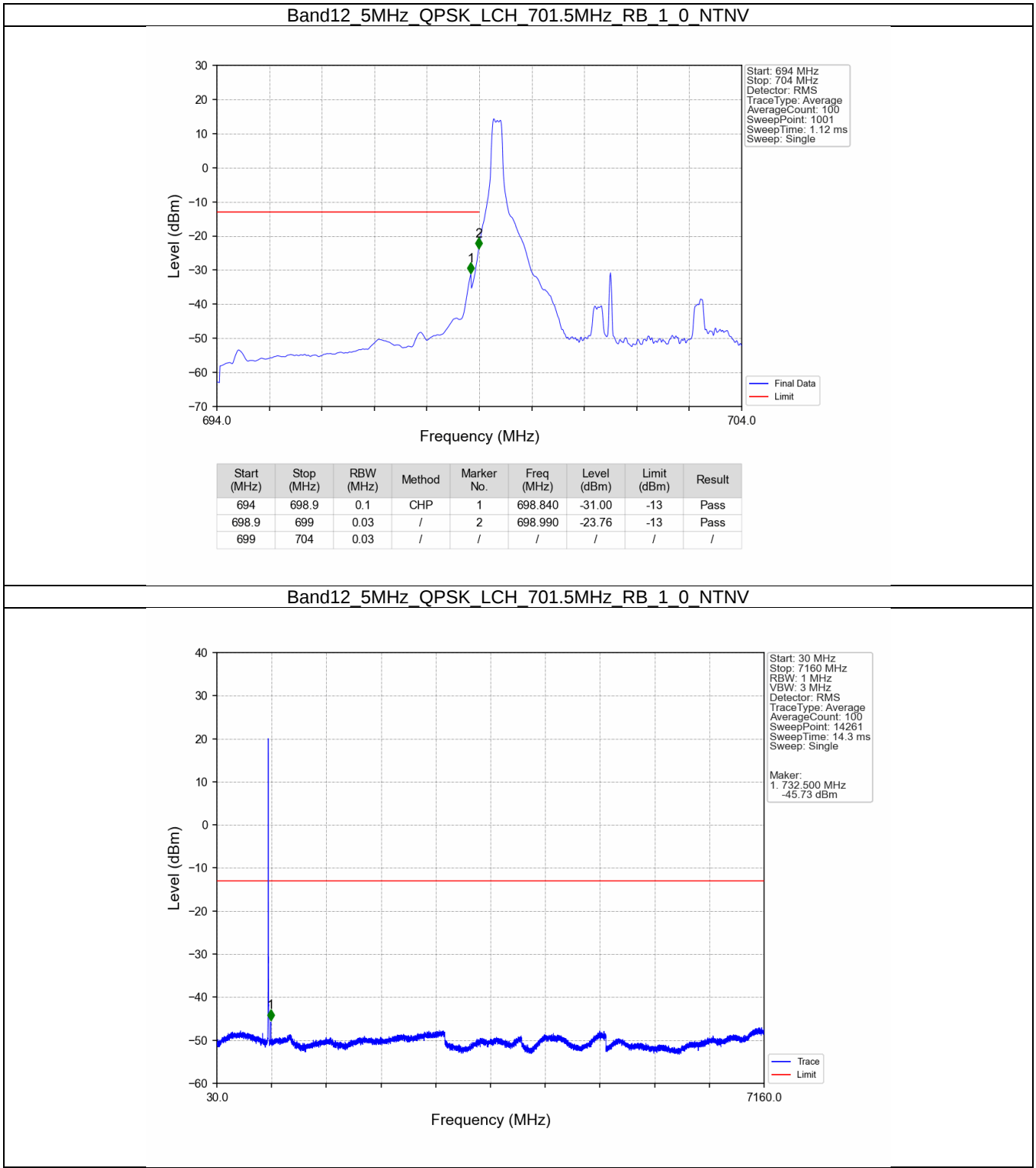
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 713         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.006    | -21.44      | -13         | Pass   |
| 716.1       | 719        | 0.1       | CHP    | 2          | 716.102    | -34.82      | -13         | Pass   |

# Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

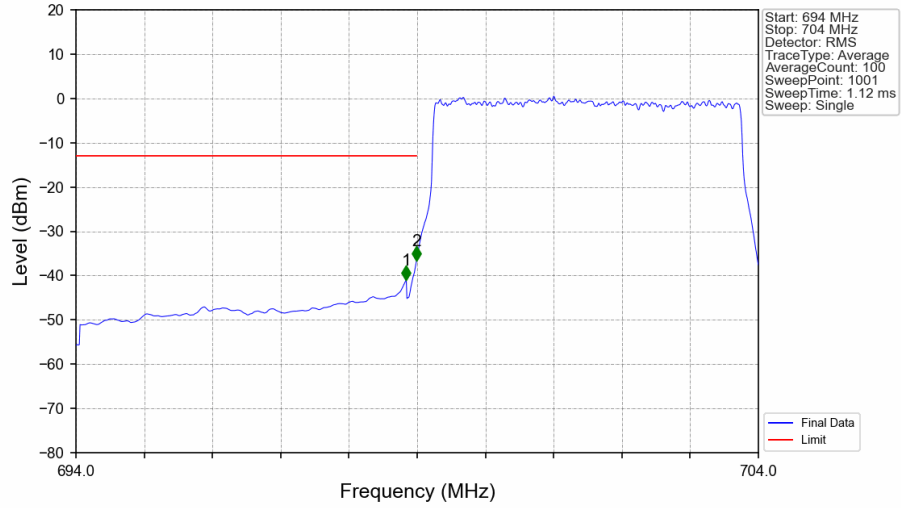


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 713         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.006    | -35.01      | -13         | Pass   |
| 716.1       | 719        | 0.1       | CHP    | 2          | 716.156    | -42.45      | -13         | Pass   |

5.2.3 B12\_5MHz

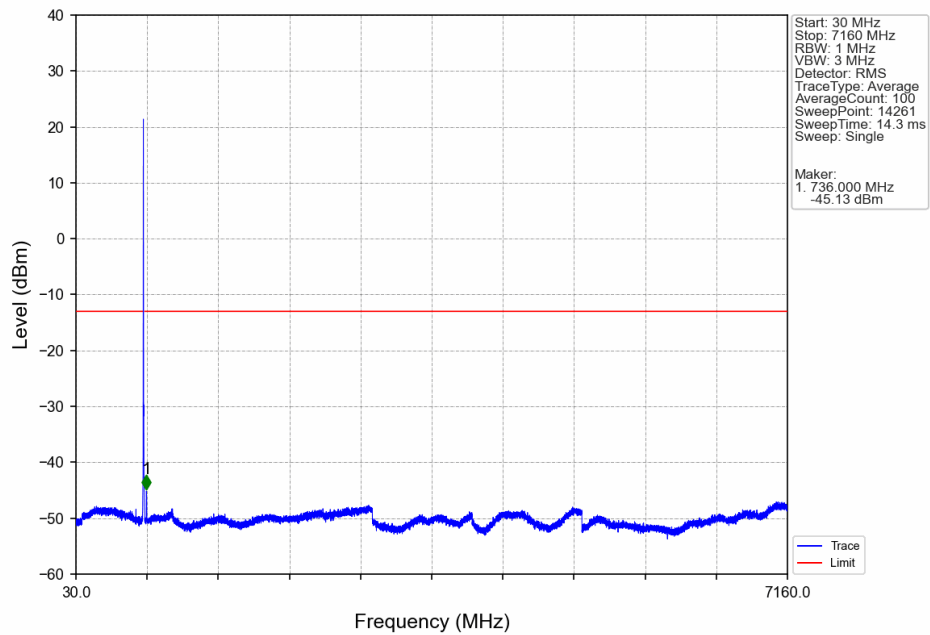


# Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

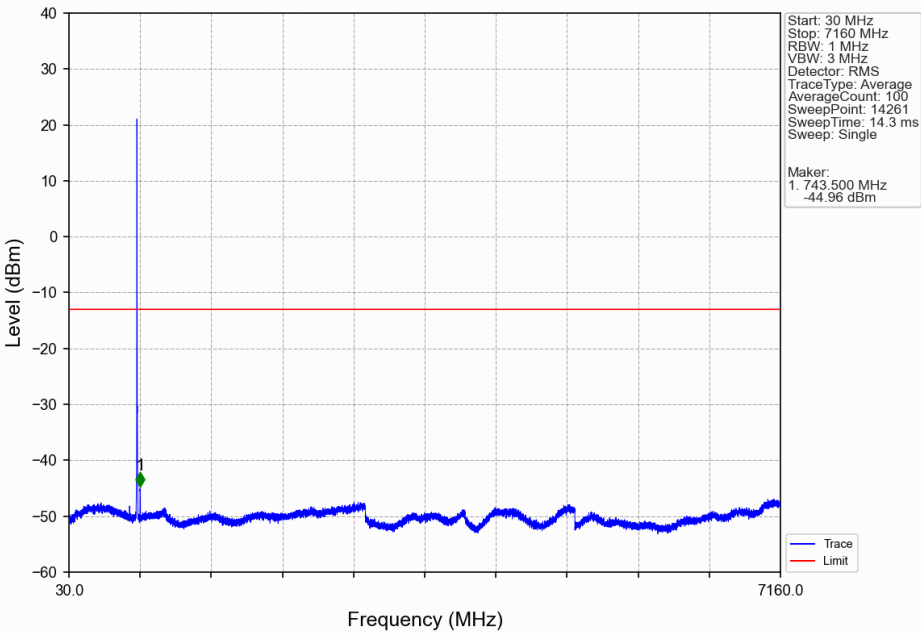


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 694         | 698.9      | 0.1       | CHP    | 1          | 698.840    | -40.93      | -13         | Pass   |
| 698.9       | 699        | 0.03      | /      | 2          | 698.990    | -36.64      | -13         | Pass   |
| 699         | 704        | 0.03      | /      | /          | /          | /           | /           | /      |

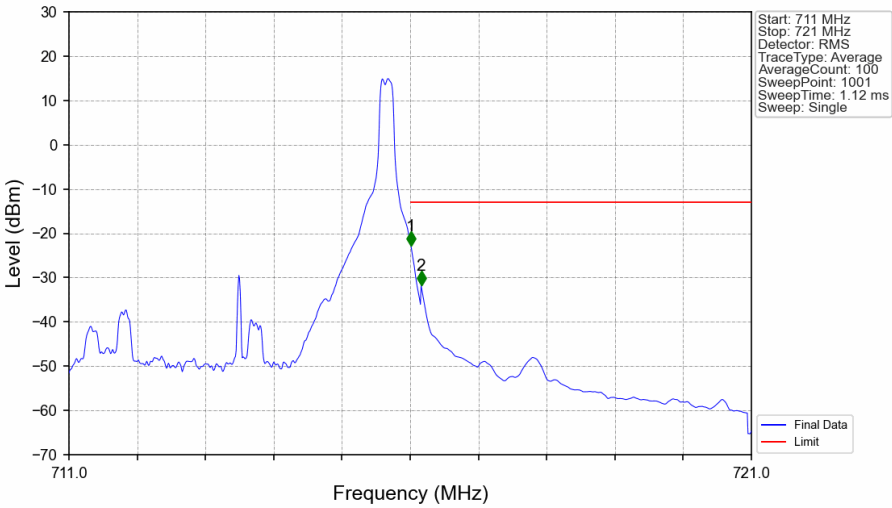
# Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

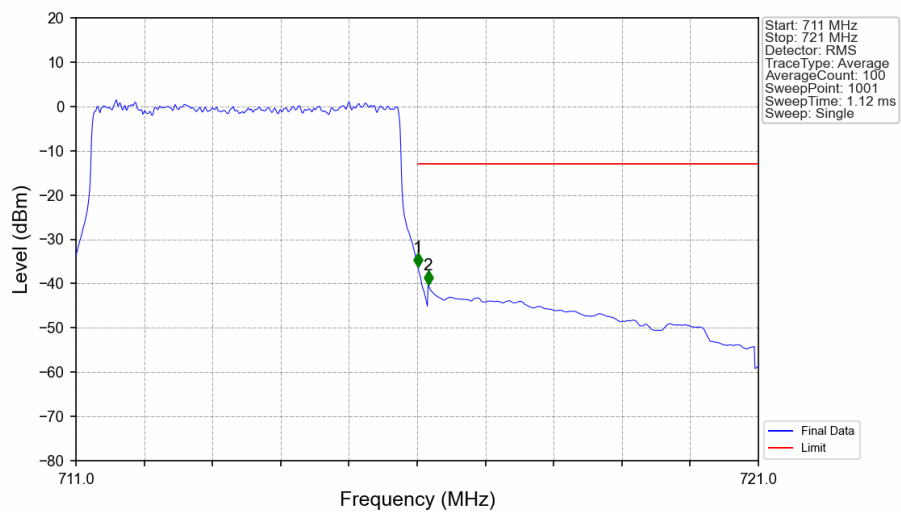


Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



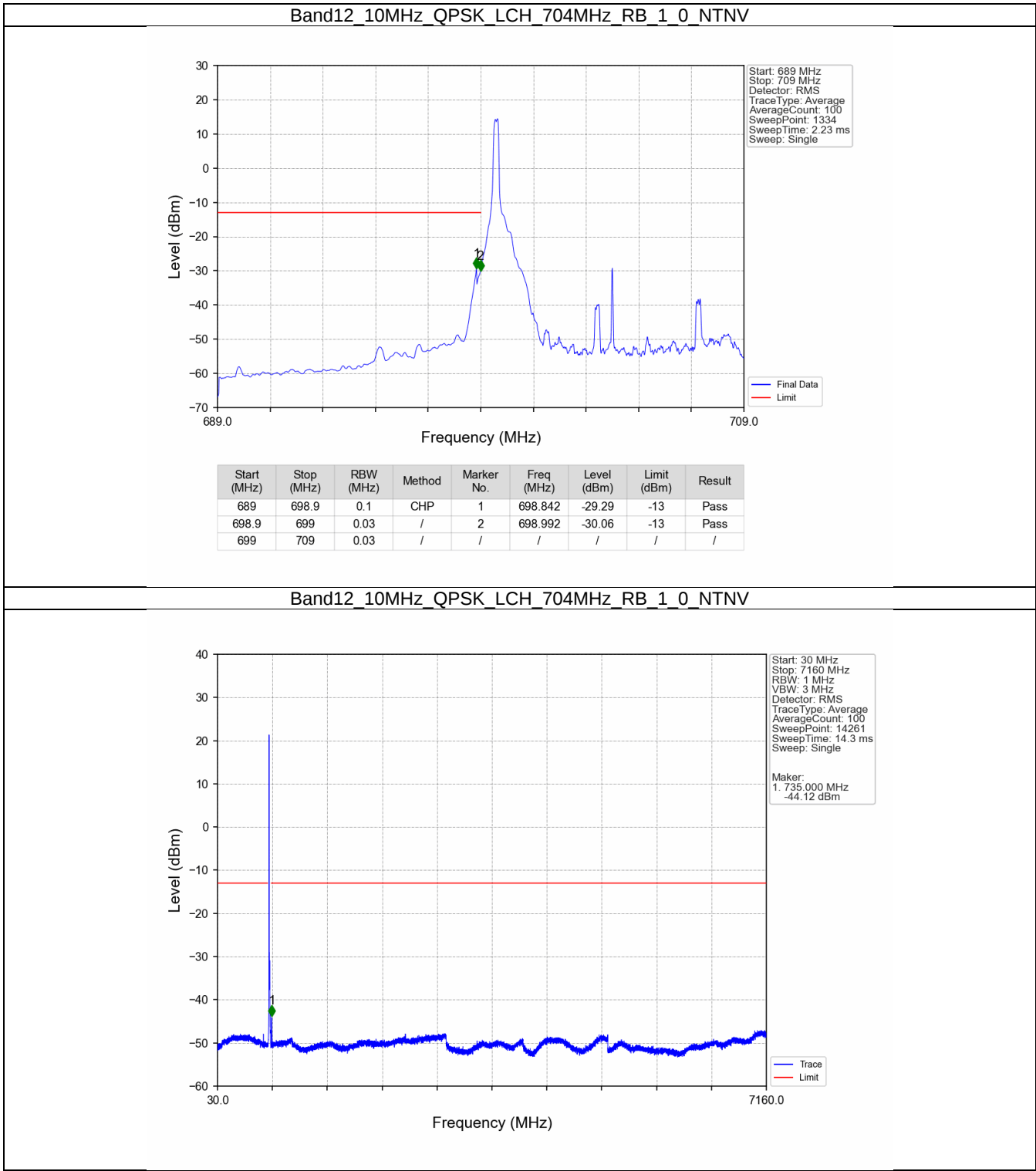
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 711         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.010    | -22.73      | -13         | Pass   |
| 716.1       | 721        | 0.1       | CHP    | 2          | 716.160    | -31.78      | -13         | Pass   |

Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

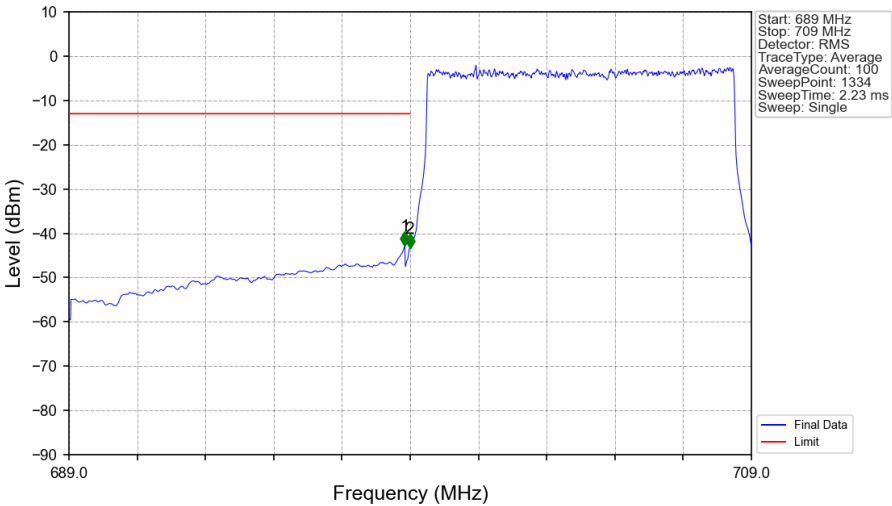


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 711         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.010    | -36.26      | -13         | Pass   |
| 716.1       | 721        | 0.1       | CHP    | 2          | 716.160    | -40.26      | -13         | Pass   |

5.2.4 B12\_10MHz

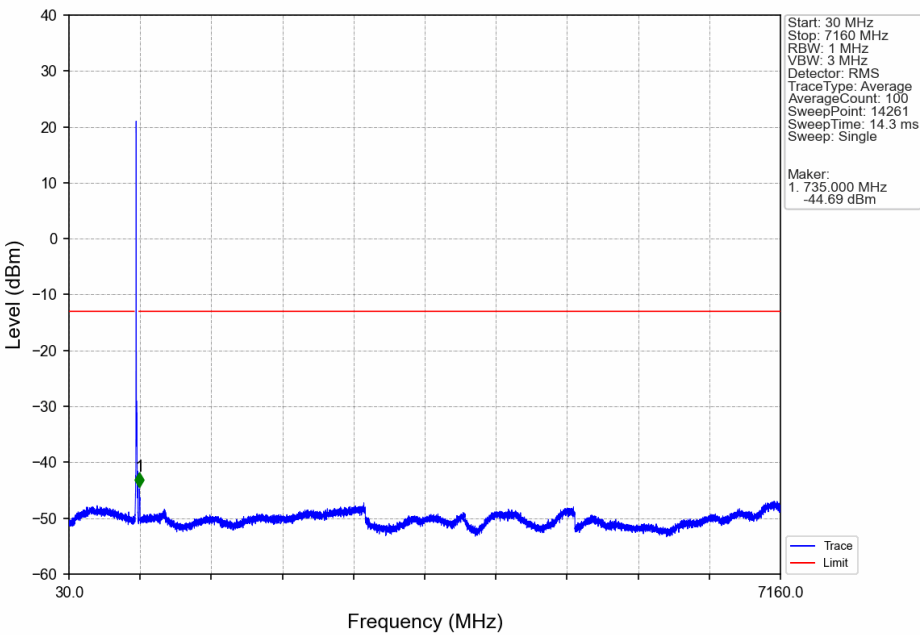


Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV

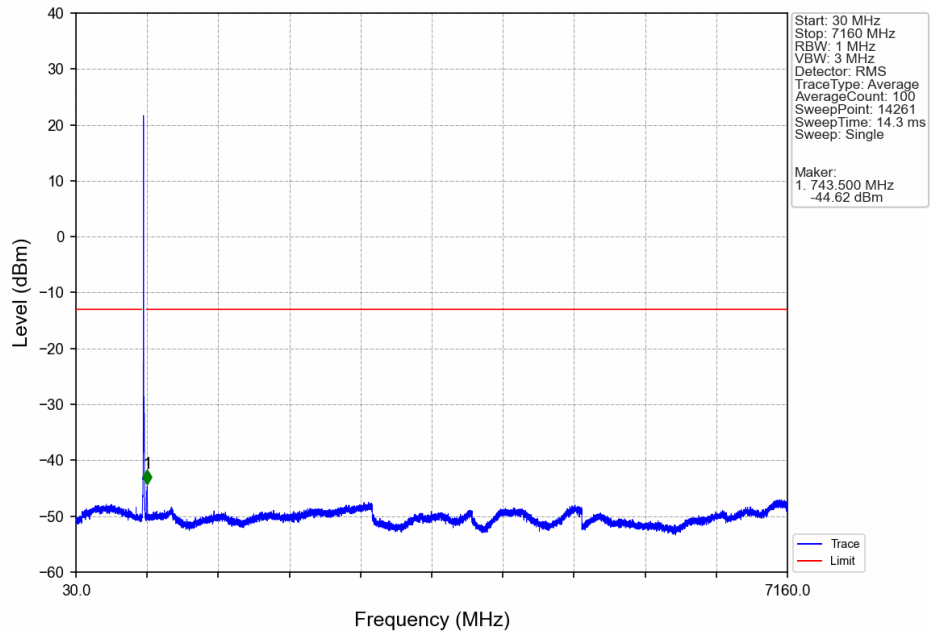


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 689         | 698.9      | 0.1       | CHP    | 1          | 698.842    | -42.71      | -13         | Pass   |
| 698.9       | 699        | 0.03      | /      | 2          | 698.992    | -43.36      | -13         | Pass   |
| 699         | 709        | 0.03      | /      | /          | /          | /           | /           | /      |

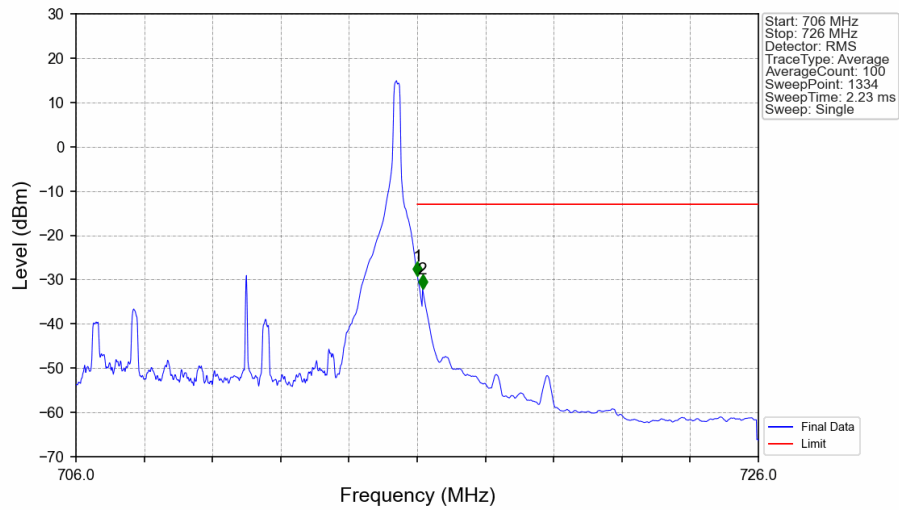
Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



# Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV

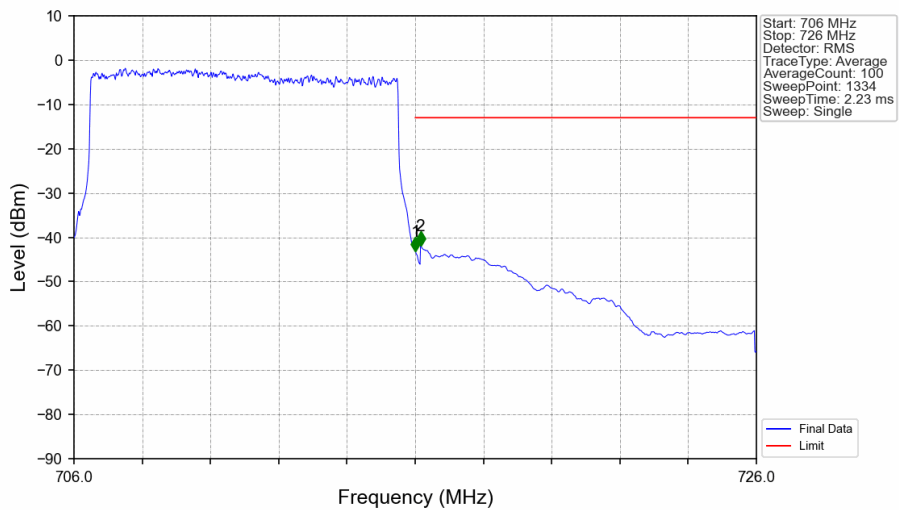


# Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_49\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 706         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.008    | -29.22      | -13         | Pass   |
| 716.1       | 726        | 0.1       | CHP    | 2          | 716.158    | -32.07      | -13         | Pass   |

Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 706         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.008    | -43.07      | -13         | Pass   |
| 716.1       | 726        | 0.1       | CHP    | 2          | 716.158    | -41.81      | -13         | Pass   |

## 6. Field Strength of Spurious Radiation

Test Band = LTE Band 12\_ TM1

Test Channel = Low

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1399.18         | 47.41          | -50.01      | 24.10    | -73.76      | -13.00      | 60.76       | Horizontal |
| 2               | 2098.77         | 47.79          | -49.46      | 26.48    | -70.45      | -13.00      | 57.45       | Horizontal |
| 3               | 2798.36         | 48.66          | -48.68      | 27.74    | -67.55      | -13.00      | 54.55       | Horizontal |
| 4               | 3497.95         | 47.85          | -48.44      | 28.50    | -67.35      | -13.00      | 54.35       | Horizontal |
| 5               | 4197.54         | 48.40          | -48.36      | 29.62    | -65.60      | -13.00      | 52.60       | Horizontal |
| 6               | 4897.13         | 49.00          | -48.17      | 30.97    | -63.45      | -13.00      | 50.45       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1399.18         | 48.57          | -50.01      | 24.10    | -72.60      | -13.00      | 59.60       | Vertical |
| 2               | 2098.77         | 48.86          | -49.46      | 26.48    | -69.38      | -13.00      | 56.38       | Vertical |
| 3               | 2798.36         | 48.74          | -48.68      | 27.74    | -67.47      | -13.00      | 54.47       | Vertical |
| 4               | 3497.95         | 47.82          | -48.44      | 28.50    | -67.38      | -13.00      | 54.38       | Vertical |
| 5               | 4197.54         | 47.41          | -48.36      | 29.62    | -66.59      | -13.00      | 53.59       | Vertical |
| 6               | 4897.13         | 48.97          | -48.17      | 30.97    | -63.48      | -13.00      | 50.48       | Vertical |

**Test Band = LTE Band 12\_ TM1**  
**Test Channel = Mid**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1406.18         | 48.88          | -50.00      | 24.15    | -72.23      | -13.00      | 59.23       | Horizontal |
| 2               | 2109.27         | 47.97          | -49.46      | 26.50    | -70.26      | -13.00      | 57.26       | Horizontal |
| 3               | 2812.36         | 48.70          | -48.69      | 27.76    | -67.49      | -13.00      | 54.49       | Horizontal |
| 4               | 3515.45         | 47.60          | -48.44      | 28.52    | -67.57      | -13.00      | 54.57       | Horizontal |
| 5               | 4218.54         | 47.79          | -48.30      | 29.65    | -66.12      | -13.00      | 53.12       | Horizontal |
| 6               | 4921.63         | 48.46          | -48.12      | 31.03    | -63.90      | -13.00      | 50.90       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1406.18         | 47.87          | -50.00      | 24.15    | -73.24      | -13.00      | 60.24       | Vertical |
| 2               | 2109.27         | 48.17          | -49.46      | 26.50    | -70.06      | -13.00      | 57.06       | Vertical |
| 3               | 2812.36         | 48.69          | -48.69      | 27.76    | -67.50      | -13.00      | 54.50       | Vertical |
| 4               | 3515.45         | 48.12          | -48.44      | 28.52    | -67.05      | -13.00      | 54.05       | Vertical |
| 5               | 4218.54         | 48.14          | -48.30      | 29.65    | -65.77      | -13.00      | 52.77       | Vertical |
| 6               | 4921.63         | 48.95          | -48.12      | 31.03    | -63.41      | -13.00      | 50.41       | Vertical |

**Test Band = LTE Band 12\_ TM1**  
**Test Channel = High**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1413.18         | 49.08          | -49.99      | 24.19    | -71.97      | -13.00      | 58.97       | Horizontal |
| 2               | 2119.77         | 48.11          | -49.47      | 26.52    | -70.10      | -13.00      | 57.10       | Horizontal |
| 3               | 2826.36         | 48.27          | -48.71      | 27.79    | -67.91      | -13.00      | 54.91       | Horizontal |
| 4               | 3532.95         | 48.56          | -48.45      | 28.55    | -66.59      | -13.00      | 53.59       | Horizontal |
| 5               | 4239.54         | 48.02          | -48.23      | 29.68    | -65.78      | -13.00      | 52.78       | Horizontal |
| 6               | 4946.13         | 49.36          | -48.07      | 31.08    | -62.89      | -13.00      | 49.89       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1413.18         | 48.02          | -49.99      | 24.19    | -73.03      | -13.00      | 60.03       | Vertical |
| 2               | 2119.77         | 48.17          | -49.47      | 26.52    | -70.04      | -13.00      | 57.04       | Vertical |
| 3               | 2826.36         | 48.94          | -48.71      | 27.79    | -67.24      | -13.00      | 54.24       | Vertical |
| 4               | 3532.95         | 47.95          | -48.45      | 28.55    | -67.20      | -13.00      | 54.20       | Vertical |
| 5               | 4239.54         | 47.81          | -48.23      | 29.68    | -65.99      | -13.00      | 52.99       | Vertical |
| 6               | 4946.13         | 48.76          | -48.07      | 31.08    | -63.49      | -13.00      | 50.49       | Vertical |