

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

### 1.1 Test Result

#### 1.1.1 B4\_1.4MHz\_EIRP

| Band: 4 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |            |       |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                               | 1710.7          | 1             | 0      | 22.31                 | 3.00       | 25.31      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.20                 | 3.00       | 25.20      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.16                 | 3.00       | 25.16      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.14                 | 3.00       | 25.14      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.13                 | 3.00       | 25.13      | <=30  | Pass    |
|                                    |                 |               | 3      | 22.11                 | 3.00       | 25.11      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 21.22                 | 3.00       | 24.22      | <=30  | Pass    |
|                                    | 1732.5          | 1             | 0      | 22.40                 | 3.00       | 25.40      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.51                 | 3.00       | 25.51      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.38                 | 3.00       | 25.38      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.39                 | 3.00       | 25.39      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.47                 | 3.00       | 25.47      | <=30  | Pass    |
|                                    |                 |               | 3      | 22.45                 | 3.00       | 25.45      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 21.54                 | 3.00       | 24.54      | <=30  | Pass    |
|                                    | 1754.3          | 1             | 0      | 22.40                 | 3.00       | 25.40      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.64                 | 3.00       | 25.64      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.60                 | 3.00       | 25.60      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.81                 | 3.00       | 25.81      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.64                 | 3.00       | 25.64      | <=30  | Pass    |
|                                    |                 |               | 3      | 22.58                 | 3.00       | 25.58      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 21.91                 | 3.00       | 24.91      | <=30  | Pass    |
| 16QAM                              | 1710.7          | 1             | 0      | 21.36                 | 3.00       | 24.36      | <=30  | Pass    |
|                                    |                 |               | 2      | 21.11                 | 3.00       | 24.11      | <=30  | Pass    |
|                                    |                 |               | 5      | 21.37                 | 3.00       | 24.37      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 21.25                 | 3.00       | 24.25      | <=30  | Pass    |
|                                    |                 |               | 2      | 21.18                 | 3.00       | 24.18      | <=30  | Pass    |
|                                    |                 |               | 3      | 21.17                 | 3.00       | 24.17      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 20.24                 | 3.00       | 23.24      | <=30  | Pass    |
|                                    | 1732.5          | 1             | 0      | 21.13                 | 3.00       | 24.13      | <=30  | Pass    |
|                                    |                 |               | 2      | 21.64                 | 3.00       | 24.64      | <=30  | Pass    |
|                                    |                 |               | 5      | 21.70                 | 3.00       | 24.70      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |
|                                    |                 |               | 2      | 21.33                 | 3.00       | 24.33      | <=30  | Pass    |
|                                    |                 |               | 3      | 21.22                 | 3.00       | 24.22      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 20.25                 | 3.00       | 23.25      | <=30  | Pass    |
|                                    | 1754.3          | 1             | 0      | 21.49                 | 3.00       | 24.49      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.08                 | 3.00       | 25.08      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.02                 | 3.00       | 25.02      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 21.51                 | 3.00       | 24.51      | <=30  | Pass    |
|                                    |                 |               | 2      | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                    |                 |               | 3      | 21.91                 | 3.00       | 24.91      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 20.88                 | 3.00       | 23.88      | <=30  | Pass    |
| 64QAM                              | 1710.7          | 1             | 0      | 20.59                 | 3.00       | 23.59      | <=30  | Pass    |
|                                    |                 |               | 2      | 20.47                 | 3.00       | 23.47      | <=30  | Pass    |
|                                    |                 |               | 5      | 20.77                 | 3.00       | 23.77      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 20.67                 | 3.00       | 23.67      | <=30  | Pass    |

|                                          |        |        |   |       |       |       |       |      |      |
|------------------------------------------|--------|--------|---|-------|-------|-------|-------|------|------|
|                                          | 1732.5 | 6      | 2 | 20.39 | 3.00  | 23.39 | <=30  | Pass |      |
|                                          |        |        | 3 | 20.37 | 3.00  | 23.37 | <=30  | Pass |      |
|                                          |        |        | 0 | 19.35 | 3.00  | 22.35 | <=30  | Pass |      |
|                                          |        | 1      | 0 | 19.88 | 3.00  | 22.88 | <=30  | Pass |      |
|                                          |        |        | 2 | 20.42 | 3.00  | 23.42 | <=30  | Pass |      |
|                                          |        |        | 5 | 20.51 | 3.00  | 23.51 | <=30  | Pass |      |
|                                          |        |        | 3 | 0     | 20.08 | 3.00  | 23.08 | <=30 | Pass |
|                                          |        |        |   | 2     | 20.06 | 3.00  | 23.06 | <=30 | Pass |
|                                          |        |        |   | 3     | 20.34 | 3.00  | 23.34 | <=30 | Pass |
|                                          | 6      |        | 0 | 19.08 | 3.00  | 22.08 | <=30  | Pass |      |
|                                          | 1754.3 | 1      | 0 | 20.26 | 3.00  | 23.26 | <=30  | Pass |      |
|                                          |        |        | 2 | 20.99 | 3.00  | 23.99 | <=30  | Pass |      |
|                                          |        |        | 5 | 20.64 | 3.00  | 23.64 | <=30  | Pass |      |
|                                          |        | 3      | 0 | 20.49 | 3.00  | 23.49 | <=30  | Pass |      |
|                                          |        |        | 2 | 20.52 | 3.00  | 23.52 | <=30  | Pass |      |
|                                          |        |        | 3 | 20.55 | 3.00  | 23.55 | <=30  | Pass |      |
|                                          |        | 6      | 0 | 19.76 | 3.00  | 22.76 | <=30  | Pass |      |
|                                          | 256QAM | 1710.7 | 1 | 0     | 17.54 | 3.00  | 20.54 | <=30 | Pass |
|                                          |        |        |   | 2     | 17.69 | 3.00  | 20.69 | <=30 | Pass |
|                                          |        |        |   | 5     | 17.83 | 3.00  | 20.83 | <=30 | Pass |
|                                          |        |        | 3 | 0     | 17.80 | 3.00  | 20.80 | <=30 | Pass |
| 2                                        |        |        |   | 17.59 | 3.00  | 20.59 | <=30  | Pass |      |
| 3                                        |        |        |   | 17.87 | 3.00  | 20.87 | <=30  | Pass |      |
| 6                                        |        |        | 0 | 17.55 | 3.00  | 20.55 | <=30  | Pass |      |
| 1732.5                                   |        | 1      | 0 | 17.18 | 3.00  | 20.18 | <=30  | Pass |      |
|                                          |        |        | 2 | 17.53 | 3.00  | 20.53 | <=30  | Pass |      |
|                                          |        |        | 5 | 17.32 | 3.00  | 20.32 | <=30  | Pass |      |
|                                          |        | 3      | 0 | 17.40 | 3.00  | 20.40 | <=30  | Pass |      |
|                                          |        |        | 2 | 17.37 | 3.00  | 20.37 | <=30  | Pass |      |
|                                          |        |        | 3 | 17.50 | 3.00  | 20.50 | <=30  | Pass |      |
|                                          |        | 6      | 0 | 17.34 | 3.00  | 20.34 | <=30  | Pass |      |
| 1754.3                                   |        | 1      | 0 | 17.68 | 3.00  | 20.68 | <=30  | Pass |      |
|                                          |        |        | 2 | 17.88 | 3.00  | 20.88 | <=30  | Pass |      |
|                                          |        |        | 5 | 17.63 | 3.00  | 20.63 | <=30  | Pass |      |
|                                          |        | 3      | 0 | 17.65 | 3.00  | 20.65 | <=30  | Pass |      |
|                                          |        |        | 2 | 17.92 | 3.00  | 20.92 | <=30  | Pass |      |
|                                          |        |        | 3 | 17.72 | 3.00  | 20.72 | <=30  | Pass |      |
|                                          |        | 6      | 0 | 17.58 | 3.00  | 20.58 | <=30  | Pass |      |
| Note1: EIRP=Conducted Power+Antenna Gain |        |        |   |       |       |       |       |      |      |

### 1.1.2 B4\_3MHz\_EIRP

| Band: 4 / Bandwidth: 3MHz / NTNV |                 |               |        |                       |            |            |       |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                             | 1711.5          | 1             | 0      | 22.29                 | 3.00       | 25.29      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.17                 | 3.00       | 25.17      | <=30  | Pass    |
|                                  |                 |               | 14     | 22.23                 | 3.00       | 25.23      | <=30  | Pass    |
|                                  |                 | 8             | 0      | 21.21                 | 3.00       | 24.21      | <=30  | Pass    |
|                                  |                 |               | 4      | 21.26                 | 3.00       | 24.26      | <=30  | Pass    |
|                                  |                 |               | 7      | 21.25                 | 3.00       | 24.25      | <=30  | Pass    |
|                                  |                 | 15            | 0      | 21.27                 | 3.00       | 24.27      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 22.37                 | 3.00       | 25.37      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.50                 | 3.00       | 25.50      | <=30  | Pass    |

|        |        |    |    |       |      |       |      |      |
|--------|--------|----|----|-------|------|-------|------|------|
|        |        | 8  | 14 | 22.47 | 3.00 | 25.47 | <=30 | Pass |
|        |        |    | 0  | 21.51 | 3.00 | 24.51 | <=30 | Pass |
|        |        |    | 4  | 21.60 | 3.00 | 24.60 | <=30 | Pass |
|        |        |    | 7  | 21.56 | 3.00 | 24.56 | <=30 | Pass |
|        |        | 15 | 0  | 21.68 | 3.00 | 24.68 | <=30 | Pass |
|        |        |    | 0  | 22.90 | 3.00 | 25.90 | <=30 | Pass |
|        |        |    | 7  | 22.55 | 3.00 | 25.55 | <=30 | Pass |
|        |        | 8  | 14 | 22.62 | 3.00 | 25.62 | <=30 | Pass |
|        |        |    | 0  | 21.77 | 3.00 | 24.77 | <=30 | Pass |
|        |        |    | 4  | 21.87 | 3.00 | 24.87 | <=30 | Pass |
|        |        |    | 7  | 21.79 | 3.00 | 24.79 | <=30 | Pass |
|        |        | 15 | 0  | 21.86 | 3.00 | 24.86 | <=30 | Pass |
| 16QAM  | 1711.5 | 1  | 0  | 21.50 | 3.00 | 24.50 | <=30 | Pass |
|        |        |    | 7  | 21.49 | 3.00 | 24.49 | <=30 | Pass |
|        |        |    | 14 | 21.38 | 3.00 | 24.38 | <=30 | Pass |
|        |        | 8  | 0  | 20.34 | 3.00 | 23.34 | <=30 | Pass |
|        |        |    | 4  | 20.42 | 3.00 | 23.42 | <=30 | Pass |
|        |        |    | 7  | 20.37 | 3.00 | 23.37 | <=30 | Pass |
|        |        | 15 | 0  | 20.44 | 3.00 | 23.44 | <=30 | Pass |
|        | 1732.5 | 1  | 0  | 21.66 | 3.00 | 24.66 | <=30 | Pass |
|        |        |    | 7  | 21.60 | 3.00 | 24.60 | <=30 | Pass |
|        |        |    | 14 | 20.89 | 3.00 | 23.89 | <=30 | Pass |
|        |        | 8  | 0  | 20.55 | 3.00 | 23.55 | <=30 | Pass |
|        |        |    | 4  | 20.37 | 3.00 | 23.37 | <=30 | Pass |
|        |        |    | 7  | 20.67 | 3.00 | 23.67 | <=30 | Pass |
|        |        | 15 | 0  | 20.62 | 3.00 | 23.62 | <=30 | Pass |
|        | 1753.5 | 1  | 0  | 21.64 | 3.00 | 24.64 | <=30 | Pass |
|        |        |    | 7  | 21.47 | 3.00 | 24.47 | <=30 | Pass |
|        |        |    | 14 | 21.66 | 3.00 | 24.66 | <=30 | Pass |
|        |        | 8  | 0  | 20.60 | 3.00 | 23.60 | <=30 | Pass |
|        |        |    | 4  | 20.61 | 3.00 | 23.61 | <=30 | Pass |
|        |        |    | 7  | 20.54 | 3.00 | 23.54 | <=30 | Pass |
|        |        | 15 | 0  | 20.87 | 3.00 | 23.87 | <=30 | Pass |
| 64QAM  | 1711.5 | 1  | 0  | 20.67 | 3.00 | 23.67 | <=30 | Pass |
|        |        |    | 7  | 20.70 | 3.00 | 23.70 | <=30 | Pass |
|        |        |    | 14 | 20.55 | 3.00 | 23.55 | <=30 | Pass |
|        |        | 8  | 0  | 19.52 | 3.00 | 22.52 | <=30 | Pass |
|        |        |    | 4  | 19.45 | 3.00 | 22.45 | <=30 | Pass |
|        |        |    | 7  | 19.67 | 3.00 | 22.67 | <=30 | Pass |
|        |        | 15 | 0  | 19.68 | 3.00 | 22.68 | <=30 | Pass |
|        | 1732.5 | 1  | 0  | 20.20 | 3.00 | 23.20 | <=30 | Pass |
|        |        |    | 7  | 20.46 | 3.00 | 23.46 | <=30 | Pass |
|        |        |    | 14 | 19.83 | 3.00 | 22.83 | <=30 | Pass |
|        |        | 8  | 0  | 19.25 | 3.00 | 22.25 | <=30 | Pass |
|        |        |    | 4  | 19.27 | 3.00 | 22.27 | <=30 | Pass |
|        |        |    | 7  | 19.18 | 3.00 | 22.18 | <=30 | Pass |
|        |        | 15 | 0  | 19.38 | 3.00 | 22.38 | <=30 | Pass |
|        | 1753.5 | 1  | 0  | 20.32 | 3.00 | 23.32 | <=30 | Pass |
|        |        |    | 7  | 20.45 | 3.00 | 23.45 | <=30 | Pass |
|        |        |    | 14 | 20.57 | 3.00 | 23.57 | <=30 | Pass |
|        |        | 8  | 0  | 19.57 | 3.00 | 22.57 | <=30 | Pass |
|        |        |    | 4  | 19.60 | 3.00 | 22.60 | <=30 | Pass |
|        |        |    | 7  | 19.52 | 3.00 | 22.52 | <=30 | Pass |
|        |        | 15 | 0  | 19.58 | 3.00 | 22.58 | <=30 | Pass |
| 256QAM | 1711.5 | 1  | 0  | 17.77 | 3.00 | 20.77 | <=30 | Pass |
|        |        |    | 7  | 18.11 | 3.00 | 21.11 | <=30 | Pass |

|                                          |        |    |    |       |      |       |      |      |
|------------------------------------------|--------|----|----|-------|------|-------|------|------|
|                                          |        |    | 14 | 17.84 | 3.00 | 20.84 | <=30 | Pass |
|                                          |        | 8  | 0  | 17.76 | 3.00 | 20.76 | <=30 | Pass |
|                                          |        |    | 4  | 17.89 | 3.00 | 20.89 | <=30 | Pass |
|                                          |        |    | 7  | 17.70 | 3.00 | 20.70 | <=30 | Pass |
|                                          |        | 15 | 0  | 17.76 | 3.00 | 20.76 | <=30 | Pass |
|                                          | 1732.5 | 1  | 0  | 17.14 | 3.00 | 20.14 | <=30 | Pass |
|                                          |        |    | 7  | 17.15 | 3.00 | 20.15 | <=30 | Pass |
|                                          |        |    | 14 | 17.28 | 3.00 | 20.28 | <=30 | Pass |
|                                          |        | 8  | 0  | 17.28 | 3.00 | 20.28 | <=30 | Pass |
|                                          |        |    | 4  | 17.43 | 3.00 | 20.43 | <=30 | Pass |
|                                          |        |    | 7  | 17.32 | 3.00 | 20.32 | <=30 | Pass |
|                                          |        | 15 | 0  | 17.34 | 3.00 | 20.34 | <=30 | Pass |
|                                          | 1753.5 | 1  | 0  | 17.69 | 3.00 | 20.69 | <=30 | Pass |
|                                          |        |    | 7  | 17.86 | 3.00 | 20.86 | <=30 | Pass |
|                                          |        |    | 14 | 17.85 | 3.00 | 20.85 | <=30 | Pass |
|                                          |        | 8  | 0  | 17.72 | 3.00 | 20.72 | <=30 | Pass |
|                                          |        |    | 4  | 17.79 | 3.00 | 20.79 | <=30 | Pass |
|                                          |        |    | 7  | 17.86 | 3.00 | 20.86 | <=30 | Pass |
|                                          |        | 15 | 0  | 17.74 | 3.00 | 20.74 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |        |    |    |       |      |       |      |      |

## 1.1.3 B4\_5MHz\_EIRP

| Band: 4 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |       |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                             | 1712.5          | 1             | 0      | 22.47                 | 3.00       | 25.47      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.30                 | 3.00       | 25.30      | <=30  | Pass    |
|                                  |                 |               | 24     | 22.49                 | 3.00       | 25.49      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 21.48                 | 3.00       | 24.48      | <=30  | Pass    |
|                                  |                 |               | 6      | 21.44                 | 3.00       | 24.44      | <=30  | Pass    |
|                                  |                 |               | 13     | 21.54                 | 3.00       | 24.54      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 21.50                 | 3.00       | 24.50      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 22.33                 | 3.00       | 25.33      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.41                 | 3.00       | 25.41      | <=30  | Pass    |
|                                  |                 |               | 24     | 22.34                 | 3.00       | 25.34      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 21.48                 | 3.00       | 24.48      | <=30  | Pass    |
|                                  |                 |               | 6      | 21.60                 | 3.00       | 24.60      | <=30  | Pass    |
|                                  |                 |               | 13     | 21.58                 | 3.00       | 24.58      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 21.52                 | 3.00       | 24.52      | <=30  | Pass    |
|                                  | 1752.5          | 1             | 0      | 22.41                 | 3.00       | 25.41      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.72                 | 3.00       | 25.72      | <=30  | Pass    |
|                                  |                 |               | 24     | 22.67                 | 3.00       | 25.67      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 21.83                 | 3.00       | 24.83      | <=30  | Pass    |
|                                  |                 |               | 6      | 21.75                 | 3.00       | 24.75      | <=30  | Pass    |
|                                  |                 |               | 13     | 21.83                 | 3.00       | 24.83      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 21.69                 | 3.00       | 24.69      | <=30  | Pass    |
| 16QAM                            | 1712.5          | 1             | 0      | 21.64                 | 3.00       | 24.64      | <=30  | Pass    |
|                                  |                 |               | 13     | 21.50                 | 3.00       | 24.50      | <=30  | Pass    |
|                                  |                 |               | 24     | 21.84                 | 3.00       | 24.84      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 20.56                 | 3.00       | 23.56      | <=30  | Pass    |
|                                  |                 |               | 6      | 20.47                 | 3.00       | 23.47      | <=30  | Pass    |
|                                  |                 |               | 13     | 20.63                 | 3.00       | 23.63      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 20.43                 | 3.00       | 23.43      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 21.73                 | 3.00       | 24.73      | <=30  | Pass    |
|                                  |                 |               | 13     | 21.70                 | 3.00       | 24.70      | <=30  | Pass    |
|                                  |                 |               | 24     | 21.57                 | 3.00       | 24.57      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 20.41                 | 3.00       | 23.41      | <=30  | Pass    |
|                                  |                 |               | 6      | 20.57                 | 3.00       | 23.57      | <=30  | Pass    |
|                                  |                 |               | 13     | 20.50                 | 3.00       | 23.50      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 20.45                 | 3.00       | 23.45      | <=30  | Pass    |
|                                  | 1752.5          | 1             | 0      | 21.86                 | 3.00       | 24.86      | <=30  | Pass    |
|                                  |                 |               | 13     | 21.60                 | 3.00       | 24.60      | <=30  | Pass    |
|                                  |                 |               | 24     | 21.98                 | 3.00       | 24.98      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 20.65                 | 3.00       | 23.65      | <=30  | Pass    |
|                                  |                 |               | 6      | 20.68                 | 3.00       | 23.68      | <=30  | Pass    |
|                                  |                 |               | 13     | 20.62                 | 3.00       | 23.62      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 20.70                 | 3.00       | 23.70      | <=30  | Pass    |
| 64QAM                            | 1712.5          | 1             | 0      | 20.65                 | 3.00       | 23.65      | <=30  | Pass    |
|                                  |                 |               | 13     | 20.52                 | 3.00       | 23.52      | <=30  | Pass    |
|                                  |                 |               | 24     | 20.79                 | 3.00       | 23.79      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 19.68                 | 3.00       | 22.68      | <=30  | Pass    |
|                                  |                 |               | 6      | 19.68                 | 3.00       | 22.68      | <=30  | Pass    |
|                                  |                 |               | 13     | 19.67                 | 3.00       | 22.67      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 19.69                 | 3.00       | 22.69      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 20.24                 | 3.00       | 23.24      | <=30  | Pass    |
|                                  |                 |               | 13     | 20.40                 | 3.00       | 23.40      | <=30  | Pass    |

|        |        |    |    |       |      |       |      |      |
|--------|--------|----|----|-------|------|-------|------|------|
| 256QAM |        | 12 | 24 | 20.38 | 3.00 | 23.38 | <=30 | Pass |
|        |        |    | 0  | 19.26 | 3.00 | 22.26 | <=30 | Pass |
|        |        |    | 6  | 19.38 | 3.00 | 22.38 | <=30 | Pass |
|        |        |    | 13 | 19.32 | 3.00 | 22.32 | <=30 | Pass |
|        | 1752.5 | 25 | 0  | 19.27 | 3.00 | 22.27 | <=30 | Pass |
|        |        |    | 0  | 20.65 | 3.00 | 23.65 | <=30 | Pass |
|        |        |    | 13 | 20.62 | 3.00 | 23.62 | <=30 | Pass |
|        |        | 1  | 24 | 20.61 | 3.00 | 23.61 | <=30 | Pass |
|        |        |    | 0  | 19.53 | 3.00 | 22.53 | <=30 | Pass |
|        |        |    | 6  | 19.60 | 3.00 | 22.60 | <=30 | Pass |
|        |        | 12 | 13 | 19.63 | 3.00 | 22.63 | <=30 | Pass |
|        |        |    | 0  | 19.46 | 3.00 | 22.46 | <=30 | Pass |
|        |        | 25 | 0  | 17.65 | 3.00 | 20.65 | <=30 | Pass |
|        |        |    | 13 | 17.82 | 3.00 | 20.82 | <=30 | Pass |
|        |        |    | 24 | 17.78 | 3.00 | 20.78 | <=30 | Pass |
|        |        | 12 | 0  | 17.78 | 3.00 | 20.78 | <=30 | Pass |
|        |        |    | 6  | 17.68 | 3.00 | 20.68 | <=30 | Pass |
|        |        |    | 13 | 17.75 | 3.00 | 20.75 | <=30 | Pass |
|        |        | 25 | 0  | 17.70 | 3.00 | 20.70 | <=30 | Pass |
| 256QAM | 1712.5 | 1  | 0  | 17.46 | 3.00 | 20.46 | <=30 | Pass |
|        |        |    | 13 | 17.65 | 3.00 | 20.65 | <=30 | Pass |
|        |        |    | 24 | 17.42 | 3.00 | 20.42 | <=30 | Pass |
|        |        | 12 | 0  | 17.39 | 3.00 | 20.39 | <=30 | Pass |
|        |        |    | 6  | 17.51 | 3.00 | 20.51 | <=30 | Pass |
|        |        |    | 13 | 17.36 | 3.00 | 20.36 | <=30 | Pass |
|        |        | 25 | 0  | 17.40 | 3.00 | 20.40 | <=30 | Pass |
|        |        |    | 0  | 17.48 | 3.00 | 20.48 | <=30 | Pass |
|        |        | 1  | 13 | 17.61 | 3.00 | 20.61 | <=30 | Pass |
|        |        |    | 24 | 17.42 | 3.00 | 20.42 | <=30 | Pass |
|        |        | 12 | 0  | 17.47 | 3.00 | 20.47 | <=30 | Pass |
|        |        |    | 6  | 17.75 | 3.00 | 20.75 | <=30 | Pass |
|        |        |    | 13 | 17.68 | 3.00 | 20.68 | <=30 | Pass |
|        | 1732.5 | 25 | 0  | 17.62 | 3.00 | 20.62 | <=30 | Pass |
|        |        |    | 0  | 17.48 | 3.00 | 20.48 | <=30 | Pass |
|        |        |    | 13 | 17.61 | 3.00 | 20.61 | <=30 | Pass |
|        |        | 1  | 24 | 17.42 | 3.00 | 20.42 | <=30 | Pass |
|        |        |    | 0  | 17.47 | 3.00 | 20.47 | <=30 | Pass |
|        |        |    | 6  | 17.75 | 3.00 | 20.75 | <=30 | Pass |
|        |        | 12 | 13 | 17.68 | 3.00 | 20.68 | <=30 | Pass |
|        |        |    | 0  | 17.62 | 3.00 | 20.62 | <=30 | Pass |
|        |        | 25 | 0  | 17.48 | 3.00 | 20.48 | <=30 | Pass |
|        |        |    | 13 | 17.61 | 3.00 | 20.61 | <=30 | Pass |
|        |        |    | 24 | 17.42 | 3.00 | 20.42 | <=30 | Pass |
|        |        | 1  | 0  | 17.47 | 3.00 | 20.47 | <=30 | Pass |
|        |        |    | 6  | 17.75 | 3.00 | 20.75 | <=30 | Pass |
|        |        |    | 13 | 17.68 | 3.00 | 20.68 | <=30 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B4\_10MHz\_EIRP

| Band: 4 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                              | 1715            | 1             | 0      | 22.55                 | 3.00       | 25.55      | <=30  | Pass    |
|                                   |                 |               | 25     | 22.39                 | 3.00       | 25.39      | <=30  | Pass    |
|                                   |                 |               | 49     | 22.66                 | 3.00       | 25.66      | <=30  | Pass    |
|                                   |                 | 25            | 0      | 21.69                 | 3.00       | 24.69      | <=30  | Pass    |
|                                   |                 |               | 13     | 21.68                 | 3.00       | 24.68      | <=30  | Pass    |
|                                   |                 |               | 25     | 21.74                 | 3.00       | 24.74      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 21.79                 | 3.00       | 24.79      | <=30  | Pass    |
|                                   |                 |               | 0      | 22.42                 | 3.00       | 25.42      | <=30  | Pass    |
|                                   |                 |               | 25     | 22.51                 | 3.00       | 25.51      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 49     | 22.49                 | 3.00       | 25.49      | <=30  | Pass    |
|                                   |                 |               | 0      | 21.49                 | 3.00       | 24.49      | <=30  | Pass    |
|                                   |                 |               | 13     | 21.63                 | 3.00       | 24.63      | <=30  | Pass    |
|                                   |                 | 25            | 25     | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |
|                                   |                 |               | 0      | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |
|                                   |                 |               | 0      | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |
|                                   |                 |               | 0      | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |
|                                   |                 |               | 0      | 21.59                 | 3.00       | 24.59      | <=30  | Pass    |

|        |        |    |    |       |      |       |      |      |
|--------|--------|----|----|-------|------|-------|------|------|
|        | 1750   | 1  | 0  | 22.60 | 3.00 | 25.60 | <=30 | Pass |
|        |        |    | 25 | 22.72 | 3.00 | 25.72 | <=30 | Pass |
|        |        |    | 49 | 22.68 | 3.00 | 25.68 | <=30 | Pass |
|        |        | 25 | 0  | 21.46 | 3.00 | 24.46 | <=30 | Pass |
|        |        |    | 13 | 21.85 | 3.00 | 24.85 | <=30 | Pass |
|        |        |    | 25 | 21.85 | 3.00 | 24.85 | <=30 | Pass |
| 16QAM  | 1715   | 1  | 0  | 21.57 | 3.00 | 24.57 | <=30 | Pass |
|        |        |    | 25 | 21.74 | 3.00 | 24.74 | <=30 | Pass |
|        |        |    | 49 | 21.48 | 3.00 | 24.48 | <=30 | Pass |
|        |        | 25 | 0  | 20.77 | 3.00 | 23.77 | <=30 | Pass |
|        |        |    | 13 | 20.78 | 3.00 | 23.78 | <=30 | Pass |
|        |        |    | 25 | 20.76 | 3.00 | 23.76 | <=30 | Pass |
|        | 1732.5 | 1  | 0  | 20.82 | 3.00 | 23.82 | <=30 | Pass |
|        |        |    | 0  | 20.94 | 3.00 | 23.94 | <=30 | Pass |
|        |        |    | 25 | 21.72 | 3.00 | 24.72 | <=30 | Pass |
|        |        | 25 | 49 | 21.25 | 3.00 | 24.25 | <=30 | Pass |
|        |        |    | 0  | 20.49 | 3.00 | 23.49 | <=30 | Pass |
|        |        |    | 13 | 20.48 | 3.00 | 23.48 | <=30 | Pass |
|        | 1750   | 1  | 25 | 20.39 | 3.00 | 23.39 | <=30 | Pass |
|        |        |    | 0  | 20.62 | 3.00 | 23.62 | <=30 | Pass |
|        |        |    | 0  | 22.05 | 3.00 | 25.05 | <=30 | Pass |
|        |        | 25 | 25 | 21.93 | 3.00 | 24.93 | <=30 | Pass |
|        |        |    | 49 | 21.20 | 3.00 | 24.20 | <=30 | Pass |
|        |        |    | 0  | 20.75 | 3.00 | 23.75 | <=30 | Pass |
| 64QAM  | 1715   | 1  | 13 | 20.61 | 3.00 | 23.61 | <=30 | Pass |
|        |        |    | 25 | 20.81 | 3.00 | 23.81 | <=30 | Pass |
|        |        |    | 0  | 20.79 | 3.00 | 23.79 | <=30 | Pass |
|        | 1732.5 | 1  | 0  | 20.38 | 3.00 | 23.38 | <=30 | Pass |
|        |        |    | 25 | 20.65 | 3.00 | 23.65 | <=30 | Pass |
|        |        |    | 49 | 20.35 | 3.00 | 23.35 | <=30 | Pass |
|        | 1750   | 1  | 0  | 19.42 | 3.00 | 22.42 | <=30 | Pass |
|        |        |    | 13 | 19.56 | 3.00 | 22.56 | <=30 | Pass |
|        |        |    | 25 | 19.46 | 3.00 | 22.46 | <=30 | Pass |
| 256QAM | 1715   | 1  | 0  | 19.54 | 3.00 | 22.54 | <=30 | Pass |
|        |        |    | 0  | 20.13 | 3.00 | 23.13 | <=30 | Pass |
|        |        |    | 25 | 20.17 | 3.00 | 23.17 | <=30 | Pass |
|        | 1732.5 | 1  | 49 | 20.01 | 3.00 | 23.01 | <=30 | Pass |
|        |        |    | 0  | 19.22 | 3.00 | 22.22 | <=30 | Pass |
|        |        |    | 13 | 19.42 | 3.00 | 22.42 | <=30 | Pass |
|        | 1750   | 1  | 25 | 19.36 | 3.00 | 22.36 | <=30 | Pass |
|        |        |    | 0  | 19.29 | 3.00 | 22.29 | <=30 | Pass |
|        |        |    | 0  | 20.47 | 3.00 | 23.47 | <=30 | Pass |
| 256QAM | 1715   | 1  | 25 | 20.78 | 3.00 | 23.78 | <=30 | Pass |
|        |        |    | 49 | 19.84 | 3.00 | 22.84 | <=30 | Pass |
|        |        |    | 0  | 19.44 | 3.00 | 22.44 | <=30 | Pass |
|        | 1732.5 | 1  | 13 | 19.60 | 3.00 | 22.60 | <=30 | Pass |
|        |        |    | 25 | 19.43 | 3.00 | 22.43 | <=30 | Pass |
|        |        |    | 0  | 19.59 | 3.00 | 22.59 | <=30 | Pass |
| 256QAM | 1750   | 1  | 0  | 17.51 | 3.00 | 20.51 | <=30 | Pass |
|        |        |    | 25 | 17.50 | 3.00 | 20.50 | <=30 | Pass |
|        |        |    | 49 | 17.47 | 3.00 | 20.47 | <=30 | Pass |
|        | 1732.5 | 1  | 0  | 17.54 | 3.00 | 20.54 | <=30 | Pass |
|        |        |    | 13 | 17.57 | 3.00 | 20.57 | <=30 | Pass |
|        |        |    | 25 | 17.65 | 3.00 | 20.65 | <=30 | Pass |
| 256QAM | 1715   | 1  | 0  | 17.60 | 3.00 | 20.60 | <=30 | Pass |

|  |        |                                          |    |       |      |       |      |      |
|--|--------|------------------------------------------|----|-------|------|-------|------|------|
|  | 1732.5 | 1                                        | 0  | 17.20 | 3.00 | 20.20 | <=30 | Pass |
|  |        |                                          | 25 | 17.44 | 3.00 | 20.44 | <=30 | Pass |
|  |        |                                          | 49 | 17.40 | 3.00 | 20.40 | <=30 | Pass |
|  |        | 25                                       | 0  | 17.30 | 3.00 | 20.30 | <=30 | Pass |
|  |        |                                          | 13 | 17.46 | 3.00 | 20.46 | <=30 | Pass |
|  |        |                                          | 25 | 17.40 | 3.00 | 20.40 | <=30 | Pass |
|  |        | 50                                       | 0  | 17.41 | 3.00 | 20.41 | <=30 | Pass |
|  | 1750   | 1                                        | 0  | 17.62 | 3.00 | 20.62 | <=30 | Pass |
|  |        |                                          | 25 | 17.70 | 3.00 | 20.70 | <=30 | Pass |
|  |        |                                          | 49 | 17.84 | 3.00 | 20.84 | <=30 | Pass |
|  |        | 25                                       | 0  | 17.38 | 3.00 | 20.38 | <=30 | Pass |
|  |        |                                          | 13 | 17.70 | 3.00 | 20.70 | <=30 | Pass |
|  |        |                                          | 25 | 17.64 | 3.00 | 20.64 | <=30 | Pass |
|  |        | 50                                       | 0  | 17.68 | 3.00 | 20.68 | <=30 | Pass |
|  |        | Note1: EIRP=Conducted Power+Antenna Gain |    |       |      |       |      |      |

### 1.1.5 B4\_15MHz\_EIRP

| Band: 4 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                              | 1717.5          | 1             | 0      | 22.56                 | 3.00       | 25.56      | <=30  | Pass    |
|                                   |                 |               | 38     | 22.62                 | 3.00       | 25.62      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.66                 | 3.00       | 25.66      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.56                 | 3.00       | 24.56      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.46                 | 3.00       | 24.46      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.54                 | 3.00       | 24.54      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.53                 | 3.00       | 24.53      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 22.24                 | 3.00       | 25.24      | <=30  | Pass    |
|                                   |                 |               | 38     | 22.41                 | 3.00       | 25.41      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.37                 | 3.00       | 25.37      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.29                 | 3.00       | 24.29      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.40                 | 3.00       | 24.40      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.50                 | 3.00       | 24.50      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.46                 | 3.00       | 24.46      | <=30  | Pass    |
|                                   | 1747.5          | 1             | 0      | 21.83                 | 3.00       | 24.83      | <=30  | Pass    |
|                                   |                 |               | 38     | 22.46                 | 3.00       | 25.46      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.55                 | 3.00       | 25.55      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.45                 | 3.00       | 24.45      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.55                 | 3.00       | 24.55      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.50                 | 3.00       | 24.50      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.50                 | 3.00       | 24.50      | <=30  | Pass    |
| 16QAM                             | 1717.5          | 1             | 0      | 21.76                 | 3.00       | 24.76      | <=30  | Pass    |
|                                   |                 |               | 38     | 21.46                 | 3.00       | 24.46      | <=30  | Pass    |
|                                   |                 |               | 74     | 21.48                 | 3.00       | 24.48      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 20.49                 | 3.00       | 23.49      | <=30  | Pass    |
|                                   |                 |               | 18     | 20.47                 | 3.00       | 23.47      | <=30  | Pass    |
|                                   |                 |               | 39     | 20.57                 | 3.00       | 23.57      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 20.54                 | 3.00       | 23.54      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 21.99                 | 3.00       | 24.99      | <=30  | Pass    |
|                                   |                 |               | 38     | 21.61                 | 3.00       | 24.61      | <=30  | Pass    |
|                                   |                 |               | 74     | 21.77                 | 3.00       | 24.77      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 20.38                 | 3.00       | 23.38      | <=30  | Pass    |
|                                   |                 |               | 18     | 20.46                 | 3.00       | 23.46      | <=30  | Pass    |

|                                          |        |       |       |       |       |       |       |      |
|------------------------------------------|--------|-------|-------|-------|-------|-------|-------|------|
|                                          |        |       | 39    | 20.44 | 3.00  | 23.44 | <=30  | Pass |
|                                          |        | 75    | 0     | 20.46 | 3.00  | 23.46 | <=30  | Pass |
|                                          | 1747.5 | 1     | 0     | 21.96 | 3.00  | 24.96 | <=30  | Pass |
|                                          |        |       | 38    | 21.69 | 3.00  | 24.69 | <=30  | Pass |
|                                          |        |       | 74    | 21.99 | 3.00  | 24.99 | <=30  | Pass |
|                                          |        |       | 0     | 20.37 | 3.00  | 23.37 | <=30  | Pass |
|                                          |        | 36    | 18    | 20.54 | 3.00  | 23.54 | <=30  | Pass |
|                                          |        |       | 39    | 20.49 | 3.00  | 23.49 | <=30  | Pass |
|                                          |        |       | 75    | 0     | 20.49 | 3.00  | 23.49 | <=30 |
| 64QAM                                    | 1717.5 | 1     | 0     | 19.63 | 3.00  | 22.63 | <=30  | Pass |
|                                          |        |       | 38    | 19.90 | 3.00  | 22.90 | <=30  | Pass |
|                                          |        |       | 74    | 20.42 | 3.00  | 23.42 | <=30  | Pass |
|                                          |        | 36    | 0     | 19.29 | 3.00  | 22.29 | <=30  | Pass |
|                                          |        |       | 18    | 19.29 | 3.00  | 22.29 | <=30  | Pass |
|                                          |        |       | 39    | 19.27 | 3.00  | 22.27 | <=30  | Pass |
|                                          |        | 75    | 0     | 19.33 | 3.00  | 22.33 | <=30  | Pass |
|                                          | 1732.5 | 1     | 0     | 20.31 | 3.00  | 23.31 | <=30  | Pass |
|                                          |        |       | 38    | 20.19 | 3.00  | 23.19 | <=30  | Pass |
|                                          |        |       | 74    | 20.01 | 3.00  | 23.01 | <=30  | Pass |
|                                          |        | 36    | 0     | 19.06 | 3.00  | 22.06 | <=30  | Pass |
|                                          |        |       | 18    | 19.17 | 3.00  | 22.17 | <=30  | Pass |
|                                          |        |       | 39    | 19.24 | 3.00  | 22.24 | <=30  | Pass |
|                                          |        | 75    | 0     | 19.23 | 3.00  | 22.23 | <=30  | Pass |
|                                          | 1747.5 | 1     | 0     | 20.42 | 3.00  | 23.42 | <=30  | Pass |
|                                          |        |       | 38    | 20.29 | 3.00  | 23.29 | <=30  | Pass |
|                                          |        |       | 74    | 20.67 | 3.00  | 23.67 | <=30  | Pass |
|                                          |        | 36    | 0     | 19.28 | 3.00  | 22.28 | <=30  | Pass |
|                                          |        |       | 18    | 19.35 | 3.00  | 22.35 | <=30  | Pass |
|                                          |        |       | 39    | 19.48 | 3.00  | 22.48 | <=30  | Pass |
|                                          |        | 75    | 0     | 19.45 | 3.00  | 22.45 | <=30  | Pass |
| 256QAM                                   | 1717.5 | 1     | 0     | 17.45 | 3.00  | 20.45 | <=30  | Pass |
|                                          |        |       | 38    | 17.14 | 3.00  | 20.14 | <=30  | Pass |
|                                          |        |       | 74    | 17.24 | 3.00  | 20.24 | <=30  | Pass |
|                                          |        | 36    | 0     | 17.36 | 3.00  | 20.36 | <=30  | Pass |
|                                          |        |       | 18    | 17.37 | 3.00  | 20.37 | <=30  | Pass |
|                                          |        |       | 39    | 17.27 | 3.00  | 20.27 | <=30  | Pass |
|                                          |        | 75    | 0     | 17.42 | 3.00  | 20.42 | <=30  | Pass |
|                                          | 1732.5 | 1     | 0     | 16.98 | 3.00  | 19.98 | <=30  | Pass |
|                                          |        |       | 38    | 17.44 | 3.00  | 20.44 | <=30  | Pass |
|                                          |        |       | 74    | 17.45 | 3.00  | 20.45 | <=30  | Pass |
|                                          |        | 36    | 0     | 17.15 | 3.00  | 20.15 | <=30  | Pass |
|                                          |        |       | 18    | 17.30 | 3.00  | 20.30 | <=30  | Pass |
|                                          | 39     | 17.49 | 3.00  | 20.49 | <=30  | Pass  |       |      |
|                                          | 75     | 0     | 17.44 | 3.00  | 20.44 | <=30  | Pass  |      |
|                                          | 1747.5 | 1     | 0     | 17.14 | 3.00  | 20.14 | <=30  | Pass |
|                                          |        |       | 38    | 17.20 | 3.00  | 20.20 | <=30  | Pass |
|                                          |        |       | 74    | 17.58 | 3.00  | 20.58 | <=30  | Pass |
| 36                                       |        | 0     | 17.34 | 3.00  | 20.34 | <=30  | Pass  |      |
|                                          |        | 18    | 17.41 | 3.00  | 20.41 | <=30  | Pass  |      |
|                                          |        | 39    | 17.72 | 3.00  | 20.72 | <=30  | Pass  |      |
| 75                                       |        | 0     | 17.51 | 3.00  | 20.51 | <=30  | Pass  |      |
| Note1: EIRP=Conducted Power+Antenna Gain |        |       |       |       |       |       |       |      |

## 1.1.6 B4\_20MHz\_EIRP

| Band: 4 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                              | 1720            | 1             | 0      | 22.54                 | 3.00       | 25.54      | <=30  | Pass    |
|                                   |                 |               | 50     | 22.64                 | 3.00       | 25.64      | <=30  | Pass    |
|                                   |                 |               | 99     | 22.31                 | 3.00       | 25.31      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 21.46                 | 3.00       | 24.46      | <=30  | Pass    |
|                                   |                 |               | 25     | 21.30                 | 3.00       | 24.30      | <=30  | Pass    |
|                                   |                 |               | 50     | 21.55                 | 3.00       | 24.55      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 21.49                 | 3.00       | 24.49      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 22.38                 | 3.00       | 25.38      | <=30  | Pass    |
|                                   |                 |               | 50     | 22.36                 | 3.00       | 25.36      | <=30  | Pass    |
|                                   |                 |               | 99     | 22.32                 | 3.00       | 25.32      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 21.37                 | 3.00       | 24.37      | <=30  | Pass    |
|                                   |                 |               | 25     | 21.45                 | 3.00       | 24.45      | <=30  | Pass    |
|                                   |                 |               | 50     | 21.51                 | 3.00       | 24.51      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 21.40                 | 3.00       | 24.40      | <=30  | Pass    |
|                                   | 1745            | 1             | 0      | 22.11                 | 3.00       | 25.11      | <=30  | Pass    |
|                                   |                 |               | 50     | 22.50                 | 3.00       | 25.50      | <=30  | Pass    |
|                                   |                 |               | 99     | 22.48                 | 3.00       | 25.48      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 21.48                 | 3.00       | 24.48      | <=30  | Pass    |
|                                   |                 |               | 25     | 21.30                 | 3.00       | 24.30      | <=30  | Pass    |
|                                   |                 |               | 50     | 21.60                 | 3.00       | 24.60      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 21.54                 | 3.00       | 24.54      | <=30  | Pass    |
| 16QAM                             | 1720            | 1             | 0      | 21.46                 | 3.00       | 24.46      | <=30  | Pass    |
|                                   |                 |               | 50     | 21.68                 | 3.00       | 24.68      | <=30  | Pass    |
|                                   |                 |               | 99     | 21.85                 | 3.00       | 24.85      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 20.33                 | 3.00       | 23.33      | <=30  | Pass    |
|                                   |                 |               | 25     | 20.49                 | 3.00       | 23.49      | <=30  | Pass    |
|                                   |                 |               | 50     | 20.52                 | 3.00       | 23.52      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 20.54                 | 3.00       | 23.54      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 21.61                 | 3.00       | 24.61      | <=30  | Pass    |
|                                   |                 |               | 50     | 22.07                 | 3.00       | 25.07      | <=30  | Pass    |
|                                   |                 |               | 99     | 21.28                 | 3.00       | 24.28      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 20.40                 | 3.00       | 23.40      | <=30  | Pass    |
|                                   |                 |               | 25     | 20.39                 | 3.00       | 23.39      | <=30  | Pass    |
|                                   |                 |               | 50     | 20.44                 | 3.00       | 23.44      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 20.48                 | 3.00       | 23.48      | <=30  | Pass    |
|                                   | 1745            | 1             | 0      | 21.38                 | 3.00       | 24.38      | <=30  | Pass    |
|                                   |                 |               | 50     | 21.85                 | 3.00       | 24.85      | <=30  | Pass    |
|                                   |                 |               | 99     | 21.75                 | 3.00       | 24.75      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 20.18                 | 3.00       | 23.18      | <=30  | Pass    |
|                                   |                 |               | 25     | 20.54                 | 3.00       | 23.54      | <=30  | Pass    |
|                                   |                 |               | 50     | 20.64                 | 3.00       | 23.64      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 20.56                 | 3.00       | 23.56      | <=30  | Pass    |
| 64QAM                             | 1720            | 1             | 0      | 20.51                 | 3.00       | 23.51      | <=30  | Pass    |
|                                   |                 |               | 50     | 20.24                 | 3.00       | 23.24      | <=30  | Pass    |
|                                   |                 |               | 99     | 20.34                 | 3.00       | 23.34      | <=30  | Pass    |
|                                   |                 | 50            | 0      | 19.29                 | 3.00       | 22.29      | <=30  | Pass    |
|                                   |                 |               | 25     | 19.29                 | 3.00       | 22.29      | <=30  | Pass    |
|                                   |                 |               | 50     | 19.24                 | 3.00       | 22.24      | <=30  | Pass    |
|                                   |                 | 100           | 0      | 19.22                 | 3.00       | 22.22      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 20.11                 | 3.00       | 23.11      | <=30  | Pass    |
|                                   |                 |               | 50     | 20.27                 | 3.00       | 23.27      | <=30  | Pass    |

|                                          |      |        |      |       |       |       |       |       |      |
|------------------------------------------|------|--------|------|-------|-------|-------|-------|-------|------|
|                                          |      | 50     |      | 99    | 20.56 | 3.00  | 23.56 | <=30  | Pass |
|                                          |      |        | 0    | 19.14 | 3.00  | 22.14 | <=30  | Pass  |      |
|                                          |      |        | 25   | 19.18 | 3.00  | 22.18 | <=30  | Pass  |      |
|                                          |      |        | 50   | 19.25 | 3.00  | 22.25 | <=30  | Pass  |      |
|                                          |      |        | 100  | 0     | 19.25 | 3.00  | 22.25 | <=30  | Pass |
|                                          | 1745 | 1      | 0    | 20.62 | 3.00  | 23.62 | <=30  | Pass  |      |
|                                          |      |        | 50   | 20.24 | 3.00  | 23.24 | <=30  | Pass  |      |
|                                          |      |        | 99   | 19.86 | 3.00  | 22.86 | <=30  | Pass  |      |
|                                          |      | 50     | 0    | 19.26 | 3.00  | 22.26 | <=30  | Pass  |      |
|                                          |      |        | 25   | 19.38 | 3.00  | 22.38 | <=30  | Pass  |      |
|                                          |      |        | 50   | 19.49 | 3.00  | 22.49 | <=30  | Pass  |      |
|                                          |      | 100    | 0    | 19.37 | 3.00  | 22.37 | <=30  | Pass  |      |
|                                          |      | 256QAM | 1720 | 1     | 0     | 17.35 | 3.00  | 20.35 | <=30 |
|                                          | 50   |        |      |       | 17.00 | 3.00  | 20.00 | <=30  | Pass |
|                                          | 99   |        |      |       | 17.51 | 3.00  | 20.51 | <=30  | Pass |
|                                          | 50   |        |      | 0     | 17.40 | 3.00  | 20.40 | <=30  | Pass |
| 25                                       |      |        |      | 17.42 | 3.00  | 20.42 | <=30  | Pass  |      |
| 50                                       |      |        |      | 17.40 | 3.00  | 20.40 | <=30  | Pass  |      |
| 100                                      | 0    |        |      | 17.29 | 3.00  | 20.29 | <=30  | Pass  |      |
| 1732.5                                   | 1    |        | 0    | 17.28 | 3.00  | 20.28 | <=30  | Pass  |      |
|                                          |      |        | 50   | 17.49 | 3.00  | 20.49 | <=30  | Pass  |      |
|                                          |      |        | 99   | 17.33 | 3.00  | 20.33 | <=30  | Pass  |      |
|                                          | 50   |        | 0    | 17.29 | 3.00  | 20.29 | <=30  | Pass  |      |
|                                          |      |        | 25   | 17.40 | 3.00  | 20.40 | <=30  | Pass  |      |
|                                          |      |        | 50   | 17.45 | 3.00  | 20.45 | <=30  | Pass  |      |
|                                          | 100  |        | 0    | 17.38 | 3.00  | 20.38 | <=30  | Pass  |      |
| 1745                                     | 1    |        | 0    | 17.01 | 3.00  | 20.01 | <=30  | Pass  |      |
|                                          |      |        | 50   | 17.45 | 3.00  | 20.45 | <=30  | Pass  |      |
|                                          |      |        | 99   | 17.60 | 3.00  | 20.60 | <=30  | Pass  |      |
|                                          | 50   |        | 0    | 17.35 | 3.00  | 20.35 | <=30  | Pass  |      |
|                                          |      |        | 25   | 17.39 | 3.00  | 20.39 | <=30  | Pass  |      |
|                                          |      |        | 50   | 17.52 | 3.00  | 20.52 | <=30  | Pass  |      |
|                                          | 100  |        | 0    | 17.57 | 3.00  | 20.57 | <=30  | Pass  |      |
| Note1: EIRP=Conducted Power+Antenna Gain |      |        |      |       |       |       |       |       |      |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B4\_10MHz

| Band: 4 / Bandwidth: 10MHz |                 |               |        |            |         |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                       | 1732.5          | 50            | 0      | 20         | LV      | 2.800            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | 1.800            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | -1.500           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -0.200           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | 0.600            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV      | -1.300           | -0.0008               | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band4\_OBW

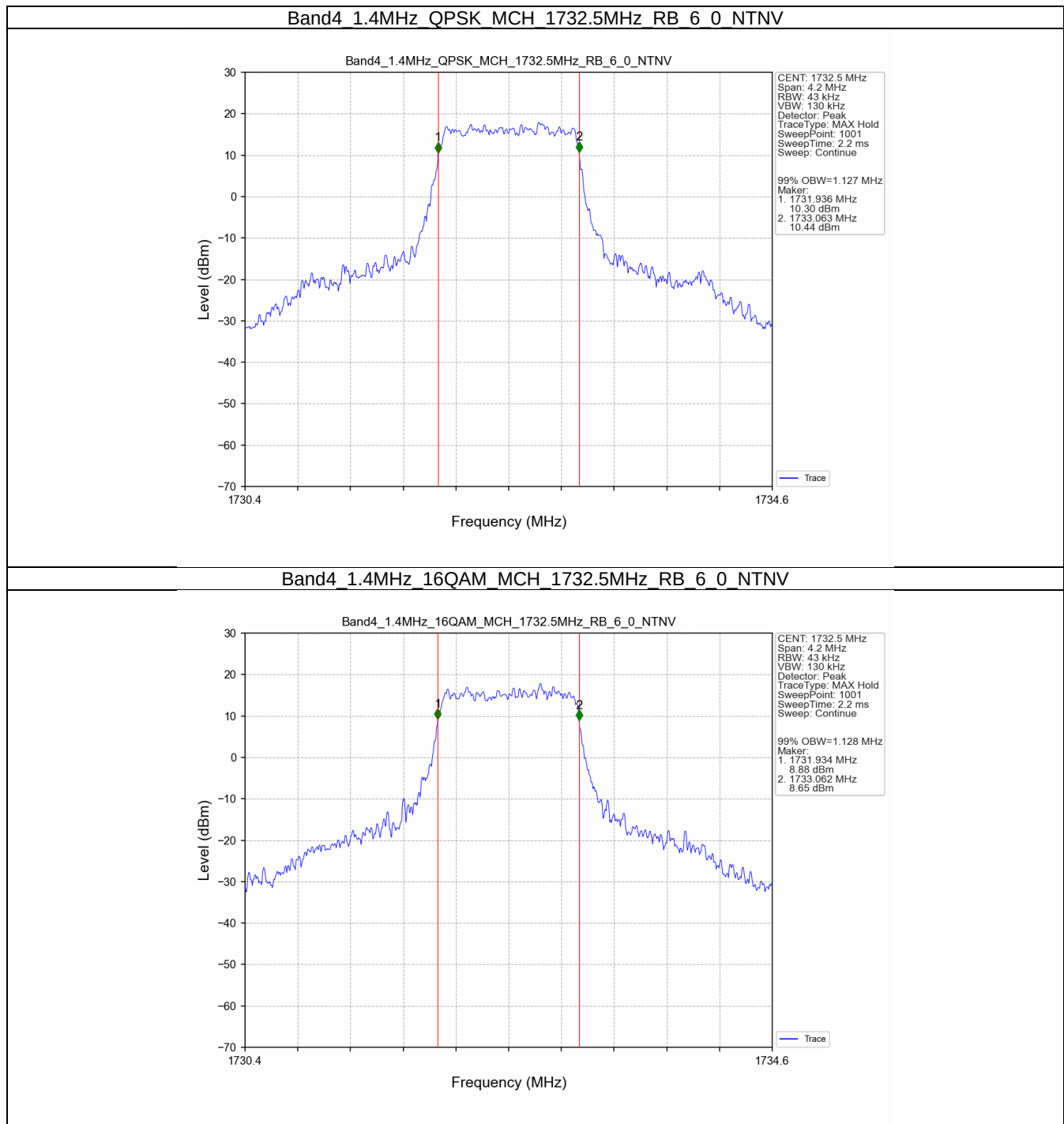
| Band: 4 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1732.5          | 6             | 0      | 1.127                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 6             | 0      | 1.128                        | /     | Pass    |
|                 | 64QAM      | 1732.5          | 6             | 0      | 1.124                        | /     | Pass    |
|                 | 256QAM     | 1732.5          | 6             | 0      | 1.130                        | /     | Pass    |
| 3               | QPSK       | 1732.5          | 15            | 0      | 2.750                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 15            | 0      | 2.737                        | /     | Pass    |
|                 | 64QAM      | 1732.5          | 15            | 0      | 2.731                        | /     | Pass    |
|                 | 256QAM     | 1732.5          | 15            | 0      | 2.750                        | /     | Pass    |
| 5               | QPSK       | 1732.5          | 25            | 0      | 4.557                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 25            | 0      | 4.556                        | /     | Pass    |
|                 | 64QAM      | 1732.5          | 25            | 0      | 4.565                        | /     | Pass    |
|                 | 256QAM     | 1732.5          | 25            | 0      | 4.560                        | /     | Pass    |
| 10              | QPSK       | 1732.5          | 50            | 0      | 9.107                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 50            | 0      | 9.092                        | /     | Pass    |
|                 | 64QAM      | 1732.5          | 50            | 0      | 8.899                        | /     | Pass    |
|                 | 256QAM     | 1732.5          | 50            | 0      | 9.075                        | /     | Pass    |
| 15              | QPSK       | 1732.5          | 75            | 0      | 13.623                       | /     | Pass    |
|                 | 16QAM      | 1732.5          | 75            | 0      | 13.615                       | /     | Pass    |
|                 | 64QAM      | 1732.5          | 75            | 0      | 13.658                       | /     | Pass    |
|                 | 256QAM     | 1732.5          | 75            | 0      | 13.625                       | /     | Pass    |
| 20              | QPSK       | 1732.5          | 100           | 0      | 18.163                       | /     | Pass    |
|                 | 16QAM      | 1732.5          | 100           | 0      | 18.125                       | /     | Pass    |
|                 | 64QAM      | 1732.5          | 100           | 0      | 18.126                       | /     | Pass    |
|                 | 256QAM     | 1732.5          | 100           | 0      | 18.150                       | /     | Pass    |

### 3.1.2 Band4\_XDB

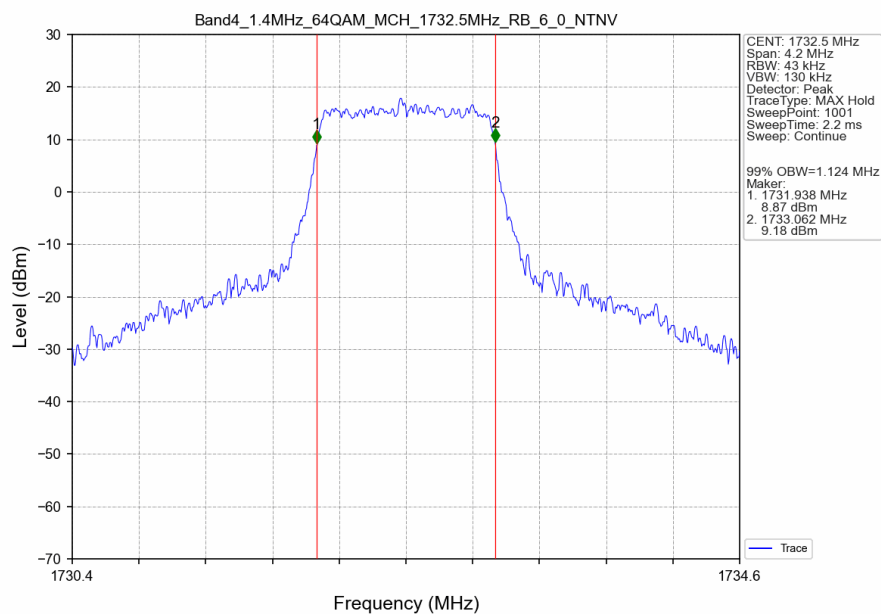
| Band: 4 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1732.5          | 6             | 0      | 1.369                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 6             | 0      | 1.399                | /     | Pass    |
|                 | 64QAM      | 1732.5          | 6             | 0      | 1.382                | /     | Pass    |
|                 | 256QAM     | 1732.5          | 6             | 0      | 1.383                | /     | Pass    |
| 3               | QPSK       | 1732.5          | 15            | 0      | 3.143                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 15            | 0      | 3.144                | /     | Pass    |
|                 | 64QAM      | 1732.5          | 15            | 0      | 3.110                | /     | Pass    |
|                 | 256QAM     | 1732.5          | 15            | 0      | 3.142                | /     | Pass    |
| 5               | QPSK       | 1732.5          | 25            | 0      | 5.285                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 25            | 0      | 5.265                | /     | Pass    |
|                 | 64QAM      | 1732.5          | 25            | 0      | 5.228                | /     | Pass    |
|                 | 256QAM     | 1732.5          | 25            | 0      | 5.223                | /     | Pass    |
| 10              | QPSK       | 1732.5          | 50            | 0      | 10.243               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 50            | 0      | 10.225               | /     | Pass    |
|                 | 64QAM      | 1732.5          | 50            | 0      | 9.526                | /     | Pass    |
|                 | 256QAM     | 1732.5          | 50            | 0      | 10.112               | /     | Pass    |
| 15              | QPSK       | 1732.5          | 75            | 0      | 15.208               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 75            | 0      | 15.155               | /     | Pass    |
|                 | 64QAM      | 1732.5          | 75            | 0      | 15.056               | /     | Pass    |
|                 | 256QAM     | 1732.5          | 75            | 0      | 15.117               | /     | Pass    |
| 20              | QPSK       | 1732.5          | 100           | 0      | 19.944               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 100           | 0      | 20.014               | /     | Pass    |
|                 | 64QAM      | 1732.5          | 100           | 0      | 20.014               | /     | Pass    |
|                 | 256QAM     | 1732.5          | 100           | 0      | 20.159               | /     | Pass    |

## 3.2 Test Graph

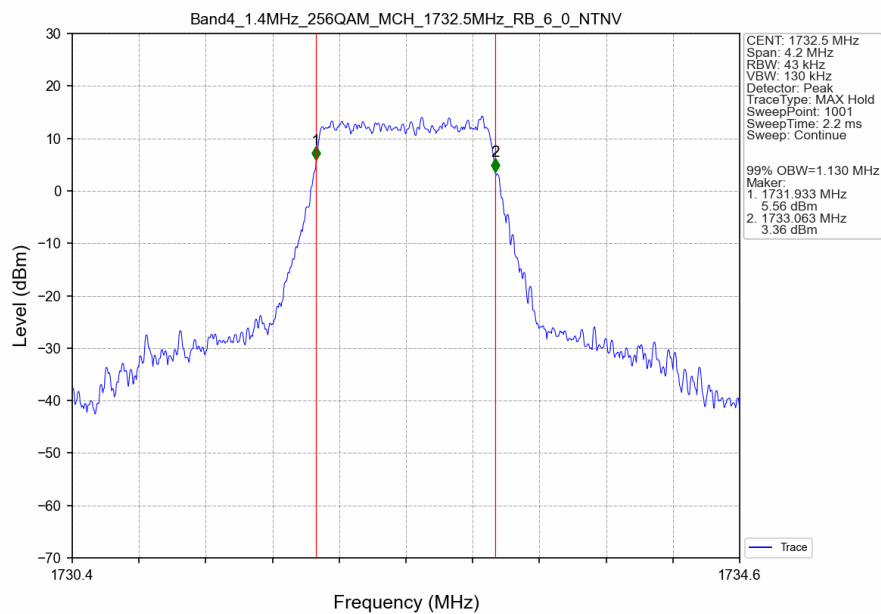
### 3.2.1 Band4\_OBW



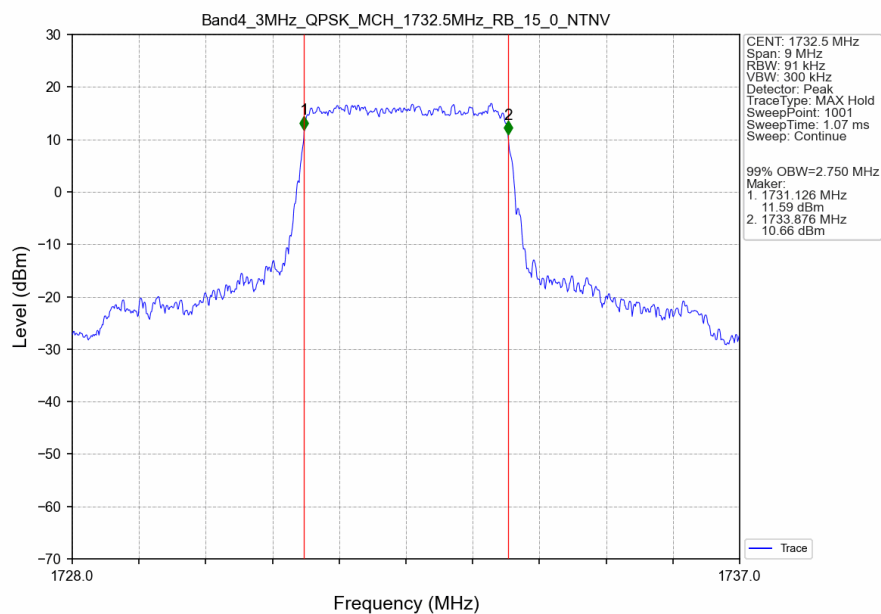
Band4\_1.4MHz\_64QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



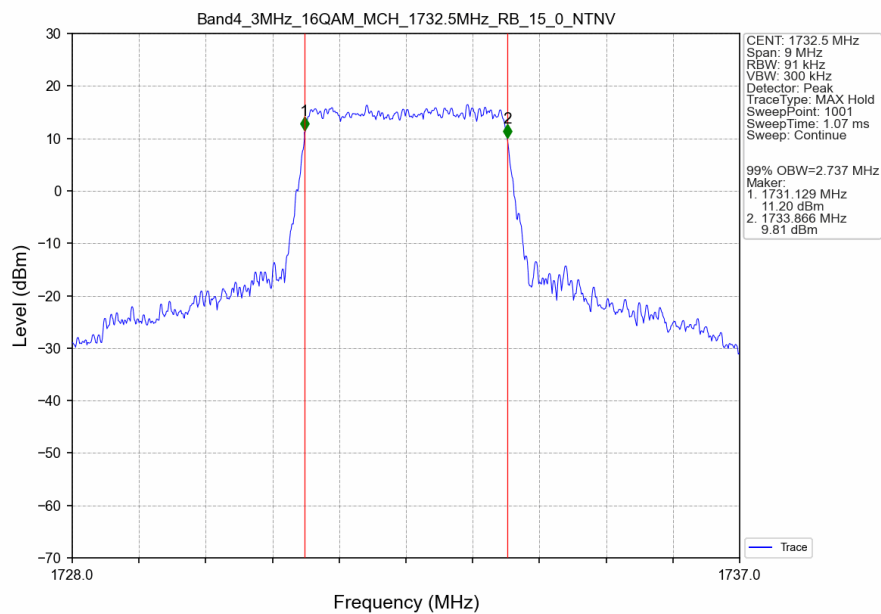
Band4\_1.4MHz\_256QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



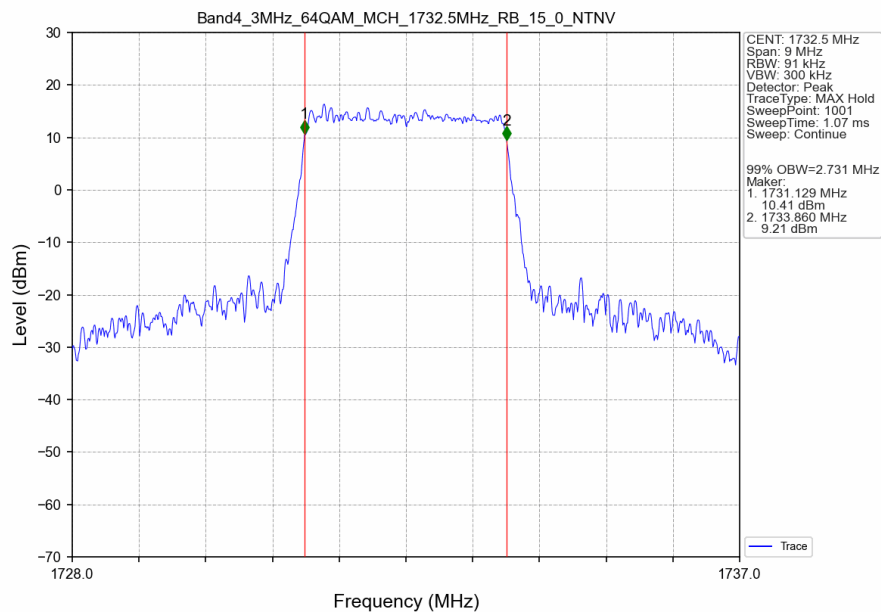
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



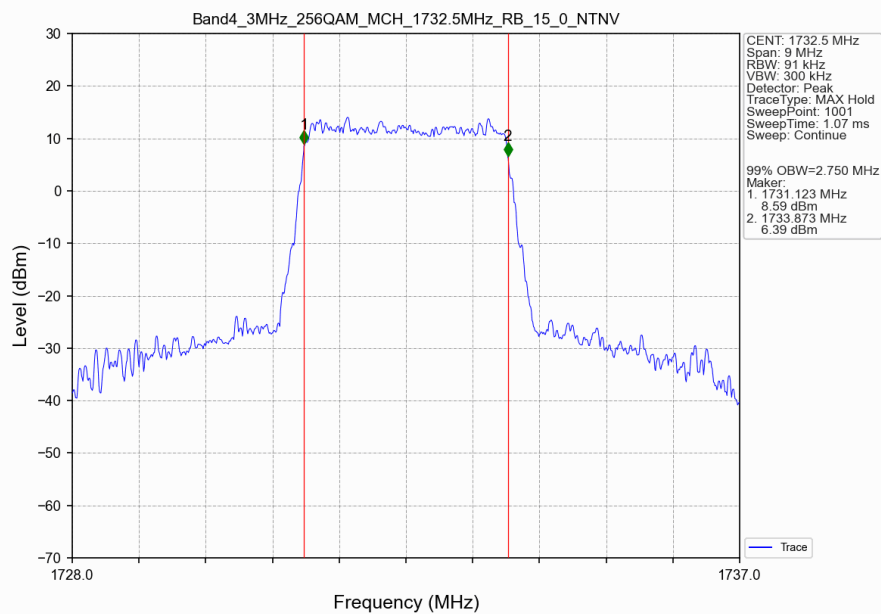
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



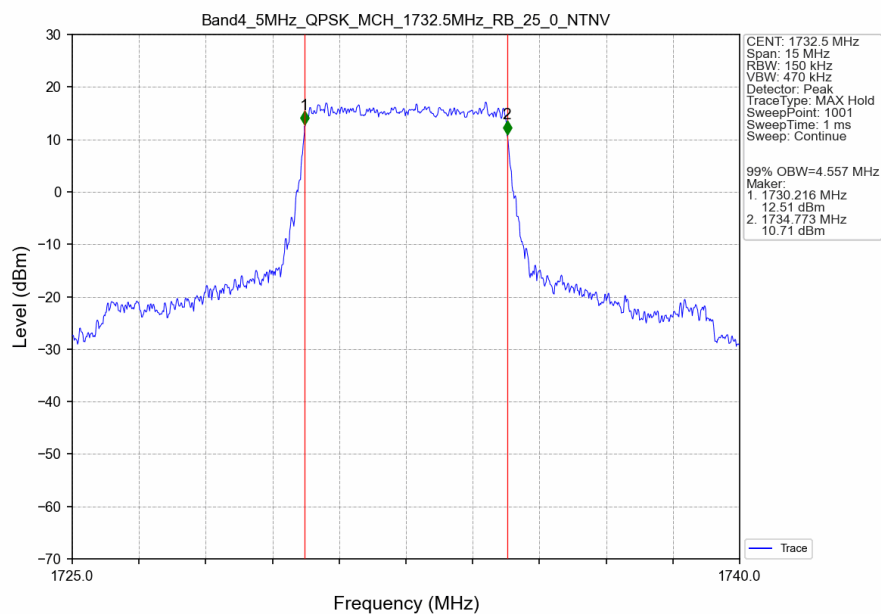
Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



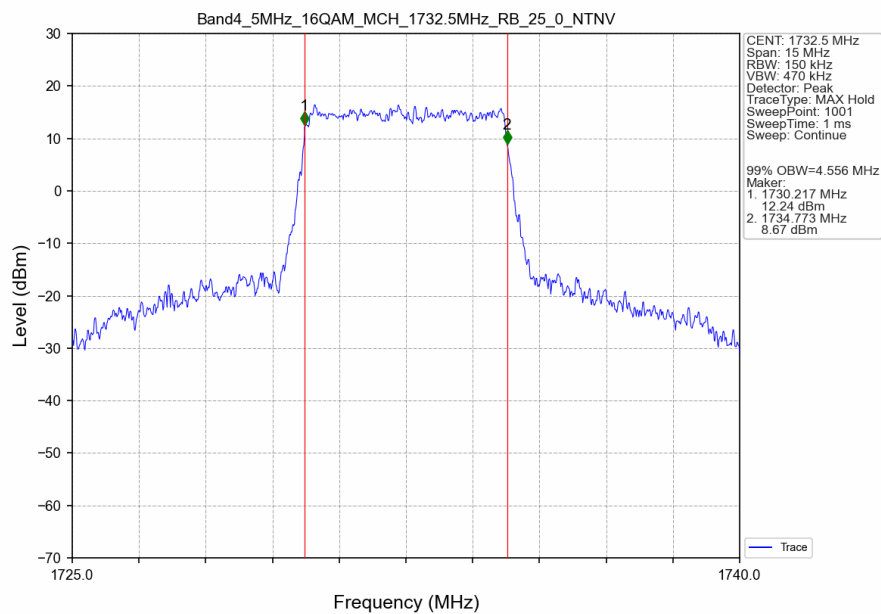
Band4\_3MHz\_256QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



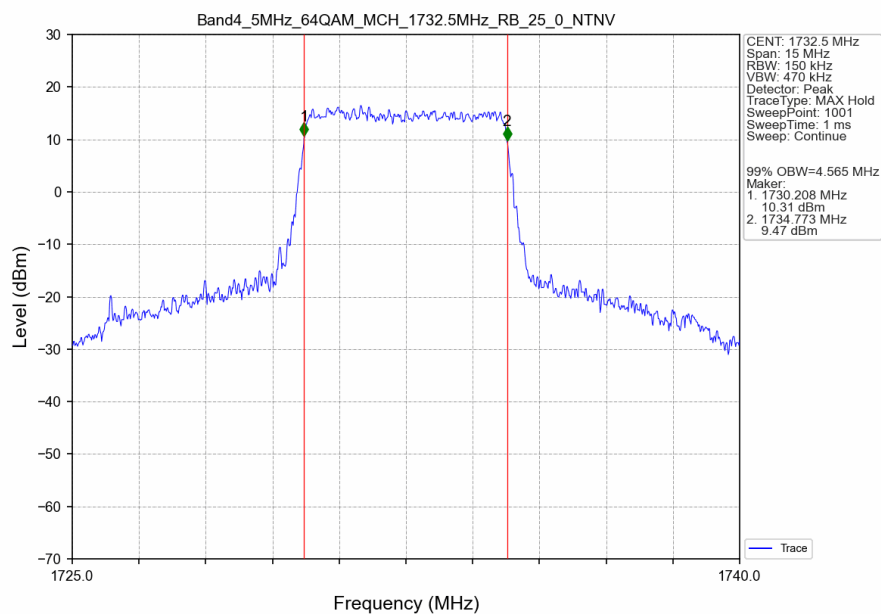
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



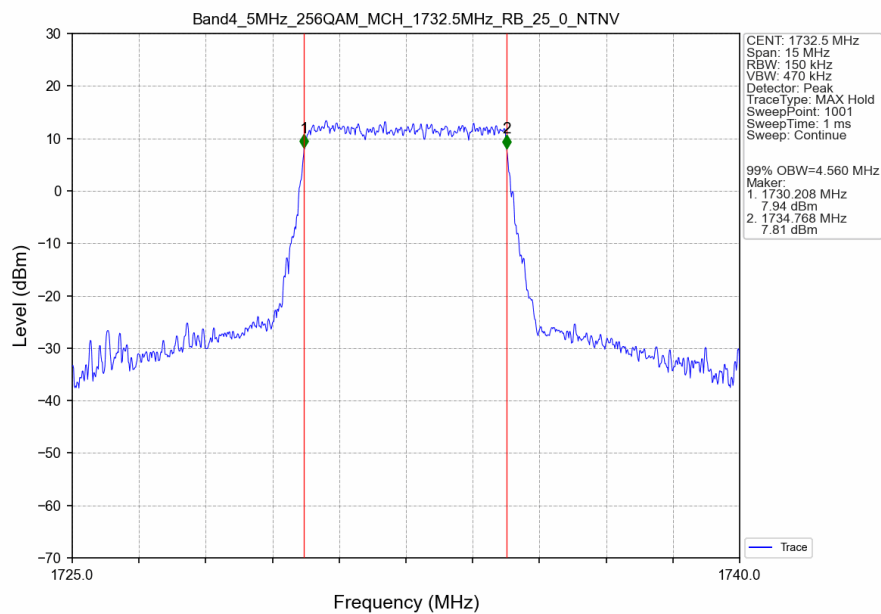
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



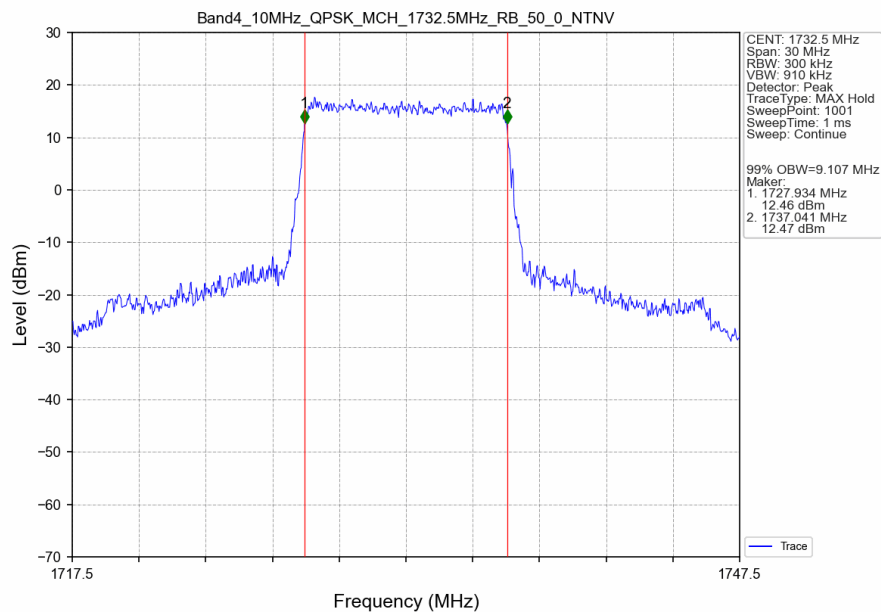
Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



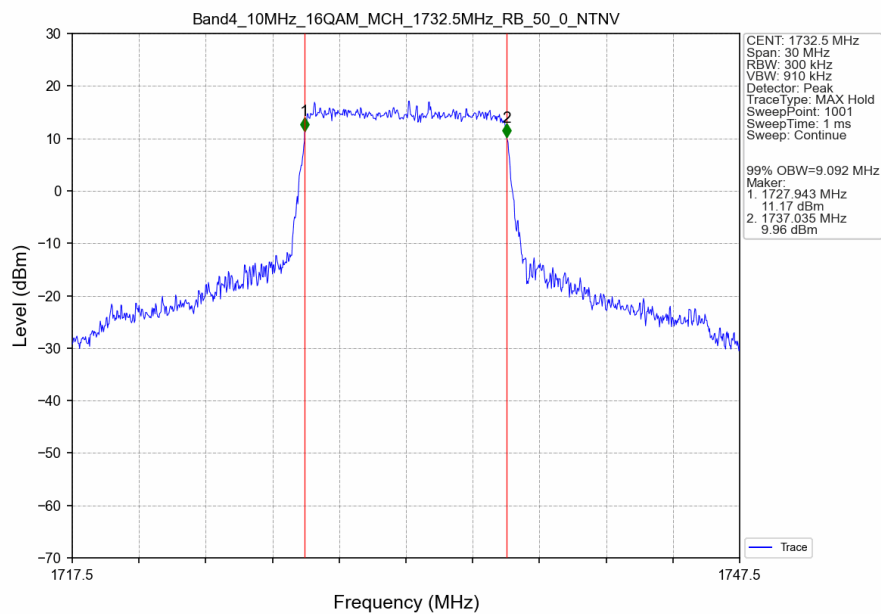
Band4\_5MHz\_256QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



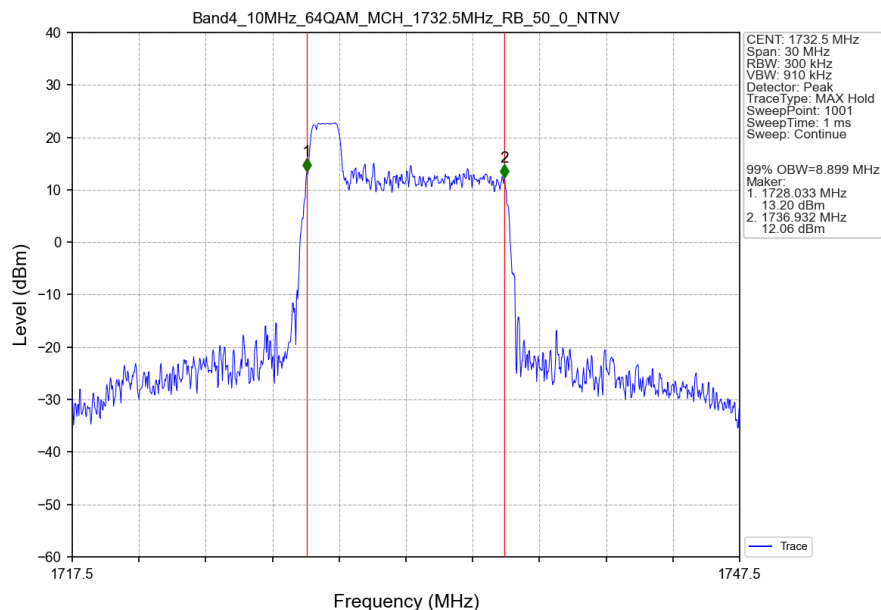
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



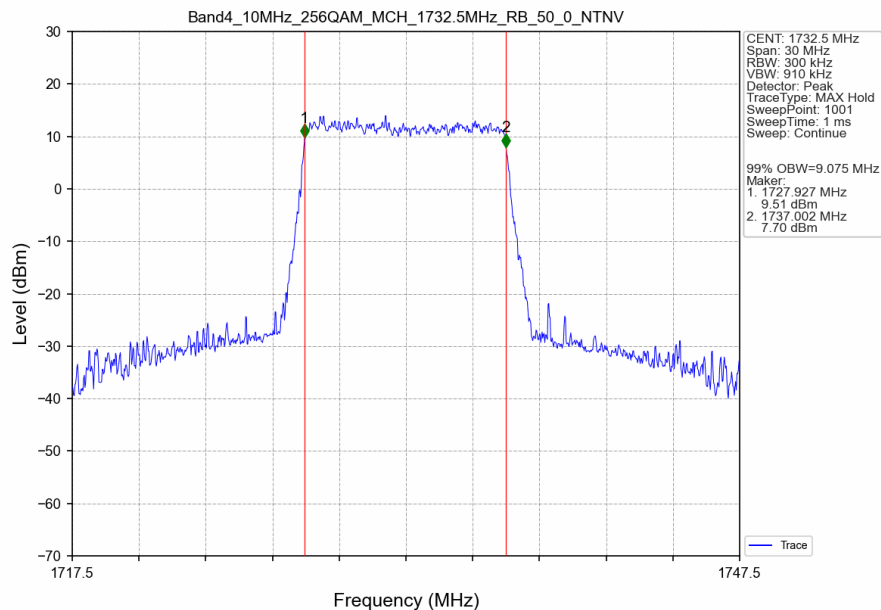
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



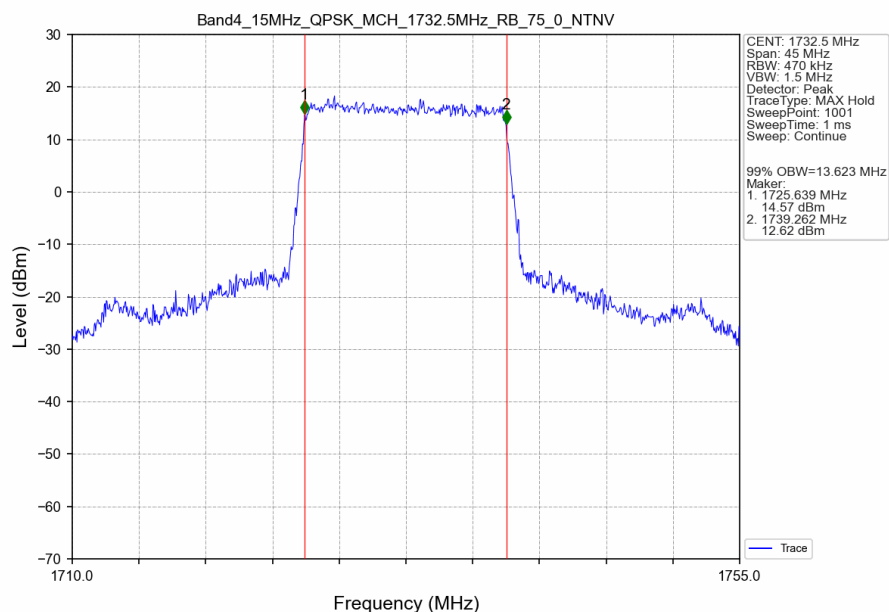
Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



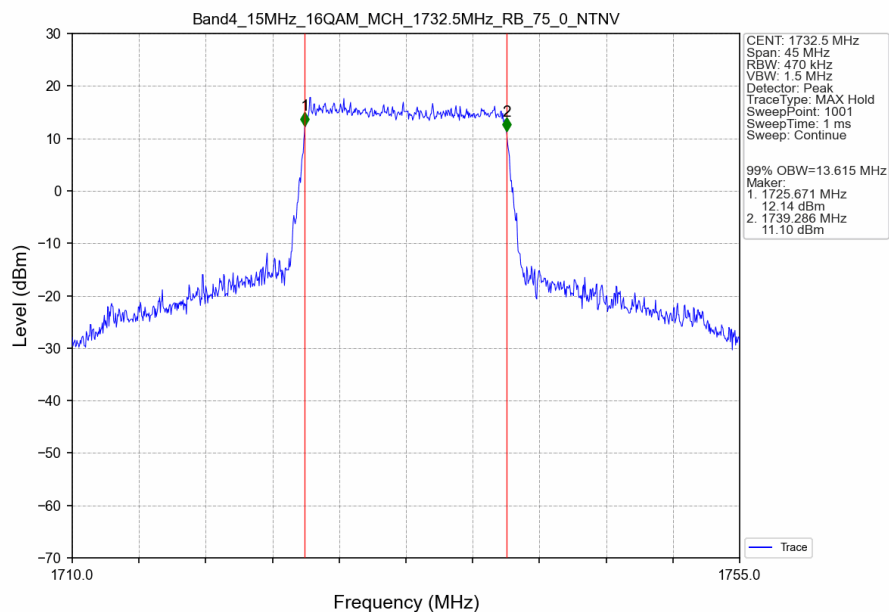
Band4\_10MHz\_256QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



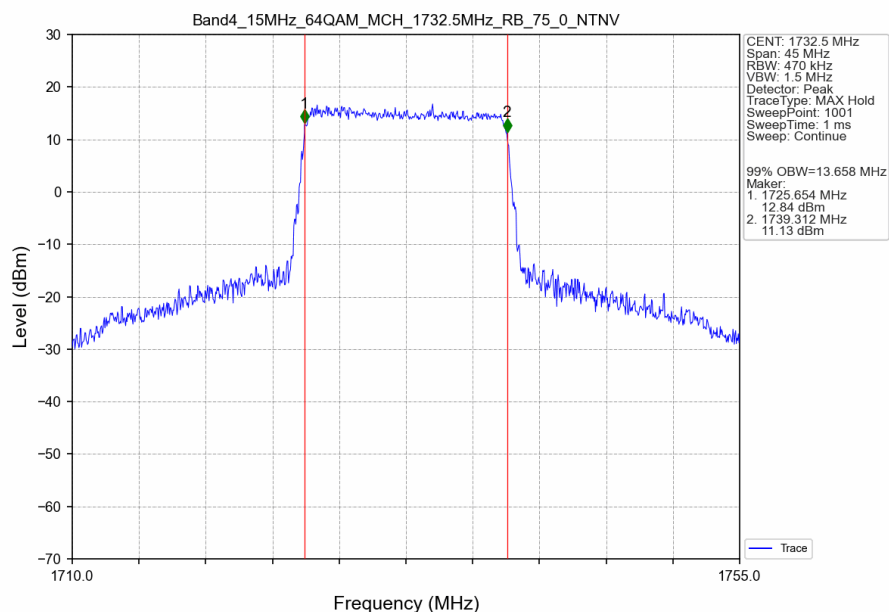
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



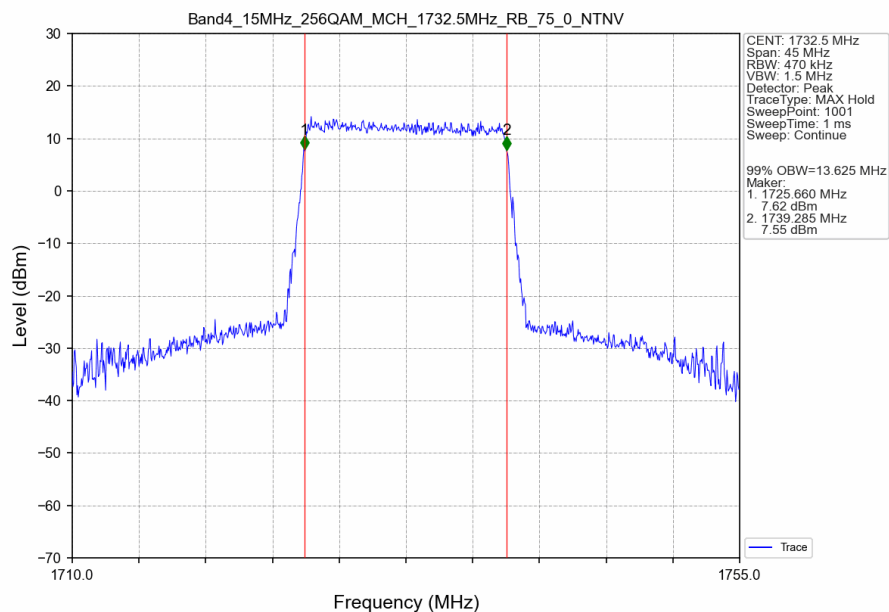
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



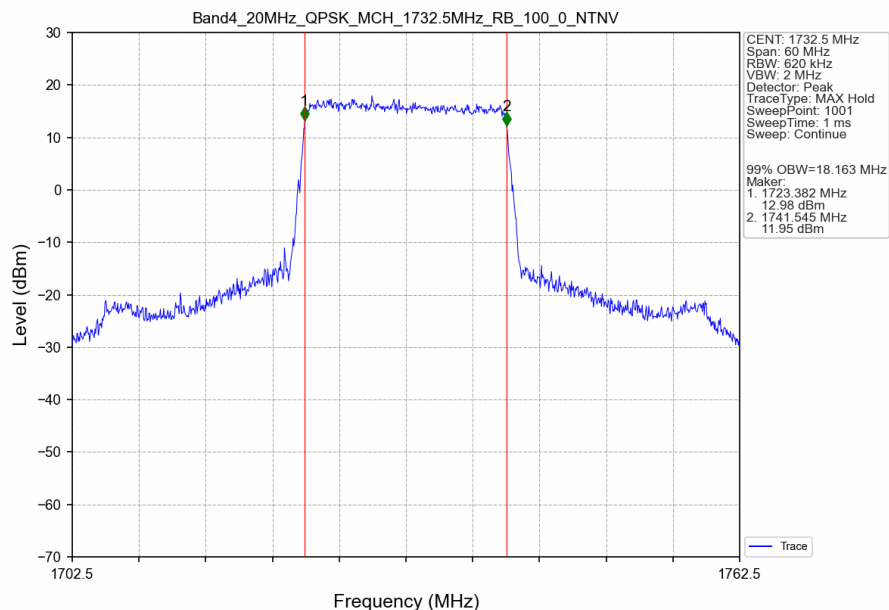
Band4\_15MHz\_64QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



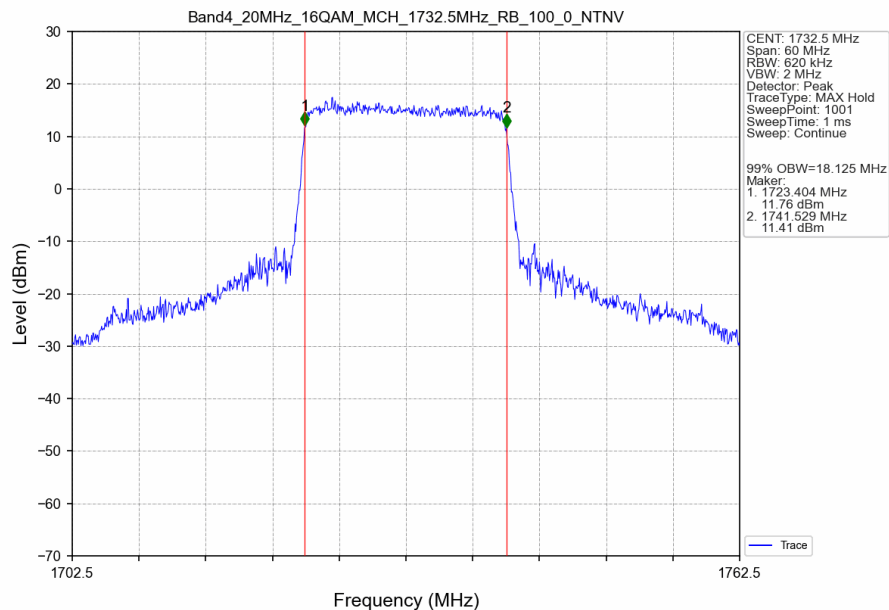
Band4\_15MHz\_256QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



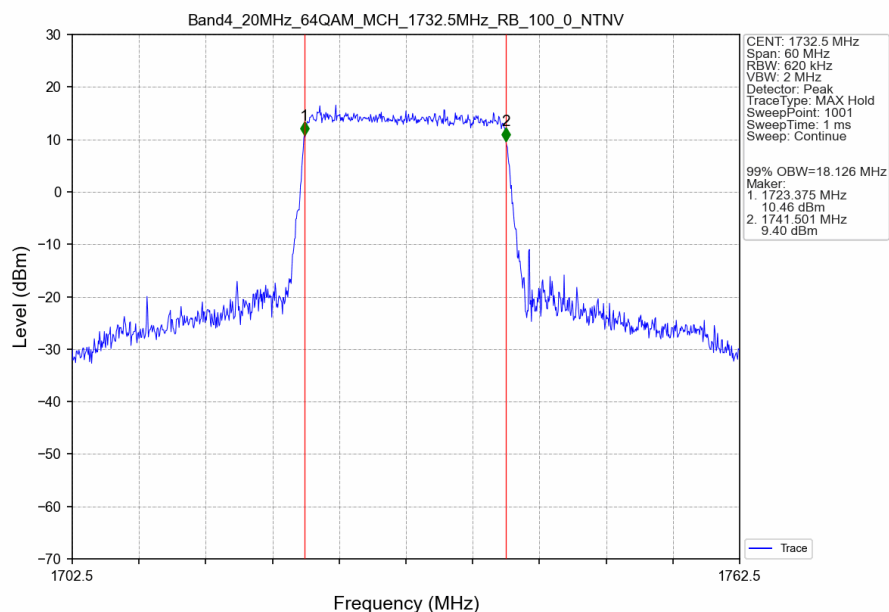
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



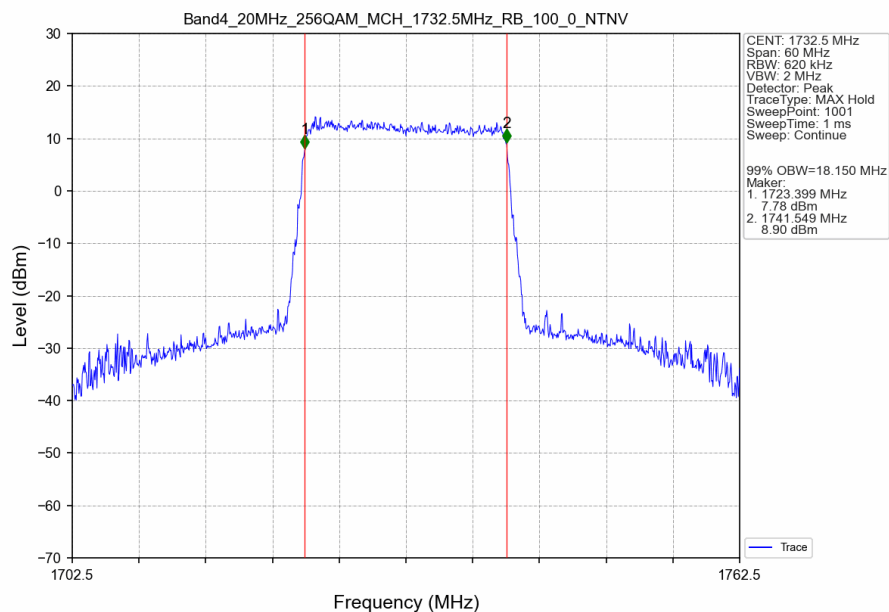
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



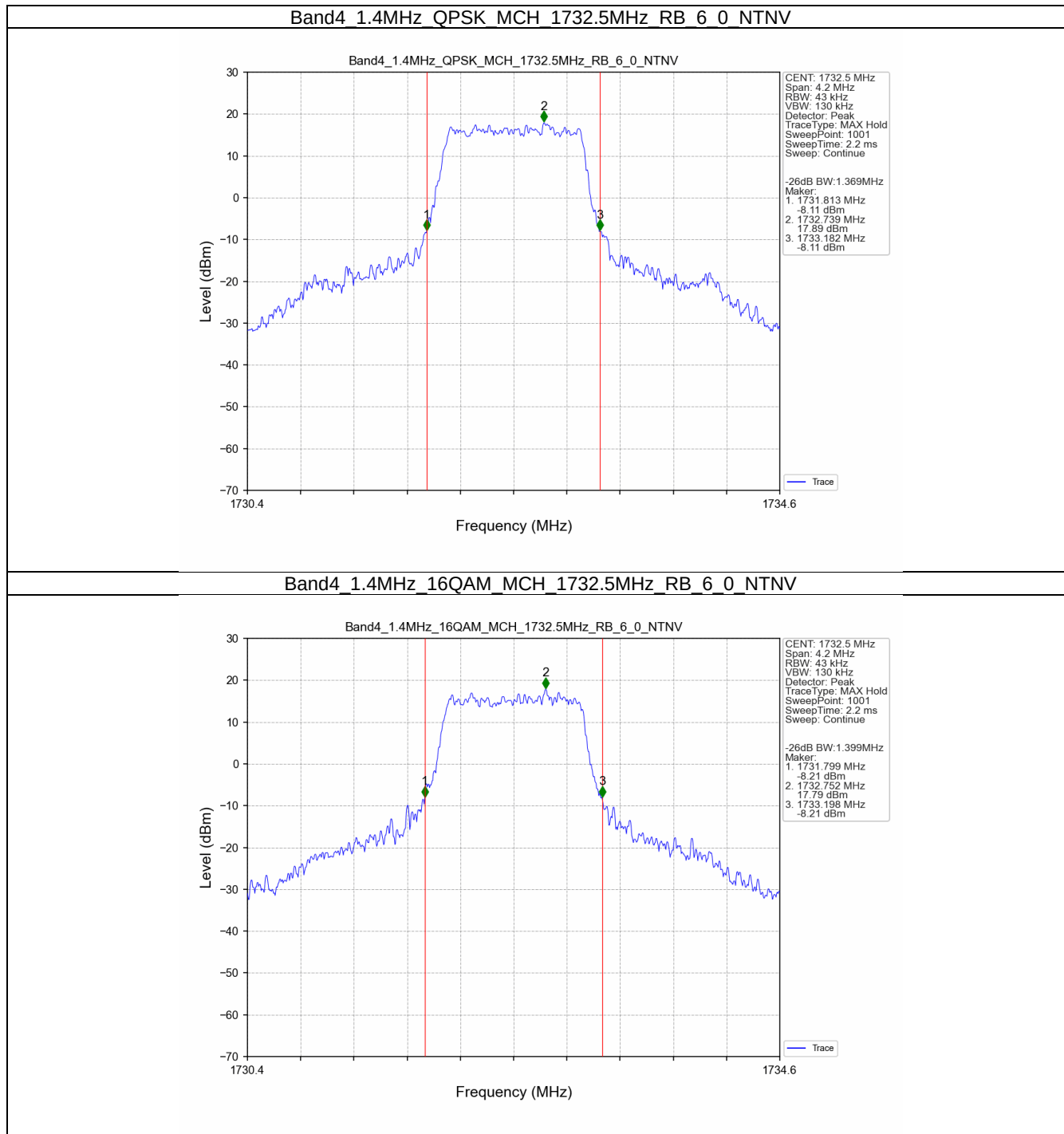
Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



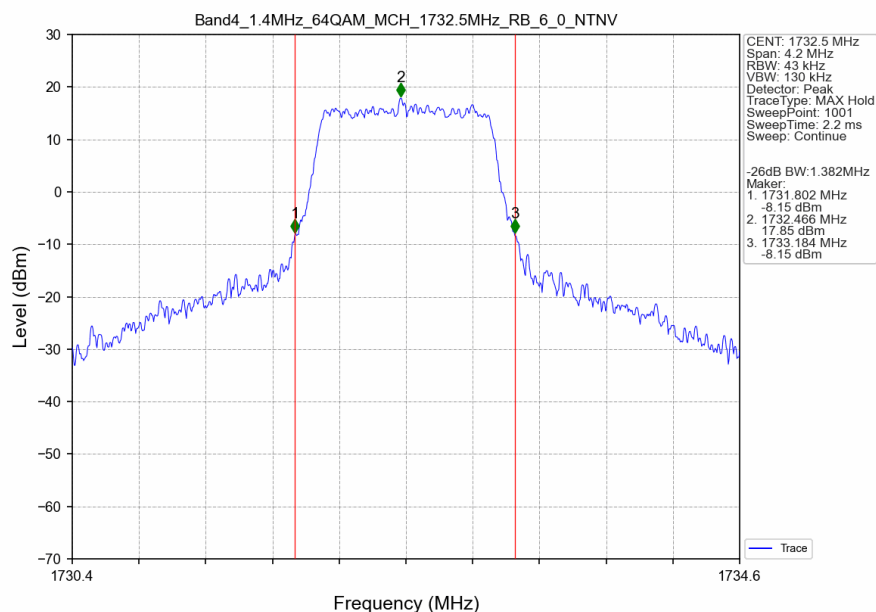
Band4\_20MHz\_256QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



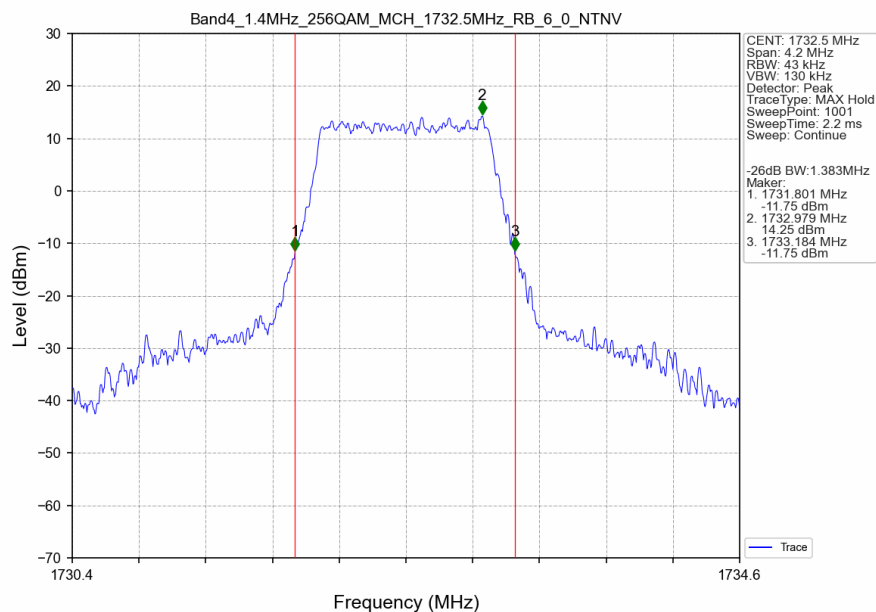
### 3.2.2 Band4\_XDB



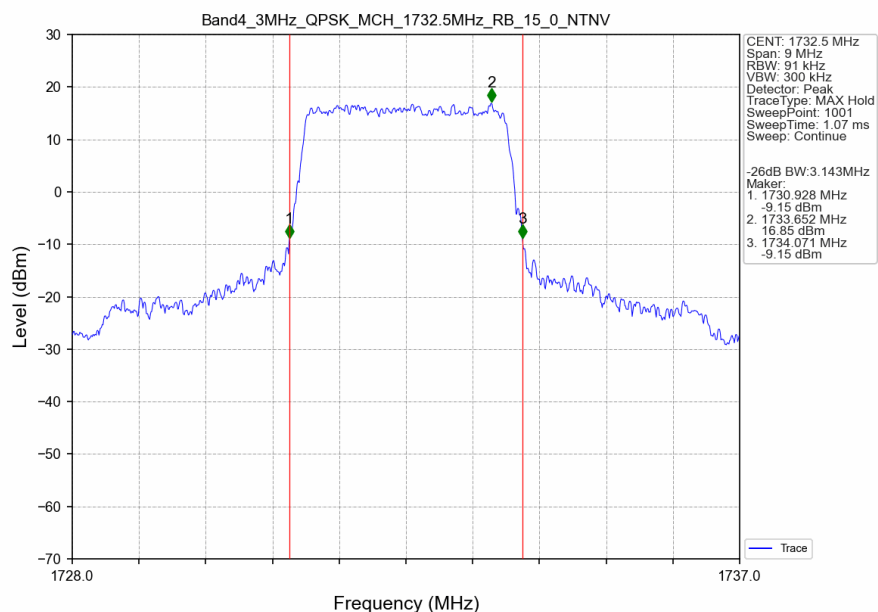
Band4\_1.4MHz\_64QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



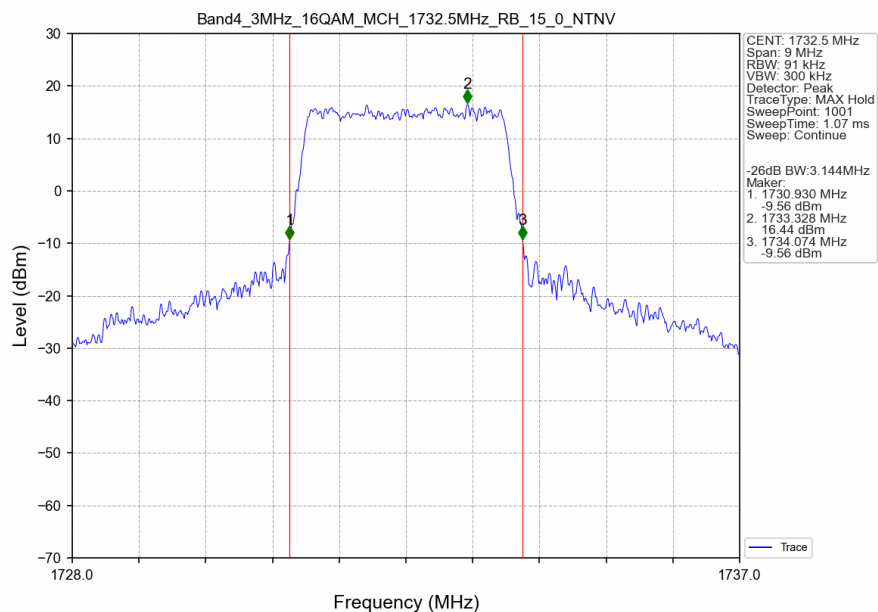
Band4\_1.4MHz\_256QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



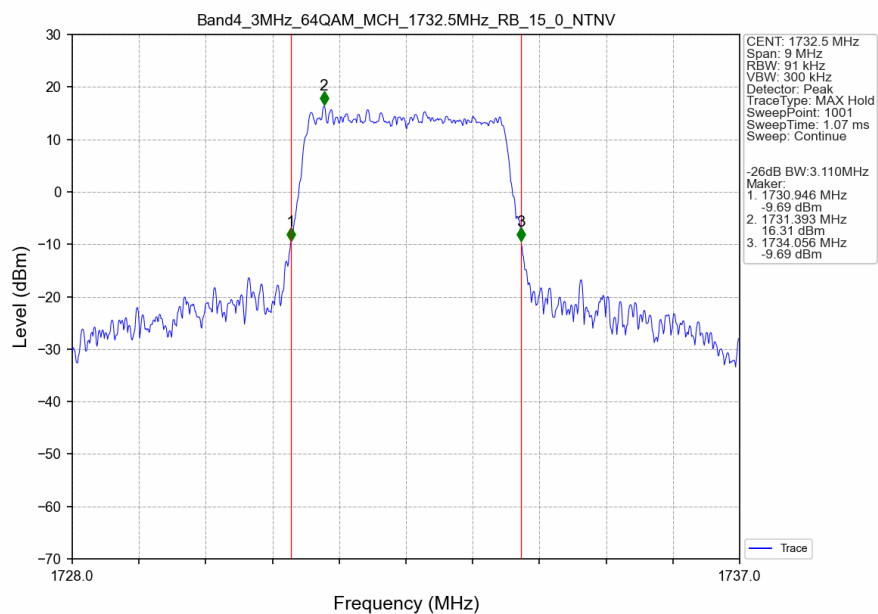
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



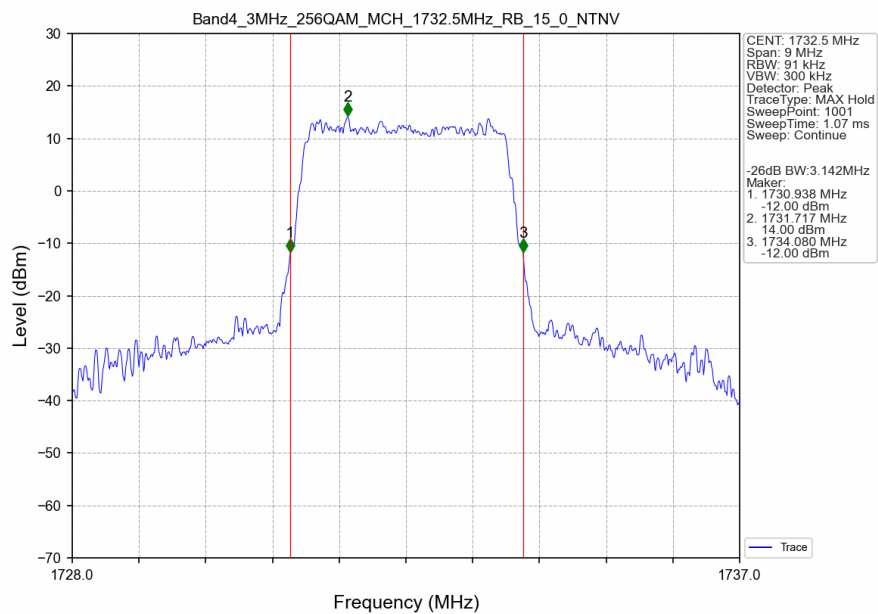
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



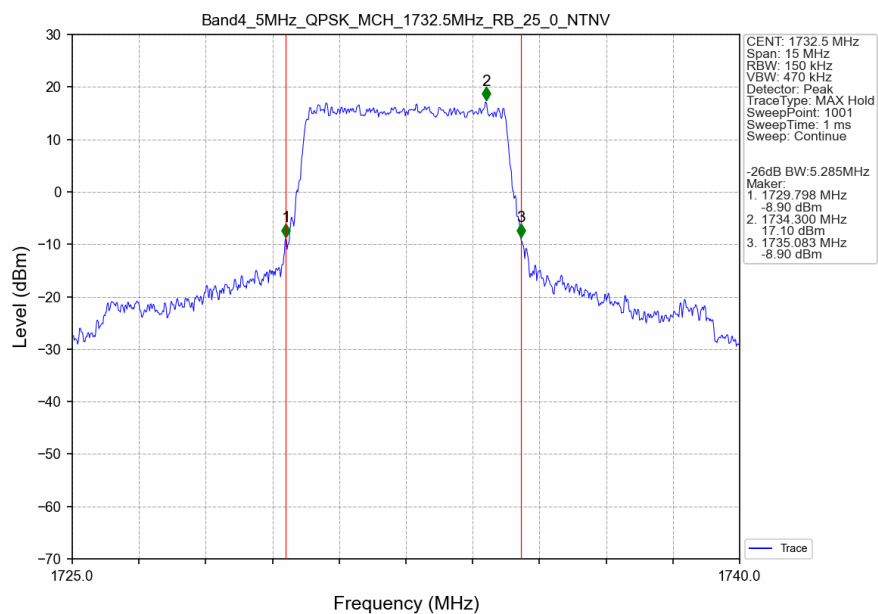
Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



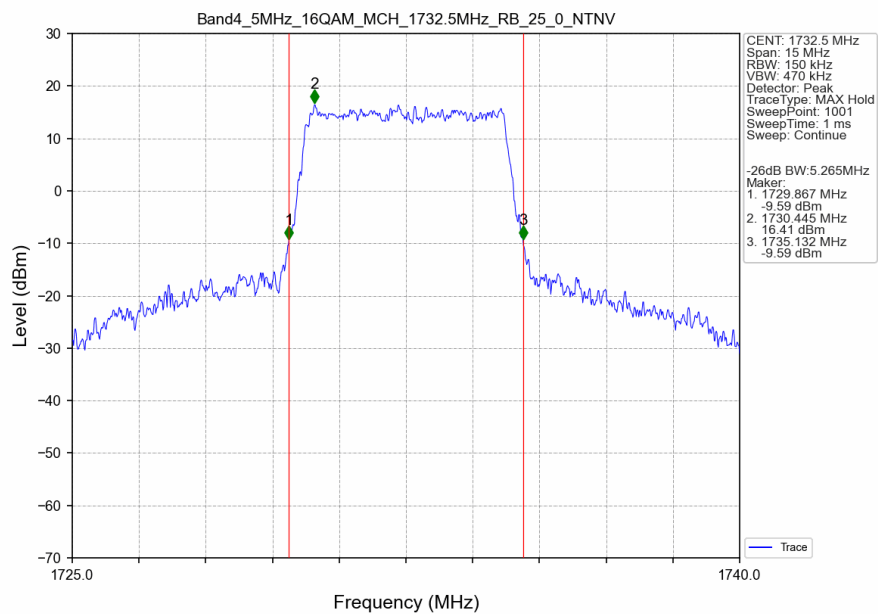
Band4\_3MHz\_256QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



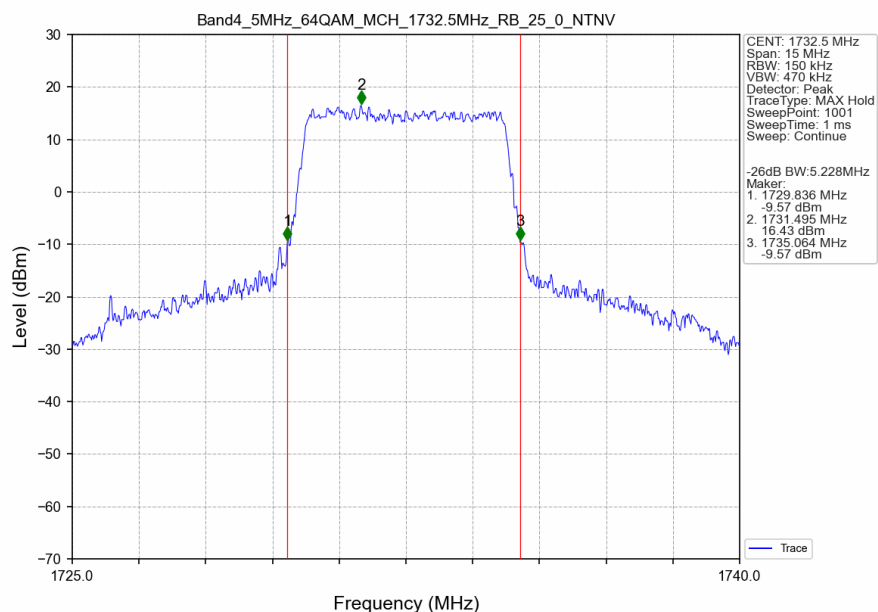
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



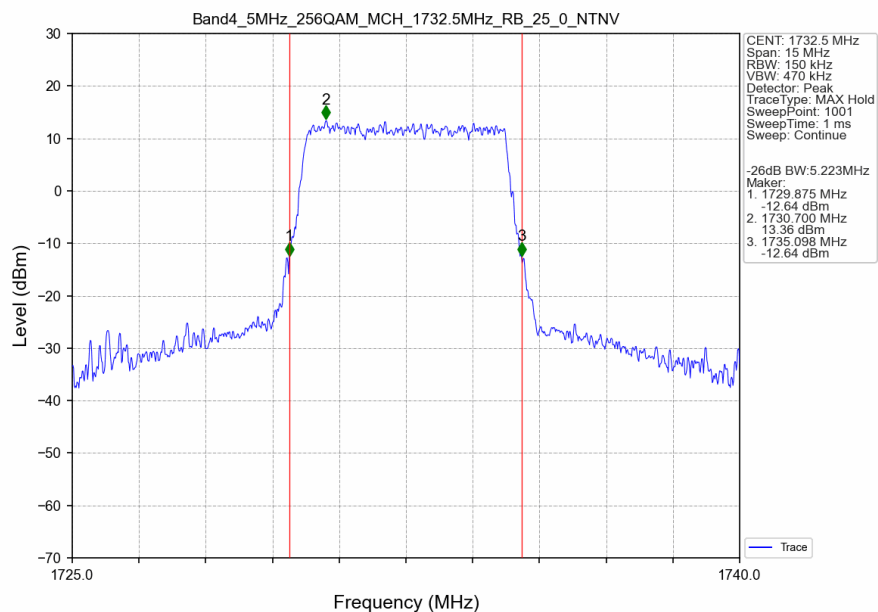
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



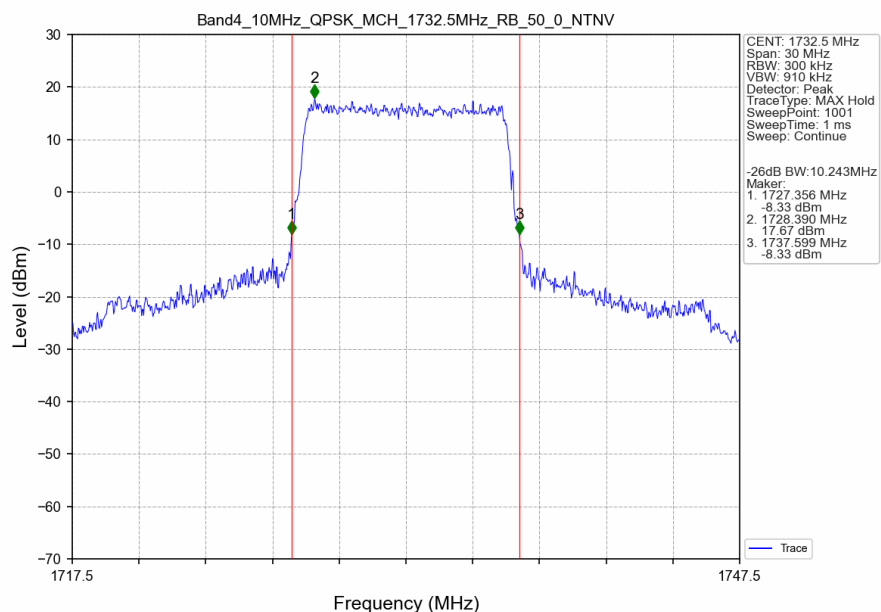
Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



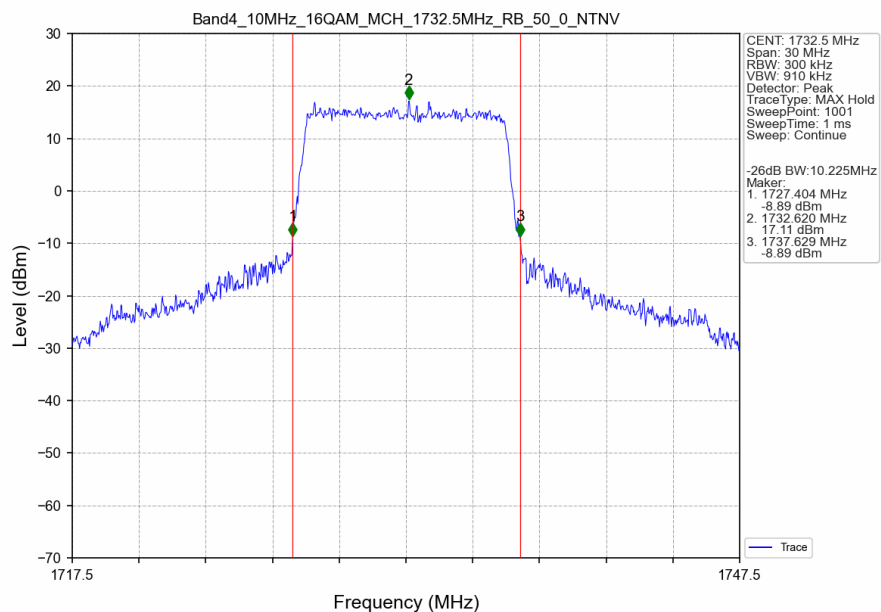
Band4\_5MHz\_256QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



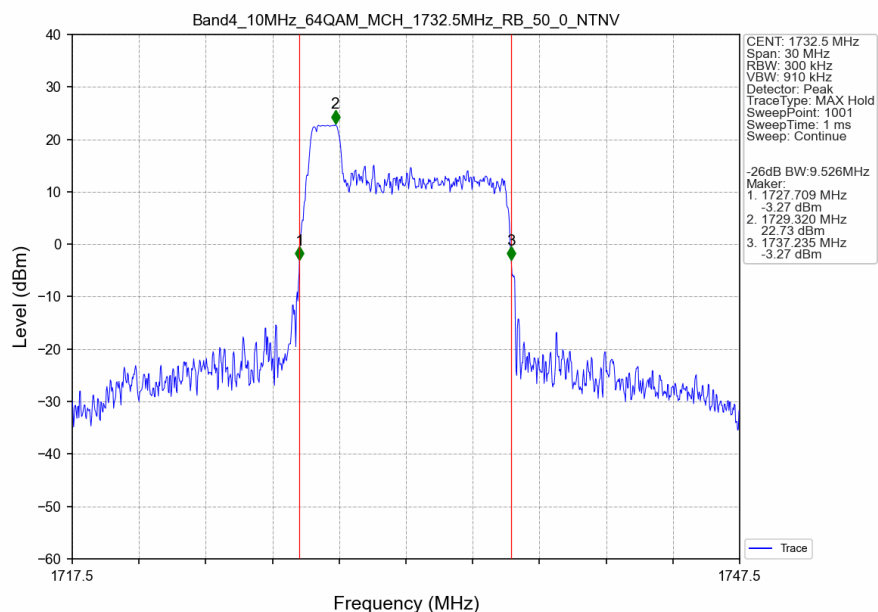
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



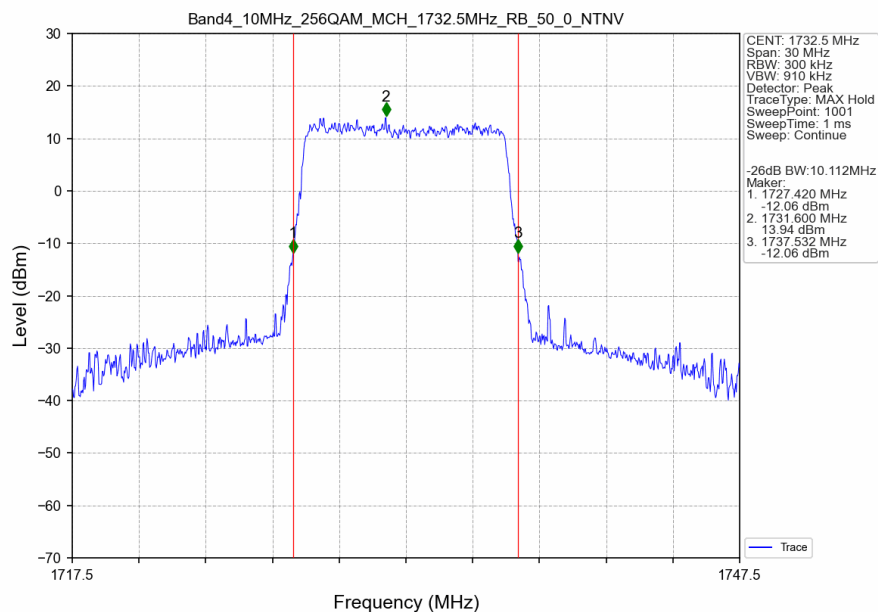
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



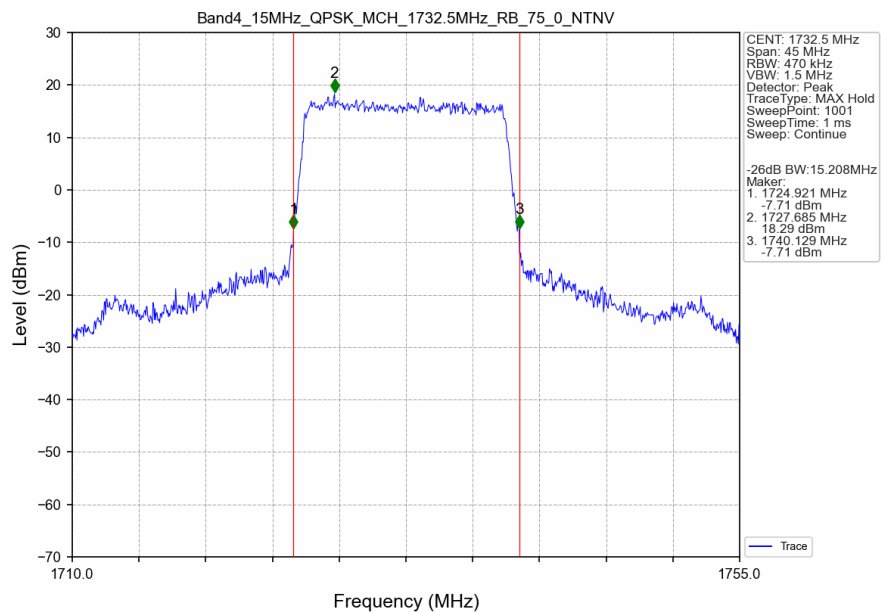
Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



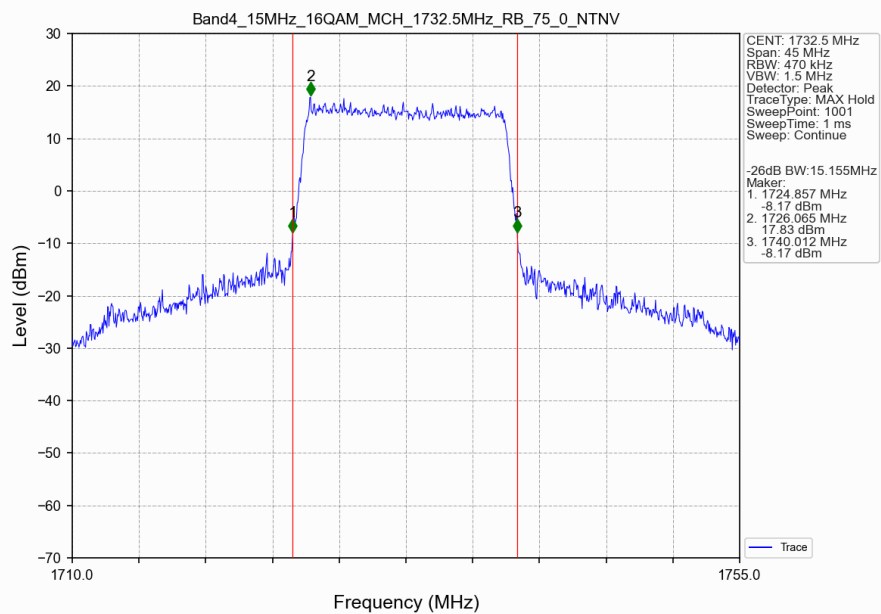
Band4\_10MHz\_256QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



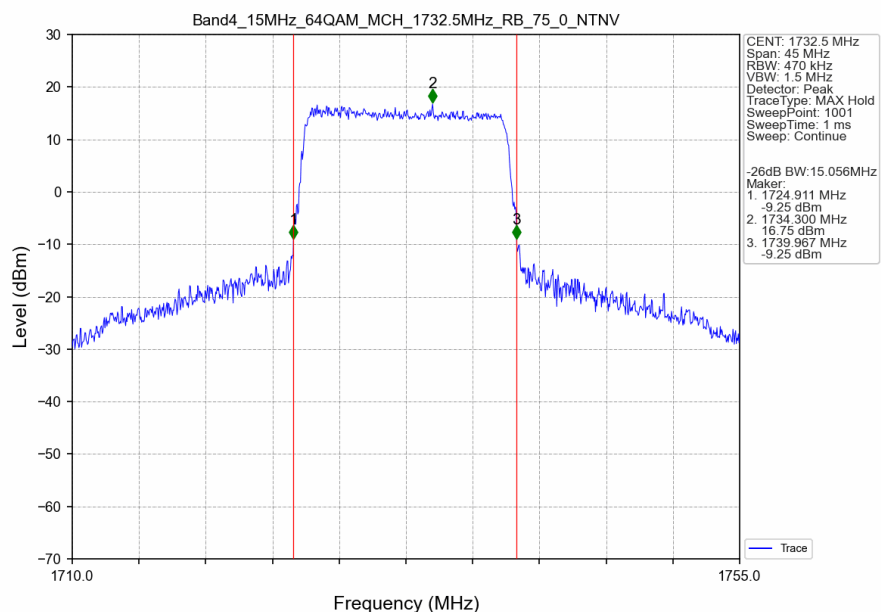
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



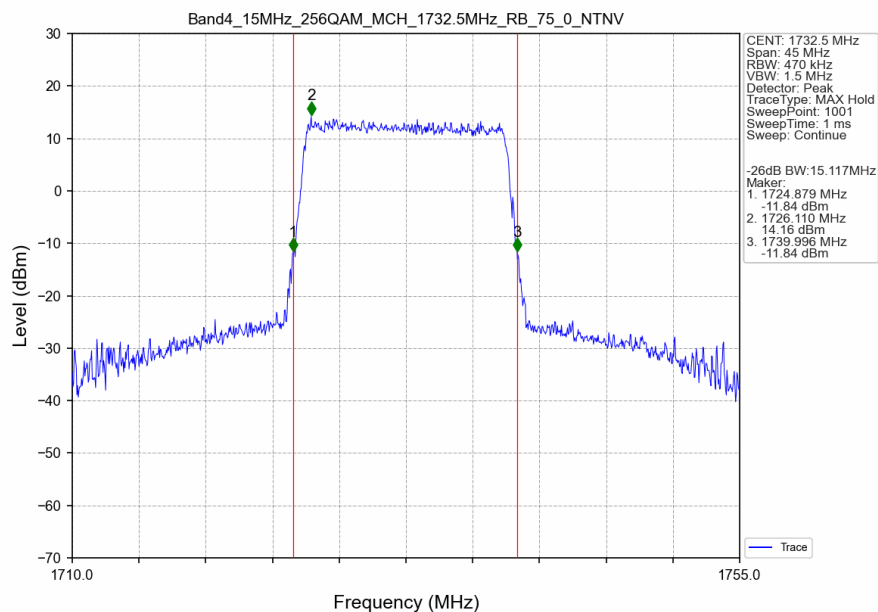
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



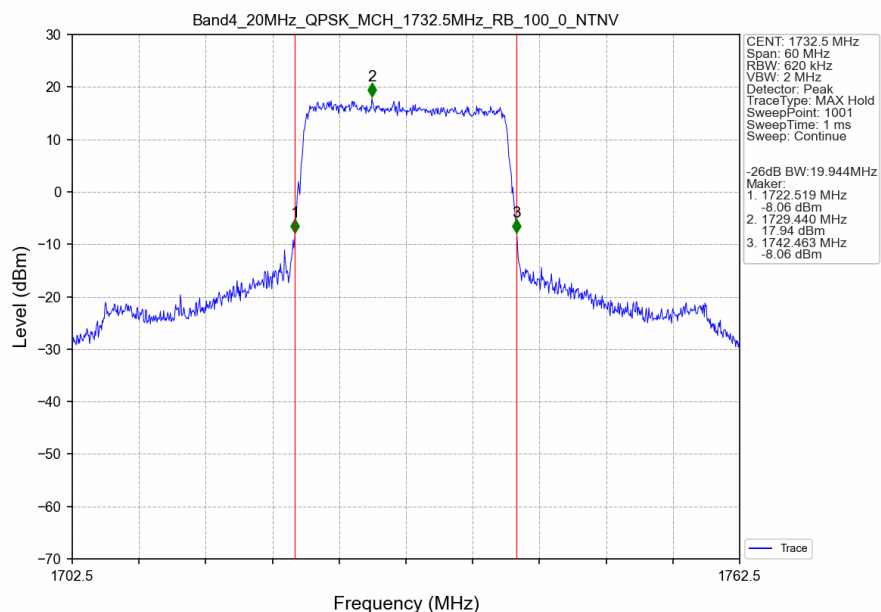
Band4\_15MHz\_64QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



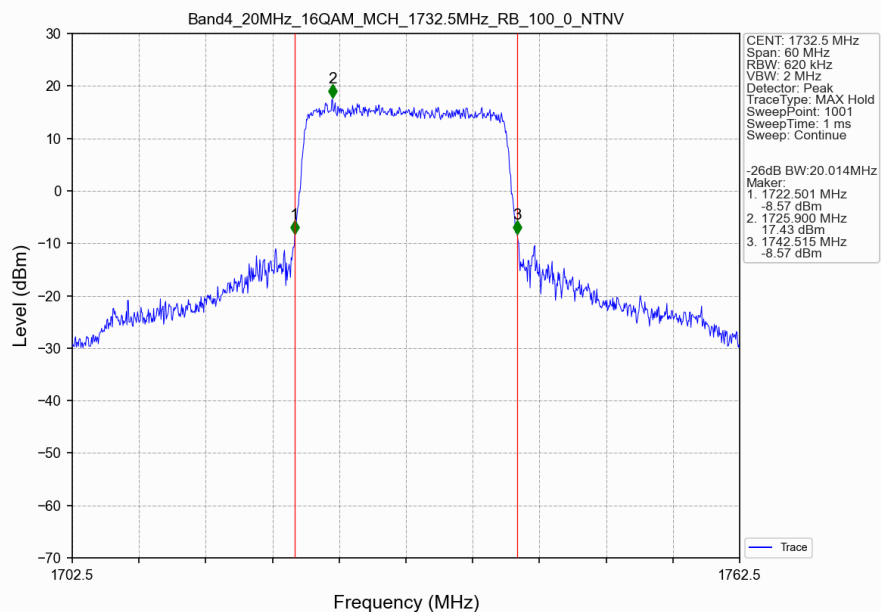
Band4\_15MHz\_256QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



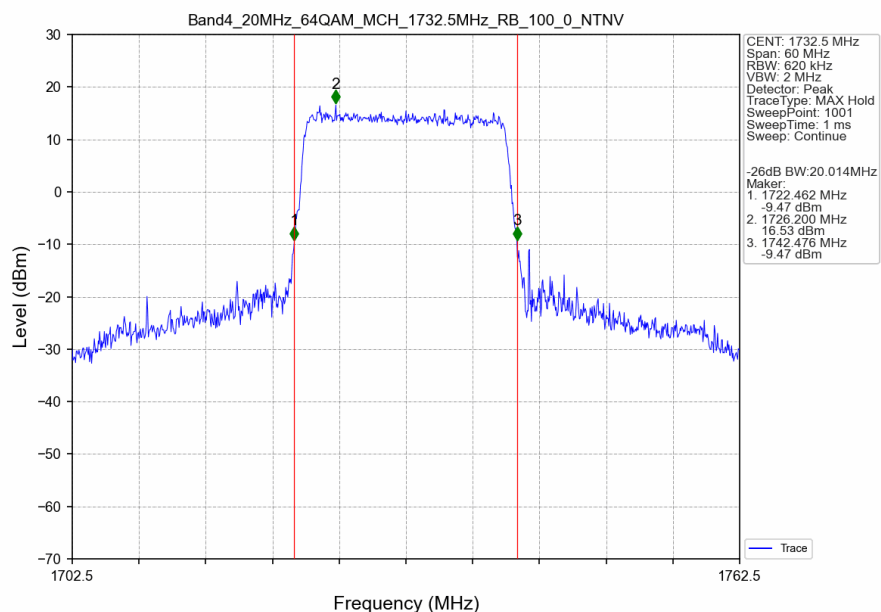
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



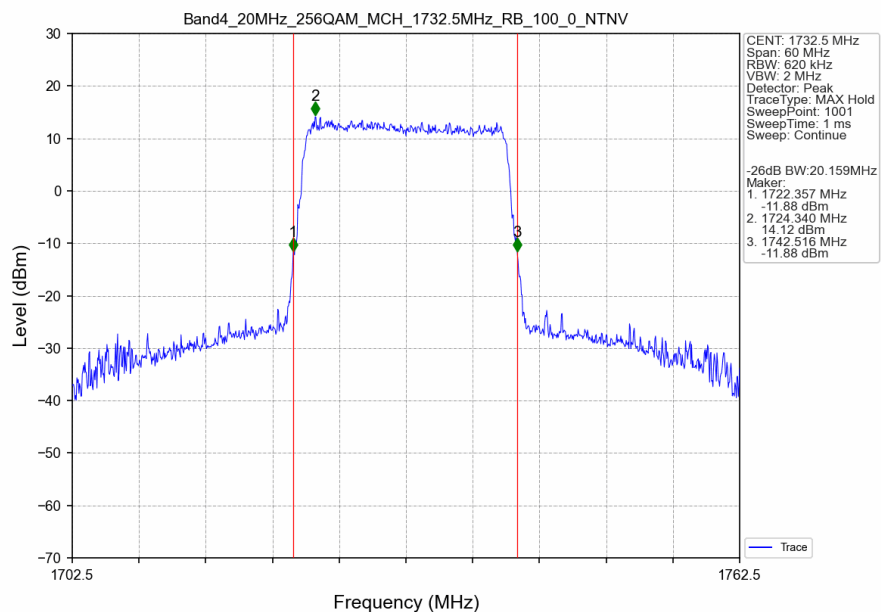
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_256QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV





## 4. Peak-Average Ratio

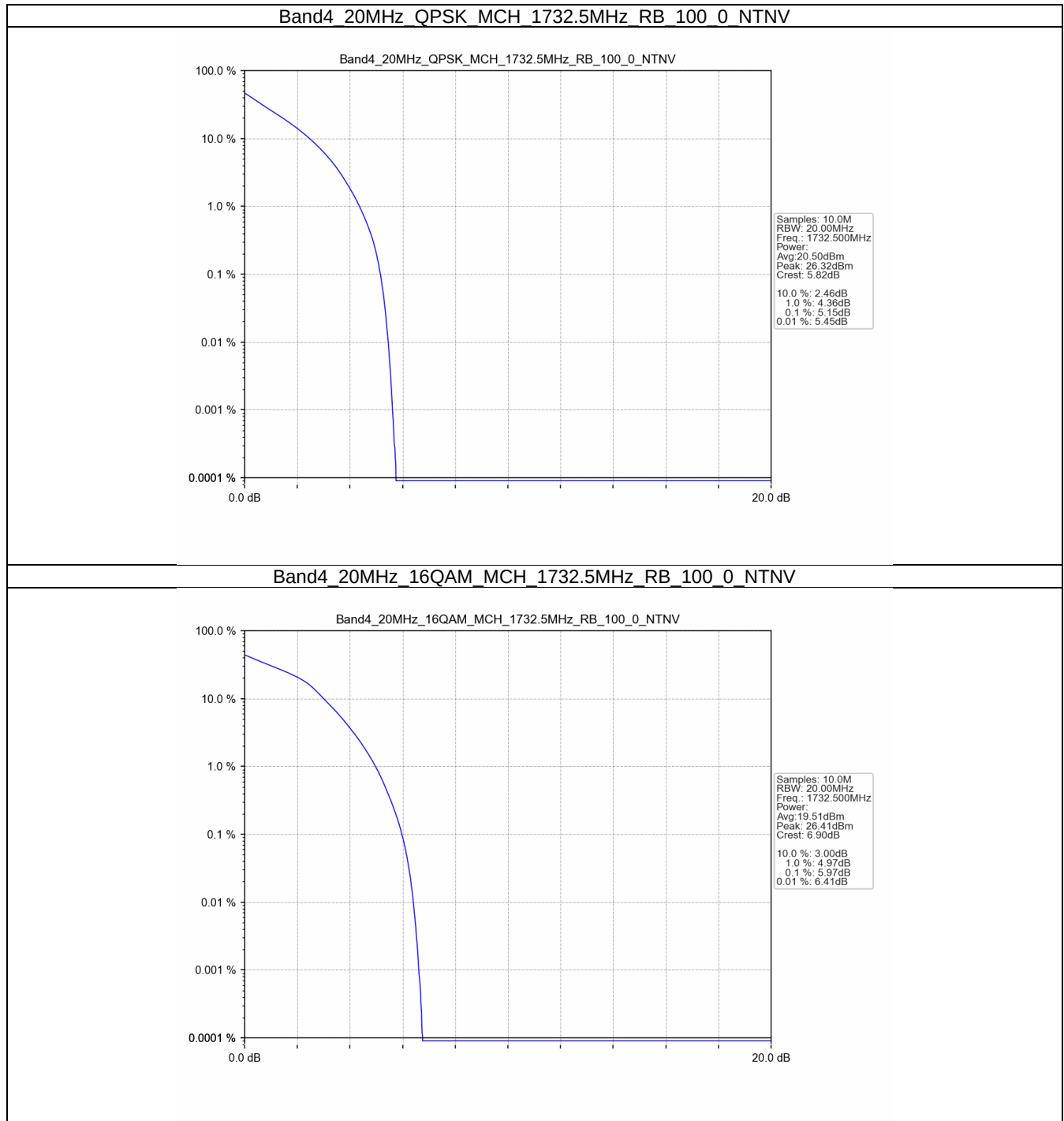
### 4.1 Test Result

#### 4.1.1 B4\_20MHz

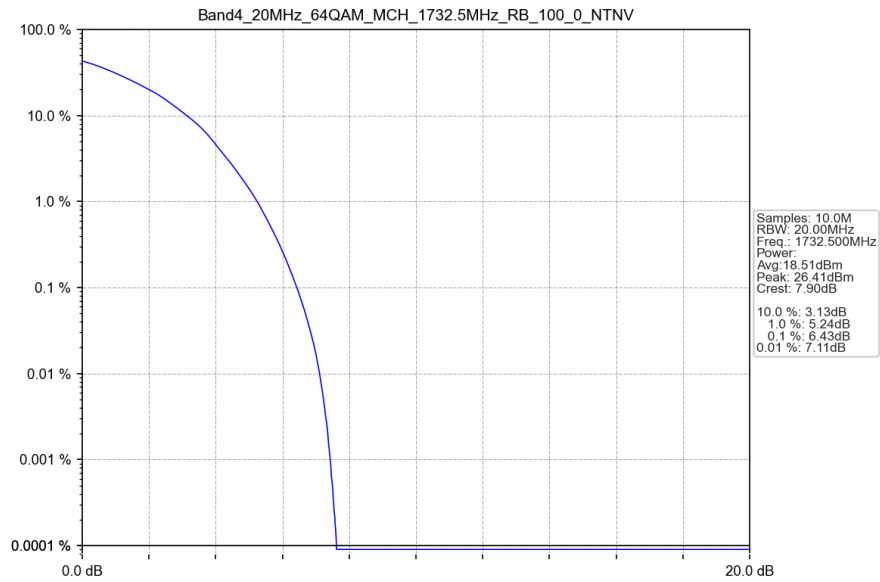
| Band: 4 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|-----------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1732.5             | 100           | 0      | 5.15                    | <=13  | Pass    |
| 16QAM                             | 1732.5             | 100           | 0      | 5.97                    | <=13  | Pass    |
| 64QAM                             | 1732.5             | 100           | 0      | 6.43                    | <=13  | Pass    |
| 256QAM                            | 1732.5             | 100           | 0      | 7.56                    | <=13  | Pass    |

## 4.2 Test Graph

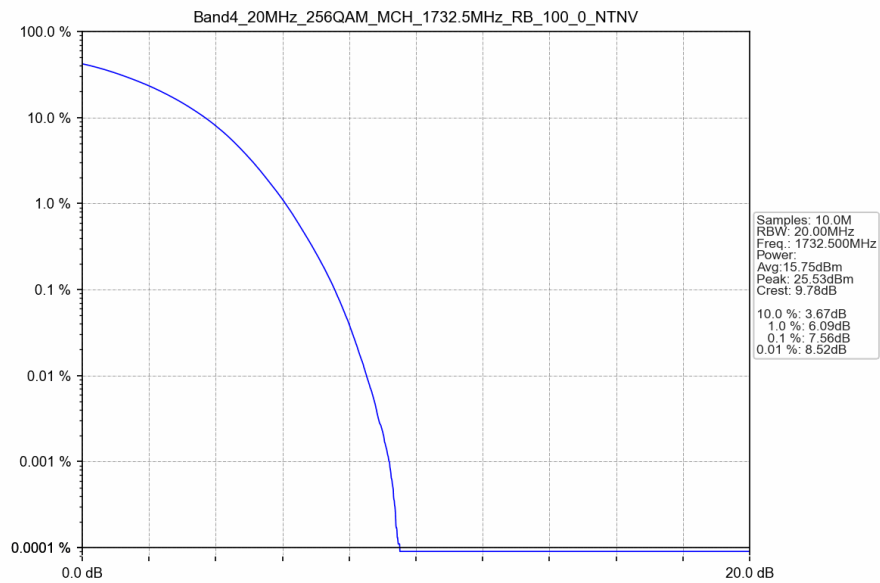
### 4.2.1 B4\_20MHz



Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_256QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B4\_1.4MHz

| Band: 4 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 1710.7          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1754.3          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 5      | Refer To Test Graph |       | Pass    |
|                                    |                 | 6             | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B4\_3MHz

| Band: 4 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 1711.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 1753.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                  |                 | 15            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 B4\_5MHz

| Band: 4 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 1712.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 1752.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.4 B4\_10MHz

| Band: 4 / Bandwidth: 10MHz / NTV |                 |               |        |                     |                     |         |
|----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |                     | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit               |         |
| QPSK                             | 1715            | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |                     | Pass    |
|                                  | 1732.5          | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 1750          | 1      | 0                   | Refer To Test Graph |         |
|                                  | 49              |               |        | Refer To Test Graph |                     | Pass    |
|                                  | 50              |               | 0      | Refer To Test Graph |                     | Pass    |

#### 5.1.5 B4\_15MHz

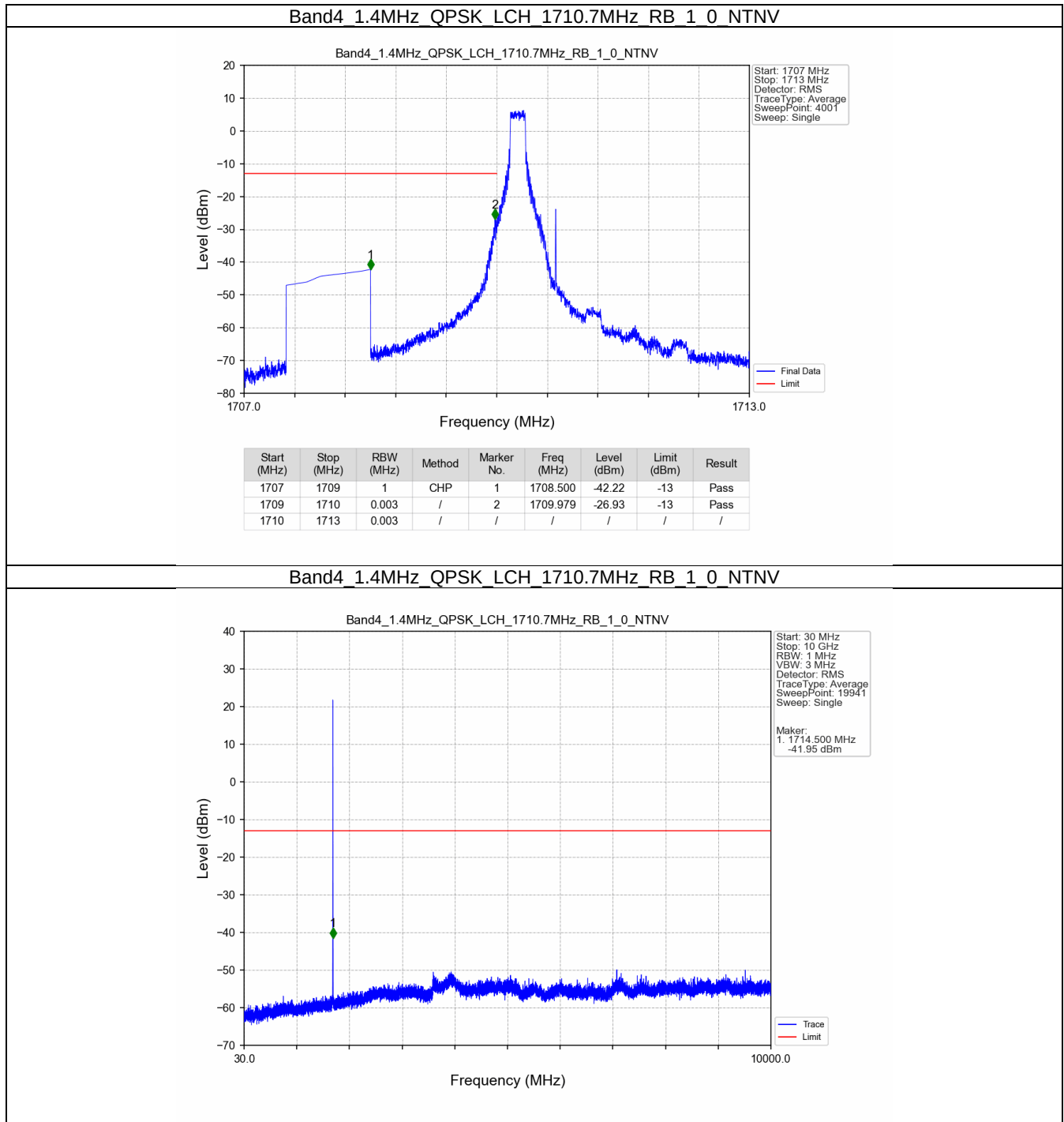
| Band: 4 / Bandwidth: 15MHz / NTV |                 |               |        |                     |                     |         |
|----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |                     | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit               |         |
| QPSK                             | 1717.5          | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 75            | 0      | Refer To Test Graph |                     | Pass    |
|                                  | 1732.5          | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 1747.5        | 1      | 0                   | Refer To Test Graph |         |
|                                  | 74              |               |        | Refer To Test Graph |                     | Pass    |
|                                  | 75              |               | 0      | Refer To Test Graph |                     | Pass    |

#### 5.1.6 B4\_20MHz

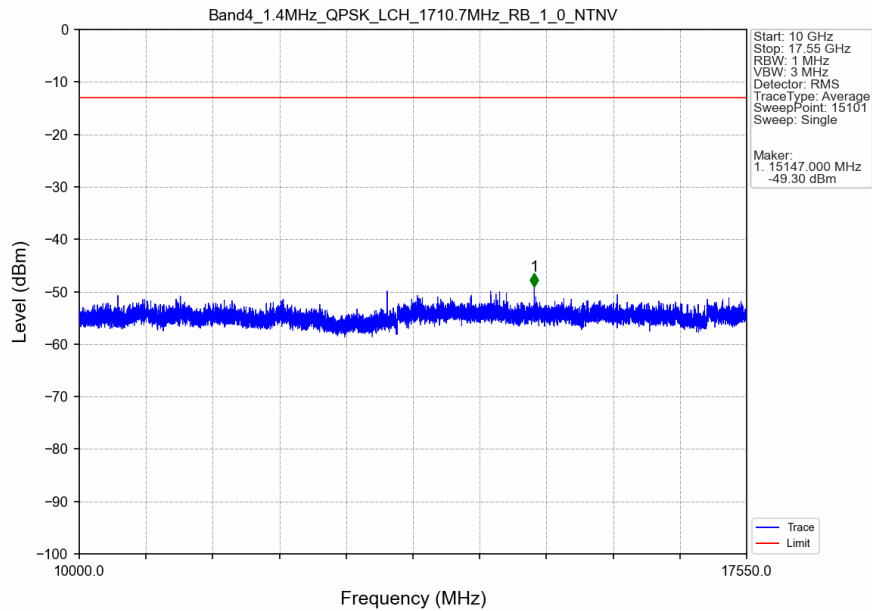
| Band: 4 / Bandwidth: 20MHz / NTV |                 |               |        |                     |                     |         |
|----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |                     | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit               |         |
| QPSK                             | 1720            | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |                     | Pass    |
|                                  | 1732.5          | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 1745          | 1      | 0                   | Refer To Test Graph |         |
|                                  | 99              |               |        | Refer To Test Graph |                     | Pass    |
|                                  | 100             |               | 0      | Refer To Test Graph |                     | Pass    |

## 5.2 Test Graph

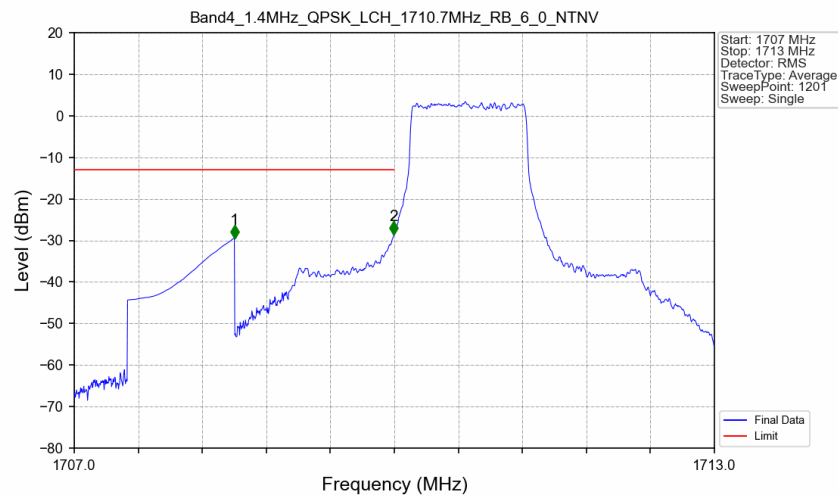
### 5.2.1 B4\_1.4MHz



## Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

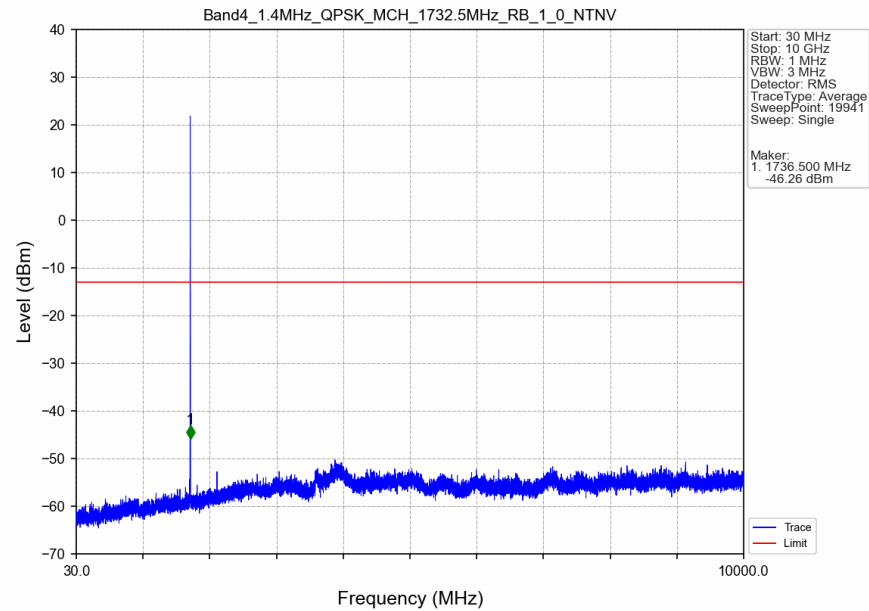


## Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

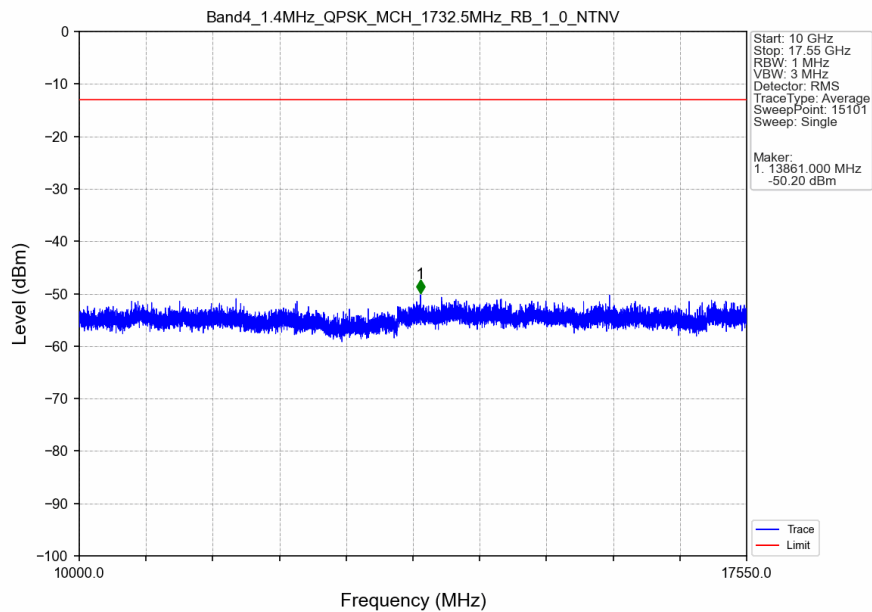


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1708.500   | -29.43      | -13         | Pass   |
| 1709        | 1710       | 0.014     | CHP    | 2          | 1709.995   | -28.61      | -13         | Pass   |
| 1710        | 1713       | 0.014     | CHP    | /          | /          | /           | /           | /      |

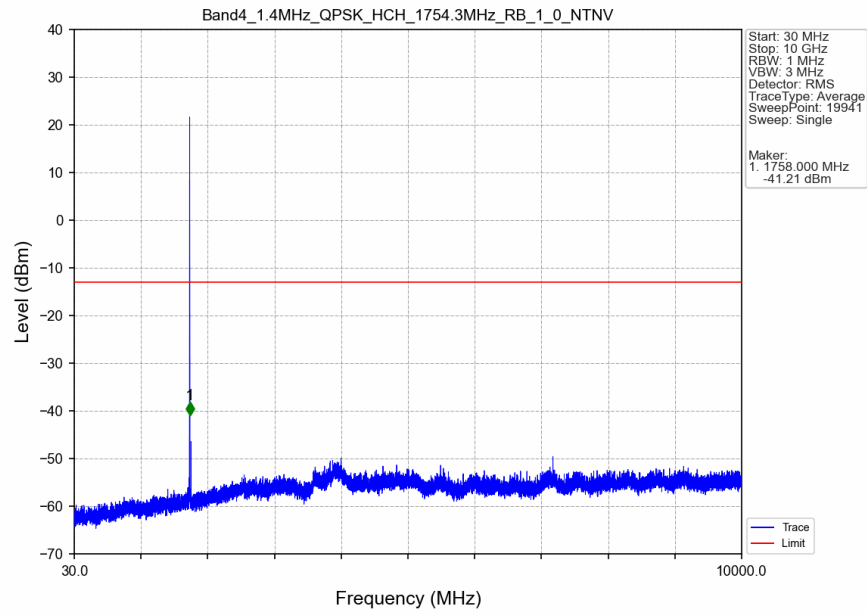
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



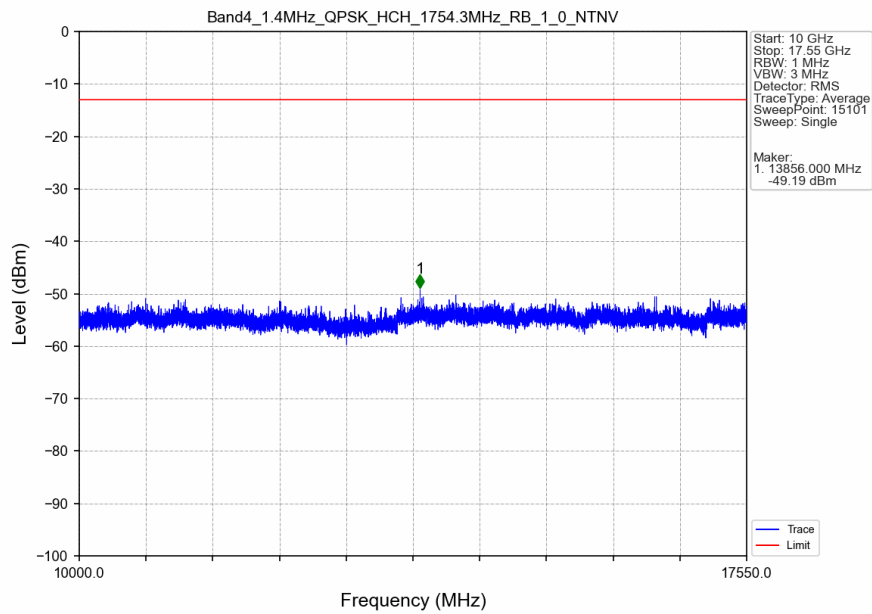
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



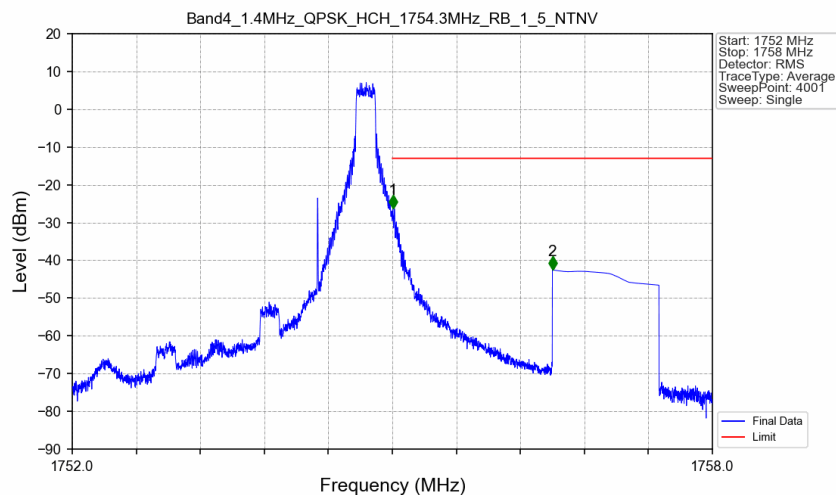
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV

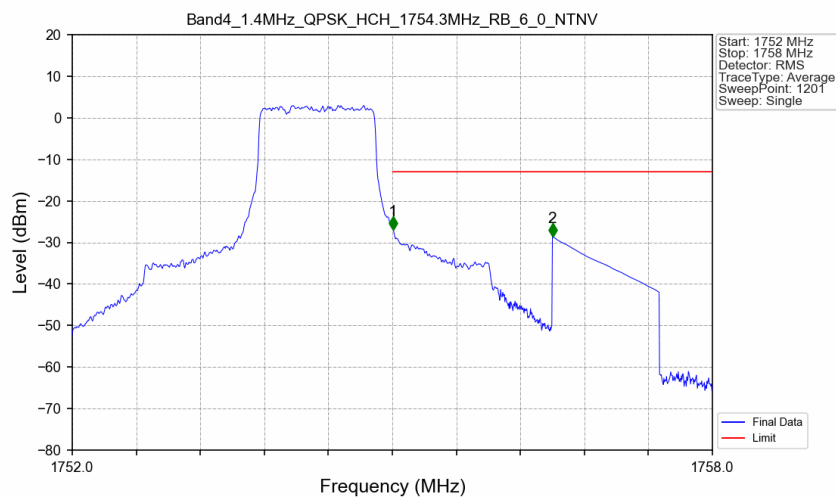


## Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.005   | -26.31      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -42.50      | -13         | Pass   |

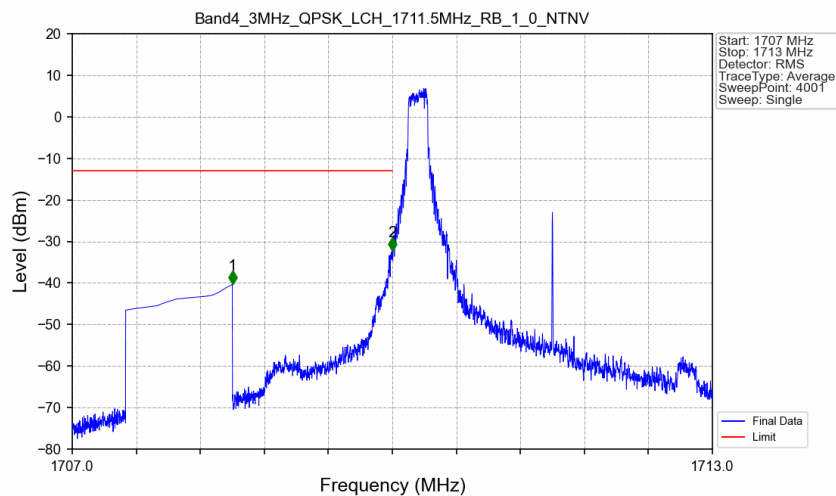
## Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



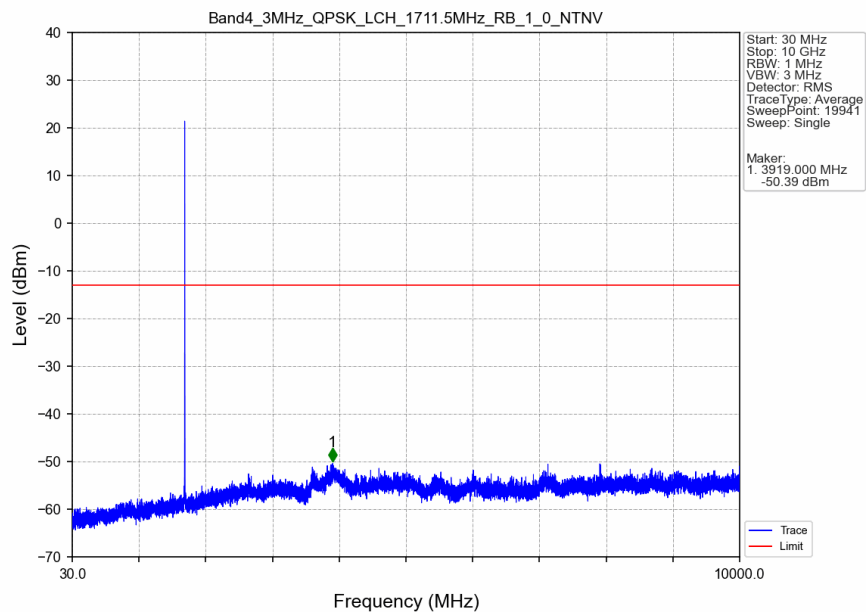
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.014     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.014     | CHP    | 1          | 1755.005   | -26.88      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -28.61      | -13         | Pass   |

### 5.2.2 B4\_3MHz

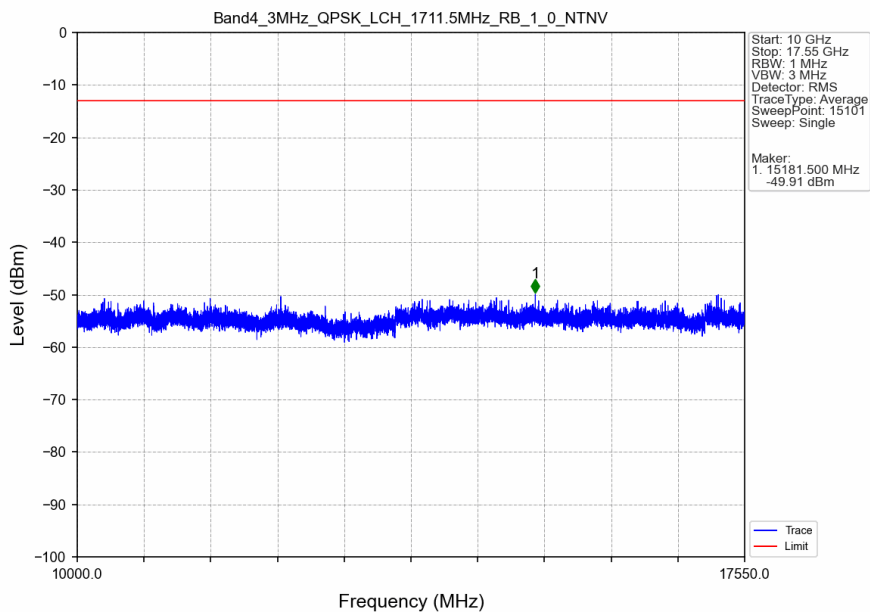
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN



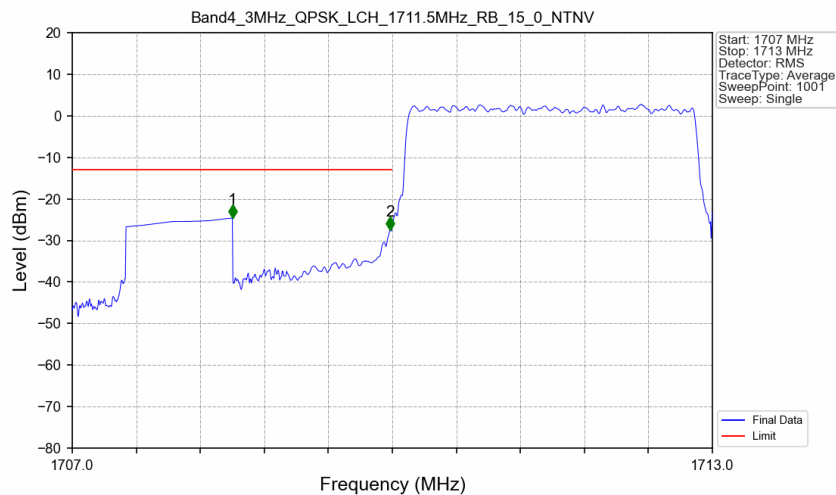
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN



## Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

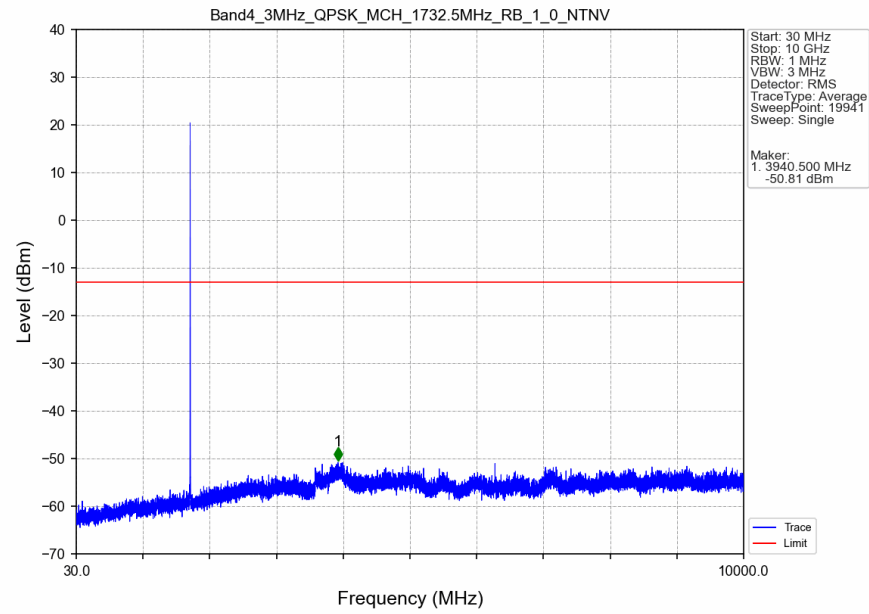


## Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

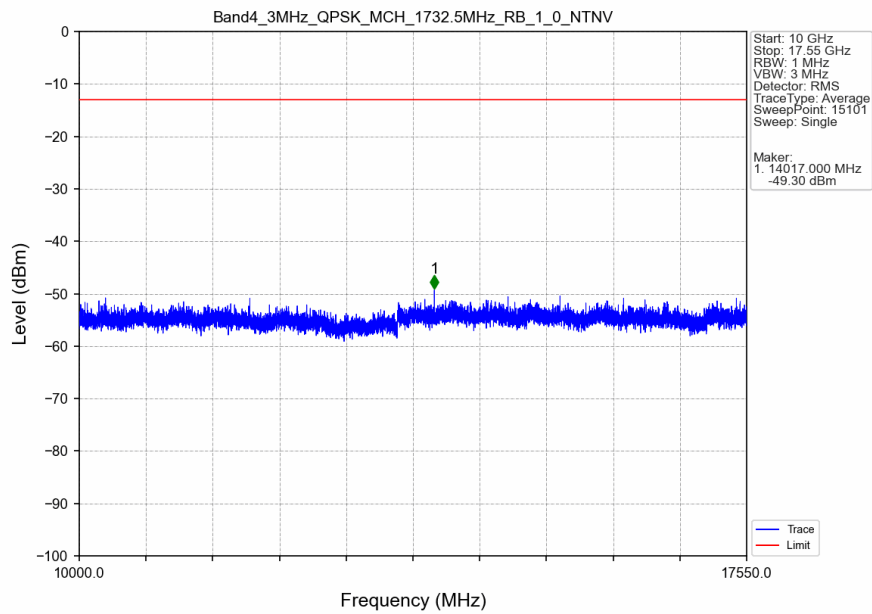


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1708.500   | -24.64      | -13         | Pass   |
| 1709        | 1710       | 0.031     | CHP    | 2          | 1709.982   | -27.46      | -13         | Pass   |
| 1710        | 1713       | 0.031     | CHP    | /          | /          | /           | /           | /      |

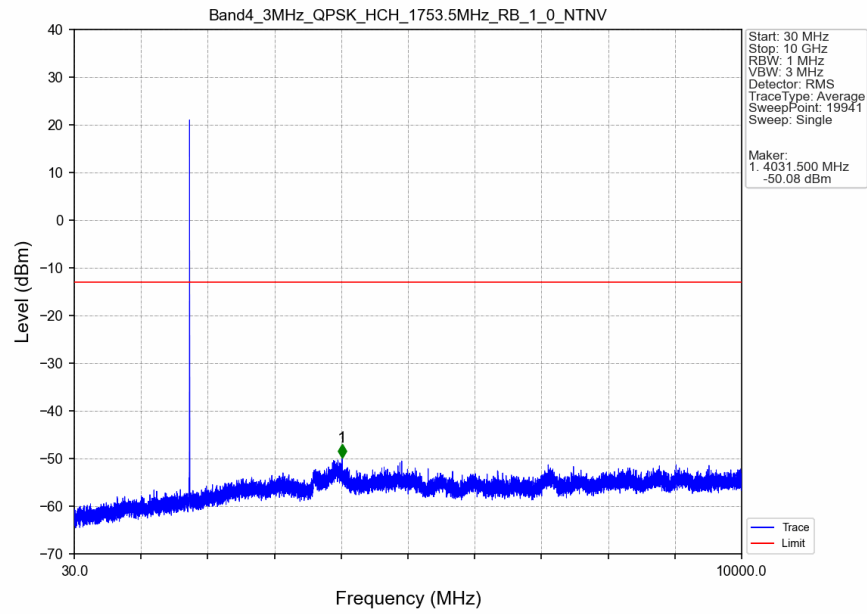
## Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



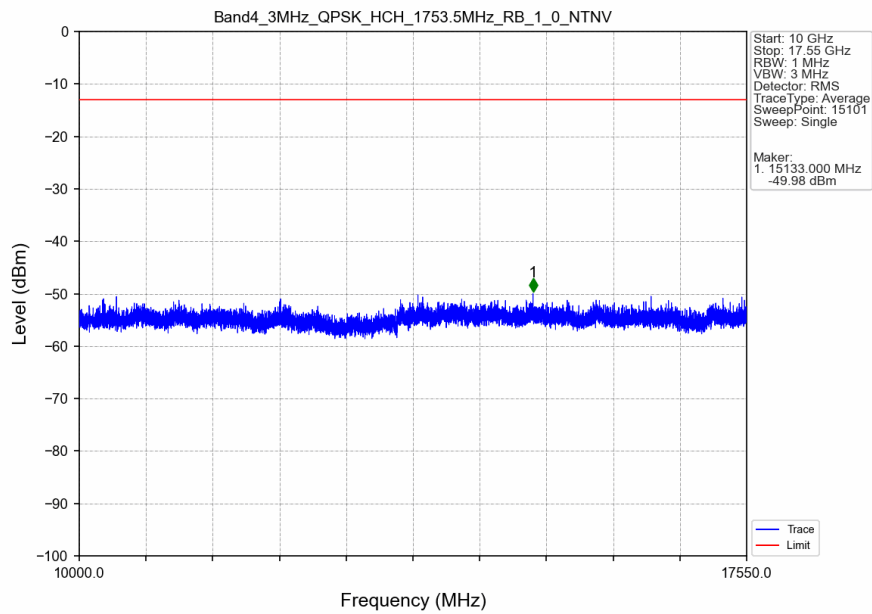
## Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



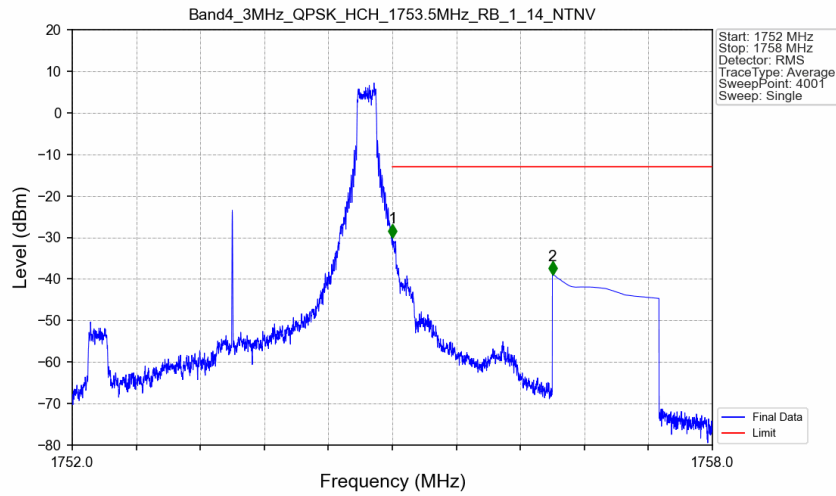
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV

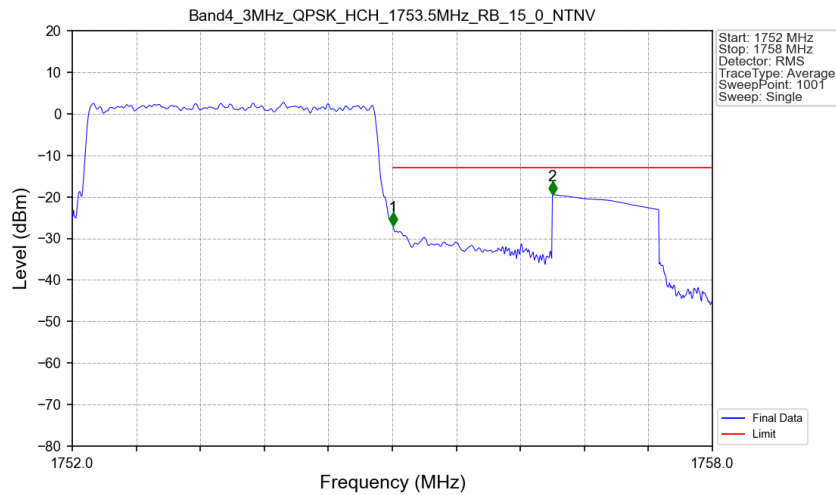


## Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



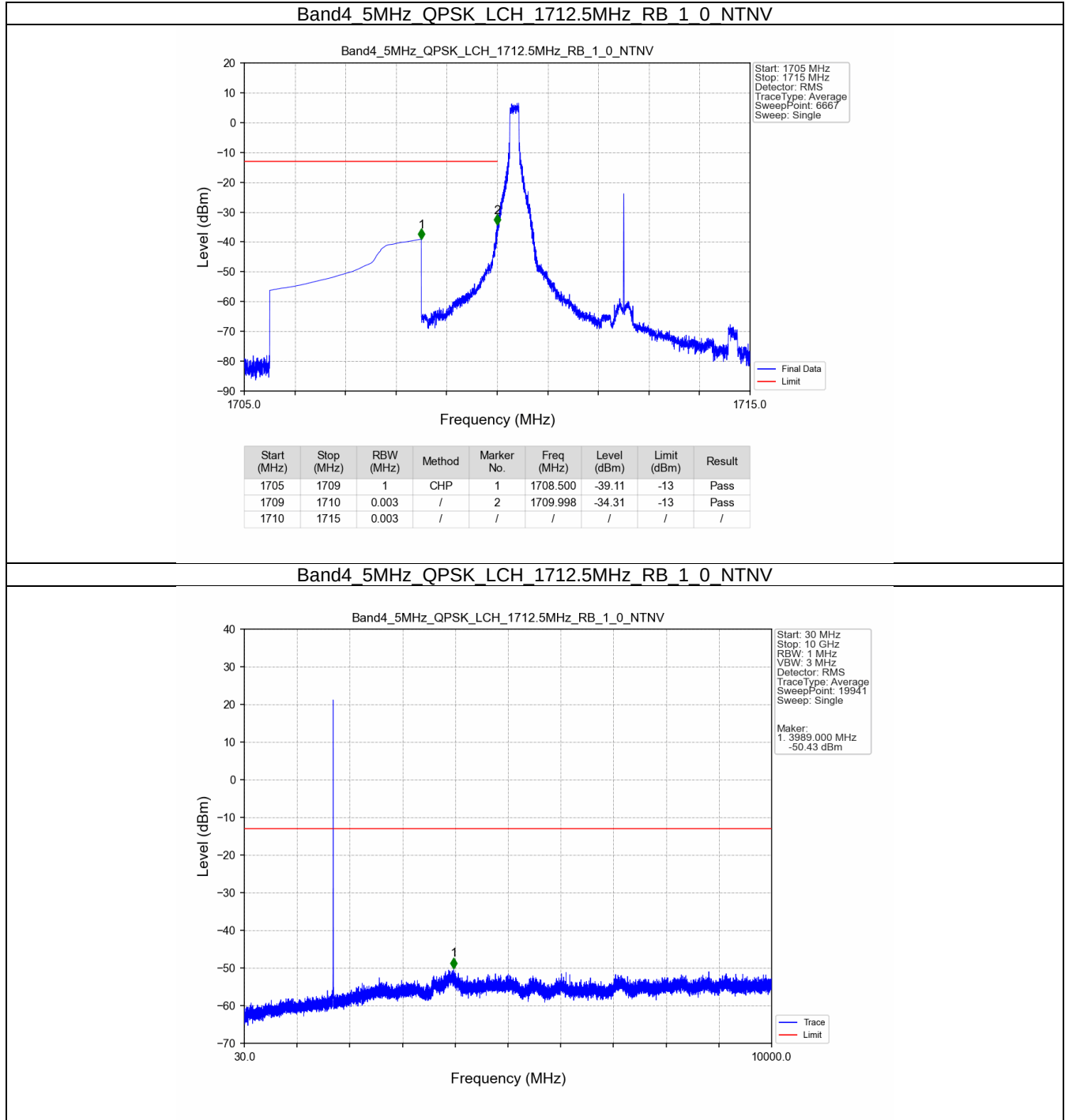
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.002   | -29.94      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -38.90      | -13         | Pass   |

## Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

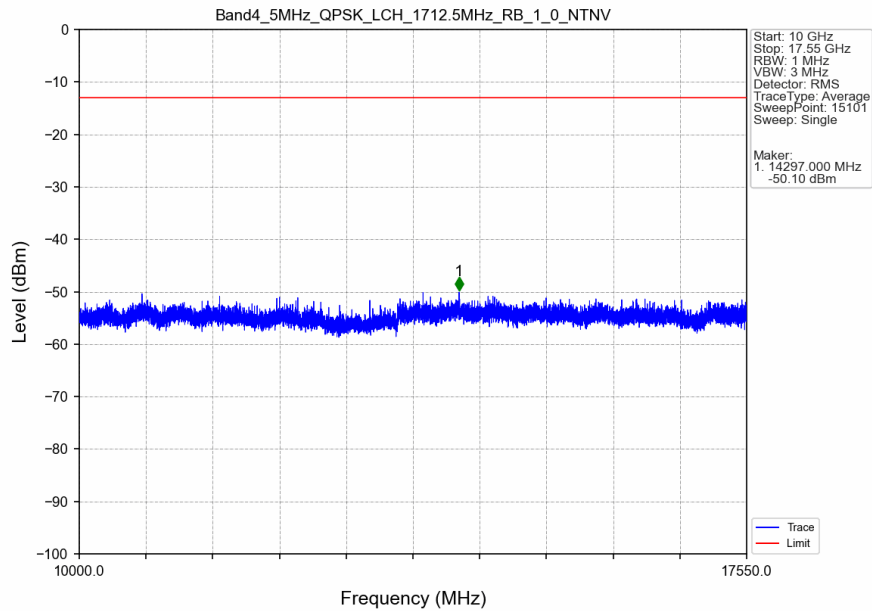


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.031     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.031     | CHP    | 1          | 1755.006   | -26.94      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -19.42      | -13         | Pass   |

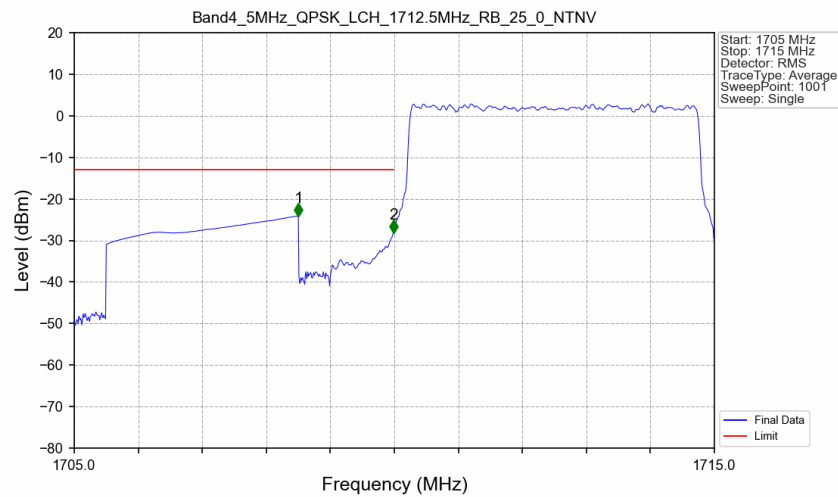
### 5.2.3 B4\_5MHz



## Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

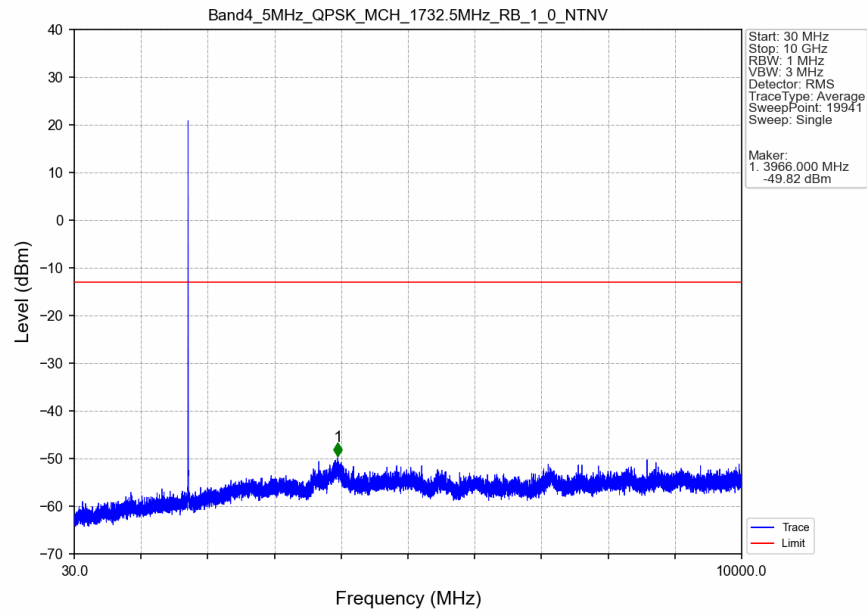


## Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

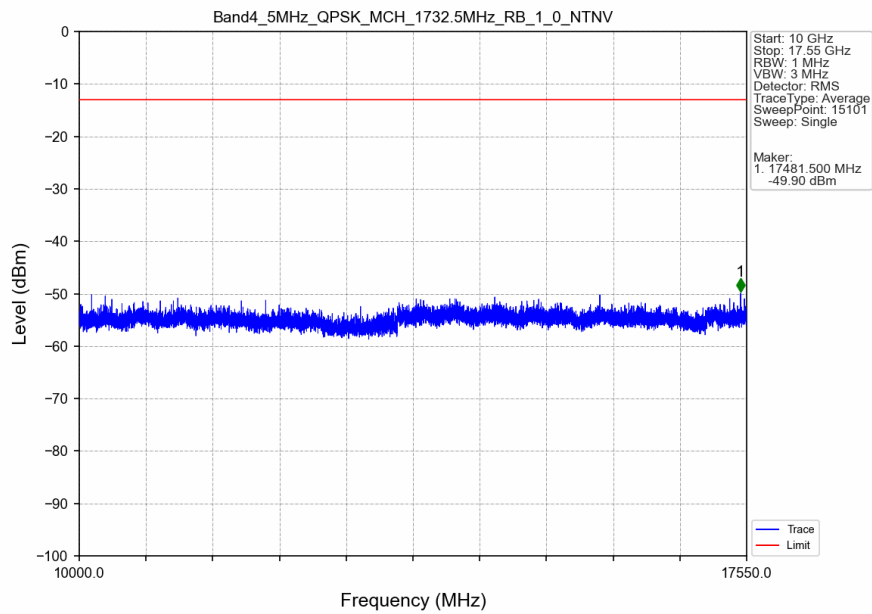


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1705        | 1709       | 1         | CHP    | 1          | 1708.500   | -24.18      | -13         | Pass   |
| 1709        | 1710       | 0.053     | CHP    | 2          | 1709.990   | -28.26      | -13         | Pass   |
| 1710        | 1715       | 0.053     | CHP    | /          | /          | /           | /           | /      |

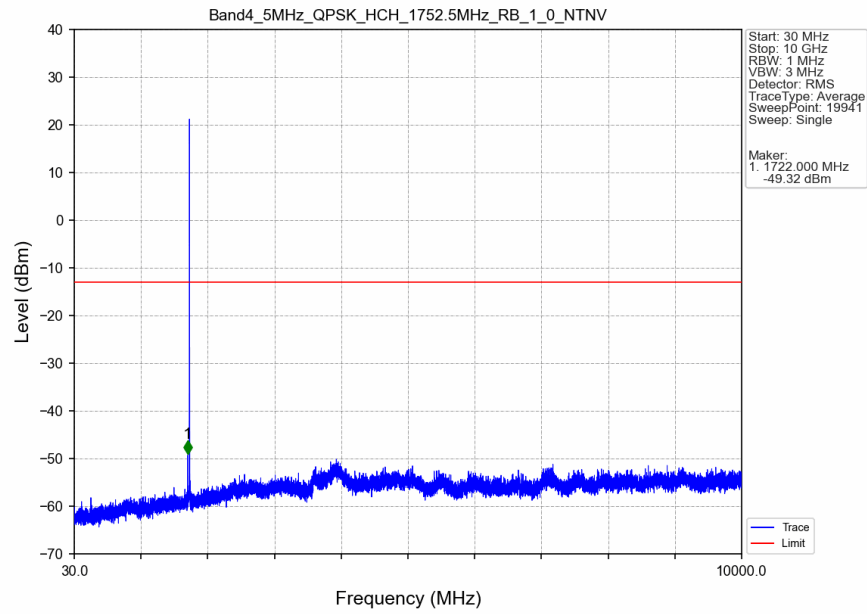
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



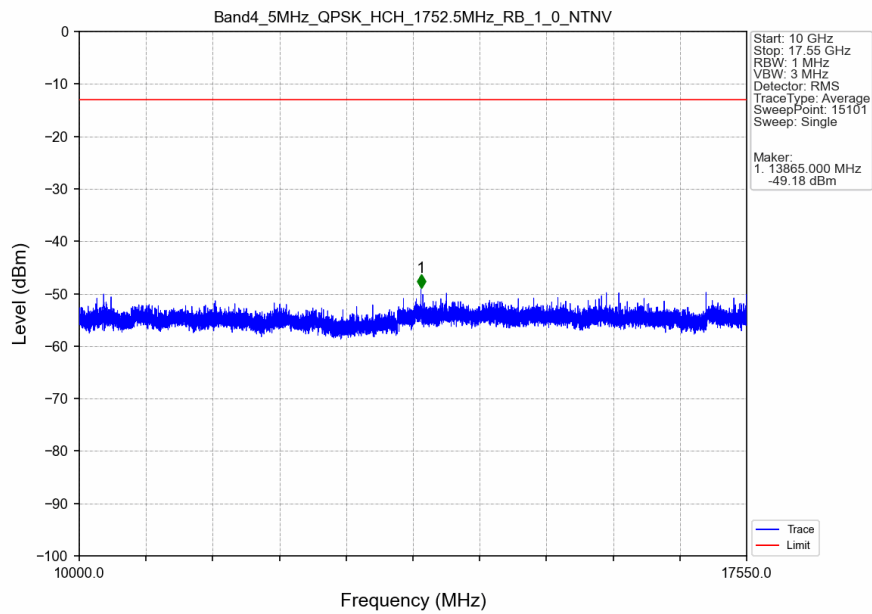
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



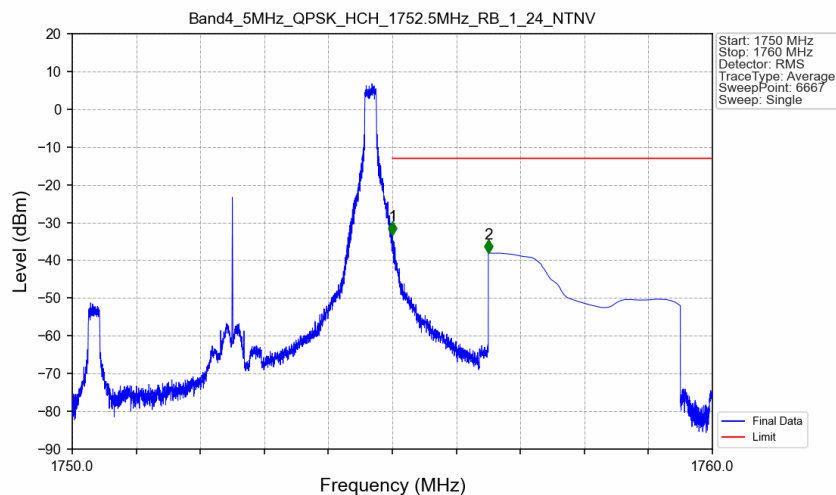
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



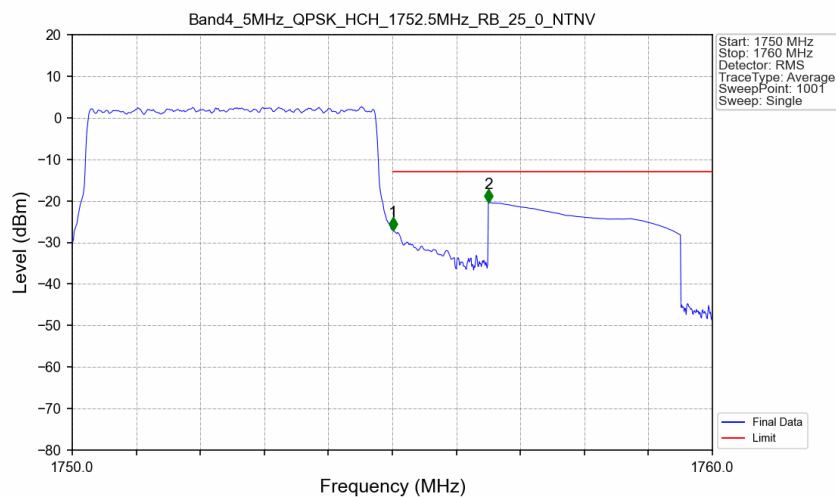
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



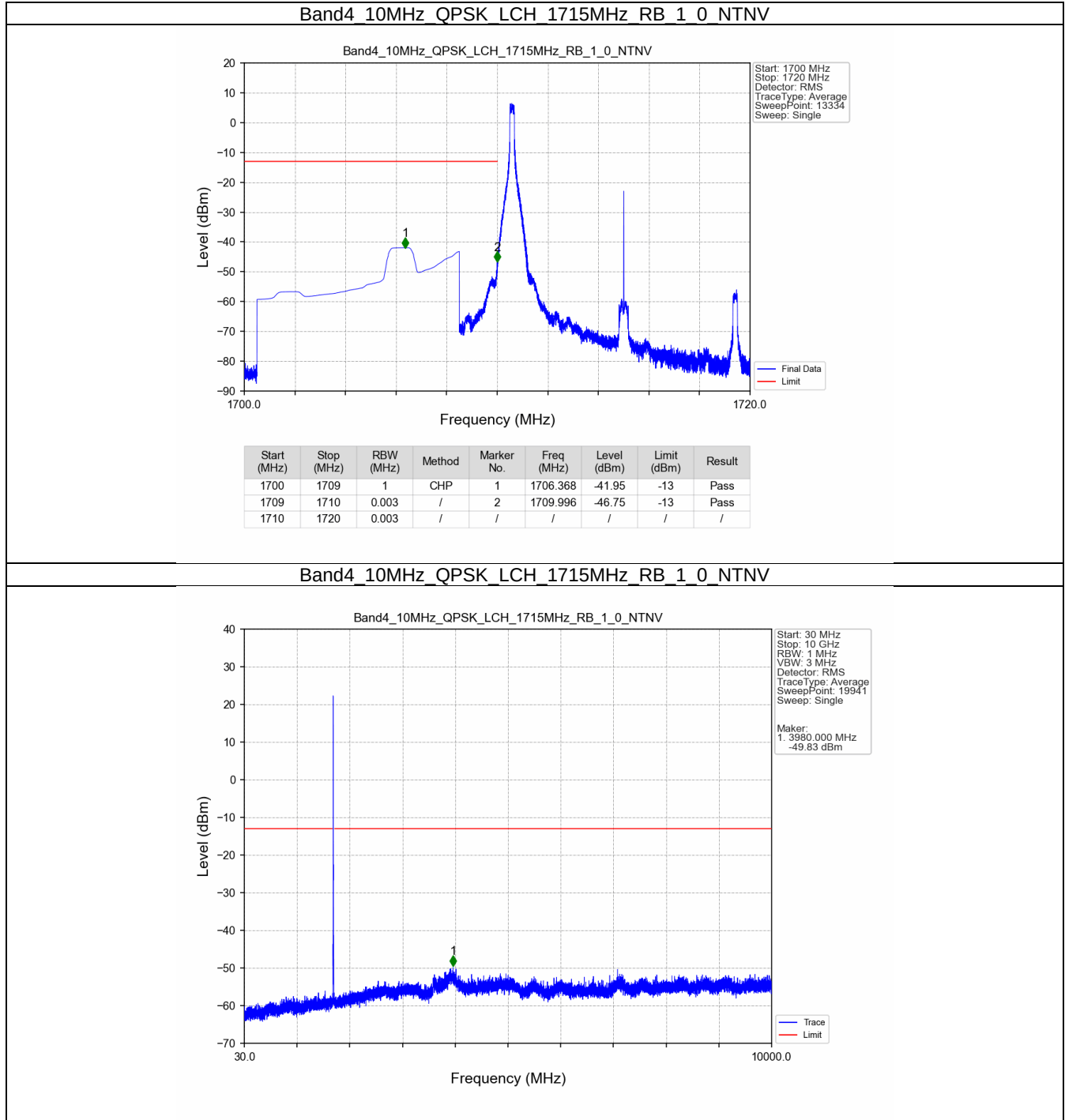
## Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



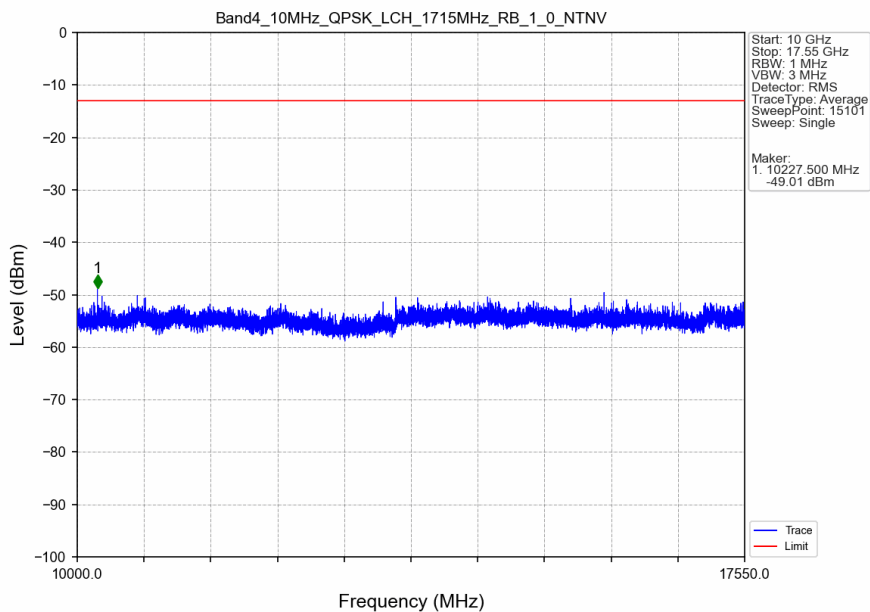
## Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



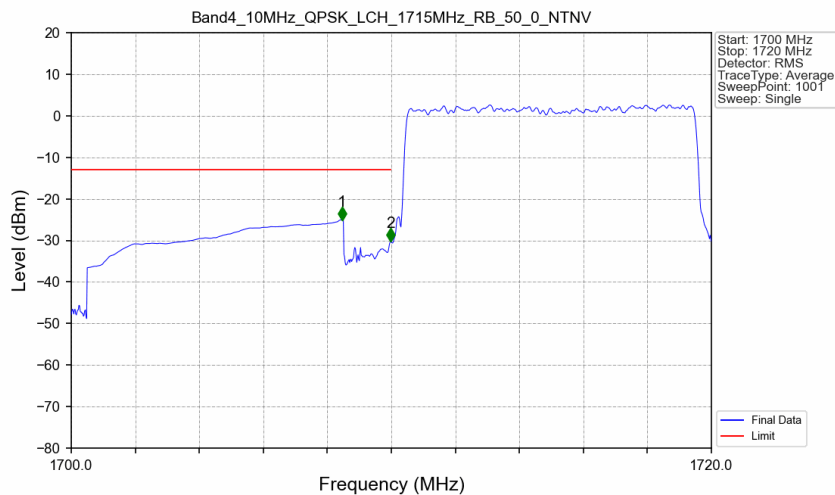
## 5.2.4 B4\_10MHz



## Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_1\_0\_NTNV

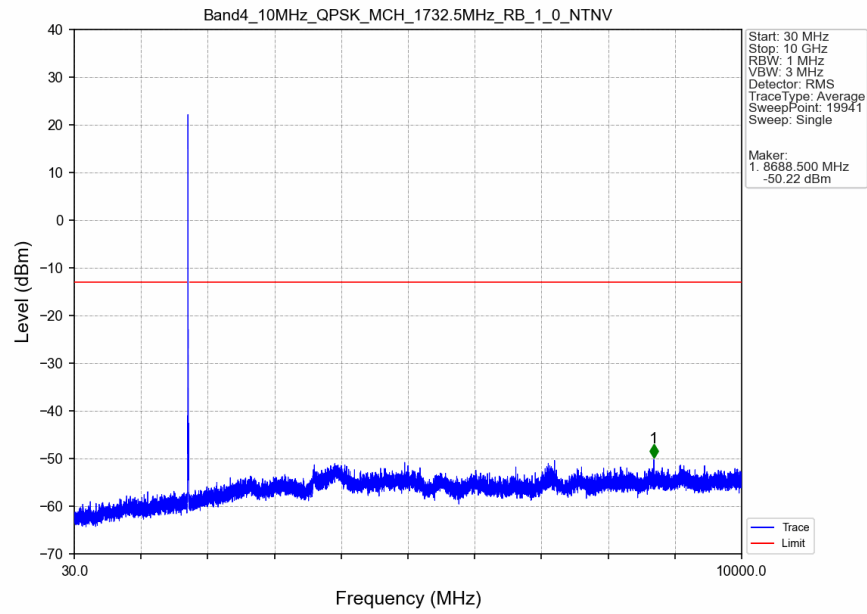


## Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV

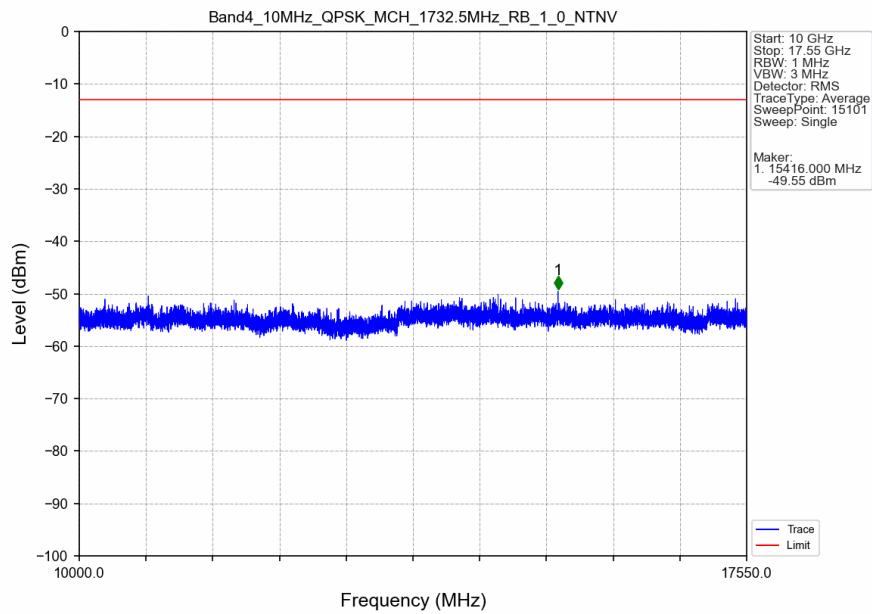


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1700        | 1709       | 1         | CHP    | 1          | 1708.460   | -25.05      | -13         | Pass   |
| 1709        | 1710       | 0.102     | CHP    | 2          | 1709.980   | -30.29      | -13         | Pass   |
| 1710        | 1720       | 0.102     | CHP    | /          | /          | /           | /           | /      |

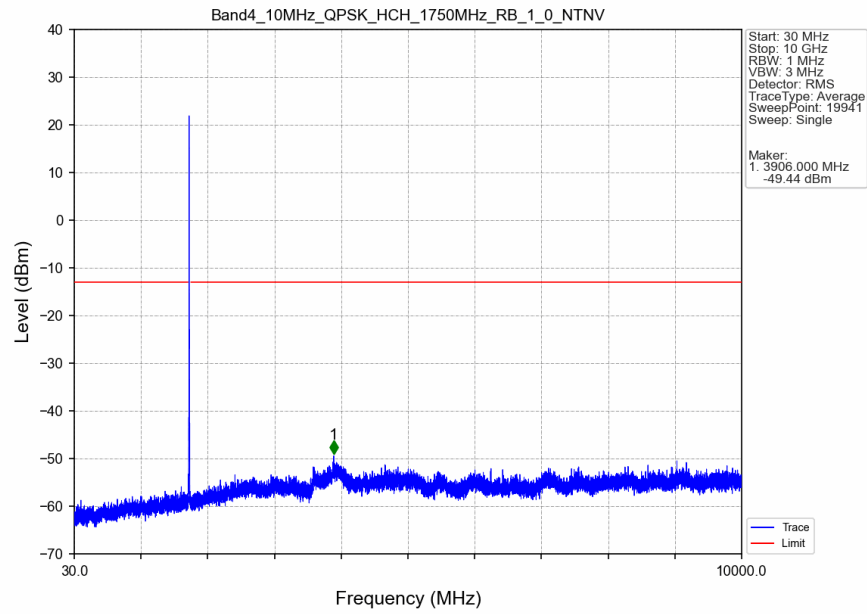
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



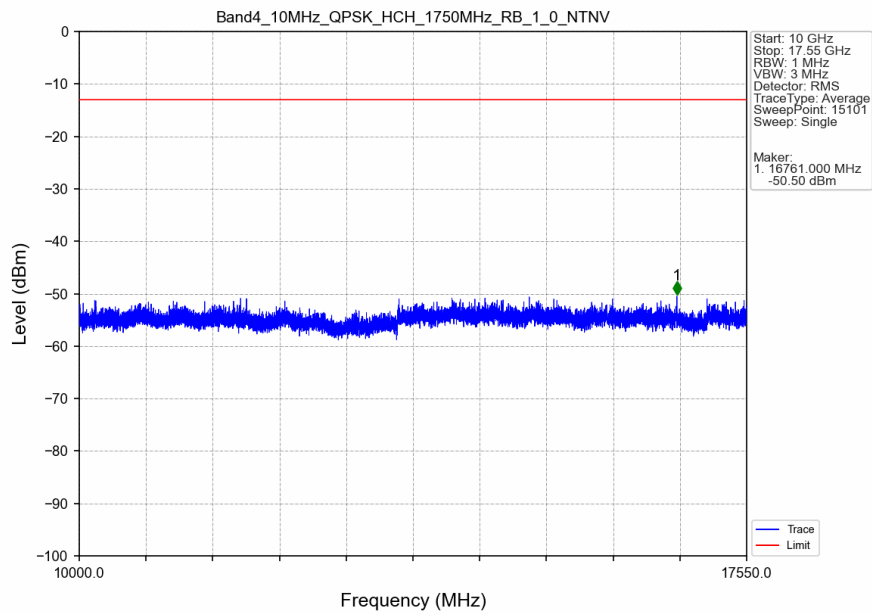
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



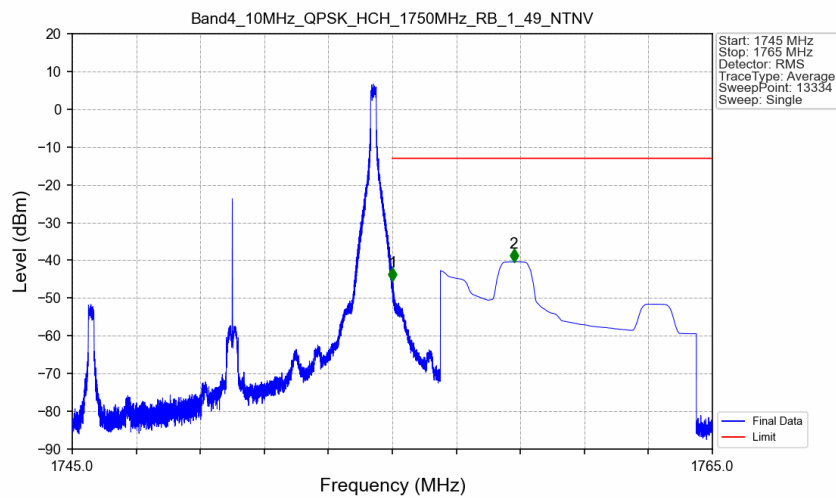
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV

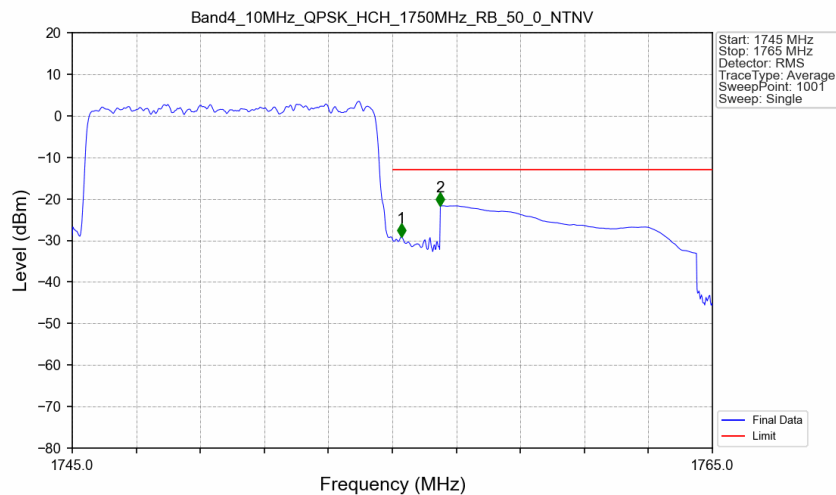


## Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_49\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1745        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.004   | -45.52      | -13         | Pass   |
| 1756        | 1765       | 1         | CHP    | 2          | 1758.797   | -40.43      | -13         | Pass   |

## Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1745        | 1755       | 0.102     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.102     | CHP    | 1          | 1755.280   | -29.16      | -13         | Pass   |
| 1756        | 1765       | 1         | CHP    | 2          | 1756.500   | -21.66      | -13         | Pass   |

### 5.2.5 B4\_15MHz

