

# 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      | 23.62                 | 3.00       | 26.62      | <=30  | Pass    |
|                                    |                 |               | 2      | 23.56                 | 3.00       | 26.56      | <=30  | Pass    |
|                                    |                 |               | 5      | 23.51                 | 3.00       | 26.51      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 23.32                 | 3.00       | 26.32      | <=30  | Pass    |
|                                    |                 |               | 2      | 23.73                 | 3.00       | 26.73      | <=30  | Pass    |
|                                    |                 |               | 3      | 23.55                 | 3.00       | 26.55      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 22.74                 | 3.00       | 25.74      | <=30  | Pass    |
|                                    | 1732.5          | 1             | 0      | 23.38                 | 3.00       | 26.38      | <=30  | Pass    |
|                                    |                 |               | 2      | 23.63                 | 3.00       | 26.63      | <=30  | Pass    |
|                                    |                 |               | 5      | 23.56                 | 3.00       | 26.56      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 23.56                 | 3.00       | 26.56      | <=30  | Pass    |
|                                    |                 |               | 2      | 23.49                 | 3.00       | 26.49      | <=30  | Pass    |
|                                    |                 |               | 3      | 23.23                 | 3.00       | 26.23      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 22.80                 | 3.00       | 25.80      | <=30  | Pass    |
|                                    | 1754.3          | 1             | 0      | 23.49                 | 3.00       | 26.49      | <=30  | Pass    |
|                                    |                 |               | 2      | 23.44                 | 3.00       | 26.44      | <=30  | Pass    |
|                                    |                 |               | 5      | 23.71                 | 3.00       | 26.71      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 23.26                 | 3.00       | 26.26      | <=30  | Pass    |
|                                    |                 |               | 2      | 23.81                 | 3.00       | 26.81      | <=30  | Pass    |
|                                    |                 |               | 3      | 23.60                 | 3.00       | 26.60      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 22.75                 | 3.00       | 25.75      | <=30  | Pass    |
| 16QAM                              | 1710.7          | 1             | 0      | 23.03                 | 3.00       | 26.03      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.33                 | 3.00       | 25.33      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.66                 | 3.00       | 25.66      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.84                 | 3.00       | 25.84      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.78                 | 3.00       | 25.78      | <=30  | Pass    |
|                                    |                 |               | 3      | 22.66                 | 3.00       | 25.66      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 21.84                 | 3.00       | 24.84      | <=30  | Pass    |
|                                    | 1732.5          | 1             | 0      | 23.25                 | 3.00       | 26.25      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.92                 | 3.00       | 25.92      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.79                 | 3.00       | 25.79      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.19                 | 3.00       | 25.19      | <=30  | Pass    |
|                                    |                 |               | 3      | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 21.86                 | 3.00       | 24.86      | <=30  | Pass    |
|                                    | 1754.3          | 1             | 0      | 22.76                 | 3.00       | 25.76      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.85                 | 3.00       | 25.85      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.40                 | 3.00       | 25.40      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.68                 | 3.00       | 25.68      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.57                 | 3.00       | 25.57      | <=30  | Pass    |
|                                    |                 |               | 3      | 22.35                 | 3.00       | 25.35      | <=30  | Pass    |
|                                    |                 | 6             | 0      | 21.35                 | 3.00       | 24.35      | <=30  | Pass    |
| 64QAM                              | 1710.7          | 1             | 0      | 22.55                 | 3.00       | 25.55      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.72                 | 3.00       | 25.72      | <=30  | Pass    |
|                                    |                 |               | 5      | 22.73                 | 3.00       | 25.73      | <=30  | Pass    |
|                                    |                 | 3             | 0      | 22.72                 | 3.00       | 25.72      | <=30  | Pass    |
|                                    |                 |               | 2      | 22.62                 | 3.00       | 25.62      | <=30  | Pass    |

|  |                                          |   |       |       |       |       |      |      |
|--|------------------------------------------|---|-------|-------|-------|-------|------|------|
|  |                                          |   | 3     | 22.82 | 3.00  | 25.82 | <=30 | Pass |
|  |                                          | 6 | 0     | 21.74 | 3.00  | 24.74 | <=30 | Pass |
|  | 1732.5                                   | 1 | 0     | 22.71 | 3.00  | 25.71 | <=30 | Pass |
|  |                                          |   | 2     | 22.93 | 3.00  | 25.93 | <=30 | Pass |
|  |                                          |   | 5     | 22.67 | 3.00  | 25.67 | <=30 | Pass |
|  |                                          | 3 | 0     | 22.76 | 3.00  | 25.76 | <=30 | Pass |
|  |                                          |   | 2     | 22.82 | 3.00  | 25.82 | <=30 | Pass |
|  |                                          |   | 3     | 22.57 | 3.00  | 25.57 | <=30 | Pass |
|  |                                          | 6 | 0     | 21.63 | 3.00  | 24.63 | <=30 | Pass |
|  | 1754.3                                   | 1 | 0     | 22.63 | 3.00  | 25.63 | <=30 | Pass |
|  |                                          |   | 2     | 22.44 | 3.00  | 25.44 | <=30 | Pass |
|  |                                          |   | 5     | 22.76 | 3.00  | 25.76 | <=30 | Pass |
|  |                                          | 3 | 0     | 22.84 | 3.00  | 25.84 | <=30 | Pass |
|  |                                          |   | 2     | 22.54 | 3.00  | 25.54 | <=30 | Pass |
|  |                                          |   | 3     | 22.69 | 3.00  | 25.69 | <=30 | Pass |
|  | 6                                        | 0 | 21.72 | 3.00  | 24.72 | <=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      | 23.20                 | 3.00       | 26.20      | <=30  | Pass    |
|                                  |                 |               | 7      | 23.48                 | 3.00       | 26.48      | <=30  | Pass    |
|                                  |                 |               | 14     | 23.48                 | 3.00       | 26.48      | <=30  | Pass    |
|                                  |                 | 8             | 0      | 22.85                 | 3.00       | 25.85      | <=30  | Pass    |
|                                  |                 |               | 4      | 22.81                 | 3.00       | 25.81      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.84                 | 3.00       | 25.84      | <=30  | Pass    |
|                                  |                 | 15            | 0      | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 23.68                 | 3.00       | 26.68      | <=30  | Pass    |
|                                  |                 |               | 7      | 23.42                 | 3.00       | 26.42      | <=30  | Pass    |
|                                  |                 |               | 14     | 23.25                 | 3.00       | 26.25      | <=30  | Pass    |
|                                  |                 | 8             | 0      | 22.85                 | 3.00       | 25.85      | <=30  | Pass    |
|                                  |                 |               | 4      | 22.91                 | 3.00       | 25.91      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.84                 | 3.00       | 25.84      | <=30  | Pass    |
|                                  |                 | 15            | 0      | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |
|                                  | 1753.5          | 1             | 0      | 23.40                 | 3.00       | 26.40      | <=30  | Pass    |
|                                  |                 |               | 7      | 23.34                 | 3.00       | 26.34      | <=30  | Pass    |
|                                  |                 |               | 14     | 23.16                 | 3.00       | 26.16      | <=30  | Pass    |
|                                  |                 | 8             | 0      | 22.75                 | 3.00       | 25.75      | <=30  | Pass    |
|                                  |                 |               | 4      | 22.79                 | 3.00       | 25.79      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.82                 | 3.00       | 25.82      | <=30  | Pass    |
|                                  |                 | 15            | 0      | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |
| 16QAM                            | 1711.5          | 1             | 0      | 23.23                 | 3.00       | 26.23      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.69                 | 3.00       | 25.69      | <=30  | Pass    |
|                                  |                 |               | 14     | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                  |                 | 8             | 0      | 21.76                 | 3.00       | 24.76      | <=30  | Pass    |
|                                  |                 |               | 4      | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                  |                 |               | 7      | 21.94                 | 3.00       | 24.94      | <=30  | Pass    |
|                                  |                 | 15            | 0      | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 23.07                 | 3.00       | 26.07      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.88                 | 3.00       | 25.88      | <=30  | Pass    |
|                                  |                 |               | 14     | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |
|                                  |                 | 8             | 0      | 21.98                 | 3.00       | 24.98      | <=30  | Pass    |
|                                  |                 |               | 4      | 21.92                 | 3.00       | 24.92      | <=30  | Pass    |
|                                  |                 |               | 7      | 22.04                 | 3.00       | 25.04      | <=30  | Pass    |

|                                          |        |        |    |       |       |       |       |      |
|------------------------------------------|--------|--------|----|-------|-------|-------|-------|------|
|                                          |        | 15     | 0  | 21.90 | 3.00  | 24.90 | <=30  | Pass |
|                                          | 1753.5 | 1      | 0  | 22.66 | 3.00  | 25.66 | <=30  | Pass |
|                                          |        |        | 7  | 23.11 | 3.00  | 26.11 | <=30  | Pass |
|                                          |        |        | 14 | 22.81 | 3.00  | 25.81 | <=30  | Pass |
|                                          |        |        | 0  | 21.56 | 3.00  | 24.56 | <=30  | Pass |
|                                          |        | 8      | 4  | 21.88 | 3.00  | 24.88 | <=30  | Pass |
|                                          |        |        | 7  | 21.64 | 3.00  | 24.64 | <=30  | Pass |
|                                          |        |        | 15 | 0     | 21.82 | 3.00  | 24.82 | <=30 |
| 64QAM                                    |        | 1711.5 | 1  | 0     | 22.03 | 3.00  | 25.03 | <=30 |
|                                          | 7      |        |    | 22.83 | 3.00  | 25.83 | <=30  | Pass |
|                                          | 14     |        |    | 21.75 | 3.00  | 24.75 | <=30  | Pass |
|                                          | 8      |        | 0  | 21.80 | 3.00  | 24.80 | <=30  | Pass |
|                                          |        |        | 4  | 21.90 | 3.00  | 24.90 | <=30  | Pass |
|                                          |        |        | 7  | 21.82 | 3.00  | 24.82 | <=30  | Pass |
|                                          |        |        | 15 | 0     | 21.80 | 3.00  | 24.80 | <=30 |
|                                          | 1732.5 |        | 1  | 0     | 22.81 | 3.00  | 25.81 | <=30 |
|                                          |        | 7      |    | 22.93 | 3.00  | 25.93 | <=30  | Pass |
|                                          |        | 14     |    | 22.59 | 3.00  | 25.59 | <=30  | Pass |
|                                          |        | 8      | 0  | 21.81 | 3.00  | 24.81 | <=30  | Pass |
|                                          |        |        | 4  | 21.84 | 3.00  | 24.84 | <=30  | Pass |
|                                          |        |        | 7  | 21.85 | 3.00  | 24.85 | <=30  | Pass |
|                                          |        | 15     | 0  | 21.79 | 3.00  | 24.79 | <=30  | Pass |
|                                          | 1753.5 | 1      | 0  | 22.15 | 3.00  | 25.15 | <=30  | Pass |
|                                          |        |        | 7  | 22.19 | 3.00  | 25.19 | <=30  | Pass |
|                                          |        |        | 14 | 22.68 | 3.00  | 25.68 | <=30  | Pass |
|                                          |        | 8      | 0  | 21.73 | 3.00  | 24.73 | <=30  | Pass |
|                                          |        |        | 4  | 21.84 | 3.00  | 24.84 | <=30  | Pass |
|                                          |        |        | 7  | 21.86 | 3.00  | 24.86 | <=30  | Pass |
|                                          |        | 15     | 0  | 21.82 | 3.00  | 24.82 | <=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      | 23.26                 | 3.00       | 26.26      | <=30  | Pass    |
|                                  |                 |               | 13     | 23.33                 | 3.00       | 26.33      | <=30  | Pass    |
|                                  |                 |               | 24     | 23.93                 | 3.00       | 26.93      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 22.72                 | 3.00       | 25.72      | <=30  | Pass    |
|                                  |                 |               | 6      | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 22.80                 | 3.00       | 25.80      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 23.55                 | 3.00       | 26.55      | <=30  | Pass    |
|                                  |                 |               | 13     | 23.54                 | 3.00       | 26.54      | <=30  | Pass    |
|                                  |                 |               | 24     | 23.85                 | 3.00       | 26.85      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 22.75                 | 3.00       | 25.75      | <=30  | Pass    |
|                                  |                 |               | 6      | 22.89                 | 3.00       | 25.89      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.86                 | 3.00       | 25.86      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 22.85                 | 3.00       | 25.85      | <=30  | Pass    |
|                                  | 1752.5          | 1             | 0      | 23.85                 | 3.00       | 26.85      | <=30  | Pass    |
|                                  |                 |               | 13     | 23.34                 | 3.00       | 26.34      | <=30  | Pass    |
|                                  |                 |               | 24     | 23.25                 | 3.00       | 26.25      | <=30  | Pass    |
|                                  |                 | 12            | 0      | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |
|                                  |                 |               | 6      | 22.79                 | 3.00       | 25.79      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.13                 | 3.00       | 25.13      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |

|       |        |        |    |       |       |       |       |      |      |
|-------|--------|--------|----|-------|-------|-------|-------|------|------|
| 16QAM | 1712.5 | 1      | 0  | 22.30 | 3.00  | 25.30 | <=30  | Pass |      |
|       |        |        | 13 | 23.11 | 3.00  | 26.11 | <=30  | Pass |      |
|       |        |        | 24 | 22.68 | 3.00  | 25.68 | <=30  | Pass |      |
|       |        | 12     | 0  | 21.62 | 3.00  | 24.62 | <=30  | Pass |      |
|       |        |        | 6  | 21.90 | 3.00  | 24.90 | <=30  | Pass |      |
|       |        |        | 13 | 21.96 | 3.00  | 24.96 | <=30  | Pass |      |
|       |        | 25     | 0  | 21.93 | 3.00  | 24.93 | <=30  | Pass |      |
|       |        | 1732.5 | 1  | 0     | 23.21 | 3.00  | 26.21 | <=30 | Pass |
|       |        |        |    | 13    | 23.23 | 3.00  | 26.23 | <=30 | Pass |
|       | 24     |        |    | 23.02 | 3.00  | 26.02 | <=30  | Pass |      |
|       | 12     |        | 0  | 21.89 | 3.00  | 24.89 | <=30  | Pass |      |
|       |        |        | 6  | 21.93 | 3.00  | 24.93 | <=30  | Pass |      |
|       |        |        | 13 | 21.90 | 3.00  | 24.90 | <=30  | Pass |      |
|       | 25     |        | 0  | 21.82 | 3.00  | 24.82 | <=30  | Pass |      |
|       | 1752.5 |        | 1  | 0     | 22.62 | 3.00  | 25.62 | <=30 | Pass |
|       |        |        |    | 13    | 22.61 | 3.00  | 25.61 | <=30 | Pass |
|       |        | 24     |    | 22.94 | 3.00  | 25.94 | <=30  | Pass |      |
|       |        | 12     | 0  | 21.86 | 3.00  | 24.86 | <=30  | Pass |      |
|       |        |        | 6  | 21.86 | 3.00  | 24.86 | <=30  | Pass |      |
|       |        |        | 13 | 21.86 | 3.00  | 24.86 | <=30  | Pass |      |
|       |        | 25     | 0  | 21.83 | 3.00  | 24.83 | <=30  | Pass |      |

|       |        |        |    |       |       |       |       |      |      |
|-------|--------|--------|----|-------|-------|-------|-------|------|------|
| 64QAM | 1712.5 | 1      | 0  | 22.76 | 3.00  | 25.76 | <=30  | Pass |      |
|       |        |        | 13 | 22.83 | 3.00  | 25.83 | <=30  | Pass |      |
|       |        |        | 24 | 22.82 | 3.00  | 25.82 | <=30  | Pass |      |
|       |        | 12     | 0  | 21.71 | 3.00  | 24.71 | <=30  | Pass |      |
|       |        |        | 6  | 21.76 | 3.00  | 24.76 | <=30  | Pass |      |
|       |        |        | 13 | 21.49 | 3.00  | 24.49 | <=30  | Pass |      |
|       |        | 25     | 0  | 21.82 | 3.00  | 24.82 | <=30  | Pass |      |
|       |        | 1732.5 | 1  | 0     | 22.46 | 3.00  | 25.46 | <=30 | Pass |
|       |        |        |    | 13    | 22.67 | 3.00  | 25.67 | <=30 | Pass |
|       | 24     |        |    | 22.62 | 3.00  | 25.62 | <=30  | Pass |      |
|       | 12     |        | 0  | 21.54 | 3.00  | 24.54 | <=30  | Pass |      |
|       |        |        | 6  | 21.90 | 3.00  | 24.90 | <=30  | Pass |      |
|       |        |        | 13 | 21.95 | 3.00  | 24.95 | <=30  | Pass |      |
|       | 25     |        | 0  | 21.82 | 3.00  | 24.82 | <=30  | Pass |      |
|       | 1752.5 |        | 1  | 0     | 22.77 | 3.00  | 25.77 | <=30 | Pass |
|       |        |        |    | 13    | 22.77 | 3.00  | 25.77 | <=30 | Pass |
|       |        | 24     |    | 21.98 | 3.00  | 24.98 | <=30  | Pass |      |
|       |        | 12     | 0  | 21.87 | 3.00  | 24.87 | <=30  | Pass |      |
|       |        |        | 6  | 21.85 | 3.00  | 24.85 | <=30  | Pass |      |
|       |        |        | 13 | 21.88 | 3.00  | 24.88 | <=30  | Pass |      |
|       |        | 25     | 0  | 21.80 | 3.00  | 24.80 | <=30  | Pass |      |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B4\_10MHz\_EIRP

| Band: 4 / Bandwidth: 10MHz / NTV |                 |               |        |                       |            |            |       |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                             | 1715            | 1             | 0      | 23.92                 | 3.00       | 26.92      | <=30  | Pass    |
|                                  |                 |               | 25     | 23.57                 | 3.00       | 26.57      | <=30  | Pass    |
|                                  |                 |               | 49     | 23.03                 | 3.00       | 26.03      | <=30  | Pass    |
|                                  |                 | 25            | 0      | 22.85                 | 3.00       | 25.85      | <=30  | Pass    |
|                                  |                 |               | 13     | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                  |                 |               | 25     | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 22.91                 | 3.00       | 25.91      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 23.40                 | 3.00       | 26.40      | <=30  | Pass    |

|                                          |        |      |       |       |       |       |       |       |      |      |
|------------------------------------------|--------|------|-------|-------|-------|-------|-------|-------|------|------|
|                                          |        |      | 25    | 23.86 | 3.00  | 26.86 | <=30  | Pass  |      |      |
|                                          |        |      | 49    | 23.39 | 3.00  | 26.39 | <=30  | Pass  |      |      |
|                                          |        |      | 0     | 22.82 | 3.00  | 25.82 | <=30  | Pass  |      |      |
|                                          |        | 25   | 13    | 22.88 | 3.00  | 25.88 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 22.84 | 3.00  | 25.84 | <=30  | Pass  |      |      |
|                                          |        |      | 50    | 0     | 22.76 | 3.00  | 25.76 | <=30  | Pass |      |
|                                          |        | 1750 | 1     | 0     | 23.81 | 3.00  | 26.81 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 23.77 | 3.00  | 26.77 | <=30  | Pass |      |
|                                          | 49     |      |       | 23.76 | 3.00  | 26.76 | <=30  | Pass  |      |      |
|                                          | 25     |      | 0     | 22.84 | 3.00  | 25.84 | <=30  | Pass  |      |      |
|                                          |        |      | 13    | 22.85 | 3.00  | 25.85 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 22.90 | 3.00  | 25.90 | <=30  | Pass  |      |      |
|                                          | 50     |      | 0     | 22.83 | 3.00  | 25.83 | <=30  | Pass  |      |      |
|                                          | 16QAM  | 1715 | 1     | 0     | 22.86 | 3.00  | 25.86 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 22.66 | 3.00  | 25.66 | <=30  | Pass |      |
|                                          |        |      |       | 49    | 22.70 | 3.00  | 25.70 | <=30  | Pass |      |
| 25                                       |        |      | 0     | 21.93 | 3.00  | 24.93 | <=30  | Pass  |      |      |
|                                          |        |      | 13    | 21.49 | 3.00  | 24.49 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 21.90 | 3.00  | 24.90 | <=30  | Pass  |      |      |
| 50                                       |        |      | 0     | 21.91 | 3.00  | 24.91 | <=30  | Pass  |      |      |
| 1732.5                                   |        |      | 1     | 0     | 22.88 | 3.00  | 25.88 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 23.06 | 3.00  | 26.06 | <=30  | Pass |      |
|                                          |        | 49   |       | 22.74 | 3.00  | 25.74 | <=30  | Pass  |      |      |
|                                          |        | 25   | 0     | 21.92 | 3.00  | 24.92 | <=30  | Pass  |      |      |
|                                          |        |      | 13    | 21.88 | 3.00  | 24.88 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 21.88 | 3.00  | 24.88 | <=30  | Pass  |      |      |
|                                          |        | 50   | 0     | 21.80 | 3.00  | 24.80 | <=30  | Pass  |      |      |
|                                          |        | 1750 | 1     | 0     | 22.78 | 3.00  | 25.78 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 22.31 | 3.00  | 25.31 | <=30  | Pass |      |
| 49                                       |        |      |       | 22.87 | 3.00  | 25.87 | <=30  | Pass  |      |      |
| 25                                       |        |      | 0     | 21.88 | 3.00  | 24.88 | <=30  | Pass  |      |      |
|                                          |        |      | 13    | 21.87 | 3.00  | 24.87 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 21.83 | 3.00  | 24.83 | <=30  | Pass  |      |      |
| 50                                       |        |      | 0     | 21.88 | 3.00  | 24.88 | <=30  | Pass  |      |      |
| 64QAM                                    |        |      | 1715  | 1     | 0     | 22.55 | 3.00  | 25.55 | <=30 | Pass |
|                                          |        |      |       |       | 25    | 22.77 | 3.00  | 25.77 | <=30 | Pass |
|                                          |        | 49   |       |       | 22.85 | 3.00  | 25.85 | <=30  | Pass |      |
|                                          |        | 25   |       | 0     | 21.82 | 3.00  | 24.82 | <=30  | Pass |      |
|                                          |        |      |       | 13    | 21.95 | 3.00  | 24.95 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 21.92 | 3.00  | 24.92 | <=30  | Pass |      |
|                                          |        | 50   |       | 0     | 21.90 | 3.00  | 24.90 | <=30  | Pass |      |
|                                          | 1732.5 | 1    |       | 0     | 22.87 | 3.00  | 25.87 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 22.08 | 3.00  | 25.08 | <=30  | Pass |      |
|                                          |        |      | 49    | 22.82 | 3.00  | 25.82 | <=30  | Pass  |      |      |
|                                          |        | 25   | 0     | 21.89 | 3.00  | 24.89 | <=30  | Pass  |      |      |
|                                          |        |      | 13    | 21.82 | 3.00  | 24.82 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 21.86 | 3.00  | 24.86 | <=30  | Pass  |      |      |
|                                          |        | 50   | 0     | 21.88 | 3.00  | 24.88 | <=30  | Pass  |      |      |
|                                          |        | 1750 | 1     | 0     | 22.49 | 3.00  | 25.49 | <=30  | Pass |      |
|                                          |        |      |       | 25    | 22.84 | 3.00  | 25.84 | <=30  | Pass |      |
|                                          | 49     |      |       | 22.62 | 3.00  | 25.62 | <=30  | Pass  |      |      |
|                                          | 25     |      | 0     | 21.82 | 3.00  | 24.82 | <=30  | Pass  |      |      |
|                                          |        |      | 13    | 21.89 | 3.00  | 24.89 | <=30  | Pass  |      |      |
|                                          |        |      | 25    | 21.86 | 3.00  | 24.86 | <=30  | Pass  |      |      |
| 50                                       | 0      |      | 21.85 | 3.00  | 24.85 | <=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      | 23.87                 | 3.00       | 27.27      | <=30  | Pass    |
|                                   |                 |               | 38     | 23.36                 | 3.00       | 26.36      | <=30  | Pass    |
|                                   |                 |               | 74     | 23.64                 | 3.00       | 26.64      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                   |                 |               | 18     | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                   |                 |               | 39     | 22.90                 | 3.00       | 25.90      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 22.94                 | 3.00       | 25.94      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 23.86                 | 3.00       | 26.86      | <=30  | Pass    |
|                                   |                 |               | 38     | 23.87                 | 3.00       | 27.17      | <=30  | Pass    |
|                                   |                 |               | 74     | 23.49                 | 3.00       | 26.49      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 22.59                 | 3.00       | 25.59      | <=30  | Pass    |
|                                   |                 |               | 18     | 22.93                 | 3.00       | 25.93      | <=30  | Pass    |
|                                   |                 |               | 39     | 22.93                 | 3.00       | 25.93      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                   | 1747.5          | 1             | 0      | 23.91                 | 3.00       | 27.41      | <=30  | Pass    |
|                                   |                 |               | 38     | 23.92                 | 3.00       | 27.11      | <=30  | Pass    |
|                                   |                 |               | 74     | 23.96                 | 3.00       | 26.96      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                   |                 |               | 18     | 22.91                 | 3.00       | 25.91      | <=30  | Pass    |
|                                   |                 |               | 39     | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 22.89                 | 3.00       | 25.89      | <=30  | Pass    |
| 16QAM                             | 1717.5          | 1             | 0      | 23.06                 | 3.00       | 26.06      | <=30  | Pass    |
|                                   |                 |               | 38     | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.74                 | 3.00       | 25.74      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.94                 | 3.00       | 24.94      | <=30  | Pass    |
|                                   |                 |               | 18     | 22.01                 | 3.00       | 25.01      | <=30  | Pass    |
|                                   |                 |               | 39     | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.95                 | 3.00       | 24.95      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 23.33                 | 3.00       | 26.33      | <=30  | Pass    |
|                                   |                 |               | 38     | 23.02                 | 3.00       | 26.02      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.45                 | 3.00       | 25.45      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.83                 | 3.00       | 24.83      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                   | 1747.5          | 1             | 0      | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |
|                                   |                 |               | 38     | 23.12                 | 3.00       | 26.12      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.58                 | 3.00       | 25.58      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.88                 | 3.00       | 24.88      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.95                 | 3.00       | 24.95      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.89                 | 3.00       | 24.89      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.93                 | 3.00       | 24.93      | <=30  | Pass    |
| 64QAM                             | 1717.5          | 1             | 0      | 22.89                 | 3.00       | 25.89      | <=30  | Pass    |
|                                   |                 |               | 38     | 22.64                 | 3.00       | 25.64      | <=30  | Pass    |
|                                   |                 |               | 74     | 21.78                 | 3.00       | 24.78      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.92                 | 3.00       | 24.92      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.97                 | 3.00       | 24.97      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.91                 | 3.00       | 24.91      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.97                 | 3.00       | 24.97      | <=30  | Pass    |
|                                   | 1732.5          | 1             | 0      | 22.86                 | 3.00       | 25.86      | <=30  | Pass    |
|                                   |                 |               | 38     | 23.05                 | 3.00       | 26.05      | <=30  | Pass    |
|                                   |                 |               | 74     | 22.86                 | 3.00       | 25.86      | <=30  | Pass    |
|                                   |                 | 36            | 0      | 21.93                 | 3.00       | 24.93      | <=30  | Pass    |
|                                   |                 |               | 18     | 21.96                 | 3.00       | 24.96      | <=30  | Pass    |
|                                   |                 |               | 39     | 21.94                 | 3.00       | 24.94      | <=30  | Pass    |
|                                   |                 | 75            | 0      | 21.84                 | 3.00       | 24.84      | <=30  | Pass    |

|  |        |                                          |    |       |      |       |      |      |
|--|--------|------------------------------------------|----|-------|------|-------|------|------|
|  | 1747.5 | 1                                        | 0  | 22.42 | 3.00 | 25.42 | <=30 | Pass |
|  |        |                                          | 38 | 22.96 | 3.00 | 25.96 | <=30 | Pass |
|  |        |                                          | 74 | 22.87 | 3.00 | 25.87 | <=30 | Pass |
|  |        | 36                                       | 0  | 21.89 | 3.00 | 24.89 | <=30 | Pass |
|  |        |                                          | 18 | 21.98 | 3.00 | 24.98 | <=30 | Pass |
|  |        |                                          | 39 | 21.89 | 3.00 | 24.89 | <=30 | Pass |
|  |        | 75                                       | 0  | 21.92 | 3.00 | 24.92 | <=30 | Pass |
|  |        | Note1: EIRP=Conducted Power+Antenna Gain |    |       |      |       |      |      |

### 1.1.6 B4\_20MHz\_EIRP

| Band: 4 / Bandwidth: 20MHz / NTN |                 |               |        |                       |            |            |       |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                             | 1720            | 1             | 0      | 23.86                 | 3.00       | 26.86      | <=30  | Pass    |
|                                  |                 |               | 50     | 23.65                 | 3.00       | 26.65      | <=30  | Pass    |
|                                  |                 |               | 99     | 23.87                 | 3.00       | 26.87      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 22.77                 | 3.00       | 25.77      | <=30  | Pass    |
|                                  |                 |               | 25     | 23.03                 | 3.00       | 26.03      | <=30  | Pass    |
|                                  |                 |               | 50     | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                  |                 | 100           | 0      | 22.94                 | 3.00       | 25.94      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 23.98                 | 3.00       | 26.98      | <=30  | Pass    |
|                                  |                 |               | 50     | 23.32                 | 3.00       | 26.32      | <=30  | Pass    |
|                                  |                 |               | 99     | 23.97                 | 3.00       | 26.97      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 22.89                 | 3.00       | 25.89      | <=30  | Pass    |
|                                  |                 |               | 25     | 22.90                 | 3.00       | 25.90      | <=30  | Pass    |
|                                  |                 |               | 50     | 23.00                 | 3.00       | 26.00      | <=30  | Pass    |
|                                  |                 | 100           | 0      | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |
|                                  | 1745            | 1             | 0      | 23.83                 | 3.00       | 26.83      | <=30  | Pass    |
|                                  |                 |               | 50     | 23.97                 | 3.00       | 26.97      | <=30  | Pass    |
|                                  |                 |               | 99     | 23.31                 | 3.00       | 26.31      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 22.90                 | 3.00       | 25.90      | <=30  | Pass    |
|                                  |                 |               | 25     | 22.97                 | 3.00       | 25.97      | <=30  | Pass    |
|                                  |                 |               | 50     | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                  |                 | 100           | 0      | 22.93                 | 3.00       | 25.93      | <=30  | Pass    |
| 16QAM                            | 1720            | 1             | 0      | 22.64                 | 3.00       | 25.64      | <=30  | Pass    |
|                                  |                 |               | 50     | 23.08                 | 3.00       | 26.08      | <=30  | Pass    |
|                                  |                 |               | 99     | 23.41                 | 3.00       | 26.41      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 21.74                 | 3.00       | 24.74      | <=30  | Pass    |
|                                  |                 |               | 25     | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
|                                  |                 |               | 50     | 21.98                 | 3.00       | 24.98      | <=30  | Pass    |
|                                  |                 | 100           | 0      | 21.97                 | 3.00       | 24.97      | <=30  | Pass    |
|                                  | 1732.5          | 1             | 0      | 22.53                 | 3.00       | 25.53      | <=30  | Pass    |
|                                  |                 |               | 50     | 22.34                 | 3.00       | 25.34      | <=30  | Pass    |
|                                  |                 |               | 99     | 23.05                 | 3.00       | 26.05      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 21.76                 | 3.00       | 24.76      | <=30  | Pass    |
|                                  |                 |               | 25     | 21.81                 | 3.00       | 24.81      | <=30  | Pass    |
|                                  |                 |               | 50     | 21.93                 | 3.00       | 24.93      | <=30  | Pass    |
|                                  |                 | 100           | 0      | 21.87                 | 3.00       | 24.87      | <=30  | Pass    |
|                                  | 1745            | 1             | 0      | 23.06                 | 3.00       | 26.06      | <=30  | Pass    |
|                                  |                 |               | 50     | 22.95                 | 3.00       | 25.95      | <=30  | Pass    |
|                                  |                 |               | 99     | 23.03                 | 3.00       | 26.03      | <=30  | Pass    |
|                                  |                 | 50            | 0      | 21.90                 | 3.00       | 24.90      | <=30  | Pass    |
|                                  |                 |               | 25     | 21.92                 | 3.00       | 24.92      | <=30  | Pass    |
|                                  |                 |               | 50     | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
|                                  |                 | 100           | 0      | 21.86                 | 3.00       | 24.86      | <=30  | Pass    |
| 64QAM                            | 1720            | 1             | 0      | 23.06                 | 3.00       | 26.06      | <=30  | Pass    |

|  |                                          |     |       |       |       |       |      |      |
|--|------------------------------------------|-----|-------|-------|-------|-------|------|------|
|  |                                          |     | 50    | 22.99 | 3.00  | 25.99 | <=30 | Pass |
|  |                                          |     | 99    | 22.27 | 3.00  | 25.27 | <=30 | Pass |
|  |                                          | 50  | 0     | 21.85 | 3.00  | 24.85 | <=30 | Pass |
|  |                                          |     | 25    | 21.93 | 3.00  | 24.93 | <=30 | Pass |
|  |                                          |     | 50    | 21.97 | 3.00  | 24.97 | <=30 | Pass |
|  |                                          | 100 | 0     | 21.89 | 3.00  | 24.89 | <=30 | Pass |
|  | 1732.5                                   | 1   | 0     | 22.69 | 3.00  | 25.69 | <=30 | Pass |
|  |                                          |     | 50    | 22.97 | 3.00  | 25.97 | <=30 | Pass |
|  |                                          |     | 99    | 22.79 | 3.00  | 25.79 | <=30 | Pass |
|  |                                          | 50  | 0     | 21.87 | 3.00  | 24.87 | <=30 | Pass |
|  |                                          |     | 25    | 21.90 | 3.00  | 24.90 | <=30 | Pass |
|  |                                          |     | 50    | 22.03 | 3.00  | 25.03 | <=30 | Pass |
|  | 100                                      | 0   | 21.75 | 3.00  | 24.75 | <=30  | Pass |      |
|  | 1745                                     | 1   | 0     | 22.91 | 3.00  | 25.91 | <=30 | Pass |
|  |                                          |     | 50    | 23.05 | 3.00  | 26.05 | <=30 | Pass |
|  |                                          |     | 99    | 22.63 | 3.00  | 25.63 | <=30 | Pass |
|  |                                          | 50  | 0     | 21.93 | 3.00  | 24.93 | <=30 | Pass |
|  |                                          |     | 25    | 21.89 | 3.00  | 24.89 | <=30 | Pass |
|  |                                          |     | 50    | 21.88 | 3.00  | 24.88 | <=30 | Pass |
|  | 100                                      | 0   | 21.88 | 3.00  | 24.88 | <=30  | Pass |      |
|  | 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 (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1732.5          | 50            | 0      | 20         | LV            | 0.900            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV            | -0.800           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV            | 1.200            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV            | 0.100            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV            | 1.300            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV            | -0.200           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV            | -1.300           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV            | -0.900           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV            | -1.000           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV            | -1.000           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | NV            | -0.500           | -0.0003               | -2.5 to 2.5 | Pass    |



### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band4\_OBW

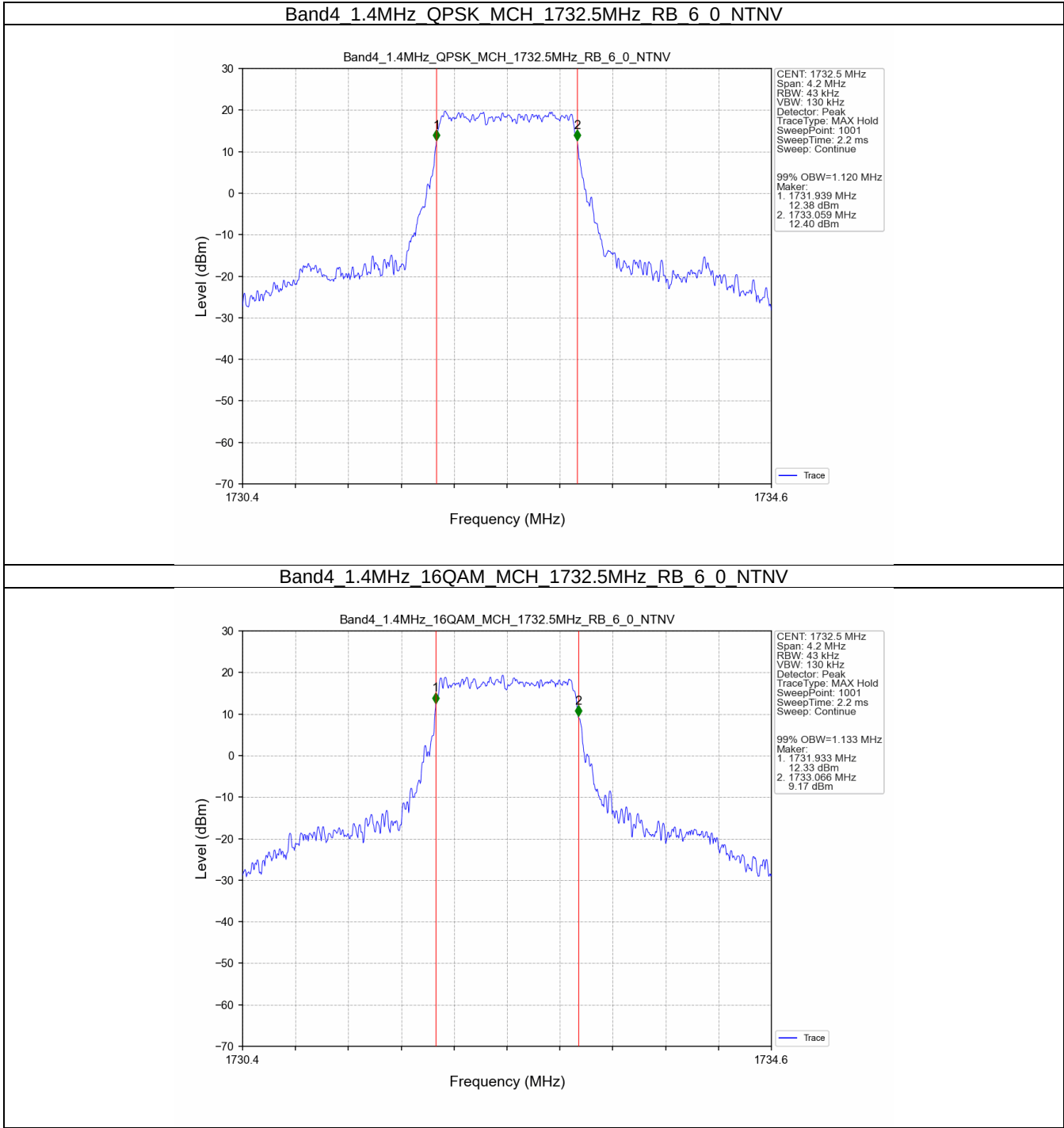
| Band: 4 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1732.5          | 6             | 0      | 1.120                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 6             | 0      | 1.133                        | /     | Pass    |
| 3               | QPSK       | 1732.5          | 15            | 0      | 2.757                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 15            | 0      | 2.742                        | /     | Pass    |
| 5               | QPSK       | 1732.5          | 25            | 0      | 4.564                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 25            | 0      | 4.559                        | /     | Pass    |
| 10              | QPSK       | 1732.5          | 50            | 0      | 9.086                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 50            | 0      | 9.086                        | /     | Pass    |
| 15              | QPSK       | 1732.5          | 75            | 0      | 13.636                       | /     | Pass    |
|                 | 16QAM      | 1732.5          | 75            | 0      | 13.636                       | /     | Pass    |
| 20              | QPSK       | 1732.5          | 100           | 0      | 18.124                       | /     | Pass    |
|                 | 16QAM      | 1732.5          | 100           | 0      | 18.053                       | /     | Pass    |

##### 3.1.2 Band4\_XDB

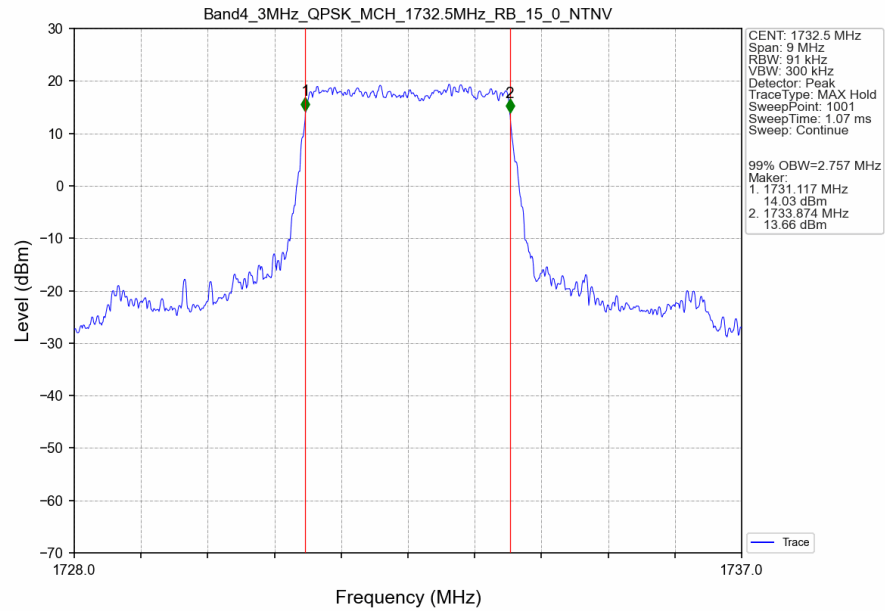
| Band: 4 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1732.5          | 6             | 0      | 1.402                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 6             | 0      | 1.395                | /     | Pass    |
| 3               | QPSK       | 1732.5          | 15            | 0      | 3.134                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 15            | 0      | 3.126                | /     | Pass    |
| 5               | QPSK       | 1732.5          | 25            | 0      | 5.311                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 25            | 0      | 5.176                | /     | Pass    |
| 10              | QPSK       | 1732.5          | 50            | 0      | 10.117               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 50            | 0      | 10.297               | /     | Pass    |
| 15              | QPSK       | 1732.5          | 75            | 0      | 15.224               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 75            | 0      | 15.076               | /     | Pass    |
| 20              | QPSK       | 1732.5          | 100           | 0      | 19.983               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 100           | 0      | 20.086               | /     | Pass    |

## 3.2 Test Graph

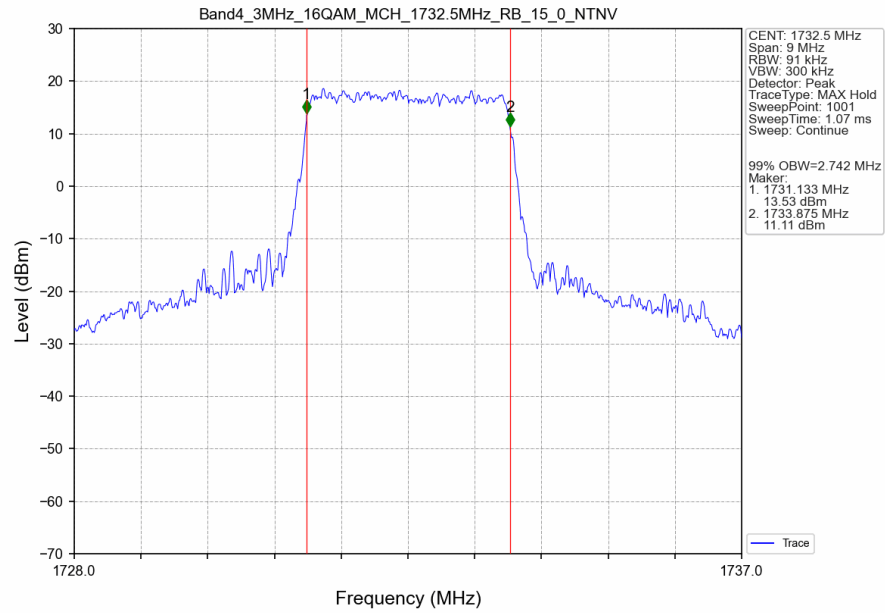
### 3.2.1 Band4\_OBW



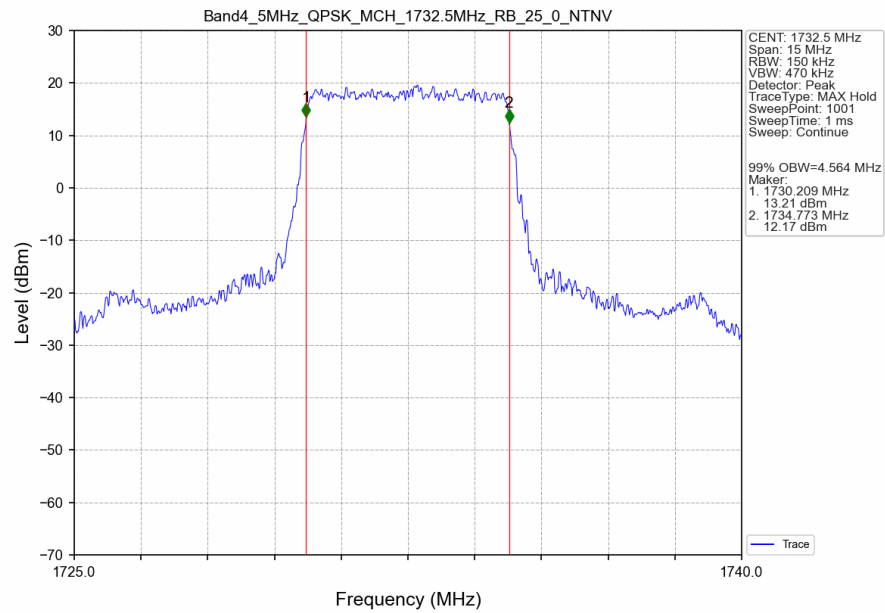
# Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



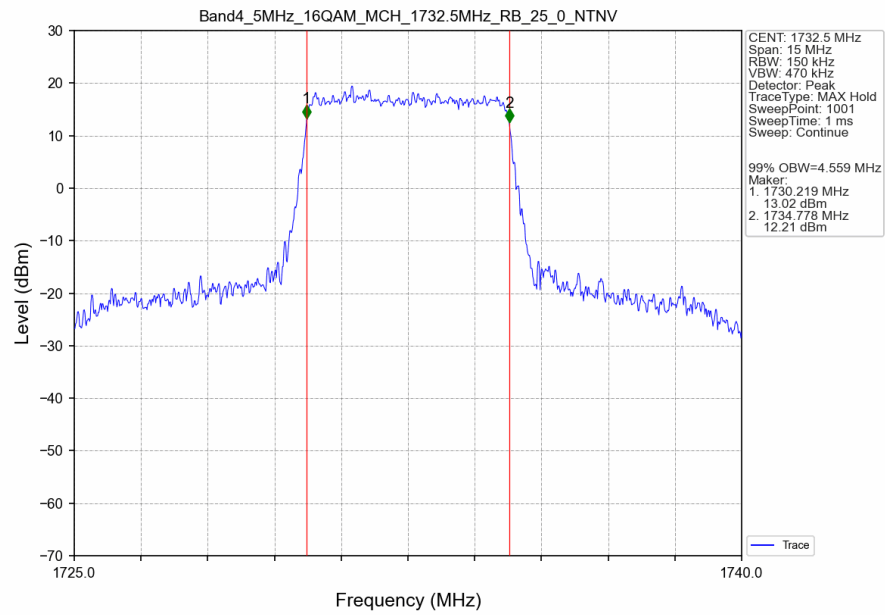
# Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTV



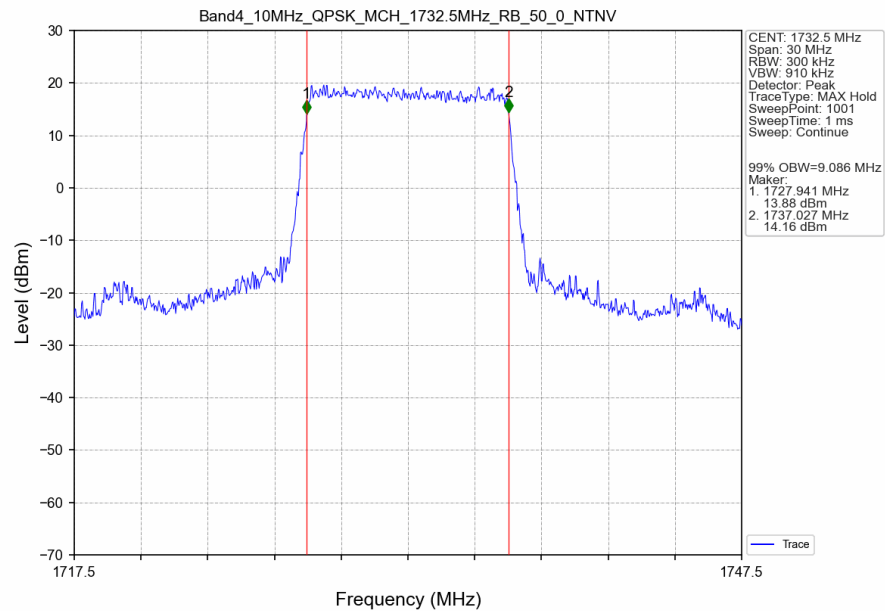
# Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



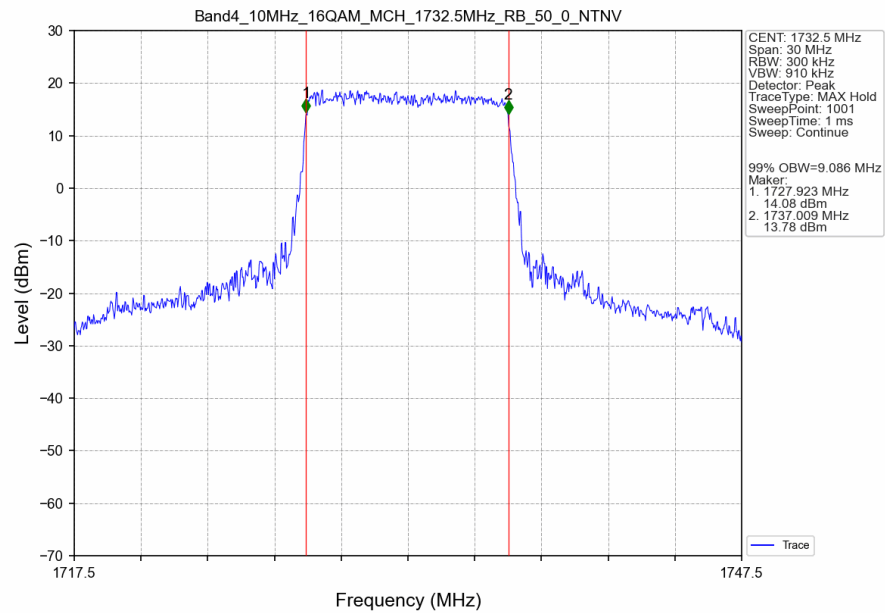
# Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTV



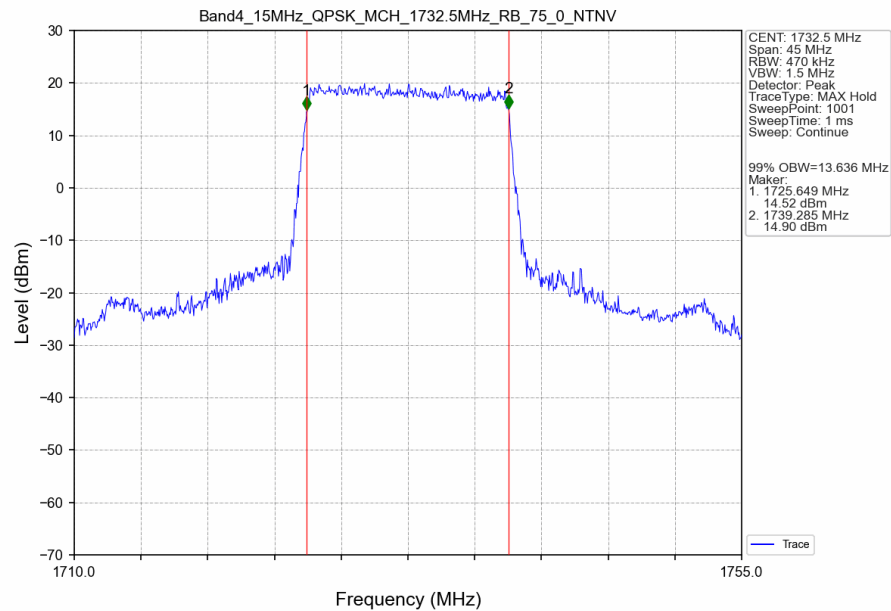
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTV



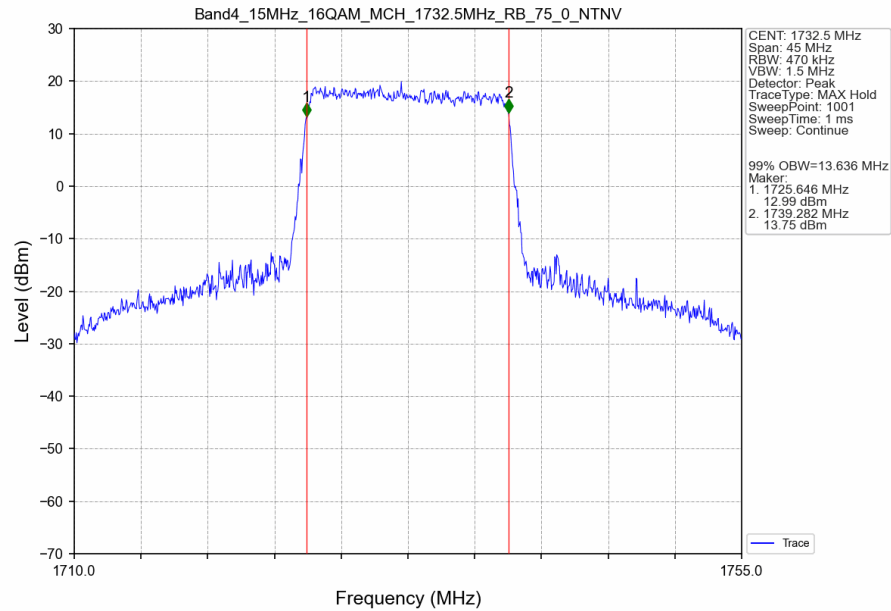
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTV



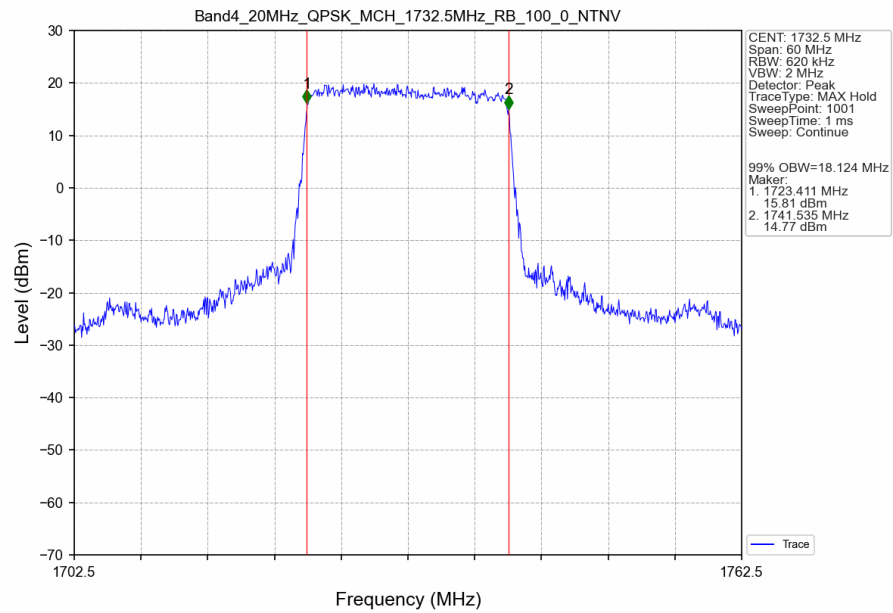
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTV



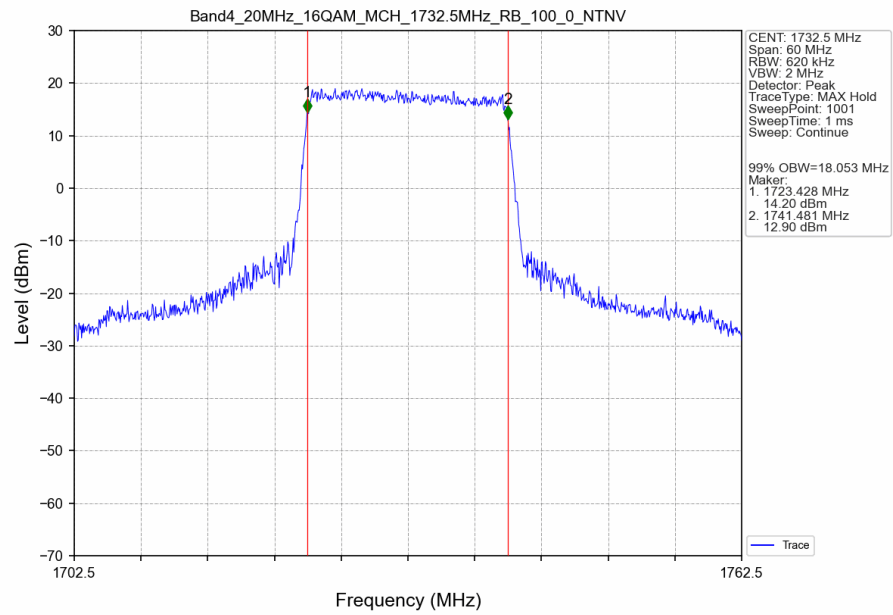
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTV



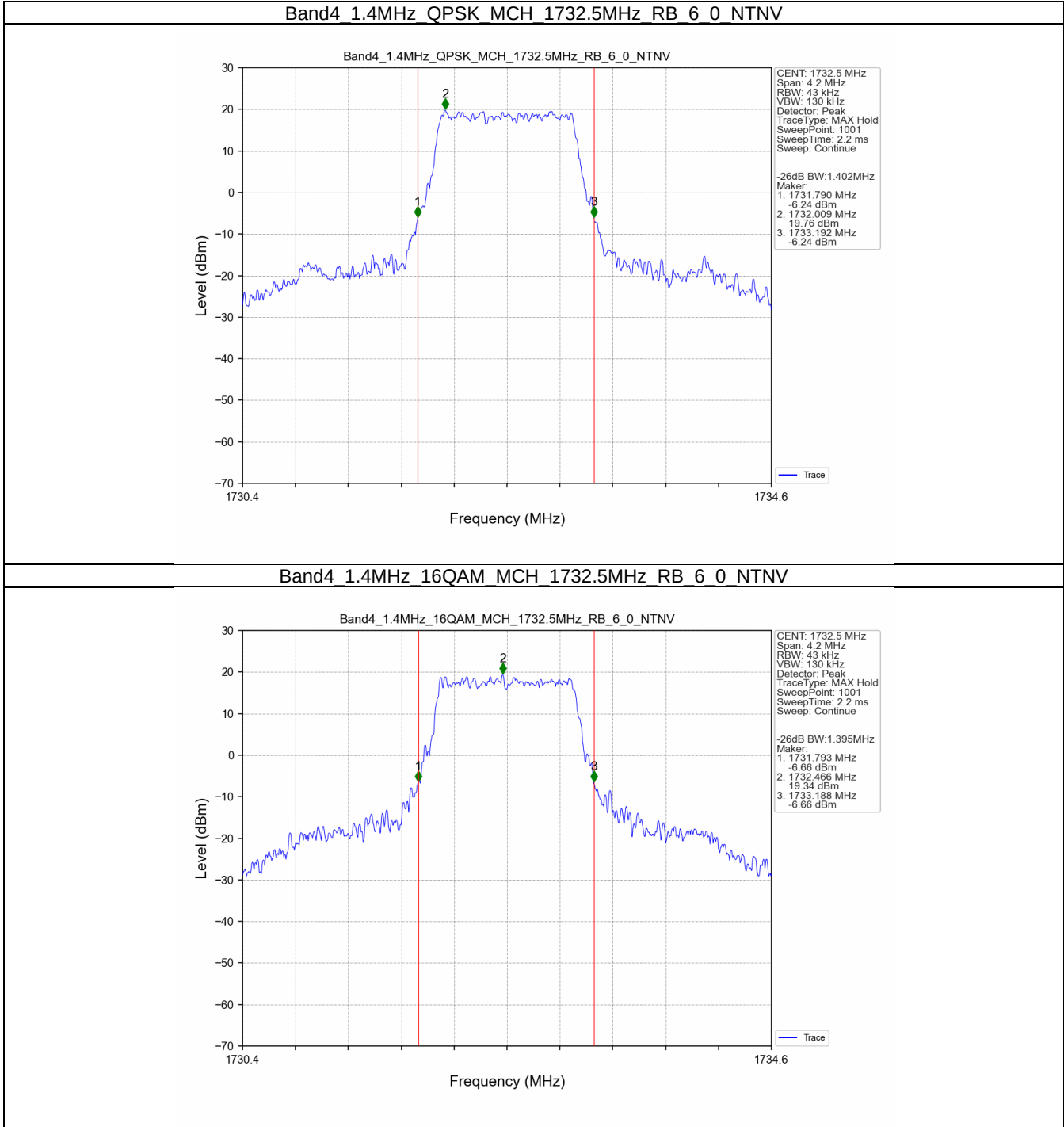
# Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



# Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV

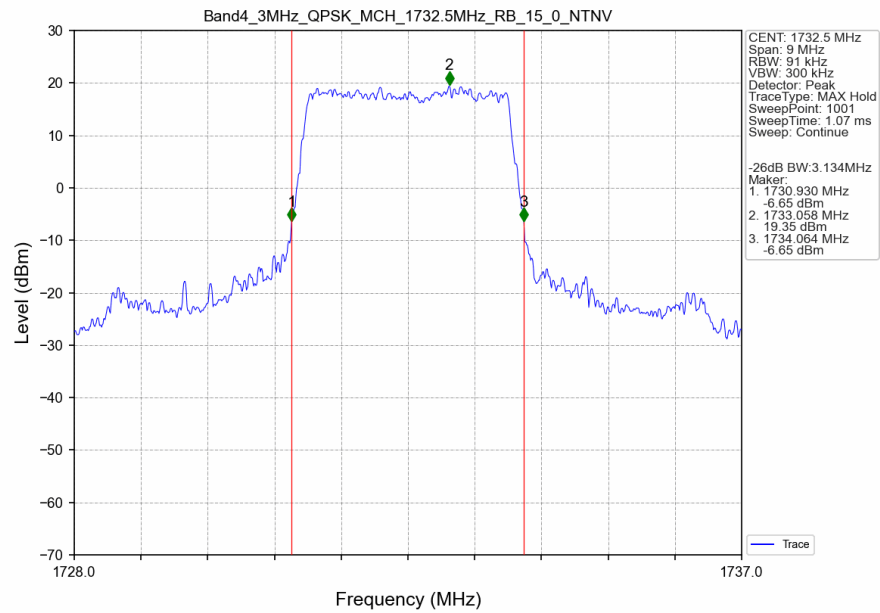


3.2.2 Band4\_XDB

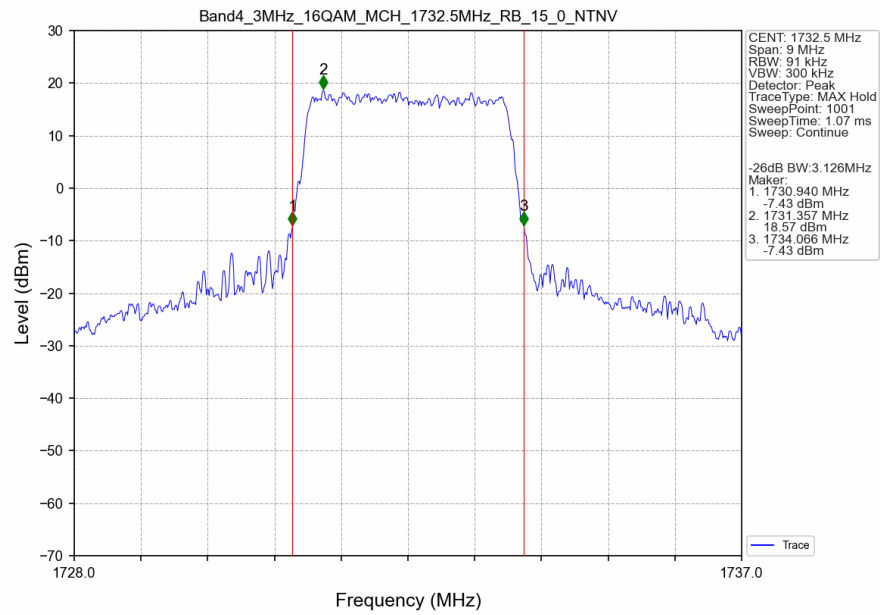




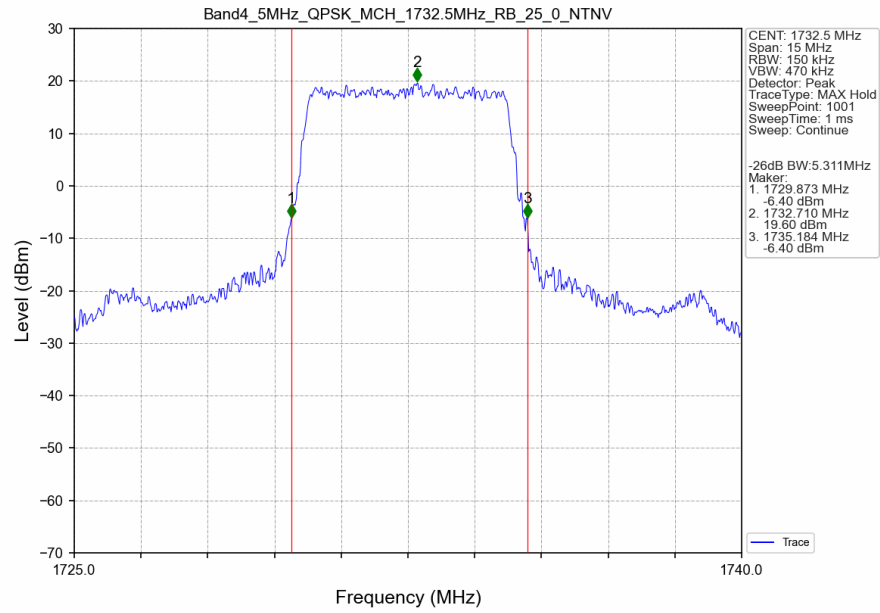
# Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



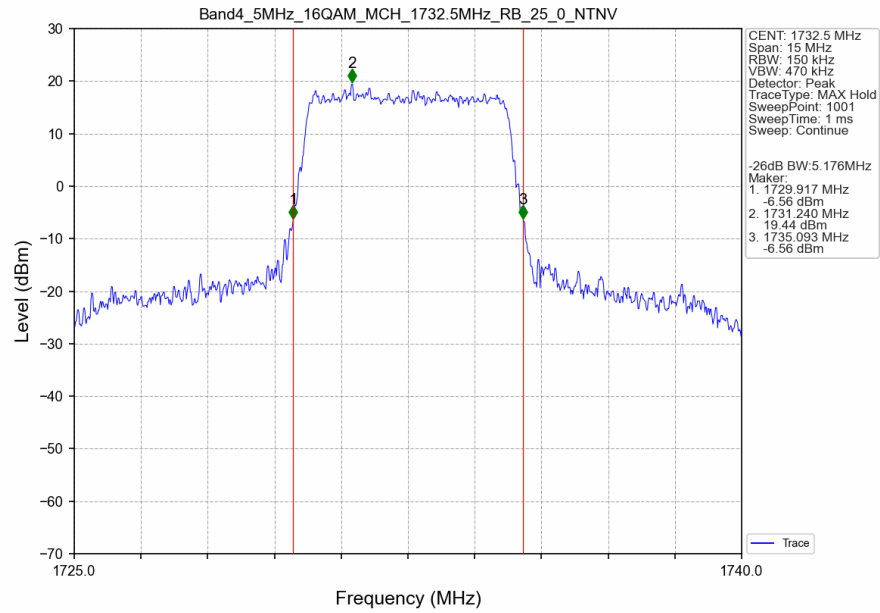
# Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTN



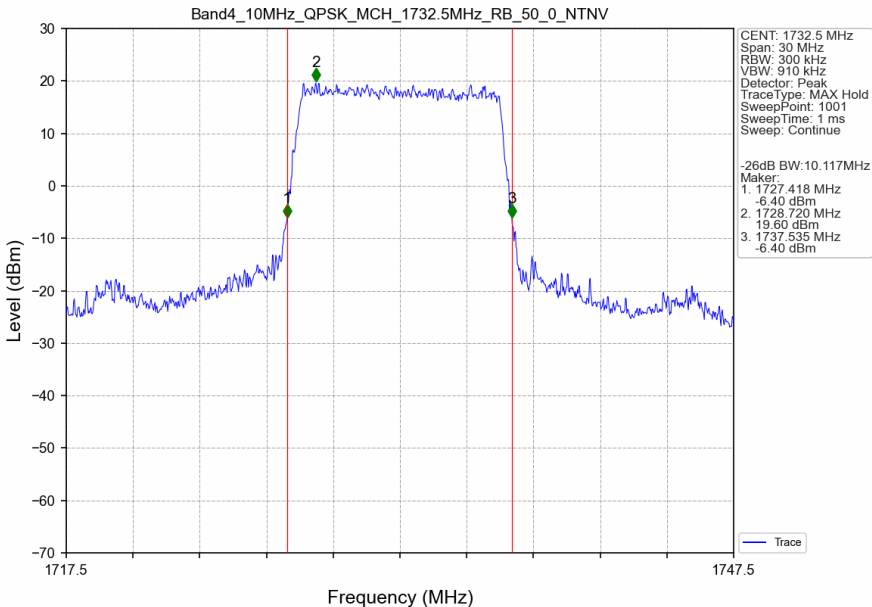
# Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



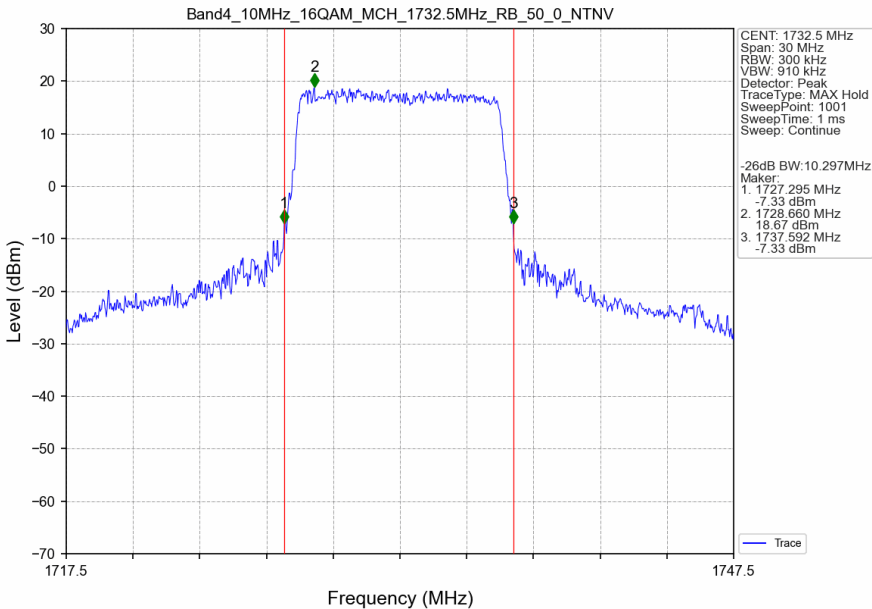
# Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



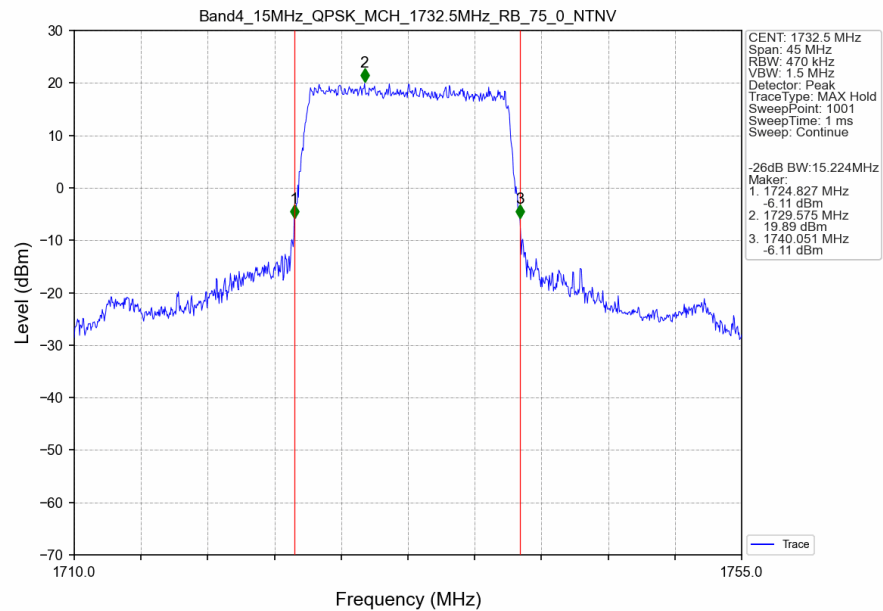
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



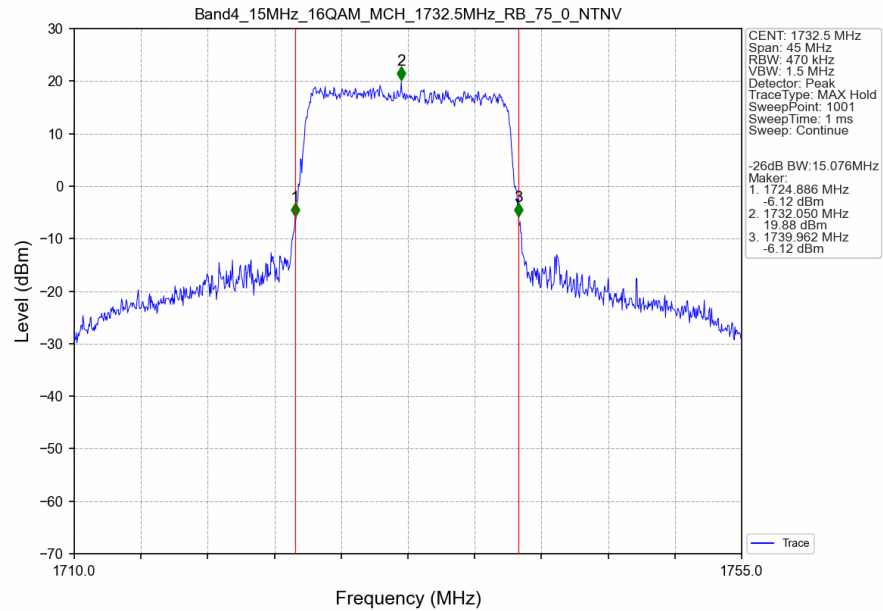
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



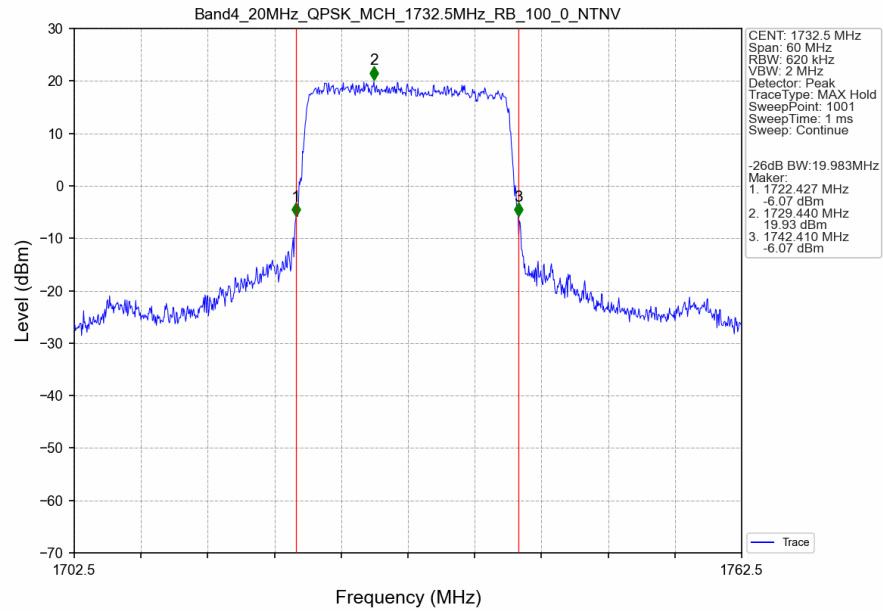
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTV



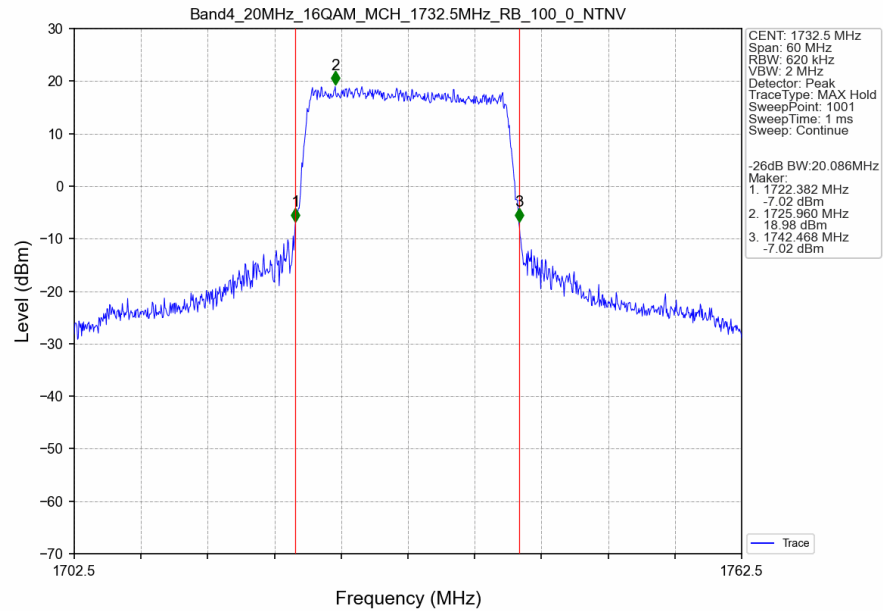
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTV



# Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTN



# Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTN



## 4. Peak-Average Ratio

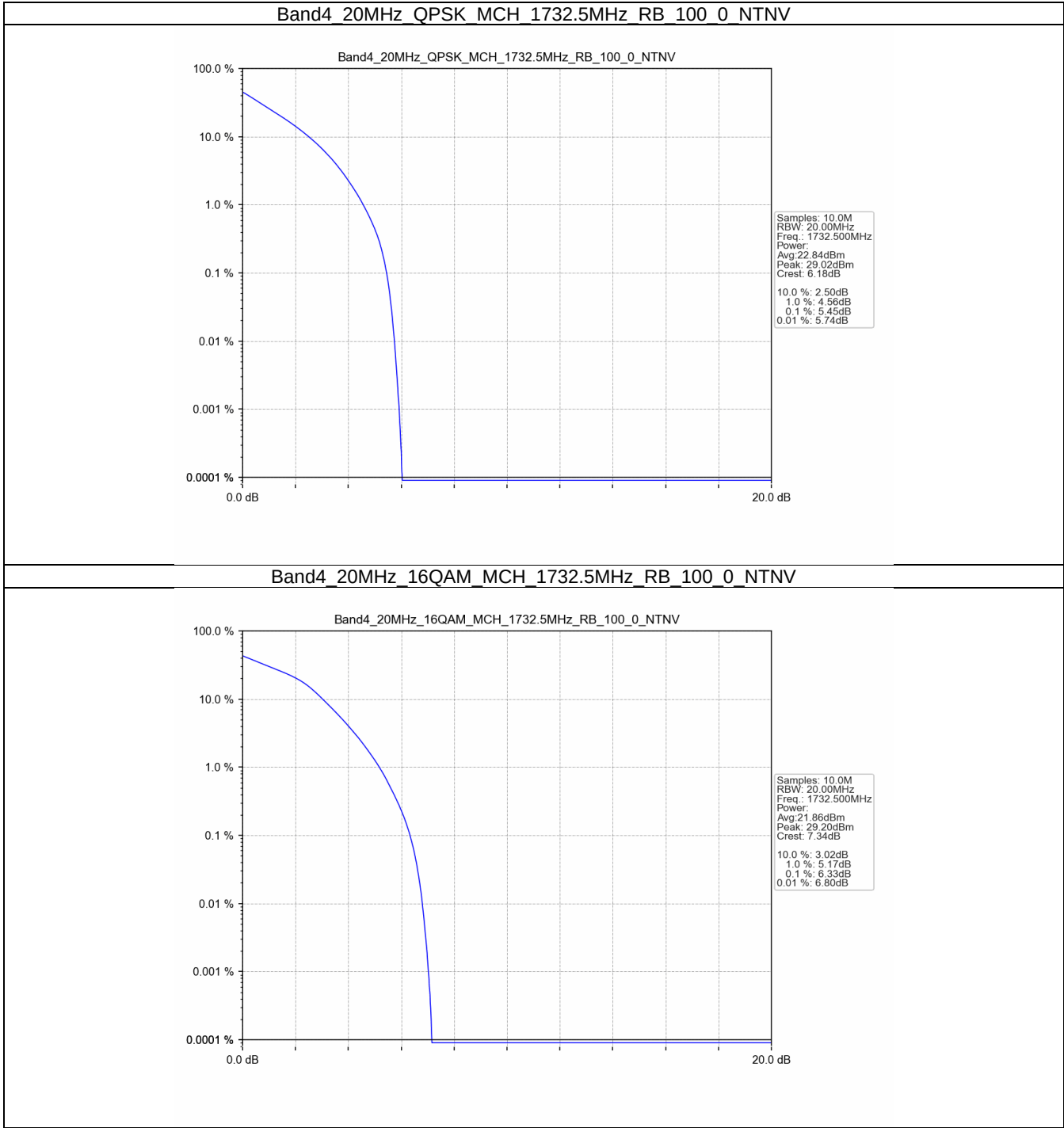
### 4.1 Test Result

#### 4.1.1 B4\_20MHz

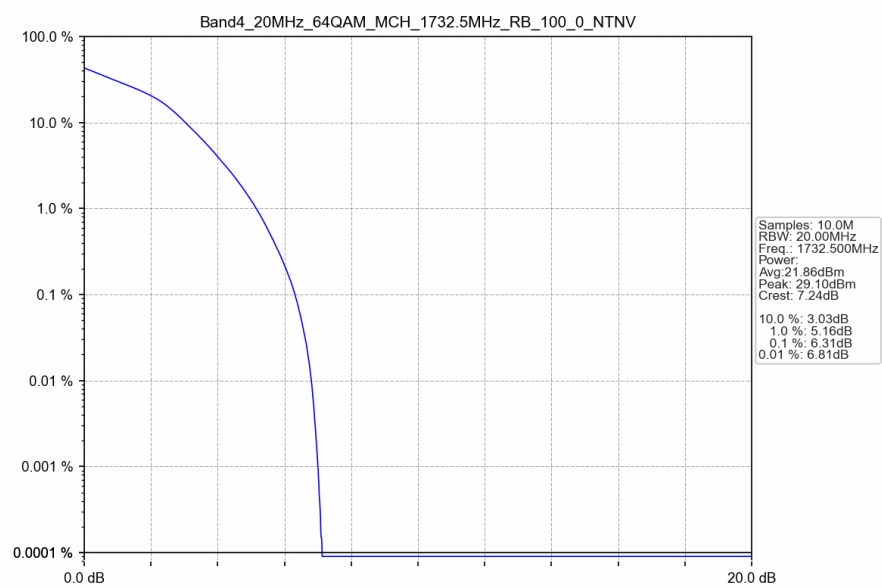
| Band: 4 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|-----------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1732.5             | 100           | 0      | 5.45                    | <=13  | Pass    |
| 16QAM                             | 1732.5             | 100           | 0      | 6.33                    | <=13  | Pass    |
| 64QAM                             | 1732.5             | 100           | 0      | 6.31                    | <=13  | Pass    |

# 4.2 Test Graph

## 4.2.1 B4\_20MHz



Band4 20MHz 64QAM 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 / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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 / NTVN |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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 |       | Pass    |
|                                  |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

### 5.1.5 B4\_15MHz

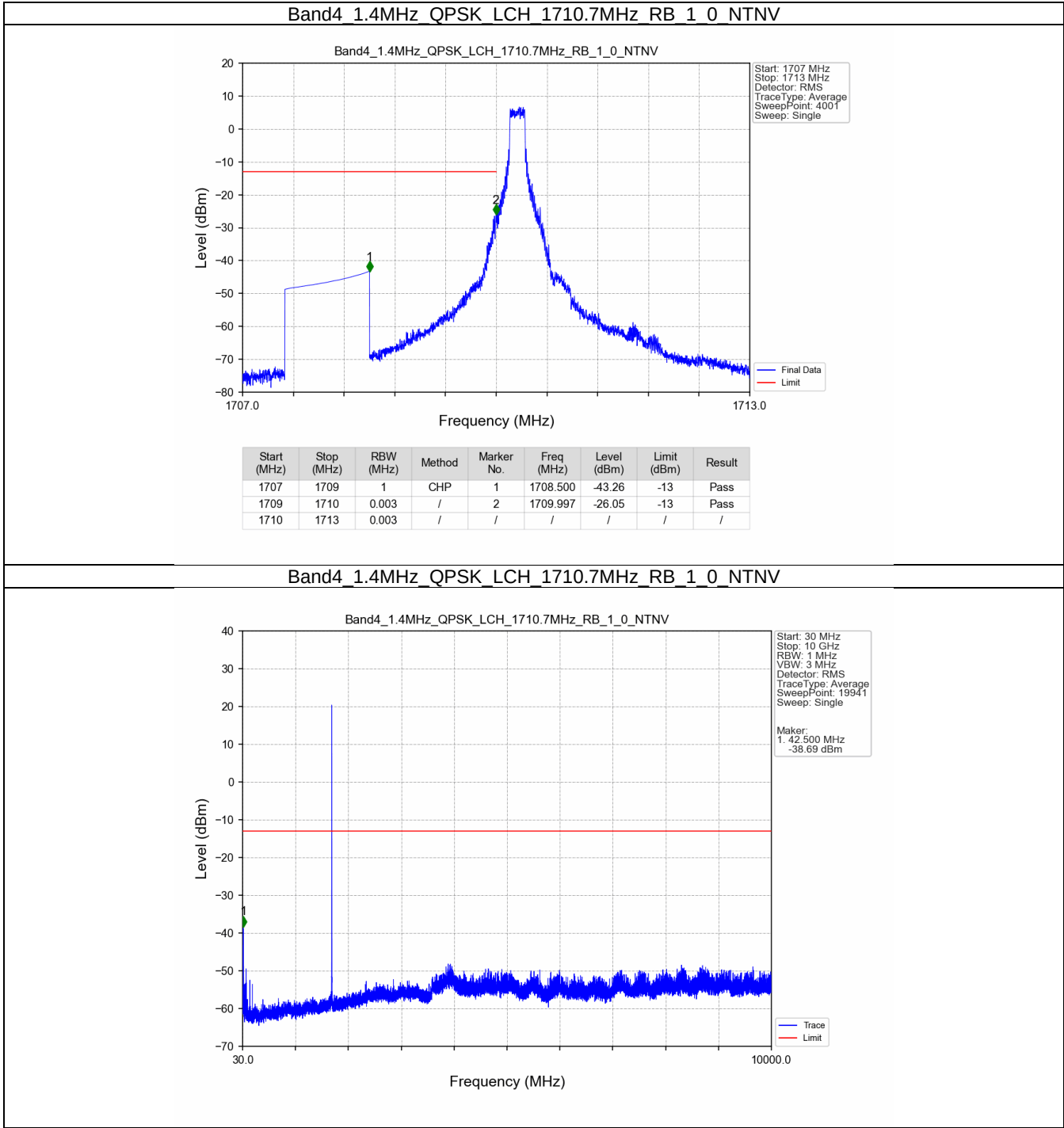
| Band: 4 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | 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 |       | Pass    |
|                                  |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                  |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

### 5.1.6 B4\_20MHz

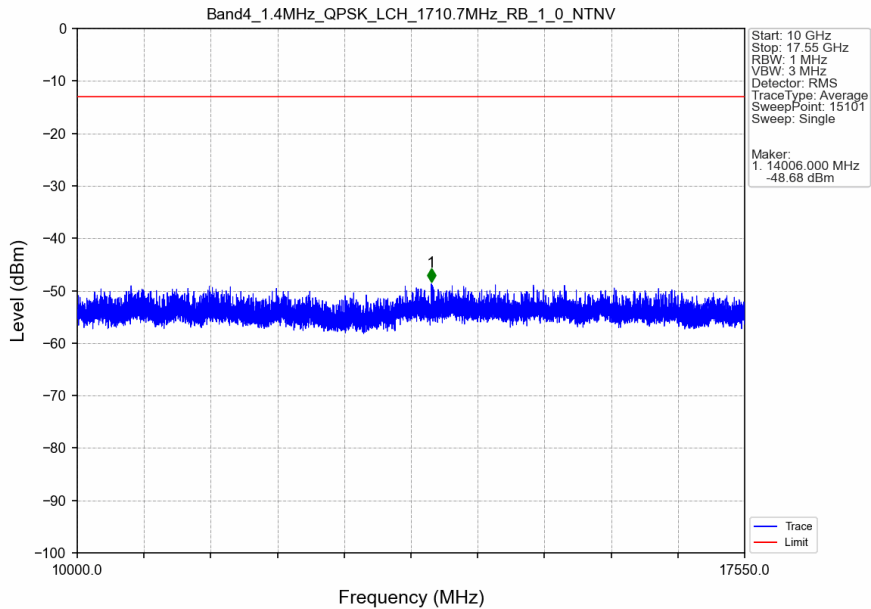
| Band: 4 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | 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 |       | Pass    |
|                                  |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

5.2 Test Graph

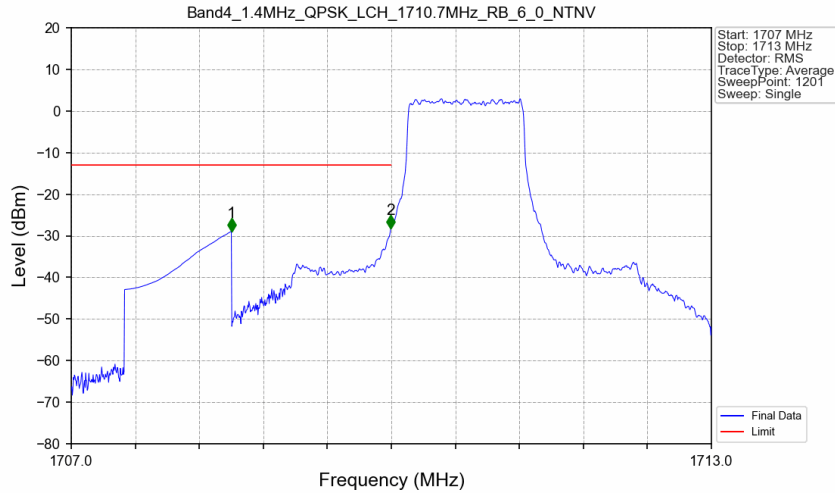
5.2.1 B4\_1.4MHz



Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV

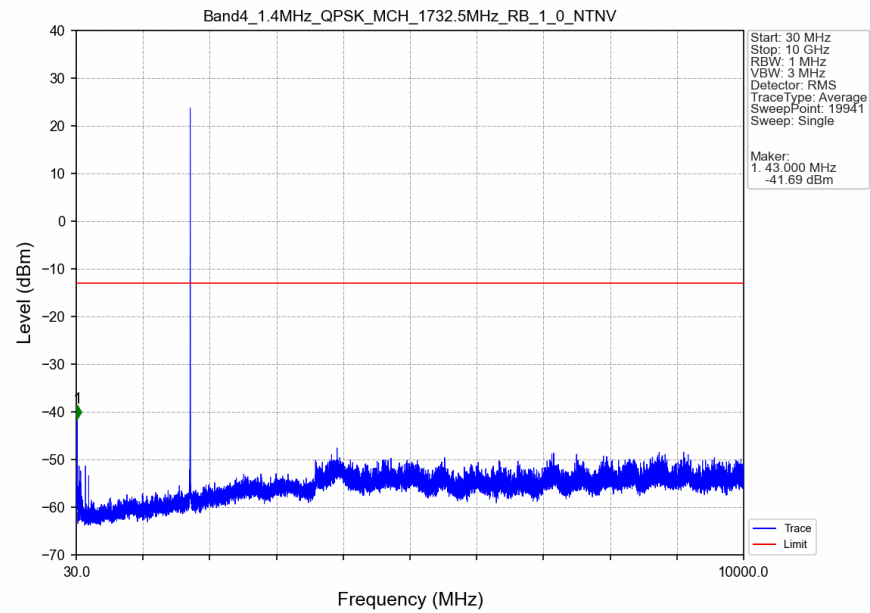


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV

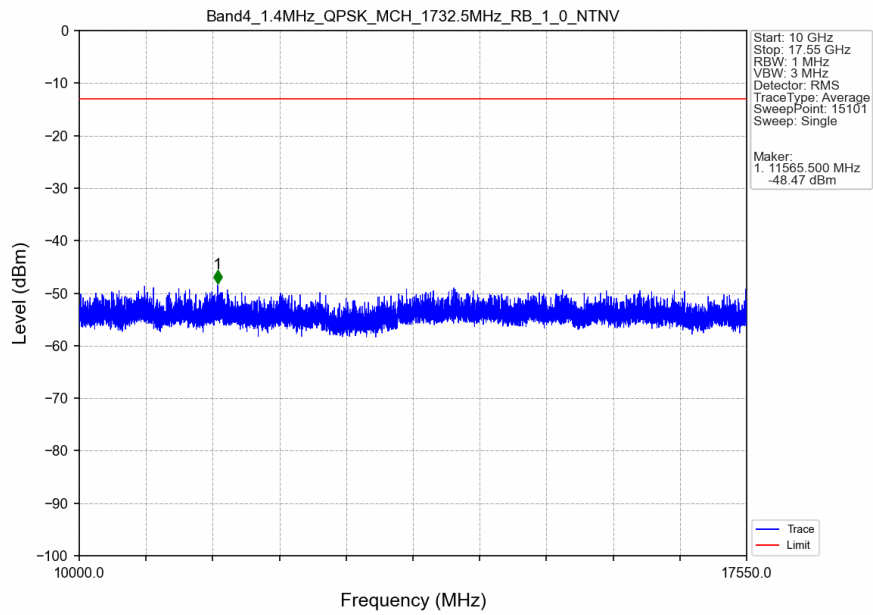


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1708.500   | -28.94      | -13         | Pass   |
| 1709        | 1710       | 0.014     | CHP    | 2          | 1709.995   | -28.21      | -13         | Pass   |
| 1710        | 1713       | 0.014     | CHP    | /          | /          | /           | /           | /      |

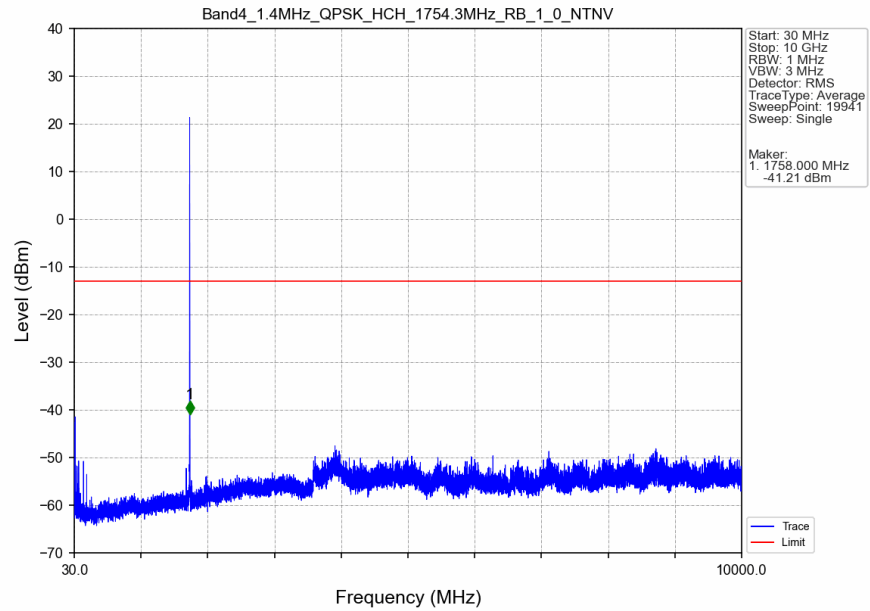
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



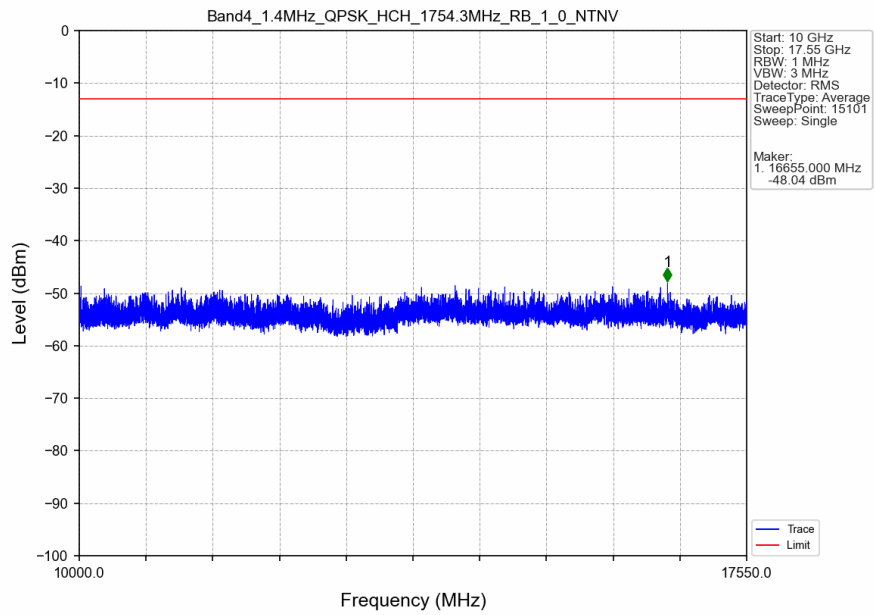
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



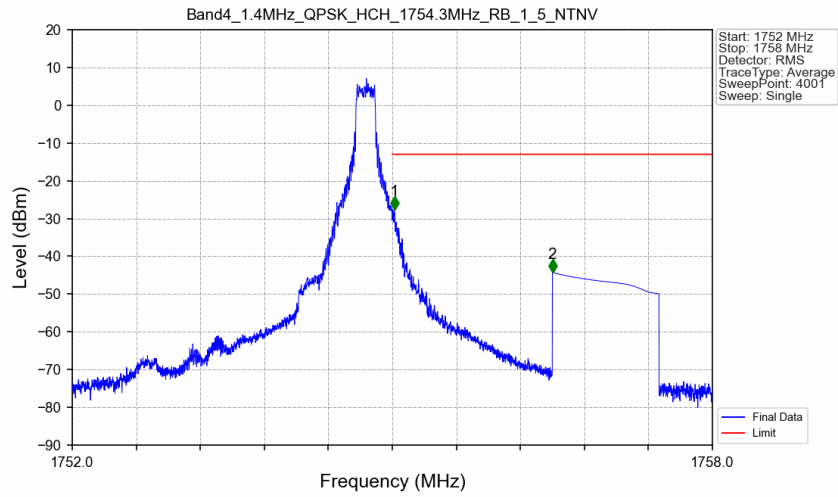
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV

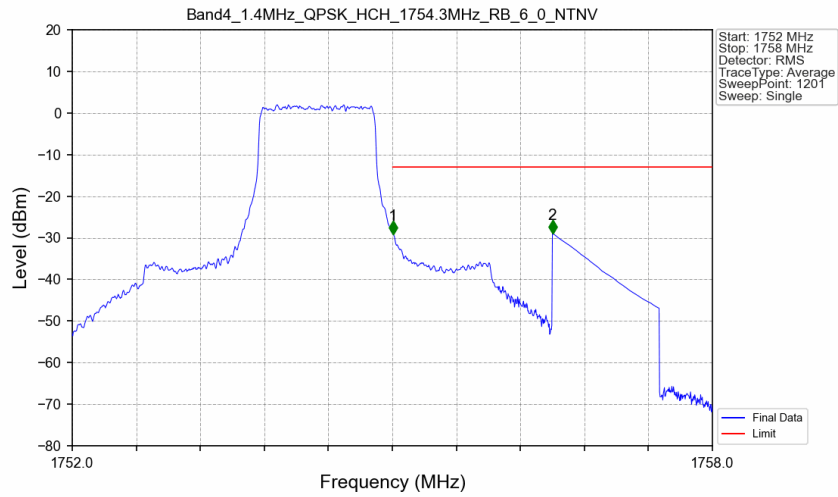


# Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



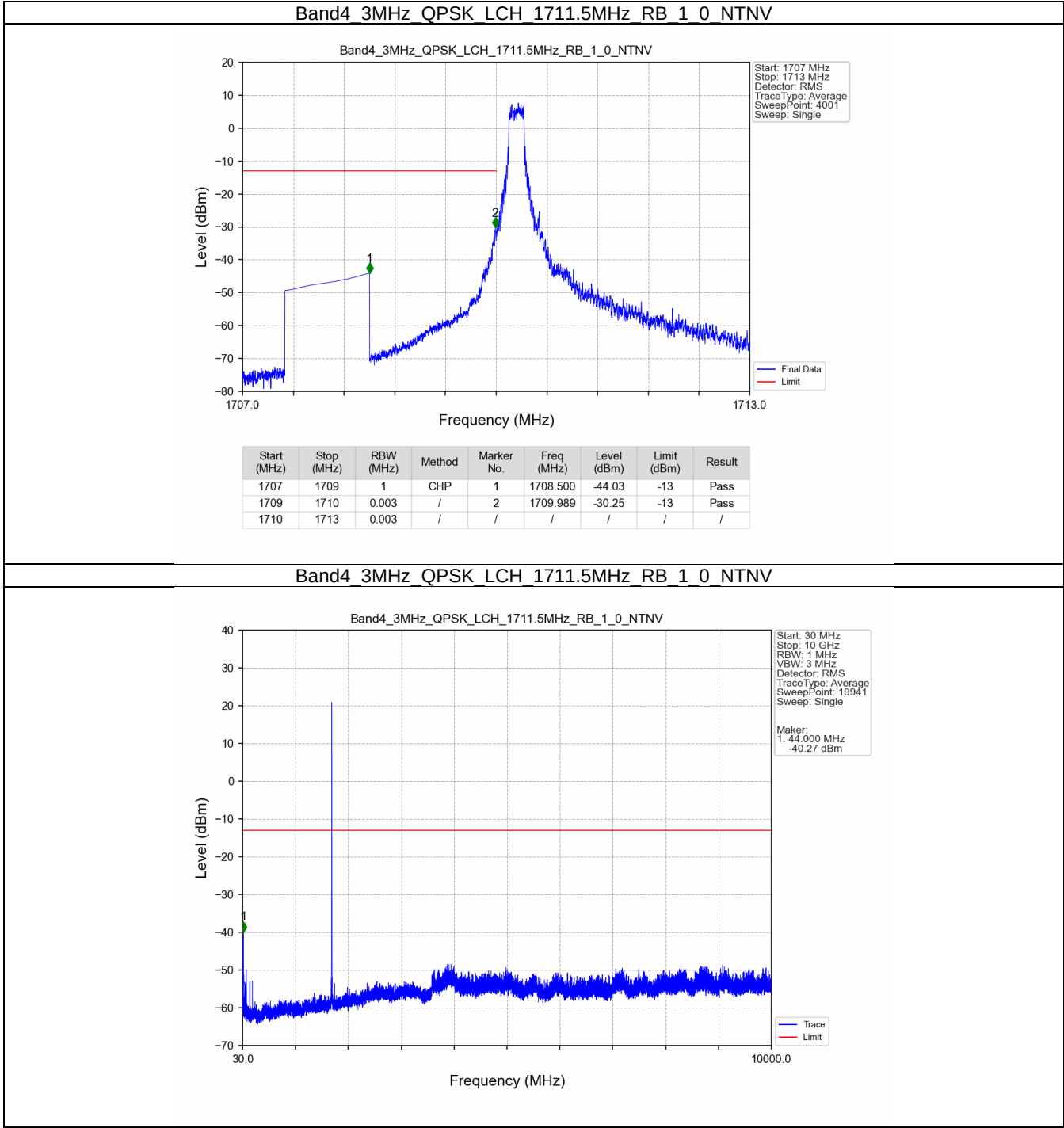
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.018   | -27.63      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -44.30      | -13         | Pass   |

# Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



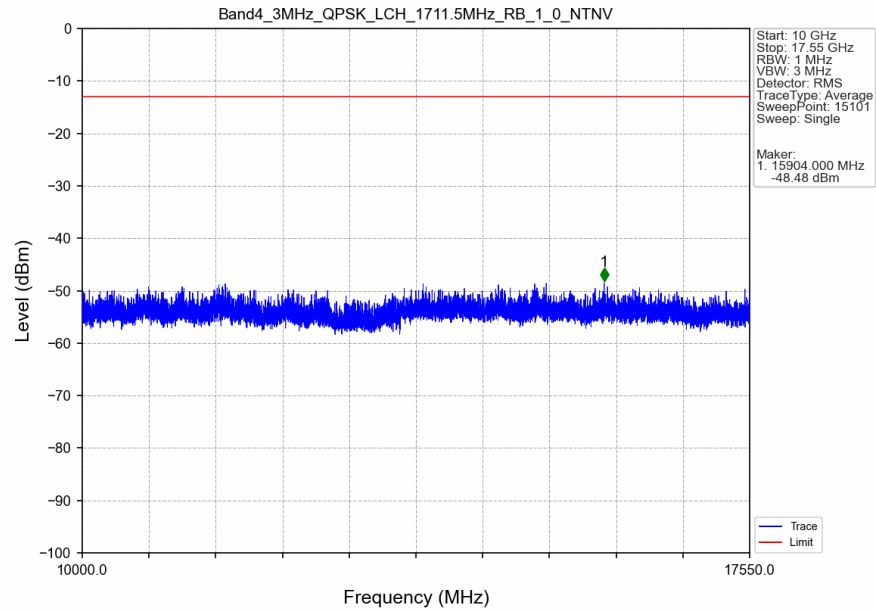
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.014     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.014     | CHP    | 1          | 1755.005   | -29.08      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -28.91      | -13         | Pass   |

5.2.2 B4\_3MHz

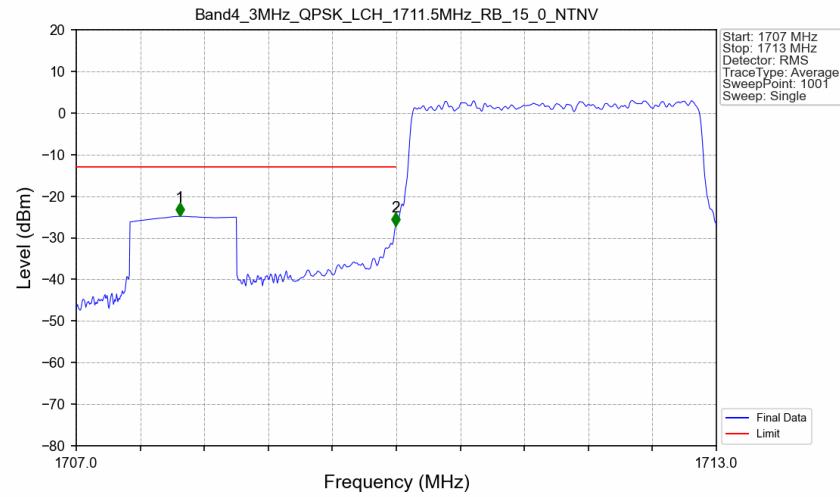




Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV

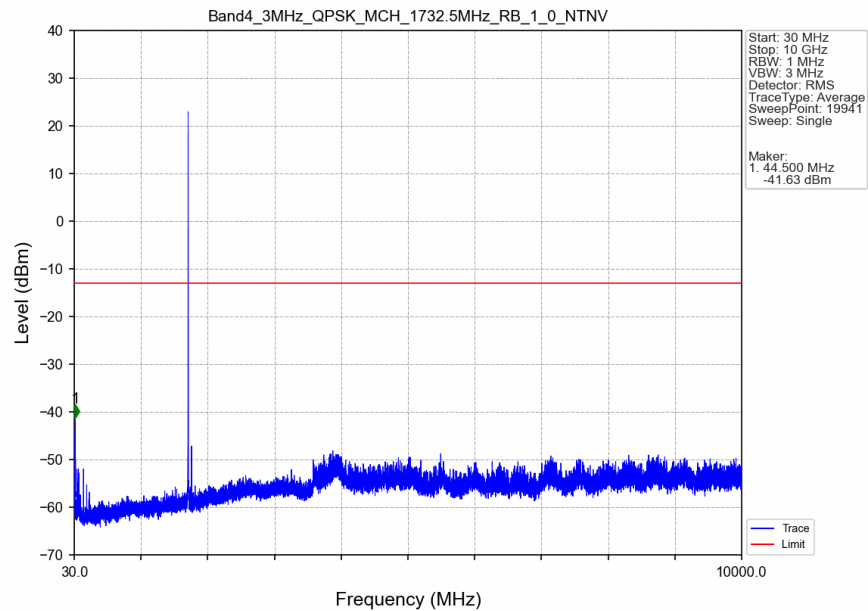


Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

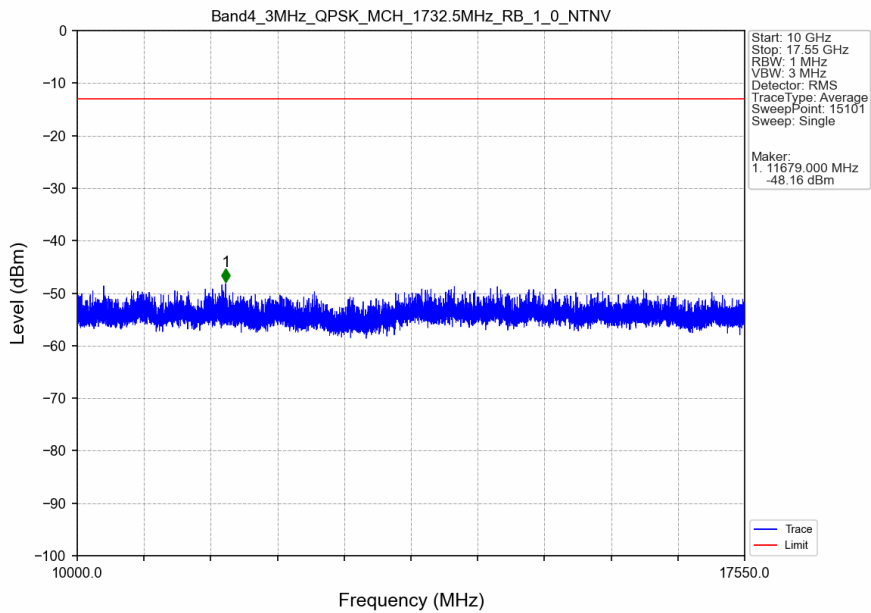


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1707.972   | -24.84      | -13         | Pass   |
| 1709        | 1710       | 0.031     | CHP    | 2          | 1709.994   | -27.04      | -13         | Pass   |
| 1710        | 1713       | 0.031     | CHP    | /          | /          | /           | /           | /      |

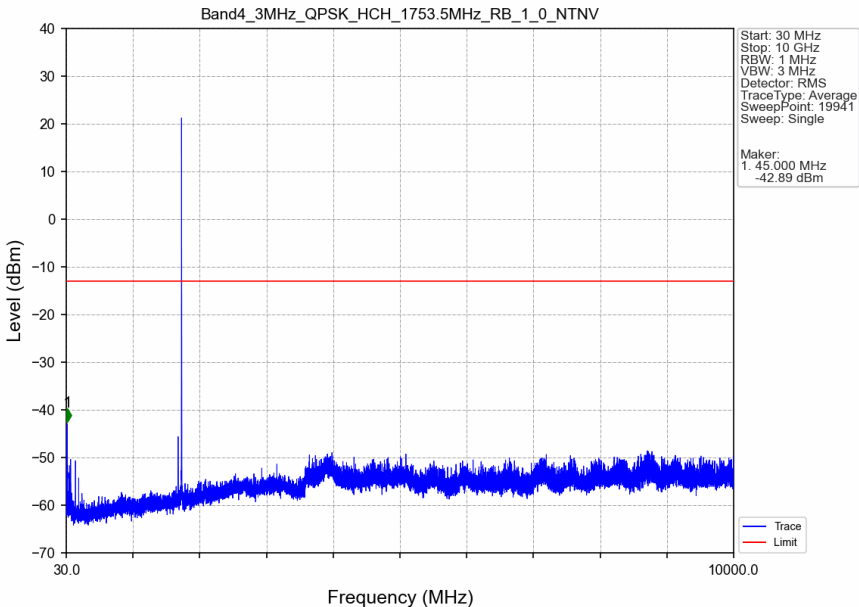
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



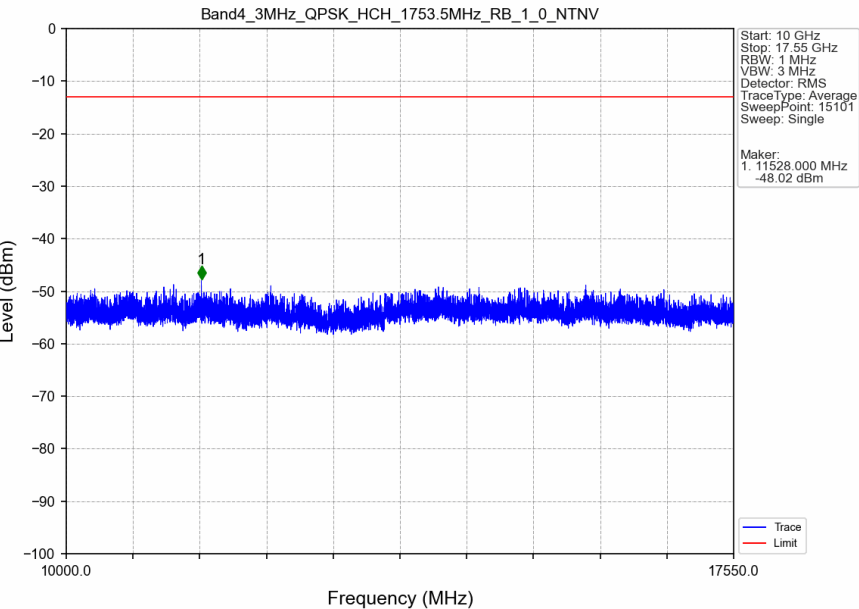
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



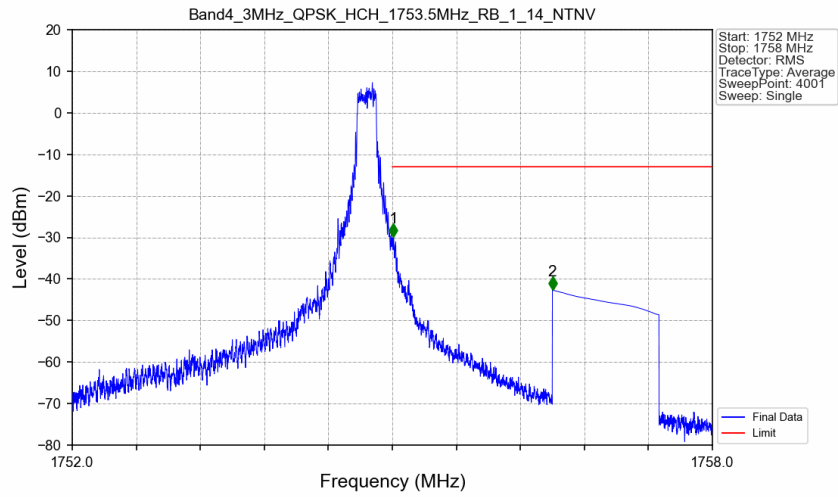
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN

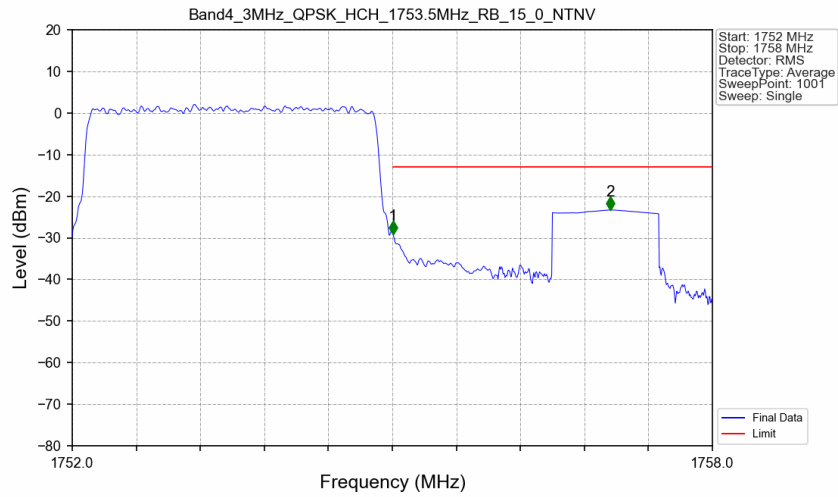


### Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



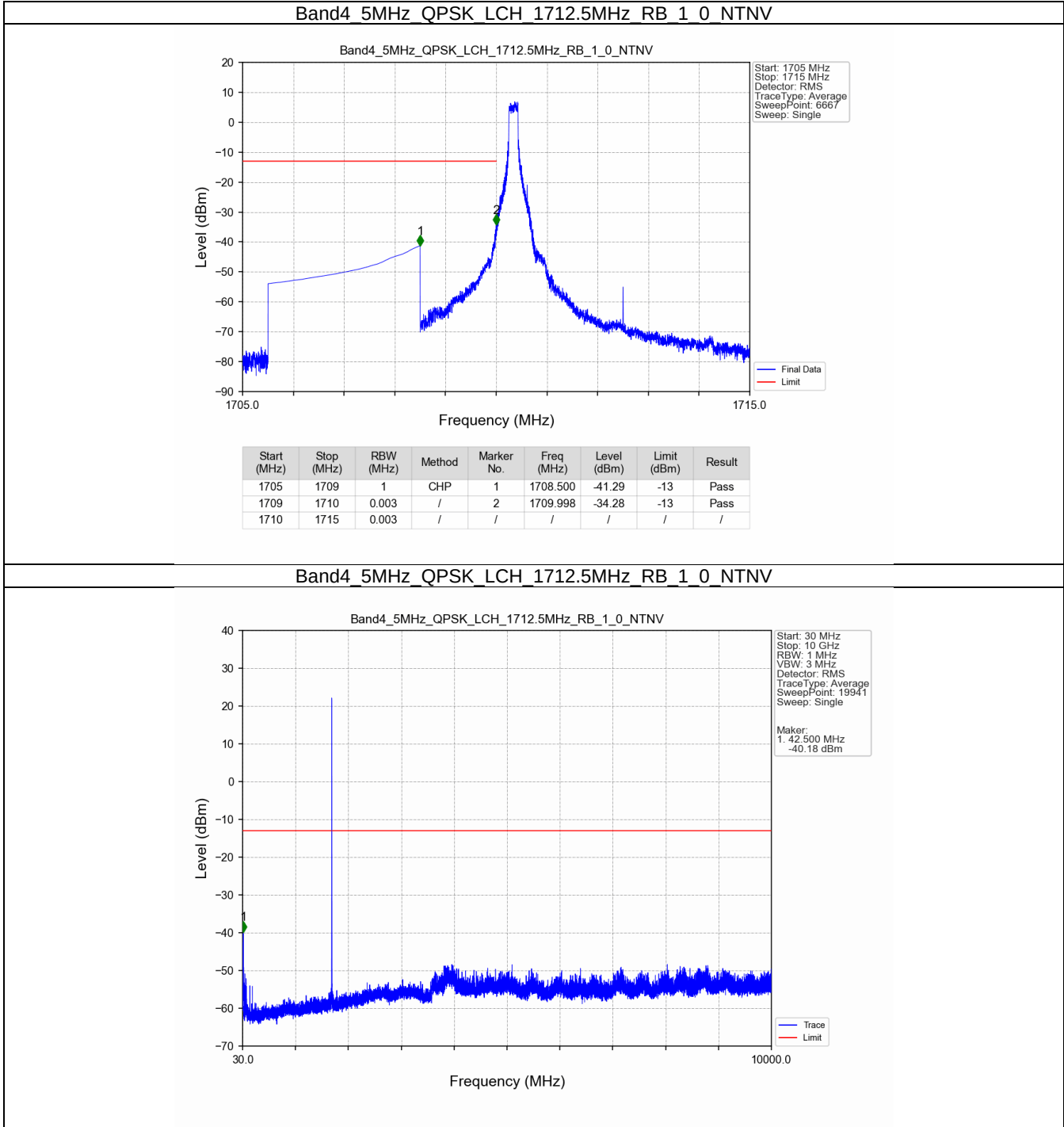
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.011   | -29.82      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -42.67      | -13         | Pass   |

### Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

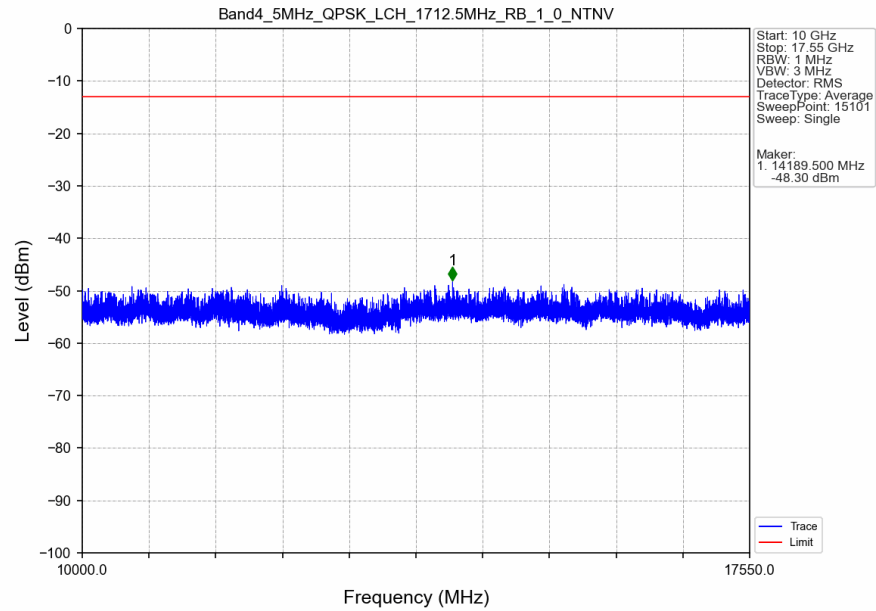


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.031     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.031     | CHP    | 1          | 1755.006   | -29.08      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1757.046   | -23.32      | -13         | Pass   |

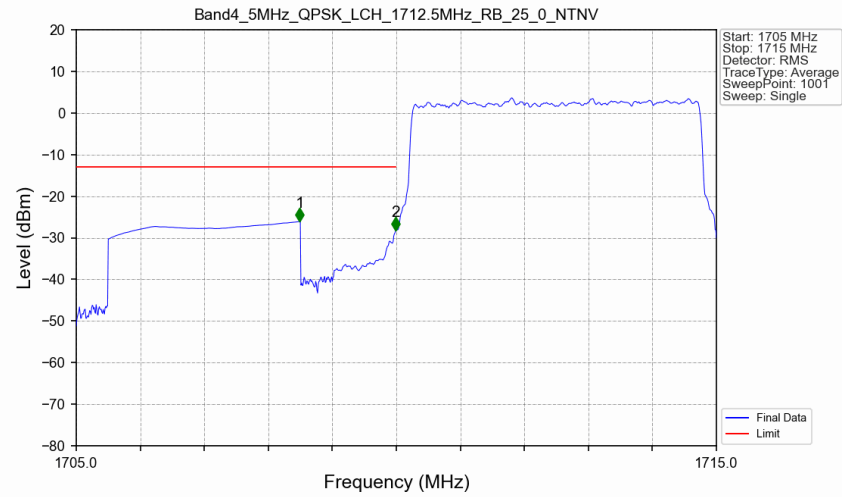
5.2.3 B4\_5MHz



Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN

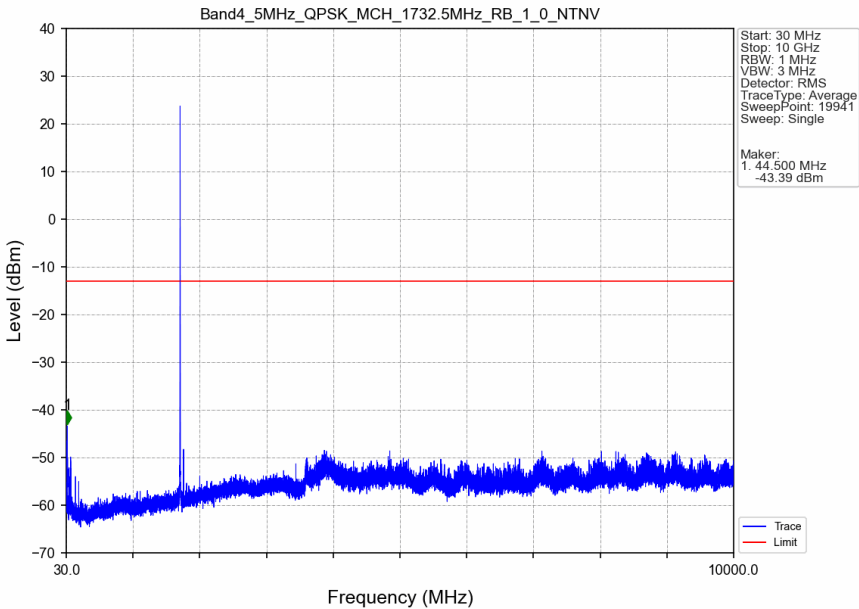


Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN

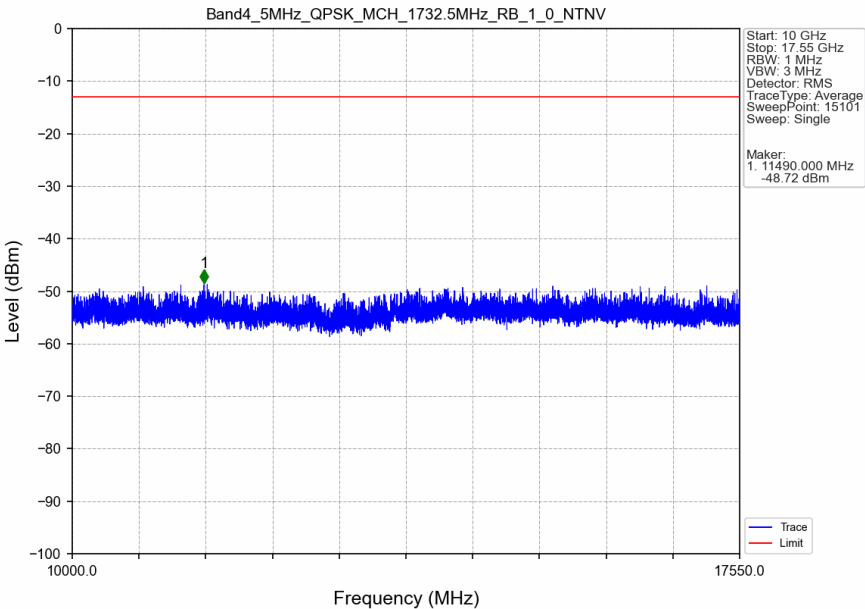


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1705        | 1709       | 1         | CHP    | 1          | 1708.490   | -26.11      | -13         | Pass   |
| 1709        | 1710       | 0.053     | CHP    | 2          | 1709.990   | -28.20      | -13         | Pass   |
| 1710        | 1715       | 0.053     | CHP    | /          | /          | /           | /           | /      |

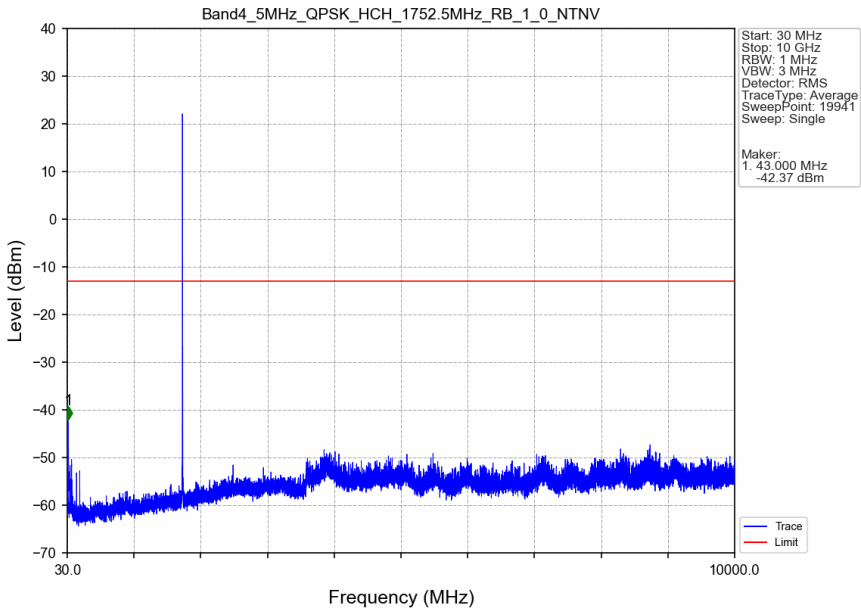
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



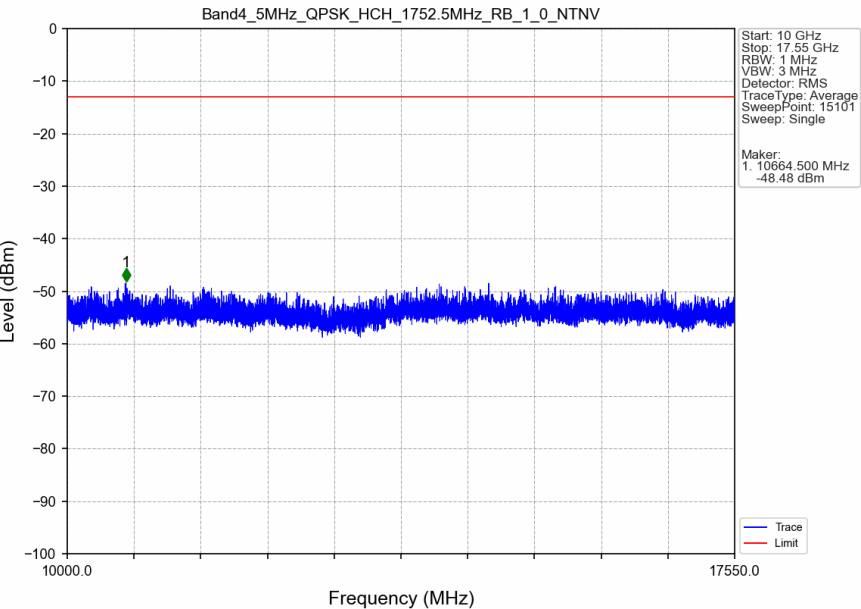
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN

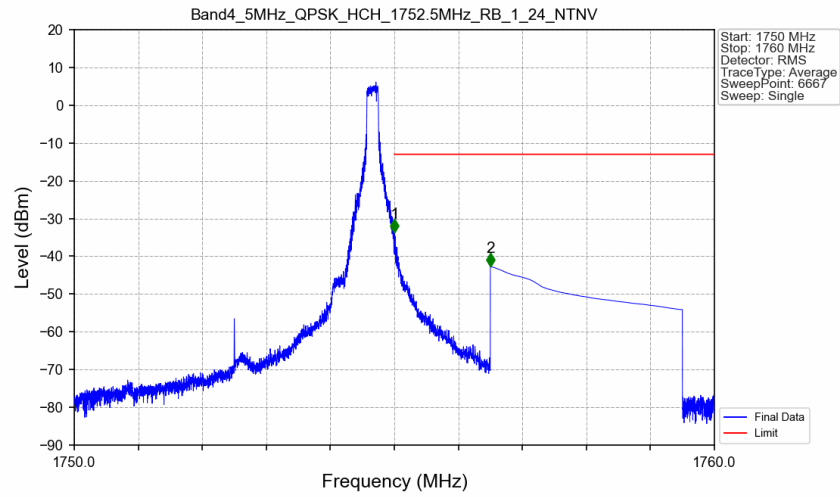


Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



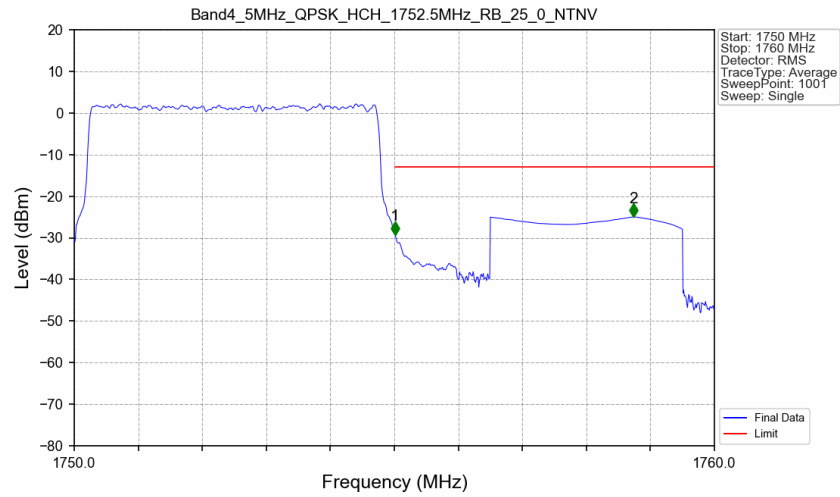


# Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



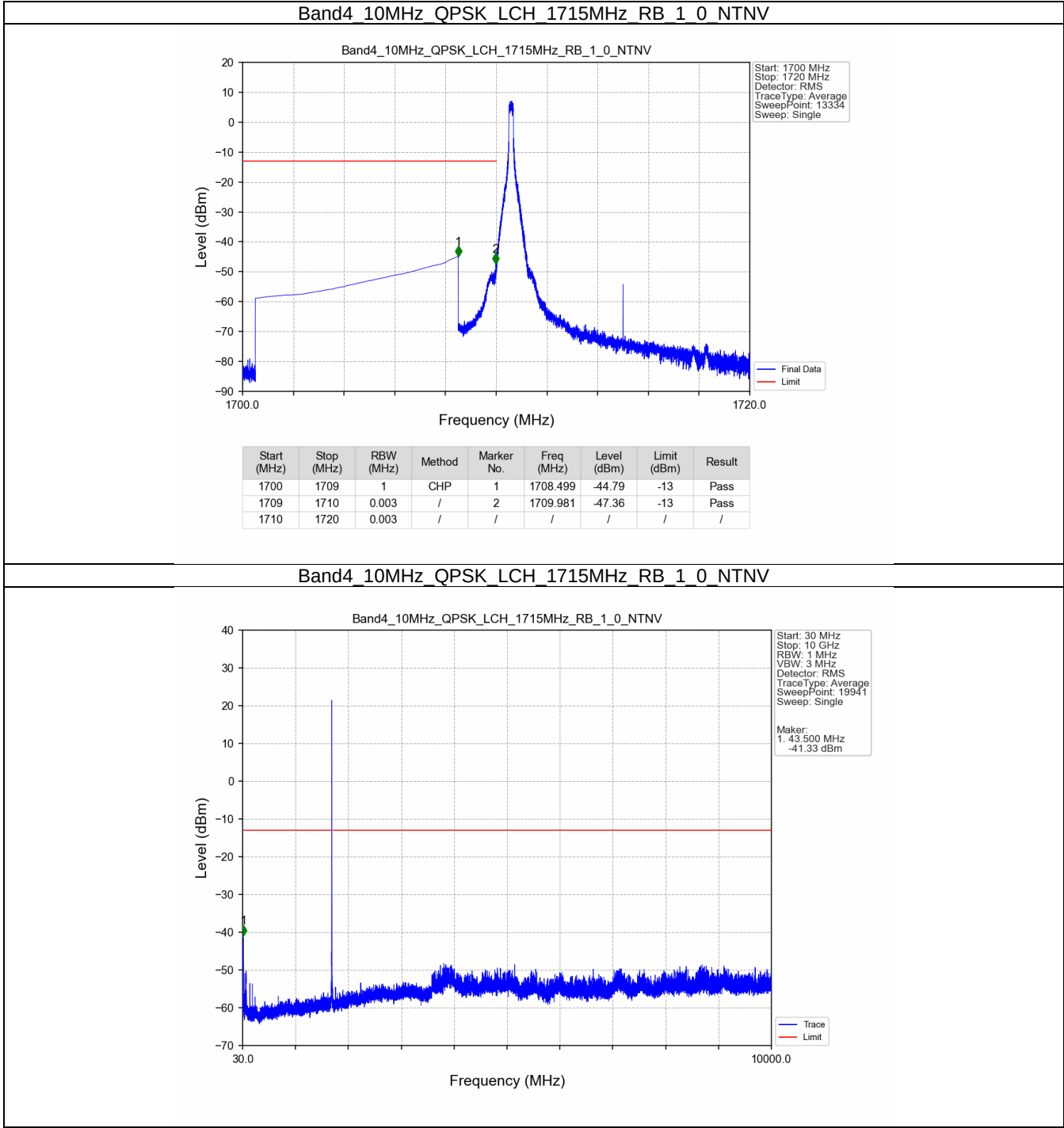
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1750        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.002   | -33.58      | -13         | Pass   |
| 1756        | 1760       | 1         | CHP    | 2          | 1756.500   | -42.67      | -13         | Pass   |

# Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

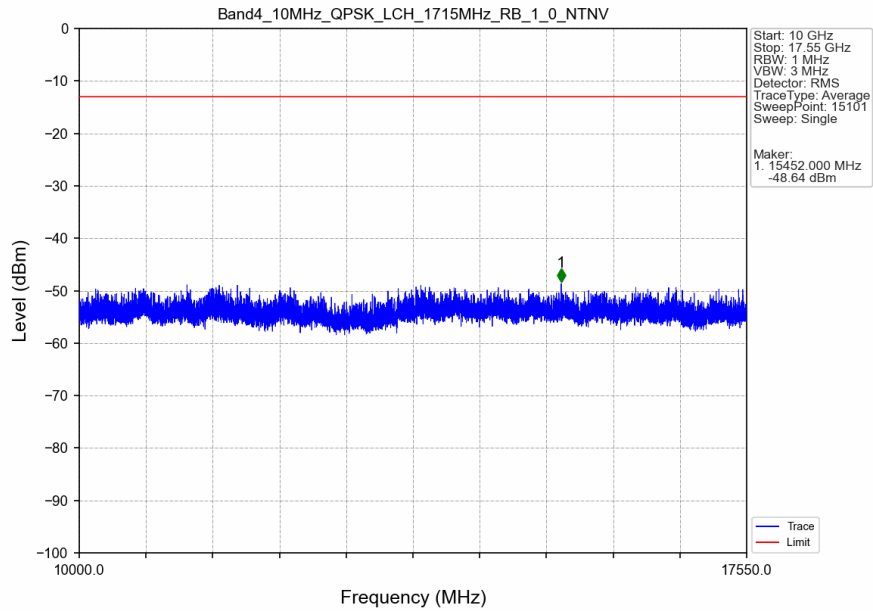


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1750        | 1755       | 0.053     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.053     | CHP    | 1          | 1755.010   | -29.22      | -13         | Pass   |
| 1756        | 1760       | 1         | CHP    | 2          | 1758.740   | -25.00      | -13         | Pass   |

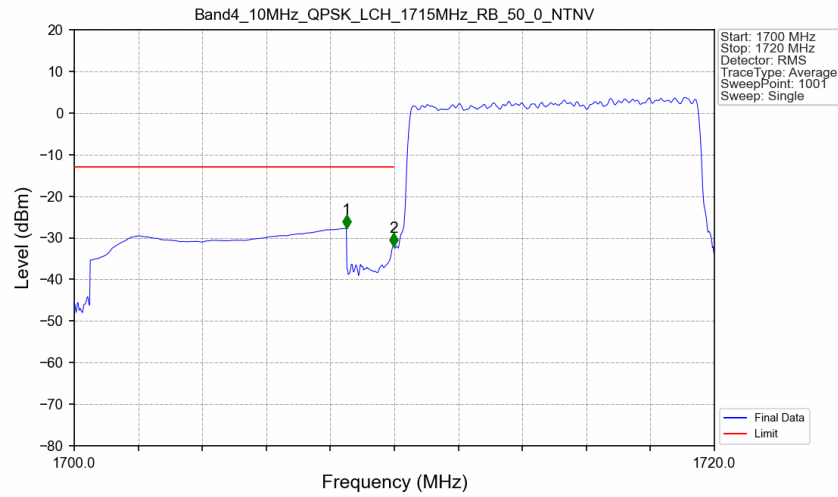
5.2.4 B4\_10MHz



# Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTNV

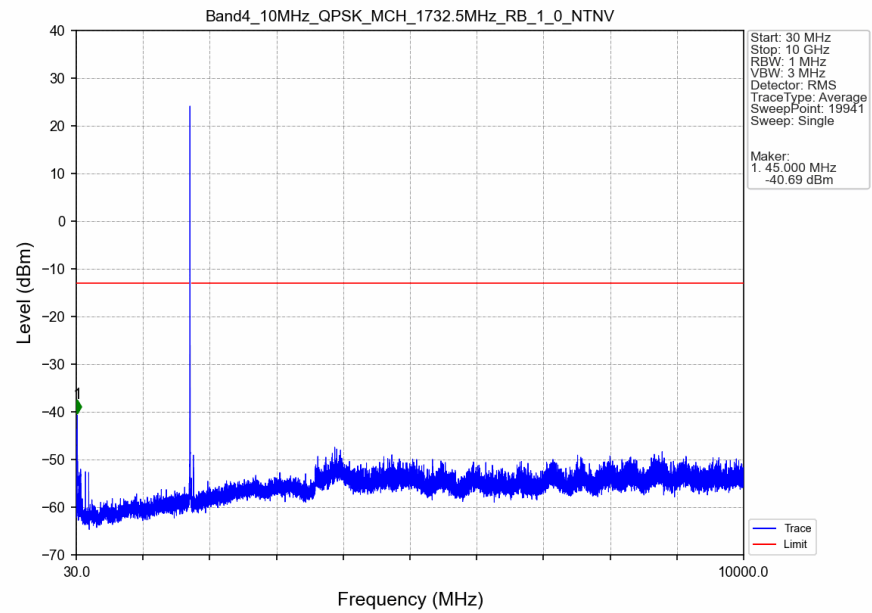


# Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

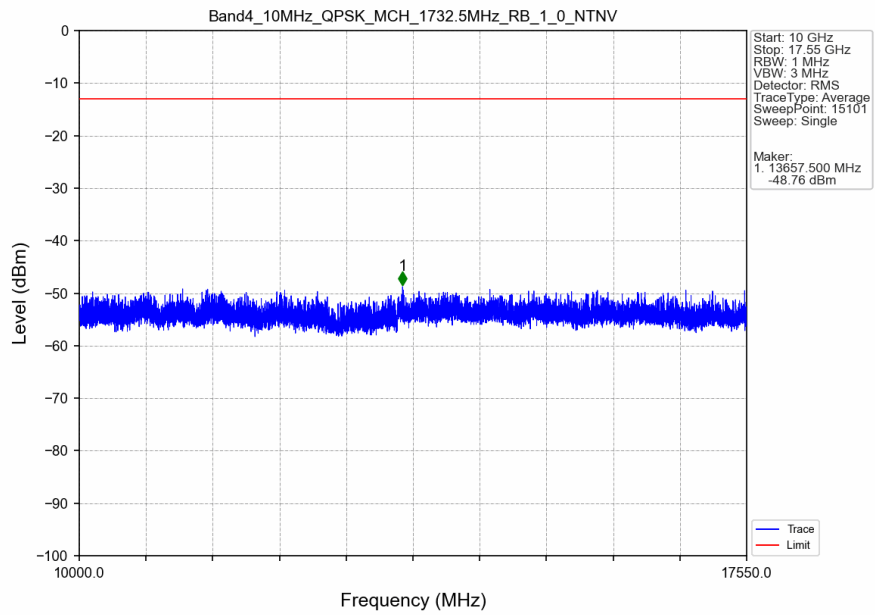


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1700        | 1709       | 1         | CHP    | 1          | 1708.500   | -27.72      | -13         | Pass   |
| 1709        | 1710       | 0.101     | CHP    | 2          | 1709.980   | -31.99      | -13         | Pass   |
| 1710        | 1720       | 0.101     | CHP    | /          | /          | /           | /           | /      |

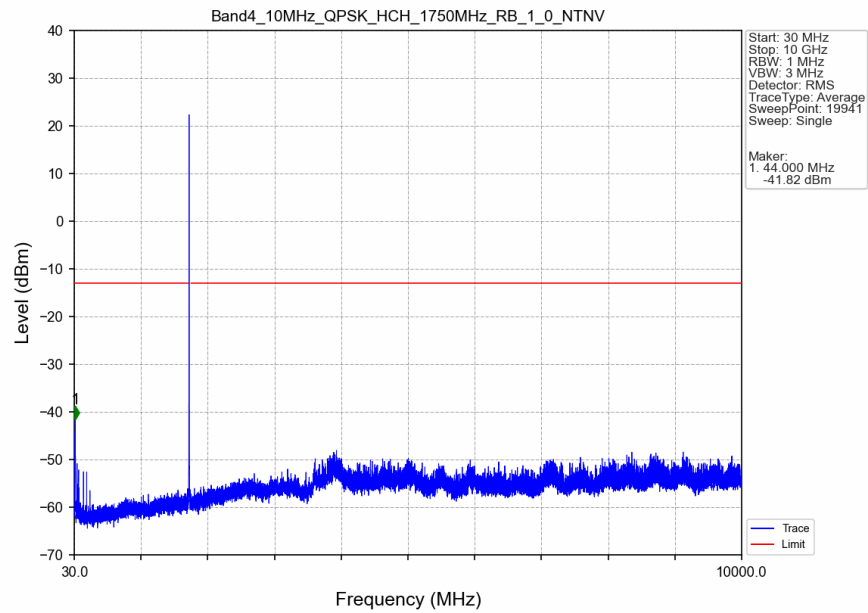
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



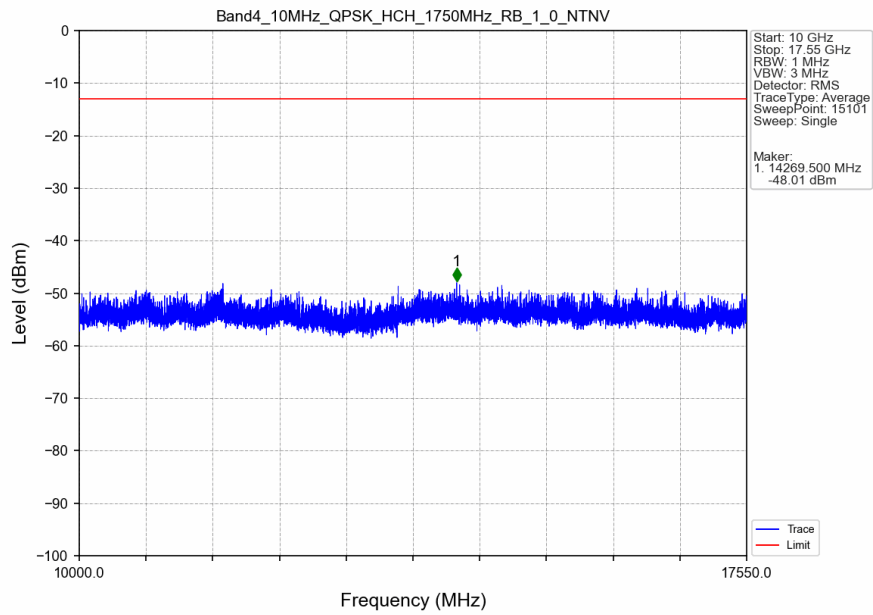
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



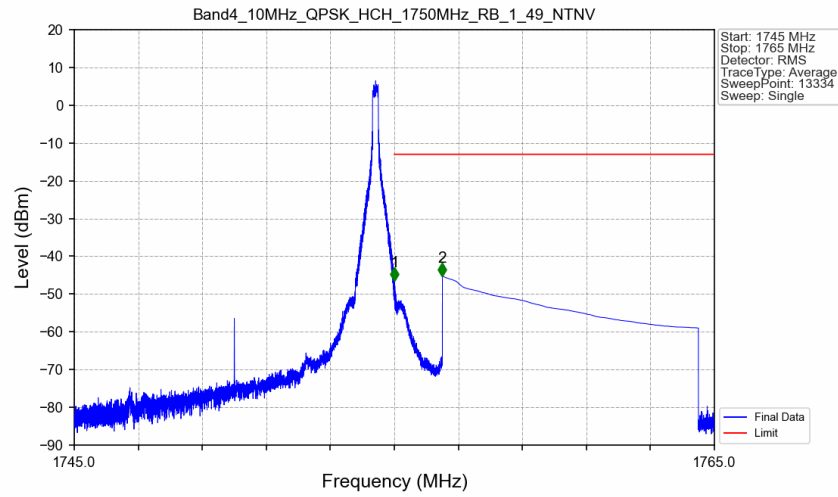
# Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN



# Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN

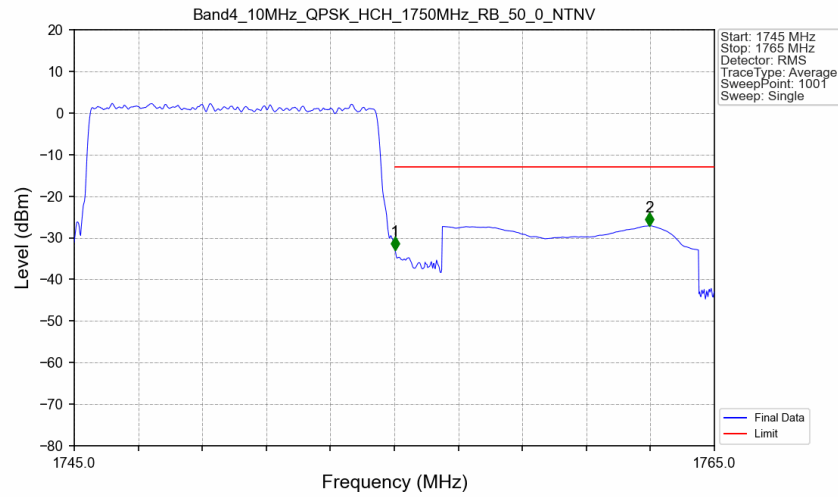


# Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



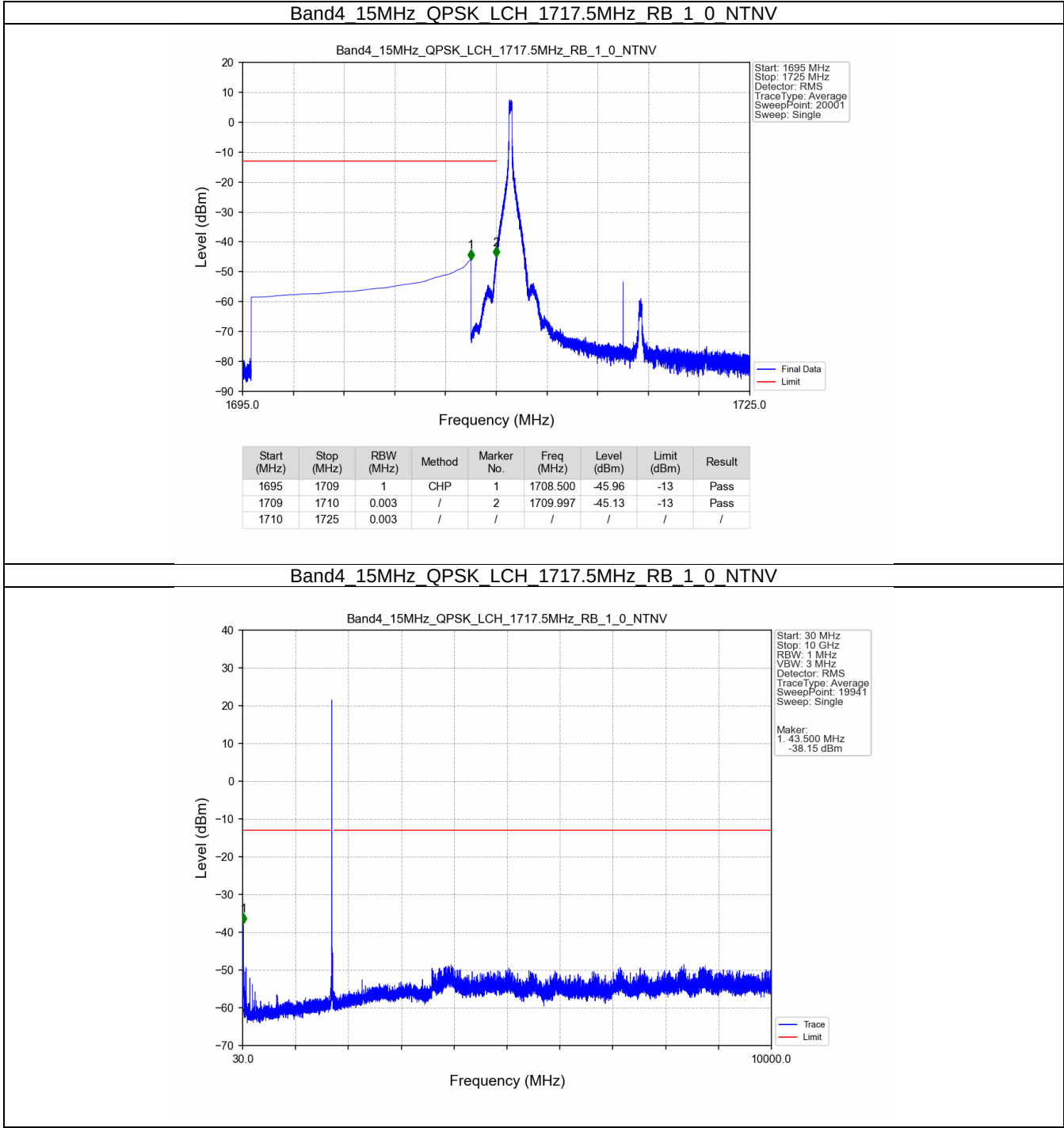
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1745        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.002   | -46.49      | -13         | Pass   |
| 1756        | 1765       | 1         | CHP    | 2          | 1756.501   | -45.21      | -13         | Pass   |

# Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

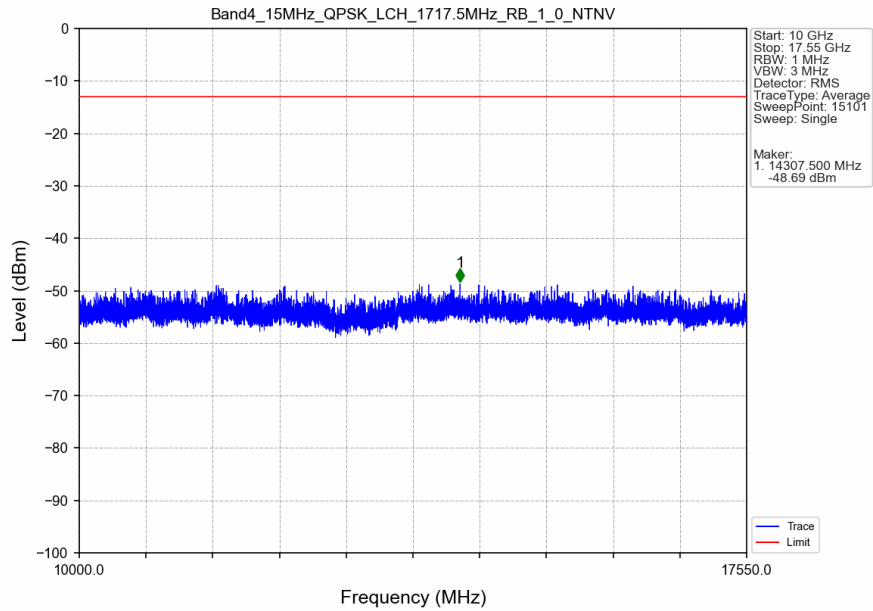


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1745        | 1755       | 0.101     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.101     | CHP    | 1          | 1755.020   | -32.94      | -13         | Pass   |
| 1756        | 1765       | 1         | CHP    | 2          | 1762.960   | -27.10      | -13         | Pass   |

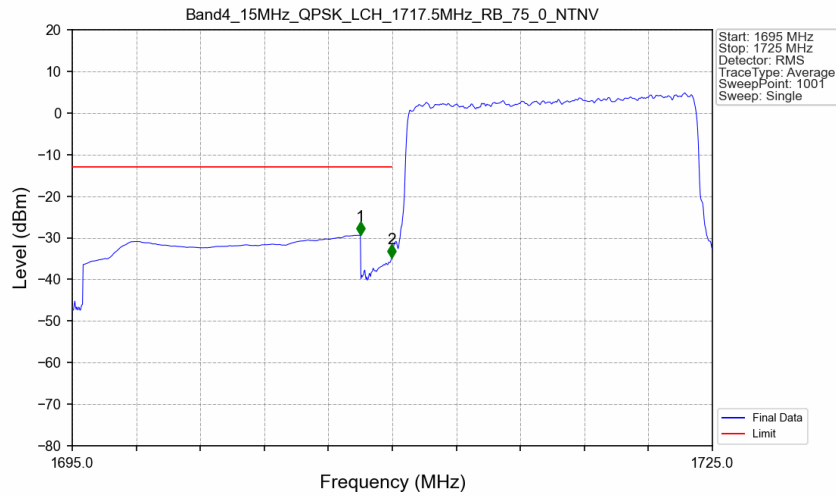
5.2.5 B4\_15MHz



# Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTV



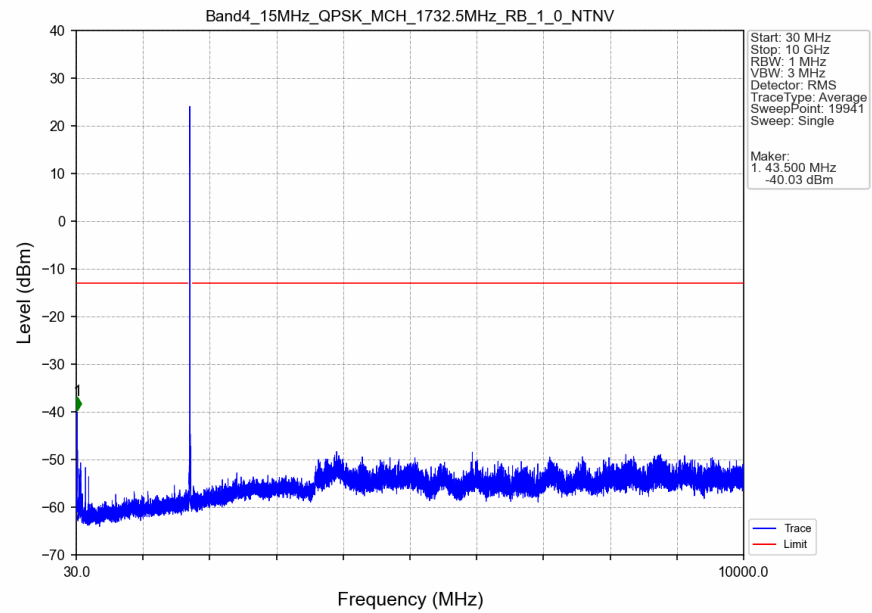
# Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTV



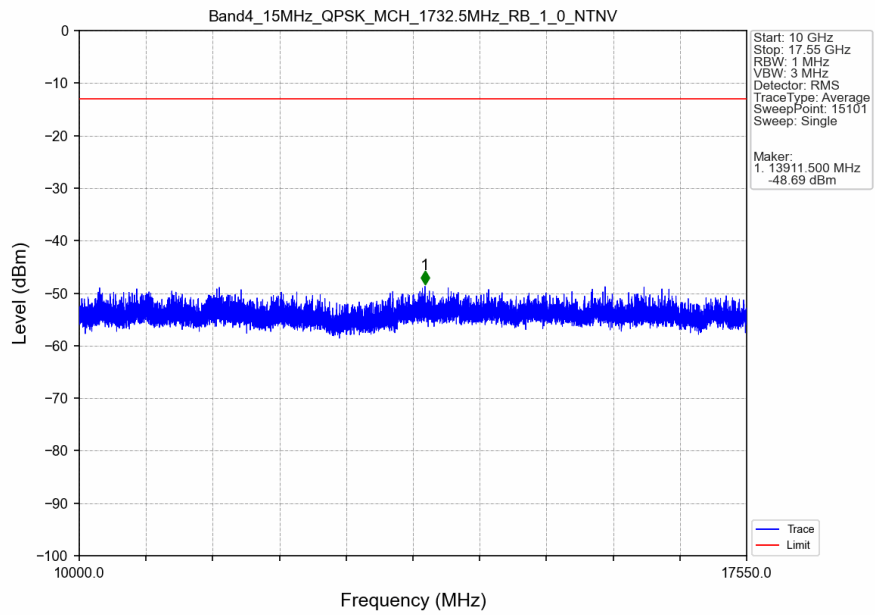
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1695        | 1709       | 1         | CHP    | 1          | 1708.500   | -29.39      | -13         | Pass   |
| 1709        | 1710       | 0.152     | CHP    | 2          | 1709.970   | -34.76      | -13         | Pass   |
| 1710        | 1725       | 0.152     | CHP    | /          | /          | /           | /           | /      |



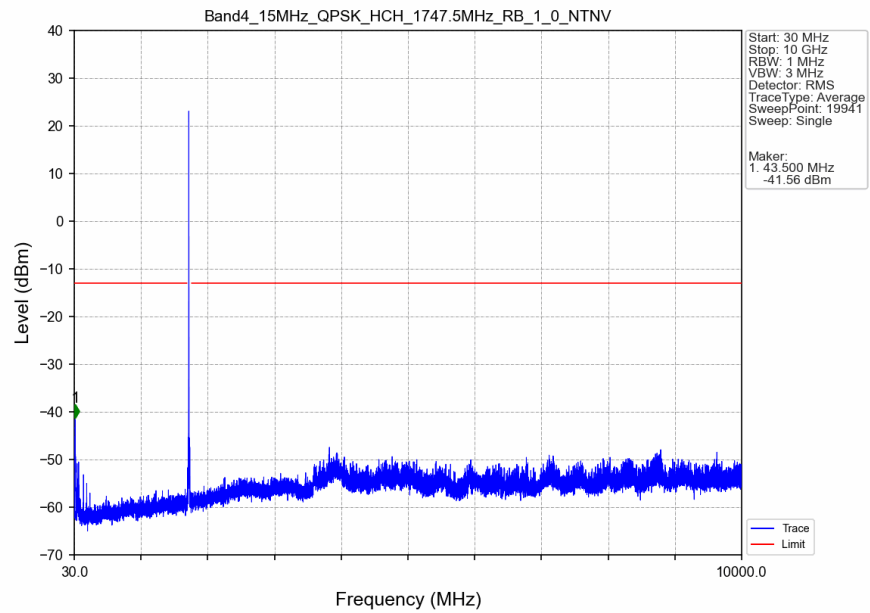
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



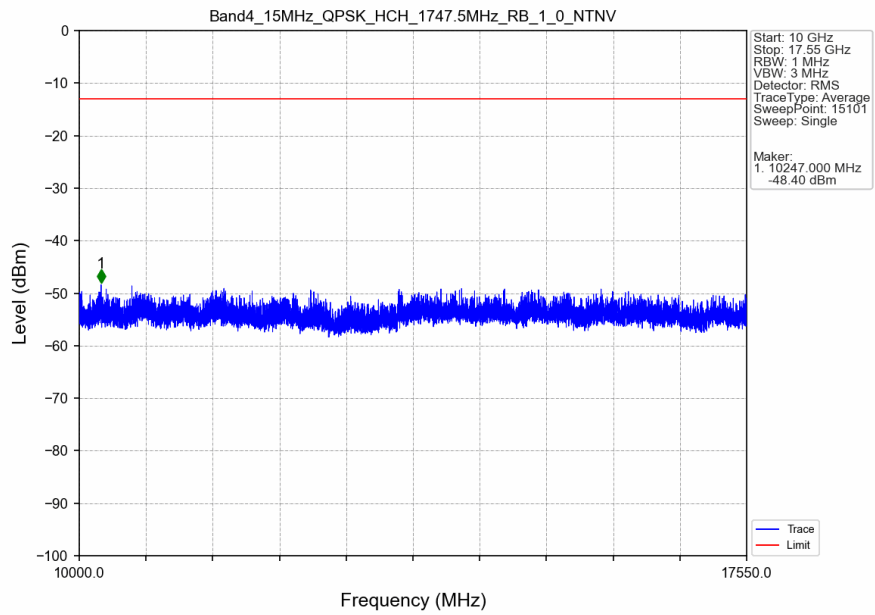
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



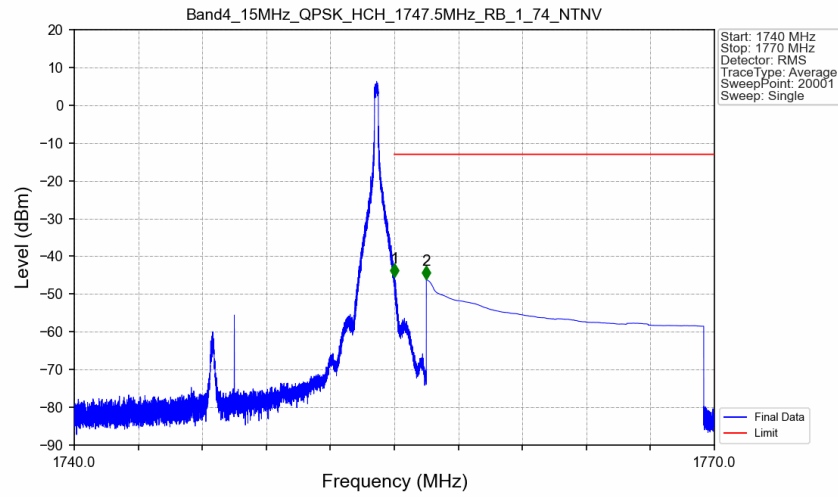
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

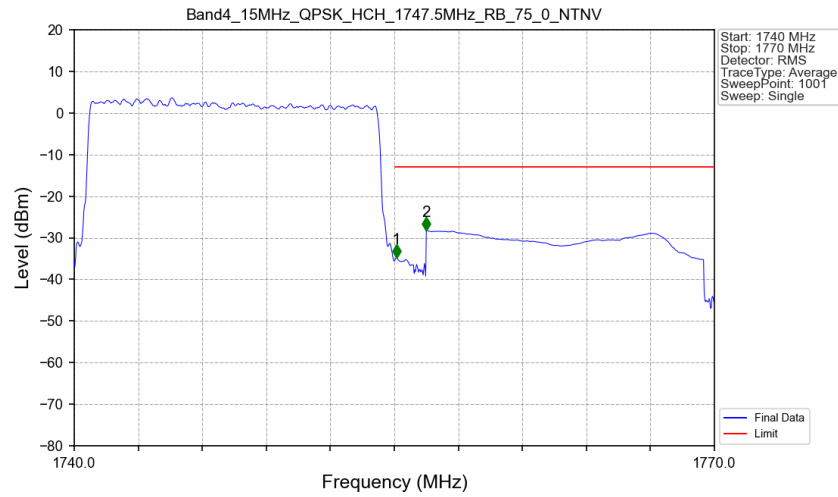


# Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



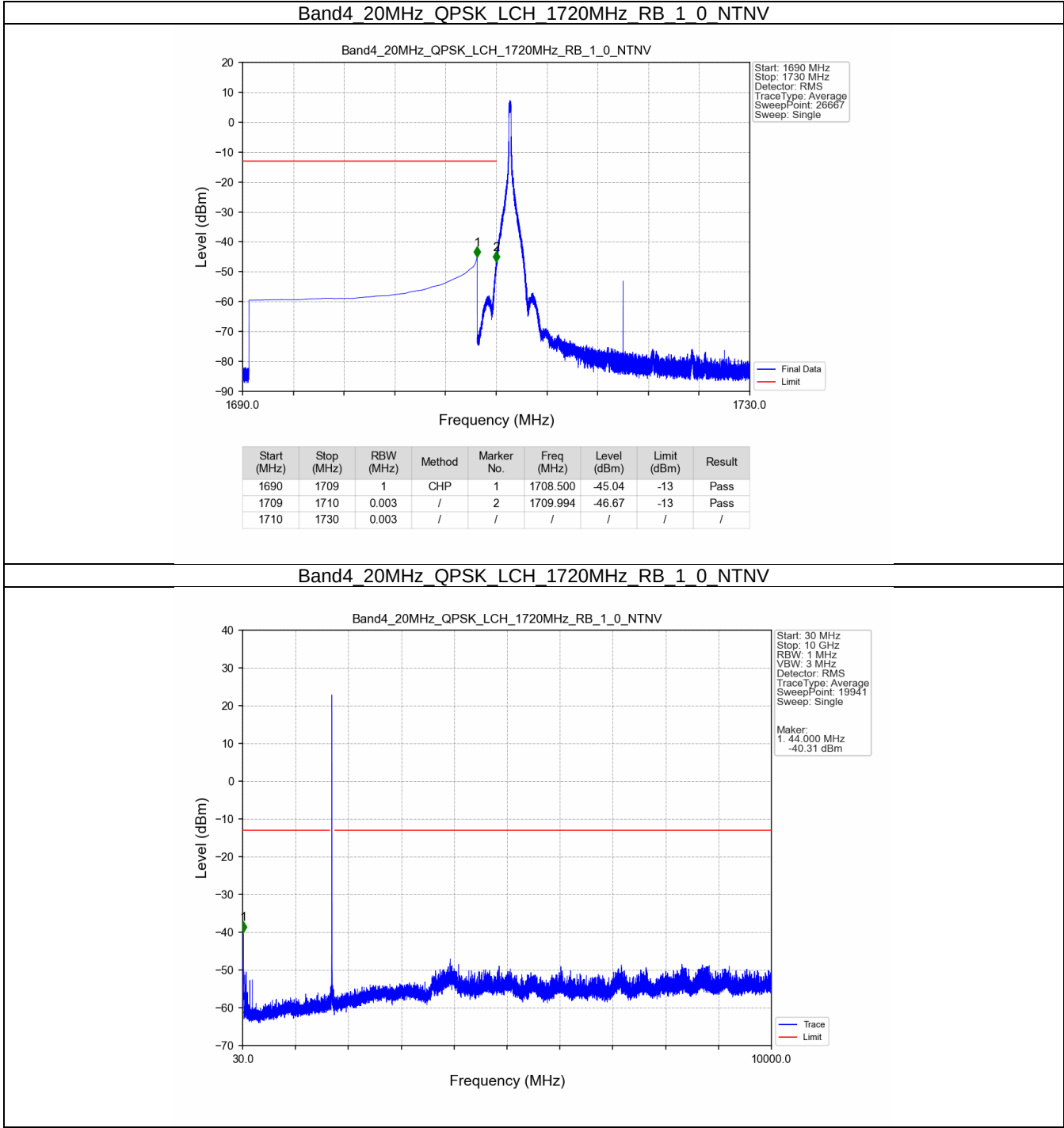
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1740        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.006   | -45.45      | -13         | Pass   |
| 1756        | 1770       | 1         | CHP    | 2          | 1756.500   | -46.13      | -13         | Pass   |

# Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTV

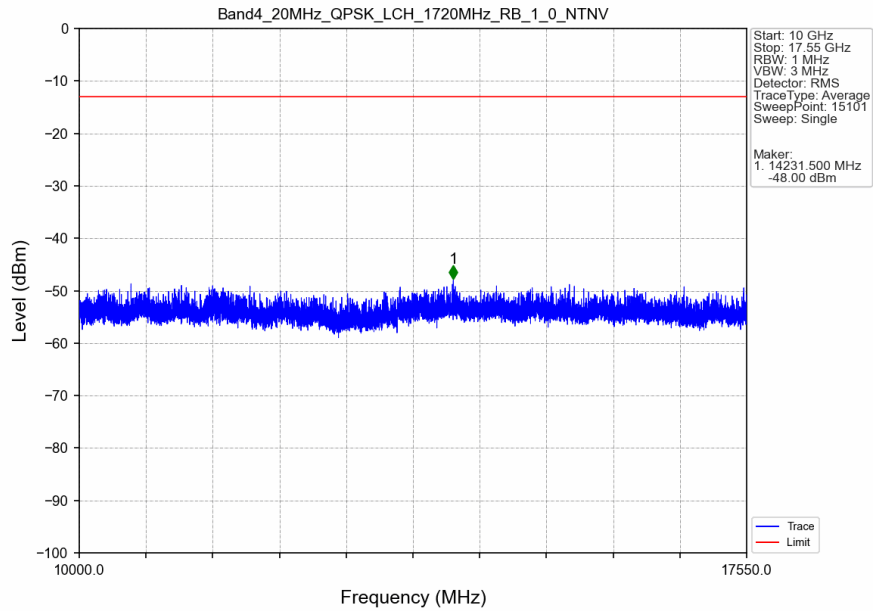


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1740        | 1755       | 0.152     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.152     | CHP    | 1          | 1755.090   | -34.78      | -13         | Pass   |
| 1756        | 1770       | 1         | CHP    | 2          | 1756.500   | -28.17      | -13         | Pass   |

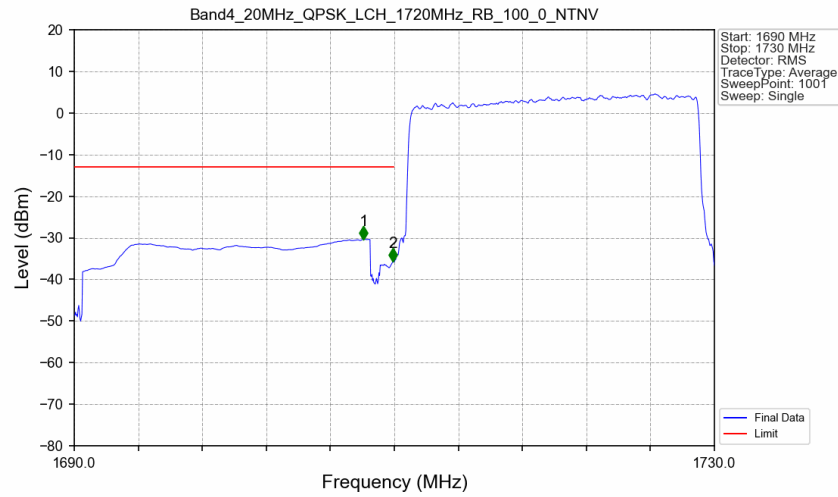
5.2.6 B4\_20MHz



# Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN

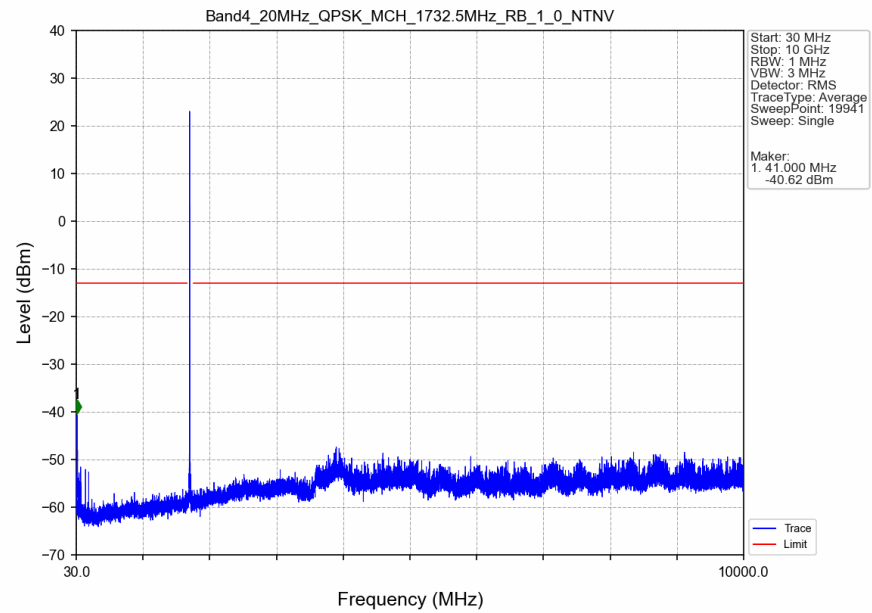


# Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN

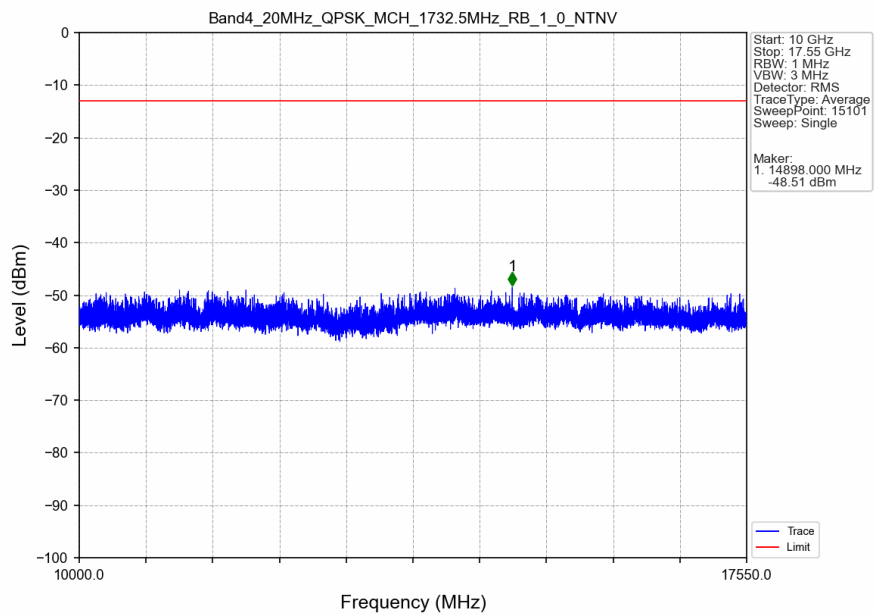


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1690        | 1709       | 1         | CHP    | 1          | 1708.080   | -30.32      | -13         | Pass   |
| 1709        | 1710       | 0.2       | CHP    | 2          | 1709.920   | -35.64      | -13         | Pass   |
| 1710        | 1730       | 0.2       | CHP    | /          | /          | /           | /           | /      |

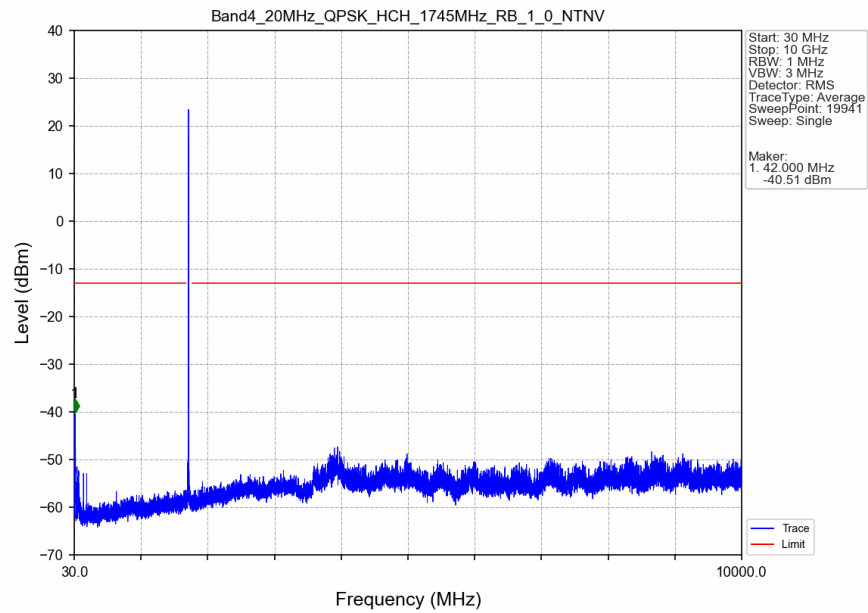
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



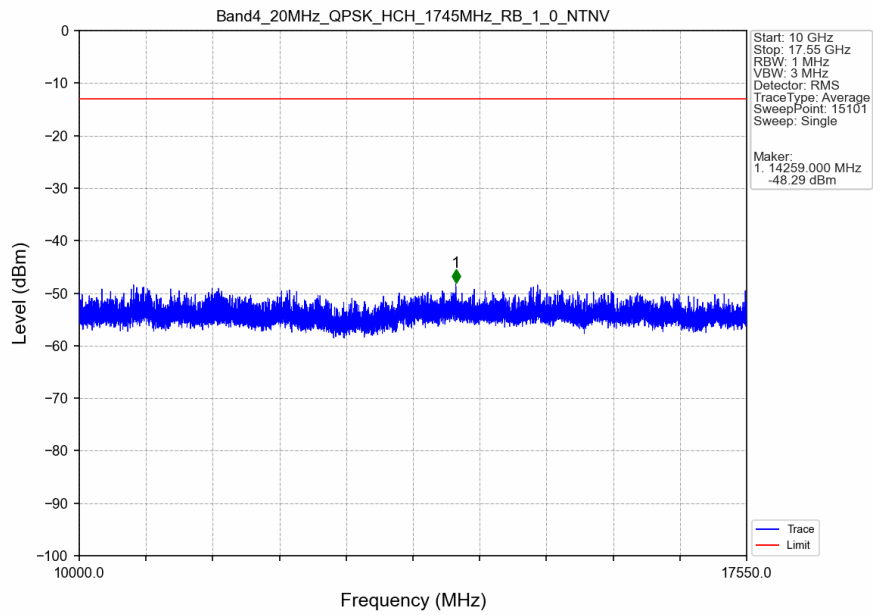
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



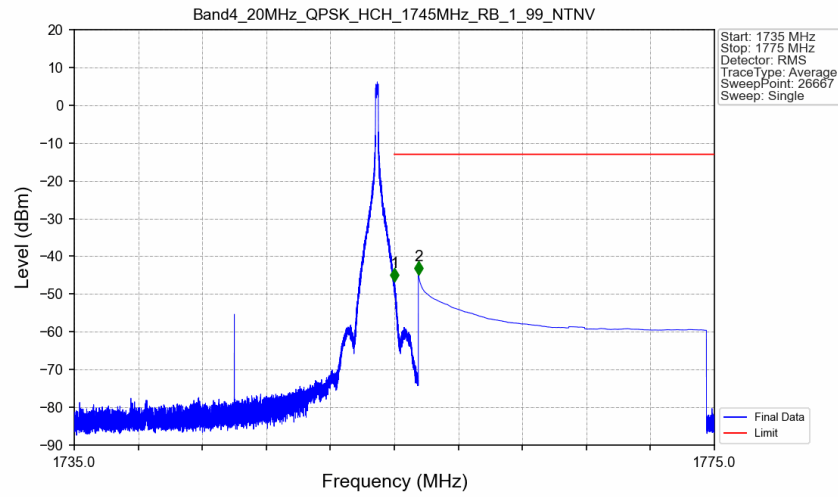
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV

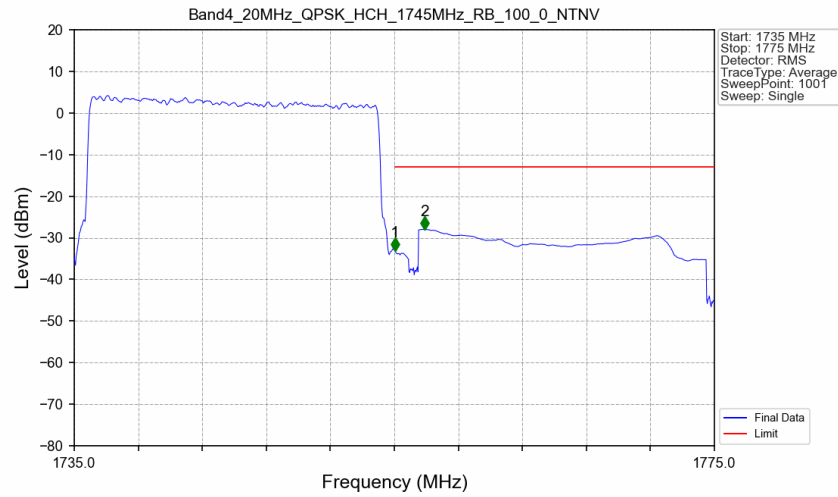


# Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1735        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.006   | -46.60      | -13         | Pass   |
| 1756        | 1775       | 1         | CHP    | 2          | 1756.500   | -44.91      | -13         | Pass   |

# Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1735        | 1755       | 0.201     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.201     | CHP    | 1          | 1755.040   | -33.06      | -13         | Pass   |
| 1756        | 1775       | 1         | CHP    | 2          | 1756.880   | -27.96      | -13         | Pass   |



## 6. Field Strength of Spurious Radiation

| LTE Band 4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                  | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3422.0                                                           | -64.15     | -13         | -51.15          | -68.77           | 3.36            | 7.98               | Horizontal         | Pass   |
| 5133.0                                                           | -63.17     | -13         | -50.17          | -68.78           | 4.61            | 10.22              | Horizontal         | Pass   |
| 6844.0                                                           | -61.3      | -13         | -48.3           | -67.33           | 4.9             | 10.93              | Horizontal         | Pass   |
| 3422.0                                                           | -59.88     | -13         | -46.88          | -64.5            | 3.36            | 7.98               | Vertical           | Pass   |
| 5133.0                                                           | -63.38     | -13         | -50.38          | -68.99           | 4.61            | 10.22              | Vertical           | Pass   |
| 6844.0                                                           | -61.16     | -13         | -48.16          | -67.19           | 4.9             | 10.93              | Vertical           | Pass   |

| LTE Band 4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|---------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                     | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3447.0                                                              | -65.69     | -13         | -52.69          | -70.36           | 3.37            | 8.04               | Horizontal         | Pass   |
| 5170.5                                                              | -63.51     | -13         | -50.51          | -69.14           | 4.62            | 10.25              | Horizontal         | Pass   |
| 6894.0                                                              | -61.58     | -13         | -48.58          | -67.67           | 4.9             | 10.99              | Horizontal         | Pass   |
| 3447.0                                                              | -64.46     | -13         | -51.46          | -69.13           | 3.37            | 8.04               | Vertical           | Pass   |
| 5170.5                                                              | -63.18     | -13         | -50.18          | -68.81           | 4.62            | 10.25              | Vertical           | Pass   |
| 6894.0                                                              | -61.19     | -13         | -48.19          | -67.28           | 4.9             | 10.99              | Vertical           | Pass   |

| LTE Band 4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                   | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3472.0                                                            | -65.01     | -13         | -52.01          | -69.72           | 3.39            | 8.1                | Horizontal         | Pass   |
| 5208.0                                                            | -63.23     | -13         | -50.23          | -68.86           | 4.64            | 10.27              | Horizontal         | Pass   |
| 6944.0                                                            | -60.93     | -13         | -47.93          | -67.08           | 4.91            | 11.06              | Horizontal         | Pass   |
| 3472.0                                                            | -64.51     | -13         | -51.51          | -69.22           | 3.39            | 8.1                | Vertical           | Pass   |
| 5208.0                                                            | -63.27     | -13         | -50.27          | -68.9            | 4.64            | 10.27              | Vertical           | Pass   |
| 6944.0                                                            | -61.13     | -13         | -48.13          | -67.28           | 4.91            | 11.06              | Vertical           | Pass   |