

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

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

| Band: 4 / Bandwidth: 1.4MHz / NTV        |                 |               |        |                       |            |            |       |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                                     | 1710.7          | 1             | 0      | 22.37                 | 0.12       | 22.49      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.62                 | 0.12       | 22.74      | <=30  | Pass    |
|                                          |                 |               | 5      | 21.67                 | 0.12       | 21.79      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 22.37                 | 0.12       | 22.49      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.60                 | 0.12       | 22.72      | <=30  | Pass    |
|                                          |                 |               | 3      | 22.11                 | 0.12       | 22.23      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 21.18                 | 0.12       | 21.30      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 23.42                 | 0.12       | 23.54      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.84                 | 0.12       | 23.96      | <=30  | Pass    |
|                                          |                 |               | 5      | 23.01                 | 0.12       | 23.13      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 23.53                 | 0.12       | 23.65      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.74                 | 0.12       | 23.86      | <=30  | Pass    |
|                                          |                 |               | 3      | 23.40                 | 0.12       | 23.52      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 22.36                 | 0.12       | 22.48      | <=30  | Pass    |
|                                          | 1754.3          | 1             | 0      | 21.83                 | 0.12       | 21.95      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.20                 | 0.12       | 22.32      | <=30  | Pass    |
|                                          |                 |               | 5      | 22.57                 | 0.12       | 22.69      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 22.30                 | 0.12       | 22.42      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.45                 | 0.12       | 22.57      | <=30  | Pass    |
|                                          |                 |               | 3      | 21.62                 | 0.12       | 21.74      | <=30  | Pass    |
| 6                                        |                 | 0             | 20.62  | 0.12                  | 20.74      | <=30       | Pass  |         |
| 16QAM                                    | 1710.7          | 1             | 0      | 21.44                 | 0.12       | 21.56      | <=30  | Pass    |
|                                          |                 |               | 2      | 21.84                 | 0.12       | 21.96      | <=30  | Pass    |
|                                          |                 |               | 5      | 20.82                 | 0.12       | 20.94      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 21.41                 | 0.12       | 21.53      | <=30  | Pass    |
|                                          |                 |               | 2      | 21.59                 | 0.12       | 21.71      | <=30  | Pass    |
|                                          |                 |               | 3      | 21.23                 | 0.12       | 21.35      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 20.07                 | 0.12       | 20.19      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 22.16                 | 0.12       | 22.28      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.68                 | 0.12       | 22.80      | <=30  | Pass    |
|                                          |                 |               | 5      | 21.90                 | 0.12       | 22.02      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 22.54                 | 0.12       | 22.66      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.74                 | 0.12       | 22.86      | <=30  | Pass    |
|                                          |                 |               | 3      | 22.40                 | 0.12       | 22.52      | <=30  | Pass    |
|                                          | 6               | 0             | 21.37  | 0.12                  | 21.49      | <=30       | Pass  |         |
|                                          | 1754.3          | 1             | 0      | 20.93                 | 0.12       | 21.05      | <=30  | Pass    |
|                                          |                 |               | 2      | 21.12                 | 0.12       | 21.24      | <=30  | Pass    |
|                                          |                 |               | 5      | 21.66                 | 0.12       | 21.78      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 21.47                 | 0.12       | 21.59      | <=30  | Pass    |
|                                          |                 |               | 2      | 21.64                 | 0.12       | 21.76      | <=30  | Pass    |
|                                          |                 |               | 3      | 20.65                 | 0.12       | 20.77      | <=30  | Pass    |
| 6                                        |                 | 0             | 19.69  | 0.12                  | 19.81      | <=30       | Pass  |         |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |       |         |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B4\_3MHz\_EIRP

| Band: 4 / Bandwidth: 3MHz / NTNV         |                 |               |        |                       |            |            |       |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                                     | 1711.5          | 1             | 0      | 22.15                 | 0.12       | 22.27      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.59                 | 0.12       | 22.71      | <=30  | Pass    |
|                                          |                 |               | 14     | 20.97                 | 0.12       | 21.09      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 21.26                 | 0.12       | 21.38      | <=30  | Pass    |
|                                          |                 |               | 4      | 21.43                 | 0.12       | 21.55      | <=30  | Pass    |
|                                          |                 |               | 7      | 21.10                 | 0.12       | 21.22      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 21.14                 | 0.12       | 21.26      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 23.38                 | 0.12       | 23.50      | <=30  | Pass    |
|                                          |                 |               | 7      | 24.01                 | 0.12       | 24.13      | <=30  | Pass    |
|                                          |                 |               | 14     | 22.47                 | 0.12       | 22.59      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 22.41                 | 0.12       | 22.53      | <=30  | Pass    |
|                                          |                 |               | 4      | 22.68                 | 0.12       | 22.80      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.42                 | 0.12       | 22.54      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 22.40                 | 0.12       | 22.52      | <=30  | Pass    |
|                                          | 1753.5          | 1             | 0      | 21.62                 | 0.12       | 21.74      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.46                 | 0.12       | 22.58      | <=30  | Pass    |
|                                          |                 |               | 14     | 21.73                 | 0.12       | 21.85      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 20.72                 | 0.12       | 20.84      | <=30  | Pass    |
|                                          |                 |               | 4      | 20.93                 | 0.12       | 21.05      | <=30  | Pass    |
|                                          |                 |               | 7      | 20.62                 | 0.12       | 20.74      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 20.67                 | 0.12       | 20.79      | <=30  | Pass    |
| 16QAM                                    | 1711.5          | 1             | 0      | 21.73                 | 0.12       | 21.85      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.21                 | 0.12       | 22.33      | <=30  | Pass    |
|                                          |                 |               | 14     | 20.40                 | 0.12       | 20.52      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 20.22                 | 0.12       | 20.34      | <=30  | Pass    |
|                                          |                 |               | 4      | 20.45                 | 0.12       | 20.57      | <=30  | Pass    |
|                                          |                 |               | 7      | 20.16                 | 0.12       | 20.28      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 20.09                 | 0.12       | 20.21      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 22.58                 | 0.12       | 22.70      | <=30  | Pass    |
|                                          |                 |               | 7      | 23.05                 | 0.12       | 23.17      | <=30  | Pass    |
|                                          |                 |               | 14     | 21.46                 | 0.12       | 21.58      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 21.47                 | 0.12       | 21.59      | <=30  | Pass    |
|                                          |                 |               | 4      | 21.74                 | 0.12       | 21.86      | <=30  | Pass    |
|                                          |                 |               | 7      | 21.49                 | 0.12       | 21.61      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 21.43                 | 0.12       | 21.55      | <=30  | Pass    |
|                                          | 1753.5          | 1             | 0      | 20.64                 | 0.12       | 20.76      | <=30  | Pass    |
|                                          |                 |               | 7      | 21.19                 | 0.12       | 21.31      | <=30  | Pass    |
|                                          |                 |               | 14     | 20.76                 | 0.12       | 20.88      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 19.98                 | 0.12       | 20.10      | <=30  | Pass    |
| 4                                        |                 |               | 20.05  | 0.12                  | 20.17      | <=30       | Pass  |         |
| 7                                        |                 |               | 19.74  | 0.12                  | 19.86      | <=30       | Pass  |         |
| 15                                       |                 | 0             | 19.78  | 0.12                  | 19.90      | <=30       | Pass  |         |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |       |         |

### 1.1.3 B4\_5MHz\_EIRP

| Band: 4 / Bandwidth: 5MHz / NTNV         |                 |               |        |                       |            |            |       |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit |         |      |
| QPSK                                     | 1712.5          | 1             | 0      | 22.38                 | 0.12       | 22.50      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 21.92                 | 0.12       | 22.04      | <=30  | Pass    |      |
|                                          |                 |               | 24     | 21.52                 | 0.12       | 21.64      | <=30  | Pass    |      |
|                                          |                 | 12            | 0      | 21.14                 | 0.12       | 21.26      | <=30  | Pass    |      |
|                                          |                 |               | 6      | 21.04                 | 0.12       | 21.16      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 21.35                 | 0.12       | 21.47      | <=30  | Pass    |      |
|                                          |                 | 25            | 0      | 21.07                 | 0.12       | 21.19      | <=30  | Pass    |      |
|                                          |                 | 1732.5        | 1      | 0                     | 23.45      | 0.12       | 23.57 | <=30    | Pass |
|                                          |                 |               |        | 13                    | 23.46      | 0.12       | 23.58 | <=30    | Pass |
|                                          | 24              |               |        | 22.62                 | 0.12       | 22.74      | <=30  | Pass    |      |
|                                          | 12              |               | 0      | 22.61                 | 0.12       | 22.73      | <=30  | Pass    |      |
|                                          |                 |               | 6      | 22.63                 | 0.12       | 22.75      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 22.60                 | 0.12       | 22.72      | <=30  | Pass    |      |
|                                          | 25              | 0             | 22.59  | 0.12                  | 22.71      | <=30       | Pass  |         |      |
|                                          | 1752.5          | 1             | 0      | 22.15                 | 0.12       | 22.27      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 21.90                 | 0.12       | 22.02      | <=30  | Pass    |      |
|                                          |                 |               | 24     | 22.41                 | 0.12       | 22.53      | <=30  | Pass    |      |
|                                          |                 | 12            | 0      | 20.76                 | 0.12       | 20.88      | <=30  | Pass    |      |
|                                          |                 |               | 6      | 20.66                 | 0.12       | 20.78      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 21.40                 | 0.12       | 21.52      | <=30  | Pass    |      |
|                                          |                 | 25            | 0      | 20.72                 | 0.12       | 20.84      | <=30  | Pass    |      |
| 16QAM                                    |                 | 1712.5        | 1      | 0                     | 21.22      | 0.12       | 21.34 | <=30    | Pass |
|                                          |                 |               |        | 13                    | 20.83      | 0.12       | 20.95 | <=30    | Pass |
|                                          | 24              |               |        | 20.46                 | 0.12       | 20.58      | <=30  | Pass    |      |
|                                          | 12              |               | 0      | 20.25                 | 0.12       | 20.37      | <=30  | Pass    |      |
|                                          |                 |               | 6      | 20.15                 | 0.12       | 20.27      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 20.38                 | 0.12       | 20.50      | <=30  | Pass    |      |
|                                          | 25              |               | 0      | 20.20                 | 0.12       | 20.32      | <=30  | Pass    |      |
|                                          | 1732.5          | 1             | 0      | 22.82                 | 0.12       | 22.94      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 22.77                 | 0.12       | 22.89      | <=30  | Pass    |      |
|                                          |                 |               | 24     | 22.03                 | 0.12       | 22.15      | <=30  | Pass    |      |
|                                          |                 | 12            | 0      | 21.50                 | 0.12       | 21.62      | <=30  | Pass    |      |
|                                          |                 |               | 6      | 21.54                 | 0.12       | 21.66      | <=30  | Pass    |      |
|                                          | 13              |               | 21.52  | 0.12                  | 21.64      | <=30       | Pass  |         |      |
|                                          | 25              | 0             | 21.44  | 0.12                  | 21.56      | <=30       | Pass  |         |      |
|                                          | 1752.5          | 1             | 0      | 21.43                 | 0.12       | 21.55      | <=30  | Pass    |      |
|                                          |                 |               | 13     | 21.08                 | 0.12       | 21.20      | <=30  | Pass    |      |
|                                          |                 |               | 24     | 21.63                 | 0.12       | 21.75      | <=30  | Pass    |      |
|                                          |                 | 12            | 0      | 19.85                 | 0.12       | 19.97      | <=30  | Pass    |      |
| 6                                        |                 |               | 19.74  | 0.12                  | 19.86      | <=30       | Pass  |         |      |
| 13                                       |                 |               | 20.29  | 0.12                  | 20.41      | <=30       | Pass  |         |      |
| 25                                       |                 | 0             | 19.85  | 0.12                  | 19.97      | <=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      | 21.98                 | 0.12       | 22.10      | <=30  | Pass    |
|                                          |                 |               | 25     | 21.90                 | 0.12       | 22.02      | <=30  | Pass    |
|                                          |                 |               | 49     | 22.26                 | 0.12       | 22.38      | <=30  | Pass    |
|                                          |                 | 25            | 0      | 21.22                 | 0.12       | 21.34      | <=30  | Pass    |
|                                          |                 |               | 13     | 21.10                 | 0.12       | 21.22      | <=30  | Pass    |
|                                          |                 |               | 25     | 21.73                 | 0.12       | 21.85      | <=30  | Pass    |
|                                          |                 | 50            | 0      | 21.37                 | 0.12       | 21.49      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 23.93                 | 0.12       | 24.05      | <=30  | Pass    |
|                                          |                 |               | 25     | 23.96                 | 0.12       | 24.08      | <=30  | Pass    |
|                                          |                 |               | 49     | 23.62                 | 0.12       | 23.74      | <=30  | Pass    |
|                                          |                 | 25            | 0      | 23.11                 | 0.12       | 23.23      | <=30  | Pass    |
|                                          |                 |               | 13     | 23.22                 | 0.12       | 23.34      | <=30  | Pass    |
|                                          |                 |               | 25     | 23.14                 | 0.12       | 23.26      | <=30  | Pass    |
|                                          |                 | 50            | 0      | 23.12                 | 0.12       | 23.24      | <=30  | Pass    |
|                                          | 1750            | 1             | 0      | 22.89                 | 0.12       | 23.01      | <=30  | Pass    |
|                                          |                 |               | 25     | 22.56                 | 0.12       | 22.68      | <=30  | Pass    |
|                                          |                 |               | 49     | 22.73                 | 0.12       | 22.85      | <=30  | Pass    |
|                                          |                 | 25            | 0      | 21.61                 | 0.12       | 21.73      | <=30  | Pass    |
|                                          |                 |               | 13     | 21.30                 | 0.12       | 21.42      | <=30  | Pass    |
|                                          |                 |               | 25     | 21.75                 | 0.12       | 21.87      | <=30  | Pass    |
|                                          |                 | 50            | 0      | 21.65                 | 0.12       | 21.77      | <=30  | Pass    |
| 16QAM                                    | 1715            | 1             | 0      | 21.87                 | 0.12       | 21.99      | <=30  | Pass    |
|                                          |                 |               | 25     | 21.74                 | 0.12       | 21.86      | <=30  | Pass    |
|                                          |                 |               | 49     | 21.99                 | 0.12       | 22.11      | <=30  | Pass    |
|                                          |                 | 12            | 0      | 21.58                 | 0.12       | 21.70      | <=30  | Pass    |
|                                          |                 |               | 19     | 21.42                 | 0.12       | 21.54      | <=30  | Pass    |
|                                          |                 |               | 38     | 22.14                 | 0.12       | 22.26      | <=30  | Pass    |
|                                          |                 | 27            | 0      | 20.56                 | 0.12       | 20.68      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 23.19                 | 0.12       | 23.31      | <=30  | Pass    |
|                                          |                 |               | 25     | 23.33                 | 0.12       | 23.45      | <=30  | Pass    |
|                                          |                 |               | 49     | 23.00                 | 0.12       | 23.12      | <=30  | Pass    |
|                                          |                 | 12            | 0      | 22.94                 | 0.12       | 23.06      | <=30  | Pass    |
|                                          |                 |               | 19     | 23.20                 | 0.12       | 23.32      | <=30  | Pass    |
|                                          |                 |               | 38     | 22.99                 | 0.12       | 23.11      | <=30  | Pass    |
|                                          |                 | 27            | 0      | 21.95                 | 0.12       | 22.07      | <=30  | Pass    |
|                                          | 1750            | 1             | 0      | 21.96                 | 0.12       | 22.08      | <=30  | Pass    |
|                                          |                 |               | 25     | 21.58                 | 0.12       | 21.70      | <=30  | Pass    |
|                                          |                 |               | 49     | 21.79                 | 0.12       | 21.91      | <=30  | Pass    |
|                                          |                 | 12            | 0      | 21.79                 | 0.12       | 21.91      | <=30  | Pass    |
|                                          |                 |               | 19     | 21.69                 | 0.12       | 21.81      | <=30  | Pass    |
|                                          |                 |               | 38     | 21.58                 | 0.12       | 21.70      | <=30  | Pass    |
|                                          |                 | 27            | 23     | 20.88                 | 0.12       | 21.00      | <=30  | Pass    |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |       |         |

### 1.1.5 B4\_15MHz\_EIRP

| Band: 4 / Bandwidth: 15MHz / NTVN        |                    |               |        |                          |               |            |       |         |      |
|------------------------------------------|--------------------|---------------|--------|--------------------------|---------------|------------|-------|---------|------|
| Modulation                               | Frequency<br>(MHz) | RB Allocation |        | Conducted Power<br>(dBm) | Gain<br>(dBi) | EIRP (dBm) |       | Verdict |      |
|                                          |                    | Size          | Offset |                          |               | Result     | Limit |         |      |
| QPSK                                     | 1717.5             | 1             | 0      | 22.55                    | 0.12          | 22.67      | <=30  | Pass    |      |
|                                          |                    |               | 38     | 22.61                    | 0.12          | 22.73      | <=30  | Pass    |      |
|                                          |                    |               | 74     | 23.22                    | 0.12          | 23.34      | <=30  | Pass    |      |
|                                          |                    | 36            | 0      | 21.72                    | 0.12          | 21.84      | <=30  | Pass    |      |
|                                          |                    |               | 18     | 21.92                    | 0.12          | 22.04      | <=30  | Pass    |      |
|                                          |                    |               | 39     | 22.59                    | 0.12          | 22.71      | <=30  | Pass    |      |
|                                          |                    | 75            | 0      | 22.10                    | 0.12          | 22.22      | <=30  | Pass    |      |
|                                          |                    | 1732.5        | 1      | 0                        | 23.78         | 0.12       | 23.90 | <=30    | Pass |
|                                          |                    |               |        | 38                       | 24.22         | 0.12       | 24.34 | <=30    | Pass |
|                                          | 74                 |               |        | 23.49                    | 0.12          | 23.61      | <=30  | Pass    |      |
|                                          | 36                 |               | 0      | 23.38                    | 0.12          | 23.50      | <=30  | Pass    |      |
|                                          |                    |               | 18     | 23.64                    | 0.12          | 23.76      | <=30  | Pass    |      |
|                                          |                    |               | 39     | 23.28                    | 0.12          | 23.40      | <=30  | Pass    |      |
|                                          | 75                 | 0             | 23.25  | 0.12                     | 23.37         | <=30       | Pass  |         |      |
|                                          | 1747.5             | 1             | 0      | 23.98                    | 0.12          | 24.10      | <=30  | Pass    |      |
|                                          |                    |               | 38     | 22.86                    | 0.12          | 22.98      | <=30  | Pass    |      |
|                                          |                    |               | 74     | 23.11                    | 0.12          | 23.23      | <=30  | Pass    |      |
|                                          |                    | 36            | 0      | 22.69                    | 0.12          | 22.81      | <=30  | Pass    |      |
|                                          |                    |               | 18     | 22.35                    | 0.12          | 22.47      | <=30  | Pass    |      |
|                                          |                    |               | 39     | 22.64                    | 0.12          | 22.76      | <=30  | Pass    |      |
|                                          |                    | 75            | 0      | 22.18                    | 0.12          | 22.30      | <=30  | Pass    |      |
| 16QAM                                    |                    | 1717.5        | 1      | 0                        | 22.23         | 0.12       | 22.35 | <=30    | Pass |
|                                          |                    |               |        | 38                       | 22.30         | 0.12       | 22.42 | <=30    | Pass |
|                                          | 74                 |               |        | 22.85                    | 0.12          | 22.97      | <=30  | Pass    |      |
|                                          | 12                 |               | 0      | 22.13                    | 0.12          | 22.25      | <=30  | Pass    |      |
|                                          |                    |               | 31     | 22.03                    | 0.12          | 22.15      | <=30  | Pass    |      |
|                                          |                    |               | 63     | 22.58                    | 0.12          | 22.70      | <=30  | Pass    |      |
|                                          | 27                 |               | 0      | 21.05                    | 0.12          | 21.17      | <=30  | Pass    |      |
|                                          | 1732.5             | 1             | 0      | 23.01                    | 0.12          | 23.13      | <=30  | Pass    |      |
|                                          |                    |               | 38     | 23.52                    | 0.12          | 23.64      | <=30  | Pass    |      |
|                                          |                    |               | 74     | 22.87                    | 0.12          | 22.99      | <=30  | Pass    |      |
|                                          |                    | 12            | 0      | 23.07                    | 0.12          | 23.19      | <=30  | Pass    |      |
|                                          |                    |               | 31     | 23.48                    | 0.12          | 23.60      | <=30  | Pass    |      |
|                                          |                    |               | 63     | 23.27                    | 0.12          | 23.39      | <=30  | Pass    |      |
|                                          | 27                 | 0             | 22.47  | 0.12                     | 22.59         | <=30       | Pass  |         |      |
|                                          | 1747.5             | 1             | 0      | 23.32                    | 0.12          | 23.44      | <=30  | Pass    |      |
|                                          |                    |               | 38     | 22.27                    | 0.12          | 22.39      | <=30  | Pass    |      |
|                                          |                    |               | 74     | 22.51                    | 0.12          | 22.63      | <=30  | Pass    |      |
|                                          |                    | 12            | 0      | 22.88                    | 0.12          | 23.00      | <=30  | Pass    |      |
| 31                                       |                    |               | 22.12  | 0.12                     | 22.24         | <=30       | Pass  |         |      |
| 63                                       |                    |               | 22.94  | 0.12                     | 23.06         | <=30       | Pass  |         |      |
| 27                                       |                    | 48            | 21.56  | 0.12                     | 21.68         | <=30       | Pass  |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                    |               |        |                          |               |            |       |         |      |

### 1.1.6 B4\_20MHz\_EIRP

| Band: 4 / Bandwidth: 20MHz / NTV         |                 |               |        |                       |            |            |       |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                                     | 1720            | 1             | 0      | 23.07                 | 0.12       | 23.19      | <=30  | Pass    |
|                                          |                 |               | 50     | 23.35                 | 0.12       | 23.47      | <=30  | Pass    |
|                                          |                 |               | 99     | 23.91                 | 0.12       | 24.03      | <=30  | Pass    |
|                                          |                 | 50            | 0      | 22.16                 | 0.12       | 22.28      | <=30  | Pass    |
|                                          |                 |               | 25     | 22.64                 | 0.12       | 22.76      | <=30  | Pass    |
|                                          |                 |               | 50     | 22.96                 | 0.12       | 23.08      | <=30  | Pass    |
|                                          |                 | 100           | 0      | 22.48                 | 0.12       | 22.60      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 23.74                 | 0.12       | 23.86      | <=30  | Pass    |
|                                          |                 |               | 50     | 24.63                 | 0.12       | 24.75      | <=30  | Pass    |
|                                          |                 |               | 99     | 23.32                 | 0.12       | 23.44      | <=30  | Pass    |
|                                          |                 | 50            | 0      | 23.81                 | 0.12       | 23.93      | <=30  | Pass    |
|                                          |                 |               | 25     | 24.19                 | 0.12       | 24.31      | <=30  | Pass    |
|                                          |                 |               | 50     | 23.57                 | 0.12       | 23.69      | <=30  | Pass    |
|                                          |                 | 100           | 0      | 23.34                 | 0.12       | 23.46      | <=30  | Pass    |
|                                          | 1745            | 1             | 0      | 24.66                 | 0.12       | 24.78      | <=30  | Pass    |
|                                          |                 |               | 50     | 23.57                 | 0.12       | 23.69      | <=30  | Pass    |
|                                          |                 |               | 99     | 22.97                 | 0.12       | 23.09      | <=30  | Pass    |
|                                          |                 | 50            | 0      | 23.50                 | 0.12       | 23.62      | <=30  | Pass    |
|                                          |                 |               | 25     | 23.04                 | 0.12       | 23.16      | <=30  | Pass    |
|                                          |                 |               | 50     | 22.94                 | 0.12       | 23.06      | <=30  | Pass    |
|                                          |                 | 100           | 0      | 22.55                 | 0.12       | 22.67      | <=30  | Pass    |
| 16QAM                                    | 1720            | 1             | 0      | 22.58                 | 0.12       | 22.70      | <=30  | Pass    |
|                                          |                 |               | 50     | 22.90                 | 0.12       | 23.02      | <=30  | Pass    |
|                                          |                 |               | 99     | 23.37                 | 0.12       | 23.49      | <=30  | Pass    |
|                                          |                 | 12            | 0      | 22.33                 | 0.12       | 22.45      | <=30  | Pass    |
|                                          |                 |               | 44     | 22.66                 | 0.12       | 22.78      | <=30  | Pass    |
|                                          |                 |               | 88     | 23.28                 | 0.12       | 23.40      | <=30  | Pass    |
|                                          |                 | 27            | 0      | 21.31                 | 0.12       | 21.43      | <=30  | Pass    |
|                                          | 1732.5          | 1             | 0      | 23.13                 | 0.12       | 23.25      | <=30  | Pass    |
|                                          |                 |               | 50     | 23.98                 | 0.12       | 24.10      | <=30  | Pass    |
|                                          |                 |               | 99     | 22.69                 | 0.12       | 22.81      | <=30  | Pass    |
|                                          |                 | 12            | 0      | 23.07                 | 0.12       | 23.19      | <=30  | Pass    |
|                                          |                 |               | 44     | 23.78                 | 0.12       | 23.90      | <=30  | Pass    |
|                                          |                 |               | 88     | 22.75                 | 0.12       | 22.87      | <=30  | Pass    |
|                                          |                 | 27            | 0      | 22.43                 | 0.12       | 22.55      | <=30  | Pass    |
|                                          | 1745            | 1             | 0      | 24.24                 | 0.12       | 24.36      | <=30  | Pass    |
|                                          |                 |               | 50     | 23.21                 | 0.12       | 23.33      | <=30  | Pass    |
|                                          |                 |               | 99     | 22.63                 | 0.12       | 22.75      | <=30  | Pass    |
|                                          |                 | 12            | 0      | 23.67                 | 0.12       | 23.79      | <=30  | Pass    |
| 44                                       |                 |               | 22.72  | 0.12                  | 22.84      | <=30       | Pass  |         |
| 88                                       |                 |               | 22.59  | 0.12                  | 22.71      | <=30       | Pass  |         |
| 27                                       |                 | 73            | 21.57  | 0.12                  | 21.69      | <=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         | 3.40          | -11.616          | -0.0067               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.60          | 6.123            | 0.0035                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.20          | 5.636            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.60          | 4.263            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.60          | 4.277            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.60          | 4.835            | 0.0028                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.60          | 4.449            | 0.0026                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.60          | 3.519            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.60          | 3.104            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.60          | 4.420            | 0.0026                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.60          | 4.148            | 0.0024                | -2.5 to 2.5 | Pass    |

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 Band4\_OBW

| Band: 4 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1732.5          | 6             | 0      | 1.147                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 6             | 0      | 1.151                        | /     | Pass    |
| 3               | QPSK       | 1732.5          | 15            | 0      | 2.783                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 15            | 0      | 2.778                        | /     | Pass    |
| 5               | QPSK       | 1732.5          | 25            | 0      | 4.586                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 25            | 0      | 4.573                        | /     | Pass    |
| 10              | QPSK       | 1732.5          | 50            | 0      | 9.104                        | /     | Pass    |
|                 | 16QAM      | 1732.5          | 27            | 0      | 5.857                        | /     | Pass    |
| 15              | QPSK       | 1732.5          | 75            | 0      | 13.752                       | /     | Pass    |
|                 | 16QAM      | 1732.5          | 27            | 0      | 7.185                        | /     | Pass    |
| 20              | QPSK       | 1732.5          | 100           | 0      | 18.192                       | /     | Pass    |
|                 | 16QAM      | 1732.5          | 27            | 0      | 9.287                        | /     | Pass    |

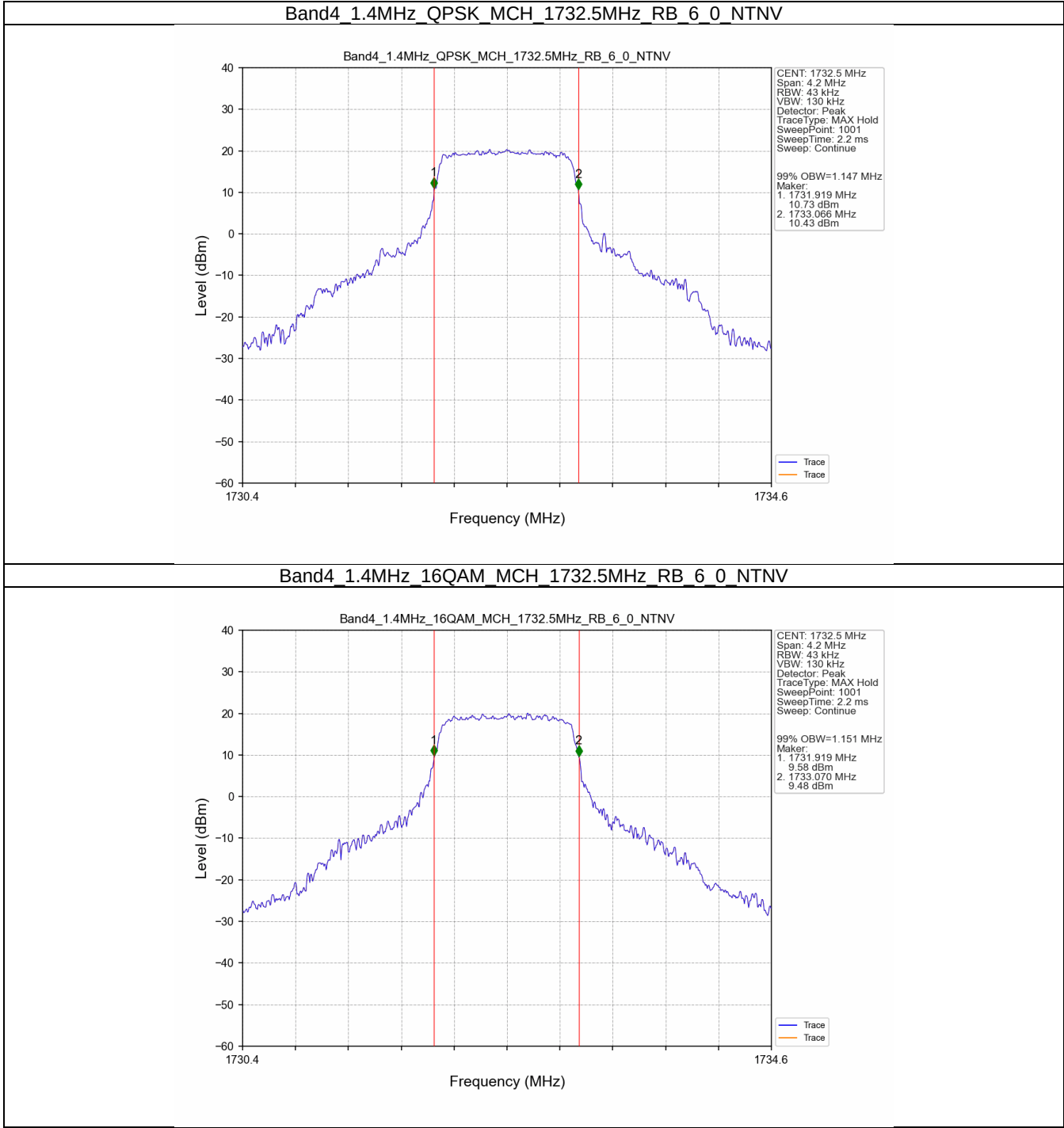
### 3.1.2 Band4\_XDB

| 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      | 1.993                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 6             | 0      | 1.838                | /     | Pass    |
| 3               | QPSK       | 1732.5          | 15            | 0      | 3.663                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 15            | 0      | 4.206                | /     | Pass    |
| 5               | QPSK       | 1732.5          | 25            | 0      | 6.047                | /     | Pass    |
|                 | 16QAM      | 1732.5          | 25            | 0      | 6.473                | /     | Pass    |
| 10              | QPSK       | 1732.5          | 50            | 0      | 13.227               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 27            | 0      | 9.706                | /     | Pass    |
| 15              | QPSK       | 1732.5          | 75            | 0      | 18.883               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 27            | 0      | 12.933               | /     | Pass    |
| 20              | QPSK       | 1732.5          | 100           | 0      | 22.128               | /     | Pass    |
|                 | 16QAM      | 1732.5          | 27            | 0      | 14.887               | /     | Pass    |

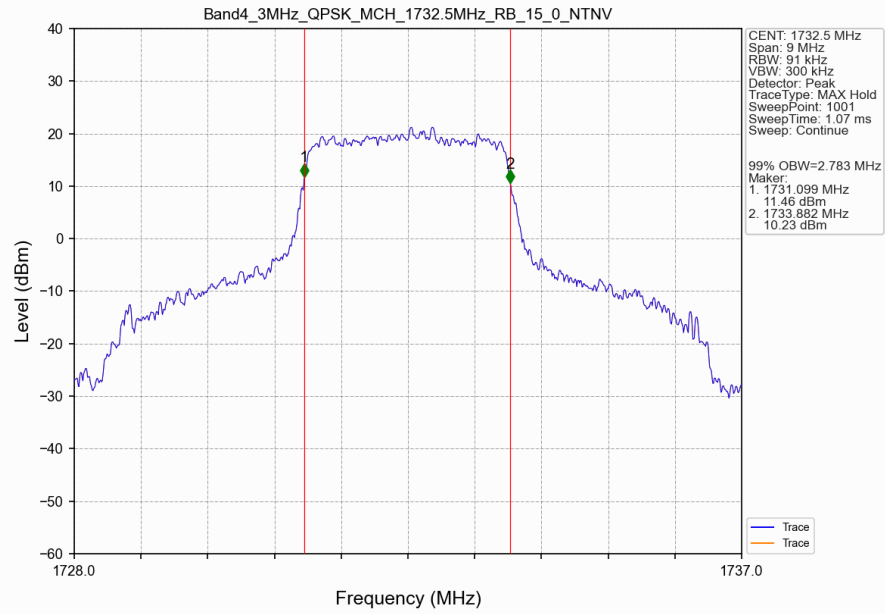


3.2 Test Graph

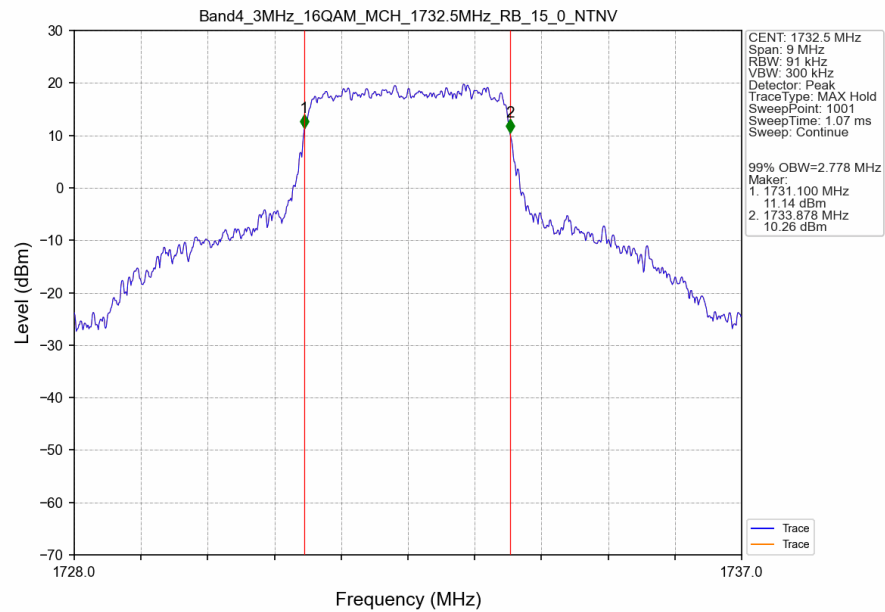
3.2.1 Band4\_OBW



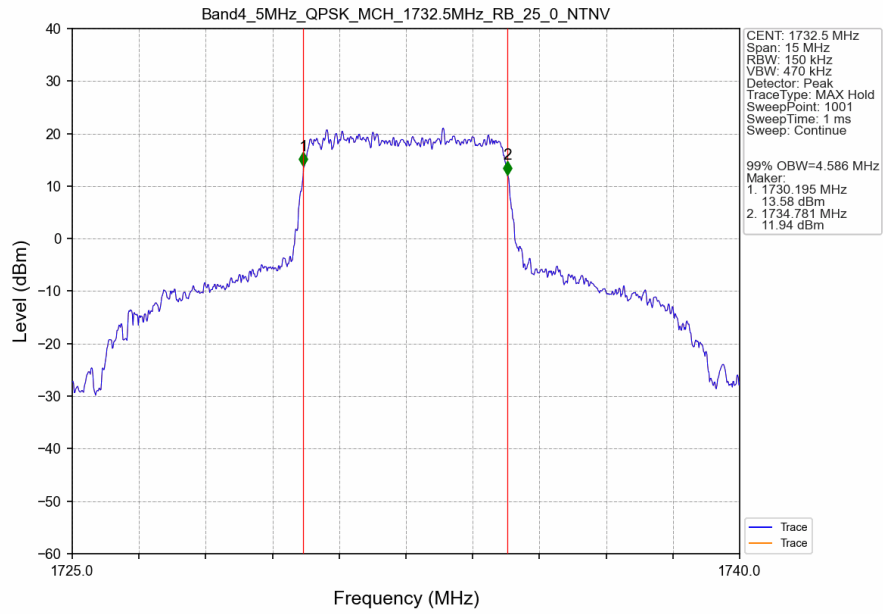
# Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



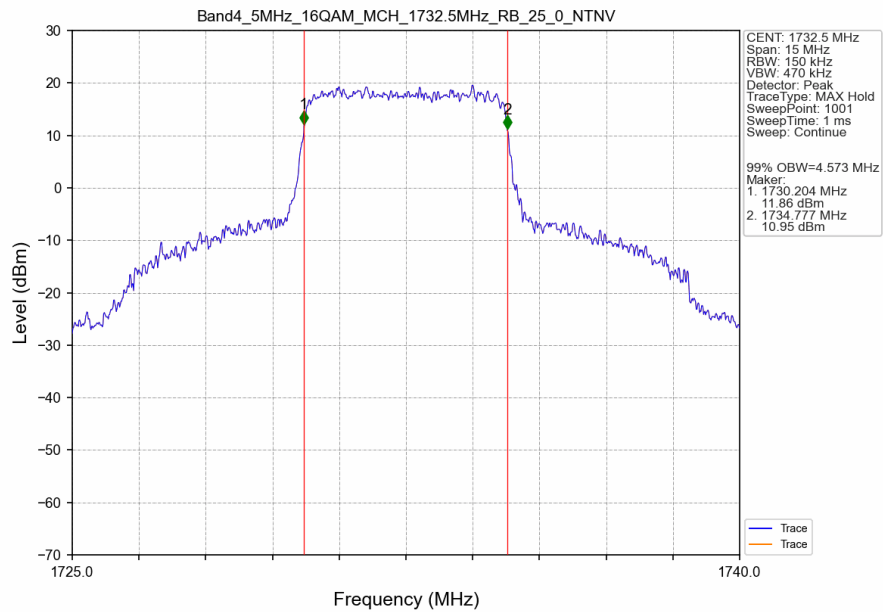
# Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



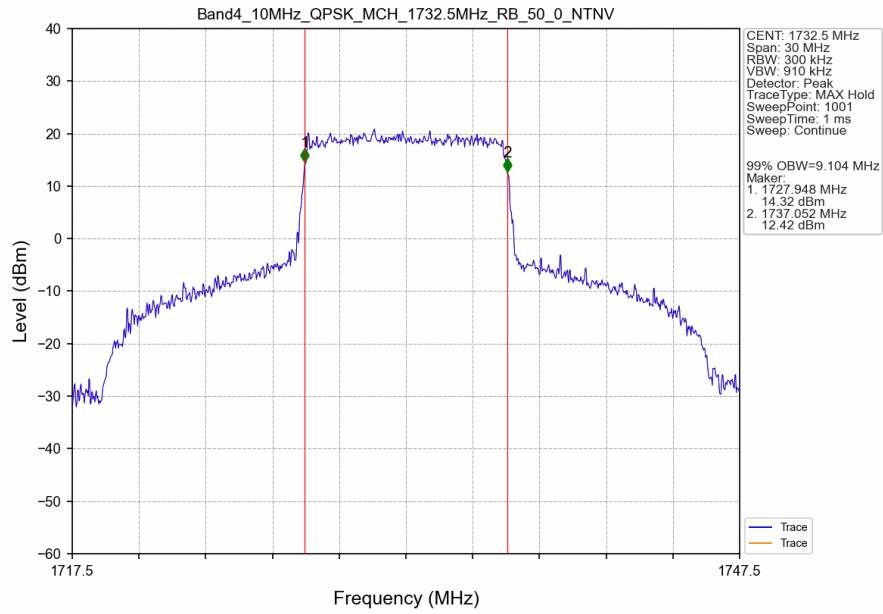
# Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



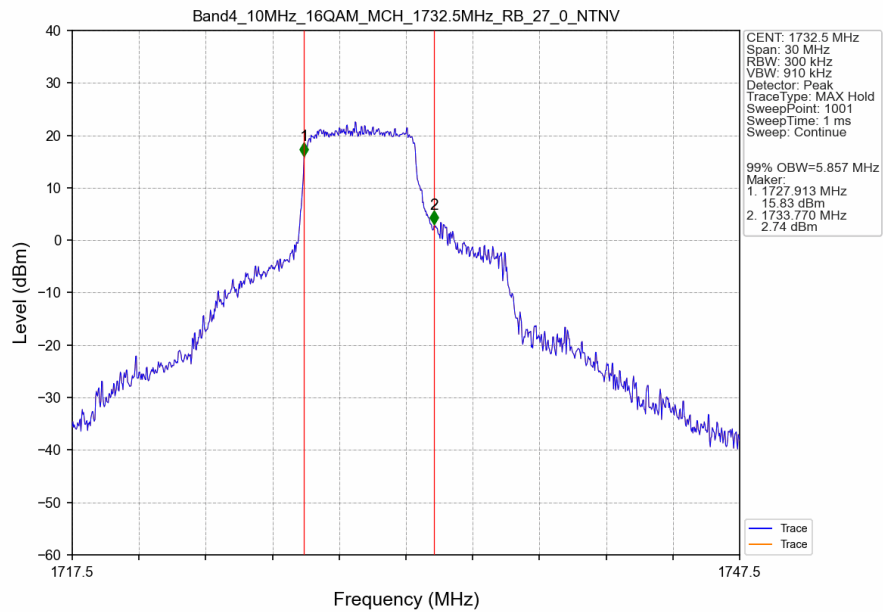
# Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



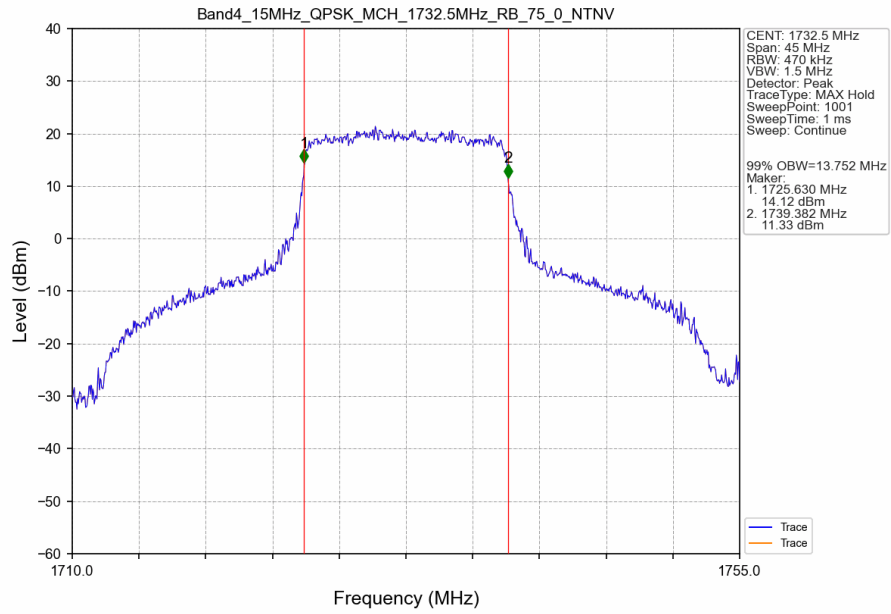
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



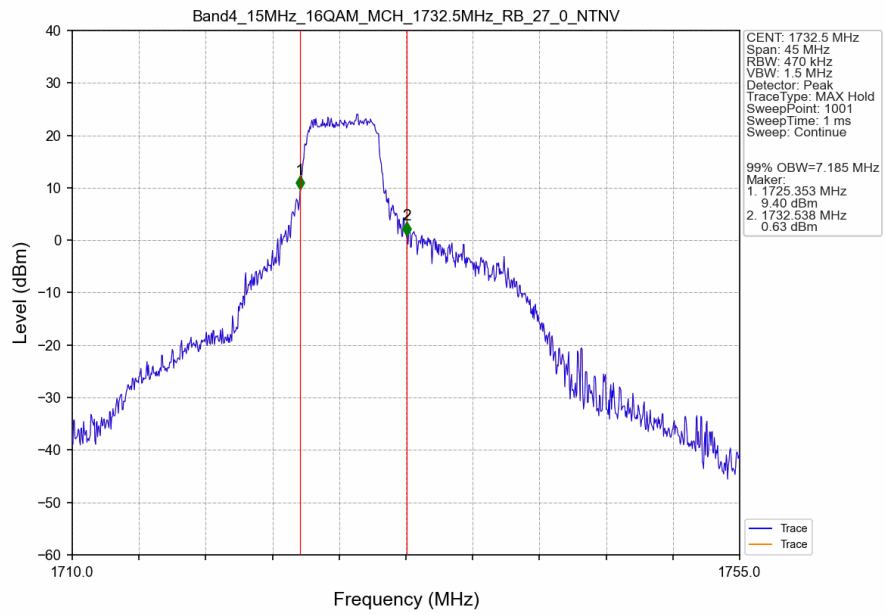
# Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



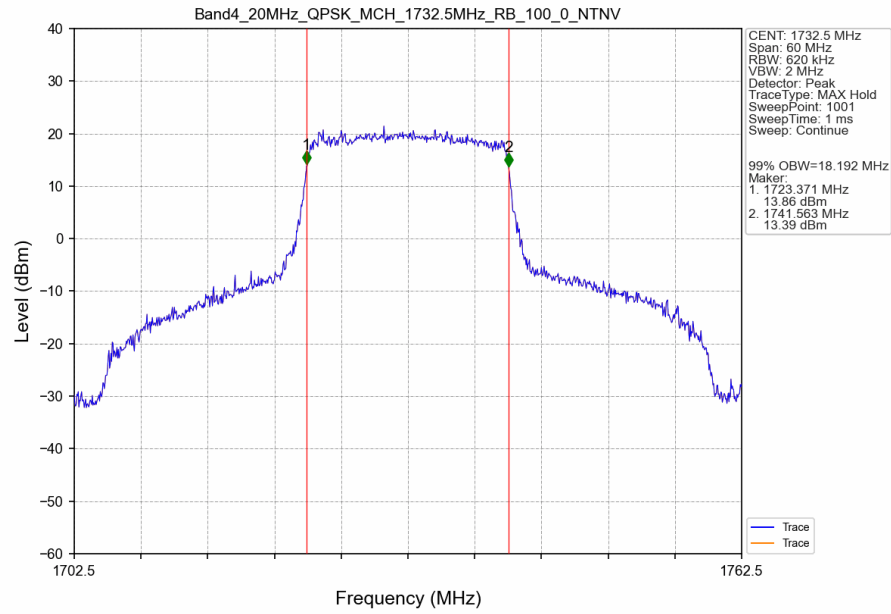
# Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



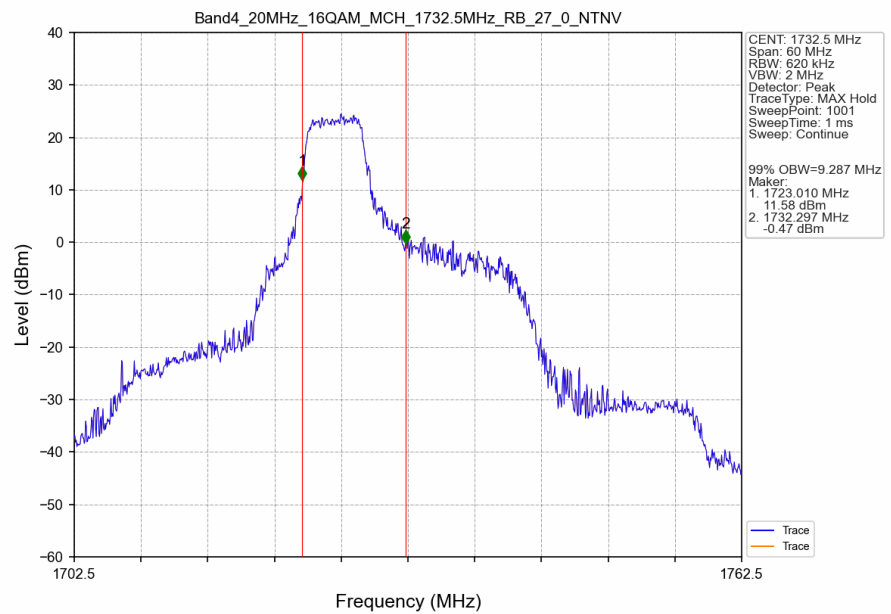
# Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



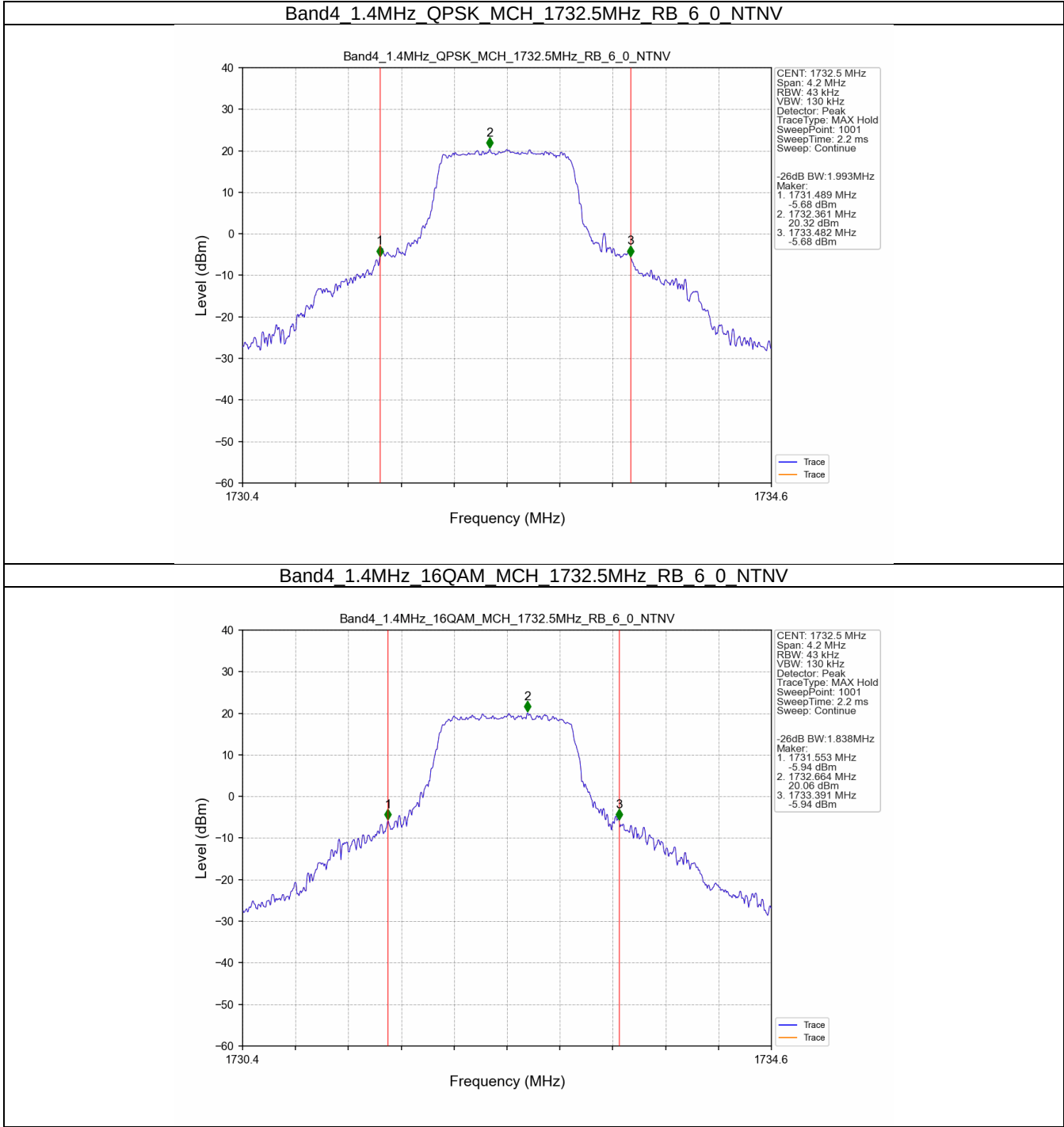
# Band4 20MHz QPSK MCH 1732.5MHz RB 100\_0\_NTNV



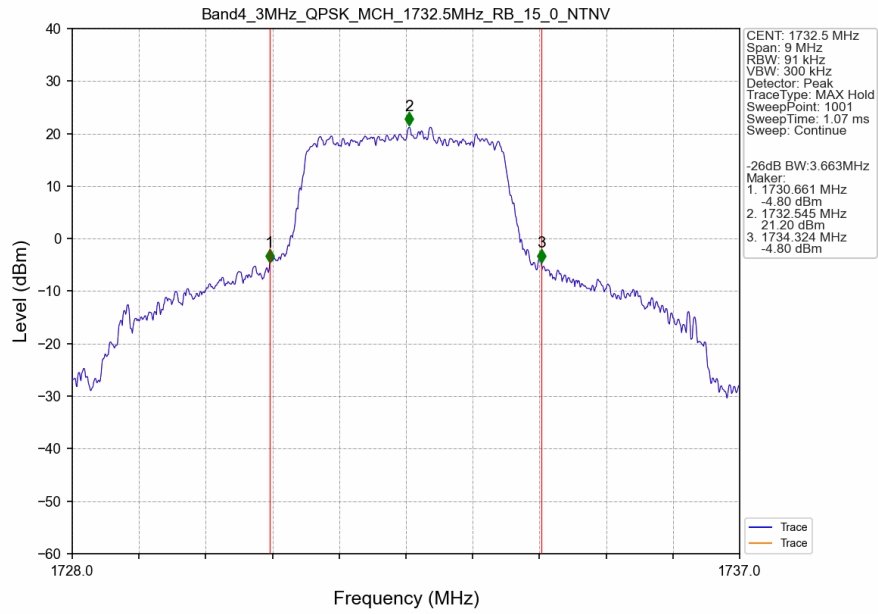
# Band4 20MHz 16QAM MCH 1732.5MHz RB 27\_0\_NTNV



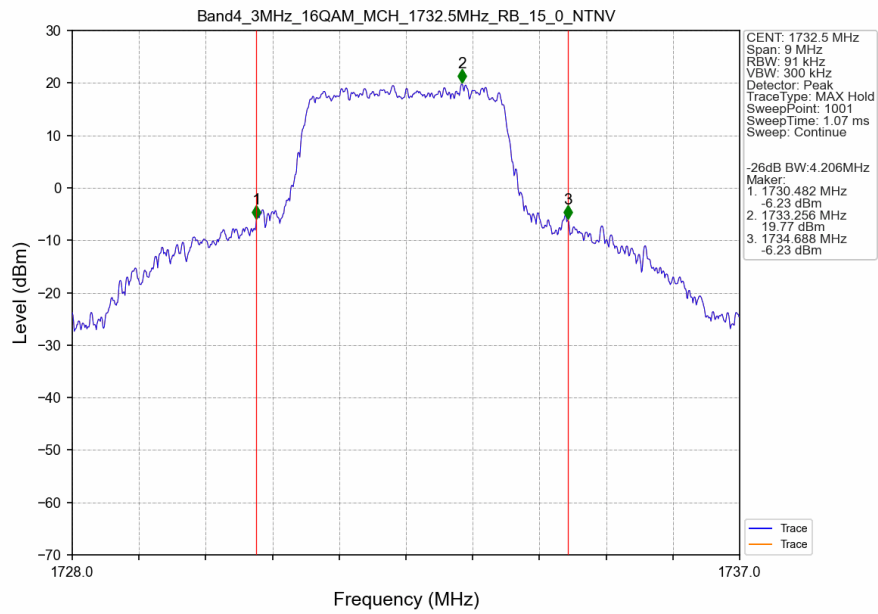
3.2.2 Band4\_XDB



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

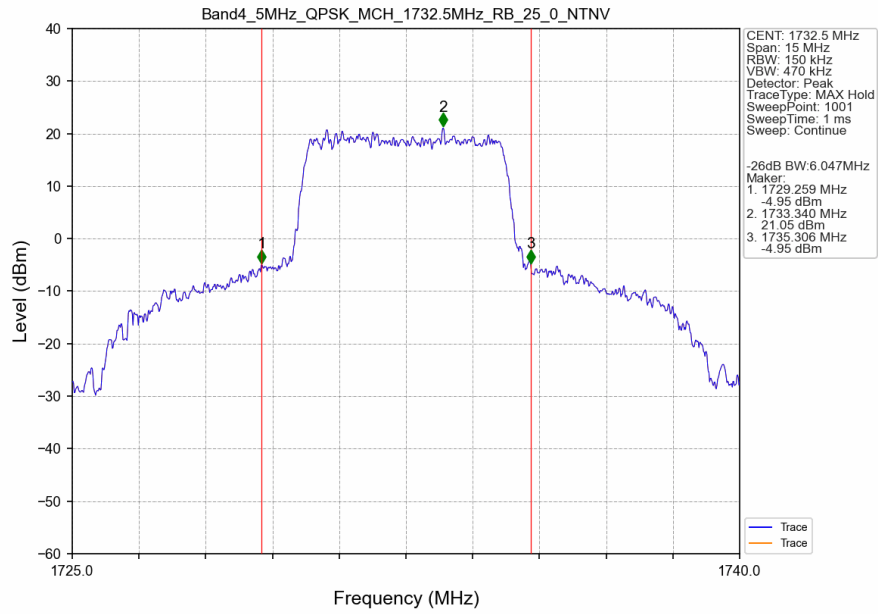


# Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV

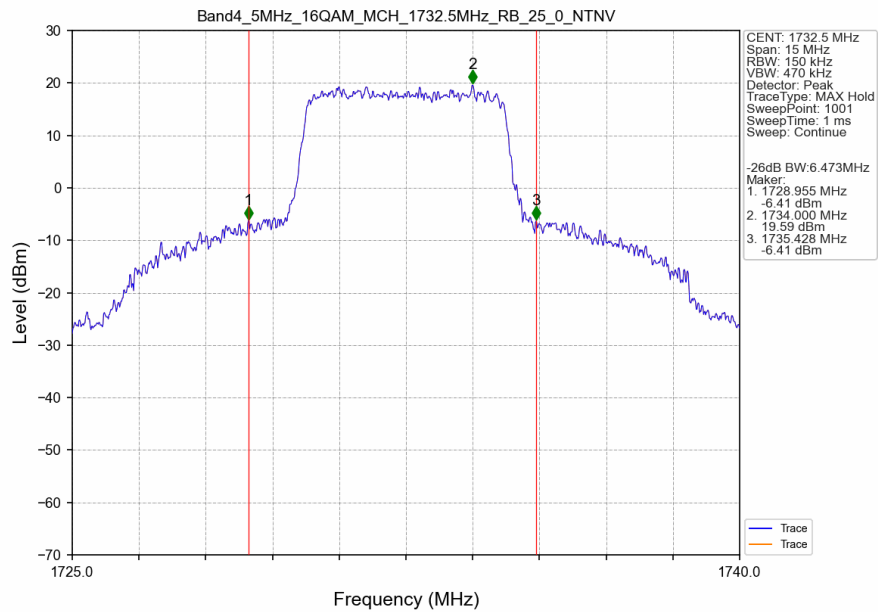




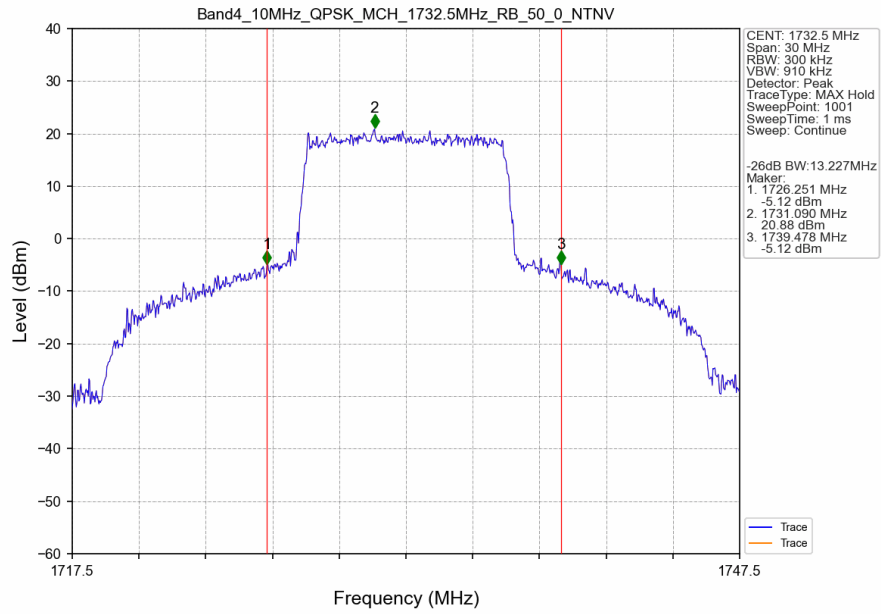
# Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



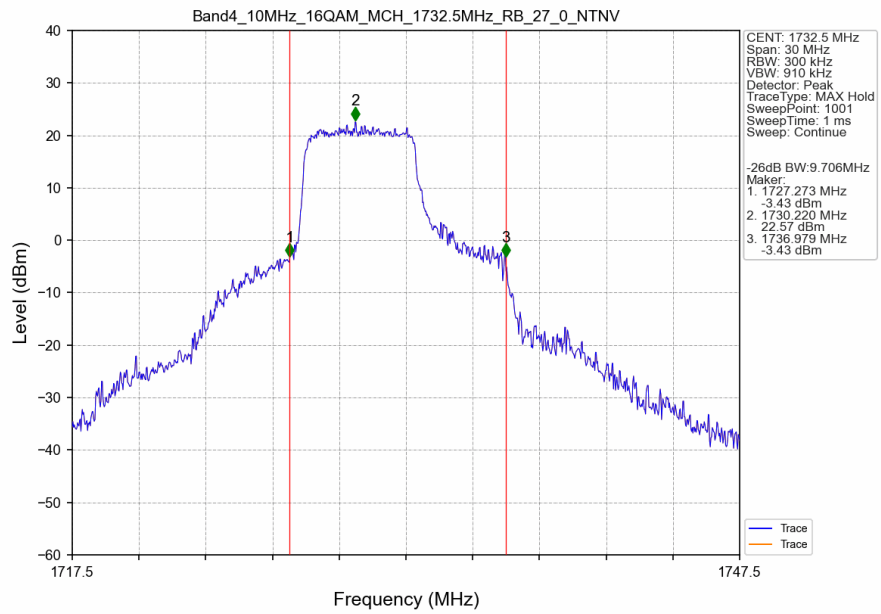
# Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



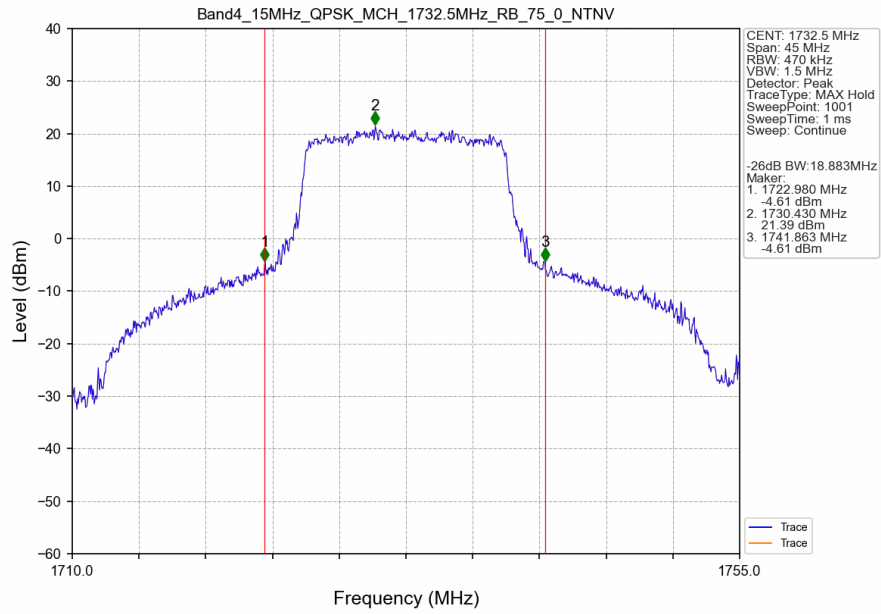
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



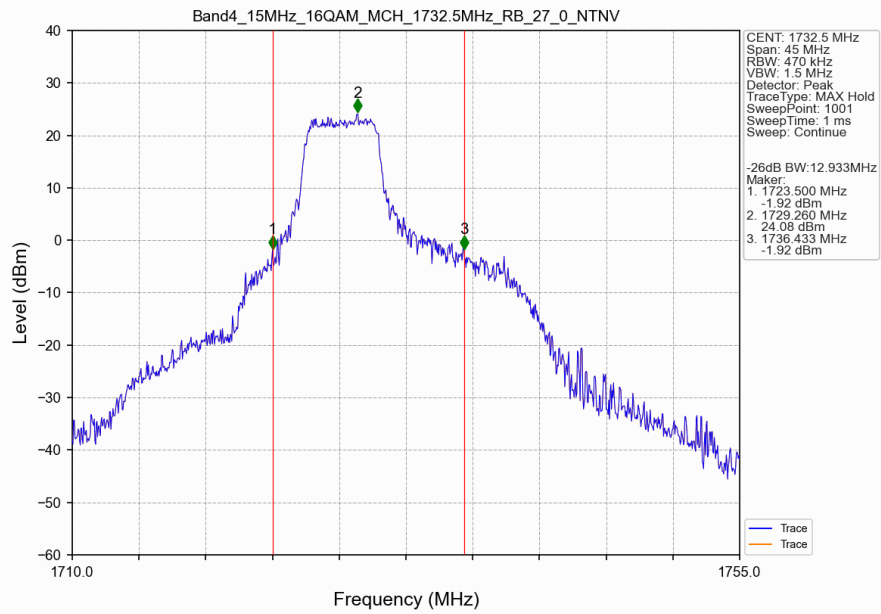
# Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



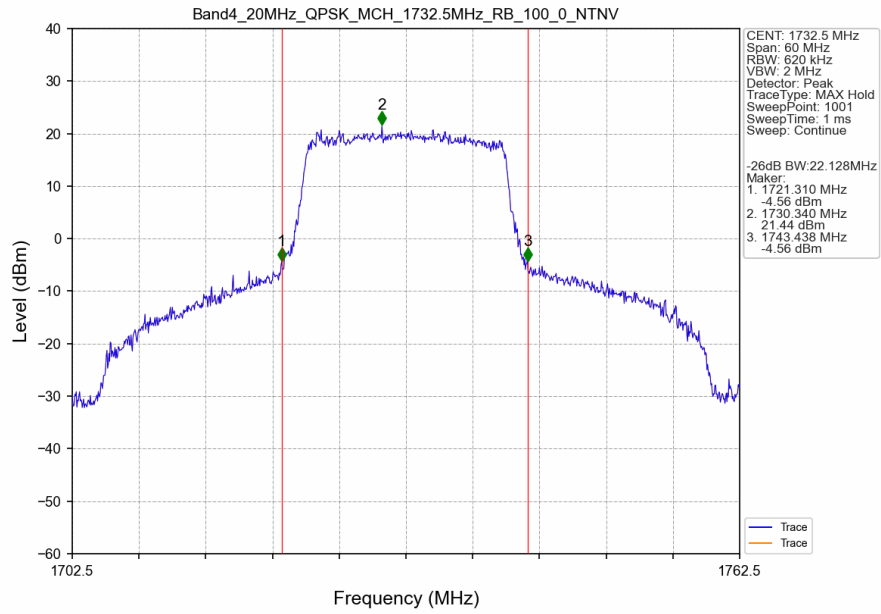
# Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



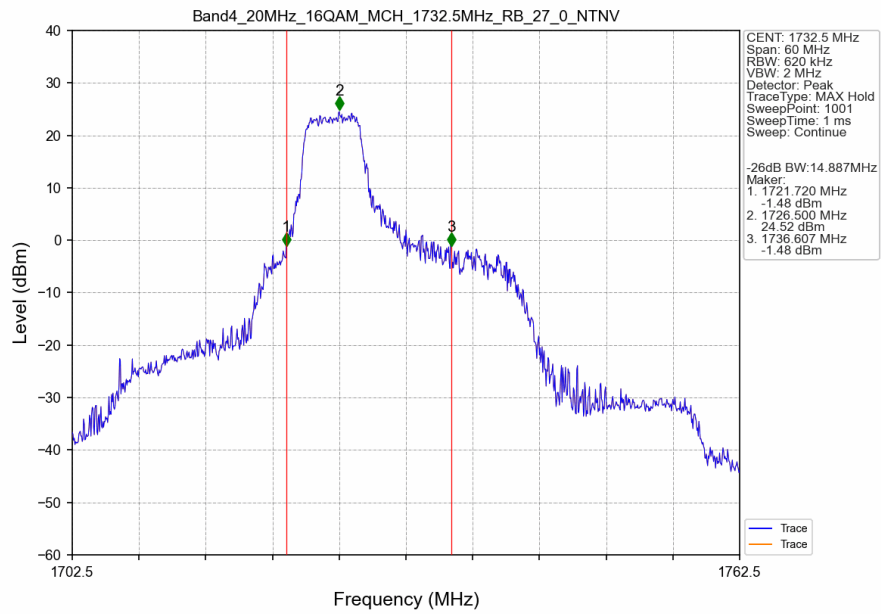
# Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



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



# Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



## 4. Peak-Average Ratio

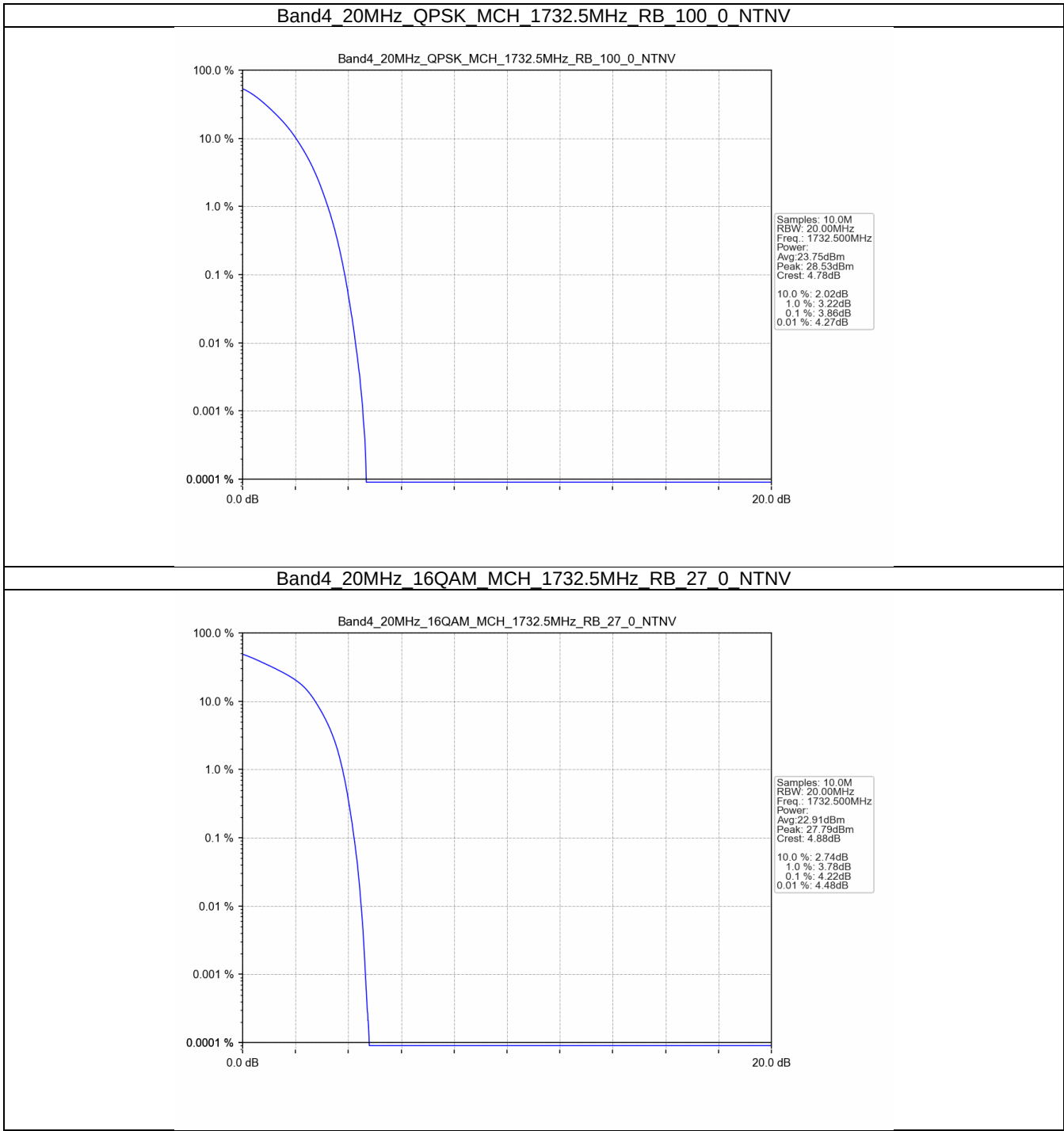
### 4.1 Test Result

#### 4.1.1 B4\_20MHz

| Band: 4 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|-----------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1732.5             | 100           | 0      | 3.86                    | <=13  | Pass    |
| 16QAM                             | 1732.5             | 27            | 0      | 4.22                    | <=13  | Pass    |

4.2 Test Graph

4.2.1 B4\_20MHz



## 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 |         |
|                                   | 5               |               |        | Refer To Test Graph |                     | Pass    |
|                                   | 6               |               | 0      | Refer To Test Graph |                     | Pass    |

#### 5.1.2 B4\_3MHz

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

#### 5.1.3 B4\_5MHz

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

#### 5.1.4 B4\_10MHz

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

|  |      |    |    |                     |      |
|--|------|----|----|---------------------|------|
|  | 1750 | 1  | 0  | Refer To Test Graph | Pass |
|  |      |    | 49 | Refer To Test Graph | Pass |
|  |      | 50 | 0  | Refer To Test Graph | Pass |

### 5.1.5 B4\_15MHz

| Band: 4 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |

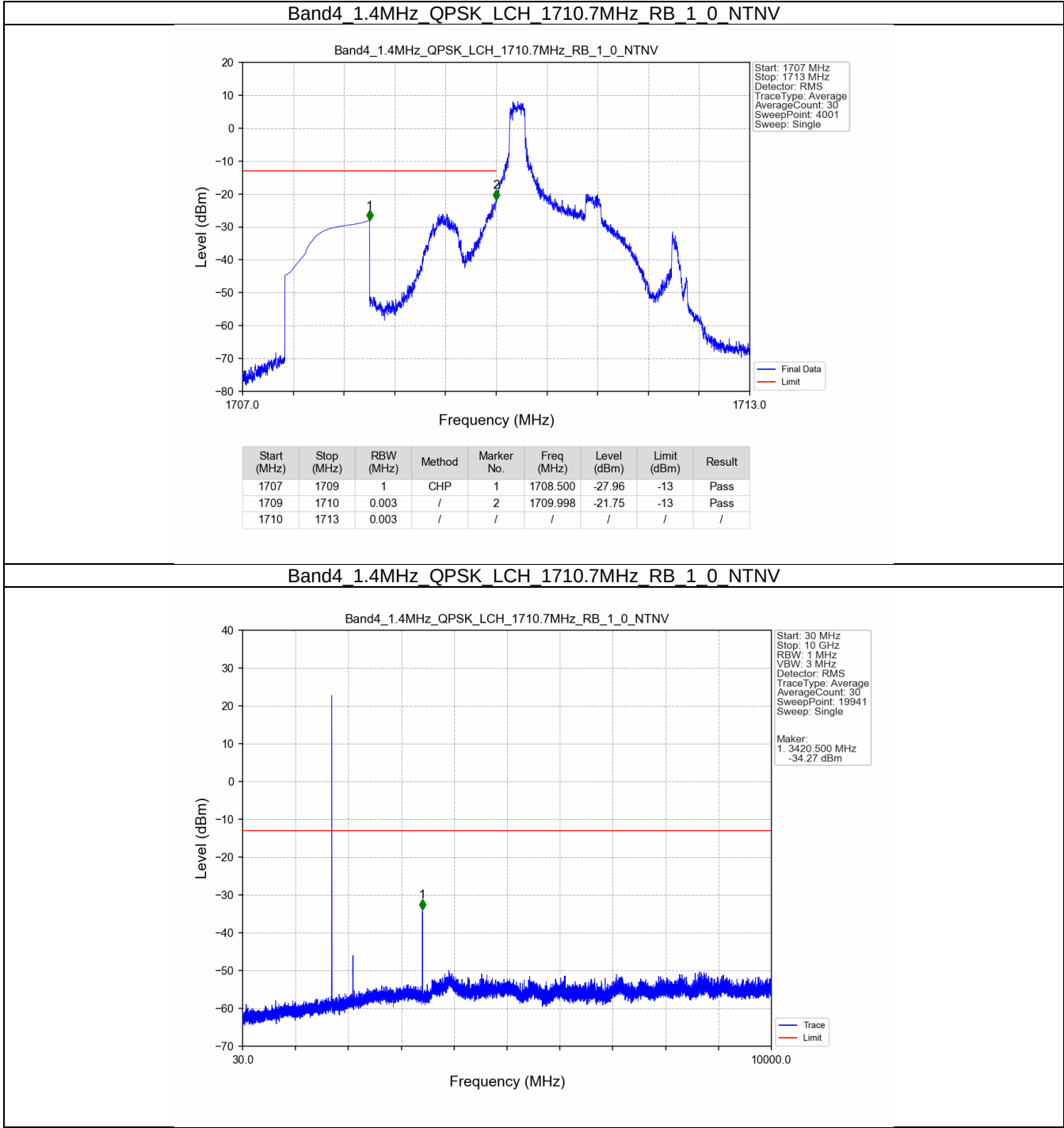
### 5.1.6 B4\_20MHz

| Band: 4 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |

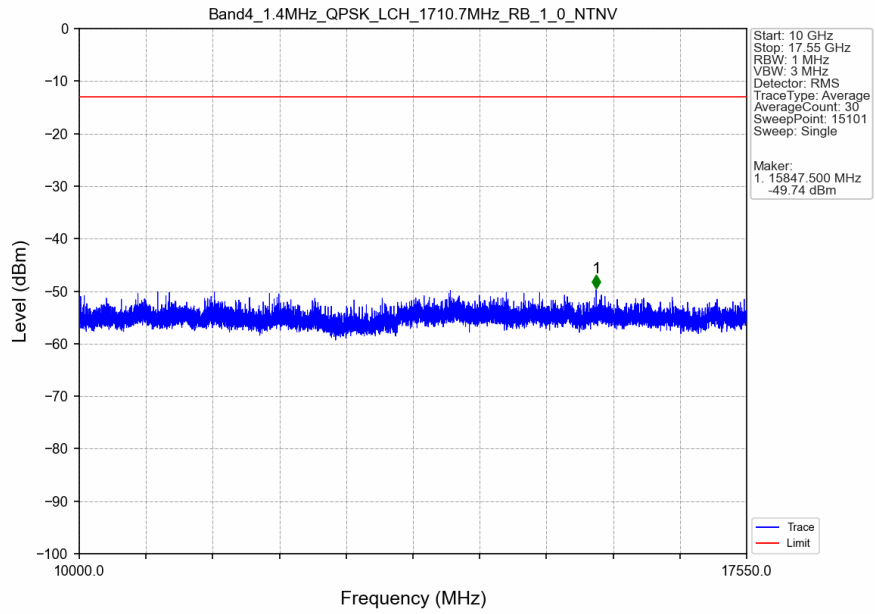


5.2 Test Graph

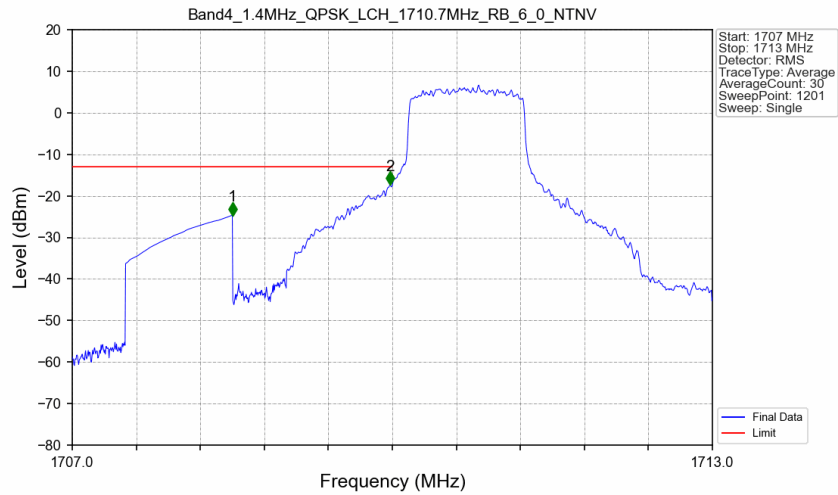
5.2.1 B4\_1.4MHz



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

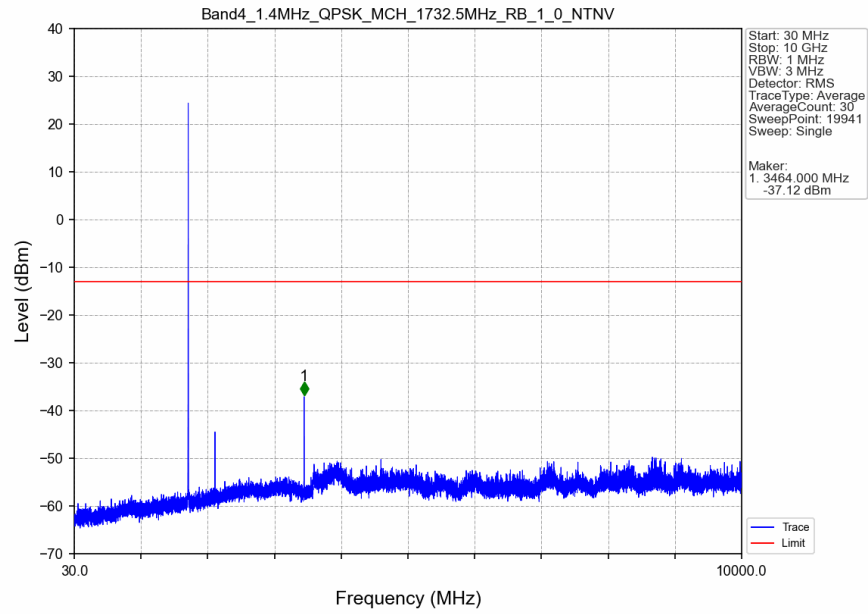


### Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

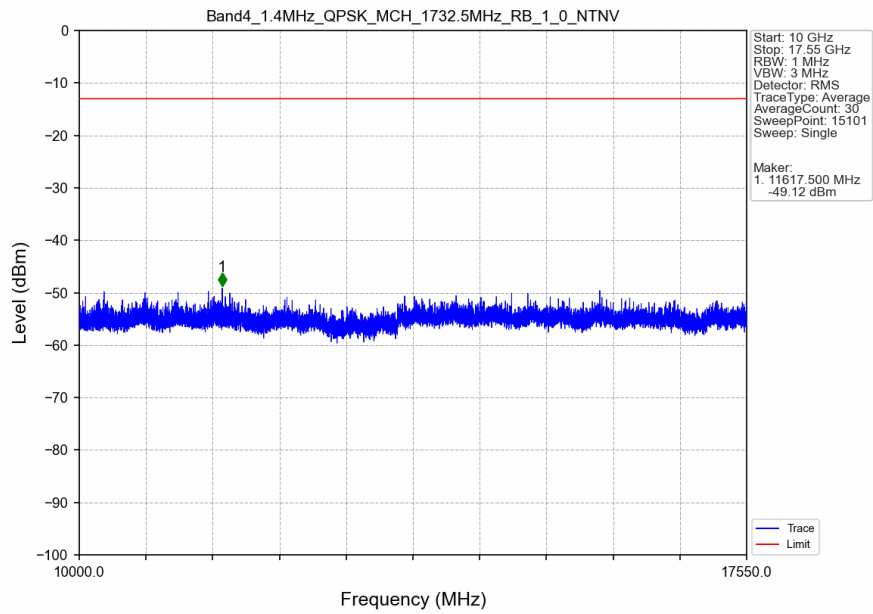


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1708.500   | -24.66      | -13         | Pass   |
| 1709        | 1710       | 0.018     | CHP    | 2          | 1709.980   | -17.35      | -13         | Pass   |
| 1710        | 1713       | 0.018     | CHP    | /          | /          | /           | /           | /      |

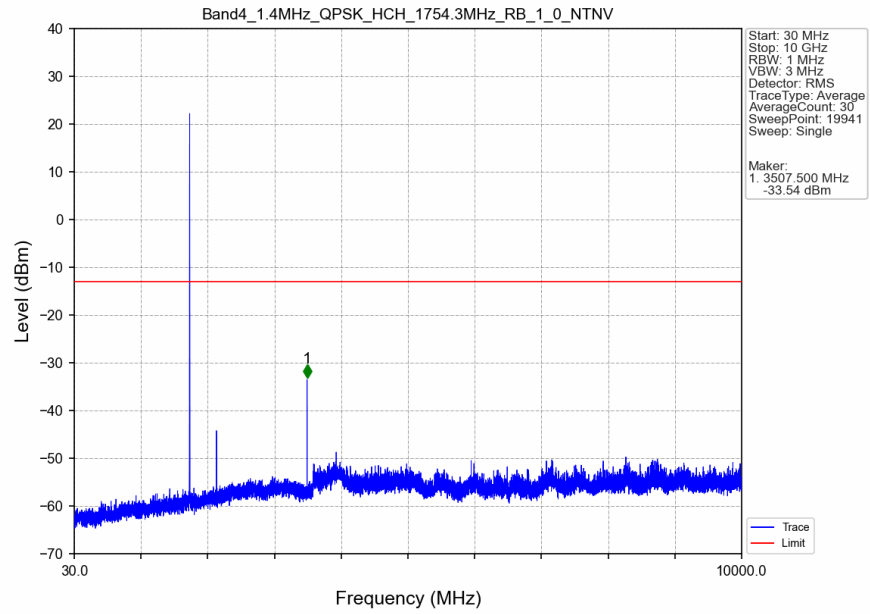
# Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



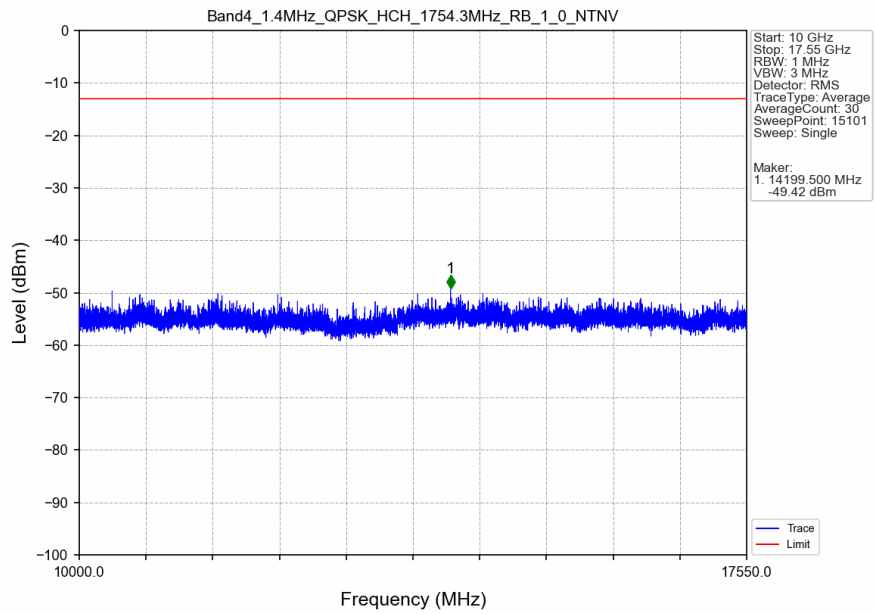
# Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



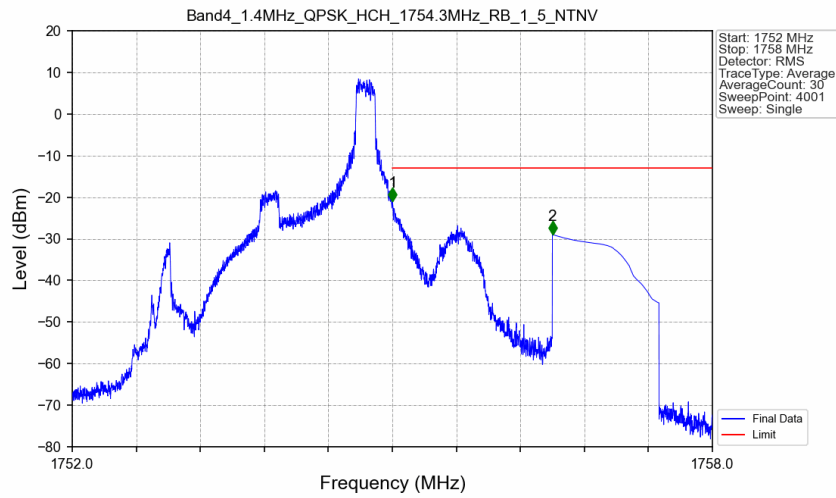
# Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



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

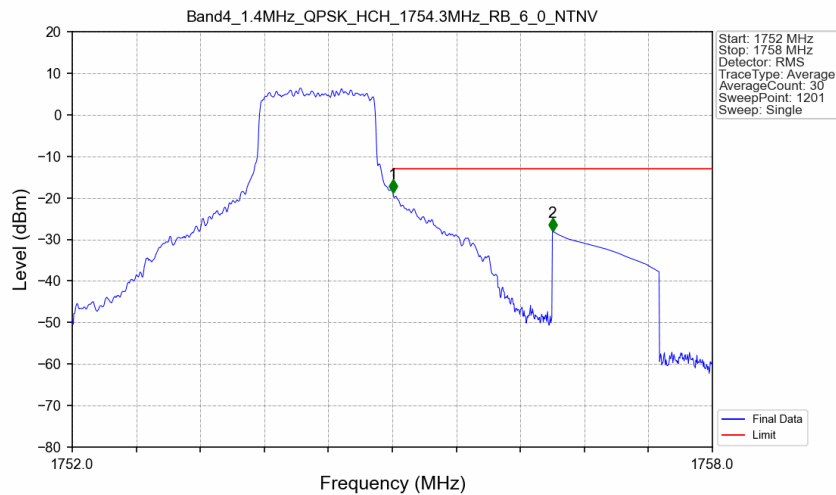


# Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5\_NTNV



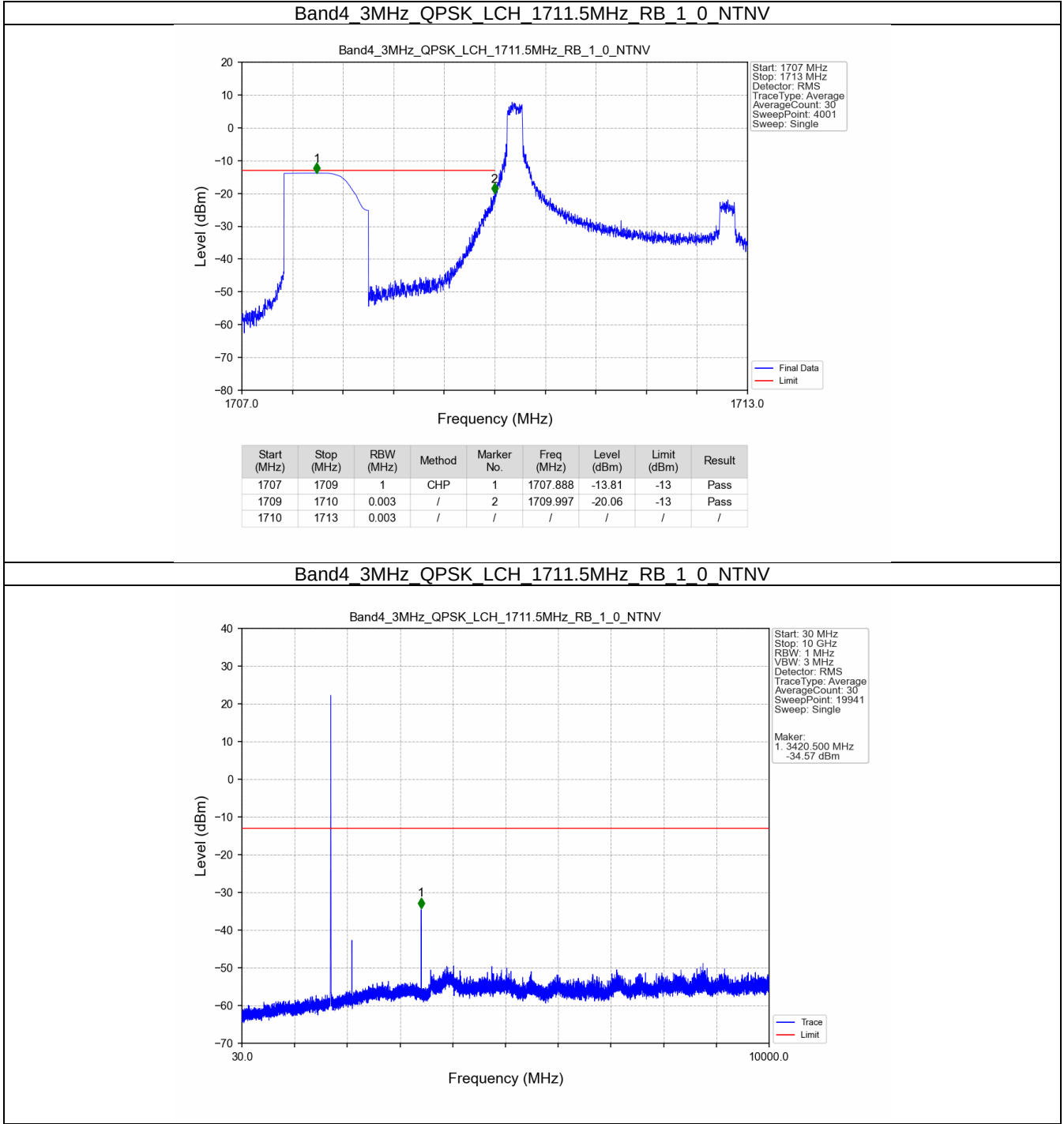
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.002   | -20.93      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -28.94      | -13         | Pass   |

# Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0\_NTNV

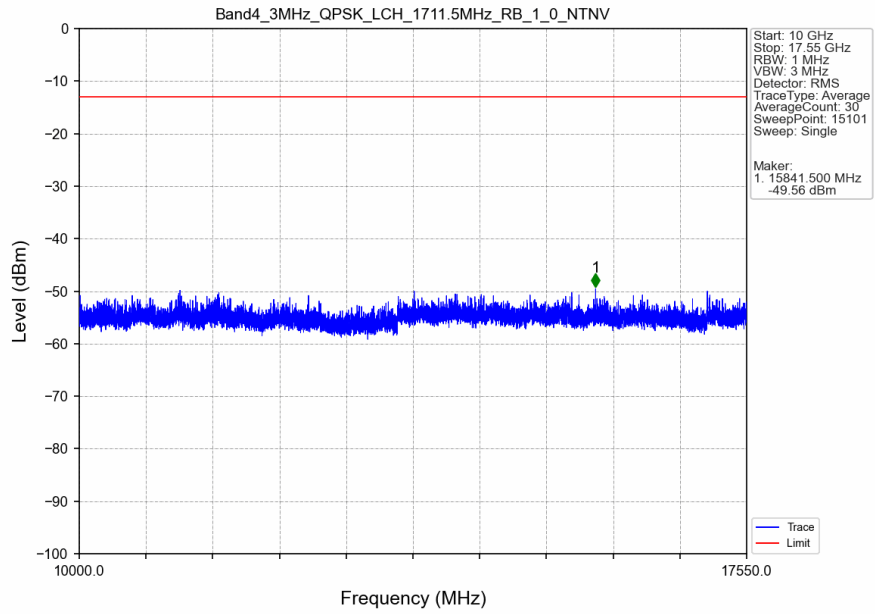


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.02      | CHP    | 1          | 1755.005   | -18.74      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -28.05      | -13         | Pass   |

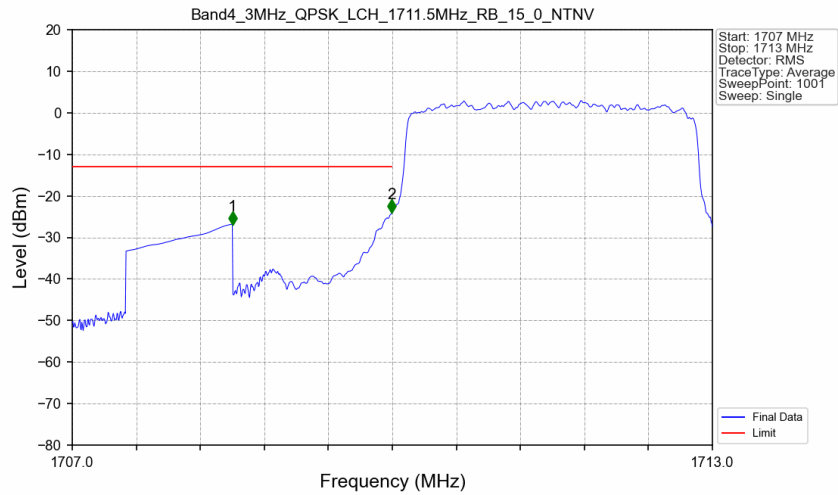
5.2.2 B4\_3MHz



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

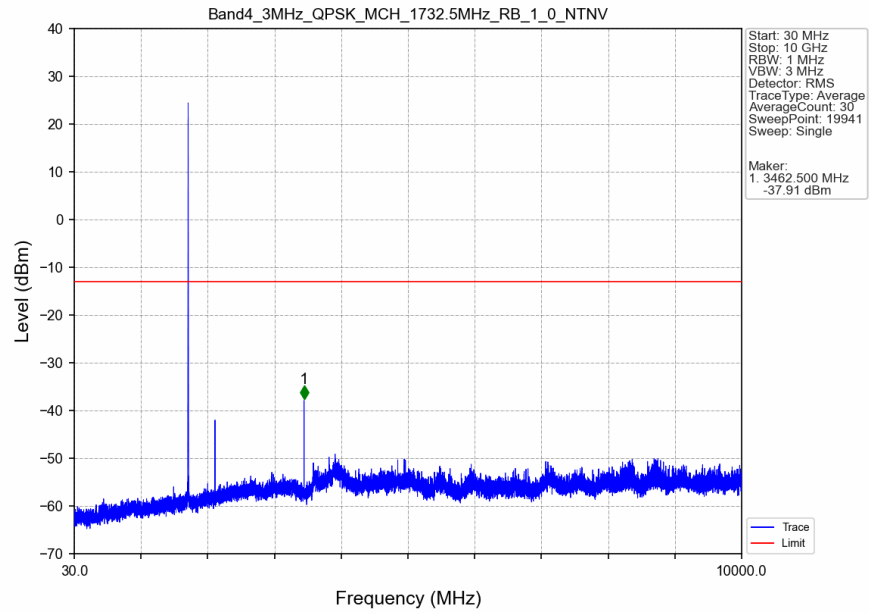


### Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

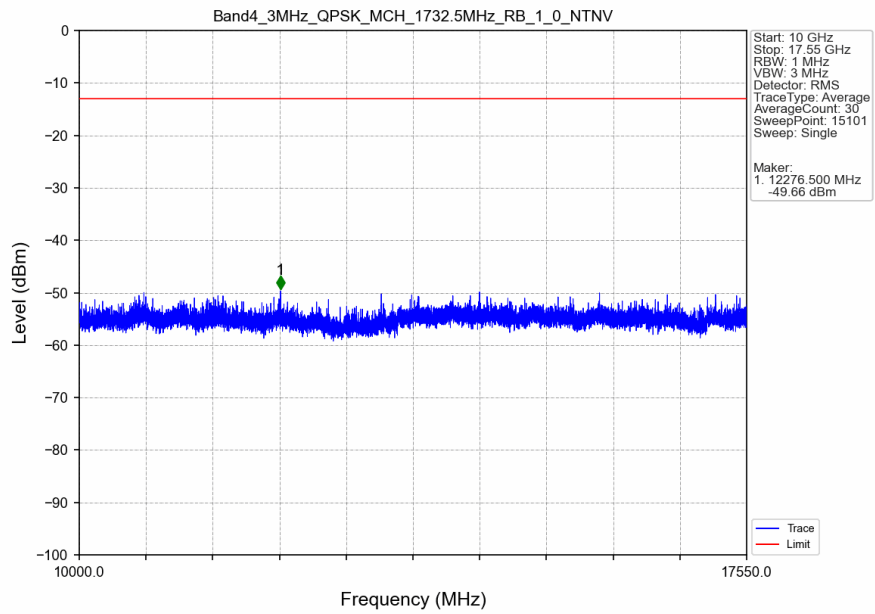


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1708.500   | -26.86      | -13         | Pass   |
| 1709        | 1710       | 0.037     | CHP    | 2          | 1709.994   | -24.02      | -13         | Pass   |
| 1710        | 1713       | 0.037     | CHP    | /          | /          | /           | /           | /      |

# Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN

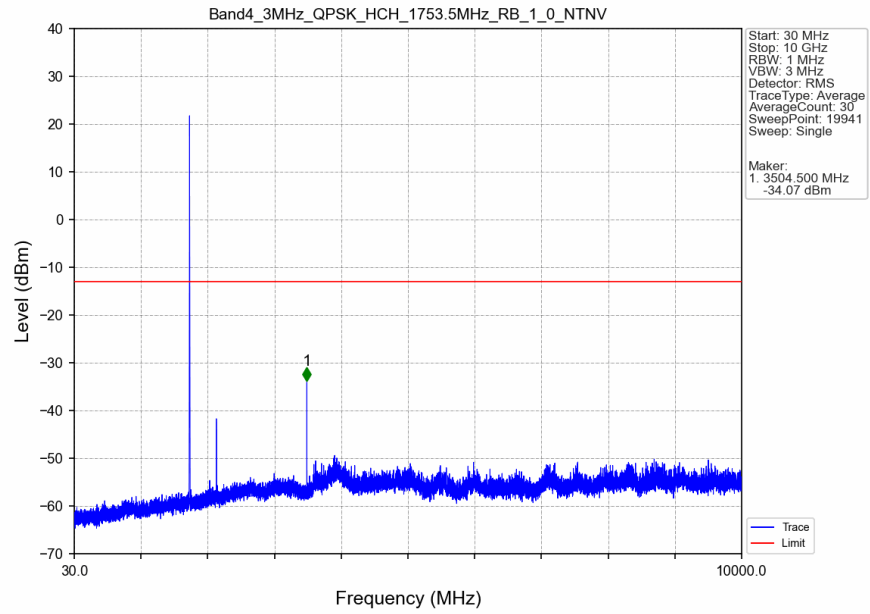


# Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN

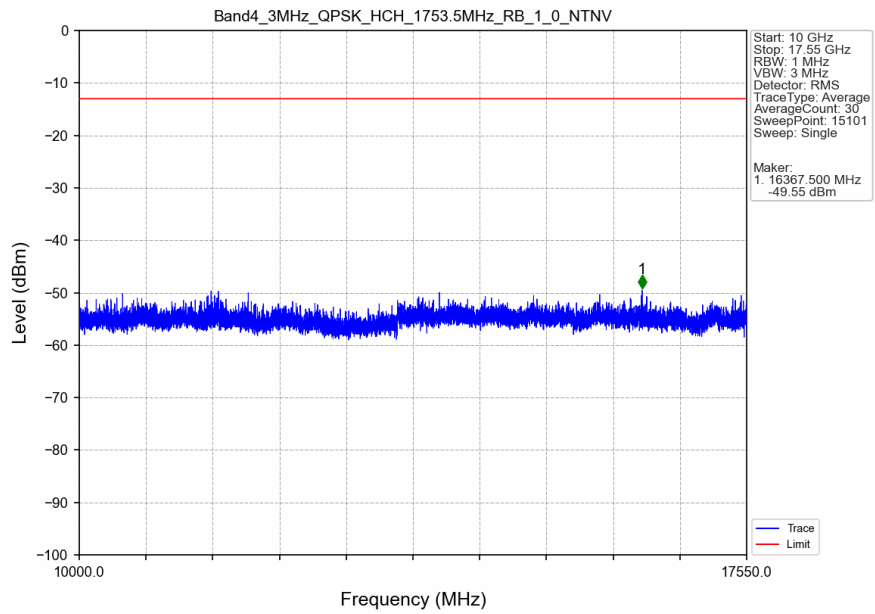




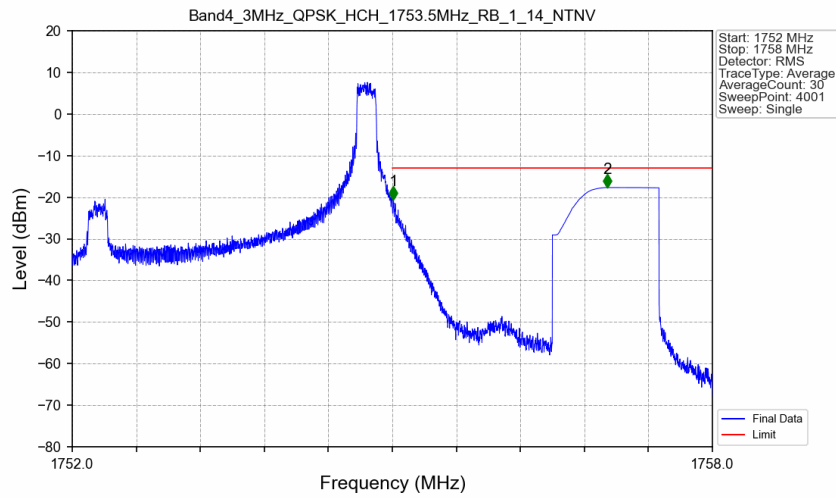
# Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



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

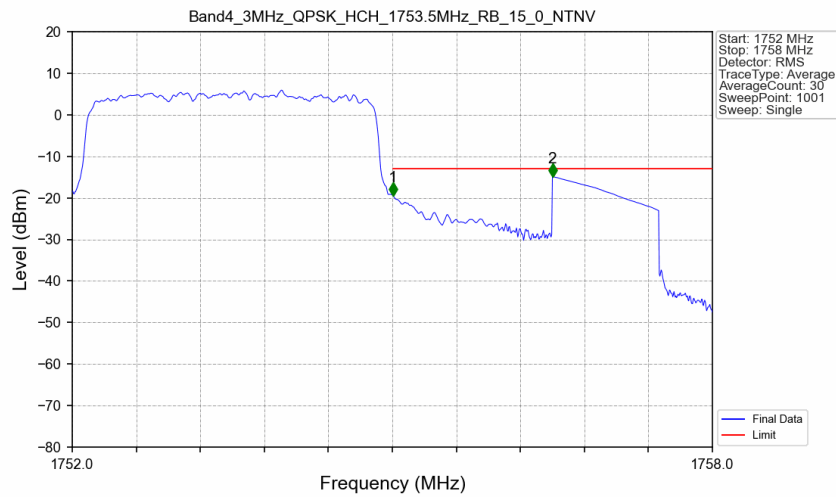


# Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



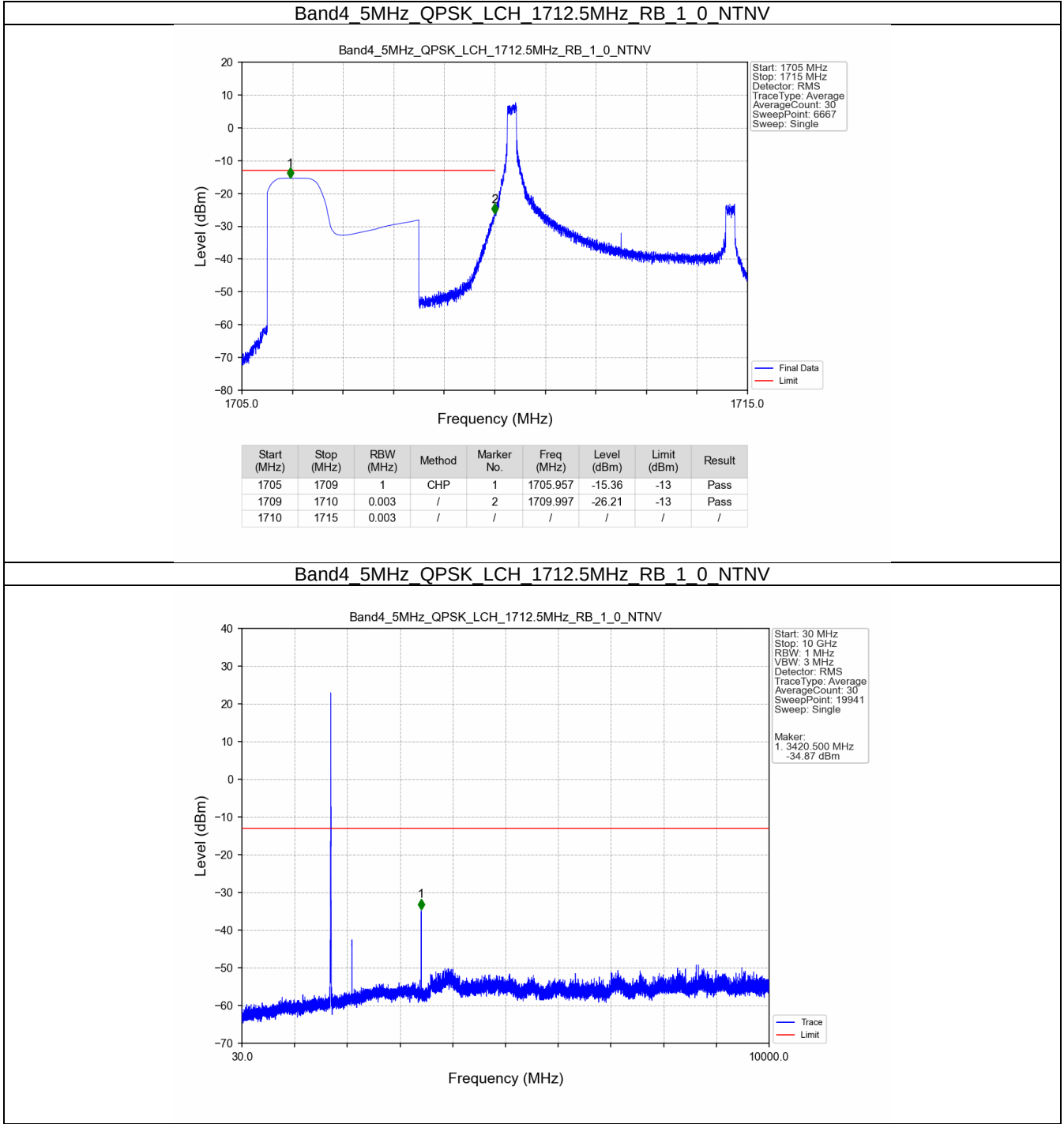
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.011   | -20.56      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1757.017   | -17.68      | -13         | Pass   |

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

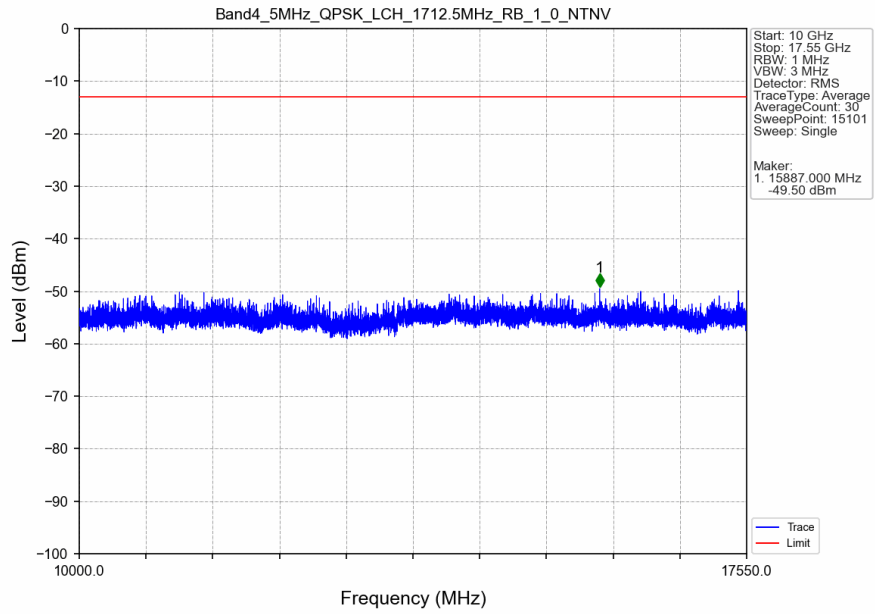


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1752        | 1755       | 0.042     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.042     | CHP    | 1          | 1755.006   | -19.48      | -13         | Pass   |
| 1756        | 1758       | 1         | CHP    | 2          | 1756.500   | -14.88      | -13         | Pass   |

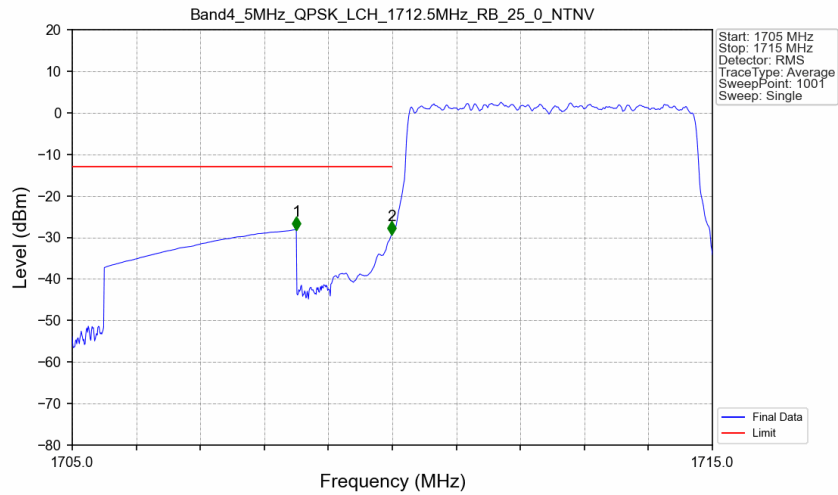
5.2.3 B4\_5MHz



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

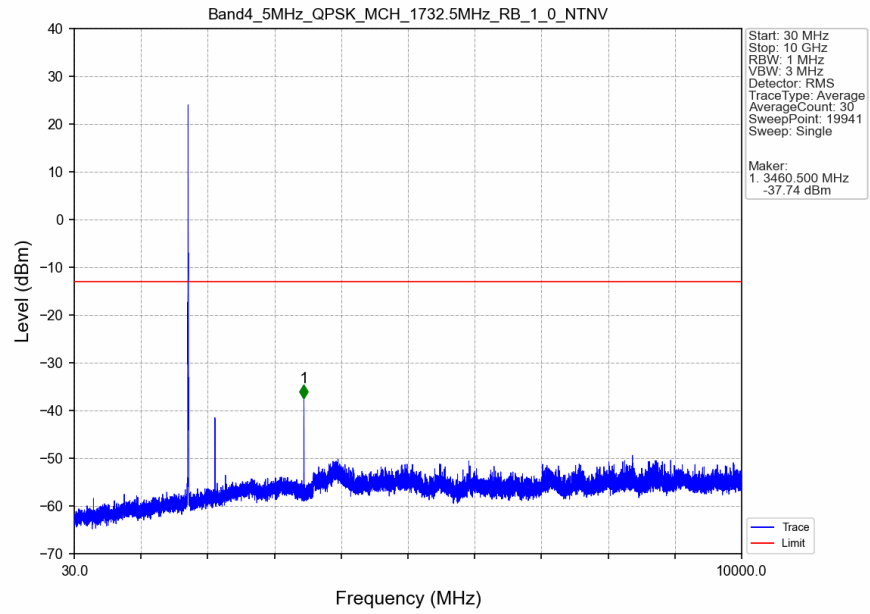


### Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

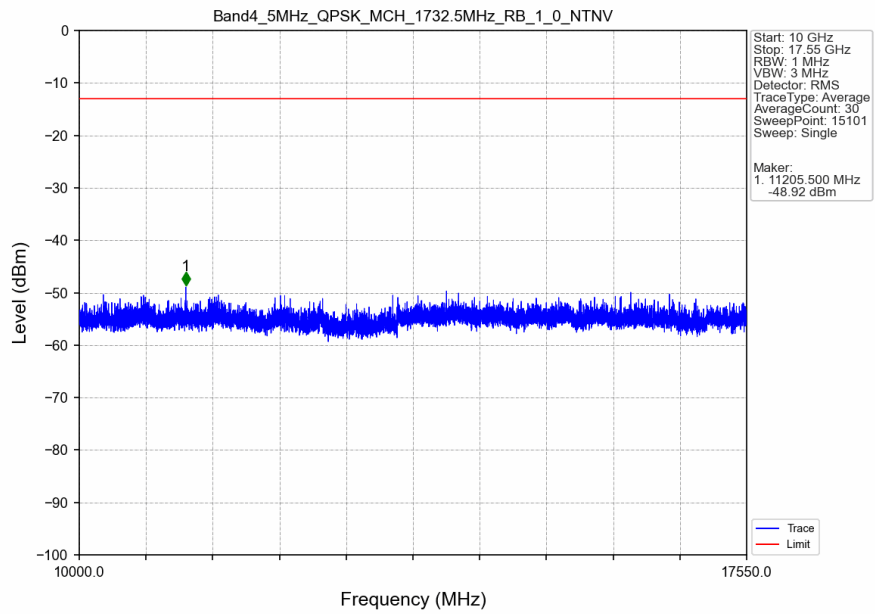


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1705        | 1709       | 1         | CHP    | 1          | 1708.500   | -28.14      | -13         | Pass   |
| 1709        | 1710       | 0.06      | CHP    | 2          | 1709.990   | -29.37      | -13         | Pass   |
| 1710        | 1715       | 0.06      | CHP    | /          | /          | /           | /           | /      |

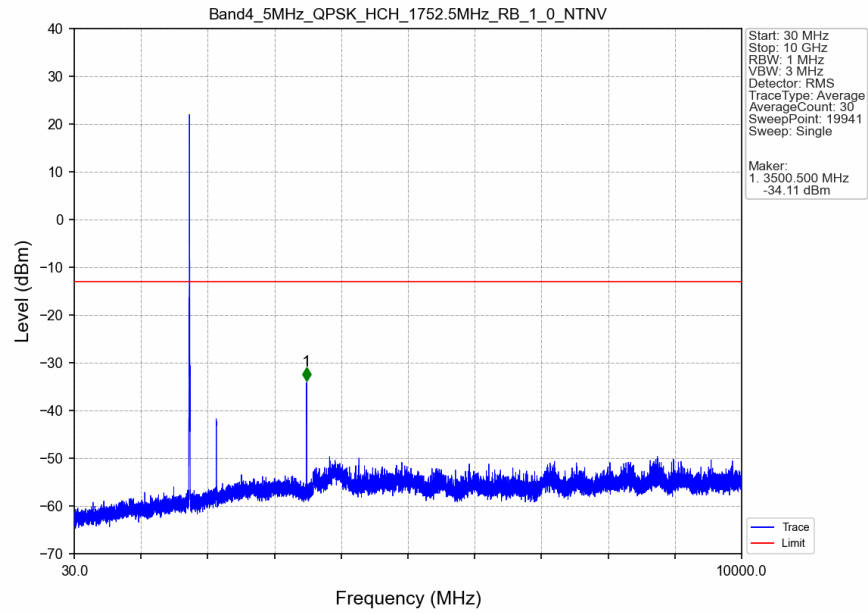
# Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



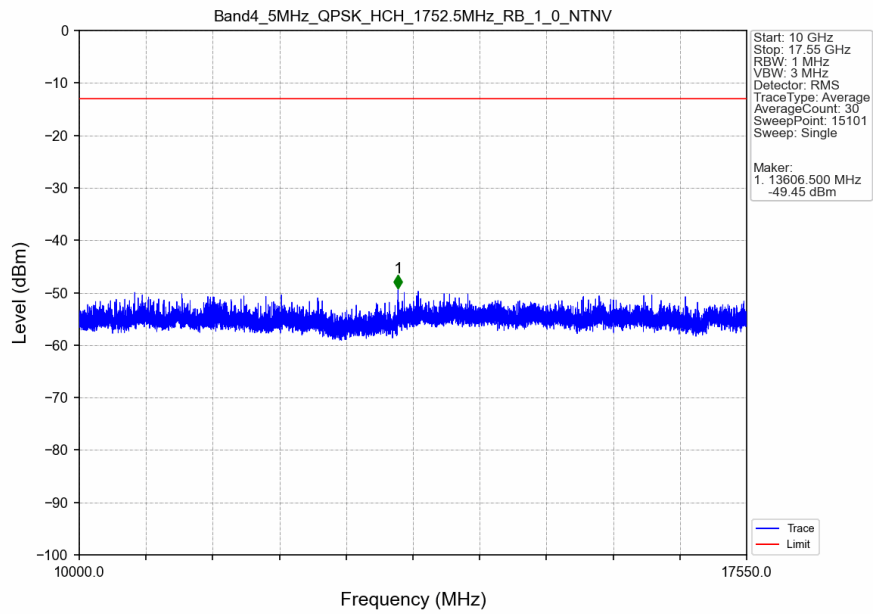
# Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



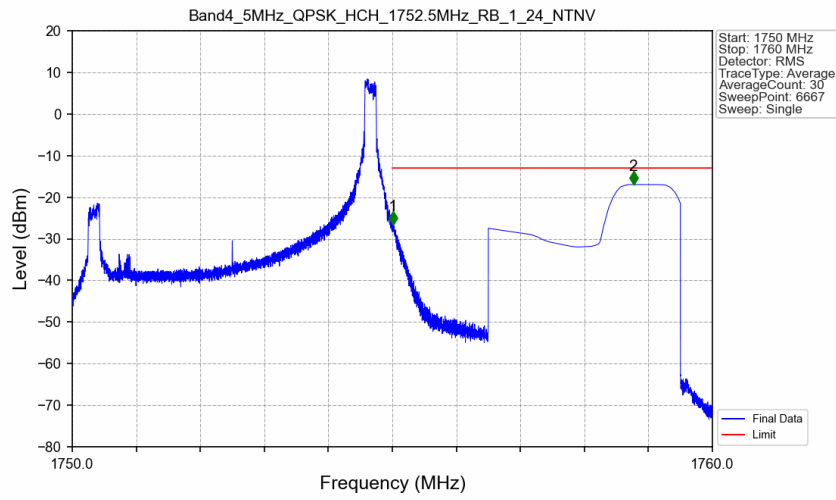
# Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



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

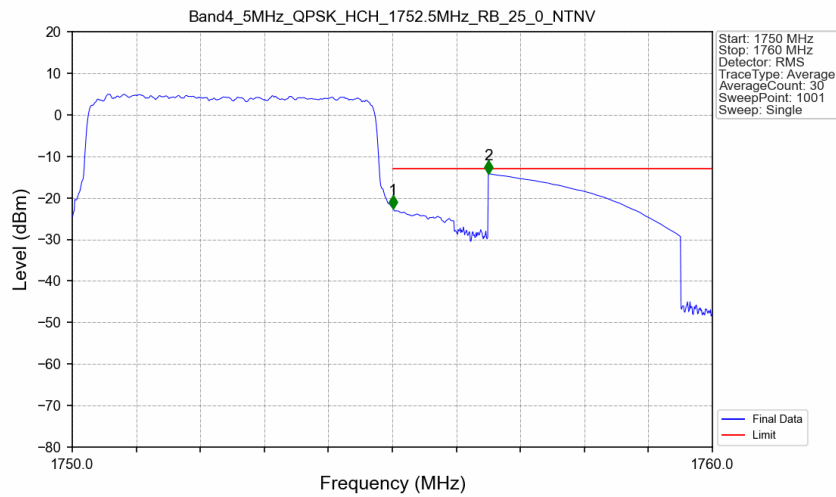


# Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



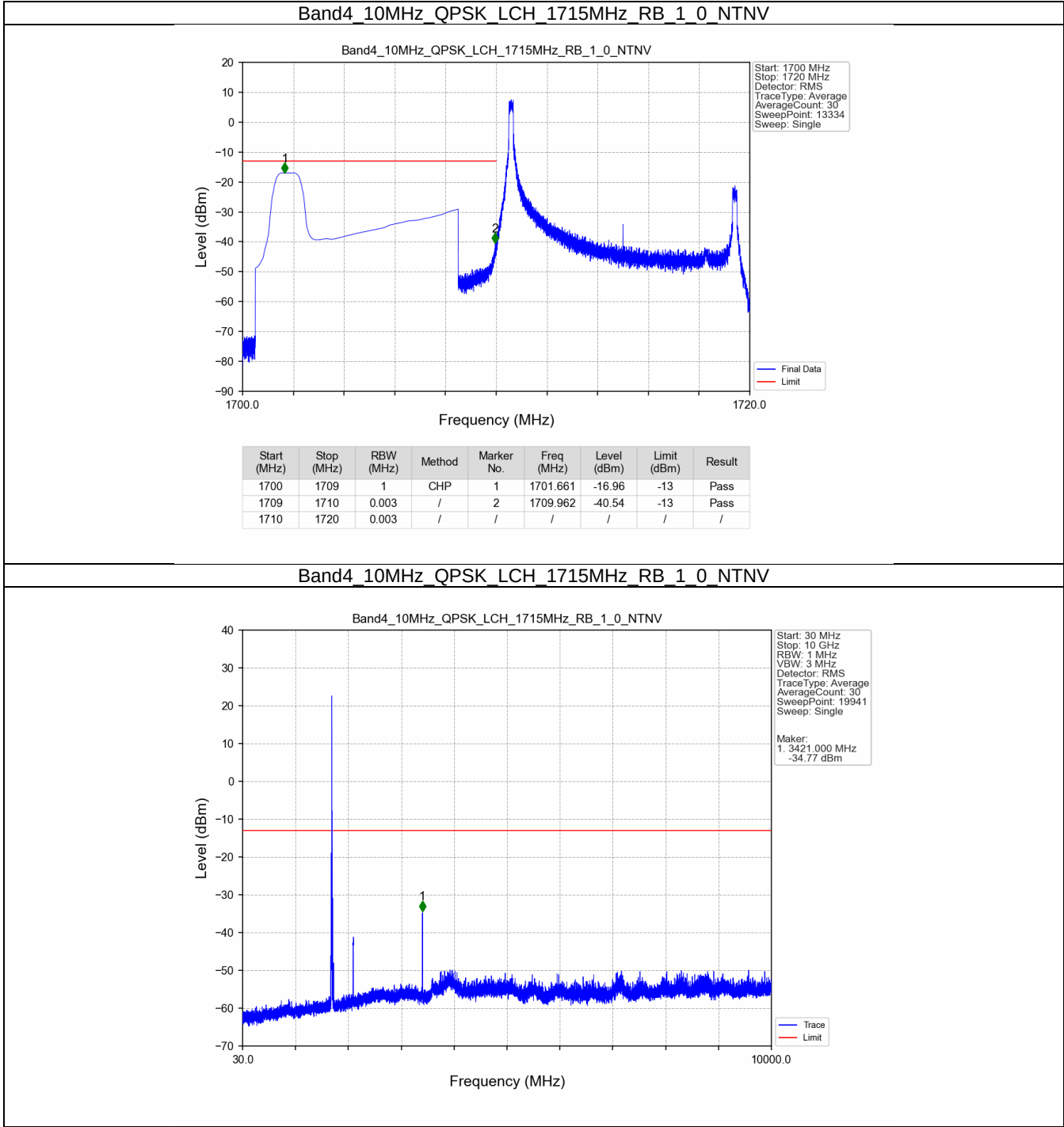
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1750        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.011   | -26.57      | -13         | Pass   |
| 1756        | 1760       | 1         | CHP    | 2          | 1758.765   | -16.95      | -13         | Pass   |

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



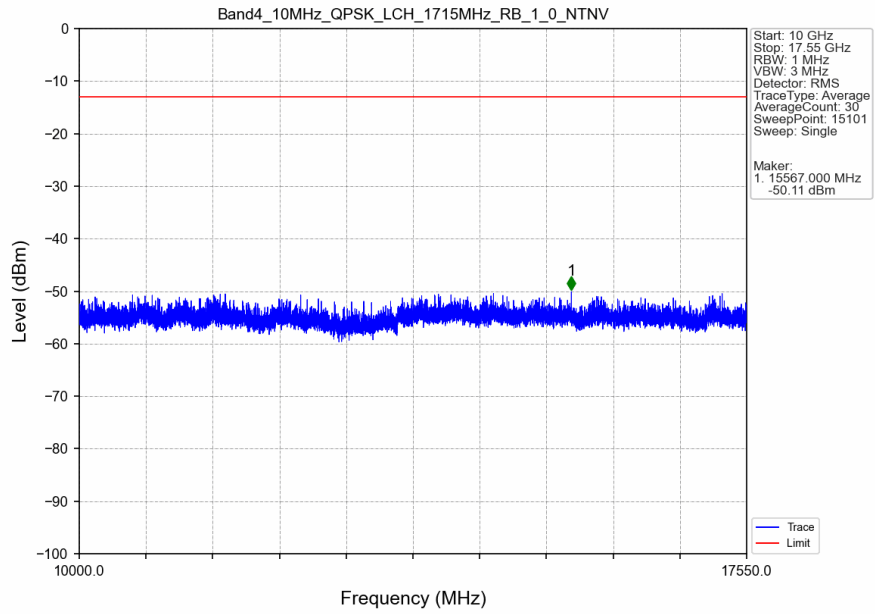
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1750        | 1755       | 0.065     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.065     | CHP    | 1          | 1755.010   | -22.53      | -13         | Pass   |
| 1756        | 1760       | 1         | CHP    | 2          | 1756.500   | -14.17      | -13         | Pass   |

5.2.4 B4\_10MHz

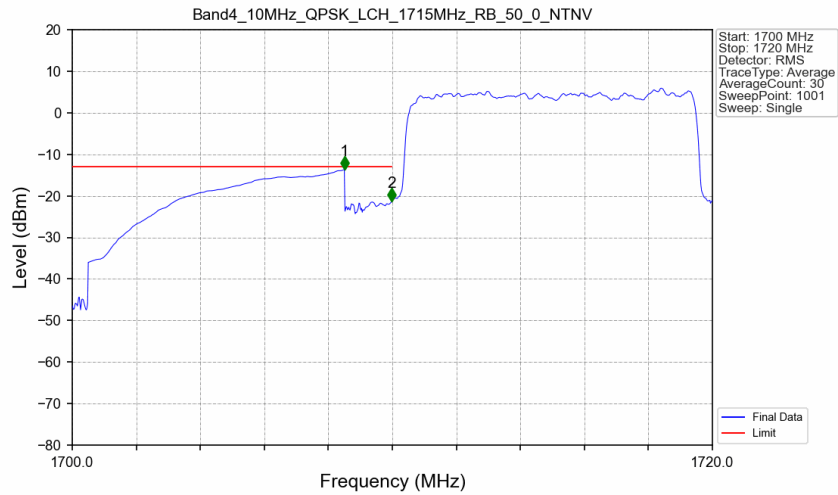




### Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_1\_0\_NTNV

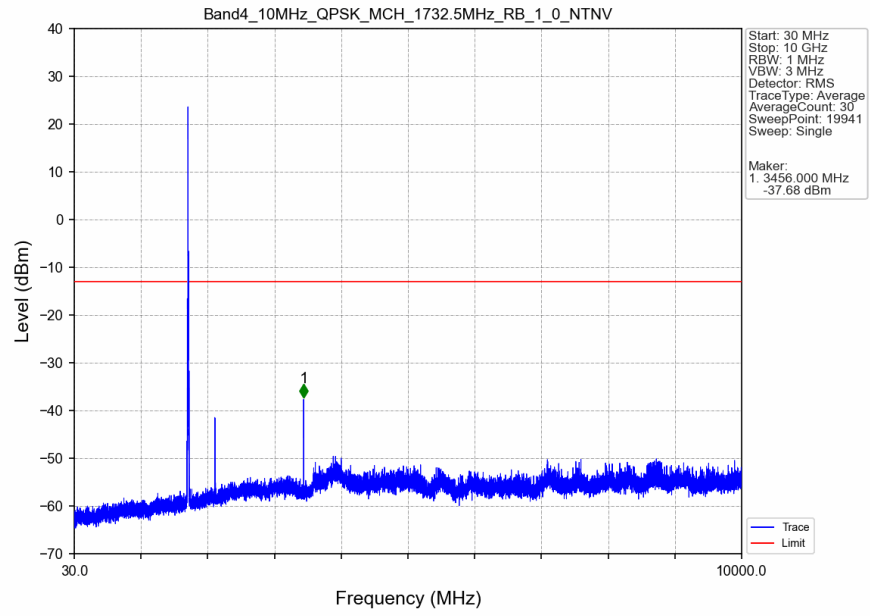


### Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV

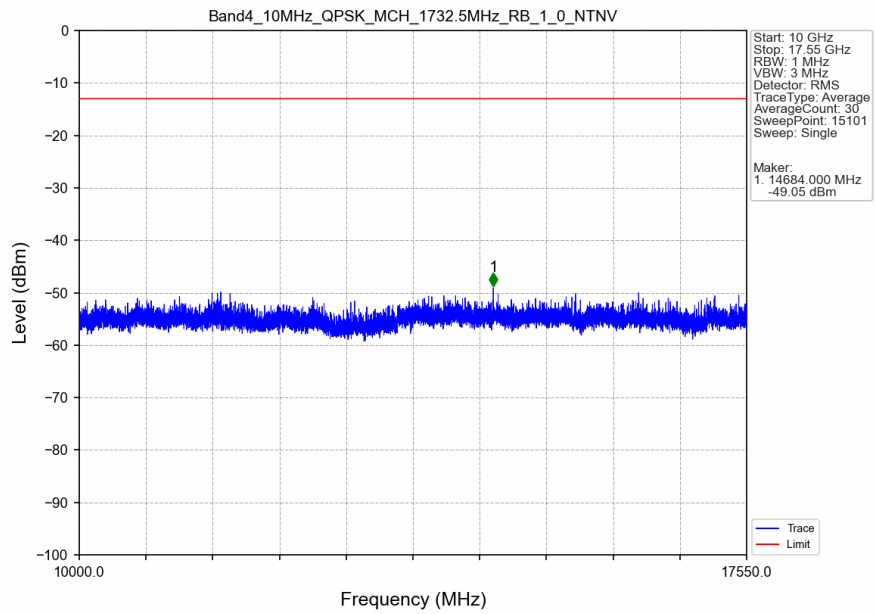


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1700        | 1709       | 1         | CHP    | 1          | 1708.500   | -13.68      | -13         | Pass   |
| 1709        | 1710       | 0.132     | CHP    | 2          | 1709.980   | -21.30      | -13         | Pass   |
| 1710        | 1720       | 0.132     | CHP    | /          | /          | /           | /           | /      |

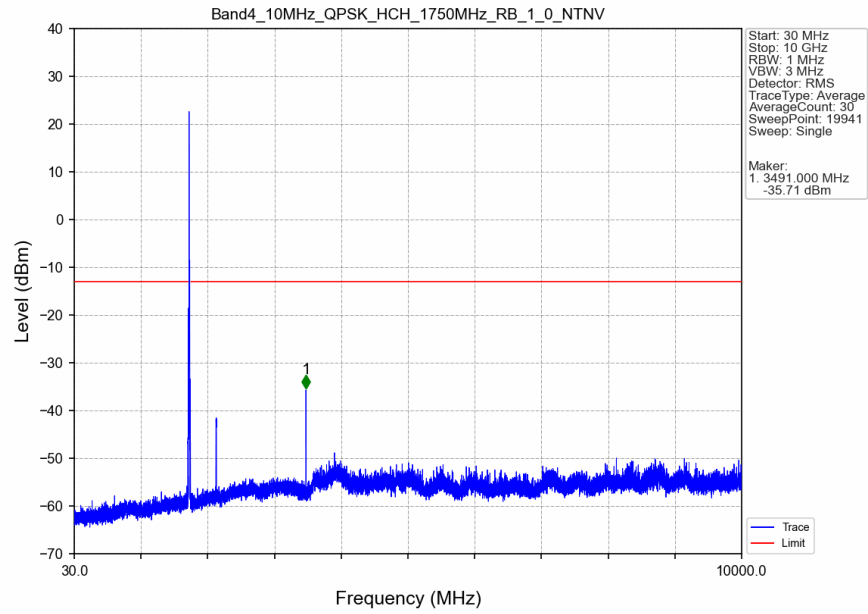
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



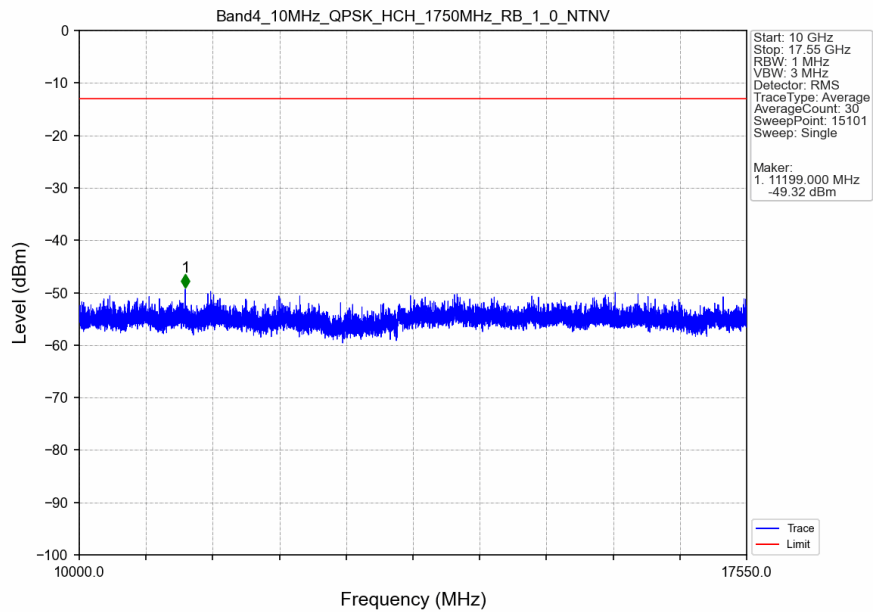
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



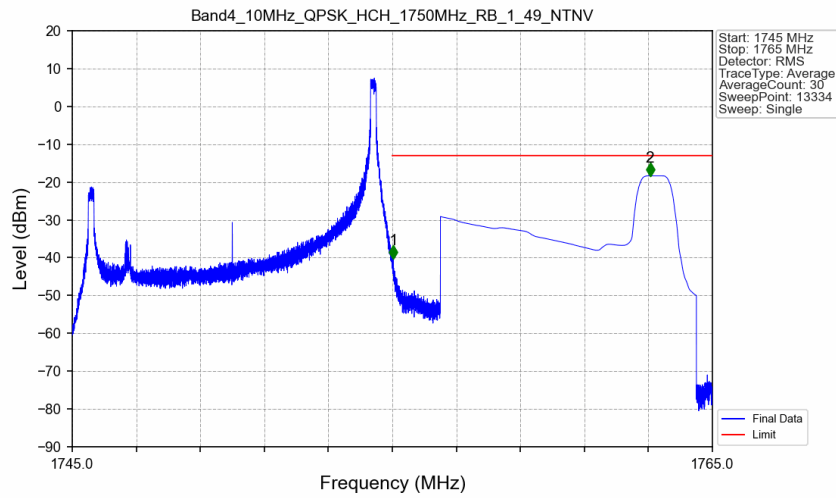
# Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



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

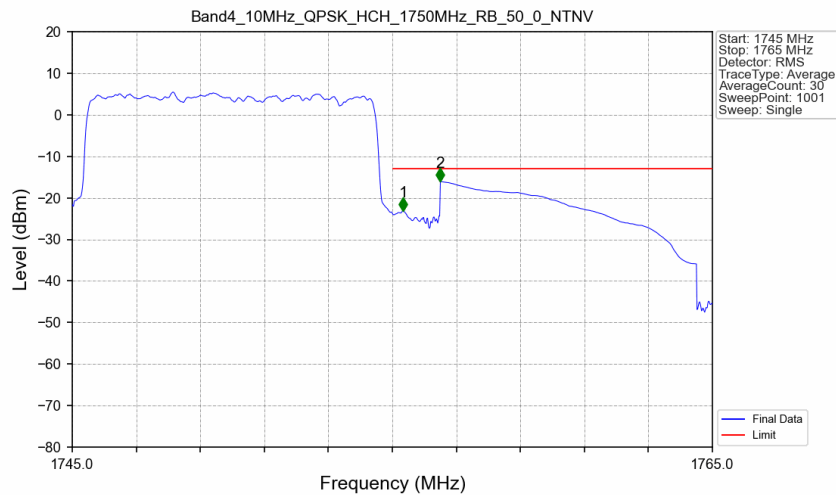


# Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



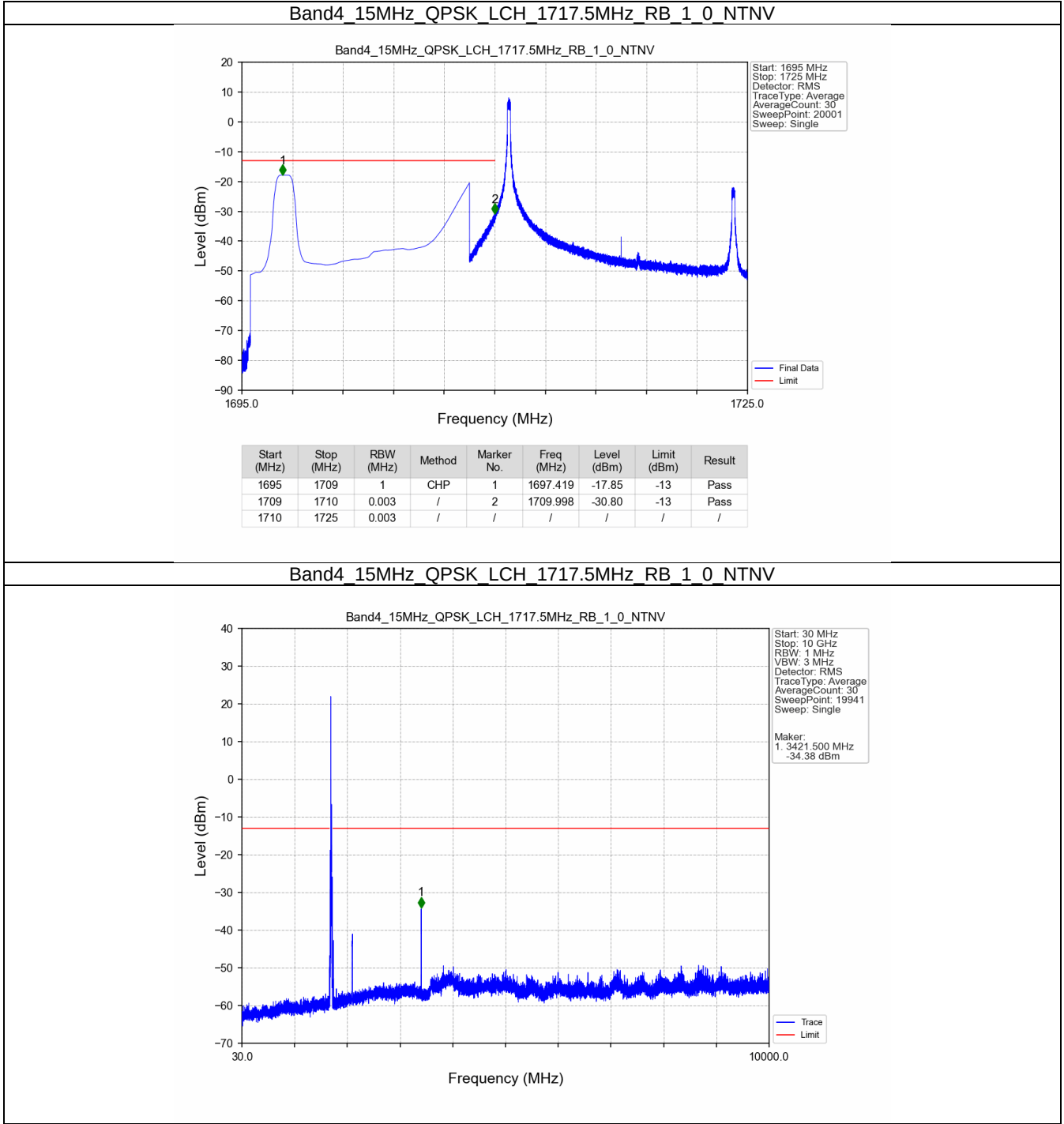
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1745        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.026   | -40.19      | -13         | Pass   |
| 1756        | 1765       | 1         | CHP    | 2          | 1763.050   | -18.34      | -13         | Pass   |

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

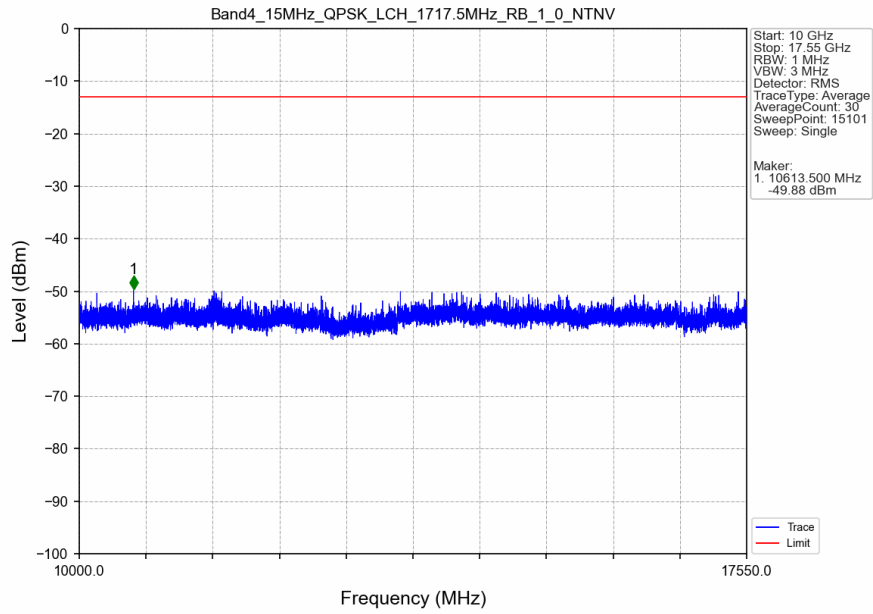


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1745        | 1755       | 0.132     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.132     | CHP    | 1          | 1755.340   | -23.13      | -13         | Pass   |
| 1756        | 1765       | 1         | CHP    | 2          | 1756.500   | -16.08      | -13         | Pass   |

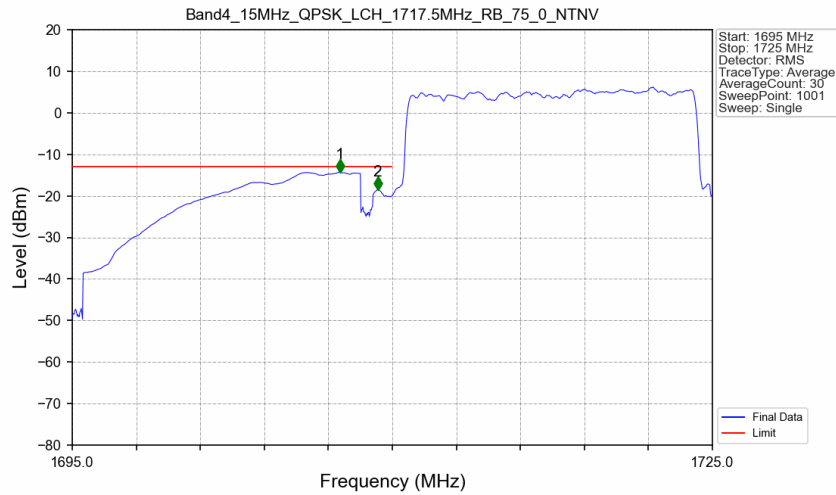
5.2.5 B4\_15MHz



### Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

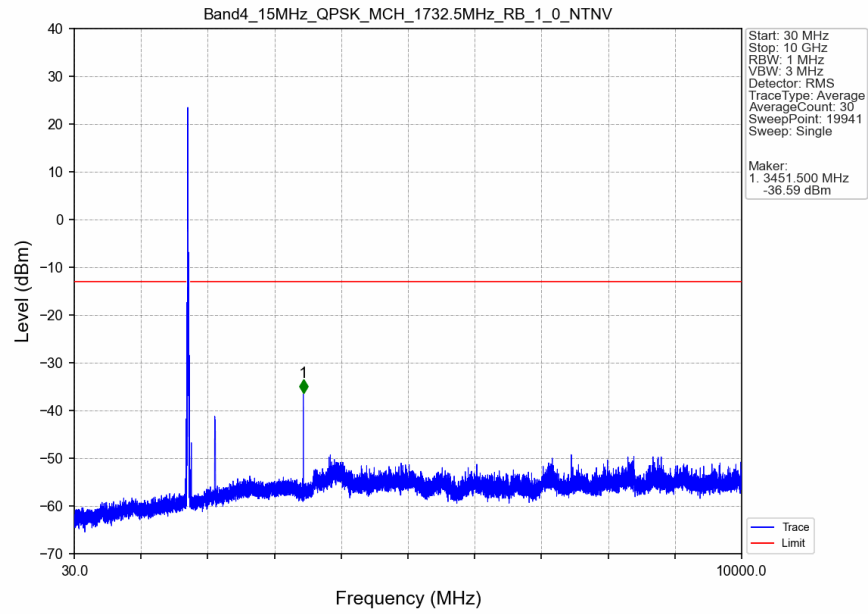


### Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

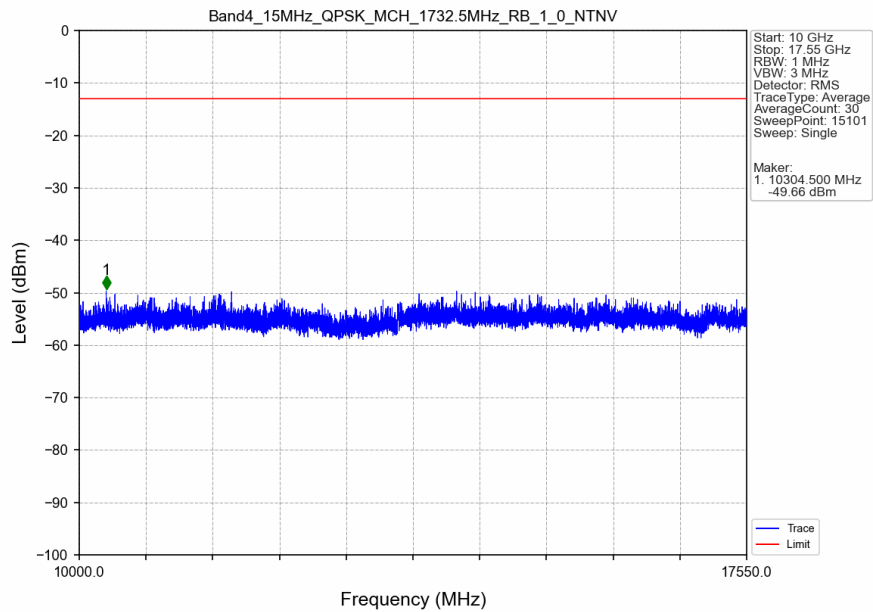


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1695        | 1709       | 1         | CHP    | 1          | 1707.540   | -14.34      | -13         | Pass   |
| 1709        | 1710       | 0.189     | CHP    | 2          | 1709.310   | -18.50      | -13         | Pass   |
| 1710        | 1725       | 0.189     | CHP    | /          | /          | /           | /           | /      |

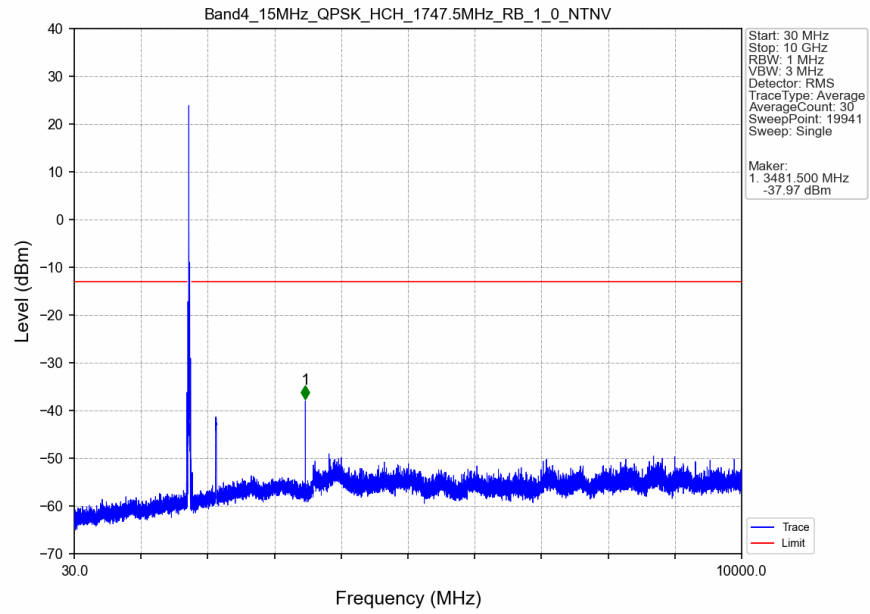
# Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



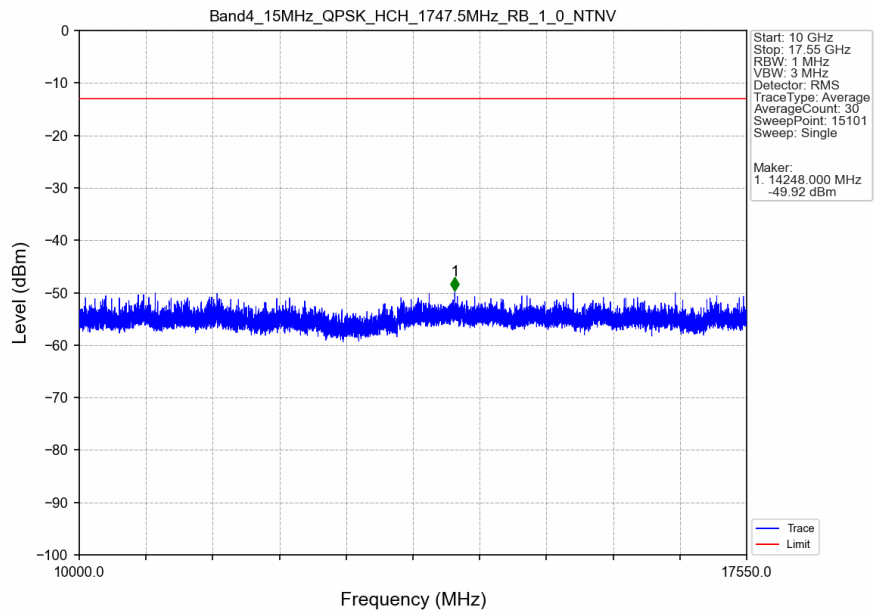
# Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



# Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV

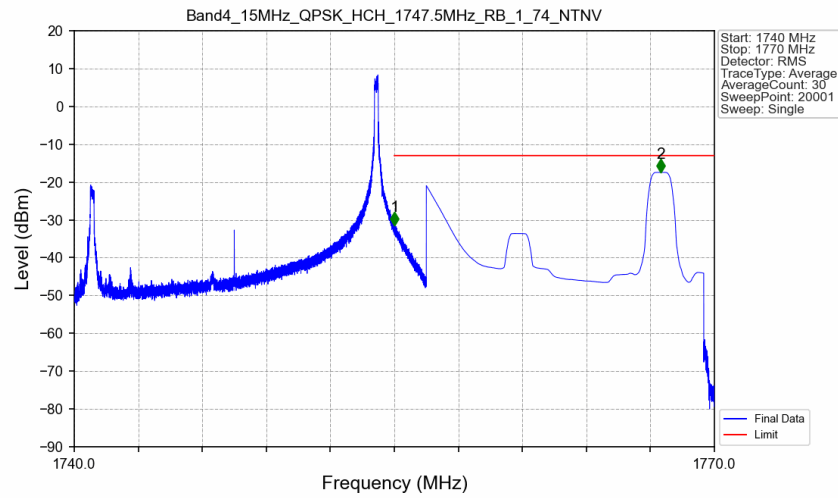


# Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



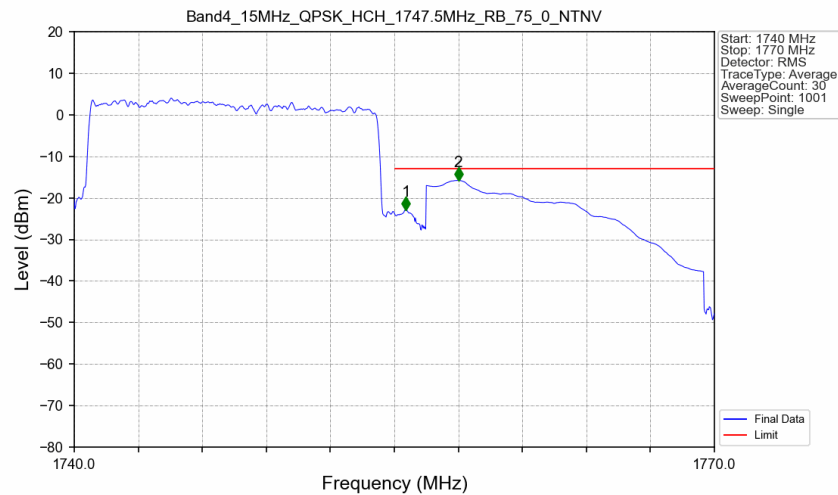


# Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



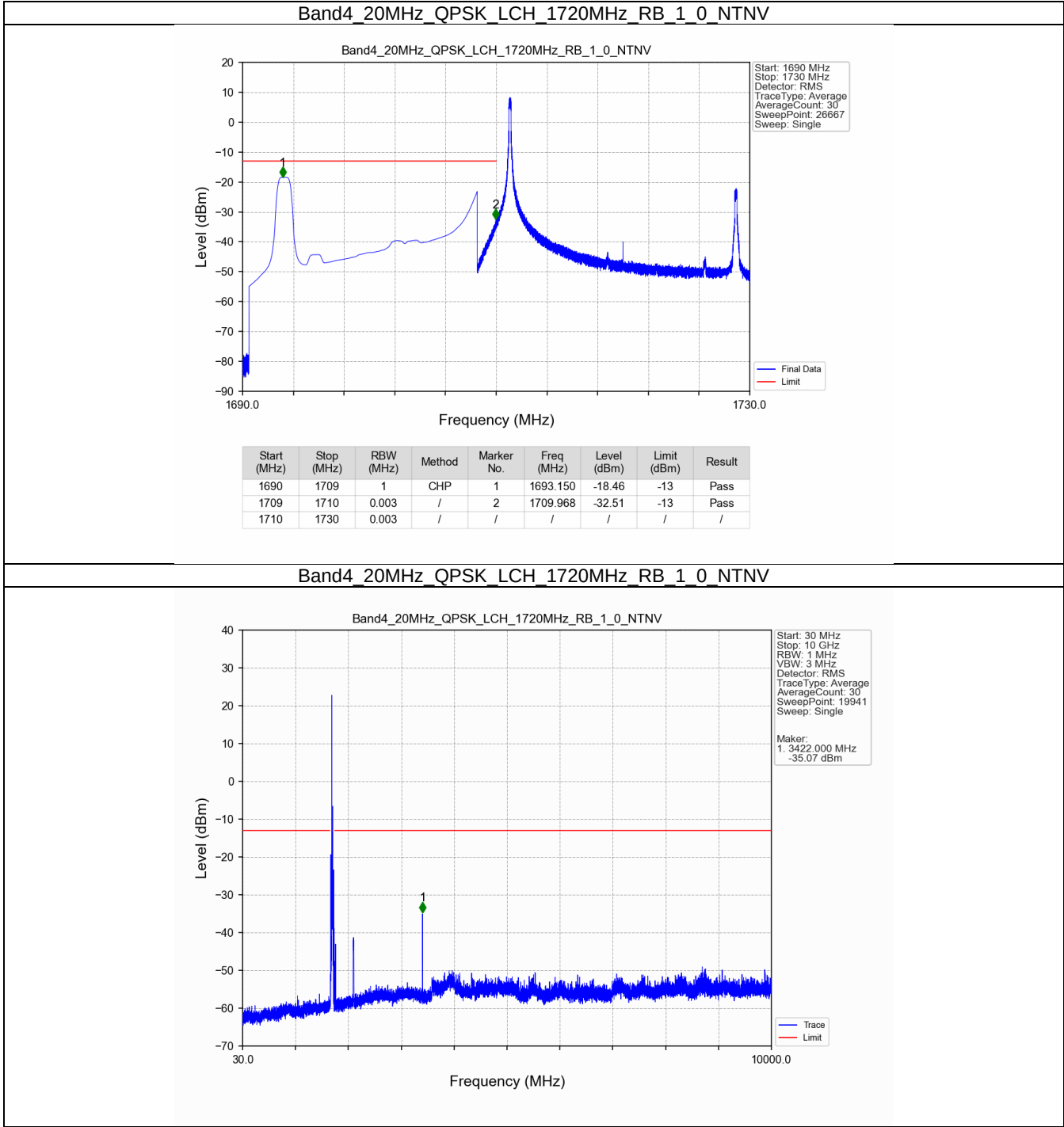
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1740        | 1755       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1          | 1755.012   | -31.36      | -13         | Pass   |
| 1756        | 1770       | 1         | CHP    | 2          | 1767.476   | -17.44      | -13         | Pass   |

# Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV

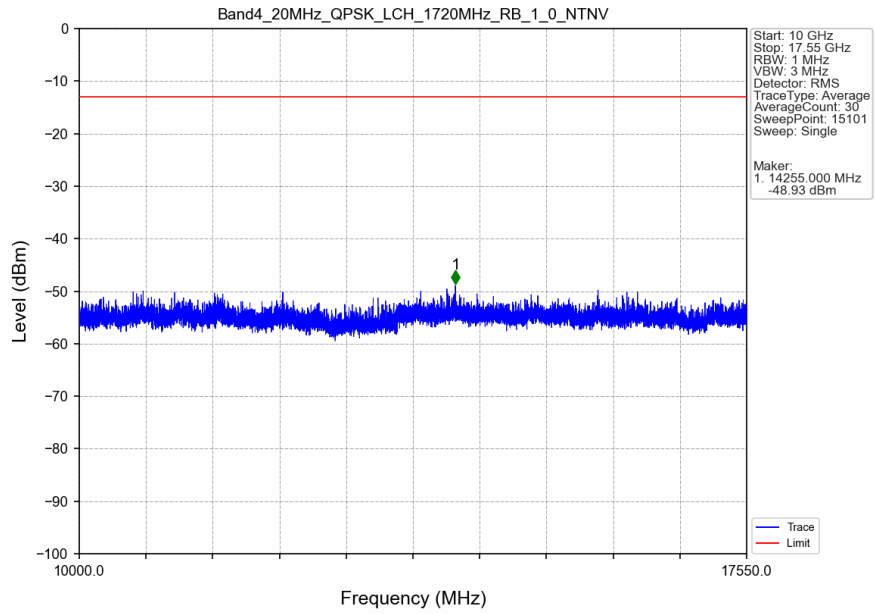


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1740        | 1755       | 0.129     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.129     | CHP    | 1          | 1755.540   | -22.86      | -13         | Pass   |
| 1756        | 1770       | 1         | CHP    | 2          | 1758.000   | -15.77      | -13         | Pass   |

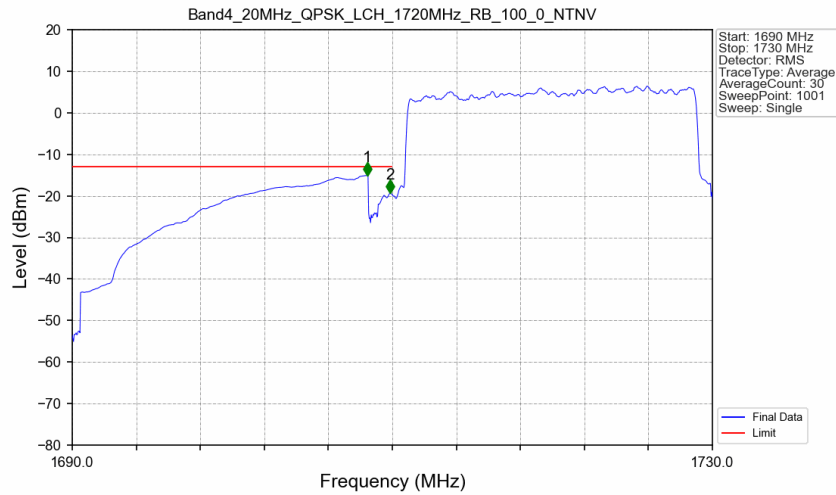
5.2.6 B4\_20MHz



### Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_1\_0\_NTNV

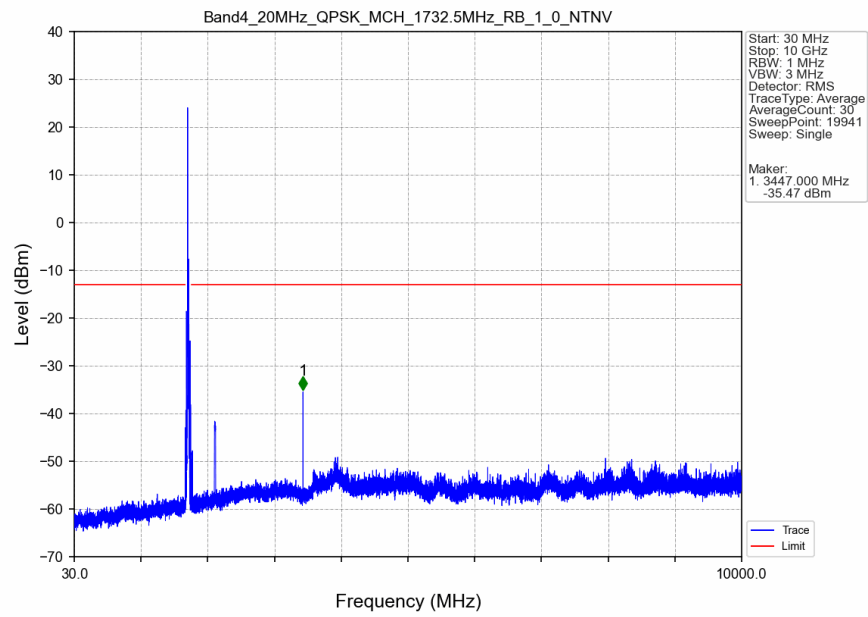


### Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV

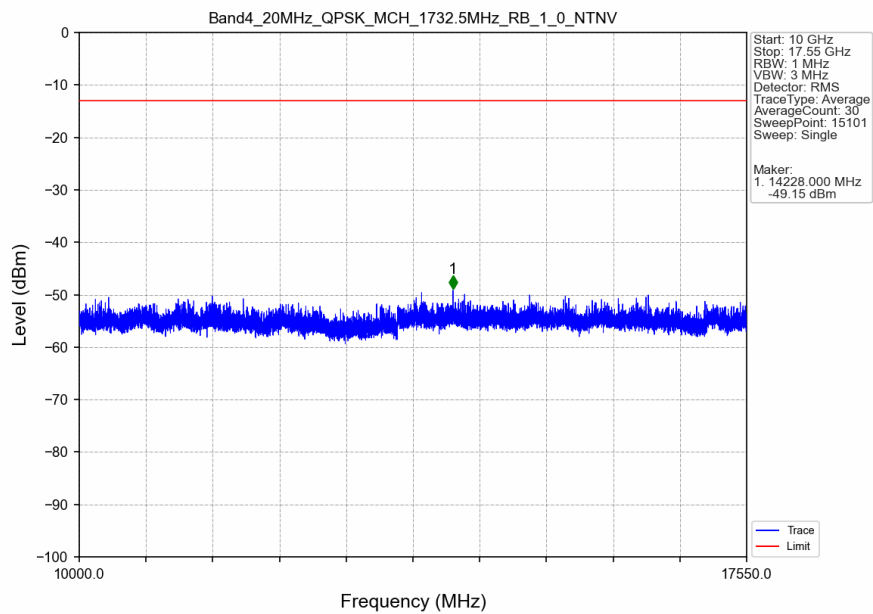


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1690        | 1709       | 1         | CHP    | 1          | 1708.440   | -15.05      | -13         | Pass   |
| 1709        | 1710       | 0.221     | CHP    | 2          | 1709.880   | -19.37      | -13         | Pass   |
| 1710        | 1730       | 0.221     | CHP    | /          | /          | /           | /           | /      |

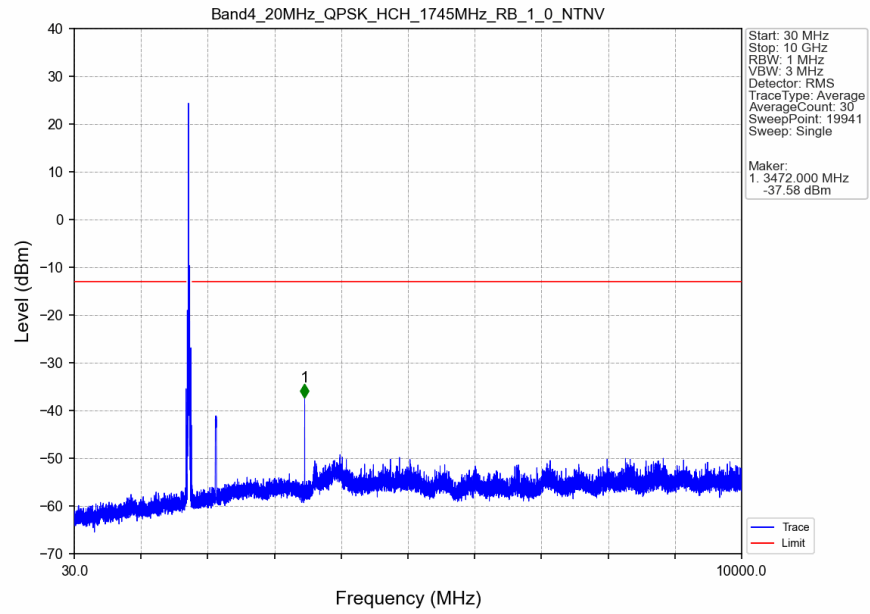
# Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



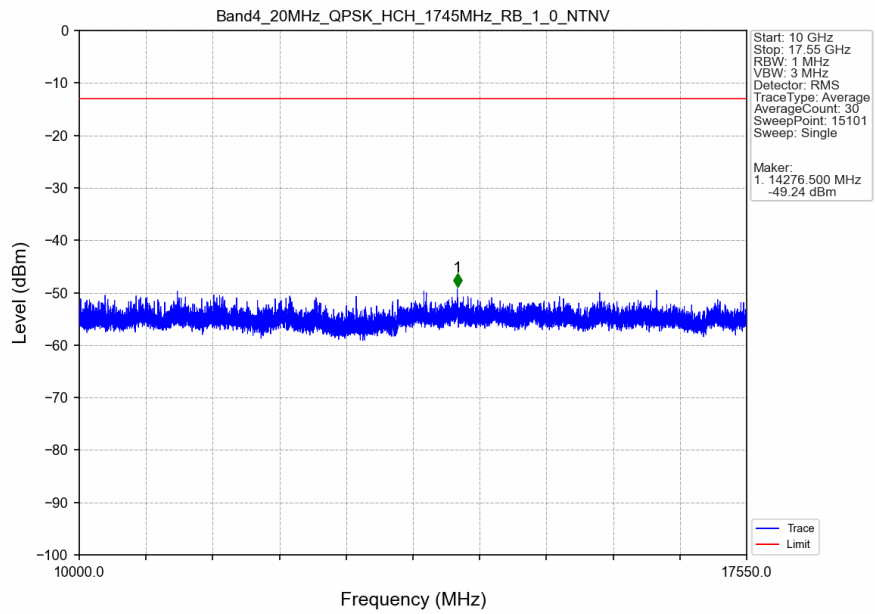
# Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



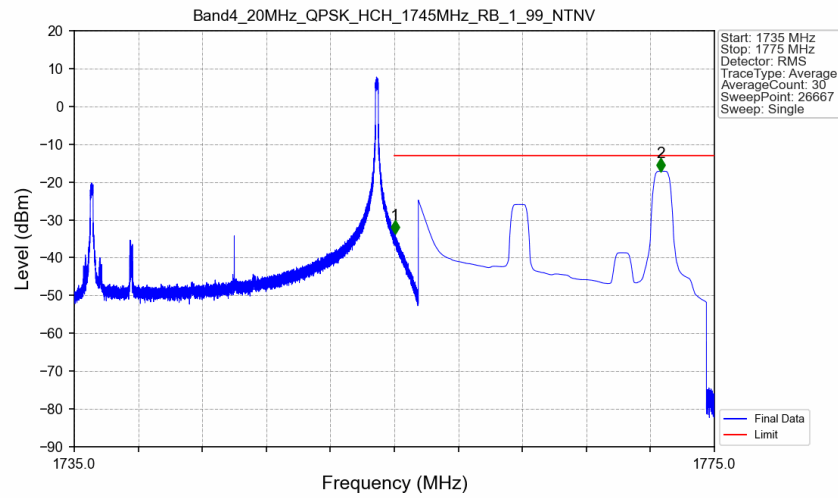
# Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



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

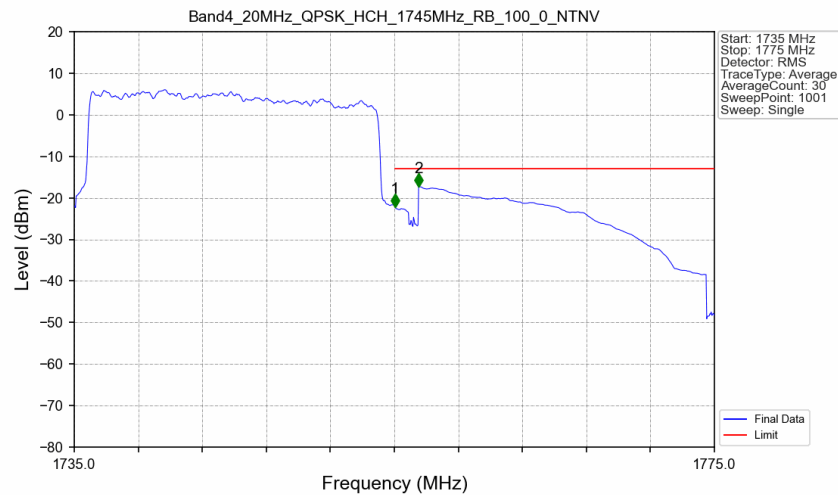


# Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



| 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          | 1755.030   | -33.57      | -13         | Pass   |
| 1756        | 1775       | 1         | CHP    | 2          | 1771.632   | -17.14      | -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       | 0.221     | CHP    | /          | /          | /           | /           | /      |
| 1755        | 1756       | 0.221     | CHP    | 1          | 1755.040   | -22.15      | -13         | Pass   |
| 1756        | 1775       | 1         | CHP    | 2          | 1756.520   | -17.22      | -13         | Pass   |