

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B4\_1.4MHz\_EIRP

### 1.1.1 Test Result

| 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      | 22.80                 | -4.00      | 18.80      | <=30  | Pass    |      |      |
|                                   |                 |               | 2      | 22.57                 | -4.00      | 18.57      | <=30  | Pass    |      |      |
|                                   |                 |               | 5      | 22.30                 | -4.00      | 18.30      | <=30  | Pass    |      |      |
|                                   |                 | 3             | 0      | 22.41                 | -4.00      | 18.41      | <=30  | Pass    |      |      |
|                                   |                 |               | 2      | 22.66                 | -4.00      | 18.66      | <=30  | Pass    |      |      |
|                                   |                 |               | 3      | 22.53                 | -4.00      | 18.53      | <=30  | Pass    |      |      |
|                                   |                 | 6             | 0      | 21.29                 | -4.00      | 17.29      | <=30  | Pass    |      |      |
|                                   |                 | 1732.5        | 1      | 0                     | 22.07      | -4.00      | 18.07 | <=30    | Pass |      |
|                                   |                 |               |        | 2                     | 21.94      | -4.00      | 17.94 | <=30    | Pass |      |
|                                   | 5               |               |        | 21.94                 | -4.00      | 17.94      | <=30  | Pass    |      |      |
|                                   | 3               |               | 0      | 21.95                 | -4.00      | 17.95      | <=30  | Pass    |      |      |
|                                   |                 |               | 2      | 22.33                 | -4.00      | 18.33      | <=30  | Pass    |      |      |
|                                   |                 |               | 3      | 21.90                 | -4.00      | 17.90      | <=30  | Pass    |      |      |
|                                   | 6               |               | 0      | 20.94                 | -4.00      | 16.94      | <=30  | Pass    |      |      |
|                                   | 1754.3          |               | 1      | 0                     | 21.95      | -4.00      | 17.95 | <=30    | Pass |      |
|                                   |                 |               |        | 2                     | 22.00      | -4.00      | 18.00 | <=30    | Pass |      |
|                                   |                 | 5             |        | 21.80                 | -4.00      | 17.80      | <=30  | Pass    |      |      |
|                                   |                 | 3             | 0      | 21.84                 | -4.00      | 17.84      | <=30  | Pass    |      |      |
|                                   |                 |               | 2      | 21.87                 | -4.00      | 17.87      | <=30  | Pass    |      |      |
|                                   |                 |               | 3      | 21.81                 | -4.00      | 17.81      | <=30  | Pass    |      |      |
|                                   |                 | 6             | 0      | 20.78                 | -4.00      | 16.78      | <=30  | Pass    |      |      |
|                                   |                 | 16QAM         | 1710.7 | 1                     | 0          | 21.04      | -4.00 | 17.04   | <=30 | Pass |
|                                   |                 |               |        |                       | 2          | 21.86      | -4.00 | 17.86   | <=30 | Pass |
|                                   | 5               |               |        |                       | 21.83      | -4.00      | 17.83 | <=30    | Pass |      |
|                                   | 3               |               |        | 0                     | 21.46      | -4.00      | 17.46 | <=30    | Pass |      |
|                                   |                 |               |        | 2                     | 21.47      | -4.00      | 17.47 | <=30    | Pass |      |
|                                   |                 |               |        | 3                     | 21.45      | -4.00      | 17.45 | <=30    | Pass |      |
| 6                                 | 0               |               |        | 20.26                 | -4.00      | 16.26      | <=30  | Pass    |      |      |
| 1732.5                            | 1               |               |        | 0                     | 20.83      | -4.00      | 16.83 | <=30    | Pass |      |
|                                   |                 |               |        | 2                     | 20.93      | -4.00      | 16.93 | <=30    | Pass |      |
|                                   |                 |               | 5      | 20.97                 | -4.00      | 16.97      | <=30  | Pass    |      |      |
|                                   | 3               |               | 0      | 21.03                 | -4.00      | 17.03      | <=30  | Pass    |      |      |
|                                   |                 |               | 2      | 21.03                 | -4.00      | 17.03      | <=30  | Pass    |      |      |
|                                   |                 |               | 3      | 21.32                 | -4.00      | 17.32      | <=30  | Pass    |      |      |
|                                   | 6               |               | 0      | 19.85                 | -4.00      | 15.85      | <=30  | Pass    |      |      |
|                                   | 1754.3          |               | 1      | 0                     | 20.48      | -4.00      | 16.48 | <=30    | Pass |      |
|                                   |                 |               |        | 2                     | 20.41      | -4.00      | 16.41 | <=30    | Pass |      |
| 5                                 |                 |               |        | 20.59                 | -4.00      | 16.59      | <=30  | Pass    |      |      |
| 3                                 |                 |               | 0      | 20.80                 | -4.00      | 16.80      | <=30  | Pass    |      |      |
|                                   |                 |               | 2      | 20.91                 | -4.00      | 16.91      | <=30  | Pass    |      |      |
|                                   |                 |               | 3      | 20.80                 | -4.00      | 16.80      | <=30  | Pass    |      |      |
| 6                                 |                 |               | 0      | 19.77                 | -4.00      | 15.77      | <=30  | Pass    |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B4\_3MHz\_EIRP

### 1.2.1 Test Result

| 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      | 22.43                 | -4.00      | 18.43      | <=30  | Pass    |      |      |
|                                  |                 |               | 7      | 22.58                 | -4.00      | 18.58      | <=30  | Pass    |      |      |
|                                  |                 |               | 14     | 22.35                 | -4.00      | 18.35      | <=30  | Pass    |      |      |
|                                  |                 | 8             | 0      | 21.22                 | -4.00      | 17.22      | <=30  | Pass    |      |      |
|                                  |                 |               | 4      | 21.26                 | -4.00      | 17.26      | <=30  | Pass    |      |      |
|                                  |                 |               | 7      | 21.18                 | -4.00      | 17.18      | <=30  | Pass    |      |      |
|                                  |                 | 15            | 0      | 21.18                 | -4.00      | 17.18      | <=30  | Pass    |      |      |
|                                  |                 | 1732.5        | 1      | 0                     | 22.19      | -4.00      | 18.19 | <=30    | Pass |      |
|                                  |                 |               |        | 7                     | 22.26      | -4.00      | 18.26 | <=30    | Pass |      |
|                                  | 14              |               |        | 22.40                 | -4.00      | 18.40      | <=30  | Pass    |      |      |
|                                  | 8               |               | 0      | 21.05                 | -4.00      | 17.05      | <=30  | Pass    |      |      |
|                                  |                 |               | 4      | 21.20                 | -4.00      | 17.20      | <=30  | Pass    |      |      |
|                                  |                 |               | 7      | 21.20                 | -4.00      | 17.20      | <=30  | Pass    |      |      |
|                                  | 15              |               | 0      | 21.14                 | -4.00      | 17.14      | <=30  | Pass    |      |      |
|                                  | 1753.5          |               | 1      | 0                     | 21.61      | -4.00      | 17.61 | <=30    | Pass |      |
|                                  |                 |               |        | 7                     | 21.80      | -4.00      | 17.80 | <=30    | Pass |      |
|                                  |                 | 14            |        | 21.66                 | -4.00      | 17.66      | <=30  | Pass    |      |      |
|                                  |                 | 8             | 0      | 20.68                 | -4.00      | 16.68      | <=30  | Pass    |      |      |
|                                  |                 |               | 4      | 20.69                 | -4.00      | 16.69      | <=30  | Pass    |      |      |
|                                  |                 |               | 7      | 20.66                 | -4.00      | 16.66      | <=30  | Pass    |      |      |
|                                  |                 | 15            | 0      | 20.65                 | -4.00      | 16.65      | <=30  | Pass    |      |      |
|                                  |                 | 16QAM         | 1711.5 | 1                     | 0          | 21.08      | -4.00 | 17.08   | <=30 | Pass |
|                                  |                 |               |        |                       | 7          | 21.68      | -4.00 | 17.68   | <=30 | Pass |
|                                  | 14              |               |        |                       | 21.38      | -4.00      | 17.38 | <=30    | Pass |      |
|                                  | 8               |               |        | 0                     | 20.10      | -4.00      | 16.10 | <=30    | Pass |      |
|                                  |                 |               |        | 4                     | 20.14      | -4.00      | 16.14 | <=30    | Pass |      |
|                                  |                 |               |        | 7                     | 20.35      | -4.00      | 16.35 | <=30    | Pass |      |
| 15                               | 0               |               |        | 20.40                 | -4.00      | 16.40      | <=30  | Pass    |      |      |
| 1732.5                           | 1               |               |        | 0                     | 21.57      | -4.00      | 17.57 | <=30    | Pass |      |
|                                  |                 |               |        | 7                     | 21.54      | -4.00      | 17.54 | <=30    | Pass |      |
|                                  |                 |               | 14     | 22.02                 | -4.00      | 18.02      | <=30  | Pass    |      |      |
|                                  | 8               |               | 0      | 20.22                 | -4.00      | 16.22      | <=30  | Pass    |      |      |
|                                  |                 |               | 4      | 20.29                 | -4.00      | 16.29      | <=30  | Pass    |      |      |
|                                  |                 |               | 7      | 20.29                 | -4.00      | 16.29      | <=30  | Pass    |      |      |
|                                  | 15              |               | 0      | 20.10                 | -4.00      | 16.10      | <=30  | Pass    |      |      |
|                                  | 1753.5          |               | 1      | 0                     | 20.64      | -4.00      | 16.64 | <=30    | Pass |      |
|                                  |                 |               |        | 7                     | 20.59      | -4.00      | 16.59 | <=30    | Pass |      |
| 14                               |                 |               |        | 20.53                 | -4.00      | 16.53      | <=30  | Pass    |      |      |
| 8                                |                 |               | 0      | 19.68                 | -4.00      | 15.68      | <=30  | Pass    |      |      |
|                                  |                 |               | 4      | 19.79                 | -4.00      | 15.79      | <=30  | Pass    |      |      |
|                                  |                 |               | 7      | 19.64                 | -4.00      | 15.64      | <=30  | Pass    |      |      |
| 15                               |                 |               | 0      | 19.66                 | -4.00      | 15.66      | <=30  | Pass    |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.3 B4\_5MHz\_EIRP

#### 1.3.1 Test Result

| 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      | 22.57                 | -4.00      | 18.57      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 22.46                 | -4.00      | 18.46      | <=30  | Pass    |      |      |
|                                  |                 |               | 24     | 22.33                 | -4.00      | 18.33      | <=30  | Pass    |      |      |
|                                  |                 | 12            | 0      | 21.35                 | -4.00      | 17.35      | <=30  | Pass    |      |      |
|                                  |                 |               | 6      | 21.30                 | -4.00      | 17.30      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 21.19                 | -4.00      | 17.19      | <=30  | Pass    |      |      |
|                                  |                 | 25            | 0      | 21.27                 | -4.00      | 17.27      | <=30  | Pass    |      |      |
|                                  |                 | 1732.5        | 1      | 0                     | 21.80      | -4.00      | 17.80 | <=30    | Pass |      |
|                                  |                 |               |        | 13                    | 21.99      | -4.00      | 17.99 | <=30    | Pass |      |
|                                  | 24              |               |        | 22.20                 | -4.00      | 18.20      | <=30  | Pass    |      |      |
|                                  | 12              |               | 0      | 20.95                 | -4.00      | 16.95      | <=30  | Pass    |      |      |
|                                  |                 |               | 6      | 21.07                 | -4.00      | 17.07      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 20.95                 | -4.00      | 16.95      | <=30  | Pass    |      |      |
|                                  | 25              |               | 0      | 20.90                 | -4.00      | 16.90      | <=30  | Pass    |      |      |
|                                  | 1752.5          |               | 1      | 0                     | 21.58      | -4.00      | 17.58 | <=30    | Pass |      |
|                                  |                 |               |        | 13                    | 21.60      | -4.00      | 17.60 | <=30    | Pass |      |
|                                  |                 | 24            |        | 21.65                 | -4.00      | 17.65      | <=30  | Pass    |      |      |
|                                  |                 | 12            | 0      | 20.73                 | -4.00      | 16.73      | <=30  | Pass    |      |      |
|                                  |                 |               | 6      | 20.68                 | -4.00      | 16.68      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 20.60                 | -4.00      | 16.60      | <=30  | Pass    |      |      |
|                                  |                 | 25            | 0      | 20.79                 | -4.00      | 16.79      | <=30  | Pass    |      |      |
|                                  |                 | 16QAM         | 1712.5 | 1                     | 0          | 20.81      | -4.00 | 16.81   | <=30 | Pass |
|                                  |                 |               |        |                       | 13         | 21.13      | -4.00 | 17.13   | <=30 | Pass |
|                                  | 24              |               |        |                       | 20.98      | -4.00      | 16.98 | <=30    | Pass |      |
| 12                               | 0               |               |        | 20.26                 | -4.00      | 16.26      | <=30  | Pass    |      |      |
|                                  | 6               |               |        | 20.24                 | -4.00      | 16.24      | <=30  | Pass    |      |      |
|                                  | 13              |               |        | 20.20                 | -4.00      | 16.20      | <=30  | Pass    |      |      |
| 25                               | 0               |               |        | 20.39                 | -4.00      | 16.39      | <=30  | Pass    |      |      |
| 1732.5                           | 1               |               |        | 0                     | 20.73      | -4.00      | 16.73 | <=30    | Pass |      |
|                                  |                 |               |        | 13                    | 20.95      | -4.00      | 16.95 | <=30    | Pass |      |
|                                  |                 |               | 24     | 21.43                 | -4.00      | 17.43      | <=30  | Pass    |      |      |
|                                  | 12              |               | 0      | 19.76                 | -4.00      | 15.76      | <=30  | Pass    |      |      |
|                                  |                 |               | 6      | 20.16                 | -4.00      | 16.16      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 20.07                 | -4.00      | 16.07      | <=30  | Pass    |      |      |
|                                  | 25              |               | 0      | 19.84                 | -4.00      | 15.84      | <=30  | Pass    |      |      |
|                                  | 1752.5          |               | 1      | 0                     | 20.12      | -4.00      | 16.12 | <=30    | Pass |      |
|                                  |                 |               |        | 13                    | 20.27      | -4.00      | 16.27 | <=30    | Pass |      |
| 24                               |                 |               |        | 20.31                 | -4.00      | 16.31      | <=30  | Pass    |      |      |
| 12                               |                 |               | 0      | 19.73                 | -4.00      | 15.73      | <=30  | Pass    |      |      |
|                                  |                 |               | 6      | 19.52                 | -4.00      | 15.52      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 19.45                 | -4.00      | 15.45      | <=30  | Pass    |      |      |
| 25                               |                 |               | 0      | 19.55                 | -4.00      | 15.55      | <=30  | Pass    |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B4\_10MHz\_EIRP

### 1.4.1 Test Result

| 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      | 22.08                 | -4.00      | 18.08      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 22.47                 | -4.00      | 18.47      | <=30  | Pass    |      |      |
|                                  |                 |               | 49     | 21.84                 | -4.00      | 17.84      | <=30  | Pass    |      |      |
|                                  |                 | 25            | 0      | 21.21                 | -4.00      | 17.21      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 21.11                 | -4.00      | 17.11      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 20.99                 | -4.00      | 16.99      | <=30  | Pass    |      |      |
|                                  |                 | 50            | 0      | 21.16                 | -4.00      | 17.16      | <=30  | Pass    |      |      |
|                                  |                 | 1732.5        | 1      | 0                     | 22.16      | -4.00      | 18.16 | <=30    | Pass |      |
|                                  |                 |               |        | 25                    | 22.48      | -4.00      | 18.48 | <=30    | Pass |      |
|                                  | 49              |               |        | 21.90                 | -4.00      | 17.90      | <=30  | Pass    |      |      |
|                                  | 25              |               | 0      | 20.87                 | -4.00      | 16.87      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 21.02                 | -4.00      | 17.02      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 20.94                 | -4.00      | 16.94      | <=30  | Pass    |      |      |
|                                  | 50              |               | 0      | 20.98                 | -4.00      | 16.98      | <=30  | Pass    |      |      |
|                                  | 1750            |               | 1      | 0                     | 21.91      | -4.00      | 17.91 | <=30    | Pass |      |
|                                  |                 |               |        | 25                    | 21.83      | -4.00      | 17.83 | <=30    | Pass |      |
|                                  |                 | 49            |        | 21.79                 | -4.00      | 17.79      | <=30  | Pass    |      |      |
|                                  |                 | 25            | 0      | 20.90                 | -4.00      | 16.90      | <=30  | Pass    |      |      |
|                                  |                 |               | 13     | 20.81                 | -4.00      | 16.81      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 20.60                 | -4.00      | 16.60      | <=30  | Pass    |      |      |
|                                  |                 | 50            | 0      | 20.84                 | -4.00      | 16.84      | <=30  | Pass    |      |      |
|                                  |                 | 16QAM         | 1715   | 1                     | 0          | 21.01      | -4.00 | 17.01   | <=30 | Pass |
|                                  |                 |               |        |                       | 25         | 21.59      | -4.00 | 17.59   | <=30 | Pass |
|                                  | 49              |               |        |                       | 20.41      | -4.00      | 16.41 | <=30    | Pass |      |
| 12                               | 0               |               |        | 21.25                 | -4.00      | 17.25      | <=30  | Pass    |      |      |
|                                  | 19              |               |        | 21.16                 | -4.00      | 17.16      | <=30  | Pass    |      |      |
|                                  | 38              |               |        | 20.70                 | -4.00      | 16.70      | <=30  | Pass    |      |      |
| 27                               | 0               |               |        | 20.39                 | -4.00      | 16.39      | <=30  | Pass    |      |      |
| 1732.5                           | 1               |               |        | 0                     | 20.75      | -4.00      | 16.75 | <=30    | Pass |      |
|                                  |                 |               |        | 25                    | 21.68      | -4.00      | 17.68 | <=30    | Pass |      |
|                                  |                 |               | 49     | 20.80                 | -4.00      | 16.80      | <=30  | Pass    |      |      |
|                                  | 12              |               | 0      | 21.01                 | -4.00      | 17.01      | <=30  | Pass    |      |      |
|                                  |                 |               | 19     | 21.02                 | -4.00      | 17.02      | <=30  | Pass    |      |      |
|                                  |                 |               | 38     | 21.04                 | -4.00      | 17.04      | <=30  | Pass    |      |      |
|                                  | 27              |               | 0      | 19.94                 | -4.00      | 15.94      | <=30  | Pass    |      |      |
|                                  | 1750            |               | 1      | 0                     | 21.35      | -4.00      | 17.35 | <=30    | Pass |      |
|                                  |                 |               |        | 25                    | 21.19      | -4.00      | 17.19 | <=30    | Pass |      |
| 49                               |                 |               |        | 21.25                 | -4.00      | 17.25      | <=30  | Pass    |      |      |
| 12                               |                 |               | 0      | 20.78                 | -4.00      | 16.78      | <=30  | Pass    |      |      |
|                                  |                 |               | 19     | 20.80                 | -4.00      | 16.80      | <=30  | Pass    |      |      |
|                                  |                 |               | 38     | 20.46                 | -4.00      | 16.46      | <=30  | Pass    |      |      |
| 27                               |                 |               | 23     | 19.65                 | -4.00      | 15.65      | <=30  | Pass    |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

# 1.5 B4\_15MHz\_EIRP

## 1.5.1 Test Result

| Band: 4 / Bandwidth: 15MHz / NTV |                 |               |        |                       |            |            |       |         |      |      |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|------|------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |      |      |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit |         |      |      |
| QPSK                             | 1717.5          | 1             | 0      | 22.44                 | -4.00      | 18.44      | <=30  | Pass    |      |      |
|                                  |                 |               | 38     | 22.15                 | -4.00      | 18.15      | <=30  | Pass    |      |      |
|                                  |                 |               | 74     | 21.92                 | -4.00      | 17.92      | <=30  | Pass    |      |      |
|                                  |                 | 36            | 0      | 21.09                 | -4.00      | 17.09      | <=30  | Pass    |      |      |
|                                  |                 |               | 18     | 21.42                 | -4.00      | 17.42      | <=30  | Pass    |      |      |
|                                  |                 |               | 39     | 21.02                 | -4.00      | 17.02      | <=30  | Pass    |      |      |
|                                  |                 | 75            | 0      | 21.21                 | -4.00      | 17.21      | <=30  | Pass    |      |      |
|                                  |                 | 1732.5        | 1      | 0                     | 22.19      | -4.00      | 18.19 | <=30    | Pass |      |
|                                  |                 |               |        | 38                    | 22.24      | -4.00      | 18.24 | <=30    | Pass |      |
|                                  | 74              |               |        | 22.17                 | -4.00      | 18.17      | <=30  | Pass    |      |      |
|                                  | 36              |               | 0      | 21.21                 | -4.00      | 17.21      | <=30  | Pass    |      |      |
|                                  |                 |               | 18     | 21.32                 | -4.00      | 17.32      | <=30  | Pass    |      |      |
|                                  |                 |               | 39     | 21.30                 | -4.00      | 17.30      | <=30  | Pass    |      |      |
|                                  | 75              |               | 0      | 21.23                 | -4.00      | 17.23      | <=30  | Pass    |      |      |
|                                  | 1747.5          |               | 1      | 0                     | 22.23      | -4.00      | 18.23 | <=30    | Pass |      |
|                                  |                 |               |        | 38                    | 22.23      | -4.00      | 18.23 | <=30    | Pass |      |
|                                  |                 | 74            |        | 21.83                 | -4.00      | 17.83      | <=30  | Pass    |      |      |
|                                  |                 | 36            | 0      | 21.19                 | -4.00      | 17.19      | <=30  | Pass    |      |      |
|                                  |                 |               | 18     | 21.22                 | -4.00      | 17.22      | <=30  | Pass    |      |      |
|                                  |                 |               | 39     | 21.17                 | -4.00      | 17.17      | <=30  | Pass    |      |      |
|                                  |                 | 75            | 0      | 21.16                 | -4.00      | 17.16      | <=30  | Pass    |      |      |
|                                  |                 | 16QAM         | 1717.5 | 1                     | 0          | 21.41      | -4.00 | 17.41   | <=30 | Pass |
|                                  |                 |               |        |                       | 38         | 21.10      | -4.00 | 17.10   | <=30 | Pass |
|                                  | 74              |               |        |                       | 20.21      | -4.00      | 16.21 | <=30    | Pass |      |
|                                  | 12              |               |        | 0                     | 21.52      | -4.00      | 17.52 | <=30    | Pass |      |
|                                  |                 |               |        | 31                    | 21.26      | -4.00      | 17.26 | <=30    | Pass |      |
|                                  |                 |               |        | 63                    | 21.33      | -4.00      | 17.33 | <=30    | Pass |      |
| 27                               | 0               |               |        | 20.74                 | -4.00      | 16.74      | <=30  | Pass    |      |      |
| 1732.5                           | 1               |               |        | 0                     | 21.39      | -4.00      | 17.39 | <=30    | Pass |      |
|                                  |                 |               |        | 38                    | 21.34      | -4.00      | 17.34 | <=30    | Pass |      |
|                                  |                 |               | 74     | 21.36                 | -4.00      | 17.36      | <=30  | Pass    |      |      |
|                                  | 12              |               | 0      | 21.00                 | -4.00      | 17.00      | <=30  | Pass    |      |      |
|                                  |                 |               | 31     | 21.45                 | -4.00      | 17.45      | <=30  | Pass    |      |      |
|                                  |                 |               | 63     | 21.33                 | -4.00      | 17.33      | <=30  | Pass    |      |      |
|                                  | 27              |               | 0      | 20.13                 | -4.00      | 16.13      | <=30  | Pass    |      |      |
|                                  | 1747.5          |               | 1      | 0                     | 21.41      | -4.00      | 17.41 | <=30    | Pass |      |
|                                  |                 |               |        | 38                    | 21.26      | -4.00      | 17.26 | <=30    | Pass |      |
| 74                               |                 |               |        | 20.23                 | -4.00      | 16.23      | <=30  | Pass    |      |      |
| 12                               |                 |               | 0      | 21.37                 | -4.00      | 17.37      | <=30  | Pass    |      |      |
|                                  |                 |               | 31     | 21.18                 | -4.00      | 17.18      | <=30  | Pass    |      |      |
|                                  |                 |               | 63     | 20.88                 | -4.00      | 16.88      | <=30  | Pass    |      |      |
| 27                               |                 |               | 48     | 20.00                 | -4.00      | 16.00      | <=30  | Pass    |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.6 B4\_20MHz\_EIRP

### 1.6.1 Test Result

| 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      | 22.44                 | -4.00      | 18.44      | <=30  | Pass    |      |      |
|                                  |                 |               | 50     | 22.29                 | -4.00      | 18.29      | <=30  | Pass    |      |      |
|                                  |                 |               | 99     | 22.31                 | -4.00      | 18.31      | <=30  | Pass    |      |      |
|                                  |                 | 50            | 0      | 21.64                 | -4.00      | 17.64      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 21.34                 | -4.00      | 17.34      | <=30  | Pass    |      |      |
|                                  |                 |               | 50     | 21.26                 | -4.00      | 17.26      | <=30  | Pass    |      |      |
|                                  |                 | 100           | 0      | 21.28                 | -4.00      | 17.28      | <=30  | Pass    |      |      |
|                                  |                 | 1732.5        | 1      | 0                     | 21.93      | -4.00      | 17.93 | <=30    | Pass |      |
|                                  |                 |               |        | 50                    | 22.39      | -4.00      | 18.39 | <=30    | Pass |      |
|                                  | 99              |               |        | 21.94                 | -4.00      | 17.94      | <=30  | Pass    |      |      |
|                                  | 50              |               | 0      | 21.00                 | -4.00      | 17.00      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 21.29                 | -4.00      | 17.29      | <=30  | Pass    |      |      |
|                                  |                 |               | 50     | 21.38                 | -4.00      | 17.38      | <=30  | Pass    |      |      |
|                                  | 100             |               | 0      | 21.16                 | -4.00      | 17.16      | <=30  | Pass    |      |      |
|                                  | 1745            |               | 1      | 0                     | 22.16      | -4.00      | 18.16 | <=30    | Pass |      |
|                                  |                 |               |        | 50                    | 22.34      | -4.00      | 18.34 | <=30    | Pass |      |
|                                  |                 | 99            |        | 22.08                 | -4.00      | 18.08      | <=30  | Pass    |      |      |
|                                  |                 | 50            | 0      | 21.10                 | -4.00      | 17.10      | <=30  | Pass    |      |      |
|                                  |                 |               | 25     | 21.38                 | -4.00      | 17.38      | <=30  | Pass    |      |      |
|                                  |                 |               | 50     | 21.05                 | -4.00      | 17.05      | <=30  | Pass    |      |      |
|                                  |                 | 100           | 0      | 21.13                 | -4.00      | 17.13      | <=30  | Pass    |      |      |
|                                  |                 | 16QAM         | 1720   | 1                     | 0          | 22.10      | -4.00 | 18.10   | <=30 | Pass |
|                                  |                 |               |        |                       | 50         | 21.81      | -4.00 | 17.81   | <=30 | Pass |
|                                  | 99              |               |        |                       | 21.94      | -4.00      | 17.94 | <=30    | Pass |      |
| 12                               | 0               |               |        | 21.30                 | -4.00      | 17.30      | <=30  | Pass    |      |      |
|                                  | 44              |               |        | 21.05                 | -4.00      | 17.05      | <=30  | Pass    |      |      |
|                                  | 88              |               |        | 21.17                 | -4.00      | 17.17      | <=30  | Pass    |      |      |
| 27                               | 0               |               |        | 20.49                 | -4.00      | 16.49      | <=30  | Pass    |      |      |
| 1732.5                           | 1               |               |        | 0                     | 21.81      | -4.00      | 17.81 | <=30    | Pass |      |
|                                  |                 |               |        | 50                    | 22.19      | -4.00      | 18.19 | <=30    | Pass |      |
|                                  |                 |               | 99     | 21.88                 | -4.00      | 17.88      | <=30  | Pass    |      |      |
|                                  | 12              |               | 0      | 20.76                 | -4.00      | 16.76      | <=30  | Pass    |      |      |
|                                  |                 |               | 44     | 21.24                 | -4.00      | 17.24      | <=30  | Pass    |      |      |
|                                  |                 |               | 88     | 21.09                 | -4.00      | 17.09      | <=30  | Pass    |      |      |
|                                  | 27              |               | 0      | 20.01                 | -4.00      | 16.01      | <=30  | Pass    |      |      |
|                                  | 1745            |               | 1      | 0                     | 22.02      | -4.00      | 18.02 | <=30    | Pass |      |
|                                  |                 |               |        | 50                    | 22.08      | -4.00      | 18.08 | <=30    | Pass |      |
| 99                               |                 |               |        | 21.86                 | -4.00      | 17.86      | <=30  | Pass    |      |      |
| 12                               |                 |               | 0      | 21.42                 | -4.00      | 17.42      | <=30  | Pass    |      |      |
|                                  |                 |               | 44     | 21.27                 | -4.00      | 17.27      | <=30  | Pass    |      |      |
|                                  |                 |               | 88     | 20.70                 | -4.00      | 16.70      | <=30  | Pass    |      |      |
| 27                               |                 |               | 73     | 19.98                 | -4.00      | 15.98      | <=30  | Pass    |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 B4\_1.4MHz

#### 2.1.1 Test Result

| Band: 4 / Bandwidth: 1.4MHz |                 |               |         |             |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |         | Temp. (°C)  | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset  |             |               |                  | Result                | Limit       |         |
| QPSK                        | 1710.7          | 6             | 0       | 20          | 3.27          | 1.888            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 3.85          | 2.475            | 0.0014                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 4.43          | 2.360            | 0.0014                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -30         | 3.85          | 1.831            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -20         | 3.85          | 0.601            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -10         | 3.85          | 3.576            | 0.0021                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 0           | 3.85          | 1.159            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 10          | 3.85          | 1.431            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 30          | 3.85          | 0.286            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 40          | 3.85          | 1.588            | 0.0009                | -2.5 to 2.5 | Pass    |
|                             | 50              | 3.85          | 2.861   | 0.0017      | -2.5 to 2.5   | Pass             |                       |             |         |
|                             | 1732.5          | 6             | 0       | 20          | 3.27          | 0.486            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 3.85          | -0.801           | -0.0005               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 4.43          | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -30         | 3.85          | 0.443            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -20         | 3.85          | 0.687            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -10         | 3.85          | -0.772           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 0           | 3.85          | 0.930            | 0.0005                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 10          | 3.85          | 0.014            | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 30          | 3.85          | 1.388            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 40          | 3.85          | 0.143            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             | 50              | 3.85          | 0.787   | 0.0005      | -2.5 to 2.5   | Pass             |                       |             |         |
|                             | 1754.3          | 6             | 0       | 20          | 3.27          | -2.117           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 3.85          | -2.861           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 4.43          | -2.818           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -30         | 3.85          | -3.018           | -0.0017               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -20         | 3.85          | -2.346           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -10         | 3.85          | -3.090           | -0.0018               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 0           | 3.85          | -3.505           | -0.0020               | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 10          | 3.85          | -2.317           | -0.0013               | -2.5 to 2.5 | Pass    |
| 30                          |                 |               |         | 3.85        | -1.287        | -0.0007          | -2.5 to 2.5           | Pass        |         |
| 40                          |                 |               |         | 3.85        | -2.446        | -0.0014          | -2.5 to 2.5           | Pass        |         |
| 50                          | 3.85            | -4.721        | -0.0027 | -2.5 to 2.5 | Pass          |                  |                       |             |         |
| 16QAM                       | 1710.7          | 6             | 0       | 20          | 3.27          | 1.917            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 3.85          | 4.191            | 0.0024                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         |             | 4.43          | 2.747            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -30         | 3.85          | 3.133            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -20         | 3.85          | 2.460            | 0.0014                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | -10         | 3.85          | 2.961            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 0           | 3.85          | 2.217            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 10          | 3.85          | 2.503            | 0.0015                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 30          | 3.85          | 3.376            | 0.0020                | -2.5 to 2.5 | Pass    |
|                             |                 |               |         | 40          | 3.85          | 4.177            | 0.0024                | -2.5 to 2.5 | Pass    |
| 50                          | 3.85            | 2.589         | 0.0015  | -2.5 to 2.5 | Pass          |                  |                       |             |         |

|    |        |        |         |             |             |        |         |             |             |             |
|----|--------|--------|---------|-------------|-------------|--------|---------|-------------|-------------|-------------|
|    | 1732.5 | 6      | 0       | 20          | 3.27        | 0.100  | 0.0001  | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | 3.85        | 1.159  | 0.0007  | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | 4.43        | 0.701  | 0.0004  | -2.5 to 2.5 | Pass        |             |
|    |        |        |         | -30         | 3.85        | -0.415 | -0.0002 | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | -20         | 3.85   | 0.973   | 0.0006      | -2.5 to 2.5 | Pass        |
|    |        |        |         |             |             | -10    | 3.85    | -0.443      | -0.0003     | -2.5 to 2.5 |
|    |        |        |         | 0           | 3.85        | 0.715  | 0.0004  | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | 10          | 3.85   | 0.458   | 0.0003      | -2.5 to 2.5 | Pass        |
|    |        |        |         |             | 30          | 3.85   | -0.215  | -0.0001     | -2.5 to 2.5 | Pass        |
|    | 1754.3 | 6      | 0       | 20          | 3.27        | -3.262 | -0.0019 | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | 3.85        | -4.263 | -0.0024 | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | 4.43        | -3.233 | -0.0018 | -2.5 to 2.5 | Pass        |             |
|    |        |        |         | -30         | 3.85        | -4.134 | -0.0024 | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | -20         | 3.85   | -3.147  | -0.0018     | -2.5 to 2.5 | Pass        |
|    |        |        |         |             |             | -10    | 3.85    | -3.448      | -0.0020     | -2.5 to 2.5 |
|    |        |        |         | 0           | 3.85        | -3.290 | -0.0019 | -2.5 to 2.5 | Pass        |             |
|    |        |        |         |             | 10          | 3.85   | -2.532  | -0.0014     | -2.5 to 2.5 | Pass        |
|    |        |        |         |             | 30          | 3.85   | -2.875  | -0.0016     | -2.5 to 2.5 | Pass        |
| 40 | 3.85   | -2.489 | -0.0014 | -2.5 to 2.5 | Pass        |        |         |             |             |             |
|    | 50     | 3.85   | -4.020  | -0.0023     | -2.5 to 2.5 | Pass   |         |             |             |             |
|    |        | 3.85   | -4.020  | -0.0023     | -2.5 to 2.5 | Pass   |         |             |             |             |

## 2.2 B4\_3MHz

### 2.2.1 Test Result

| Band: 4 / Bandwidth: 3MHz |                 |               |             |             |               |                  |                       |             |             |             |
|---------------------------|-----------------|---------------|-------------|-------------|---------------|------------------|-----------------------|-------------|-------------|-------------|
| Modulation                | Frequency (MHz) | RB Allocation |             | Temp. (°C)  | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict     |             |
|                           |                 | Size          | Offset      |             |               |                  | Result                | Limit       |             |             |
| QPSK                      | 1711.5          | 15            | 0           | 20          | 3.27          | 0.601            | 0.0004                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | 3.85          | 0.844            | 0.0005                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | 4.43          | 1.001            | 0.0006                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             | -30         | 3.85          | 1.760            | 0.0010                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | -20           | 3.85             | 1.302                 | 0.0008      | -2.5 to 2.5 | Pass        |
|                           |                 |               |             |             |               | -10              | 3.85                  | 0.873       | 0.0005      | -2.5 to 2.5 |
|                           |                 |               |             | 0           | 3.85          | 1.202            | 0.0007                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | 10            | 3.85             | 0.587                 | 0.0003      | -2.5 to 2.5 | Pass        |
|                           |                 |               |             |             | 30            | 3.85             | 1.073                 | 0.0006      | -2.5 to 2.5 | Pass        |
|                           | 1732.5          | 15            | 0           | 20          | 3.85          | 0.701            | 0.0004                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | 3.85          | 1.516            | 0.0009                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | 3.27          | 0.429            | 0.0002                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             | -30         | 3.85          | 2.131            | 0.0012                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | -20           | 3.85             | 1.259                 | 0.0007      | -2.5 to 2.5 | Pass        |
|                           |                 |               |             |             |               | -10              | 3.85                  | -0.672      | -0.0004     | -2.5 to 2.5 |
|                           |                 |               |             | 0           | 3.85          | 0.930            | 0.0005                | -2.5 to 2.5 | Pass        |             |
|                           |                 |               |             |             | 10            | 3.85             | 0.315                 | 0.0002      | -2.5 to 2.5 | Pass        |
|                           |                 |               |             |             | 30            | 3.85             | 0.715                 | 0.0004      | -2.5 to 2.5 | Pass        |
| 40                        | 3.85            | -0.257        | -0.0001     | -2.5 to 2.5 | Pass          |                  |                       |             |             |             |
|                           | 50              | 3.85          | 0.172       | 0.0001      | -2.5 to 2.5   | Pass             |                       |             |             |             |
|                           |                 | 3.85          | 0.057       | 0.0000      | -2.5 to 2.5   | Pass             |                       |             |             |             |
| 3.85                      | 1.416           | 0.0008        | -2.5 to 2.5 | Pass        |               |                  |                       |             |             |             |



|       |        |        |         |             |             |        |         |             |       |        |             |             |      |
|-------|--------|--------|---------|-------------|-------------|--------|---------|-------------|-------|--------|-------------|-------------|------|
|       | 1753.5 | 15     | 0       | 20          | 3.27        | -0.086 | 0.0000  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 3.85        | 0.086  | 0.0000  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 4.43        | 0.157  | 0.0001  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             |             |        |         | -30         | 3.85  | -0.014 | 0.0000      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -20         | 3.85  | 1.173  | 0.0007      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -10         | 3.85  | 1.173  | 0.0007      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 0           | 3.85  | 0.587  | 0.0003      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 10          | 3.85  | 0.558  | 0.0003      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 30          | 3.85  | 1.588  | 0.0009      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 40          | 3.85  | 1.674  | 0.0010      | -2.5 to 2.5 | Pass |
| 50    | 3.85   | 0.958  | 0.0005  | -2.5 to 2.5 | Pass        |        |         |             |       |        |             |             |      |
| 16QAM | 1711.5 | 15     | 0       | 20          | 3.27        | 1.001  | 0.0006  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 3.85        | 0.830  | 0.0005  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 4.43        | -0.086 | -0.0001 | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             |             |        |         | -30         | 3.85  | -0.100 | -0.0001     | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -20         | 3.85  | 0.358  | 0.0002      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -10         | 3.85  | 1.574  | 0.0009      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 0           | 3.85  | -0.329 | -0.0002     | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 10          | 3.85  | 1.159  | 0.0007      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 30          | 3.85  | 0.858  | 0.0005      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 40          | 3.85  | 1.402  | 0.0008      | -2.5 to 2.5 | Pass |
|       | 50     | 3.85   | 0.243   | 0.0001      | -2.5 to 2.5 | Pass   |         |             |       |        |             |             |      |
|       | 1732.5 | 15     | 0       | 20          | 3.27        | 0.715  | 0.0004  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 3.85        | 1.788  | 0.0010  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 4.43        | 0.801  | 0.0005  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             |             |        |         | -30         | 3.85  | 0.086  | 0.0000      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -20         | 3.85  | 0.715  | 0.0004      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -10         | 3.85  | 2.203  | 0.0013      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 0           | 3.85  | 1.216  | 0.0007      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 10          | 3.85  | 0.014  | 0.0000      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 30          | 3.85  | 1.760  | 0.0010      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 40          | 3.85  | 1.030  | 0.0006      | -2.5 to 2.5 | Pass |
|       | 50     | 3.85   | -0.143  | -0.0001     | -2.5 to 2.5 | Pass   |         |             |       |        |             |             |      |
|       | 1753.5 | 15     | 0       | 20          | 3.27        | 0.200  | 0.0001  | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 3.85        | -0.272 | -0.0002 | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             | 4.43        | -0.472 | -0.0003 | -2.5 to 2.5 | Pass  |        |             |             |      |
|       |        |        |         |             |             |        |         | -30         | 3.85  | -0.429 | -0.0002     | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -20         | 3.85  | 0.958  | 0.0005      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | -10         | 3.85  | 1.817  | 0.0010      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 0           | 3.85  | 1.674  | 0.0010      | -2.5 to 2.5 | Pass |
|       |        |        |         |             |             |        |         | 10          | 3.85  | 1.230  | 0.0007      | -2.5 to 2.5 | Pass |
| 30    |        |        |         |             |             |        |         | 3.85        | 0.172 | 0.0001 | -2.5 to 2.5 | Pass        |      |
| 40    |        |        |         |             |             |        |         | 3.85        | 0.286 | 0.0002 | -2.5 to 2.5 | Pass        |      |
| 50    | 3.85   | -0.715 | -0.0004 | -2.5 to 2.5 | Pass        |        |         |             |       |        |             |             |      |

## 2.3 B4\_5MHz

### 2.3.1 Test Result

| Band: 4 / Bandwidth: 5MHz |                 |               |         |             |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |         | Temp. (°C)  | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset  |             |               |                  | Result                | Limit       |         |
| QPSK                      | 1712.5          | 25            | 0       | 20          | 3.27          | 2.217            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 3.85          | 1.917            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 4.43          | 2.117            | 0.0012                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -30         | 3.85          | 2.275            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -20         | 3.85          | 2.375            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -10         | 3.85          | 1.416            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 0           | 3.85          | 1.459            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 10          | 3.85          | 2.074            | 0.0012                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 30          | 3.85          | 2.389            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 40          | 3.85          | 0.286            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           | 50              | 3.85          | 2.131   | 0.0012      | -2.5 to 2.5   | Pass             |                       |             |         |
|                           | 1732.5          | 25            | 0       | 20          | 3.27          | 1.688            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 3.85          | 1.502            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 4.43          | 1.488            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -30         | 3.85          | 0.086            | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -20         | 3.85          | 1.459            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -10         | 3.85          | 0.243            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 0           | 3.85          | 2.718            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 10          | 3.85          | 0.257            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 30          | 3.85          | 1.645            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 40          | 3.85          | 1.345            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           | 50              | 3.85          | 1.302   | 0.0008      | -2.5 to 2.5   | Pass             |                       |             |         |
|                           | 1752.5          | 25            | 0       | 20          | 3.27          | -2.618           | -0.0015               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 3.85          | -3.161           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 4.43          | -1.731           | -0.0010               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -30         | 3.85          | -1.817           | -0.0010               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -20         | 3.85          | -2.446           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -10         | 3.85          | -1.645           | -0.0009               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 0           | 3.85          | -1.631           | -0.0009               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 10          | 3.85          | -2.732           | -0.0016               | -2.5 to 2.5 | Pass    |
| 30                        |                 |               |         | 3.85        | -1.359        | -0.0008          | -2.5 to 2.5           | Pass        |         |
| 40                        |                 |               |         | 3.85        | -1.059        | -0.0006          | -2.5 to 2.5           | Pass        |         |
| 50                        | 3.85            | -1.373        | -0.0008 | -2.5 to 2.5 | Pass          |                  |                       |             |         |
| 16QAM                     | 1712.5          | 25            | 0       | 20          | 3.27          | 2.604            | 0.0015                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 3.85          | 0.730            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 4.43          | 1.788            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -30         | 3.85          | 2.360            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -20         | 3.85          | 2.460            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | -10         | 3.85          | 2.818            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 0           | 3.85          | 2.575            | 0.0015                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 10          | 3.85          | 2.446            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 30          | 3.85          | 1.874            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           |                 |               |         | 40          | 3.85          | 1.101            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           | 50              | 3.85          | 1.860   | 0.0011      | -2.5 to 2.5   | Pass             |                       |             |         |
|                           | 1732.5          | 25            | 0       | 20          | 3.27          | -0.486           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |         |             | 3.85          | 1.230            | 0.0007                | -2.5 to 2.5 | Pass    |
| 4.43                      |                 |               |         |             | 1.087         | 0.0006           | -2.5 to 2.5           | Pass        |         |

|  |      |        |         |         |             |       |         |             |        |
|--|------|--------|---------|---------|-------------|-------|---------|-------------|--------|
|  |      |        |         | -30     | 3.85        | 1.087 | 0.0006  | -2.5 to 2.5 | Pass   |
|  |      |        |         | -20     | 3.85        | 1.488 | 0.0009  | -2.5 to 2.5 | Pass   |
|  |      |        |         | -10     | 3.85        | 1.459 | 0.0008  | -2.5 to 2.5 | Pass   |
|  |      |        |         | 0       | 3.85        | 1.616 | 0.0009  | -2.5 to 2.5 | Pass   |
|  |      |        |         | 10      | 3.85        | 1.516 | 0.0009  | -2.5 to 2.5 | Pass   |
|  |      |        |         | 30      | 3.85        | 0.343 | 0.0002  | -2.5 to 2.5 | Pass   |
|  |      |        |         | 40      | 3.85        | 0.472 | 0.0003  | -2.5 to 2.5 | Pass   |
|  |      |        |         | 50      | 3.85        | 0.730 | 0.0004  | -2.5 to 2.5 | Pass   |
|  |      |        |         | 1752.5  | 25          | 0     | 20      | 3.27        | -2.360 |
|  | 3.85 | -2.961 | -0.0017 |         |             |       |         | -2.5 to 2.5 | Pass   |
|  | 4.43 | -1.073 | -0.0006 |         |             |       |         | -2.5 to 2.5 | Pass   |
|  | -30  | 3.85   | -1.144  |         |             |       | -0.0007 | -2.5 to 2.5 | Pass   |
|  | -20  | 3.85   | -1.602  |         |             |       | -0.0009 | -2.5 to 2.5 | Pass   |
|  | -10  | 3.85   | -2.174  |         |             |       | -0.0012 | -2.5 to 2.5 | Pass   |
|  | 0    | 3.85   | -2.074  |         |             |       | -0.0012 | -2.5 to 2.5 | Pass   |
|  | 10   | 3.85   | -2.704  |         |             |       | -0.0015 | -2.5 to 2.5 | Pass   |
|  | 30   | 3.85   | -2.518  |         |             |       | -0.0014 | -2.5 to 2.5 | Pass   |
|  | 40   | 3.85   | -3.247  |         |             |       | -0.0019 | -2.5 to 2.5 | Pass   |
|  | 50   | 3.85   | -1.259  | -0.0007 | -2.5 to 2.5 | Pass  |         |             |        |

## 2.4 B4\_10MHz

### 2.4.1 Test Result

| 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                       | 1715            | 50            | 0      | 20         | 3.27          | -3.262           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.018           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.559           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.817           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.462           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.133           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -2.403           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.418           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -2.604           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.589           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            | 50              | 3.85          | -2.775 | -0.0016    | -2.5 to 2.5   | Pass             |                       |             |         |
|                            | 1732.5          | 50            | 0      | 20         | 3.27          | -0.272           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 0.730            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.286            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 0.486            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.014           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.358            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -0.687           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -1.173           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.515           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -0.157           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            | 50              | 3.85          | -0.243 | -0.0001    | -2.5 to 2.5   | Pass             |                       |             |         |
|                            | 1750            | 50            | 0      | 20         | 3.27          | 0.873            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.574            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.030            | 0.0006                | -2.5 to 2.5 | Pass    |

|       |        |       |        |             |             |        |             |             |             |             |
|-------|--------|-------|--------|-------------|-------------|--------|-------------|-------------|-------------|-------------|
|       |        |       |        | -30         | 3.85        | 1.230  | 0.0007      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | -20         | 3.85        | 1.774  | 0.0010      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | -10         | 3.85        | 0.615  | 0.0004      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 0           | 3.85        | 0.930  | 0.0005      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 10          | 3.85        | 1.588  | 0.0009      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 30          | 3.85        | 2.031  | 0.0012      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 40          | 3.85        | 2.789  | 0.0016      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 50          | 3.85        | 1.030  | 0.0006      | -2.5 to 2.5 | Pass        |             |
| 16QAM | 1715   | 27    | 0      | 20          | 3.27        | -3.905 | -0.0023     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | 3.85        | -4.048 | -0.0024     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | 4.43        | -2.489 | -0.0015     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | -30         | 3.85        | -3.948 | -0.0023     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | -20         | 3.85   | -2.604      | -0.0015     | -2.5 to 2.5 | Pass        |
|       |        |       |        |             |             | -10    | 3.85        | -3.848      | -0.0022     | -2.5 to 2.5 |
|       |        |       |        | 0           | 3.85        | -3.533 | -0.0021     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 10          | 3.85        | -3.319 | -0.0019     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 30          | 3.85        | -2.933 | -0.0017     | -2.5 to 2.5 | Pass        |             |
|       | 40     | 3.85  | -2.961 | -0.0017     | -2.5 to 2.5 | Pass   |             |             |             |             |
|       | 50     | 3.85  | -4.249 | -0.0025     | -2.5 to 2.5 | Pass   |             |             |             |             |
|       | 1732.5 | 27    | 0      | 20          | 3.27        | -0.429 | -0.0002     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | 3.85        | -0.958 | -0.0006     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | 4.43        | -1.016 | -0.0006     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | -30         | 3.85        | 1.659  | 0.0010      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | -20         | 3.85   | 1.788       | 0.0010      | -2.5 to 2.5 | Pass        |
|       |        |       |        |             |             | -10    | 3.85        | -0.129      | -0.0001     | -2.5 to 2.5 |
|       |        |       |        | 0           | 3.85        | 0.300  | 0.0002      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 10          | 3.85        | -0.887 | -0.0005     | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | 30          | 3.85        | 0.186  | 0.0001      | -2.5 to 2.5 | Pass        |             |
|       | 40     | 3.85  | -0.157 | -0.0001     | -2.5 to 2.5 | Pass   |             |             |             |             |
|       | 50     | 3.85  | -0.687 | -0.0004     | -2.5 to 2.5 | Pass   |             |             |             |             |
|       | 1750   | 27    | 23     | 20          | 3.27        | 1.559  | 0.0009      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | 3.85        | 0.458  | 0.0003      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | 4.43        | 0.443  | 0.0003      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        | -30         | 3.85        | 1.674  | 0.0010      | -2.5 to 2.5 | Pass        |             |
|       |        |       |        |             | -20         | 3.85   | 0.744       | 0.0004      | -2.5 to 2.5 | Pass        |
| -10   |        |       |        |             |             | 3.85   | 1.645       | 0.0009      | -2.5 to 2.5 | Pass        |
| 0     |        |       |        | 3.85        | 1.802       | 0.0010 | -2.5 to 2.5 | Pass        |             |             |
| 10    |        |       |        | 3.85        | 1.259       | 0.0007 | -2.5 to 2.5 | Pass        |             |             |
| 30    |        |       |        | 3.85        | 1.431       | 0.0008 | -2.5 to 2.5 | Pass        |             |             |
| 40    | 3.85   | 1.516 | 0.0009 | -2.5 to 2.5 | Pass        |        |             |             |             |             |
| 50    | 3.85   | 2.332 | 0.0013 | -2.5 to 2.5 | Pass        |        |             |             |             |             |

## 2.5 B4\_15MHz

### 2.5.1 Test Result

| Band: 4 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1717.5          | 75            | 0      | 20         | 3.27          | -0.629           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 0.815            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.772            | 0.0004                | -2.5 to 2.5 | Pass    |

|       |        |        |         |        |        |         |             |             |        |
|-------|--------|--------|---------|--------|--------|---------|-------------|-------------|--------|
|       |        |        |         | -30    | 3.85   | -0.057  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | -20    | 3.85   | -0.072  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | -10    | 3.85   | -1.030  | -0.0006     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 0      | 3.85   | -0.157  | -0.0001     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 10     | 3.85   | -1.001  | -0.0006     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 30     | 3.85   | -0.129  | -0.0001     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 40     | 3.85   | -0.257  | -0.0001     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 50     | 3.85   | -0.587  | -0.0003     | -2.5 to 2.5 | Pass   |
|       | 1732.5 | 75     | 0       | 20     | 3.27   | 0.043   | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         |        | 3.85   | -0.529  | -0.0003     | -2.5 to 2.5 | Pass   |
|       |        |        |         |        | 4.43   | -0.086  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | -30    | 3.85   | -0.515  | -0.0003     | -2.5 to 2.5 | Pass   |
|       |        |        |         | -20    | 3.85   | 0.286   | 0.0002      | -2.5 to 2.5 | Pass   |
|       |        |        |         | -10    | 3.85   | -0.043  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 0      | 3.85   | -0.730  | -0.0004     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 10     | 3.85   | 0.057   | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 30     | 3.85   | -0.029  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 40     | 3.85   | -0.100  | -0.0001     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 50     | 3.85   | -0.629  | -0.0004     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 1747.5 | 75     | 0       | 20          | 3.27        | -0.100 |
|       | 3.85   | 0.072  | 0.0000  |        |        |         |             | -2.5 to 2.5 | Pass   |
|       | 4.43   | 0.358  | 0.0002  |        |        |         |             | -2.5 to 2.5 | Pass   |
|       | -30    | 3.85   | -0.315  |        |        |         | -0.0002     | -2.5 to 2.5 | Pass   |
|       | -20    | 3.85   | 0.000   |        |        |         | 0.0000      | -2.5 to 2.5 | Pass   |
|       | -10    | 3.85   | 0.272   |        |        |         | 0.0002      | -2.5 to 2.5 | Pass   |
|       | 0      | 3.85   | -0.558  |        |        |         | -0.0003     | -2.5 to 2.5 | Pass   |
|       | 10     | 3.85   | 0.372   |        |        |         | 0.0002      | -2.5 to 2.5 | Pass   |
|       | 30     | 3.85   | -0.200  |        |        |         | -0.0001     | -2.5 to 2.5 | Pass   |
| 40    | 3.85   | -0.057 | 0.0000  |        |        |         | -2.5 to 2.5 | Pass        |        |
| 50    | 3.85   | -0.343 | -0.0002 |        |        |         | -2.5 to 2.5 | Pass        |        |
| 16QAM | 1717.5 | 27     | 0       |        |        |         | 20          | 3.27        | -0.415 |
|       |        |        |         | 3.85   | 0.000  | 0.0000  |             | -2.5 to 2.5 | Pass   |
|       |        |        |         | 4.43   | -0.715 | -0.0004 |             | -2.5 to 2.5 | Pass   |
|       |        |        |         | -30    | 3.85   | 0.000   | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | -20    | 3.85   | -0.043  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | -10    | 3.85   | -0.014  | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 0      | 3.85   | 0.257   | 0.0001      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 10     | 3.85   | 0.014   | 0.0000      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 30     | 3.85   | -0.772  | -0.0004     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 40     | 3.85   | -0.300  | -0.0002     | -2.5 to 2.5 | Pass   |
|       |        |        |         | 50     | 3.85   | 0.200   | 0.0001      | -2.5 to 2.5 | Pass   |
|       |        |        |         | 1732.5 | 27     | 0       | 20          | 3.27        | -0.286 |
|       | 3.85   | -0.587 | -0.0003 |        |        |         |             | -2.5 to 2.5 | Pass   |
|       | 4.43   | 0.415  | 0.0002  |        |        |         |             | -2.5 to 2.5 | Pass   |
|       | -30    | 3.85   | -0.029  |        |        |         | 0.0000      | -2.5 to 2.5 | Pass   |
|       | -20    | 3.85   | 0.343   |        |        |         | 0.0002      | -2.5 to 2.5 | Pass   |
|       | -10    | 3.85   | -0.072  |        |        |         | 0.0000      | -2.5 to 2.5 | Pass   |
|       | 0      | 3.85   | -0.172  |        |        |         | -0.0001     | -2.5 to 2.5 | Pass   |
|       | 10     | 3.85   | 0.415   |        |        |         | 0.0002      | -2.5 to 2.5 | Pass   |
|       | 30     | 3.85   | 0.000   |        |        |         | 0.0000      | -2.5 to 2.5 | Pass   |
|       | 40     | 3.85   | 0.029   |        |        |         | 0.0000      | -2.5 to 2.5 | Pass   |
|       | 50     | 3.85   | -0.472  |        |        |         | -0.0003     | -2.5 to 2.5 | Pass   |
|       | 1747.5 | 27     | 48      |        |        |         | 20          | 3.27        | 0.200  |
|       |        |        |         | 3.85   | -0.100 | -0.0001 |             | -2.5 to 2.5 | Pass   |
|       |        |        |         | 4.43   | -0.615 | -0.0004 |             | -2.5 to 2.5 | Pass   |

|  |  |  |  |     |      |        |         |             |      |
|--|--|--|--|-----|------|--------|---------|-------------|------|
|  |  |  |  | -30 | 3.85 | 0.515  | 0.0003  | -2.5 to 2.5 | Pass |
|  |  |  |  | -20 | 3.85 | 0.415  | 0.0002  | -2.5 to 2.5 | Pass |
|  |  |  |  | -10 | 3.85 | 0.443  | 0.0003  | -2.5 to 2.5 | Pass |
|  |  |  |  | 0   | 3.85 | -0.086 | 0.0000  | -2.5 to 2.5 | Pass |
|  |  |  |  | 10  | 3.85 | 0.229  | 0.0001  | -2.5 to 2.5 | Pass |
|  |  |  |  | 30  | 3.85 | 0.558  | 0.0003  | -2.5 to 2.5 | Pass |
|  |  |  |  | 40  | 3.85 | -0.458 | -0.0003 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50  | 3.85 | 0.300  | 0.0002  | -2.5 to 2.5 | Pass |

## 2.6 B4\_20MHz

### 2.6.1 Test Result

| Band: 4 / Bandwidth: 20MHz |                 |               |         |             |               |                  |                       |             |             |             |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|-------------|-------------|
| Modulation                 | Frequency (MHz) | RB Allocation |         | Temp. (°C)  | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict     |             |
|                            |                 | Size          | Offset  |             |               |                  | Result                | Limit       |             |             |
| QPSK                       | 1720            | 100           | 0       | 20          | 3.27          | 1.531            | 0.0009                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 3.85          | 1.044            | 0.0006                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 4.43          | 1.831            | 0.0011                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         | -30         | 3.85          | 1.345            | 0.0008                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | -20           | 3.85             | 2.403                 | 0.0014      | -2.5 to 2.5 | Pass        |
|                            |                 |               |         |             |               | -10              | 3.85                  | 1.173       | 0.0007      | -2.5 to 2.5 |
|                            |                 |               |         | 0           | 3.85          | 1.130            | 0.0007                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 10            | 3.85             | 0.572                 | 0.0003      | -2.5 to 2.5 | Pass        |
|                            |                 |               |         | 30          | 3.85          | 1.802            | 0.0010                | -2.5 to 2.5 | Pass        |             |
|                            | 40              | 3.85          | 0.243   | 0.0001      | -2.5 to 2.5   | Pass             |                       |             |             |             |
|                            | 50              | 3.85          | 2.489   | 0.0014      | -2.5 to 2.5   | Pass             |                       |             |             |             |
|                            | 1732.5          | 100           | 0       | 20          | 3.27          | -0.329           | -0.0002               | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 3.85          | 0.086            | 0.0000                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 4.43          | -0.057           | 0.0000                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         | -30         | 3.85          | 0.443            | 0.0003                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | -20           | 3.85             | 0.172                 | 0.0001      | -2.5 to 2.5 | Pass        |
|                            |                 |               |         |             |               | -10              | 3.85                  | 0.272       | 0.0002      | -2.5 to 2.5 |
|                            |                 |               |         | 0           | 3.85          | 2.446            | 0.0014                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 10            | 3.85             | -0.429                | -0.0002     | -2.5 to 2.5 | Pass        |
|                            |                 |               |         | 30          | 3.85          | 0.615            | 0.0004                | -2.5 to 2.5 | Pass        |             |
|                            | 40              | 3.85          | 0.000   | 0.0000      | -2.5 to 2.5   | Pass             |                       |             |             |             |
|                            | 50              | 3.85          | -0.215  | -0.0001     | -2.5 to 2.5   | Pass             |                       |             |             |             |
|                            | 1745            | 100           | 0       | 20          | 3.27          | -2.918           | -0.0017               | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 3.85          | -3.061           | -0.0018               | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 4.43          | -2.947           | -0.0017               | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         | -30         | 3.85          | -3.519           | -0.0020               | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | -20           | 3.85             | -3.319                | -0.0019     | -2.5 to 2.5 | Pass        |
| -10                        |                 |               |         |             |               | 3.85             | -3.719                | -0.0021     | -2.5 to 2.5 | Pass        |
| 0                          |                 |               |         | 3.85        | -3.204        | -0.0018          | -2.5 to 2.5           | Pass        |             |             |
|                            |                 |               |         | 10          | 3.85          | -3.119           | -0.0018               | -2.5 to 2.5 | Pass        |             |
| 30                         |                 |               |         | 3.85        | -2.060        | -0.0012          | -2.5 to 2.5           | Pass        |             |             |
| 40                         | 3.85            | -3.519        | -0.0020 | -2.5 to 2.5 | Pass          |                  |                       |             |             |             |
| 50                         | 3.85            | -3.190        | -0.0018 | -2.5 to 2.5 | Pass          |                  |                       |             |             |             |
| 16QAM                      | 1720            | 27            | 0       | 20          | 3.27          | 1.674            | 0.0010                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 3.85          | 1.531            | 0.0009                | -2.5 to 2.5 | Pass        |             |
|                            |                 |               |         |             | 4.43          | 1.588            | 0.0009                | -2.5 to 2.5 | Pass        |             |

|  |        |    |   |      |      |        |         |             |        |         |             |        |
|--|--------|----|---|------|------|--------|---------|-------------|--------|---------|-------------|--------|
|  |        |    |   | -30  | 3.85 | 0.687  | 0.0004  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | -20  | 3.85 | 1.130  | 0.0007  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | -10  | 3.85 | 1.488  | 0.0009  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | 0    | 3.85 | 1.845  | 0.0011  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | 10   | 3.85 | 0.558  | 0.0003  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | 30   | 3.85 | 1.802  | 0.0010  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | 40   | 3.85 | 1.044  | 0.0006  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   | 50   | 3.85 | 1.616  | 0.0009  | -2.5 to 2.5 | Pass   |         |             |        |
|  | 1732.5 | 27 | 0 | 20   | 3.27 | -0.014 | 0.0000  | -2.5 to 2.5 | Pass   |         |             |        |
|  |        |    |   |      |      |        |         | 3.85        | 0.730  | 0.0004  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        |         | 4.43        | -0.100 | -0.0001 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | -30     | 3.85        | 0.229  | 0.0001  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | -20     | 3.85        | -0.086 | 0.0000  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | -10     | 3.85        | 0.629  | 0.0004  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 0       | 3.85        | 0.057  | 0.0000  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 10      | 3.85        | -0.086 | 0.0000  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 30      | 3.85        | -0.114 | -0.0001 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 40      | 3.85        | 0.772  | 0.0004  | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 50      | 3.85        | -0.029 | 0.0000  | -2.5 to 2.5 | Pass   |
|  |        |    |   | 1745 | 27   | 73     | 20      | 3.27        | -3.705 | -0.0021 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        |         |             |        |         | 3.85        | -3.433 |
|  |        |    |   |      |      |        |         | 4.43        | -2.818 | -0.0016 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | -30     | 3.85        | -3.347 | -0.0019 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | -20     | 3.85        | -3.247 | -0.0019 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | -10     | 3.85        | -3.347 | -0.0019 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 0       | 3.85        | -4.320 | -0.0025 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 10      | 3.85        | -2.918 | -0.0017 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 30      | 3.85        | -3.219 | -0.0018 | -2.5 to 2.5 | Pass   |
|  |        |    |   |      |      |        | 40      | 3.85        | -2.289 | -0.0013 | -2.5 to 2.5 | Pass   |
|  |        |    |   | 50   | 3.85 | -2.890 | -0.0017 | -2.5 to 2.5 | Pass   |         |             |        |

### 3. Modulation Characteristics

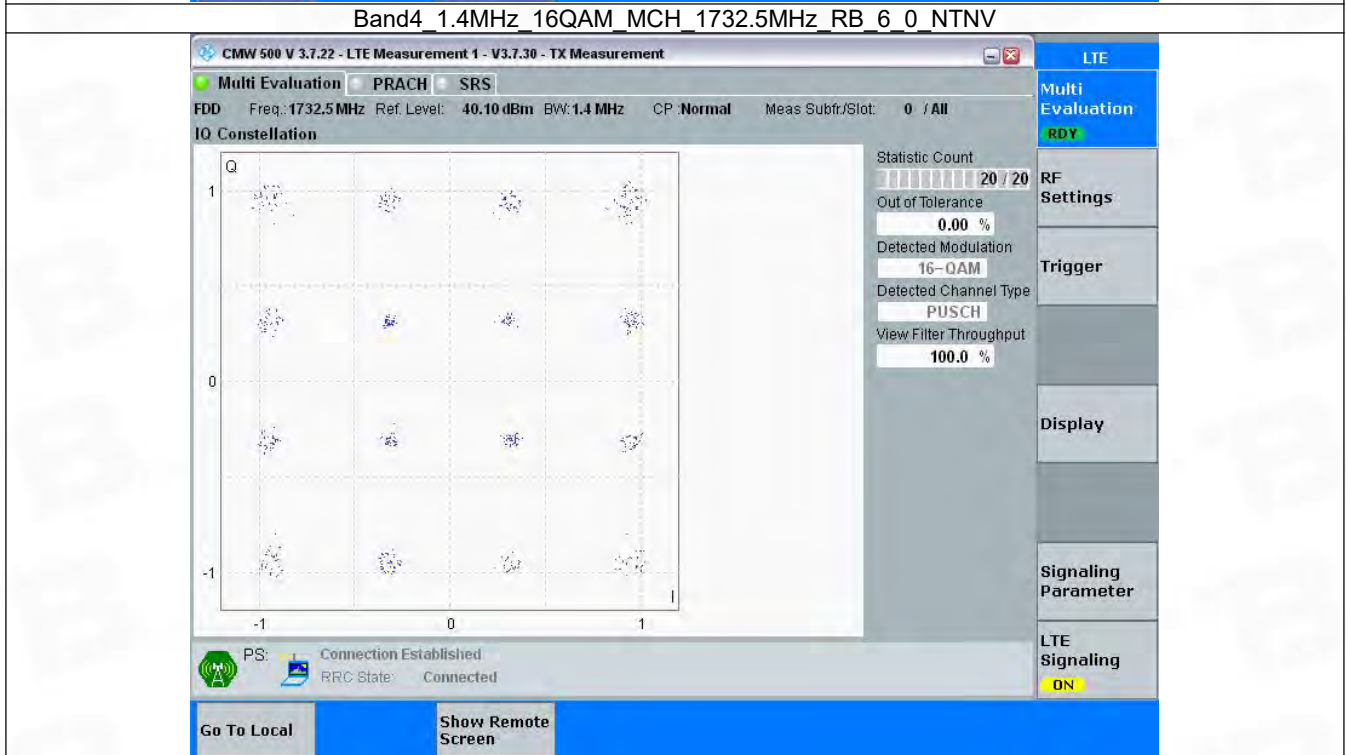
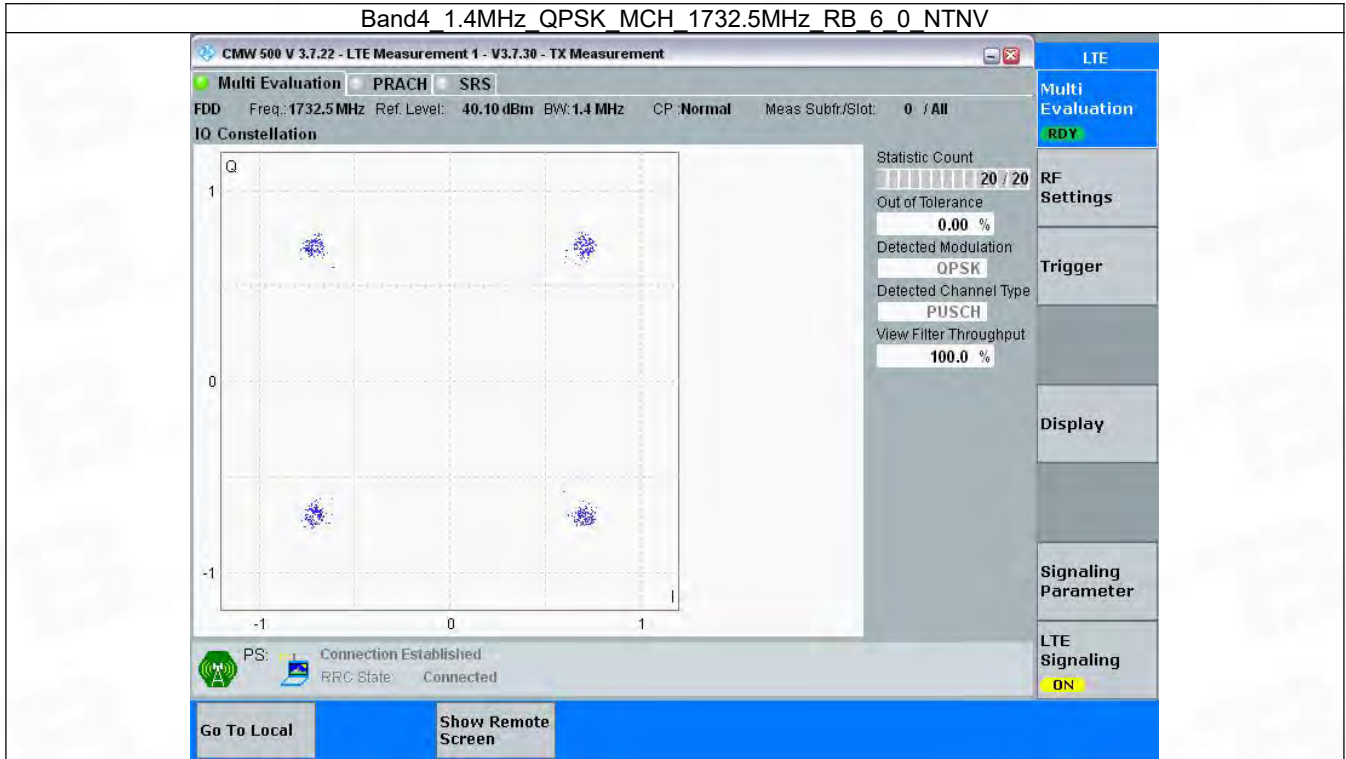
#### 3.1 B4\_1.4MHz

##### 3.1.1 Test Result

| Band: 4 / Bandwidth: 1.4MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1732.5          | 6             | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1732.5          | 6             | 0      | Refer To Test Graph        |       | Pass    |



### 3.1.2 Test Graph

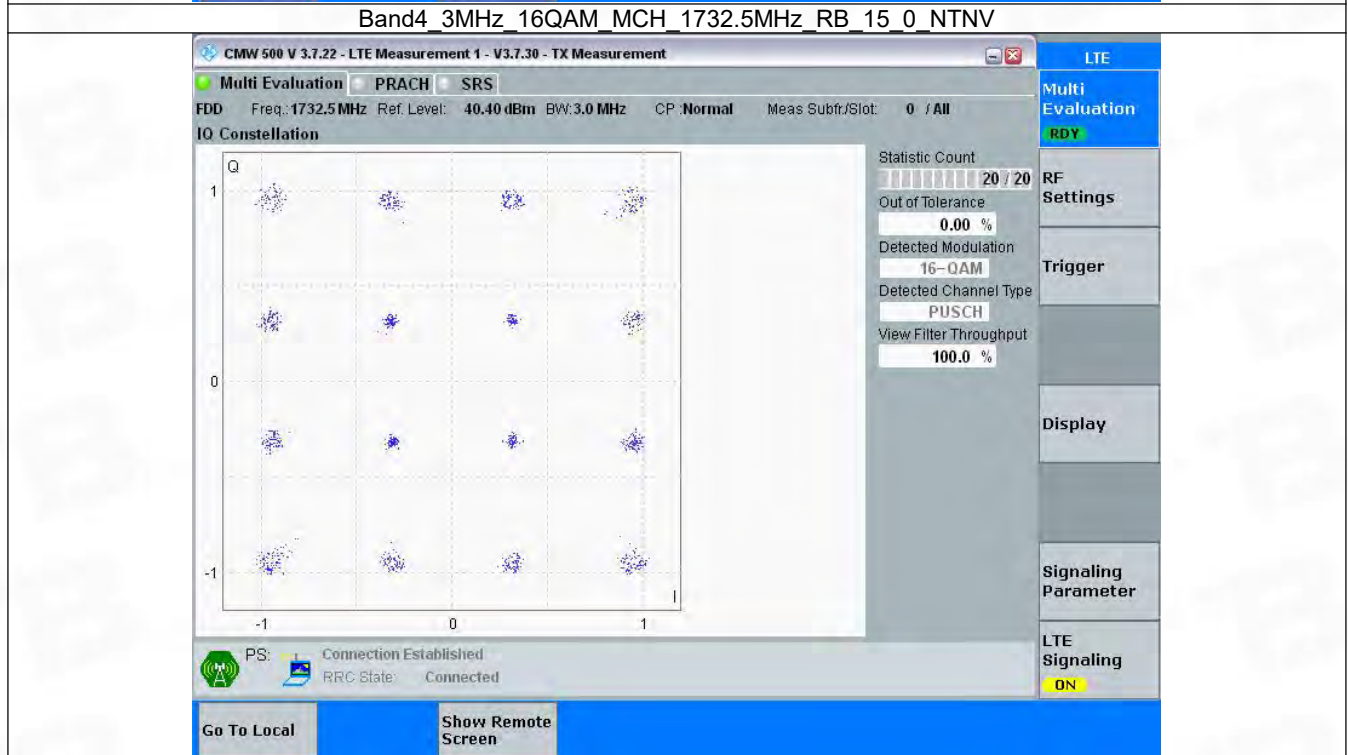
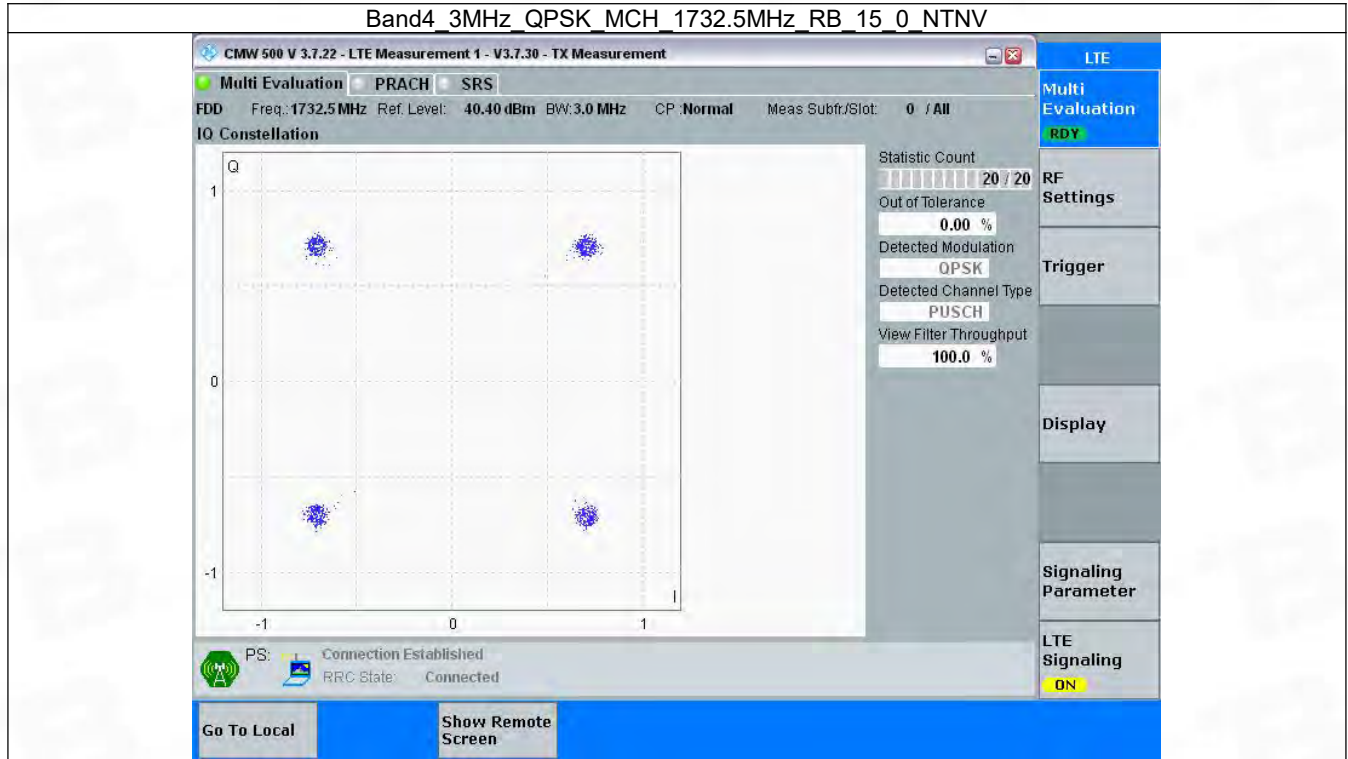


## 3.2 B4\_3MHz

### 3.2.1 Test Result

| Band: 4 / Bandwidth: 3MHz / NTV |                 |               |        |                            |       |         |
|---------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                 |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                            | 1732.5          | 15            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                           | 1732.5          | 15            | 0      | Refer To Test Graph        |       | Pass    |

### 3.2.2 Test Graph

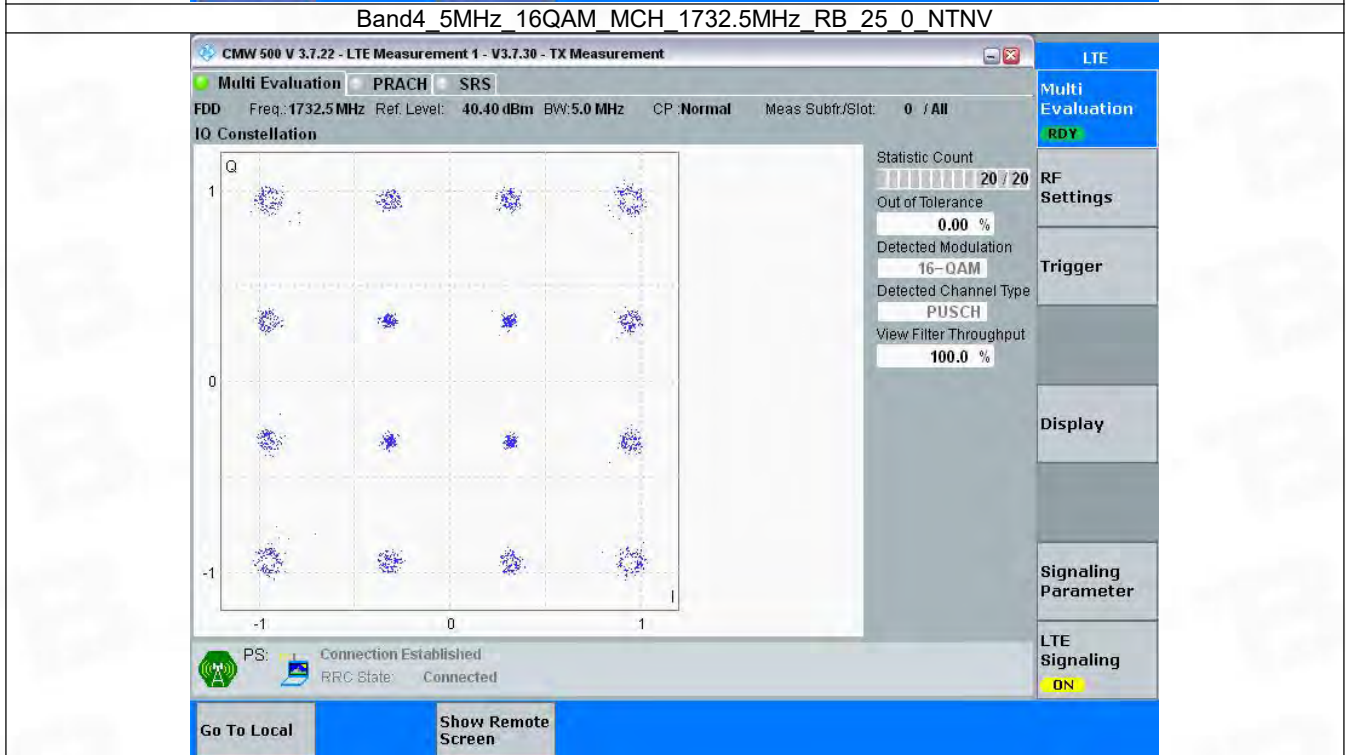
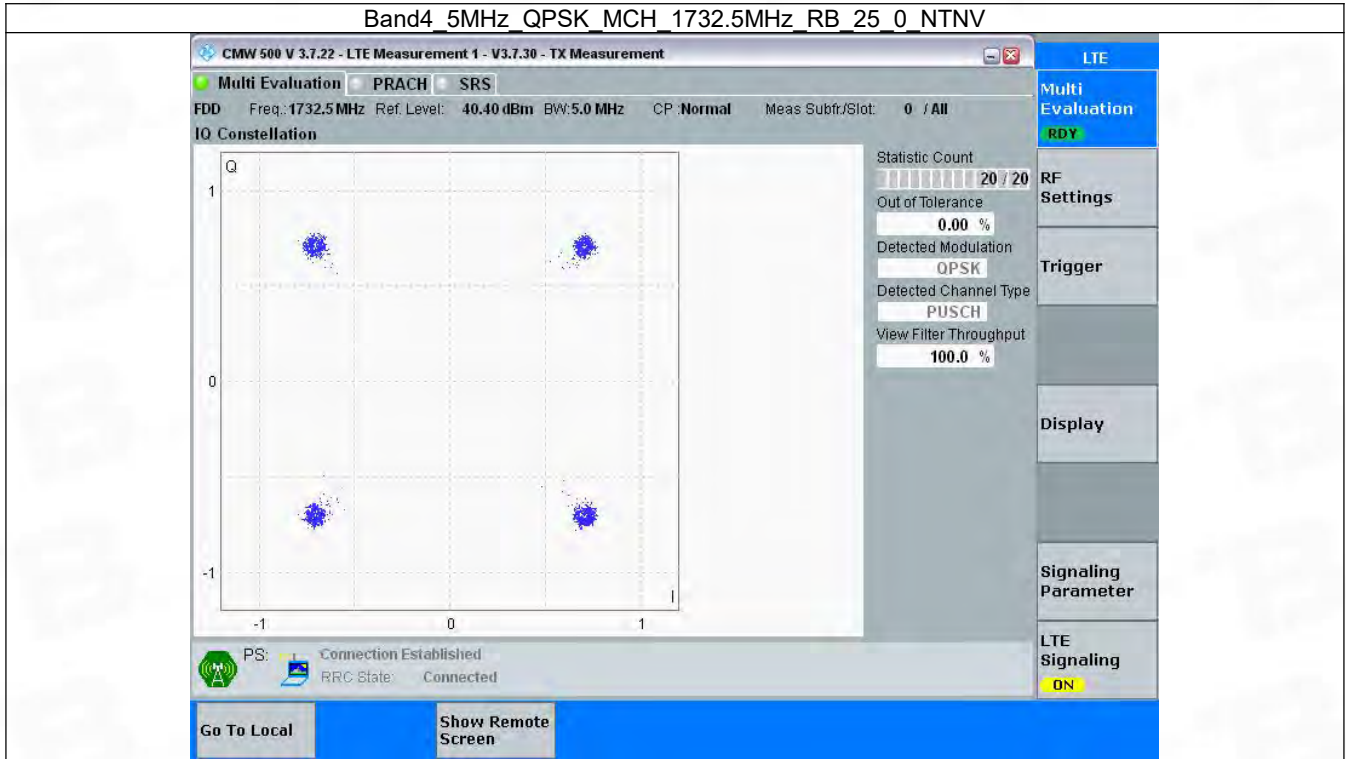


### 3.3 B4\_5MHz

#### 3.3.1 Test Result

| Band: 4 / Bandwidth: 5MHz / NTV |                 |               |        |                            |       |         |
|---------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                 |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                            | 1732.5          | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                           | 1732.5          | 25            | 0      | Refer To Test Graph        |       | Pass    |

### 3.3.2 Test Graph

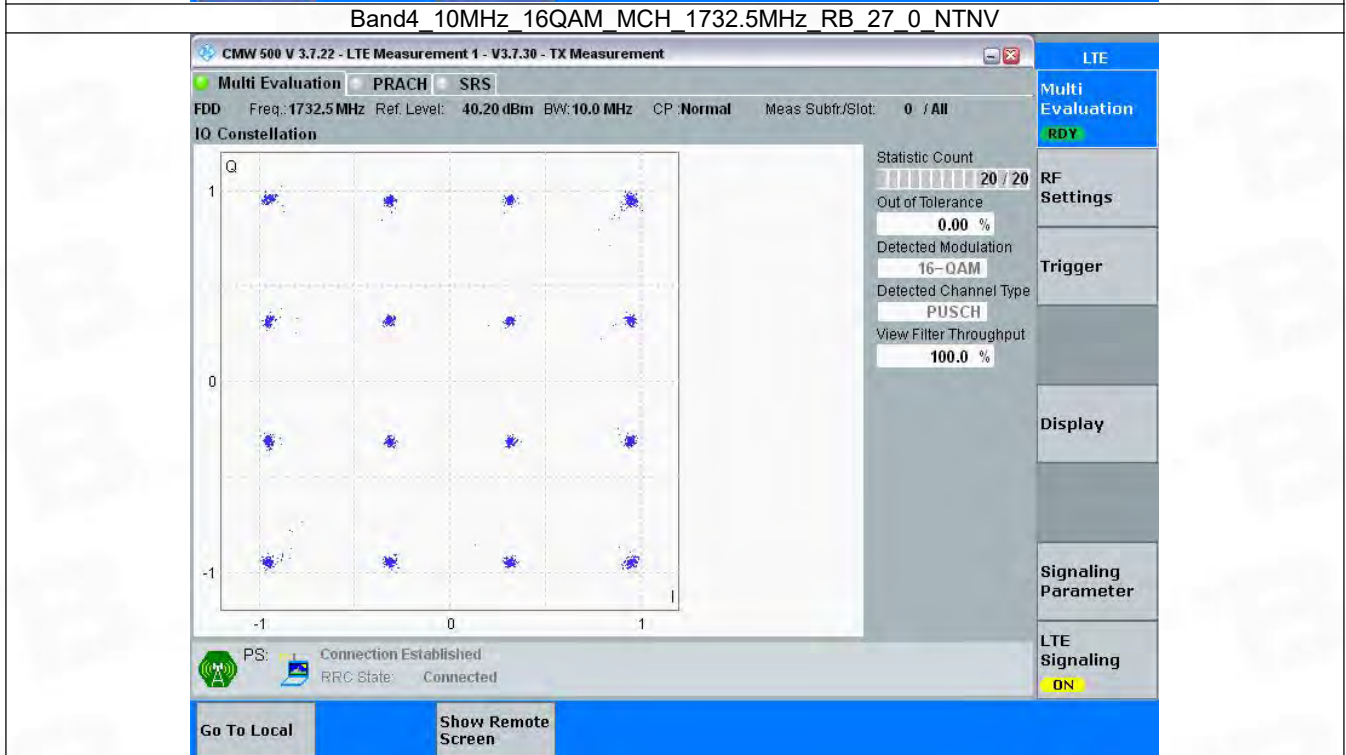
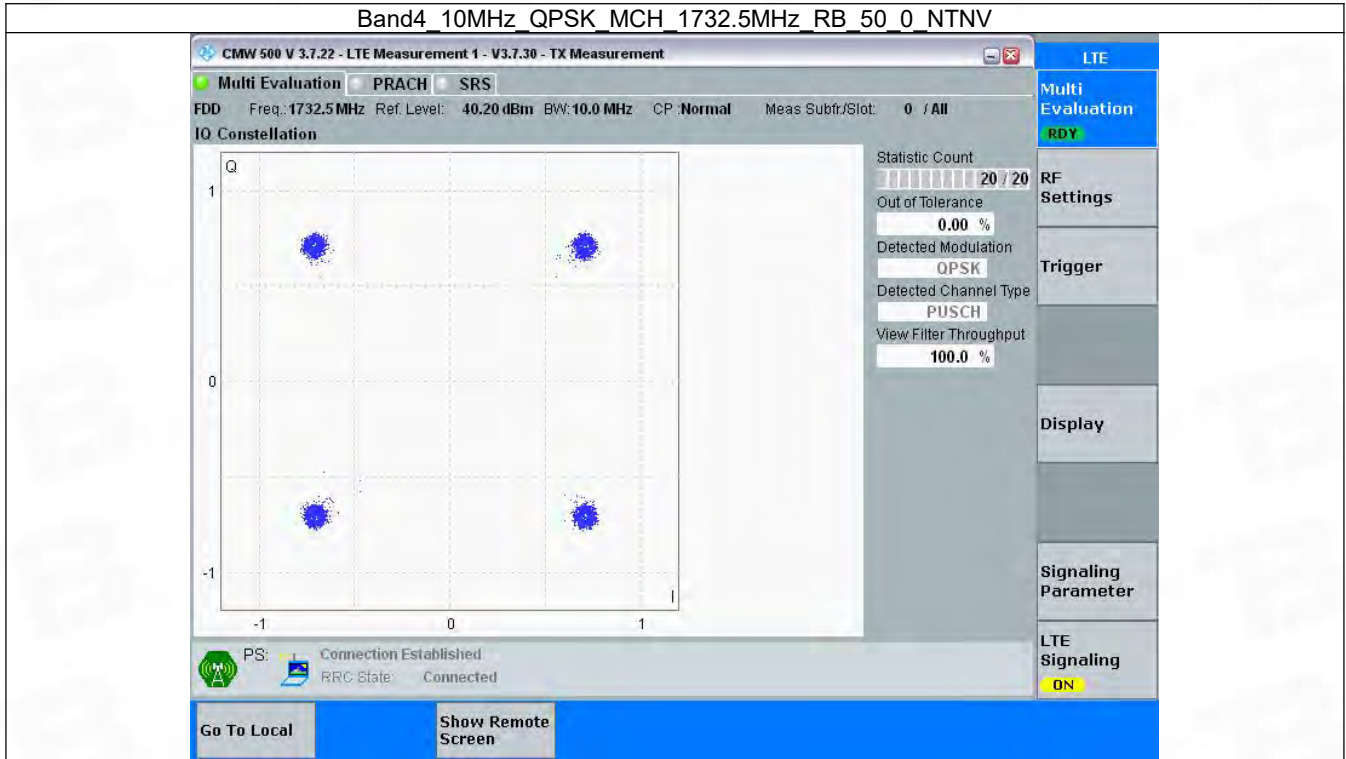


### 3.4 B4\_10MHz

#### 3.4.1 Test Result

| Band: 4 / Bandwidth: 10MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 1732.5          | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 1732.5          | 27            | 0      | Refer To Test Graph        |       | Pass    |

### 3.4.2 Test Graph



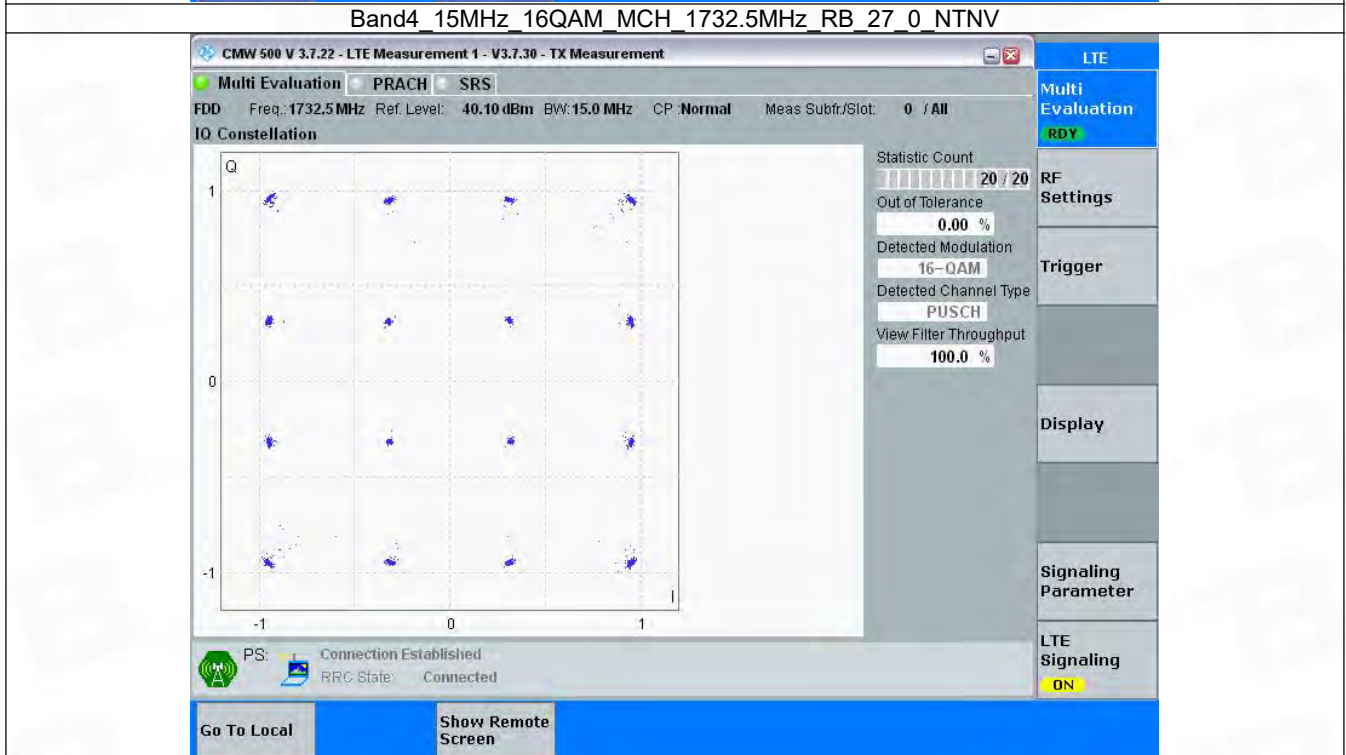
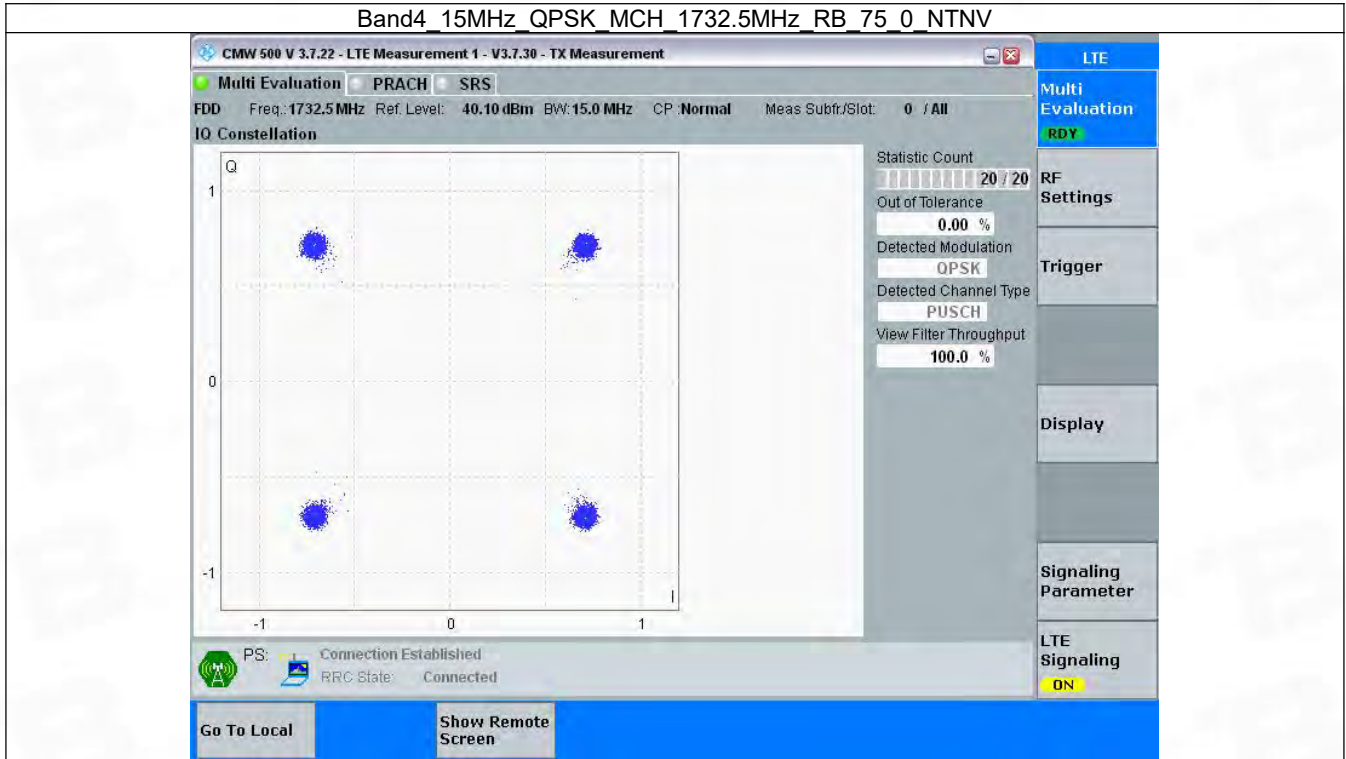
### 3.5 B4\_15MHz

#### 3.5.1 Test Result

| Band: 4 / Bandwidth: 15MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 1732.5          | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 1732.5          | 27            | 0      | Refer To Test Graph        |       | Pass    |



### 3.5.2 Test Graph

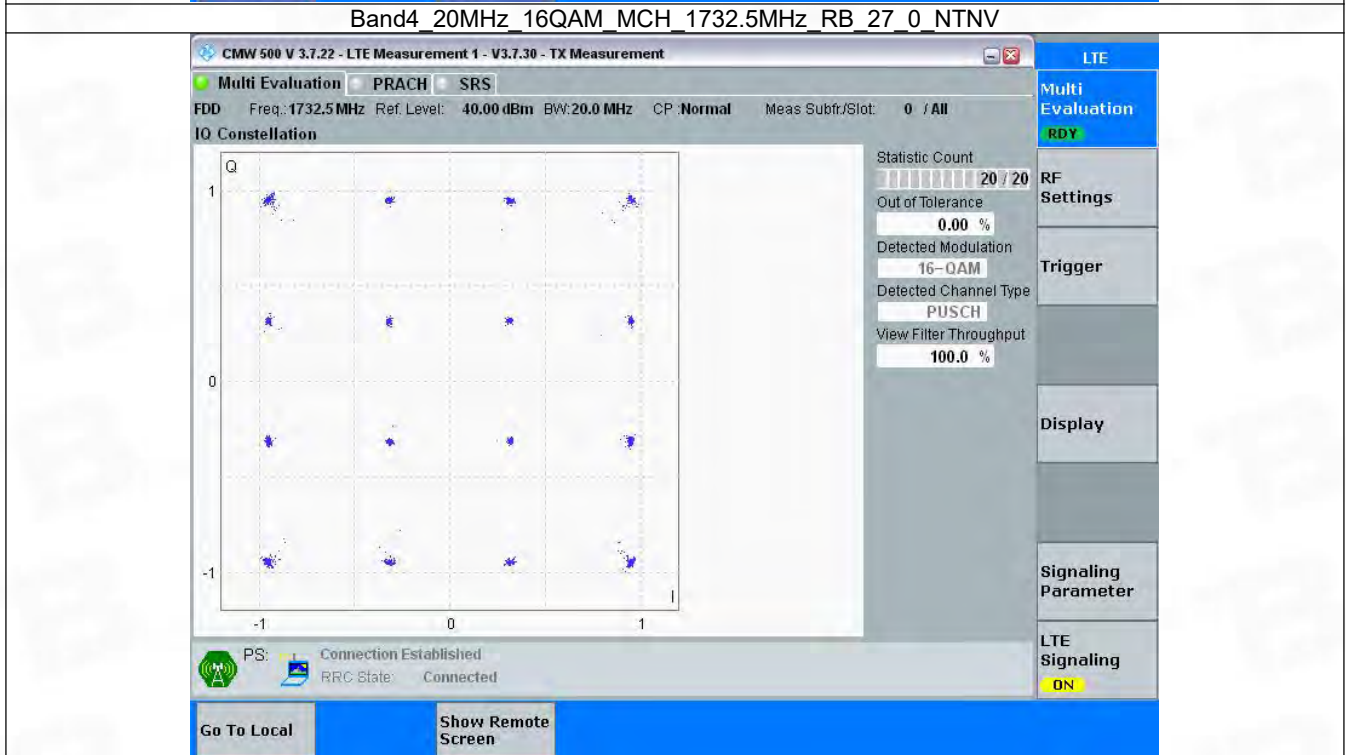
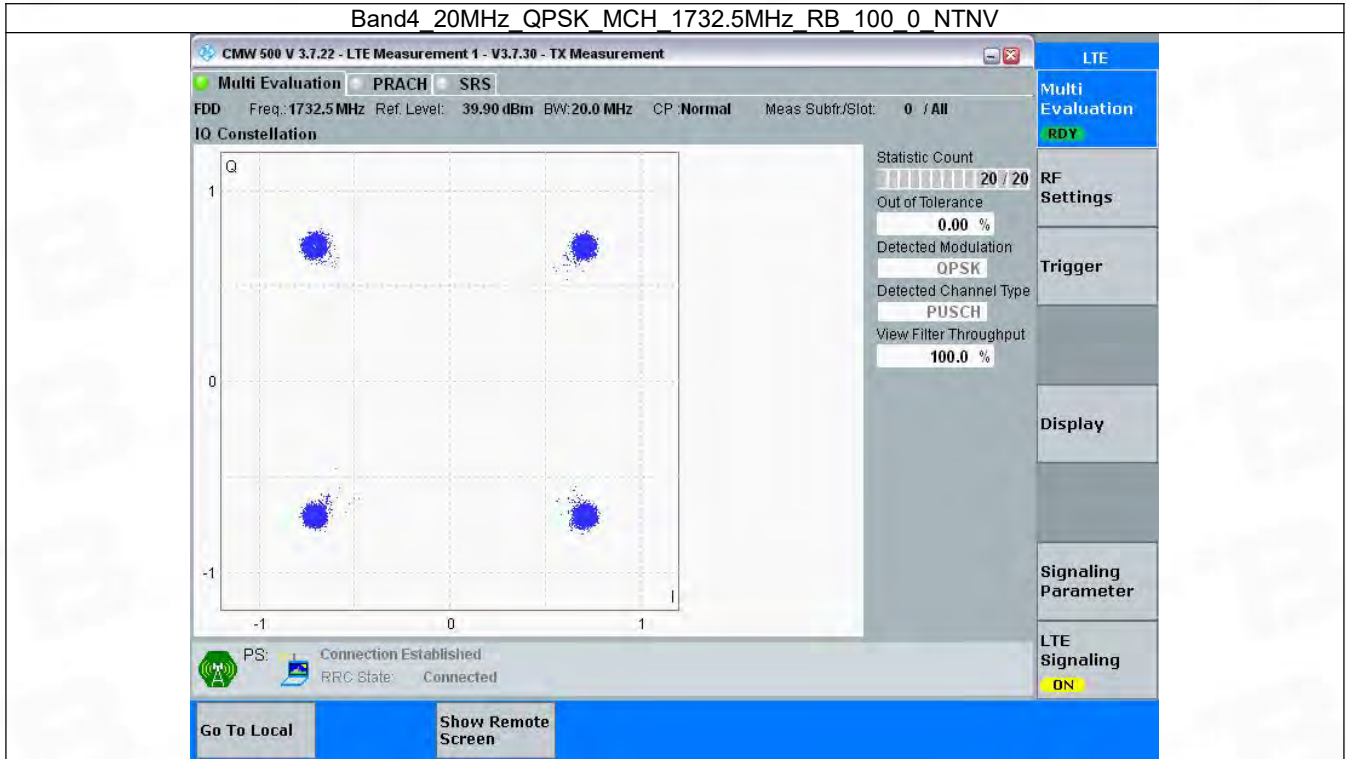


### 3.6 B4\_20MHz

#### 3.6.1 Test Result

| Band: 4 / Bandwidth: 20MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 1732.5          | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 1732.5          | 27            | 0      | Refer To Test Graph        |       | Pass    |

### 3.6.2 Test Graph



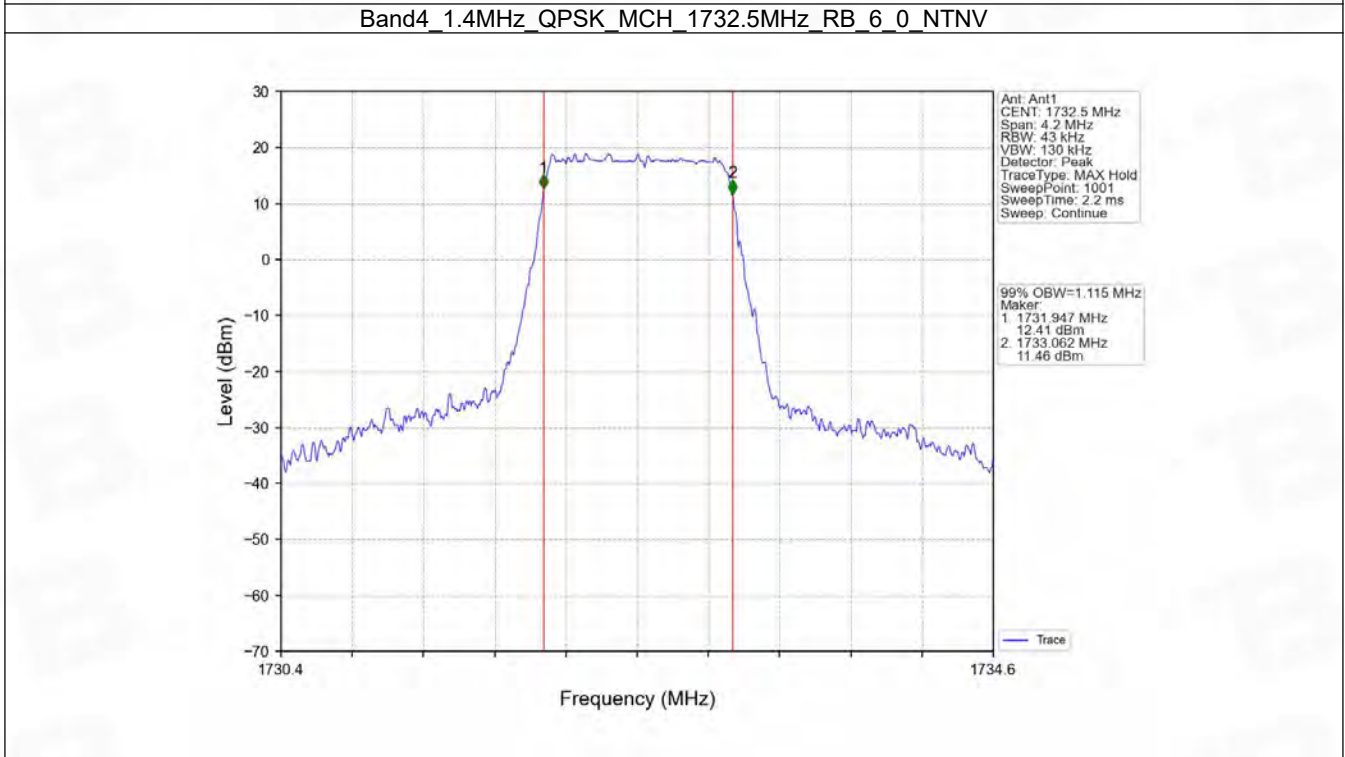
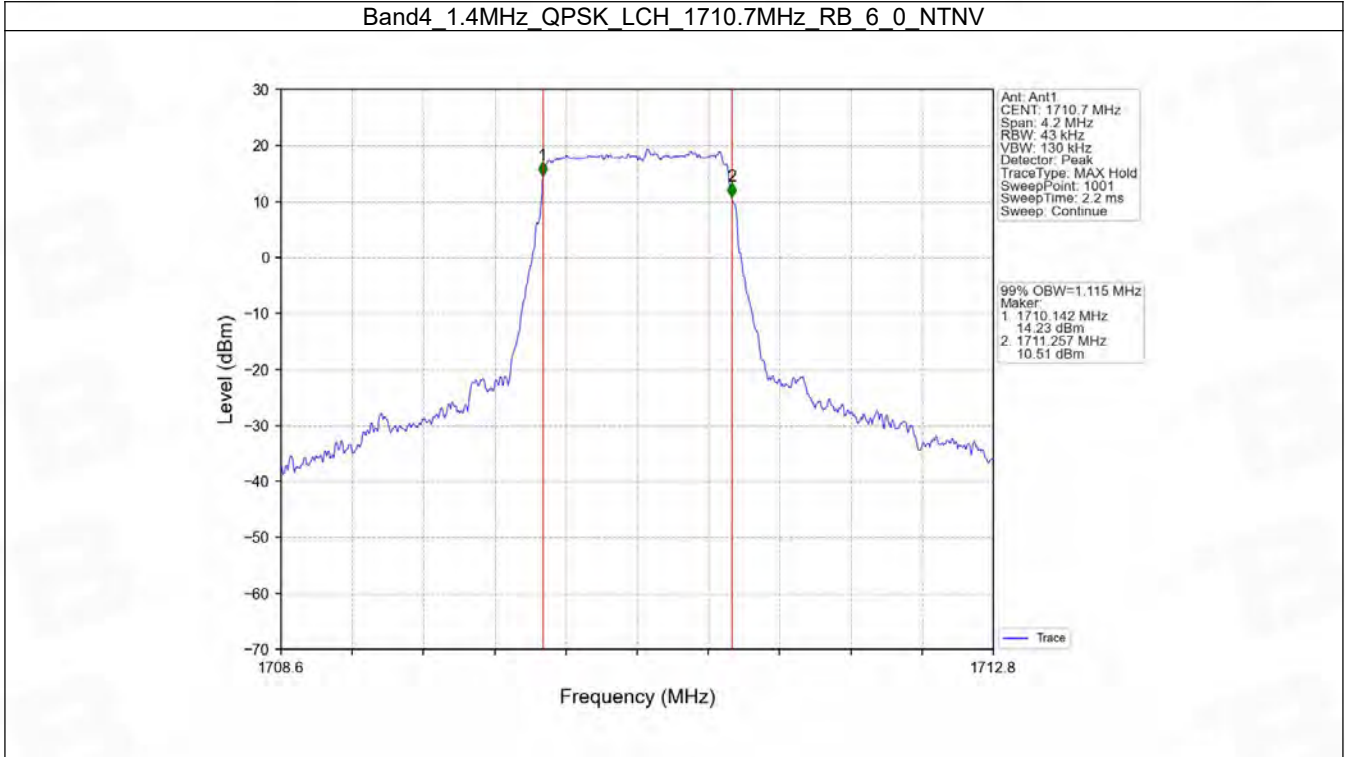
## 4. 99% & 26dB Bandwidth

### 4.1 Band4\_OBW

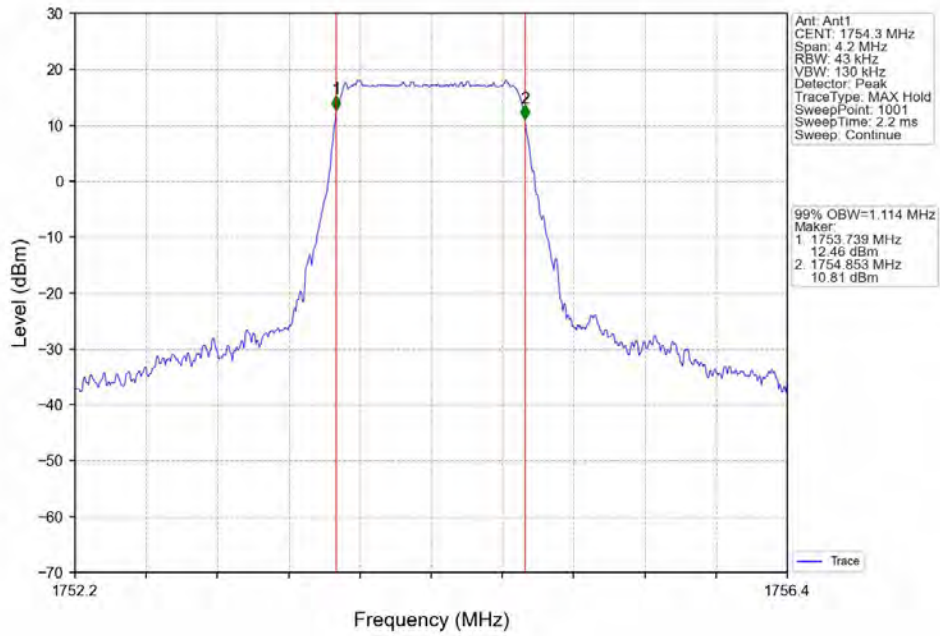
#### 4.1.1 Test Result

| Band: 4 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.115                        | /     | Pass    |
|                 |            | 1732.5          | 6             | 0      | 1.115                        | /     | Pass    |
|                 |            | 1754.3          | 6             | 0      | 1.114                        | /     | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.110                        | /     | Pass    |
|                 |            | 1732.5          | 6             | 0      | 1.104                        | /     | Pass    |
|                 |            | 1754.3          | 6             | 0      | 1.121                        | /     | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 2.746                        | /     | Pass    |
|                 |            | 1732.5          | 15            | 0      | 2.743                        | /     | Pass    |
|                 |            | 1753.5          | 15            | 0      | 2.750                        | /     | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 2.739                        | /     | Pass    |
|                 |            | 1732.5          | 15            | 0      | 2.735                        | /     | Pass    |
|                 |            | 1753.5          | 15            | 0      | 2.744                        | /     | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 4.547                        | /     | Pass    |
|                 |            | 1732.5          | 25            | 0      | 4.547                        | /     | Pass    |
|                 |            | 1752.5          | 25            | 0      | 4.555                        | /     | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 4.558                        | /     | Pass    |
|                 |            | 1732.5          | 25            | 0      | 4.542                        | /     | Pass    |
|                 |            | 1752.5          | 25            | 0      | 4.531                        | /     | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 9.054                        | /     | Pass    |
|                 |            | 1732.5          | 50            | 0      | 9.020                        | /     | Pass    |
|                 |            | 1750            | 50            | 0      | 9.037                        | /     | Pass    |
|                 | 16QAM      | 1715            | 27            | 0      | 5.124                        | /     | Pass    |
|                 |            | 1732.5          | 27            | 0      | 5.107                        | /     | Pass    |
|                 |            | 1750            | 27            | 23     | 5.100                        | /     | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 13.523                       | /     | Pass    |
|                 |            | 1732.5          | 75            | 0      | 13.518                       | /     | Pass    |
|                 |            | 1747.5          | 75            | 0      | 13.518                       | /     | Pass    |
|                 | 16QAM      | 1717.5          | 27            | 0      | 5.642                        | /     | Pass    |
|                 |            | 1732.5          | 27            | 0      | 5.345                        | /     | Pass    |
|                 |            | 1747.5          | 27            | 48     | 5.245                        | /     | Pass    |
| 20              | QPSK       | 1720            | 100           | 0      | 17.928                       | /     | Pass    |
|                 |            | 1732.5          | 100           | 0      | 18.012                       | /     | Pass    |
|                 |            | 1745            | 100           | 0      | 17.969                       | /     | Pass    |
|                 | 16QAM      | 1720            | 27            | 0      | 5.800                        | /     | Pass    |
|                 |            | 1732.5          | 27            | 0      | 5.566                        | /     | Pass    |
|                 |            | 1745            | 27            | 73     | 5.502                        | /     | Pass    |

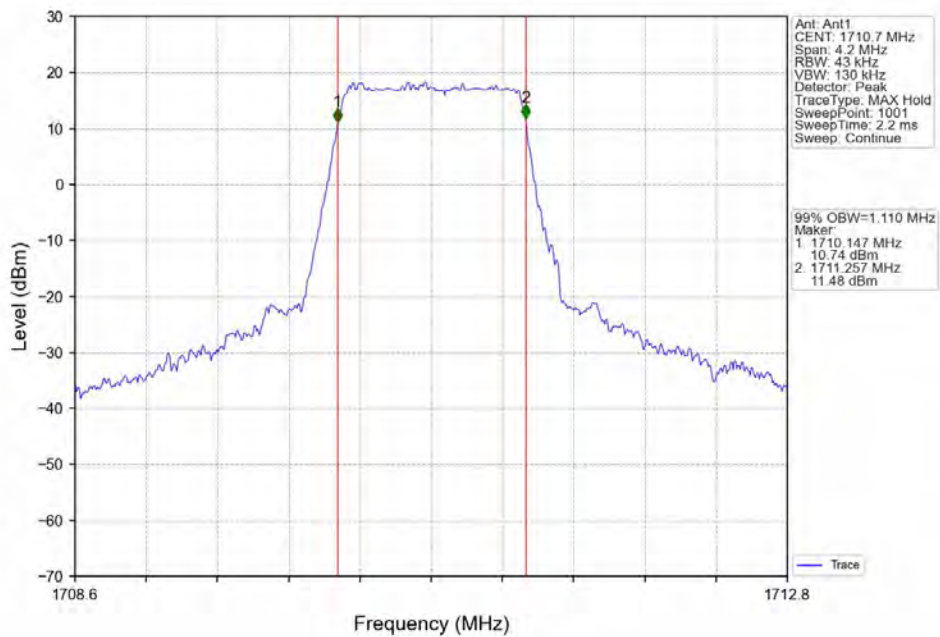
### 4.1.2 Test Graph



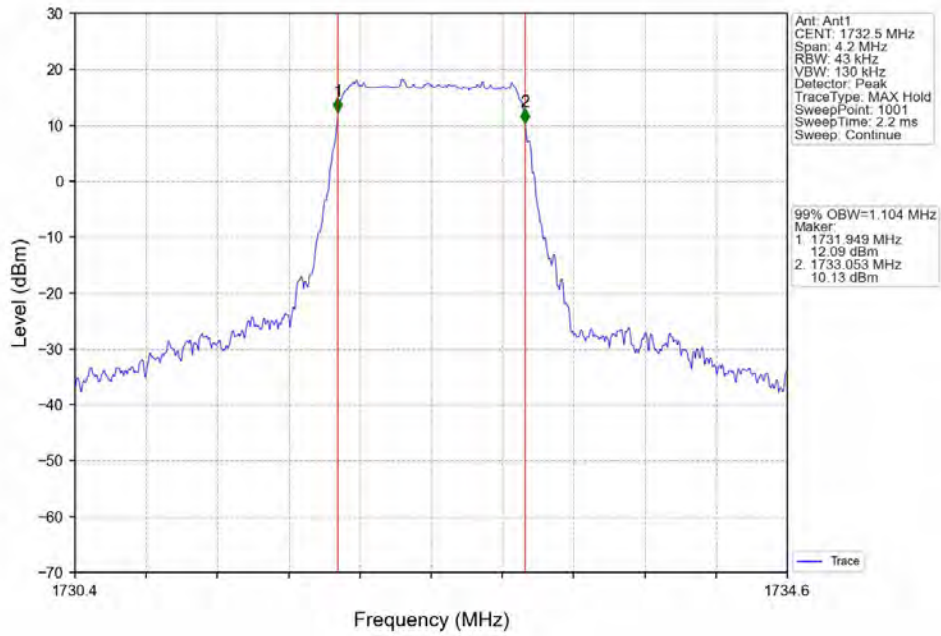
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



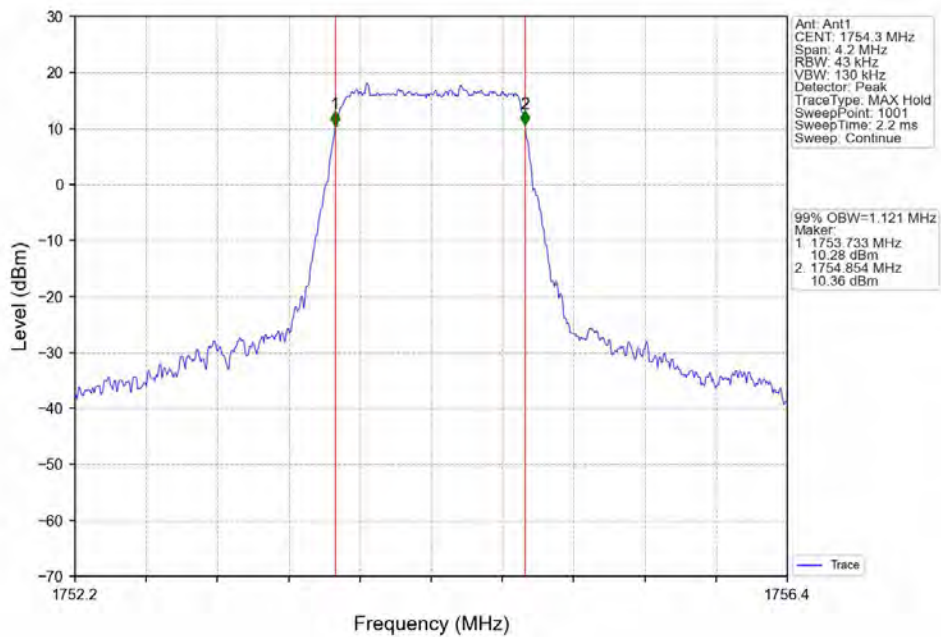
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



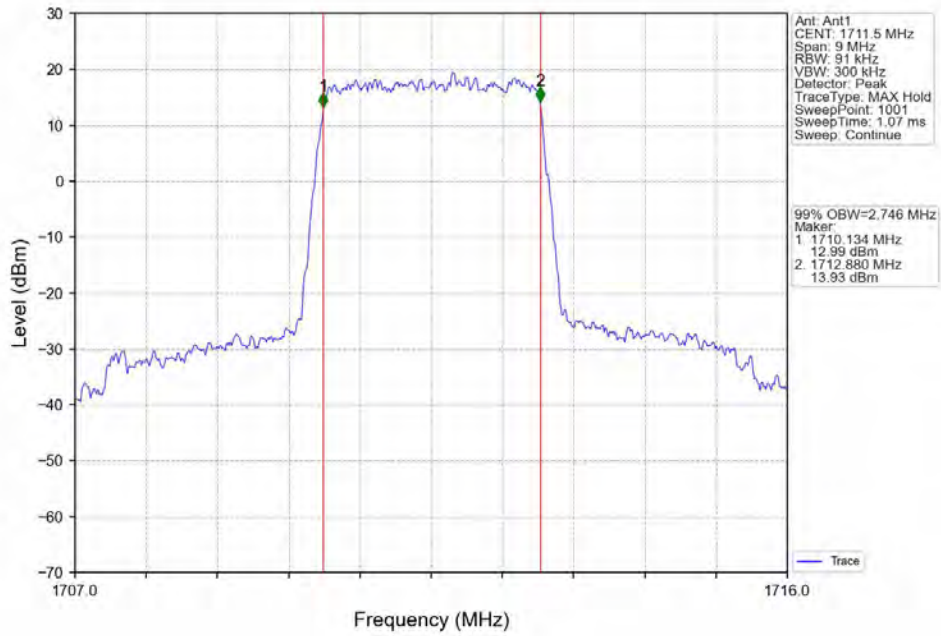
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



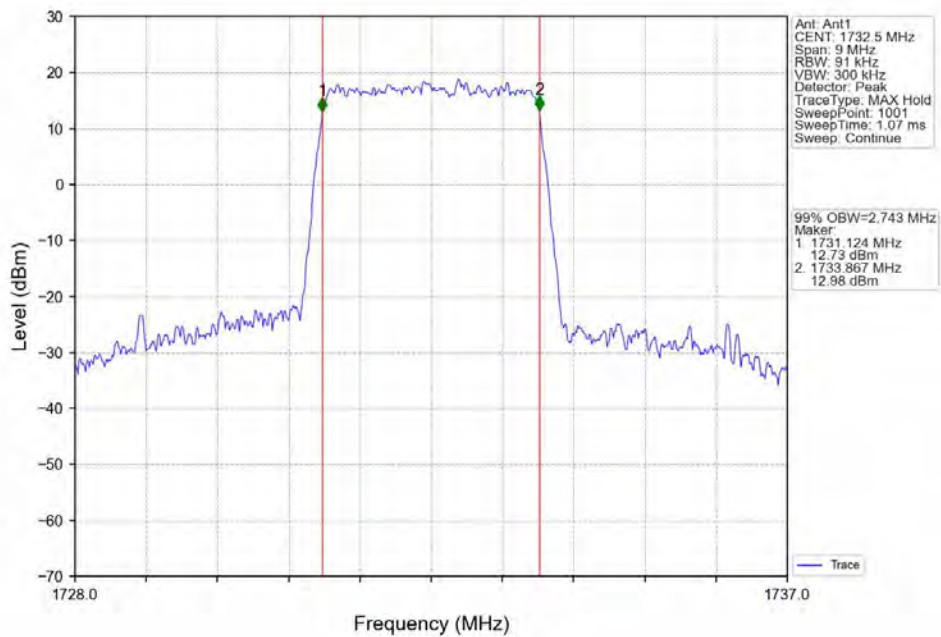
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



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

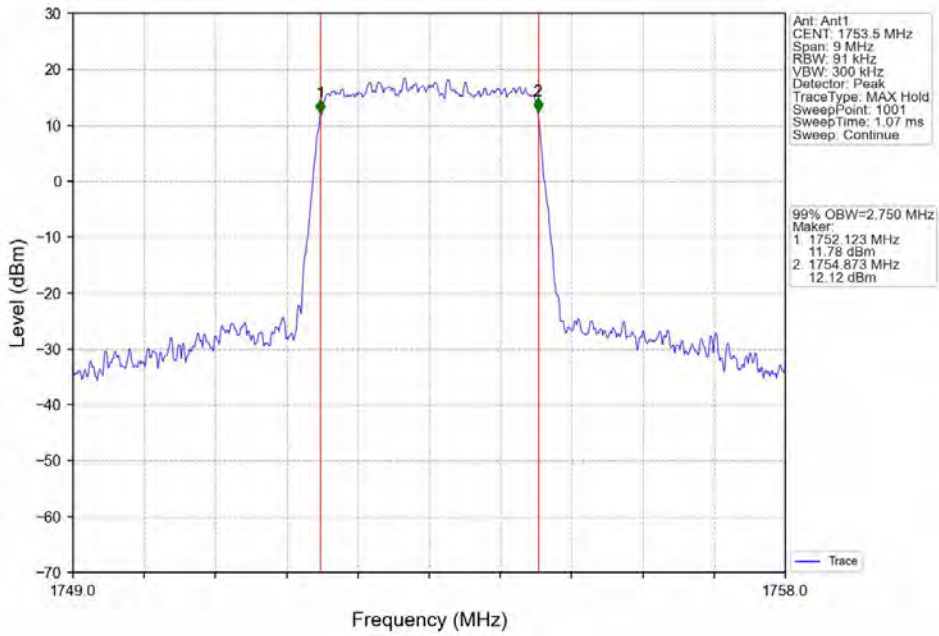


Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV

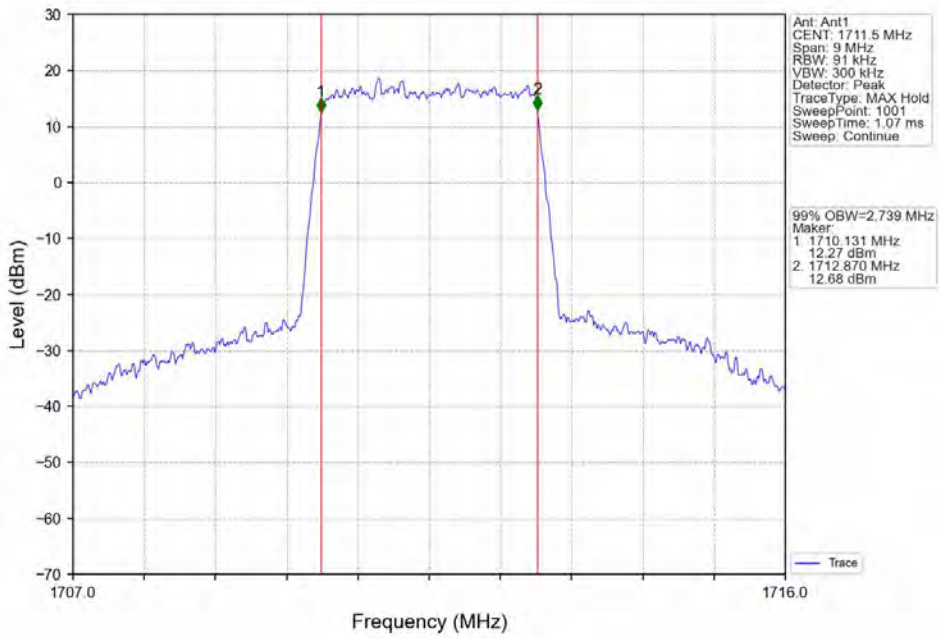




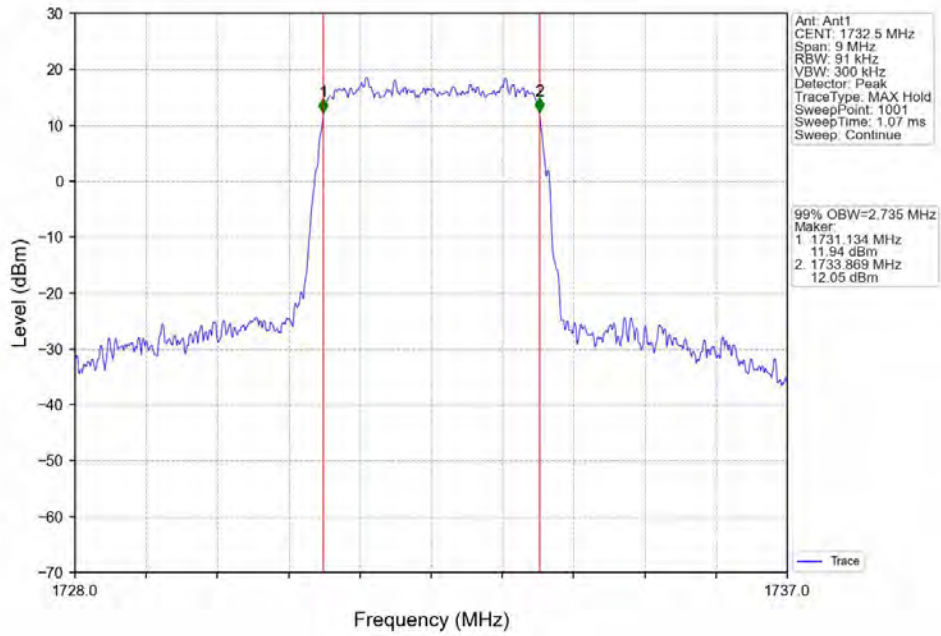
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



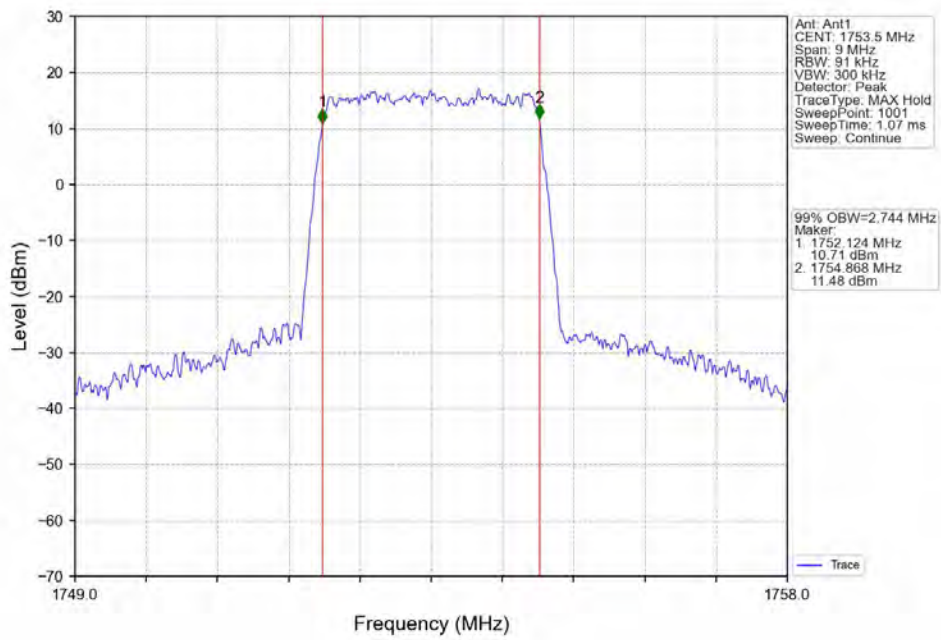
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



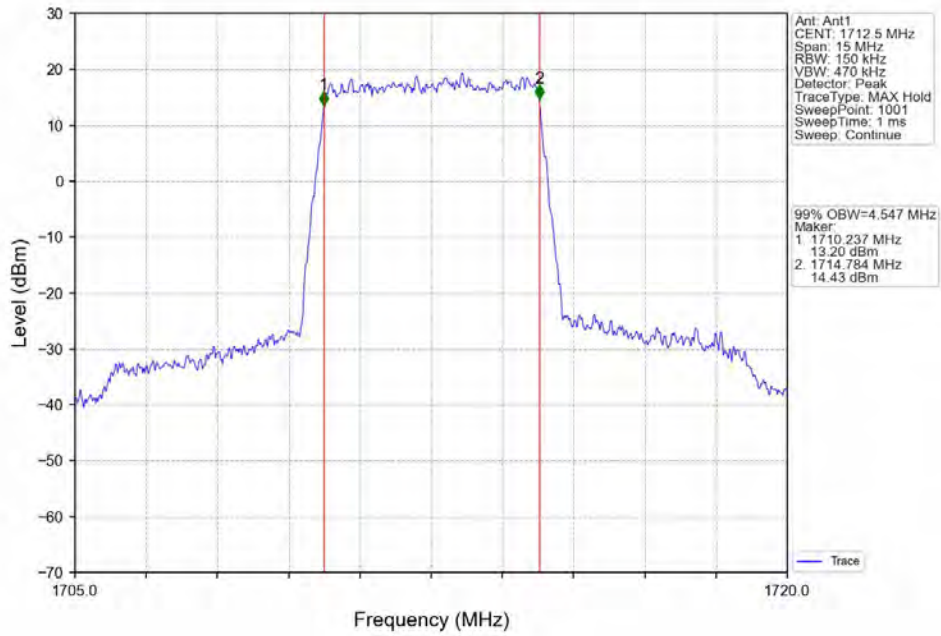
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



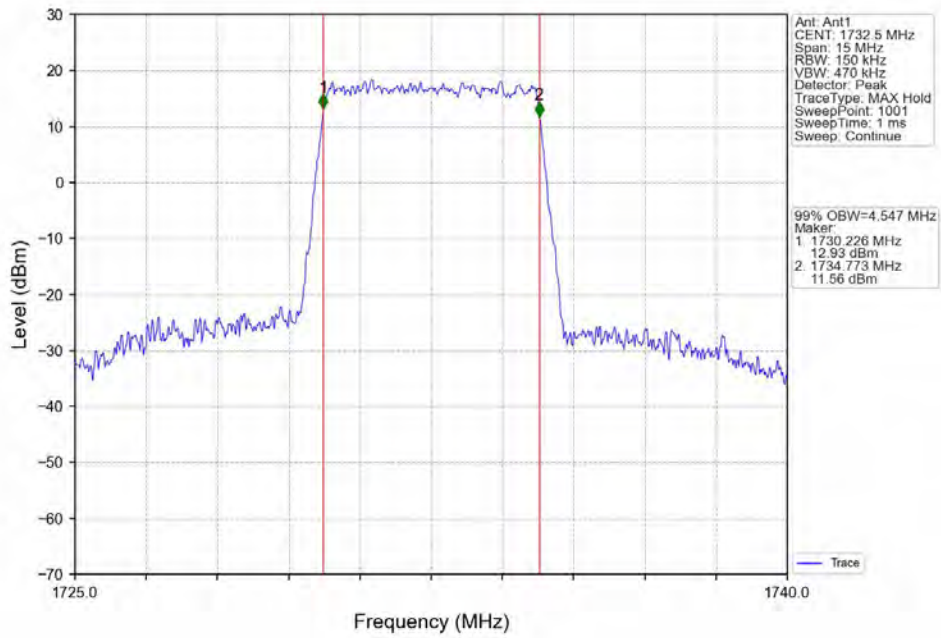
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



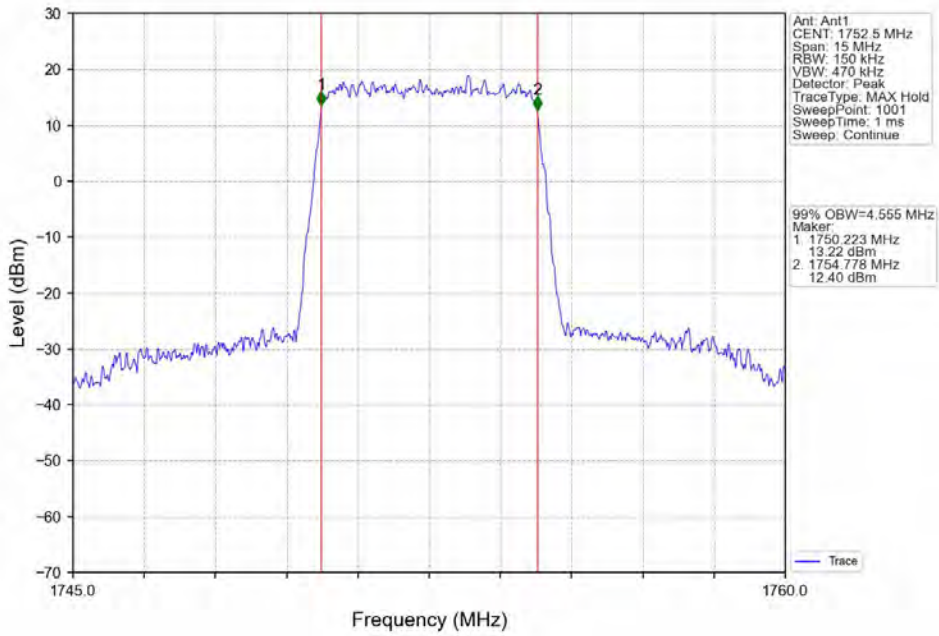
Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



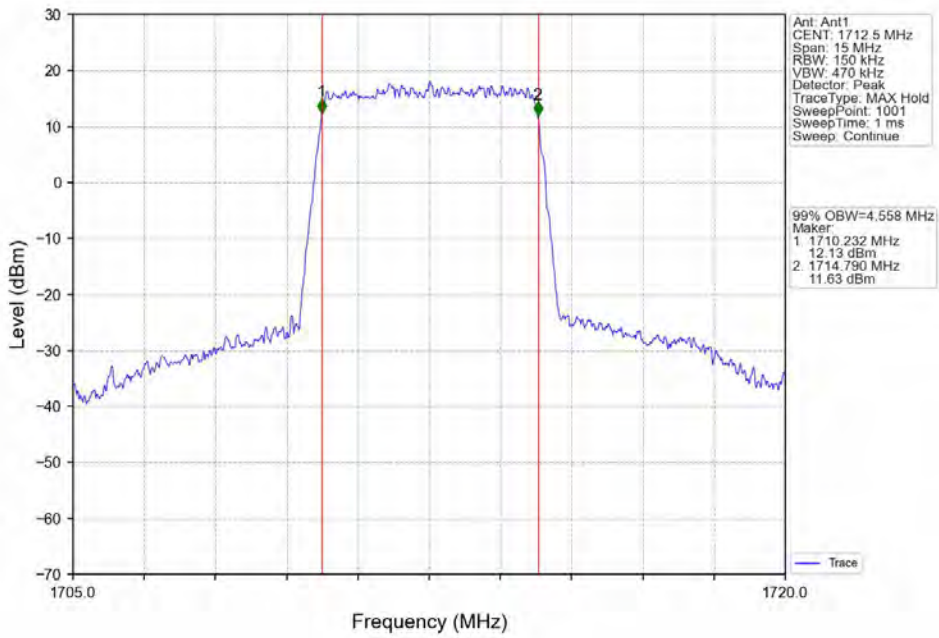
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



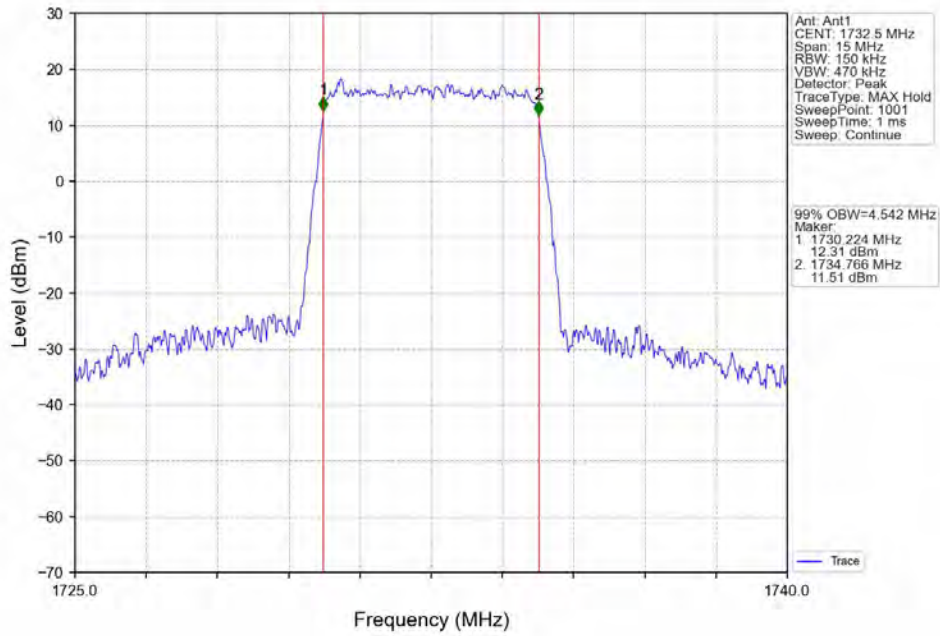
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



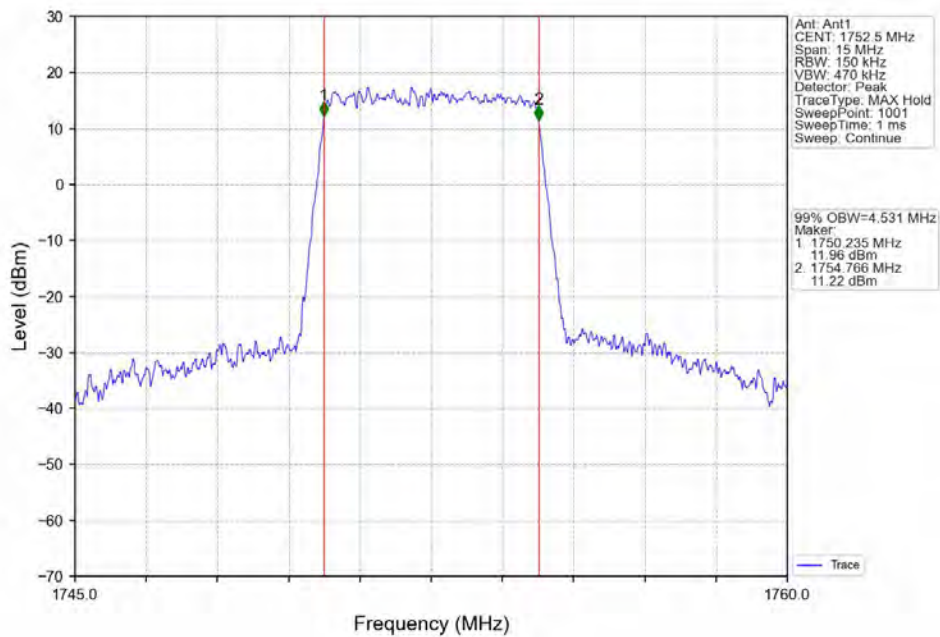
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



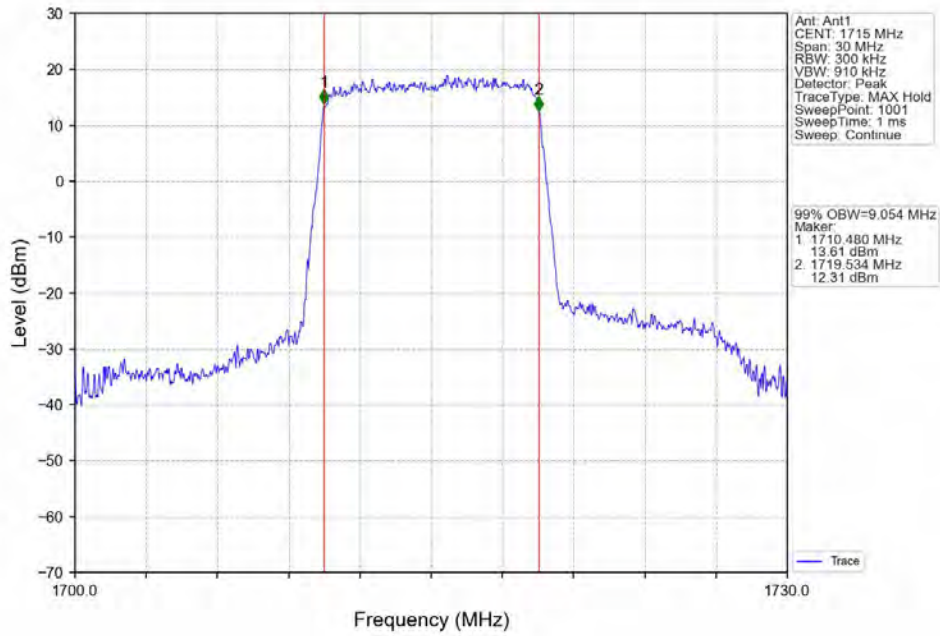
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



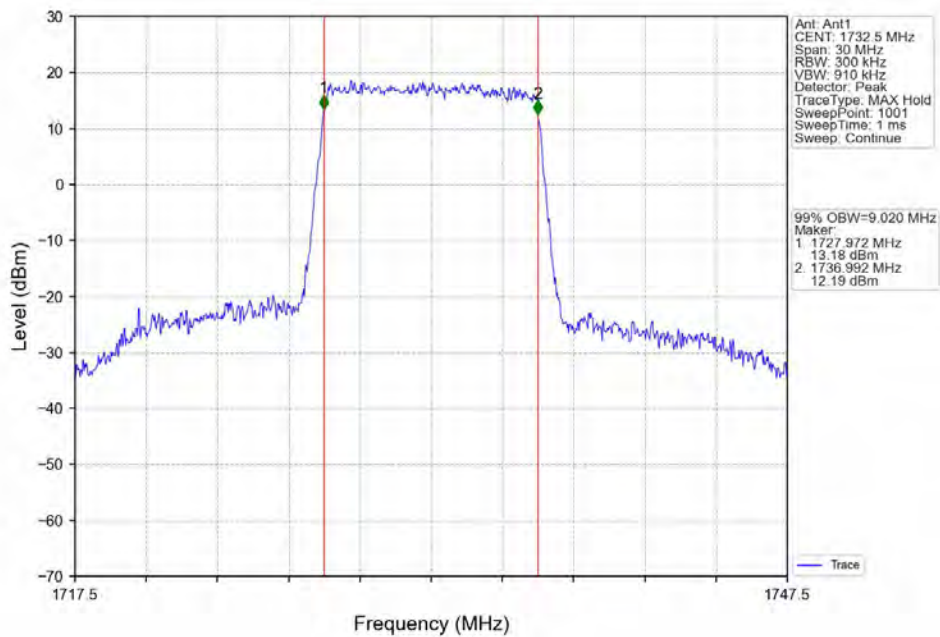
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



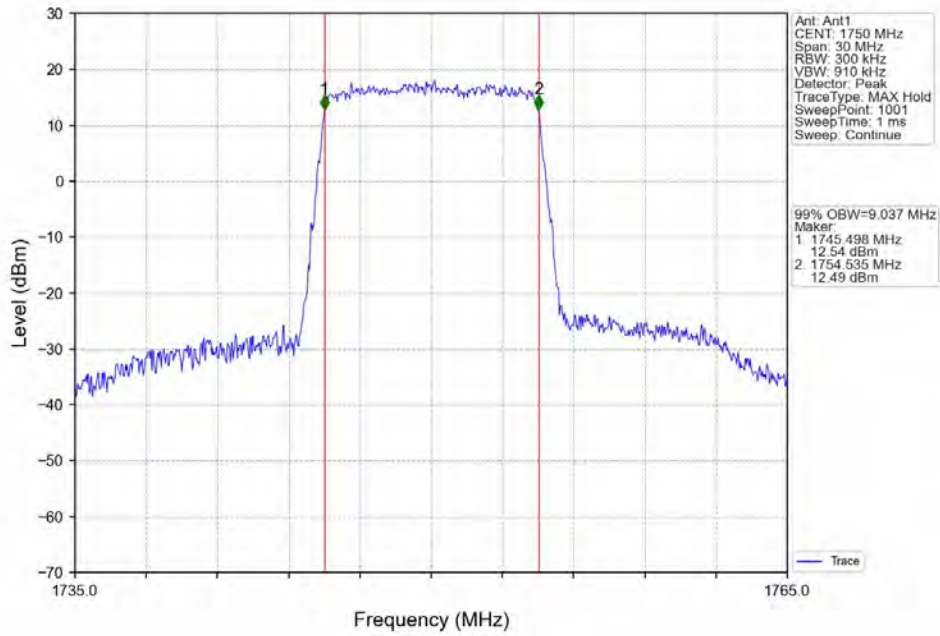
Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



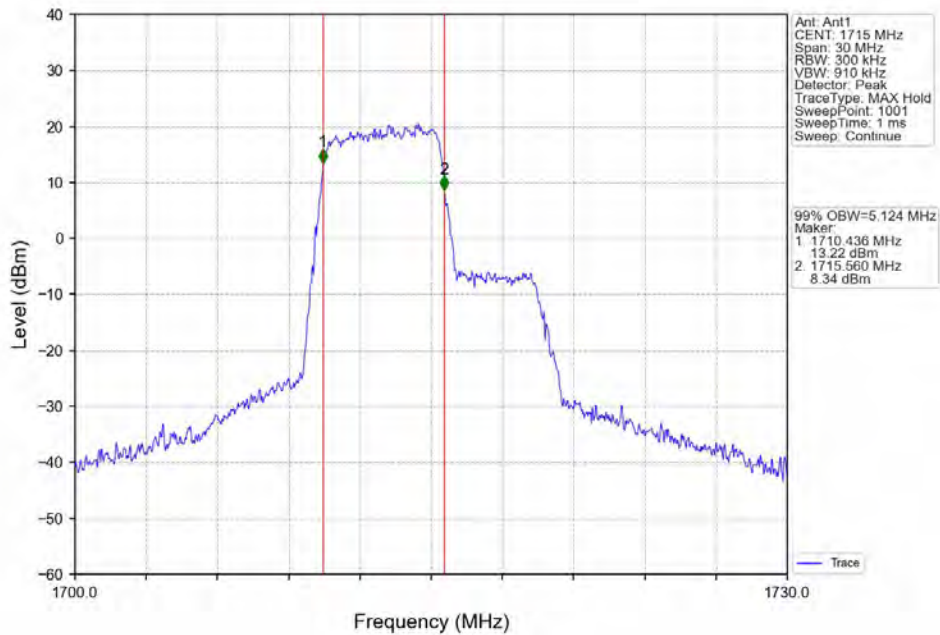
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



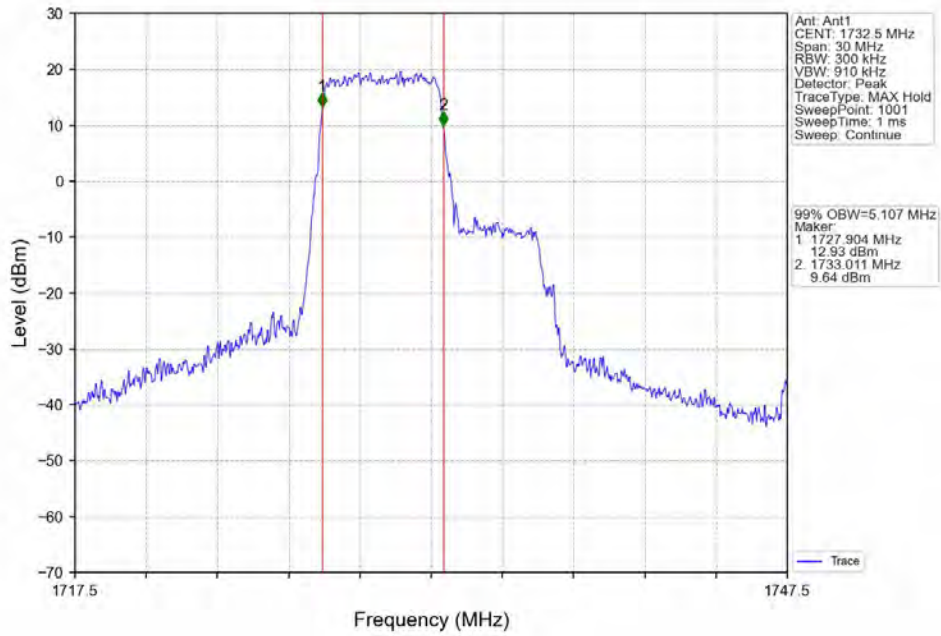
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



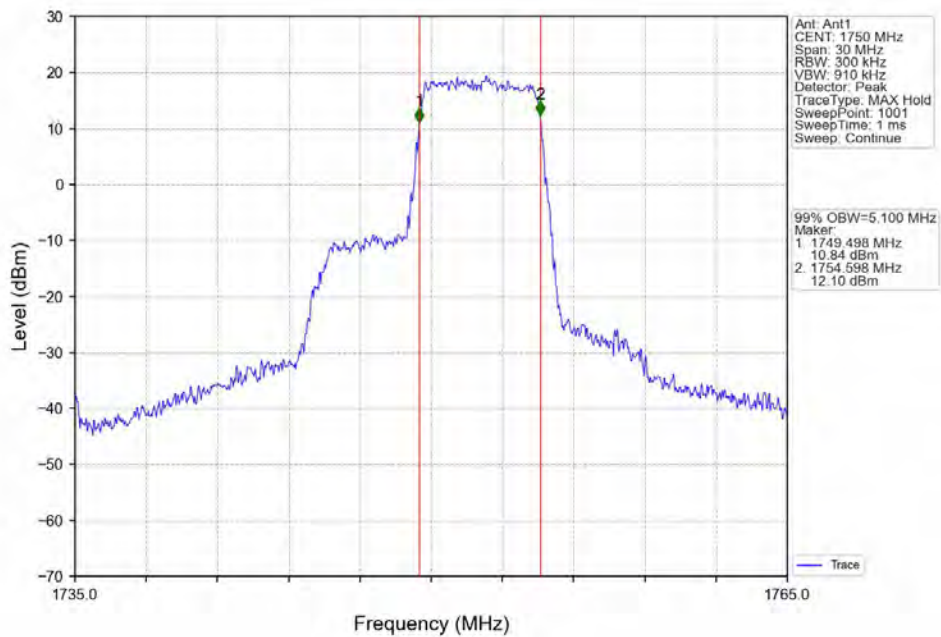
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_27\_0\_NTNV



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

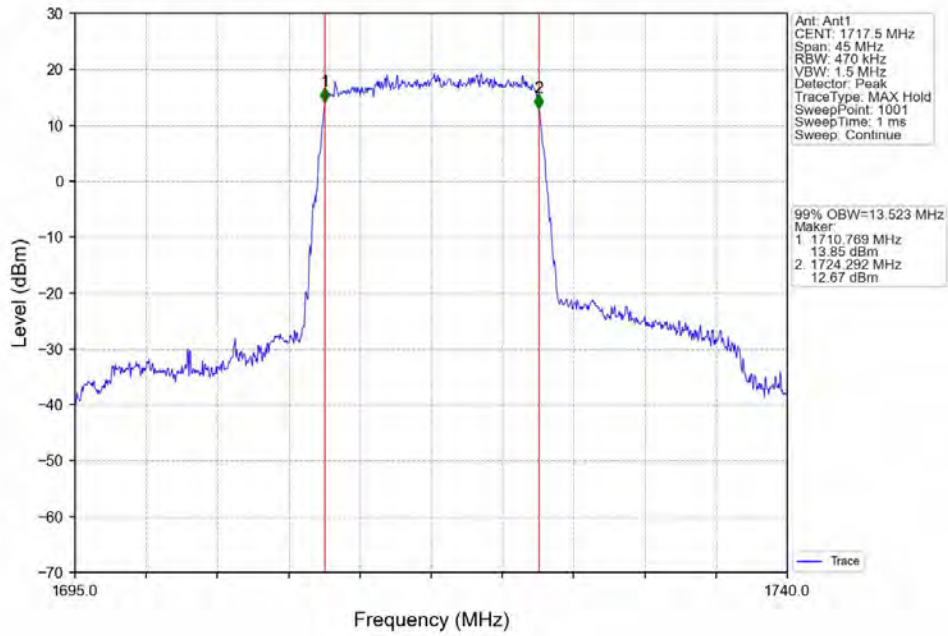


Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_27\_23\_NTNV

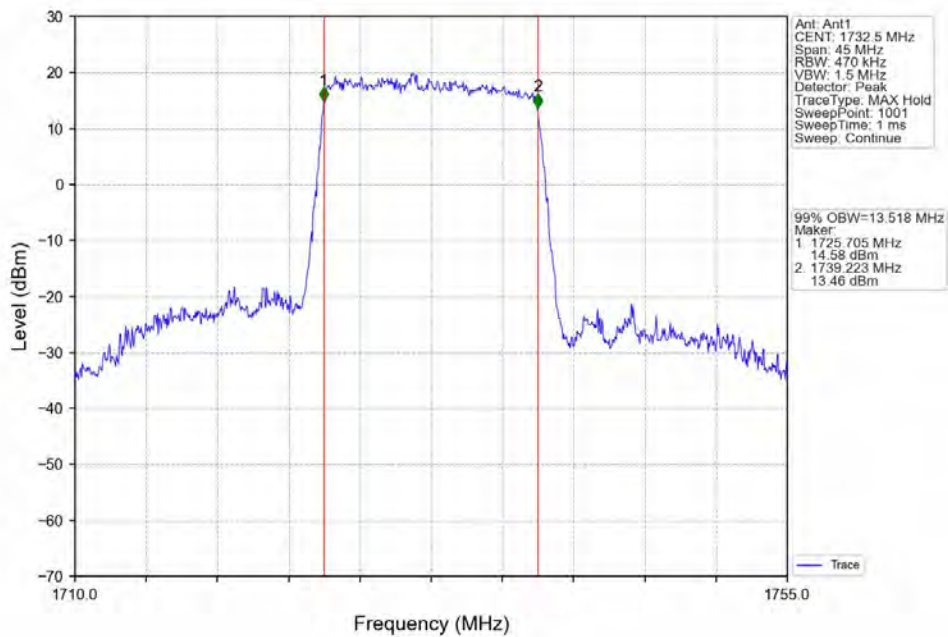




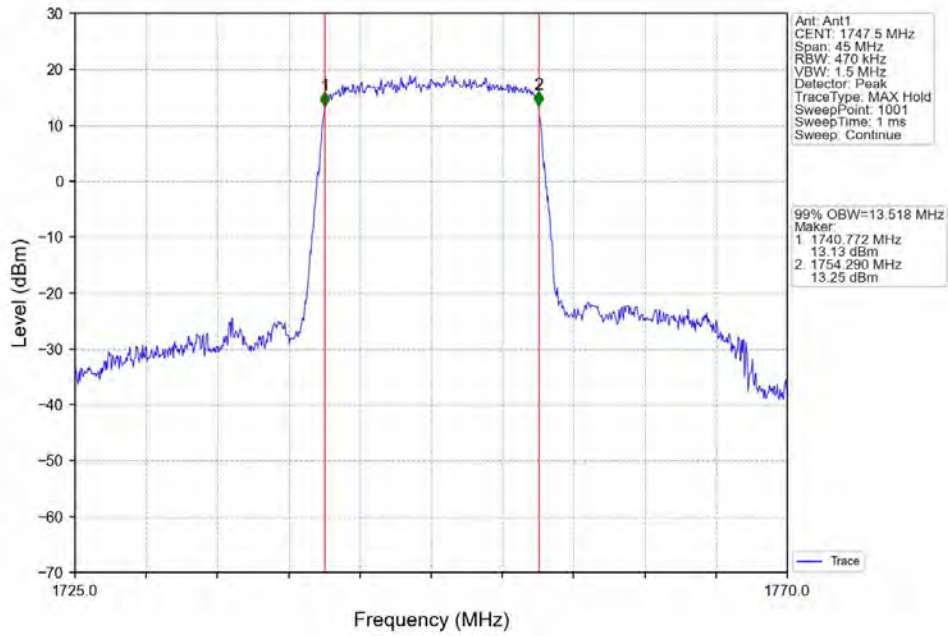
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



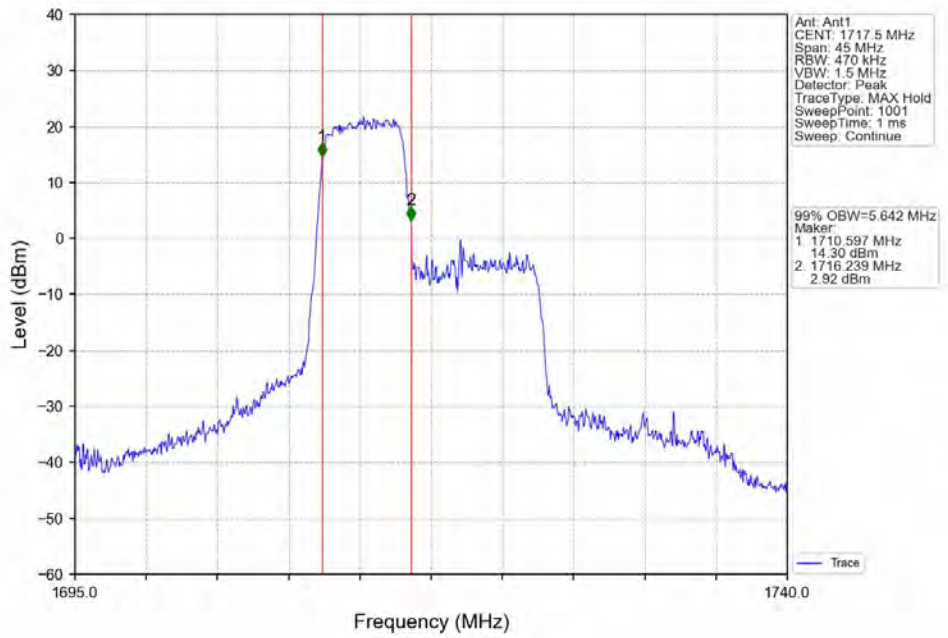
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



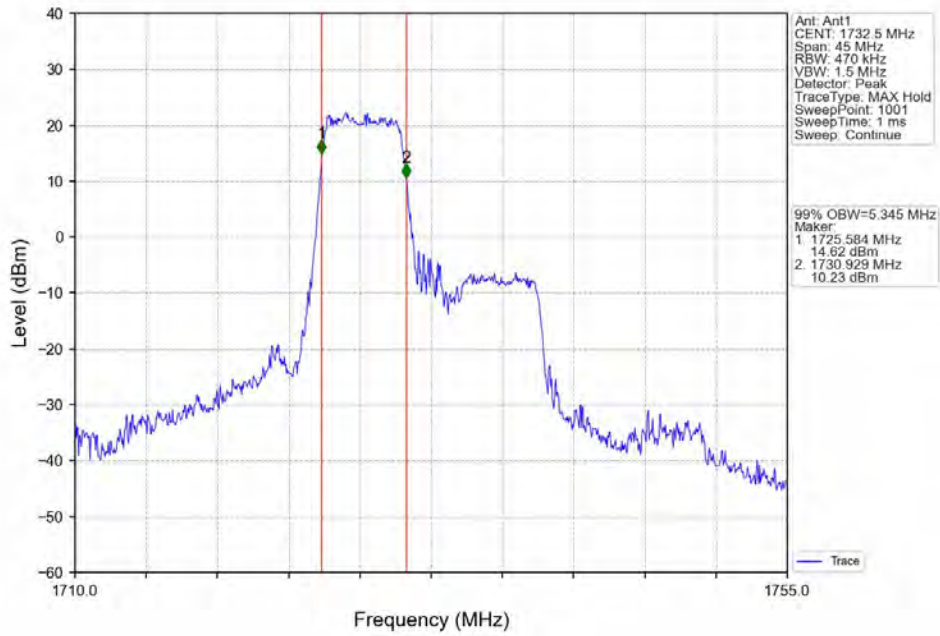
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



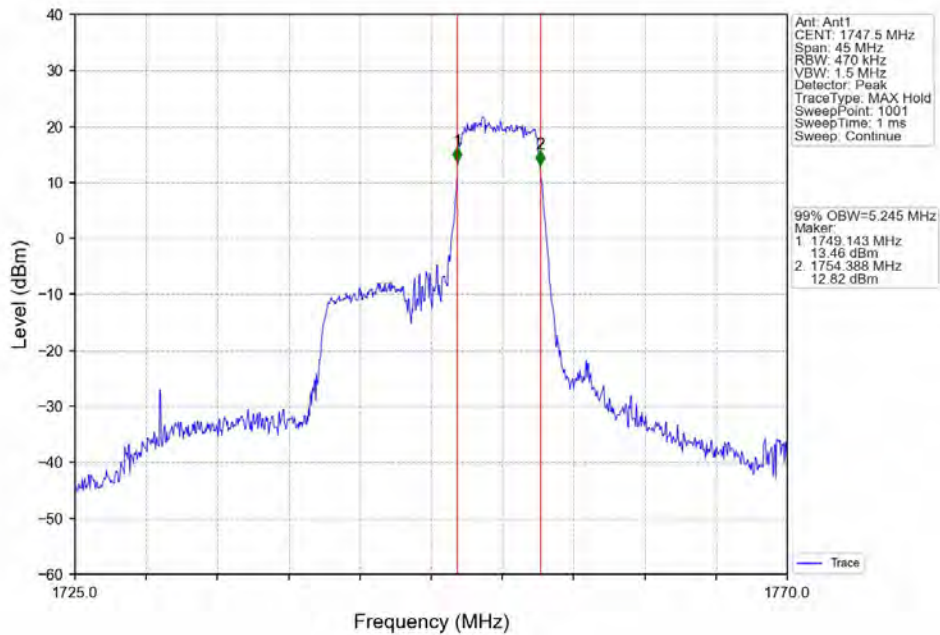
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_27\_0\_NTNV



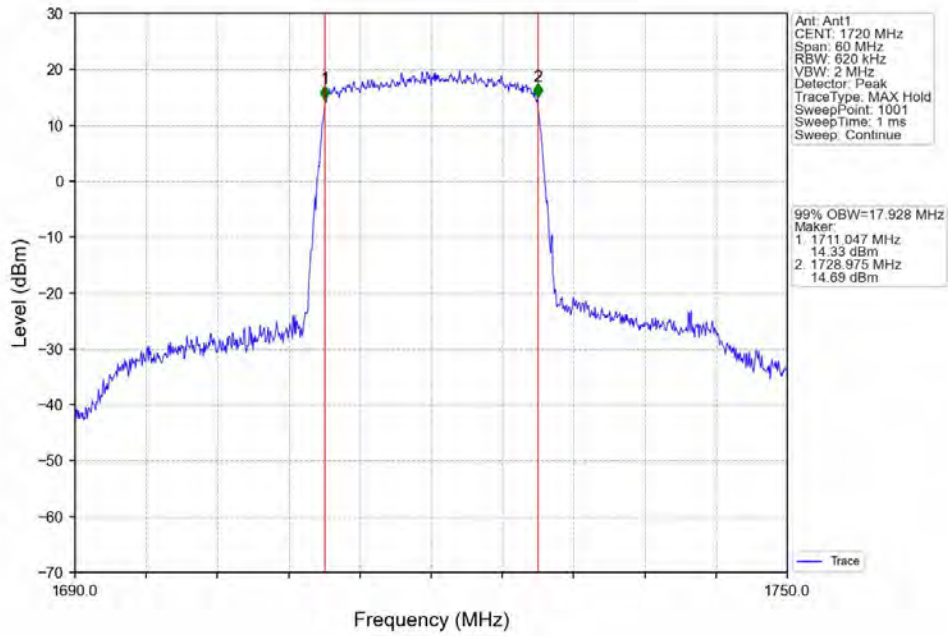
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



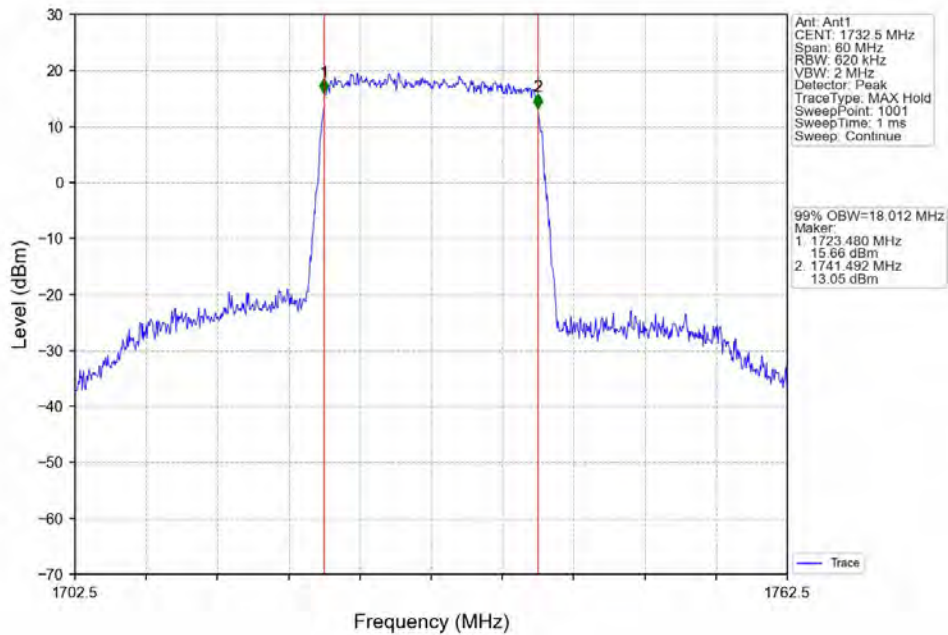
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_27\_48\_NTNV



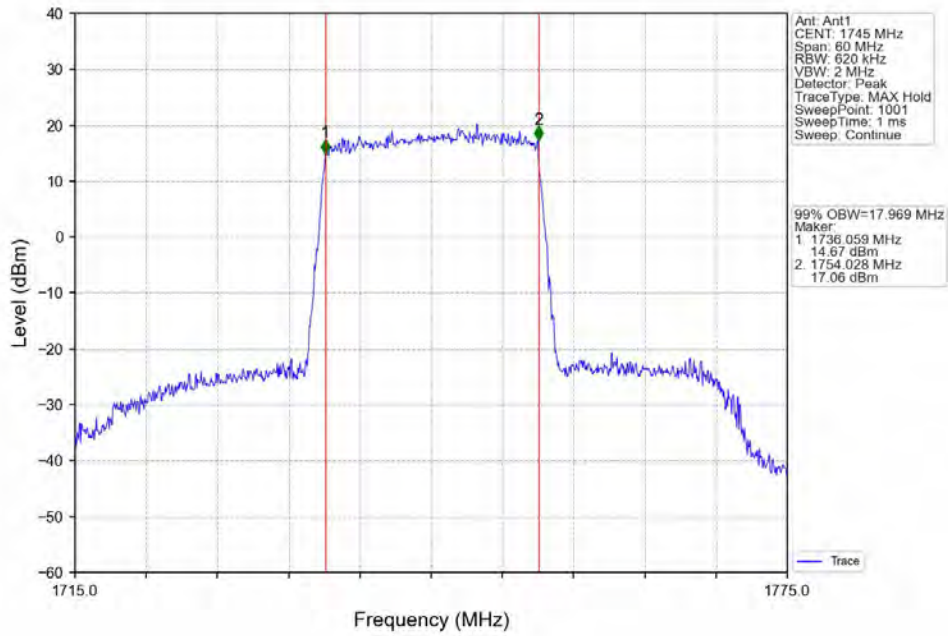
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



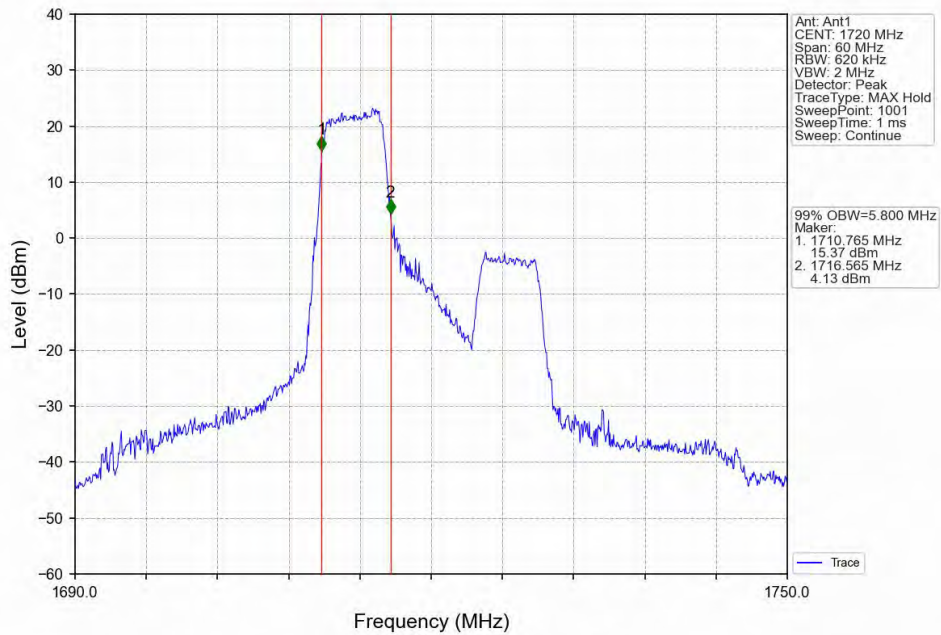
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



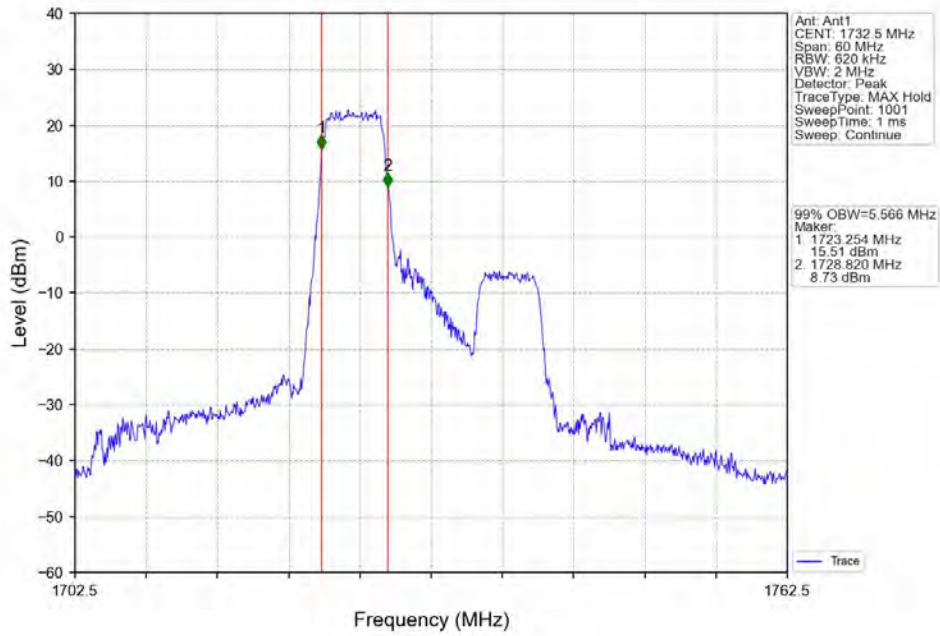
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



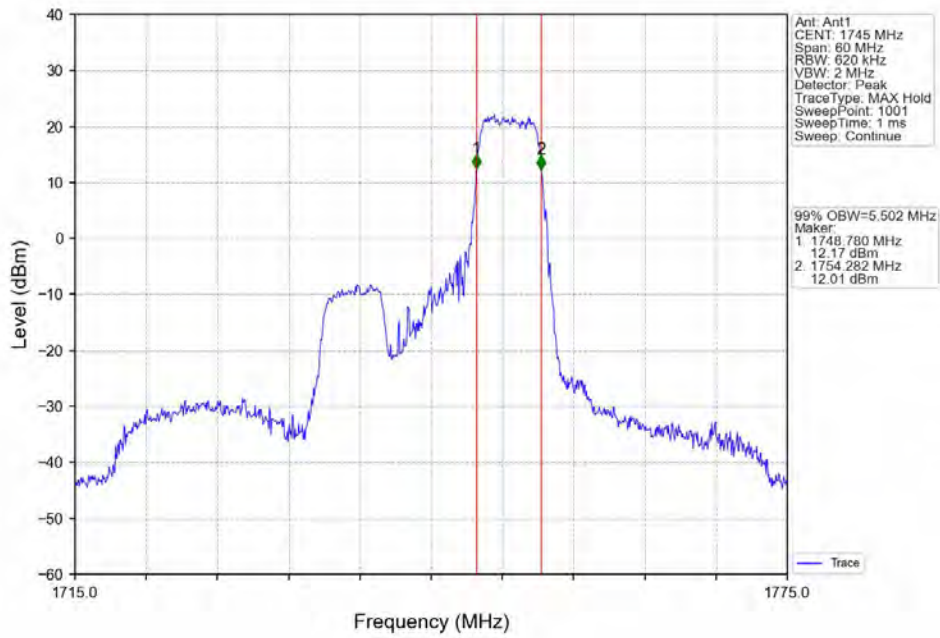
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_27\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_27\_73\_NTNV

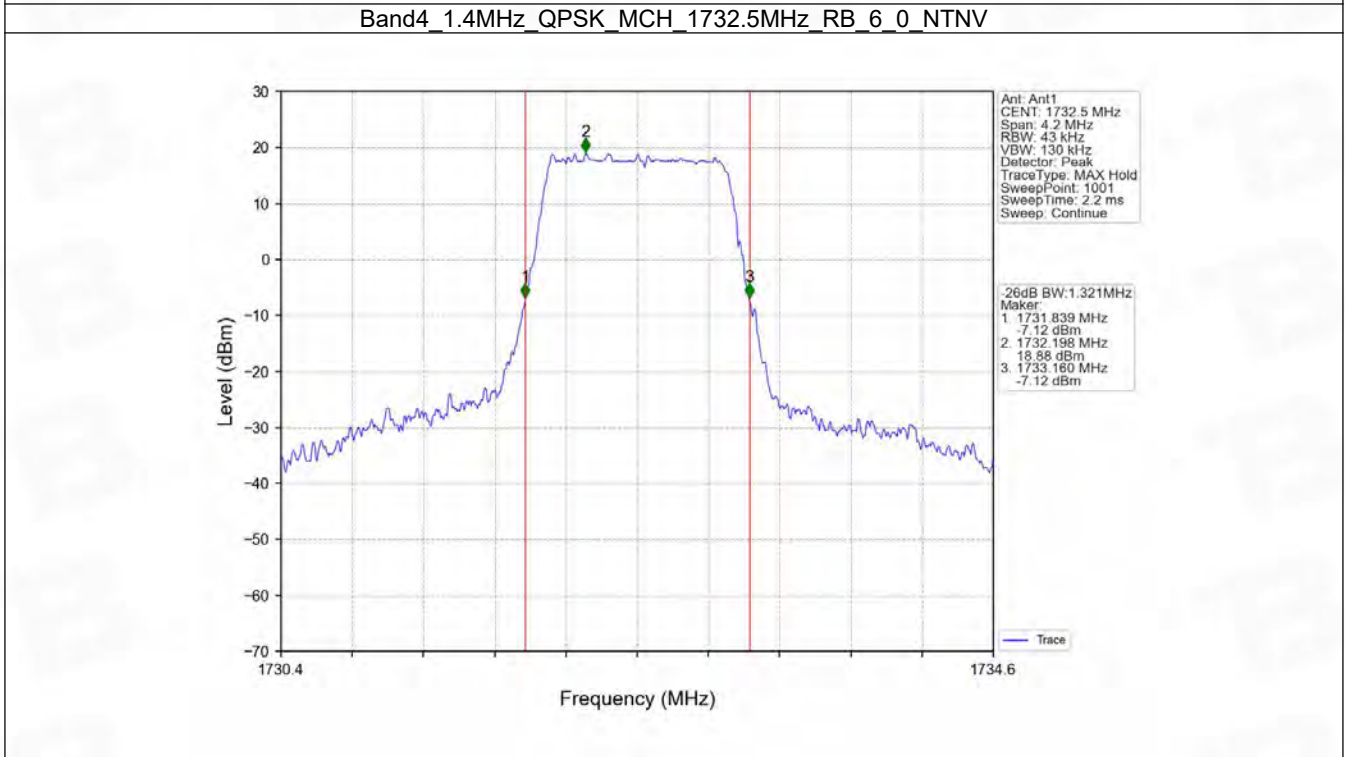
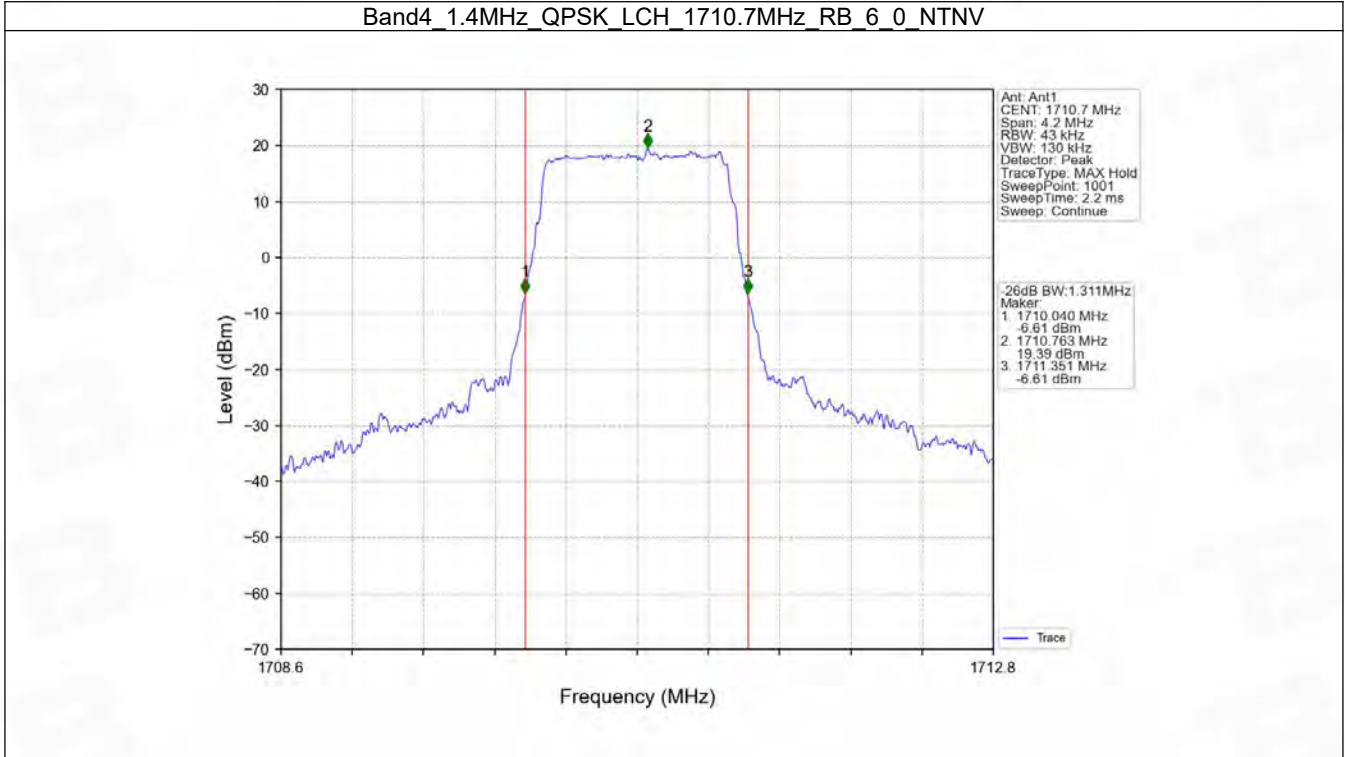


## 4.2 Band4\_XDB

### 4.2.1 Test Result

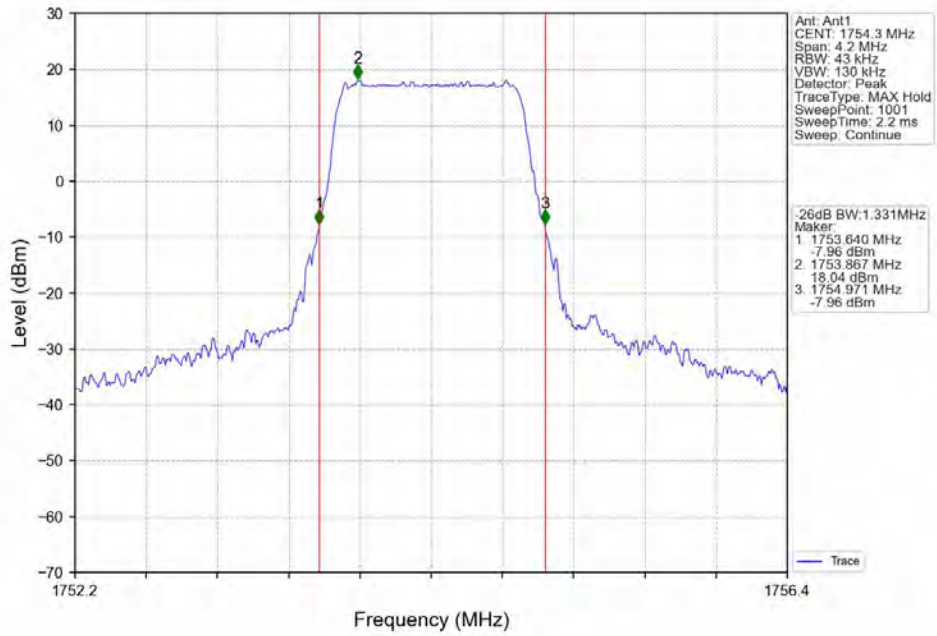
| Band: 4 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.311                | /     | Pass    |
|                 |            | 1732.5          | 6             | 0      | 1.321                | /     | Pass    |
|                 |            | 1754.3          | 6             | 0      | 1.331                | /     | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.319                | /     | Pass    |
|                 |            | 1732.5          | 6             | 0      | 1.298                | /     | Pass    |
|                 |            | 1754.3          | 6             | 0      | 1.332                | /     | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 3.057                | /     | Pass    |
|                 |            | 1732.5          | 15            | 0      | 3.038                | /     | Pass    |
|                 |            | 1753.5          | 15            | 0      | 3.038                | /     | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 3.049                | /     | Pass    |
|                 |            | 1732.5          | 15            | 0      | 3.043                | /     | Pass    |
|                 |            | 1753.5          | 15            | 0      | 3.060                | /     | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 5.086                | /     | Pass    |
|                 |            | 1732.5          | 25            | 0      | 5.055                | /     | Pass    |
|                 |            | 1752.5          | 25            | 0      | 5.082                | /     | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 5.079                | /     | Pass    |
|                 |            | 1732.5          | 25            | 0      | 5.081                | /     | Pass    |
|                 |            | 1752.5          | 25            | 0      | 5.042                | /     | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 10.021               | /     | Pass    |
|                 |            | 1732.5          | 50            | 0      | 10.018               | /     | Pass    |
|                 |            | 1750            | 50            | 0      | 10.171               | /     | Pass    |
|                 | 16QAM      | 1715            | 27            | 0      | 6.042                | /     | Pass    |
|                 |            | 1732.5          | 27            | 0      | 6.131                | /     | Pass    |
|                 |            | 1750            | 27            | 23     | 6.025                | /     | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 15.071               | /     | Pass    |
|                 |            | 1732.5          | 75            | 0      | 14.898               | /     | Pass    |
|                 |            | 1747.5          | 75            | 0      | 14.934               | /     | Pass    |
|                 | 16QAM      | 1717.5          | 27            | 0      | 13.497               | /     | Pass    |
|                 |            | 1732.5          | 27            | 0      | 7.002                | /     | Pass    |
|                 |            | 1747.5          | 27            | 48     | 6.360                | /     | Pass    |
| 20              | QPSK       | 1720            | 100           | 0      | 19.749               | /     | Pass    |
|                 |            | 1732.5          | 100           | 0      | 19.758               | /     | Pass    |
|                 |            | 1745            | 100           | 0      | 19.689               | /     | Pass    |
|                 | 16QAM      | 1720            | 27            | 0      | 16.074               | /     | Pass    |
|                 |            | 1732.5          | 27            | 0      | 7.301                | /     | Pass    |
|                 |            | 1745            | 27            | 73     | 7.398                | /     | Pass    |

### 4.2.2 Test Graph

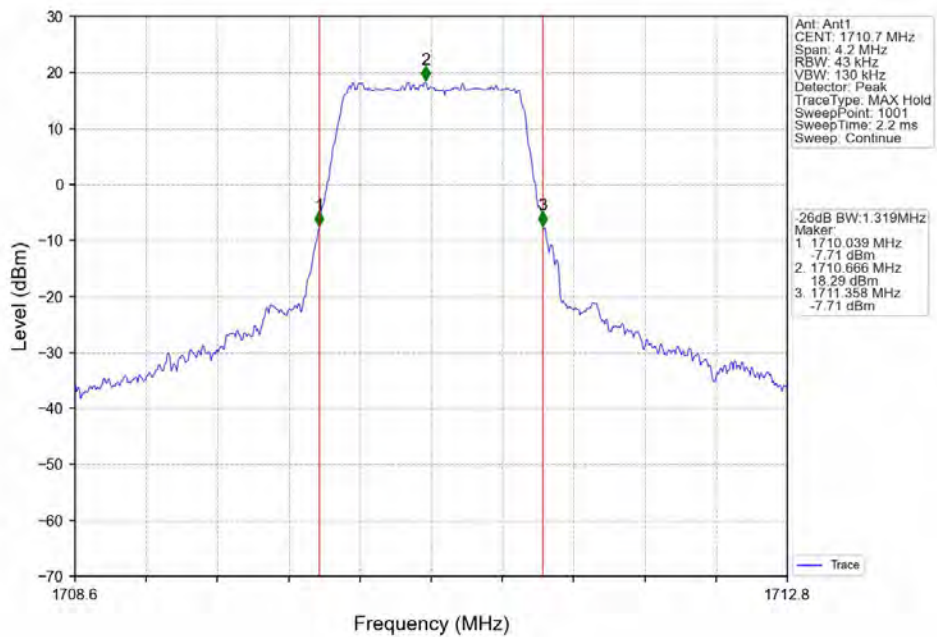




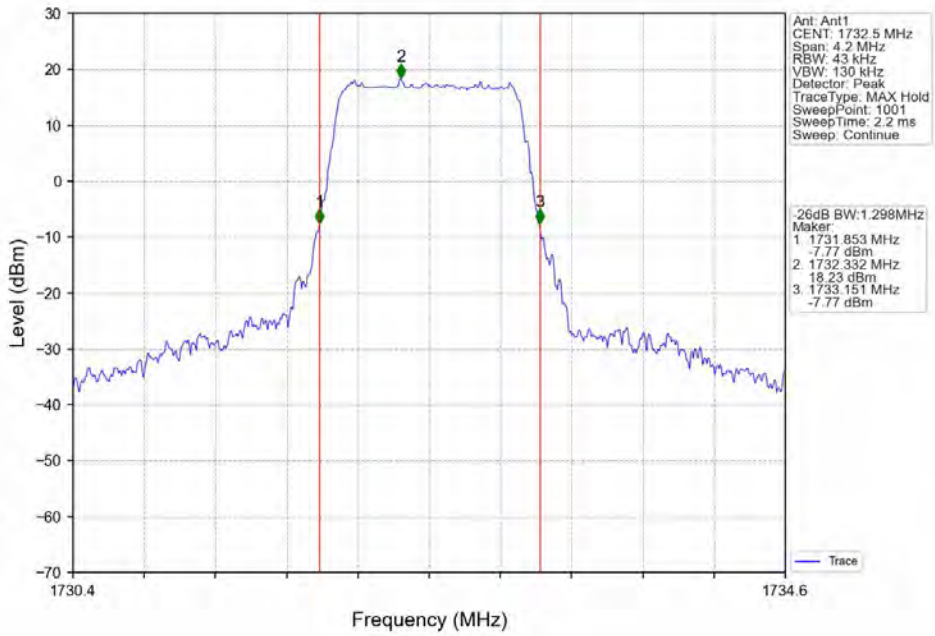
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



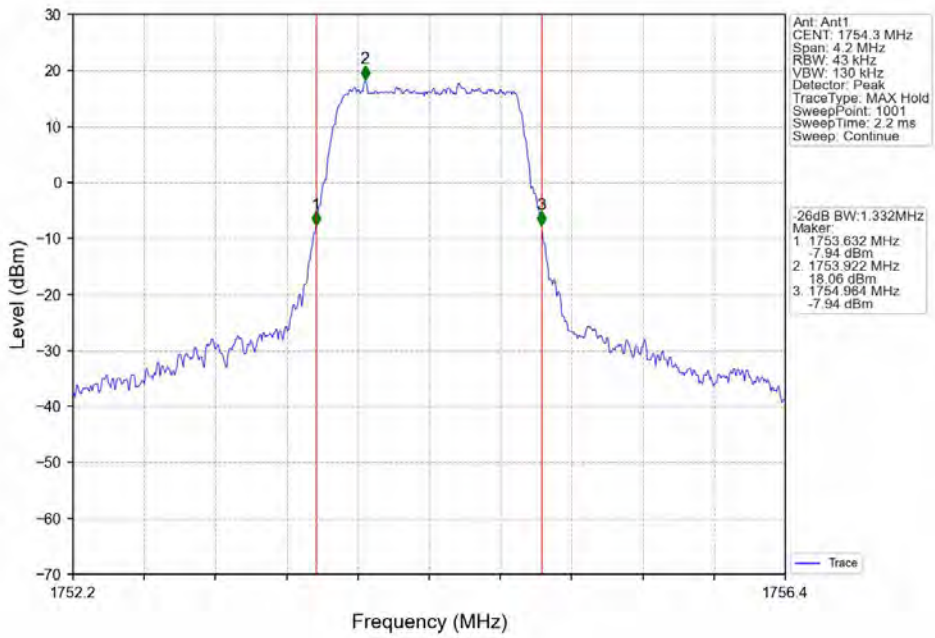
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



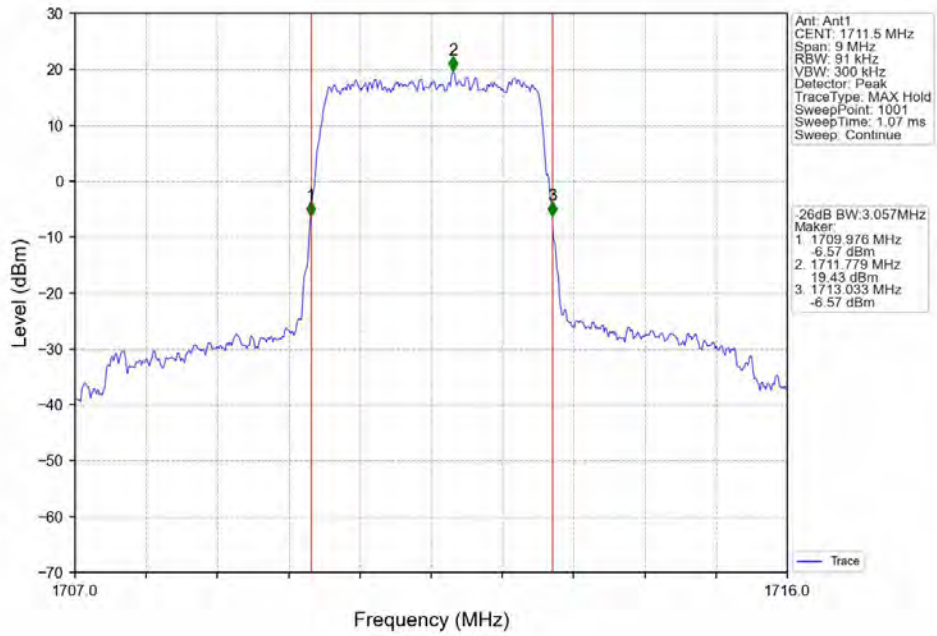
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



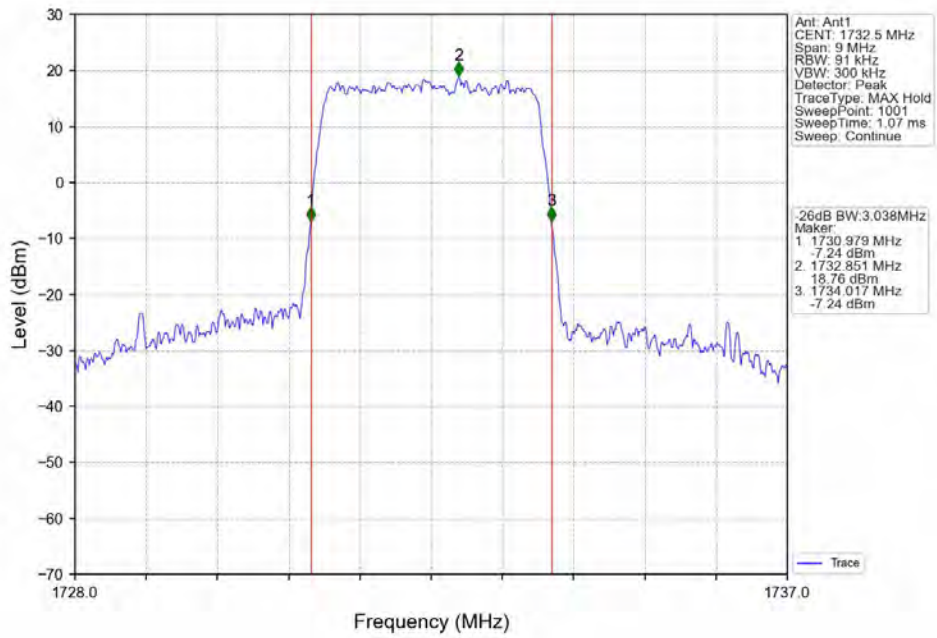
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



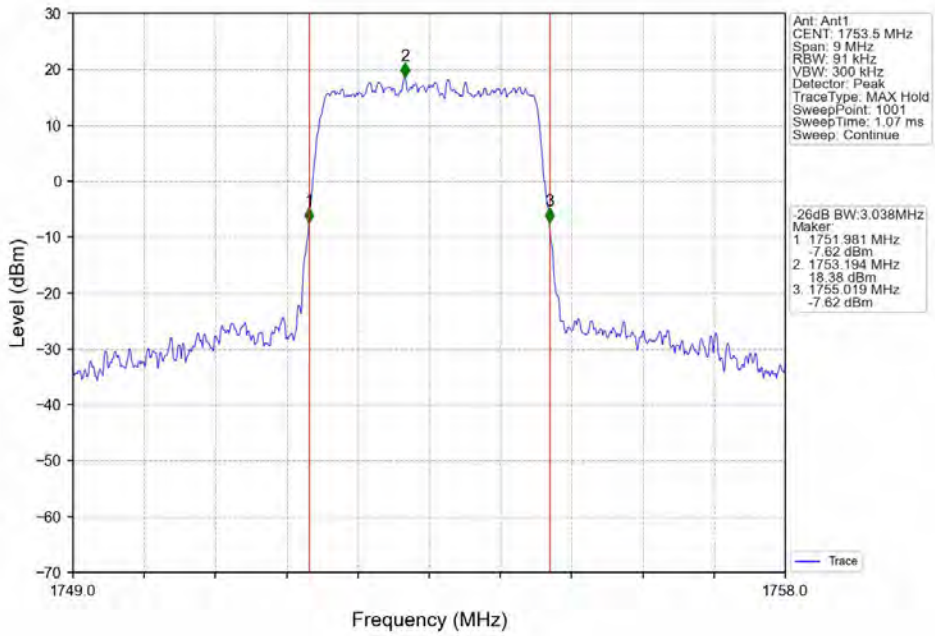
Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



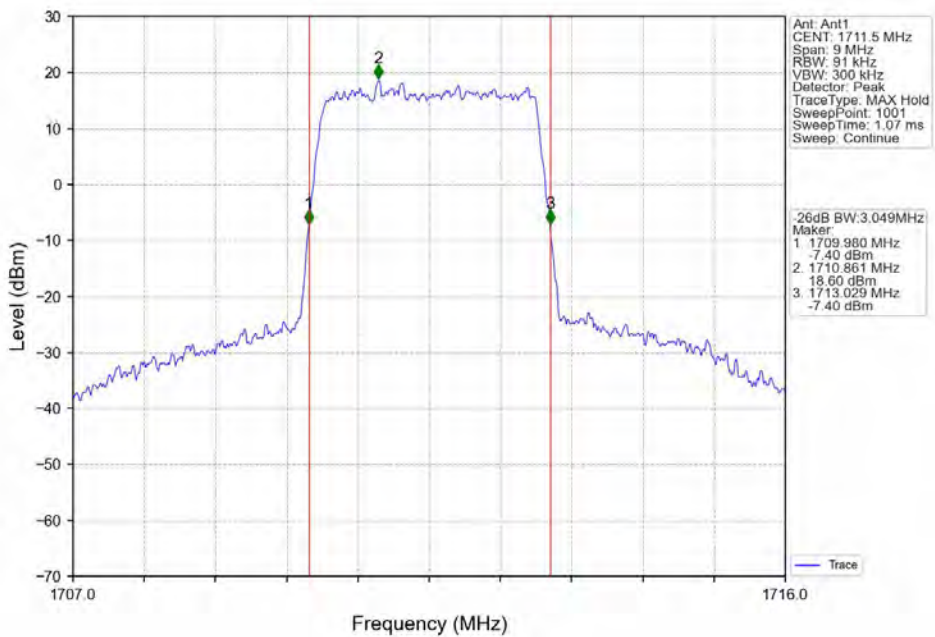
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



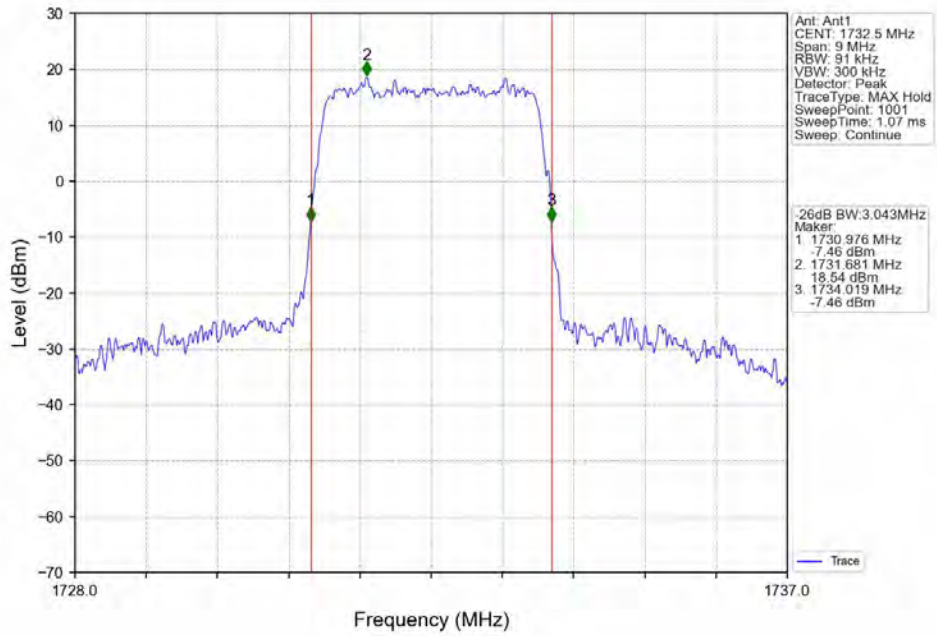
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



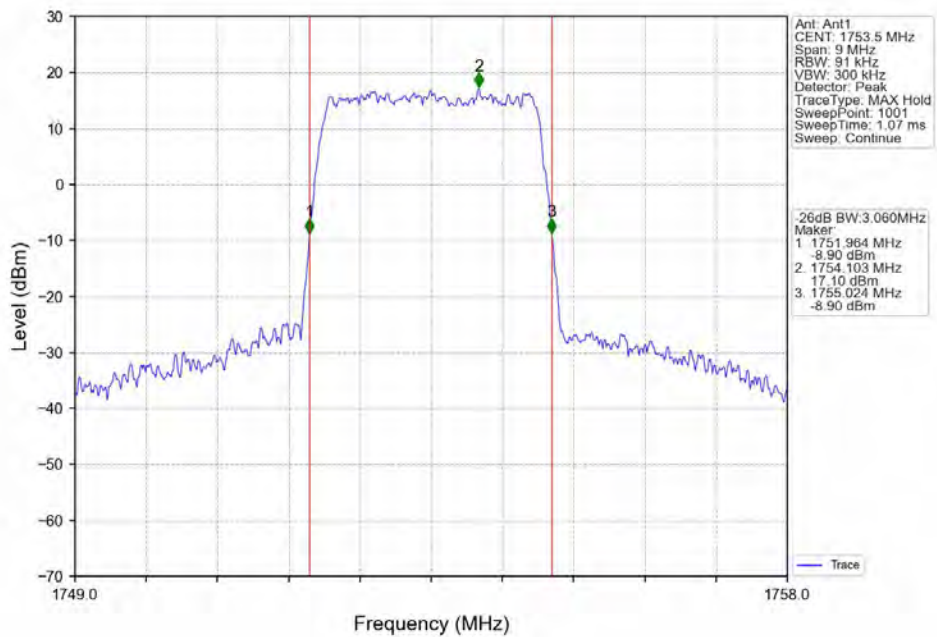
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



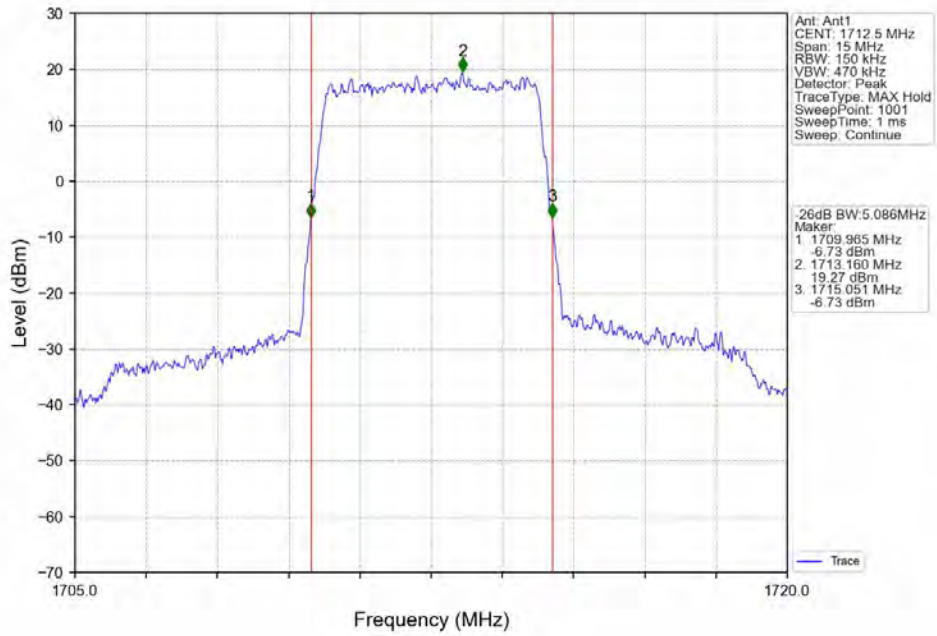
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



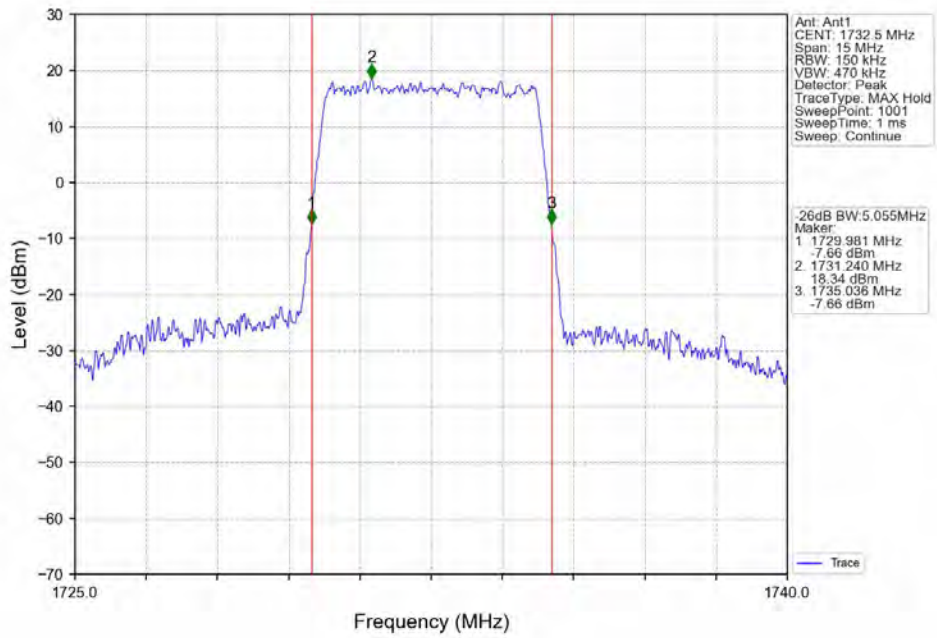
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



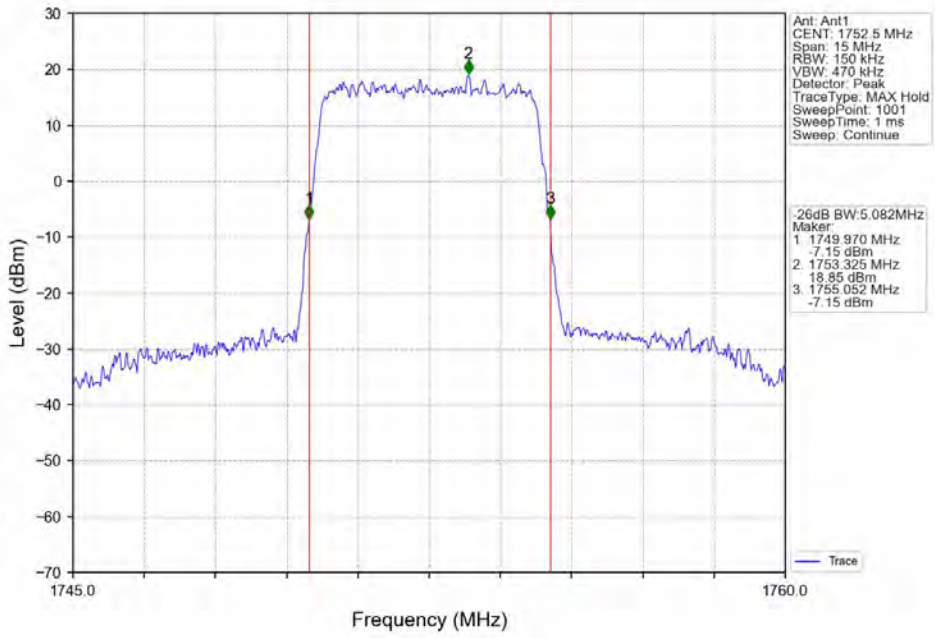
Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



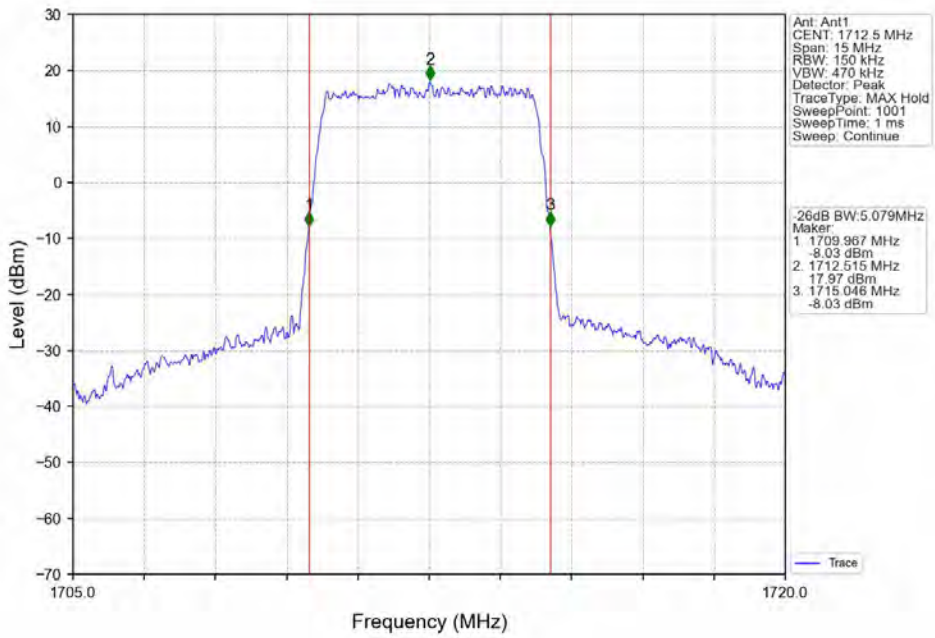
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



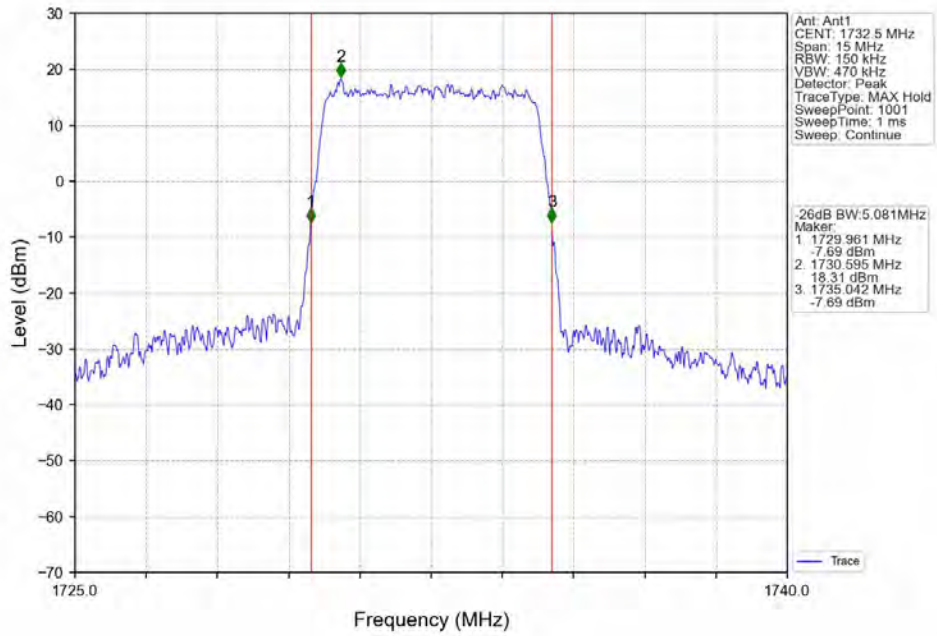
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



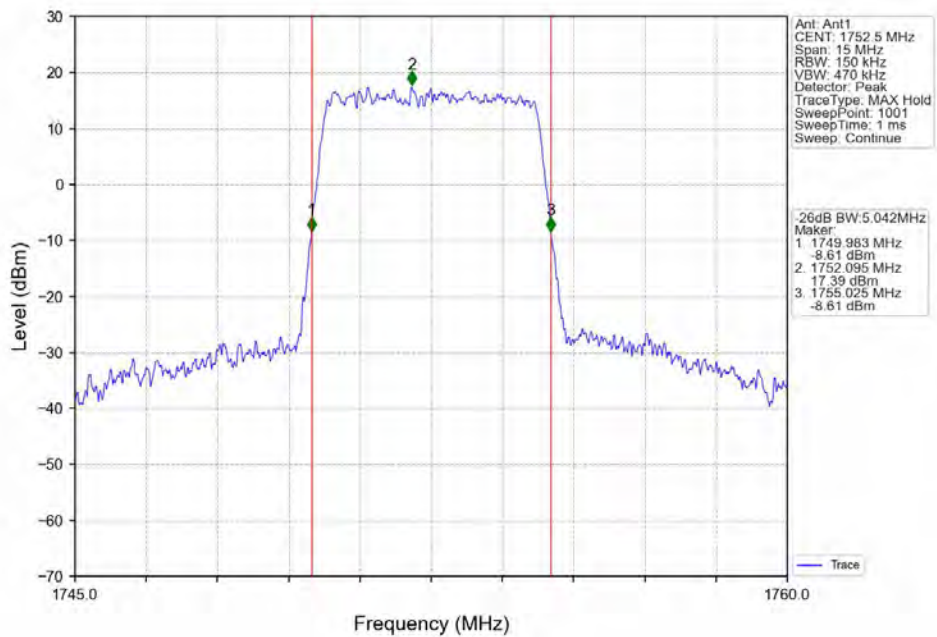
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



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

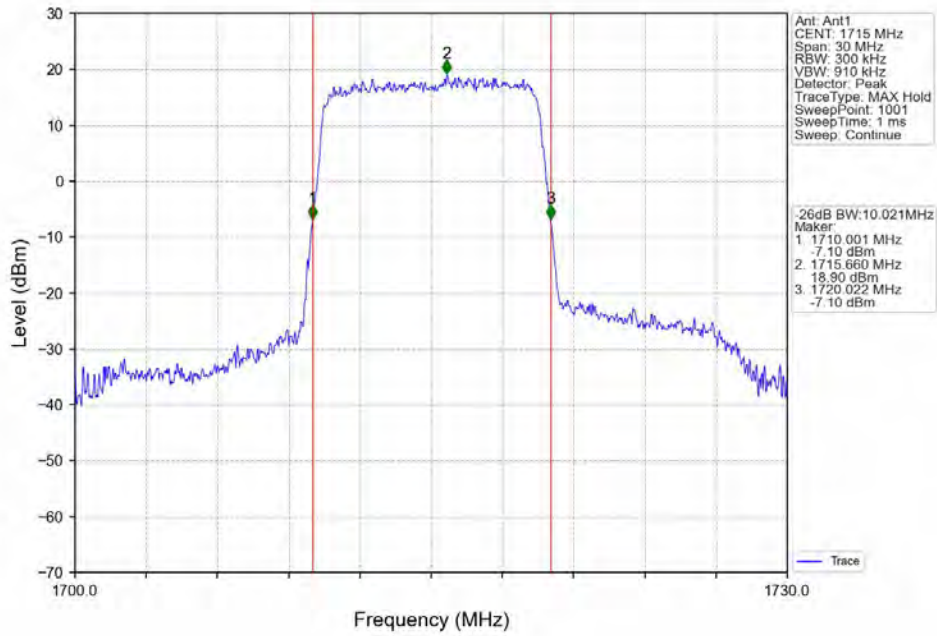


Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

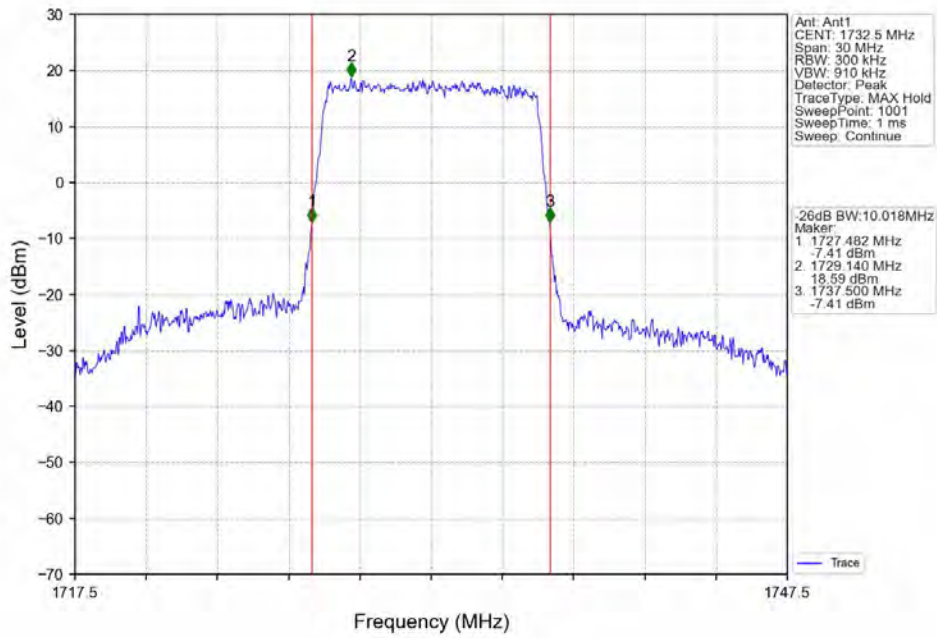




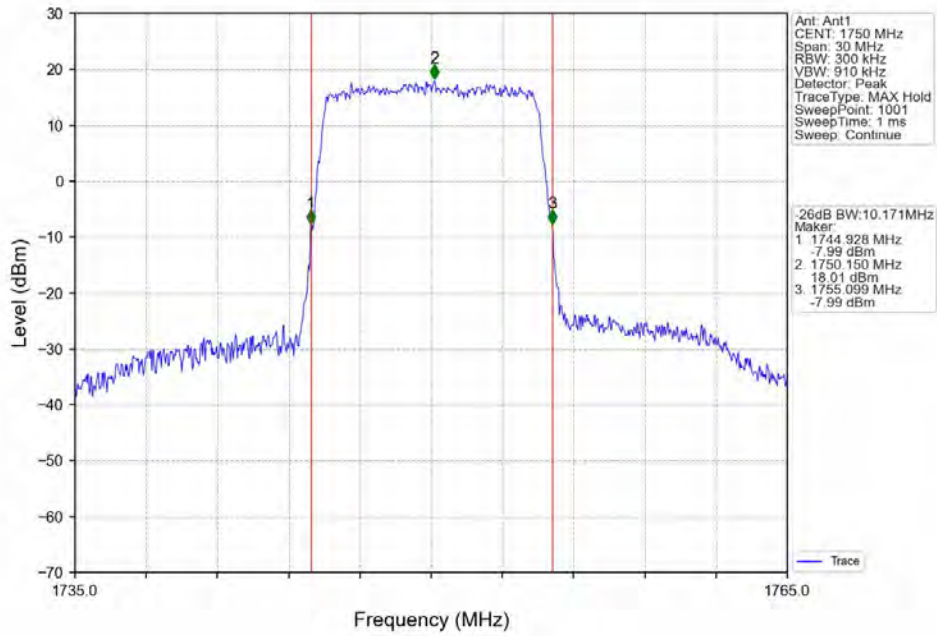
Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



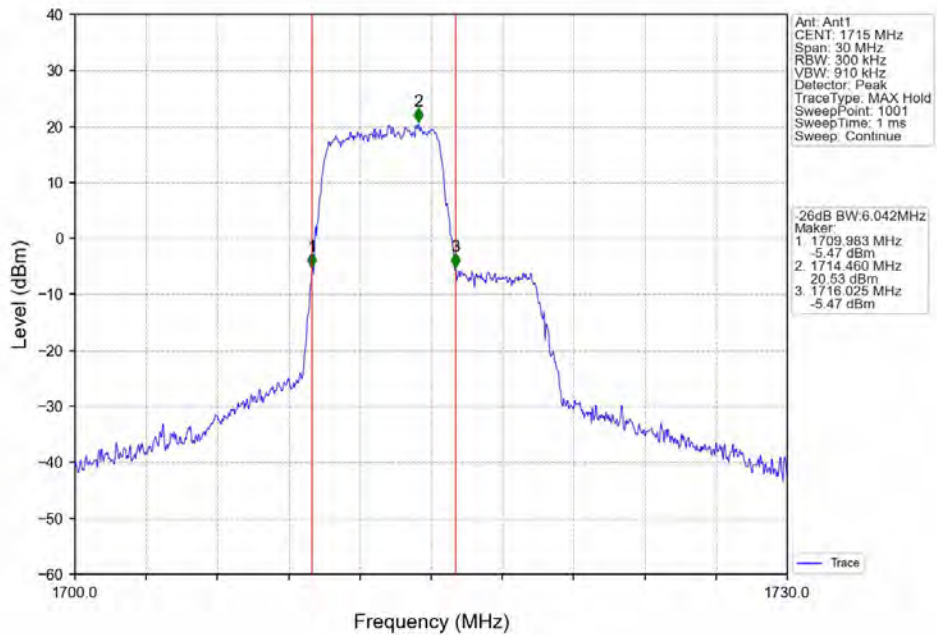
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



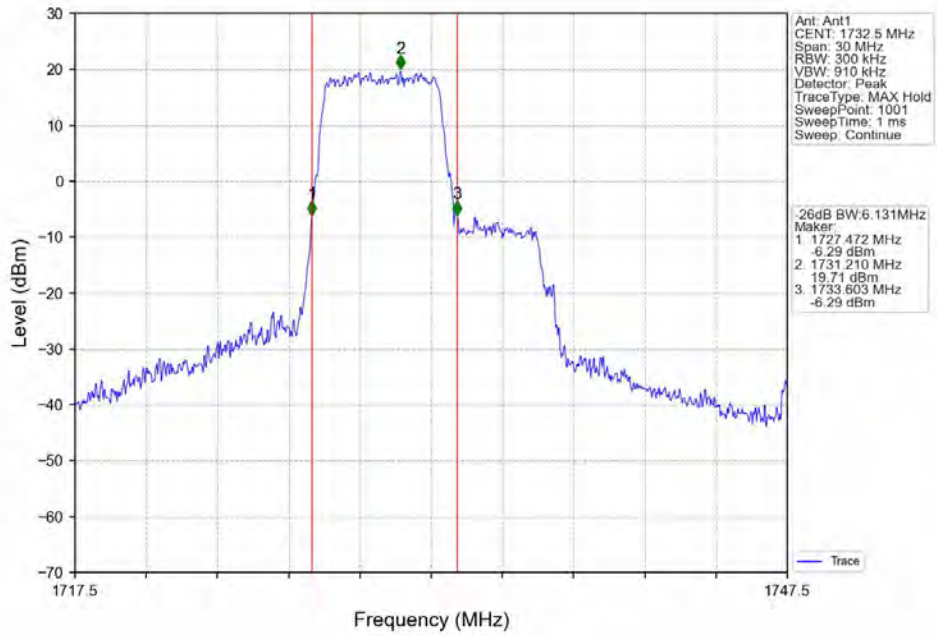
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



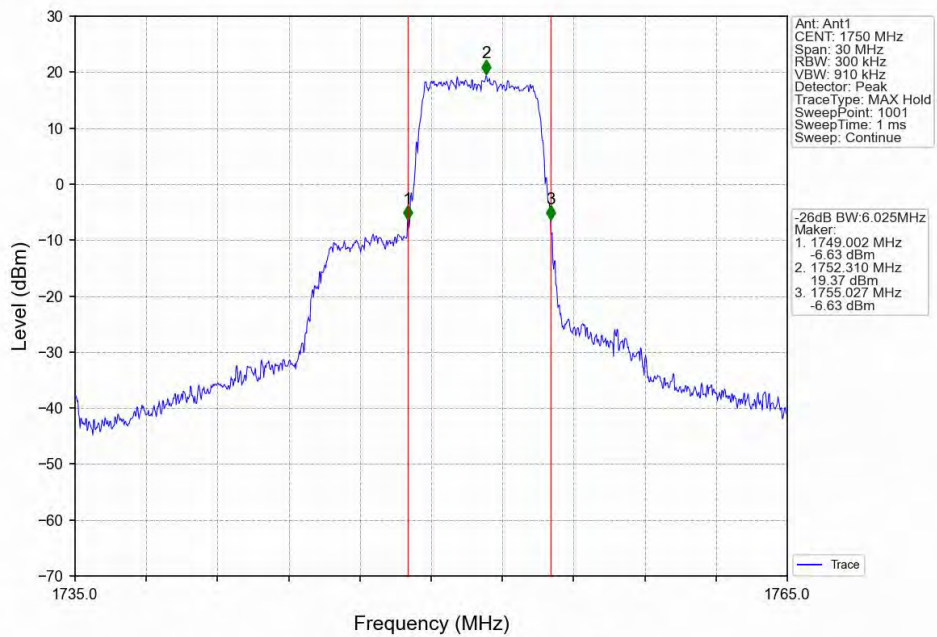
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_27\_0\_NTNV



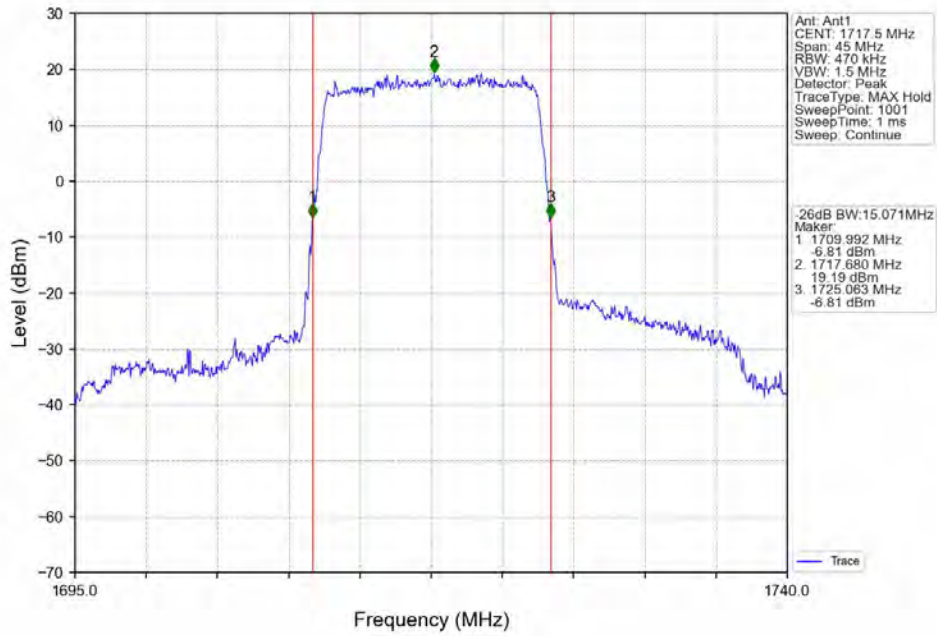
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



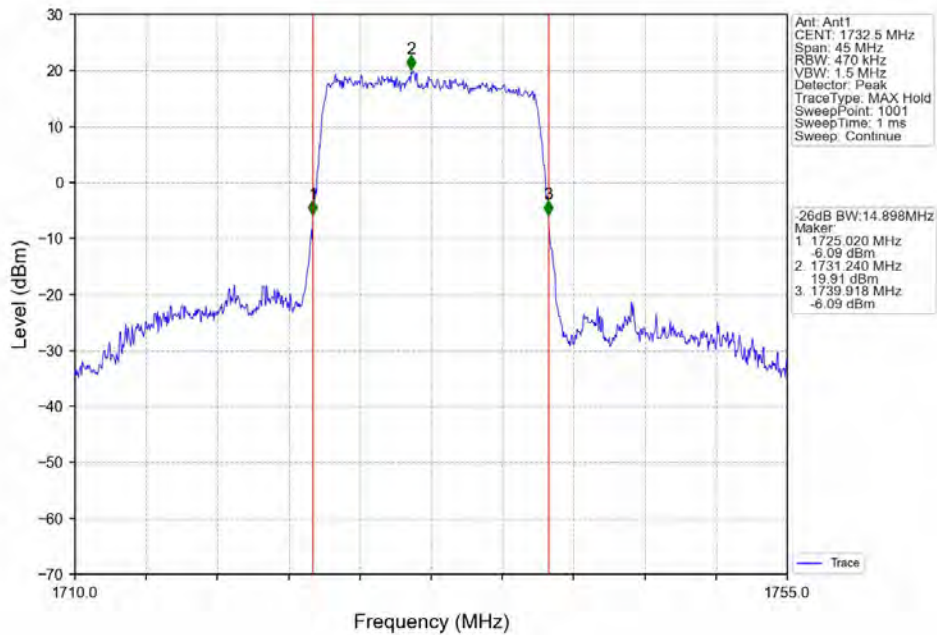
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_27\_23\_NTNV



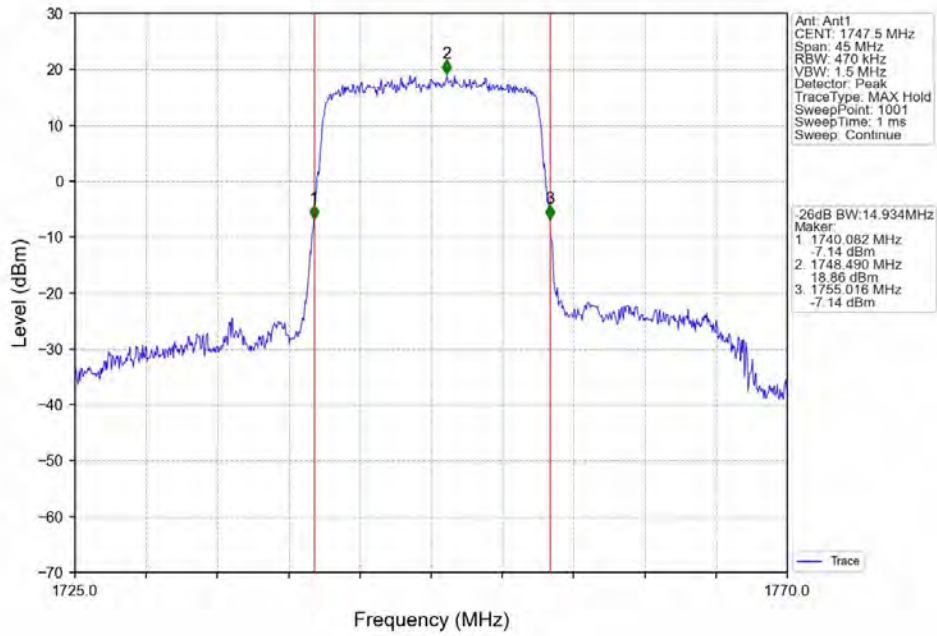
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



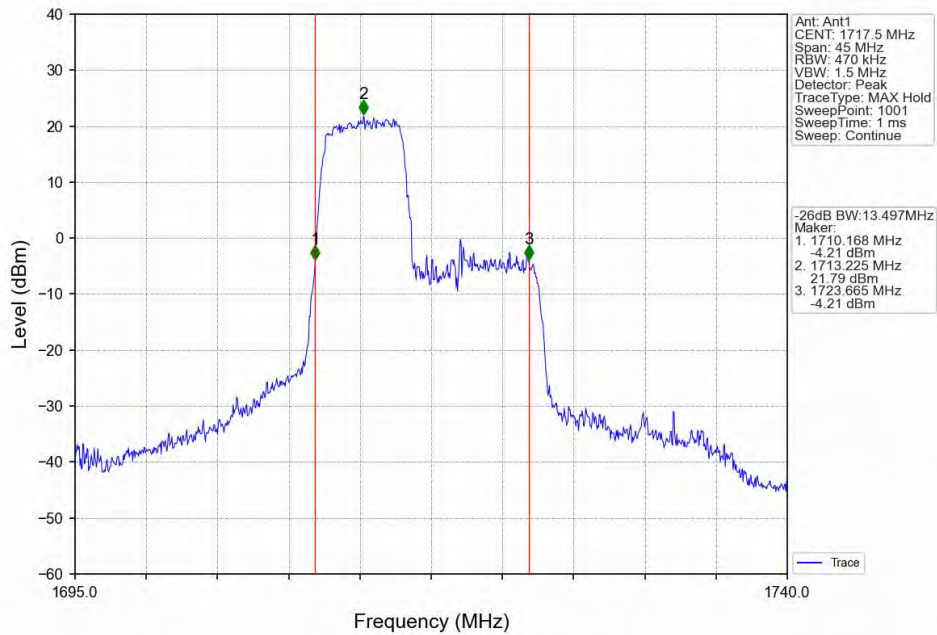
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



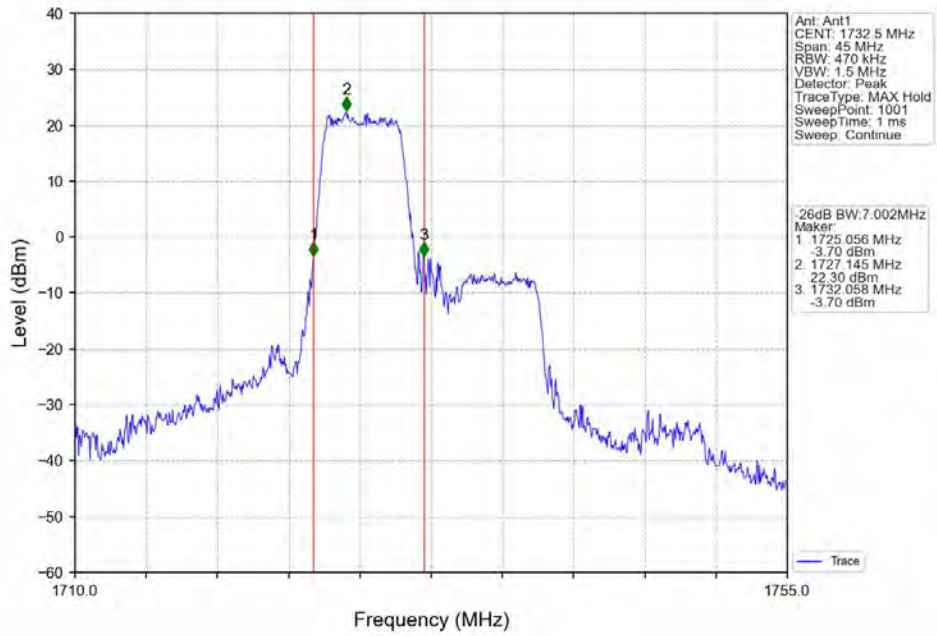
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



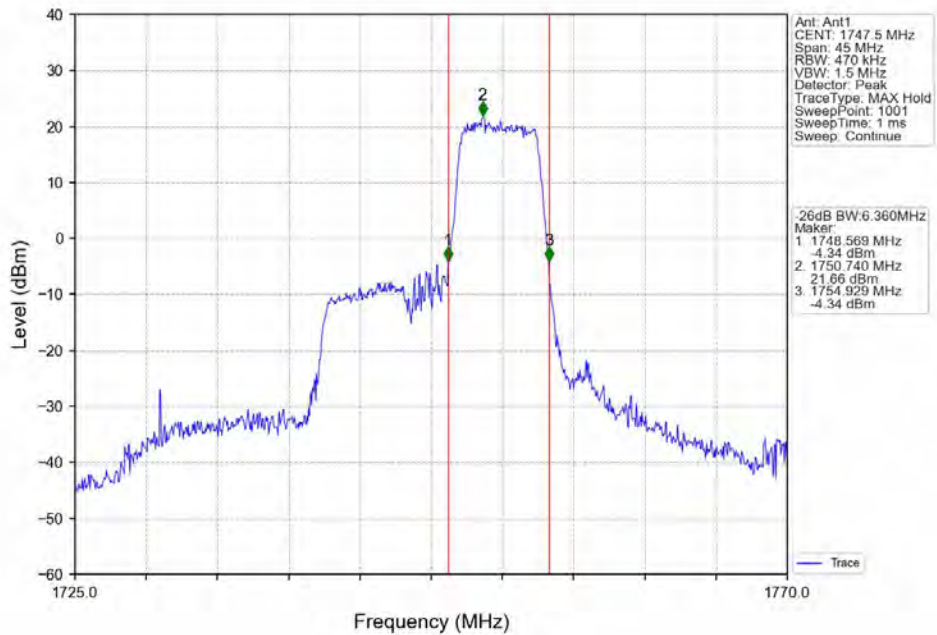
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_27\_0\_NTNV



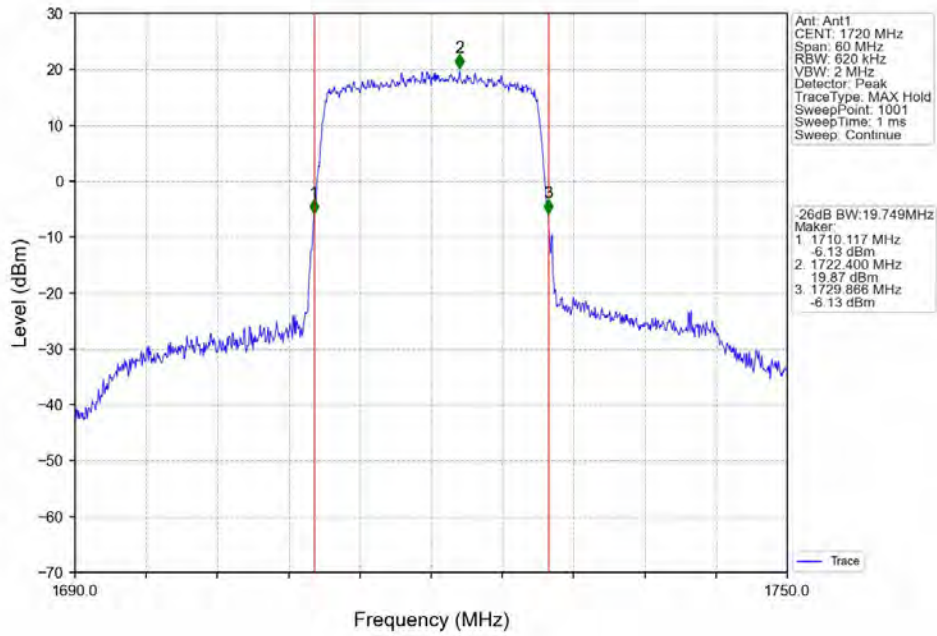
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



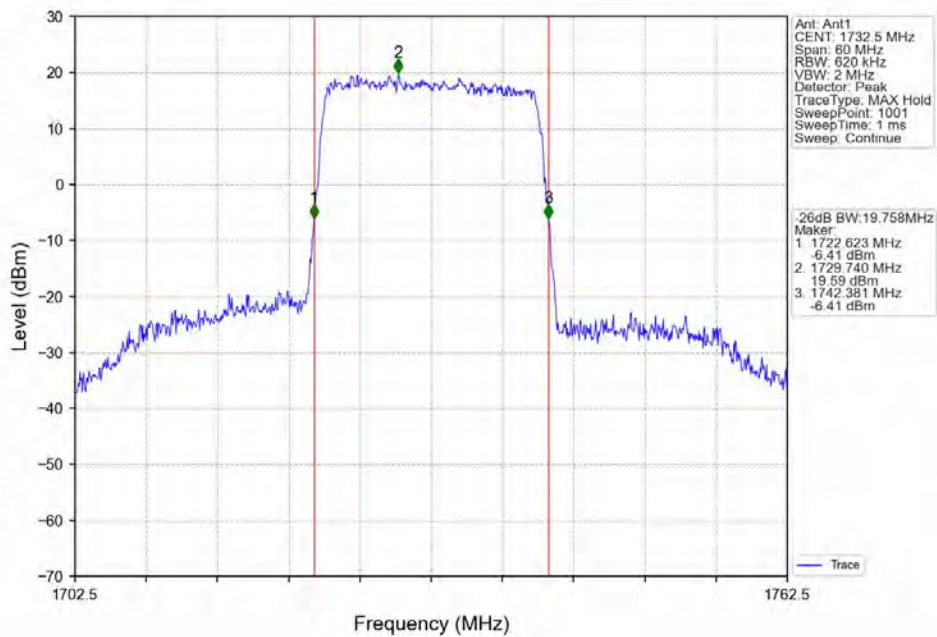
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_27\_48\_NTNV



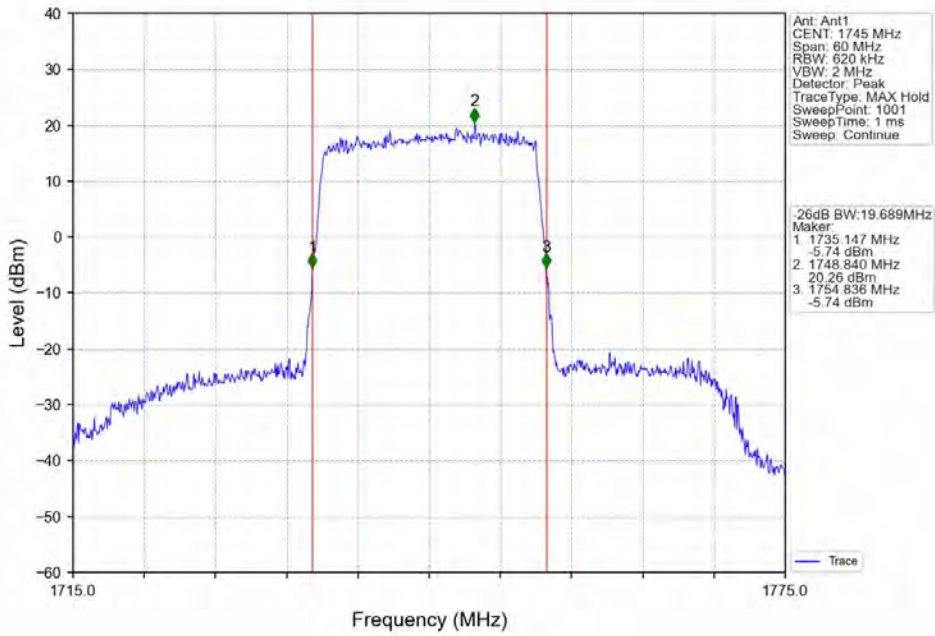
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



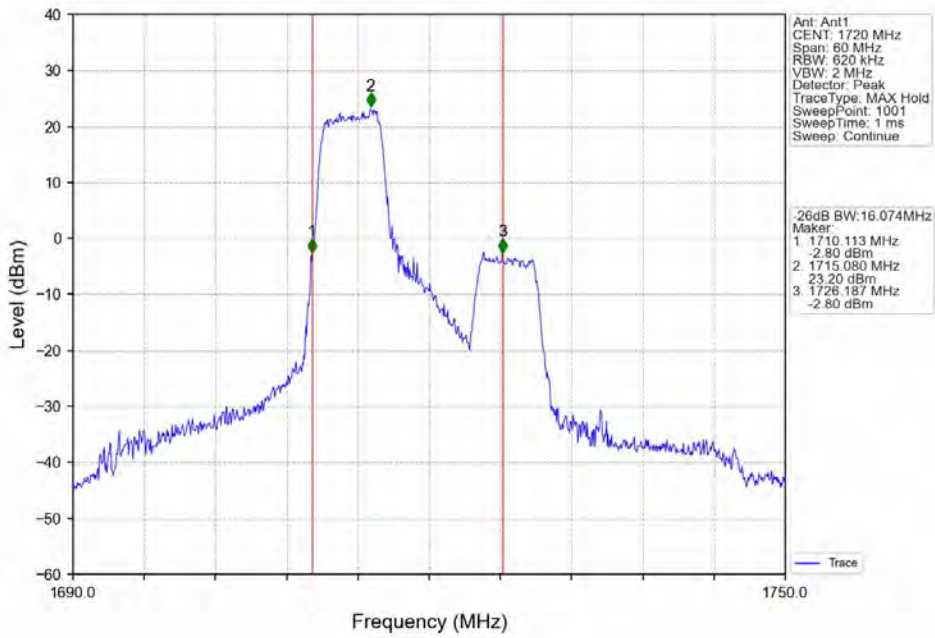
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV

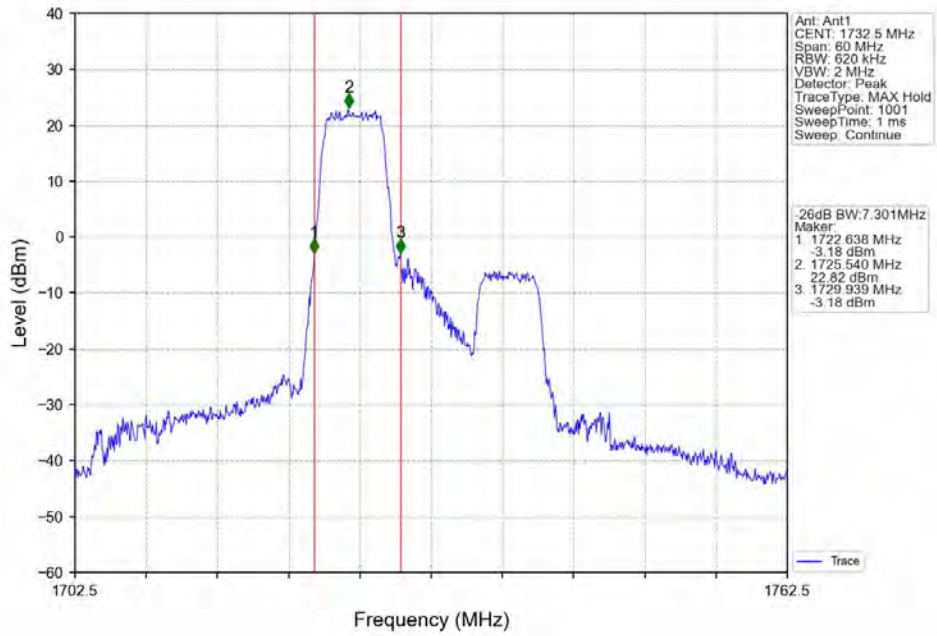


Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_27\_0\_NTNV

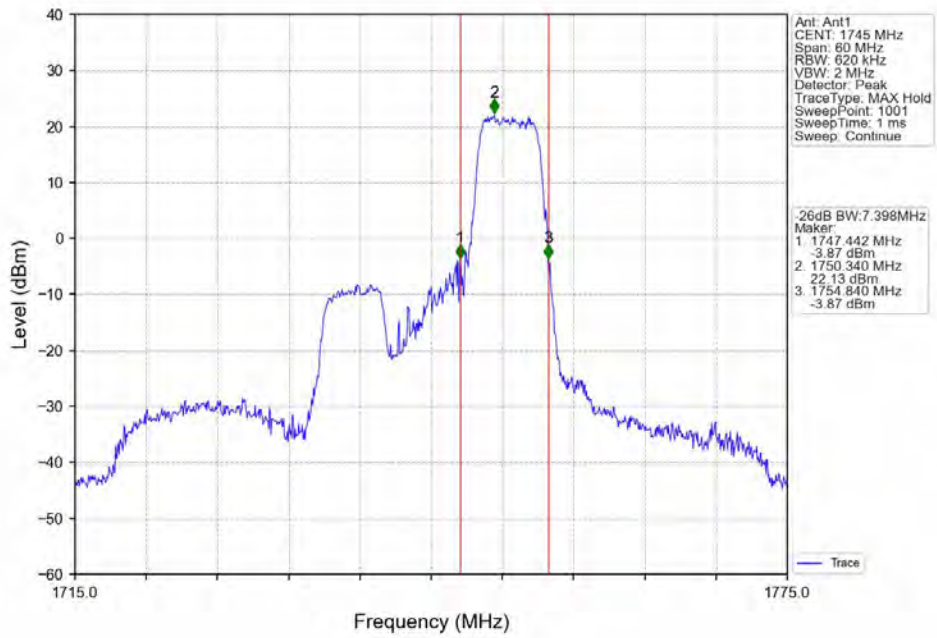




Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_27\_73\_NTNV



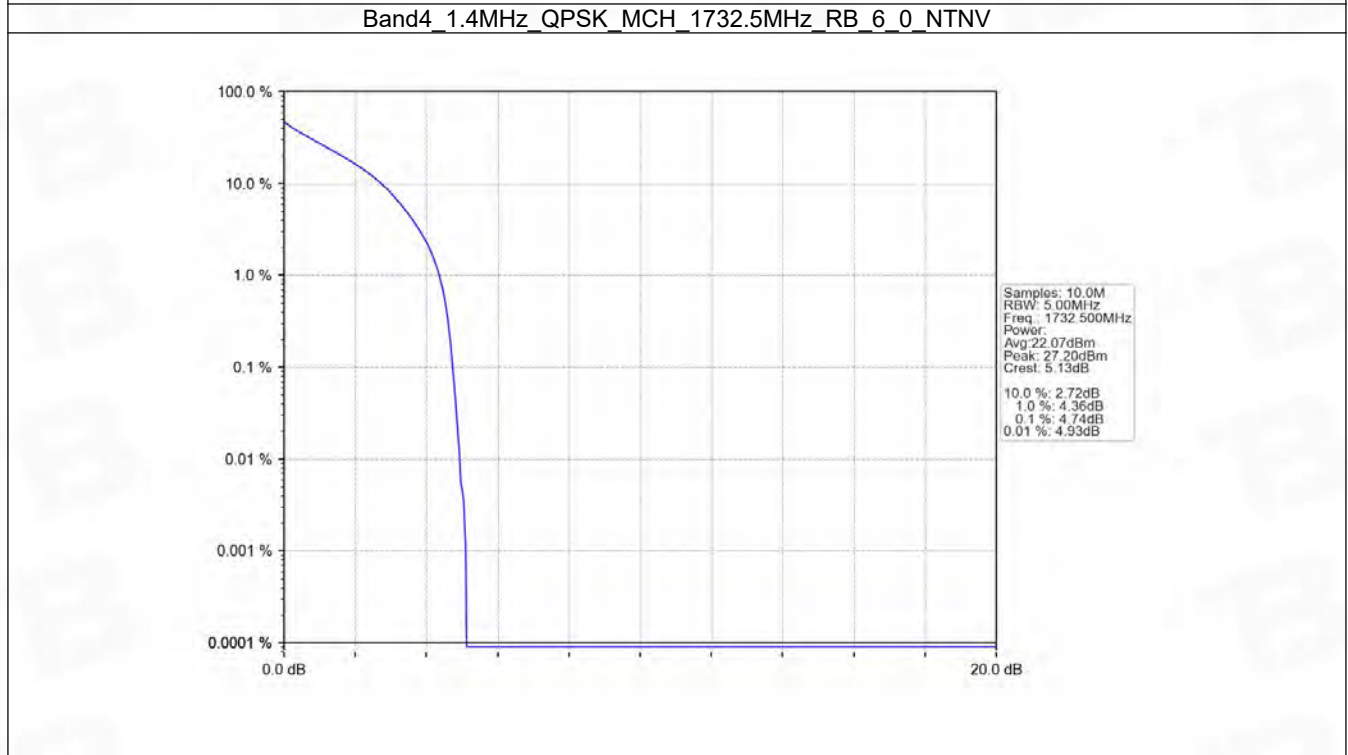
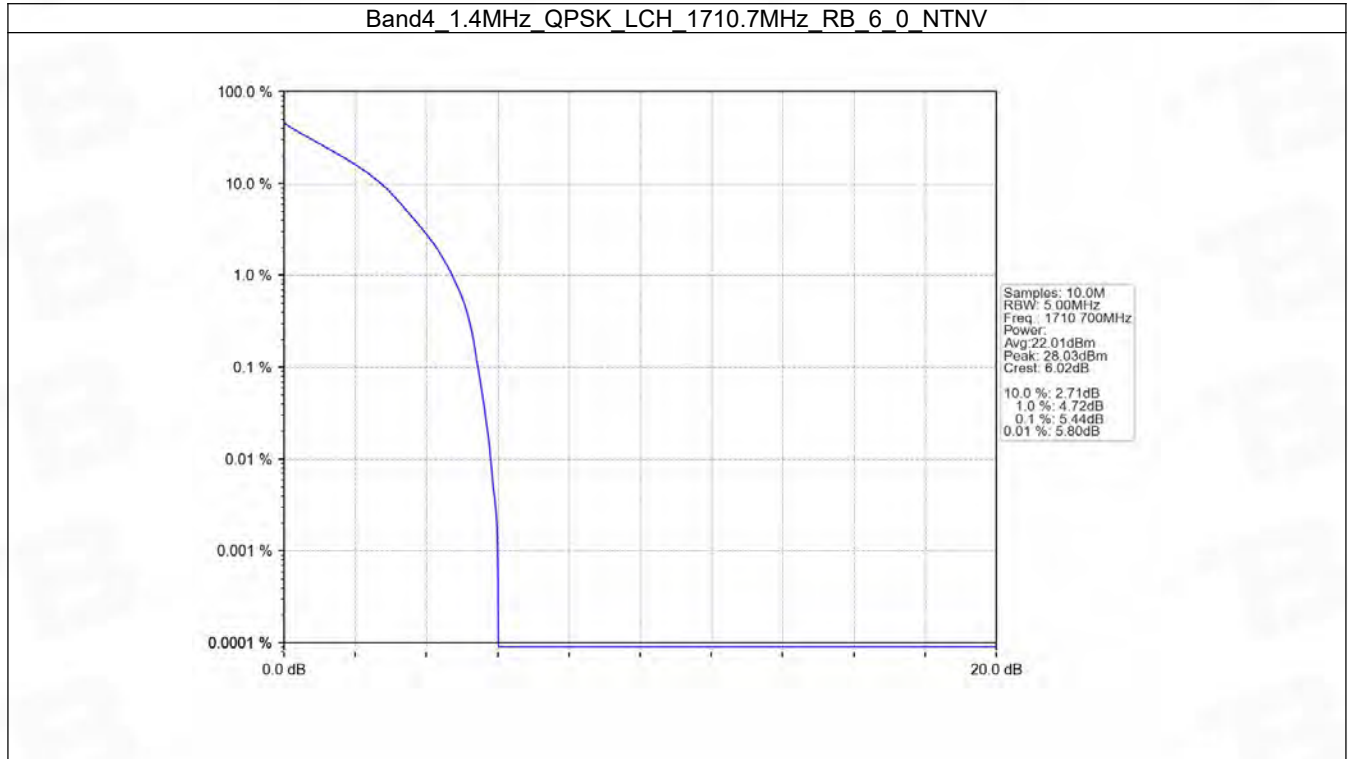
## 5. Peak-Average Ratio

### 5.1 B4\_1.4MHz

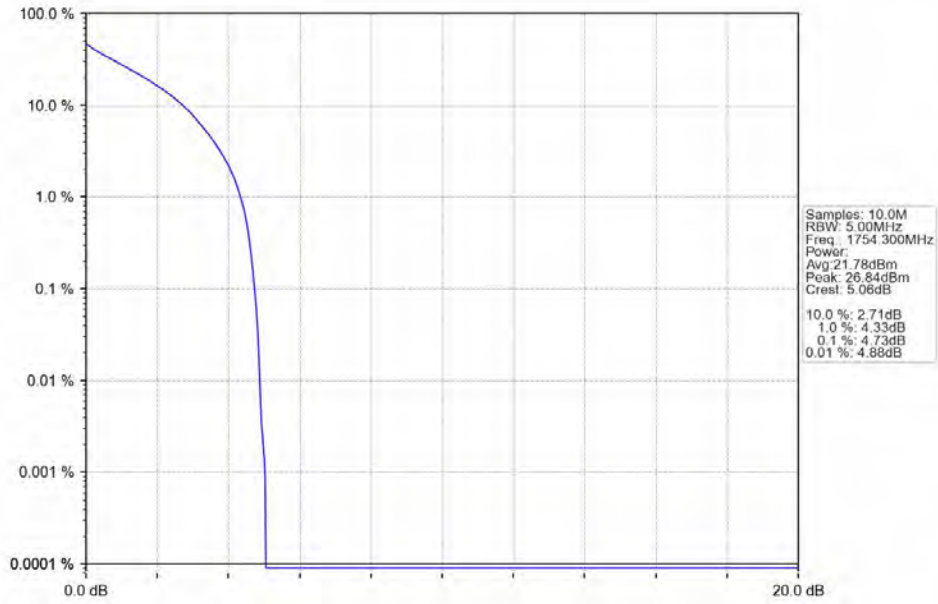
#### 5.1.1 Test Result

| Band: 4 / Bandwidth: 1.4MHz / NTV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1710.7          | 6             | 0      | 5.44                    | <=13  | Pass    |
|                                   | 1732.5          | 6             | 0      | 4.74                    | <=13  | Pass    |
|                                   | 1754.3          | 6             | 0      | 4.73                    | <=13  | Pass    |
| 16QAM                             | 1710.7          | 6             | 0      | 6.29                    | <=13  | Pass    |
|                                   | 1732.5          | 6             | 0      | 5.59                    | <=13  | Pass    |
|                                   | 1754.3          | 6             | 0      | 5.68                    | <=13  | Pass    |

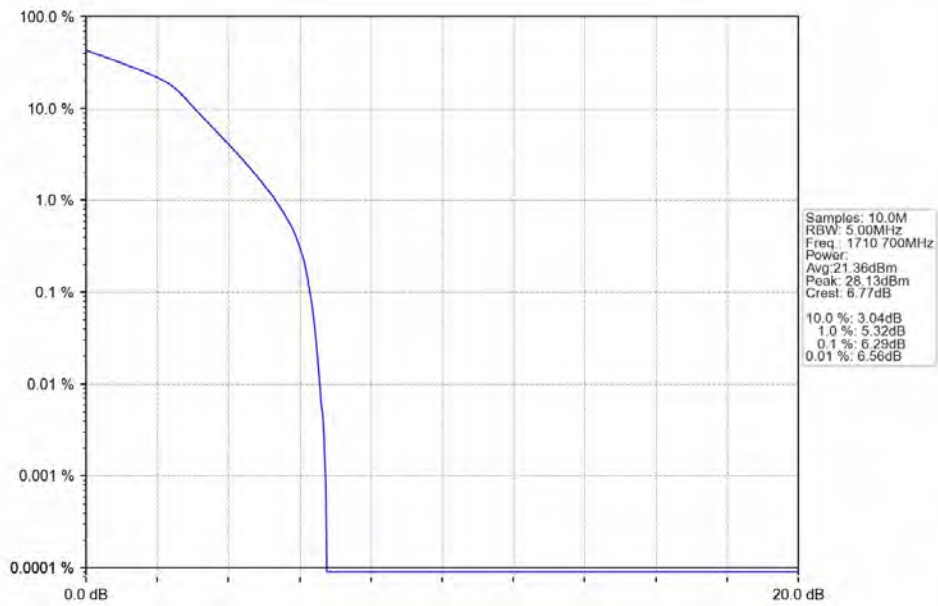
### 5.1.2 Test Graph



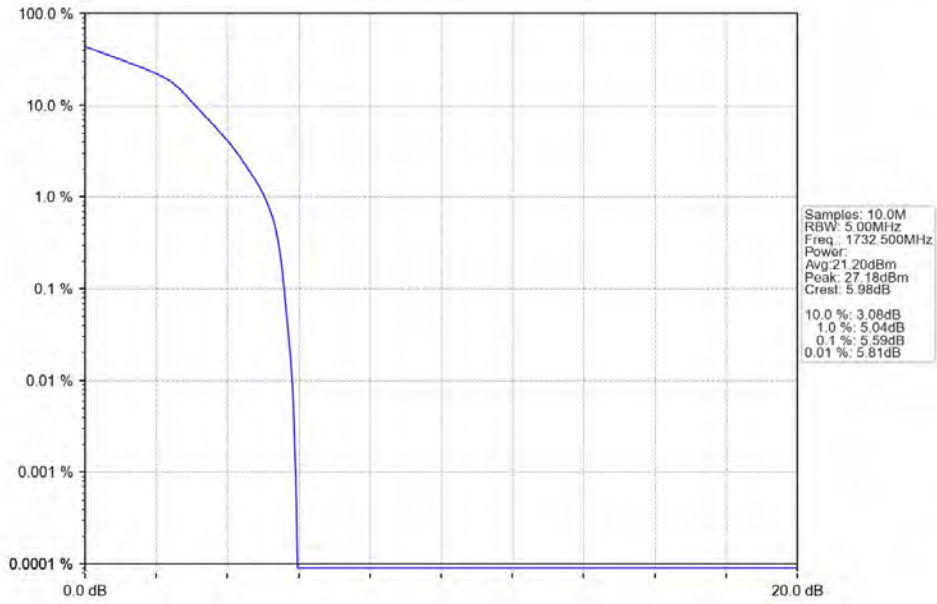
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



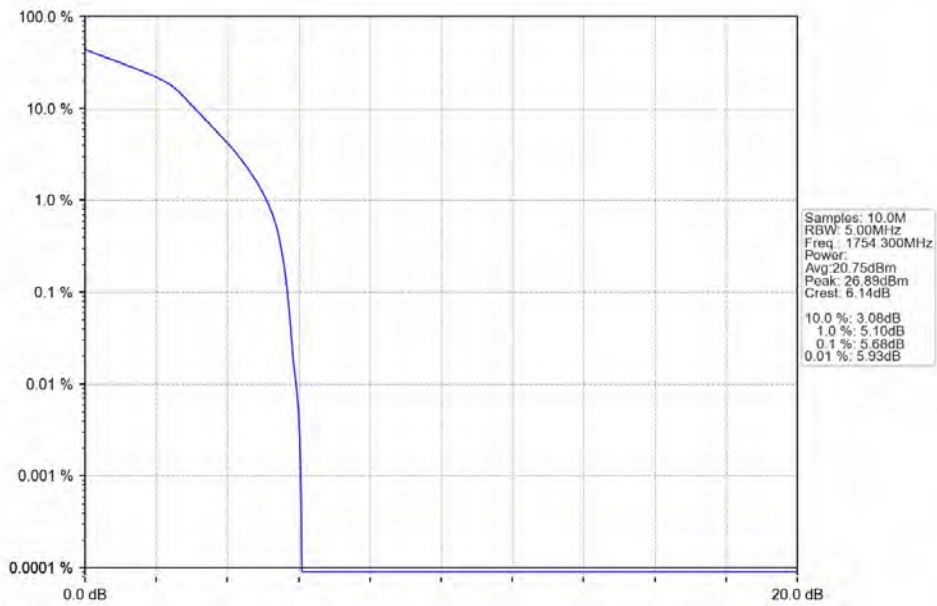
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV

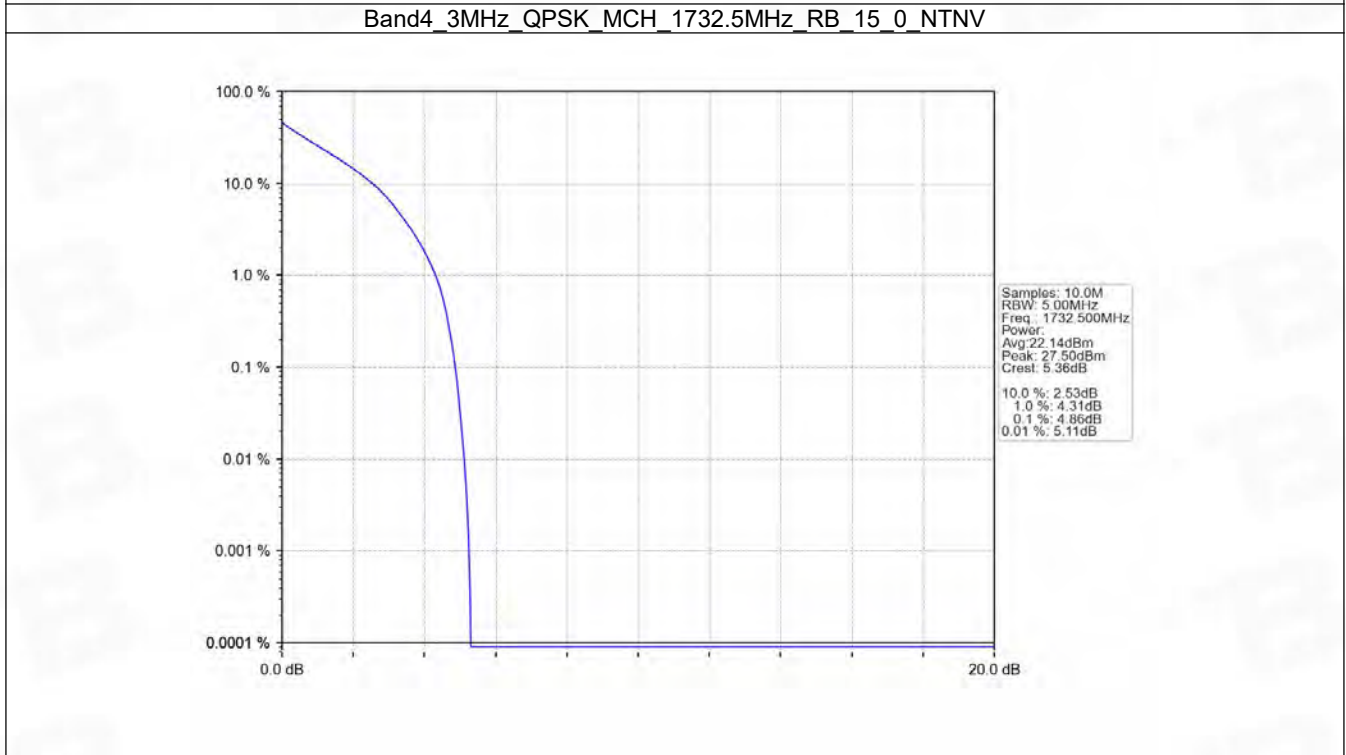
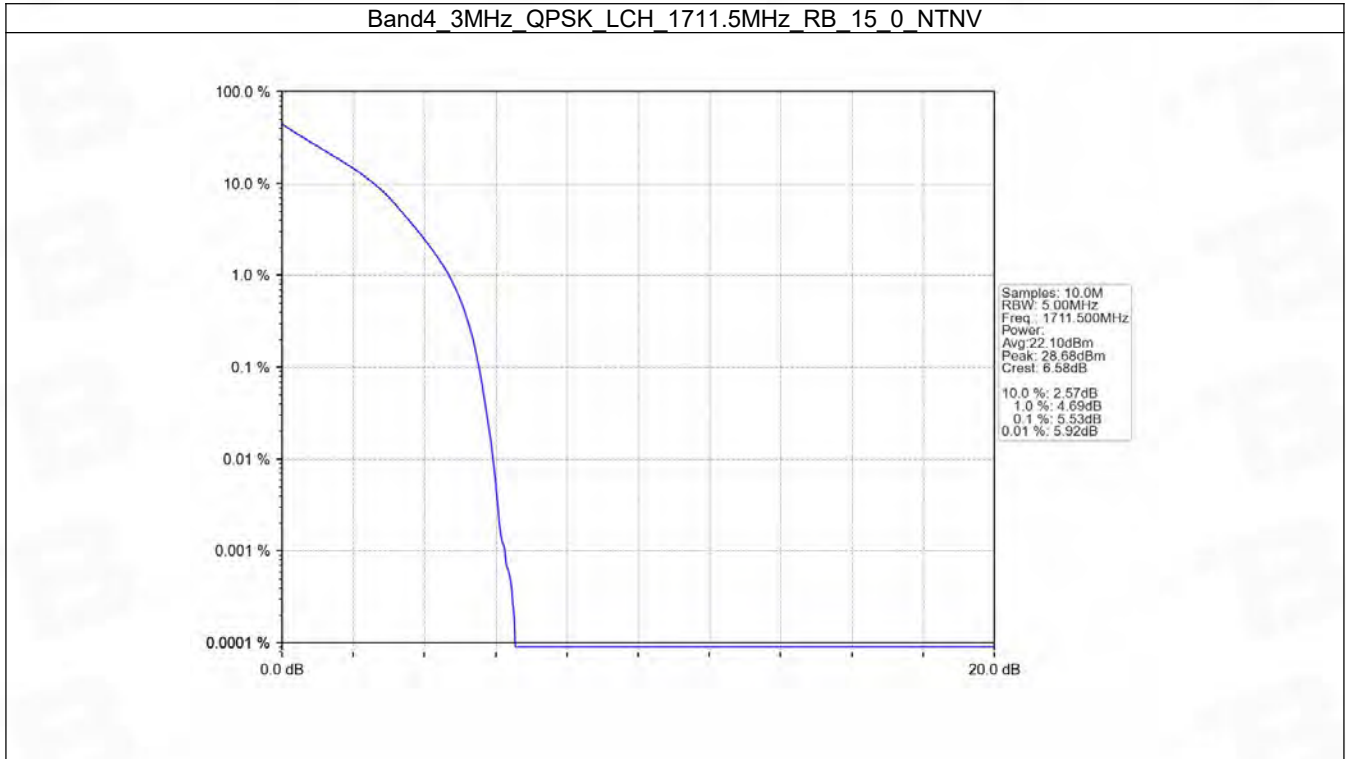


## 5.2 B4\_3MHz

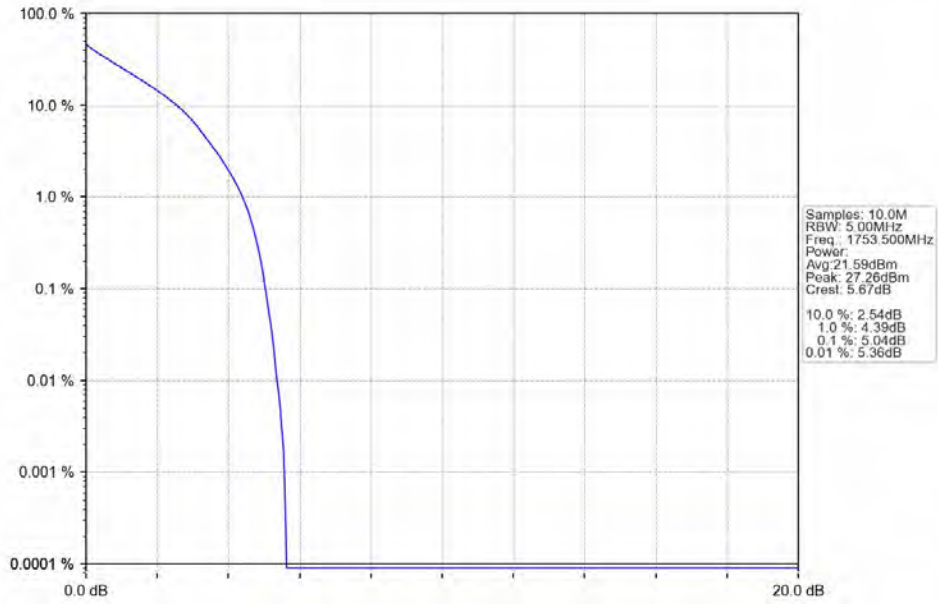
### 5.2.1 Test Result

| Band: 4 / Bandwidth: 3MHz / NTN |                 |               |        |                         |       |         |
|---------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                 |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                            | 1711.5          | 15            | 0      | 5.53                    | <=13  | Pass    |
|                                 | 1732.5          | 15            | 0      | 4.86                    | <=13  | Pass    |
|                                 | 1753.5          | 15            | 0      | 5.04                    | <=13  | Pass    |
| 16QAM                           | 1711.5          | 15            | 0      | 6.42                    | <=13  | Pass    |
|                                 | 1732.5          | 15            | 0      | 5.81                    | <=13  | Pass    |
|                                 | 1753.5          | 15            | 0      | 5.91                    | <=13  | Pass    |

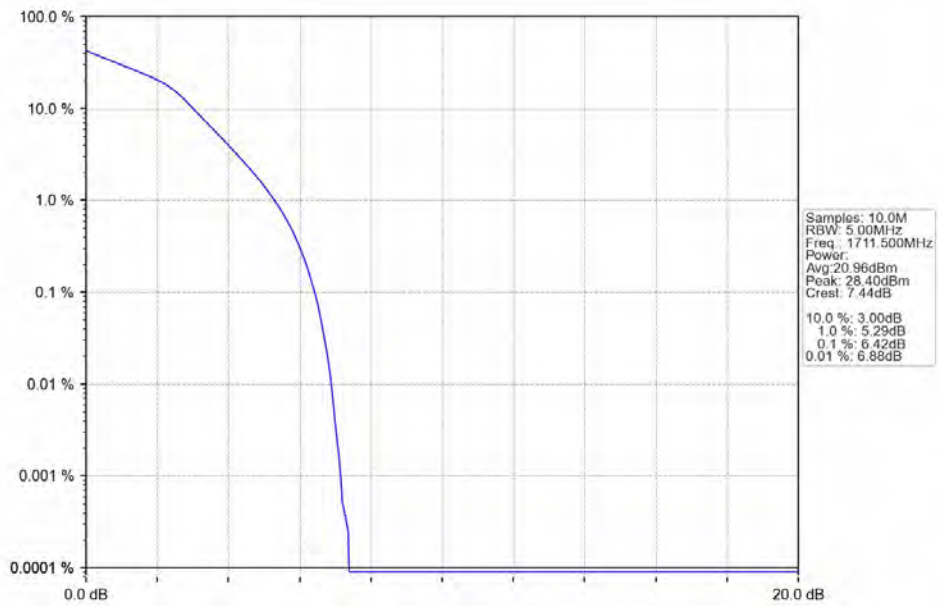
## 5.2.2 Test Graph



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

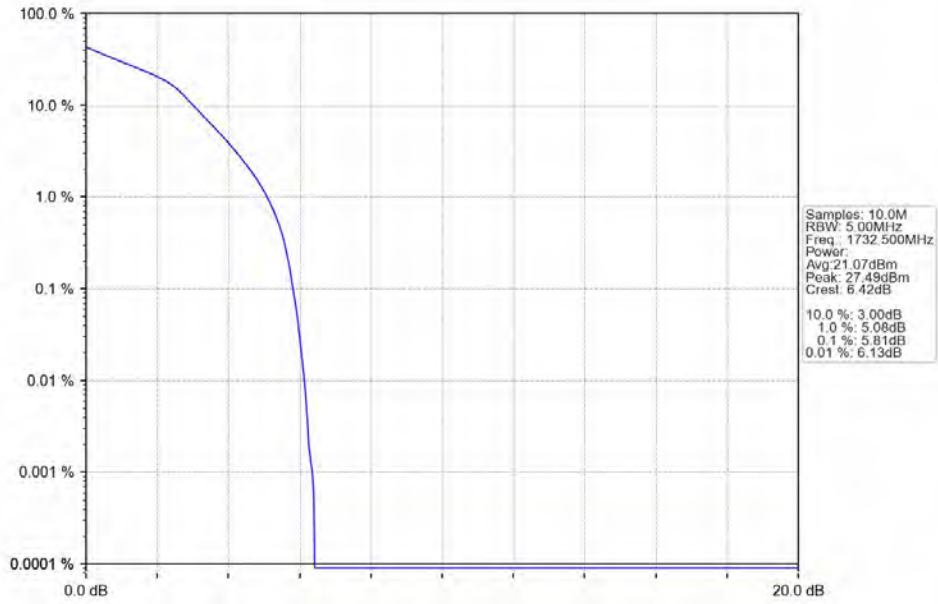


Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

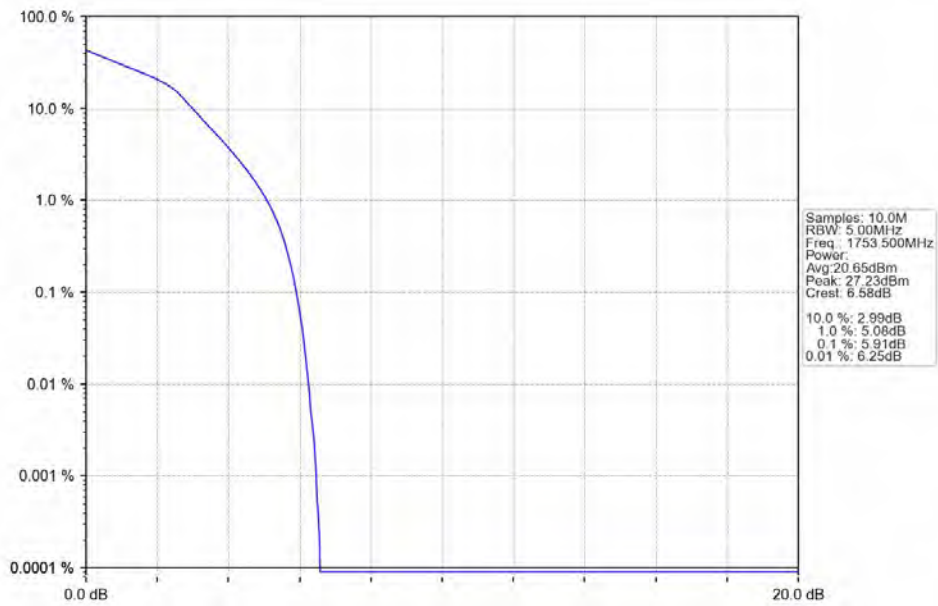




Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

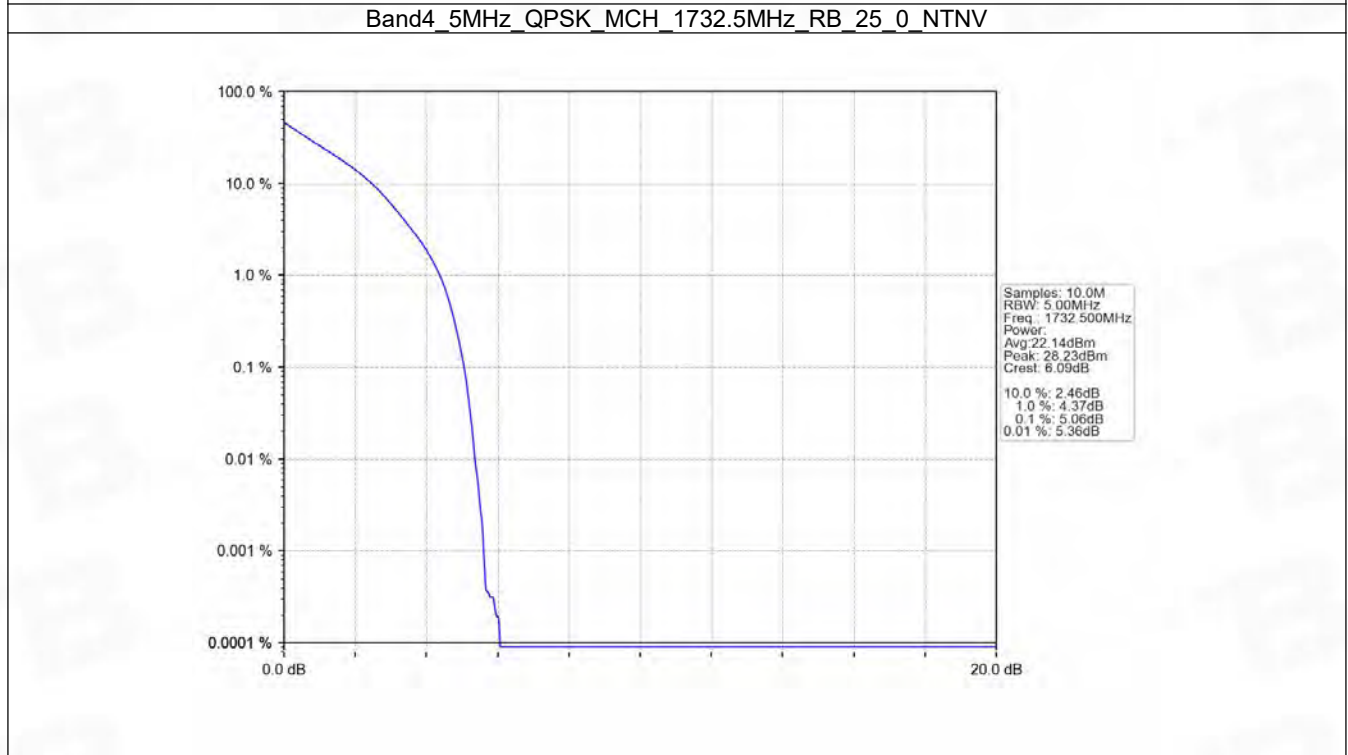
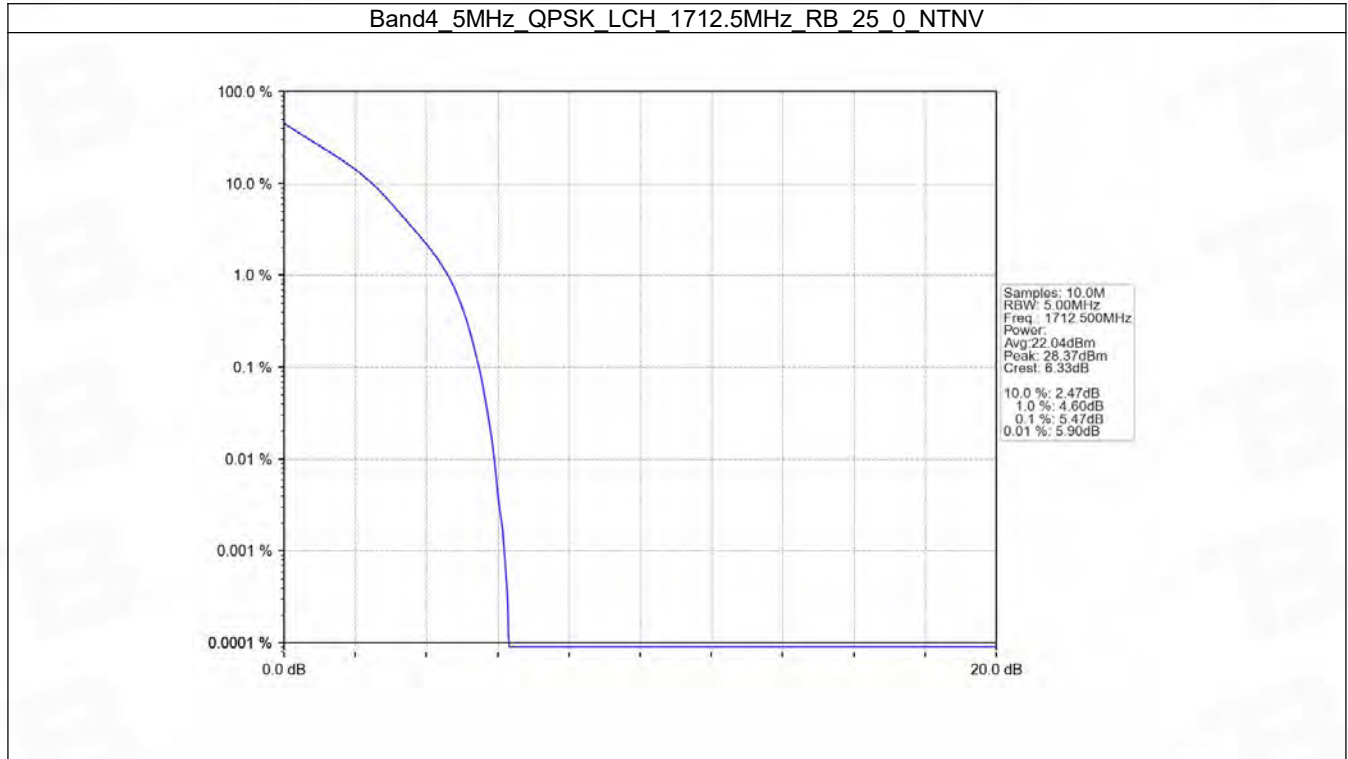


## 5.3 B4\_5MHz

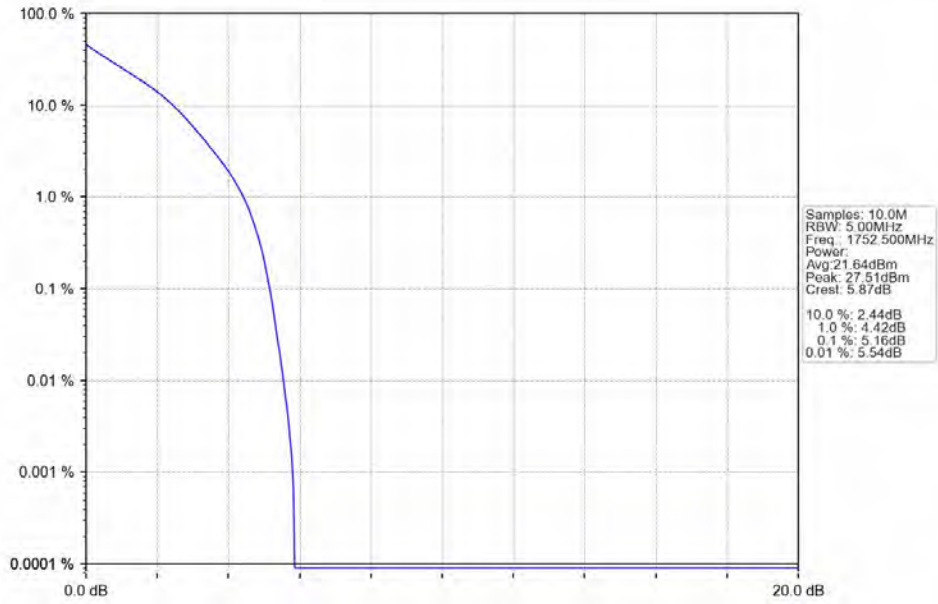
### 5.3.1 Test Result

| Band: 4 / Bandwidth: 5MHz / NTN |                 |               |        |                         |       |         |
|---------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                 |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                            | 1712.5          | 25            | 0      | 5.47                    | <=13  | Pass    |
|                                 | 1732.5          | 25            | 0      | 5.06                    | <=13  | Pass    |
|                                 | 1752.5          | 25            | 0      | 5.16                    | <=13  | Pass    |
| 16QAM                           | 1712.5          | 25            | 0      | 6.31                    | <=13  | Pass    |
|                                 | 1732.5          | 25            | 0      | 5.94                    | <=13  | Pass    |
|                                 | 1752.5          | 25            | 0      | 6.00                    | <=13  | Pass    |

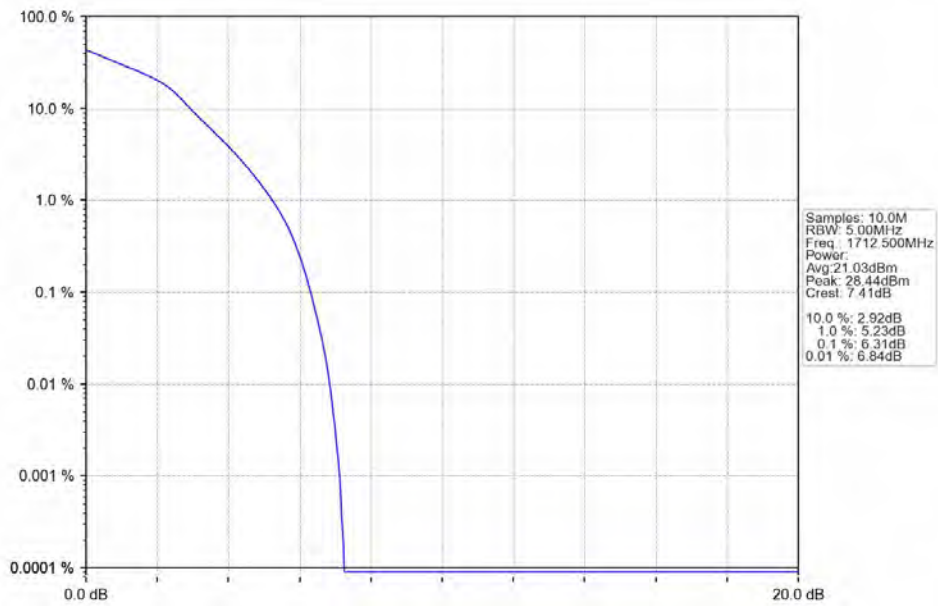
### 5.3.2 Test Graph



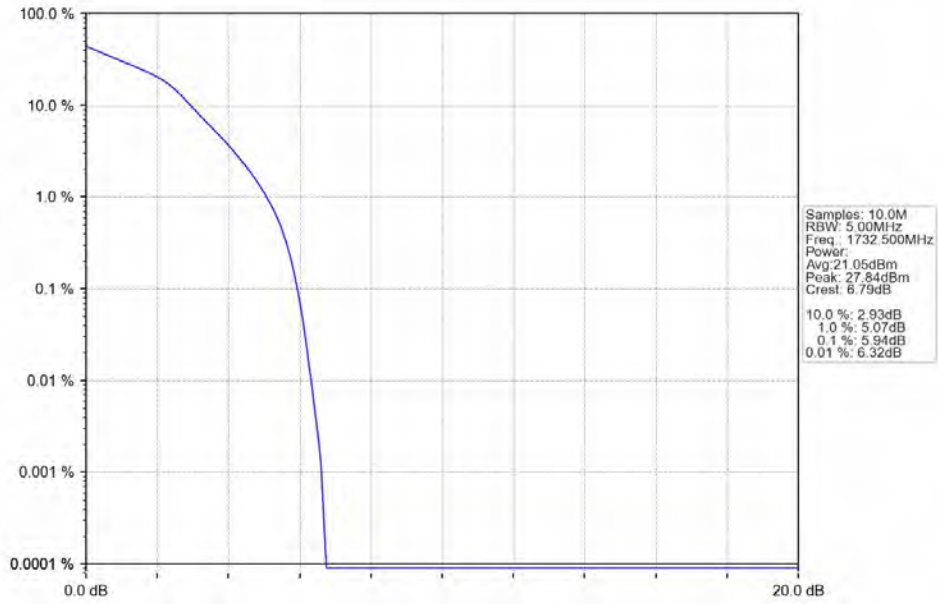
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



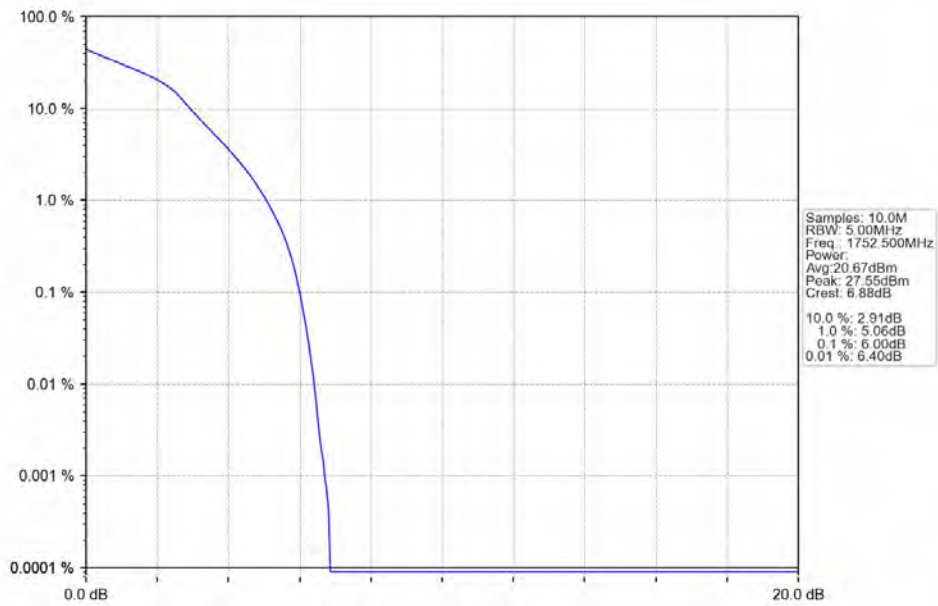
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



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



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

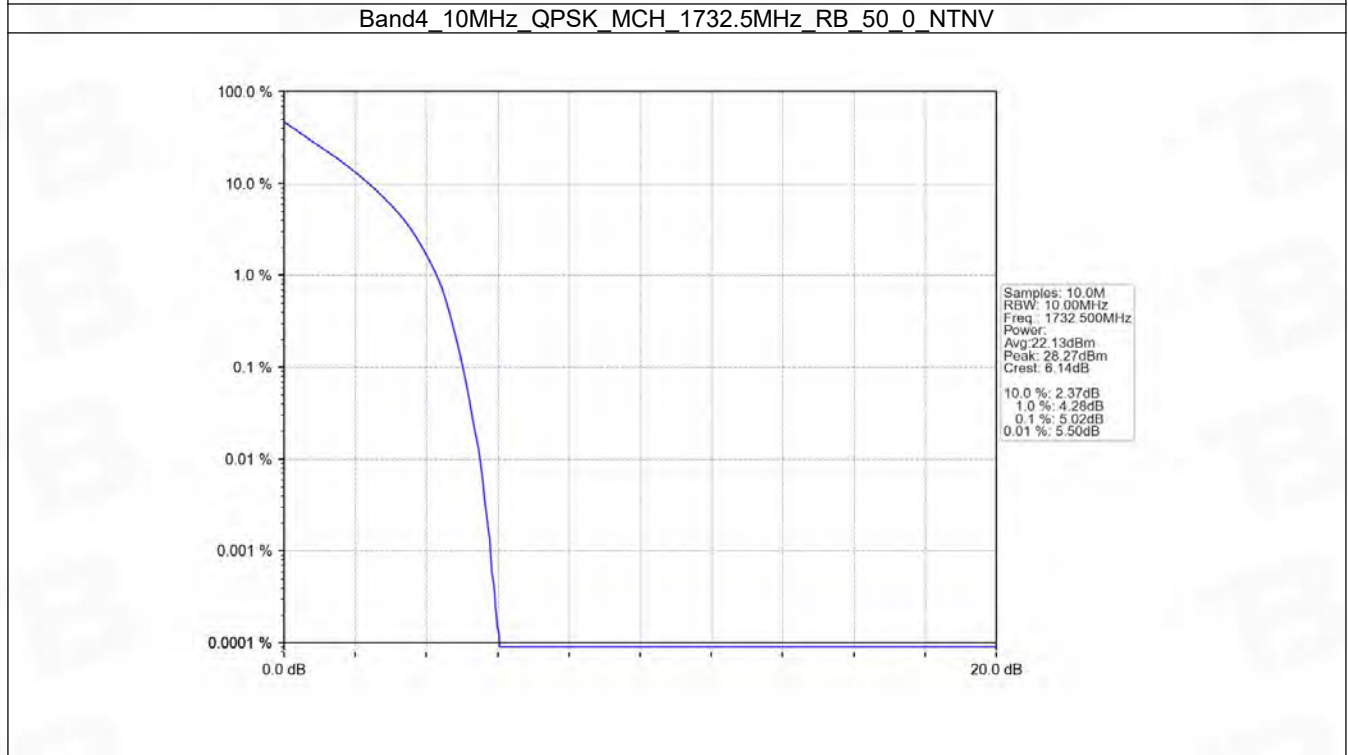
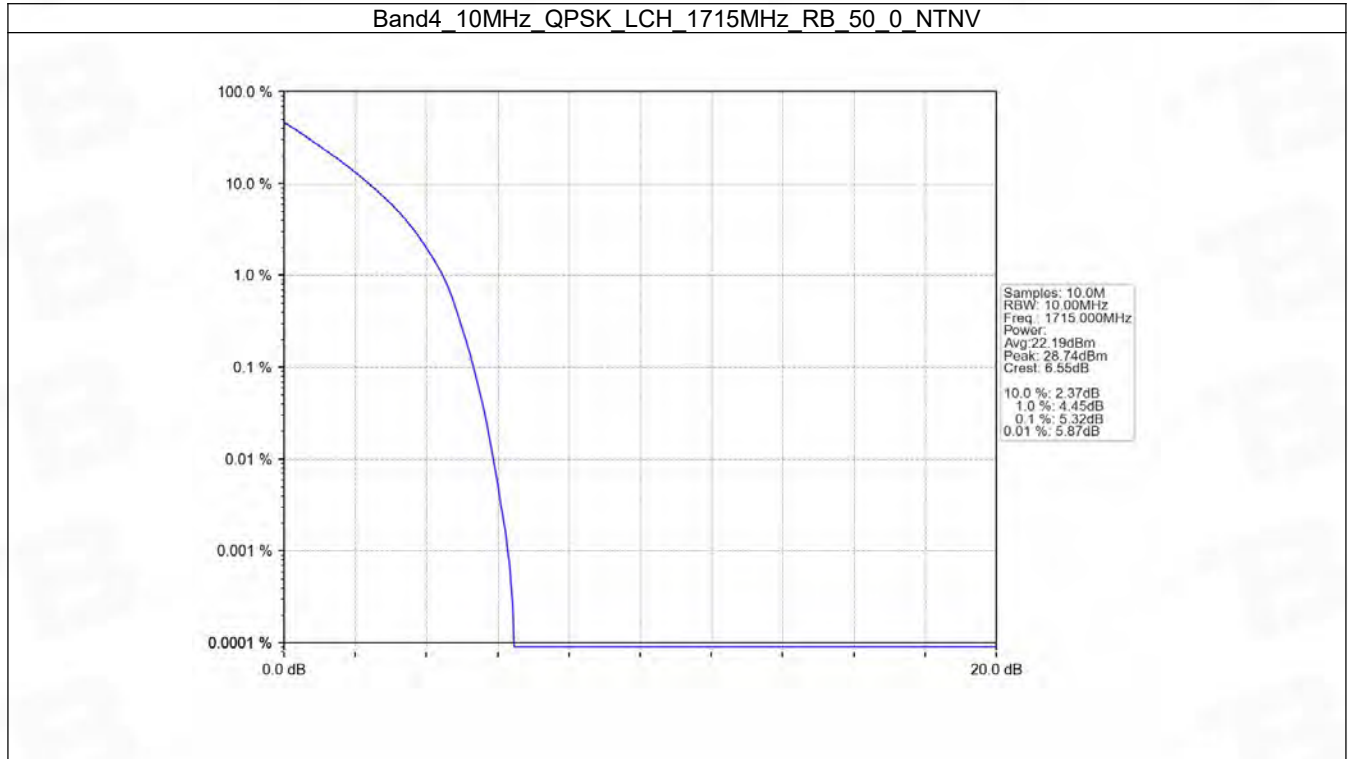


## 5.4 B4\_10MHz

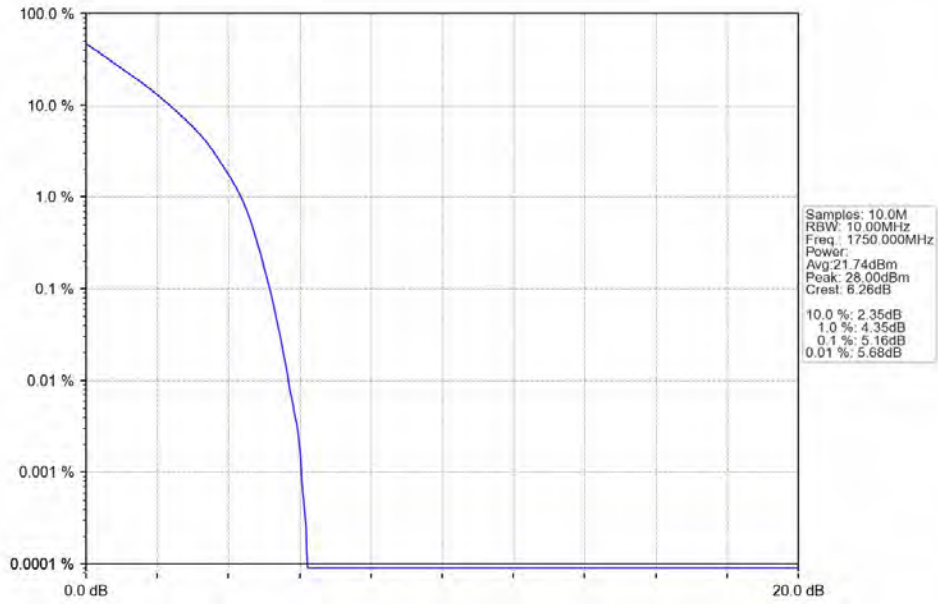
### 5.4.1 Test Result

| Band: 4 / Bandwidth: 10MHz / NTV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1715            | 50            | 0      | 5.32                    | <=13  | Pass    |
|                                  | 1732.5          | 50            | 0      | 5.02                    | <=13  | Pass    |
|                                  | 1750            | 50            | 0      | 5.16                    | <=13  | Pass    |
| 16QAM                            | 1715            | 27            | 0      | 6.10                    | <=13  | Pass    |
|                                  | 1732.5          | 27            | 0      | 5.60                    | <=13  | Pass    |
|                                  | 1750            | 27            | 23     | 5.81                    | <=13  | Pass    |

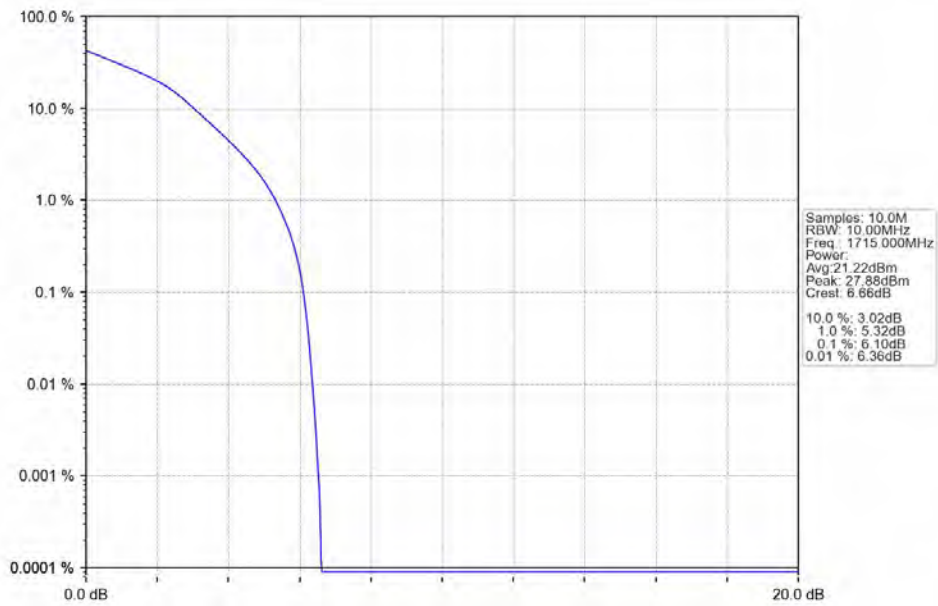
## 5.4.2 Test Graph



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

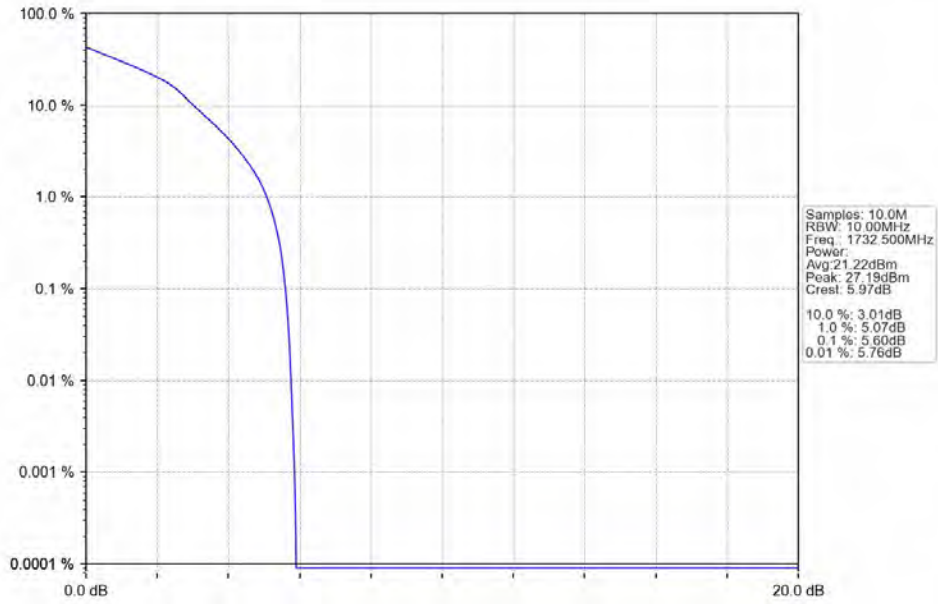


Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_27\_0\_NTNV

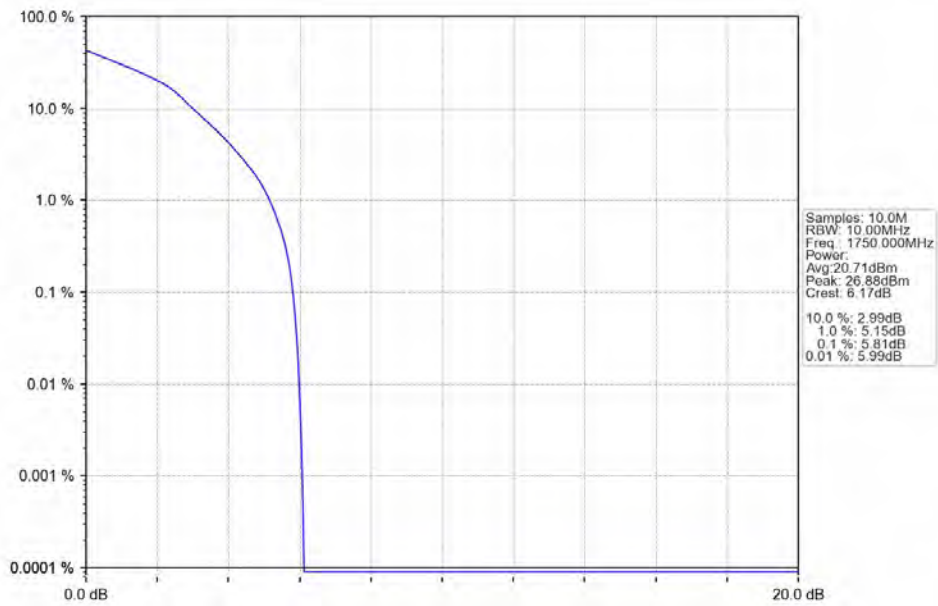




Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_27\_23\_NTNV

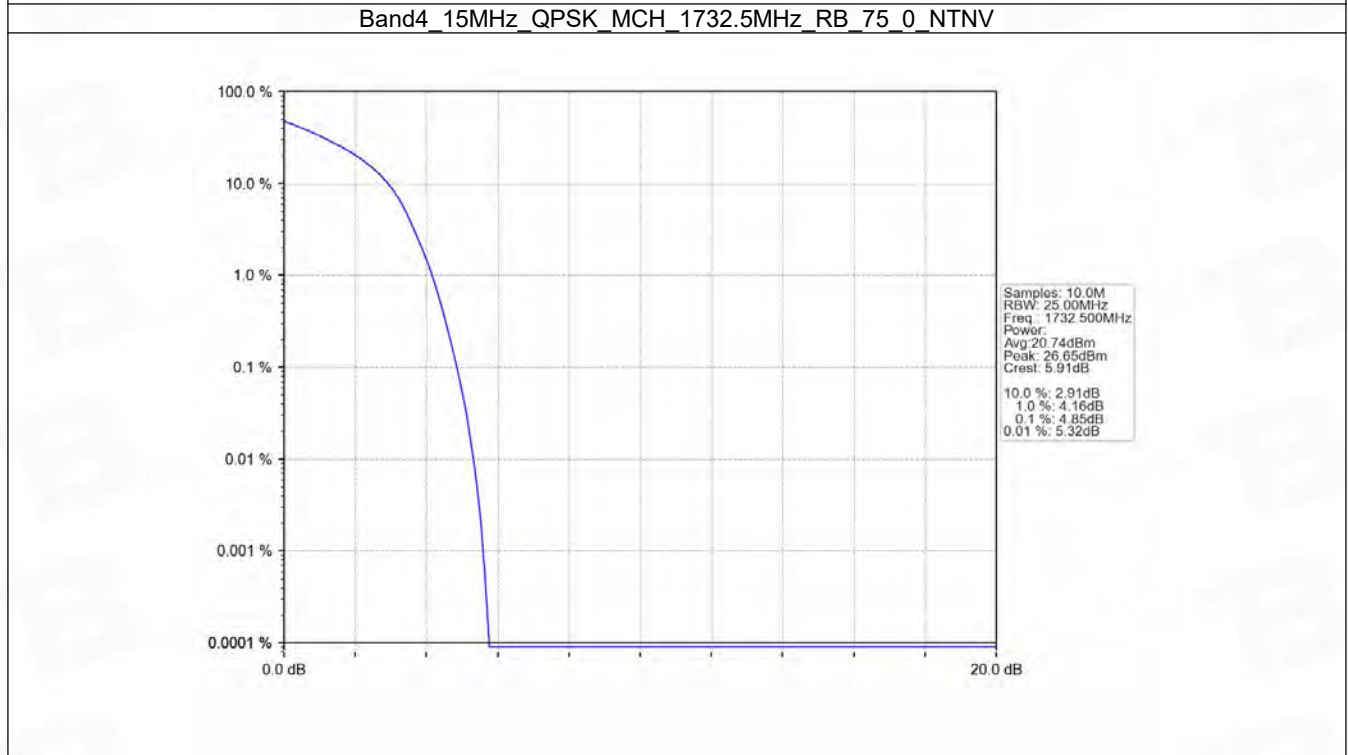
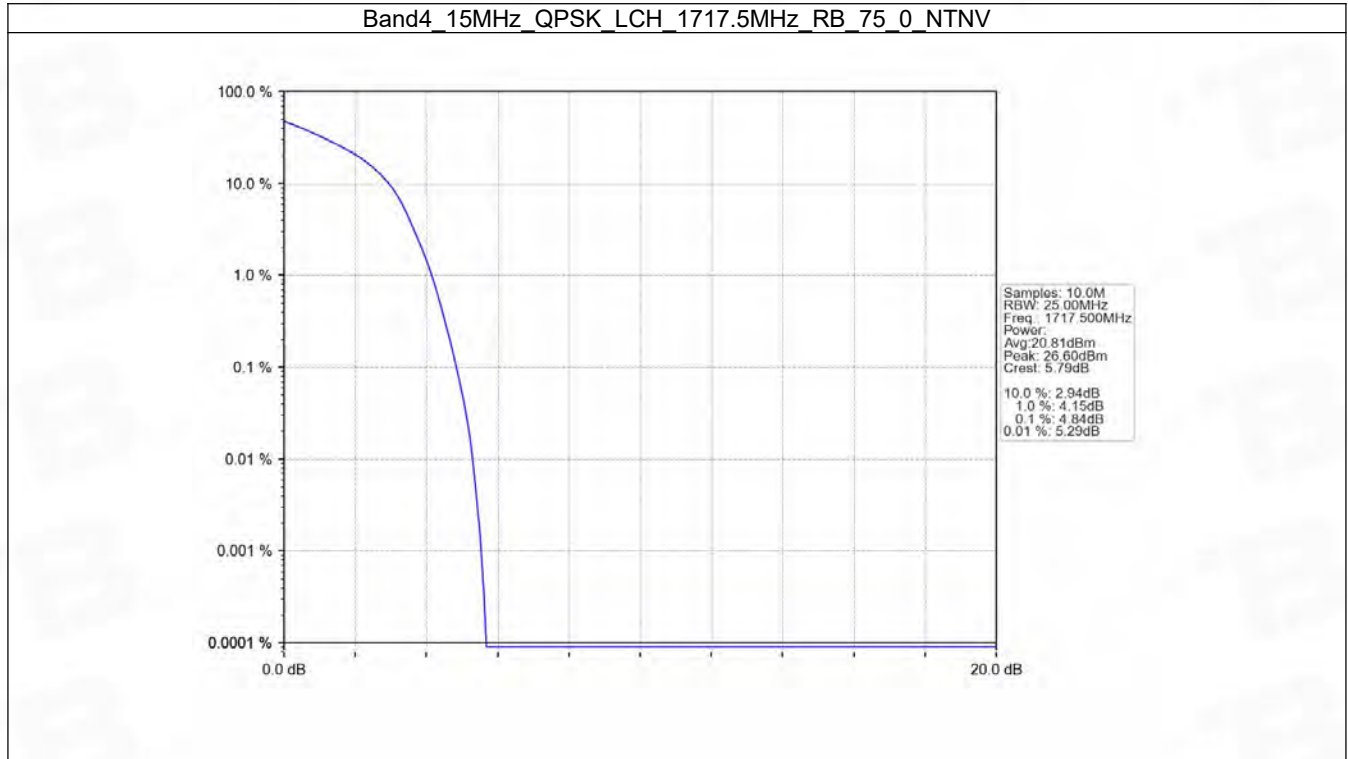


## 5.5 B4\_15MHz

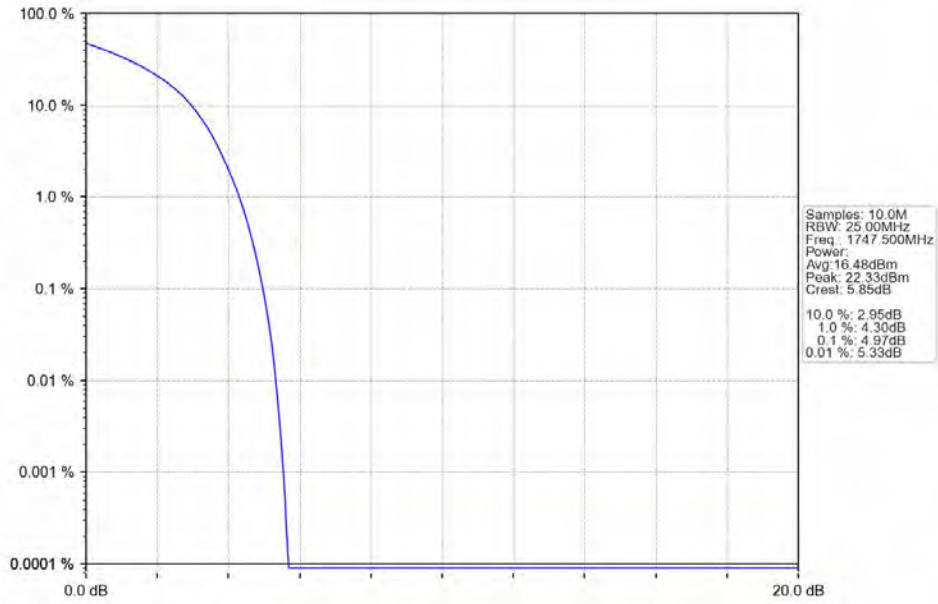
### 5.5.1 Test Result

| Band: 4 / Bandwidth: 15MHz / NTV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1717.5          | 75            | 0      | 4.84                    | <=13  | Pass    |
|                                  | 1732.5          | 75            | 0      | 4.85                    | <=13  | Pass    |
|                                  | 1747.5          | 75            | 0      | 4.97                    | <=13  | Pass    |
| 16QAM                            | 1717.5          | 27            | 0      | 6.56                    | <=13  | Pass    |
|                                  | 1732.5          | 27            | 0      | 6.40                    | <=13  | Pass    |
|                                  | 1747.5          | 27            | 48     | 6.64                    | <=13  | Pass    |

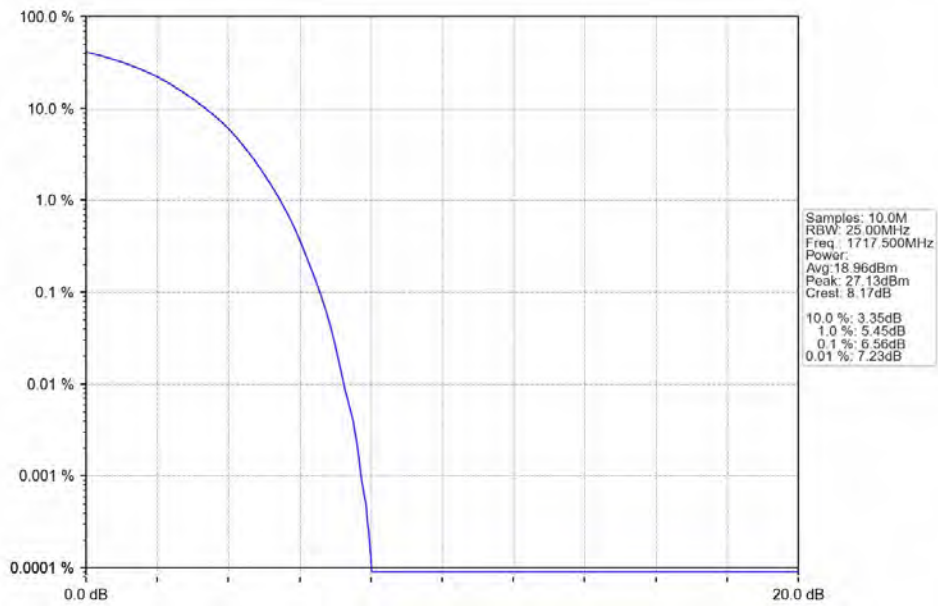
## 5.5.2 Test Graph



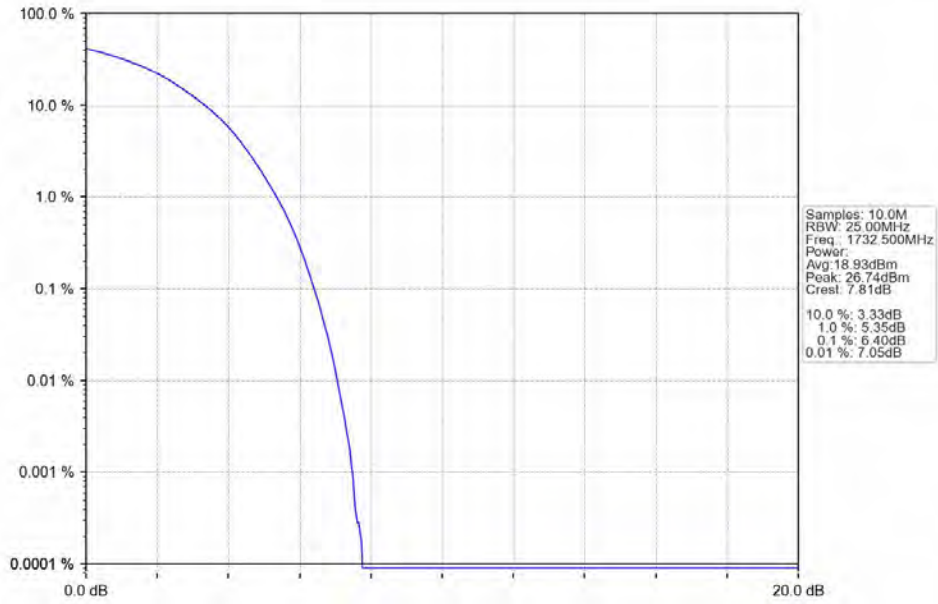
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



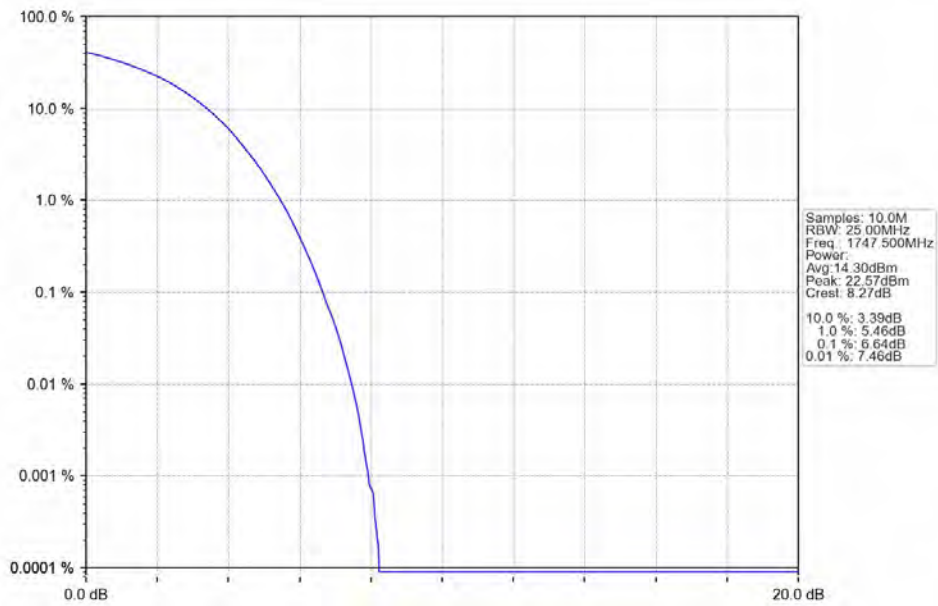
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_27\_0\_NTNV



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



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_27\_48\_NTNV

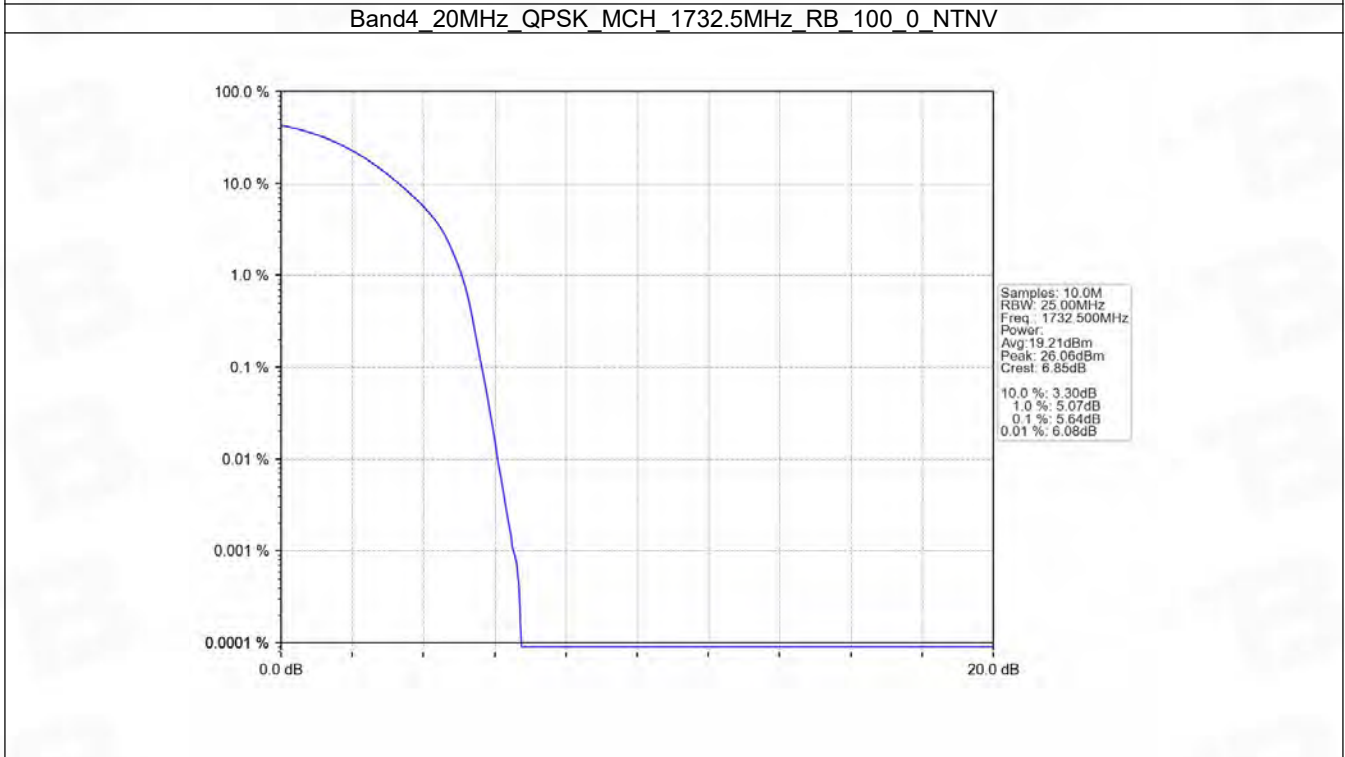
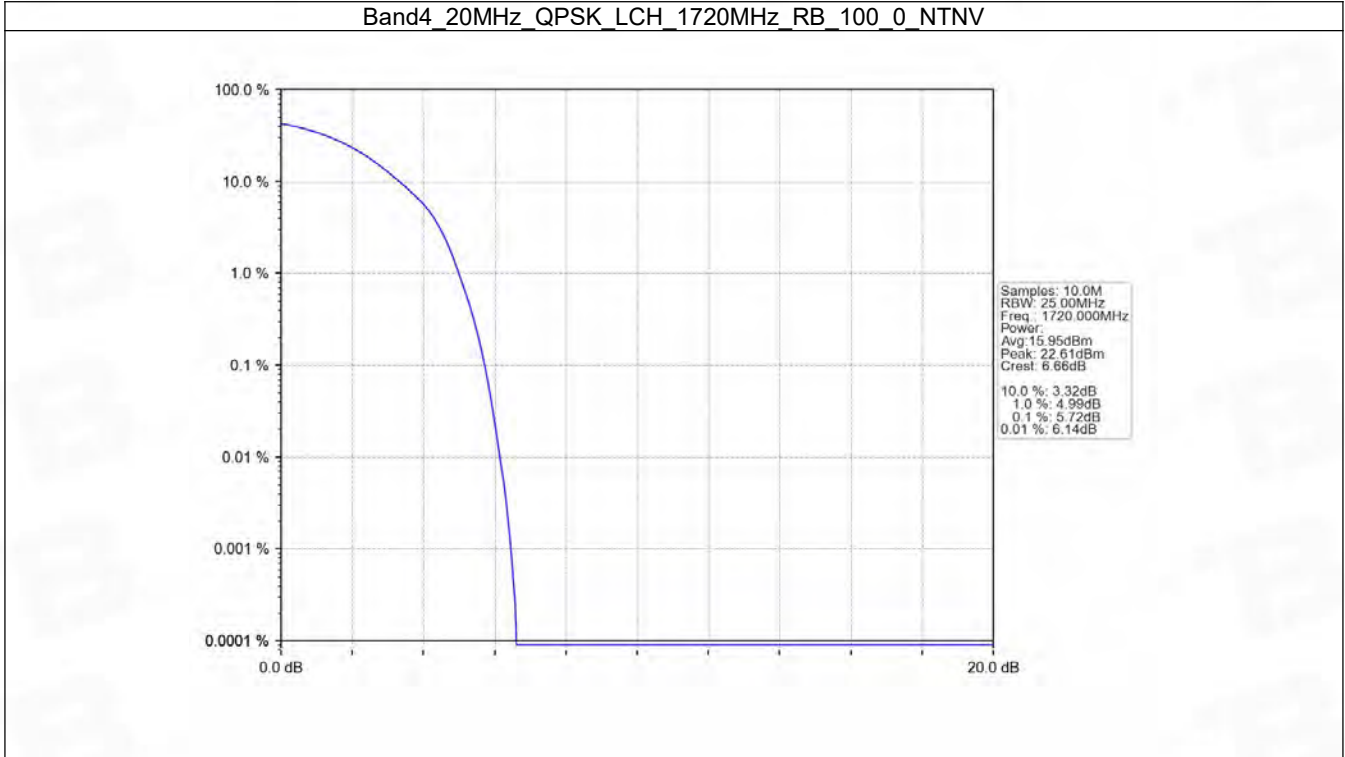


## 5.6 B4\_20MHz

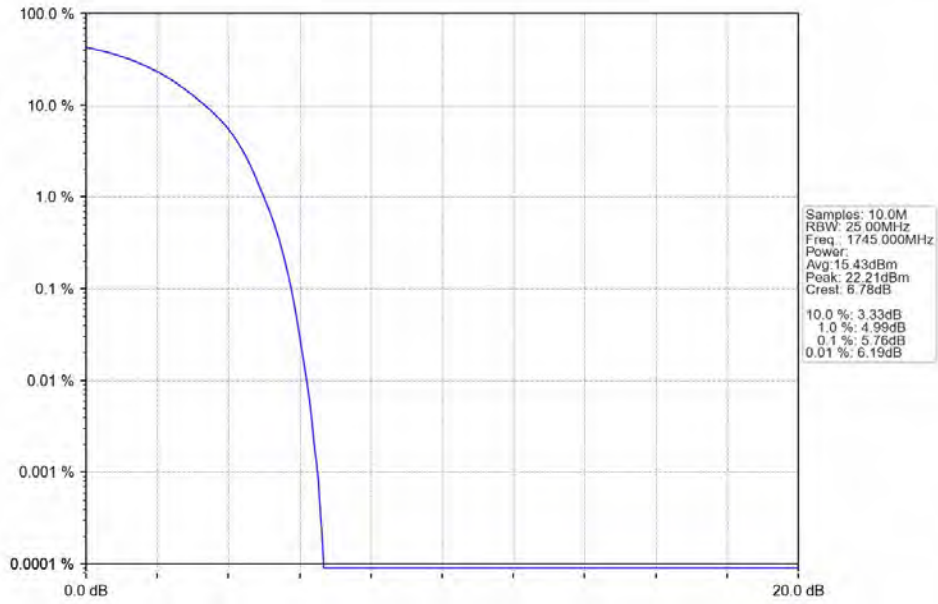
### 5.6.1 Test Result

| Band: 4 / Bandwidth: 20MHz / NTVN |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1720            | 100           | 0      | 5.72                    | <=13  | Pass    |
|                                   | 1732.5          | 100           | 0      | 5.64                    | <=13  | Pass    |
|                                   | 1745            | 100           | 0      | 5.76                    | <=13  | Pass    |
| 16QAM                             | 1720            | 27            | 0      | 7.82                    | <=13  | Pass    |
|                                   | 1732.5          | 27            | 0      | 7.70                    | <=13  | Pass    |
|                                   | 1745            | 27            | 73     | 7.66                    | <=13  | Pass    |

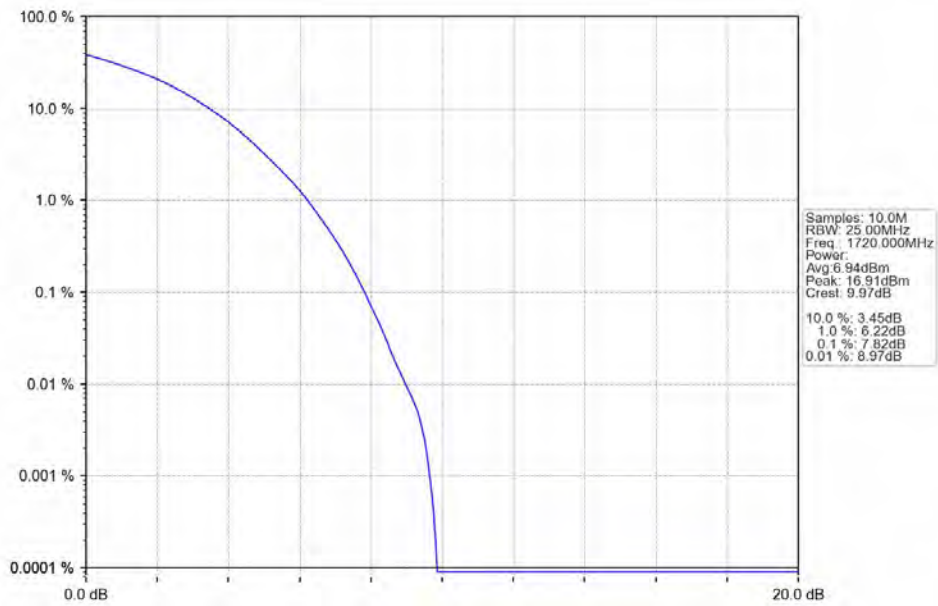
### 5.6.2 Test Graph



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV

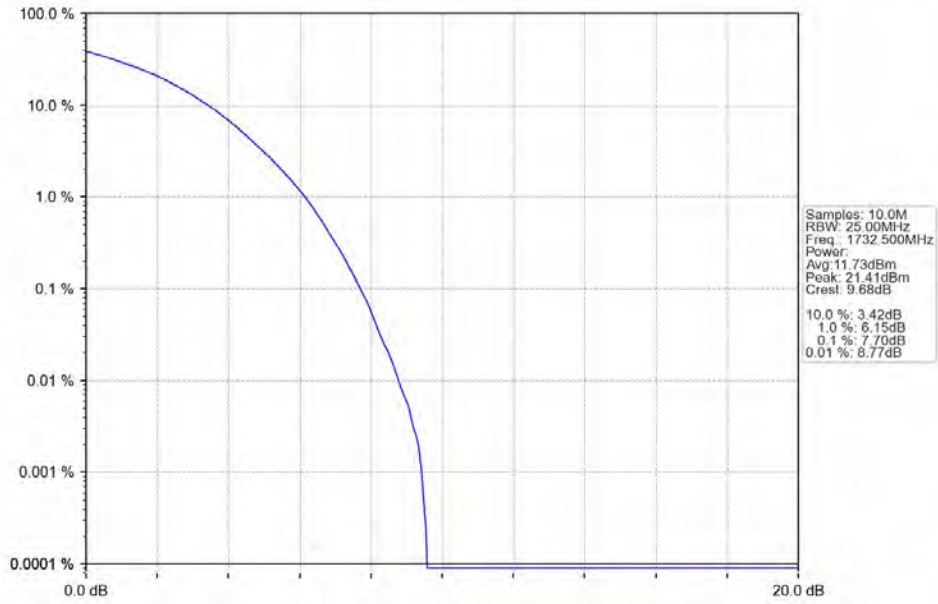


Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_27\_0\_NTNV





Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_27\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_27\_73\_NTNV



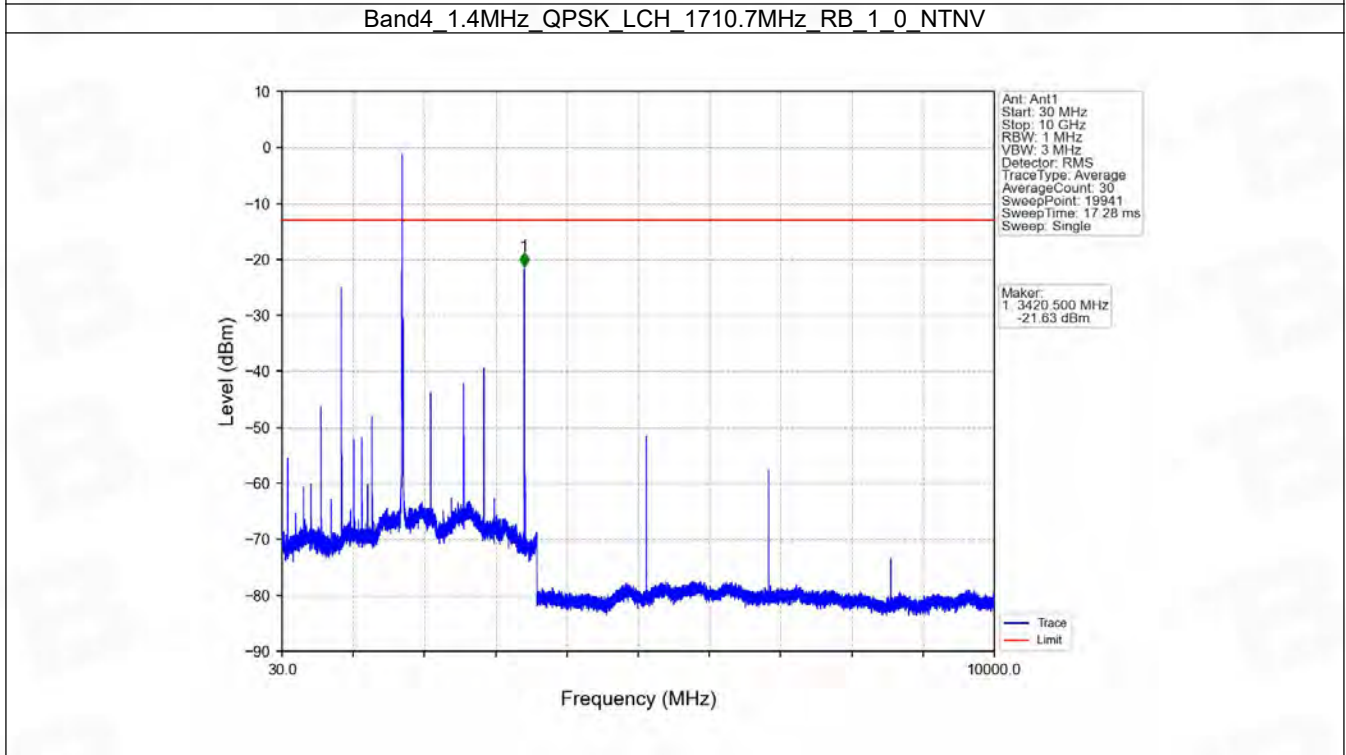
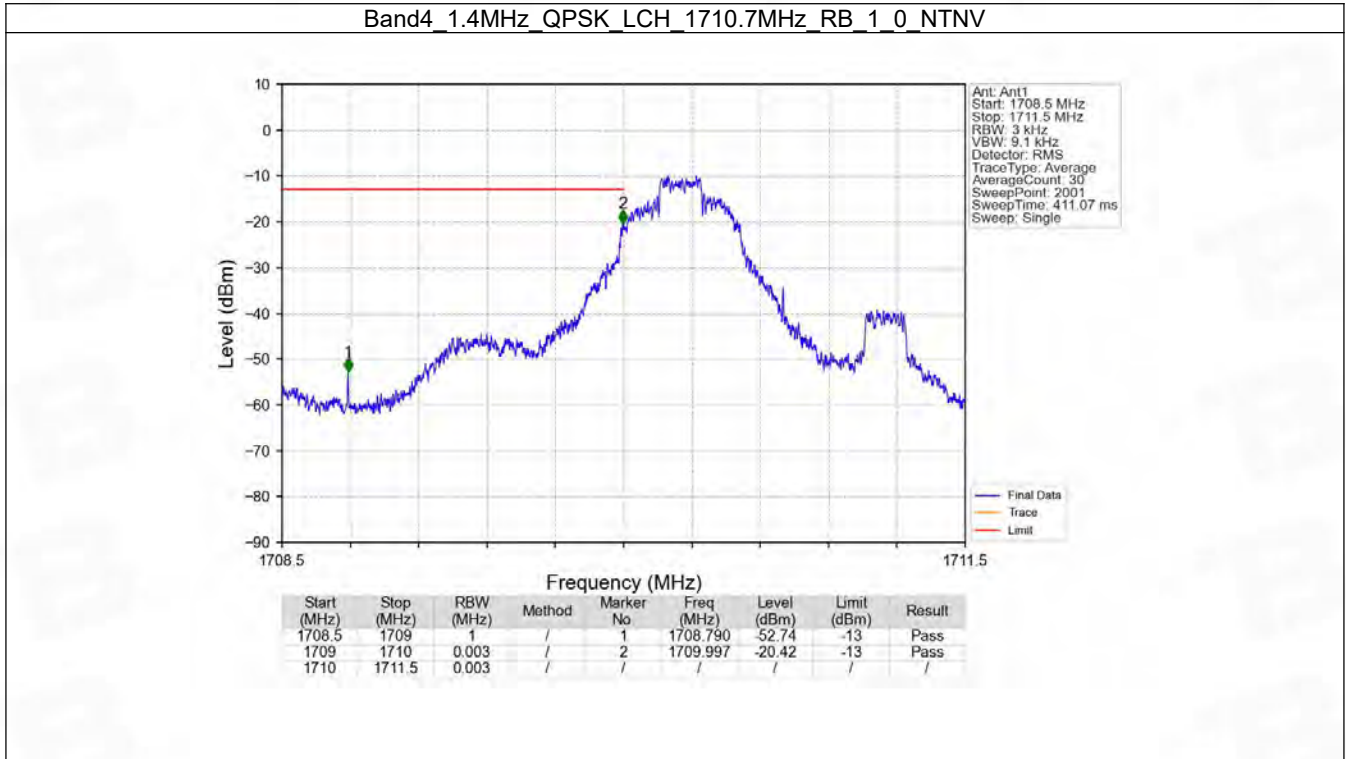
## 6. Spurious Emission

### 6.1 B4\_1.4MHz

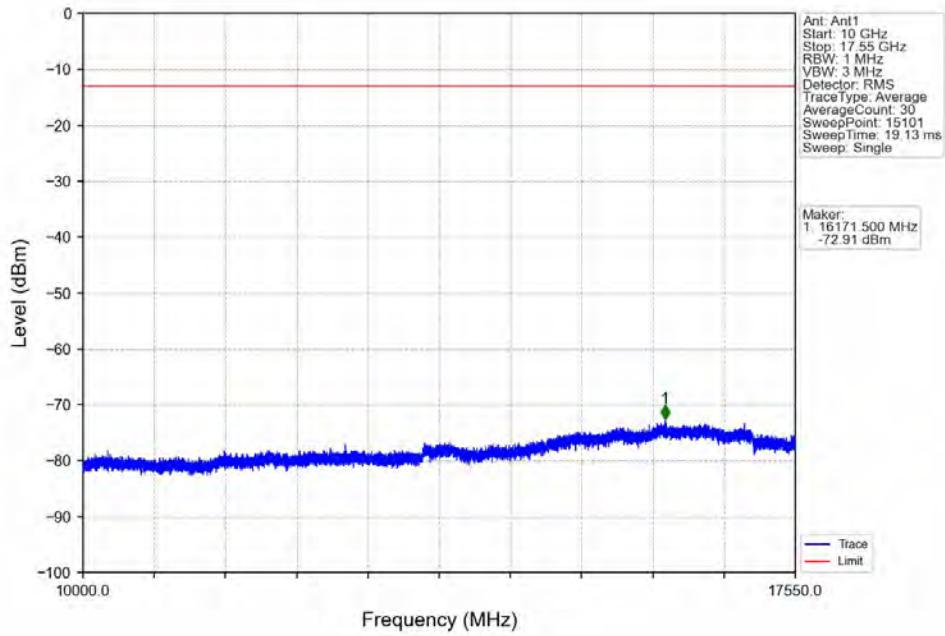
#### 6.1.1 Test Result

| 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 |         |
|                                   |                 |               | 6      | 0                   | Refer To Test Graph |         |
| 16QAM                             | 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 |         |
|                                   |                 |               | 6      | 0                   | Refer To Test Graph |         |

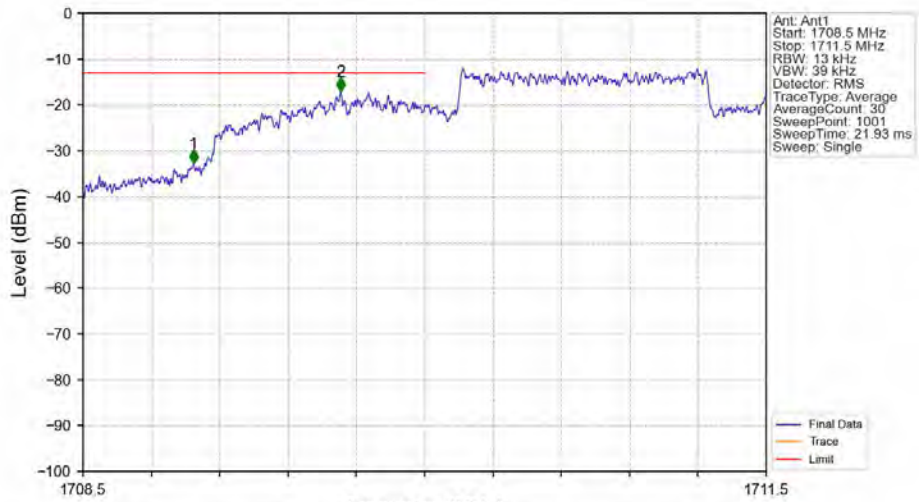
### 6.1.2 Test Graph



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

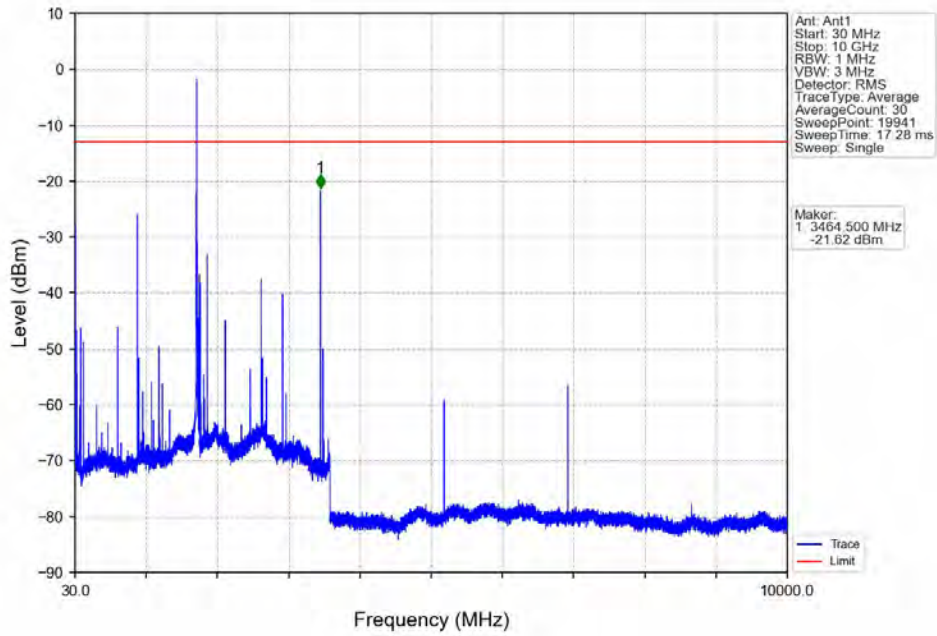


Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

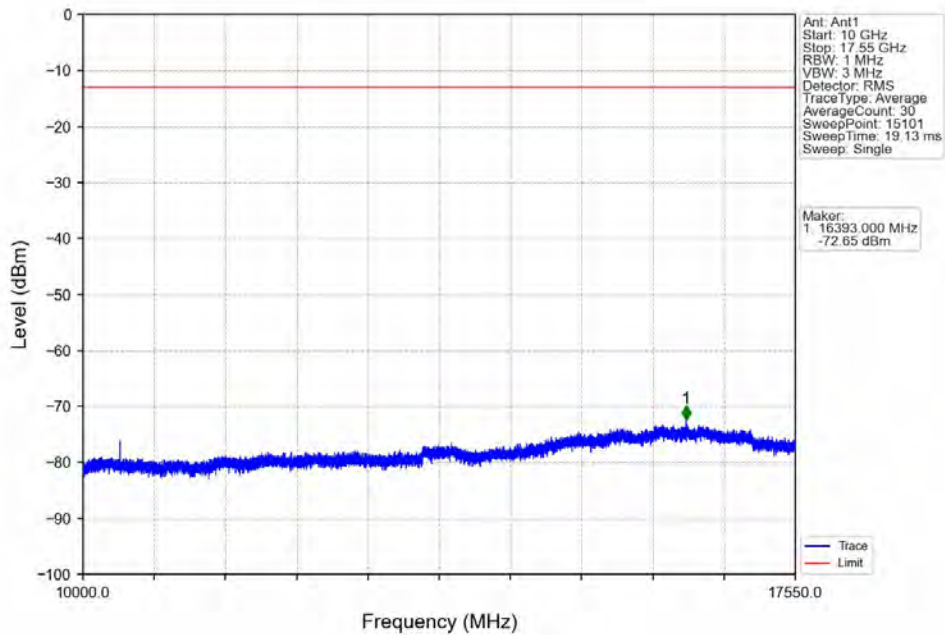


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1708.5      | 1709       | 1         | /      | 1         | 1708.986   | -32.79      | -13         | Pass   |
| 1709        | 1710       | 0.013     | /      | 2         | 1709.631   | -17.06      | -13         | Pass   |
| 1710        | 1711.5     | 0.013     | /      | /         | /          | /           | /           | /      |

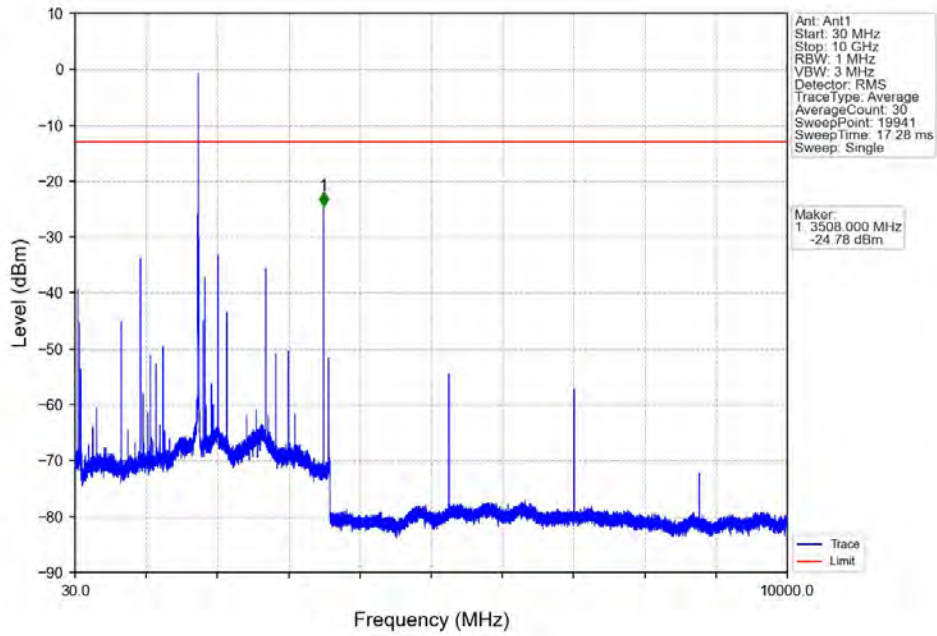
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



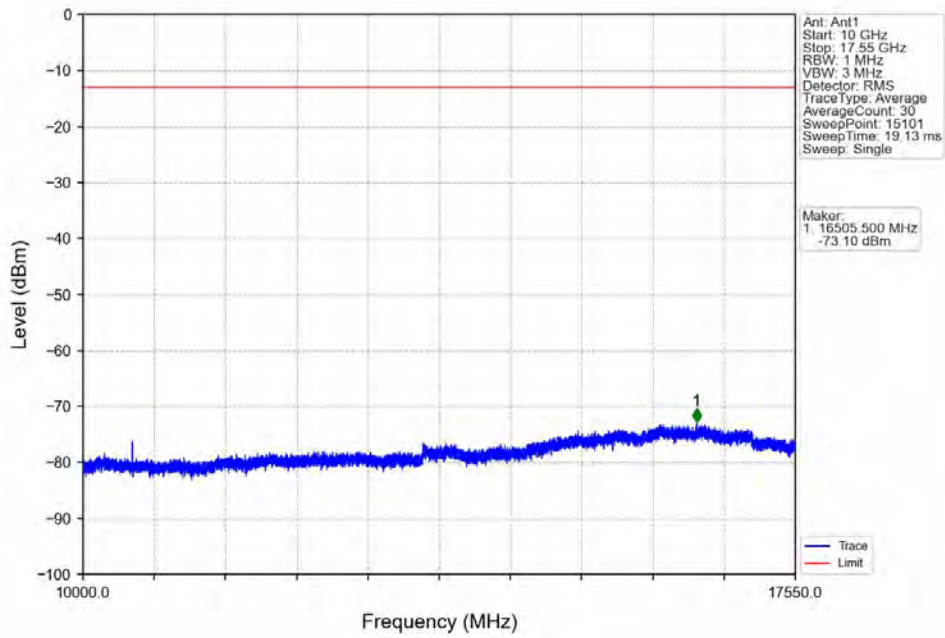
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



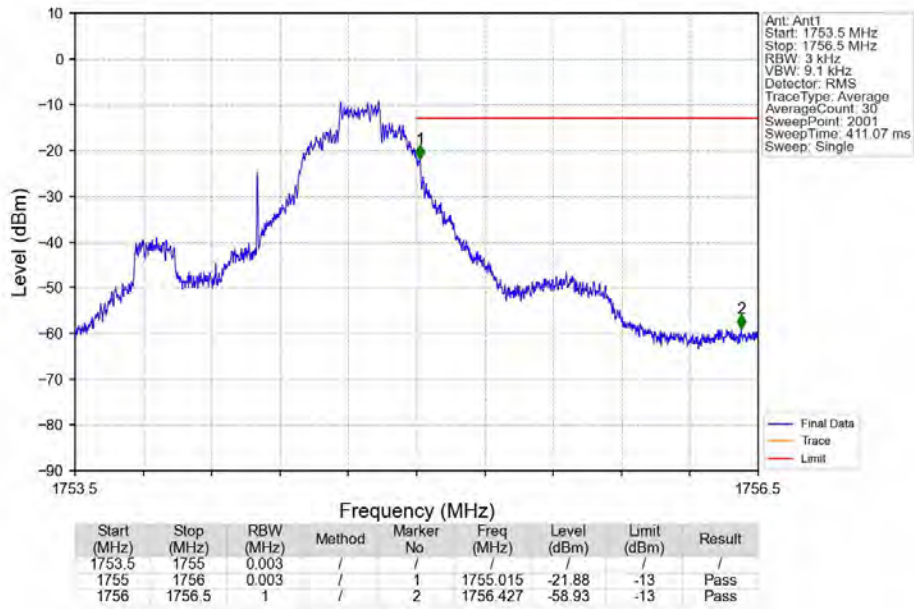
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



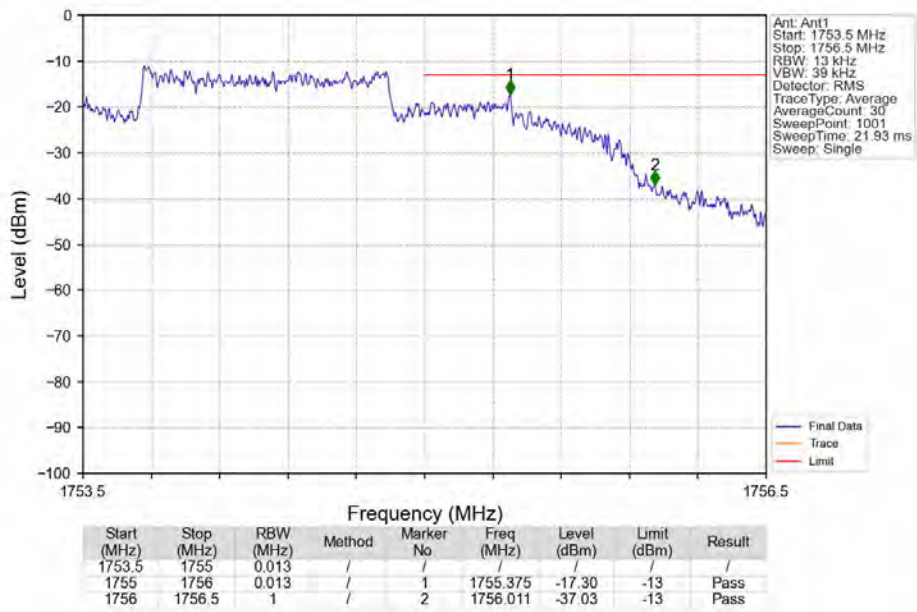
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



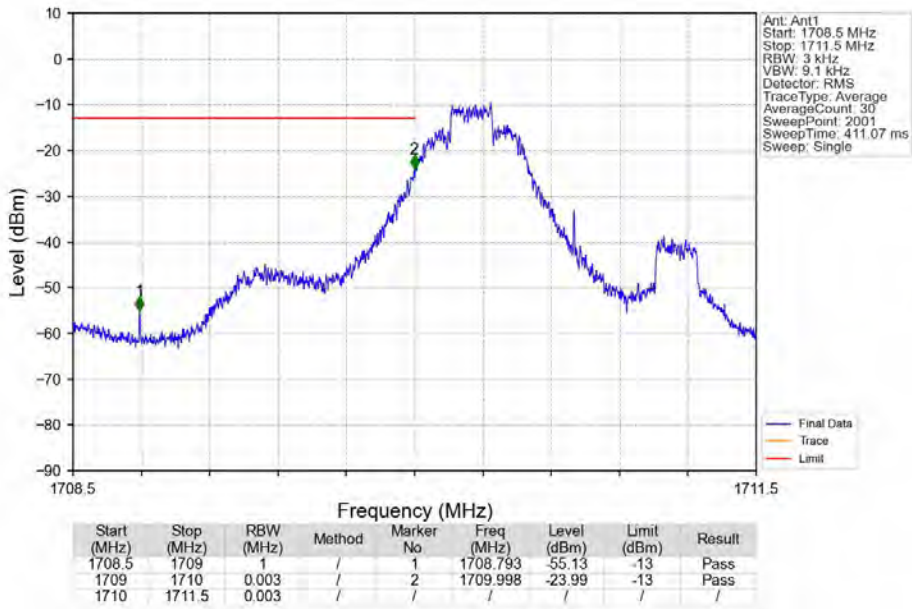
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



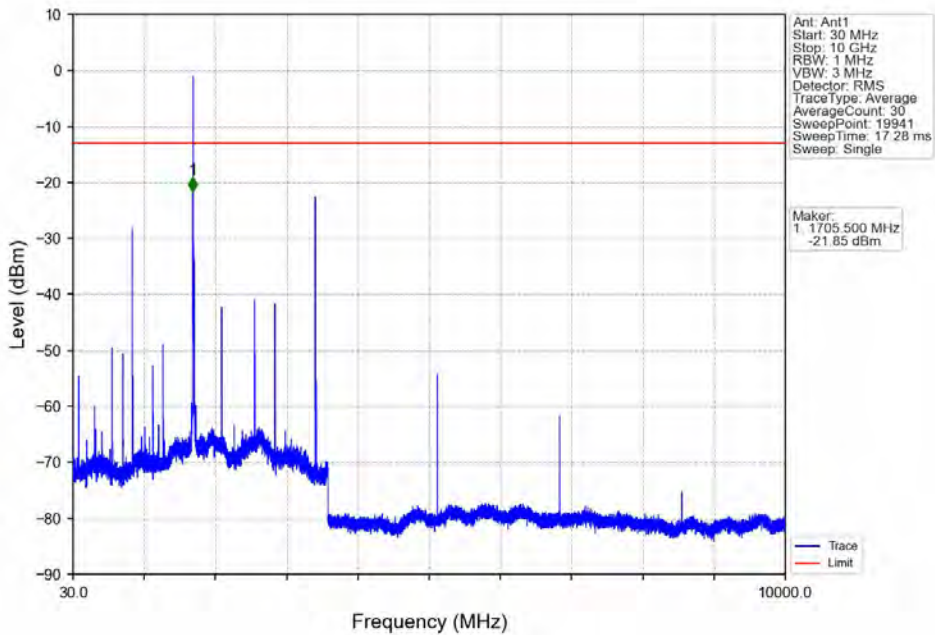
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

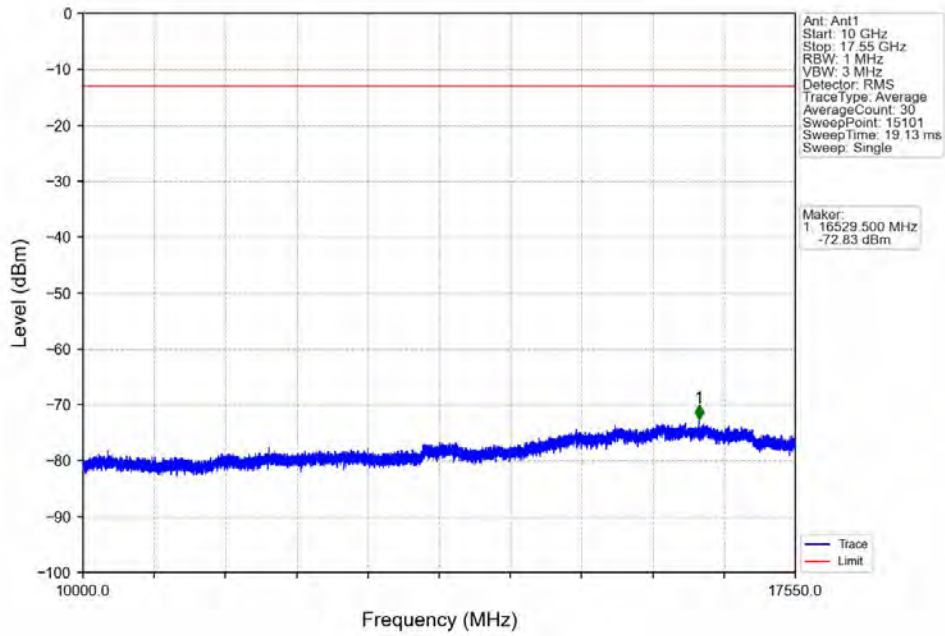


Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

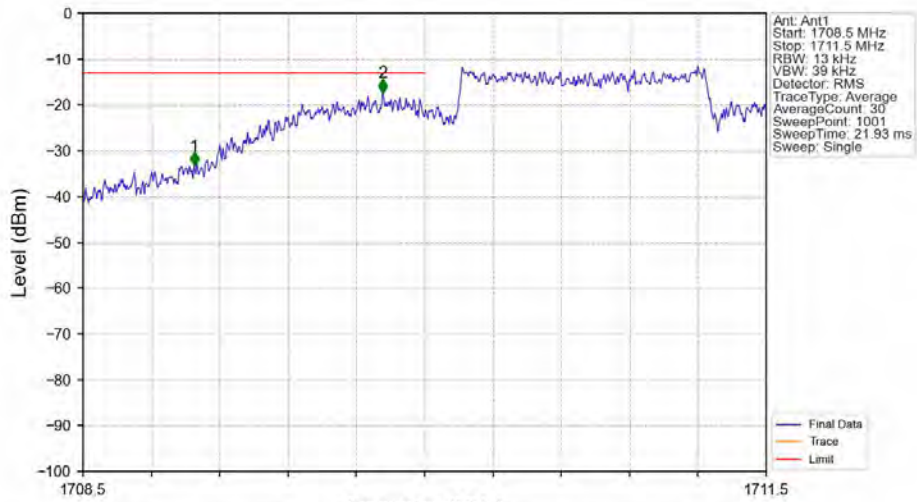




Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

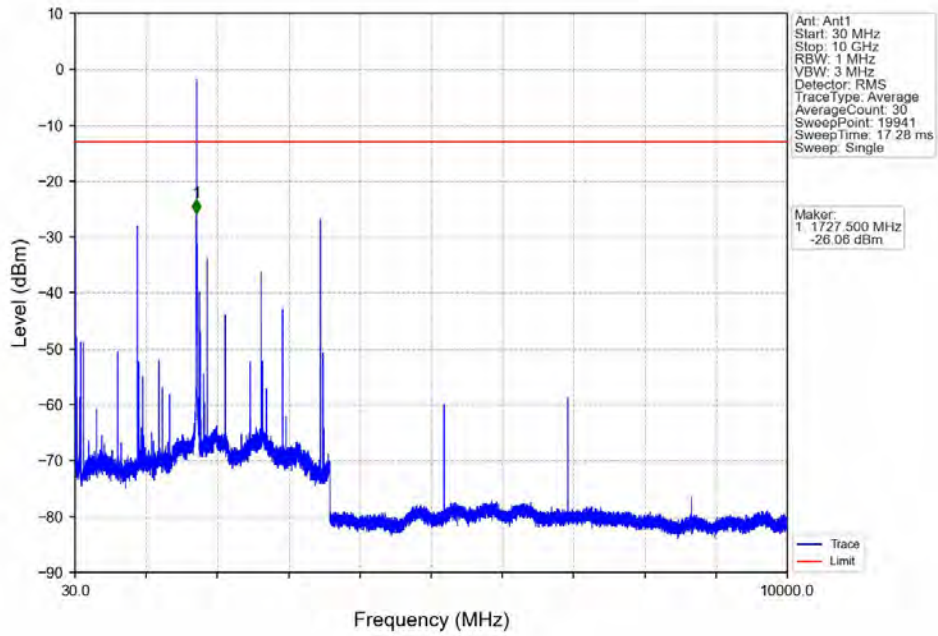


Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

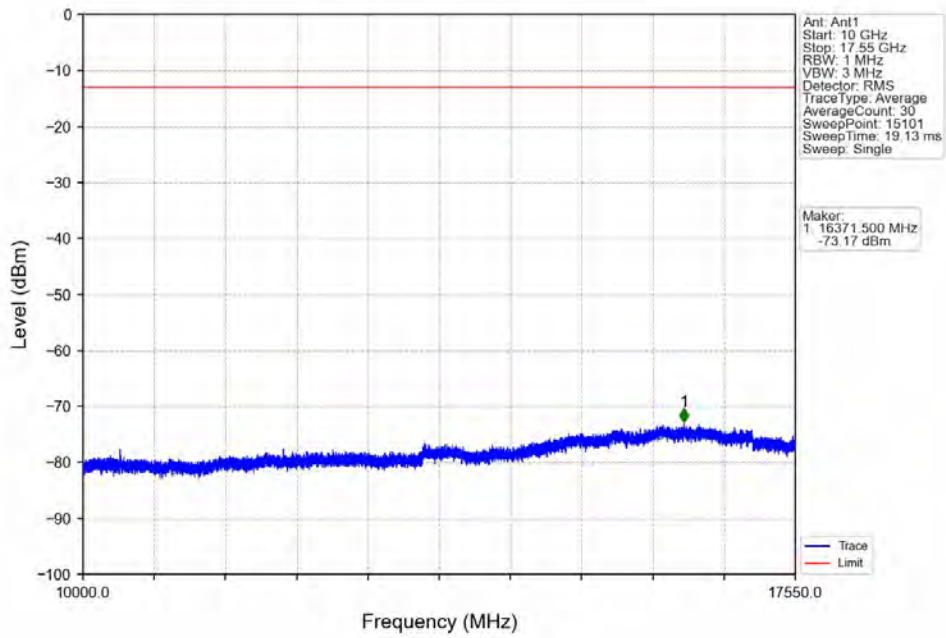


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1708.5      | 1709       | 1         | /      | 1         | 1708.989   | -33.32      | -13         | Pass   |
| 1709        | 1710       | 0.013     | /      | 2         | 1709.817   | -17.37      | -13         | Pass   |
| 1710        | 1711.5     | 0.013     | /      | /         | /          | /           | /           | /      |

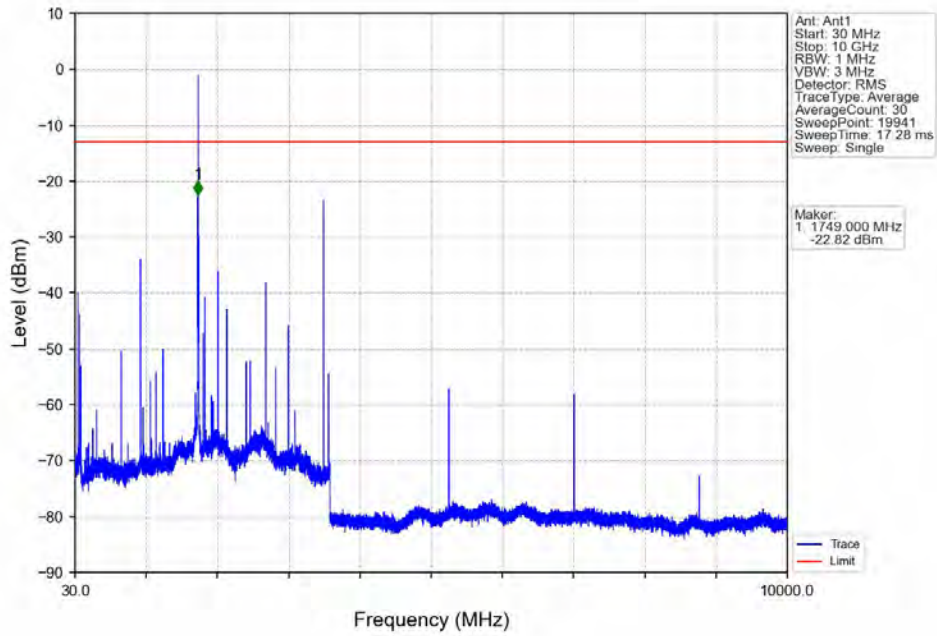
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



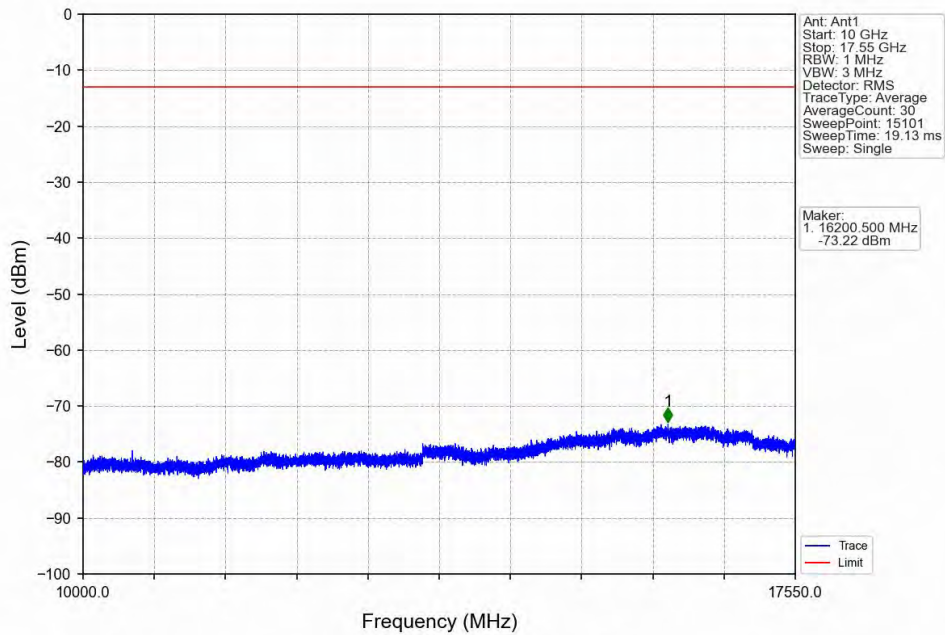
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



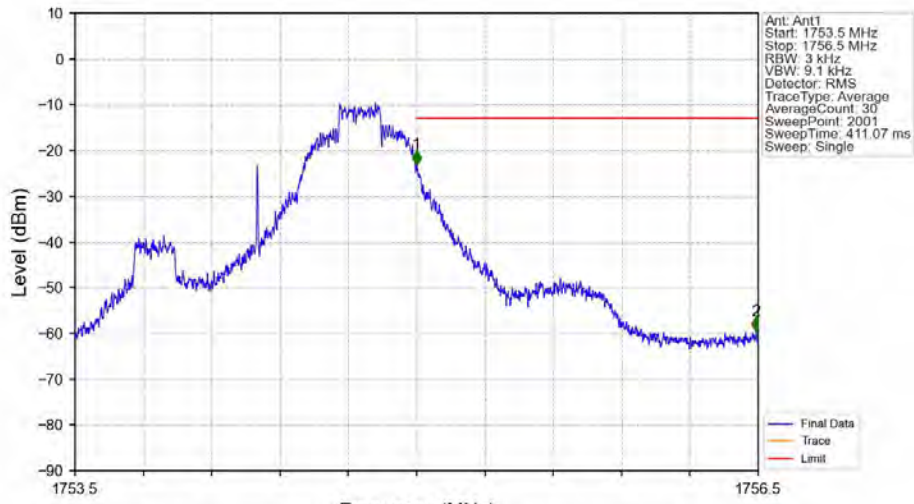
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV

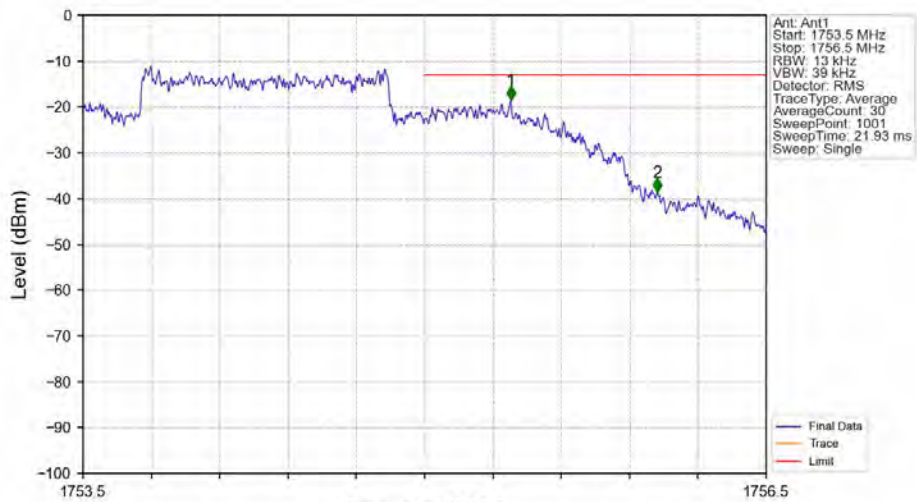


Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1753.5      | 1755       | 0.003     | /      | /         | /          | /           | /           | /      |
| 1755        | 1756       | 0.003     | /      | 1         | 1755.000   | -23.07      | -13         | Pass   |
| 1756        | 1756.5     | 1         | /      | 2         | 1756.491   | -59.49      | -13         | Pass   |

Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



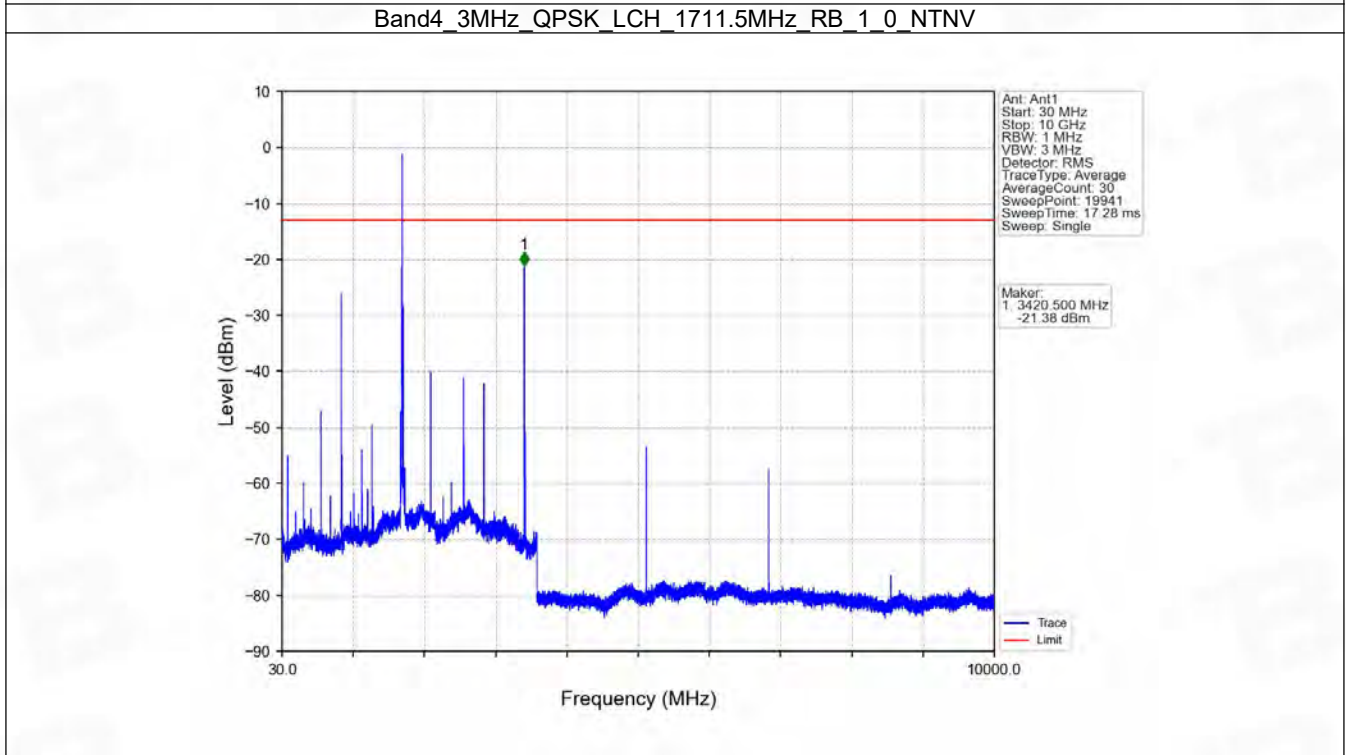
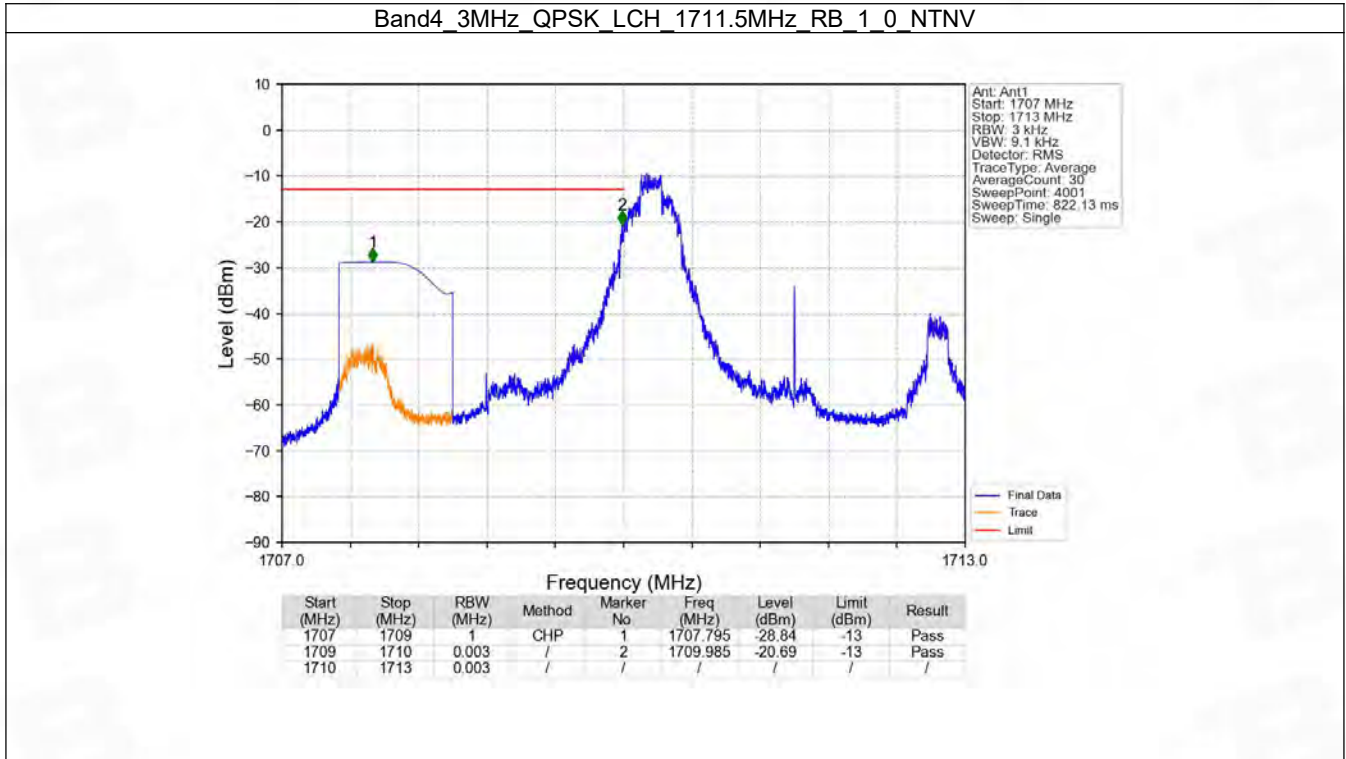
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1753.5      | 1755       | 0.013     | /      | /         | /          | /           | /           | /      |
| 1755        | 1756       | 0.013     | /      | 1         | 1755.378   | -18.59      | -13         | Pass   |
| 1756        | 1756.5     | 1         | /      | 2         | 1756.023   | -38.62      | -13         | Pass   |

## 6.2 B4\_3MHz

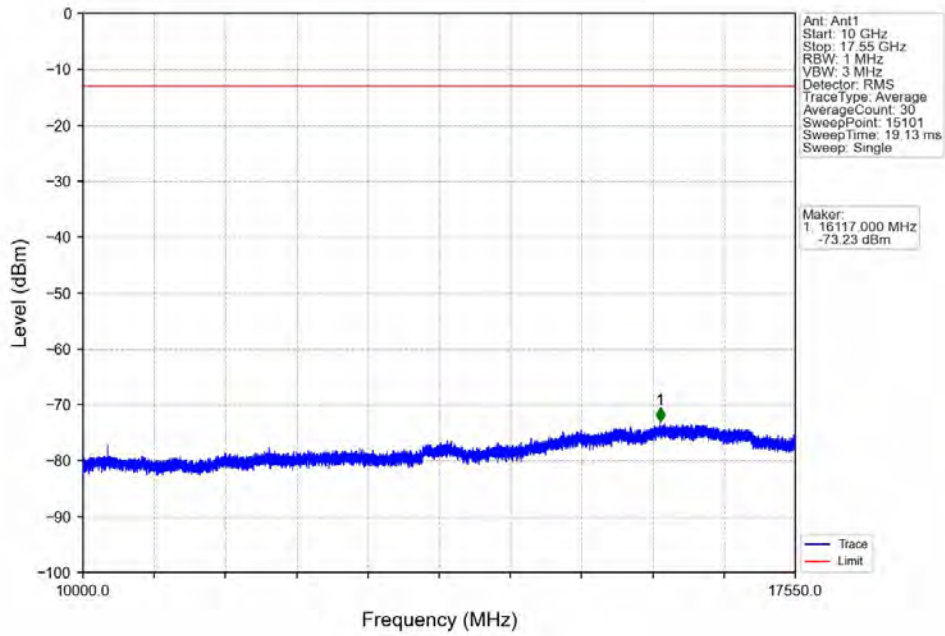
### 6.2.1 Test Result

| Band: 4 / Bandwidth: 3MHz / NTV |                 |               |        |                     |       |         |
|---------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
|                                 | 1753.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                 |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                           | 1711.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
|                                 | 1753.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                 |                 | 15            | 0      | Refer To Test Graph |       | Pass    |

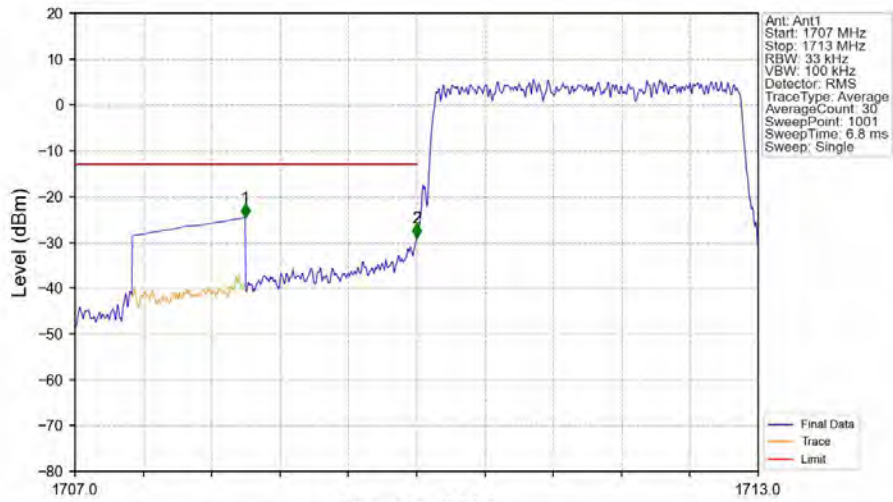
## 6.2.2 Test Graph



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

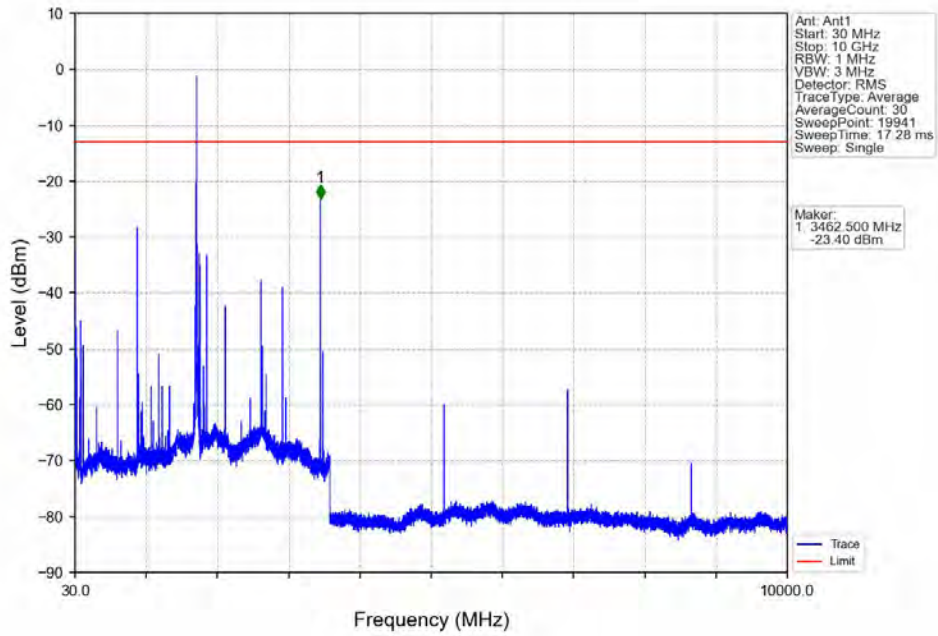


Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

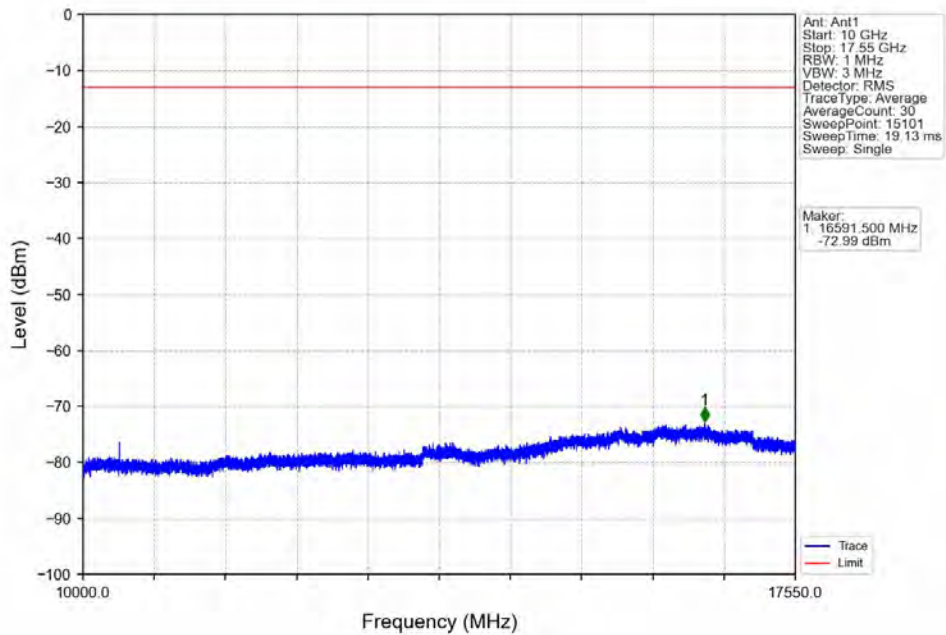


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1          | 1708.494   | -24.62      | -13         | Pass   |
| 1709        | 1710       | 0.033     | /      | 2          | 1710.000   | -29.08      | -13         | Pass   |
| 1710        | 1713       | 0.033     | /      | /          | /          | /           | /           | /      |

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

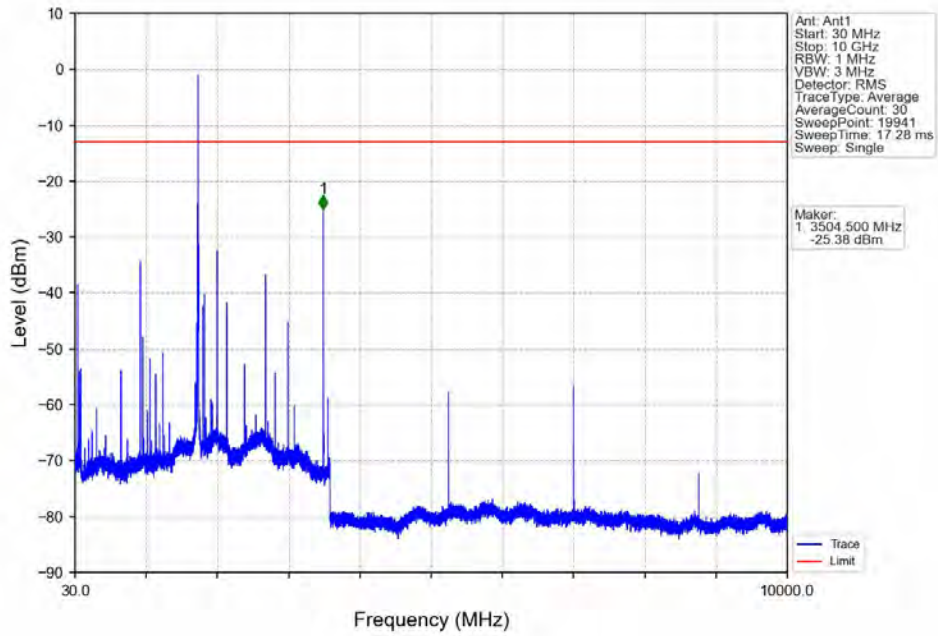


Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

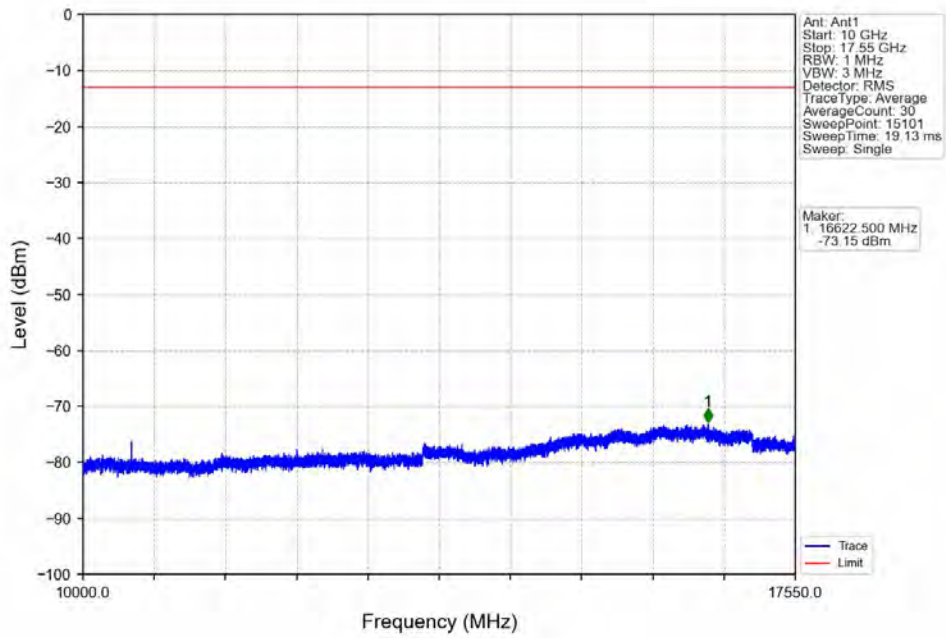




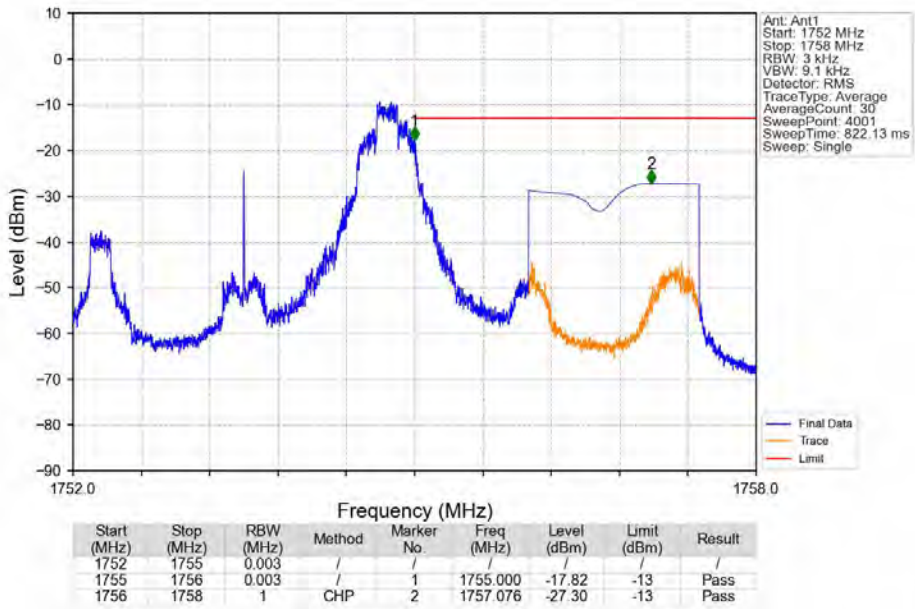
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



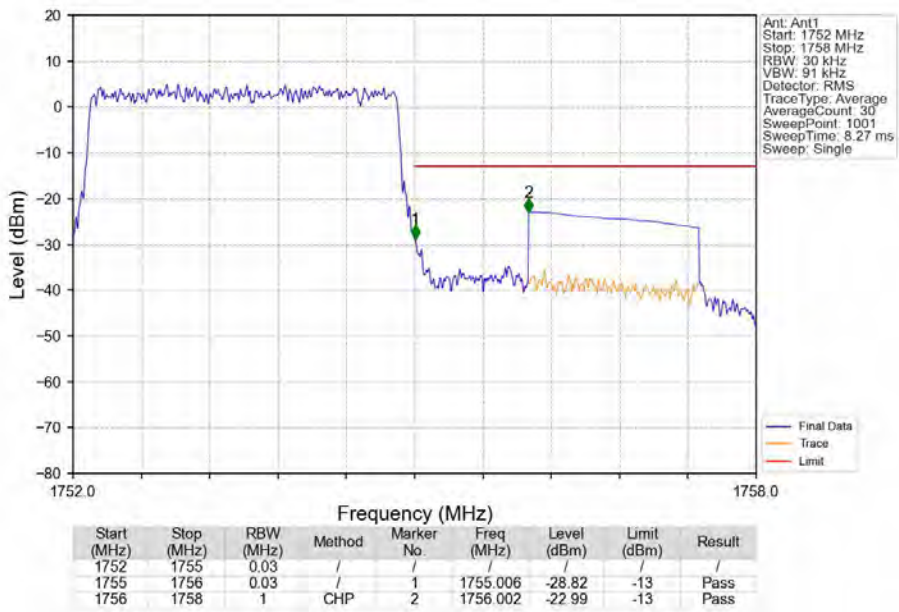
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



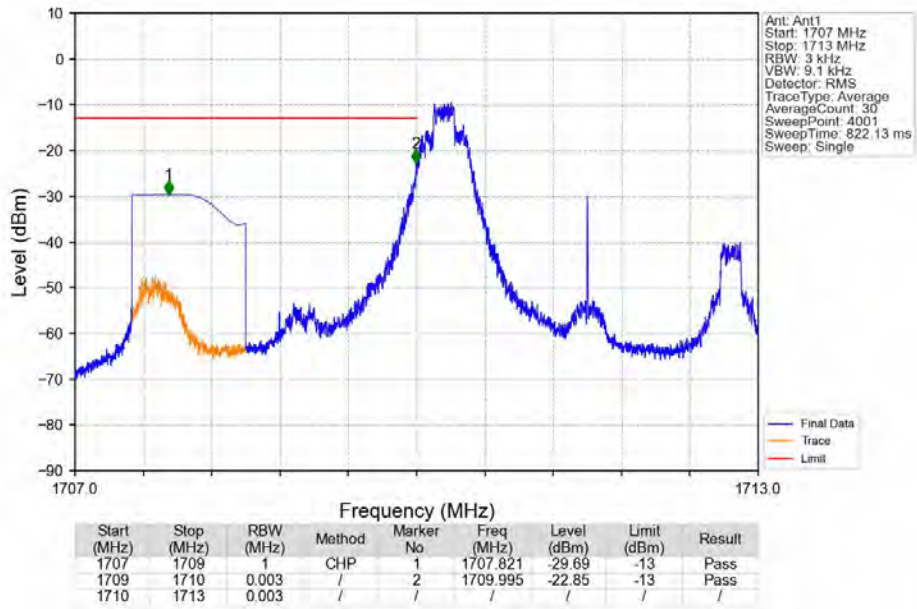
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



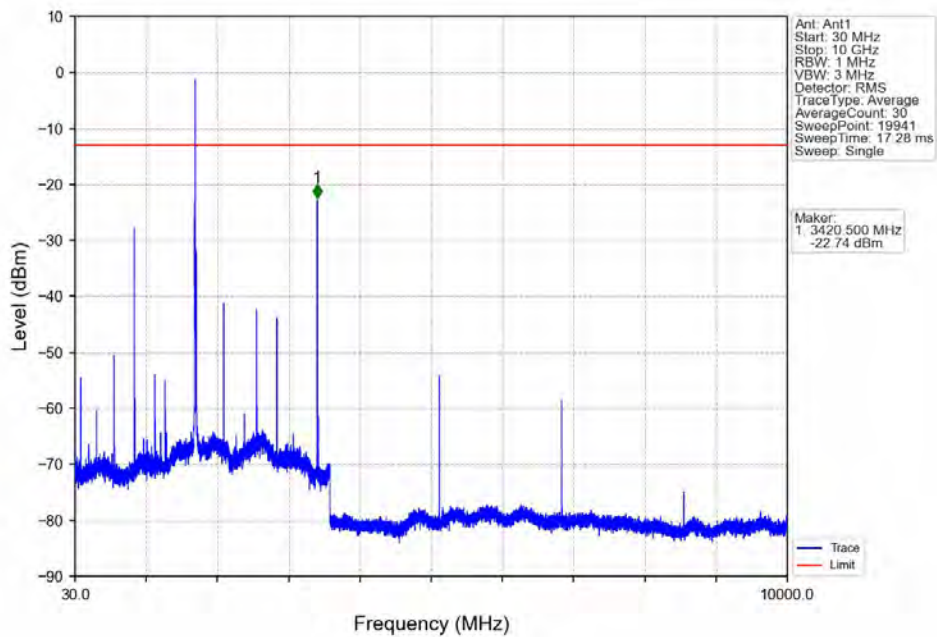
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



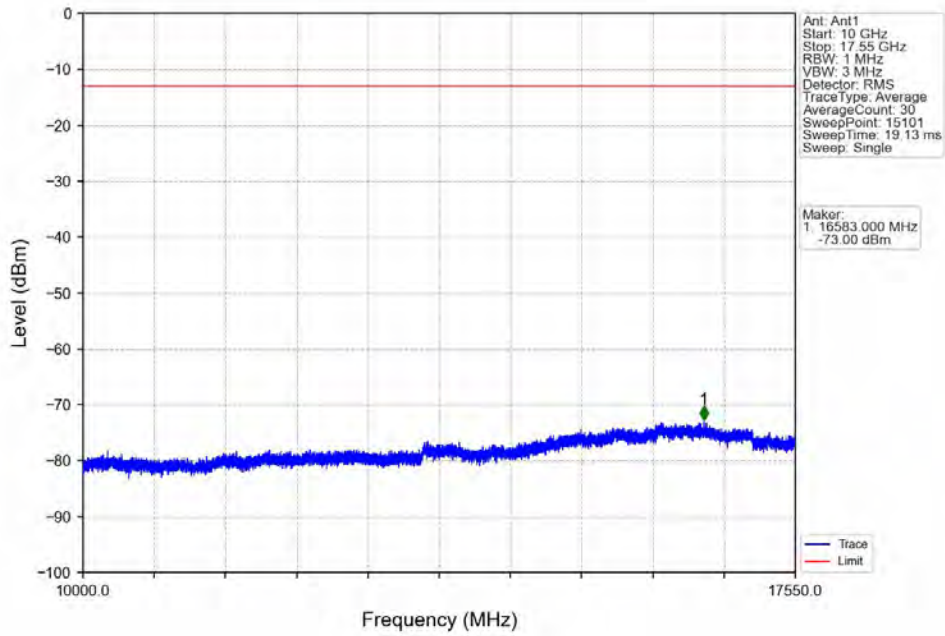
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



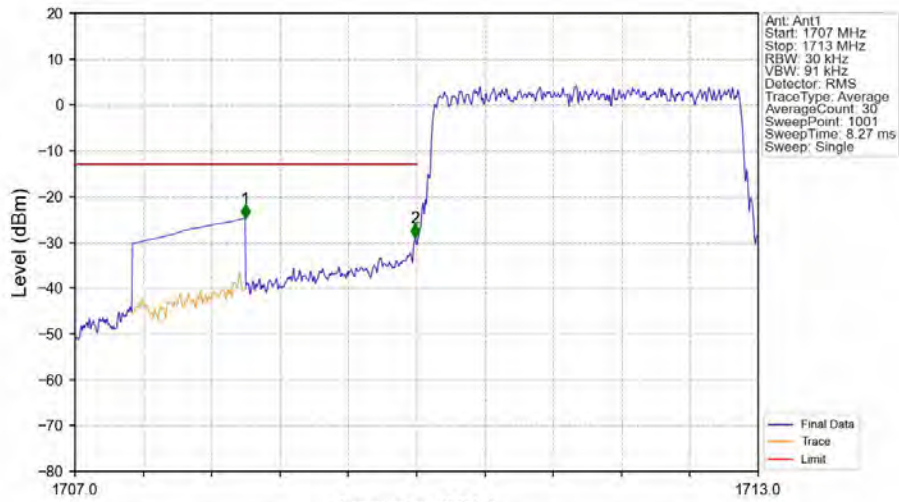
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

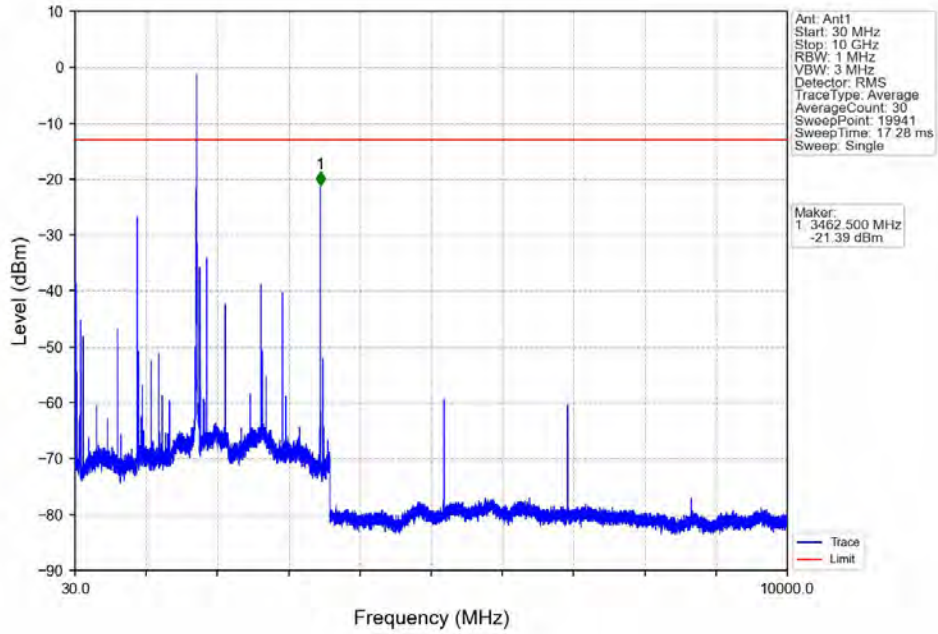


Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

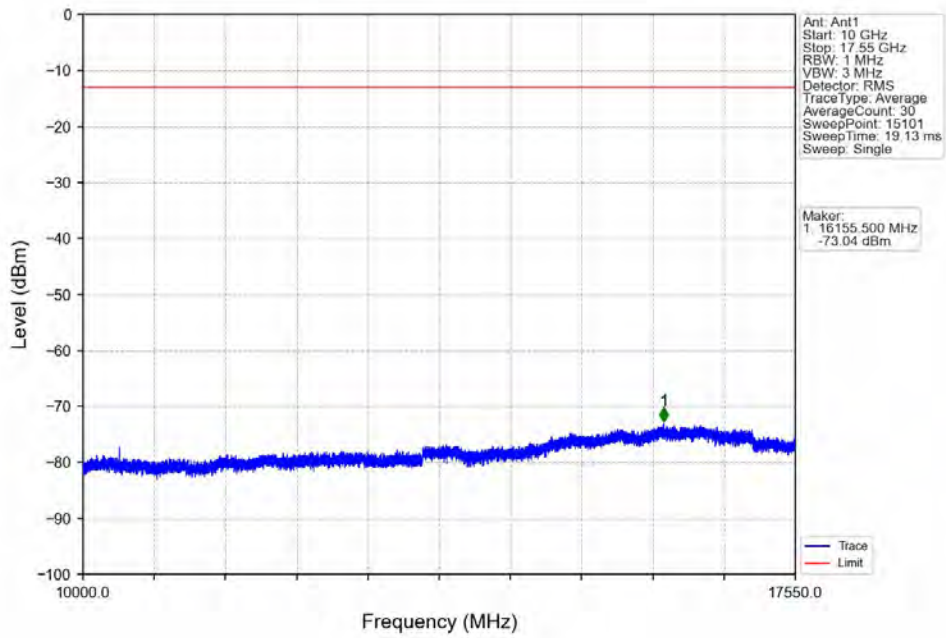


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1707        | 1709       | 1         | CHP    | 1         | 1708.494   | -24.77      | -13         | Pass   |
| 1709        | 1710       | 0.03      | /      | 2         | 1709.988   | -29.05      | -13         | Pass   |
| 1710        | 1713       | 0.03      | /      | /         | /          | /           | /           | /      |

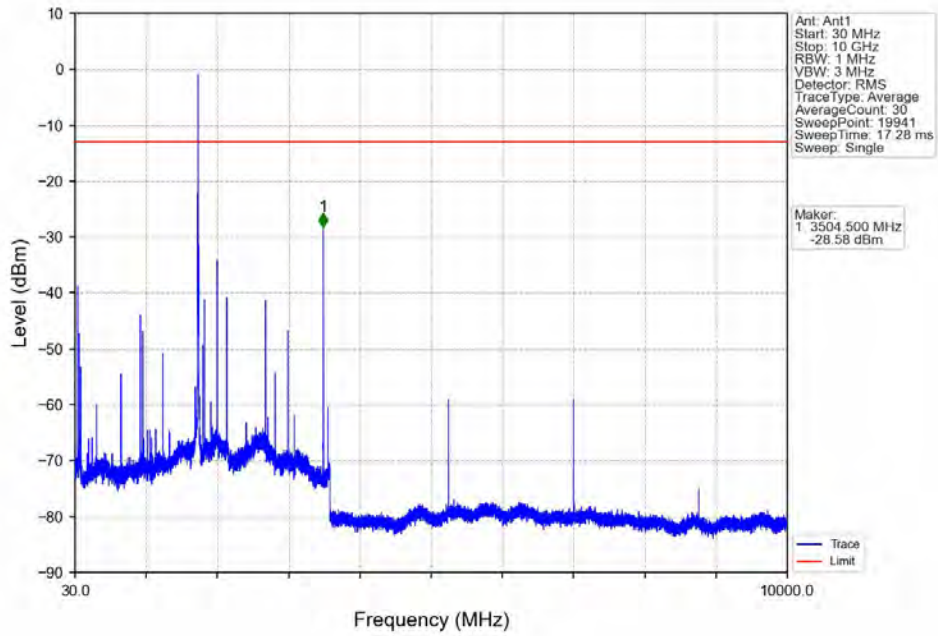
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



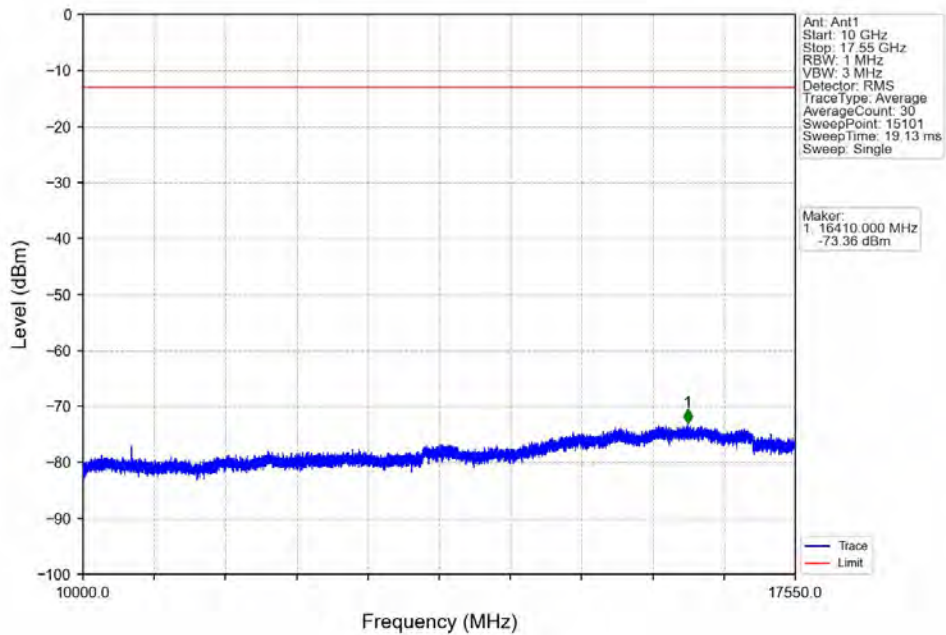
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



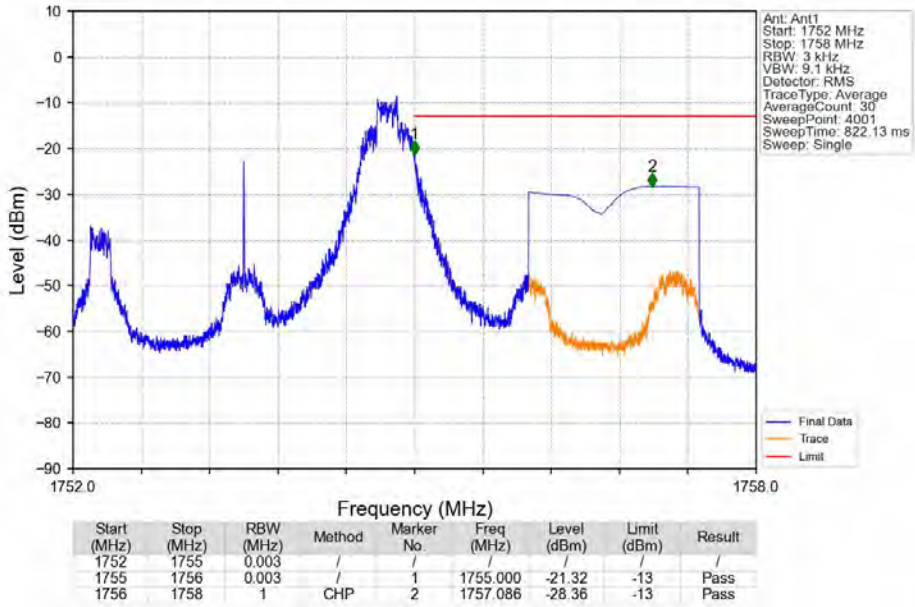
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



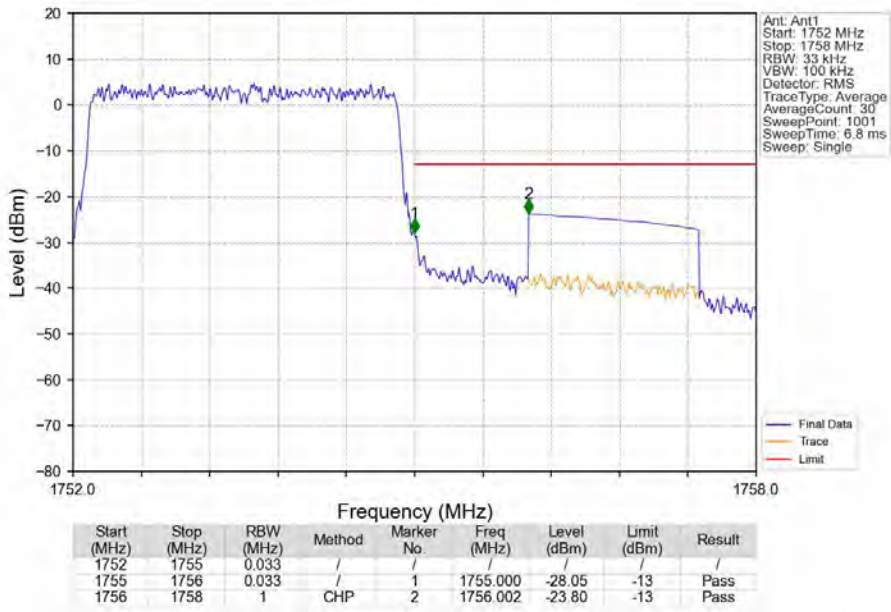
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



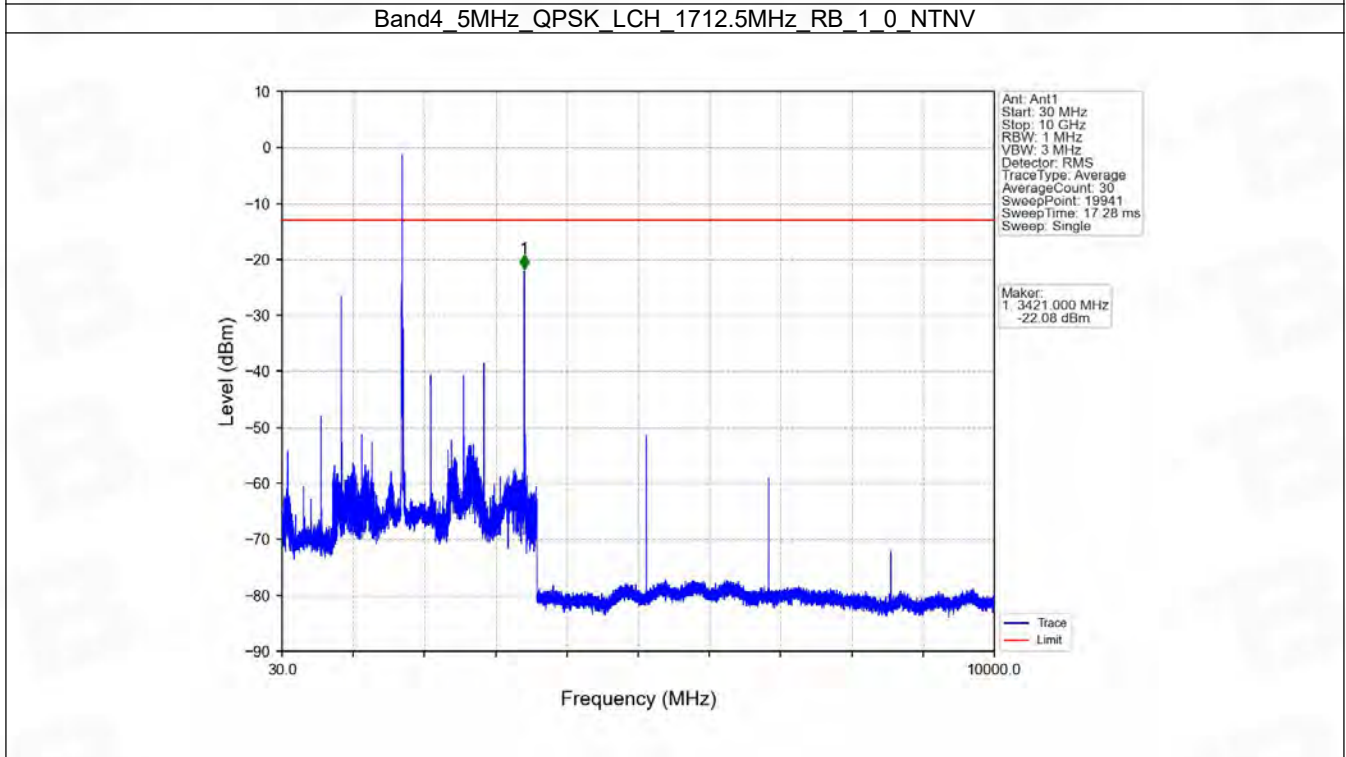
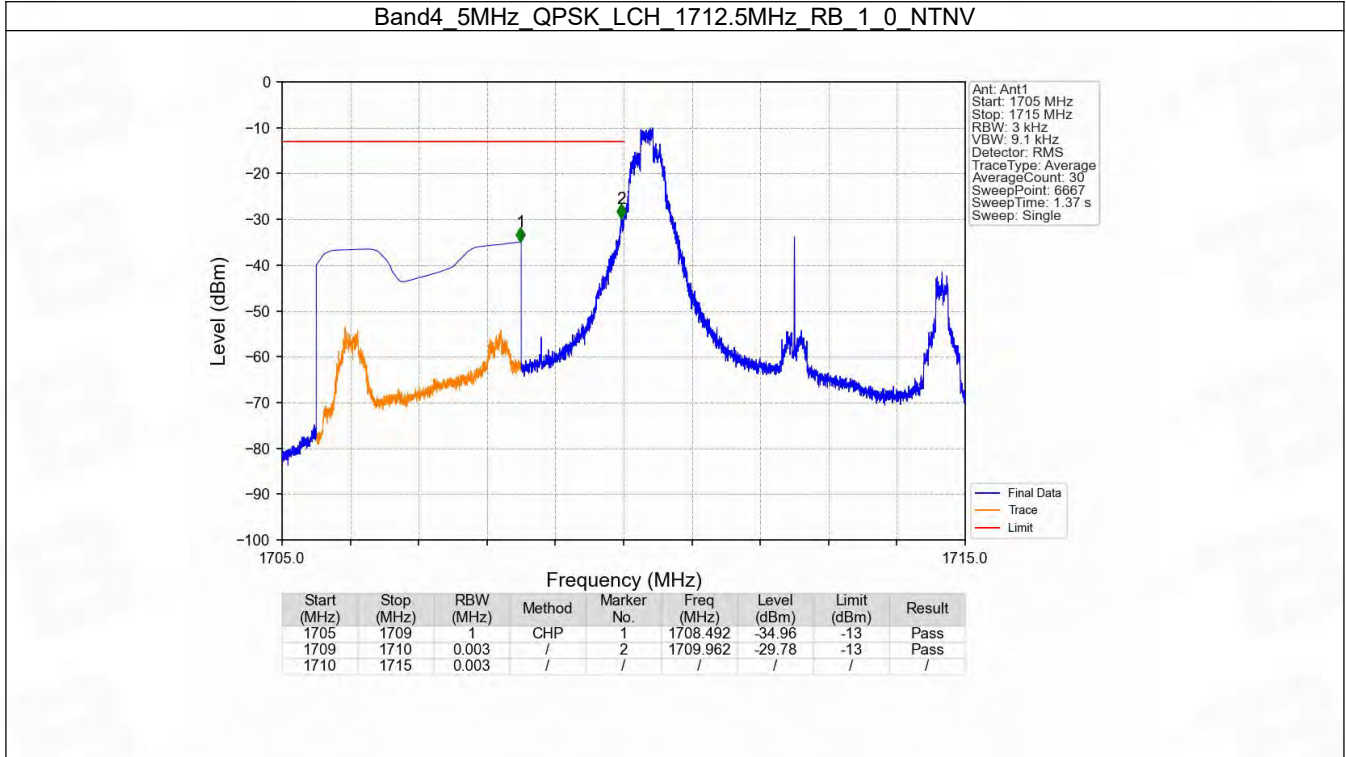
## 6.3 B4\_5MHz

### 6.3.1 Test Result

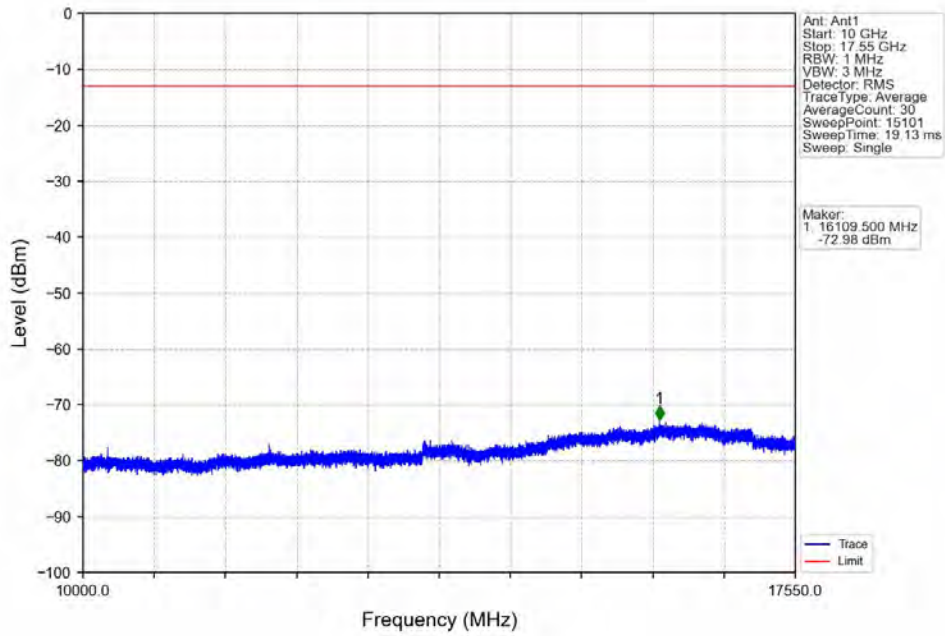
| Band: 4 / Bandwidth: 5MHz / NTV |                 |               |        |                     |       |         |
|---------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                 |                 | Size          | Offset | Result              | Limit |         |
| QPSK                            | 1712.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                 | 1752.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                 |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 |               | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                           | 1712.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                 |                 | 25            | 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    |
|                                 |                 |               | 0      | Refer To Test Graph |       | Pass    |



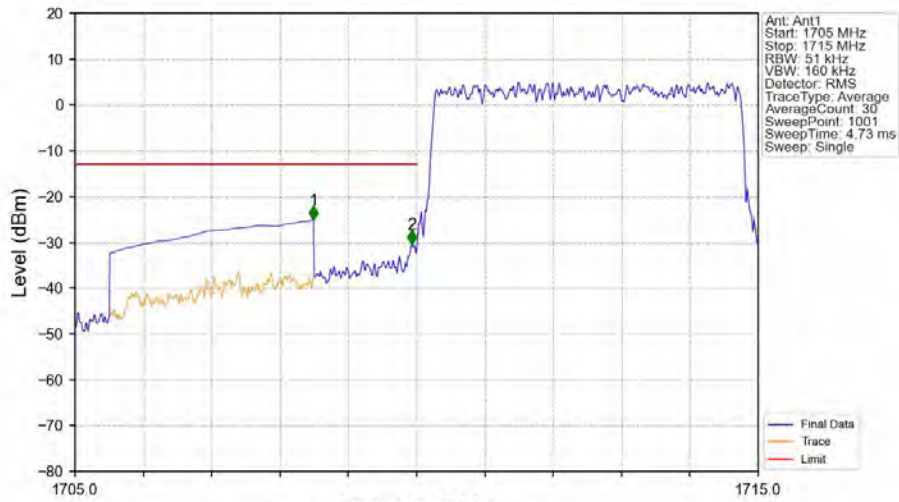
### 6.3.2 Test Graph



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

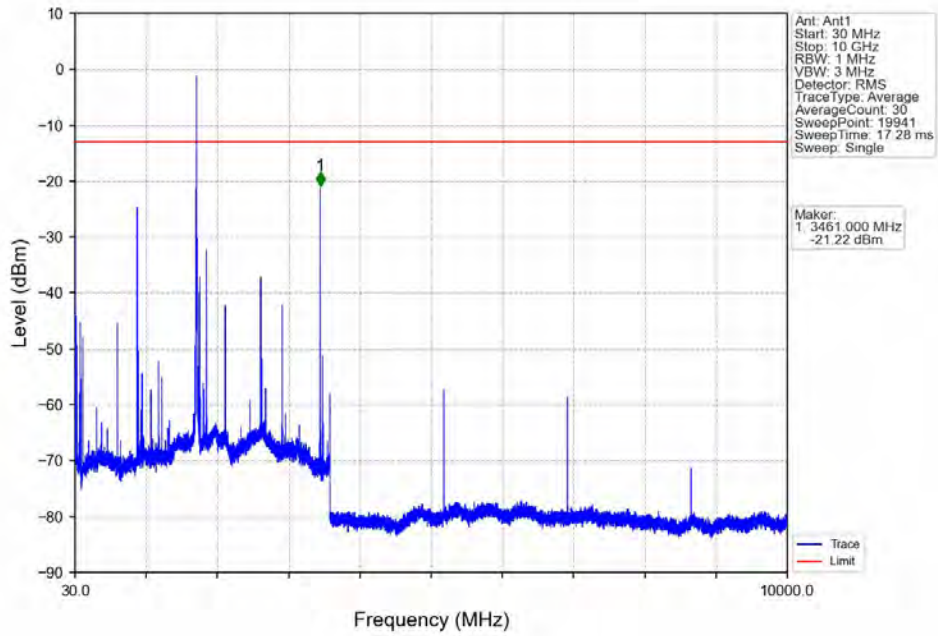


Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

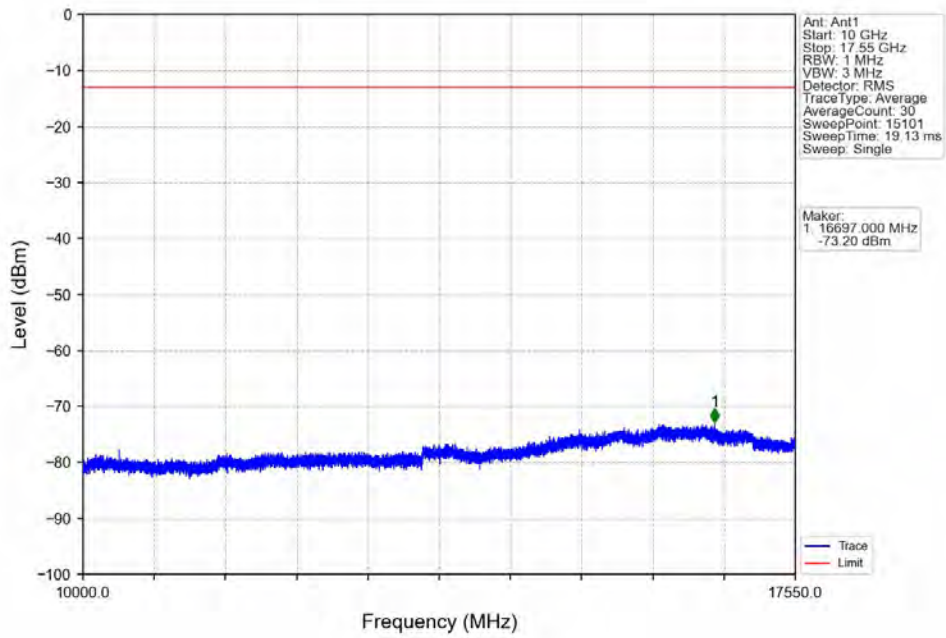


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1705        | 1709       | 1         | CHP    | 1          | 1708.490   | -25.11      | -13         | Pass   |
| 1709        | 1710       | 0.051     | /      | 2          | 1709.930   | -30.42      | -13         | Pass   |
| 1710        | 1715       | 0.051     | /      | /          | /          | /           | /           | /      |

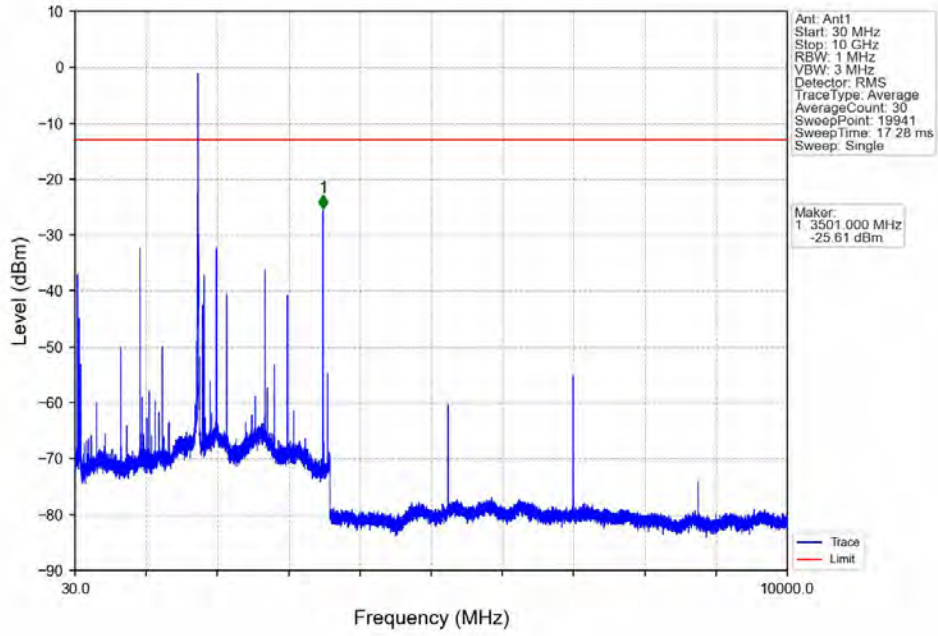
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



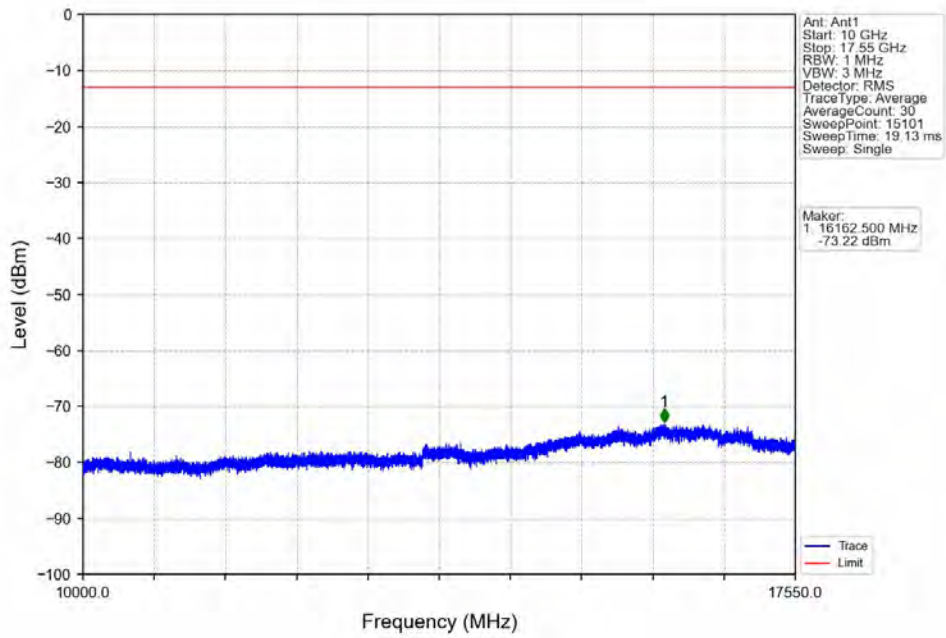
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



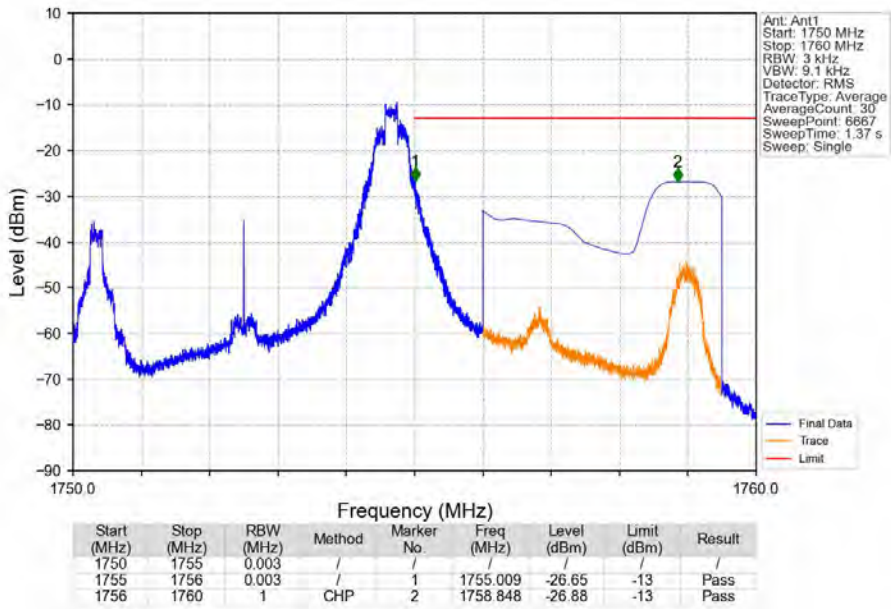
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



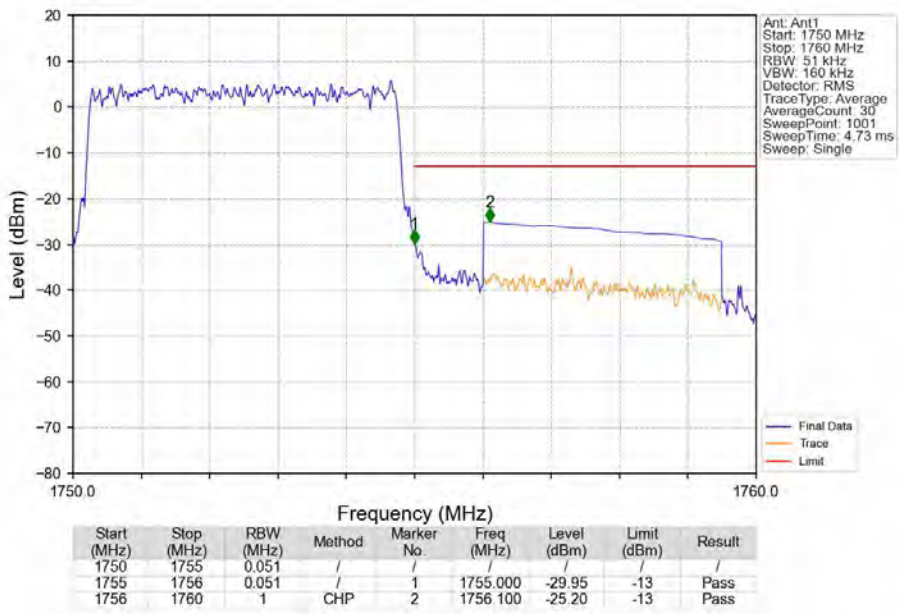
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



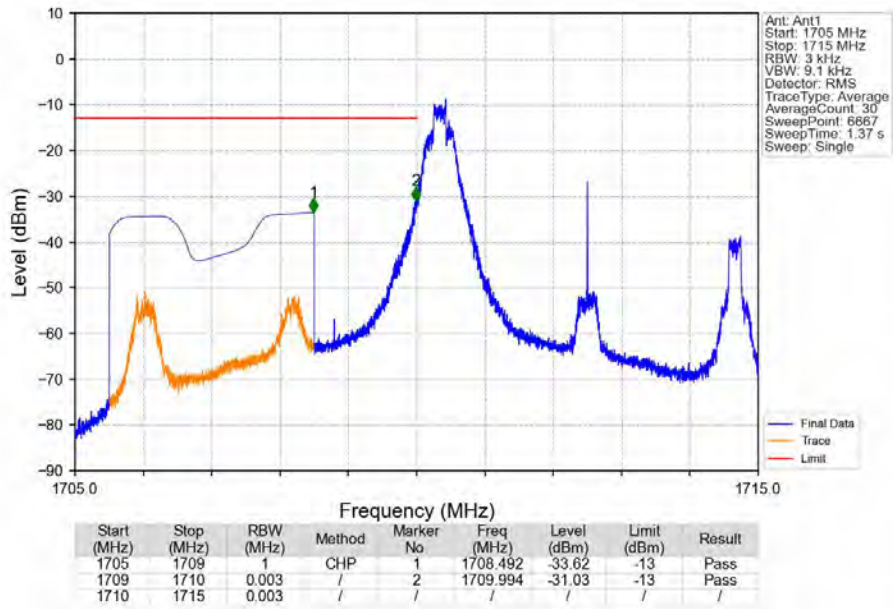
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



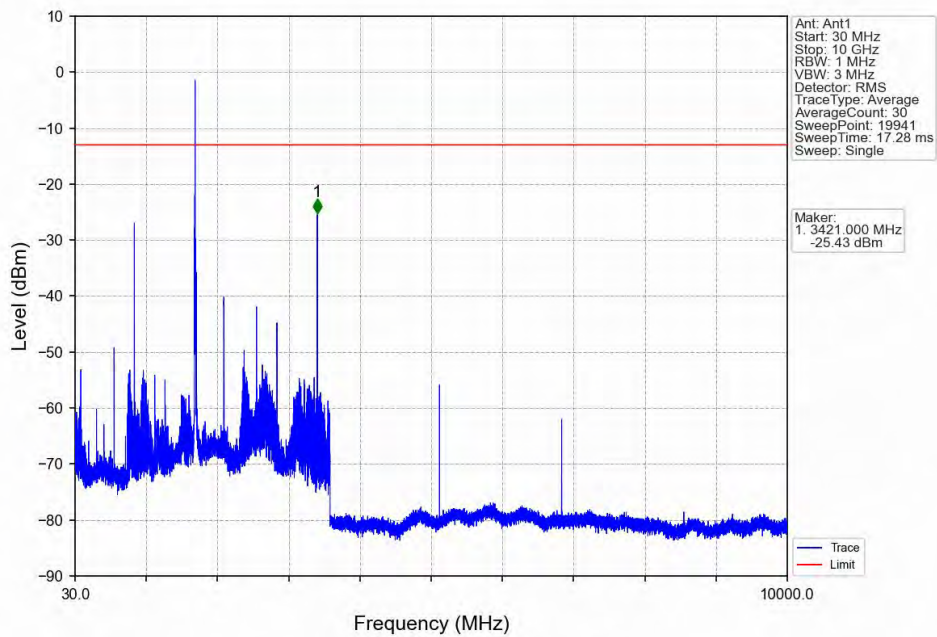
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



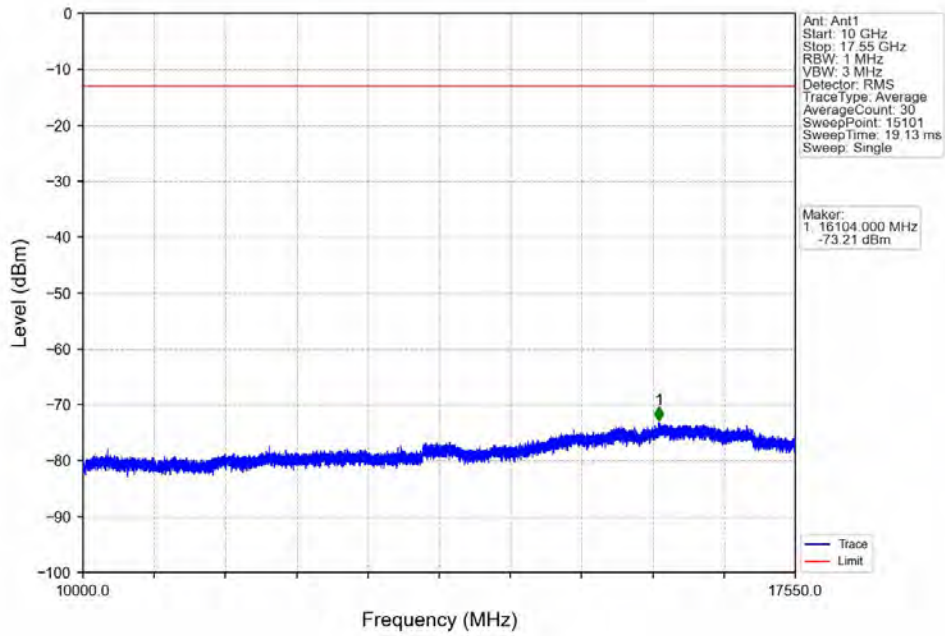
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



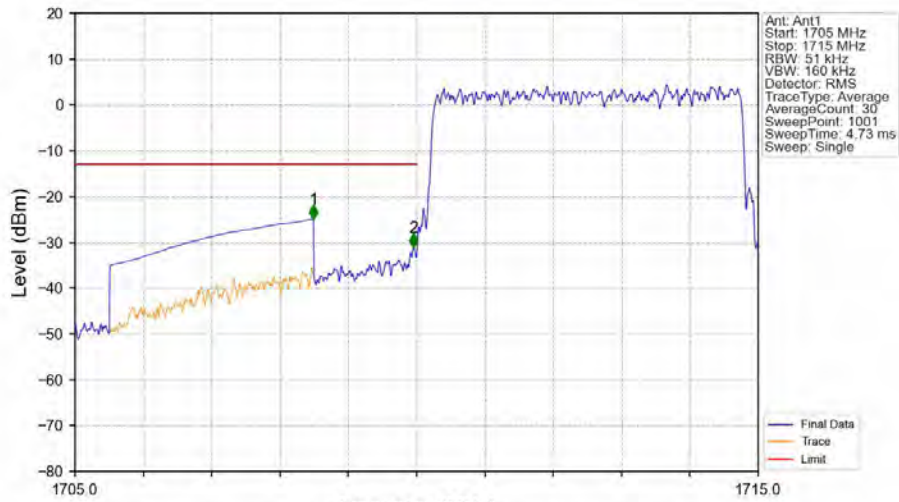
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

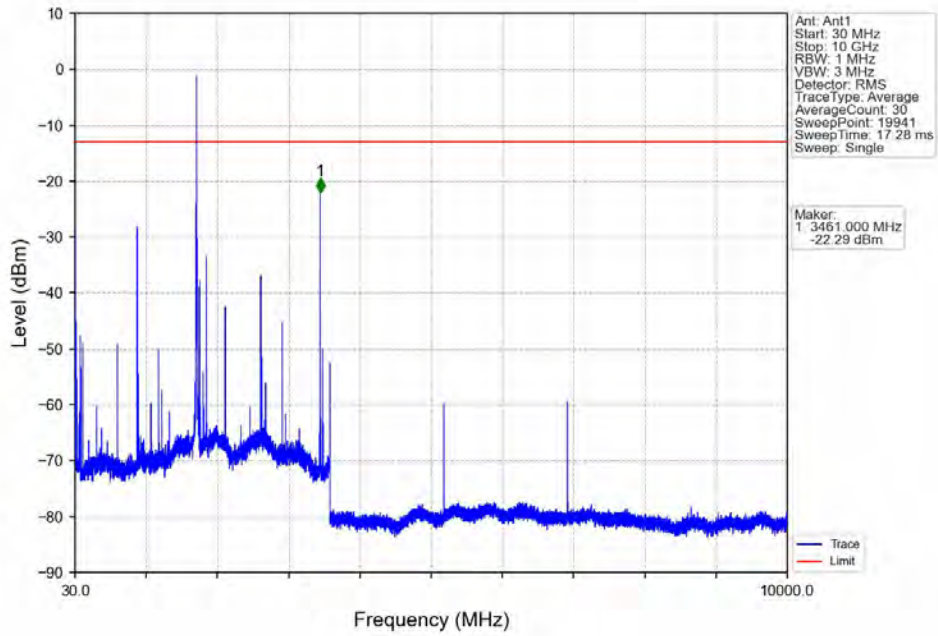


Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

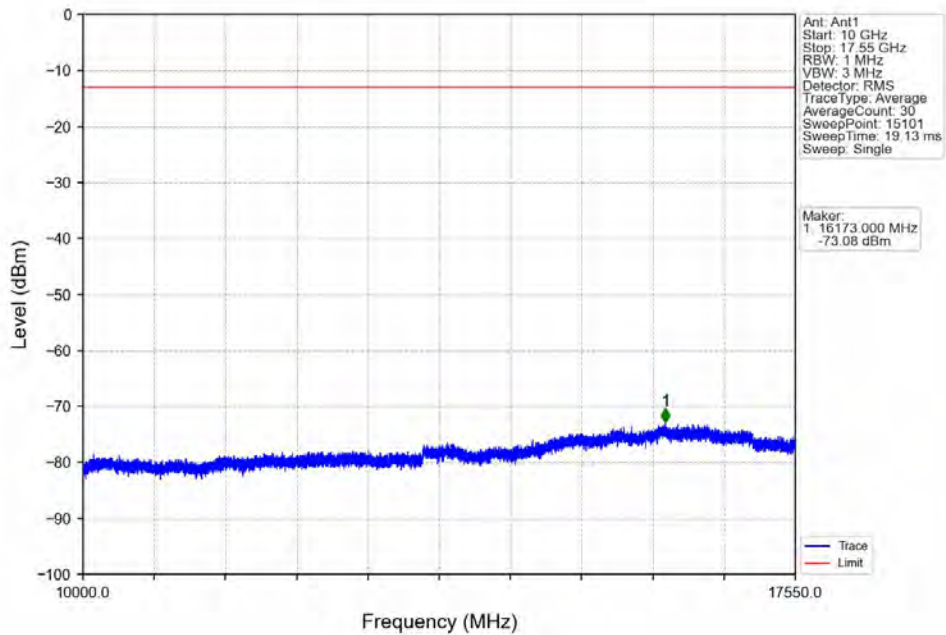


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1705        | 1709       | 1         | CHP    | 1          | 1708.490   | -24.98      | -13         | Pass   |
| 1709        | 1710       | 0.051     | /      | 2          | 1709.950   | -31.15      | -13         | Pass   |
| 1710        | 1715       | 0.051     | /      | /          | /          | /           | /           | /      |

Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

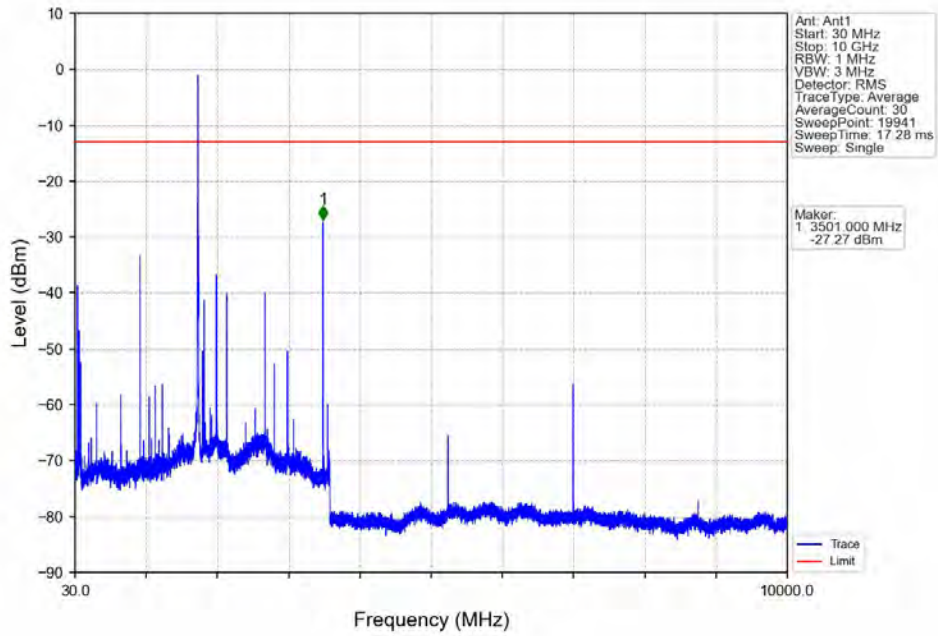


Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

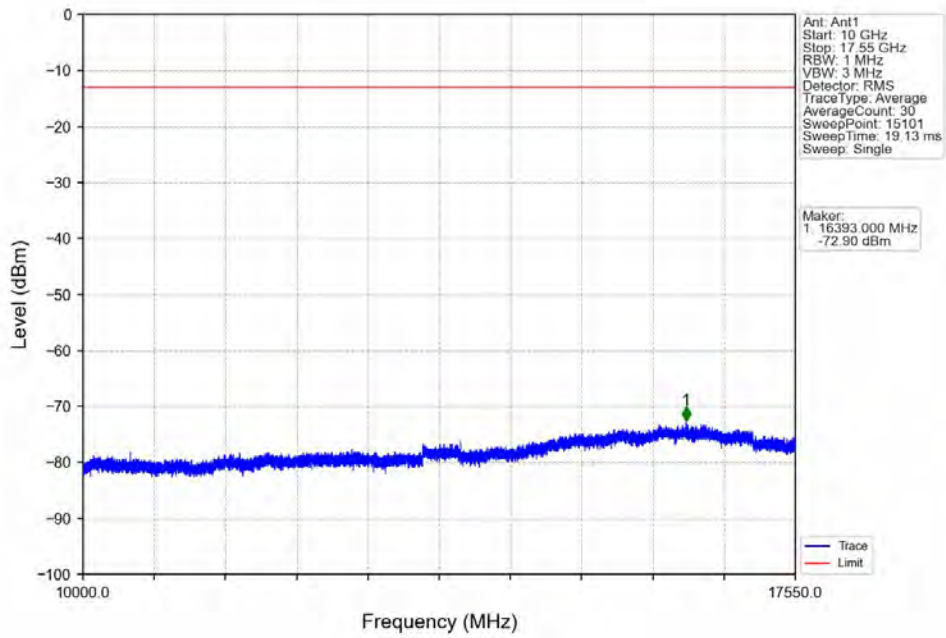




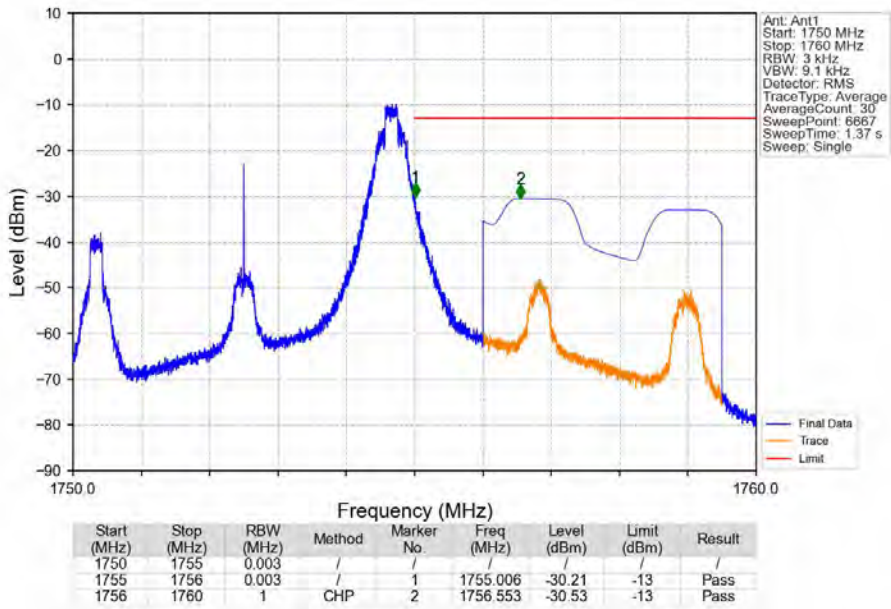
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



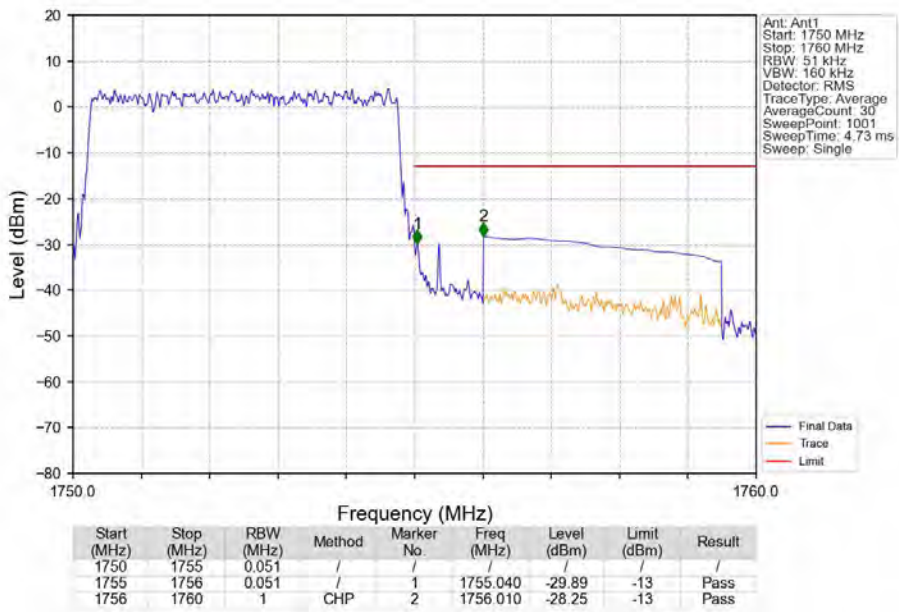
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

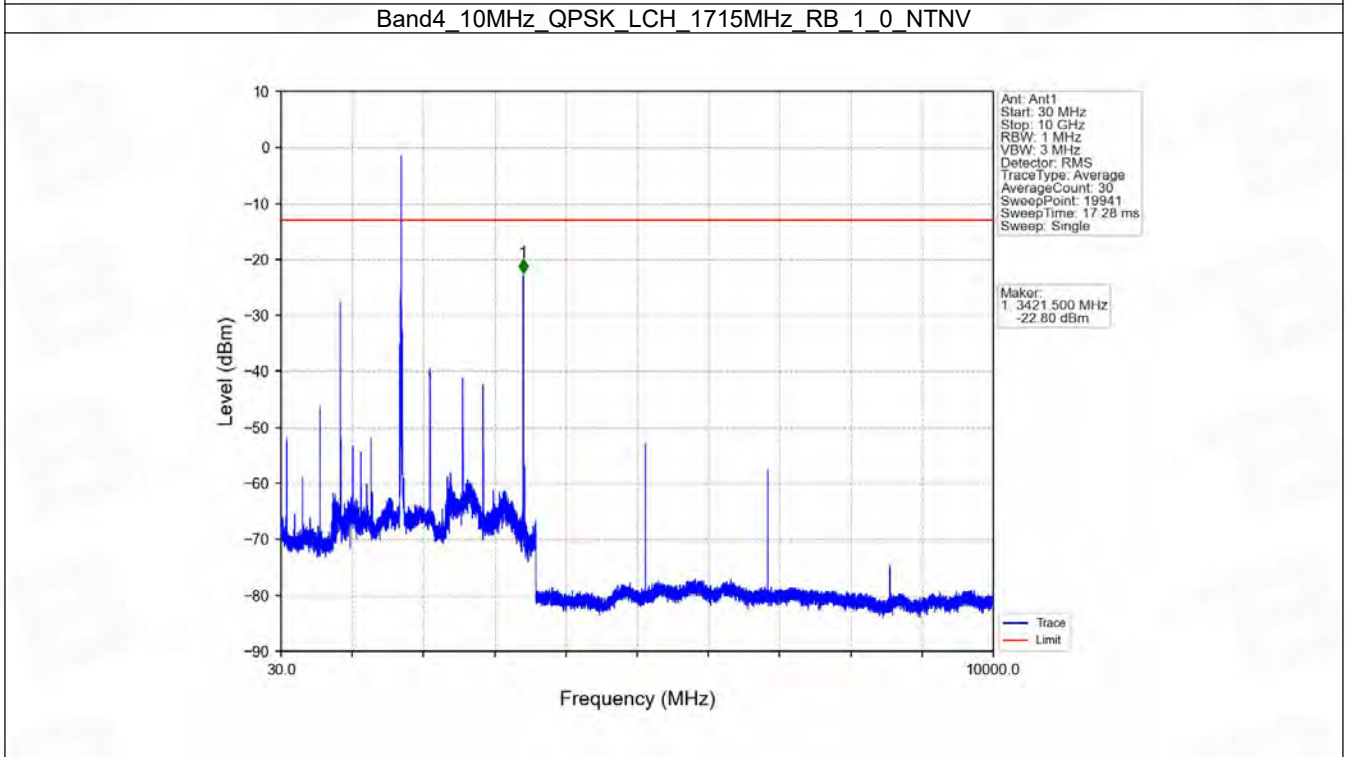
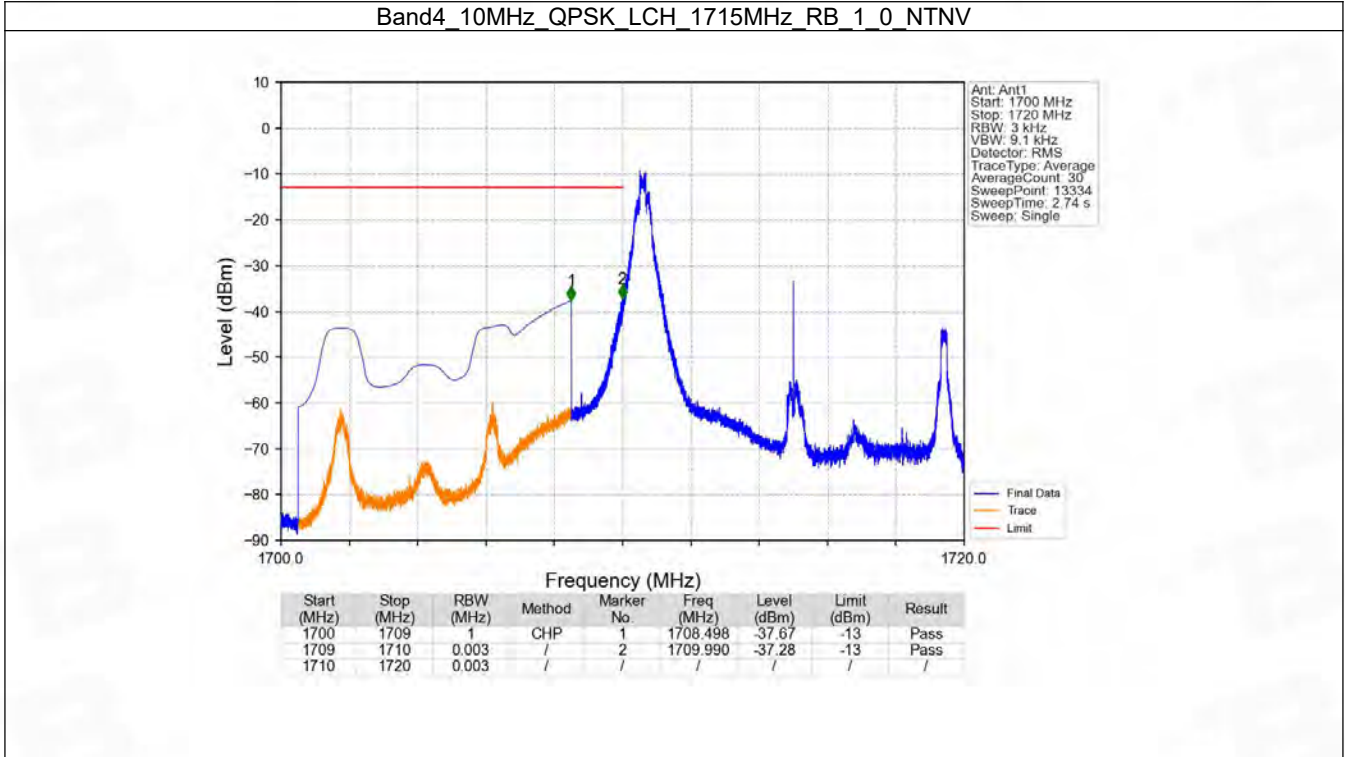


## 6.4 B4\_10MHz

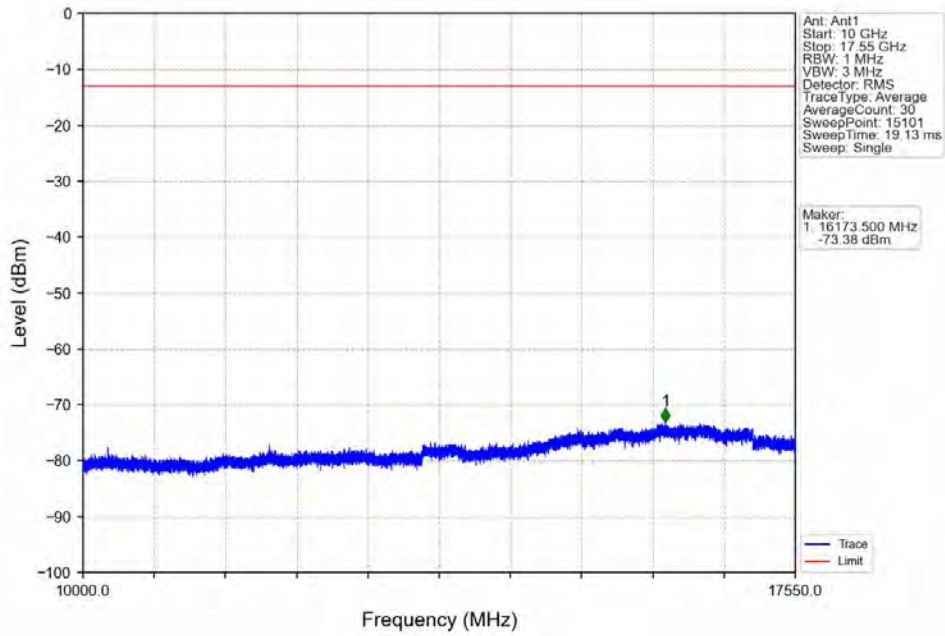
### 6.4.1 Test Result

| 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    |
| 16QAM                            | 1715            | 1             | 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    |

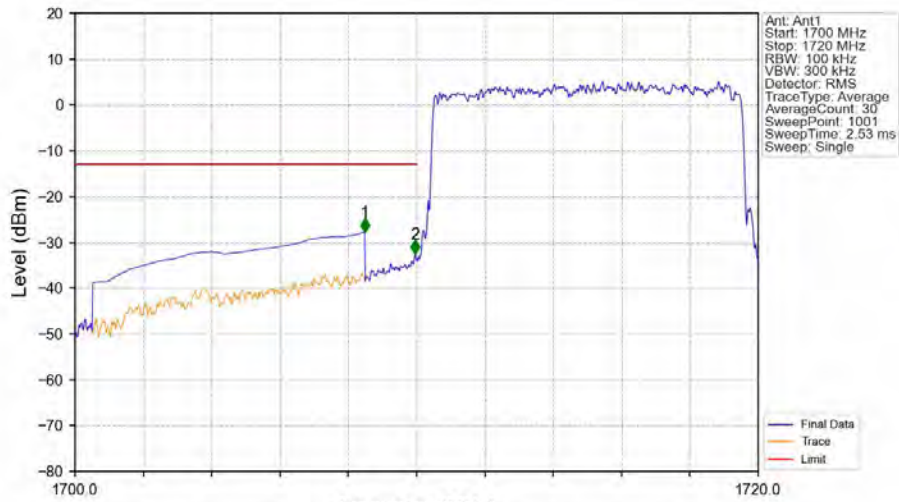
### 6.4.2 Test Graph



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

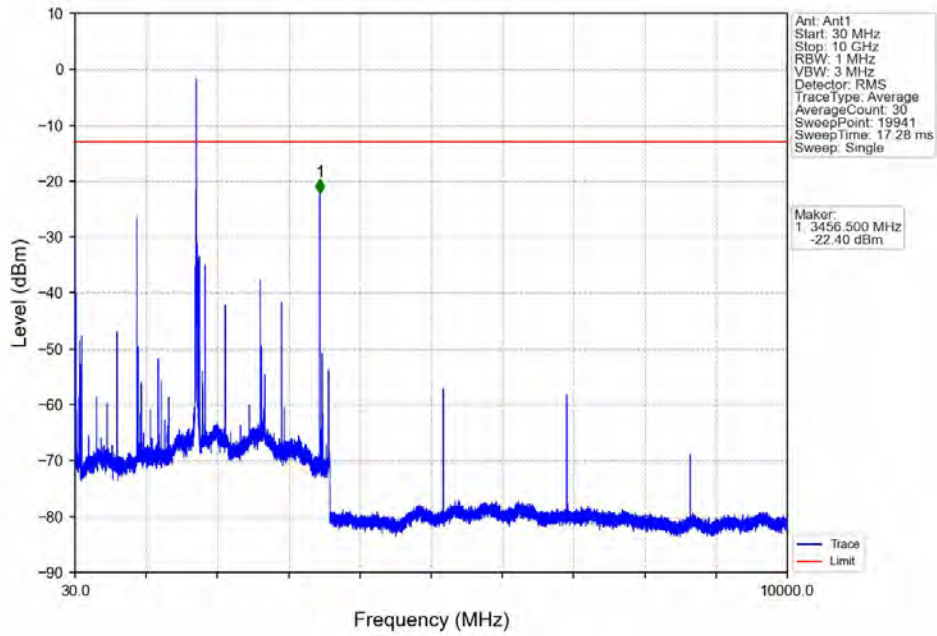


Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV

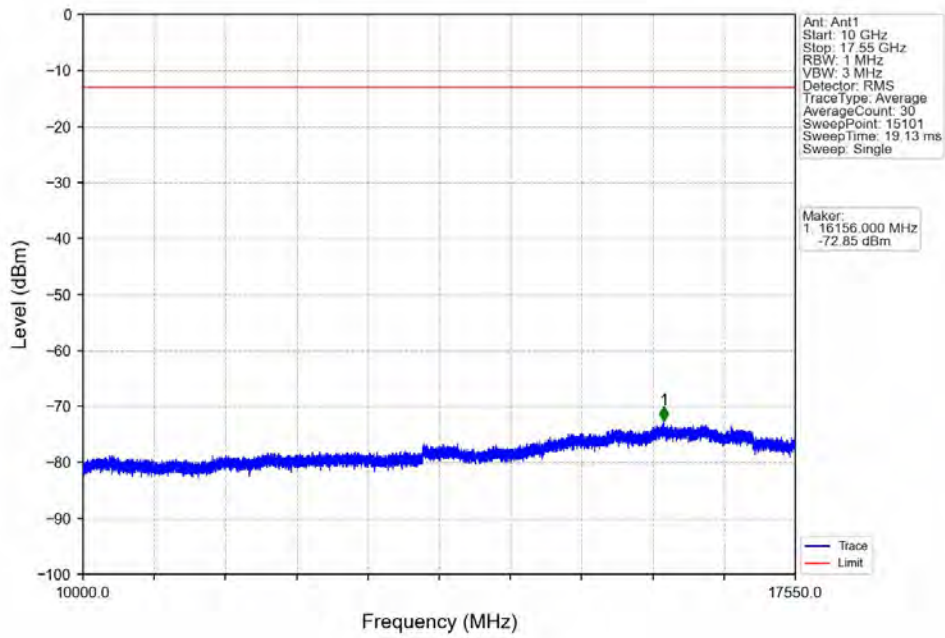


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1700        | 1709       | 1         | CHP    | 1          | 1708.480   | -27.83      | -13         | Pass   |
| 1709        | 1710       | 0.1       | /      | 2          | 1709.960   | -32.56      | -13         | Pass   |
| 1710        | 1720       | 0.1       | /      | /          | /          | /           | /           | /      |

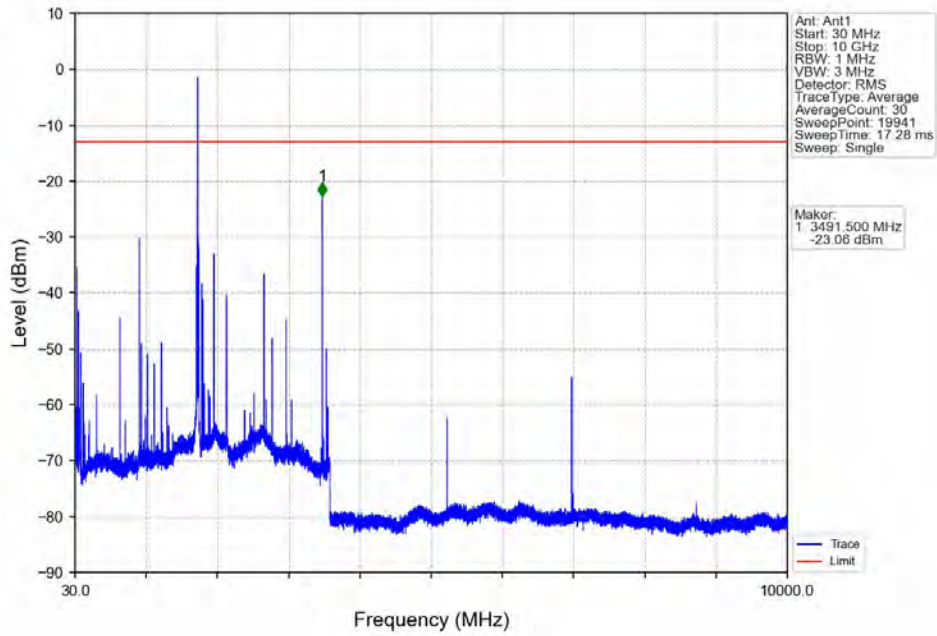
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



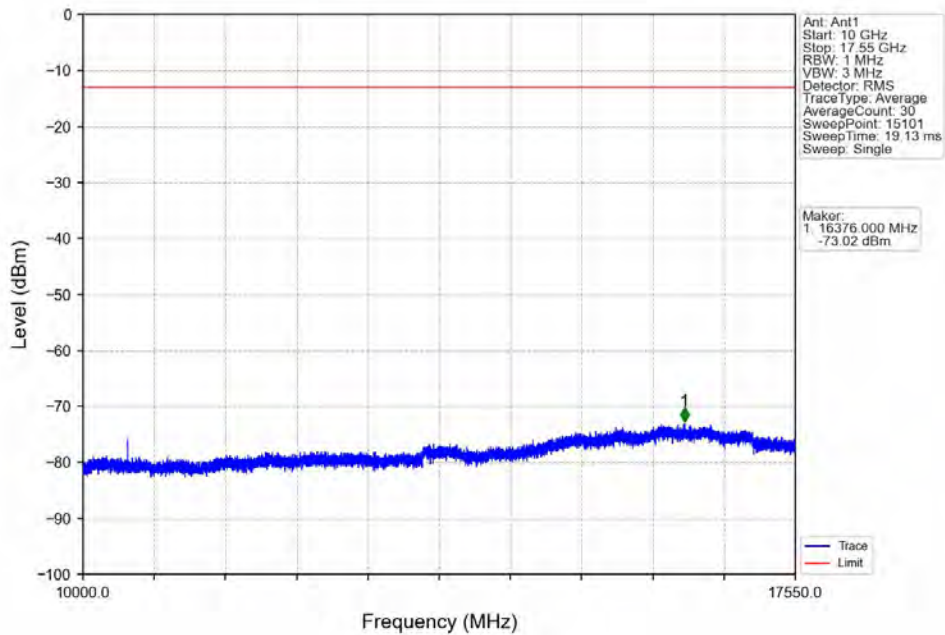
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



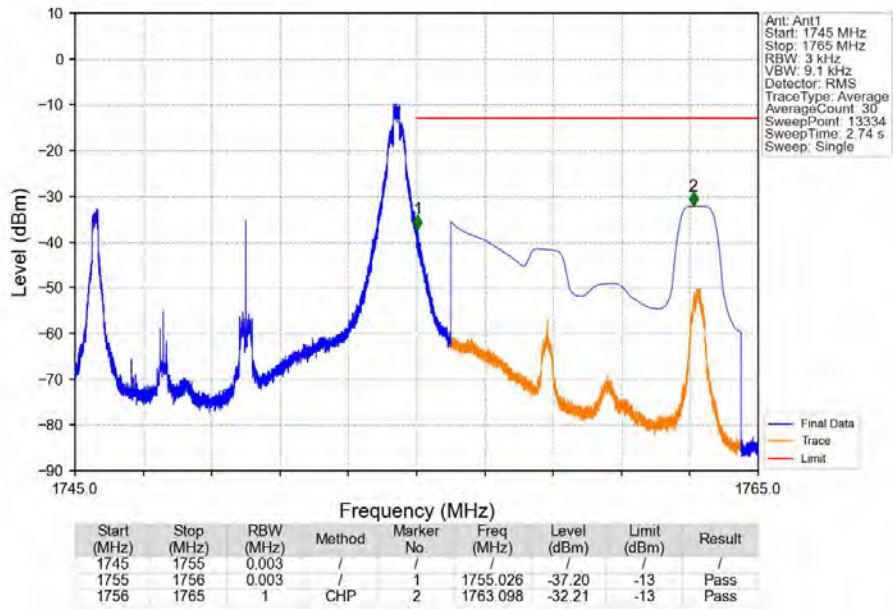
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



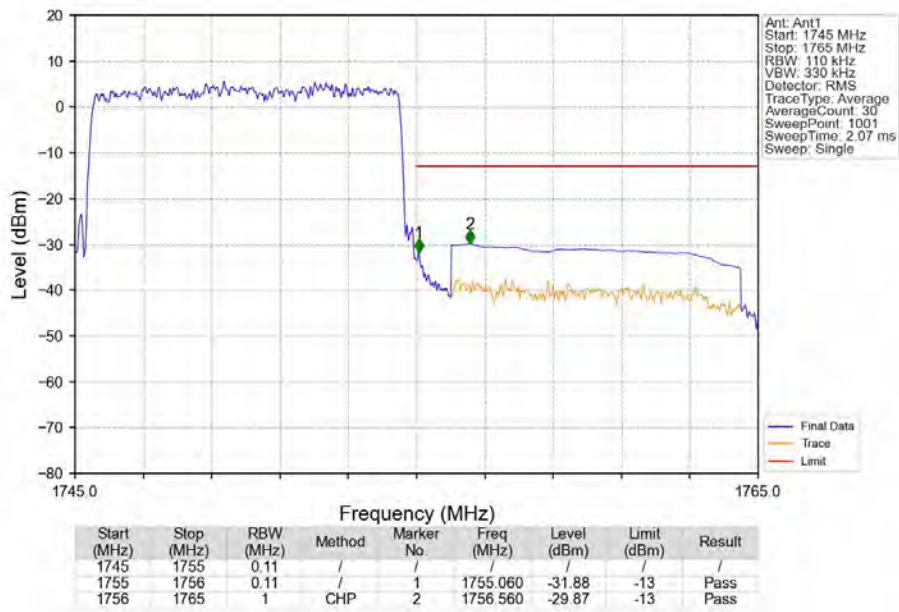
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



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

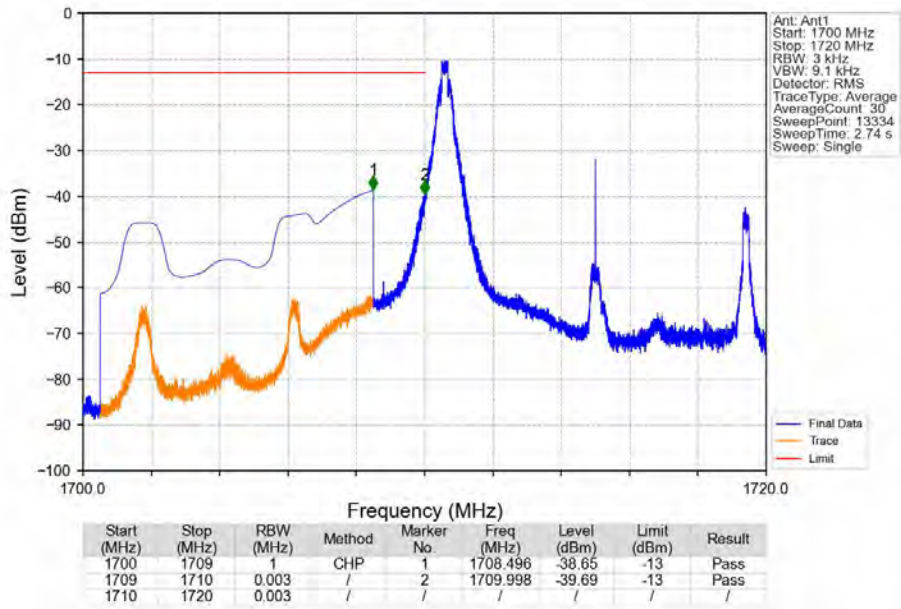


Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV

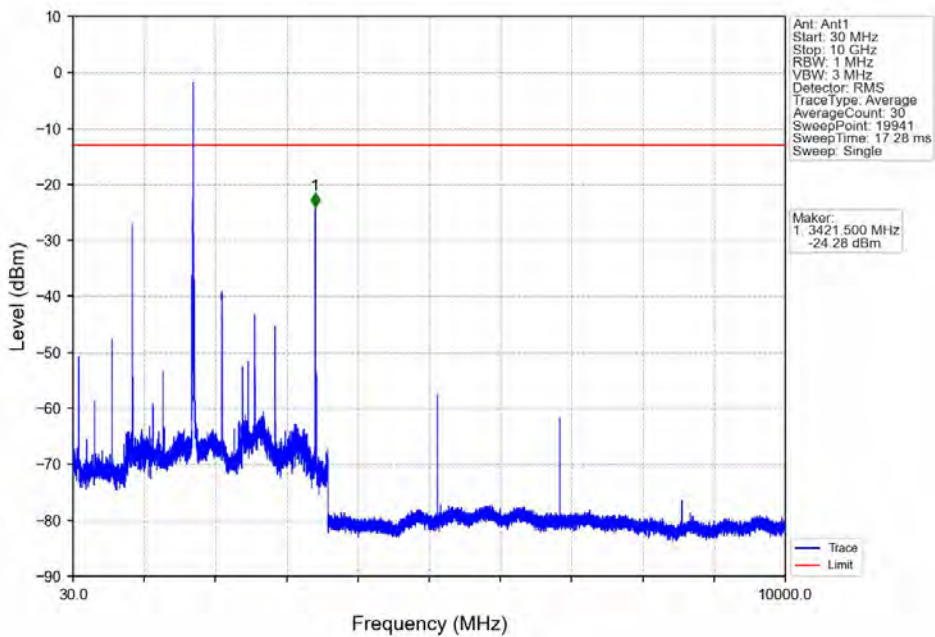




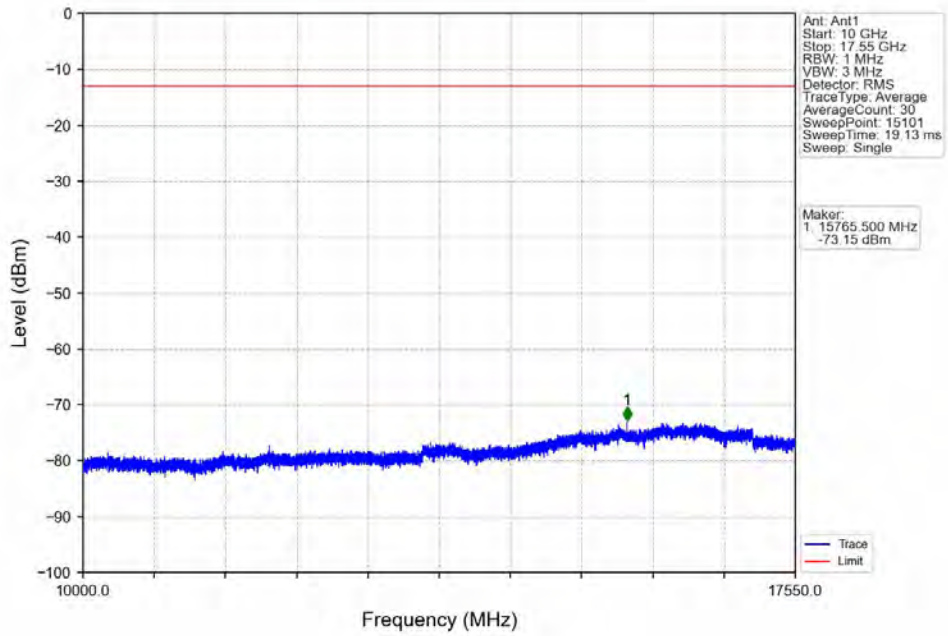
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



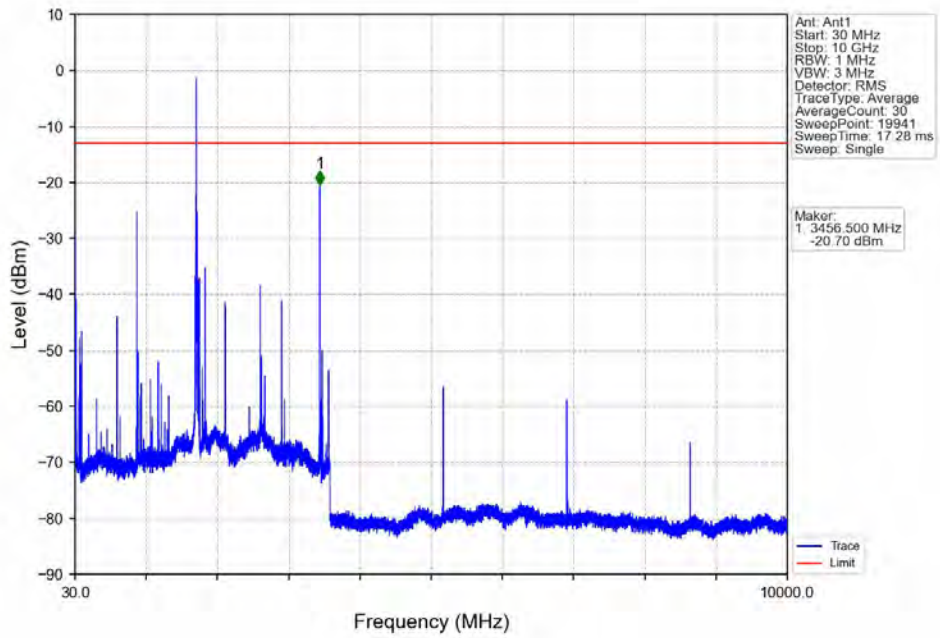
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



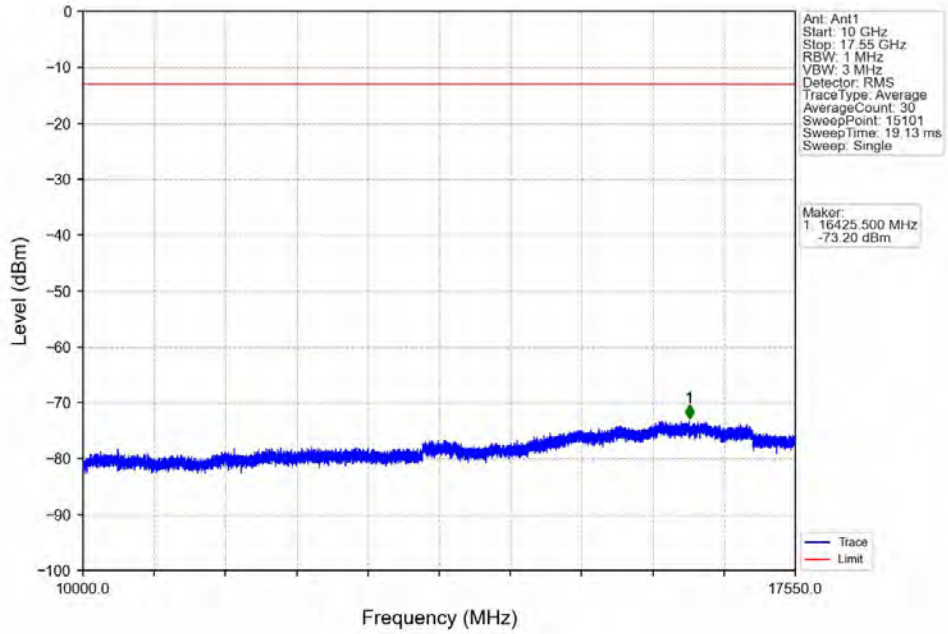
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



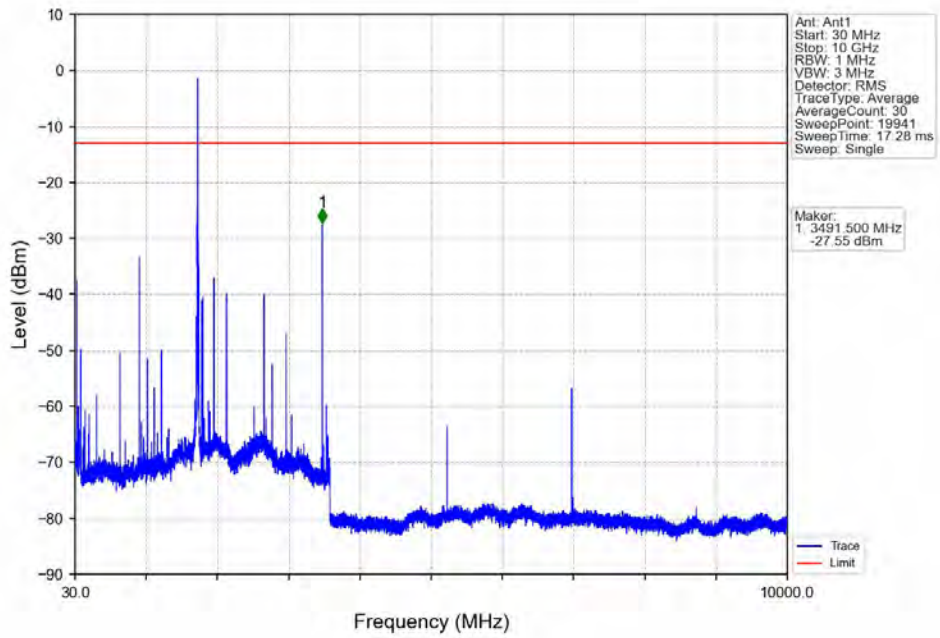
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



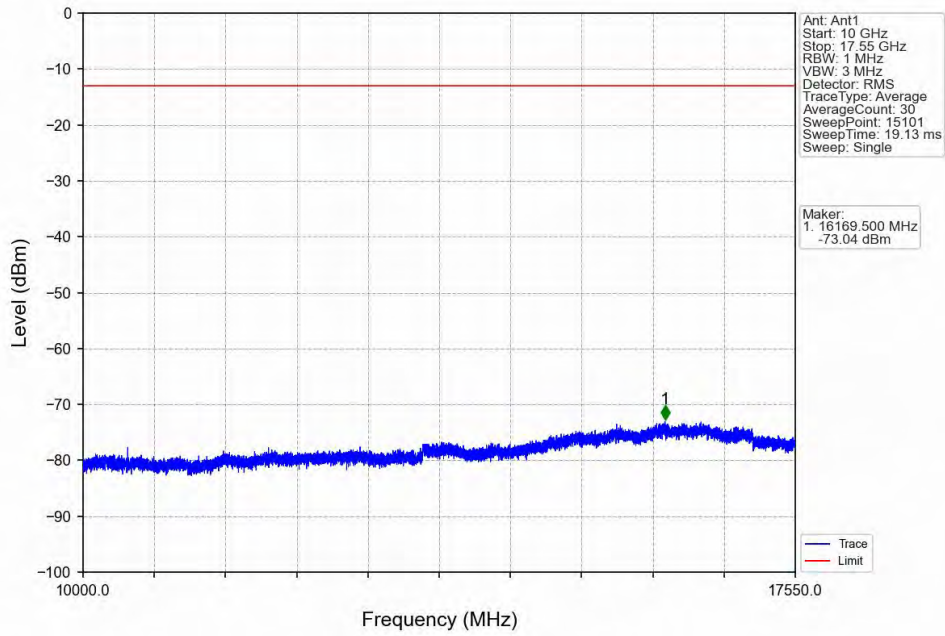
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



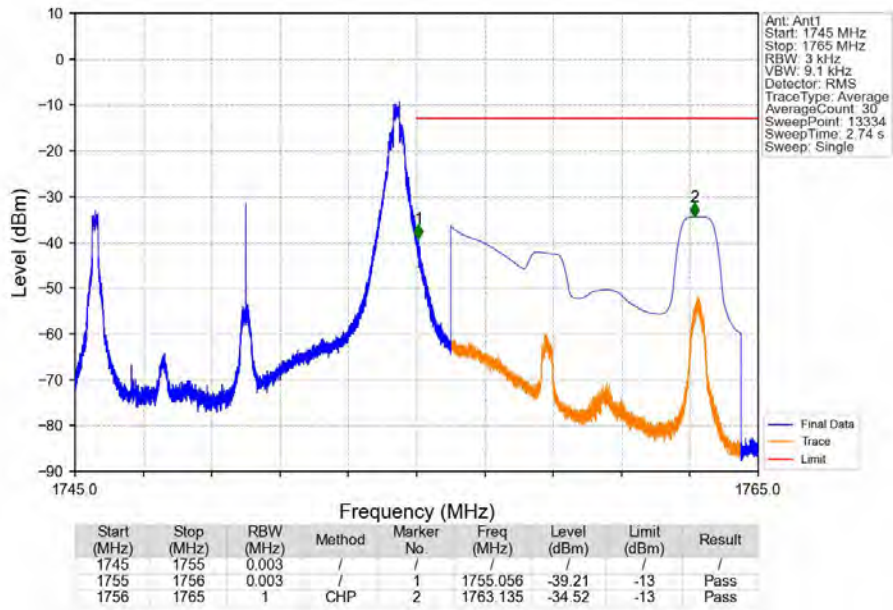
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_49\_NTNV

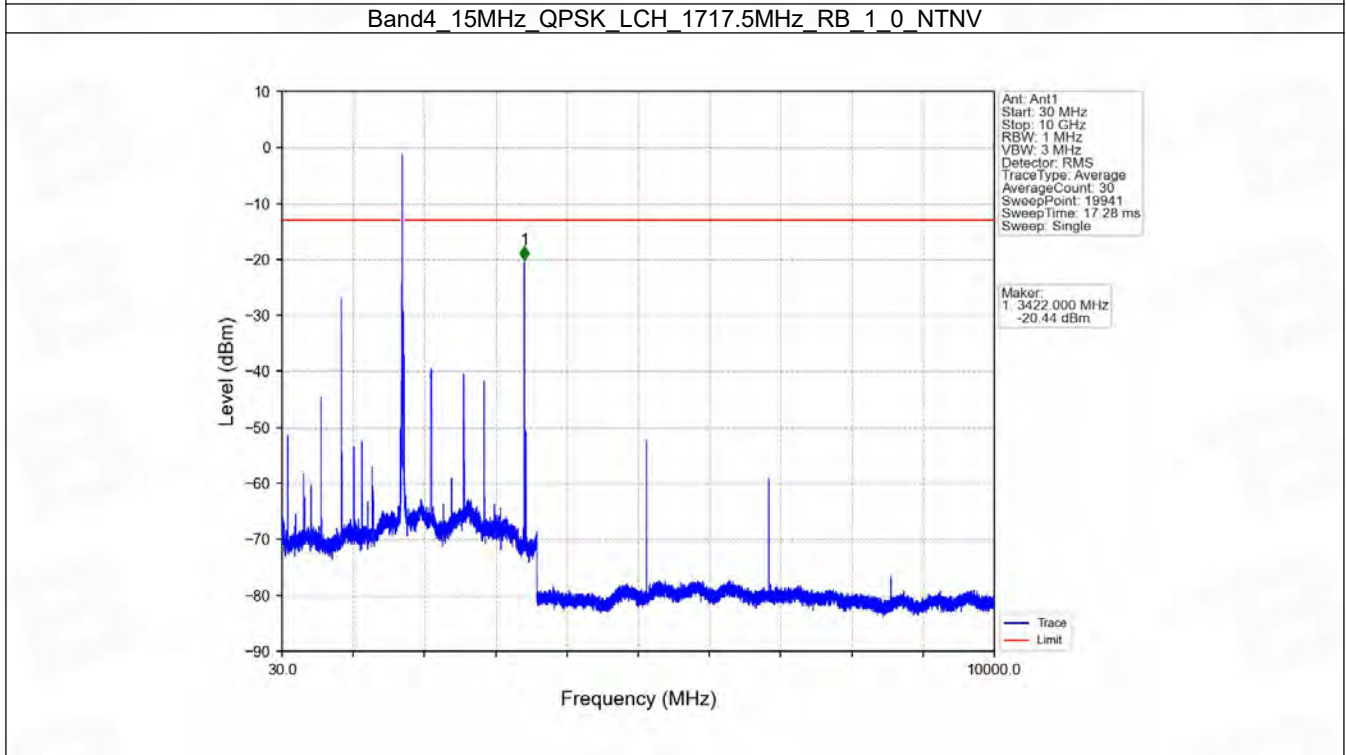
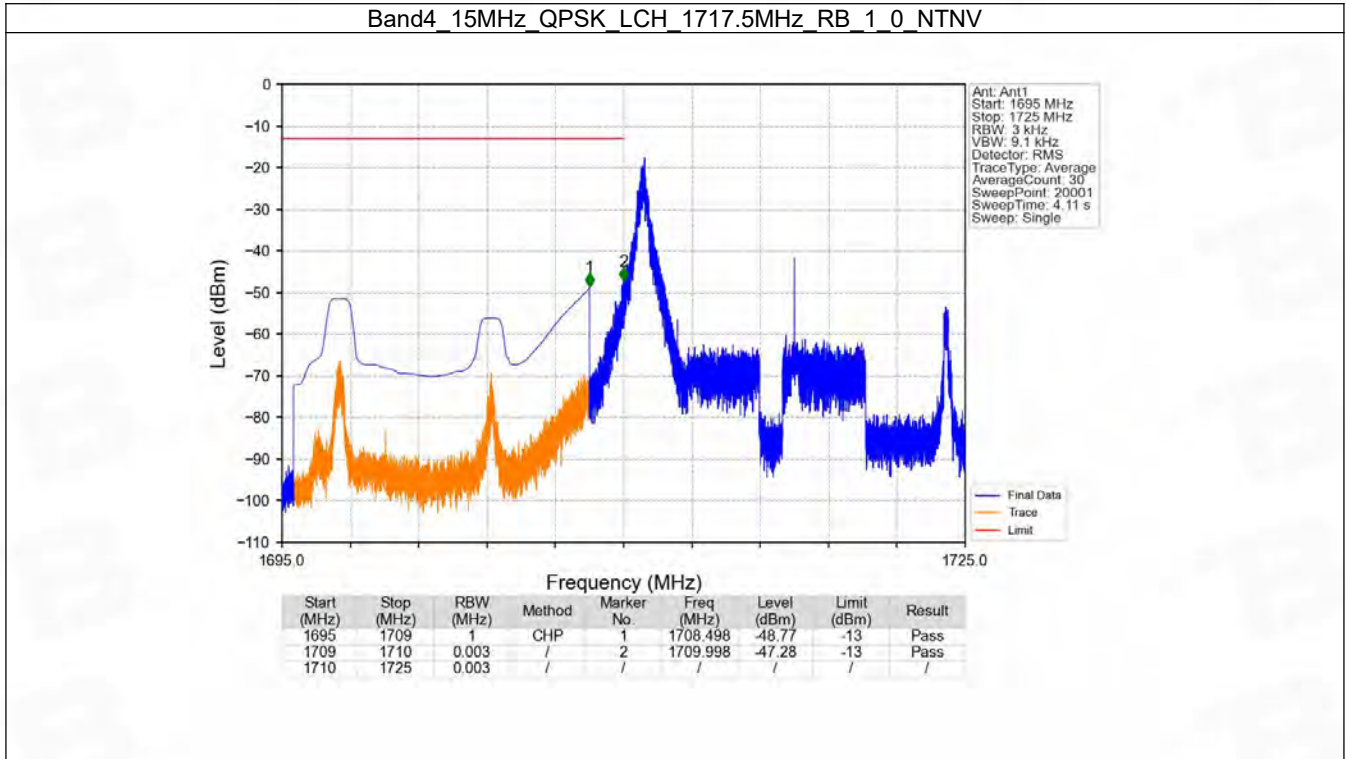


## 6.5 B4\_15MHz

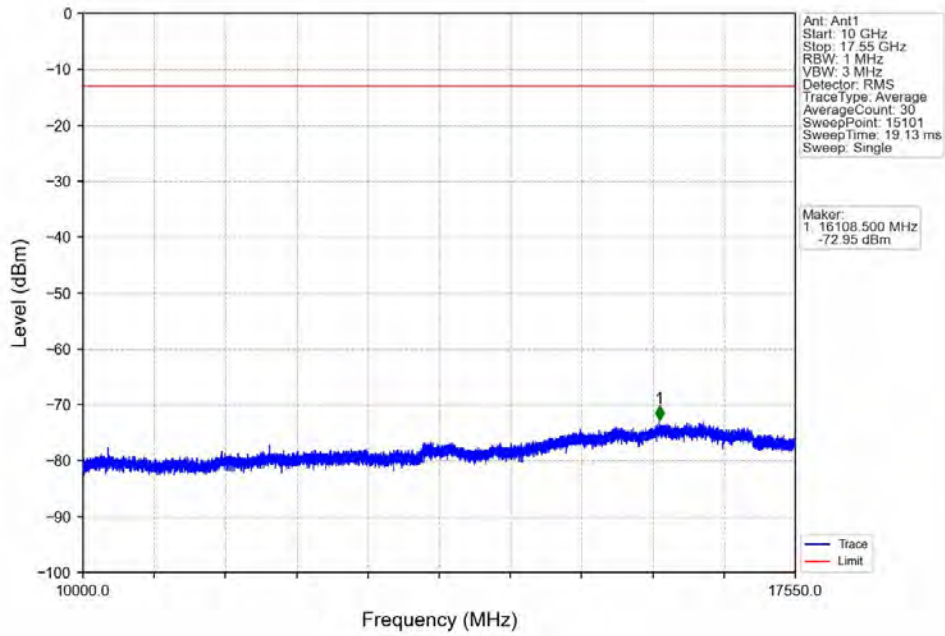
### 6.5.1 Test Result

| 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    |
|                                  | 1747.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                  |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 1717.5          | 1             | 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    |

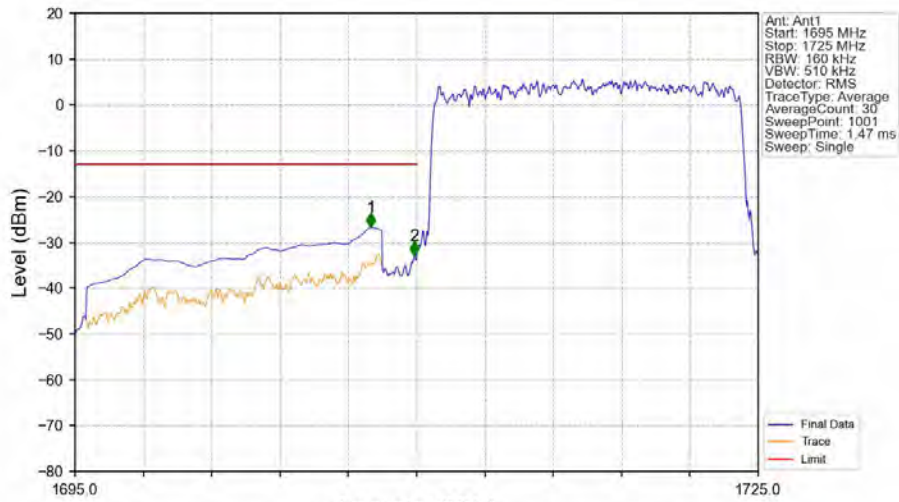
### 6.5.2 Test Graph



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

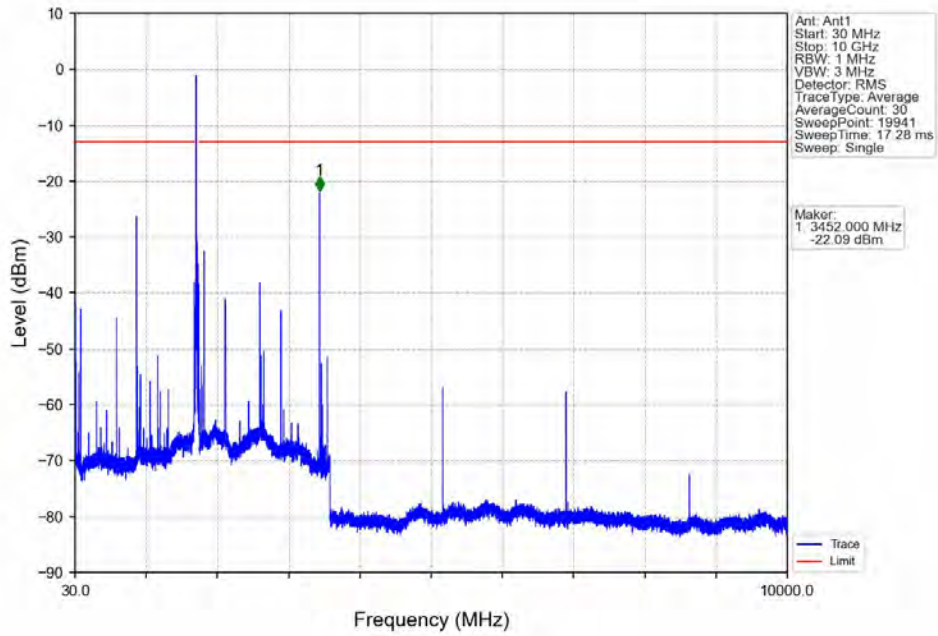


Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

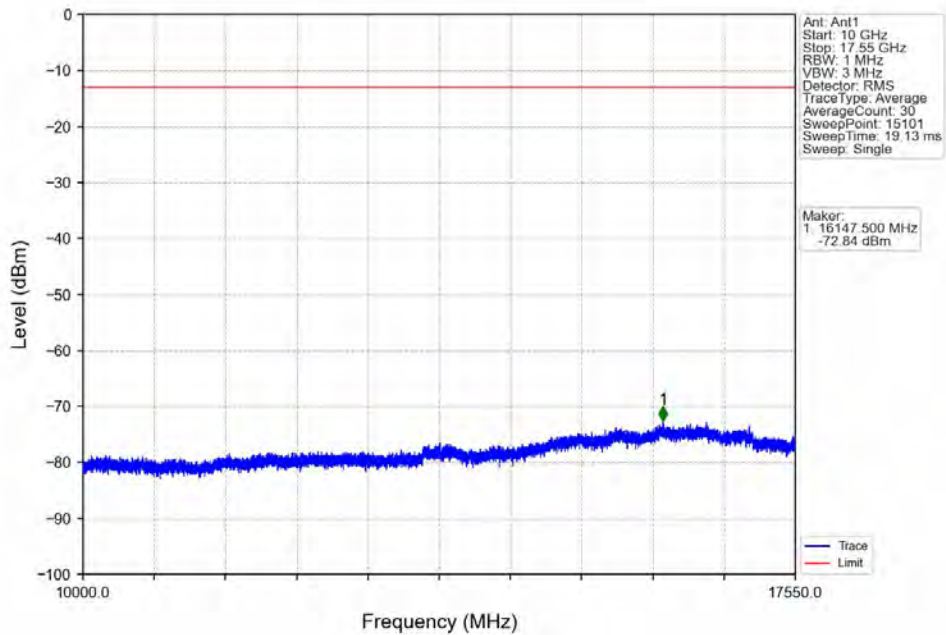


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1695        | 1709       | 1         | CHP    | 1          | 1707.990   | -26.80      | -13         | Pass   |
| 1709        | 1710       | 0.16      | /      | 2          | 1709.910   | -32.86      | -13         | Pass   |
| 1710        | 1725       | 0.16      | /      | /          | /          | /           | /           | /      |

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

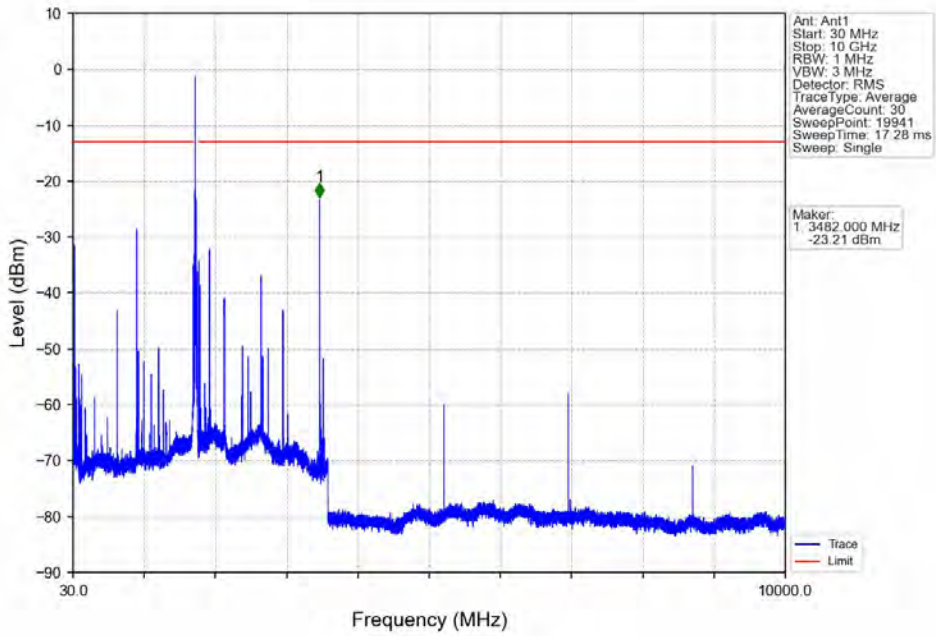


Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

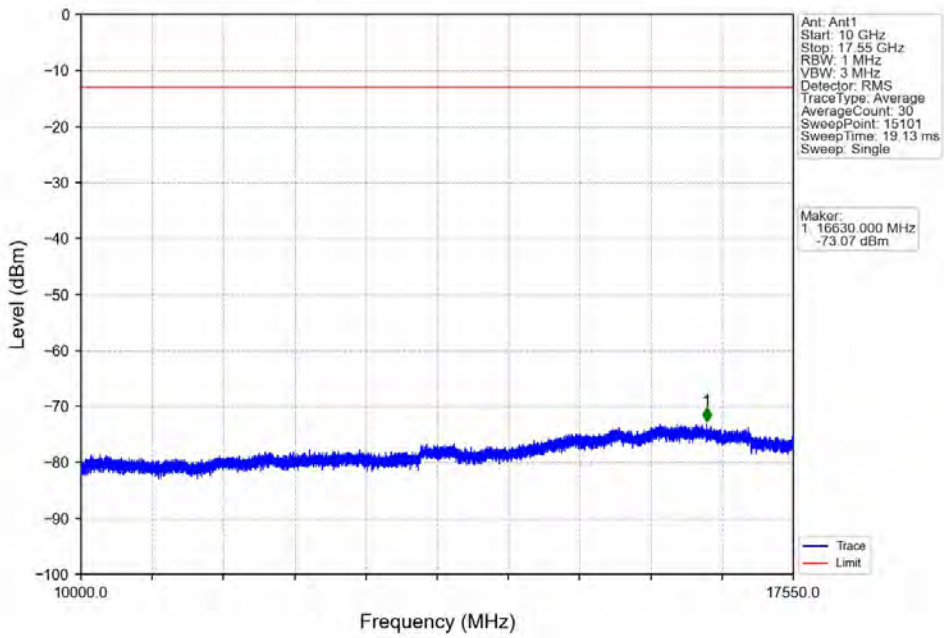




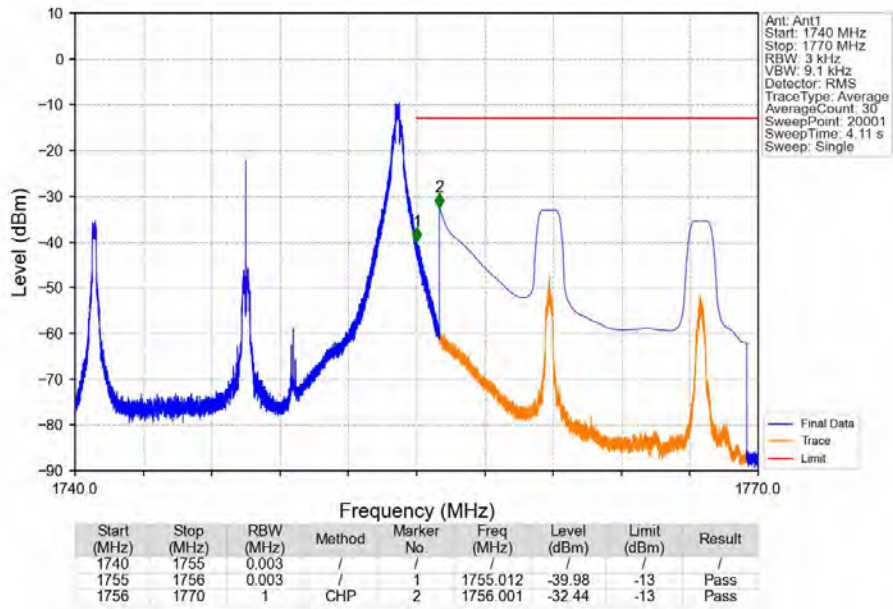
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



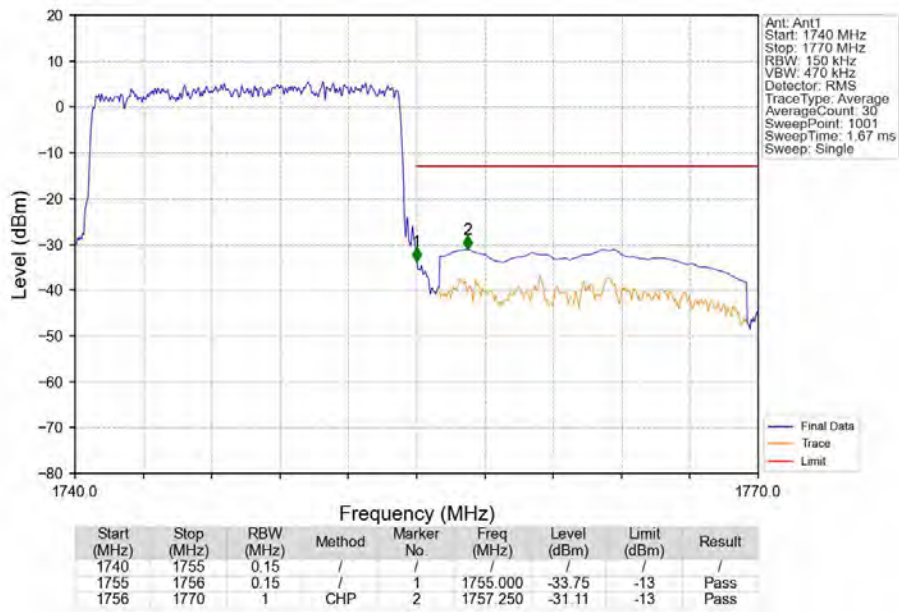
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



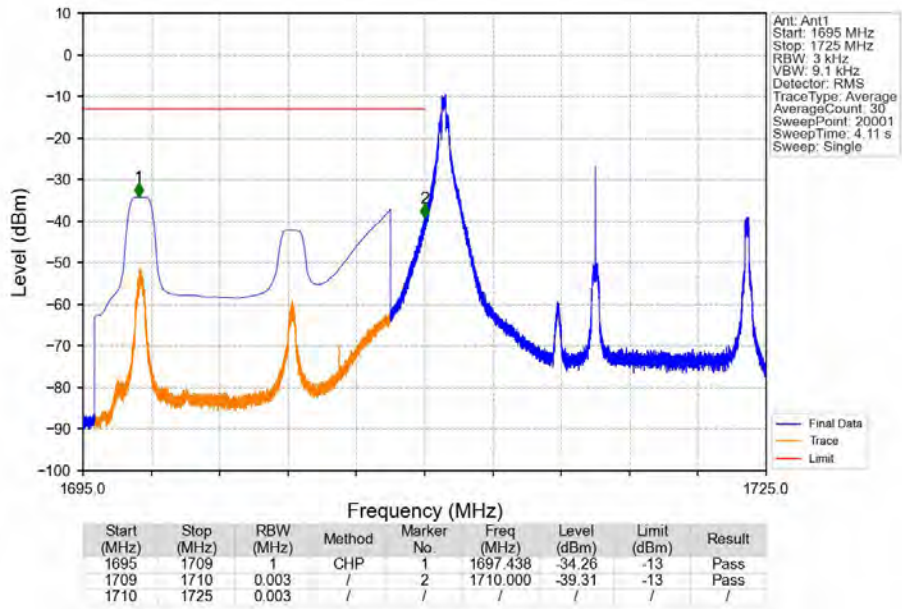
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



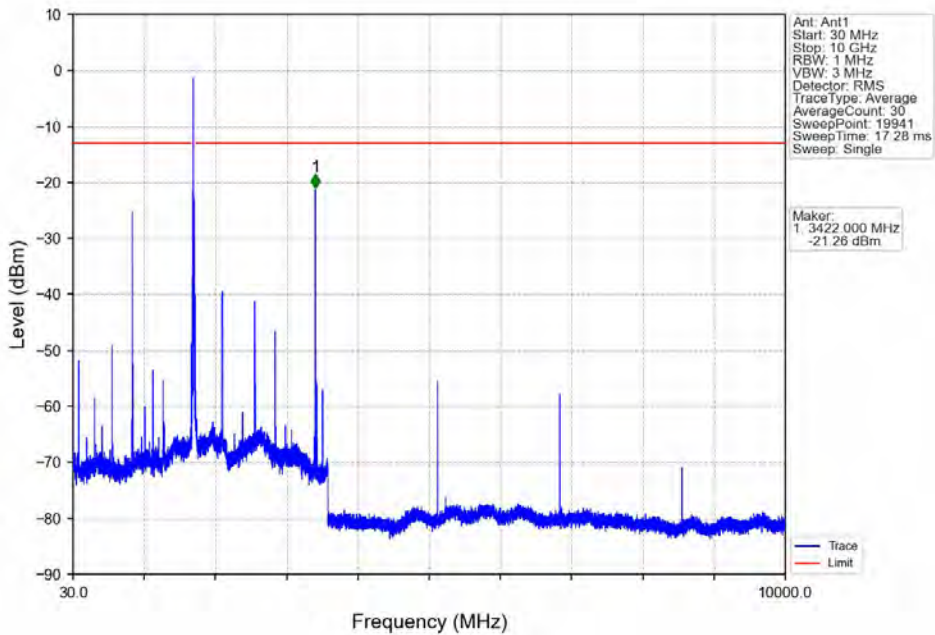
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



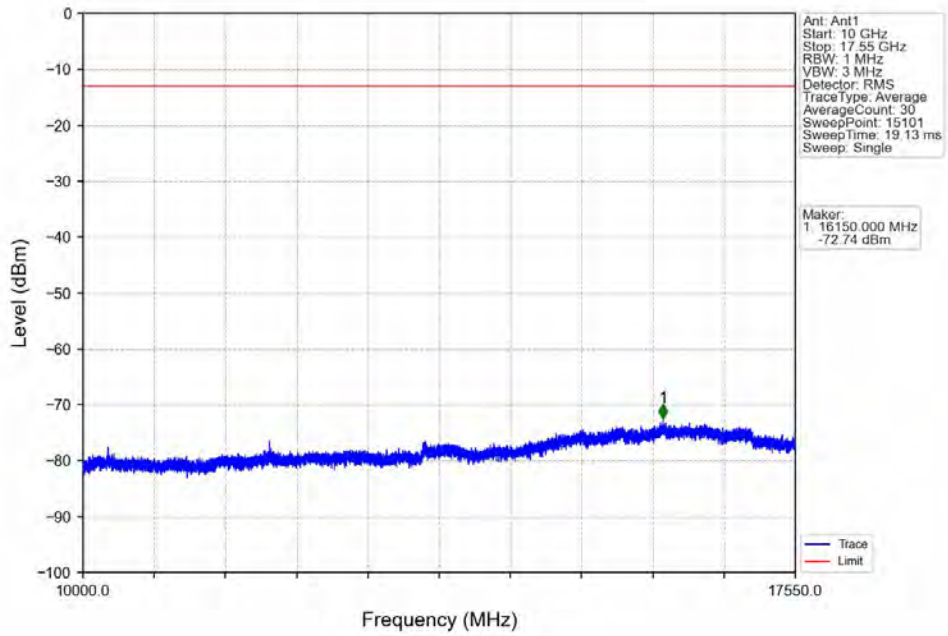
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



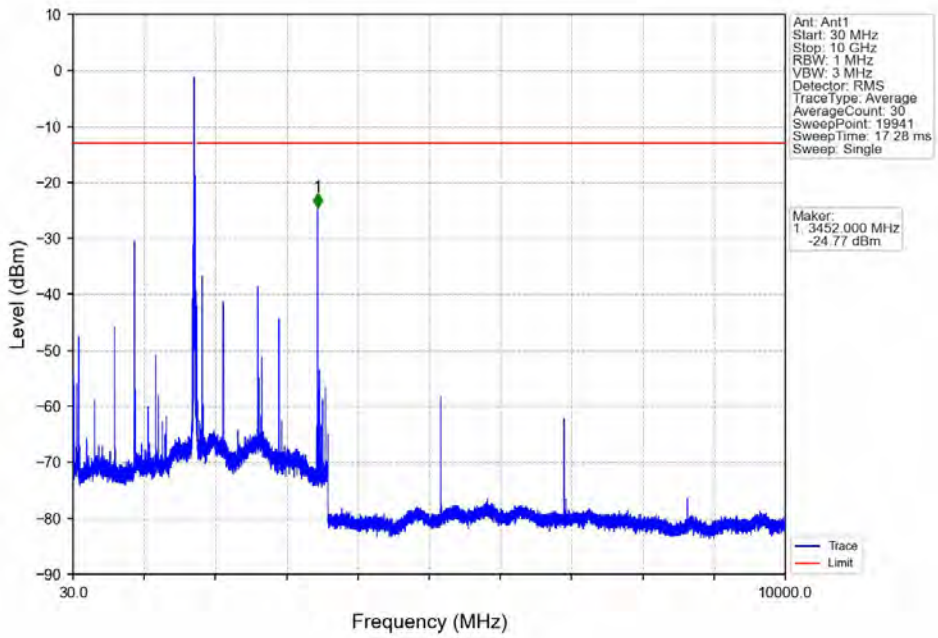
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



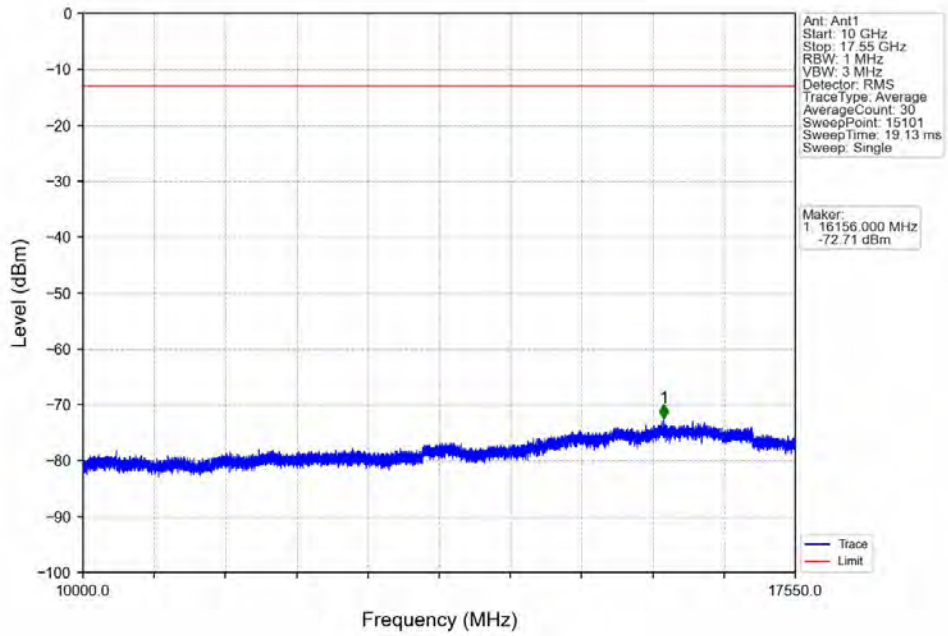
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



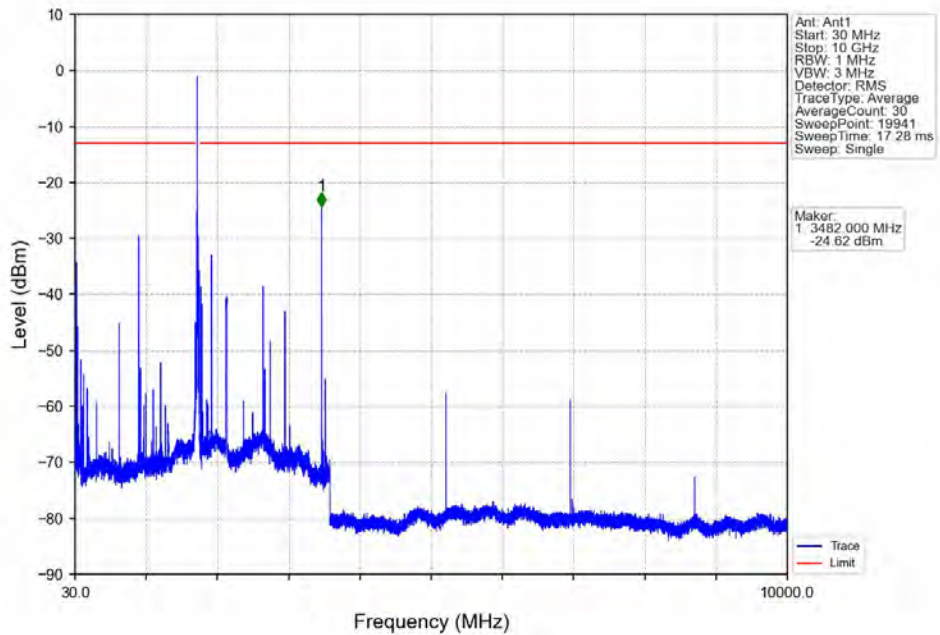
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



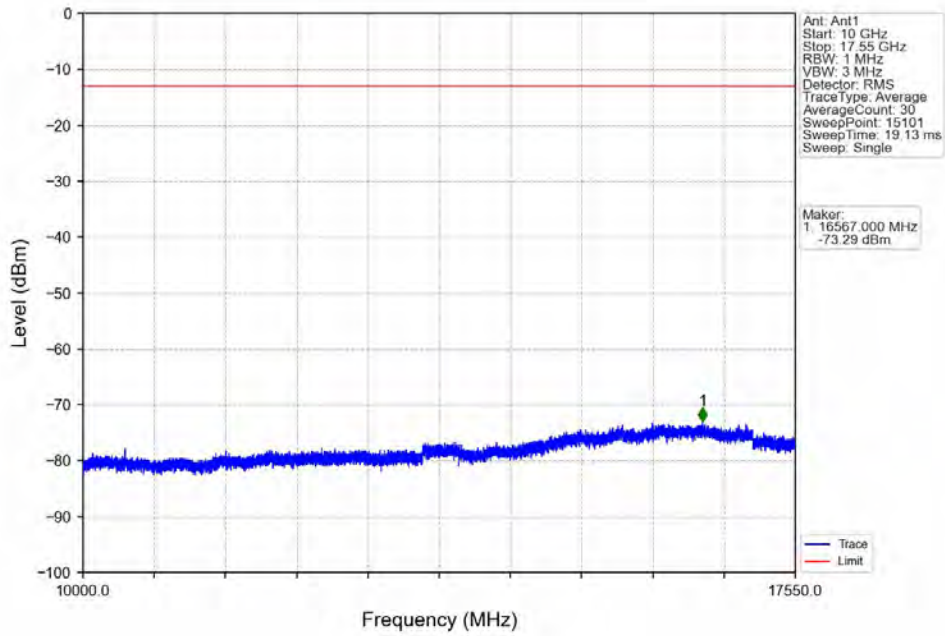
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



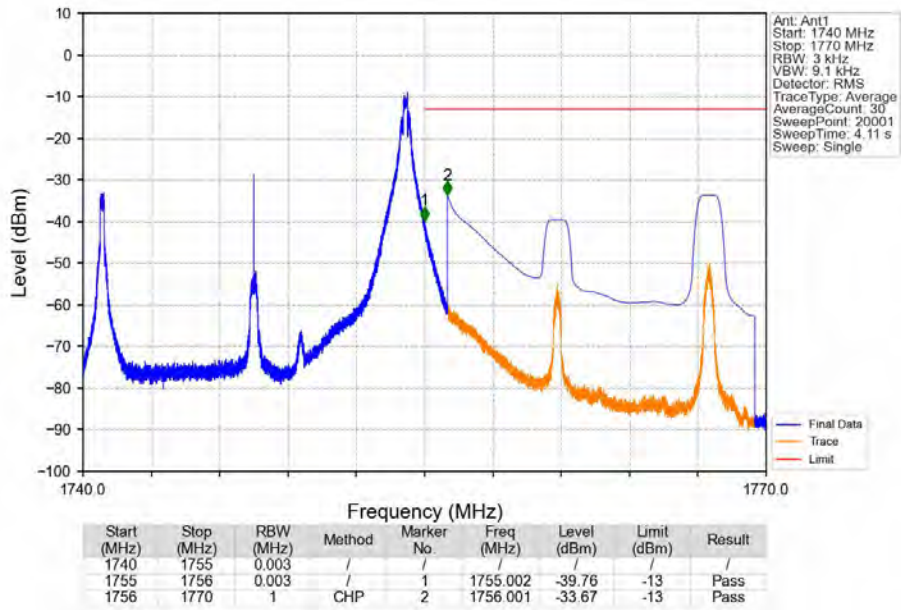
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV

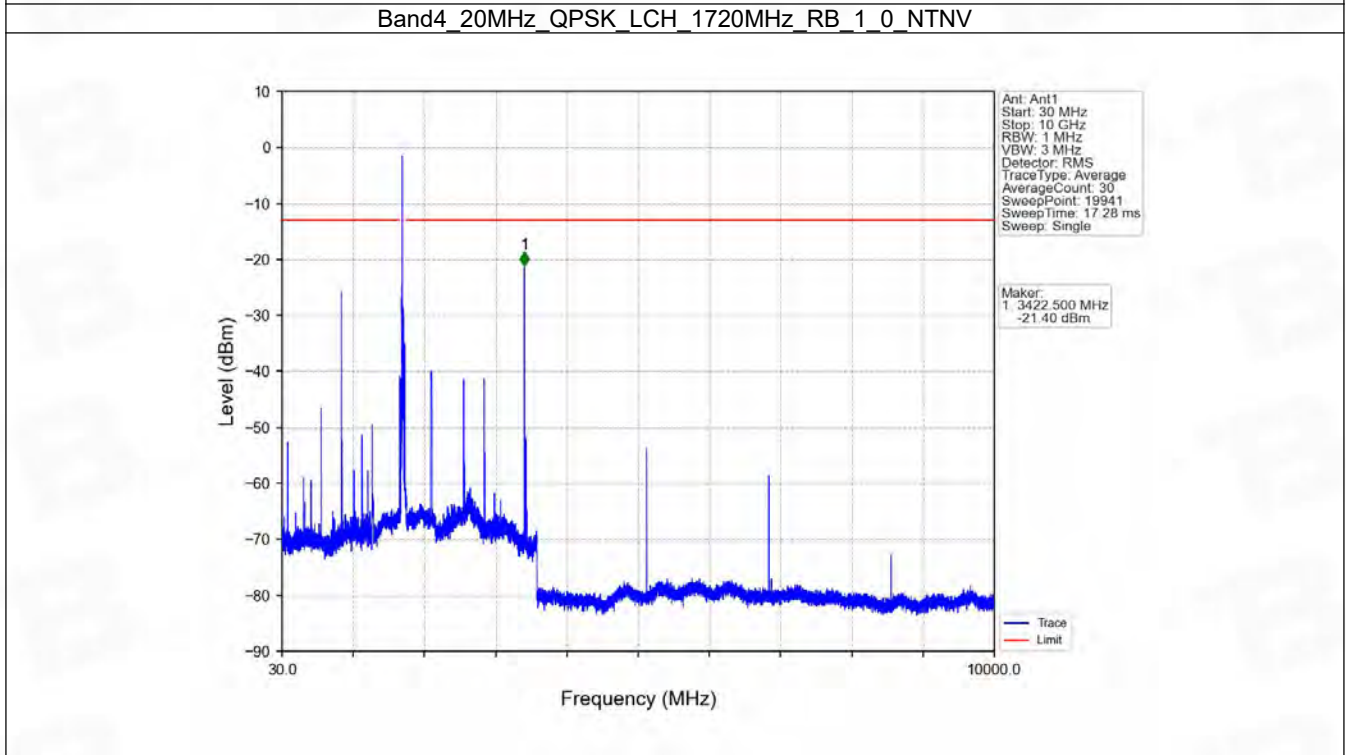
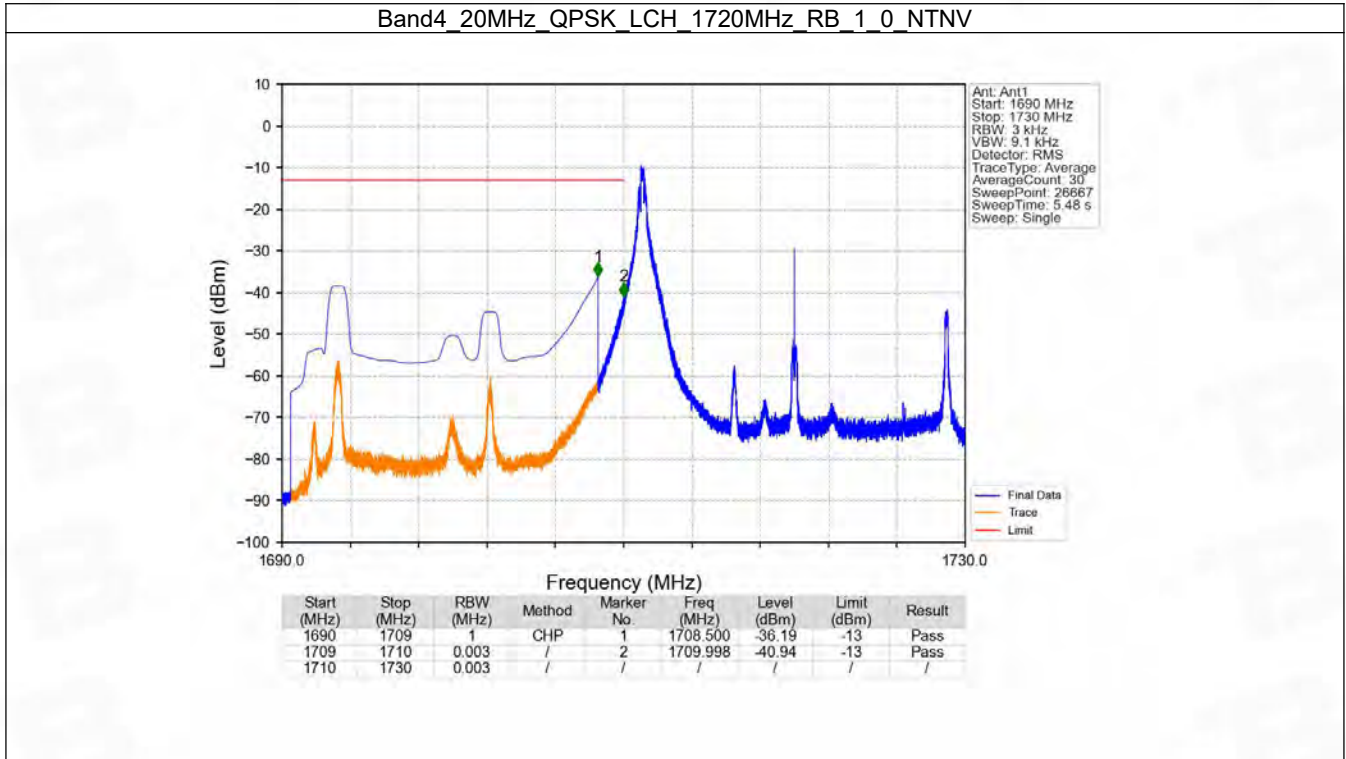


## 6.6 B4\_20MHz

### 6.6.1 Test Result

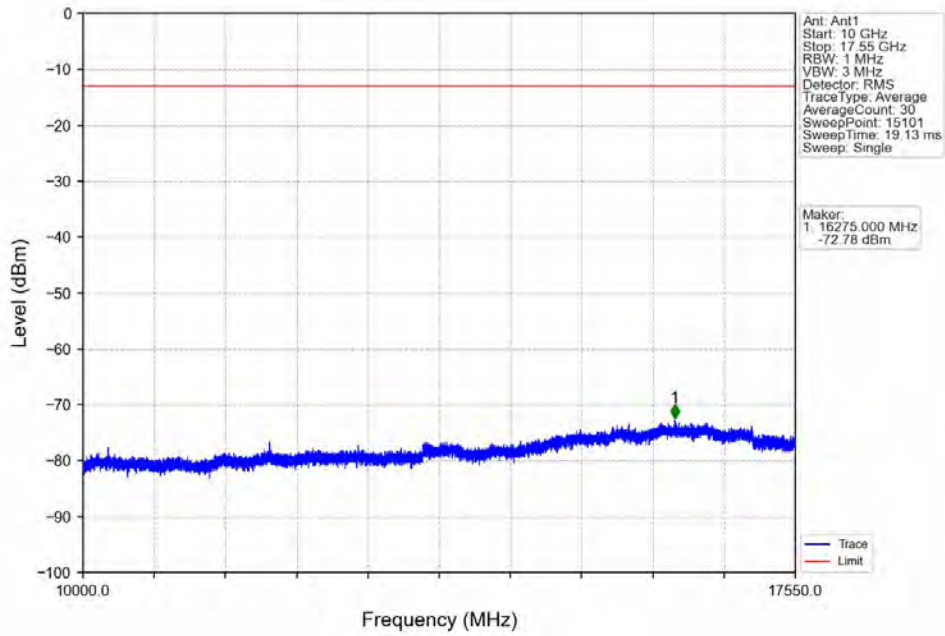
| Band: 4 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 1720            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                  | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 1720            | 1             | 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    |

### 6.6.2 Test Graph

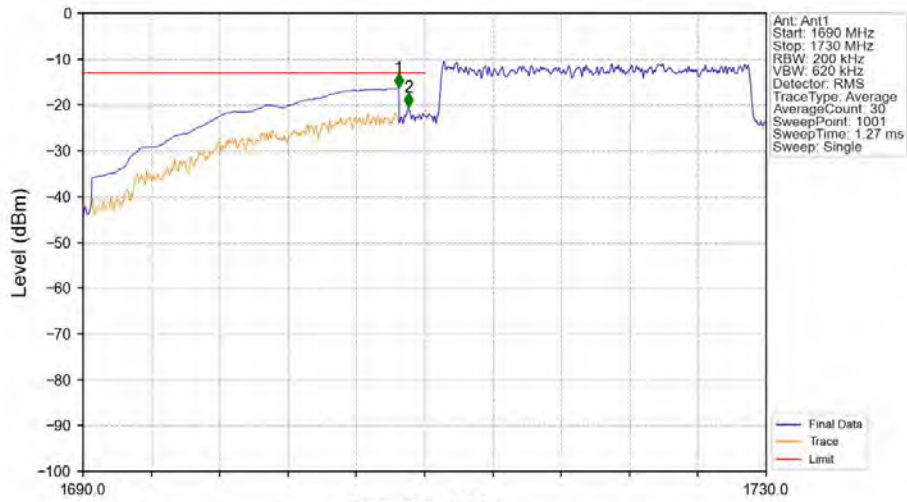




Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_1\_0\_NTNV

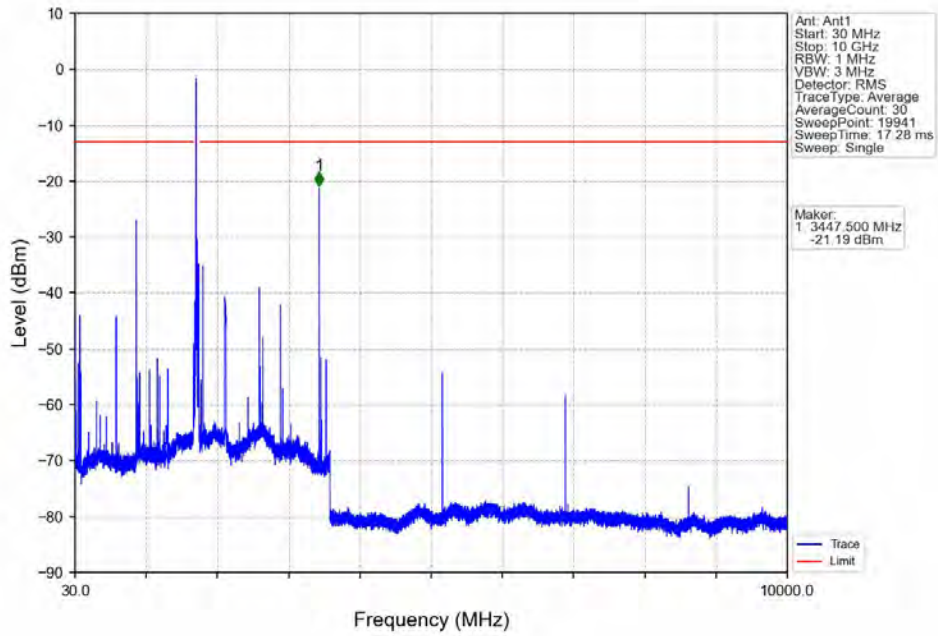


Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV

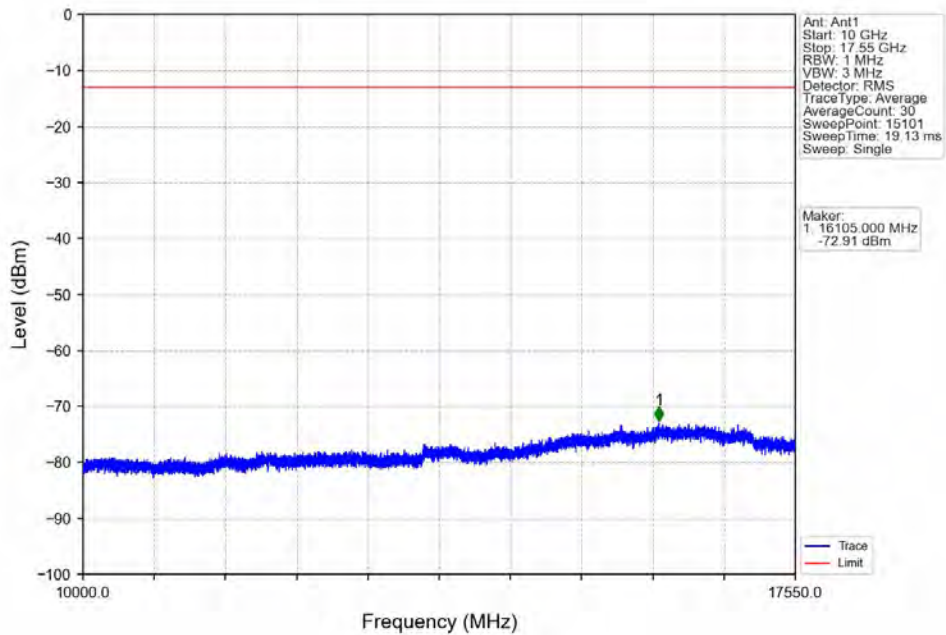


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1690        | 1709       | 1         | CHP    | 1          | 1708.480   | -16.22      | -13         | Pass   |
| 1709        | 1710       | 0.2       | /      | 2          | 1709.040   | -20.53      | -13         | Pass   |
| 1710        | 1730       | 0.2       | /      | /          | /          | /           | /           | /      |

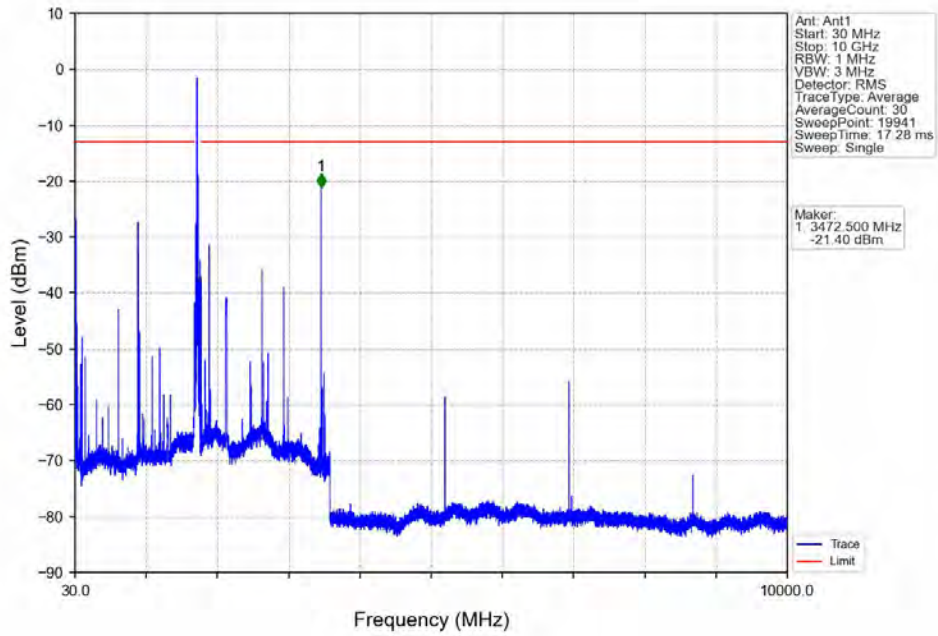
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



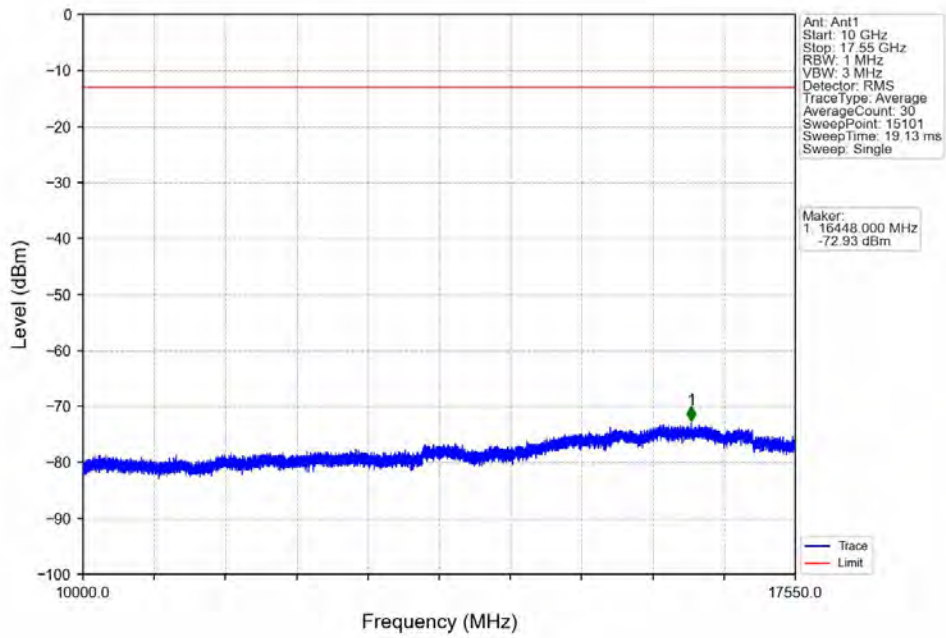
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



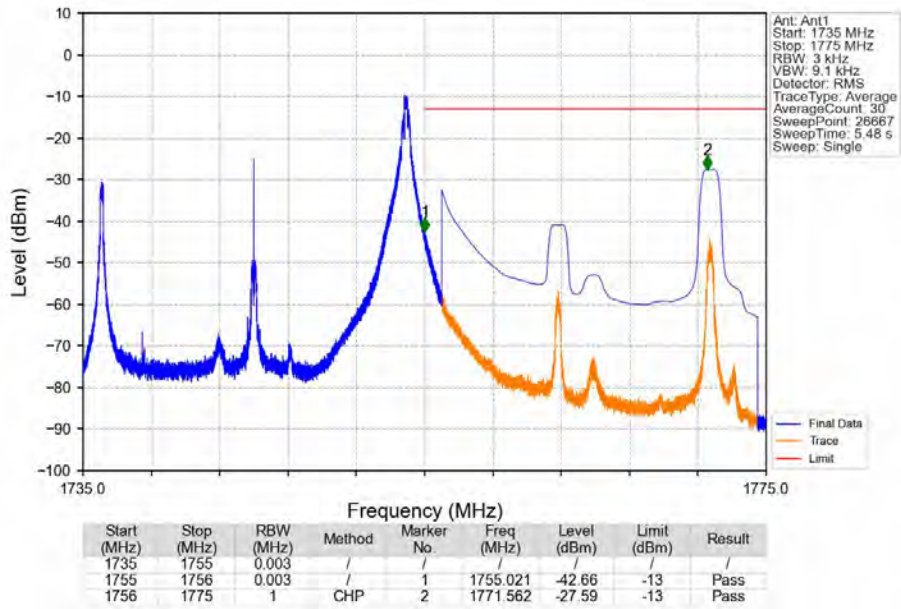
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



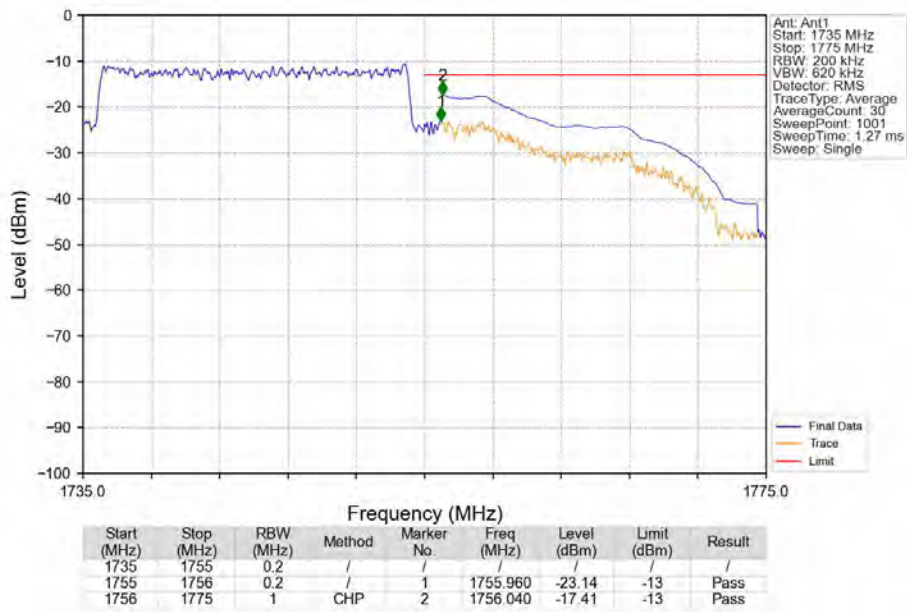
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



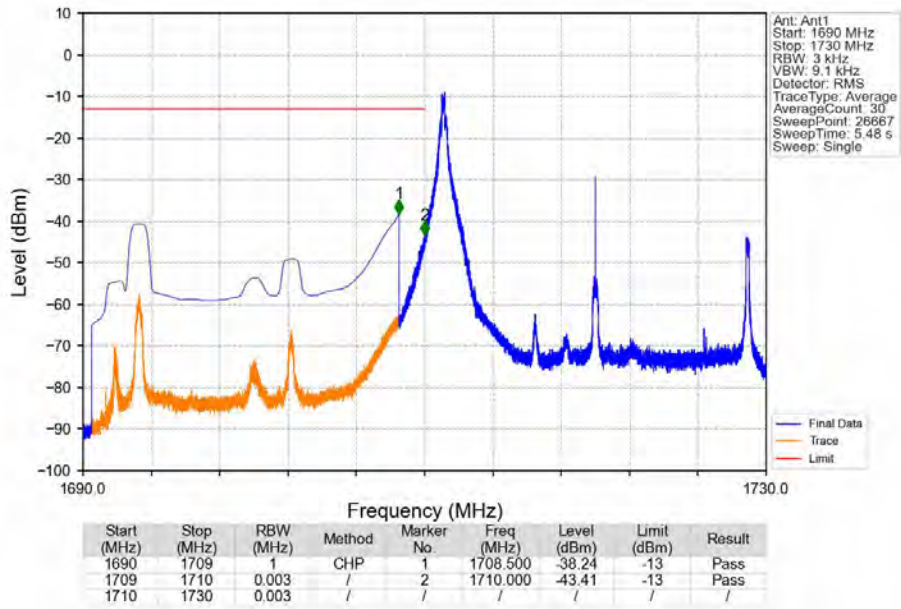
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_99\_NTNV



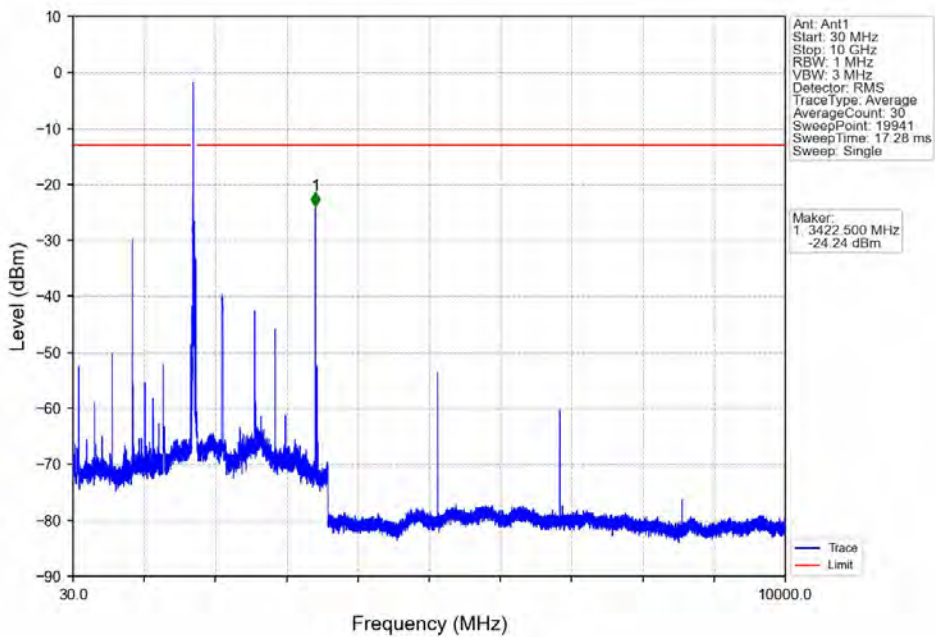
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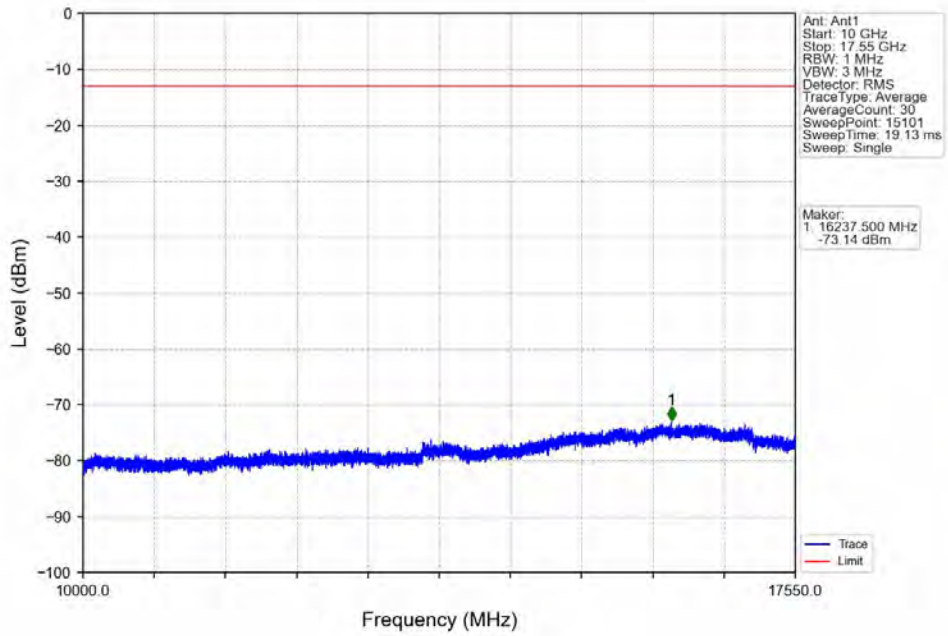
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



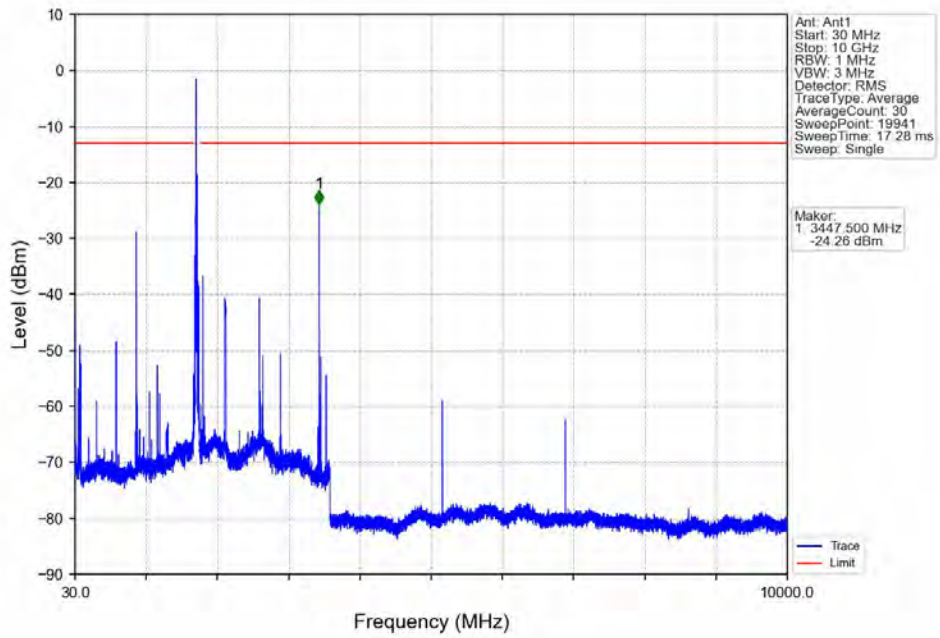
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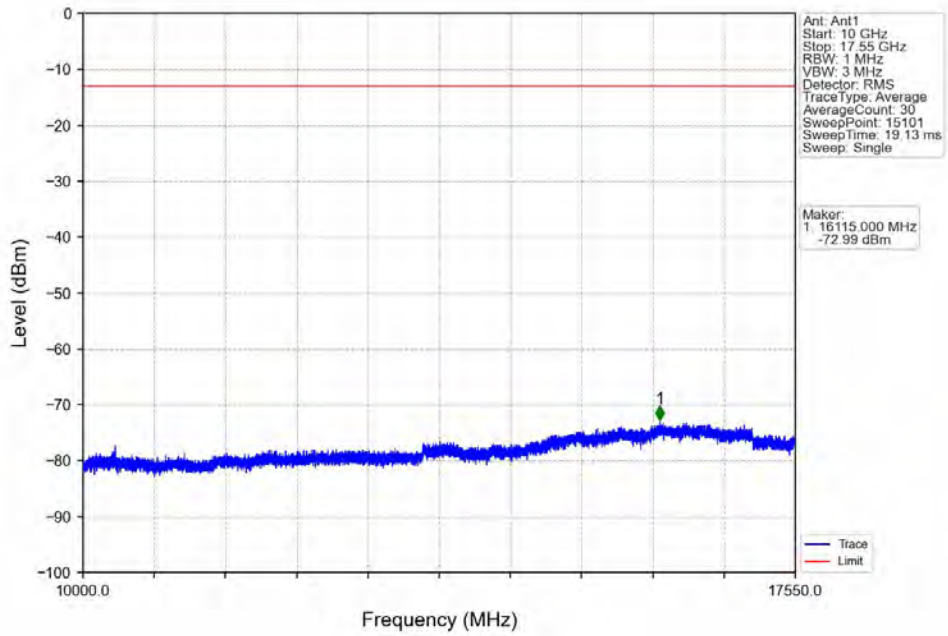
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



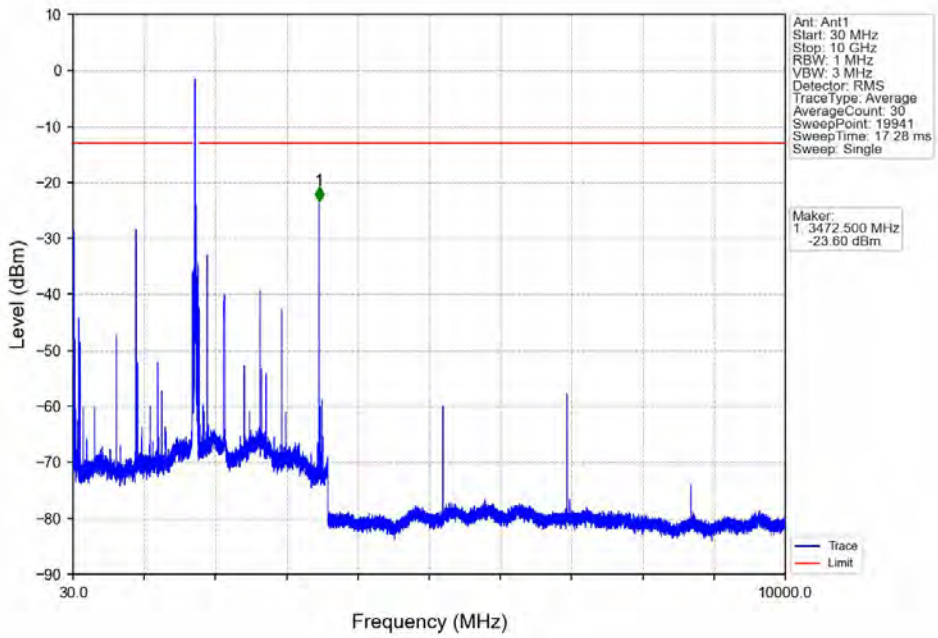
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



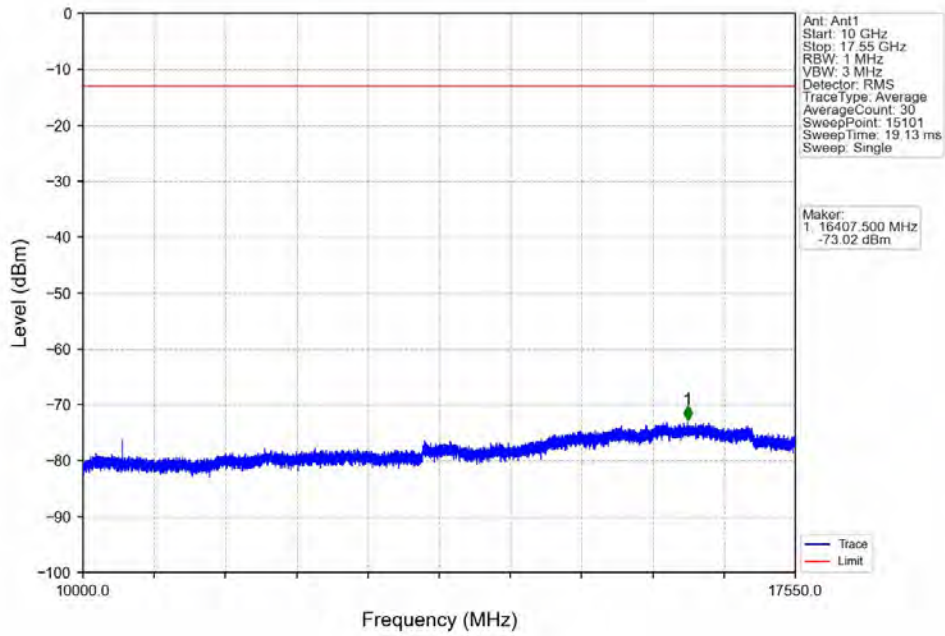
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



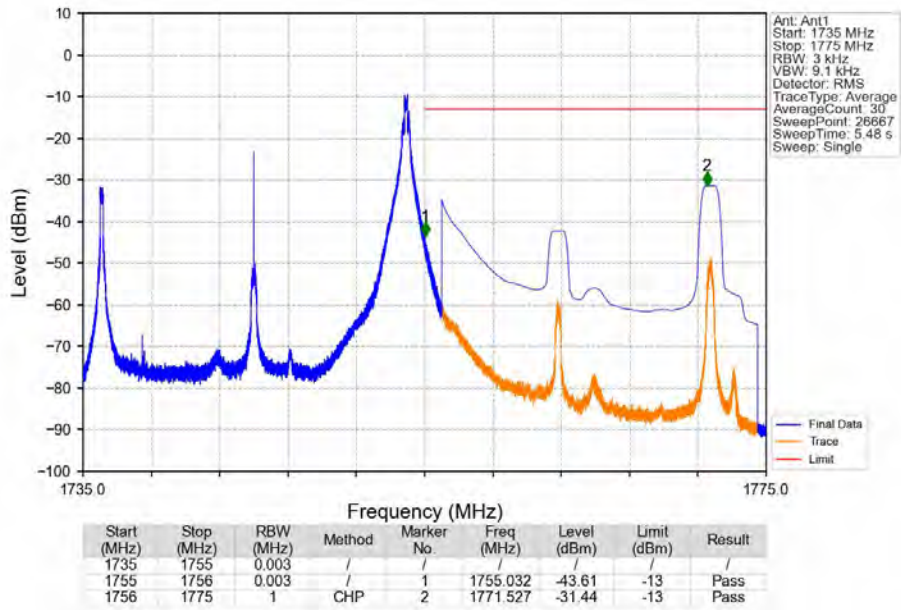
Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_99\_NTN





## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

| Band | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 4    | 1.4 | 1710.7     | 1754.3    | 0.1905        | 0.0027 | ppm    | 1M11G7D             | 27L        | 22.80           |
| 4    | 1.4 | 1710.7     | 1754.3    | 0.1535        | 0.0024 | ppm    | 1M12W7D             | 27L        | 21.86           |
| 4    | 3   | 1711.5     | 1753.5    | 0.1811        | 0.0012 | ppm    | 2M75G7D             | 27L        | 22.58           |
| 4    | 3   | 1711.5     | 1753.5    | 0.1592        | 0.0013 | ppm    | 2M74W7D             | 27L        | 22.02           |
| 4    | 5   | 1712.5     | 1752.5    | 0.1807        | 0.0018 | ppm    | 4M55G7D             | 27L        | 22.57           |
| 4    | 5   | 1712.5     | 1752.5    | 0.1390        | 0.0019 | ppm    | 4M56W7D             | 27L        | 21.43           |
| 4    | 10  | 1715       | 1750      | 0.1770        | 0.0020 | ppm    | 9M05G7D             | 27L        | 22.48           |
| 4    | 10  | 1715       | 1750      | 0.1472        | 0.0025 | ppm    | 5M12W7D             | 27L        | 21.68           |
| 4    | 15  | 1717.5     | 1747.5    | 0.1754        | 0.0006 | ppm    | 13M5G7D             | 27L        | 22.44           |
| 4    | 15  | 1717.5     | 1747.5    | 0.1419        | 0.0004 | ppm    | 5M64W7D             | 27L        | 21.52           |
| 4    | 20  | 1720       | 1745      | 0.1754        | 0.0021 | ppm    | 18M0G7D             | 27L        | 22.44           |
| 4    | 20  | 1720       | 1745      | 0.1656        | 0.0025 | ppm    | 5M80W7D             | 27L        | 22.19           |

## 7.2 Form731\_EIRP

#### 7.2.1 Test Result

| Band | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 4    | 1.4 | 1710.7     | 1754.3    | 0.0759        | 0.0027 | ppm    | 1M11G7D             | 27L        | 18.80           |
| 4    | 1.4 | 1710.7     | 1754.3    | 0.0611        | 0.0024 | ppm    | 1M12W7D             | 27L        | 17.86           |
| 4    | 3   | 1711.5     | 1753.5    | 0.0721        | 0.0012 | ppm    | 2M75G7D             | 27L        | 18.58           |
| 4    | 3   | 1711.5     | 1753.5    | 0.0634        | 0.0013 | ppm    | 2M74W7D             | 27L        | 18.02           |
| 4    | 5   | 1712.5     | 1752.5    | 0.0719        | 0.0018 | ppm    | 4M55G7D             | 27L        | 18.57           |
| 4    | 5   | 1712.5     | 1752.5    | 0.0553        | 0.0019 | ppm    | 4M56W7D             | 27L        | 17.43           |
| 4    | 10  | 1715       | 1750      | 0.0705        | 0.0020 | ppm    | 9M05G7D             | 27L        | 18.48           |
| 4    | 10  | 1715       | 1750      | 0.0586        | 0.0025 | ppm    | 5M12W7D             | 27L        | 17.68           |
| 4    | 15  | 1717.5     | 1747.5    | 0.0698        | 0.0006 | ppm    | 13M5G7D             | 27L        | 18.44           |
| 4    | 15  | 1717.5     | 1747.5    | 0.0565        | 0.0004 | ppm    | 5M64W7D             | 27L        | 17.52           |
| 4    | 20  | 1720       | 1745      | 0.0698        | 0.0021 | ppm    | 18M0G7D             | 27L        | 18.44           |
| 4    | 20  | 1720       | 1745      | 0.0659        | 0.0025 | ppm    | 5M80W7D             | 27L        | 18.19           |