

| Band: 7 / Bandwidth: 5MHz / NTNV |                                          |               |        |                       |            |            |         |         |         |      |
|----------------------------------|------------------------------------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                       | Frequency (MHz)                          | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                  |                                          | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                             | 2502.5                                   | 1             | 0      | 22.44                 | 3.40       | 25.84      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 22.54                 | 3.40       | 25.94      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 24     | 22.44                 | 3.40       | 25.84      | <=33.01 | Pass    |         |      |
|                                  |                                          | 12            | 0      | 21.46                 | 3.40       | 24.86      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 6      | 21.56                 | 3.40       | 24.96      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 21.55                 | 3.40       | 24.95      | <=33.01 | Pass    |         |      |
|                                  |                                          | 25            | 0      | 21.51                 | 3.40       | 24.91      | <=33.01 | Pass    |         |      |
|                                  |                                          | 2535          | 1      | 0                     | 22.46      | 3.40       | 25.86   | <=33.01 | Pass    |      |
|                                  |                                          |               |        | 13                    | 22.56      | 3.40       | 25.96   | <=33.01 | Pass    |      |
|                                  | 24                                       |               |        | 22.44                 | 3.40       | 25.84      | <=33.01 | Pass    |         |      |
|                                  | 12                                       |               | 0      | 21.60                 | 3.40       | 25.00      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 6      | 21.60                 | 3.40       | 25.00      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 21.53                 | 3.40       | 24.93      | <=33.01 | Pass    |         |      |
|                                  | 25                                       | 0             | 21.53  | 3.40                  | 24.93      | <=33.01    | Pass    |         |         |      |
|                                  | 2567.5                                   | 1             | 0      | 22.53                 | 3.40       | 25.93      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 22.67                 | 3.40       | 26.07      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 24     | 22.55                 | 3.40       | 25.95      | <=33.01 | Pass    |         |      |
|                                  |                                          | 12            | 0      | 21.68                 | 3.40       | 25.08      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 6      | 21.66                 | 3.40       | 25.06      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 21.54                 | 3.40       | 24.94      | <=33.01 | Pass    |         |      |
|                                  |                                          | 25            | 0      | 21.62                 | 3.40       | 25.02      | <=33.01 | Pass    |         |      |
|                                  |                                          | 16QAM         | 2502.5 | 1                     | 0          | 21.35      | 3.40    | 24.75   | <=33.01 | Pass |
|                                  |                                          |               |        |                       | 13         | 21.39      | 3.40    | 24.79   | <=33.01 | Pass |
|                                  | 24                                       |               |        |                       | 21.32      | 3.40       | 24.72   | <=33.01 | Pass    |      |
| 12                               | 0                                        |               |        | 20.42                 | 3.40       | 23.82      | <=33.01 | Pass    |         |      |
|                                  | 6                                        |               |        | 20.54                 | 3.40       | 23.94      | <=33.01 | Pass    |         |      |
|                                  | 13                                       |               |        | 20.54                 | 3.40       | 23.94      | <=33.01 | Pass    |         |      |
| 25                               | 0                                        |               |        | 20.57                 | 3.40       | 23.97      | <=33.01 | Pass    |         |      |
| 2535                             | 1                                        |               |        | 0                     | 21.76      | 3.40       | 25.16   | <=33.01 | Pass    |      |
|                                  |                                          |               |        | 13                    | 21.85      | 3.40       | 25.25   | <=33.01 | Pass    |      |
|                                  |                                          |               | 24     | 21.70                 | 3.40       | 25.10      | <=33.01 | Pass    |         |      |
|                                  | 12                                       |               | 0      | 20.56                 | 3.40       | 23.96      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 6      | 20.63                 | 3.40       | 24.03      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 20.55                 | 3.40       | 23.95      | <=33.01 | Pass    |         |      |
| 25                               | 0                                        |               | 20.55  | 3.40                  | 23.95      | <=33.01    | Pass    |         |         |      |
| 2567.5                           | 1                                        |               | 0      | 21.64                 | 3.40       | 25.04      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 21.72                 | 3.40       | 25.12      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 24     | 21.62                 | 3.40       | 25.02      | <=33.01 | Pass    |         |      |
|                                  | 12                                       |               | 0      | 20.68                 | 3.40       | 24.08      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 6      | 20.63                 | 3.40       | 24.03      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 13     | 20.50                 | 3.40       | 23.90      | <=33.01 | Pass    |         |      |
|                                  | 25                                       |               | 0      | 20.65                 | 3.40       | 24.05      | <=33.01 | Pass    |         |      |
|                                  | Note1: EIRP=Conducted Power+Antenna Gain |               |        |                       |            |            |         |         |         |      |

## 1.2 B7\_10MHz\_EIRP

### 1.2.1 Test Result

| Band: 7 / Bandwidth: 10MHz / NTV         |                 |               |        |                       |            |            |         |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                                     | 2505            | 1             | 0      | 22.48                 | 3.40       | 25.88      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 22.67                 | 3.40       | 26.07      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 49     | 22.42                 | 3.40       | 25.82      | <=33.01 | Pass    |         |      |
|                                          |                 | 25            | 0      | 21.48                 | 3.40       | 24.88      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 21.59                 | 3.40       | 24.99      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 21.63                 | 3.40       | 25.03      | <=33.01 | Pass    |         |      |
|                                          |                 | 50            | 0      | 21.54                 | 3.40       | 24.94      | <=33.01 | Pass    |         |      |
|                                          |                 | 2535          | 1      | 0                     | 22.49      | 3.40       | 25.89   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 25                    | 22.70      | 3.40       | 26.10   | <=33.01 | Pass    |      |
|                                          | 49              |               |        | 22.47                 | 3.40       | 25.87      | <=33.01 | Pass    |         |      |
|                                          | 25              |               | 0      | 21.61                 | 3.40       | 25.01      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 21.63                 | 3.40       | 25.03      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 21.62                 | 3.40       | 25.02      | <=33.01 | Pass    |         |      |
|                                          | 50              |               | 0      | 21.62                 | 3.40       | 25.02      | <=33.01 | Pass    |         |      |
|                                          | 2565            |               | 1      | 0                     | 22.57      | 3.40       | 25.97   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 25                    | 22.78      | 3.40       | 26.18   | <=33.01 | Pass    |      |
|                                          |                 | 49            |        | 22.61                 | 3.40       | 26.01      | <=33.01 | Pass    |         |      |
|                                          |                 | 25            | 0      | 21.74                 | 3.40       | 25.14      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 21.68                 | 3.40       | 25.08      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 21.55                 | 3.40       | 24.95      | <=33.01 | Pass    |         |      |
|                                          |                 | 50            | 0      | 21.64                 | 3.40       | 25.04      | <=33.01 | Pass    |         |      |
|                                          |                 | 16QAM         | 2505   | 1                     | 0          | 22.09      | 3.40    | 25.49   | <=33.01 | Pass |
|                                          |                 |               |        |                       | 25         | 22.21      | 3.40    | 25.61   | <=33.01 | Pass |
|                                          | 49              |               |        |                       | 22.03      | 3.40       | 25.43   | <=33.01 | Pass    |      |
| 25                                       | 0               |               |        | 20.54                 | 3.40       | 23.94      | <=33.01 | Pass    |         |      |
|                                          | 13              |               |        | 20.62                 | 3.40       | 24.02      | <=33.01 | Pass    |         |      |
|                                          | 25              |               |        | 20.70                 | 3.40       | 24.10      | <=33.01 | Pass    |         |      |
| 50                                       | 0               |               |        | 20.58                 | 3.40       | 23.98      | <=33.01 | Pass    |         |      |
| 2535                                     | 1               |               |        | 0                     | 21.72      | 3.40       | 25.12   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 25                    | 21.91      | 3.40       | 25.31   | <=33.01 | Pass    |      |
|                                          |                 |               | 49     | 21.67                 | 3.40       | 25.07      | <=33.01 | Pass    |         |      |
|                                          | 25              |               | 0      | 20.65                 | 3.40       | 24.05      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 20.64                 | 3.40       | 24.04      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 20.66                 | 3.40       | 24.06      | <=33.01 | Pass    |         |      |
|                                          | 50              |               | 0      | 20.62                 | 3.40       | 24.02      | <=33.01 | Pass    |         |      |
|                                          | 2565            |               | 1      | 0                     | 21.60      | 3.40       | 25.00   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 25                    | 21.81      | 3.40       | 25.21   | <=33.01 | Pass    |      |
| 49                                       |                 |               |        | 21.62                 | 3.40       | 25.02      | <=33.01 | Pass    |         |      |
| 25                                       |                 |               | 0      | 20.80                 | 3.40       | 24.20      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 20.77                 | 3.40       | 24.17      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 20.66                 | 3.40       | 24.06      | <=33.01 | Pass    |         |      |
| 50                                       |                 |               | 0      | 20.66                 | 3.40       | 24.06      | <=33.01 | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |         |      |

### 1.3.1 Test Result

Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B7\_20MHz\_EIRP

### 1.4.1 Test Result

| Band: 7 / Bandwidth: 20MHz / NTVN        |                 |               |        |                       |            |            |         |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                                     | 2510            | 1             | 0      | 22.39                 | 3.40       | 25.79      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 50     | 22.65                 | 3.40       | 26.05      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 99     | 22.29                 | 3.40       | 25.69      | <=33.01 | Pass    |         |      |
|                                          |                 | 50            | 0      | 21.40                 | 3.40       | 24.80      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 21.51                 | 3.40       | 24.91      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 50     | 21.48                 | 3.40       | 24.88      | <=33.01 | Pass    |         |      |
|                                          |                 | 100           | 0      | 21.46                 | 3.40       | 24.86      | <=33.01 | Pass    |         |      |
|                                          |                 | 2535          | 1      | 0                     | 22.38      | 3.40       | 25.78   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 50                    | 22.78      | 3.40       | 26.18   | <=33.01 | Pass    |      |
|                                          | 99              |               |        | 22.38                 | 3.40       | 25.78      | <=33.01 | Pass    |         |      |
|                                          | 50              |               | 0      | 21.61                 | 3.40       | 25.01      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 21.63                 | 3.40       | 25.03      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 50     | 21.55                 | 3.40       | 24.95      | <=33.01 | Pass    |         |      |
|                                          | 100             |               | 0      | 21.59                 | 3.40       | 24.99      | <=33.01 | Pass    |         |      |
|                                          | 2560            |               | 1      | 0                     | 22.44      | 3.40       | 25.84   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 50                    | 22.71      | 3.40       | 26.11   | <=33.01 | Pass    |      |
|                                          |                 | 99            |        | 22.40                 | 3.40       | 25.80      | <=33.01 | Pass    |         |      |
|                                          |                 | 50            | 0      | 21.59                 | 3.40       | 24.99      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 21.64                 | 3.40       | 25.04      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 50     | 21.41                 | 3.40       | 24.81      | <=33.01 | Pass    |         |      |
|                                          |                 | 100           | 0      | 21.50                 | 3.40       | 24.90      | <=33.01 | Pass    |         |      |
|                                          |                 | 16QAM         | 2510   | 1                     | 0          | 21.68      | 3.40    | 25.08   | <=33.01 | Pass |
|                                          |                 |               |        |                       | 50         | 21.96      | 3.40    | 25.36   | <=33.01 | Pass |
|                                          | 99              |               |        |                       | 21.60      | 3.40       | 25.00   | <=33.01 | Pass    |      |
| 50                                       | 0               |               |        | 20.34                 | 3.40       | 23.74      | <=33.01 | Pass    |         |      |
|                                          | 25              |               |        | 20.51                 | 3.40       | 23.91      | <=33.01 | Pass    |         |      |
|                                          | 50              |               |        | 20.47                 | 3.40       | 23.87      | <=33.01 | Pass    |         |      |
| 100                                      | 0               |               |        | 20.47                 | 3.40       | 23.87      | <=33.01 | Pass    |         |      |
| 2535                                     | 1               |               |        | 0                     | 21.64      | 3.40       | 25.04   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 50                    | 21.93      | 3.40       | 25.33   | <=33.01 | Pass    |      |
|                                          |                 |               | 99     | 21.63                 | 3.40       | 25.03      | <=33.01 | Pass    |         |      |
|                                          | 50              |               | 0      | 20.58                 | 3.40       | 23.98      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 20.64                 | 3.40       | 24.04      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 50     | 20.57                 | 3.40       | 23.97      | <=33.01 | Pass    |         |      |
|                                          | 100             |               | 0      | 20.61                 | 3.40       | 24.01      | <=33.01 | Pass    |         |      |
|                                          | 2560            |               | 1      | 0                     | 22.01      | 3.40       | 25.41   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 50                    | 22.25      | 3.40       | 25.65   | <=33.01 | Pass    |      |
| 99                                       |                 |               |        | 21.94                 | 3.40       | 25.34      | <=33.01 | Pass    |         |      |
| 50                                       |                 |               | 0      | 20.61                 | 3.40       | 24.01      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 25     | 20.66                 | 3.40       | 24.06      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 50     | 20.40                 | 3.40       | 23.80      | <=33.01 | Pass    |         |      |
| 100                                      |                 |               | 0      | 20.52                 | 3.40       | 23.92      | <=33.01 | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |         |      |

## 2. Frequency Stability

### 2.1 B7\_5MHz

#### 2.1.1 Test Result

| Band: 7 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 2502.5          | 25            | 0      | 20         | 3.6           | 0.601            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -7.882           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.4           | 0.629            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -9.456           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -1.144           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -5.178           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -4.492           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 11.287           | 0.0045                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -0.358           | -0.0001               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 25.578           | 0.0102                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 2.403            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | 3.6           | -0.987           | -0.0004               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -8.411           | -0.0033               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.4           | -7.010           | -0.0028               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -2.031           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 0.830            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -7.954           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -5.350           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -1.416           | -0.0006               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 1.230            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -3.061           | -0.0012               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 2.747            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           | 2567.5          | 25            | 0      | 20         | 3.6           | 0.916            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 4.063            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.4           | -8.869           | -0.0035               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -15.564          | -0.0061               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -1.330           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -3.834           | -0.0015               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -9.427           | -0.0037               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -7.138           | -0.0028               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 3.347            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 7.868            | 0.0031                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -2.174           | -0.0008               | -2.5 to 2.5 | Pass    |
| 16QAM                     | 2502.5          | 25            | 0      | 20         | 3.6           | -1.402           | -0.0006               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -5.765           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.4           | -5.879           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -1.974           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 1.245            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 3.648            | 0.0015                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -4.320           | -0.0017               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -5.779           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -0.443           | -0.0002               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -1.345           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 1.659            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | 3.6           | -3.018           | -0.0012               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -3.390           | -0.0013               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.4           | -11.687          | -0.0046               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -8.397           | -0.0033               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -2.475           | -0.0010               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   | -10 | 3.85 | 0.286   | 0.0001  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -2.933  | -0.0012 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 5.479   | 0.0022  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -5.651  | -0.0022 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -9.542  | -0.0038 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -6.537  | -0.0026 | -2.5 to 2.5 | Pass |
|  | 2567.5 | 25 | 0 | 20  | 3.6  | -3.376  | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 4.835   | 0.0019  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.4  | 3.834   | 0.0015  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 7.038   | 0.0027  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 5.064   | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 4.363   | 0.0017  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -13.690 | -0.0053 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -1.302  | -0.0005 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 4.606   | 0.0018  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -9.885  | -0.0039 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 8.225   | 0.0032  | -2.5 to 2.5 | Pass |

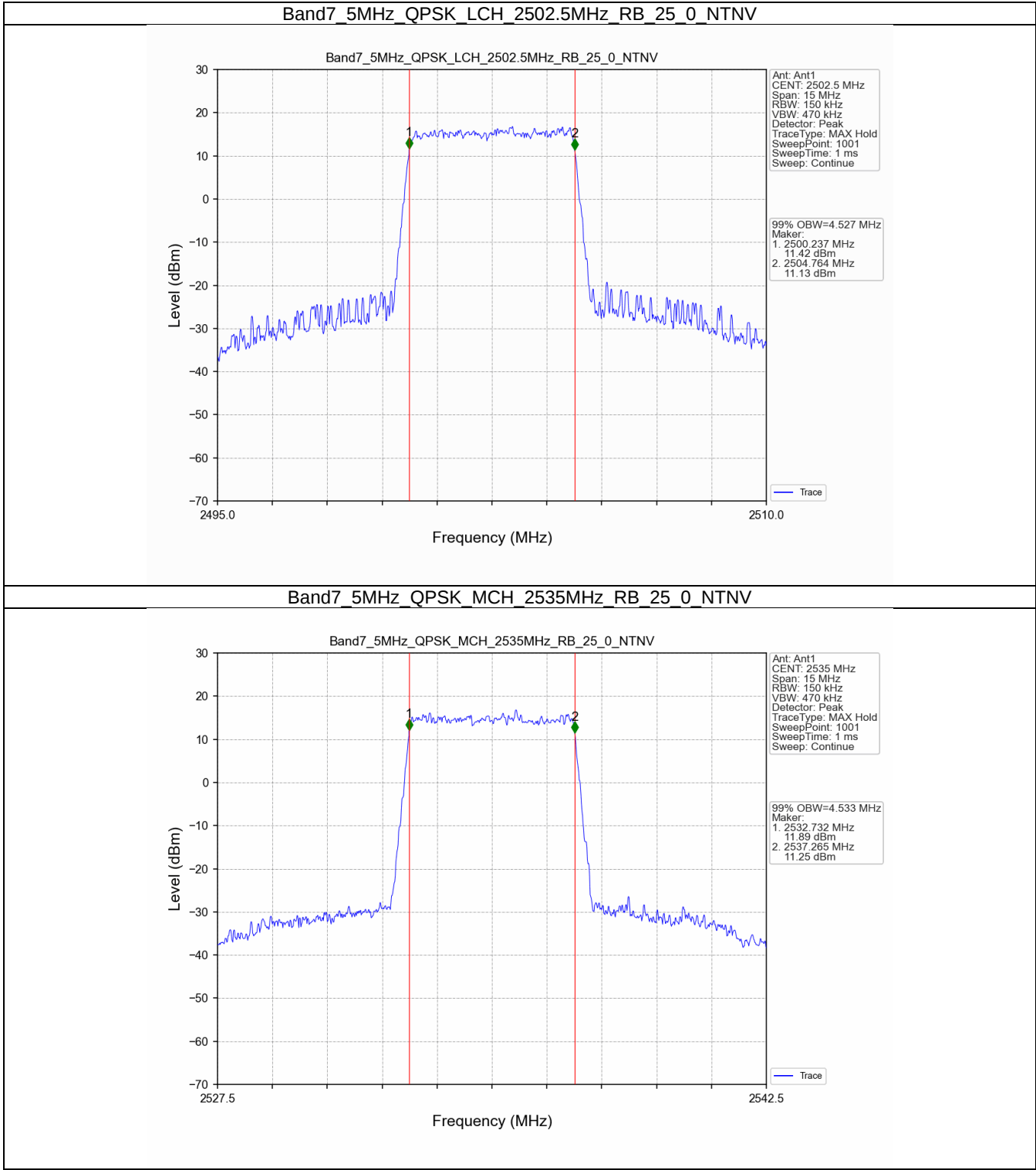
### 3. 99% & 26dB Bandwidth

#### 3.1 Band7\_OBW

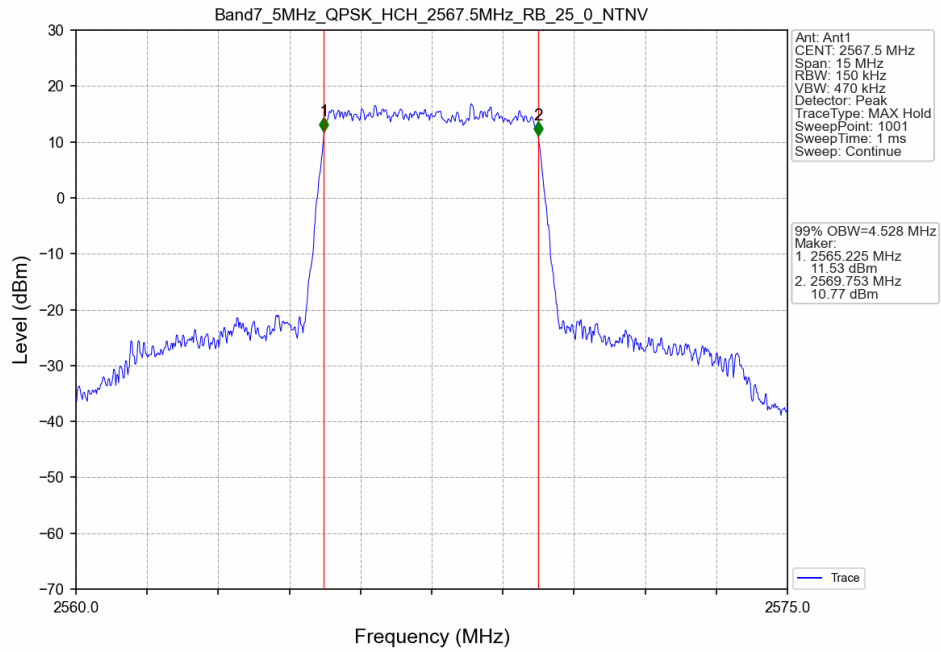
##### 3.1.1 Test Result

| Band: 7 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.527                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.533                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.528                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.560                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.523                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.533                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.054                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.048                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.063                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.038                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.043                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.043                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.580                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.578                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.551                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.551                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.592                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.585                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 18.059                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.083                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.044                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 18.081                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.077                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.003                       | /     | Pass    |

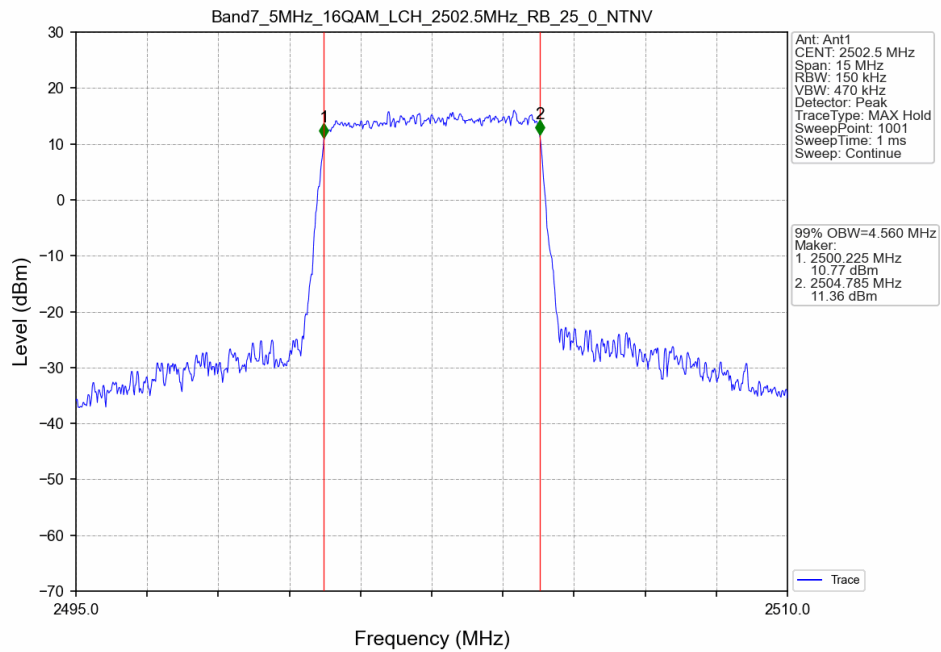
3.1.2 Test Graph



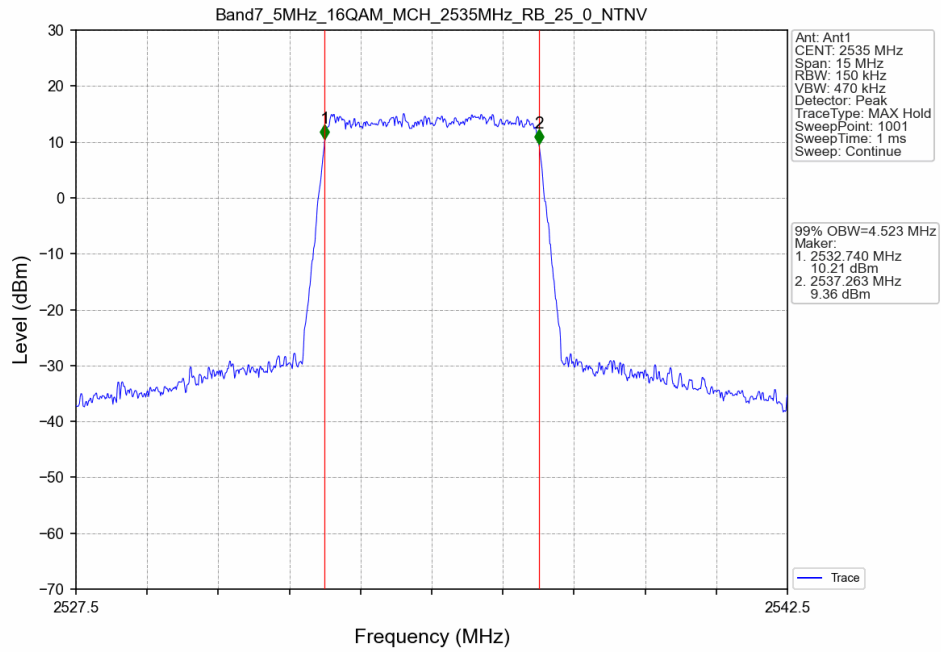
# Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTNV



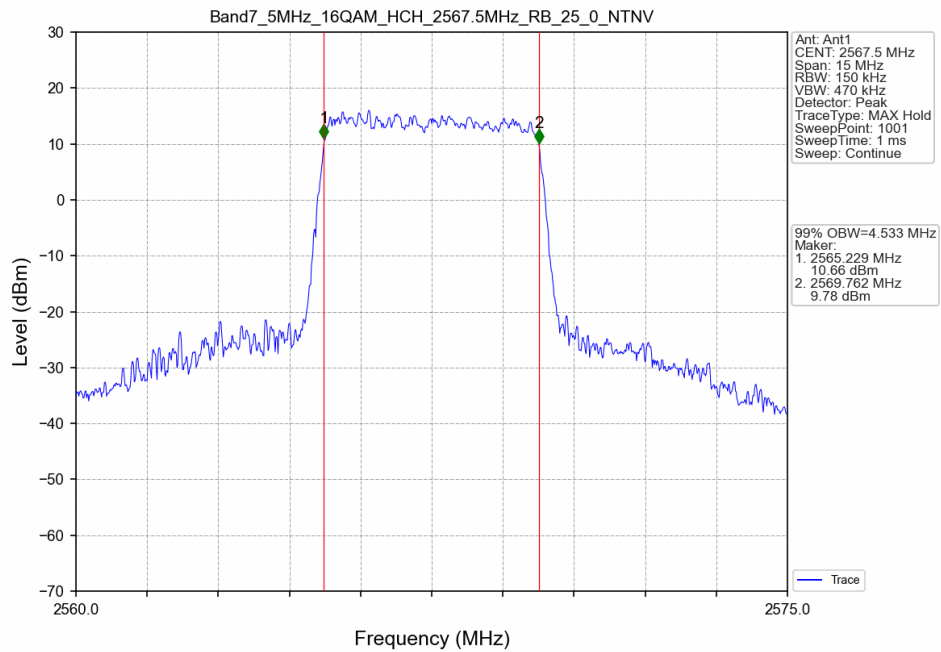
# Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTNV



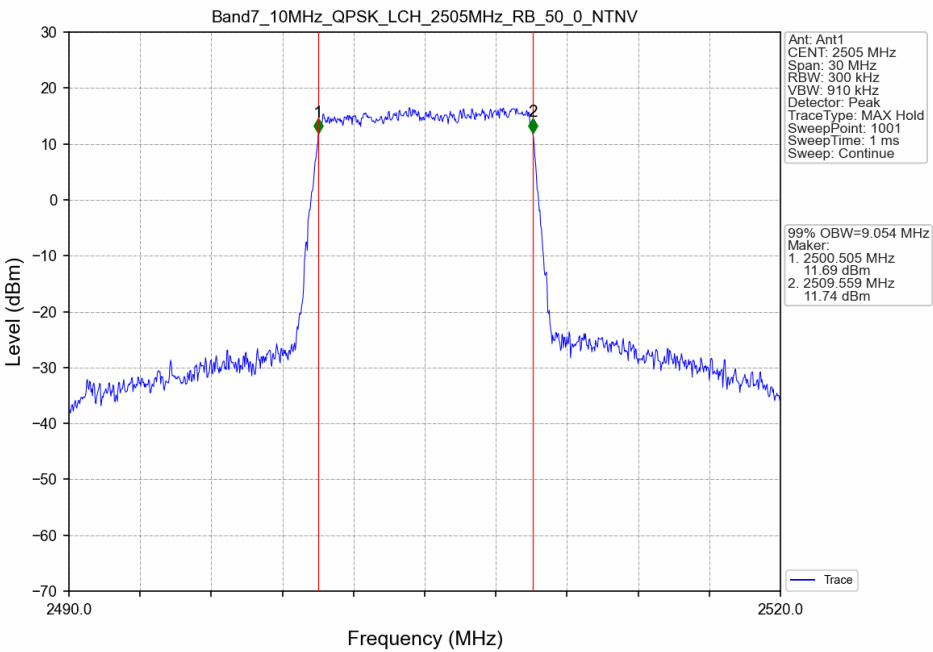
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



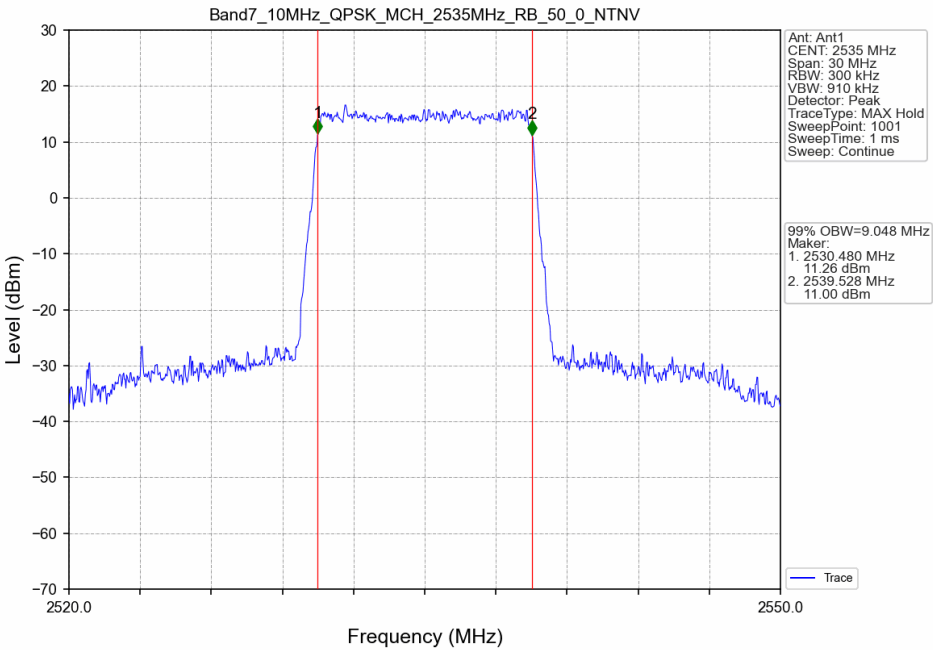
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



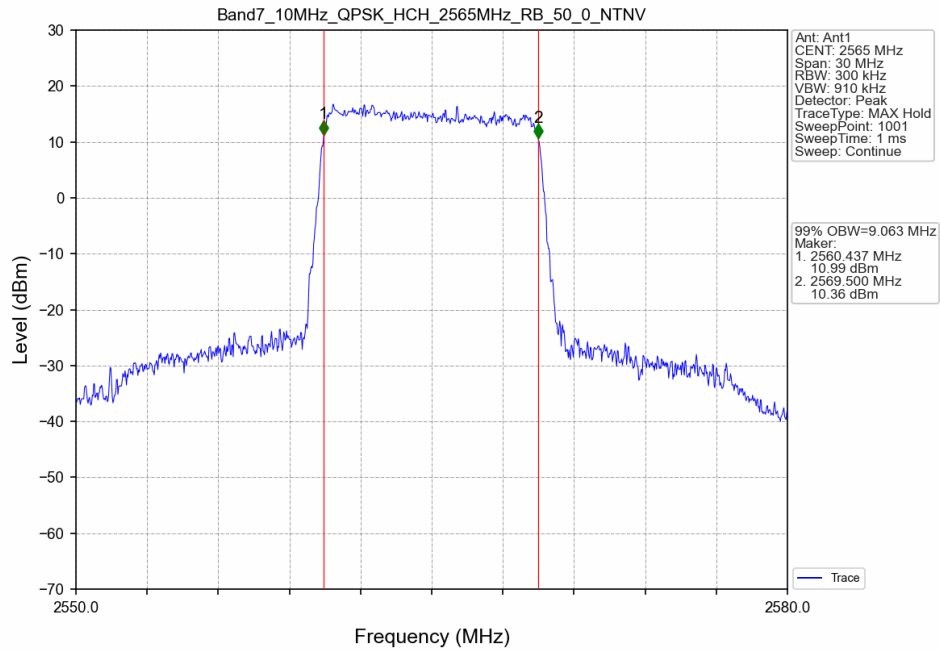
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



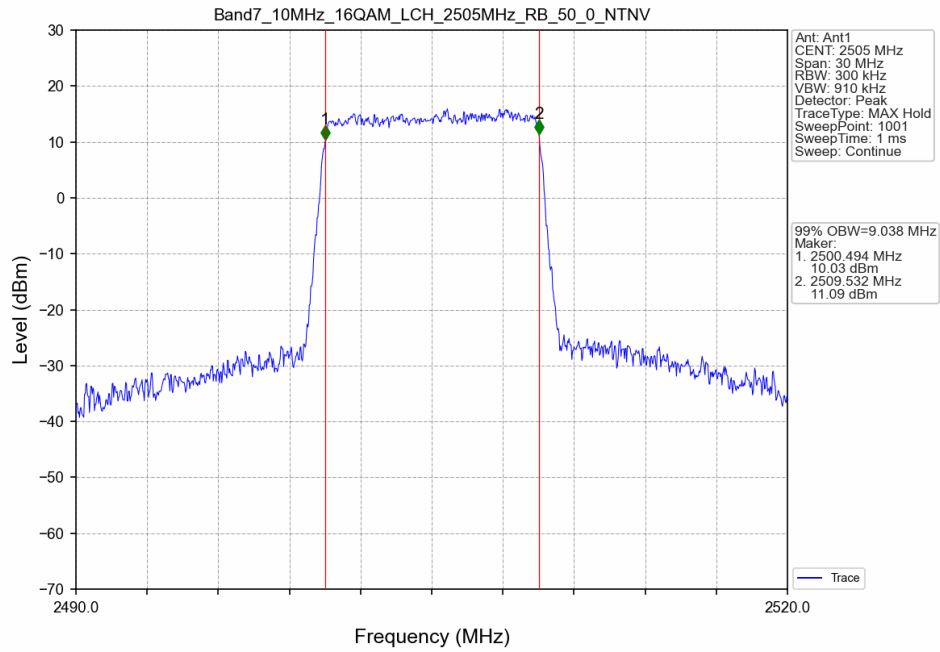
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



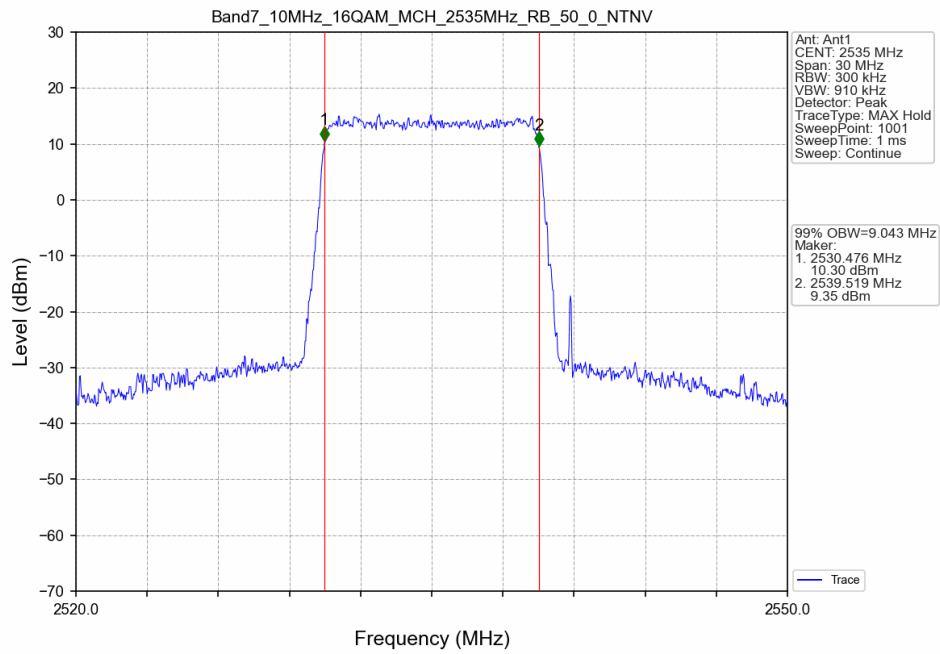
# Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



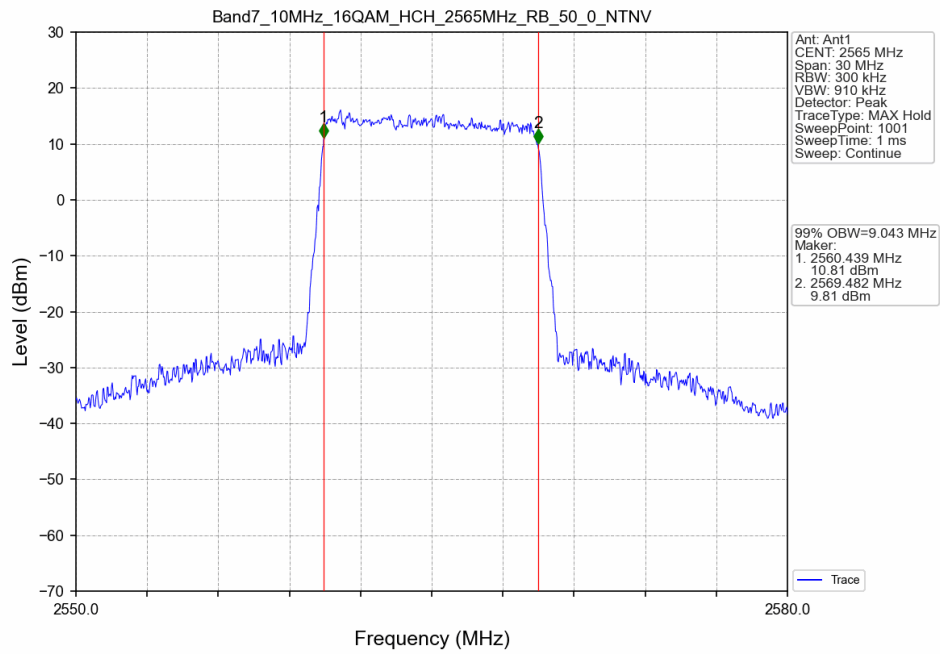
# Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



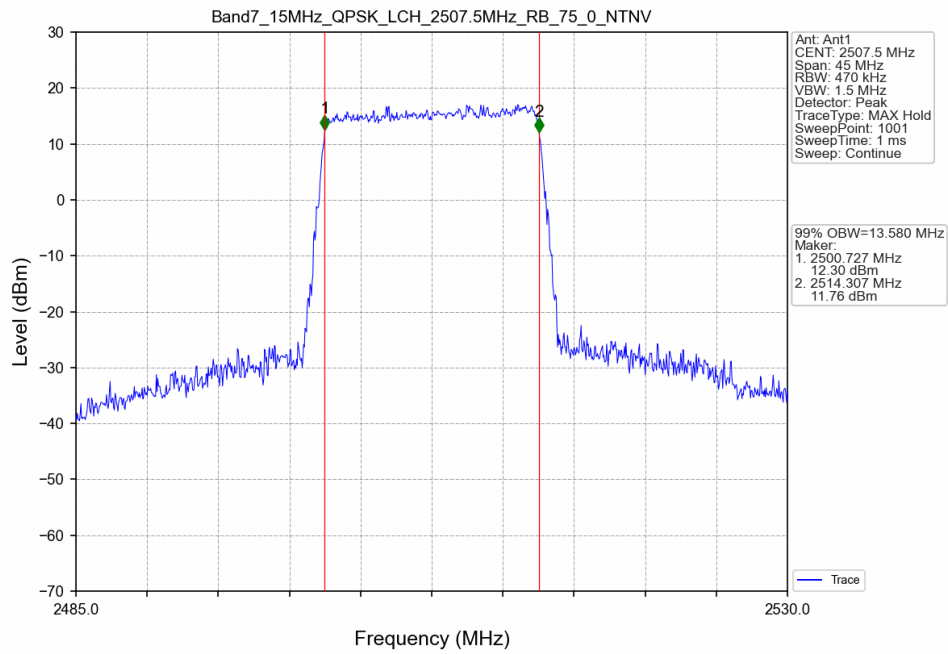
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



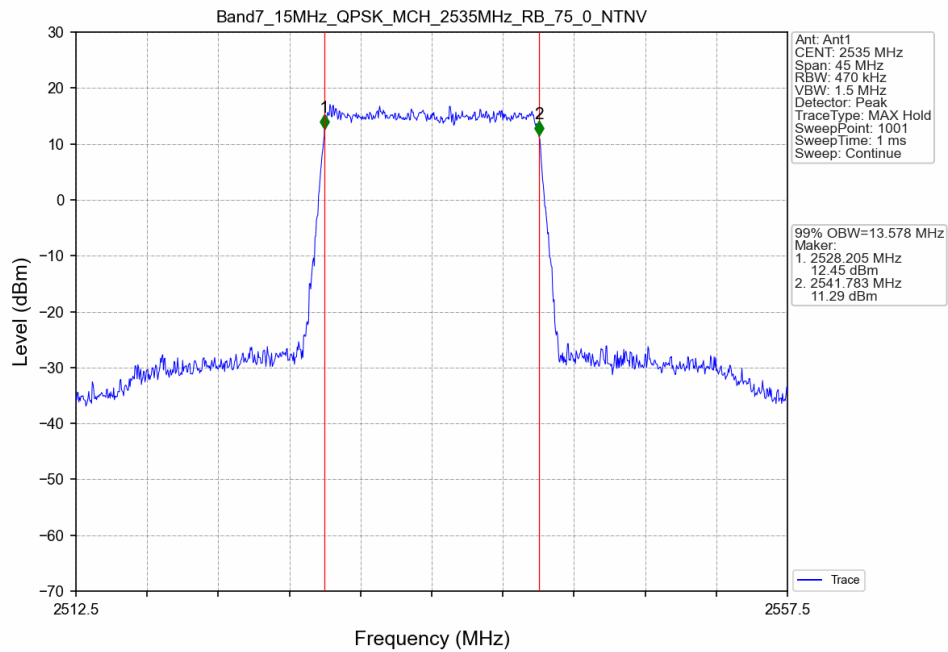
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



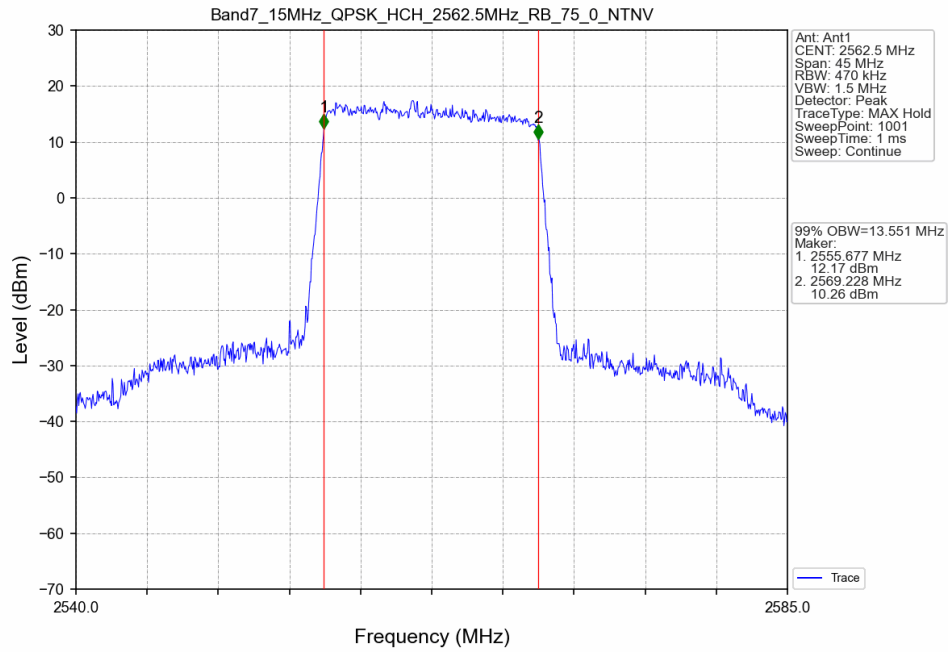
# Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



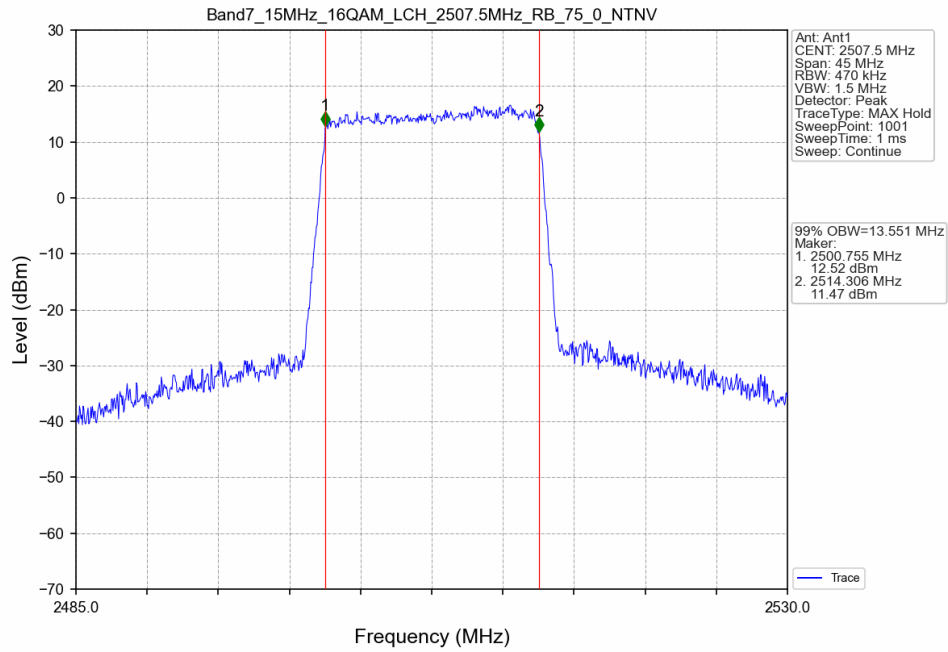
# Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



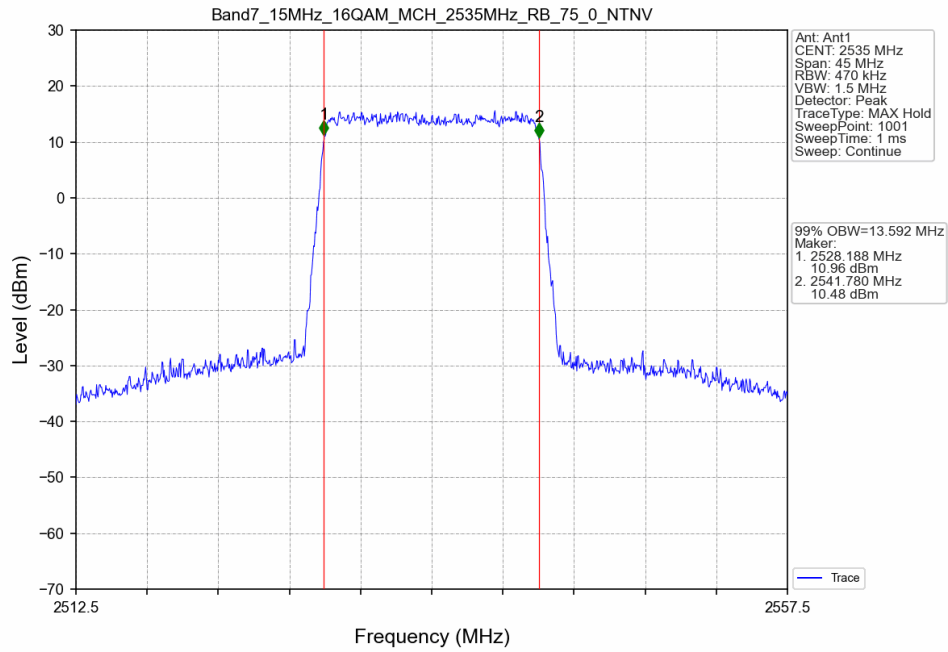
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTV



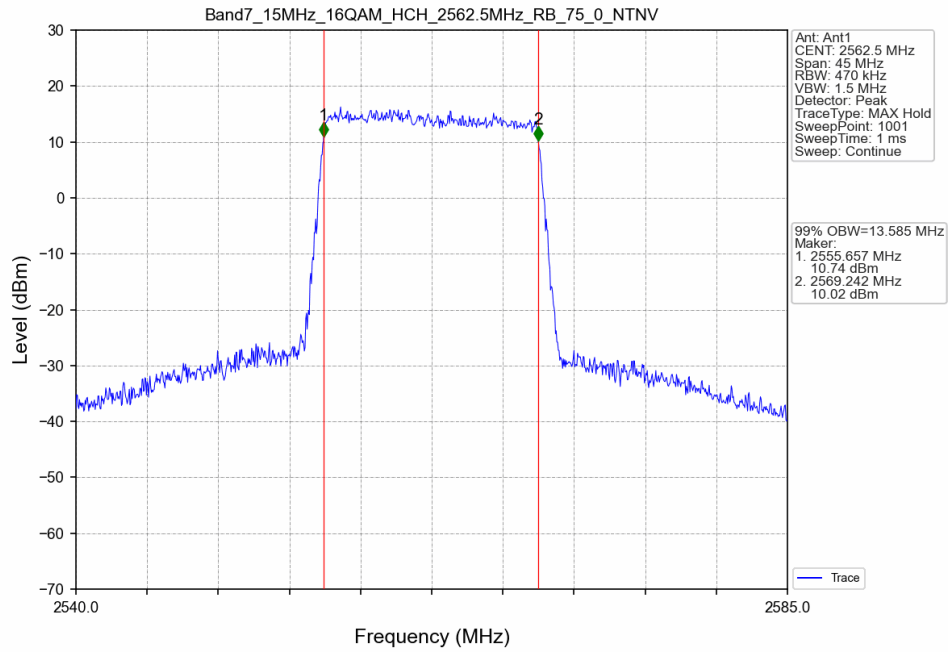
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTV



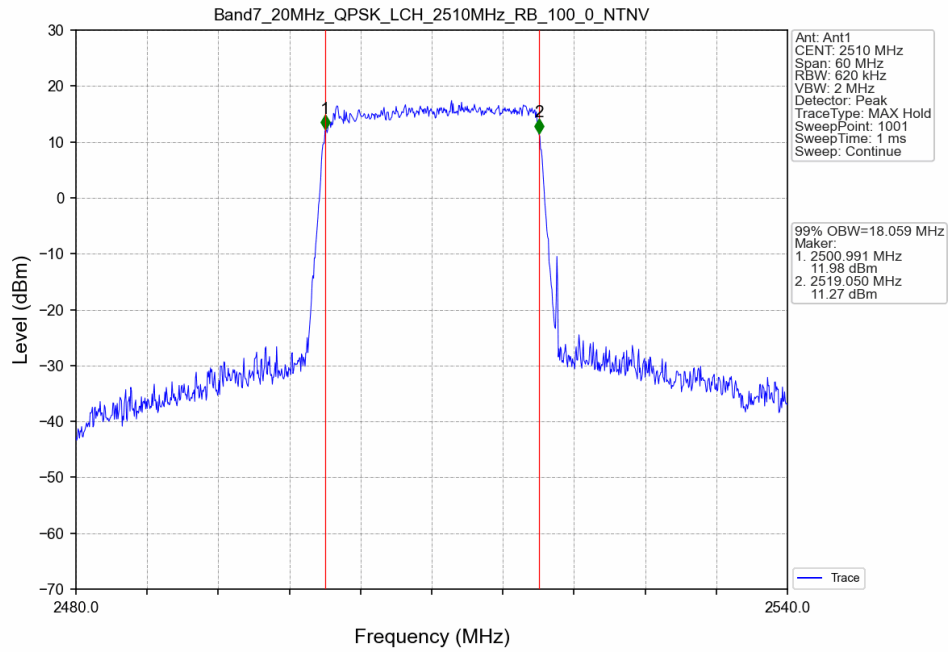
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



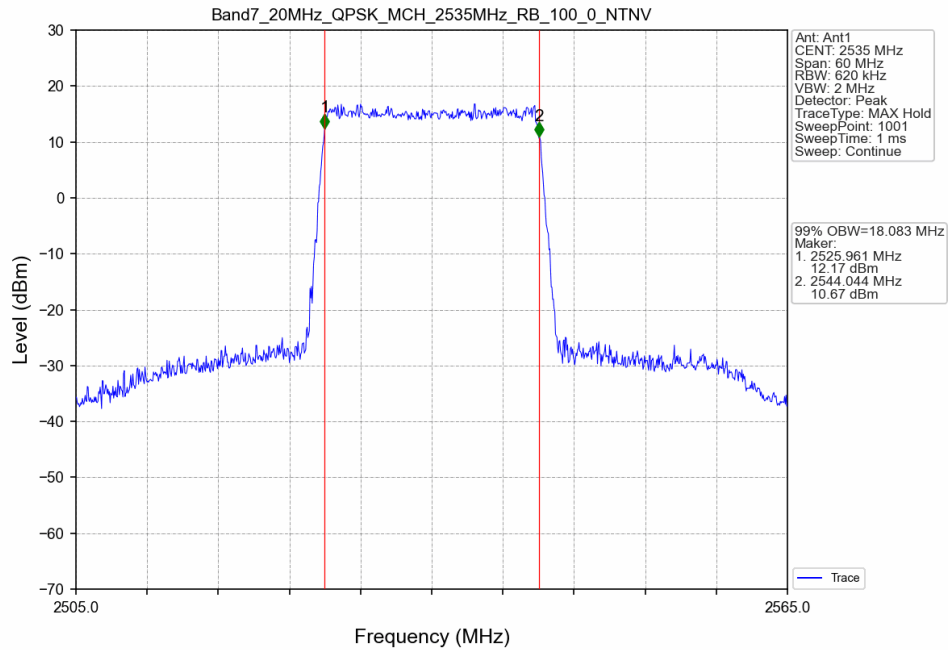
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



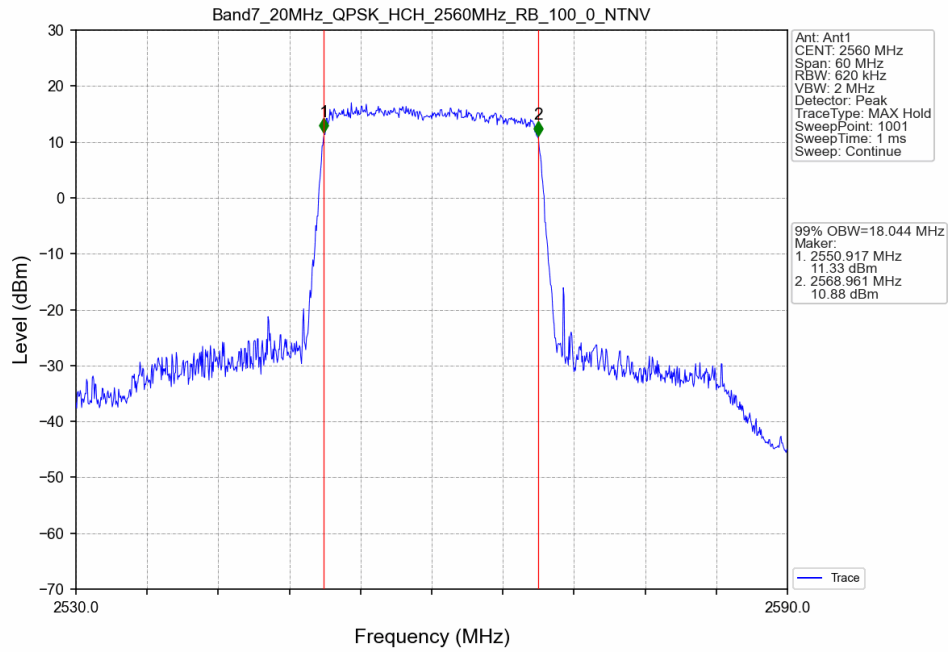
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV



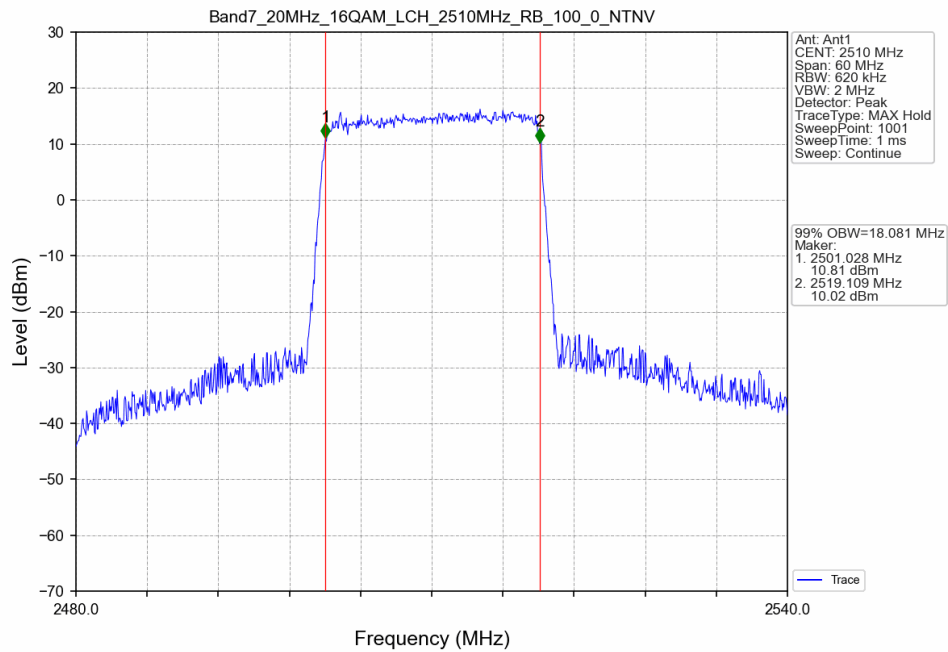
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTV



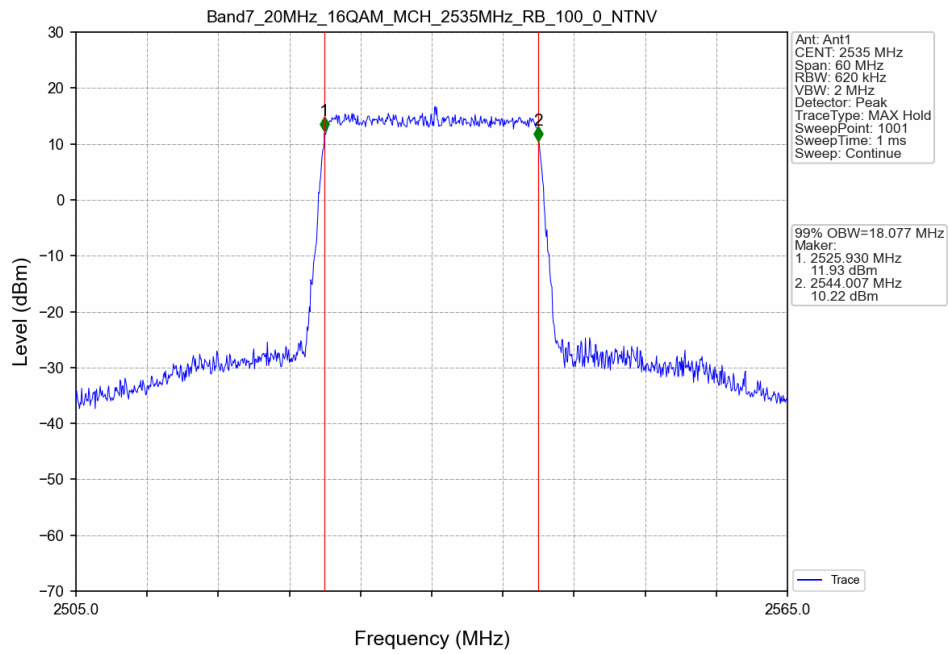
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



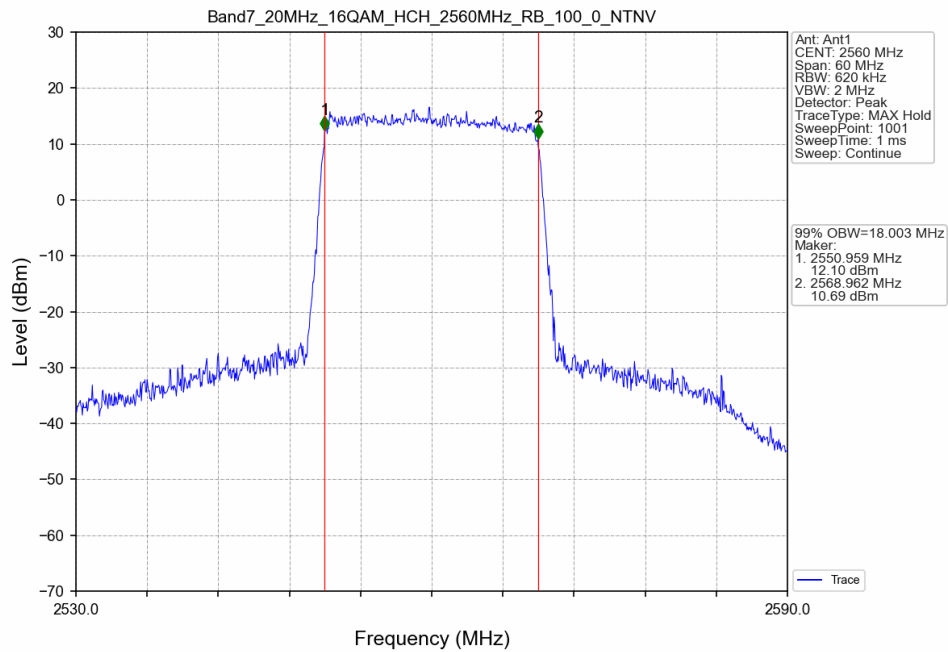
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV

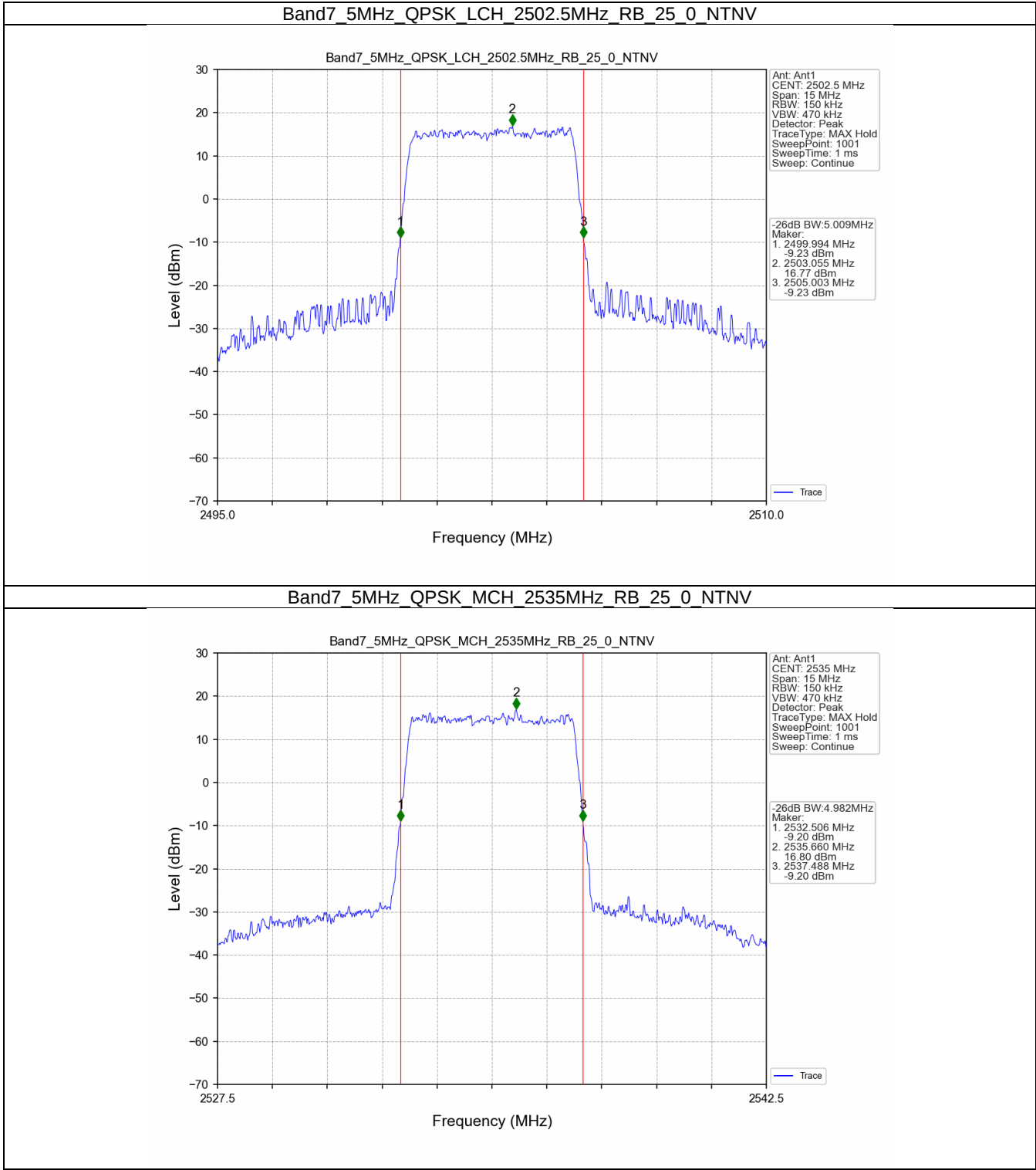


## 3.2 Band7\_XDB

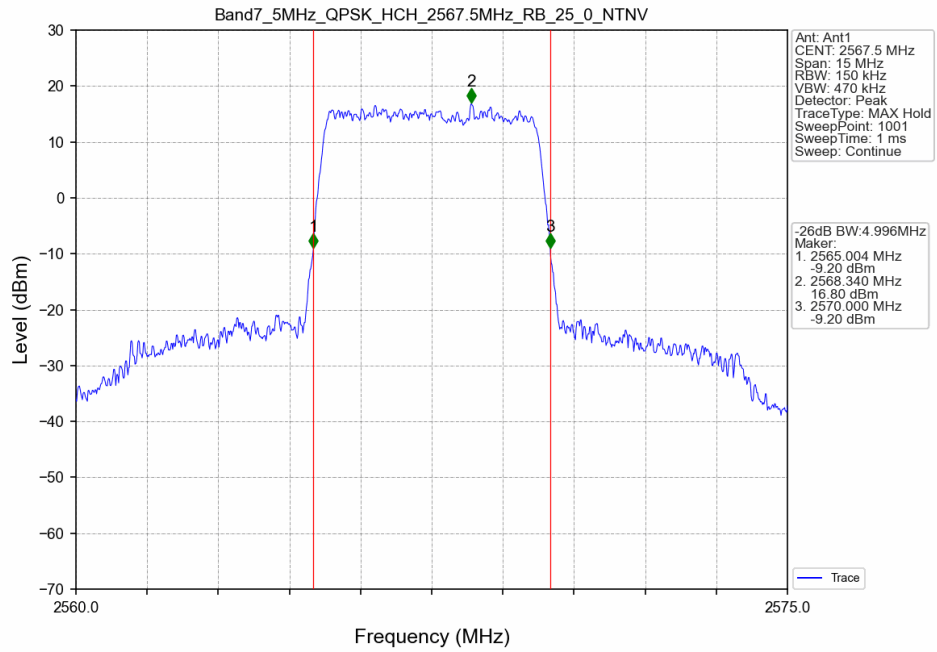
### 3.2.1 Test Result

| Band: 7 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 5.009                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.982                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.996                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 5.019                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.030                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.000                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 10.038               | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.931                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.945                | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.928                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.882                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.891                | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 14.962               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.837               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 14.852               | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 14.851               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.893               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 14.845               | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 19.650               | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 19.840               | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 19.640               | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 19.676               | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 19.639               | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 19.542               | /     | Pass    |

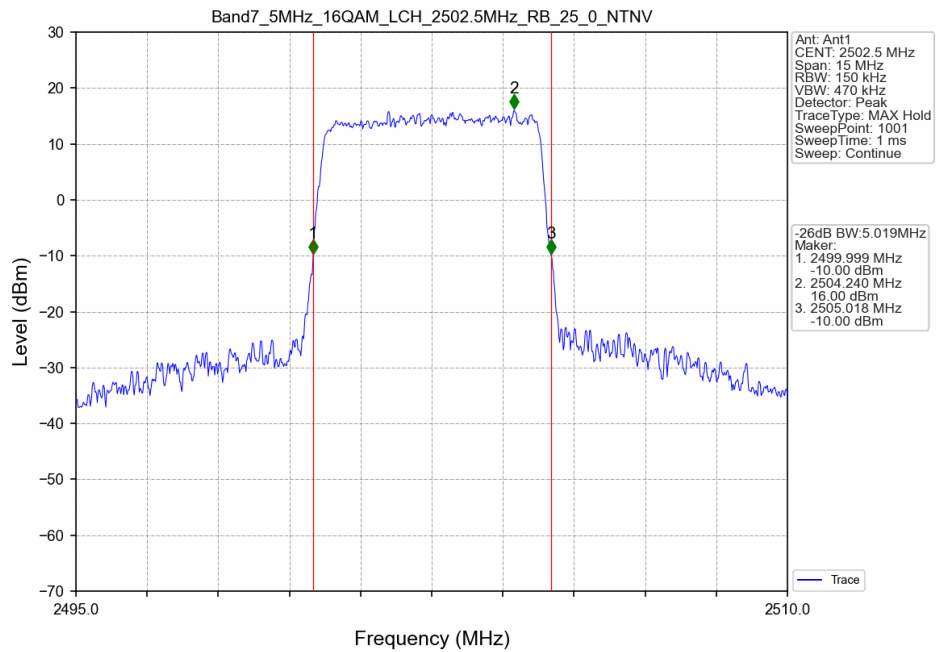
3.2.2 Test Graph



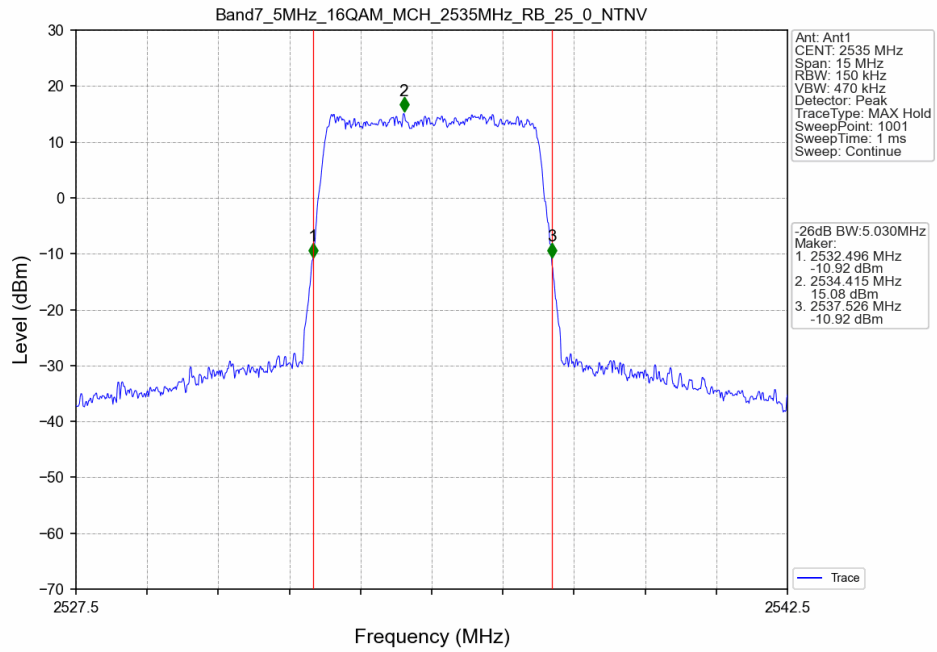
# Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



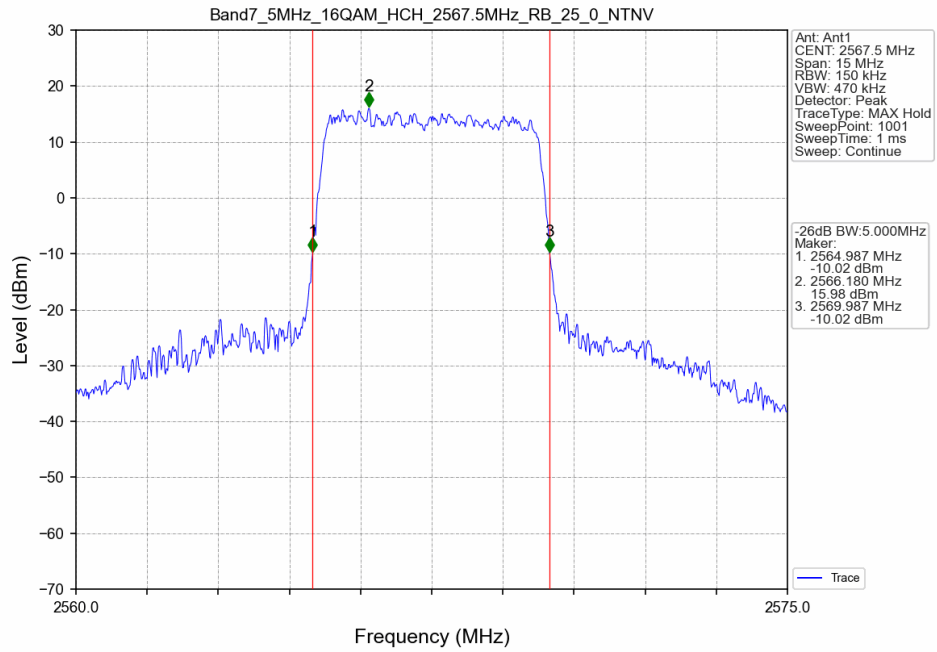
# Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



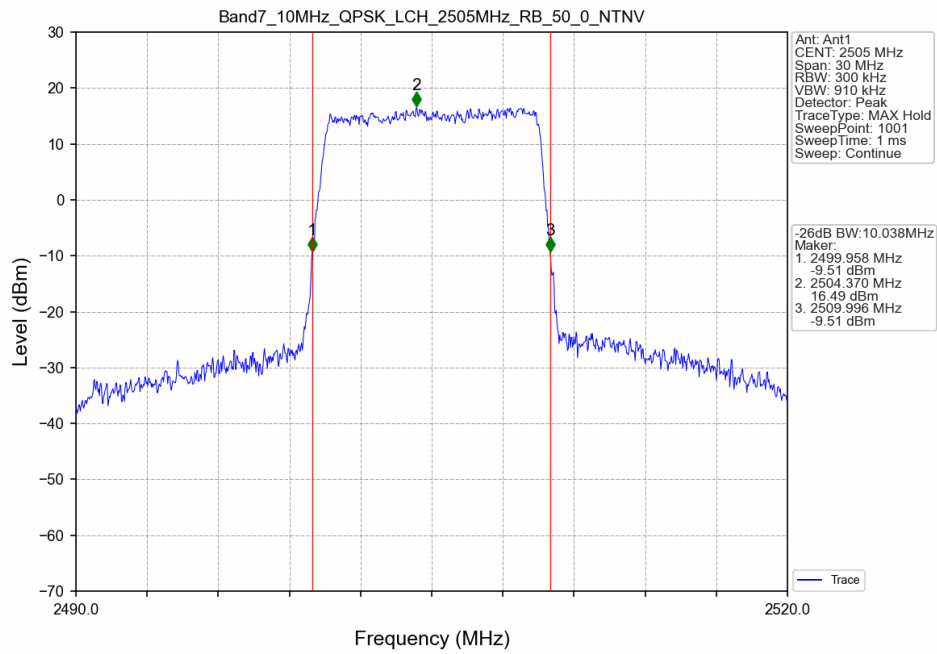
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



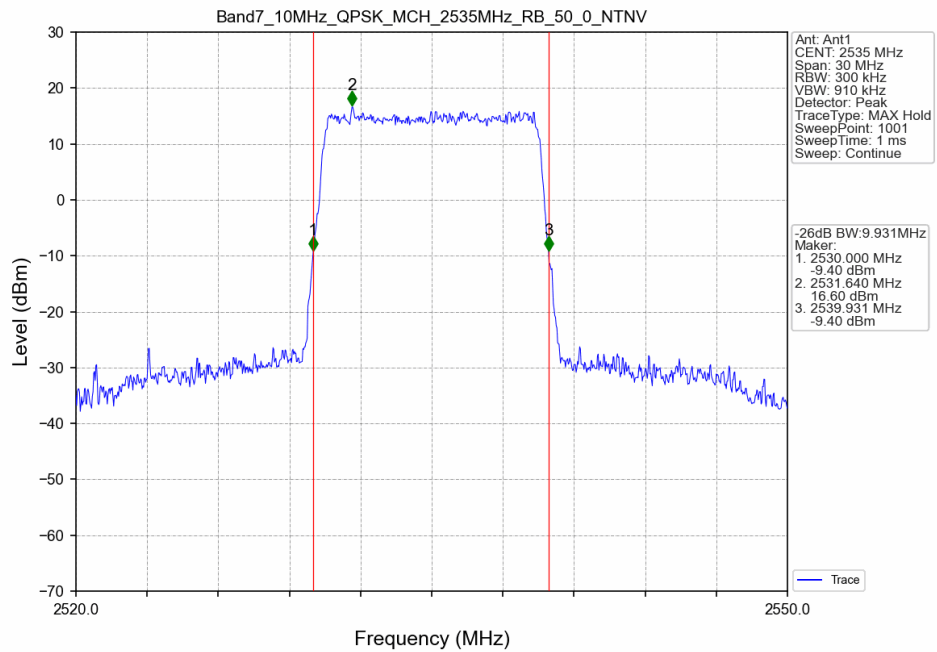
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



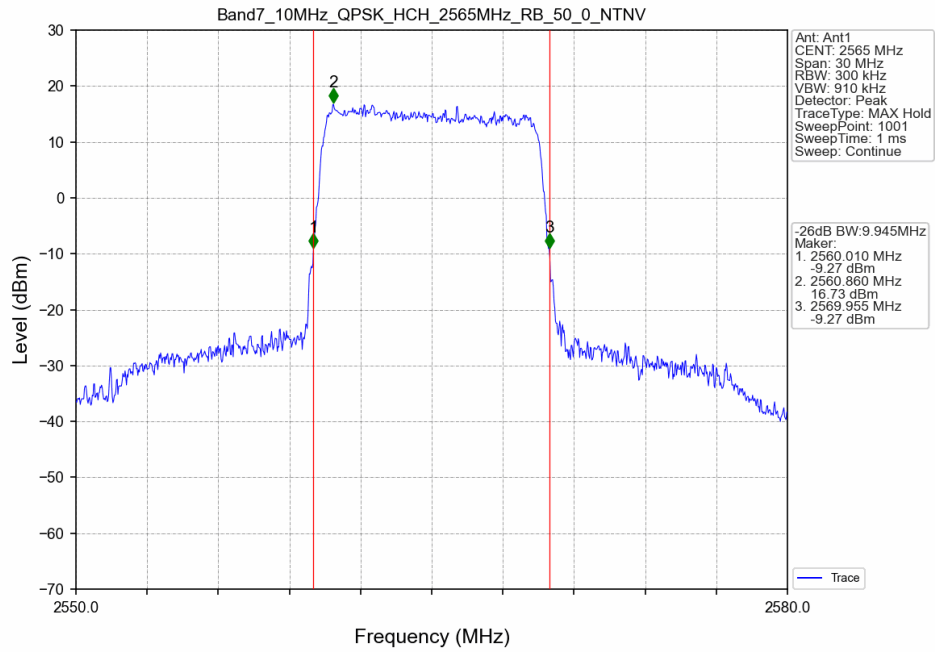
# Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



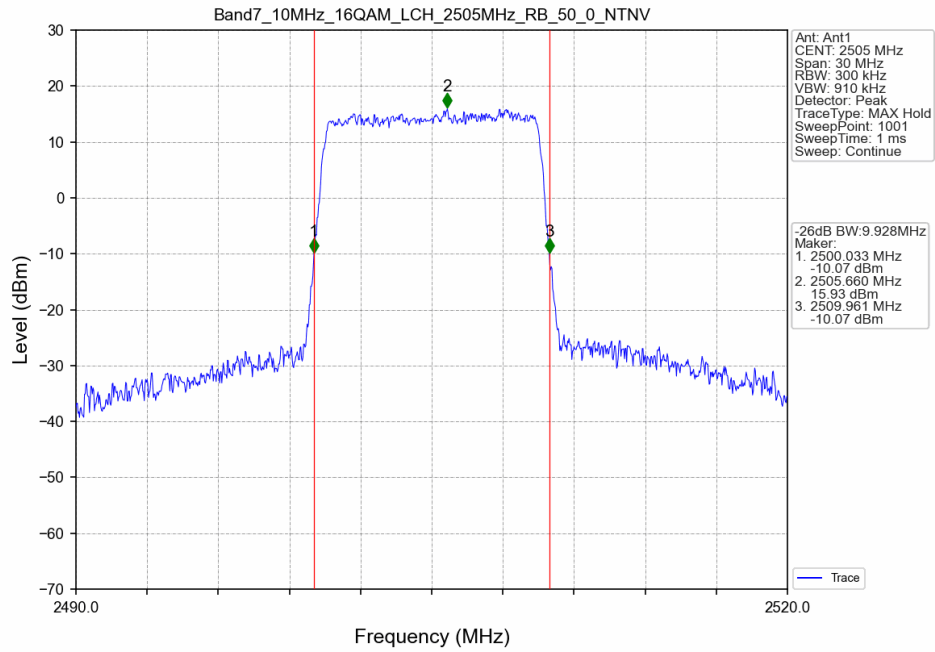
# Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



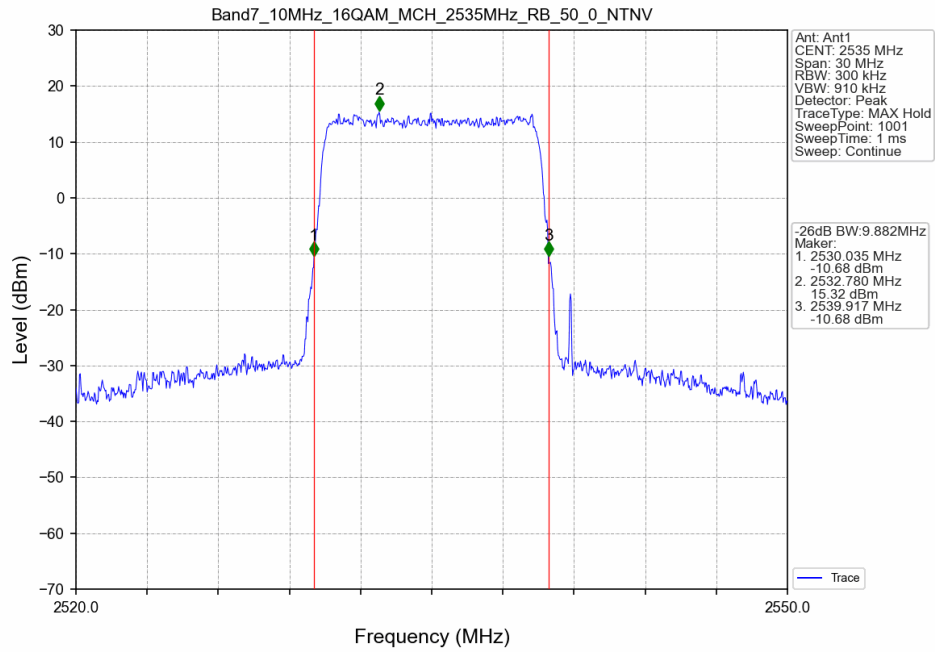
# Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



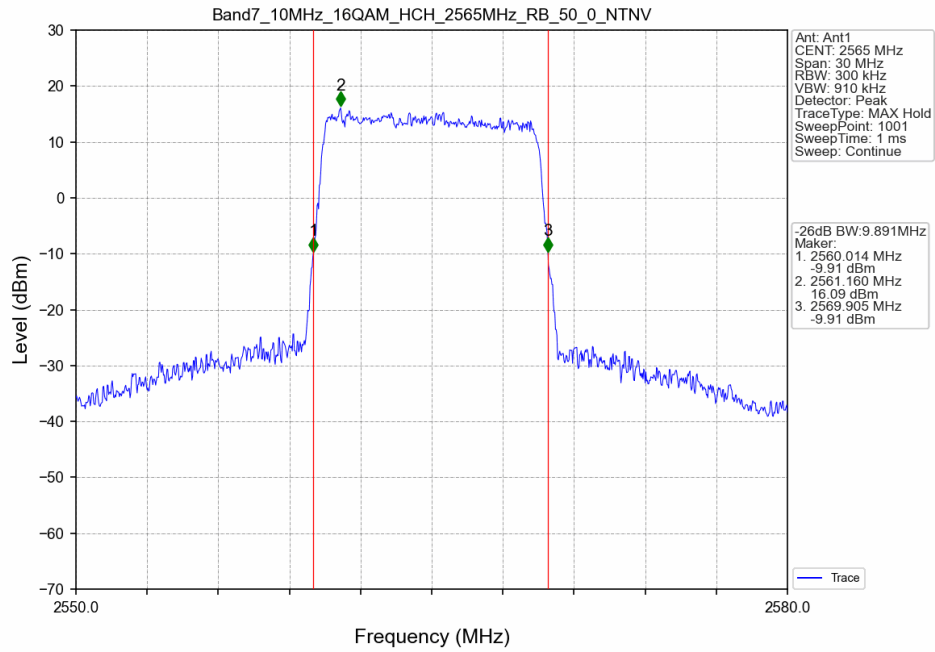
# Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



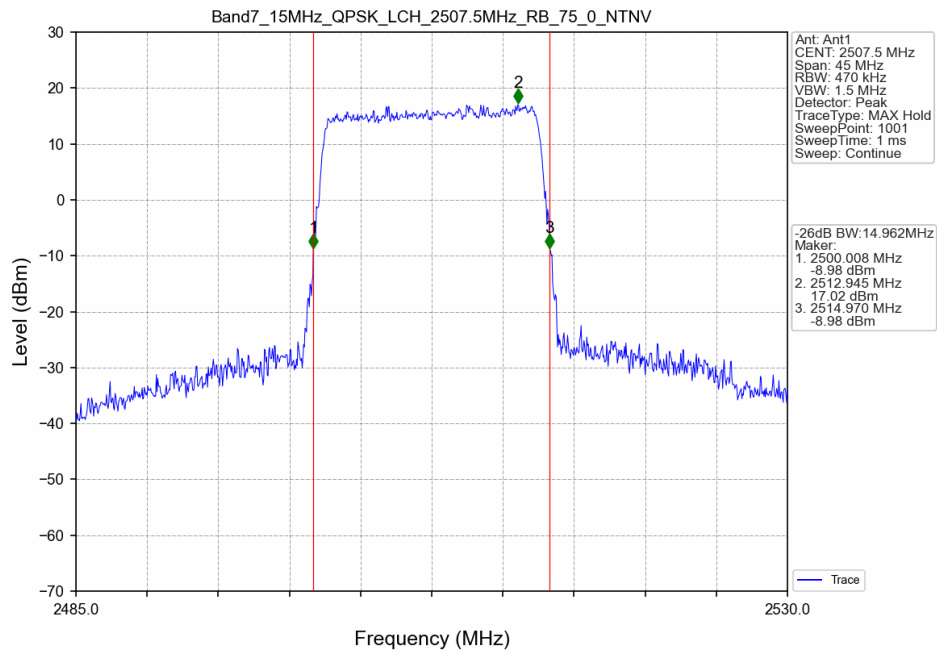
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



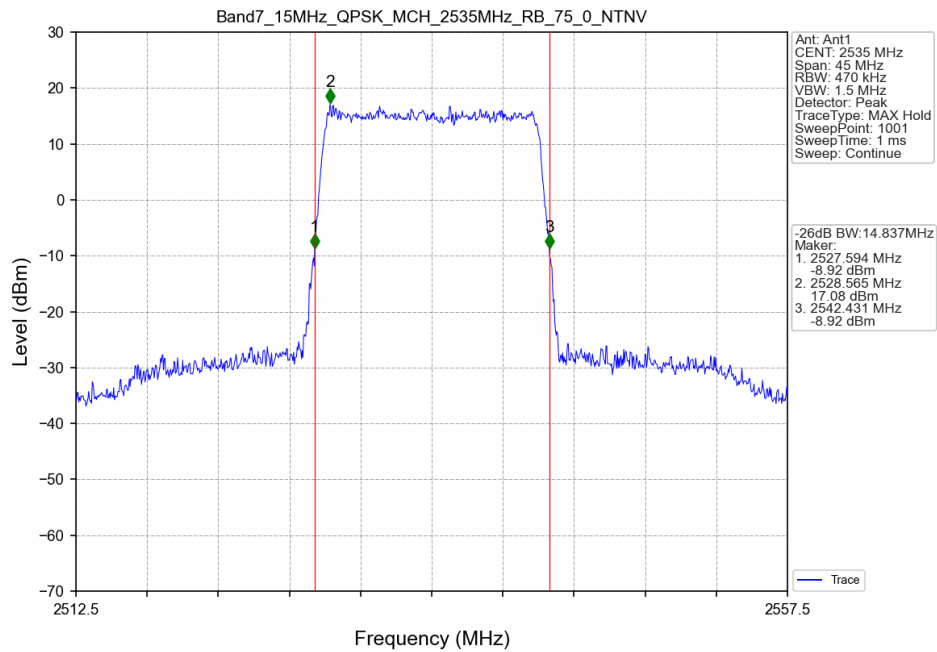
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



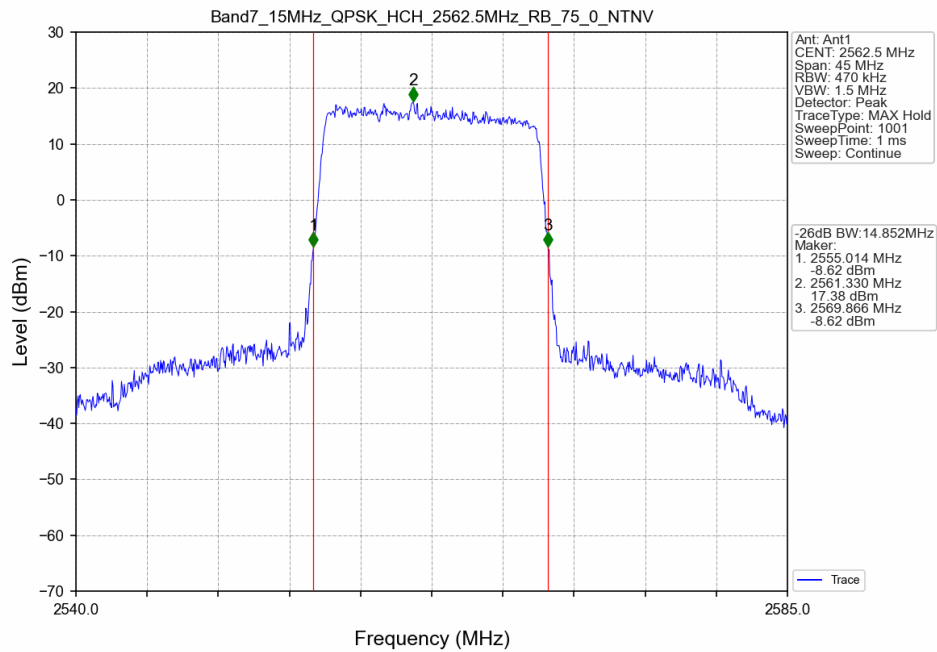
# Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTN



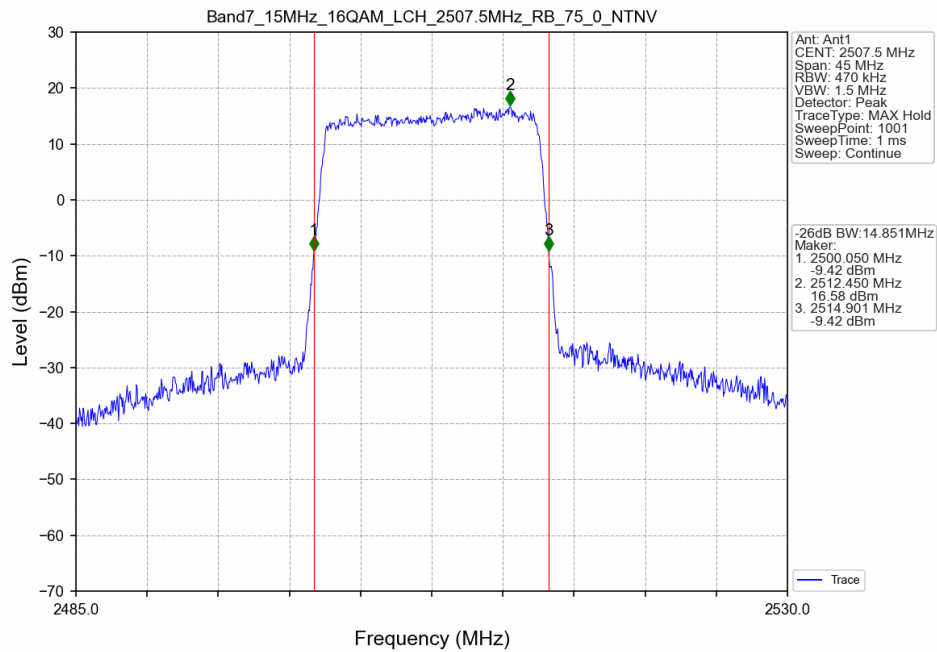
# Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTN



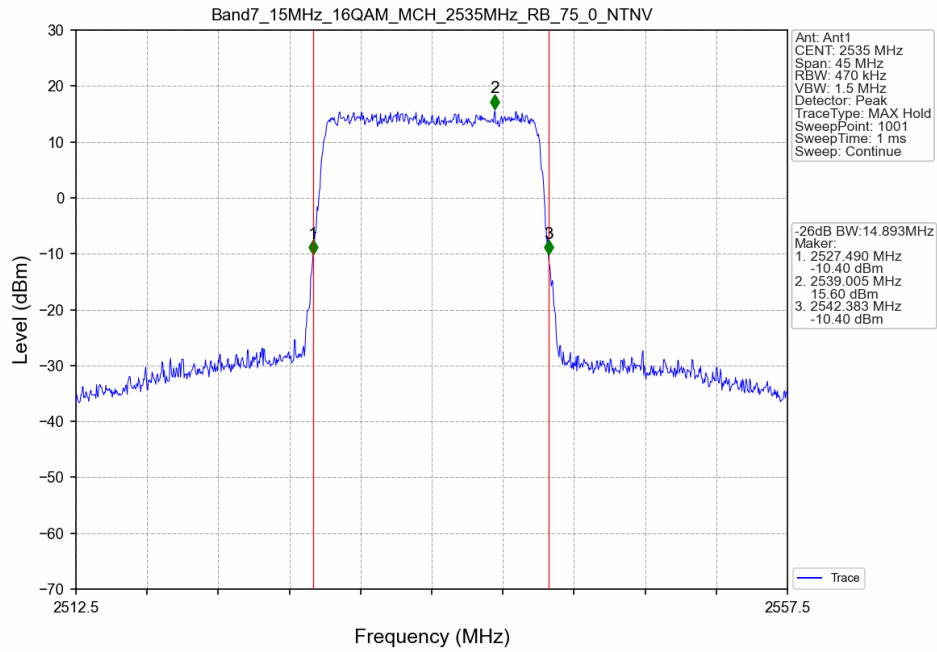
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTV



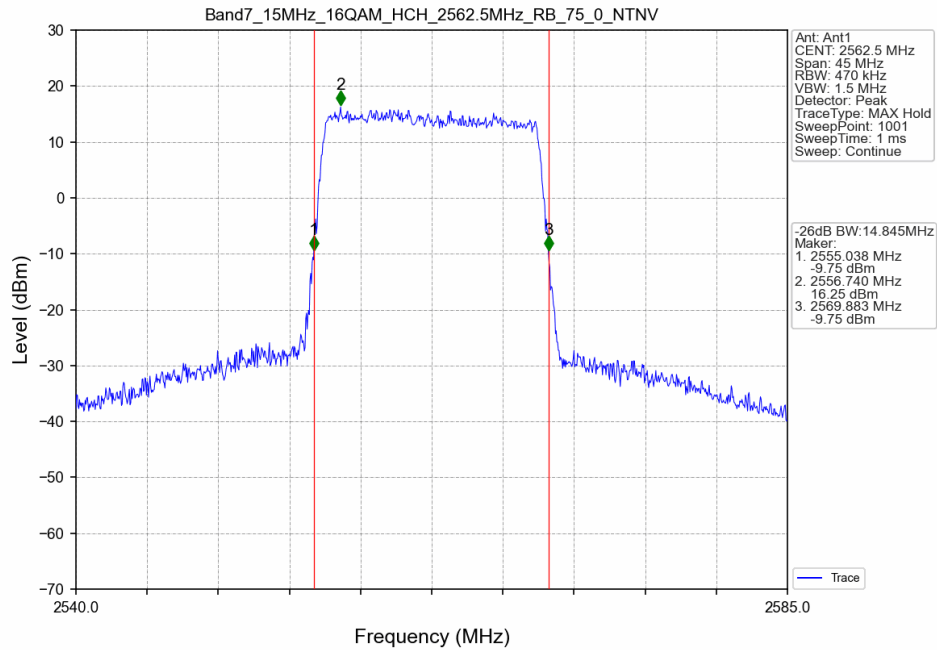
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTV



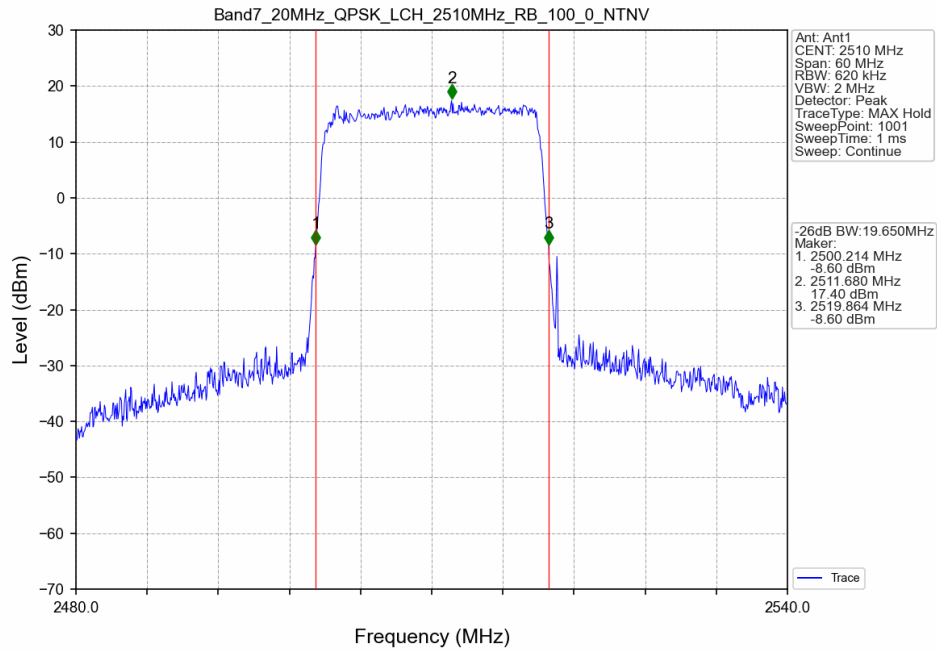
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



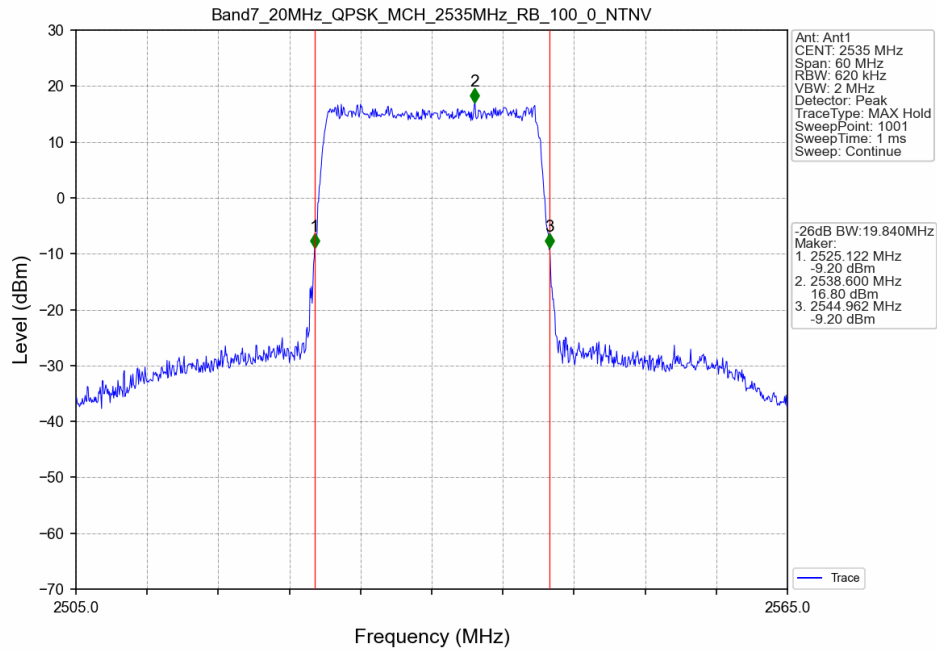
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



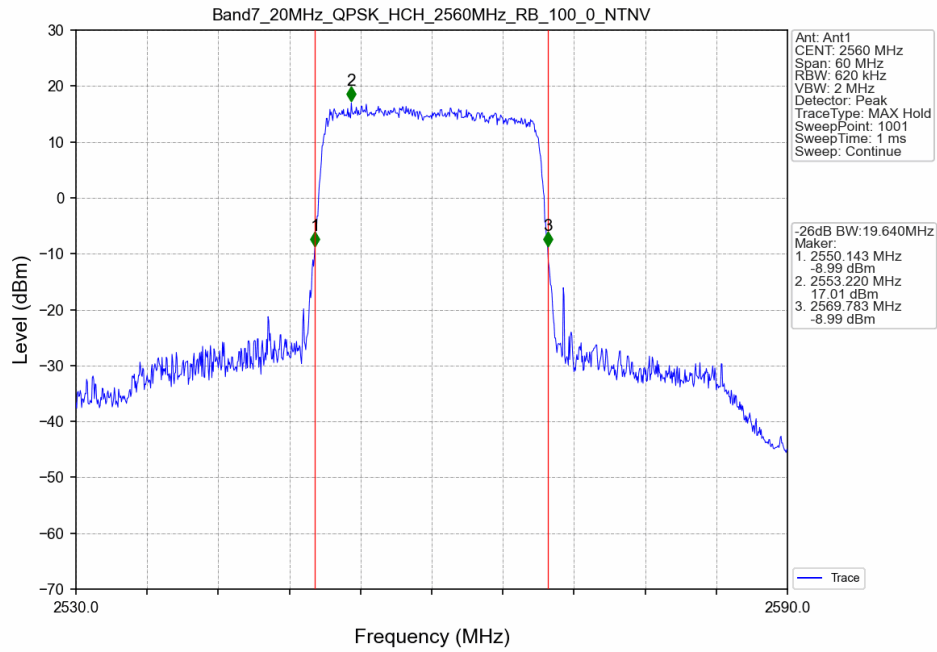
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



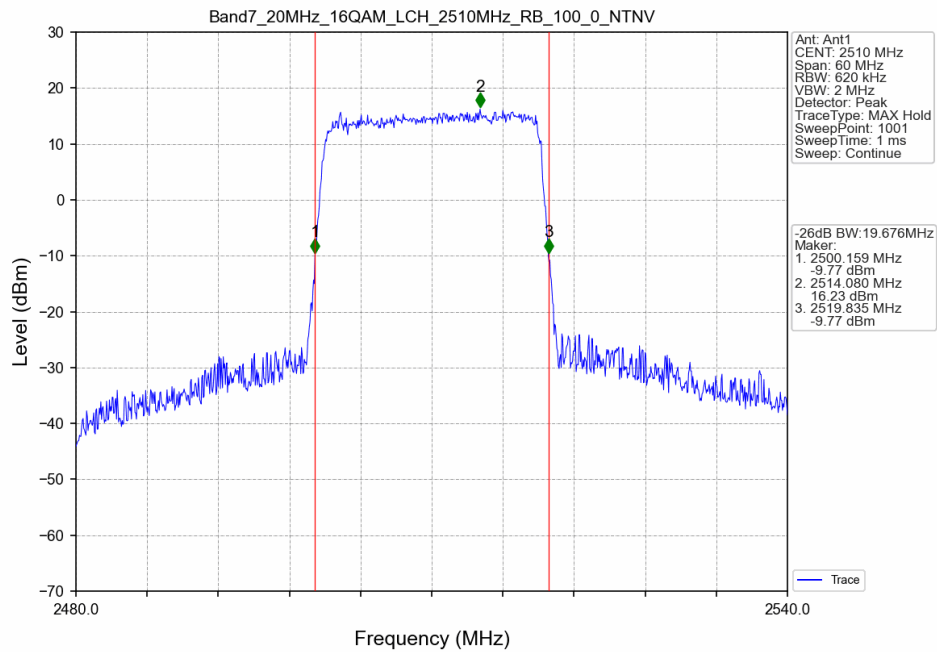
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



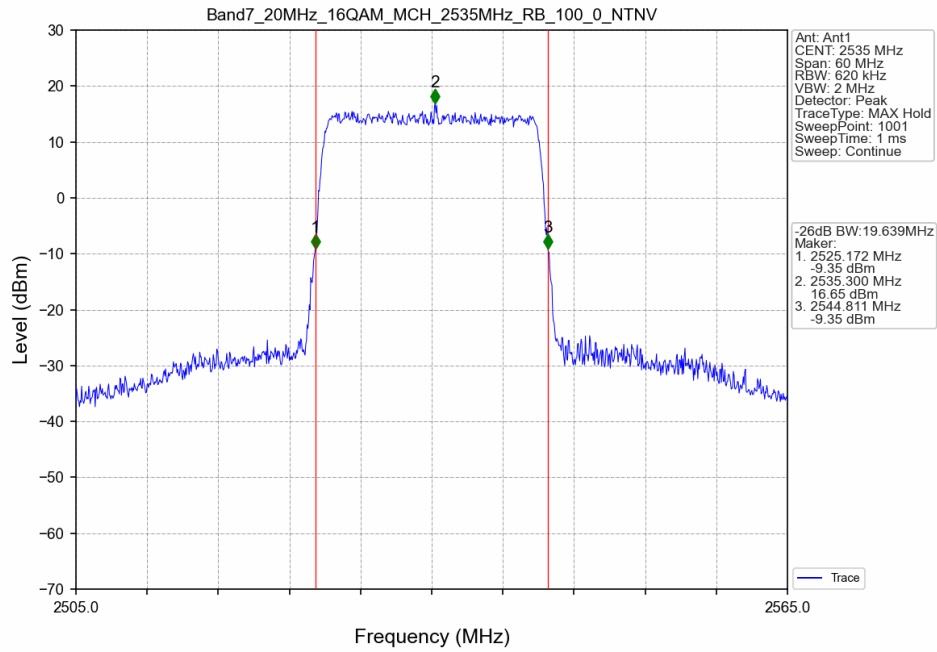
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



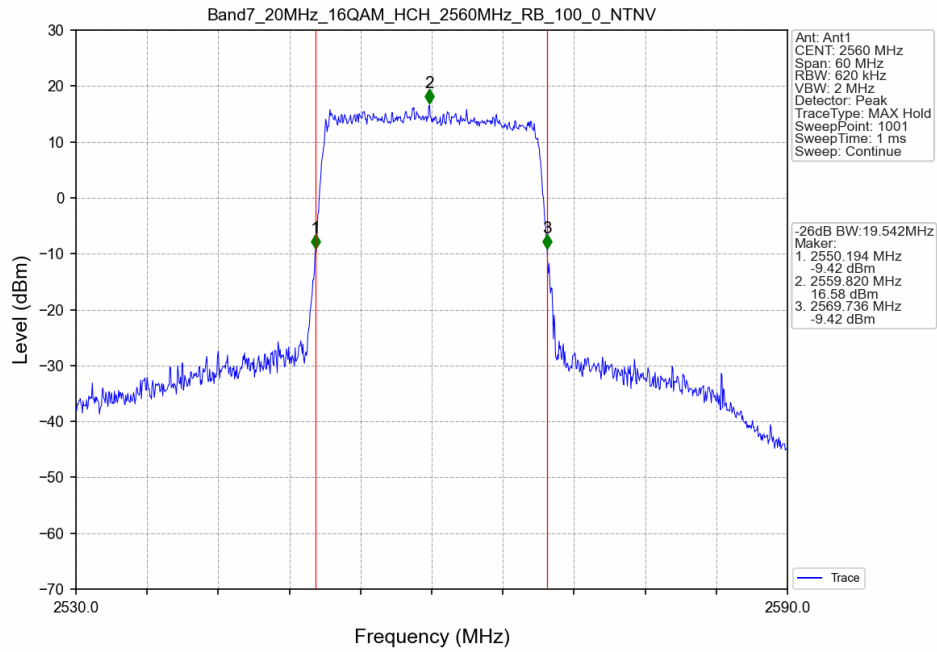
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



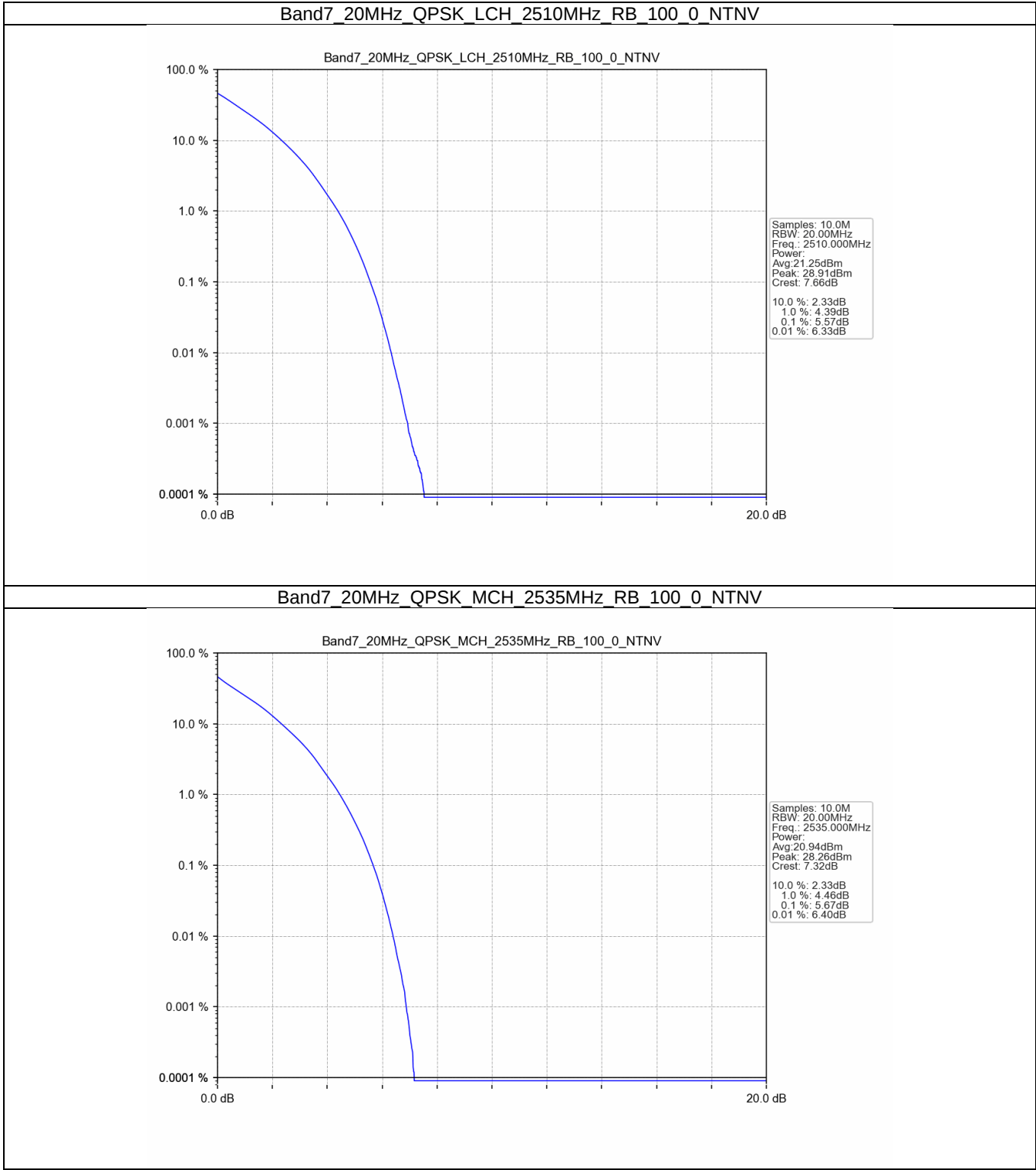
4. Peak-Average Ratio

4.1 B7\_20MHz

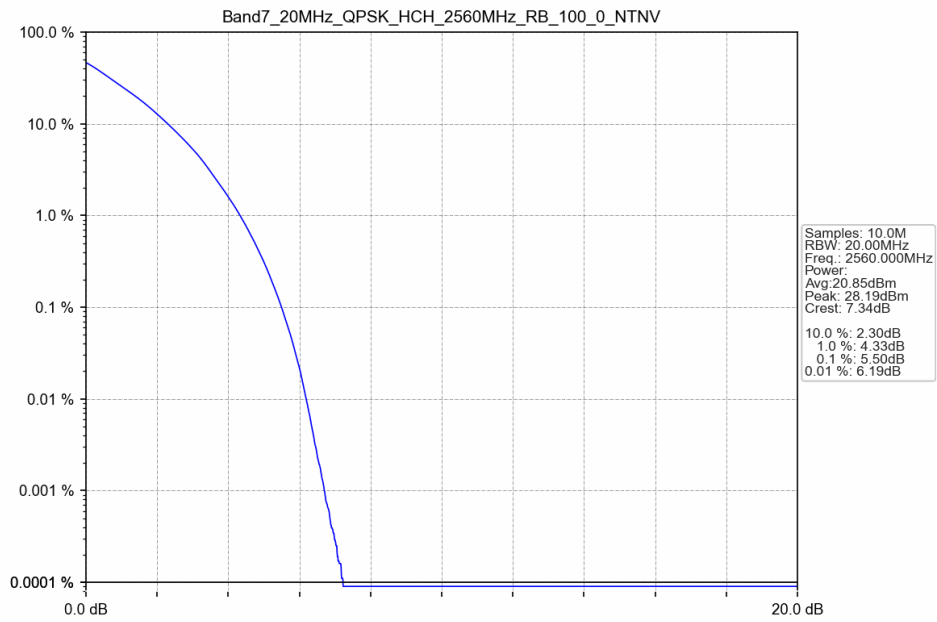
4.1.1 Test Result

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2510            | 100           | 0      | 5.57                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.67                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.50                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.35                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 6.42                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 6.26                    | <=13  | Pass    |

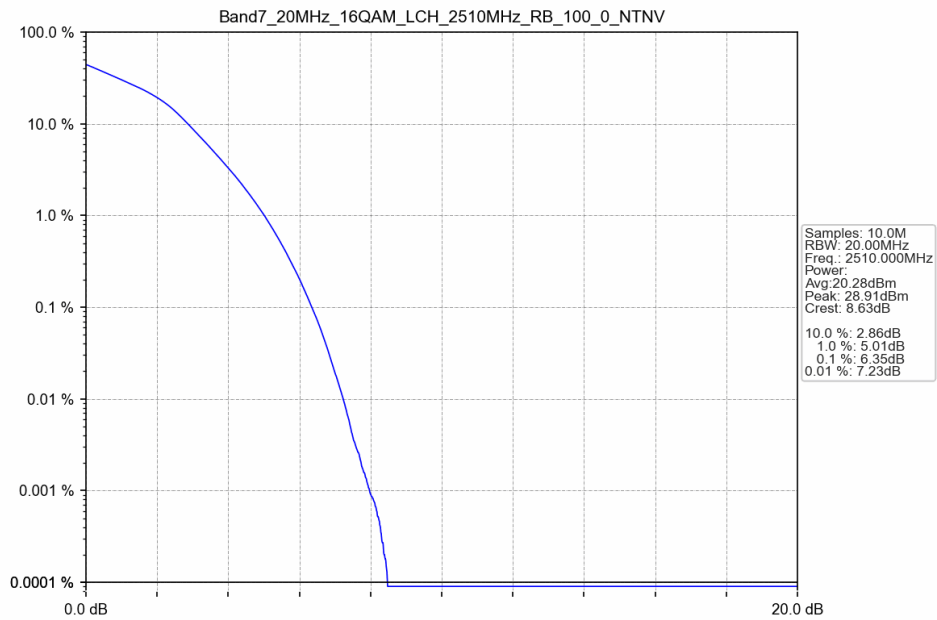
4.1.2 Test Graph



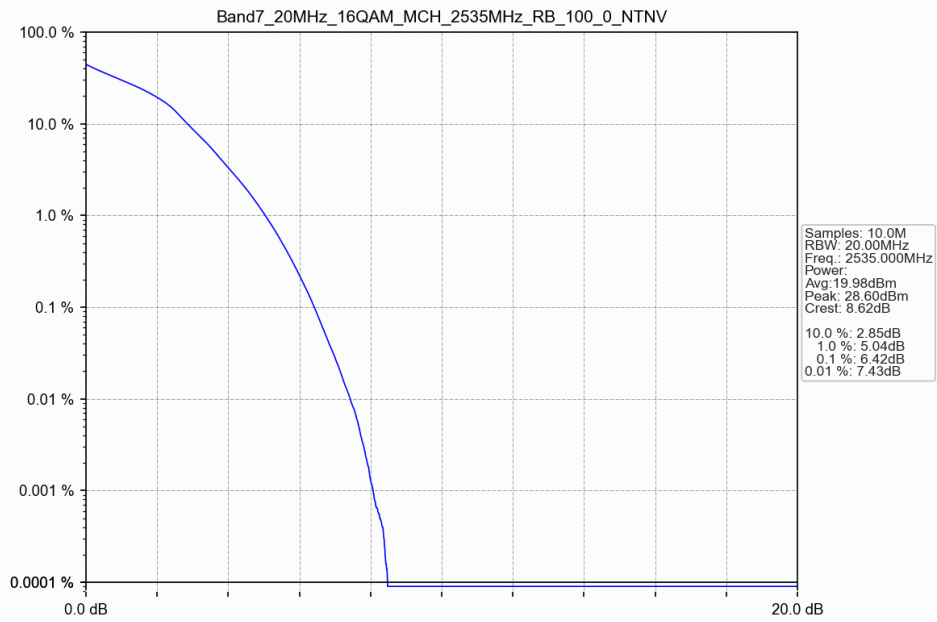
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



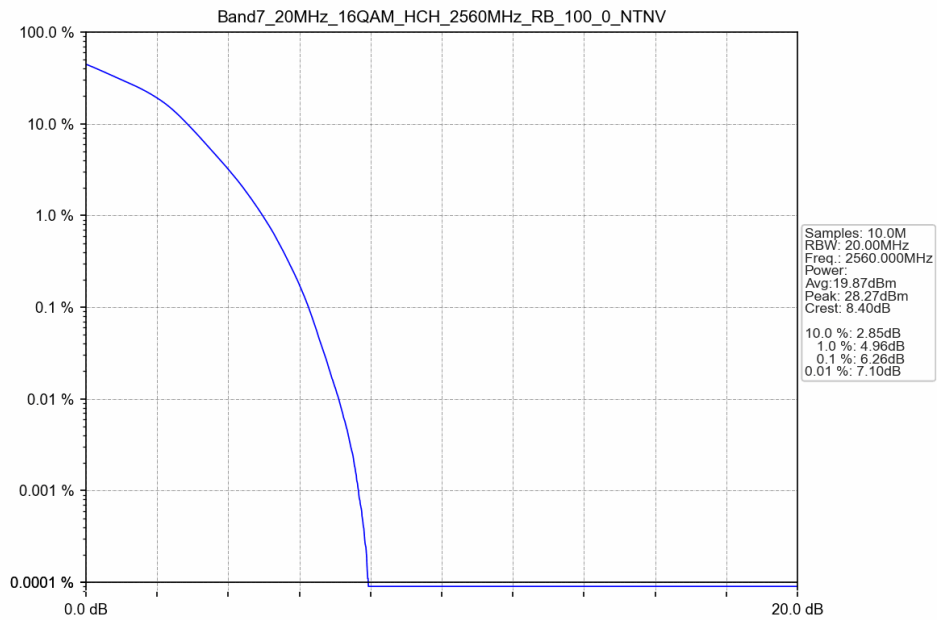
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



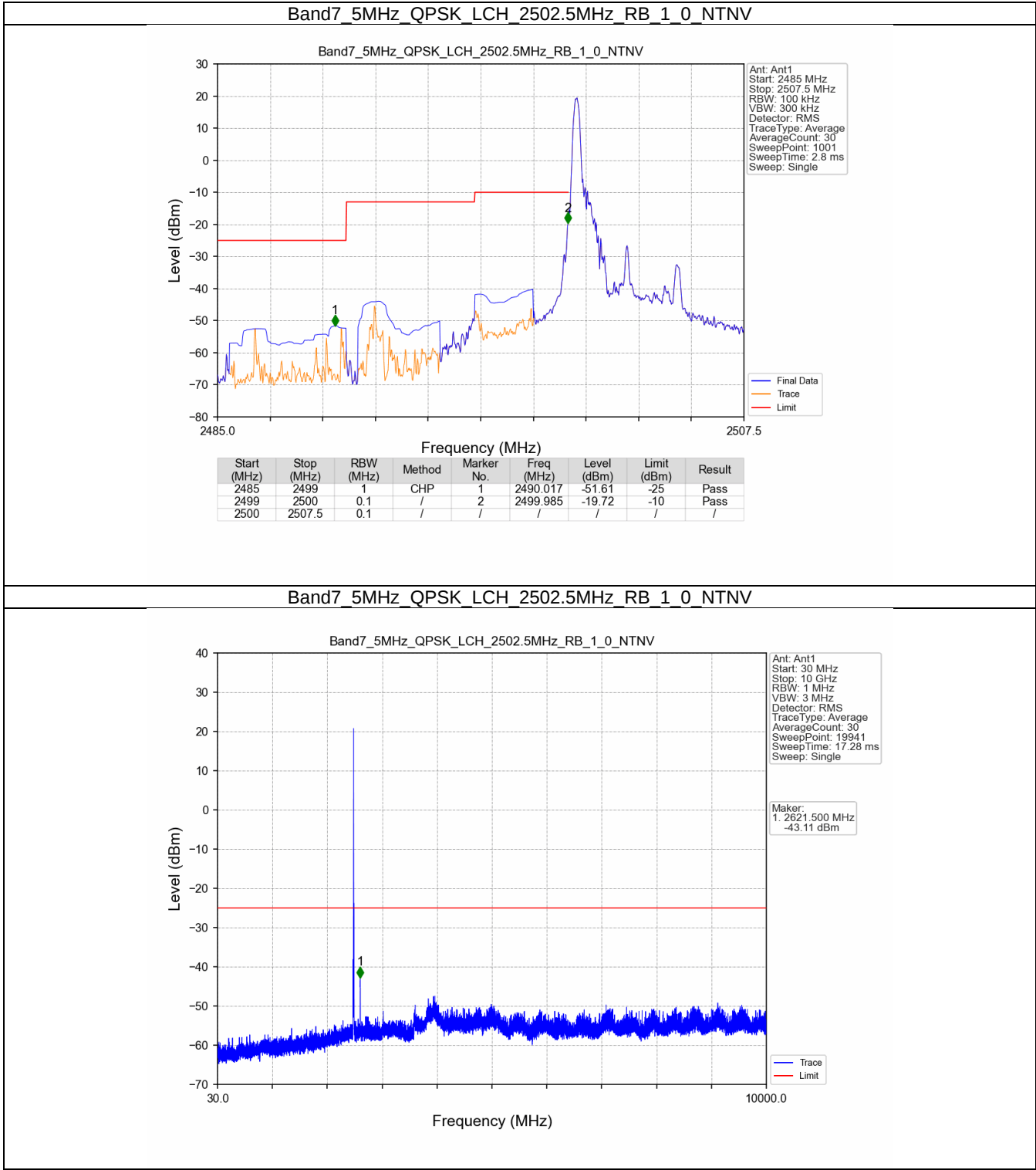
5. Spurious Emission

5.1 B7\_5MHz

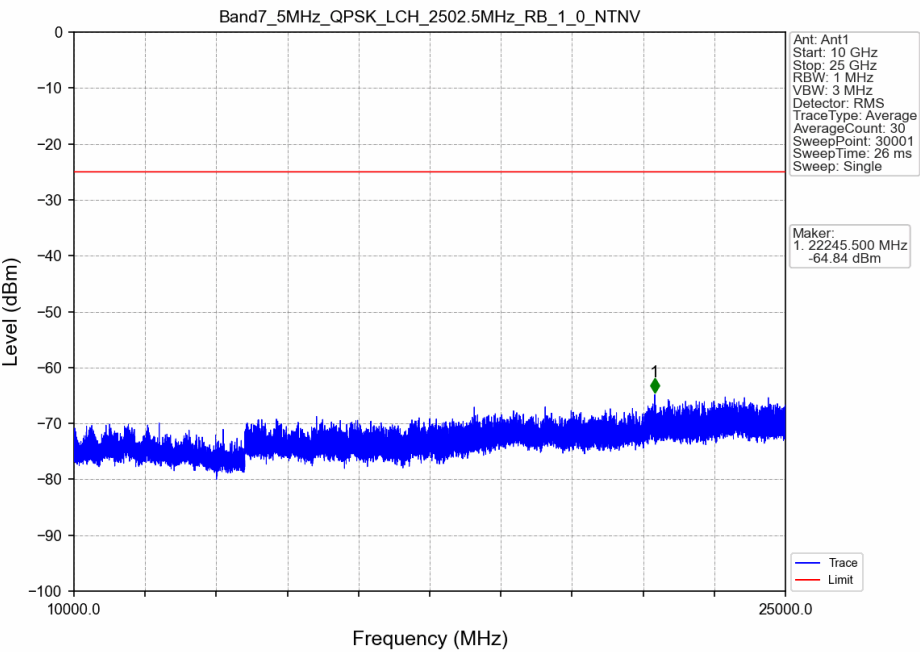
5.1.1 Test Result

| Band: 7 / Bandwidth: 5MHz / NTNV |                    |               |        |                     |       |         |
|----------------------------------|--------------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency<br>(MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                    | Size          | Offset | Result              | Limit |         |
| QPSK                             | 2502.5             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                    | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535               | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2567.5             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                    |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                    | 25            | 0      | Refer To Test Graph |       | Pass    |

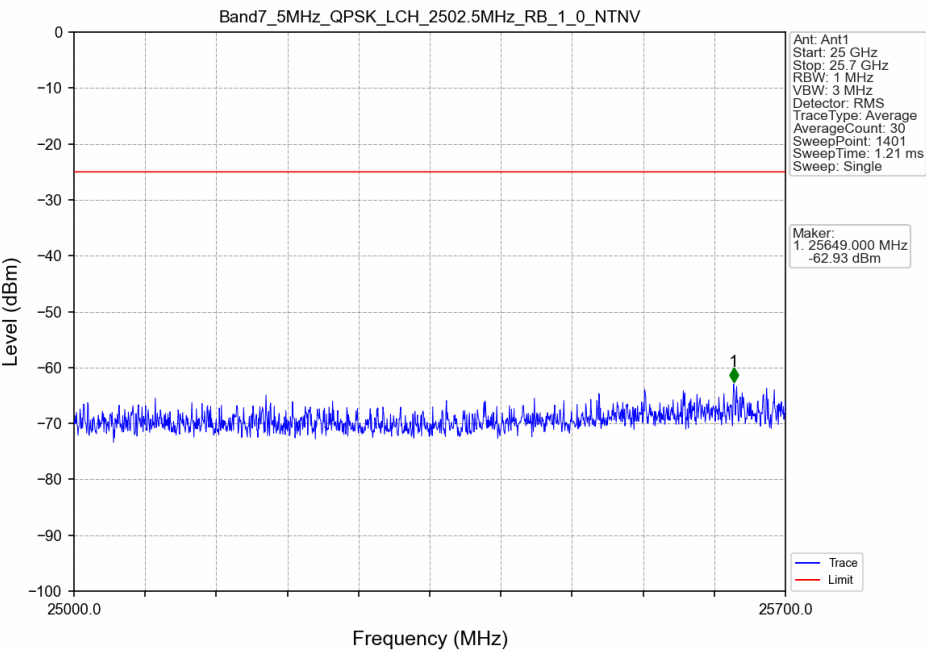
5.1.2 Test Graph



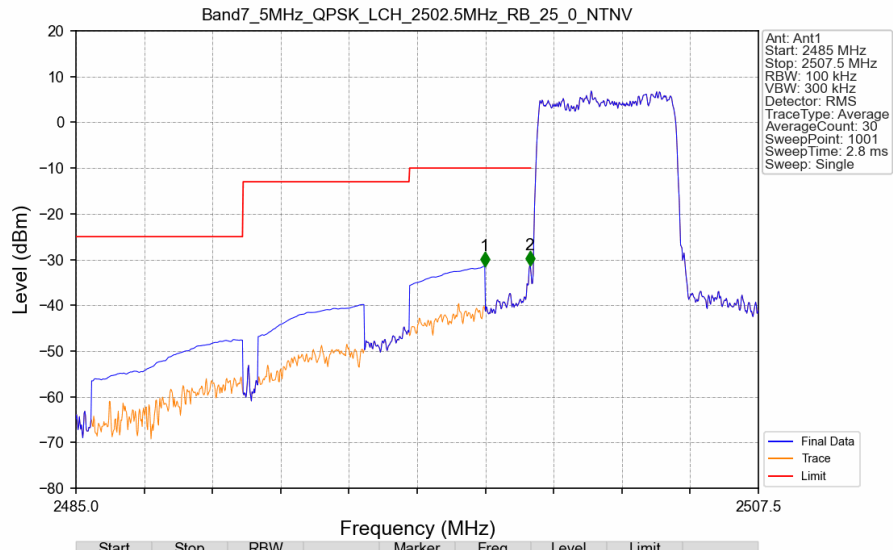
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



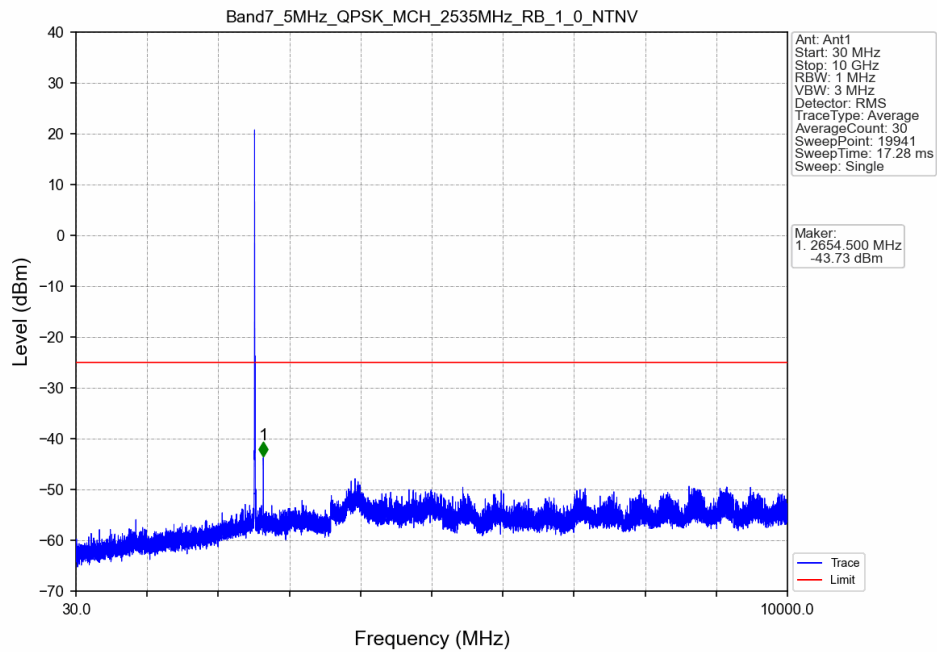
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



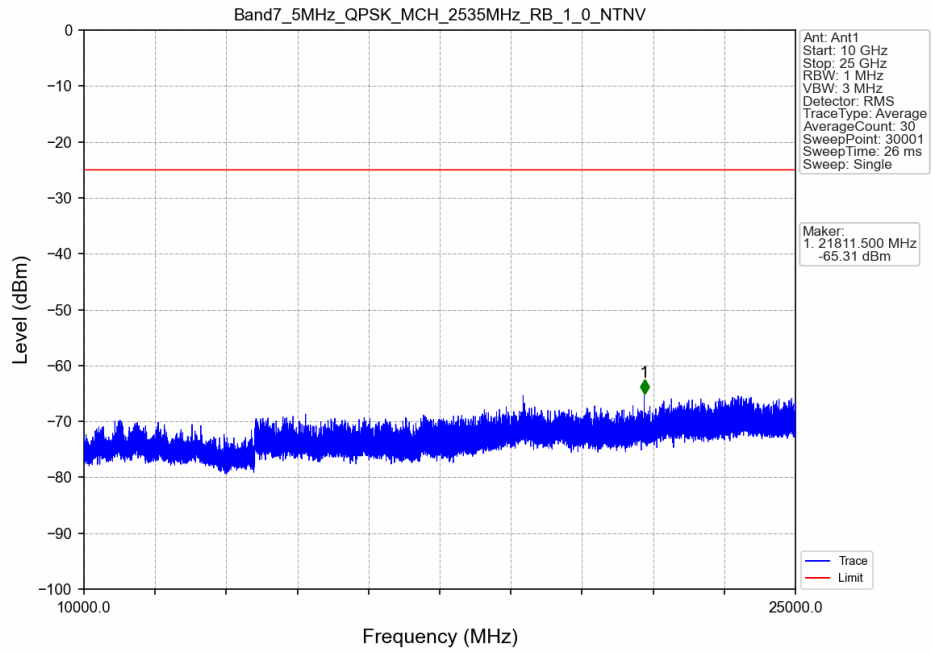
# Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTN



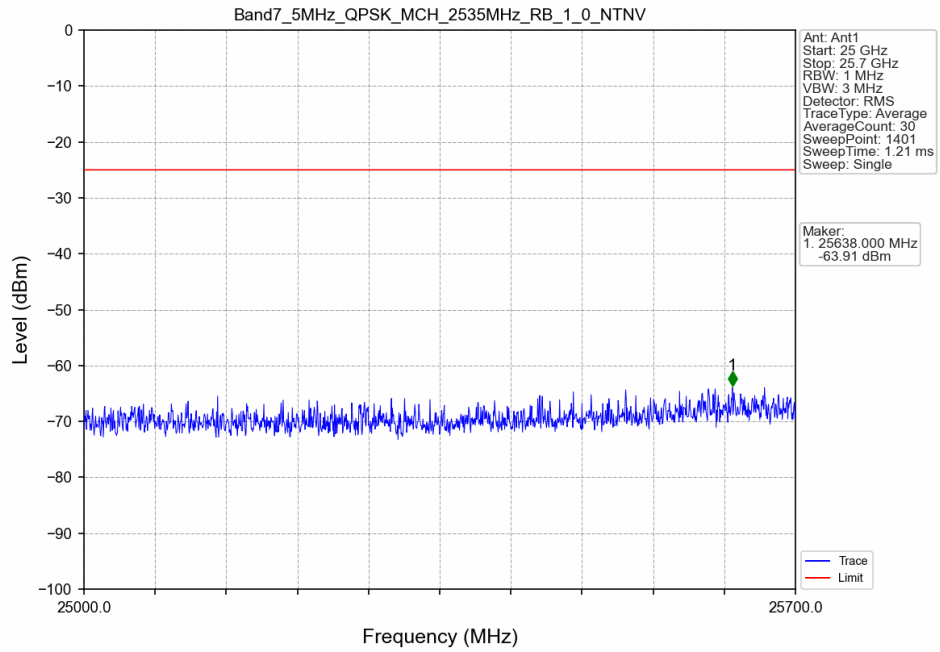
# Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



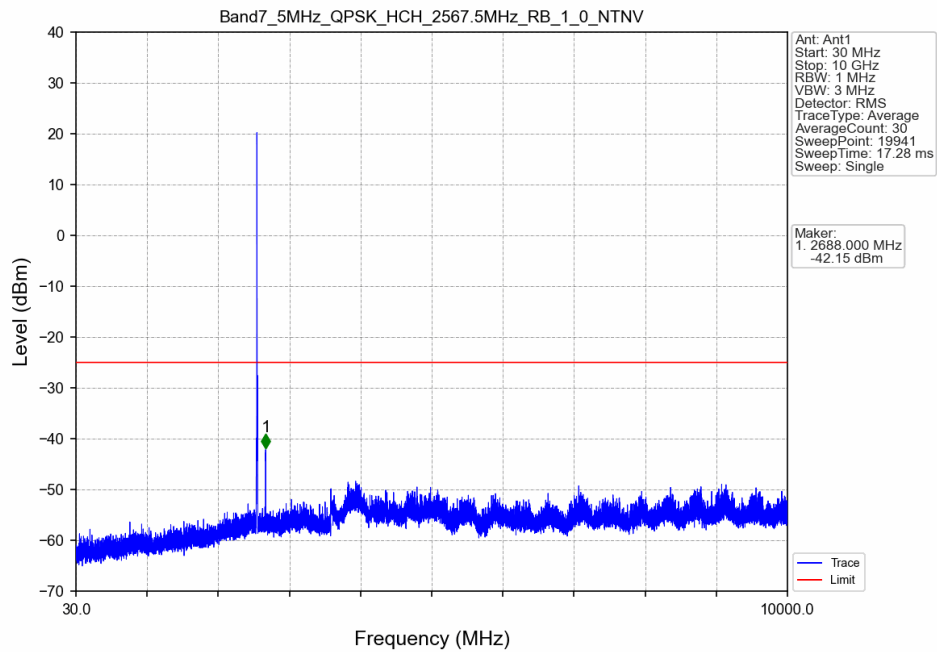
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



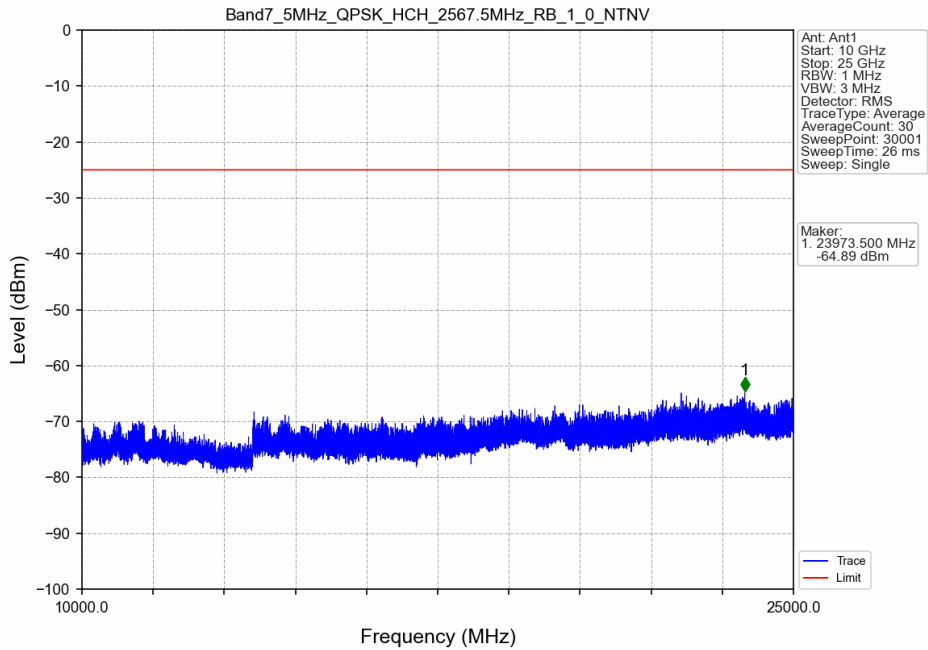
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



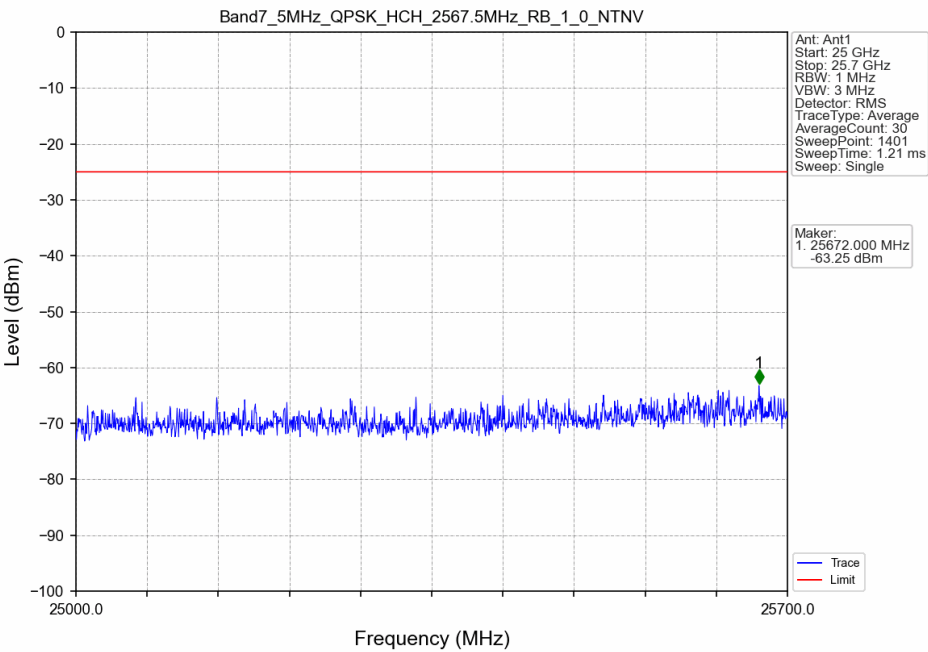
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



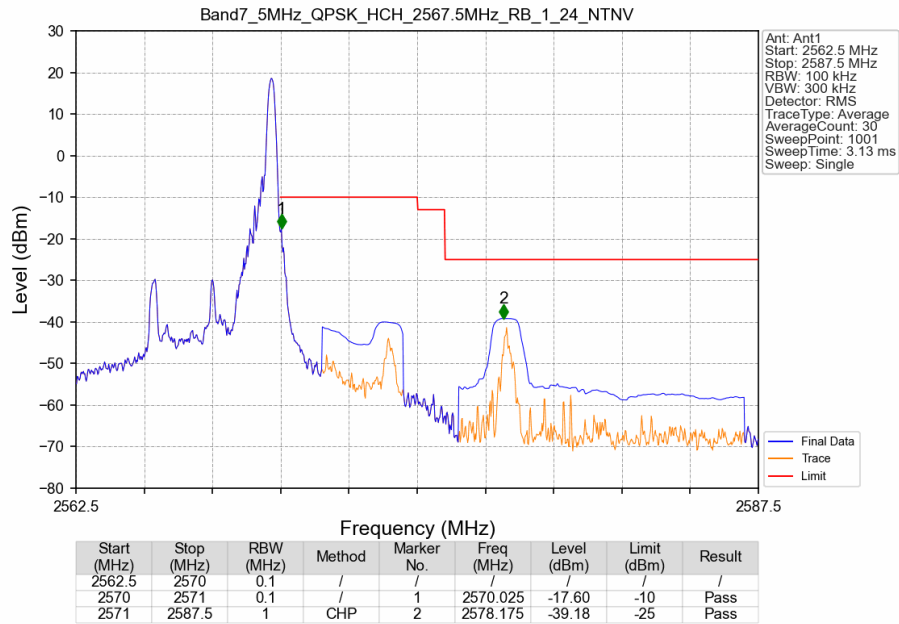
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



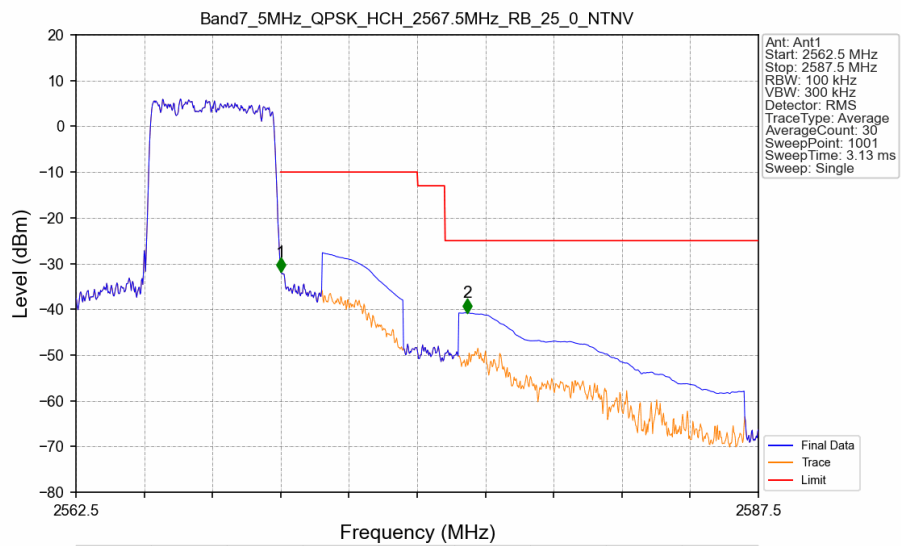
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



Band7 5MHz QPSK HCH 2567.5MHz RB 1 24 NTN



Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN



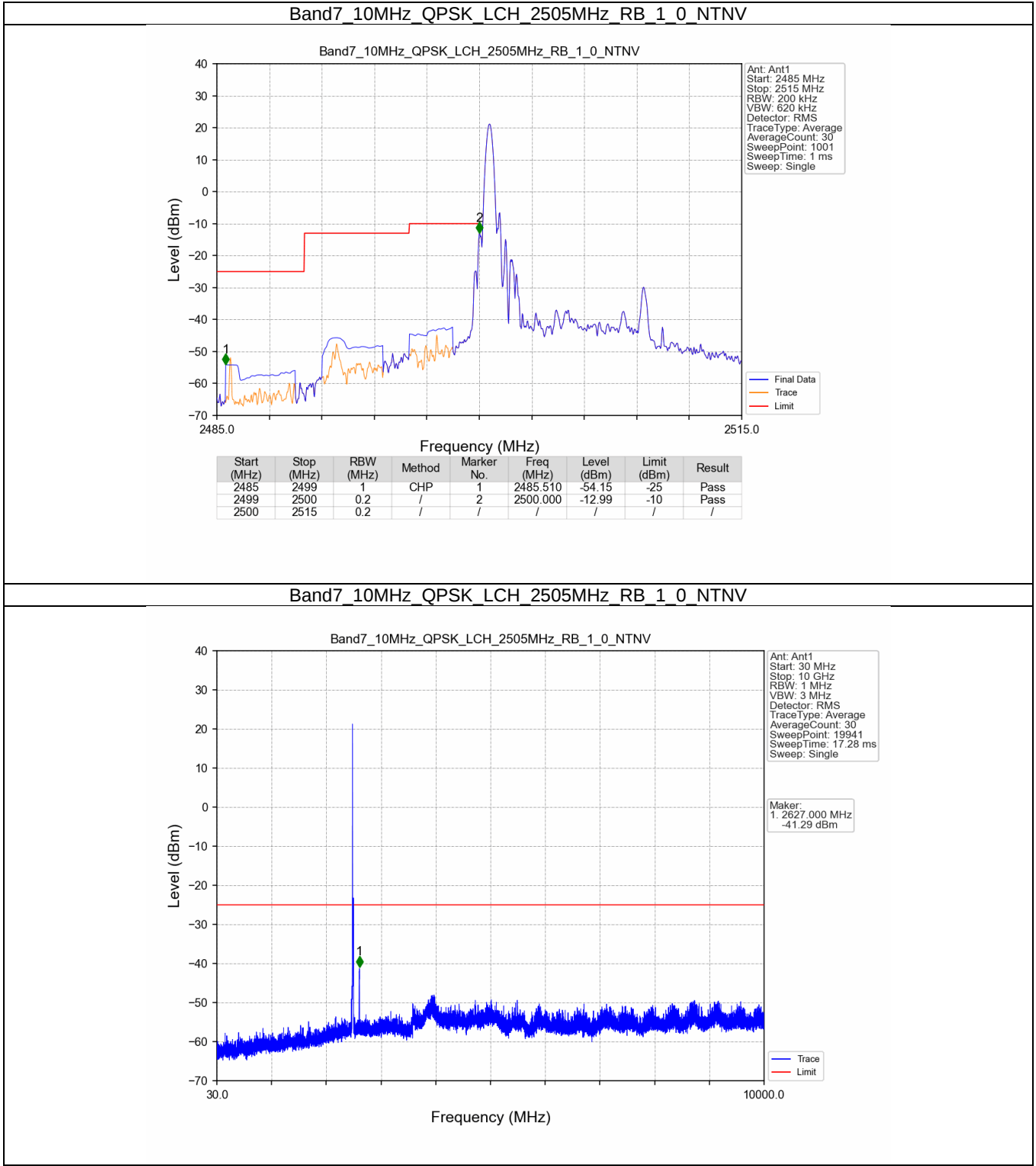
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2562.5      | 2570       | 0.1       | /      | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.1       | /      | 1          | 2570.000   | -31.89      | -10         | Pass   |
| 2571        | 2587.5     | 1         | CHP    | 2          | 2576.825   | -40.76      | -25         | Pass   |

## 5.2 B7\_10MHz

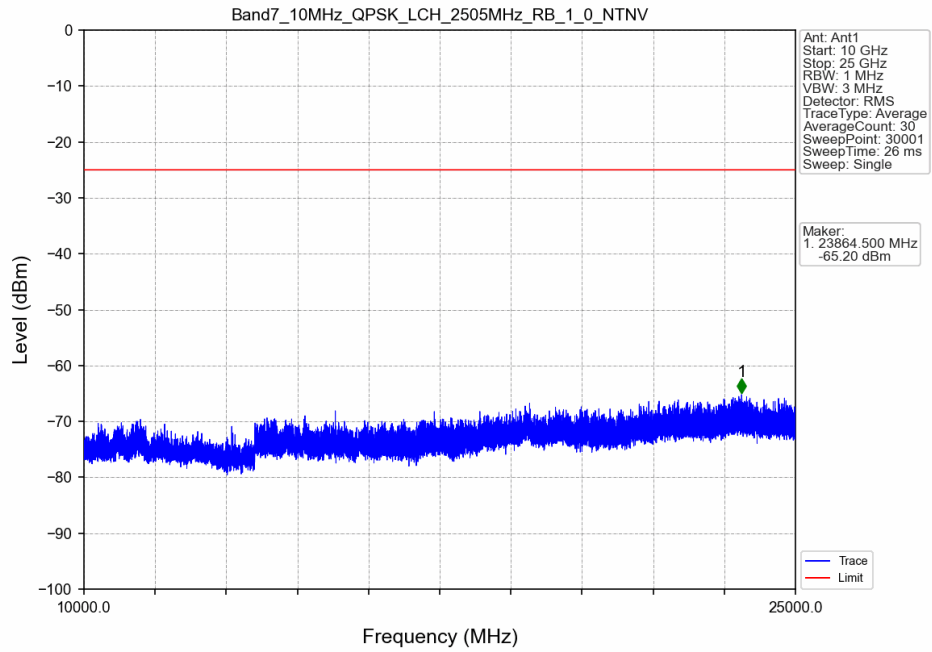
### 5.2.1 Test Result

| Band: 7 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 2505            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2565            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

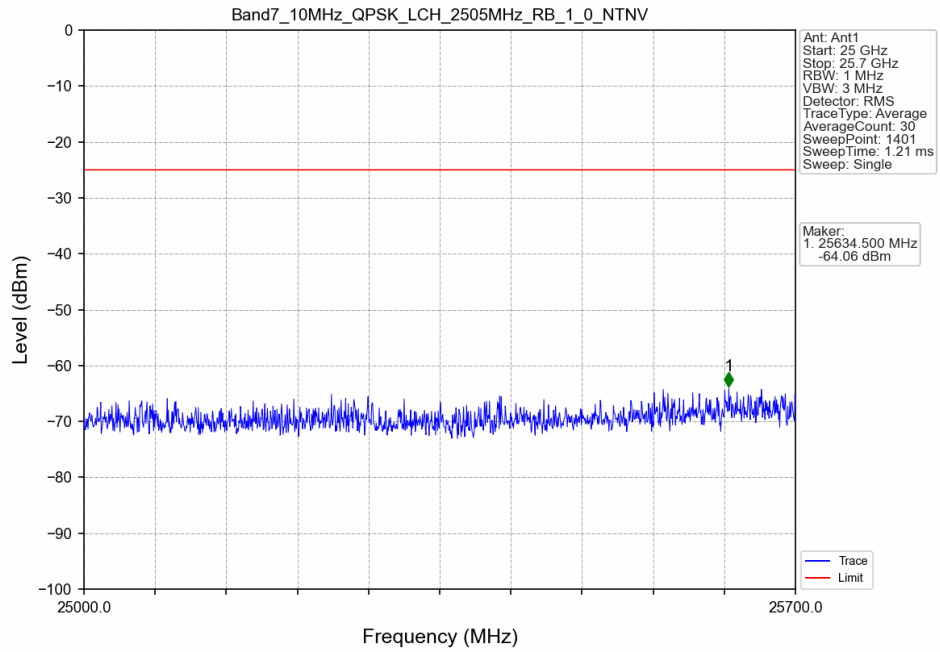
5.2.2 Test Graph



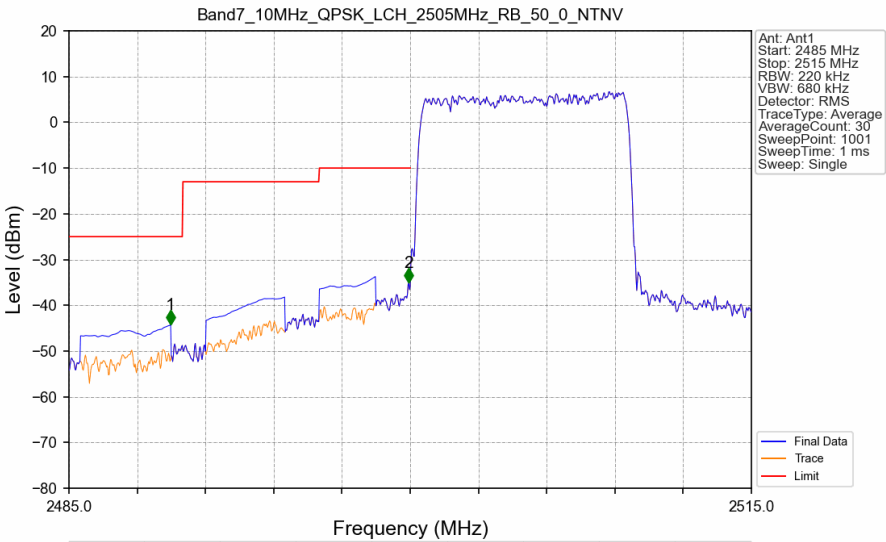
Band7 10MHz QPSK LCH 2505MHz RB 1 0 NTV



Band7 10MHz QPSK LCH 2505MHz RB 1 0 NTV

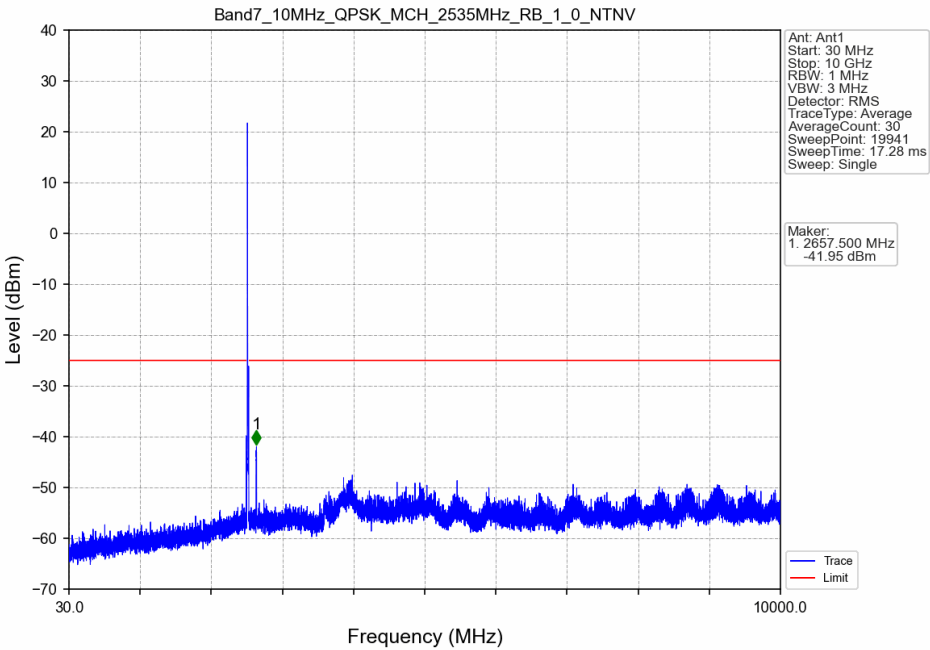


Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV

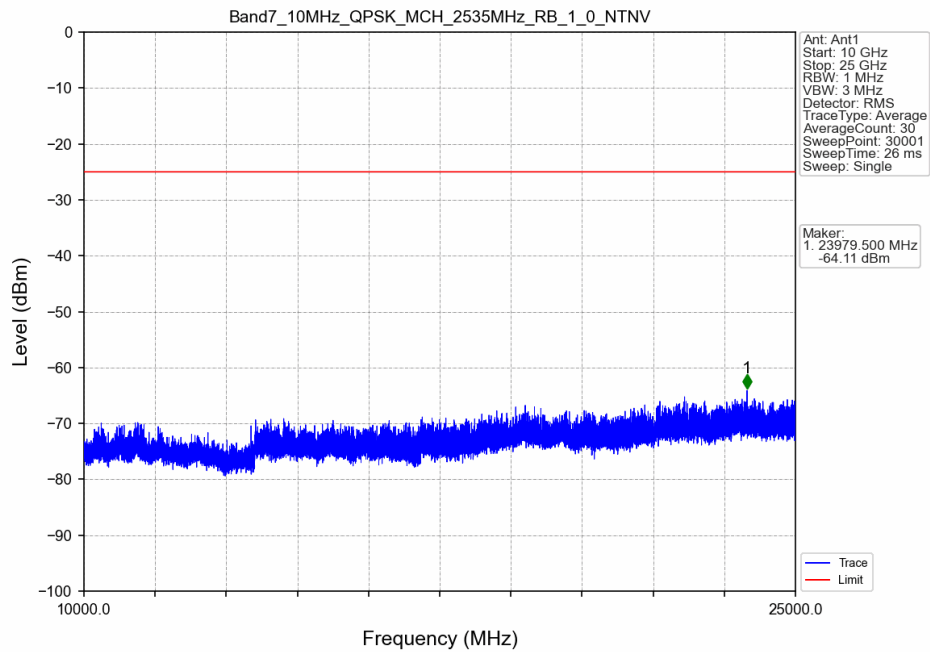


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2499       | 1         | CHP    | 1          | 2489.470   | -44.27      | -25         | Pass   |
| 2499        | 2500       | 0.22      | /      | 2          | 2499.940   | -35.05      | -10         | Pass   |
| 2500        | 2515       | 0.22      | /      | /          | /          | /           | /           | /      |

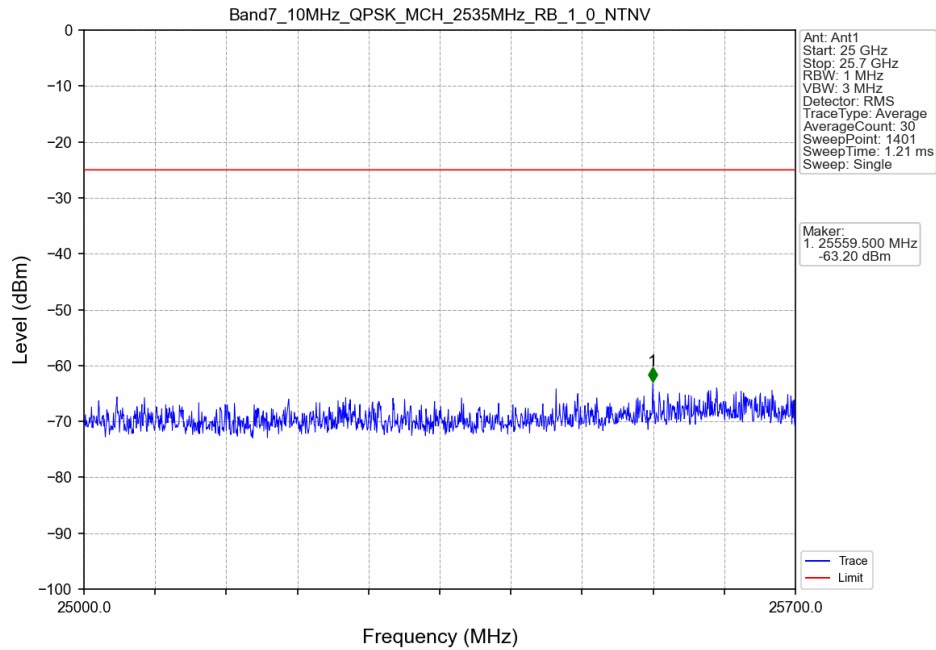
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



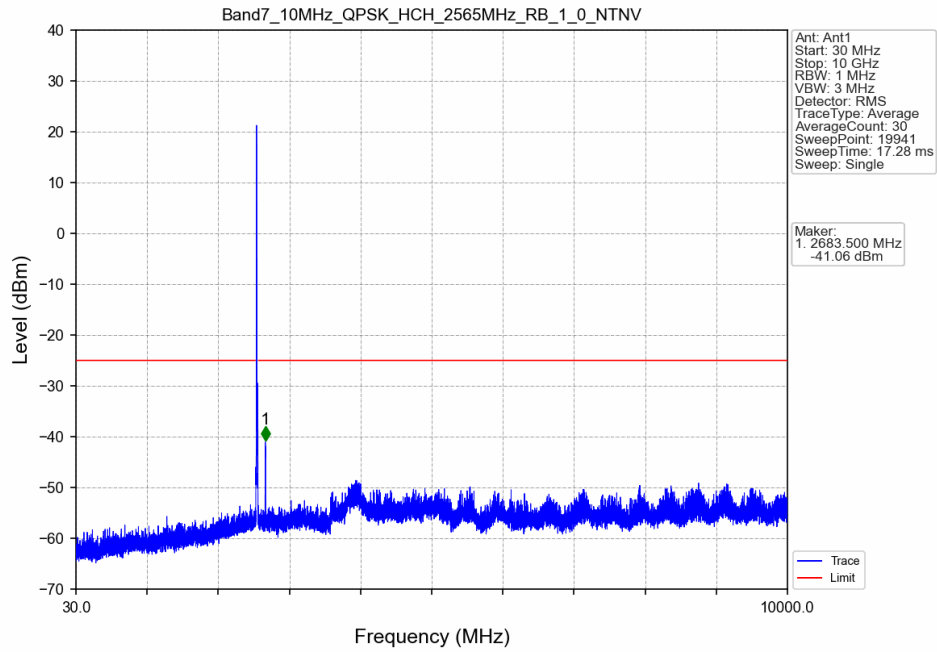
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



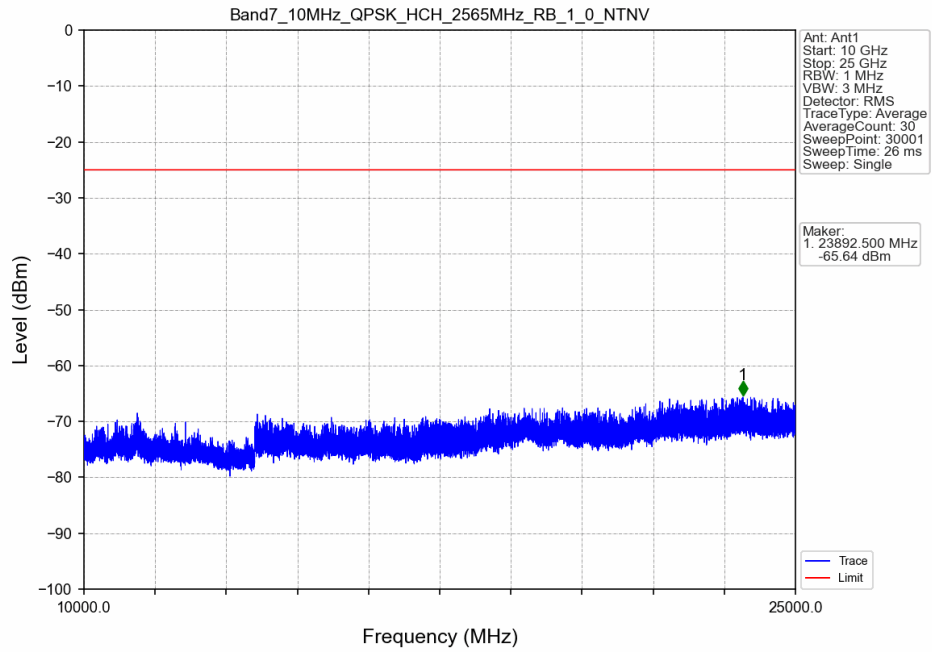
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



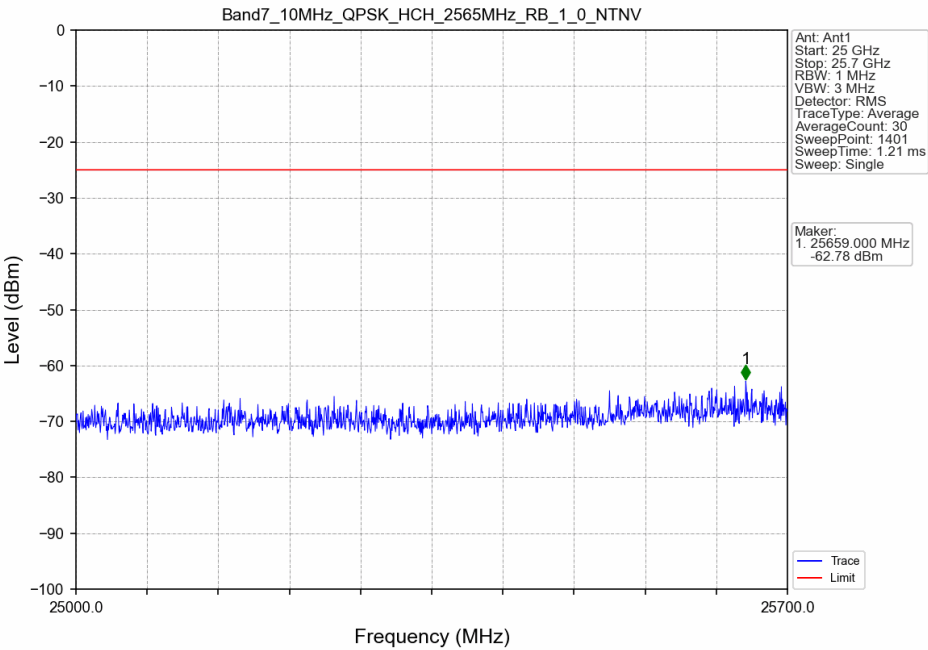
Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN



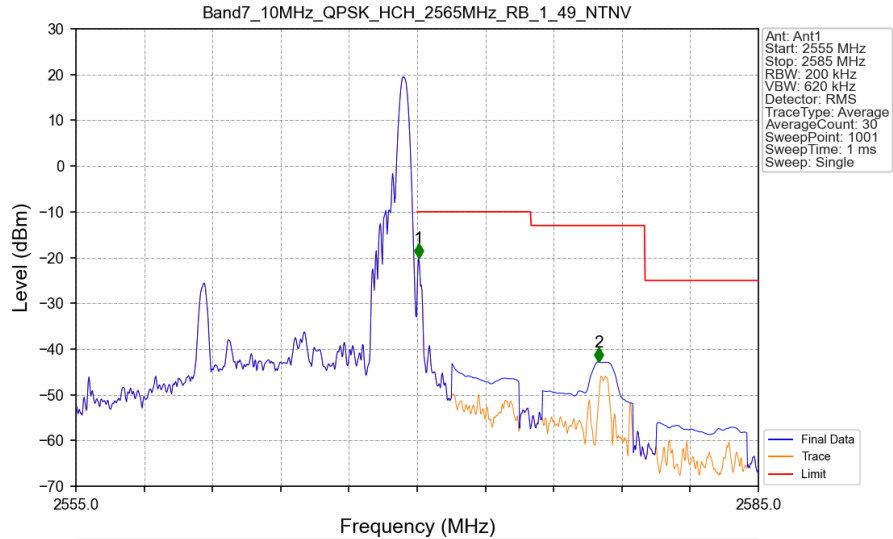
Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN



Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN

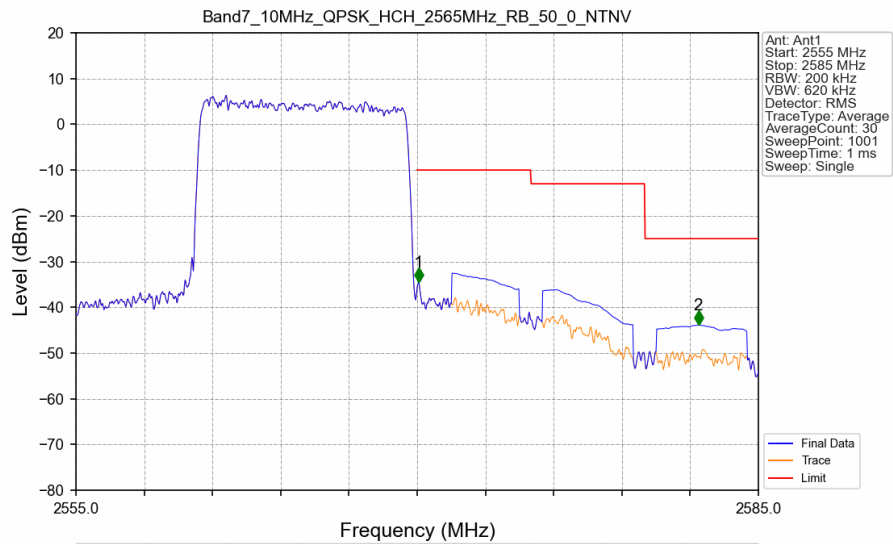


Band7 10MHz QPSK HCH 2565MHz RB 1 49 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.2       | /      | 1          | 2570.060   | -20.14      | -10         | Pass   |
| 2570        | 2571       | 0.2       | /      | 1          | 2570.060   | -20.14      | -10         | Pass   |
| 2571        | 2585       | 1         | CHP    | 2          | 2577.980   | -42.79      | -13         | Pass   |

Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



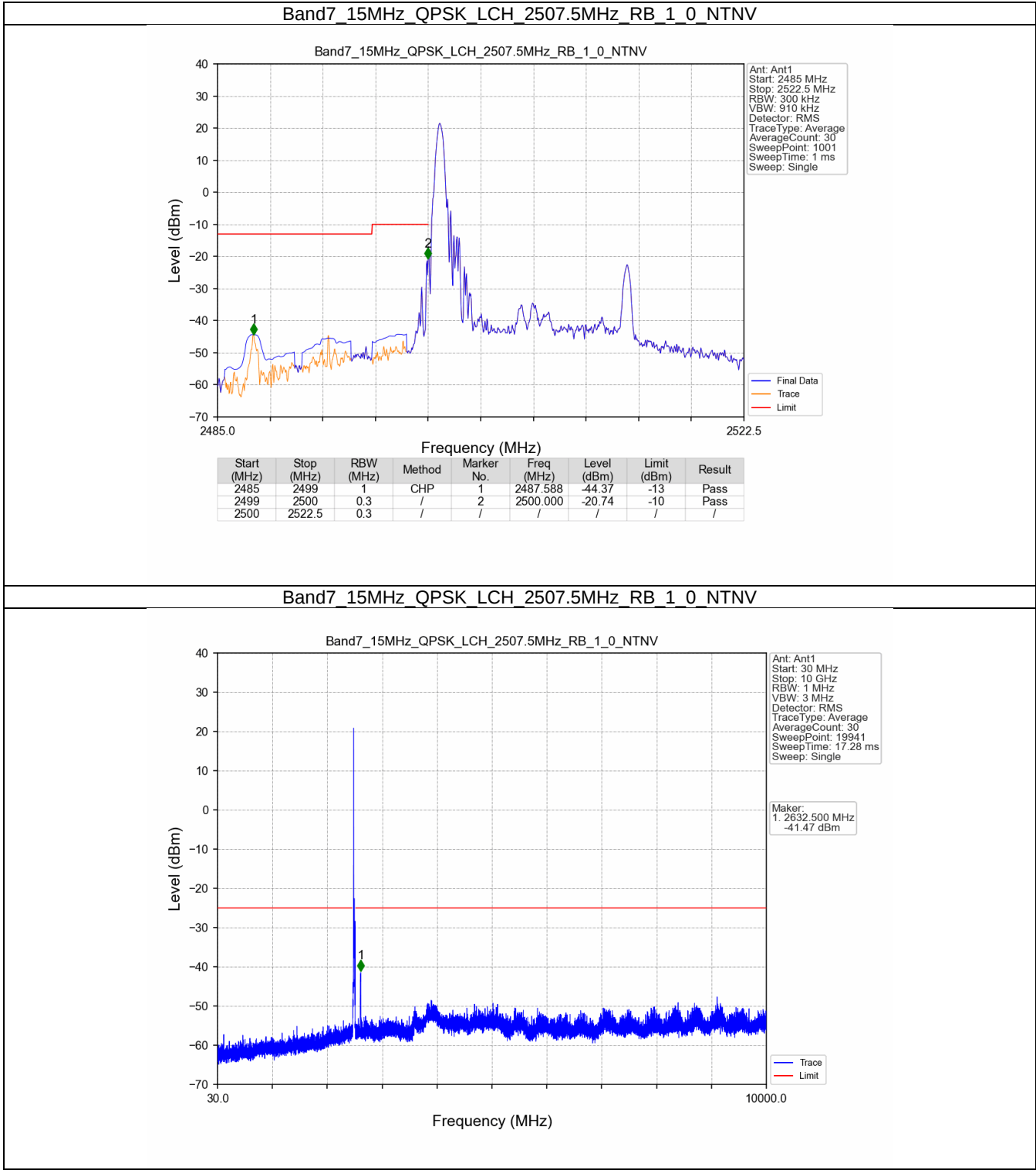
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.2       | /      | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.2       | /      | 1          | 2570.060   | -34.55      | -10         | Pass   |
| 2571        | 2585       | 1         | CHP    | 2          | 2582.360   | -43.88      | -25         | Pass   |

## 5.3 B7\_15MHz

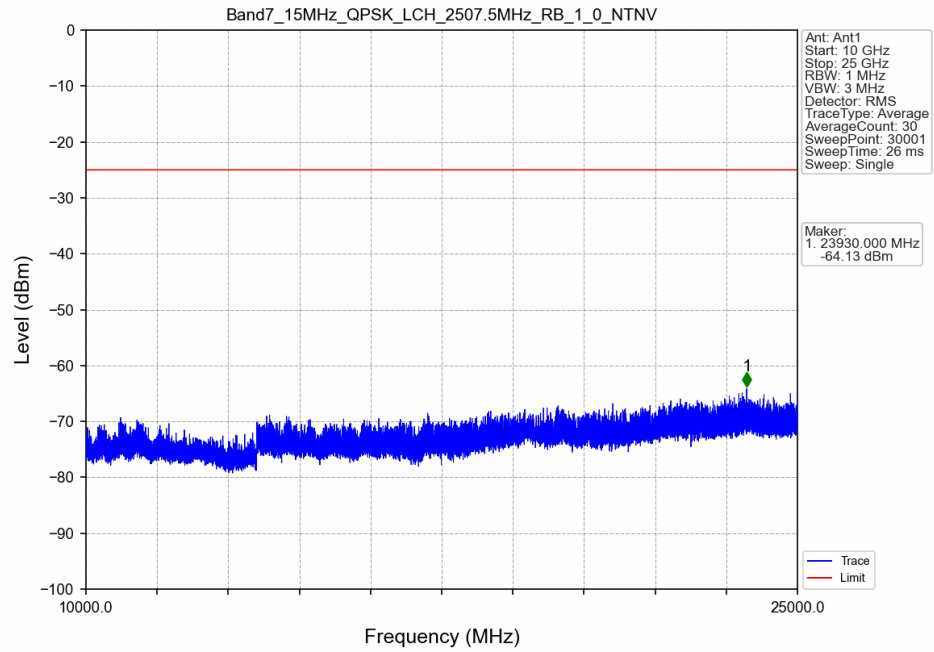
### 5.3.1 Test Result

| Band: 7 / Bandwidth: 15MHz / NTV |                    |               |        |                     |       |
|----------------------------------|--------------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency<br>(MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                    | Size          | Offset | Result              | Limit |
| QPSK                             | 2507.5             | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                    | 75            | 0      | Refer To Test Graph | Pass  |
|                                  | 2535               | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 2562.5             | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                    |               | 74     | Refer To Test Graph | Pass  |
|                                  |                    | 75            | 0      | Refer To Test Graph | Pass  |

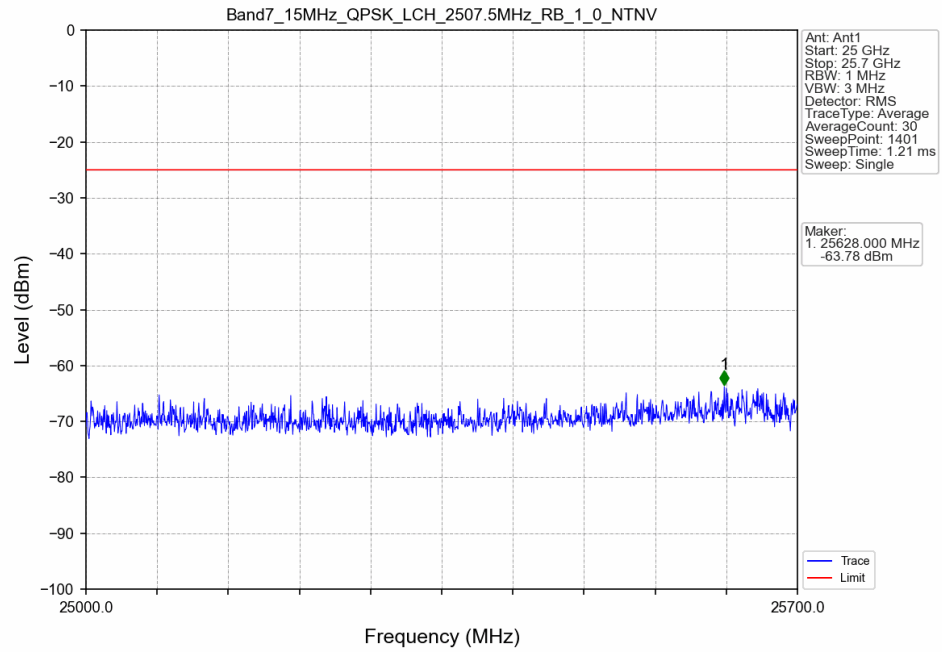
5.3.2 Test Graph



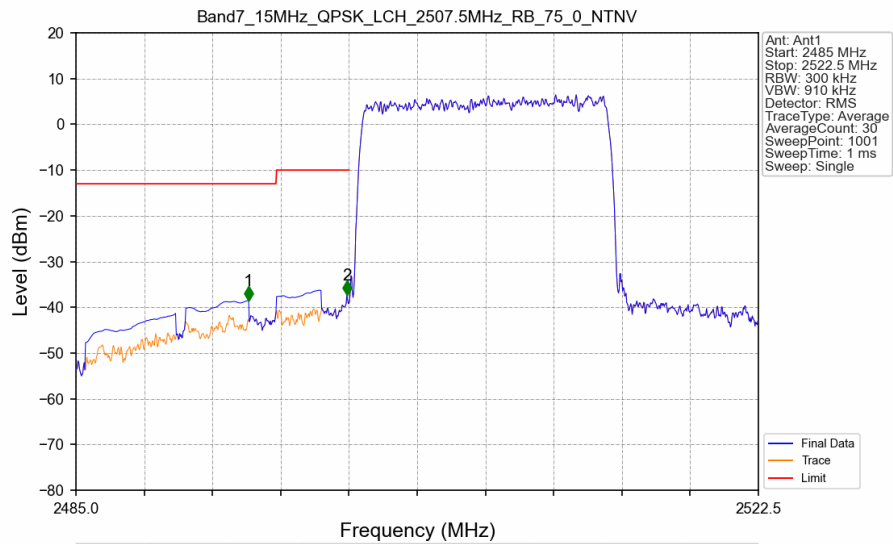
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTNV



Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTNV



Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTNV

