

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

### 1.1 Test Result

#### 1.1.1 B7\_5MHz\_EIRP

| 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      | 22.34                 | 1.32       | 23.66      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.53                 | 1.32       | 23.85      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.46                 | 1.32       | 23.78      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.42                 | 1.32       | 22.74      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.50                 | 1.32       | 22.82      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.43                 | 1.32       | 22.75      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.43                 | 1.32       | 22.75      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.64                 | 1.32       | 23.96      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.79                 | 1.32       | 24.11      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.73                 | 1.32       | 24.05      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.72                 | 1.32       | 23.04      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.74                 | 1.32       | 23.06      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.70                 | 1.32       | 23.02      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.75                 | 1.32       | 23.07      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 22.88                 | 1.32       | 24.20      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.08                 | 1.32       | 24.40      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.92                 | 1.32       | 24.24      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.88                 | 1.32       | 23.20      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.95                 | 1.32       | 23.27      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.87                 | 1.32       | 23.19      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.85                 | 1.32       | 23.17      | <=33.01 | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | 21.46                 | 1.32       | 22.78      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.65                 | 1.32       | 22.97      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.59                 | 1.32       | 22.91      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.41                 | 1.32       | 21.73      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.49                 | 1.32       | 21.81      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.40                 | 1.32       | 21.72      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.50                 | 1.32       | 21.82      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 21.88                 | 1.32       | 23.20      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.05                 | 1.32       | 23.37      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.97                 | 1.32       | 23.29      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.77                 | 1.32       | 22.09      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.86                 | 1.32       | 22.18      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.78                 | 1.32       | 22.10      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.77                 | 1.32       | 22.09      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 21.64                 | 1.32       | 22.96      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.77                 | 1.32       | 23.09      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.68                 | 1.32       | 23.00      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.90                 | 1.32       | 22.22      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.91                 | 1.32       | 22.23      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.92                 | 1.32       | 22.24      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.95                 | 1.32       | 22.27      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B7\_10MHz\_EIRP

| Band: 7 / Bandwidth: 10MHz / NTNV        |                    |               |        |                          |               |            |         |         |         |      |
|------------------------------------------|--------------------|---------------|--------|--------------------------|---------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency<br>(MHz) | RB Allocation |        | Conducted Power<br>(dBm) | Gain<br>(dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                    | Size          | Offset |                          |               | Result     | Limit   |         |         |      |
| QPSK                                     | 2505               | 1             | 0      | 22.40                    | 1.32          | 23.72      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 25     | 22.54                    | 1.32          | 23.86      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 49     | 22.61                    | 1.32          | 23.93      | <=33.01 | Pass    |         |      |
|                                          |                    | 25            | 0      | 21.52                    | 1.32          | 22.84      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 13     | 21.57                    | 1.32          | 22.89      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 25     | 21.57                    | 1.32          | 22.89      | <=33.01 | Pass    |         |      |
|                                          |                    | 50            | 0      | 21.56                    | 1.32          | 22.88      | <=33.01 | Pass    |         |      |
|                                          |                    | 2535          | 1      | 0                        | 22.74         | 1.32       | 24.06   | <=33.01 | Pass    |      |
|                                          |                    |               |        | 25                       | 22.79         | 1.32       | 24.11   | <=33.01 | Pass    |      |
|                                          | 49                 |               |        | 22.82                    | 1.32          | 24.14      | <=33.01 | Pass    |         |      |
|                                          | 25                 |               | 0      | 21.78                    | 1.32          | 23.10      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 13     | 21.74                    | 1.32          | 23.06      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 25     | 21.73                    | 1.32          | 23.05      | <=33.01 | Pass    |         |      |
|                                          | 50                 |               | 0      | 21.79                    | 1.32          | 23.11      | <=33.01 | Pass    |         |      |
|                                          | 2565               |               | 1      | 0                        | 22.97         | 1.32       | 24.29   | <=33.01 | Pass    |      |
|                                          |                    |               |        | 25                       | 23.10         | 1.32       | 24.42   | <=33.01 | Pass    |      |
|                                          |                    | 49            |        | 23.14                    | 1.32          | 24.46      | <=33.01 | Pass    |         |      |
|                                          |                    | 25            | 0      | 21.87                    | 1.32          | 23.19      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 13     | 21.96                    | 1.32          | 23.28      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 25     | 21.93                    | 1.32          | 23.25      | <=33.01 | Pass    |         |      |
|                                          |                    | 50            | 0      | 21.90                    | 1.32          | 23.22      | <=33.01 | Pass    |         |      |
|                                          |                    | 16QAM         | 2505   | 1                        | 0             | 21.61      | 1.32    | 22.93   | <=33.01 | Pass |
|                                          |                    |               |        |                          | 25            | 21.73      | 1.32    | 23.05   | <=33.01 | Pass |
|                                          | 49                 |               |        |                          | 21.75         | 1.32       | 23.07   | <=33.01 | Pass    |      |
|                                          | 25                 |               |        | 0                        | 20.56         | 1.32       | 21.88   | <=33.01 | Pass    |      |
|                                          |                    |               |        | 13                       | 20.60         | 1.32       | 21.92   | <=33.01 | Pass    |      |
|                                          |                    |               |        | 25                       | 20.62         | 1.32       | 21.94   | <=33.01 | Pass    |      |
| 50                                       | 0                  |               |        | 20.53                    | 1.32          | 21.85      | <=33.01 | Pass    |         |      |
| 2535                                     | 1                  |               |        | 0                        | 22.17         | 1.32       | 23.49   | <=33.01 | Pass    |      |
|                                          |                    |               |        | 25                       | 22.29         | 1.32       | 23.61   | <=33.01 | Pass    |      |
|                                          |                    |               | 49     | 22.32                    | 1.32          | 23.64      | <=33.01 | Pass    |         |      |
|                                          | 25                 |               | 0      | 20.92                    | 1.32          | 22.24      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 13     | 20.91                    | 1.32          | 22.23      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 25     | 20.83                    | 1.32          | 22.15      | <=33.01 | Pass    |         |      |
|                                          | 50                 |               | 0      | 20.84                    | 1.32          | 22.16      | <=33.01 | Pass    |         |      |
|                                          | 2565               |               | 1      | 0                        | 21.90         | 1.32       | 23.22   | <=33.01 | Pass    |      |
|                                          |                    |               |        | 25                       | 21.95         | 1.32       | 23.27   | <=33.01 | Pass    |      |
| 49                                       |                    |               |        | 21.93                    | 1.32          | 23.25      | <=33.01 | Pass    |         |      |
| 25                                       |                    |               | 0      | 20.98                    | 1.32          | 22.30      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 13     | 21.08                    | 1.32          | 22.40      | <=33.01 | Pass    |         |      |
|                                          |                    |               | 25     | 21.01                    | 1.32          | 22.33      | <=33.01 | Pass    |         |      |
| 50                                       |                    |               | 0      | 20.93                    | 1.32          | 22.25      | <=33.01 | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                    |               |        |                          |               |            |         |         |         |      |

### 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2507.5          | 1             | 0      | 22.29                 | 1.32       | 23.61      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 22.56                 | 1.32       | 23.88      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 2535   | 36 | 74 | 22.57 | 1.32 | 23.89 | <=33.01 | Pass |
|       |        |    | 0  | 21.48 | 1.32 | 22.80 | <=33.01 | Pass |
|       |        |    | 18 | 21.55 | 1.32 | 22.87 | <=33.01 | Pass |
|       |        |    | 39 | 21.59 | 1.32 | 22.91 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.57 | 1.32 | 22.89 | <=33.01 | Pass |
|       |        |    | 0  | 22.67 | 1.32 | 23.99 | <=33.01 | Pass |
|       |        |    | 38 | 22.82 | 1.32 | 24.14 | <=33.01 | Pass |
|       |        |    | 74 | 22.82 | 1.32 | 24.14 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.80 | 1.32 | 23.12 | <=33.01 | Pass |
|       |        |    | 18 | 21.83 | 1.32 | 23.15 | <=33.01 | Pass |
|       |        |    | 39 | 21.72 | 1.32 | 23.04 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.82 | 1.32 | 23.14 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 22.83 | 1.32 | 24.15 | <=33.01 | Pass |
|       |        |    | 38 | 23.09 | 1.32 | 24.41 | <=33.01 | Pass |
|       |        |    | 74 | 22.99 | 1.32 | 24.31 | <=33.01 | Pass |
|       |        |    | 0  | 21.93 | 1.32 | 23.25 | <=33.01 | Pass |
|       |        | 36 | 18 | 22.09 | 1.32 | 23.41 | <=33.01 | Pass |
|       |        |    | 39 | 22.07 | 1.32 | 23.39 | <=33.01 | Pass |
|       |        |    | 0  | 22.02 | 1.32 | 23.34 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.86 | 1.32 | 23.18 | <=33.01 | Pass |
|       | 2507.5 | 1  | 38 | 22.11 | 1.32 | 23.43 | <=33.01 | Pass |
|       |        |    | 74 | 22.05 | 1.32 | 23.37 | <=33.01 | Pass |
|       |        |    | 0  | 20.51 | 1.32 | 21.83 | <=33.01 | Pass |
|       |        |    | 18 | 20.57 | 1.32 | 21.89 | <=33.01 | Pass |
|       |        | 36 | 39 | 20.61 | 1.32 | 21.93 | <=33.01 | Pass |
|       |        |    | 0  | 20.57 | 1.32 | 21.89 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.90 | 1.32 | 23.22 | <=33.01 | Pass |
|       |        |    | 38 | 22.13 | 1.32 | 23.45 | <=33.01 | Pass |
|       |        |    | 74 | 22.17 | 1.32 | 23.49 | <=33.01 | Pass |
|       | 2535   | 36 | 0  | 20.79 | 1.32 | 22.11 | <=33.01 | Pass |
|       |        |    | 18 | 20.86 | 1.32 | 22.18 | <=33.01 | Pass |
|       |        |    | 39 | 20.79 | 1.32 | 22.11 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.80 | 1.32 | 22.12 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 21.96 | 1.32 | 23.28 | <=33.01 | Pass |
|       |        |    | 38 | 22.10 | 1.32 | 23.42 | <=33.01 | Pass |
|       |        |    | 74 | 22.00 | 1.32 | 23.32 | <=33.01 | Pass |
|       |        |    | 0  | 20.92 | 1.32 | 22.24 | <=33.01 | Pass |
|       |        | 36 | 18 | 21.05 | 1.32 | 22.37 | <=33.01 | Pass |
|       |        |    | 39 | 21.03 | 1.32 | 22.35 | <=33.01 | Pass |
|       |        |    | 0  | 20.99 | 1.32 | 22.31 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.99 | 1.32 | 22.31 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2510            | 1             | 0      | 22.22                 | 1.32       | 23.54      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.61                 | 1.32       | 23.93      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 22.62                 | 1.32       | 23.94      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.47                 | 1.32       | 22.79      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.60                 | 1.32       | 22.92      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.70                 | 1.32       | 23.02      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 21.59                 | 1.32       | 22.91      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 22.59                 | 1.32       | 23.91      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 50     | 22.82                 | 1.32       | 24.14      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.82                 | 1.32       | 24.14      | <=33.01 | Pass    |

|                                          |       |      |      |       |       |       |         |         |         |
|------------------------------------------|-------|------|------|-------|-------|-------|---------|---------|---------|
|                                          |       |      | 99   | 22.78 | 1.32  | 24.10 | <=33.01 | Pass    |         |
|                                          |       |      | 50   | 0     | 21.76 | 1.32  | 23.08   | <=33.01 | Pass    |
|                                          |       |      |      | 25    | 21.80 | 1.32  | 23.12   | <=33.01 | Pass    |
|                                          |       |      |      | 50    | 21.66 | 1.32  | 22.98   | <=33.01 | Pass    |
|                                          |       | 100  | 0    | 21.74 | 1.32  | 23.06 | <=33.01 | Pass    |         |
|                                          |       | 2560 | 1    | 0     | 22.70 | 1.32  | 24.02   | <=33.01 | Pass    |
|                                          |       |      |      | 50    | 23.01 | 1.32  | 24.33   | <=33.01 | Pass    |
|                                          |       |      |      | 99    | 22.96 | 1.32  | 24.28   | <=33.01 | Pass    |
|                                          | 50    |      | 0    | 21.78 | 1.32  | 23.10 | <=33.01 | Pass    |         |
|                                          |       |      | 25   | 22.02 | 1.32  | 23.34 | <=33.01 | Pass    |         |
|                                          |       |      | 50   | 21.96 | 1.32  | 23.28 | <=33.01 | Pass    |         |
|                                          | 100   |      | 0    | 21.89 | 1.32  | 23.21 | <=33.01 | Pass    |         |
|                                          | 16QAM |      | 2510 | 1     | 0     | 21.46 | 1.32    | 22.78   | <=33.01 |
|                                          |       | 50   |      |       | 21.78 | 1.32  | 23.10   | <=33.01 | Pass    |
|                                          |       | 99   |      |       | 21.75 | 1.32  | 23.07   | <=33.01 | Pass    |
|                                          |       | 50   |      | 0     | 20.44 | 1.32  | 21.76   | <=33.01 | Pass    |
| 25                                       |       |      |      | 20.65 | 1.32  | 21.97 | <=33.01 | Pass    |         |
| 50                                       |       |      |      | 20.75 | 1.32  | 22.07 | <=33.01 | Pass    |         |
| 100                                      |       | 0    |      | 20.63 | 1.32  | 21.95 | <=33.01 | Pass    |         |
| 2535                                     |       | 1    |      | 0     | 21.76 | 1.32  | 23.08   | <=33.01 | Pass    |
|                                          |       |      | 50   | 22.08 | 1.32  | 23.40 | <=33.01 | Pass    |         |
|                                          |       |      | 99   | 22.05 | 1.32  | 23.37 | <=33.01 | Pass    |         |
|                                          |       | 50   | 0    | 20.80 | 1.32  | 22.12 | <=33.01 | Pass    |         |
|                                          |       |      | 25   | 20.84 | 1.32  | 22.16 | <=33.01 | Pass    |         |
|                                          |       |      | 50   | 20.69 | 1.32  | 22.01 | <=33.01 | Pass    |         |
|                                          |       | 100  | 0    | 20.79 | 1.32  | 22.11 | <=33.01 | Pass    |         |
|                                          |       | 2560 | 1    | 0     | 22.16 | 1.32  | 23.48   | <=33.01 | Pass    |
| 50                                       |       |      |      | 22.42 | 1.32  | 23.74 | <=33.01 | Pass    |         |
| 99                                       |       |      |      | 22.22 | 1.32  | 23.54 | <=33.01 | Pass    |         |
| 50                                       |       |      | 0    | 20.80 | 1.32  | 22.12 | <=33.01 | Pass    |         |
|                                          |       |      | 25   | 21.00 | 1.32  | 22.32 | <=33.01 | Pass    |         |
|                                          |       |      | 50   | 20.97 | 1.32  | 22.29 | <=33.01 | Pass    |         |
| 100                                      |       |      | 0    | 20.89 | 1.32  | 22.21 | <=33.01 | Pass    |         |
| Note1: EIRP=Conducted Power+Antenna Gain |       |      |      |       |       |       |         |         |         |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B7\_5MHz

| 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         | 3.27          | -7.010           | -0.0028               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -2.131           | -0.0009               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -6.194           | -0.0025               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -6.995           | -0.0028               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -8.497           | -0.0034               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -6.638           | -0.0027               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -1.187           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -1.888           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -7.510           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -6.466           | -0.0026               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -5.651           | -0.0023               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       | 2535   | 25 | 0 | 20  | 3.27 | -7.753  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -2.561  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.861   | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -4.077  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -0.257  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.575   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -2.947  | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -9.599  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 1.917   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -0.916  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.652  | -0.0026 | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | 0.172   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.702   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -9.055  | -0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -6.995  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -5.064  | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 1.988   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -3.762  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 0.801   | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -2.089  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -5.894  | -0.0023 | -2.5 to 2.5 | Pass |
| 16QAM | 2502.5 | 25 | 0 | 20  | 3.27 | -3.791  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -9.685  | -0.0039 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -7.339  | -0.0029 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -9.613  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -4.005  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 3.033   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 8.912   | 0.0036  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 5.393   | 0.0022  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 1.631   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -2.031  | -0.0008 | -2.5 to 2.5 | Pass |
|       | 2535   | 25 | 0 | 20  | 3.27 | -11.272 | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 9.742   | 0.0038  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -4.878  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -7.110  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -3.347  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -13.275 | -0.0052 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 10.142  | 0.0040  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -6.938  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -8.640  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 9.456   | 0.0037  | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | -3.076  | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -1.316  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -6.065  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -10.157 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 6.423   | 0.0025  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 3.262   | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -2.947  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -7.310  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -17.252 | -0.0067 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -25.020 | -0.0097 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -5.937  | -0.0023 | -2.5 to 2.5 | Pass |

## 2.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2505            | 50            | 0      | 20         | 3.27          | -4.649           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.473            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -6.251           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.363           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -7.410           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -11.859          | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -9.484           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.722           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -9.484           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 1.502            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 2.275            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 50            | 0      | 20         | 3.27          | -1.745           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 6.208            | 0.0024                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 6.380            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 1.831            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -12.674          | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.482           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.665           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.397           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.848           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.605           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -12.589          | -0.0050               | -2.5 to 2.5 | Pass    |
|                            | 2565            | 50            | 0      | 20         | 3.27          | -0.086           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 2.847            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 7.925            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -9.241           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.087           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -2.575           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -3.791           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -7.753           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -6.695           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 3.376            | 0.0013                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2505            | 50            | 0      | 20         | 3.27          | -5.922           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.176           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -8.240           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.834            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -11.401          | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.610           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -10.285          | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.609           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -14.806          | -0.0059               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.824           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -7.524           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 50            | 0      | 20         | 3.27          | -2.260           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.834           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.086            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.845           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -4.277           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.277           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -0.815           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.736           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.576           | -0.0014               | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |         |         |             |      |
|--|------|----|---|-----|------|---------|---------|-------------|------|
|  | 2565 | 50 | 0 | 40  | 3.85 | -6.366  | -0.0025 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -7.153  | -0.0028 | -2.5 to 2.5 | Pass |
|  |      |    |   | 20  | 3.27 | -5.808  | -0.0023 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | 0.572   | 0.0002  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | 5.078   | 0.0020  | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -5.794  | -0.0023 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -4.048  | -0.0016 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -11.330 | -0.0044 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | 2.704   | 0.0011  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -2.232  | -0.0009 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | 2.160   | 0.0008  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | 7.153   | 0.0028  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -2.775  | -0.0011 | -2.5 to 2.5 | Pass |

### 2.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2507.5          | 75            | 0      | 20         | 3.27          | -3.390           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.416            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 2.017            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.034           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 0.658            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 6.824            | 0.0027                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.074            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -0.443           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 4.091            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -5.980           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 5.078            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 3.27          | -5.422           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 3.920            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -2.747           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -9.212           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.221           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -9.842           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -0.086           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.695           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -6.366           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.409           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -9.084           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            | 2562.5          | 75            | 0      | 20         | 3.27          | -1.144           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.476           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.533           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.849           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.416           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.262           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -10.457          | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -11.086          | -0.0043               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -1.674           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -0.944           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -7.238           | -0.0028               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2507.5          | 75            | 0      | 20         | 3.27          | 2.360            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.821           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -0.157           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.029           | 0.0000                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   | -20 | 3.85 | -4.892  | -0.0020 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 3.147   | 0.0013  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -0.186  | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 3.676   | 0.0015  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 5.808   | 0.0023  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 5.207   | 0.0021  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 2.375   | 0.0009  | -2.5 to 2.5 | Pass |
|  | 2535   | 75 | 0 | 20  | 3.27 | -5.364  | -0.0021 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -9.856  | -0.0039 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -5.736  | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -3.619  | -0.0014 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -5.064  | -0.0020 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 1.144   | 0.0005  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -9.141  | -0.0036 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 1.245   | 0.0005  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -7.825  | -0.0031 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -11.187 | -0.0044 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -14.920 | -0.0059 | -2.5 to 2.5 | Pass |
|  | 2562.5 | 75 | 0 | 20  | 3.27 | -0.401  | -0.0002 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -2.503  | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -7.811  | -0.0030 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -0.229  | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 5.679   | 0.0022  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -3.090  | -0.0012 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 12.703  | 0.0050  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -4.392  | -0.0017 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -0.758  | -0.0003 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -1.202  | -0.0005 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 5.207   | 0.0020  | -2.5 to 2.5 | Pass |

#### 2.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2510            | 100           | 0      | 20         | 3.27          | -2.146           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -7.081           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.319           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 0.973            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 6.294            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.719           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 11.215           | 0.0045                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 4.020            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 0.014            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 7.710            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 0.143            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 100           | 0      | 20         | 3.27          | -3.090           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.431            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.120           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -13.576          | -0.0054               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -7.553           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -2.661           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 9.127            | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -9.341           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -7.467           | -0.0029               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.561           | -0.0010               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
|       | 2560 | 100 | 0 | 50  | 3.85 | 0.458   | 0.0002  | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 0.944   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -0.186  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -1.001  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -0.043  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 6.309   | 0.0025  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -1.459  | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -11.129 | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -3.147  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -1.717  | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -1.445  | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -8.340  | -0.0033 | -2.5 to 2.5 | Pass |
| 16QAM | 2510 | 100 | 0 | 20  | 3.27 | -0.257  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 2.589   | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 5.336   | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -6.208  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -5.007  | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -1.788  | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 3.419   | 0.0014  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -1.101  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 1.717   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 4.048   | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 1.731   | 0.0007  | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 20  | 3.27 | -3.591  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -4.020  | -0.0016 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 0.486   | 0.0002  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -6.065  | -0.0024 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -0.286  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -11.973 | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -9.141  | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -3.576  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -4.292  | -0.0017 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -2.532  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -6.480  | -0.0026 | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 20  | 3.27 | -1.717  | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -2.446  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -0.787  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -3.920  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -4.849  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -4.878  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -7.582  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 3.347   | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 1.602   | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -3.076  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -9.298  | -0.0036 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |

|       |      |    |   |                     |      |
|-------|------|----|---|---------------------|------|
| QPSK  | 2535 | 25 | 0 | Refer To Test Graph | Pass |
| 16QAM | 2535 | 25 | 0 | Refer To Test Graph | Pass |

### 3.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 2535            | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 2535            | 50            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.3 B7\_15MHz

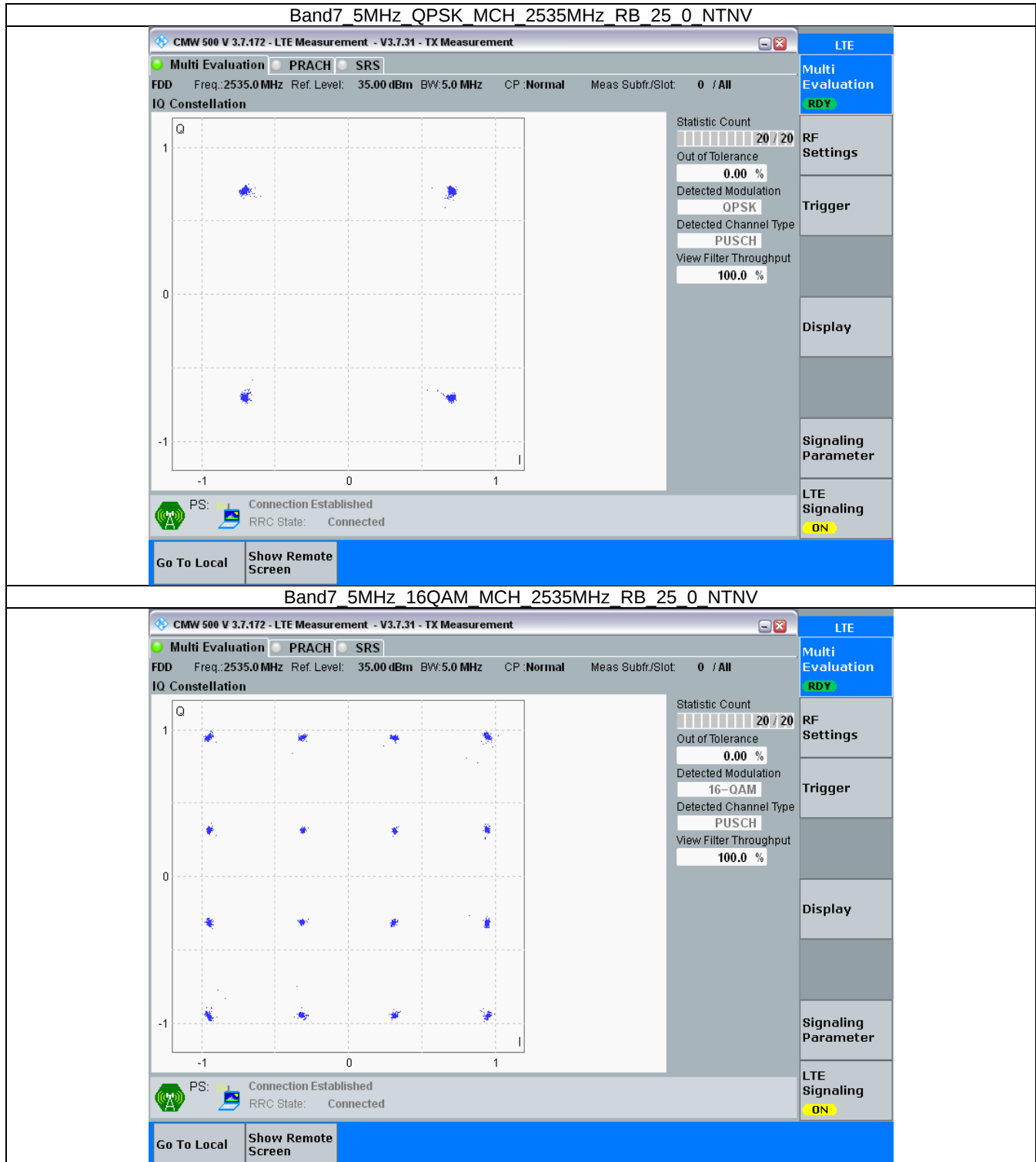
| Band: 7 / Bandwidth: 15MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 2535            | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 2535            | 75            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.4 B7\_20MHz

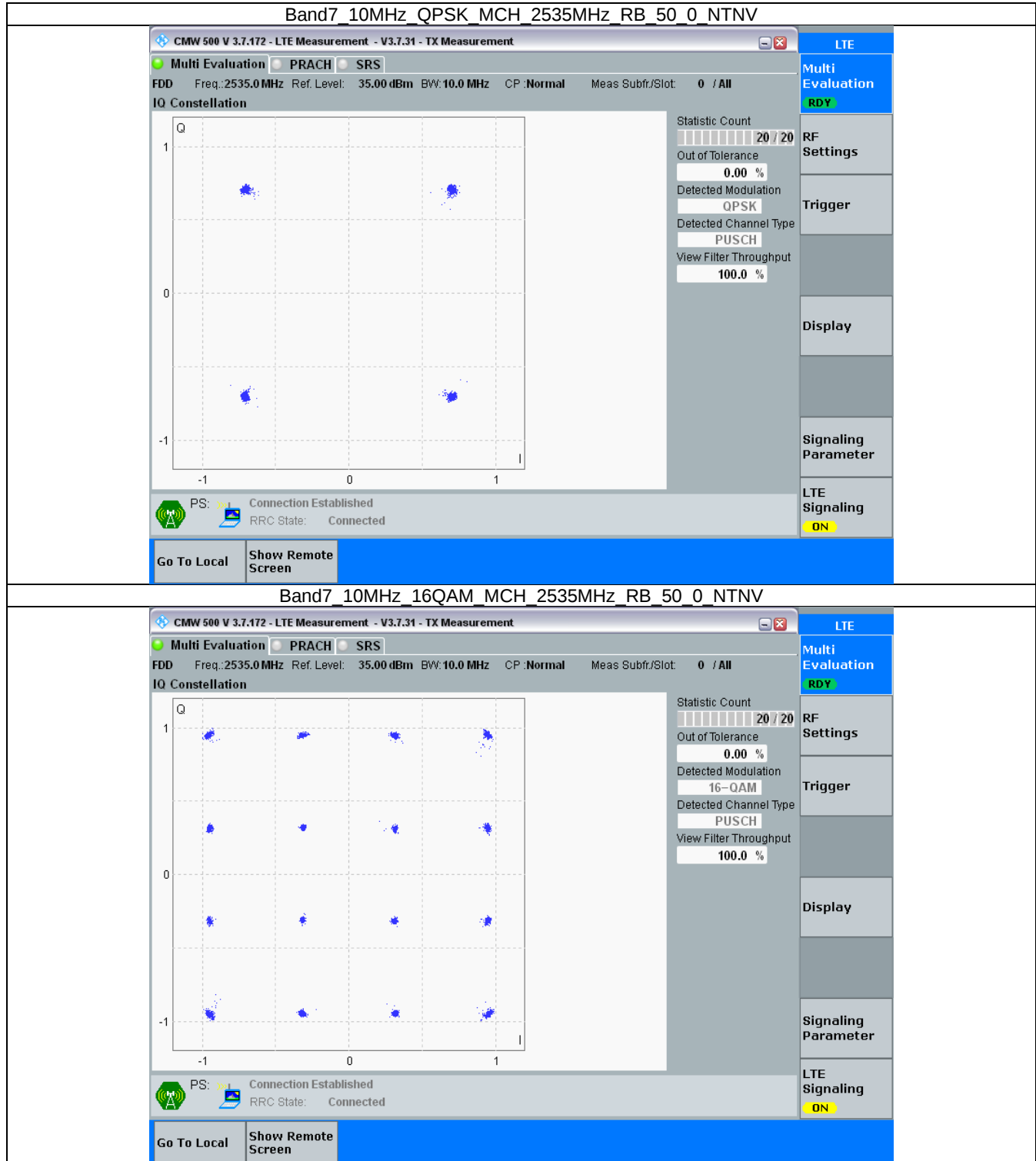
| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 2535            | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 2535            | 100           | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

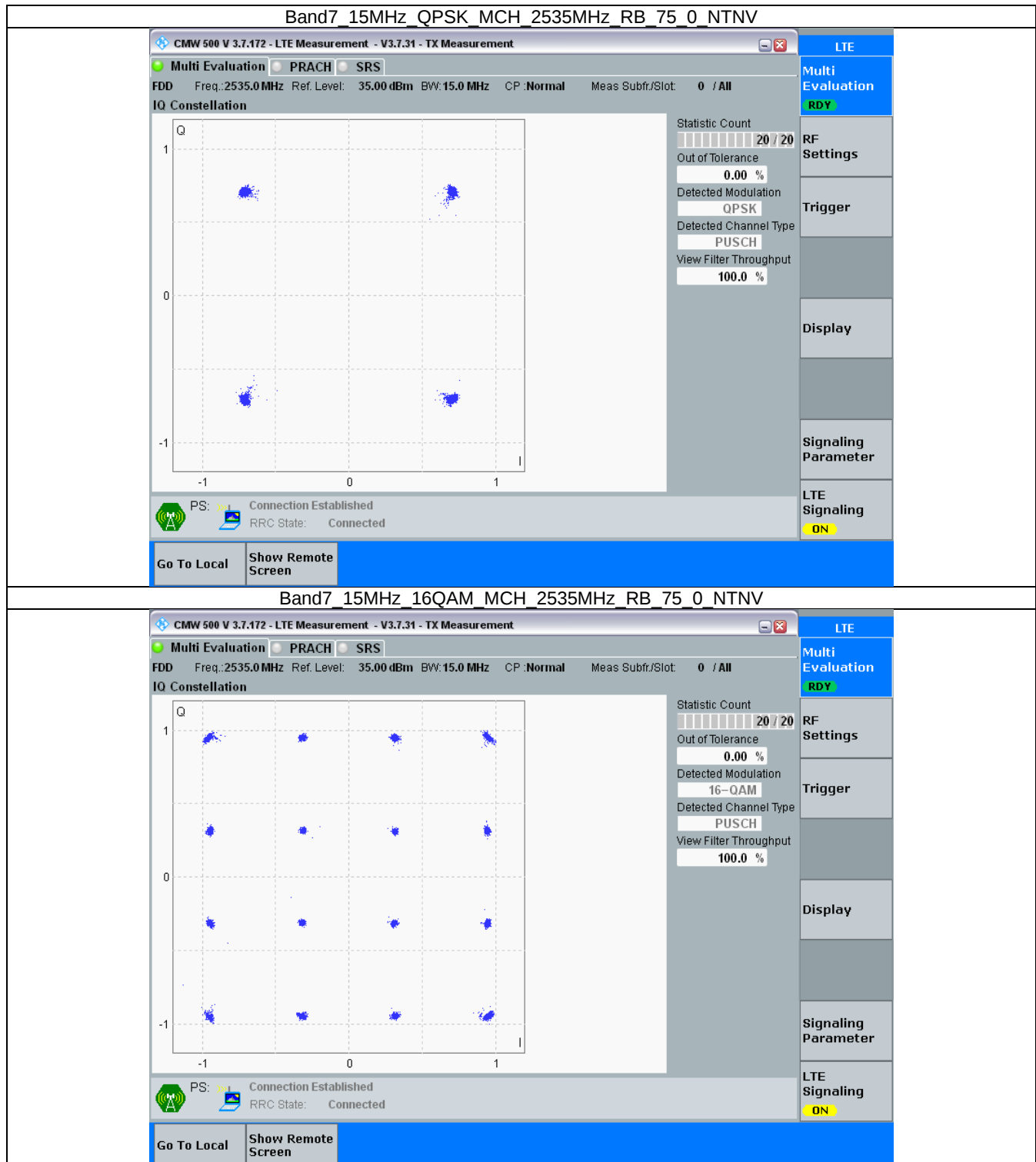
### 3.2.1 B7\_5MHz



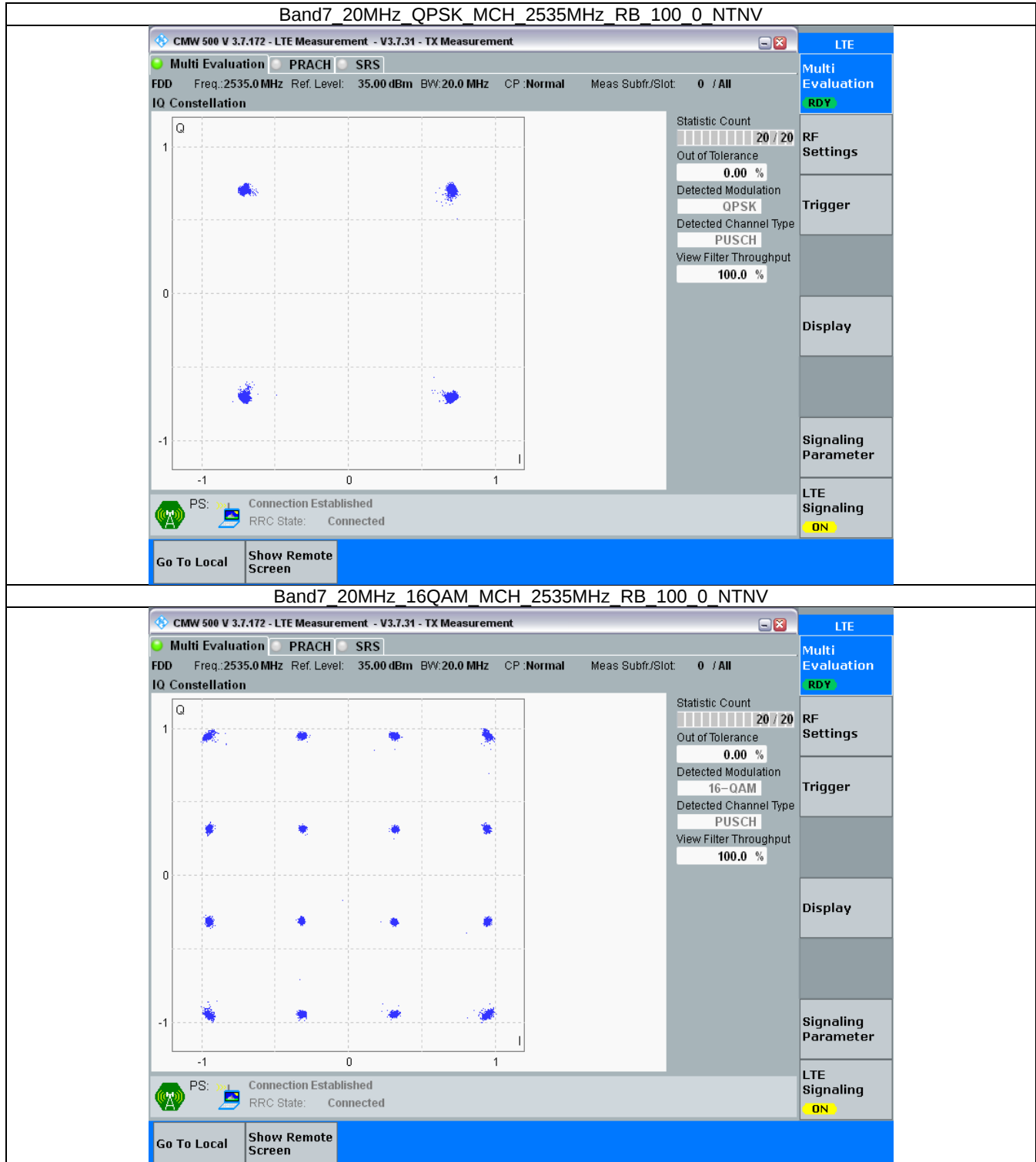
### 3.2.2 B7\_10MHz



### 3.2.3 B7\_15MHz



### 3.2.4 B7\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band7\_OBW

| 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      | 4.545                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.537                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.560                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.567                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.551                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.548                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.063                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.054                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.056                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.057                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.054                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.073                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.619                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.558                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.582                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.589                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.583                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.619                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 18.140                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.021                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.080                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 18.116                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.045                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.167                       | /     | Pass    |

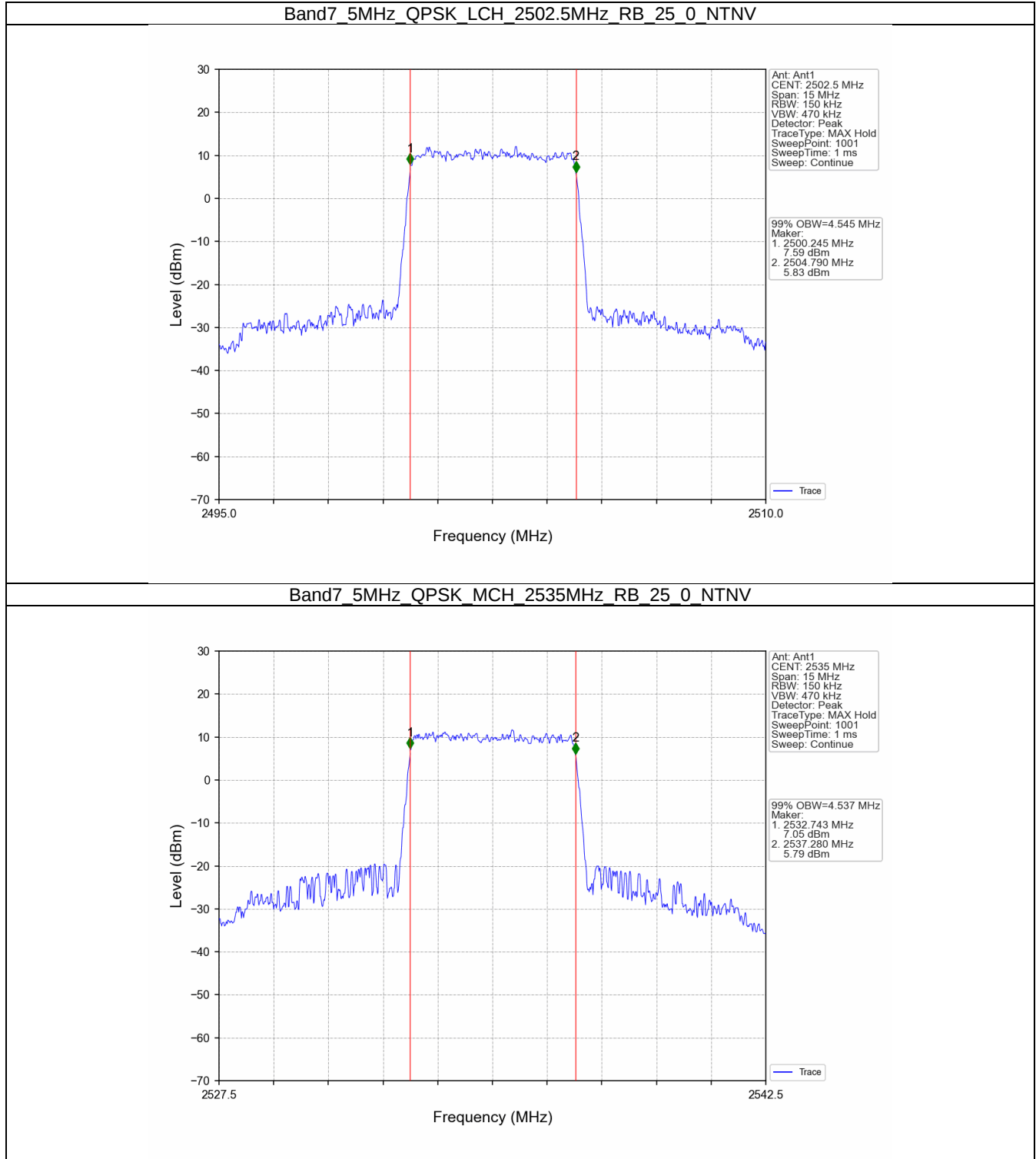
#### 4.1.2 Band7\_XDB

| Band: 7 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 5.000                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.993                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.040                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 5.033                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.007                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.016                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.878                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.921                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.925                | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.965                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.869                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.901                | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 14.898               | /     | Pass    |

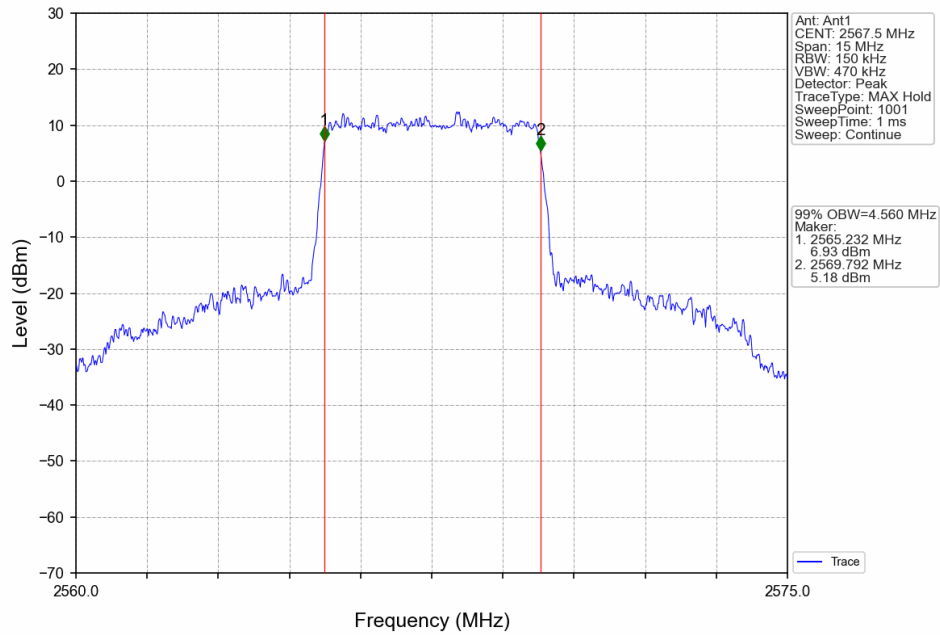
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    | 16QAM | 2535   | 75  | 0 | 14.768 | / | Pass |
|    |       | 2562.5 | 75  | 0 | 14.897 | / | Pass |
|    |       | 2507.5 | 75  | 0 | 14.789 | / | Pass |
|    |       | 2535   | 75  | 0 | 14.877 | / | Pass |
|    |       | 2562.5 | 75  | 0 | 14.870 | / | Pass |
| 20 | QPSK  | 2510   | 100 | 0 | 19.764 | / | Pass |
|    |       | 2535   | 100 | 0 | 19.637 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.620 | / | Pass |
|    | 16QAM | 2510   | 100 | 0 | 19.730 | / | Pass |
|    |       | 2535   | 100 | 0 | 19.650 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.796 | / | Pass |

## 4.2 Test Graph

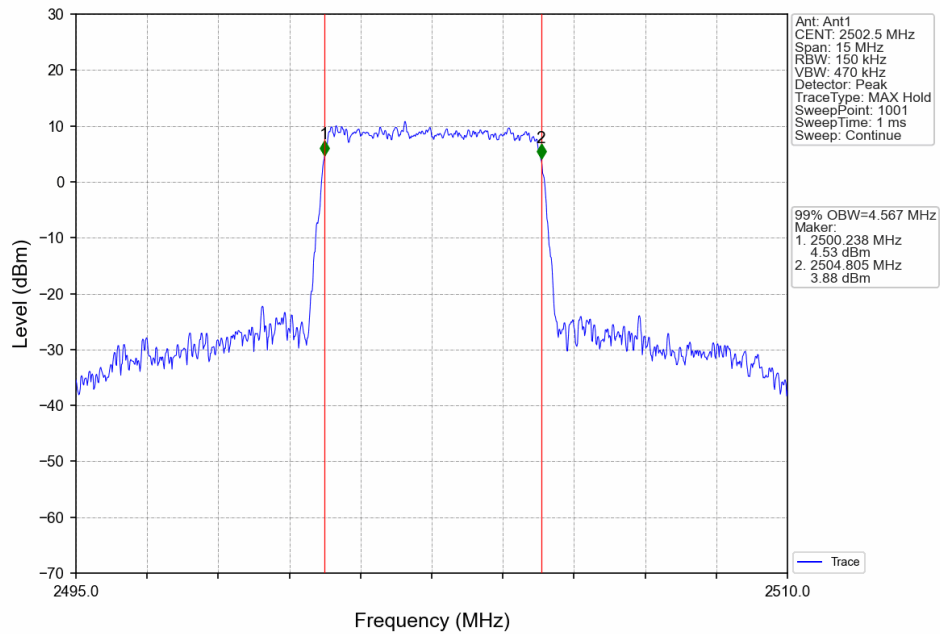
### 4.2.1 Band7\_OBW



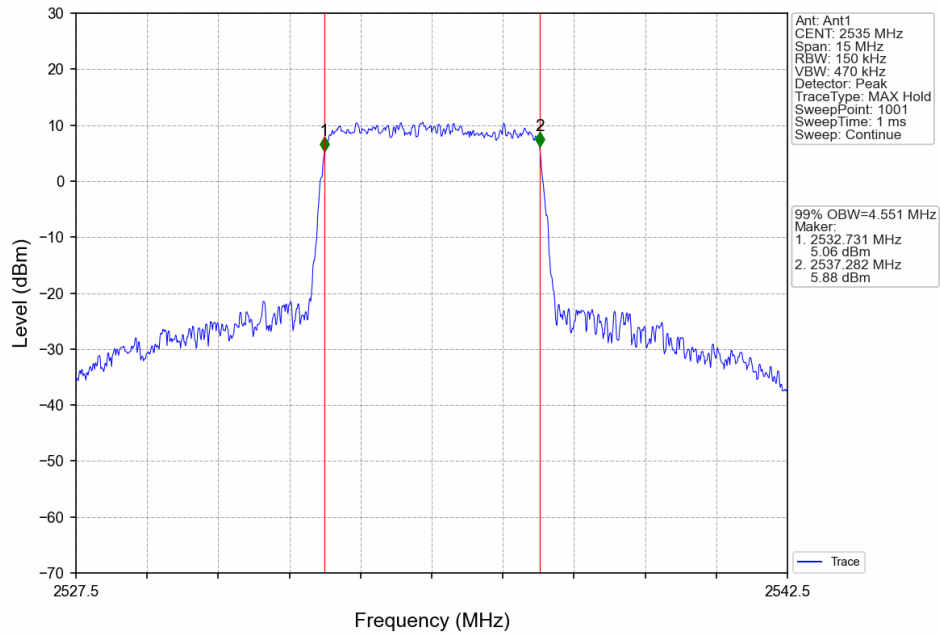
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



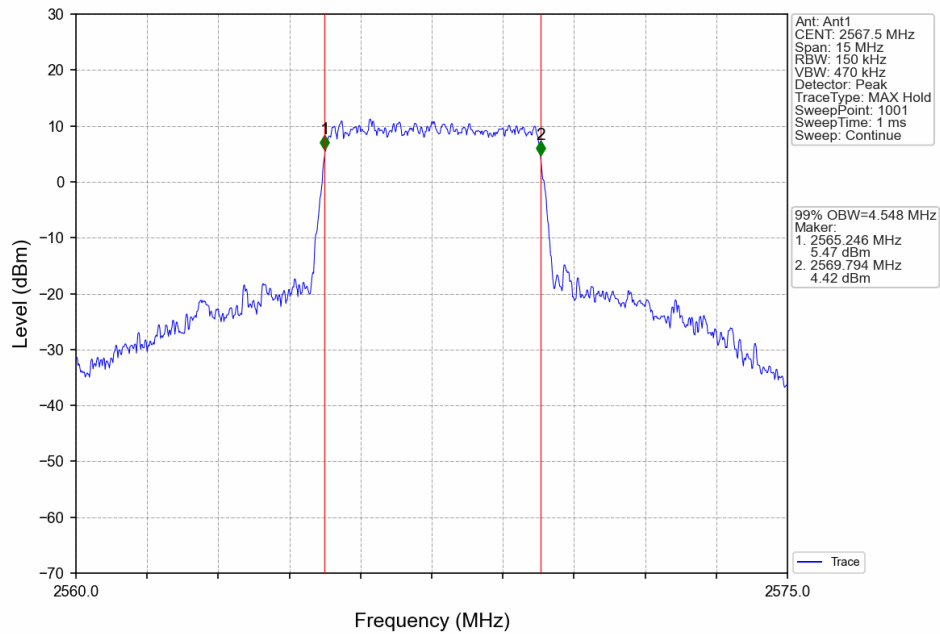
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



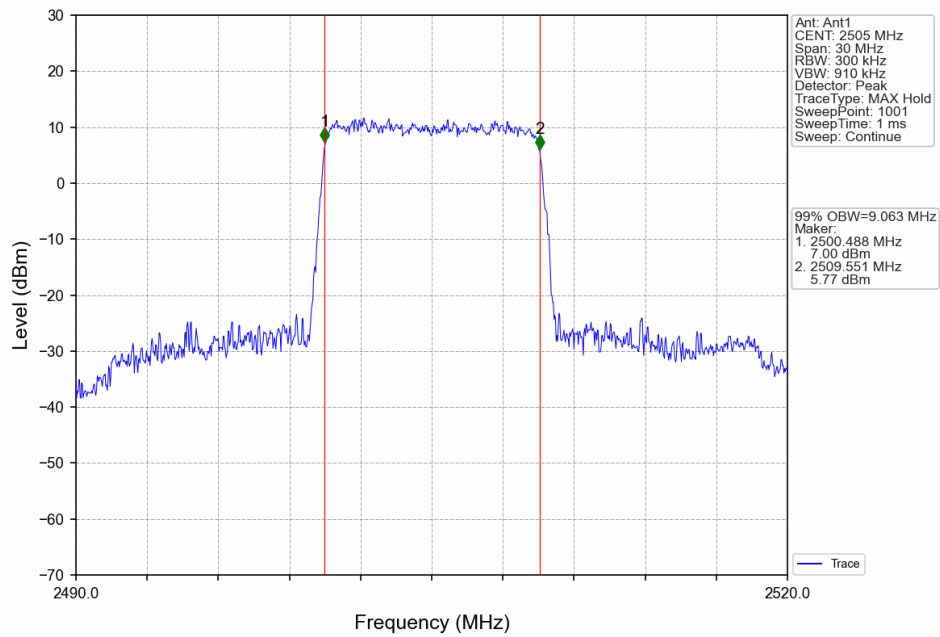
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



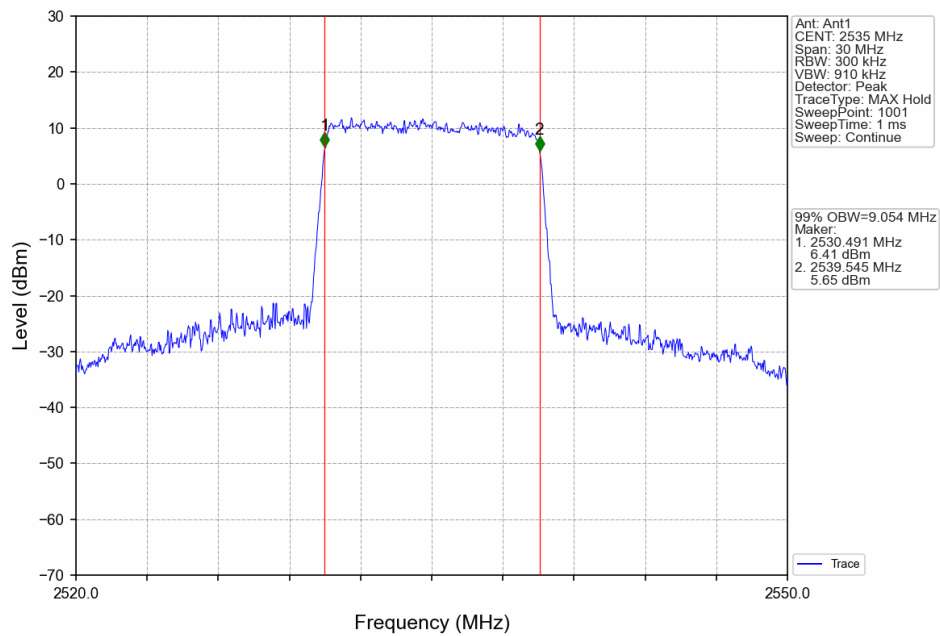
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



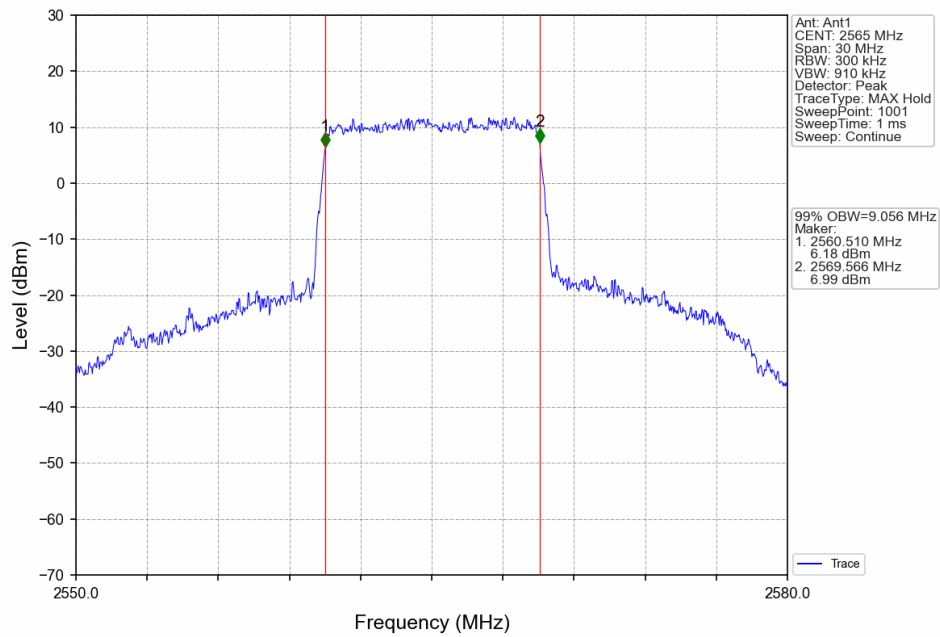
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



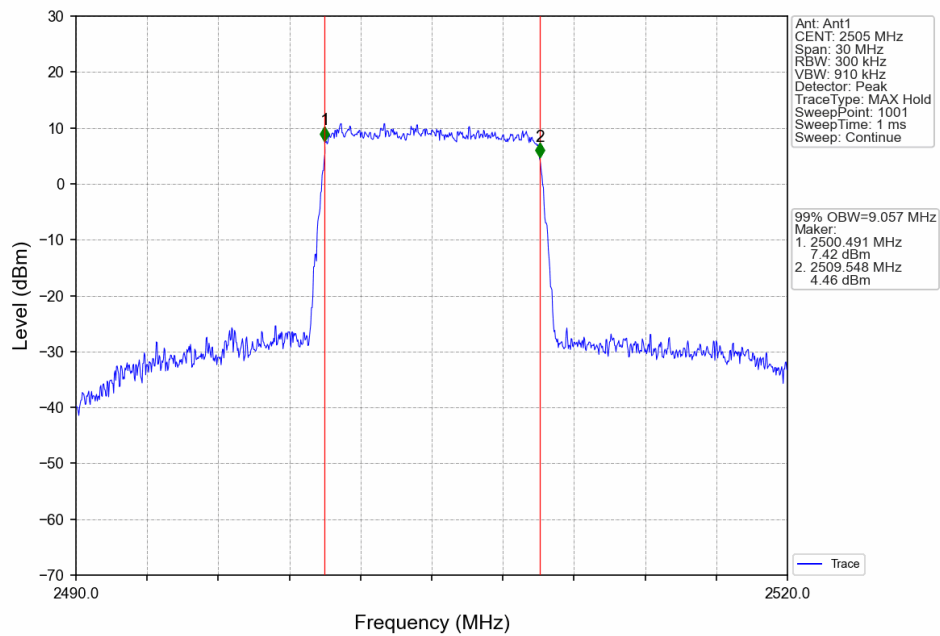
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



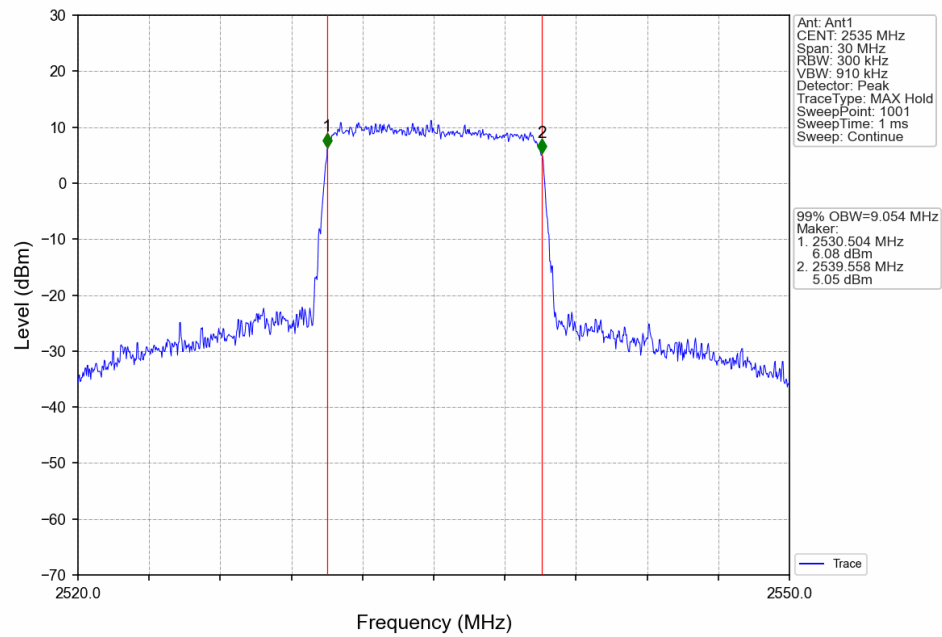
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



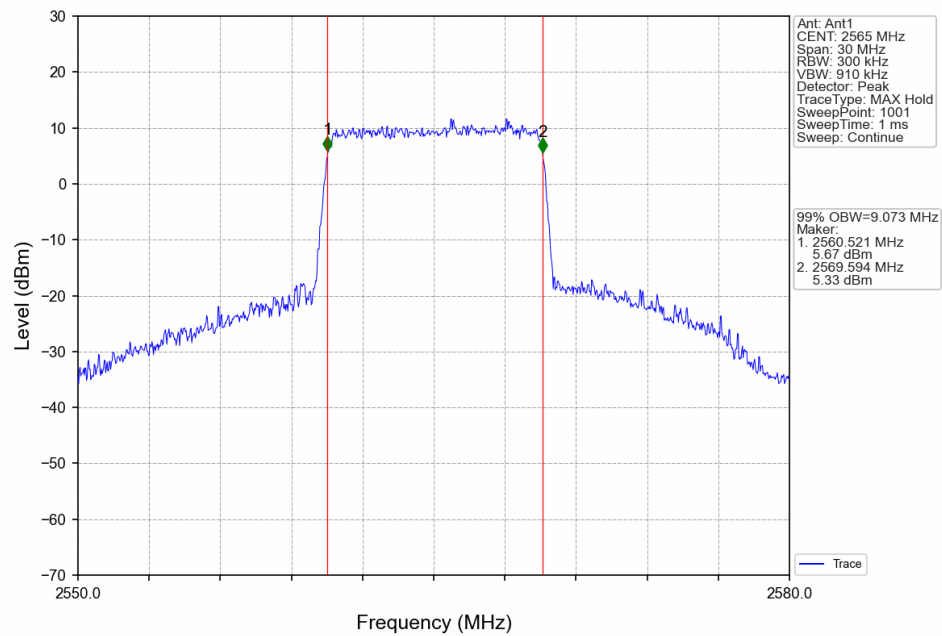
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



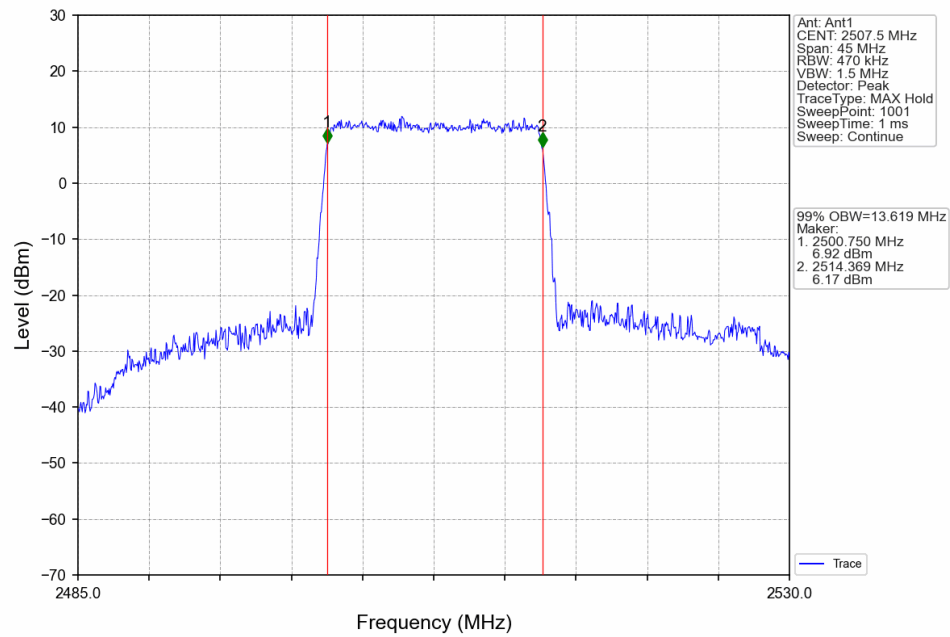
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



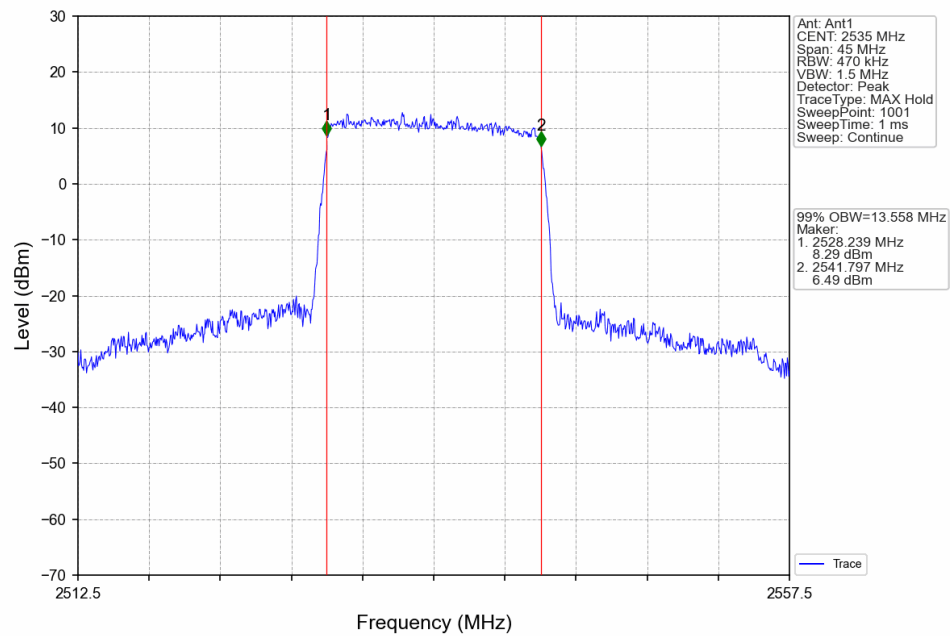
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



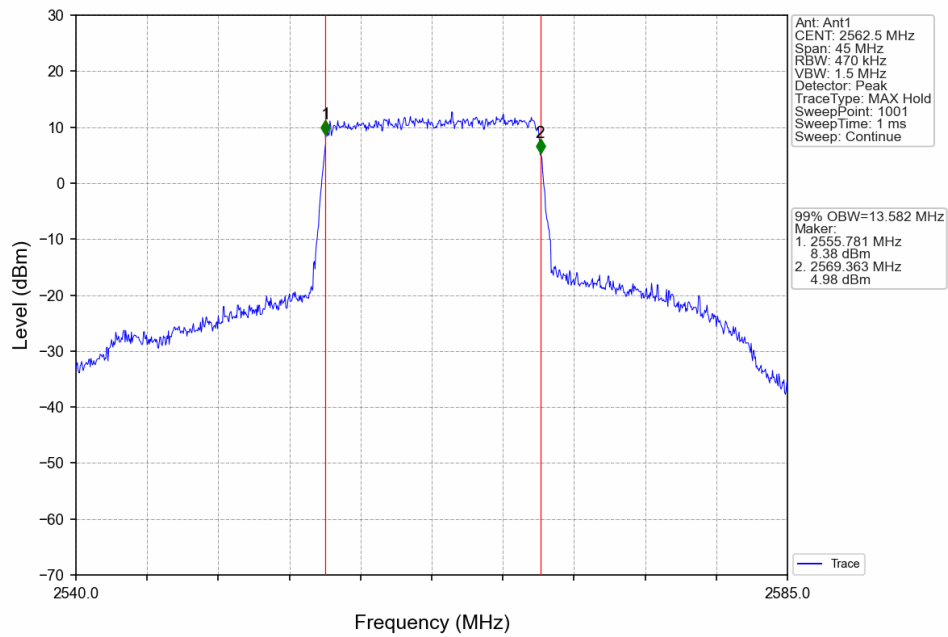
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



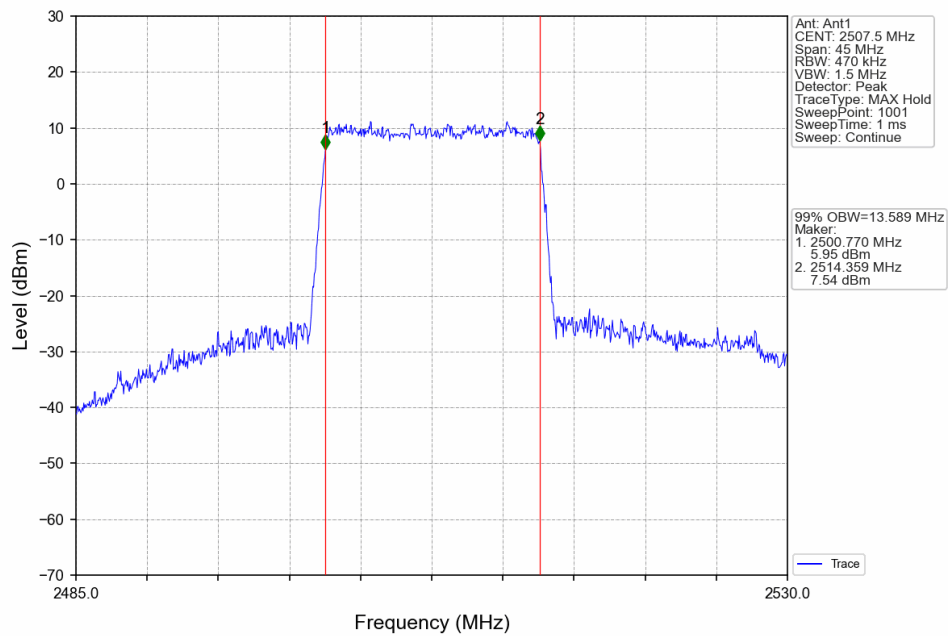
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



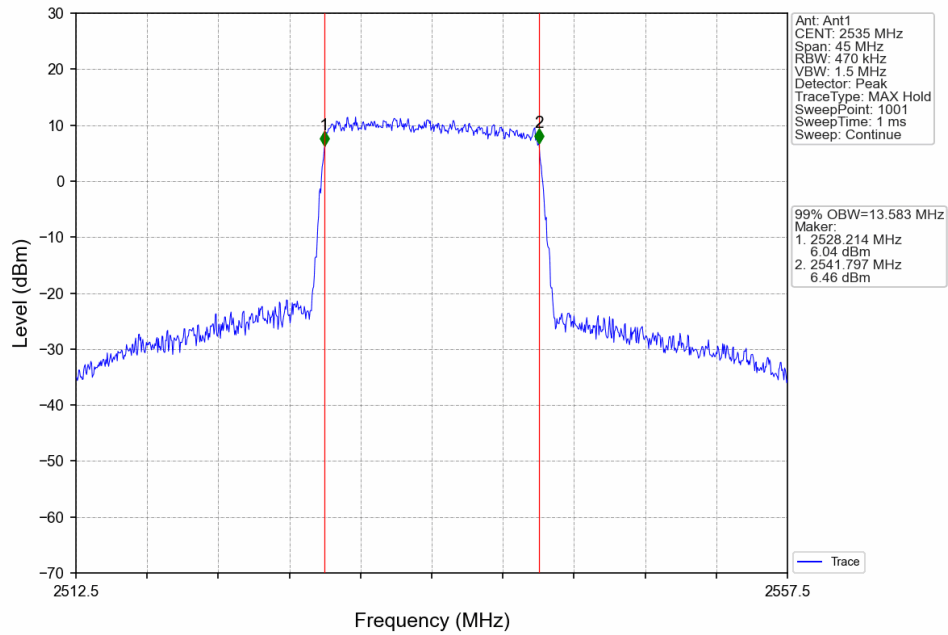
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



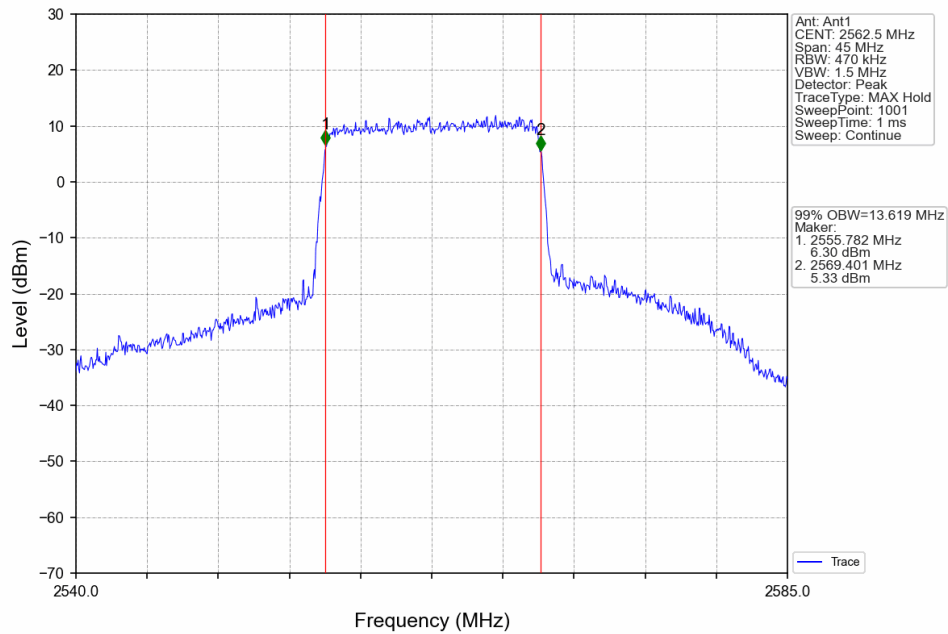
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



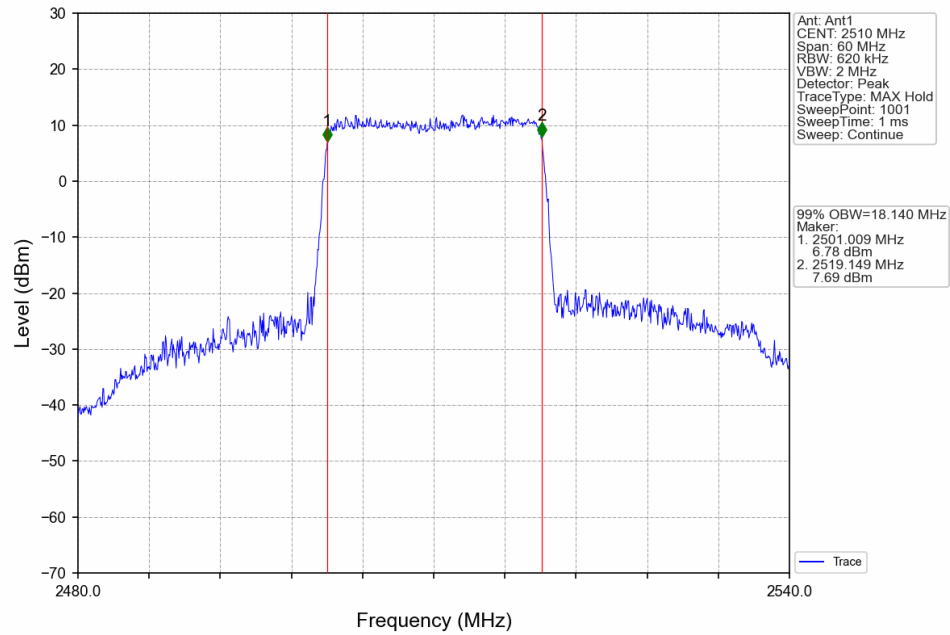
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



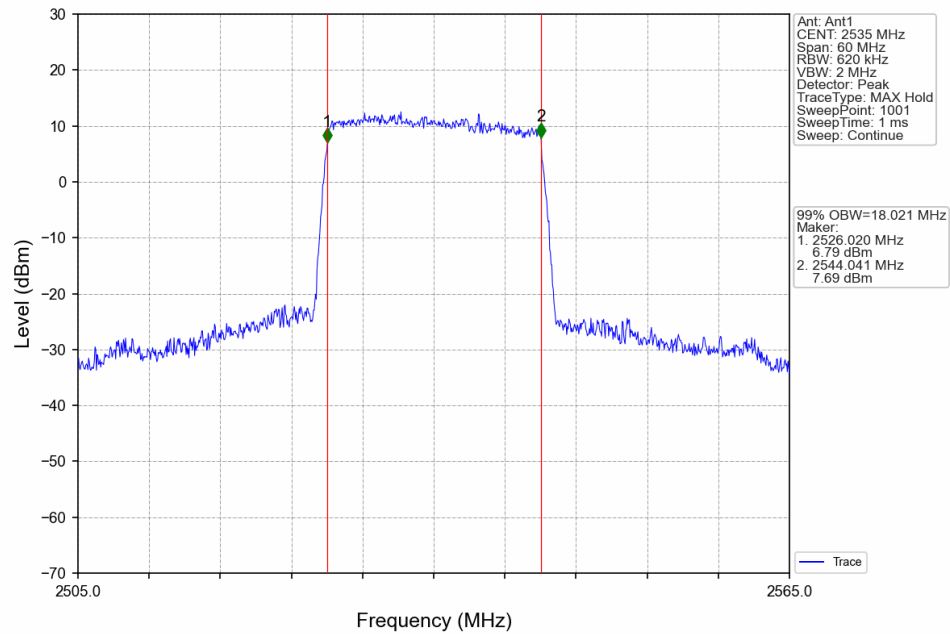
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



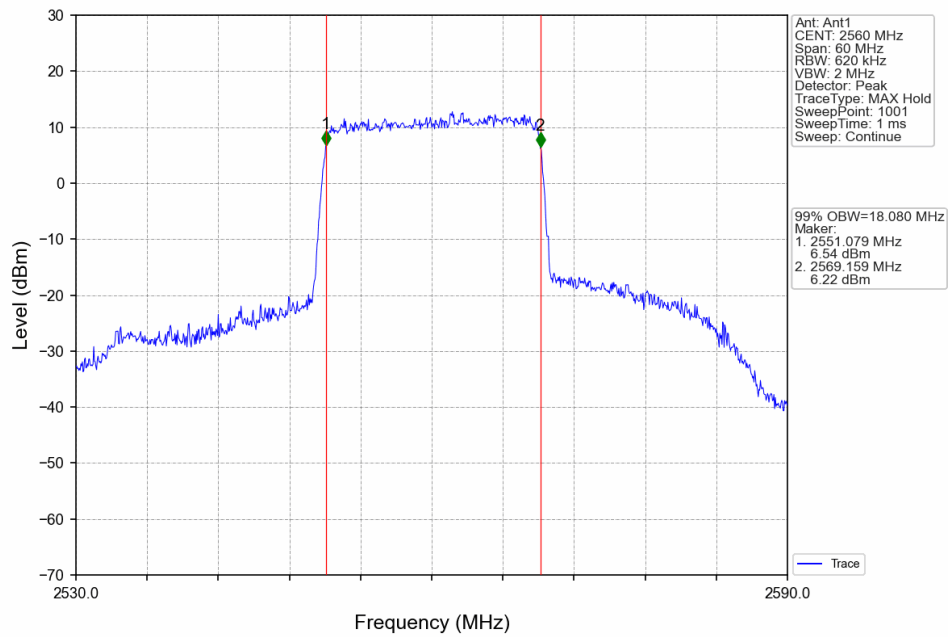
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



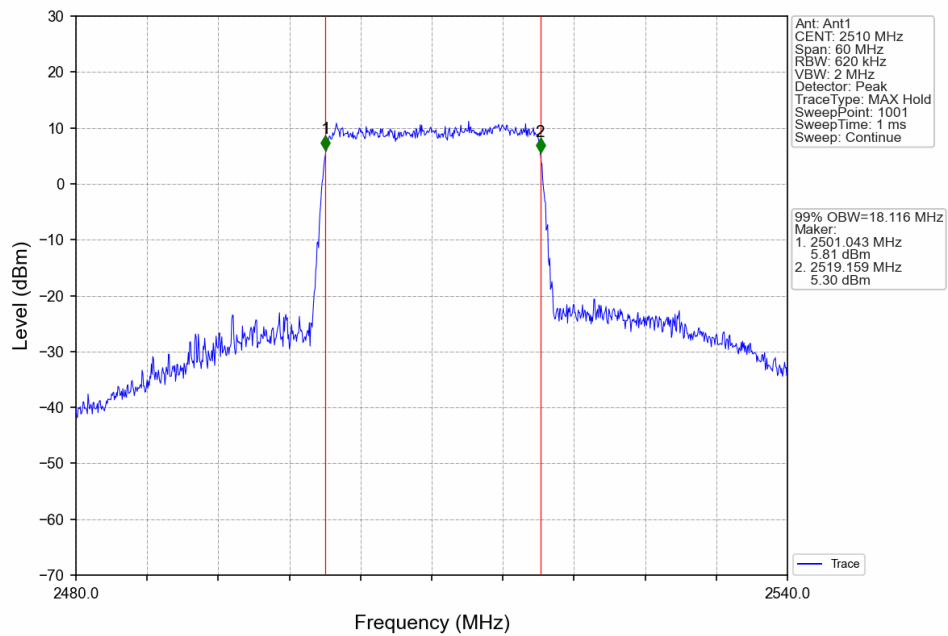
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



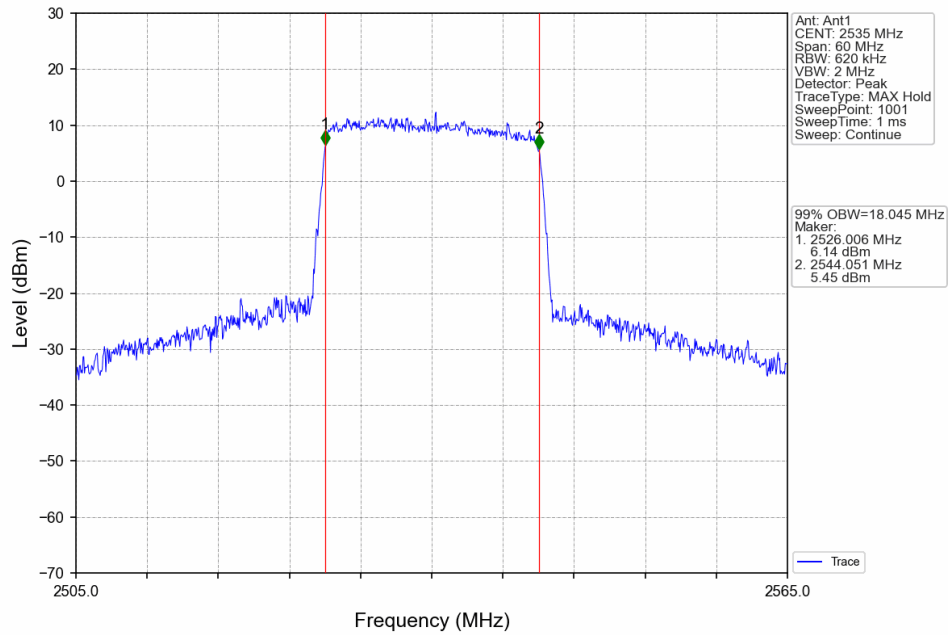
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



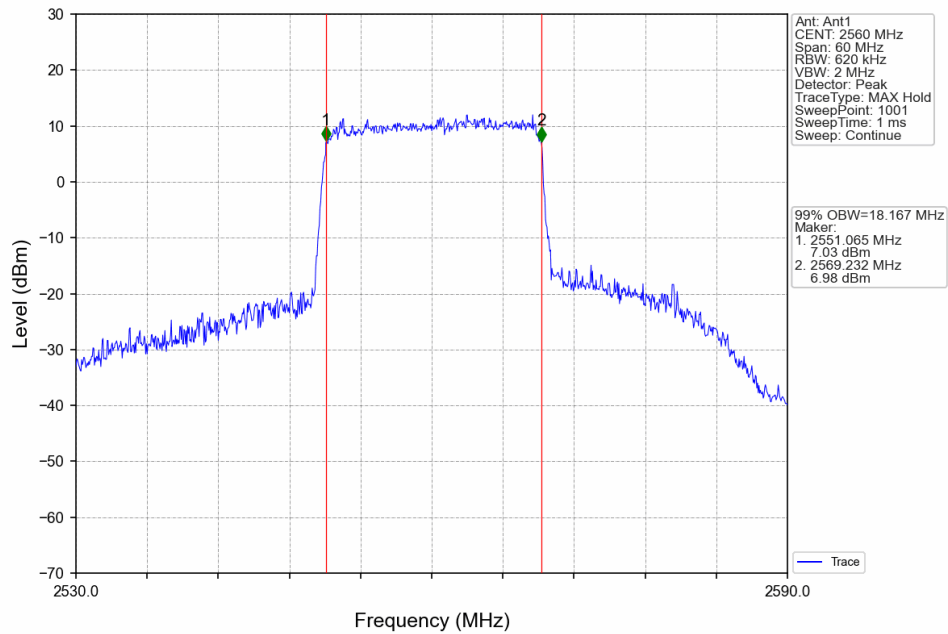
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



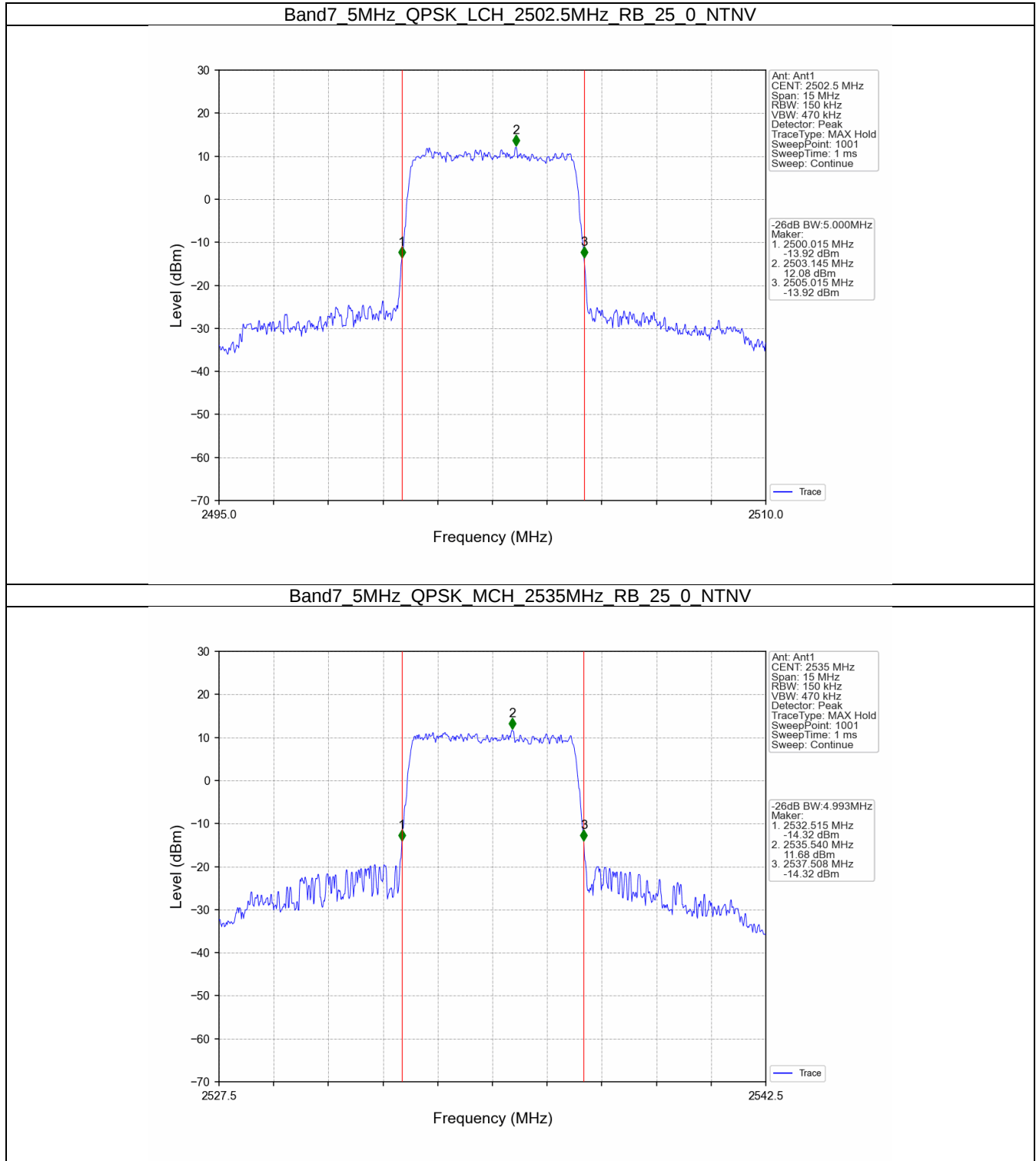
Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



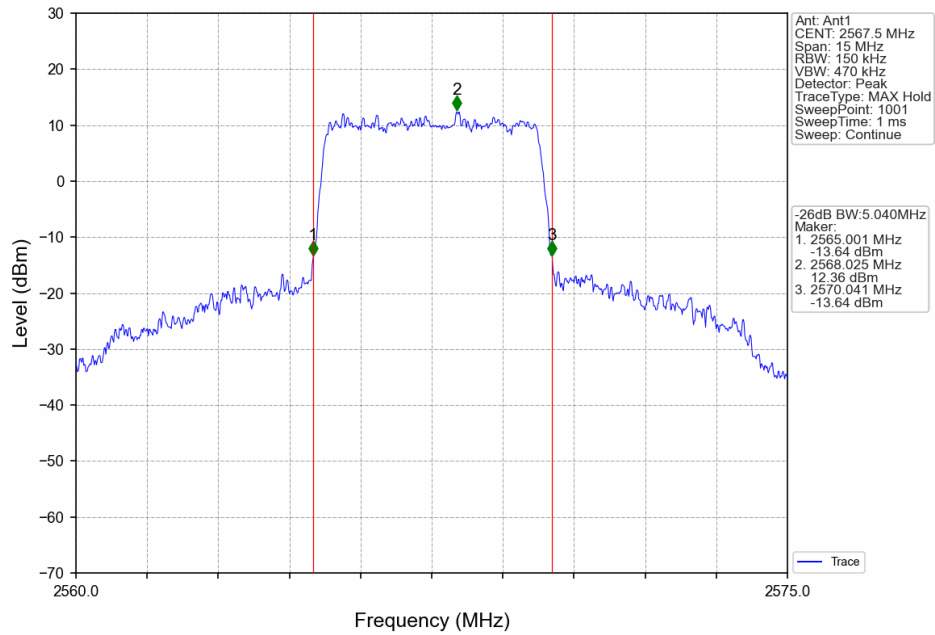
Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



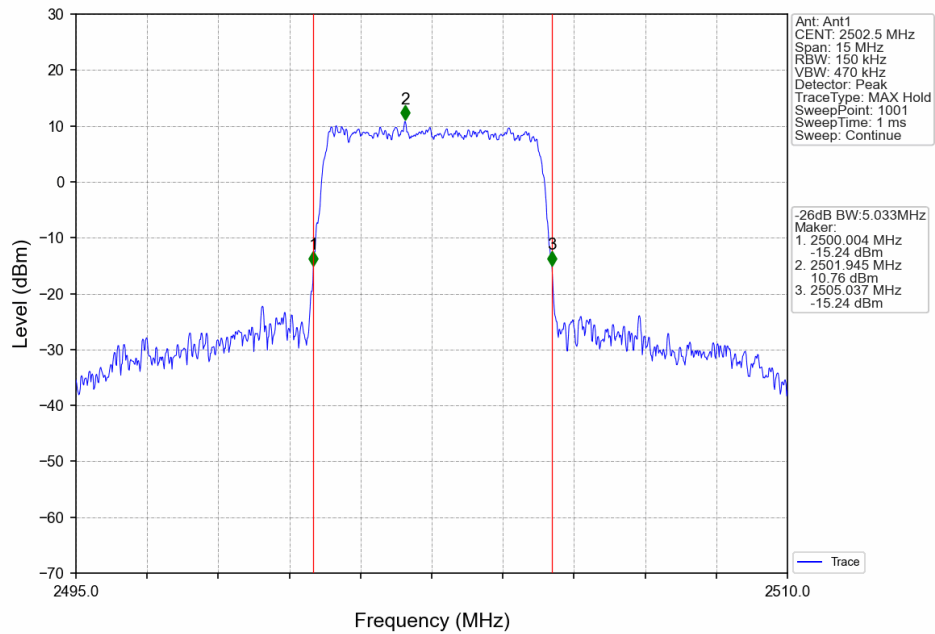
## 4.2.2 Band7\_XDB



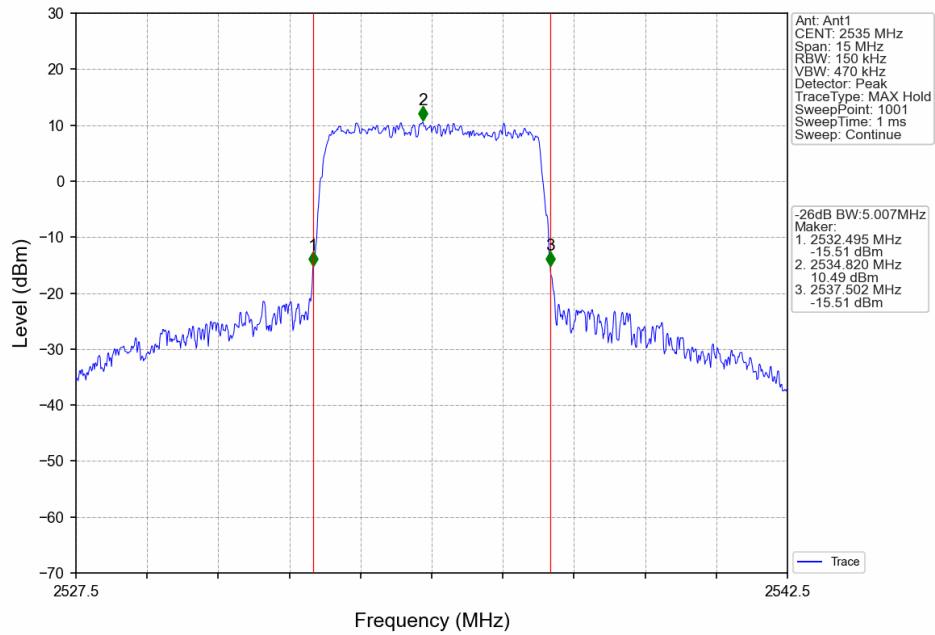
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



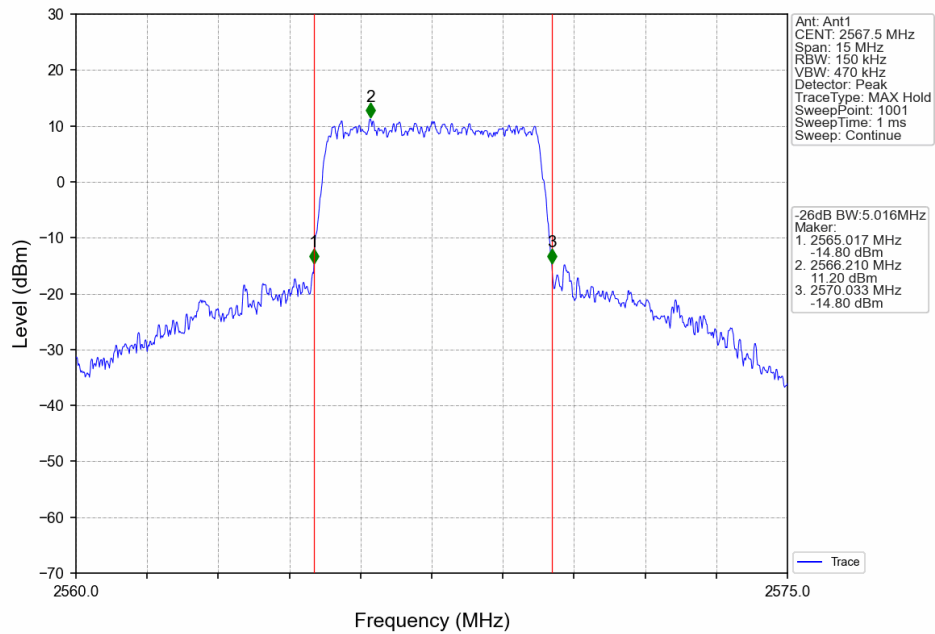
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



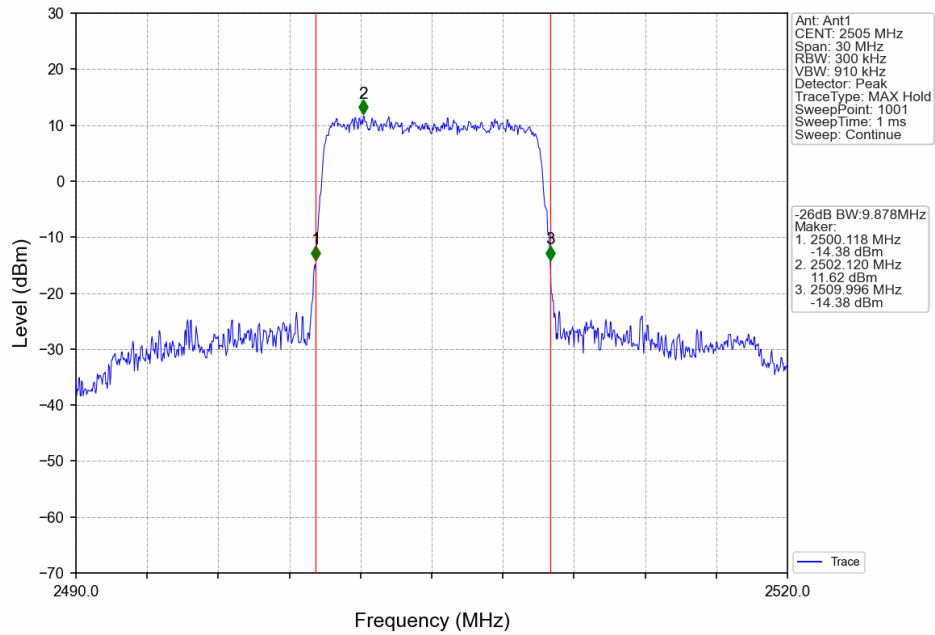
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



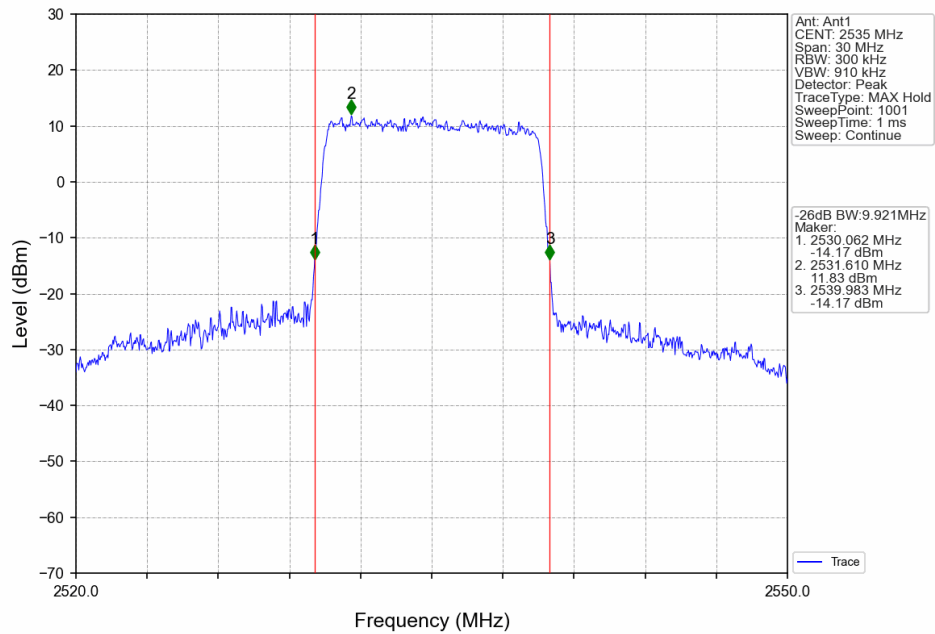
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



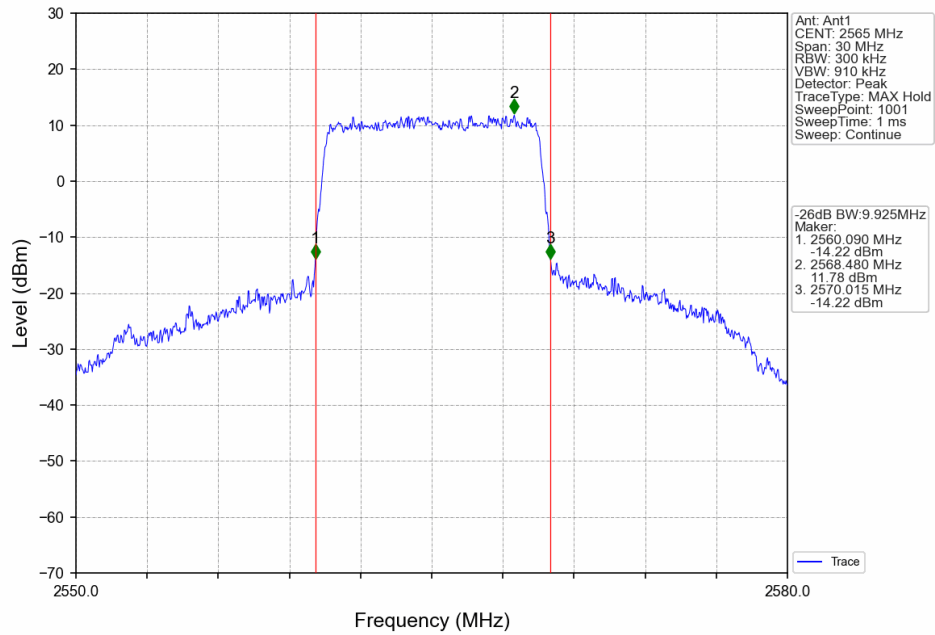
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



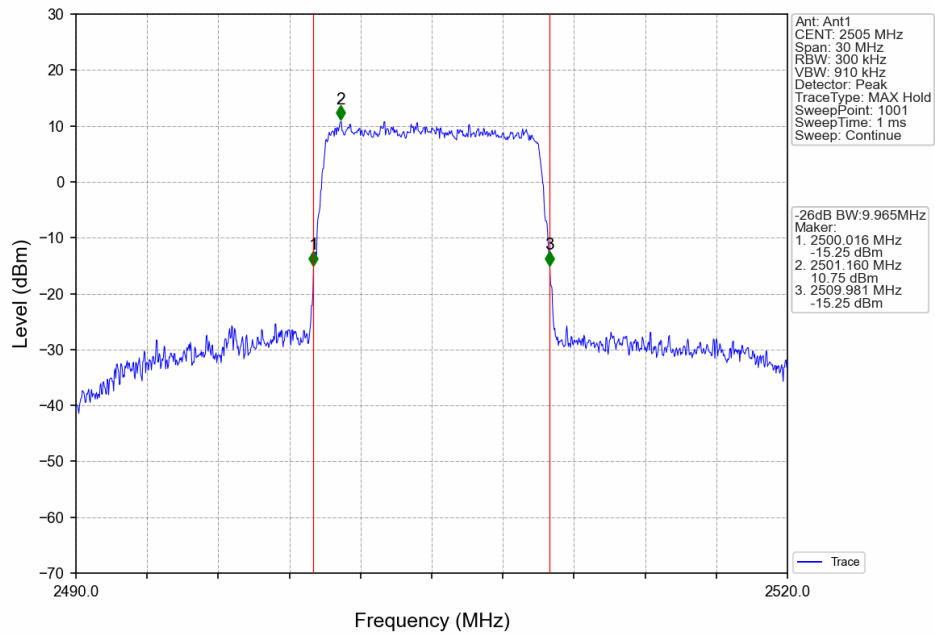
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



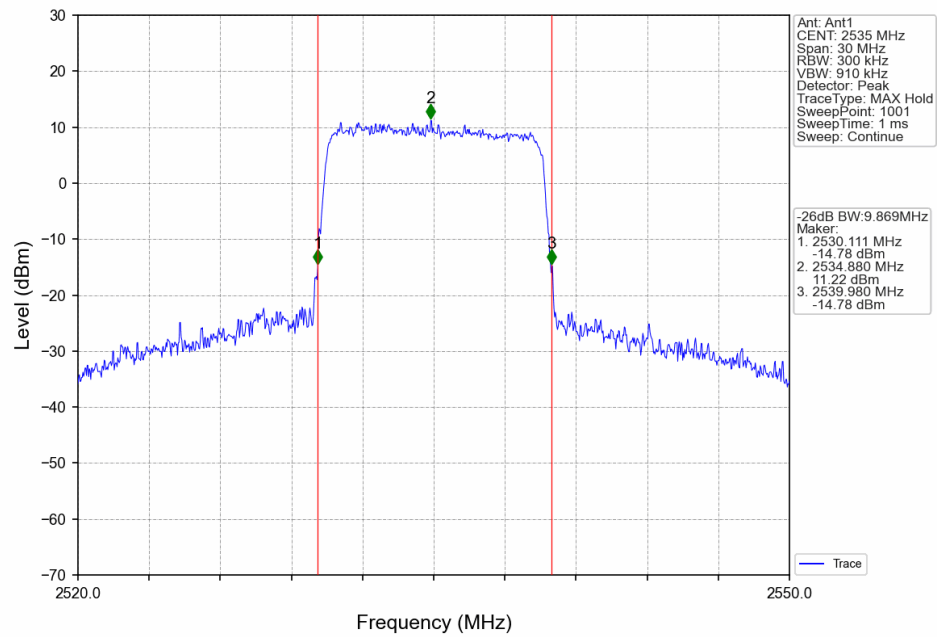
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



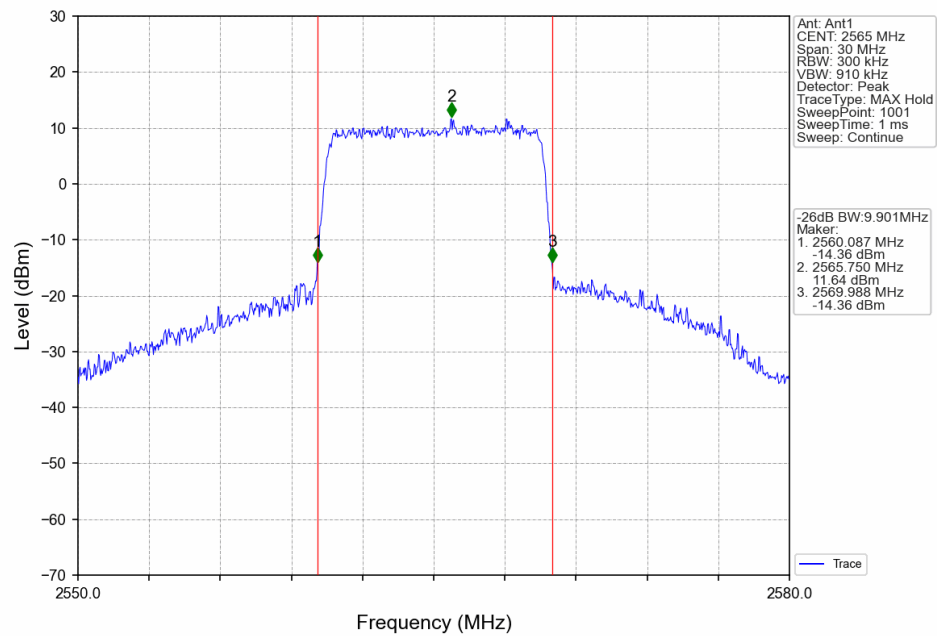
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



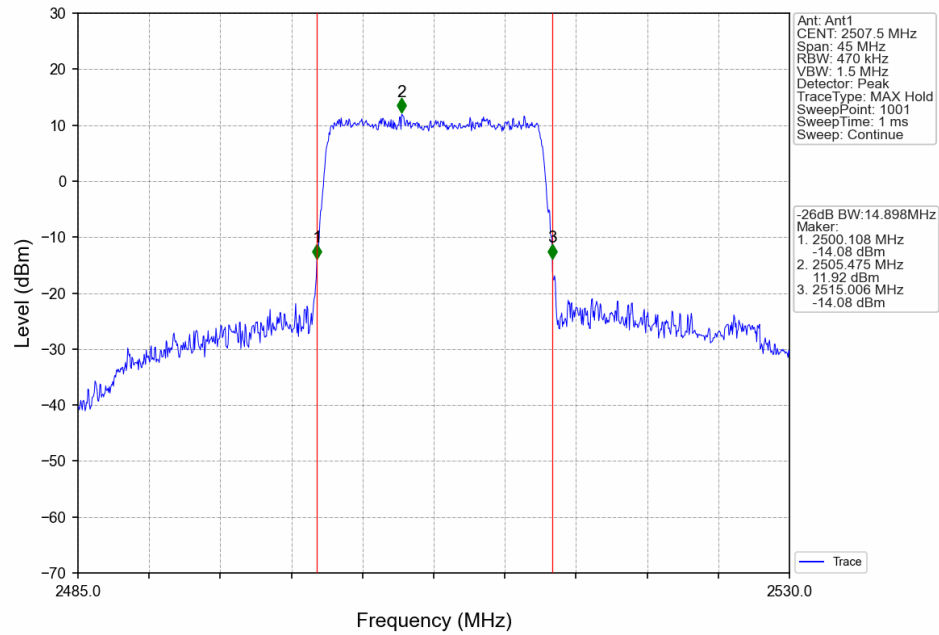
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



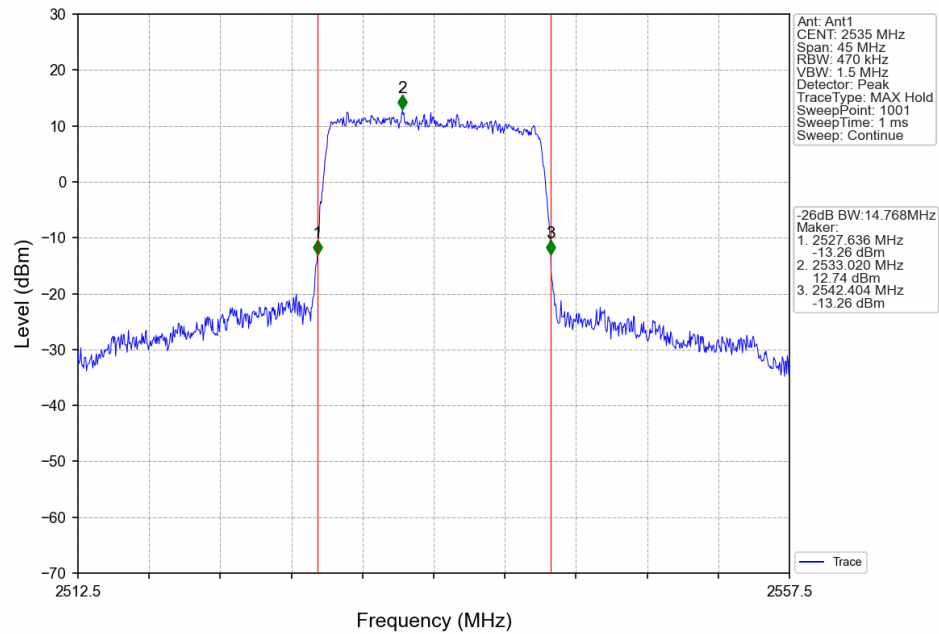
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



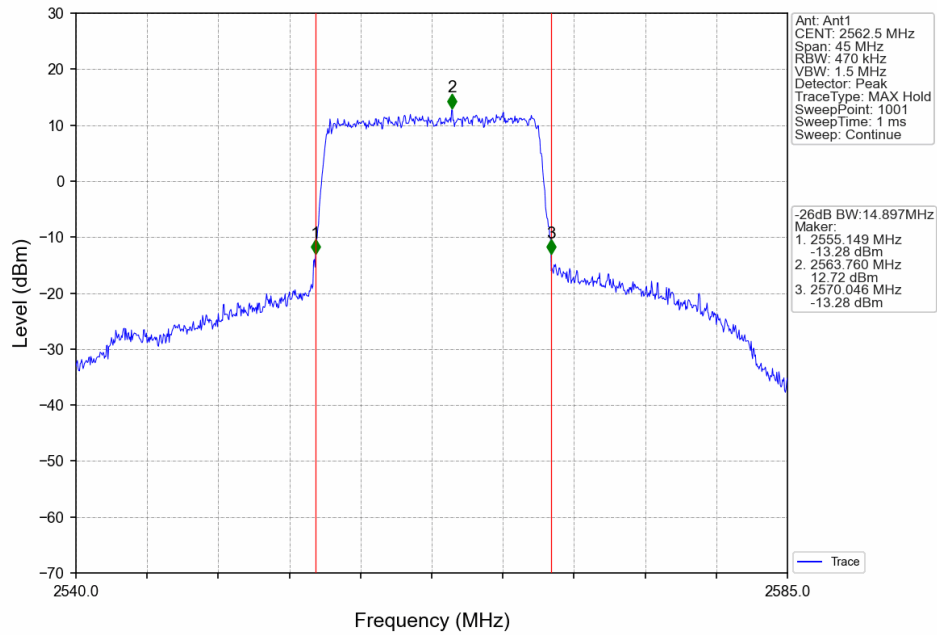
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



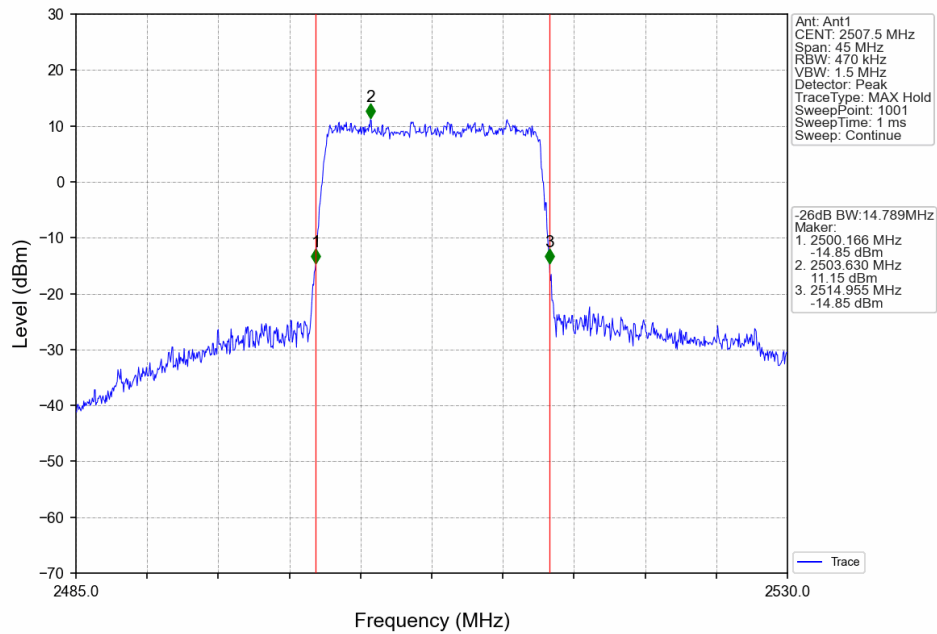
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



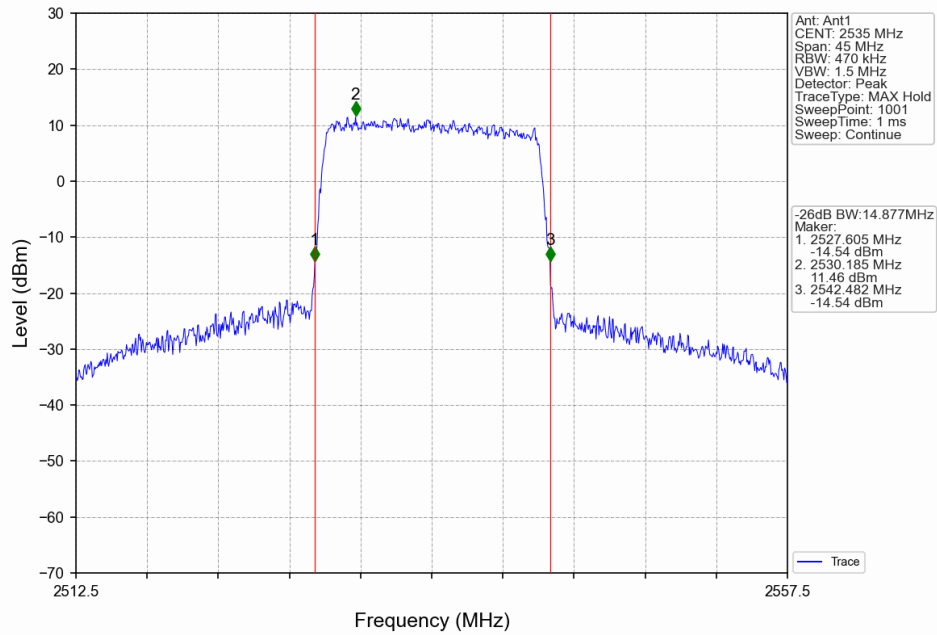
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



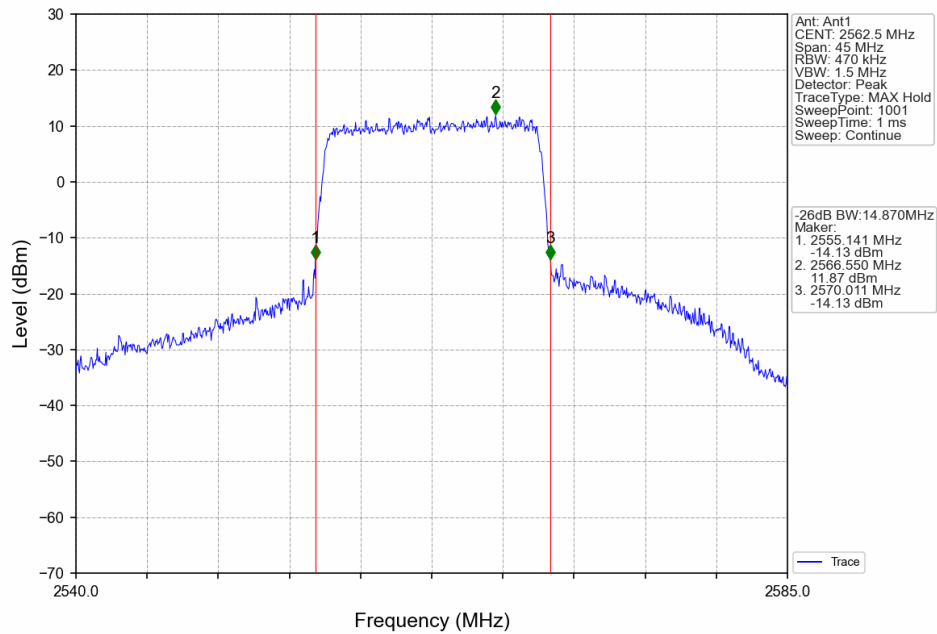
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



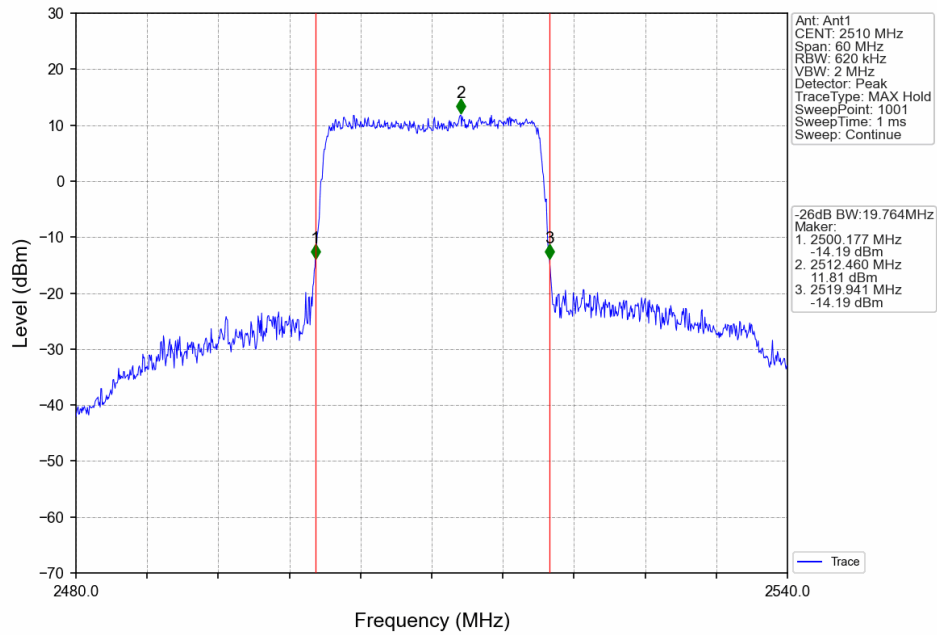
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



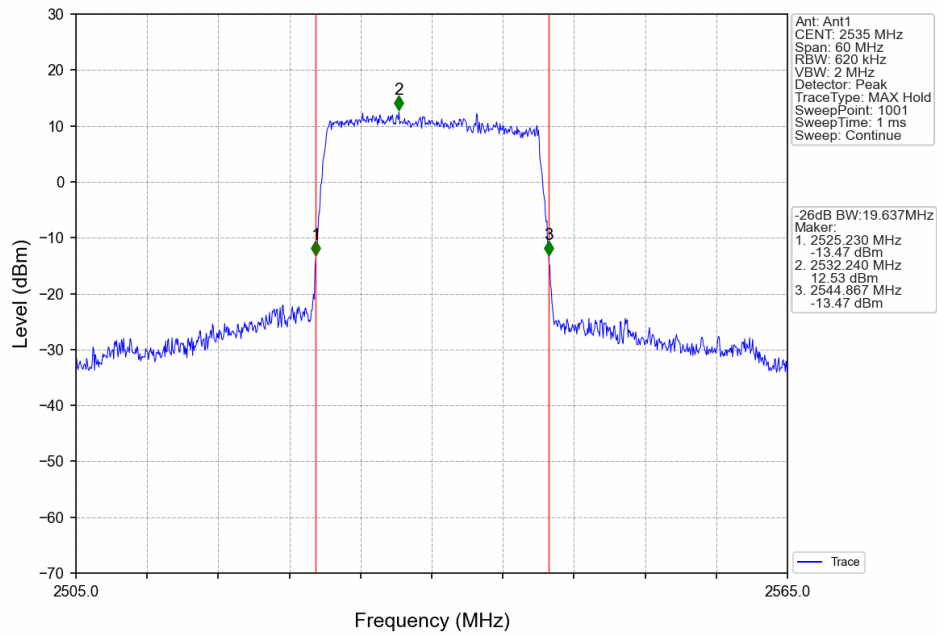
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



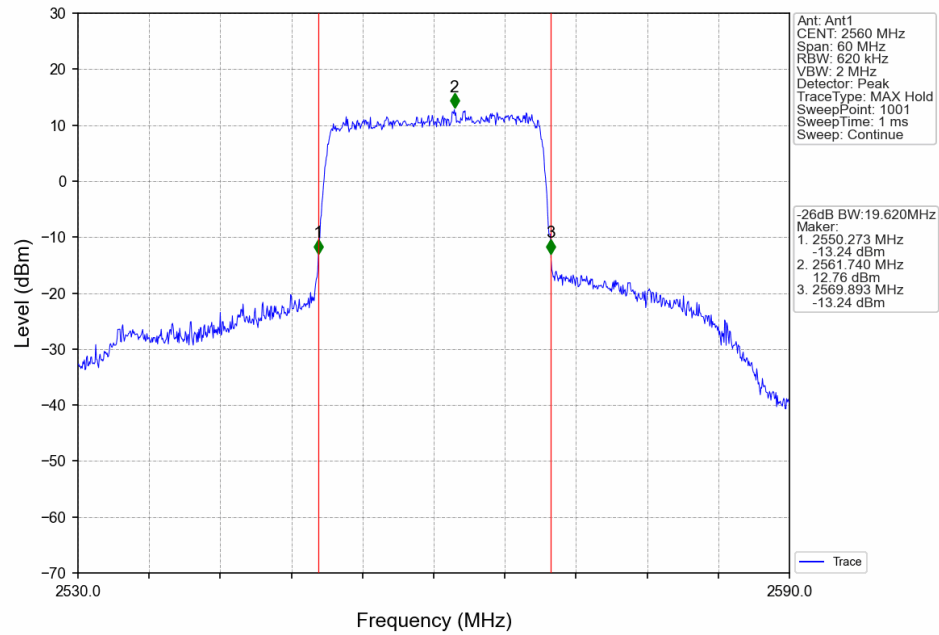
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



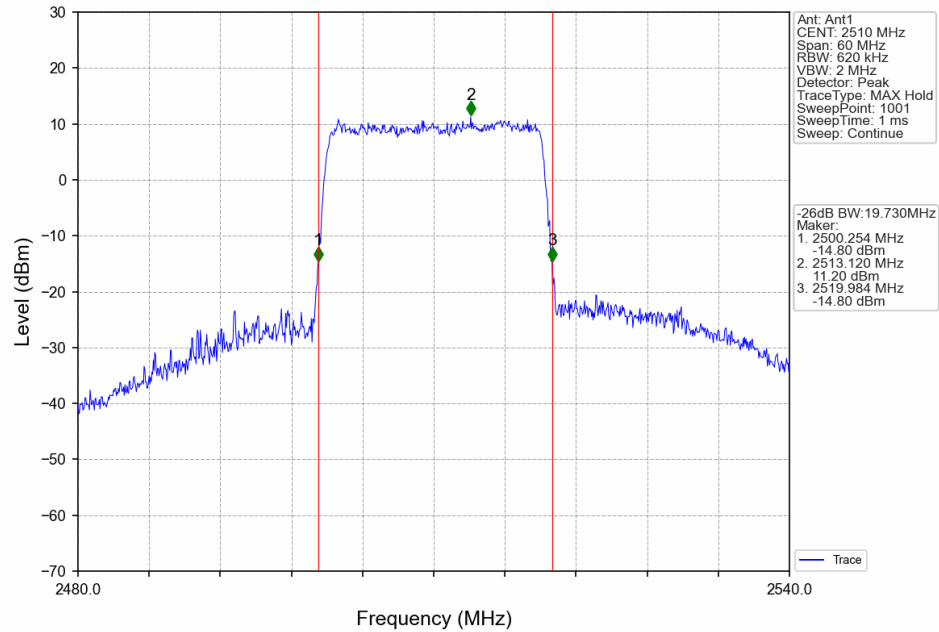
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



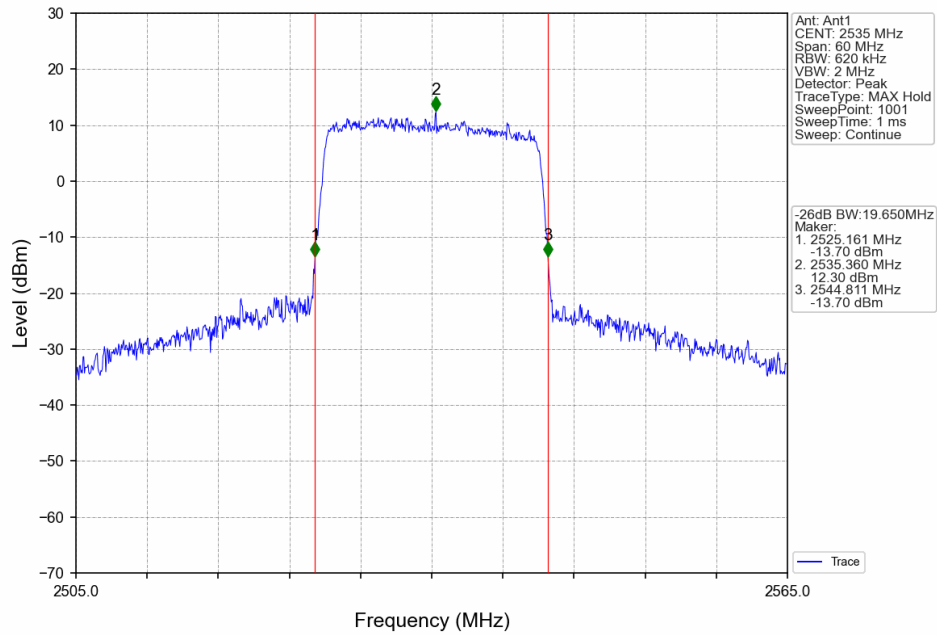
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



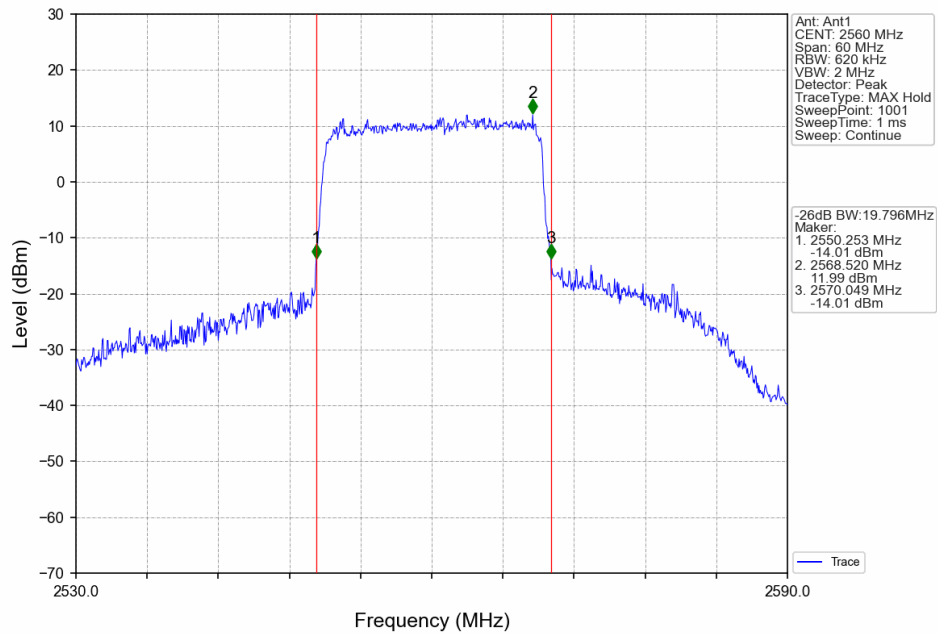
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 2502.5          | 25            | 0      | 5.45                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.32                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 4.92                    | <=13  | Pass    |
| 16QAM                            | 2502.5          | 25            | 0      | 6.34                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 6.07                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 5.65                    | <=13  | Pass    |

#### 5.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2505            | 50            | 0      | 5.59                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.24                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 4.97                    | <=13  | Pass    |
| 16QAM                             | 2505            | 50            | 0      | 6.34                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 6.06                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 5.81                    | <=13  | Pass    |

#### 5.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2507.5          | 75            | 0      | 5.19                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 5.08                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 4.99                    | <=13  | Pass    |
| 16QAM                             | 2507.5          | 75            | 0      | 6.26                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.06                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 6.01                    | <=13  | Pass    |

#### 5.1.4 B7\_20MHz

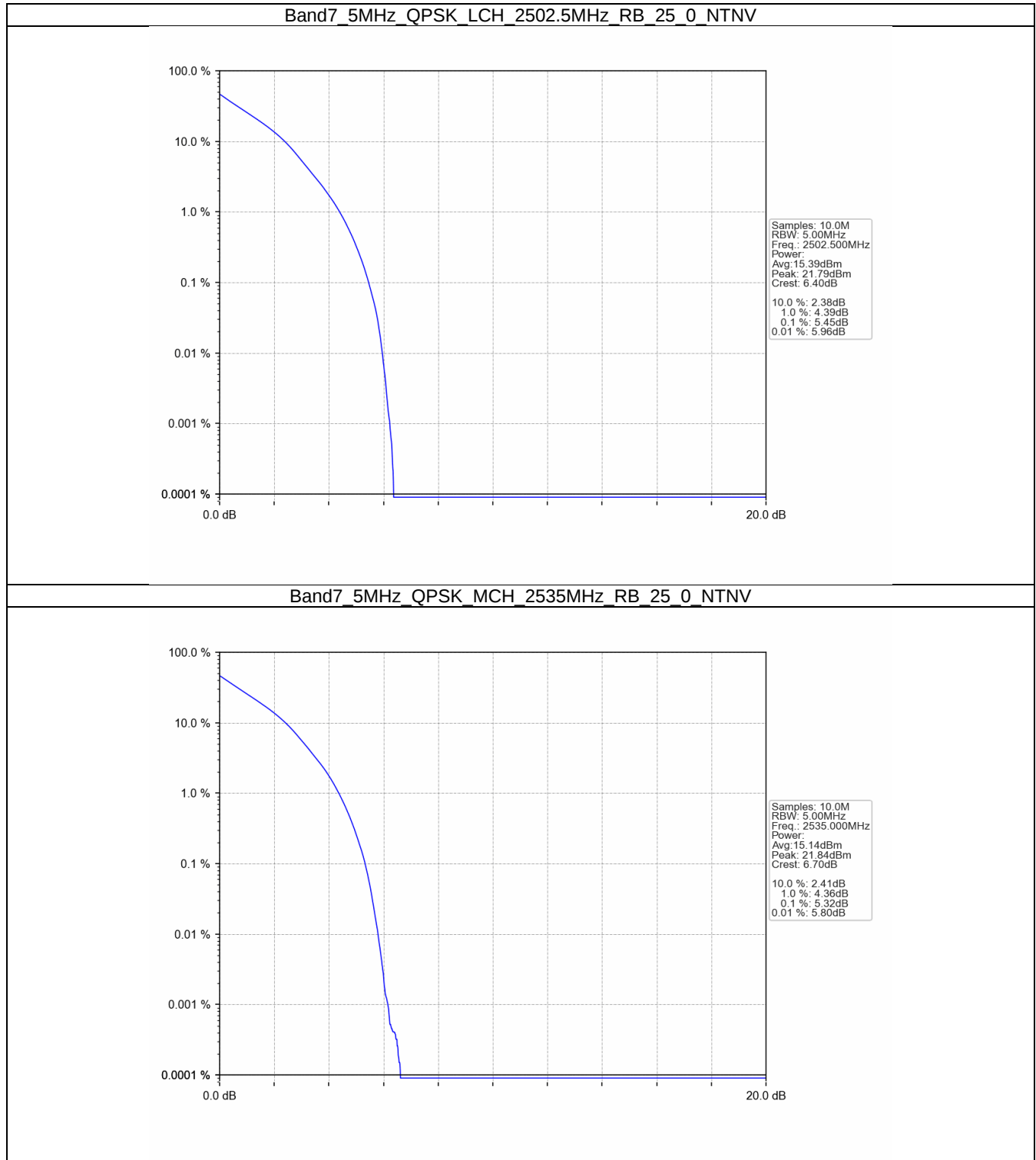
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2510            | 100           | 0      | 5.67                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.59                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.65                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.61                    | <=13  | Pass    |



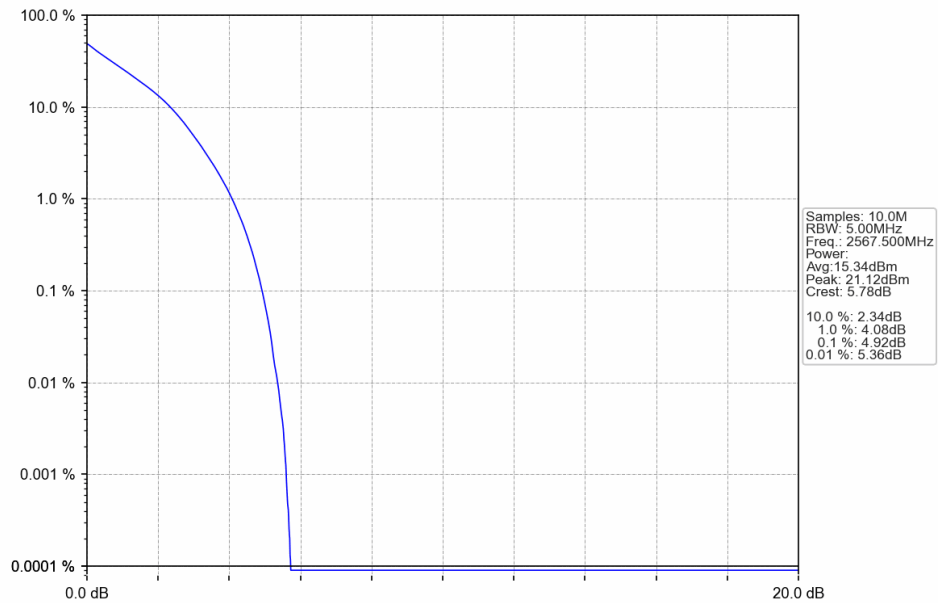
|  |      |     |   |      |      |      |
|--|------|-----|---|------|------|------|
|  | 2535 | 100 | 0 | 6.62 | <=13 | Pass |
|  | 2560 | 100 | 0 | 6.56 | <=13 | Pass |

## 5.2 Test Graph

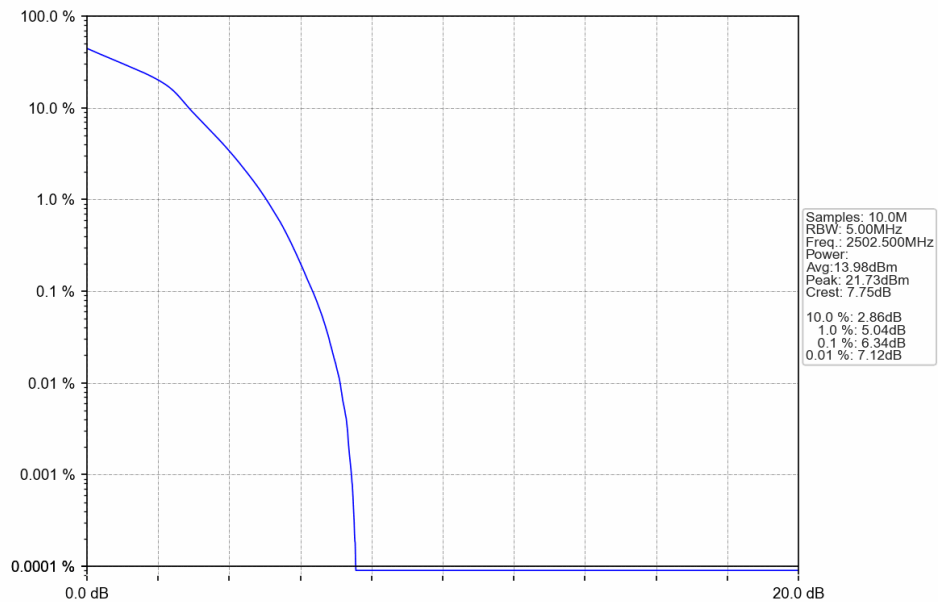
### 5.2.1 B7\_5MHz



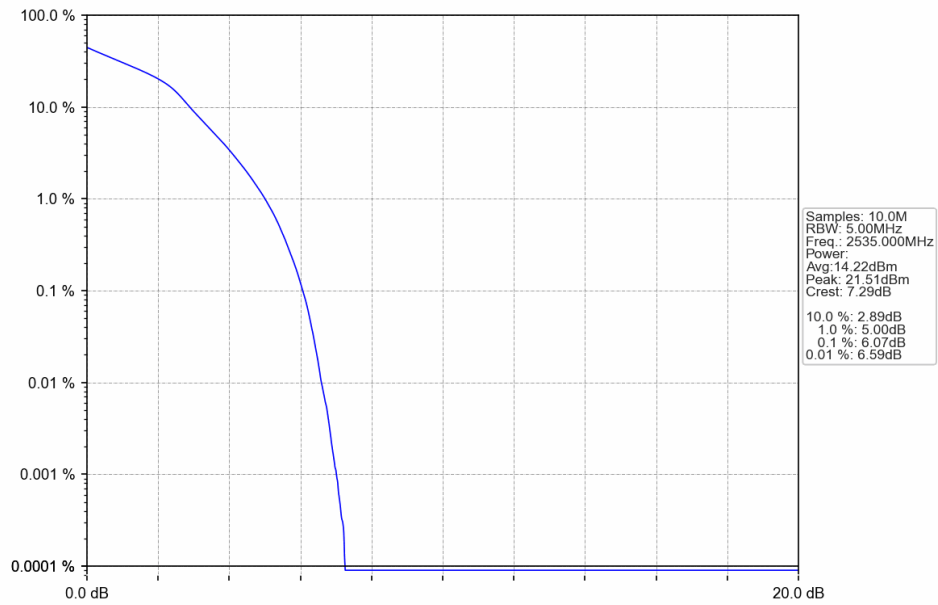
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



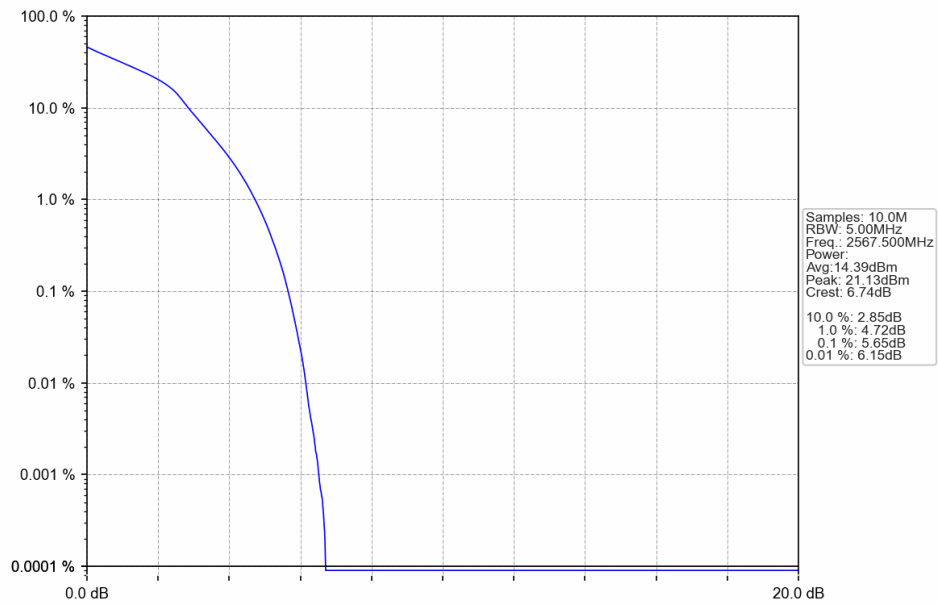
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



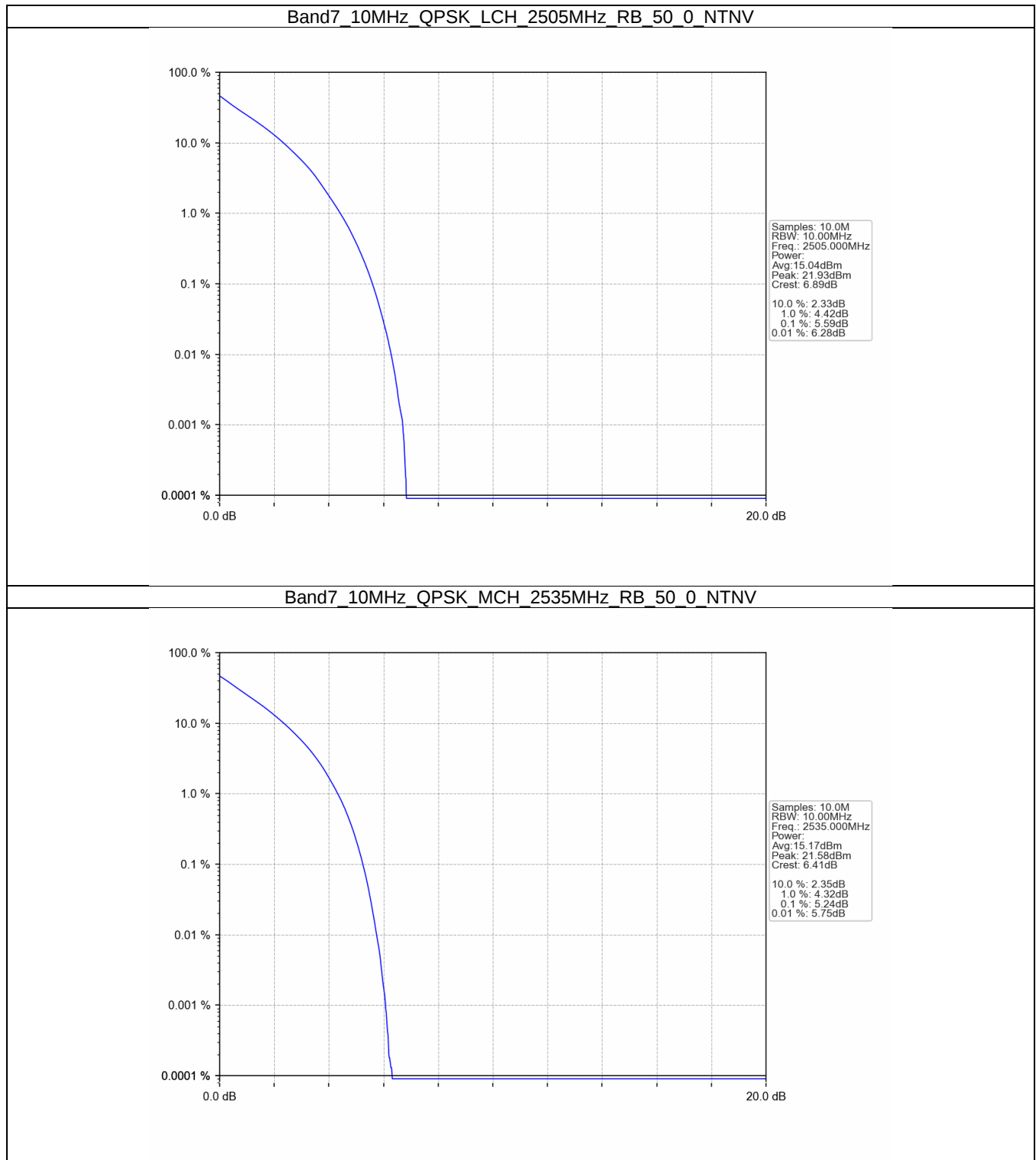
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



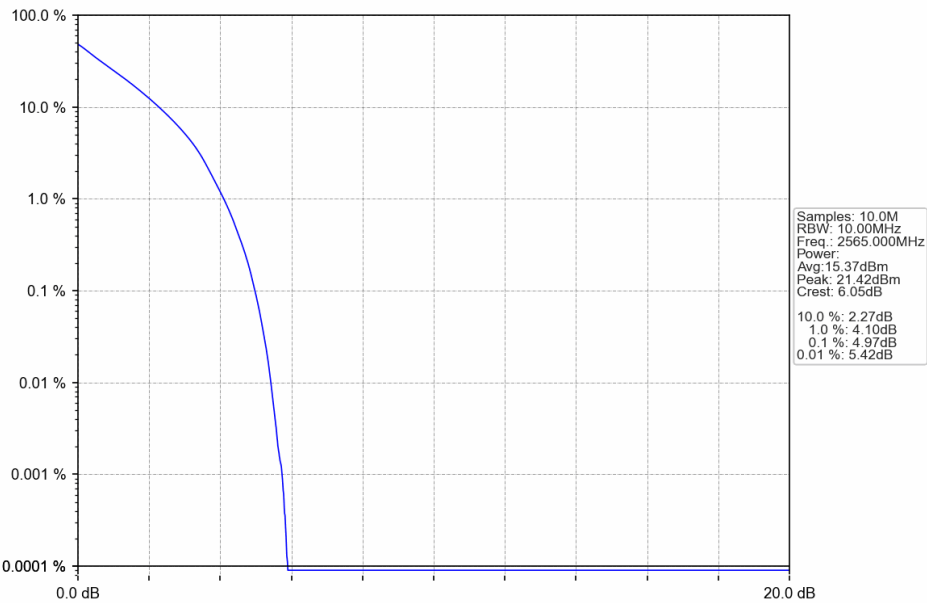
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



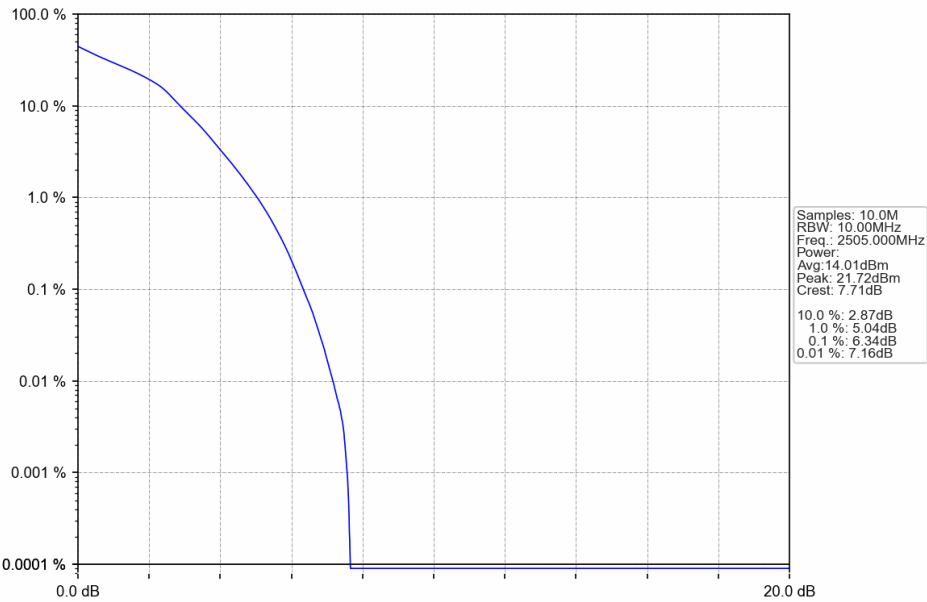
## 5.2.2 B7\_10MHz



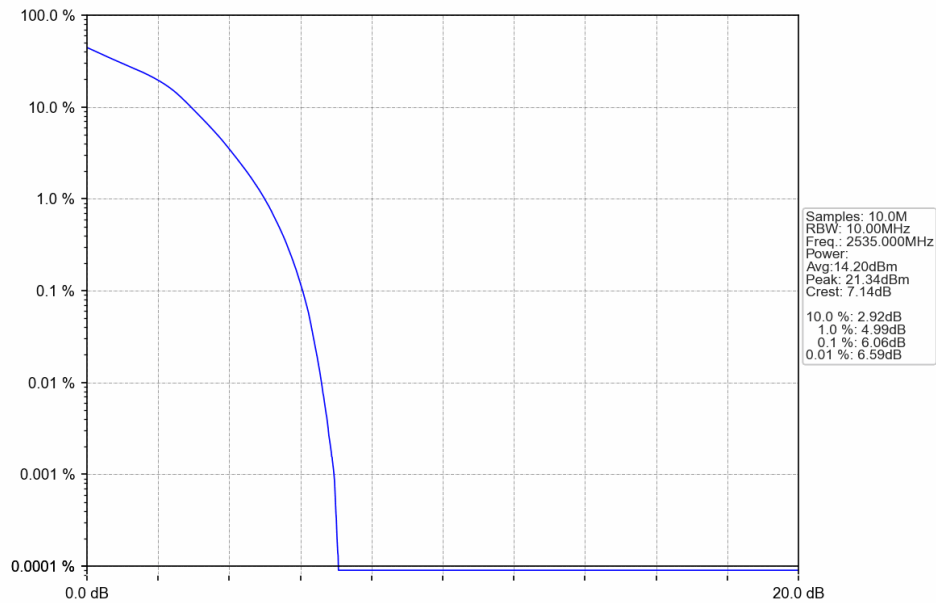
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



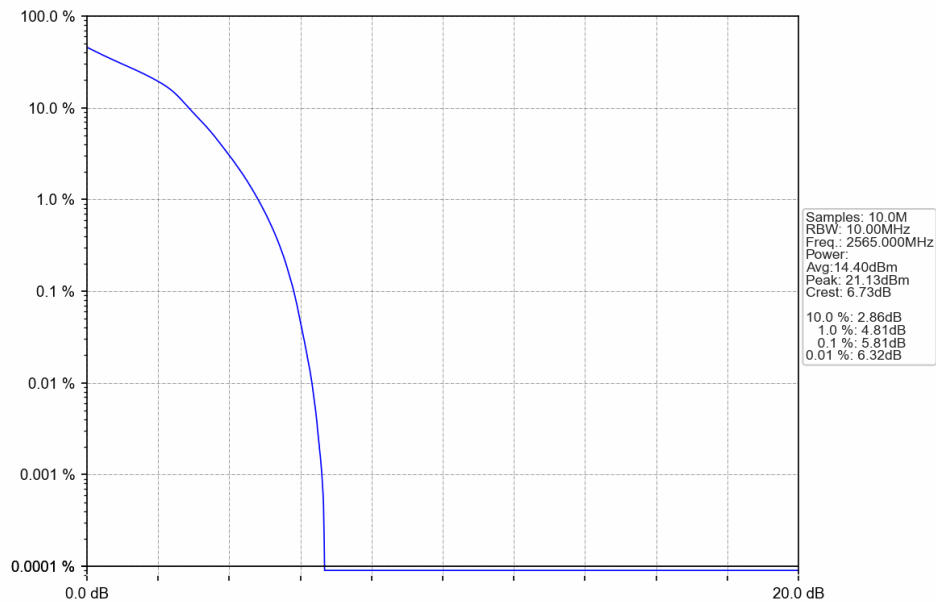
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



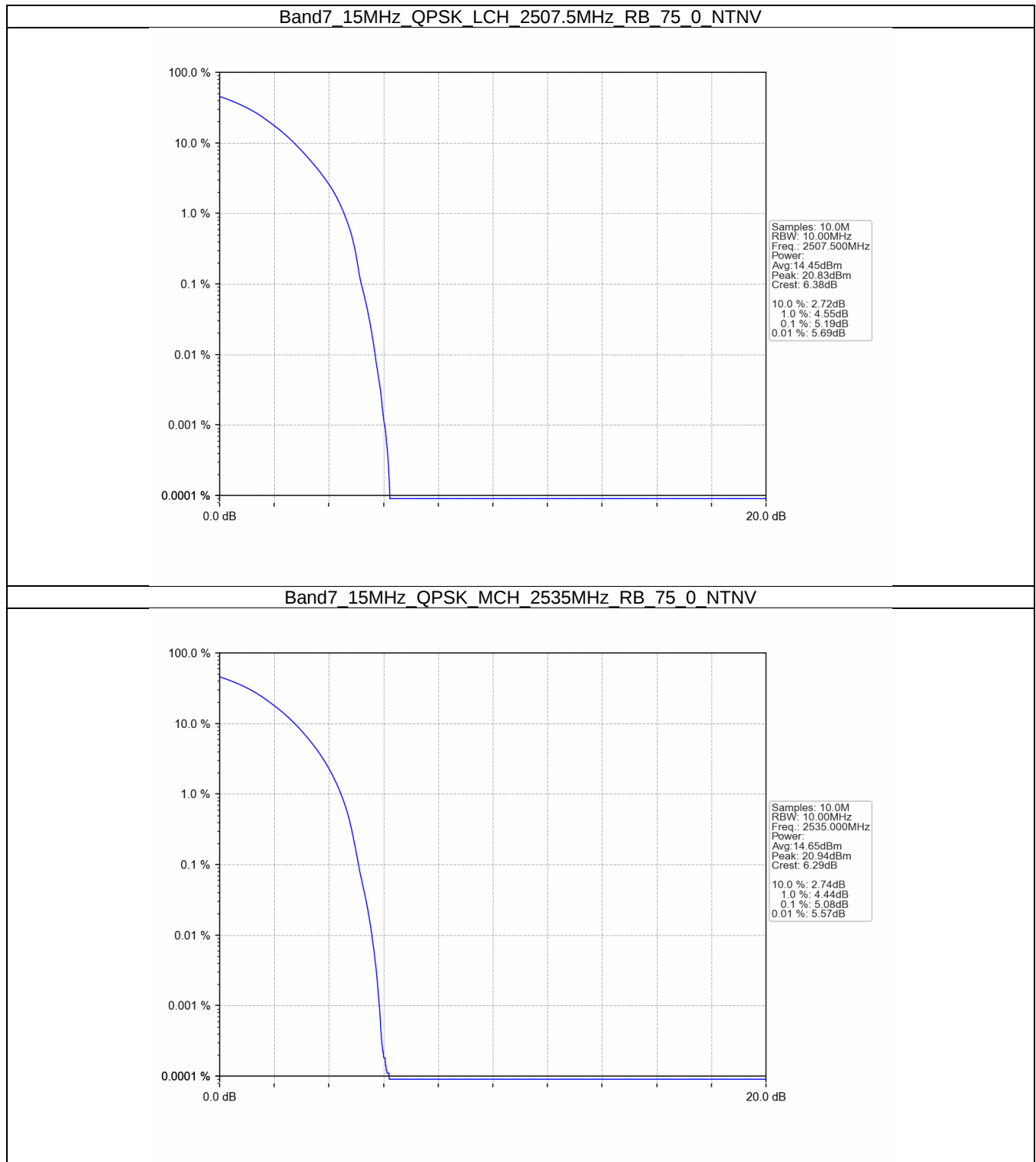
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



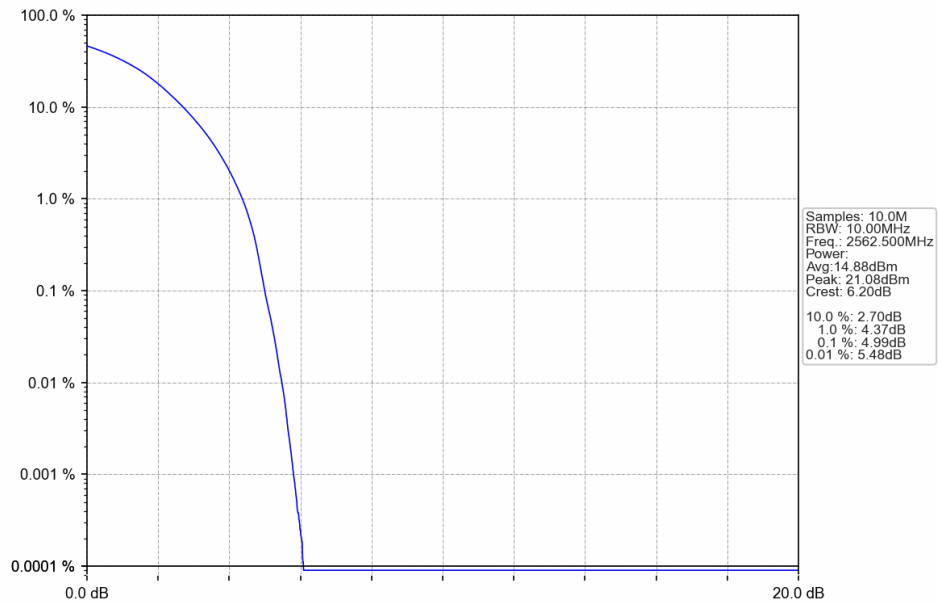
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



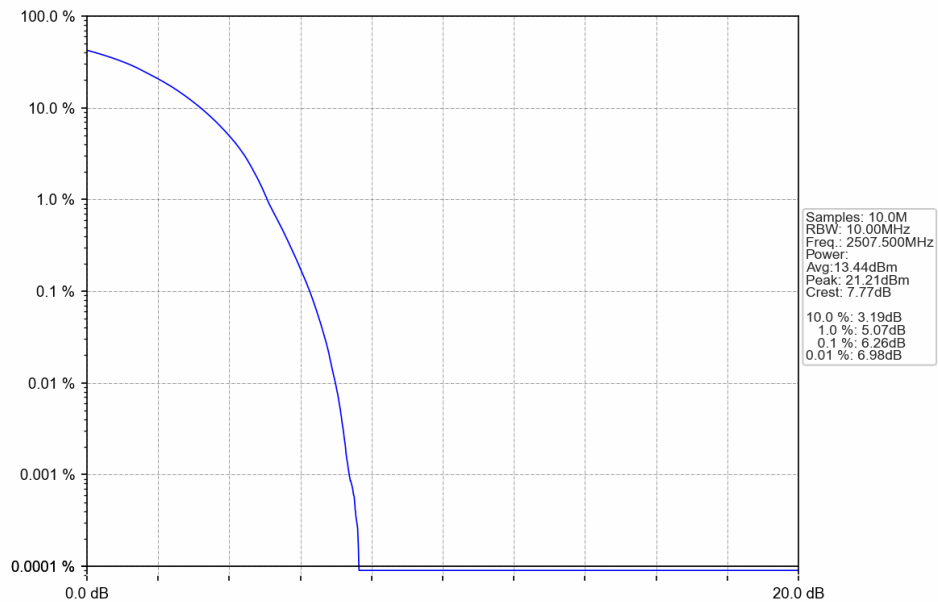
### 5.2.3 B7\_15MHz



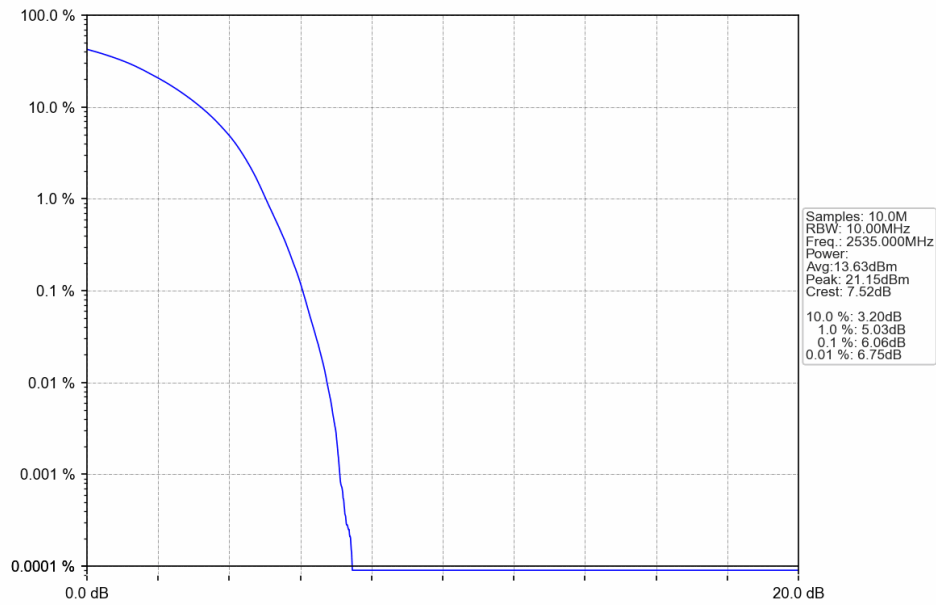
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



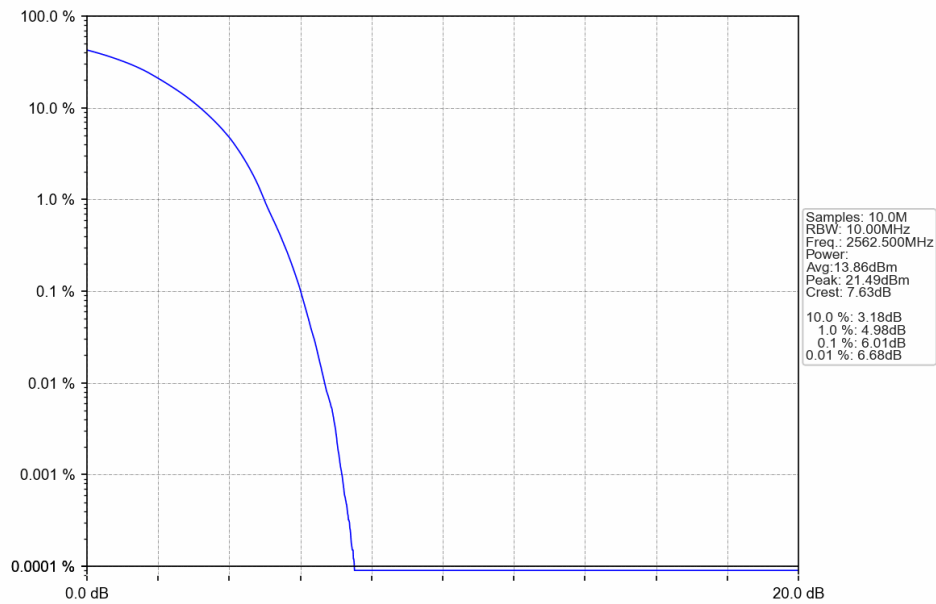
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



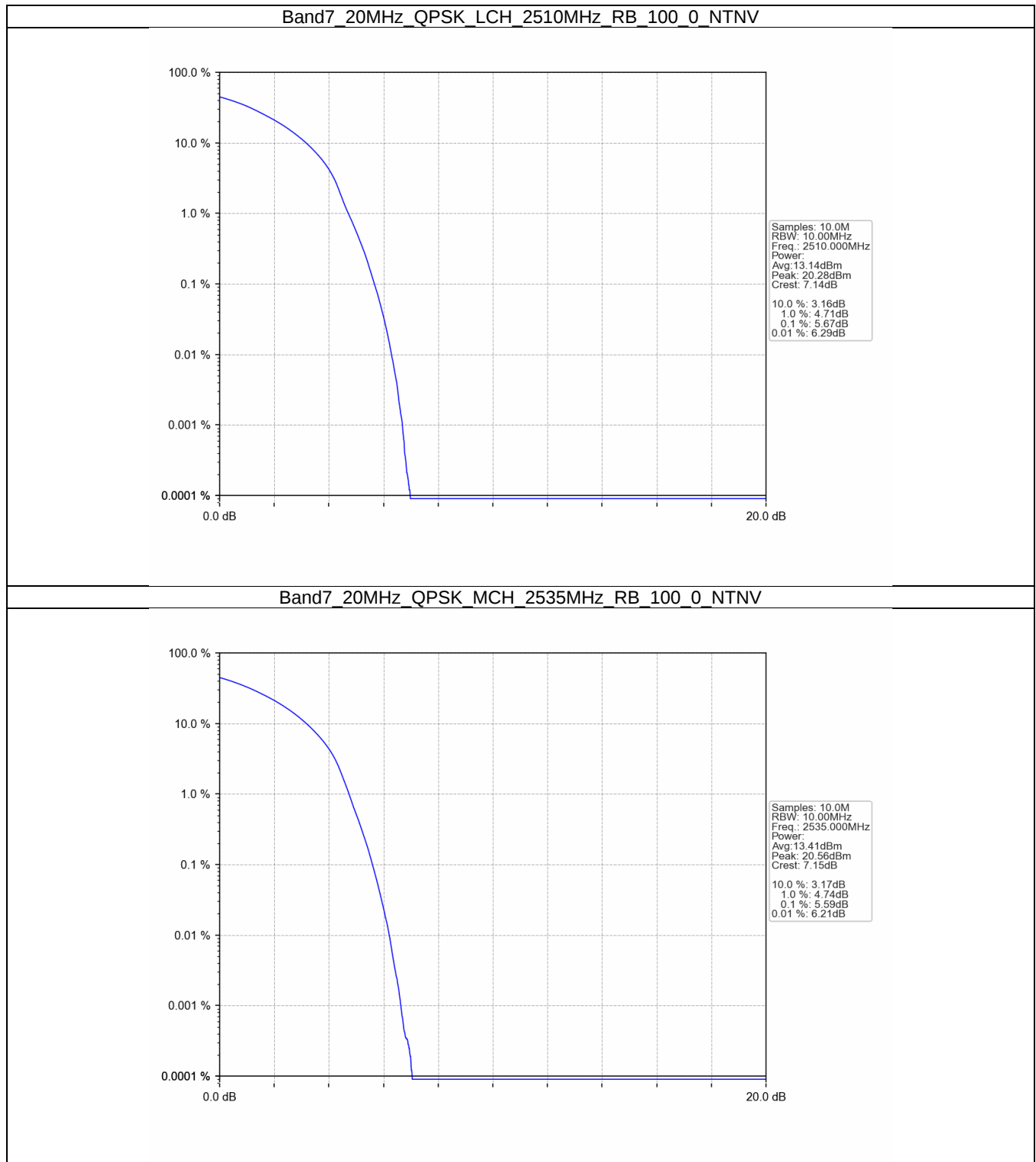
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



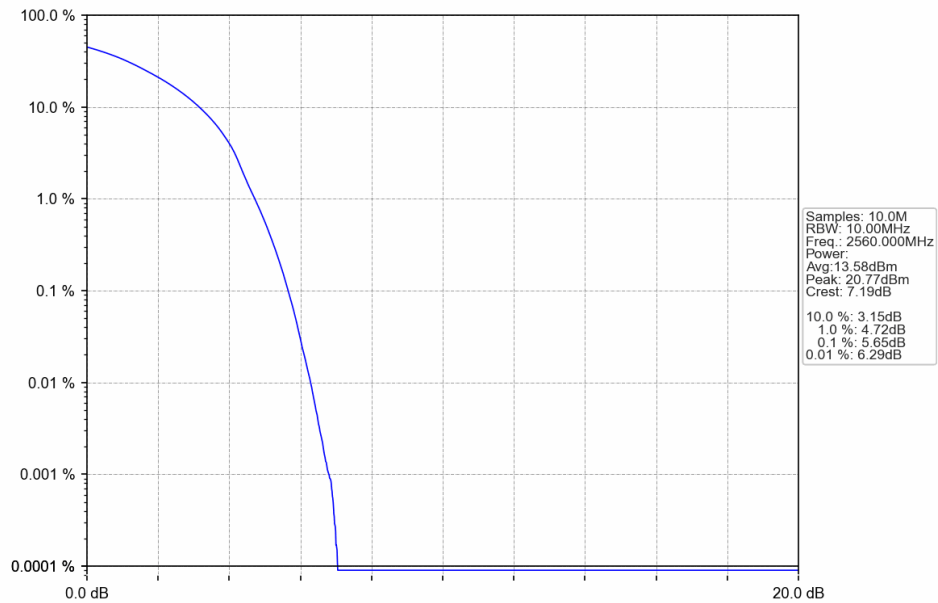
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



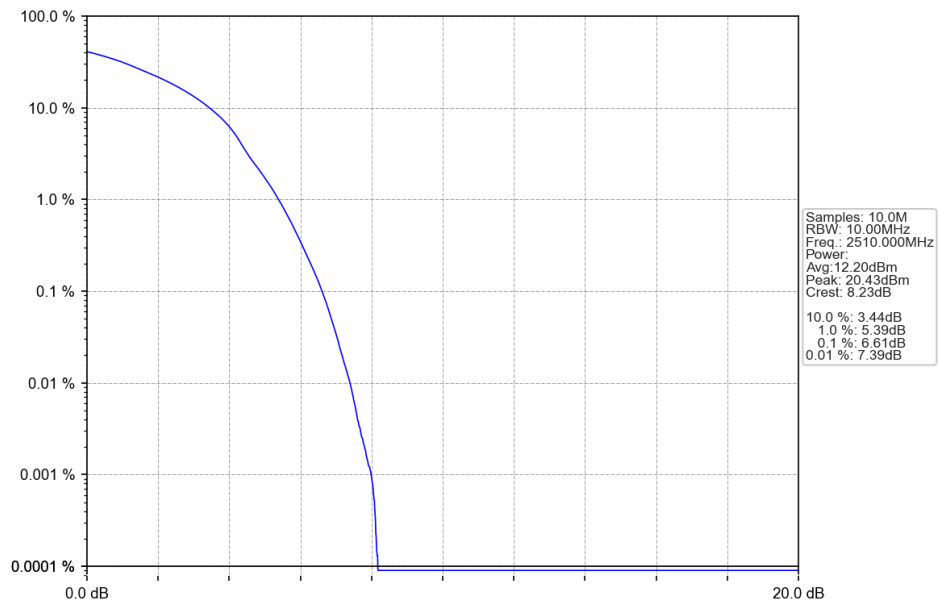
## 5.2.4 B7\_20MHz



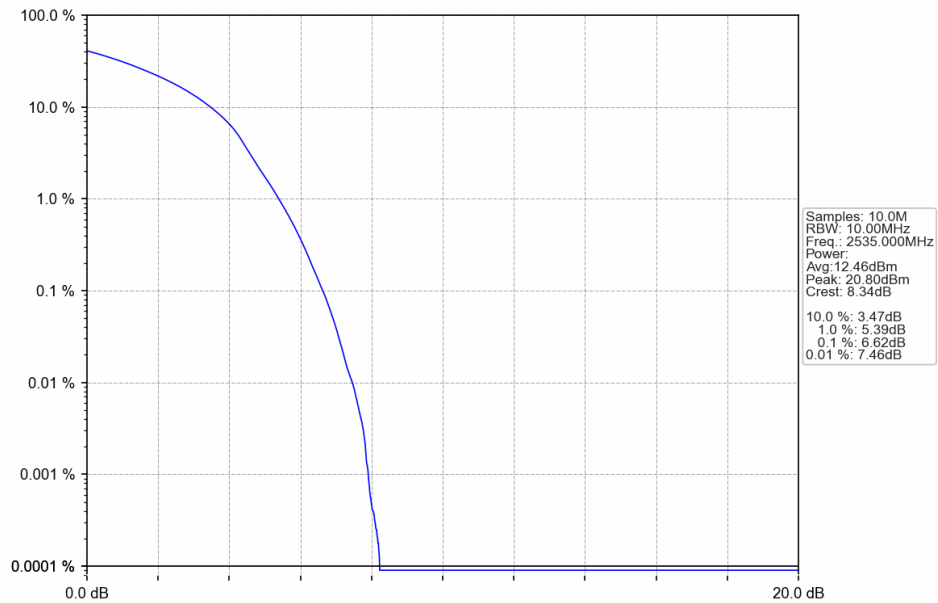
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



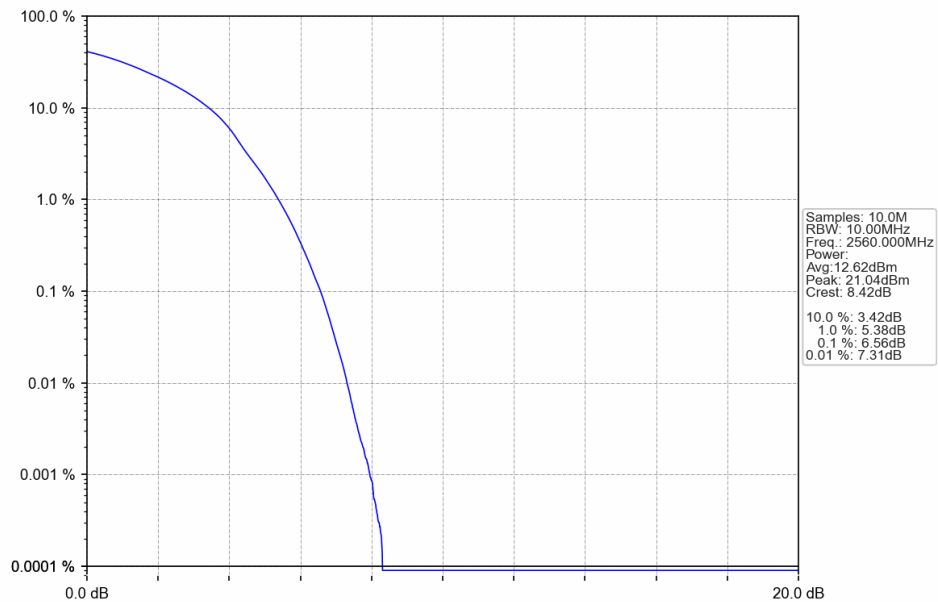
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (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    |
| 16QAM                            | 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    |

#### 6.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
| 16QAM                             | 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    |

#### 6.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | 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    |

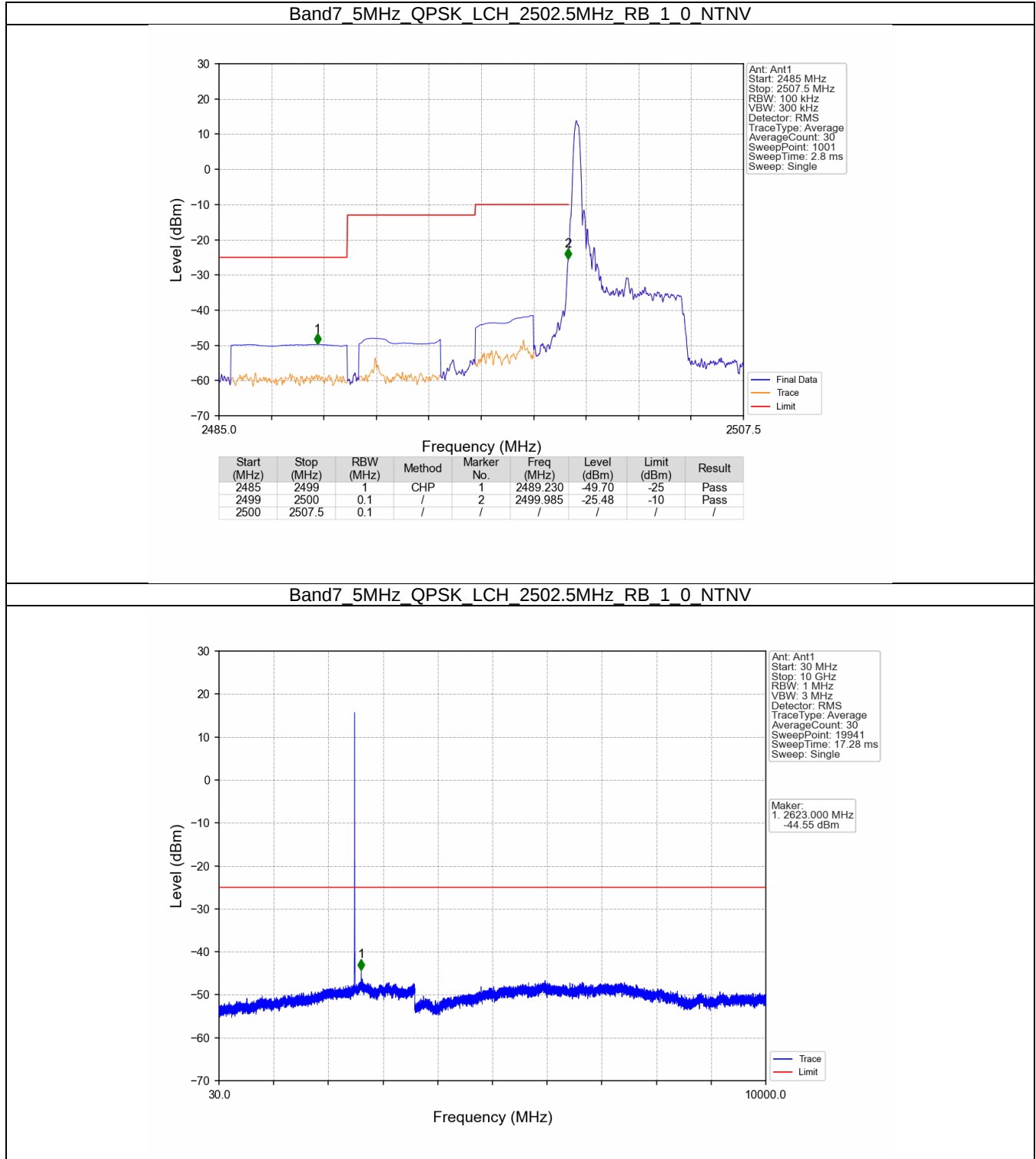
|       |        |    |    |                     |      |
|-------|--------|----|----|---------------------|------|
| 16QAM | 2507.5 | 1  | 0  | Refer To Test Graph | Pass |
|       |        | 75 | 0  | Refer To Test Graph | Pass |
|       | 2535   | 1  | 0  | Refer To Test Graph | Pass |
|       | 2562.5 | 1  | 0  | Refer To Test Graph | Pass |
|       |        |    | 74 | Refer To Test Graph | Pass |
|       |        | 75 | 0  | Refer To Test Graph | Pass |

#### 6.1.4 B7\_20MHz

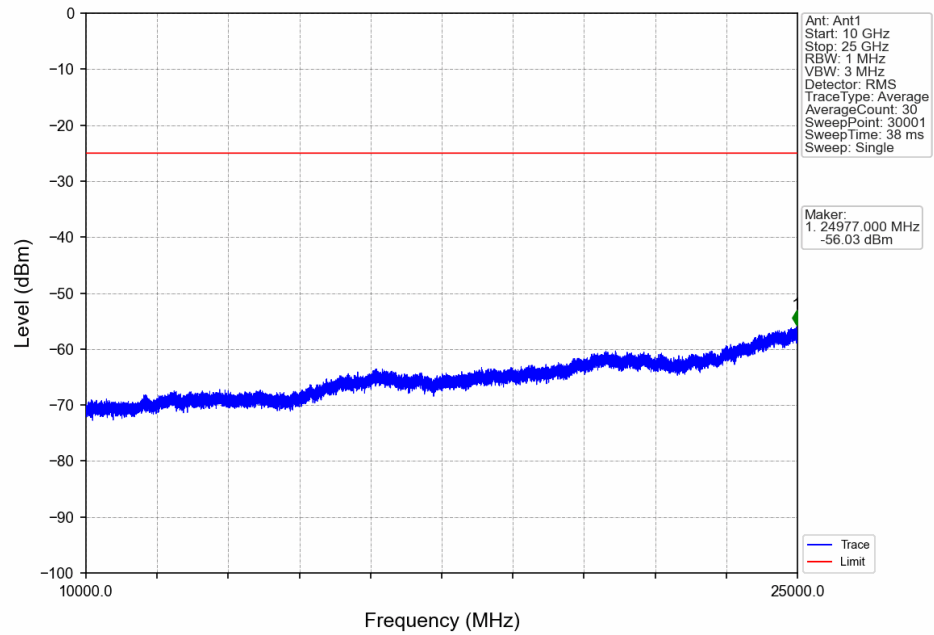
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2510            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2510            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

## 6.2 Test Graph

### 6.2.1 B7\_5MHz



Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV

