

## 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      | 23.05                 | 2.06       | 25.11      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.28                 | 2.06       | 25.34      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.21                 | 2.06       | 25.27      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.17                 | 2.06       | 24.23      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.21                 | 2.06       | 24.27      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.14                 | 2.06       | 24.20      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.18                 | 2.06       | 24.24      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.89                 | 2.06       | 24.95      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.03                 | 2.06       | 25.09      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.94                 | 2.06       | 25.00      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.97                 | 2.06       | 24.03      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.02                 | 2.06       | 24.08      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.97                 | 2.06       | 24.03      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.00                 | 2.06       | 24.06      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 23.12                 | 2.06       | 25.18      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.32                 | 2.06       | 25.38      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.20                 | 2.06       | 25.26      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.18                 | 2.06       | 24.24      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.19                 | 2.06       | 24.25      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.13                 | 2.06       | 24.19      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.12                 | 2.06       | 24.18      | <=33.01 | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | 22.27                 | 2.06       | 24.33      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.36                 | 2.06       | 24.42      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.92                 | 2.06       | 23.98      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.69                 | 2.06       | 22.75      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.73                 | 2.06       | 22.79      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.63                 | 2.06       | 22.69      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.74                 | 2.06       | 22.80      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.09                 | 2.06       | 24.15      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.25                 | 2.06       | 24.31      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.13                 | 2.06       | 24.19      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.06                 | 2.06       | 23.12      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.10                 | 2.06       | 23.16      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.06                 | 2.06       | 23.12      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.07                 | 2.06       | 23.13      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 22.31                 | 2.06       | 24.37      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.45                 | 2.06       | 24.51      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.31                 | 2.06       | 24.37      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.11                 | 2.06       | 23.17      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.15                 | 2.06       | 23.21      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.10                 | 2.06       | 23.16      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.18                 | 2.06       | 23.24      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.2 B7\_10MHz\_EIRP

|                                   |
|-----------------------------------|
| Band: 7 / Bandwidth: 10MHz / NTNV |
|-----------------------------------|

| Modulation | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
|            |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK       | 2505            | 1             | 0      | 22.65                 | 2.06       | 24.71      | <=33.01 | Pass    |
|            |                 |               | 25     | 22.82                 | 2.06       | 24.88      | <=33.01 | Pass    |
|            |                 |               | 49     | 22.89                 | 2.06       | 24.95      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 21.77                 | 2.06       | 23.83      | <=33.01 | Pass    |
|            |                 |               | 13     | 21.78                 | 2.06       | 23.84      | <=33.01 | Pass    |
|            |                 |               | 25     | 21.82                 | 2.06       | 23.88      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 21.84                 | 2.06       | 23.90      | <=33.01 | Pass    |
|            | 2535            | 1             | 0      | 22.98                 | 2.06       | 25.04      | <=33.01 | Pass    |
|            |                 |               | 25     | 23.03                 | 2.06       | 25.09      | <=33.01 | Pass    |
|            |                 |               | 49     | 23.07                 | 2.06       | 25.13      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 22.04                 | 2.06       | 24.10      | <=33.01 | Pass    |
|            |                 |               | 13     | 22.04                 | 2.06       | 24.10      | <=33.01 | Pass    |
|            |                 |               | 25     | 21.96                 | 2.06       | 24.02      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 22.06                 | 2.06       | 24.12      | <=33.01 | Pass    |
|            | 2565            | 1             | 0      | 23.22                 | 2.06       | 25.28      | <=33.01 | Pass    |
|            |                 |               | 25     | 23.32                 | 2.06       | 25.38      | <=33.01 | Pass    |
|            |                 |               | 49     | 23.39                 | 2.06       | 25.45      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 22.11                 | 2.06       | 24.17      | <=33.01 | Pass    |
|            |                 |               | 13     | 22.23                 | 2.06       | 24.29      | <=33.01 | Pass    |
|            |                 |               | 25     | 22.19                 | 2.06       | 24.25      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 22.18                 | 2.06       | 24.24      | <=33.01 | Pass    |
| 16QAM      | 2505            | 1             | 0      | 21.87                 | 2.06       | 23.93      | <=33.01 | Pass    |
|            |                 |               | 25     | 22.07                 | 2.06       | 24.13      | <=33.01 | Pass    |
|            |                 |               | 49     | 22.05                 | 2.06       | 24.11      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 20.84                 | 2.06       | 22.90      | <=33.01 | Pass    |
|            |                 |               | 13     | 20.87                 | 2.06       | 22.93      | <=33.01 | Pass    |
|            |                 |               | 25     | 20.88                 | 2.06       | 22.94      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 20.80                 | 2.06       | 22.86      | <=33.01 | Pass    |
|            | 2535            | 1             | 0      | 22.13                 | 2.06       | 24.19      | <=33.01 | Pass    |
|            |                 |               | 25     | 22.21                 | 2.06       | 24.27      | <=33.01 | Pass    |
|            |                 |               | 49     | 22.25                 | 2.06       | 24.31      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 21.09                 | 2.06       | 23.15      | <=33.01 | Pass    |
|            |                 |               | 13     | 21.10                 | 2.06       | 23.16      | <=33.01 | Pass    |
|            |                 |               | 25     | 21.06                 | 2.06       | 23.12      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 21.03                 | 2.06       | 23.09      | <=33.01 | Pass    |
|            | 2565            | 1             | 0      | 22.21                 | 2.06       | 24.27      | <=33.01 | Pass    |
|            |                 |               | 25     | 22.23                 | 2.06       | 24.29      | <=33.01 | Pass    |
|            |                 |               | 49     | 22.22                 | 2.06       | 24.28      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 21.20                 | 2.06       | 23.26      | <=33.01 | Pass    |
|            |                 |               | 13     | 21.30                 | 2.06       | 23.36      | <=33.01 | Pass    |
|            |                 |               | 25     | 21.27                 | 2.06       | 23.33      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 21.18                 | 2.06       | 23.24      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2507.5          | 1             | 0      | 22.61                 | 2.06       | 24.67      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.90                 | 2.06       | 24.96      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.88                 | 2.06       | 24.94      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.78                 | 2.06       | 23.84      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.78                 | 2.06       | 23.84      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.80                 | 2.06       | 23.86      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 2535   | 75 | 0  | 21.85 | 2.06 | 23.91 | <=33.01 | Pass |
|       |        | 1  | 0  | 22.88 | 2.06 | 24.94 | <=33.01 | Pass |
|       |        |    | 38 | 23.05 | 2.06 | 25.11 | <=33.01 | Pass |
|       |        |    | 74 | 23.06 | 2.06 | 25.12 | <=33.01 | Pass |
|       |        | 36 | 0  | 22.03 | 2.06 | 24.09 | <=33.01 | Pass |
|       |        |    | 18 | 22.10 | 2.06 | 24.16 | <=33.01 | Pass |
|       |        |    | 39 | 22.01 | 2.06 | 24.07 | <=33.01 | Pass |
|       |        | 75 | 0  | 22.10 | 2.06 | 24.16 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 23.04 | 2.06 | 25.10 | <=33.01 | Pass |
|       |        |    | 38 | 23.26 | 2.06 | 25.32 | <=33.01 | Pass |
|       |        |    | 74 | 23.21 | 2.06 | 25.27 | <=33.01 | Pass |
|       |        | 36 | 0  | 22.19 | 2.06 | 24.25 | <=33.01 | Pass |
|       |        |    | 18 | 22.30 | 2.06 | 24.36 | <=33.01 | Pass |
|       |        |    | 39 | 22.29 | 2.06 | 24.35 | <=33.01 | Pass |
|       |        | 75 | 0  | 22.25 | 2.06 | 24.31 | <=33.01 | Pass |
|       | 2507.5 | 1  | 0  | 21.69 | 2.06 | 23.75 | <=33.01 | Pass |
|       |        |    | 38 | 21.93 | 2.06 | 23.99 | <=33.01 | Pass |
|       |        |    | 74 | 21.87 | 2.06 | 23.93 | <=33.01 | Pass |
|       |        | 36 | 0  | 20.74 | 2.06 | 22.80 | <=33.01 | Pass |
|       |        |    | 18 | 20.83 | 2.06 | 22.89 | <=33.01 | Pass |
|       |        |    | 39 | 20.86 | 2.06 | 22.92 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.83 | 2.06 | 22.89 | <=33.01 | Pass |
|       | 2535   | 1  | 0  | 22.02 | 2.06 | 24.08 | <=33.01 | Pass |
|       |        |    | 38 | 22.24 | 2.06 | 24.30 | <=33.01 | Pass |
|       |        |    | 74 | 22.25 | 2.06 | 24.31 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.05 | 2.06 | 23.11 | <=33.01 | Pass |
|       |        |    | 18 | 21.09 | 2.06 | 23.15 | <=33.01 | Pass |
|       |        |    | 39 | 21.02 | 2.06 | 23.08 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.06 | 2.06 | 23.12 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 22.44 | 2.06 | 24.50 | <=33.01 | Pass |
|       |        |    | 38 | 22.60 | 2.06 | 24.66 | <=33.01 | Pass |
|       |        |    | 74 | 22.41 | 2.06 | 24.47 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.15 | 2.06 | 23.21 | <=33.01 | Pass |
|       |        |    | 18 | 21.24 | 2.06 | 23.30 | <=33.01 | Pass |
|       |        |    | 39 | 21.23 | 2.06 | 23.29 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.22 | 2.06 | 23.28 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2510            | 1             | 0      | 22.43                 | 2.06       | 24.49      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.82                 | 2.06       | 24.88      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.87                 | 2.06       | 24.93      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.70                 | 2.06       | 23.76      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.85                 | 2.06       | 23.91      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.00                 | 2.06       | 24.06      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.82                 | 2.06       | 23.88      | <=33.01 | Pass    |
|                                   | 2535            | 1             | 0      | 22.83                 | 2.06       | 24.89      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.11                 | 2.06       | 25.17      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.09                 | 2.06       | 25.15      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.02                 | 2.06       | 24.08      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.07                 | 2.06       | 24.13      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.90                 | 2.06       | 23.96      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.97                 | 2.06       | 24.03      | <=33.01 | Pass    |

|                                          |       |       |       |       |       |         |         |         |         |      |
|------------------------------------------|-------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|                                          | 2560  | 1     | 0     | 22.94 | 2.06  | 25.00   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 23.27 | 2.06  | 25.33   | <=33.01 | Pass    |         |      |
|                                          |       |       | 99    | 23.18 | 2.06  | 25.24   | <=33.01 | Pass    |         |      |
|                                          |       | 50    | 0     | 22.04 | 2.06  | 24.10   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 22.25 | 2.06  | 24.31   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 22.21 | 2.06  | 24.27   | <=33.01 | Pass    |         |      |
|                                          |       | 100   | 0     | 22.12 | 2.06  | 24.18   | <=33.01 | Pass    |         |      |
|                                          |       | 16QAM | 2510  | 1     | 0     | 21.87   | 2.06    | 23.93   | <=33.01 | Pass |
|                                          |       |       |       |       | 50    | 22.23   | 2.06    | 24.29   | <=33.01 | Pass |
| 99                                       | 22.21 |       |       |       | 2.06  | 24.27   | <=33.01 | Pass    |         |      |
| 50                                       | 0     |       |       | 20.71 | 2.06  | 22.77   | <=33.01 | Pass    |         |      |
|                                          | 25    |       |       | 20.88 | 2.06  | 22.94   | <=33.01 | Pass    |         |      |
|                                          | 50    |       |       | 21.02 | 2.06  | 23.08   | <=33.01 | Pass    |         |      |
| 100                                      | 0     |       |       | 20.86 | 2.06  | 22.92   | <=33.01 | Pass    |         |      |
| 2535                                     | 1     |       |       | 0     | 21.98 | 2.06    | 24.04   | <=33.01 | Pass    |      |
|                                          |       |       |       | 50    | 22.29 | 2.06    | 24.35   | <=33.01 | Pass    |      |
|                                          |       |       | 99    | 22.23 | 2.06  | 24.29   | <=33.01 | Pass    |         |      |
|                                          | 50    |       | 0     | 21.06 | 2.06  | 23.12   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 21.09 | 2.06  | 23.15   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 20.91 | 2.06  | 22.97   | <=33.01 | Pass    |         |      |
|                                          | 100   |       | 0     | 21.01 | 2.06  | 23.07   | <=33.01 | Pass    |         |      |
|                                          | 2560  |       | 1     | 0     | 22.15 | 2.06    | 24.21   | <=33.01 | Pass    |      |
|                                          |       |       |       | 50    | 22.38 | 2.06    | 24.44   | <=33.01 | Pass    |      |
| 99                                       |       |       |       | 22.19 | 2.06  | 24.25   | <=33.01 | Pass    |         |      |
| 50                                       |       |       | 0     | 21.10 | 2.06  | 23.16   | <=33.01 | Pass    |         |      |
|                                          |       | 25    | 21.26 | 2.06  | 23.32 | <=33.01 | Pass    |         |         |      |
|                                          |       | 50    | 21.24 | 2.06  | 23.30 | <=33.01 | Pass    |         |         |      |
| 100                                      |       | 0     | 21.20 | 2.06  | 23.26 | <=33.01 | Pass    |         |         |      |
| 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          | 11.916           | 0.0048                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 4.964            | 0.0020                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 9.041            | 0.0036                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -0.901           | -0.0004               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -7.510           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 7.496            | 0.0030                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -11.430          | -0.0046               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 0.830            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 2.475            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -7.453           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 5.407            | 0.0022                | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | 3.27          | -6.394           | -0.0025               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -9.770           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 3.104            | 0.0012                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 4.349            | 0.0017                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 5.879            | 0.0023                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 7.281            | 0.0029                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
| 16QAM |        |    |   | 0   | 3.85 | 1.516   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 2.375   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -0.157  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -9.642  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 4.377   | 0.0017  | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | -0.358  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -6.924  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -12.531 | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -7.896  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -5.207  | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -1.130  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 6.094   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -2.160  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -4.921  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -7.825  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -1.917  | -0.0007 | -2.5 to 2.5 | Pass |
|       | 2502.5 | 25 | 0 | 20  | 3.27 | -6.766  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 2.346   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 10.171  | 0.0041  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -3.548  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -6.137  | -0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -8.984  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 1.960   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -6.623  | -0.0026 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 0.200   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -2.089  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -12.617 | -0.0050 | -2.5 to 2.5 | Pass |
|       | 2535   | 25 | 0 | 20  | 3.27 | -11.601 | -0.0046 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 0.529   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 4.721   | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -10.128 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -6.695  | -0.0026 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -6.294  | -0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -9.127  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 9.370   | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 15.306  | 0.0060  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -12.116 | -0.0048 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 6.022   | 0.0024  | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | -18.454 | -0.0072 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -9.542  | -0.0037 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -1.316  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -9.284  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 11.530  | 0.0045  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 0.544   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -1.359  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -9.785  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -7.925  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 1.044   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 12.789  | 0.0050  | -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          | -4.606           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.376           | -0.0013               | -2.5 to 2.5 | Pass    |

|       |      |    |   |     |      |         |         |             |      |
|-------|------|----|---|-----|------|---------|---------|-------------|------|
|       |      |    |   |     | 4.43 | -0.329  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -6.938  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 6.795   | 0.0027  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -2.146  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 3.033   | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -8.354  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -6.166  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 8.368   | 0.0033  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 4.392   | 0.0018  | -2.5 to 2.5 | Pass |
|       | 2535 | 50 | 0 | 20  | 3.27 | -8.240  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -5.493  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -5.336  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 2.546   | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -7.668  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -14.348 | -0.0057 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 0.901   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -3.076  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -2.718  | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -11.001 | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -7.067  | -0.0028 | -2.5 to 2.5 | Pass |
|       | 2565 | 50 | 0 | 20  | 3.27 | -0.658  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -5.937  | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -3.304  | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -2.189  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 2.618   | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -4.592  | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -4.420  | -0.0017 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -5.150  | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -2.589  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -5.450  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -0.601  | -0.0002 | -2.5 to 2.5 | Pass |
| 16QAM | 2505 | 50 | 0 | 20  | 3.27 | -8.168  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 1.044   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -3.705  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -6.609  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 6.366   | 0.0025  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -6.351  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 2.074   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 8.554   | 0.0034  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -9.241  | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -3.734  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -10.185 | -0.0041 | -2.5 to 2.5 | Pass |
|       | 2535 | 50 | 0 | 20  | 3.27 | 1.731   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 4.163   | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -0.043  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 6.623   | 0.0026  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -4.807  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -2.990  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -0.458  | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -3.290  | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 4.807   | 0.0019  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -5.822  | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 7.038   | 0.0028  | -2.5 to 2.5 | Pass |
|       | 2565 | 50 | 0 | 20  | 3.27 | -0.801  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -3.405  | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -1.159  | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -10.786 | -0.0042 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -3.176  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -2.832  | -0.0011 | -2.5 to 2.5 | Pass |



|  |  |  |  |    |      |         |         |             |      |
|--|--|--|--|----|------|---------|---------|-------------|------|
|  |  |  |  | 0  | 3.85 | -9.127  | -0.0036 | -2.5 to 2.5 | Pass |
|  |  |  |  | 10 | 3.85 | -5.164  | -0.0020 | -2.5 to 2.5 | Pass |
|  |  |  |  | 30 | 3.85 | -12.860 | -0.0050 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | -9.756  | -0.0038 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -4.292  | -0.0017 | -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          | 13.618           | 0.0054                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.422           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 2.661            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.286           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 0.358            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 4.864            | 0.0019                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 4.921            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 1.187            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 0.544            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 2.160            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 6.294            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 3.27          | -1.302           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.419           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.545           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.591            | 0.0014                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -4.363           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 5.136            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -1.931           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.723           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -10.414          | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.777           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -8.340           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            | 2562.5          | 75            | 0      | 20         | 3.27          | -0.901           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -8.225           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 8.368            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -9.670           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -12.946          | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.405           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.191           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.193           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -10.157          | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -0.243           | -0.0001               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2507.5          | 75            | 0      | 20         | 3.85          | -9.756           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.27          | 4.549            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.193           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 8.039            | 0.0032                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 6.208            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.592           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.649           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.119           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -2.689           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -1.488           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -7.081           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 3.27          | -10.643          | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -8.054           | -0.0032               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   |     | 4.43 | 3.819   | 0.0015  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -5.980  | -0.0024 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -10.929 | -0.0043 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -9.127  | -0.0036 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -0.114  | 0.0000  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 6.709   | 0.0026  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -8.283  | -0.0033 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 1.988   | 0.0008  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 2.618   | 0.0010  | -2.5 to 2.5 | Pass |
|  | 2562.5 | 75 | 0 | 20  | 3.27 | -4.377  | -0.0017 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 3.033   | 0.0012  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 4.706   | 0.0018  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -11.659 | -0.0045 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 0.257   | 0.0001  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -4.020  | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -5.822  | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 6.852   | 0.0027  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -0.544  | -0.0002 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -4.392  | -0.0017 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -5.765  | -0.0022 | -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          | 1.001            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.116           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.535           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.007           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.574           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.363           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 5.293            | 0.0021                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.749           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.086           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -1.931           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -2.975           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 100           | 0      | 20         | 3.27          | 9.570            | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.316           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.030           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -11.673          | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -2.475           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 1.273            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -10.414          | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.715            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.873           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.533           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -4.864           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            | 2560            | 100           | 0      | 20         | 3.27          | -2.089           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 4.792            | 0.0019                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 2.117            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -3.419           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.119           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.177           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.174            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -1.230           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -6.251           | -0.0024               | -2.5 to 2.5 | Pass    |



|       |      |     |   |     |      |         |         |             |             |
|-------|------|-----|---|-----|------|---------|---------|-------------|-------------|
|       |      |     |   | 40  | 3.85 | -11.144 | -0.0044 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 50  | 3.85 | 1.216   | 0.0005  | -2.5 to 2.5 | Pass        |
| 16QAM | 2510 | 100 | 0 | 20  | 3.27 | 3.161   | 0.0013  | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | 3.85 | -4.492  | -0.0018 | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | 4.43 | -9.184  | -0.0037 | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | -30  | 3.85    | -5.579  | -0.0022     | -2.5 to 2.5 |
|       |      |     |   | -20 | 3.85 | 1.445   | 0.0006  | -2.5 to 2.5 | Pass        |
|       |      |     |   | -10 | 3.85 | -10.257 | -0.0041 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 0   | 3.85 | -3.762  | -0.0015 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 10  | 3.85 | 3.848   | 0.0015  | -2.5 to 2.5 | Pass        |
|       |      |     |   | 30  | 3.85 | -3.433  | -0.0014 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 40  | 3.85 | -5.436  | -0.0022 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 50  | 3.85 | -4.392  | -0.0017 | -2.5 to 2.5 | Pass        |
|       | 2535 | 100 | 0 | 20  | 3.27 | -1.073  | -0.0004 | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | 3.85 | 3.648   | 0.0014  | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | 4.43 | -4.277  | -0.0017 | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | -30  | 3.85    | -10.200 | -0.0040     | -2.5 to 2.5 |
|       |      |     |   | -20 | 3.85 | -3.562  | -0.0014 | -2.5 to 2.5 | Pass        |
|       |      |     |   | -10 | 3.85 | -3.033  | -0.0012 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 0   | 3.85 | -5.908  | -0.0023 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 10  | 3.85 | -5.951  | -0.0023 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 30  | 3.85 | -0.973  | -0.0004 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 40  | 3.85 | -8.640  | -0.0034 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 50  | 3.85 | -4.764  | -0.0019 | -2.5 to 2.5 | Pass        |
|       | 2560 | 100 | 0 | 20  | 3.27 | -1.016  | -0.0004 | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | 3.85 | -6.080  | -0.0024 | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | 4.43 | 0.544   | 0.0002  | -2.5 to 2.5 | Pass        |
|       |      |     |   |     | -30  | 3.85    | -7.124  | -0.0028     | -2.5 to 2.5 |
|       |      |     |   | -20 | 3.85 | -5.407  | -0.0021 | -2.5 to 2.5 | Pass        |
|       |      |     |   | -10 | 3.85 | -2.503  | -0.0010 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 0   | 3.85 | 1.974   | 0.0008  | -2.5 to 2.5 | Pass        |
|       |      |     |   | 10  | 3.85 | -3.762  | -0.0015 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 30  | 3.85 | -4.506  | -0.0018 | -2.5 to 2.5 | Pass        |
|       |      |     |   | 40  | 3.85 | 2.875   | 0.0011  | -2.5 to 2.5 | Pass        |
|       |      |     |   | 50  | 3.85 | 3.819   | 0.0015  | -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 / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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

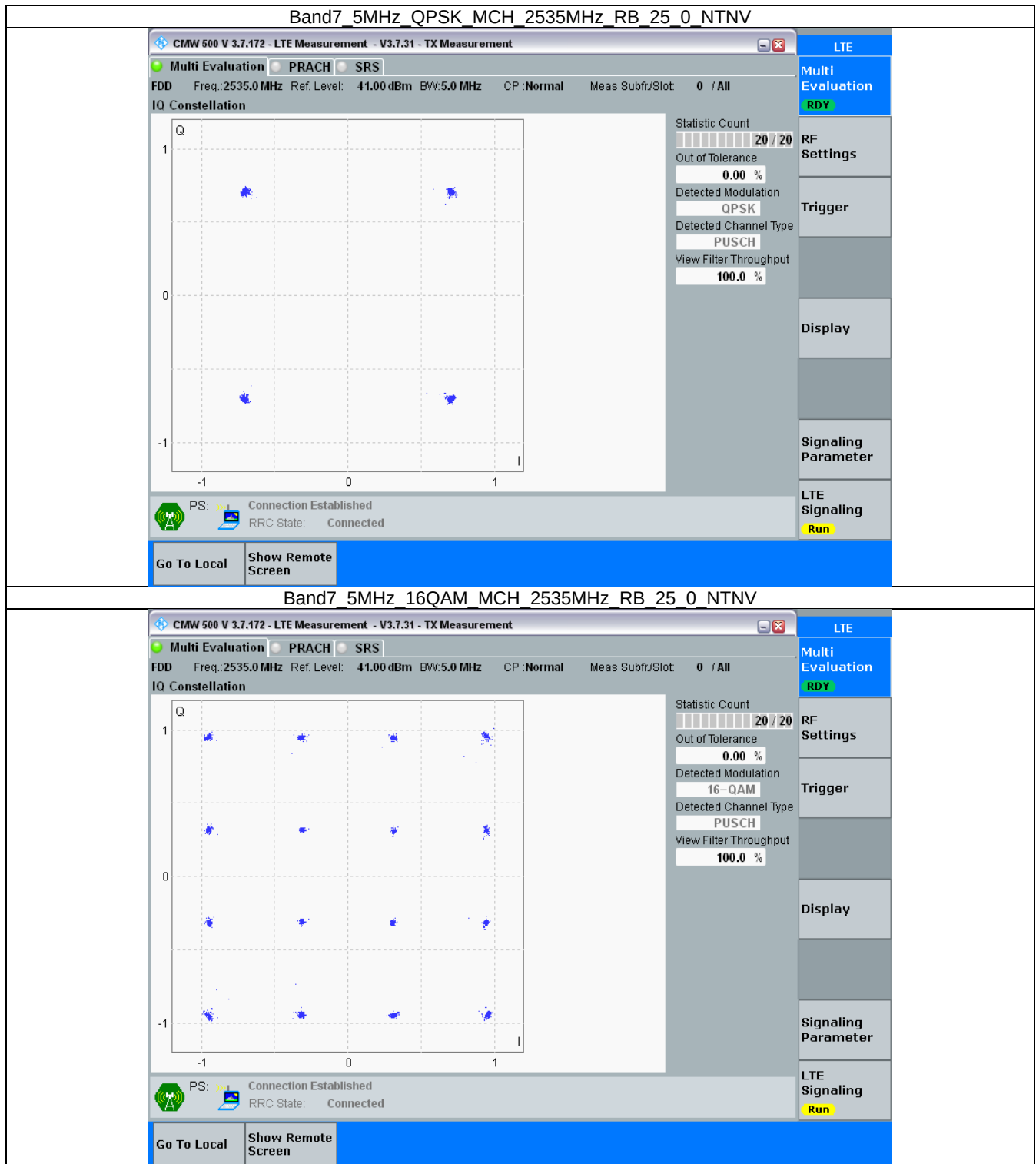
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (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

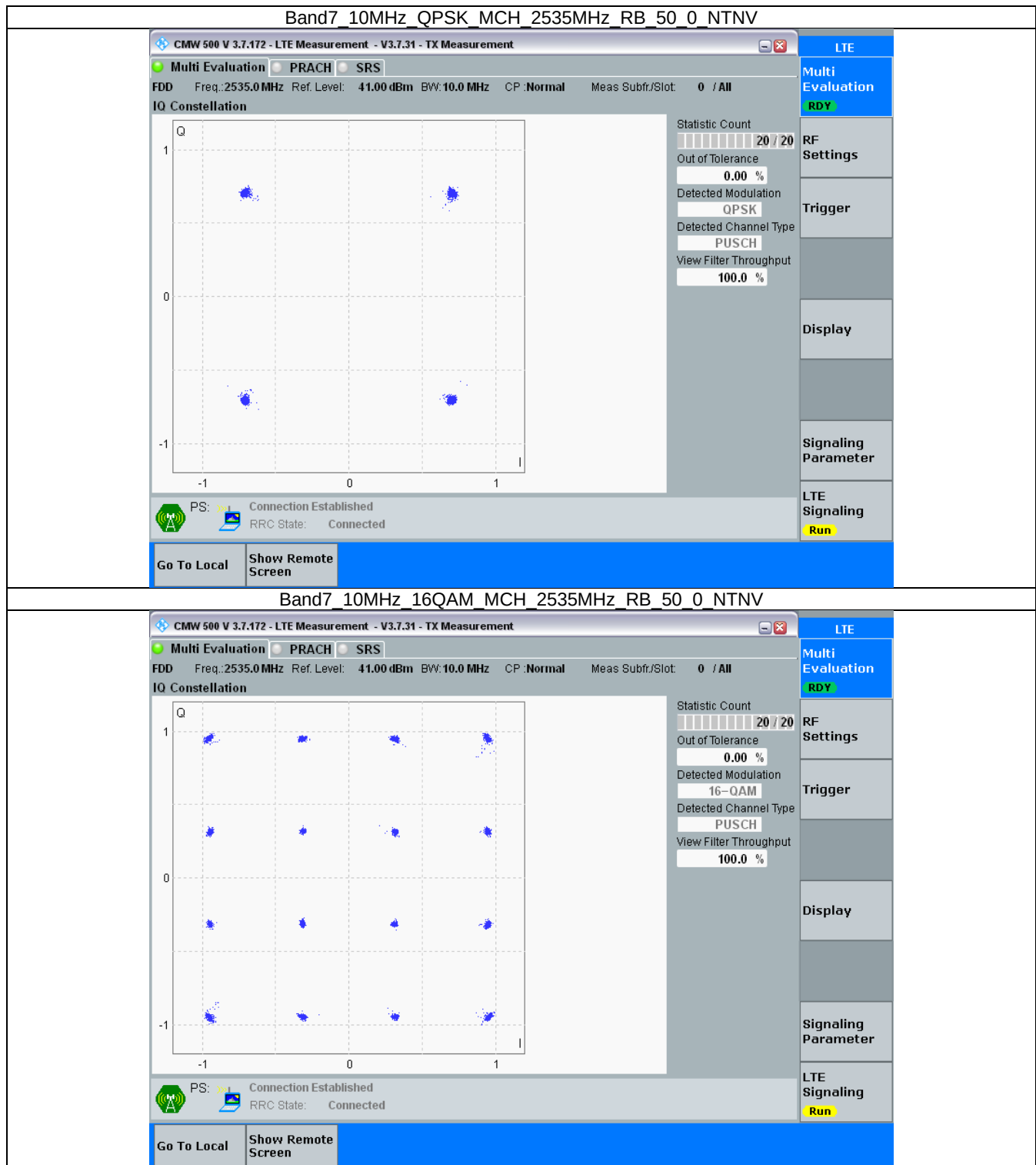
| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (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

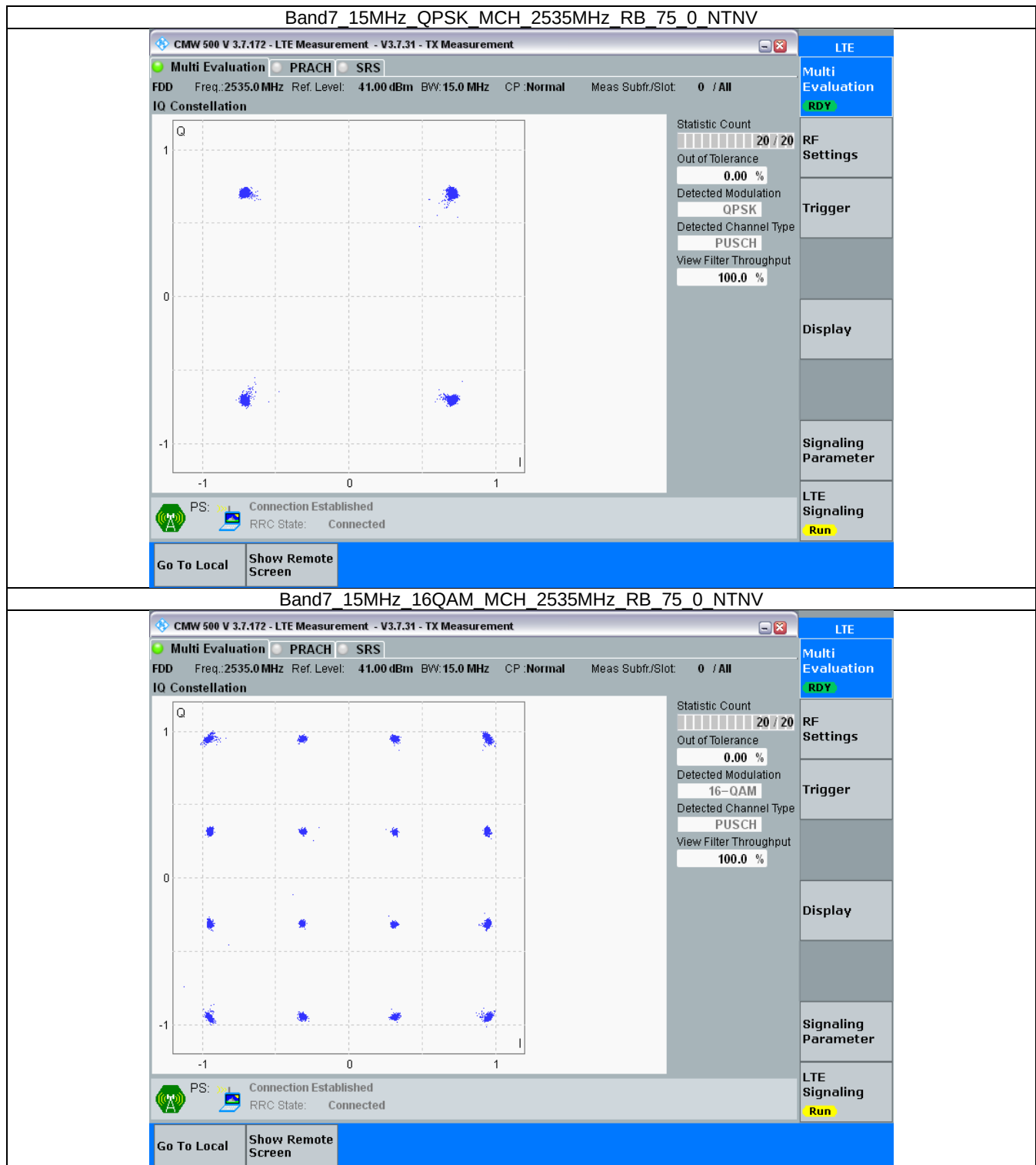
### 3.2.1 B7\_5MHz



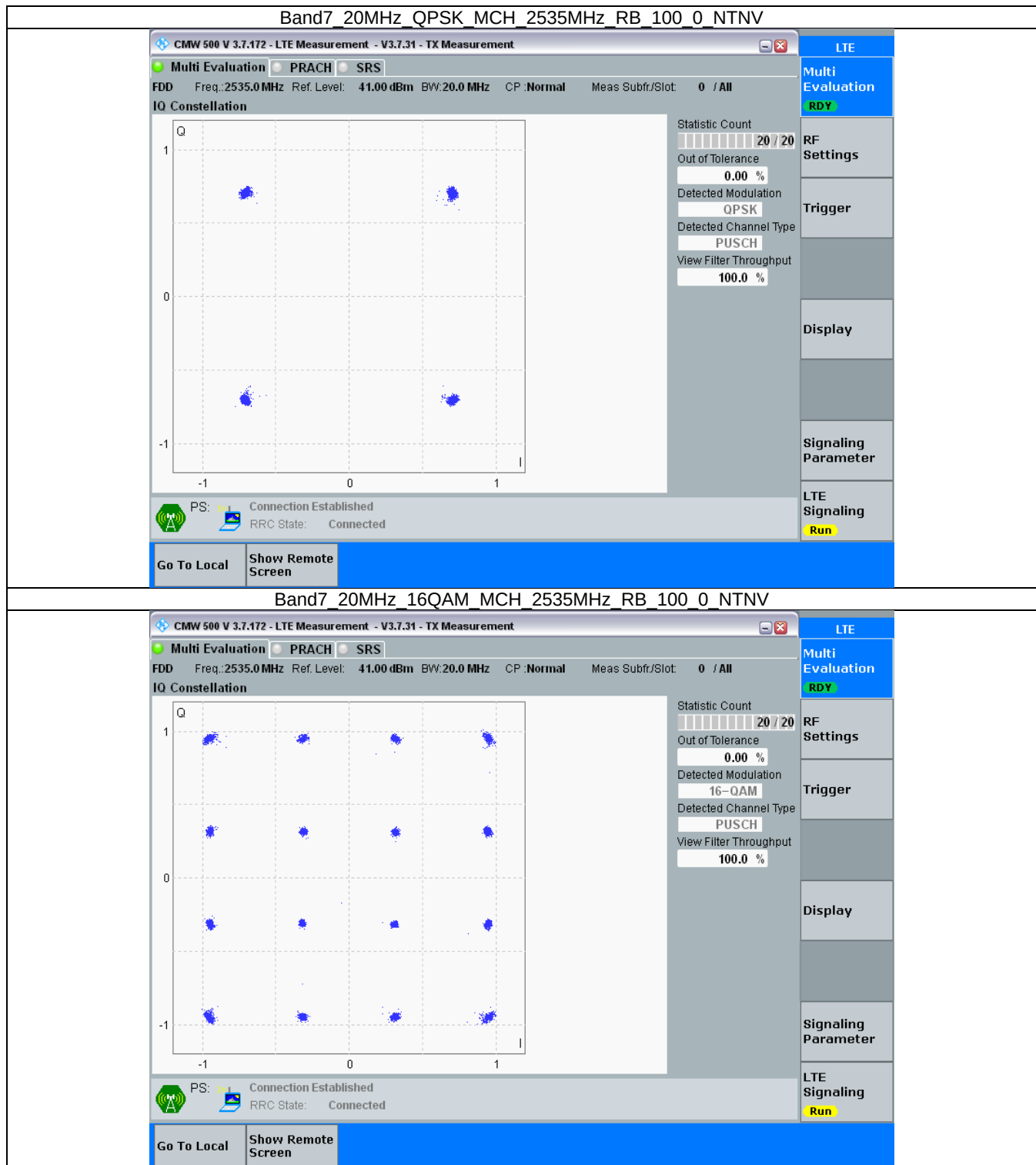
### 3.2.2 B7\_10MHz



### 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 / NTV   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.547                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.545                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.572                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.553                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.554                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.542                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.055                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.068                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.049                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.030                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.039                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.083                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.557                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.555                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.590                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.572                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.539                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.592                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 18.109                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.037                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.069                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 18.150                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.027                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.092                       | /     | Pass    |

#### 4.1.2 Band7\_XDB

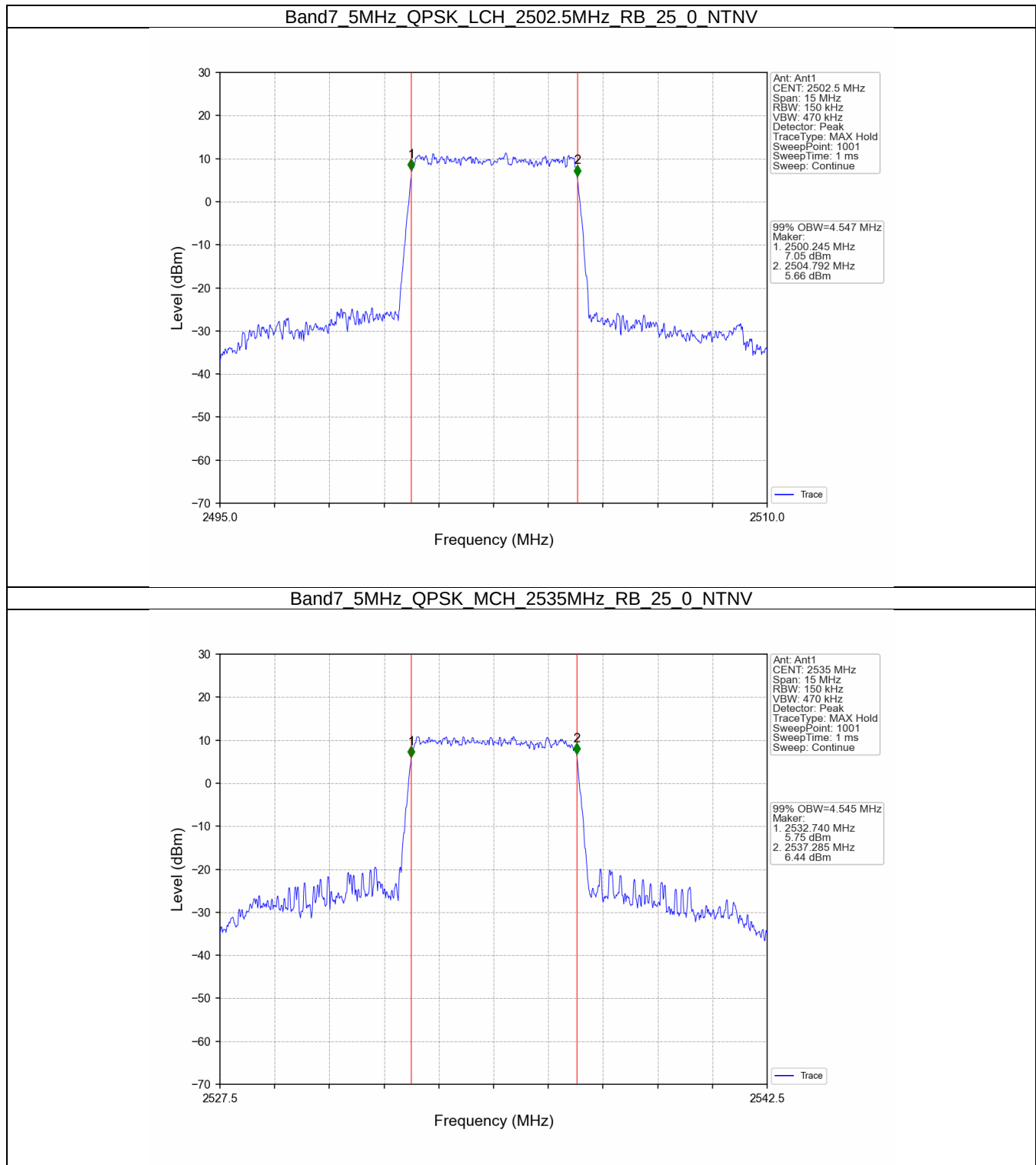
| Band: 7 / NTV   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.994                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.008                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.988                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 5.024                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.989                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.971                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.927                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.888                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.927                | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.842                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.882                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.897                | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 14.885               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.917               | /     | Pass    |

|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    | 16QAM | 2562.5 | 75  | 0 | 14.860 | / | Pass |
|    |       | 2507.5 | 75  | 0 | 14.933 | / | Pass |
|    |       | 2535   | 75  | 0 | 14.816 | / | Pass |
|    |       | 2562.5 | 75  | 0 | 15.020 | / | Pass |
| 20 | QPSK  | 2510   | 100 | 0 | 19.677 | / | Pass |
|    |       | 2535   | 100 | 0 | 19.765 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.669 | / | Pass |
|    | 16QAM | 2510   | 100 | 0 | 19.769 | / | Pass |
|    |       | 2535   | 100 | 0 | 19.472 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.718 | / | Pass |

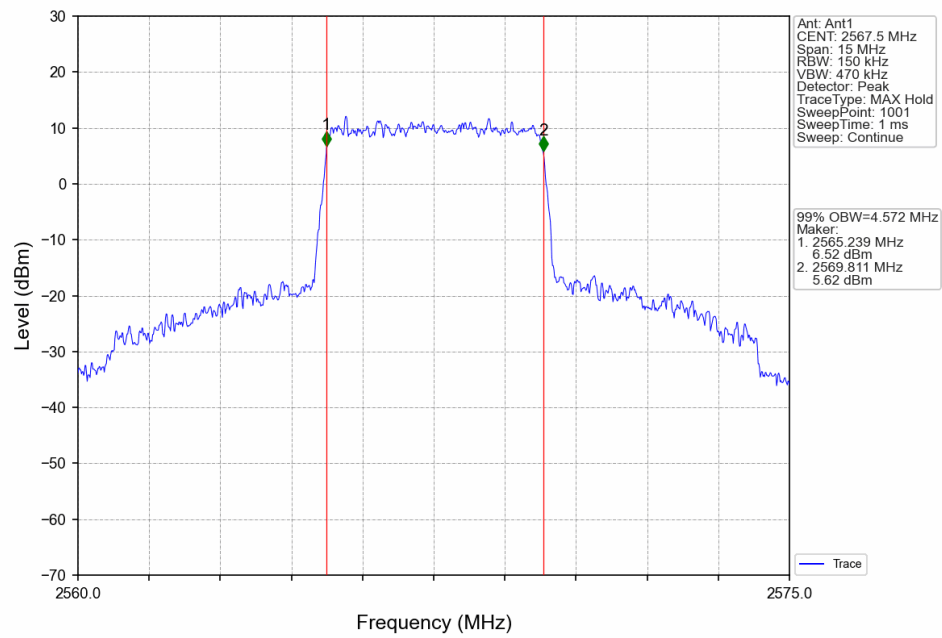


## 4.2 Test Graph

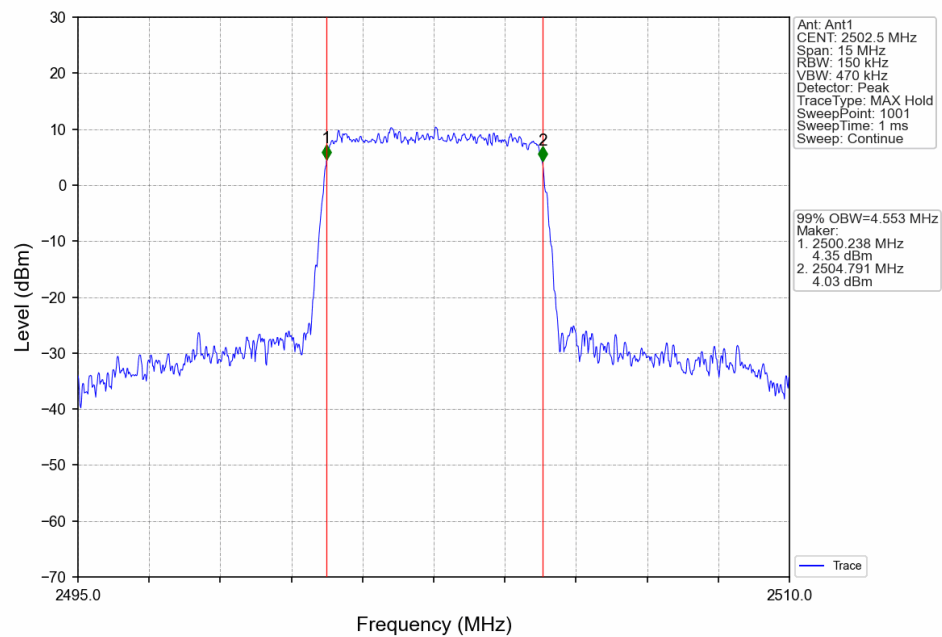
### 4.2.1 Band7\_OBW



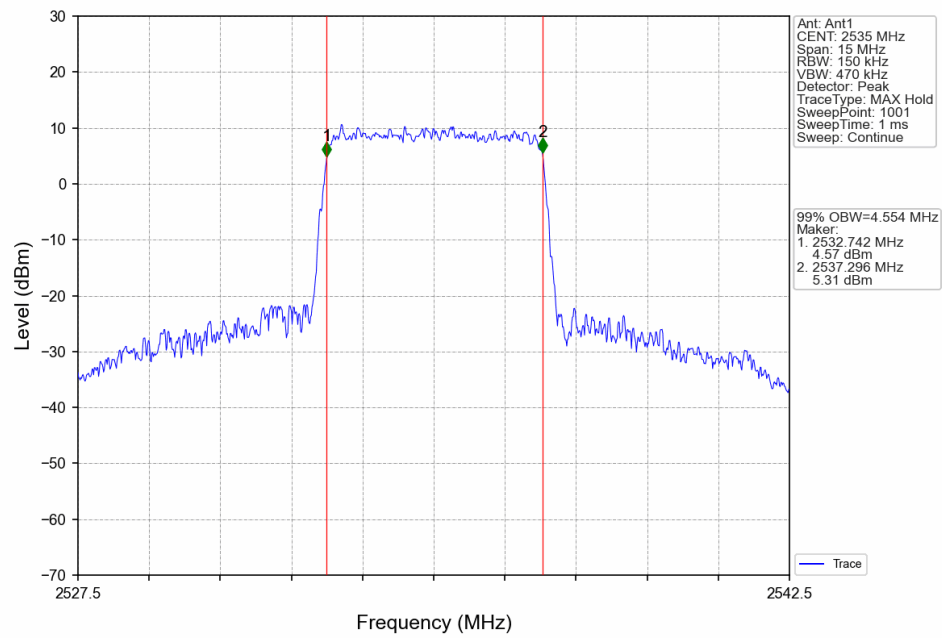
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



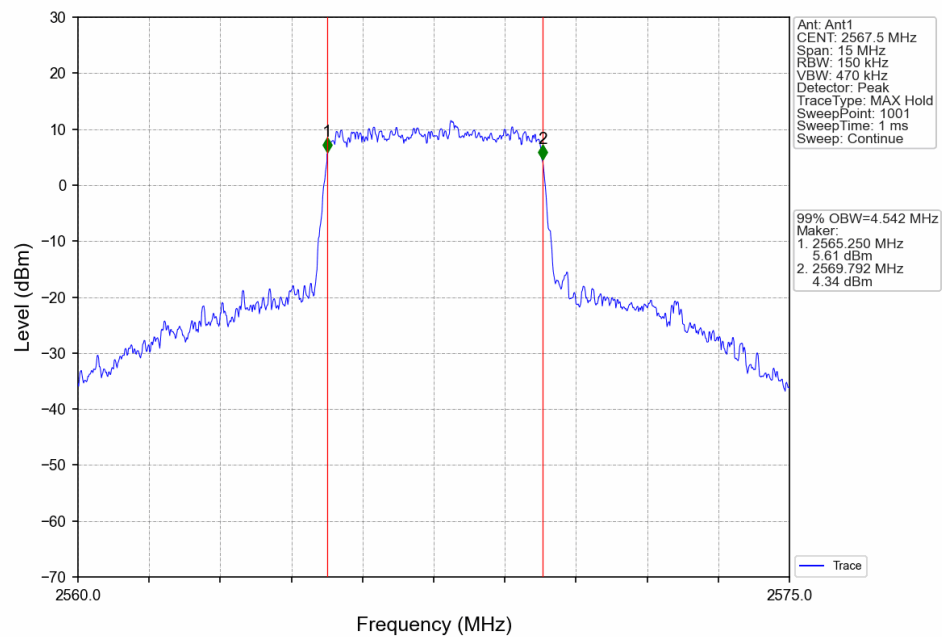
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



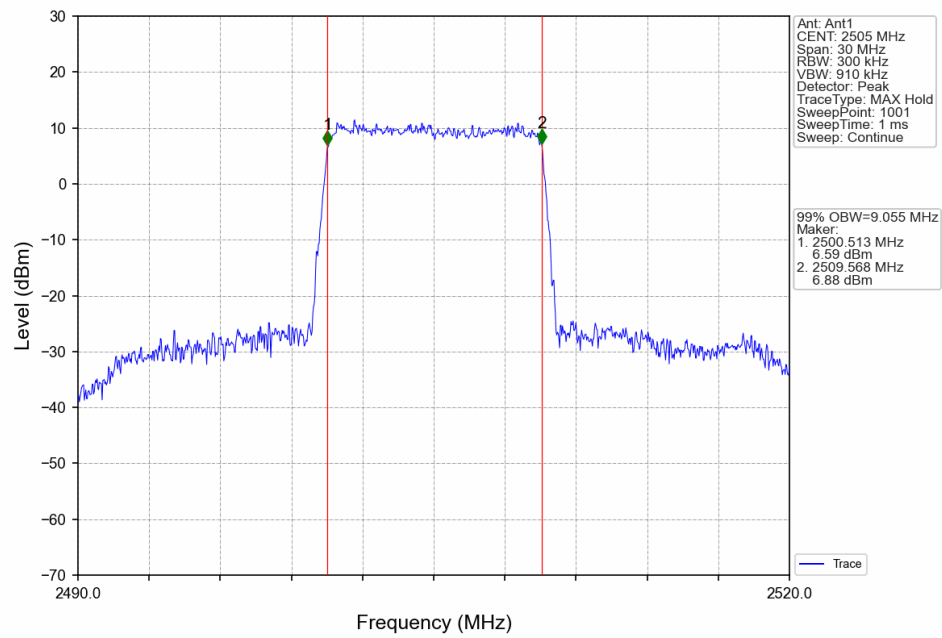
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



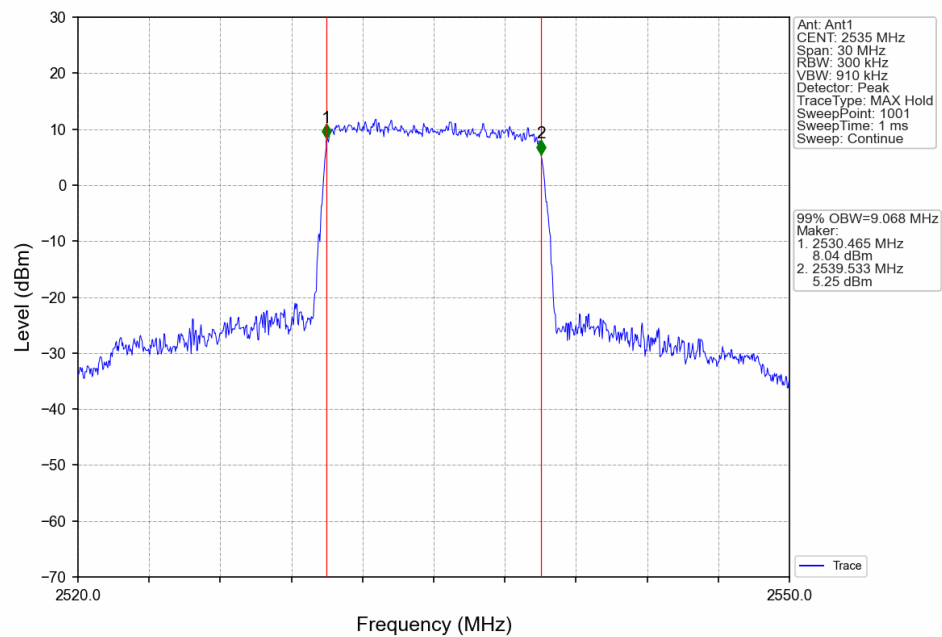
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



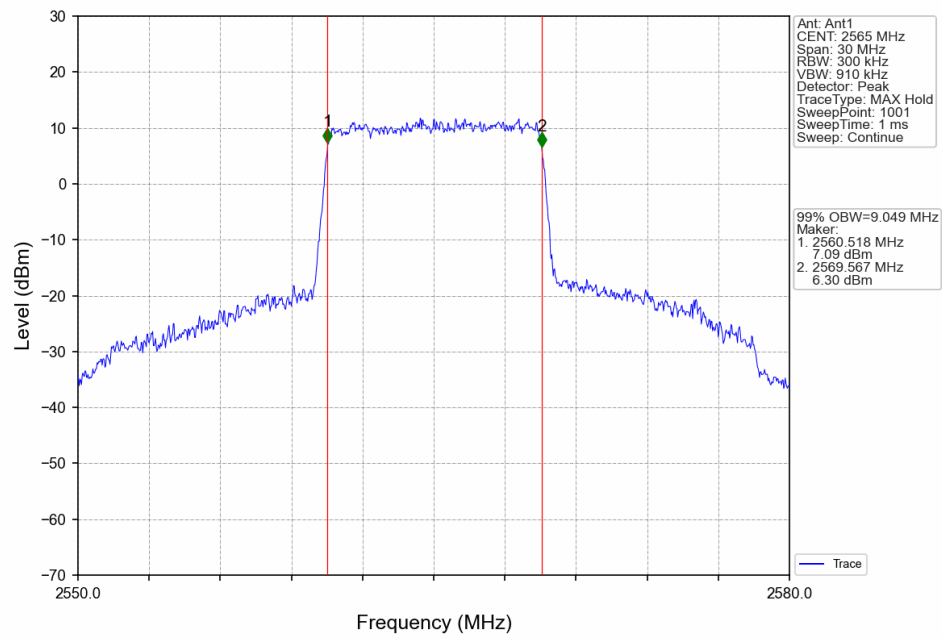
### Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



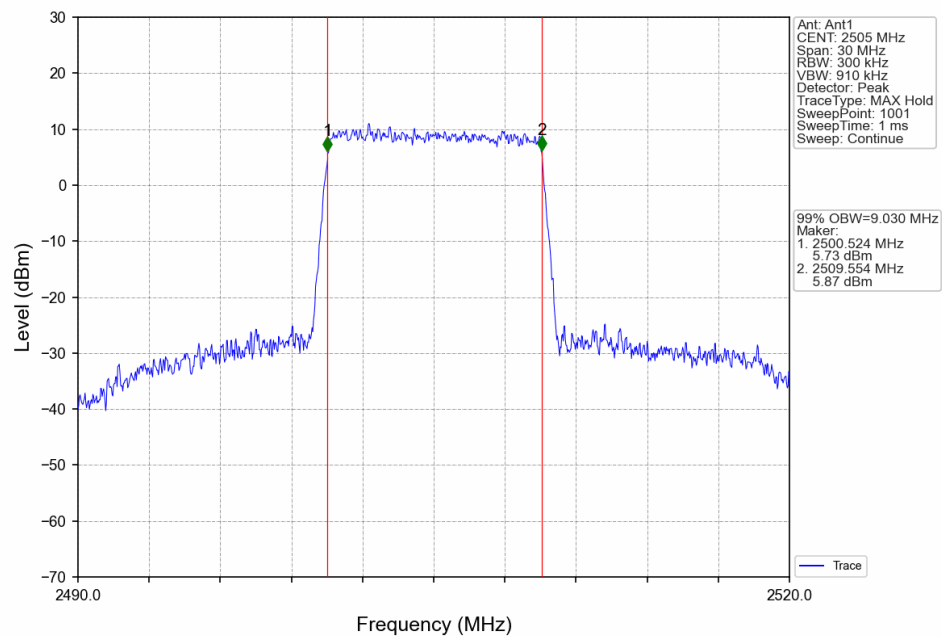
### Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



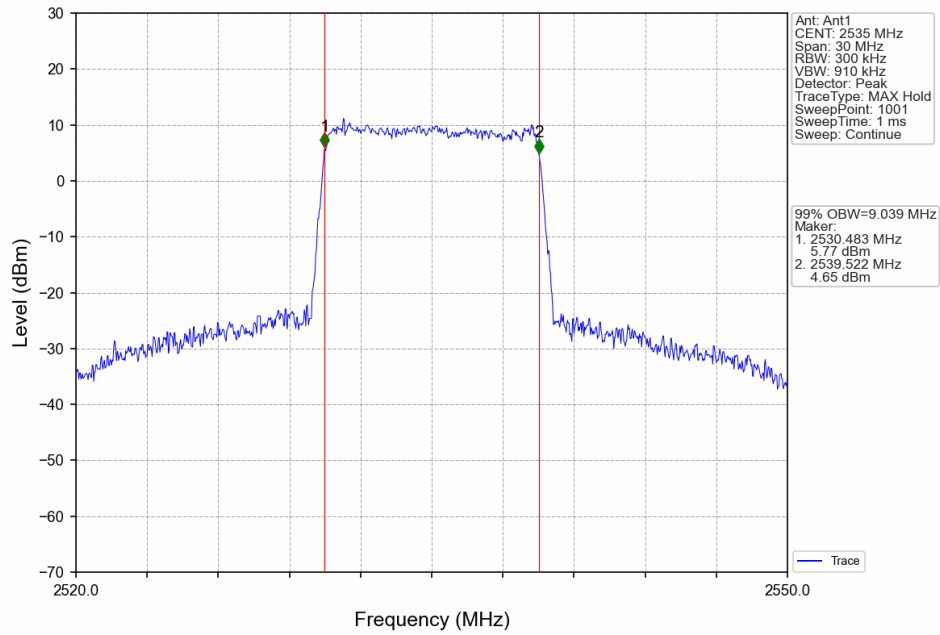
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



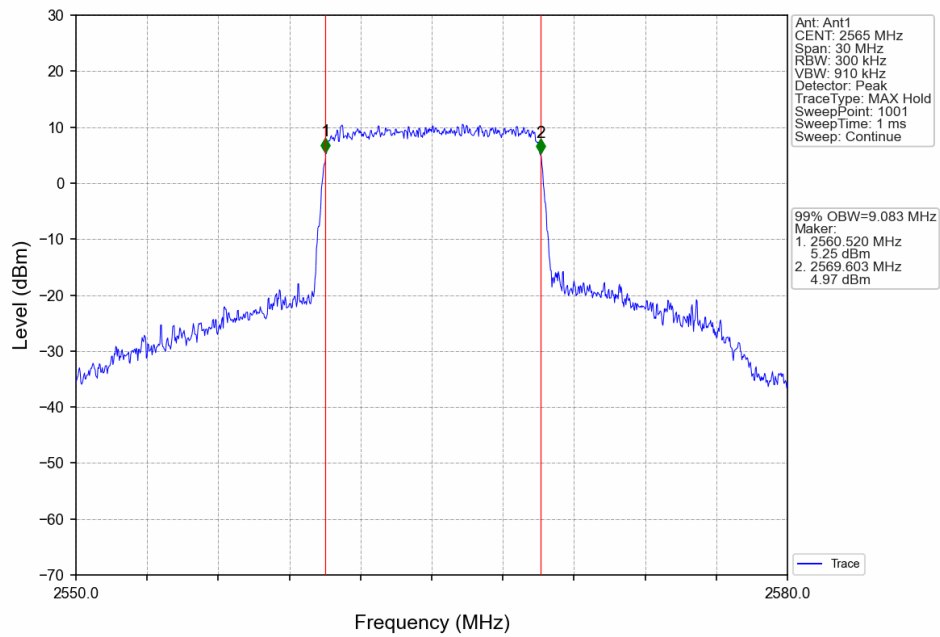
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



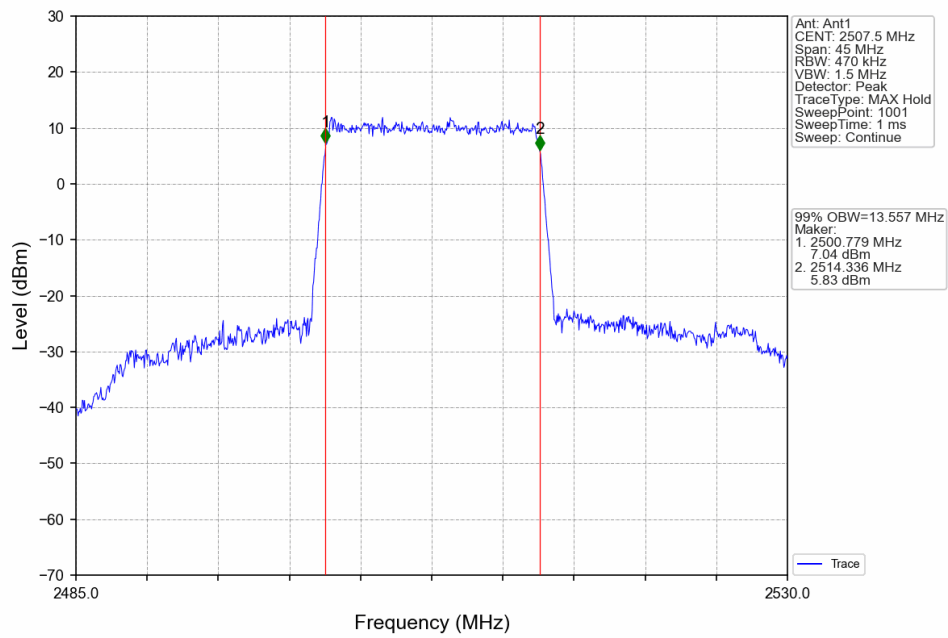
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



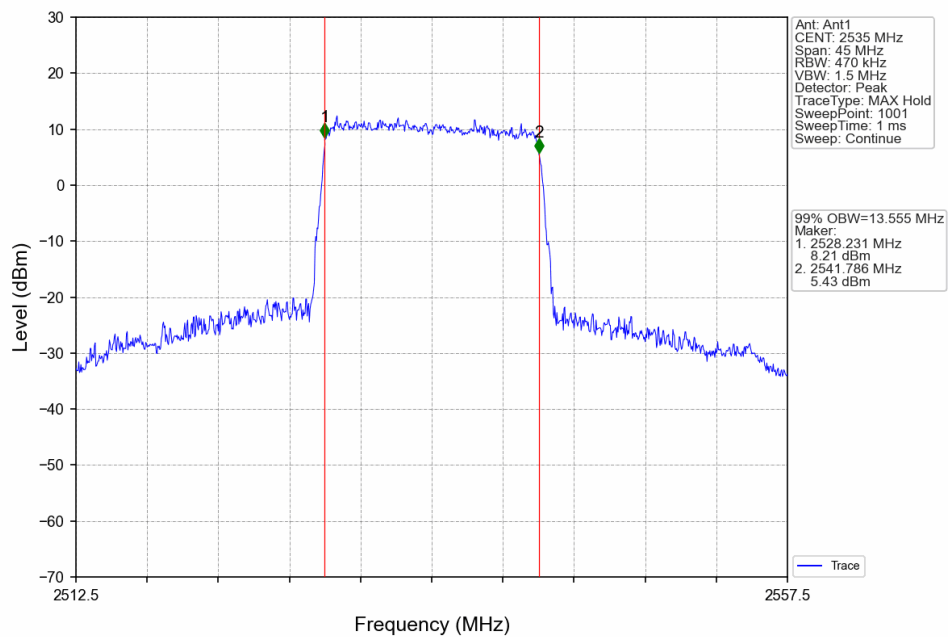
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



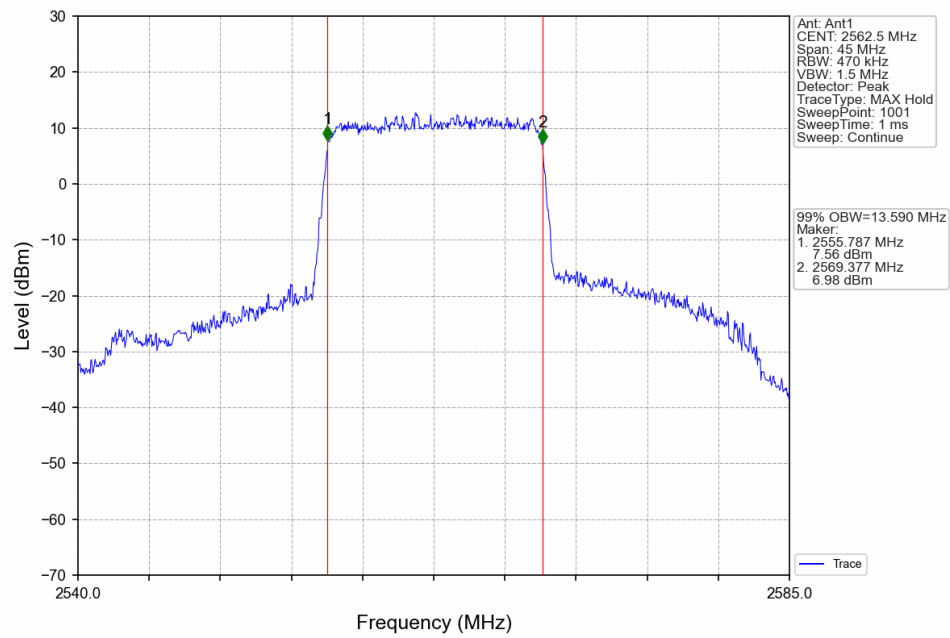
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



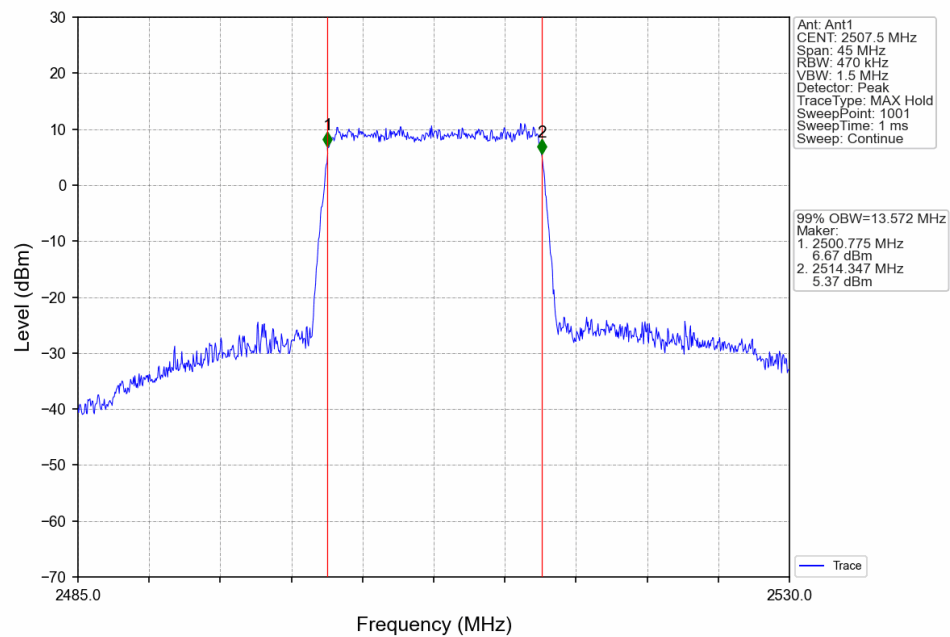
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



### Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV

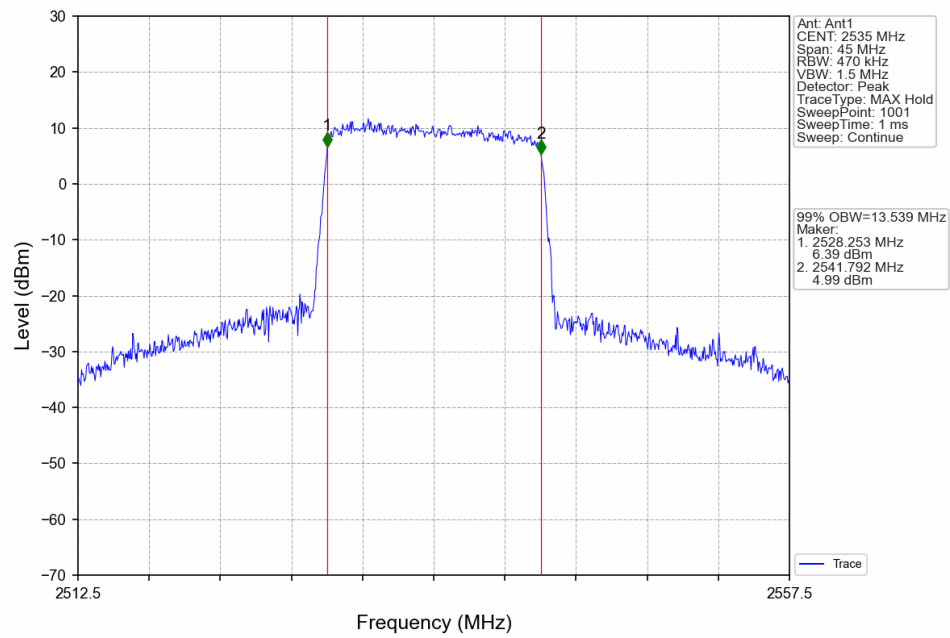


### Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV

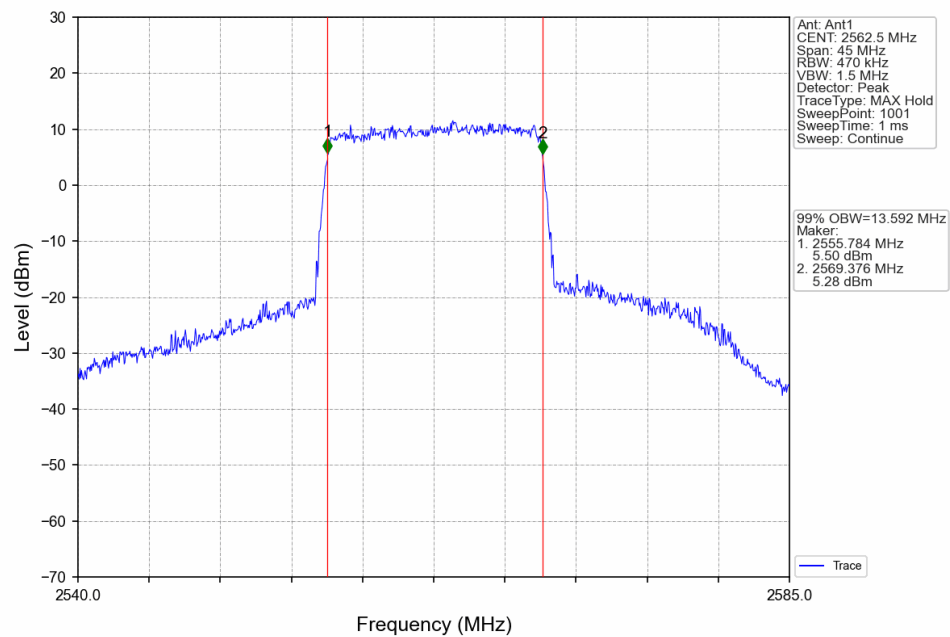




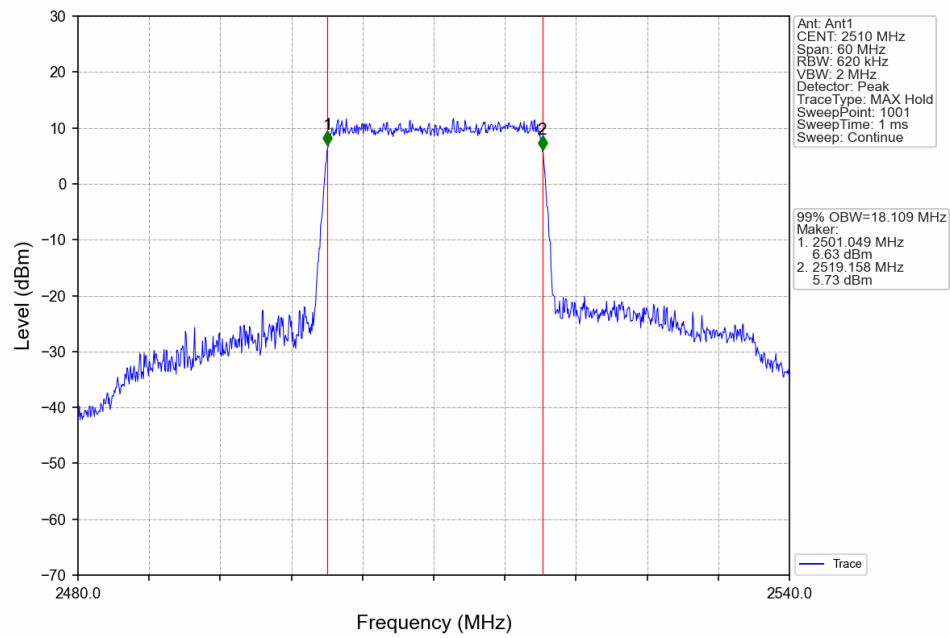
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



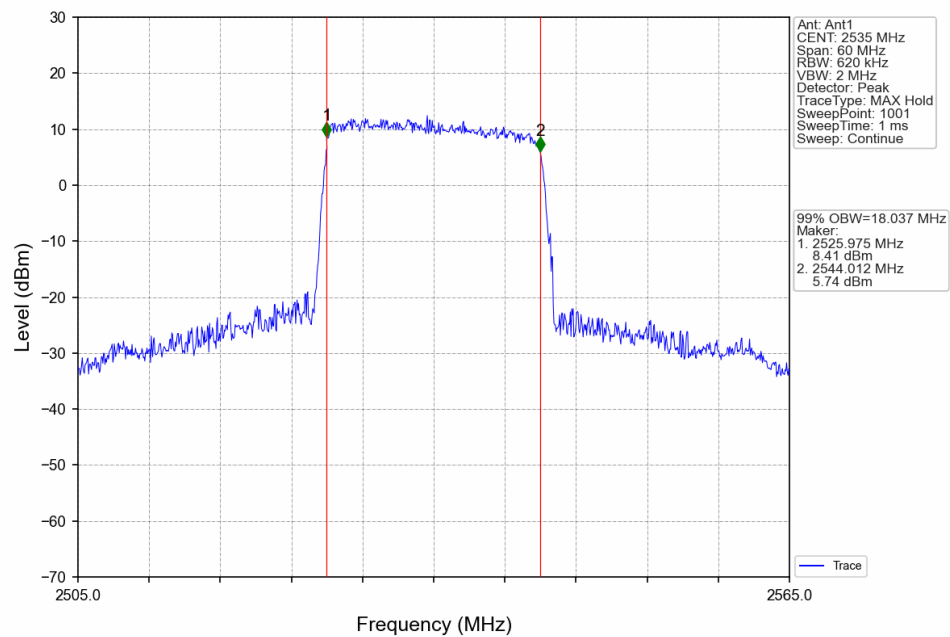
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



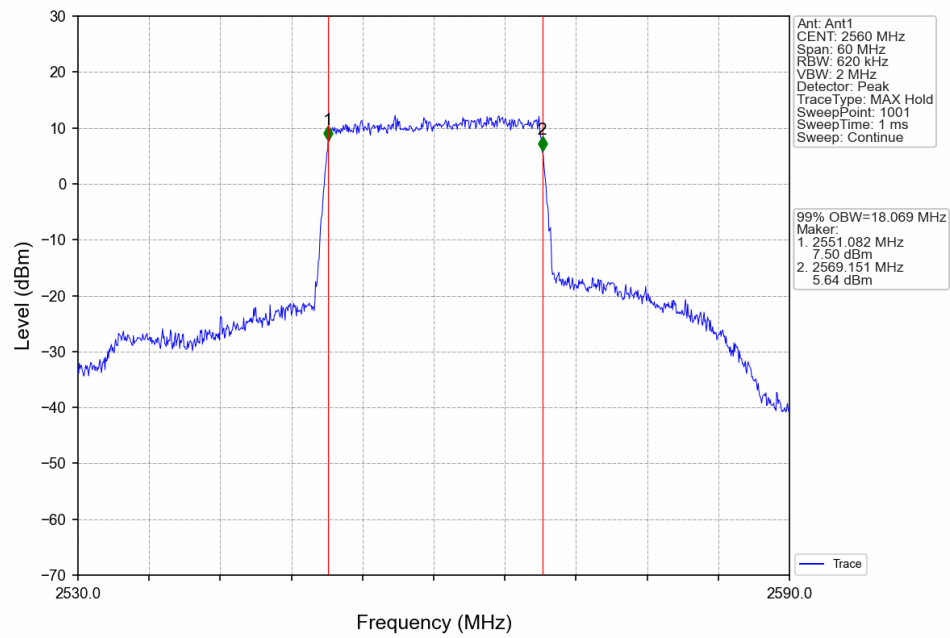
### Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



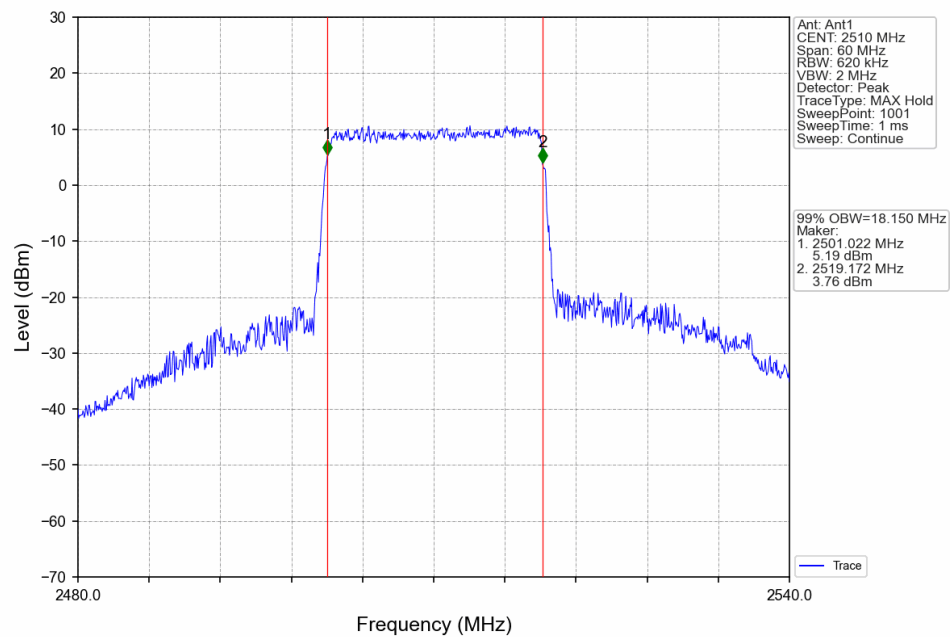
### Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



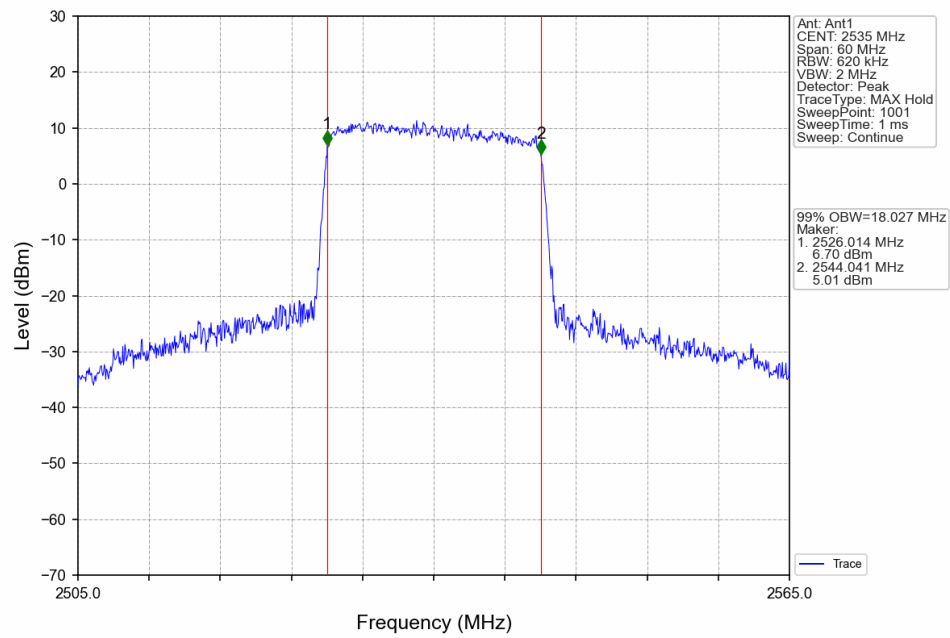
### Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



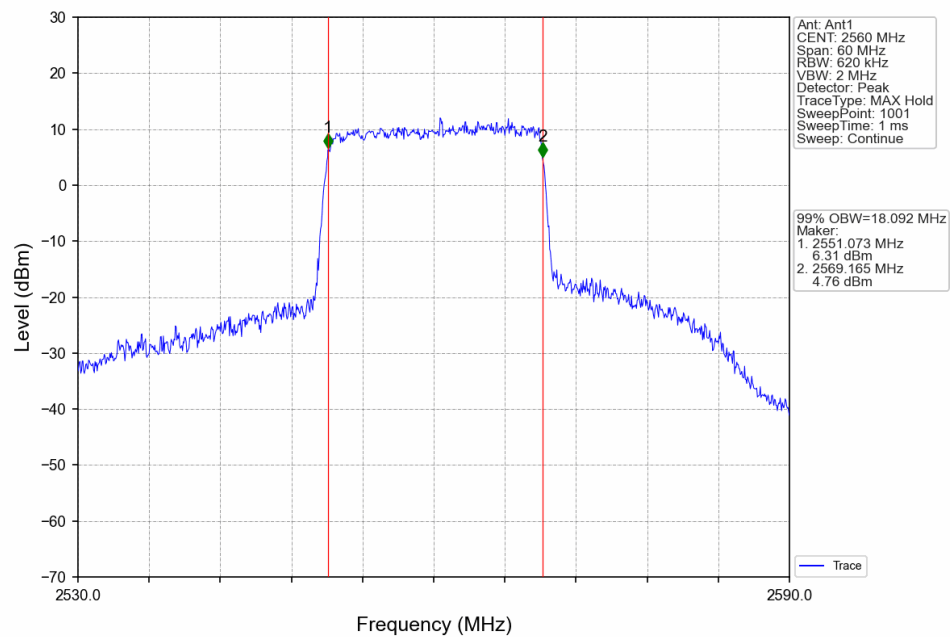
### Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



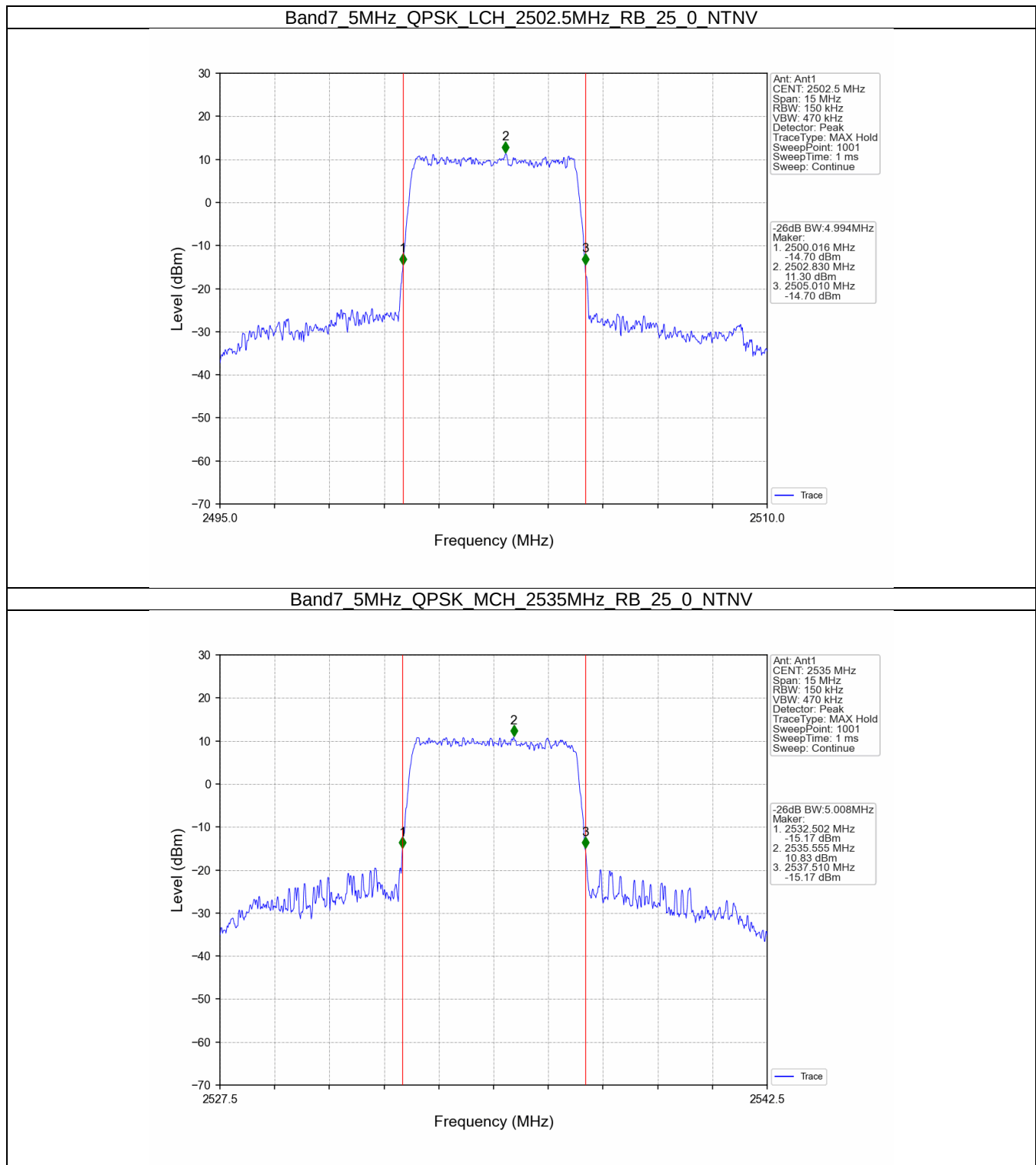
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



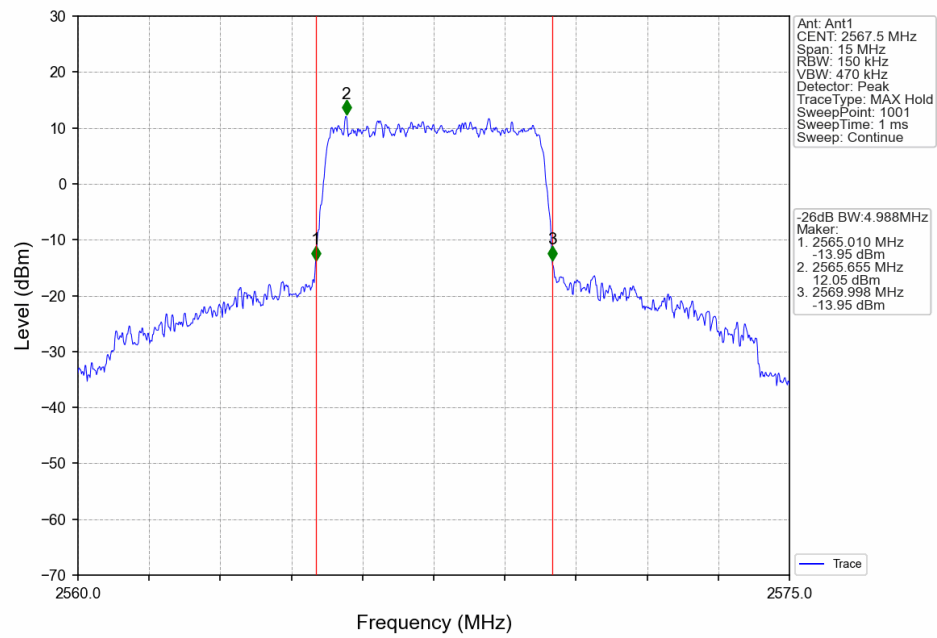
Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



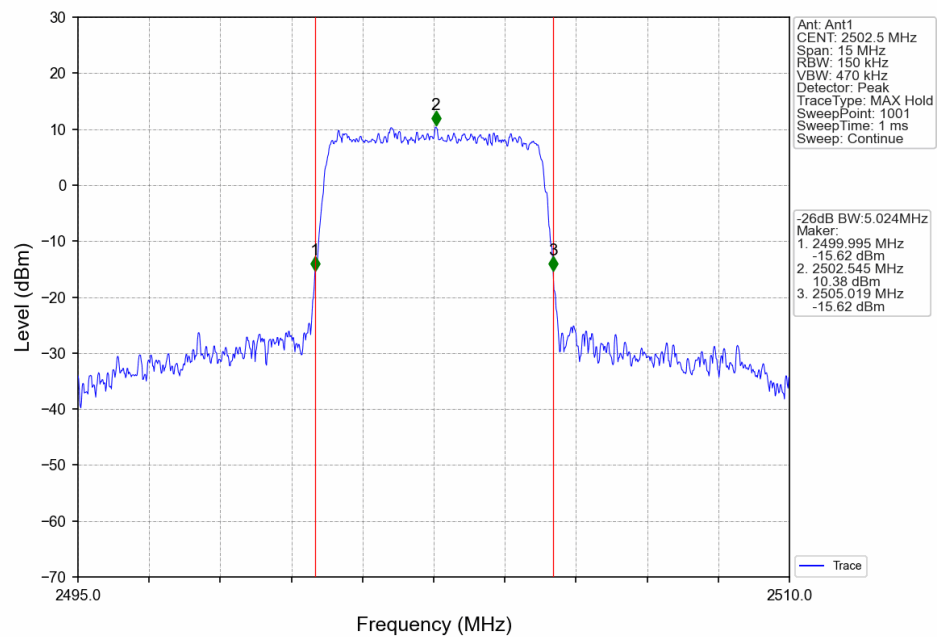
## 4.2.2 Band7\_XDB



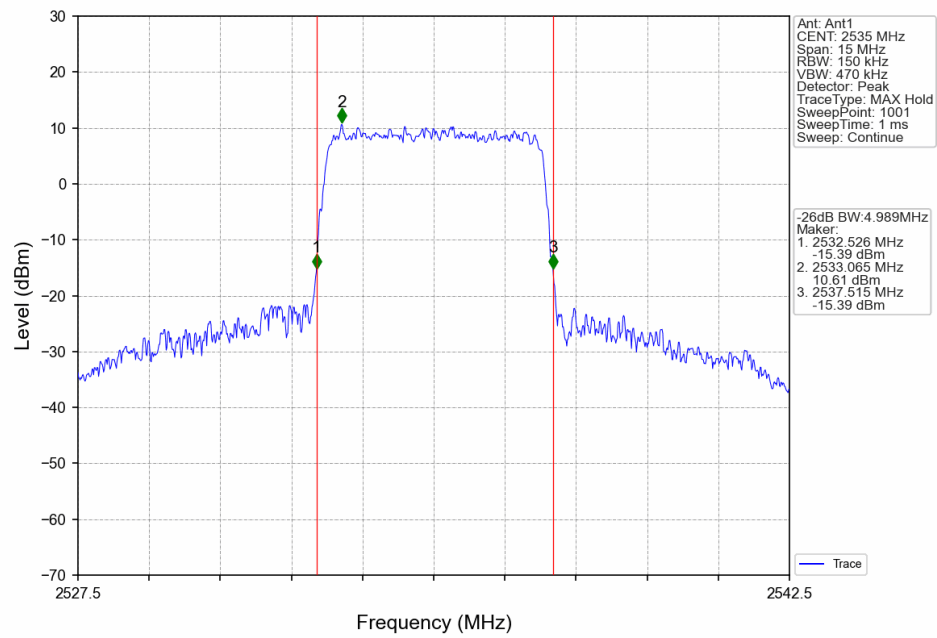
### Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



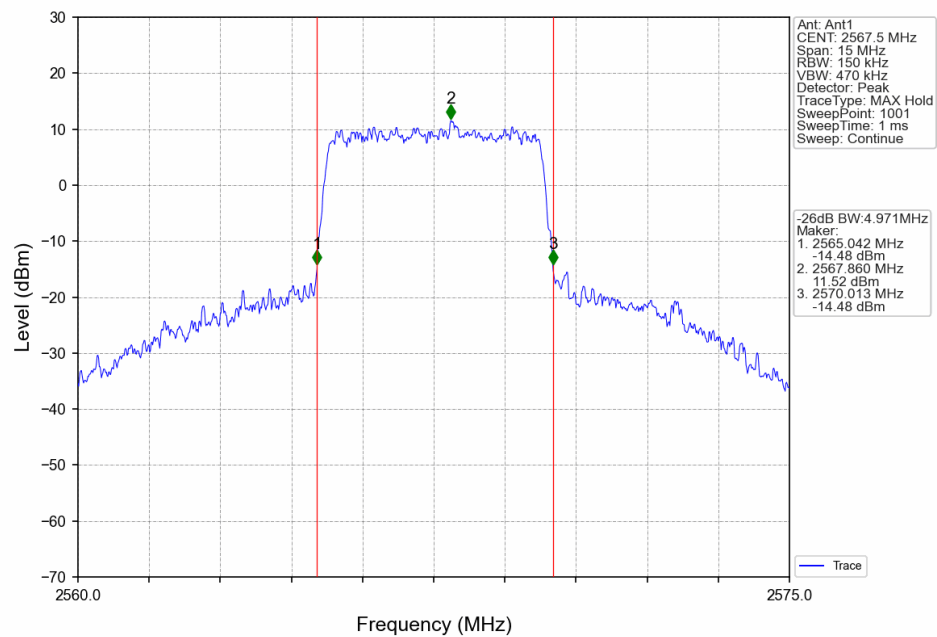
### Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



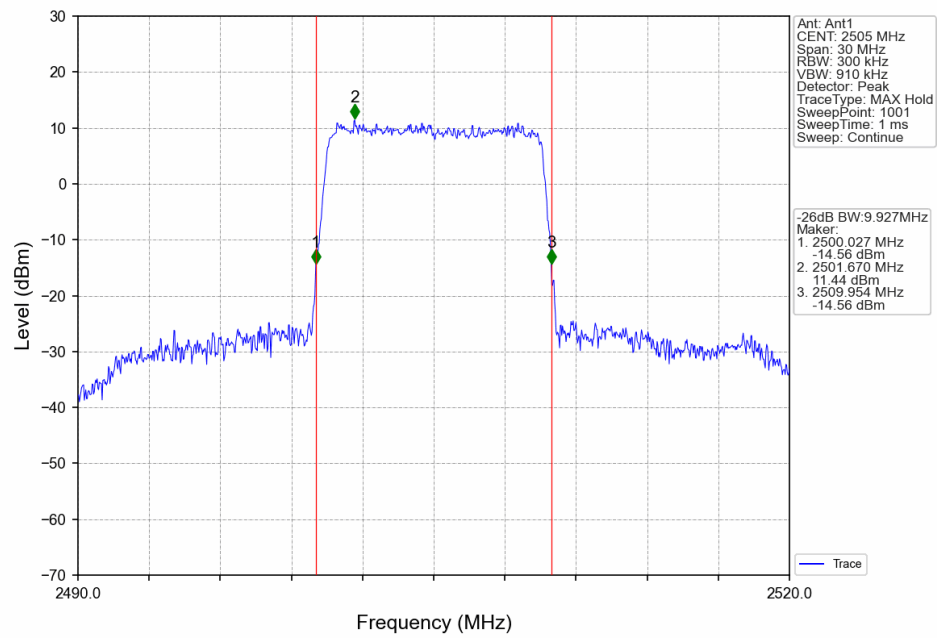
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



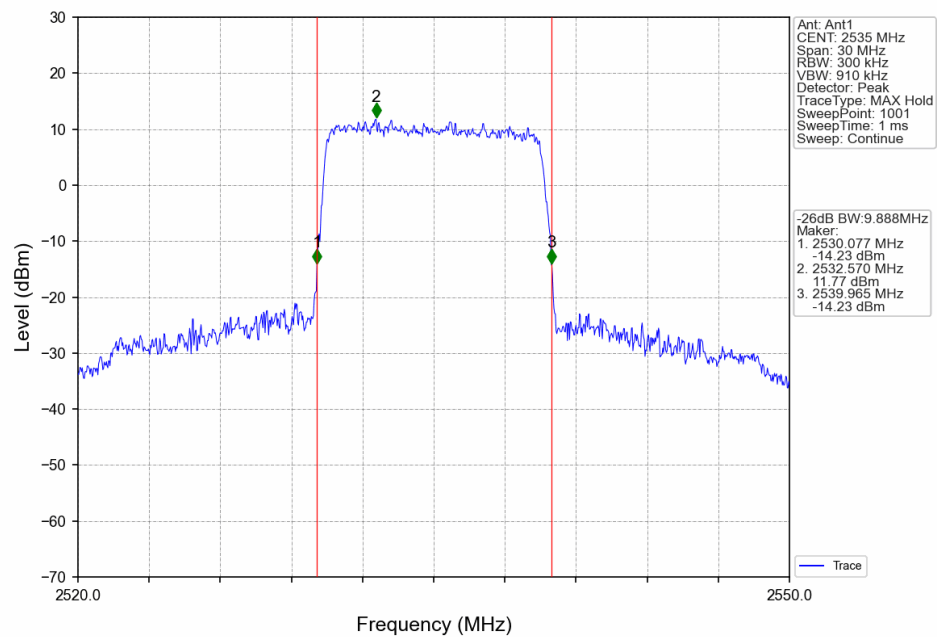
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



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

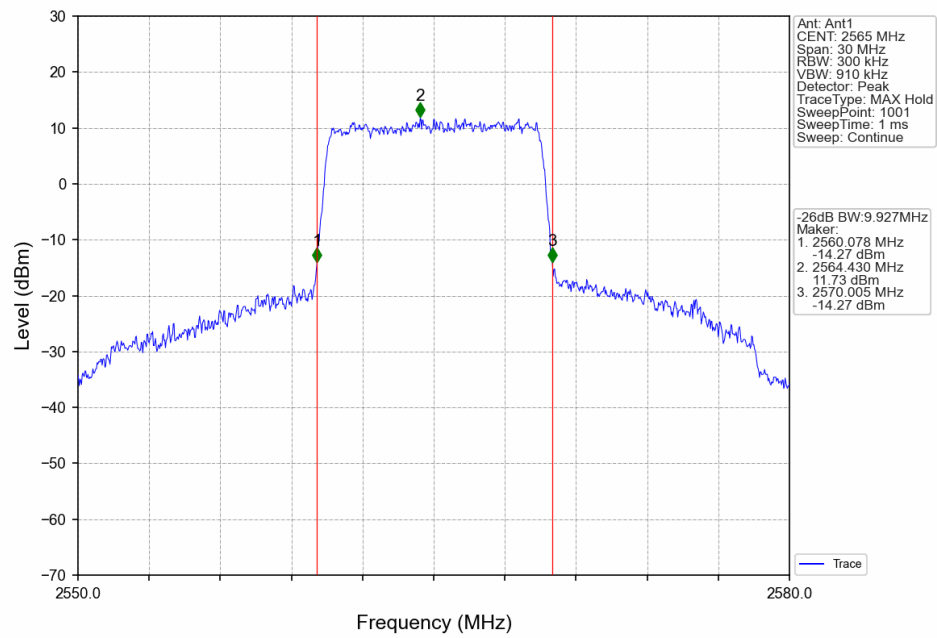


Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV

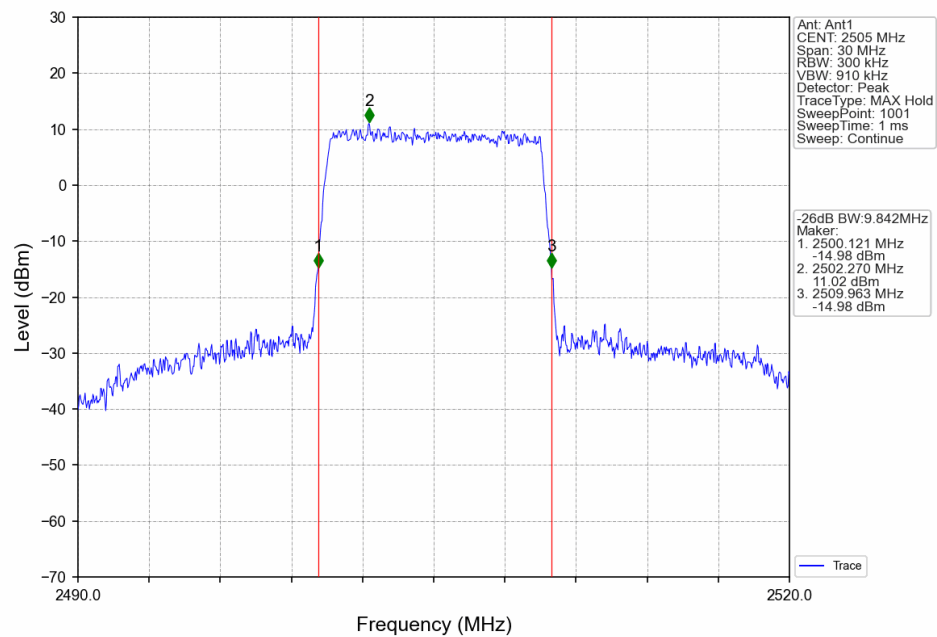




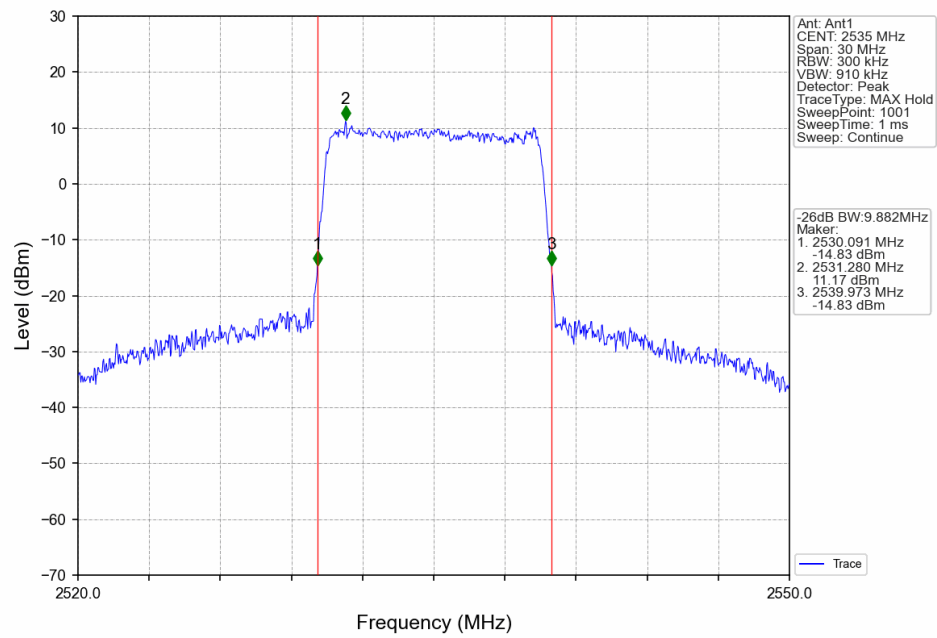
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



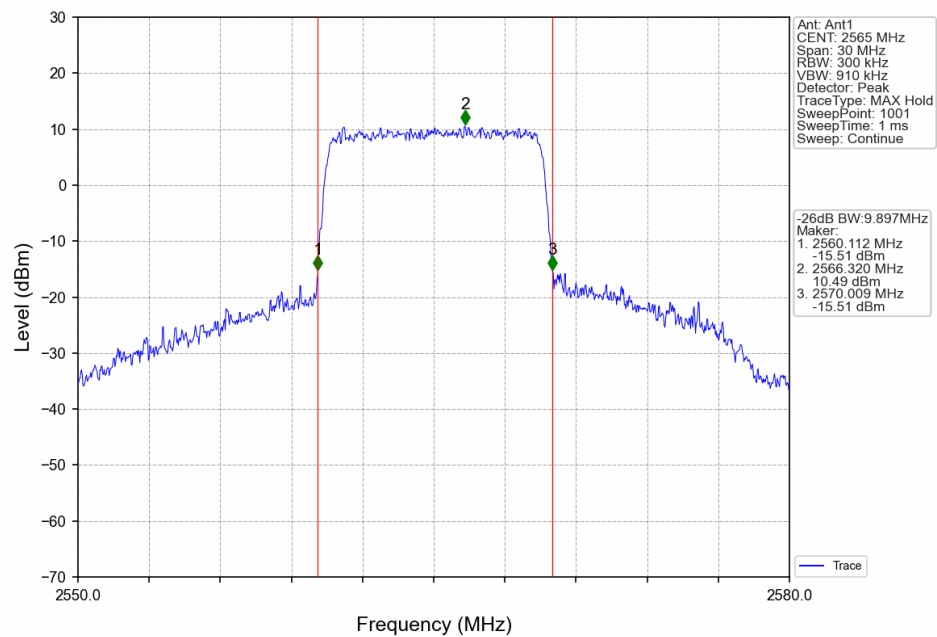
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



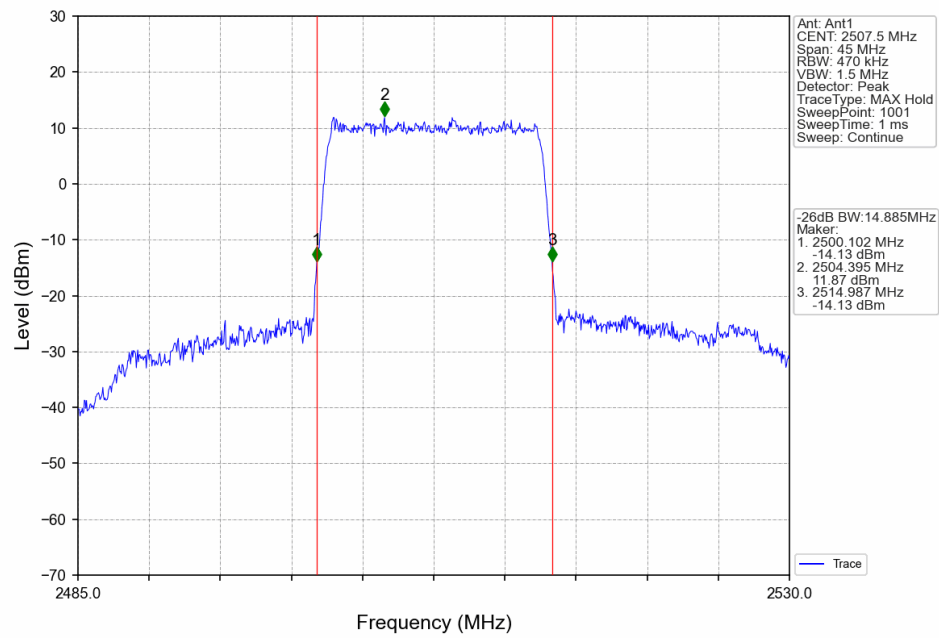
### Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



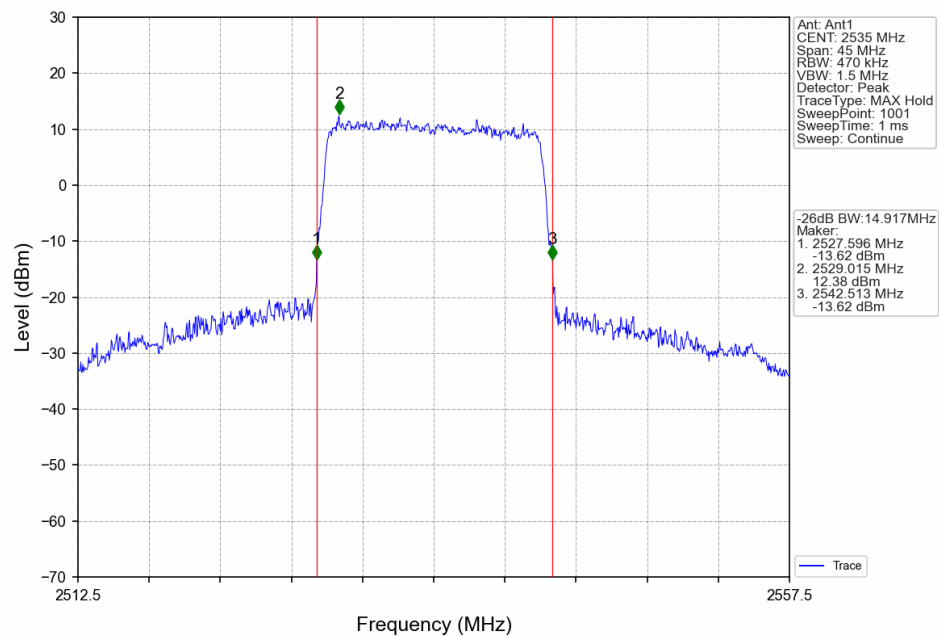
### Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



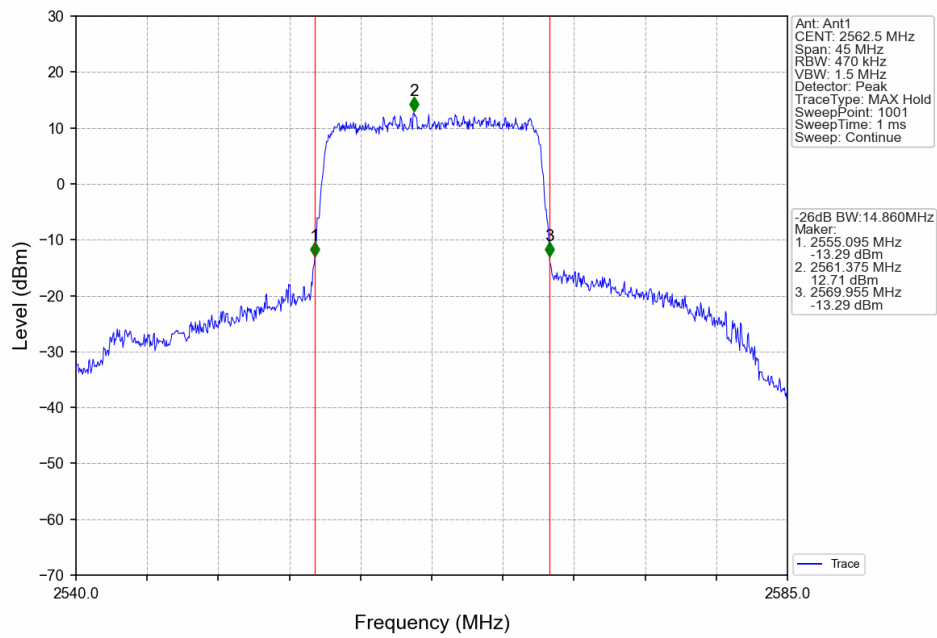
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



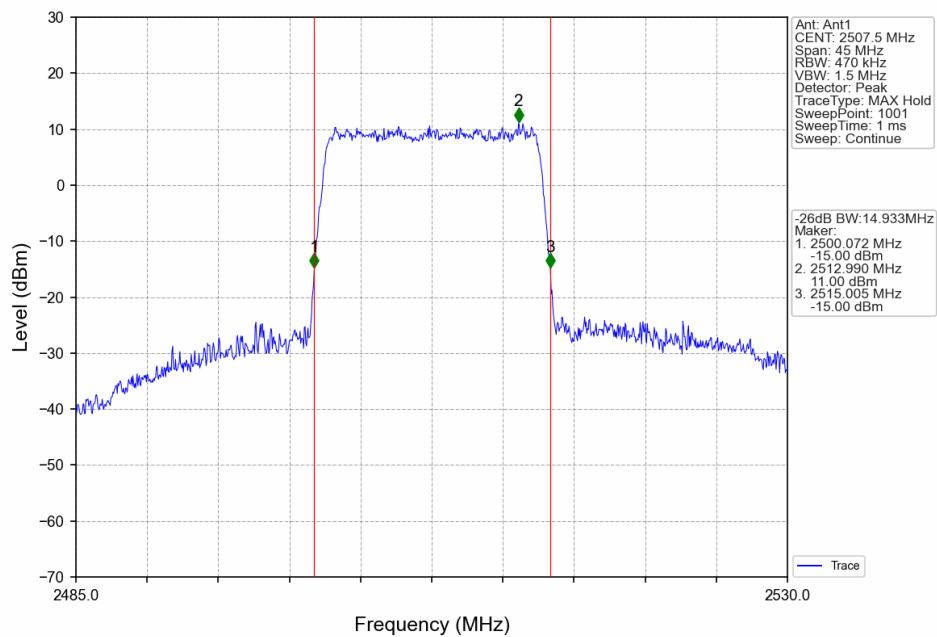
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



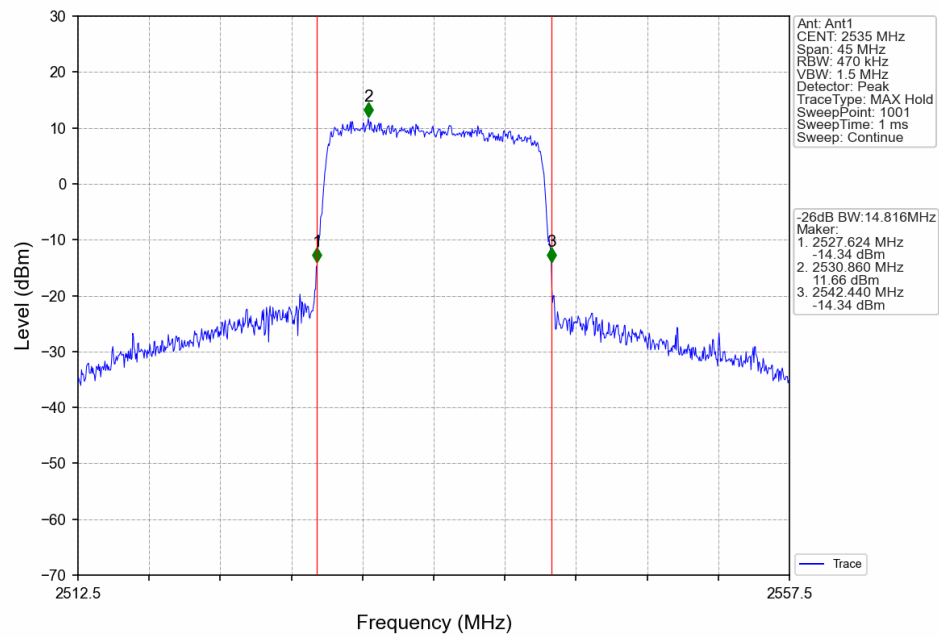
### Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



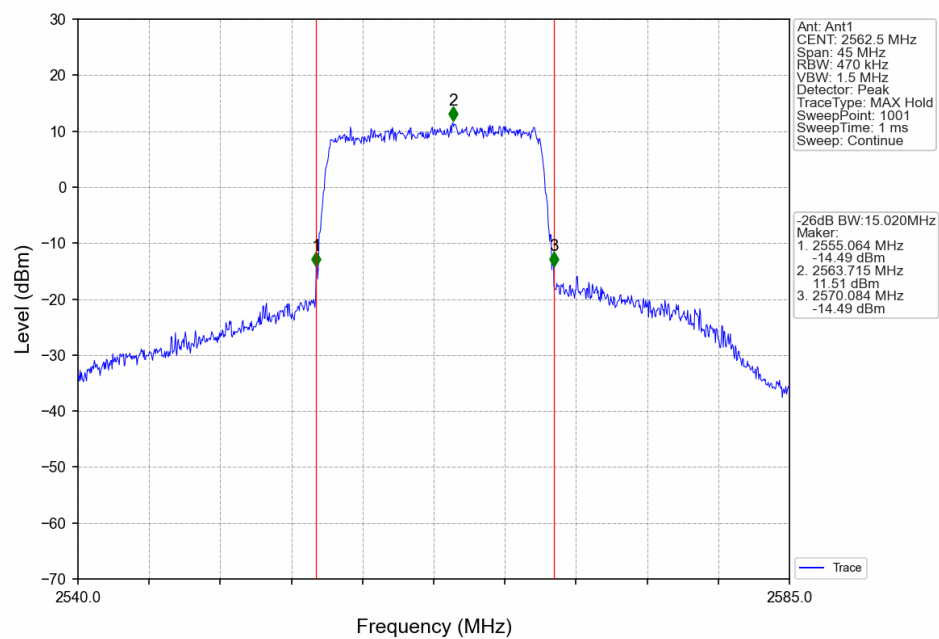
### Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



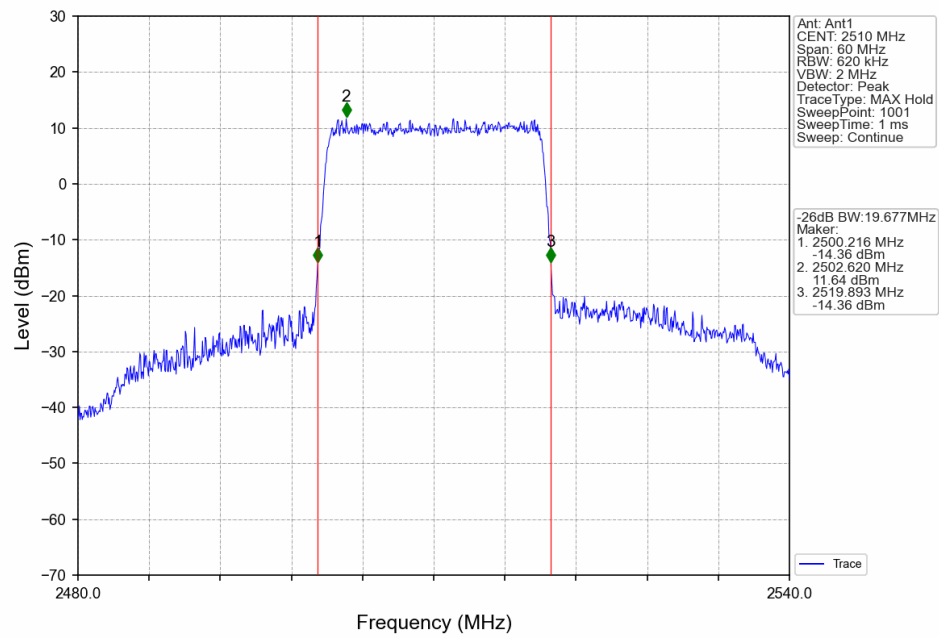
### Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



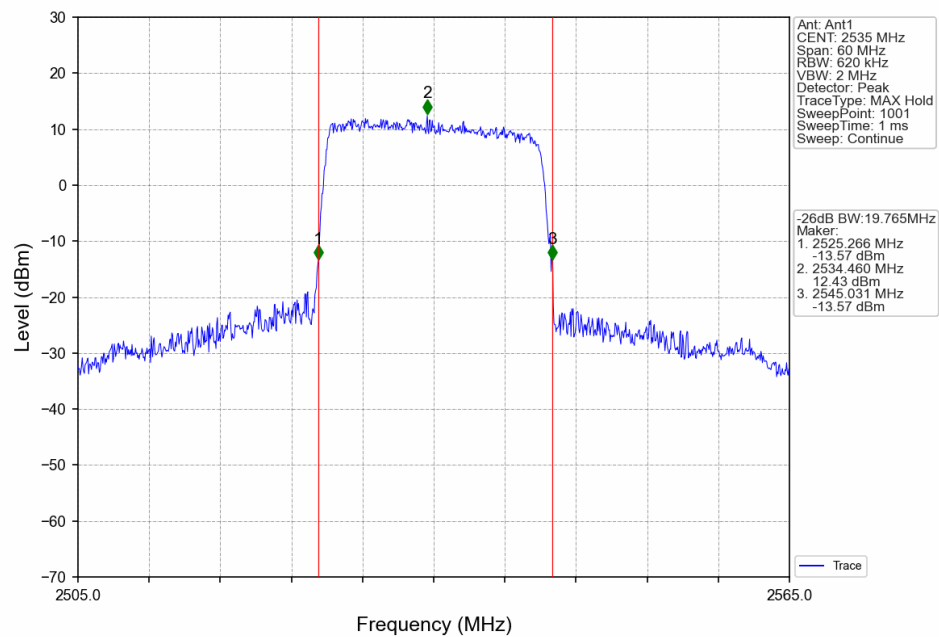
### Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



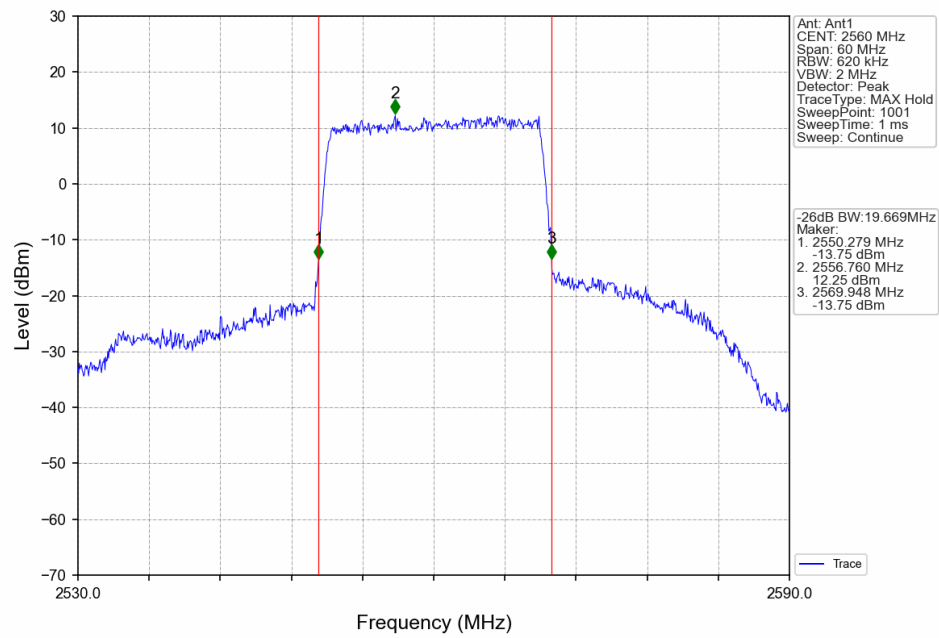
### Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



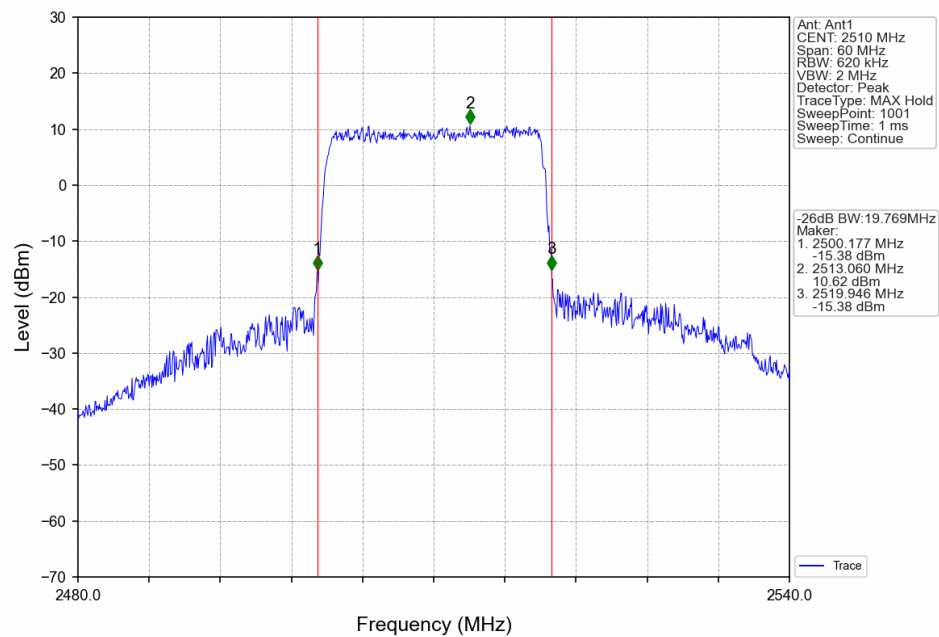
### Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



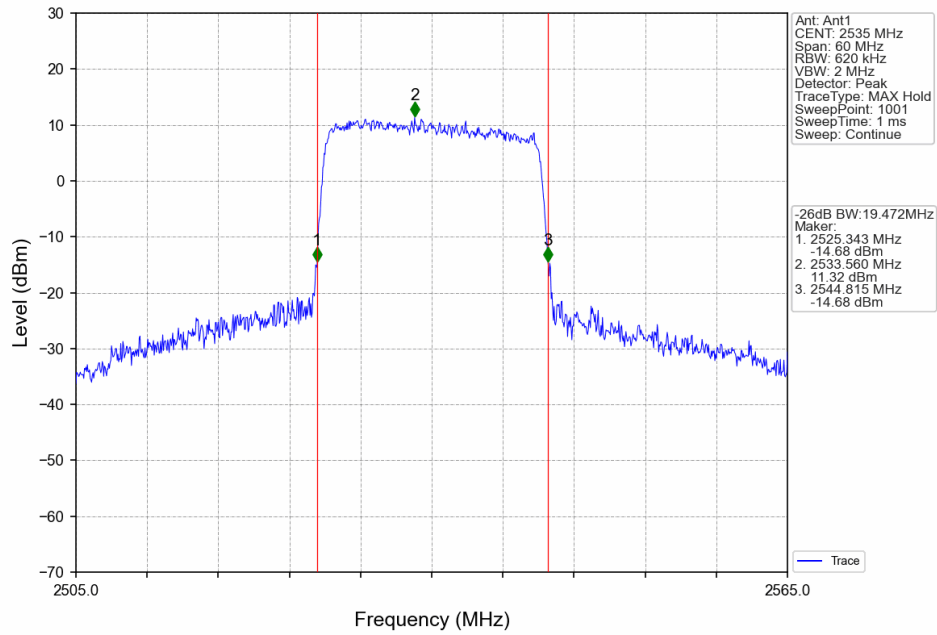
### Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



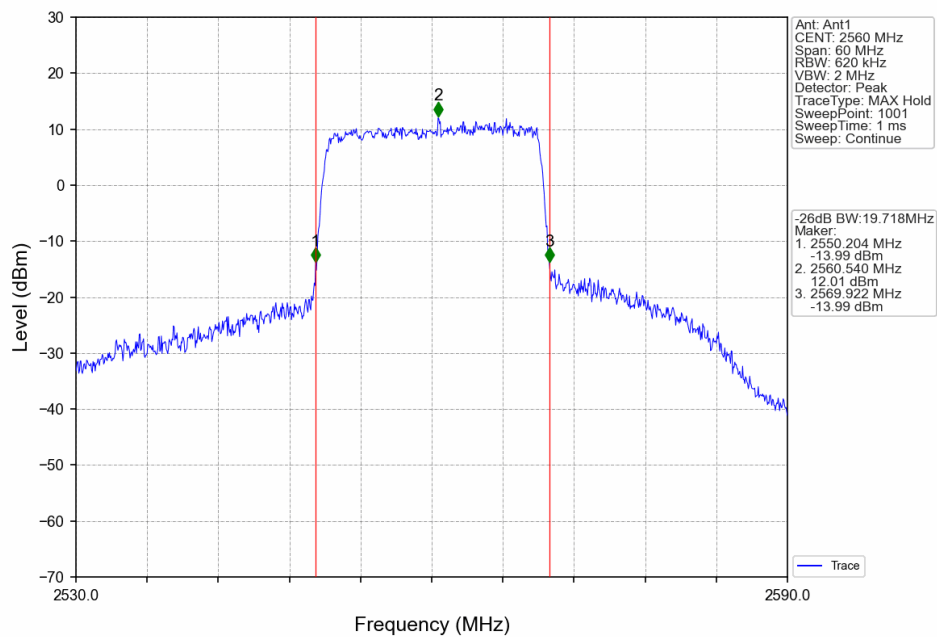
### Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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



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





## 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      | 5.52                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.33                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 4.89                    | <=13  | Pass    |
| 16QAM                            | 2502.5          | 25            | 0      | 6.32                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 6.06                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 5.63                    | <=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      | 5.58                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.25                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 4.94                    | <=13  | Pass    |
| 16QAM                             | 2505            | 50            | 0      | 6.37                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 6.03                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 5.77                    | <=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      | 5.20                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 5.05                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 5.00                    | <=13  | Pass    |
| 16QAM                             | 2507.5          | 75            | 0      | 6.18                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.10                    | <=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      | 5.60                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.66                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.59                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 6.61                    | <=13  | Pass    |

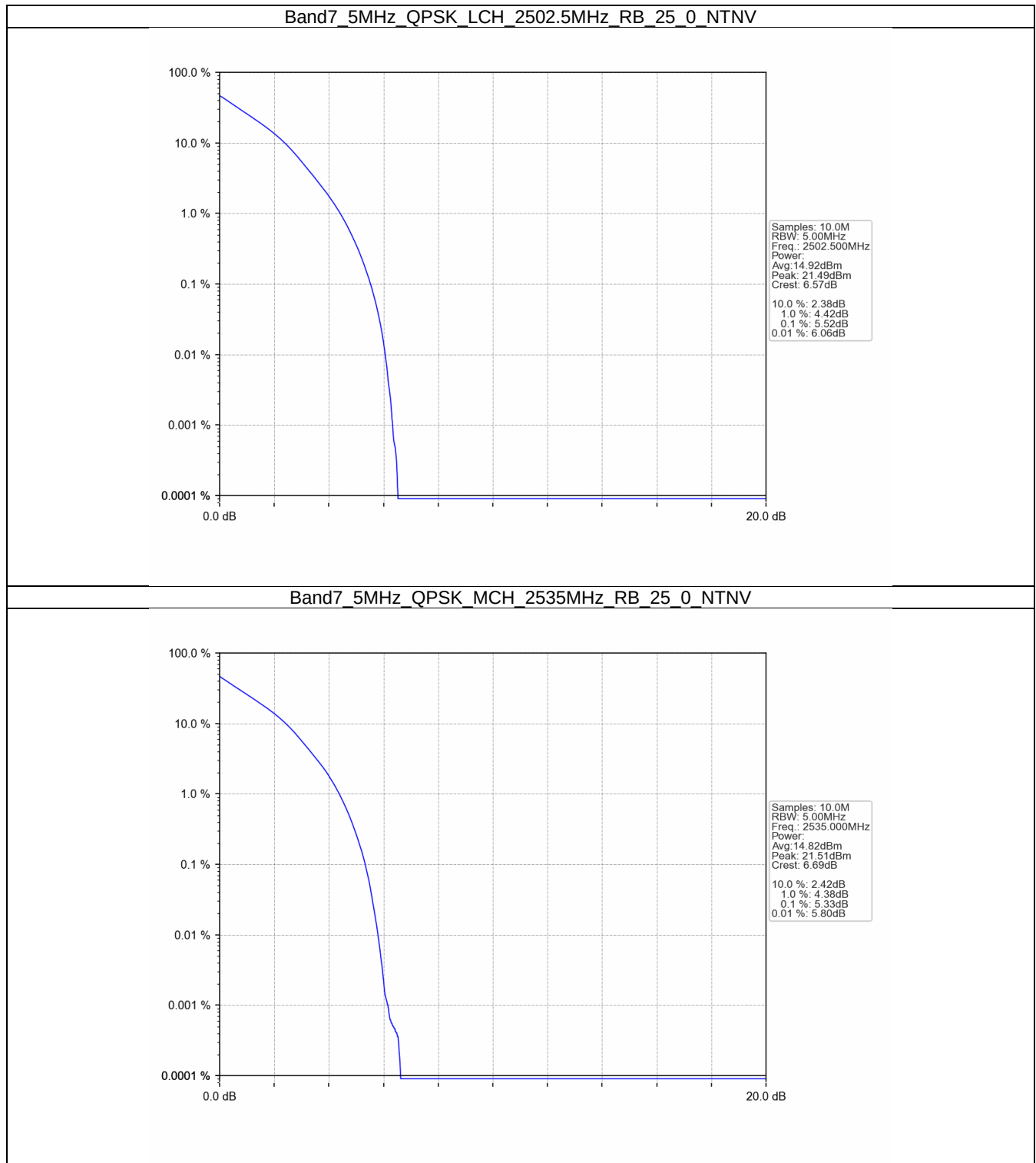


---

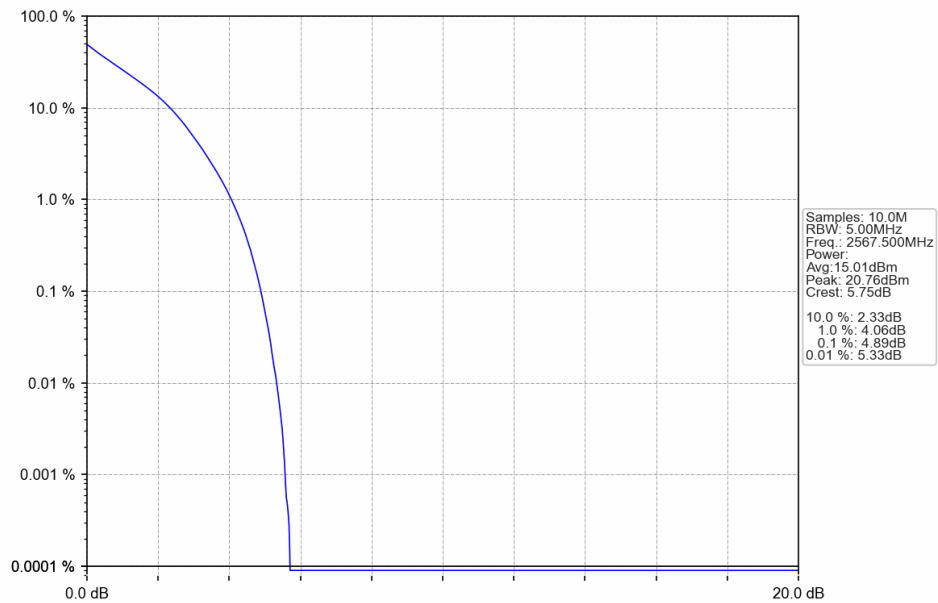
|  |      |     |   |      |      |      |
|--|------|-----|---|------|------|------|
|  | 2560 | 100 | 0 | 6.55 | <=13 | Pass |
|--|------|-----|---|------|------|------|

## 5.2 Test Graph

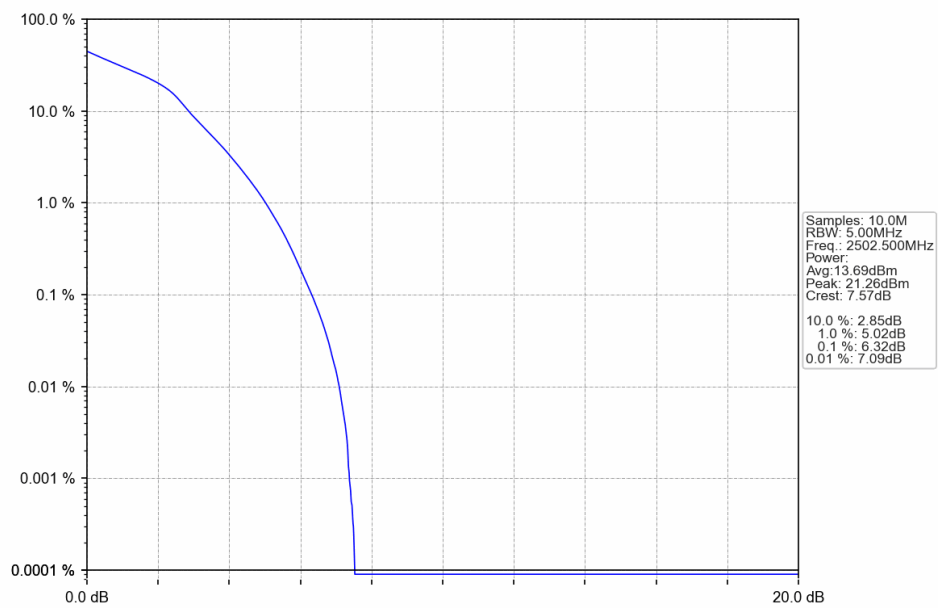
### 5.2.1 B7\_5MHz



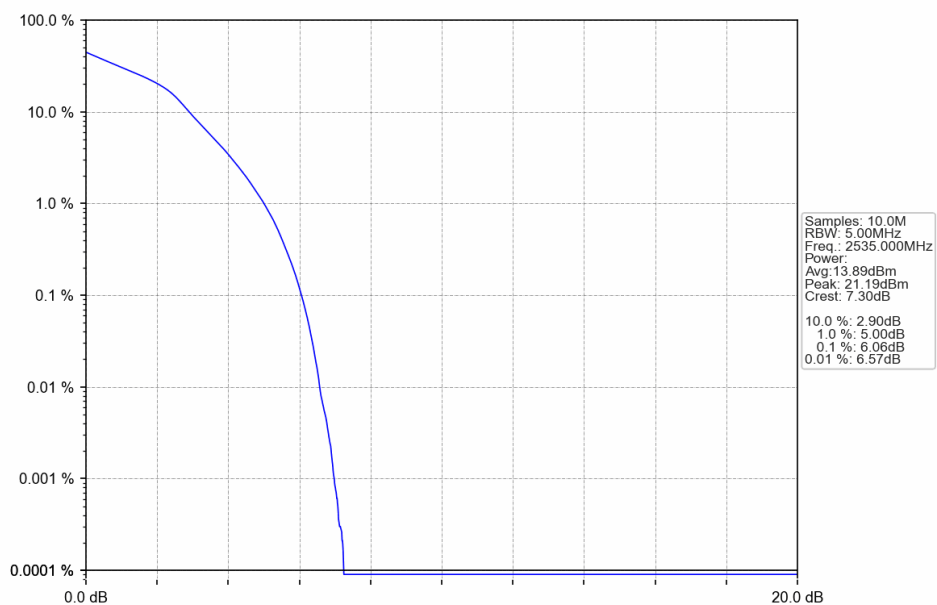
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



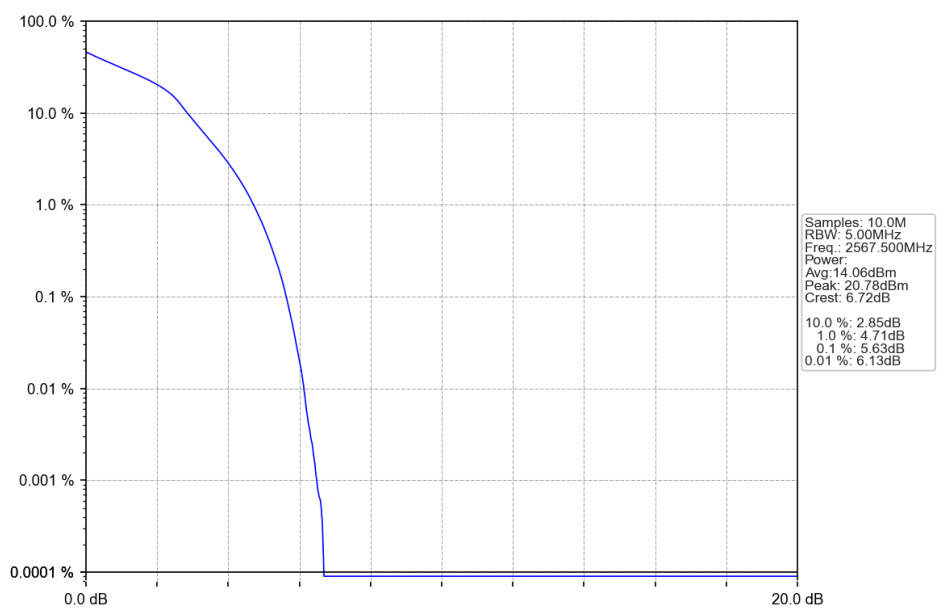
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



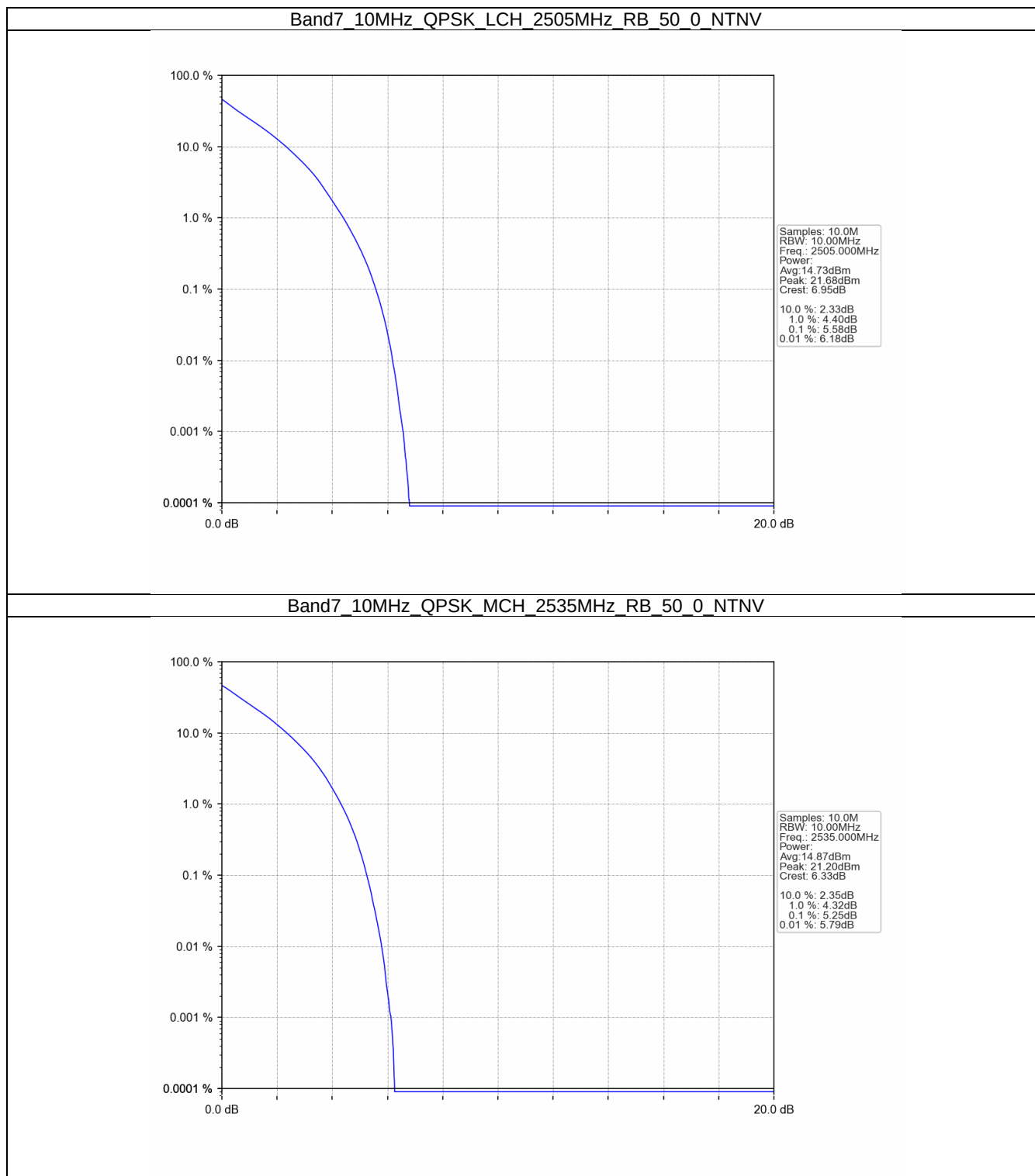
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



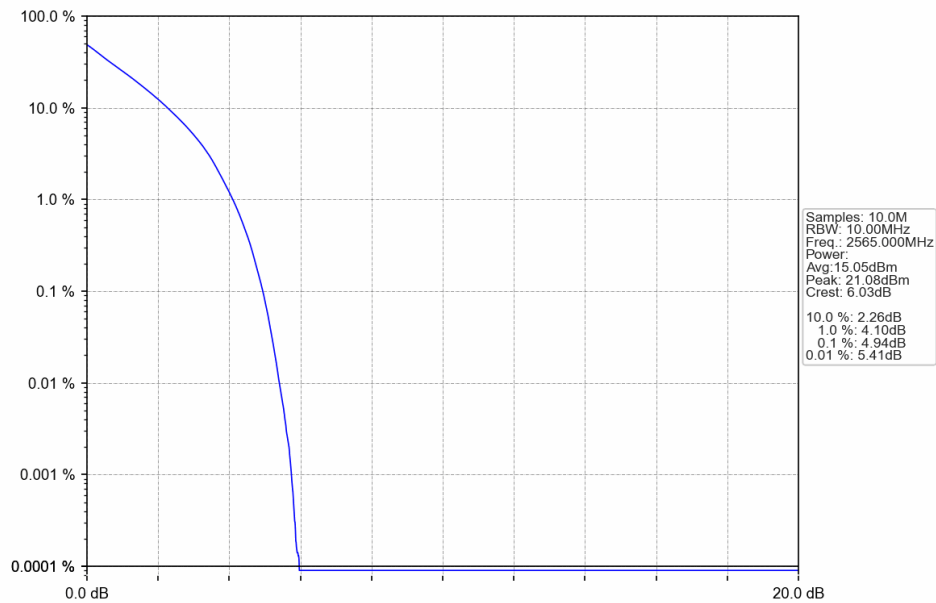
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



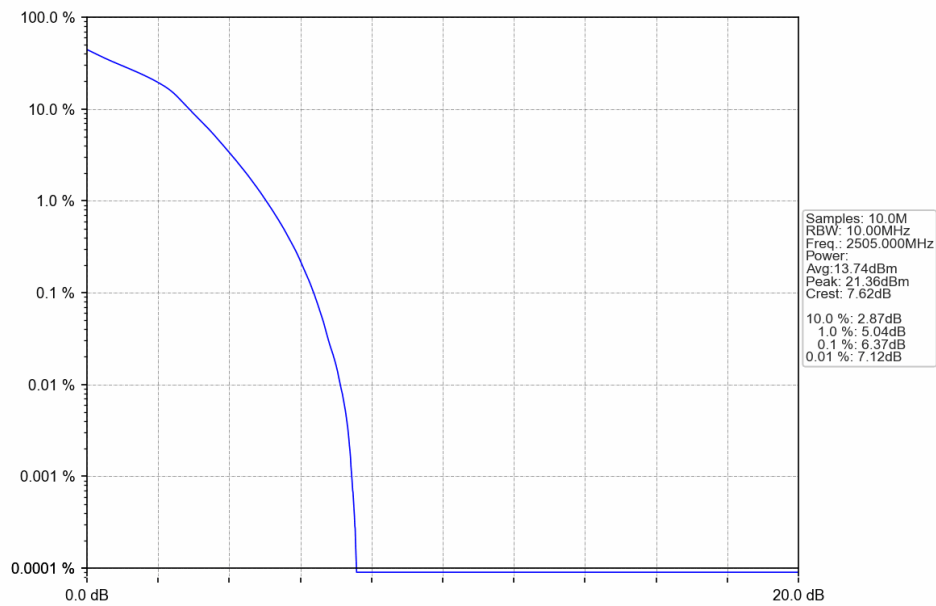
## 5.2.2 B7\_10MHz



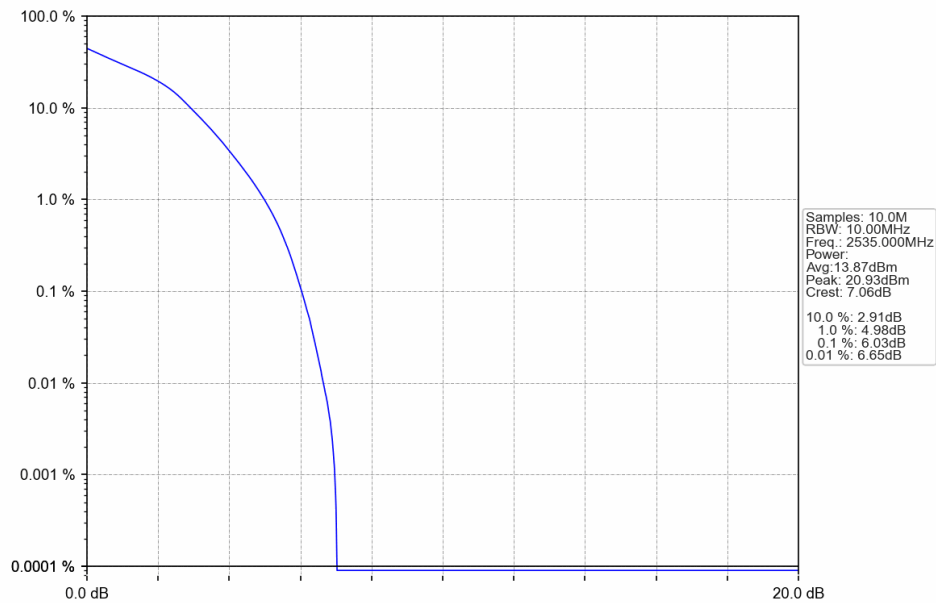
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



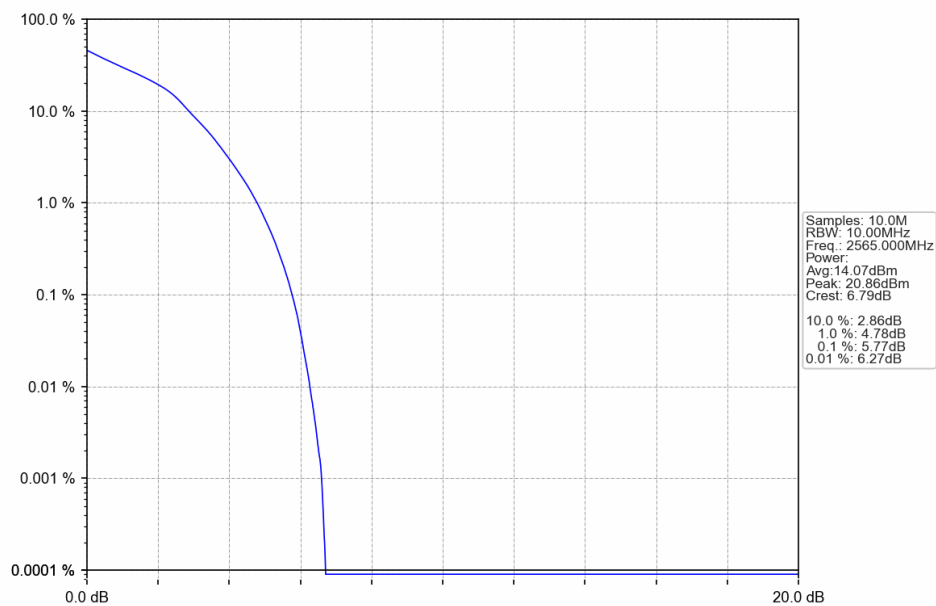
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



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

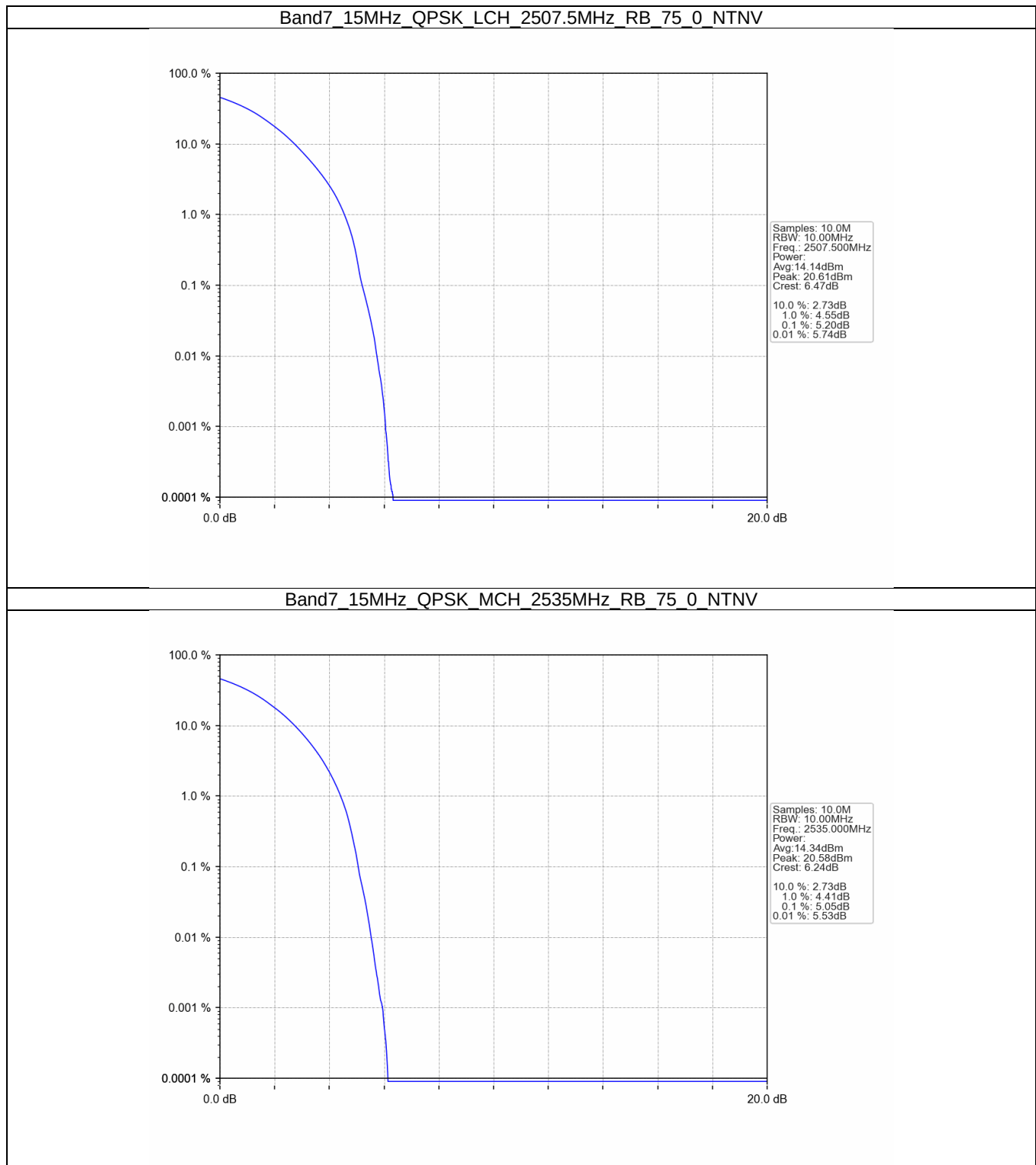


Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV

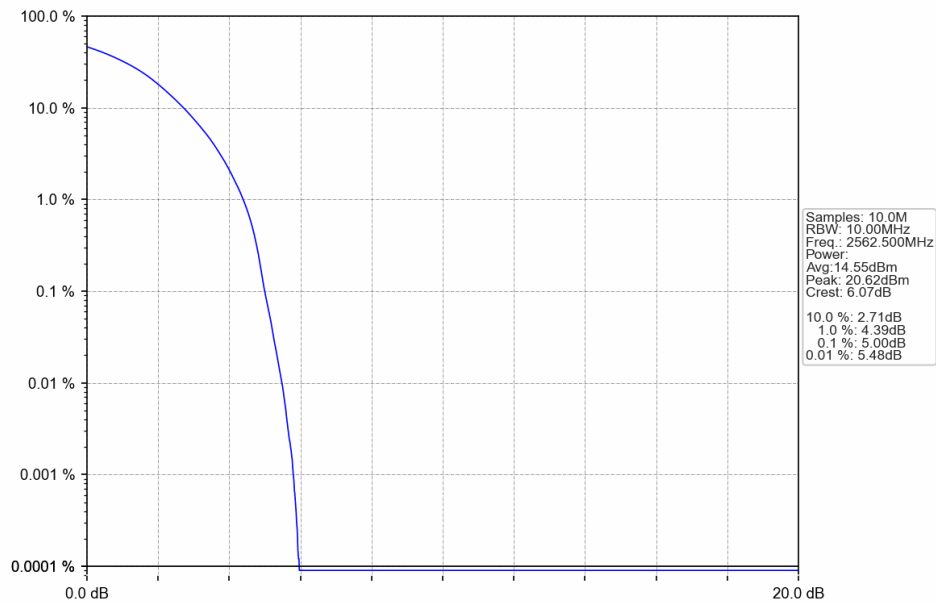




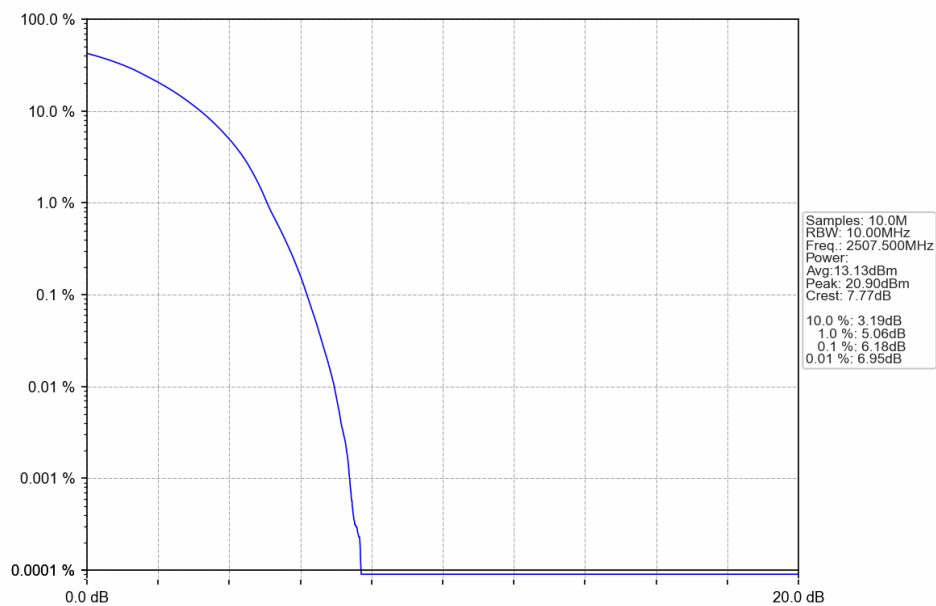
### 5.2.3 B7\_15MHz



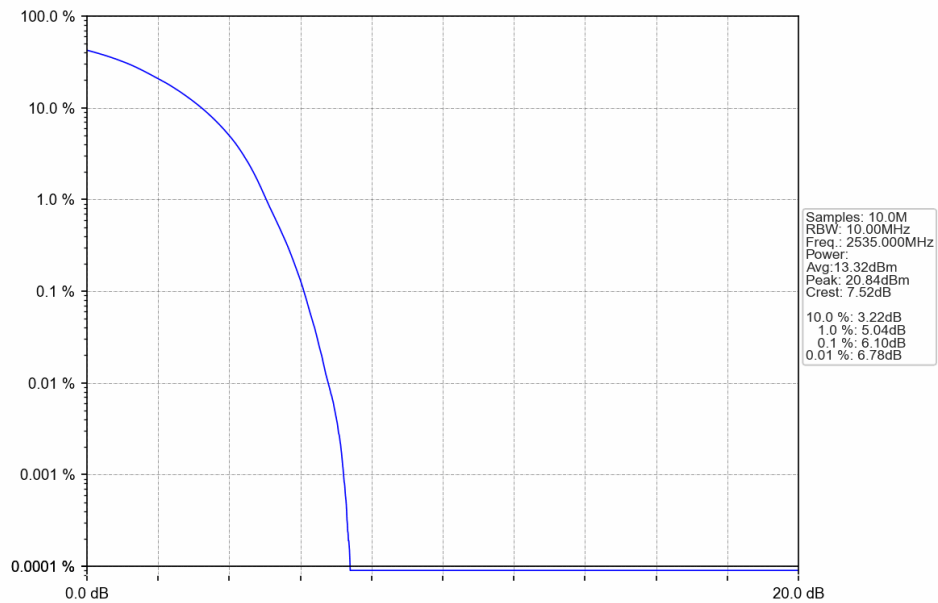
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



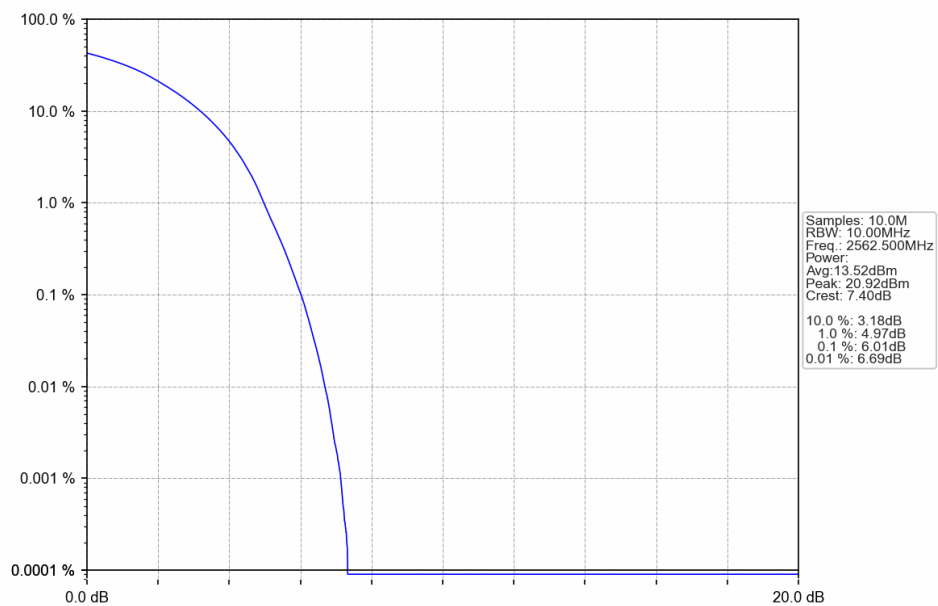
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



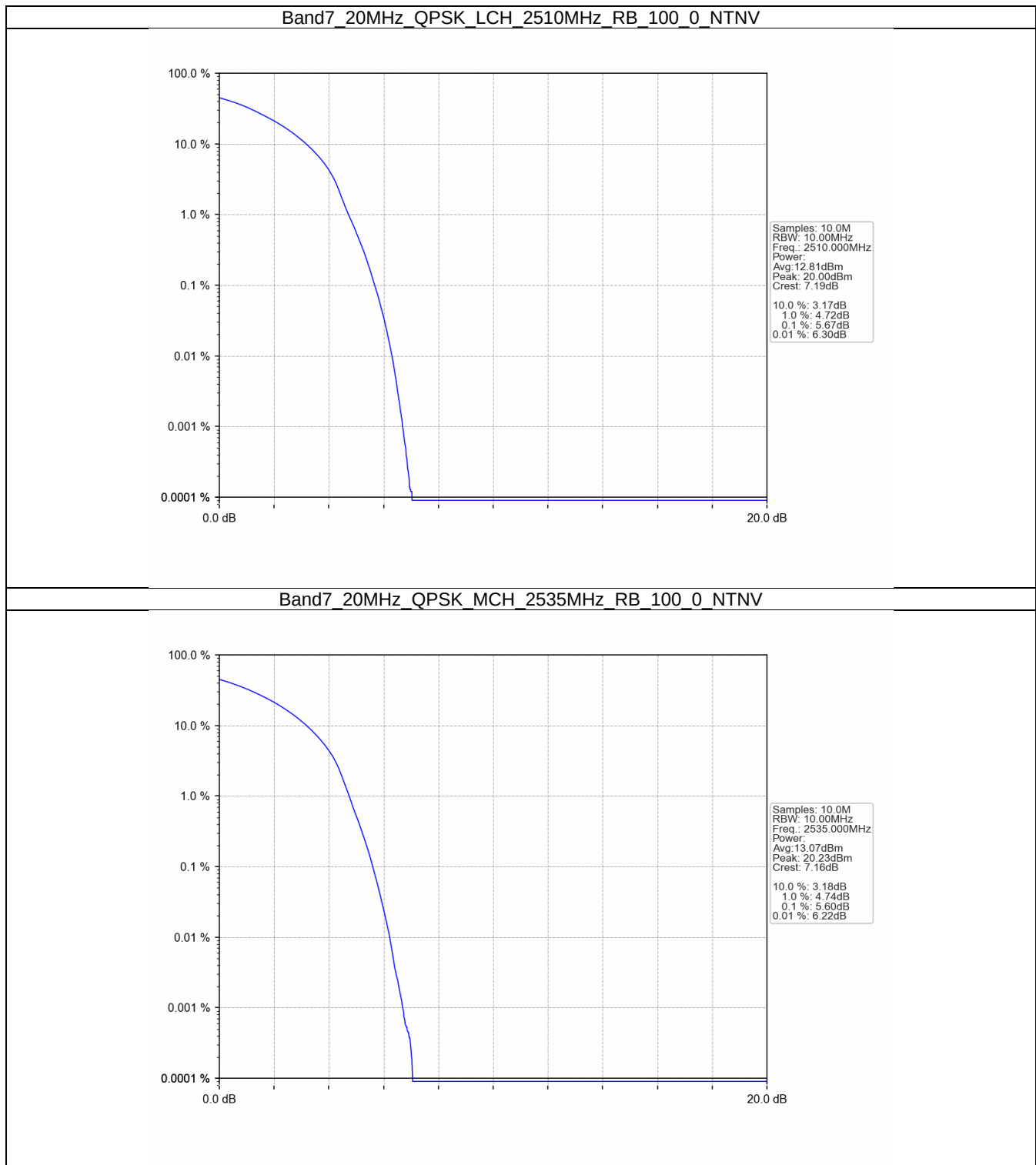
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



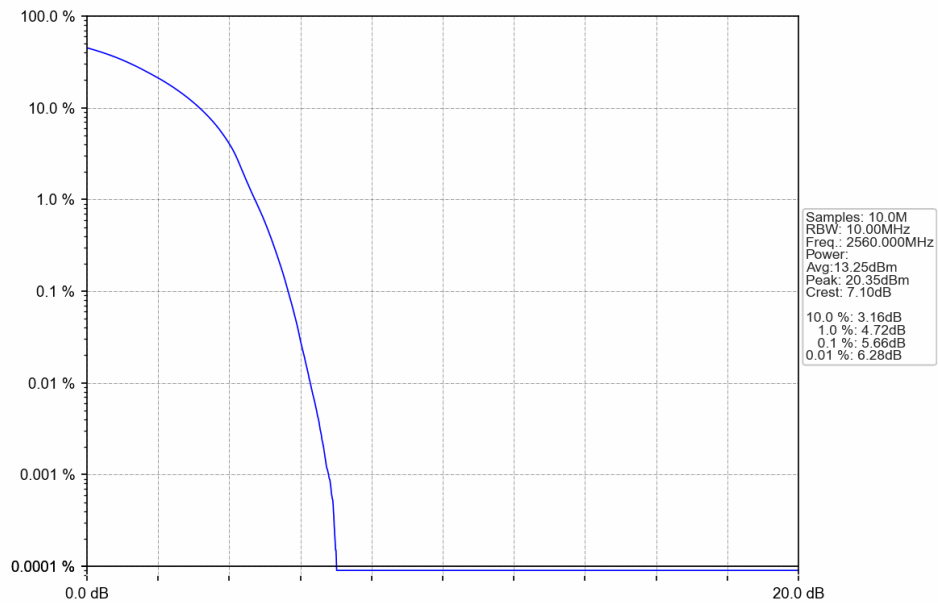
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



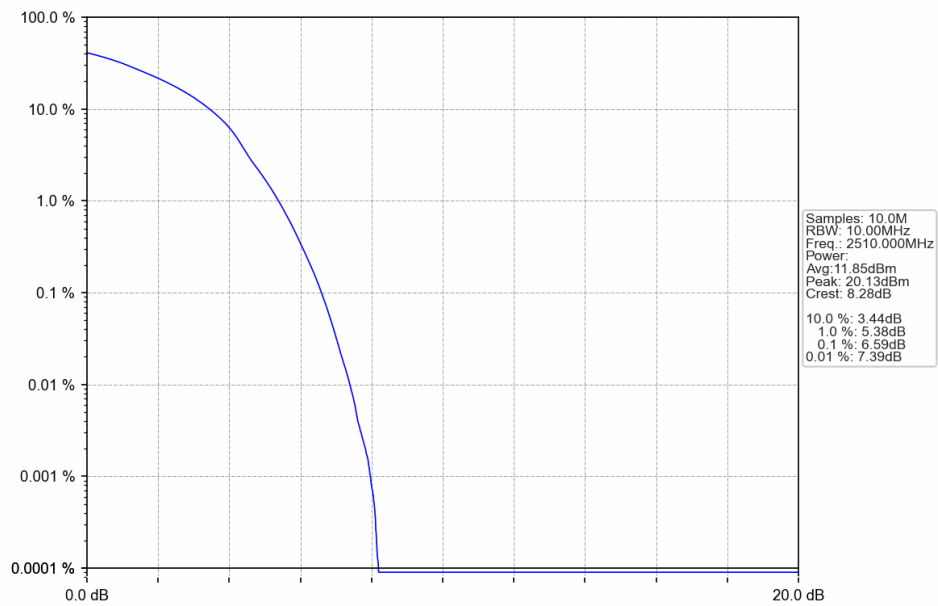
## 5.2.4 B7\_20MHz



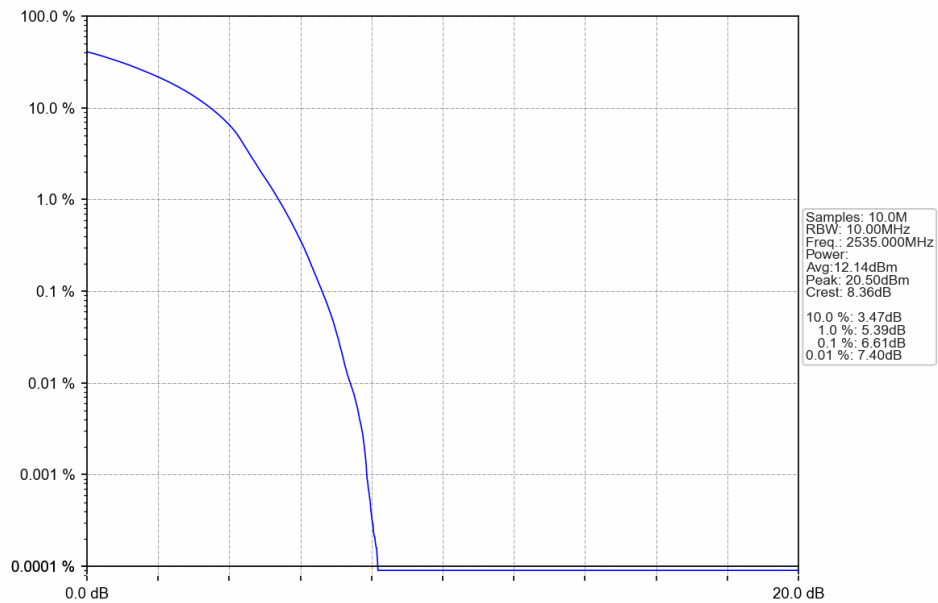
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



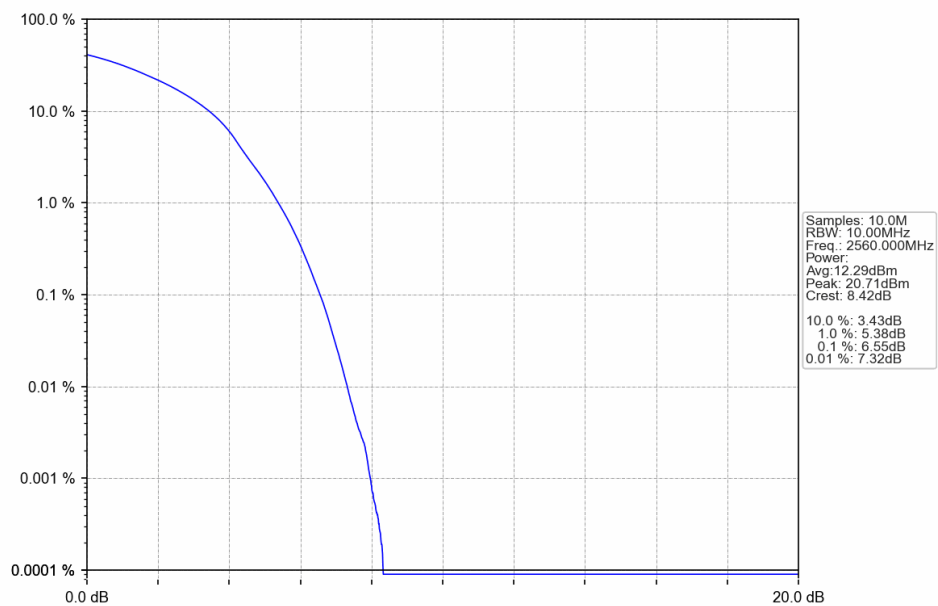
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



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   |       |
|                                  |                 | 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  |
|                                  |                 | 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  |
|                                  |                 | 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 / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | 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  |
|                                   |                 | 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  |
|                                   |                 | 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 / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 2507.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
|                                   | 2535            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 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 |

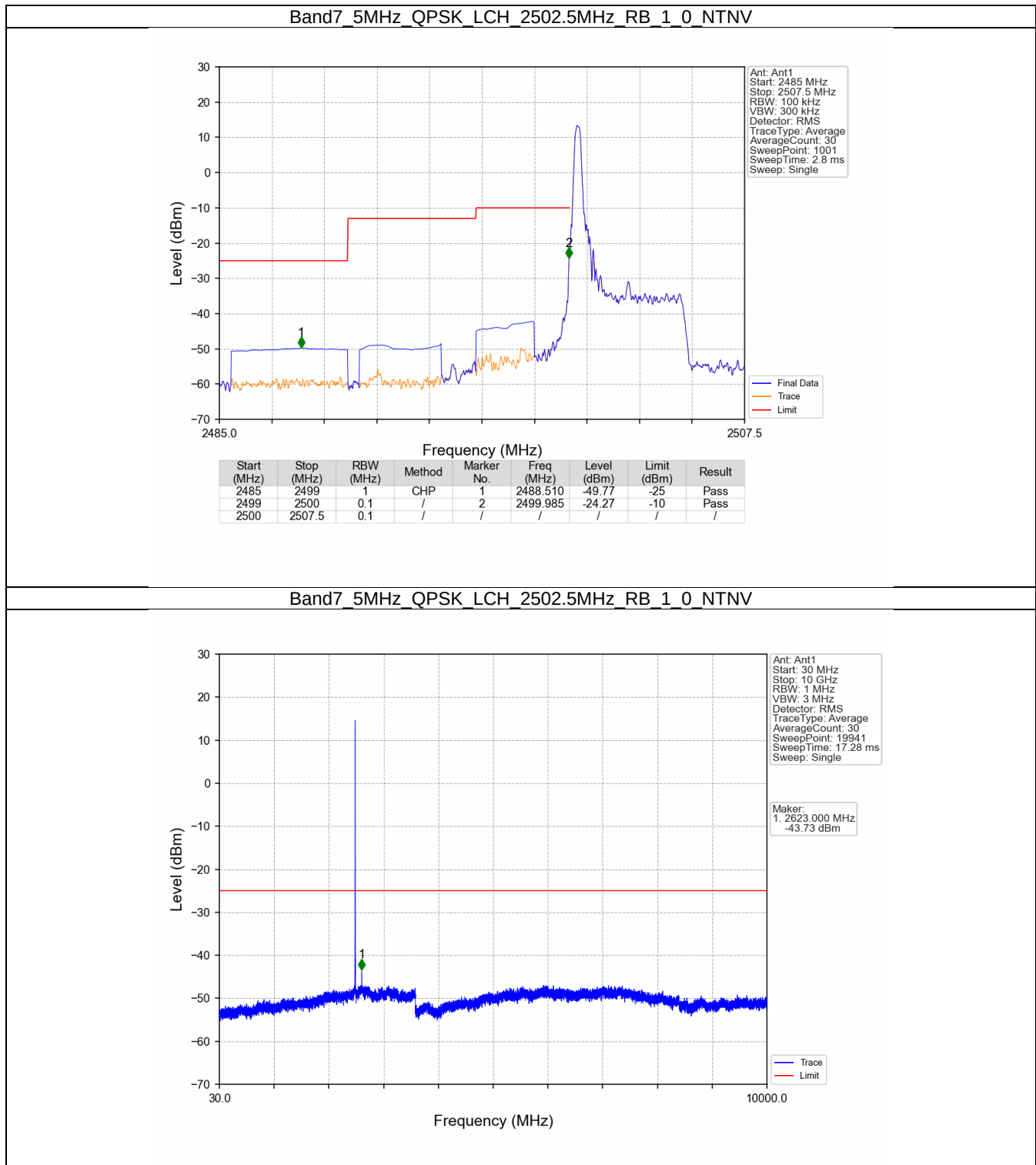
#### 6.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | 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  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 99     | 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  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 99     | Refer To Test Graph | Pass  |
|                                   |                 |               | 99     | Refer To Test Graph | Pass  |
|                                   |                 | 100           | 0      | Refer To Test Graph | Pass  |

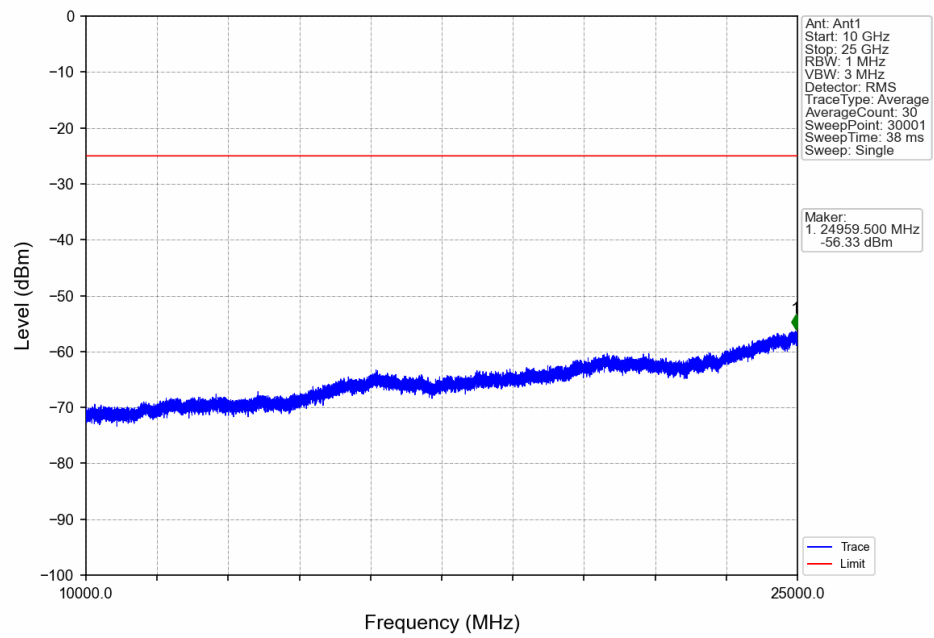


## 6.2 Test Graph

### 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

