

## **Appendix Test Data for LTE\_band\_7**

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

### 1.1 Test Result

#### 1.1.1 B7\_5MHz\_EIRP

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2502.5          | 1             | 0      | 22.86                 | 3.90       | 26.76      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.97                 | 3.90       | 26.87      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.86                 | 3.90       | 26.76      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.90                 | 3.90       | 25.80      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.99                 | 3.90       | 25.89      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.94                 | 3.90       | 25.84      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.91                 | 3.90       | 25.81      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.77                 | 3.90       | 26.67      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.97                 | 3.90       | 26.87      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.80                 | 3.90       | 26.70      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.88                 | 3.90       | 25.78      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.94                 | 3.90       | 25.84      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.93                 | 3.90       | 25.83      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.87                 | 3.90       | 25.77      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 22.72                 | 3.90       | 26.62      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.88                 | 3.90       | 26.78      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.74                 | 3.90       | 26.64      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.80                 | 3.90       | 25.70      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.88                 | 3.90       | 25.78      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.86                 | 3.90       | 25.76      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.81                 | 3.90       | 25.71      | <=33.01 | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | 21.94                 | 3.90       | 25.84      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.07                 | 3.90       | 25.97      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.95                 | 3.90       | 25.85      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.89                 | 3.90       | 24.79      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.97                 | 3.90       | 24.87      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.90                 | 3.90       | 24.80      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.93                 | 3.90       | 24.83      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.03                 | 3.90       | 25.93      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.19                 | 3.90       | 26.09      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.05                 | 3.90       | 25.95      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.86                 | 3.90       | 24.76      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.96                 | 3.90       | 24.86      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.94                 | 3.90       | 24.84      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 21.55                 | 3.90       | 25.45      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.70                 | 3.90       | 25.60      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.61                 | 3.90       | 25.51      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.80                 | 3.90       | 24.70      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.85                 | 3.90       | 24.75      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.83                 | 3.90       | 24.73      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.85                 | 3.90       | 24.75      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B7\_10MHz\_EIRP

| Band: 7 / Bandwidth: 10MHz / NTN/V |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2505            | 1             | 0      | 22.87                 | 3.90       | 26.77      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.08                 | 3.90       | 26.98      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.93                 | 3.90       | 26.83      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.90                 | 3.90       | 25.80      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.95                 | 3.90       | 25.85      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.96                 | 3.90       | 25.86      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.92                 | 3.90       | 25.82      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.79                 | 3.90       | 26.69      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.02                 | 3.90       | 26.92      | <=33.01 | Pass    |
|                                    | 2535            | 1             | 49     | 22.87                 | 3.90       | 26.77      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.89                 | 3.90       | 25.79      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.93                 | 3.90       | 25.83      | <=33.01 | Pass    |
|                                    |                 | 25            | 25     | 21.98                 | 3.90       | 25.88      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.94                 | 3.90       | 25.84      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.77                 | 3.90       | 26.67      | <=33.01 | Pass    |
|                                    |                 | 25            | 25     | 22.97                 | 3.90       | 26.87      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.83                 | 3.90       | 26.73      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.83                 | 3.90       | 25.73      | <=33.01 | Pass    |
| 16QAM                              | 2505            | 1             | 13     | 21.87                 | 3.90       | 25.77      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.88                 | 3.90       | 25.78      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.84                 | 3.90       | 25.74      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.95                 | 3.90       | 25.85      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.04                 | 3.90       | 25.94      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 21.95                 | 3.90       | 25.85      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.00                 | 3.90       | 24.90      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.03                 | 3.90       | 24.93      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.03                 | 3.90       | 24.93      | <=33.01 | Pass    |
|                                    | 2535            | 1             | 0      | 20.95                 | 3.90       | 24.85      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.85                 | 3.90       | 25.75      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.22                 | 3.90       | 26.12      | <=33.01 | Pass    |
|                                    |                 | 25            | 49     | 22.05                 | 3.90       | 25.95      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 20.89                 | 3.90       | 24.79      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 20.95                 | 3.90       | 24.85      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.97                 | 3.90       | 24.87      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.95                 | 3.90       | 24.85      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.38                 | 3.90       | 26.28      | <=33.01 | Pass    |
|                                    | 2565            | 1             | 25     | 22.52                 | 3.90       | 26.42      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.35                 | 3.90       | 26.25      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                    |                 | 25            | 13     | 20.89                 | 3.90       | 24.79      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.93                 | 3.90       | 24.83      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 20.84                 | 3.90       | 24.74      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTN/V |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2507.5          | 1             | 0      | 22.79                 | 3.90       | 26.69      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.97                 | 3.90       | 26.87      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.78                 | 3.90       | 26.68      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.93                 | 3.90       | 25.83      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.99                 | 3.90       | 25.89      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.99                 | 3.90       | 25.89      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.96                 | 3.90       | 25.86      | <=33.01 | Pass    |
|                                    | 2535            | 1             | 0      | 22.76                 | 3.90       | 26.66      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.88                 | 3.90       | 26.78      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.81                 | 3.90       | 26.71      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.92                 | 3.90       | 25.82      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.93                 | 3.90       | 25.83      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.02                 | 3.90       | 25.92      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.94                 | 3.90       | 25.84      | <=33.01 | Pass    |
|                                    | 2562.5          | 1             | 0      | 22.66                 | 3.90       | 26.56      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.57                 | 3.90       | 26.47      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.49                 | 3.90       | 26.39      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.61                 | 3.90       | 25.51      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.61                 | 3.90       | 25.51      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.63                 | 3.90       | 25.53      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.42                 | 3.90       | 25.32      | <=33.01 | Pass    |
| 16QAM                              | 2507.5          | 1             | 0      | 22.15                 | 3.90       | 26.05      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.27                 | 3.90       | 26.17      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.14                 | 3.90       | 26.04      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 20.95                 | 3.90       | 24.85      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 20.91                 | 3.90       | 24.81      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                    | 2535            | 1             | 0      | 21.91                 | 3.90       | 25.81      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.06                 | 3.90       | 25.96      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 21.98                 | 3.90       | 25.88      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 20.87                 | 3.90       | 24.77      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 20.96                 | 3.90       | 24.86      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 20.95                 | 3.90       | 24.85      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 20.93                 | 3.90       | 24.83      | <=33.01 | Pass    |
|                                    | 2562.5          | 1             | 0      | 21.85                 | 3.90       | 25.75      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 21.98                 | 3.90       | 25.88      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 21.81                 | 3.90       | 25.71      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 20.39                 | 3.90       | 24.29      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 20.38                 | 3.90       | 24.28      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 20.43                 | 3.90       | 24.33      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 20.36                 | 3.90       | 24.26      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTN/V |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2510            | 1             | 0      | 22.61                 | 3.90       | 26.51      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.06                 | 3.90       | 26.96      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.59                 | 3.90       | 26.49      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.85                 | 3.90       | 25.75      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.89                 | 3.90       | 25.79      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.85                 | 3.90       | 25.75      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.82                 | 3.90       | 25.72      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.82                 | 3.90       | 25.72      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.82                 | 3.90       | 25.72      | <=33.01 | Pass    |
|                                    | 2535            | 1             | 0      | 22.62                 | 3.90       | 26.52      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.02                 | 3.90       | 26.92      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.65                 | 3.90       | 26.55      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.80                 | 3.90       | 25.70      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.94                 | 3.90       | 25.84      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.93                 | 3.90       | 25.83      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.90                 | 3.90       | 25.80      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.90                 | 3.90       | 25.80      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.90                 | 3.90       | 25.80      | <=33.01 | Pass    |
|                                    | 2560            | 1             | 0      | 22.23                 | 3.90       | 26.13      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.72                 | 3.90       | 26.62      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.16                 | 3.90       | 26.06      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.38                 | 3.90       | 25.28      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.49                 | 3.90       | 25.39      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.42                 | 3.90       | 25.32      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.38                 | 3.90       | 25.28      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.38                 | 3.90       | 25.28      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.38                 | 3.90       | 25.28      | <=33.01 | Pass    |
| 16QAM                              | 2510            | 1             | 0      | 22.17                 | 3.90       | 26.07      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.59                 | 3.90       | 26.49      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.19                 | 3.90       | 26.09      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.81                 | 3.90       | 24.71      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.90                 | 3.90       | 24.80      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.85                 | 3.90       | 24.75      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 20.88                 | 3.90       | 24.78      | <=33.01 | Pass    |
|                                    | 2535            | 1             | 0      | 21.78                 | 3.90       | 25.68      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.24                 | 3.90       | 26.14      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.83                 | 3.90       | 25.73      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.84                 | 3.90       | 24.74      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.93                 | 3.90       | 24.83      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.93                 | 3.90       | 24.83      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 20.87                 | 3.90       | 24.77      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.87                 | 3.90       | 24.77      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 20.87                 | 3.90       | 24.77      | <=33.01 | Pass    |
|                                    | 2560            | 1             | 0      | 21.36                 | 3.90       | 25.26      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.81                 | 3.90       | 25.71      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.42                 | 3.90       | 25.32      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.32                 | 3.90       | 24.22      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.42                 | 3.90       | 24.32      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.32                 | 3.90       | 24.22      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 20.35                 | 3.90       | 24.25      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.35                 | 3.90       | 24.25      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 20.35                 | 3.90       | 24.25      | <=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 (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 2502.5          | 25            | 0      | 20         | 102           | -7.539           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 120           | -9.499           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 138           | -2.761           | -0.0011               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 120           | 1.016            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 120           | -10.042          | -0.0040               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 120           | -9.828           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 120           | -7.181           | -0.0029               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 120           | -5.794           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 120           | -3.262           | -0.0013               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 120           | -7.067           | -0.0028               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 120           | -2.475           | -0.0010               | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | 102           | -9.599           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 120           | -5.236           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 138           | -7.253           | -0.0029               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 120           | -4.349           | -0.0017               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 120           | -7.639           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 120           | -9.928           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 120           | -12.832          | -0.0051               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 120           | -10.643          | -0.0042               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 120           | -11.916          | -0.0047               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 120           | 1.945            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 120           | -9.956           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           | 2567.5          | 25            | 0      | 20         | 102           | -2.818           | -0.0011               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 120           | -2.475           | -0.0010               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 138           | -0.114           | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 120           | -0.873           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 120           | 0.315            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 120           | 1.073            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 120           | 2.704            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 120           | -9.413           | -0.0037               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 120           | -8.140           | -0.0032               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 120           | -2.389           | -0.0009               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 120           | -0.501           | -0.0002               | -2.5 to 2.5 | Pass    |
| 16QAM                     | 2502.5          | 25            | 0      | 20         | 102           | -7.968           | -0.0032               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 120           | 0.415            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 138           | -4.263           | -0.0017               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 120           | 0.858            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 120           | 0.215            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 120           | 4.320            | 0.0017                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 120           | -5.450           | -0.0022               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 120           | -4.749           | -0.0019               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 120           | 0.286            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 120           | -3.033           | -0.0012               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 120           | -8.969           | -0.0036               | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | 102           | -3.433           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 120           | -5.693           | -0.0022               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 138           | -4.020           | -0.0016               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 120           | -10.386          | -0.0041               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 120           | -10.686          | -0.0042               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 120           | -2.718           | -0.0011               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |     |         |         |             |      |
|--|--------|----|---|-----|-----|---------|---------|-------------|------|
|  |        |    |   | 0   | 120 | 3.247   | 0.0013  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 120 | -8.197  | -0.0032 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 120 | -3.204  | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 120 | -10.142 | -0.0040 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 120 | 8.597   | 0.0034  | -2.5 to 2.5 | Pass |
|  | 2567.5 | 25 | 0 | 20  | 102 | -10.686 | -0.0042 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 120 | -19.441 | -0.0076 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 138 | -3.805  | -0.0015 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 120 | -0.629  | -0.0002 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 120 | -12.102 | -0.0047 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 120 | -7.954  | -0.0031 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 120 | -5.522  | -0.0022 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 120 | -13.876 | -0.0054 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 120 | -0.186  | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 120 | -4.005  | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 120 | -10.586 | -0.0041 | -2.5 to 2.5 | Pass |

## 2.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2505            | 50            | 0      | 20         | 102           | -4.420           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | 0.844            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | -4.807           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 120           | -3.605           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 120           | -1.688           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | -7.238           | -0.0029               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 120           | -0.429           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 120           | -0.658           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 120           | -0.958           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 120           | 2.518            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 50            | 0      | 20         | 102           | -12.703          | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | 3.133            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | 5.021            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 120           | -4.849           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 120           | -0.372           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | -5.636           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 120           | -0.801           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 120           | -5.536           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 120           | -4.106           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 120           | -4.678           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            | 2565            | 50            | 0      | 20         | 102           | 1.230            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | -6.723           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | -2.618           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 120           | -7.710           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 120           | -6.251           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | -9.627           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | -6.080           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 120           | 1.774            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 120           | -0.858           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 120           | -14.935          | -0.0058               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2505            | 50            | 0      | 20         | 102           | 2.475            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | -2.933           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | -1.731           | 0.0007                | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |     |         |         |             |      |
|--|------|----|---|-----|-----|---------|---------|-------------|------|
|  |      |    |   | -30 | 120 | -0.587  | -0.0002 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 120 | -2.646  | -0.0011 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 120 | -7.496  | -0.0030 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 120 | -9.413  | -0.0038 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 120 | -4.978  | -0.0020 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 120 | -0.386  | -0.0002 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 120 | -9.971  | -0.0040 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 120 | 2.031   | 0.0008  | -2.5 to 2.5 | Pass |
|  | 2535 | 50 | 0 | 20  | 102 | -0.629  | -0.0002 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 120 | -6.151  | -0.0024 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 138 | -1.674  | -0.0007 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 120 | -0.572  | -0.0002 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 120 | 1.059   | 0.0004  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 120 | -3.419  | -0.0013 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 120 | 5.593   | 0.0022  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 120 | -0.114  | 0.0000  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 120 | -1.388  | -0.0005 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 120 | -10.085 | -0.0040 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 120 | 7.038   | 0.0028  | -2.5 to 2.5 | Pass |
|  | 2565 | 50 | 0 | 20  | 102 | -5.808  | -0.0023 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 120 | -3.748  | -0.0015 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 138 | -9.484  | -0.0037 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 120 | -6.638  | -0.0026 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 120 | -6.380  | -0.0025 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 120 | -2.117  | -0.0008 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 120 | -10.099 | -0.0039 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 120 | -9.484  | -0.0037 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 120 | 1.774   | 0.0007  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 120 | -7.539  | -0.0029 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 120 | -15.249 | -0.0059 | -2.5 to 2.5 | Pass |

### 2.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2507.5          | 75            | 0      | 20         | 102           | -5.865           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | -8.512           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | -4.935           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 120           | -0.930           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 120           | -5.178           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | -3.219           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 120           | -0.429           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 120           | -1.974           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 120           | 1.631            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 120           | -3.147           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 120           | -3.533           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 102           | -0.772           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | -6.952           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | -0.830           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 120           | -5.851           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 120           | -9.685           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | 1.702            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 120           | -4.005           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 120           | -4.048           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 120           | -5.293           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 120           | 2.546            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 120           | -4.420           | -0.0017               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |     |         |         |             |      |
|-------|--------|----|---|-----|-----|---------|---------|-------------|------|
|       | 2562.5 | 75 | 0 | 20  | 102 | -4.692  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 120 | -7.567  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 138 | -1.044  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 120 | -4.778  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 120 | -2.232  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 120 | -9.584  | -0.0037 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 120 | -5.293  | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 120 | -7.596  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 120 | 2.089   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 120 | 1.001   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 120 | -3.190  | -0.0012 | -2.5 to 2.5 | Pass |
| 16QAM | 2507.5 | 75 | 0 | 20  | 102 | -6.852  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 120 | -6.080  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 138 | -9.599  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 120 | 0.958   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 120 | 0.544   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 120 | -1.345  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 120 | -4.606  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 120 | -4.206  | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 120 | -8.569  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 120 | -1.974  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 120 | -1.073  | -0.0004 | -2.5 to 2.5 | Pass |
|       | 2535   | 75 | 0 | 20  | 102 | -1.001  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 120 | -4.005  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 138 | -8.569  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 120 | -4.063  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 120 | 0.758   | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 120 | -4.492  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 120 | -5.922  | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 120 | -13.890 | -0.0055 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 120 | -11.358 | -0.0045 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 120 | -13.561 | -0.0053 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 120 | -10.300 | -0.0041 | -2.5 to 2.5 | Pass |
|       | 2562.5 | 75 | 0 | 20  | 102 | -2.475  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 120 | -4.749  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 138 | 1.016   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 120 | -2.732  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 120 | -4.106  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 120 | -3.719  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 120 | 1.731   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 120 | -1.059  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 120 | 3.648   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 120 | -8.569  | -0.0033 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 120 | -2.275  | -0.0009 | -2.5 to 2.5 | Pass |

## 2.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2510            | 100           | 0      | 20         | 102           | -0.114           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 120           | -3.233           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 138           | -4.764           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 120           | -5.951           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 120           | -7.896           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 120           | -13.433          | -0.0054               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 120           | -8.583           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 120           | -2.804           | -0.0011               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |     |         |         |             |      |
|-------|------|-----|---|-----|-----|---------|---------|-------------|------|
|       |      |     |   | 30  | 120 | -2.575  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 120 | -3.691  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 120 | 4.349   | 0.0017  | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 20  | 102 | -0.014  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 120 | -5.593  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 138 | -7.882  | -0.0031 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 120 | -6.409  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 120 | -9.556  | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 120 | -5.279  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 120 | -7.167  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 120 | -3.848  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 120 | 0.300   | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 120 | -8.097  | -0.0032 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 120 | -3.004  | -0.0012 | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 20  | 102 | -5.064  | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 120 | -6.609  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 138 | -7.968  | -0.0031 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 120 | -6.380  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 120 | -9.613  | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 120 | -1.960  | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 120 | -5.651  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 120 | -5.722  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 120 | -4.935  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 120 | -5.593  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 120 | -9.899  | -0.0039 | -2.5 to 2.5 | Pass |
| 16QAM | 2510 | 100 | 0 | 20  | 102 | -0.043  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 120 | -1.259  | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 138 | -2.832  | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 120 | -3.362  | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 120 | 0.172   | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 120 | -9.513  | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 120 | -6.680  | -0.0027 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 120 | -3.734  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 120 | -4.992  | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 120 | -2.532  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 120 | -4.792  | -0.0019 | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 20  | 102 | -5.693  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 120 | -0.401  | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 138 | -5.150  | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 120 | -0.772  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 120 | -6.766  | -0.0027 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 120 | 0.029   | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 120 | 1.702   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 120 | -8.740  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 120 | 2.646   | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 120 | -8.740  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 120 | -6.809  | -0.0027 | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 20  | 102 | -6.766  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 120 | -7.281  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 138 | -12.488 | -0.0049 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 120 | -11.988 | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 120 | -11.373 | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 120 | -9.470  | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 120 | -5.336  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 120 | -7.653  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 120 | -10.543 | -0.0041 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 120 | -2.275  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 120 | -7.110  | -0.0028 | -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

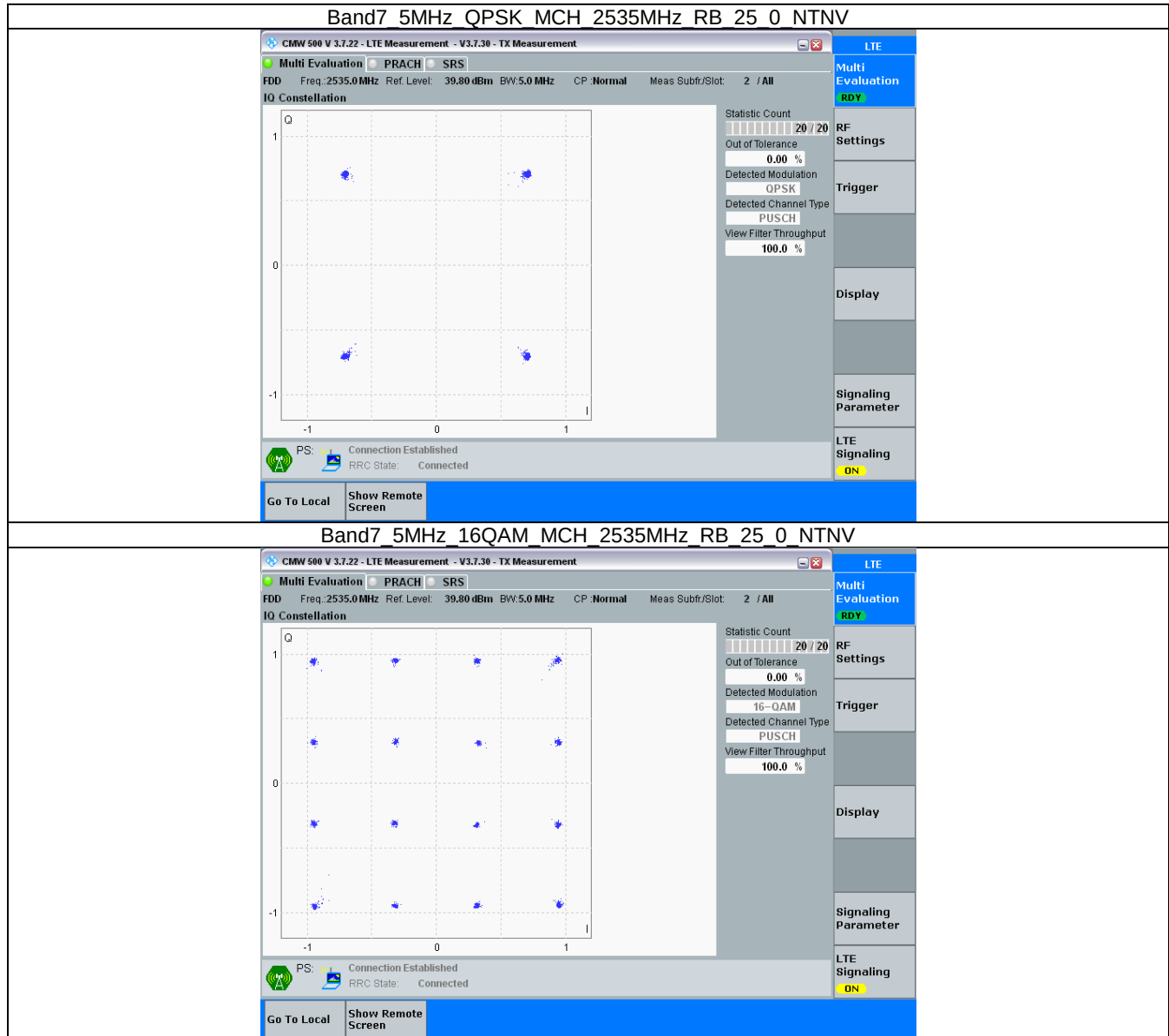
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

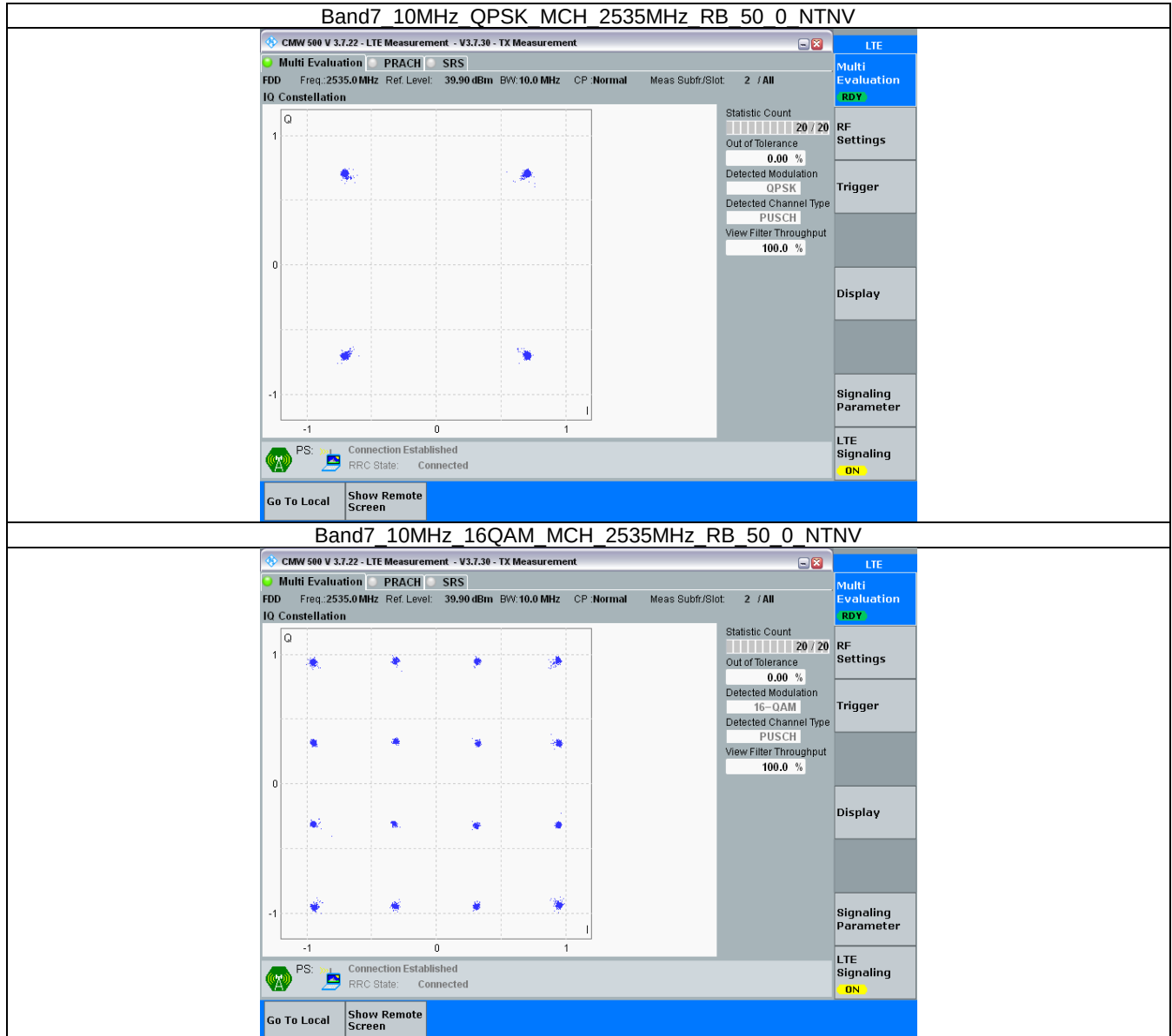
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

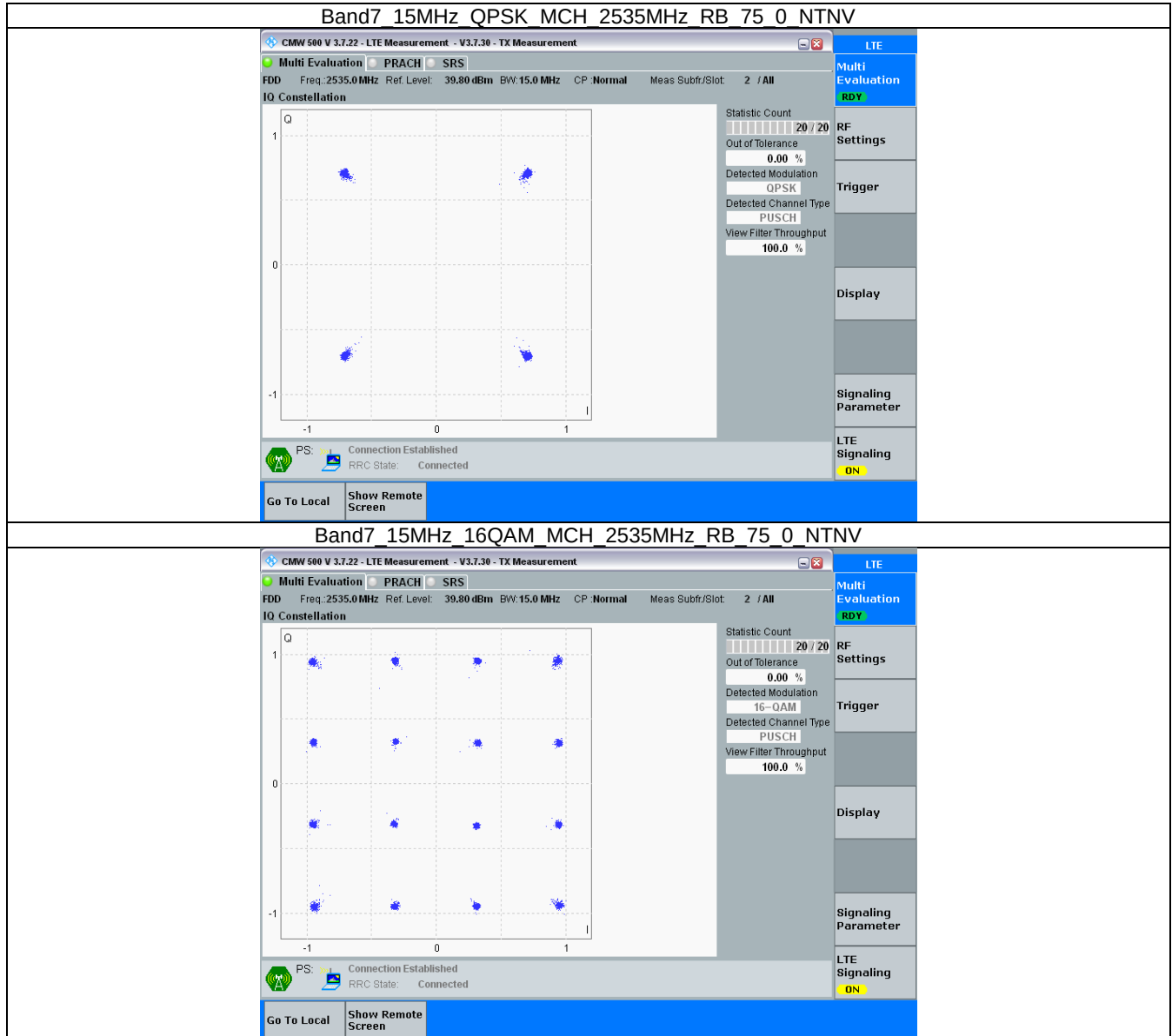
### 3.2.1 B7\_5MHz



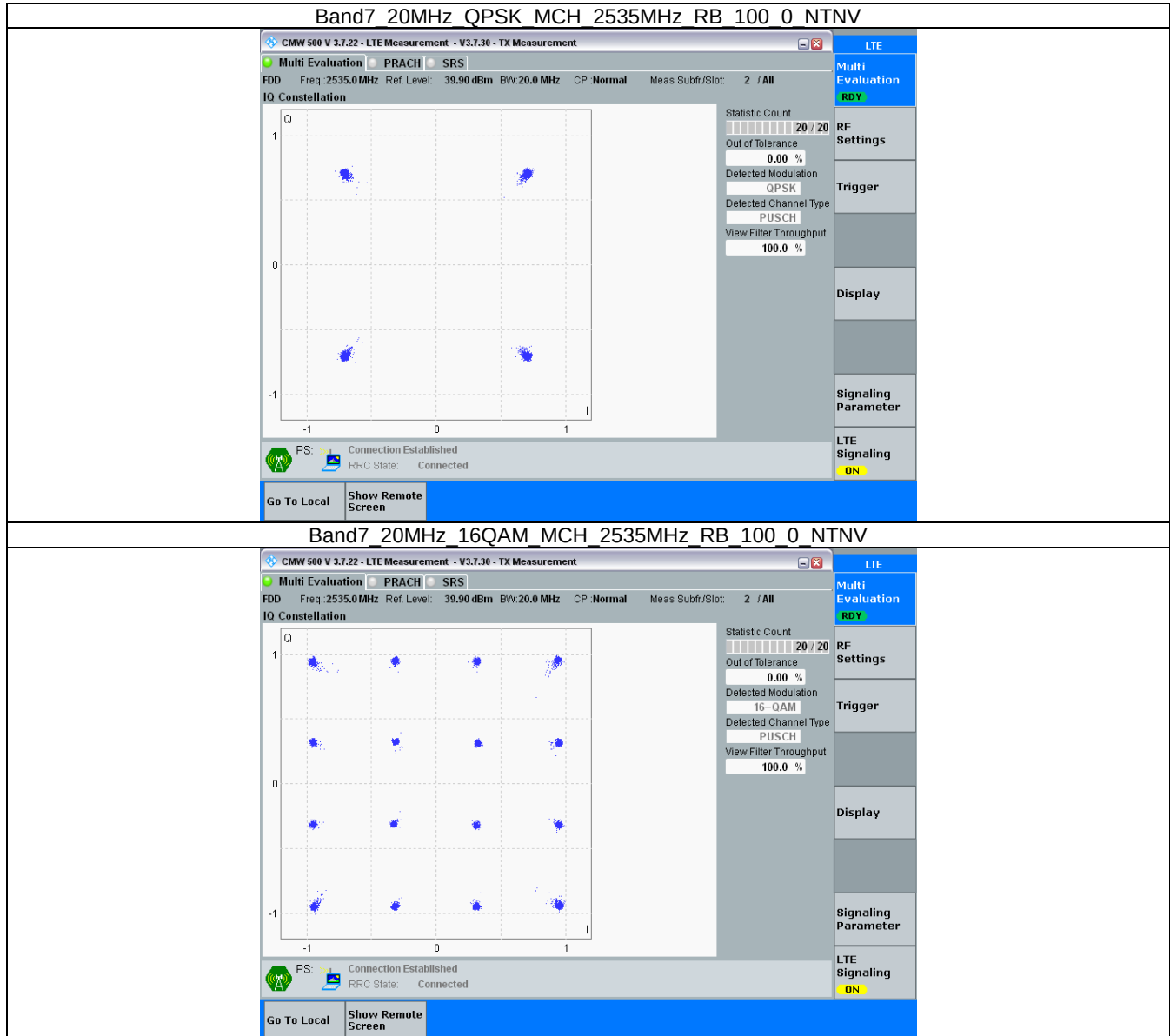
### 3.2.2 B7\_10MHz



### 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 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.553                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.540                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.569                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.542                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.566                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.575                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.044                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.045                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.096                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.056                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.062                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.079                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.559                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.606                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.645                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.626                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.637                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.651                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 18.067                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.120                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.160                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 18.022                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.131                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.155                       | /     | Pass    |

#### 4.1.2 Band7\_XDB

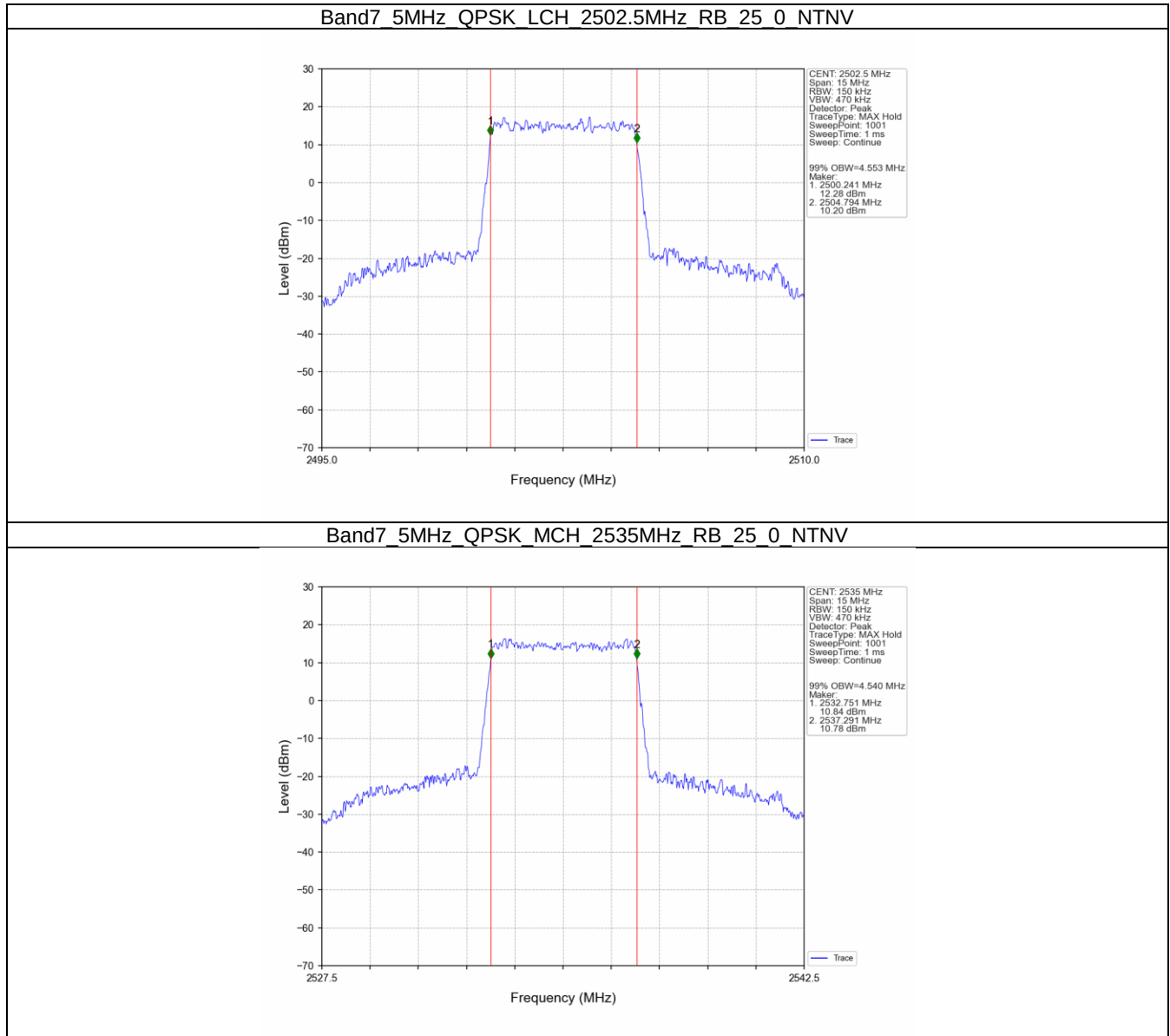
| Band: 7 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 5.075                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.056                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.407                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 5.079                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.085                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.063                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.974                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.932                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 10.063               | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.910                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.965                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.980                | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 14.975               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.952               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 15.585               | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 14.945               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.985               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 15.481               | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 19.834               | /     | Pass    |



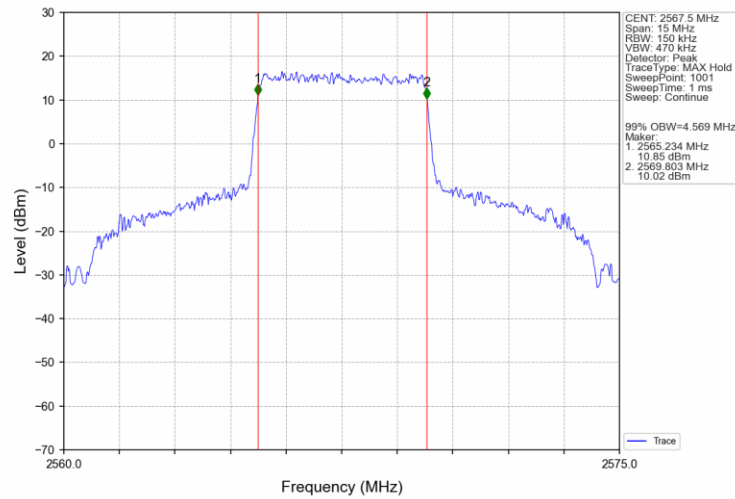
|  |       |      |     |   |        |   |      |
|--|-------|------|-----|---|--------|---|------|
|  |       | 2535 | 100 | 0 | 19.788 | / | Pass |
|  |       | 2560 | 100 | 0 | 19.637 | / | Pass |
|  | 16QAM | 2510 | 100 | 0 | 19.673 | / | Pass |
|  |       | 2535 | 100 | 0 | 19.793 | / | Pass |
|  |       | 2560 | 100 | 0 | 19.700 | / | Pass |

## 4.2 Test Graph

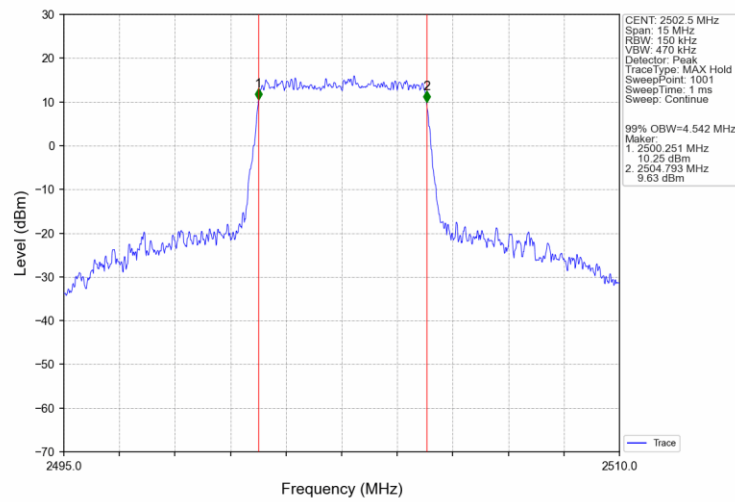
### 4.2.1 Band7\_OBW



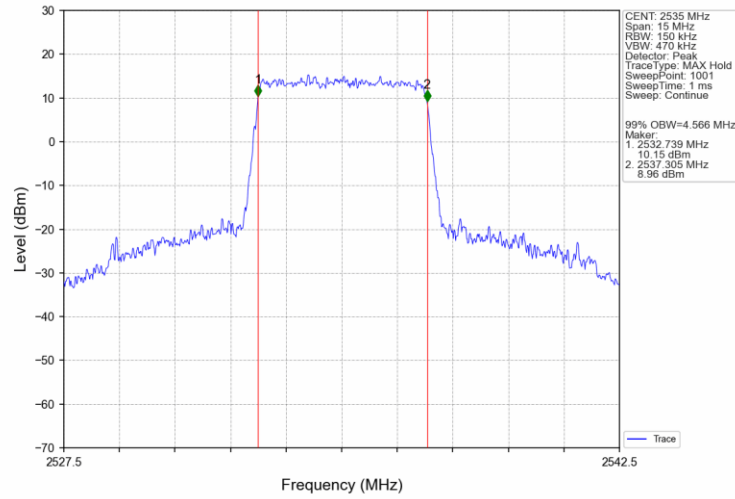
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN



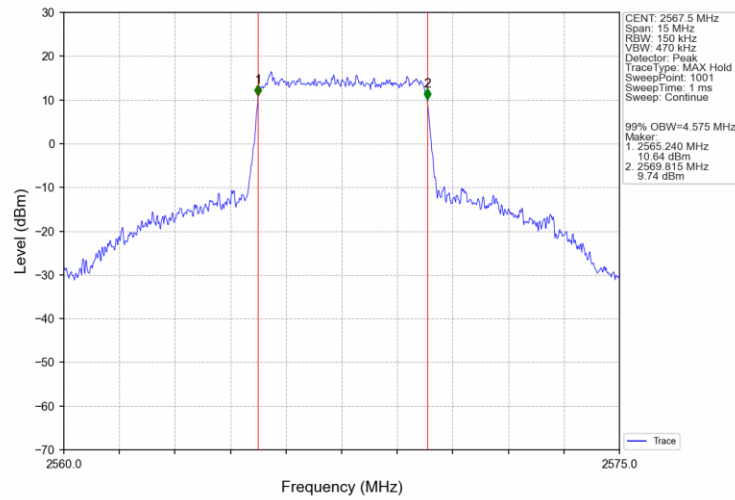
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTN



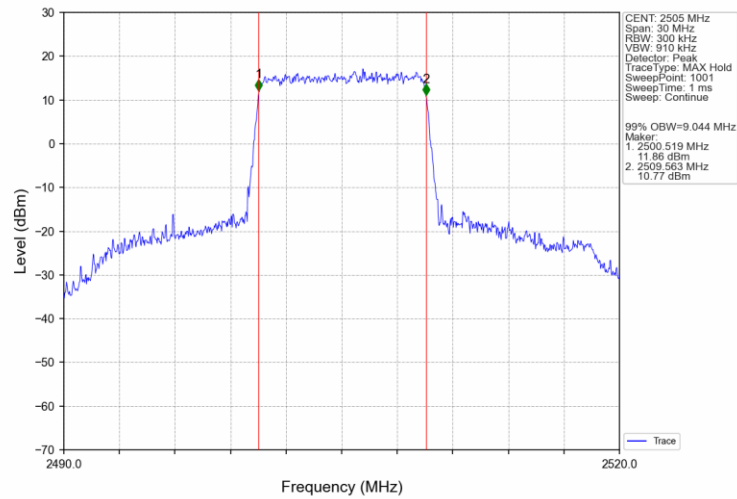
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



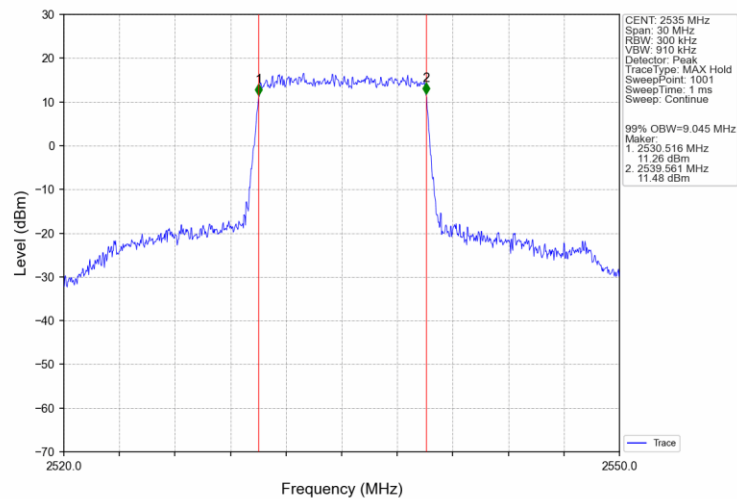
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



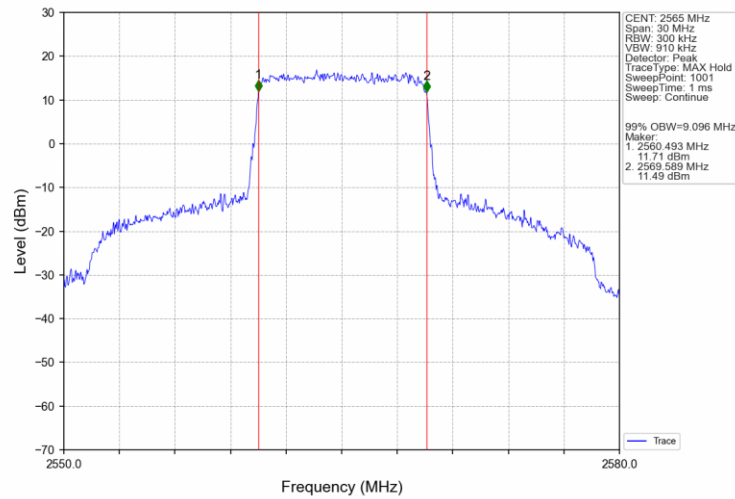
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV



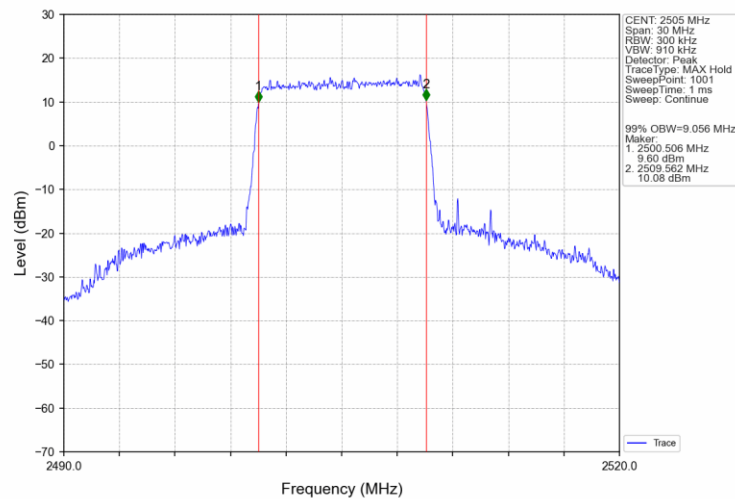
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



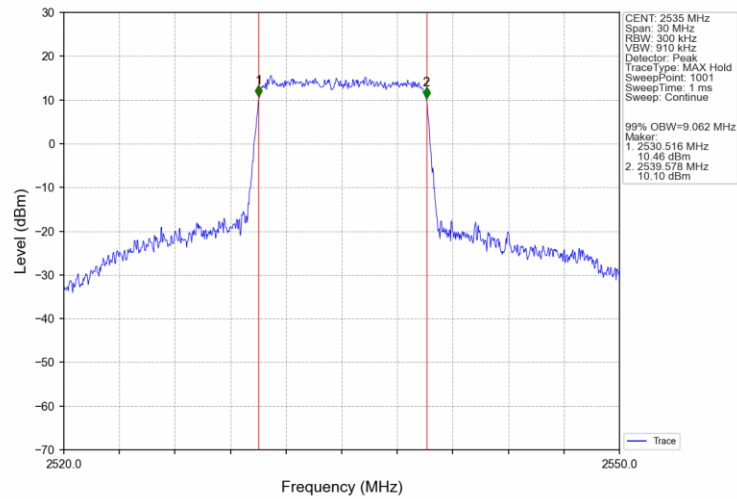
### Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



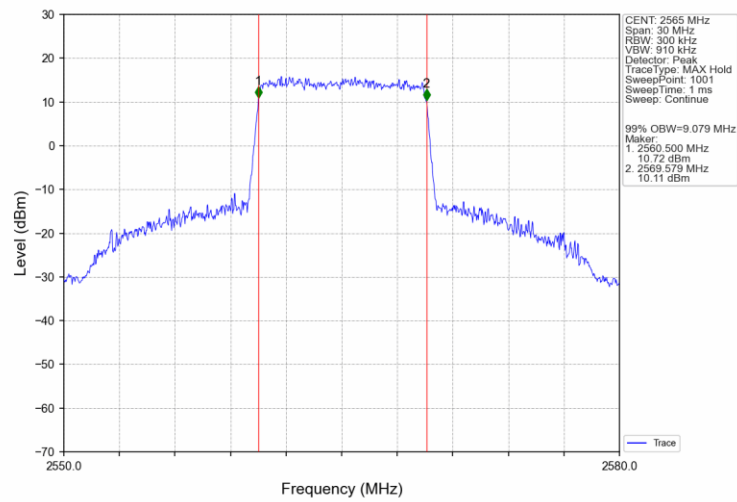
### Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



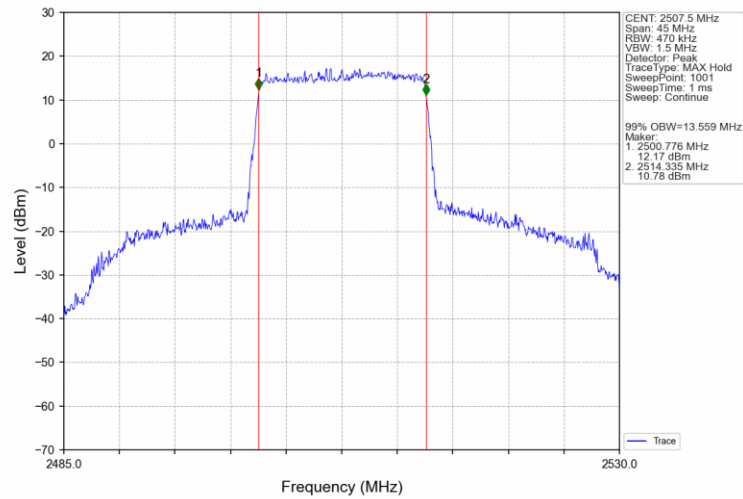
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



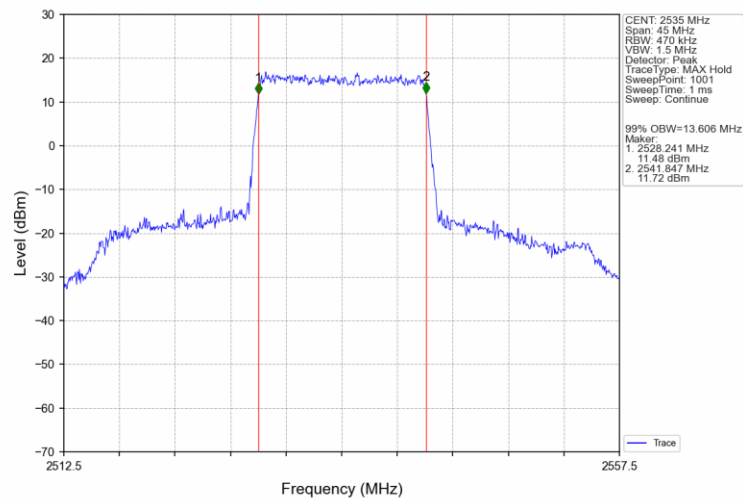
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



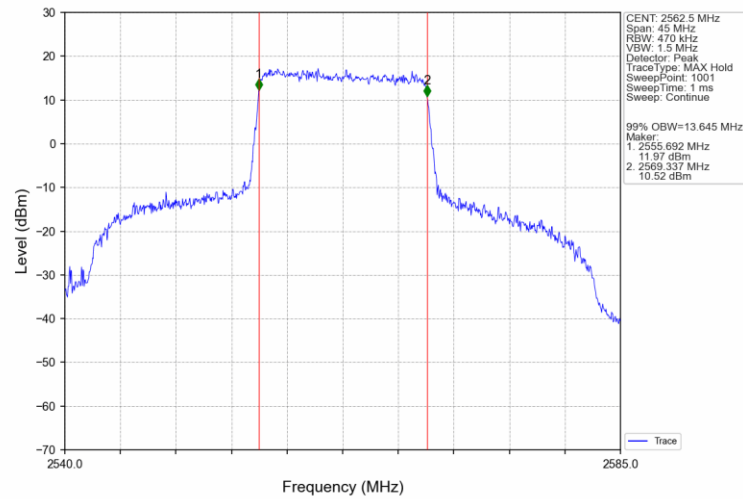
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



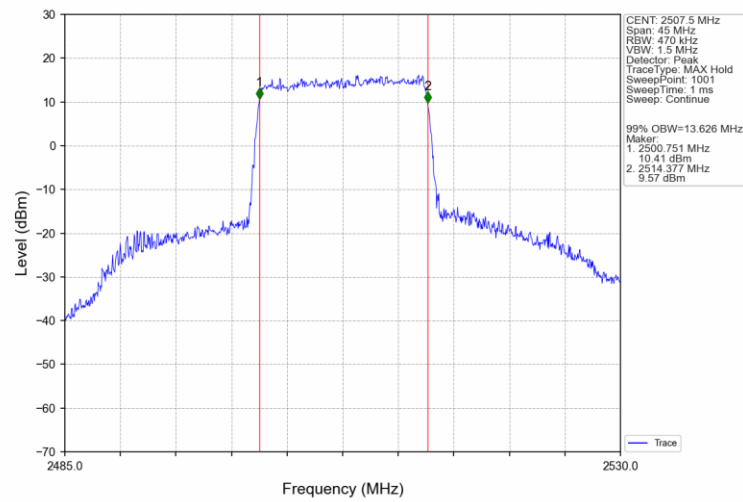
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



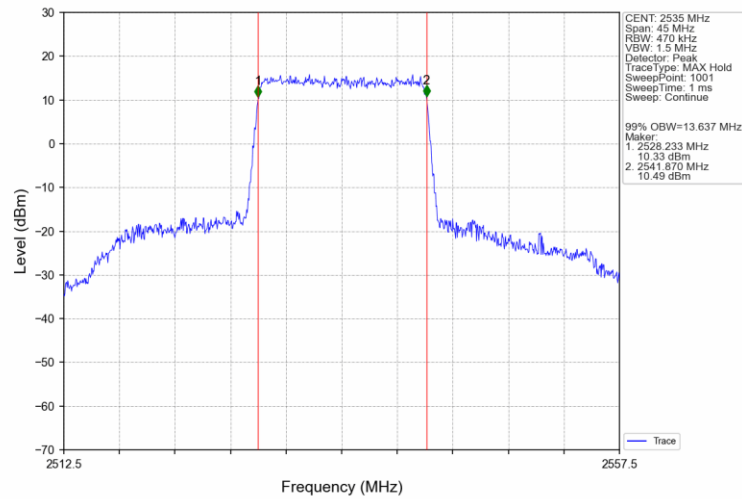
### Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



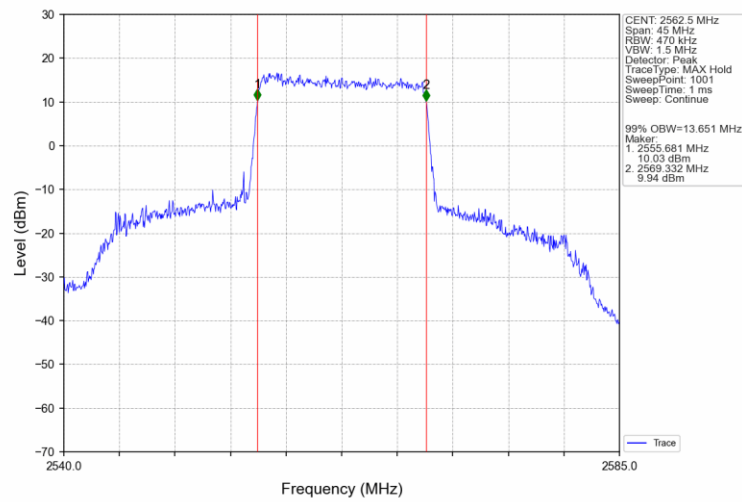
### Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



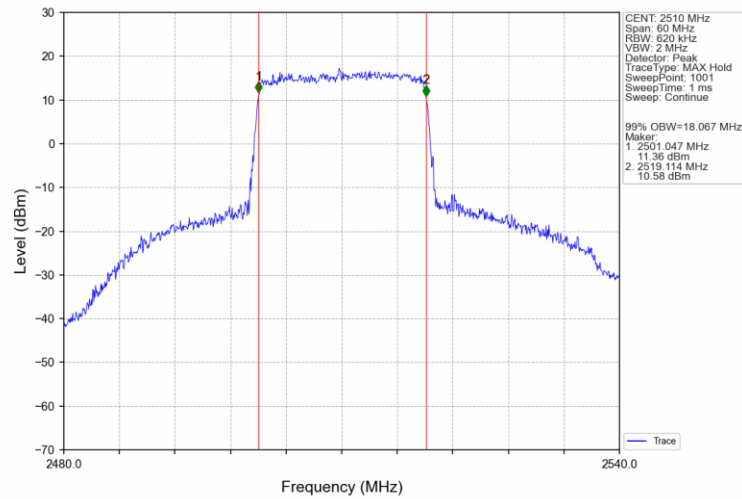
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



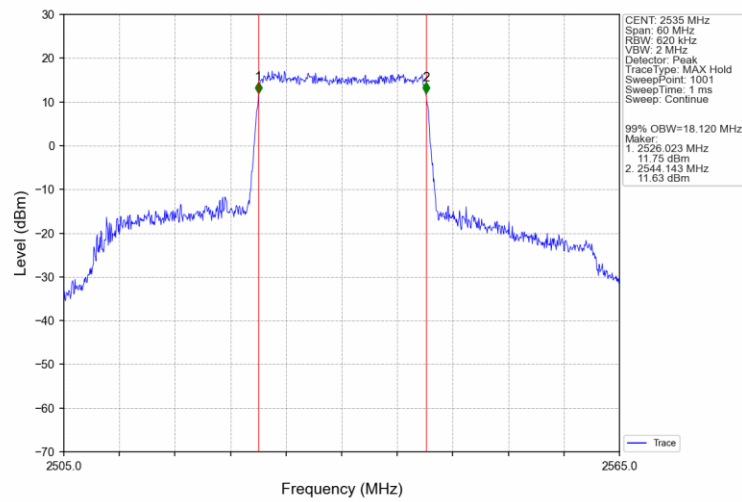
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



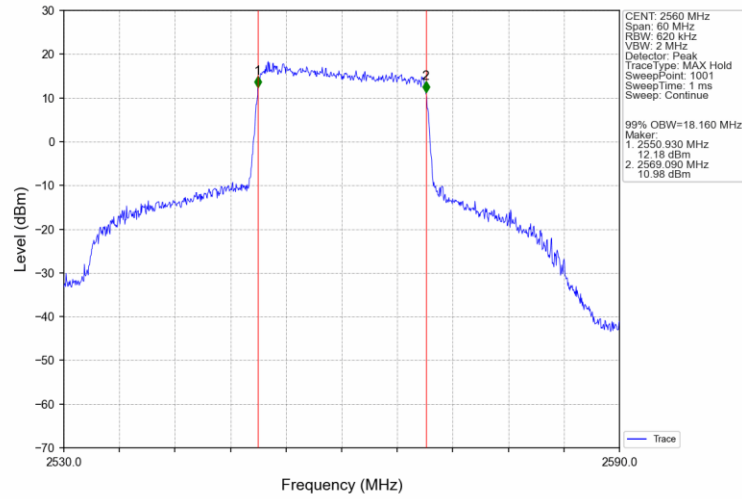
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV



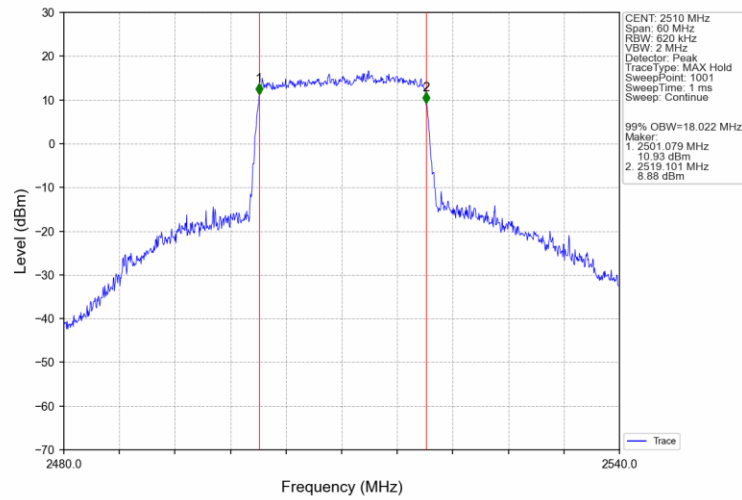
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTV



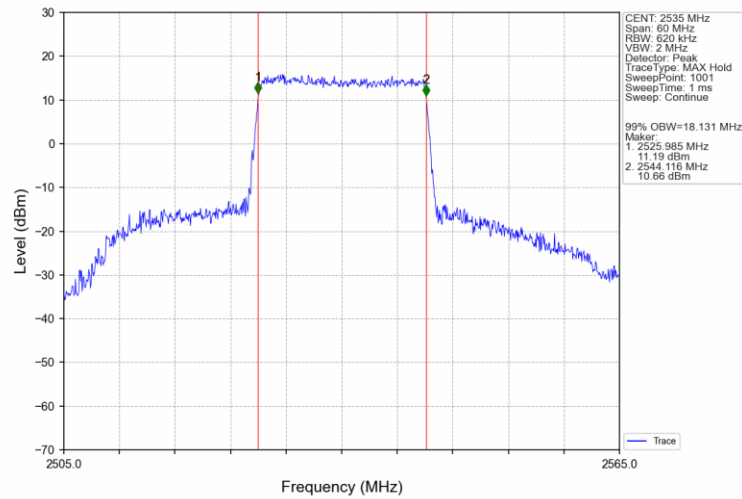
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



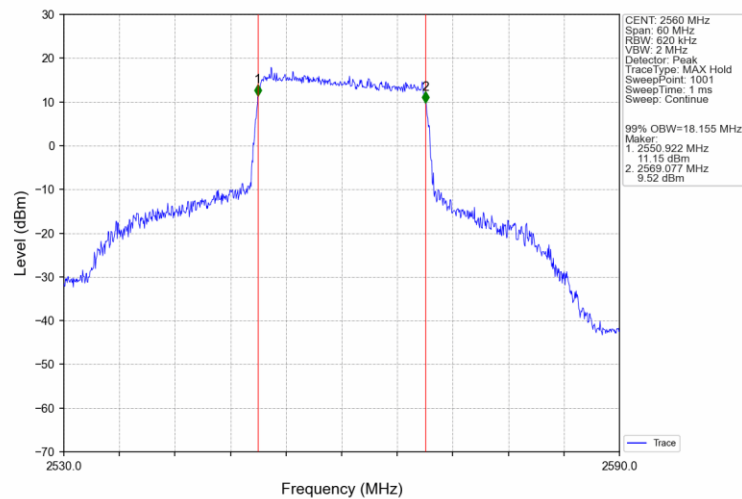
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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

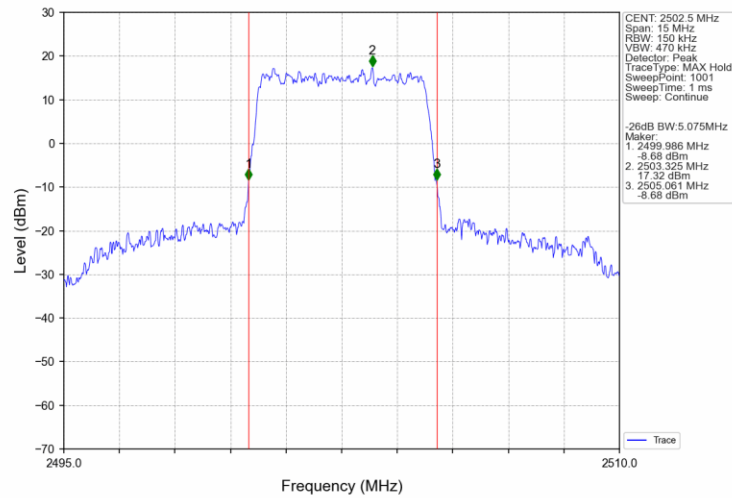


Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTN

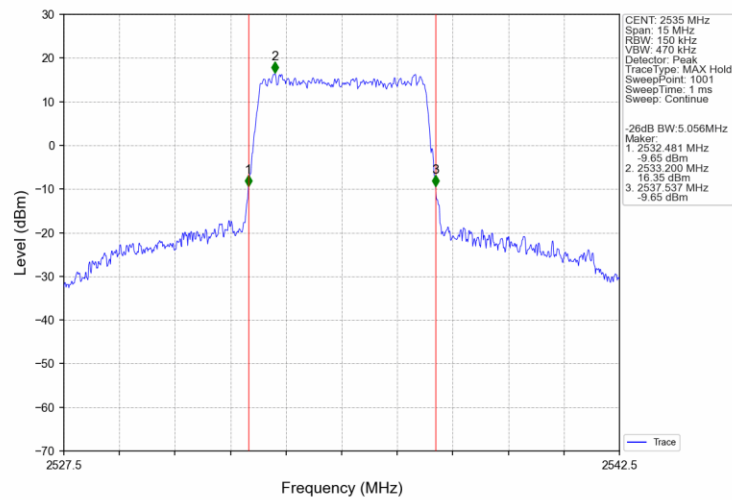


### 4.2.2 Band7\_XDB

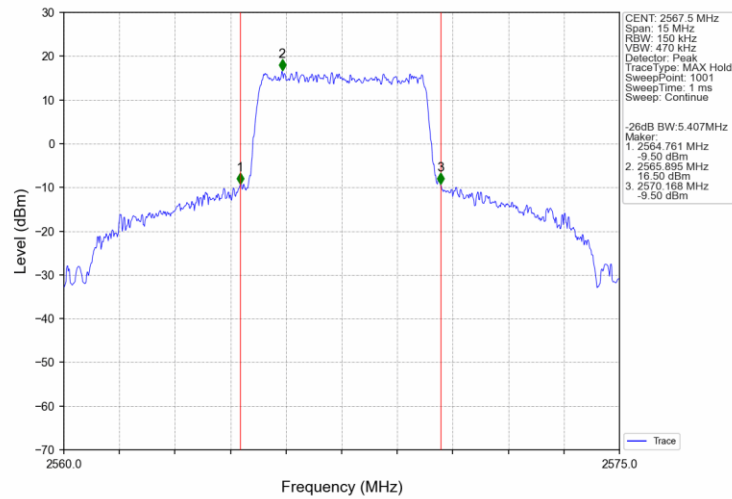
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV



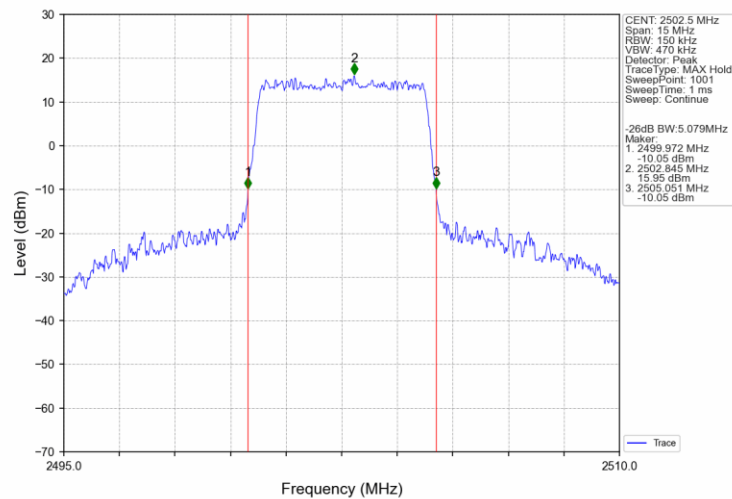
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_25\_0\_NTNV



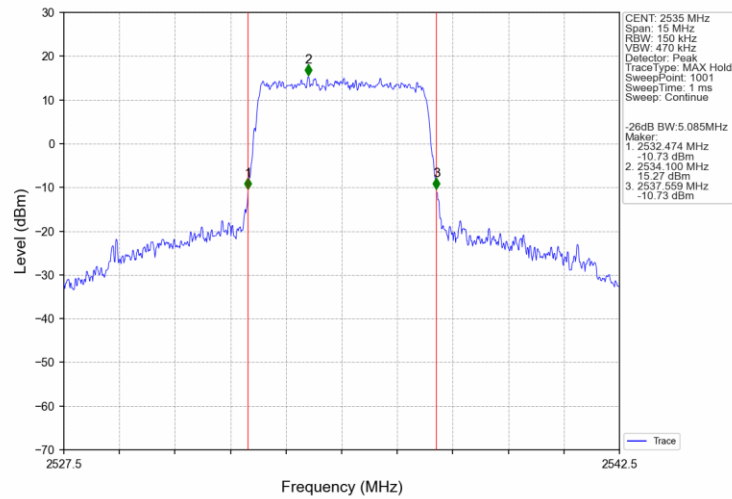
### Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN



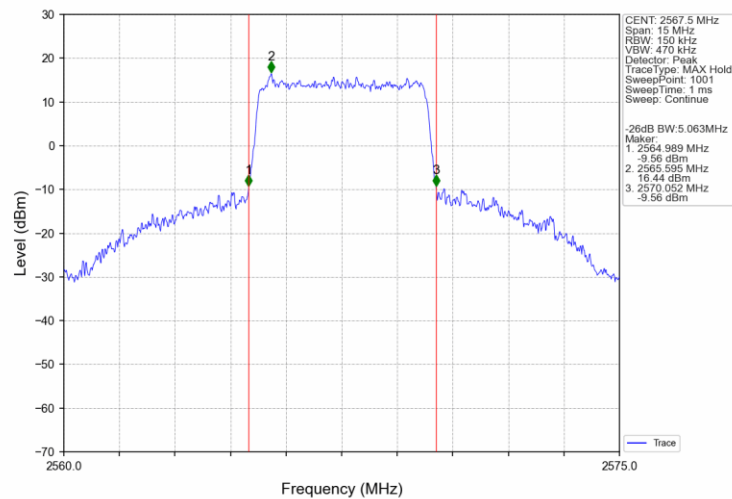
### Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTN



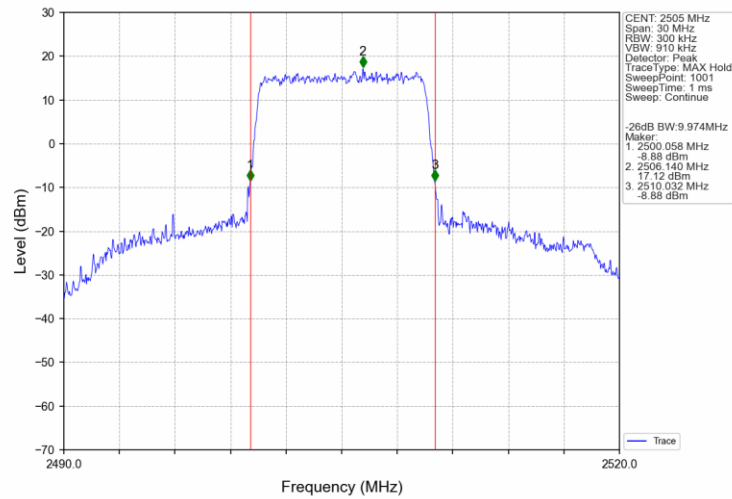
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



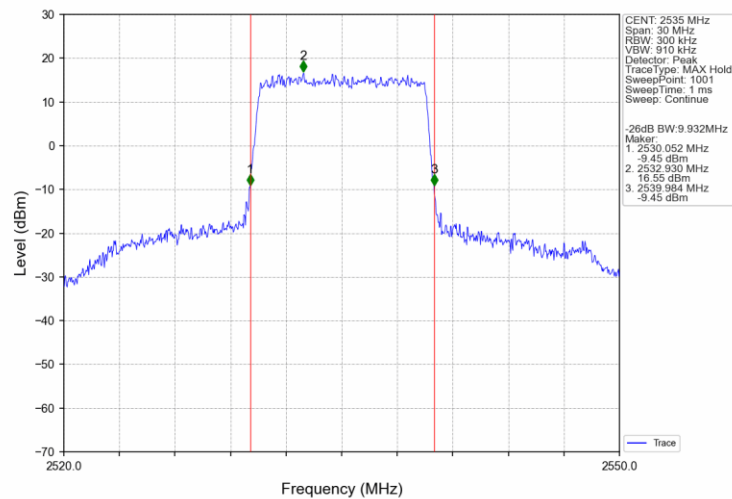
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



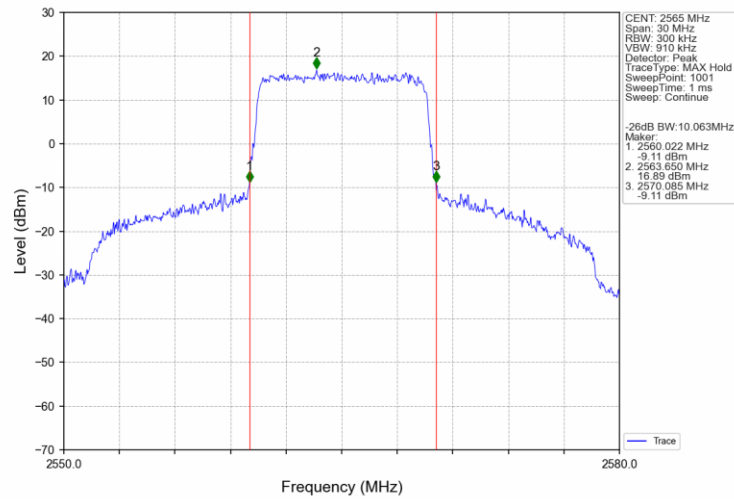
### Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



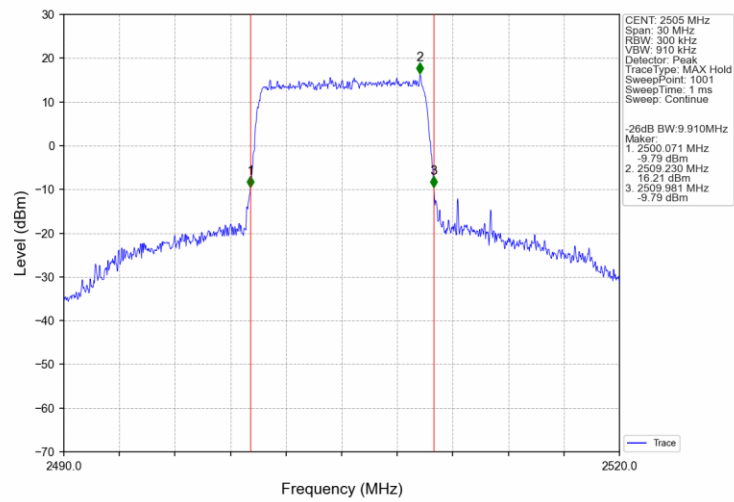
### Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



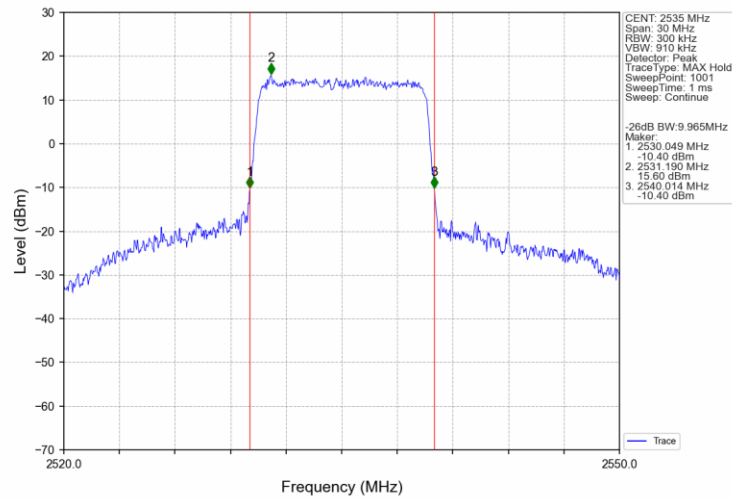
### Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



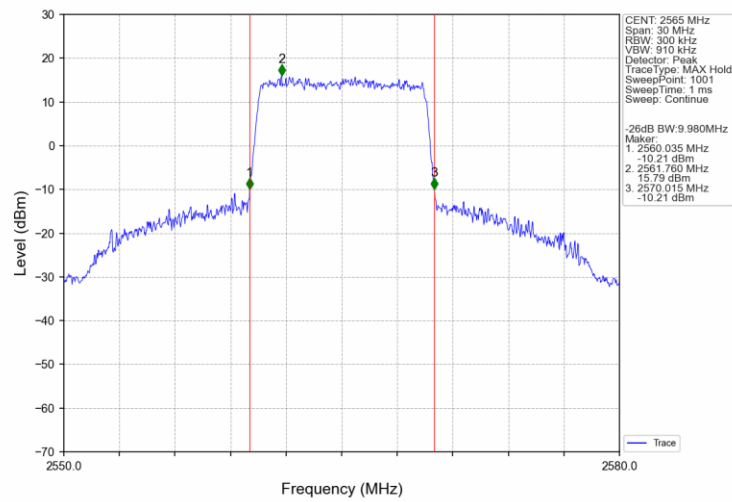
### Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



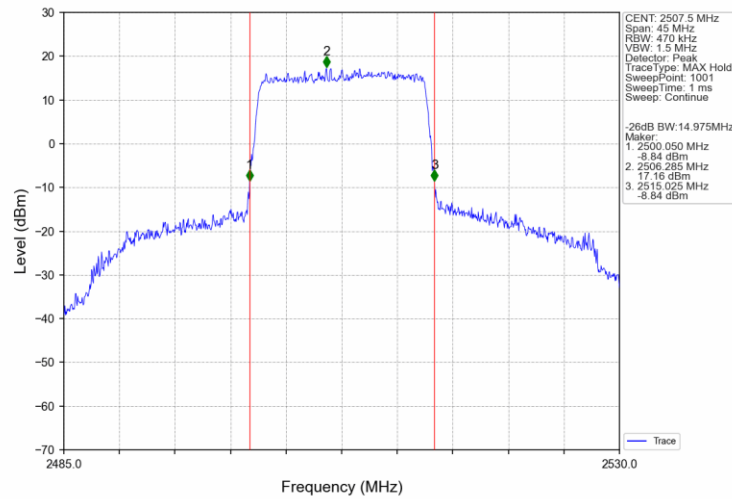
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



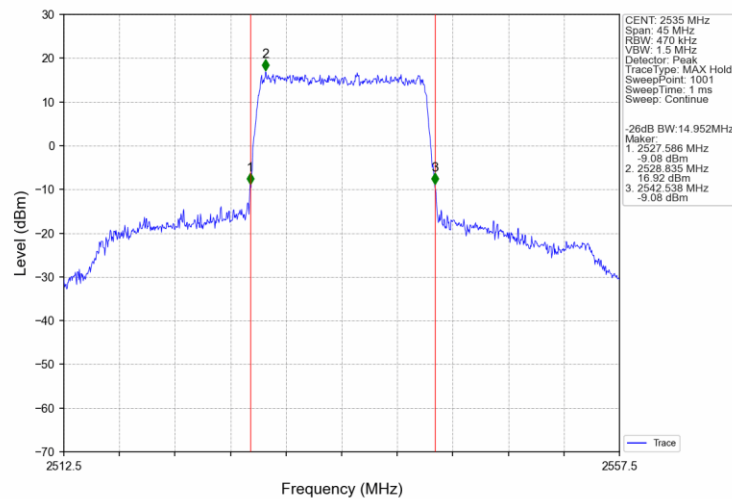
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



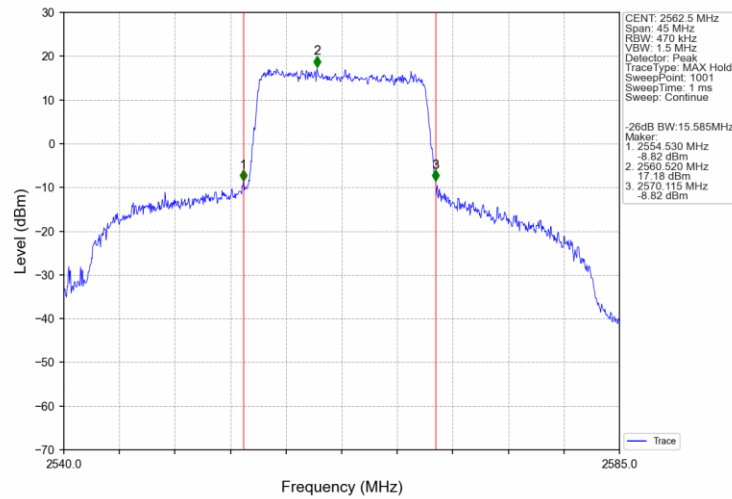
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



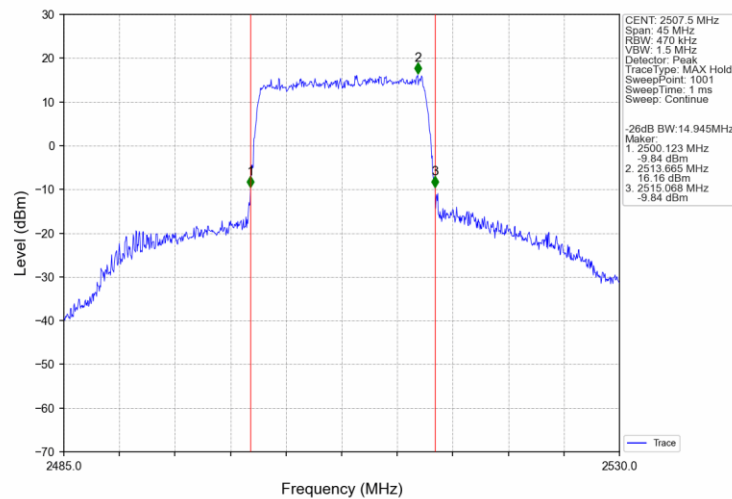
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



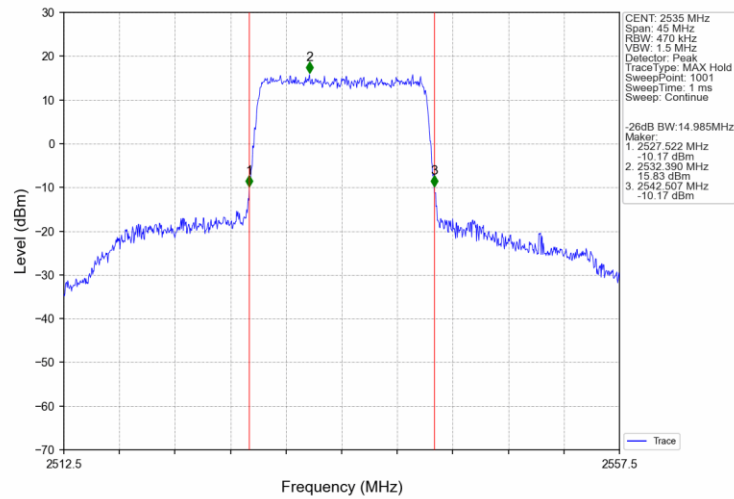
### Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTN



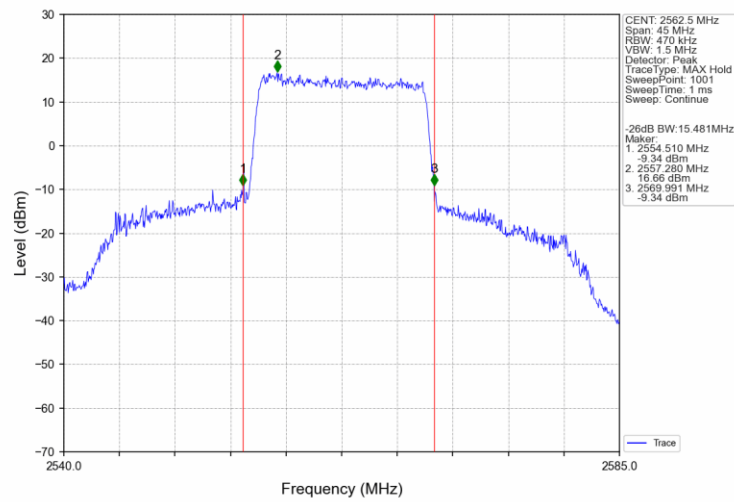
### Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTN



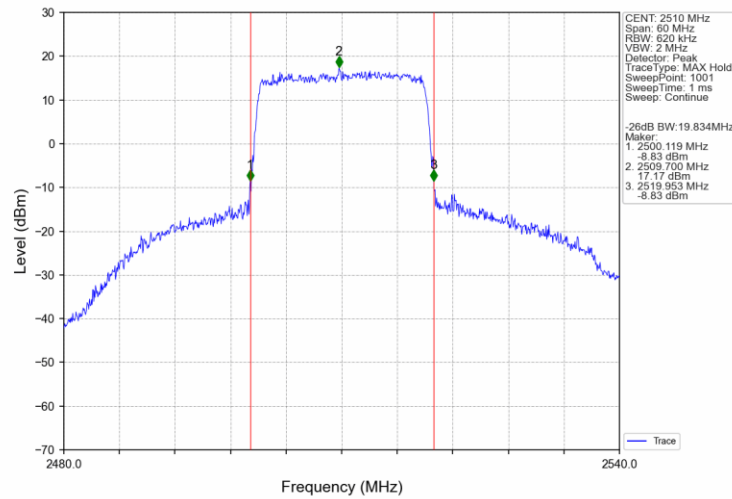
### Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



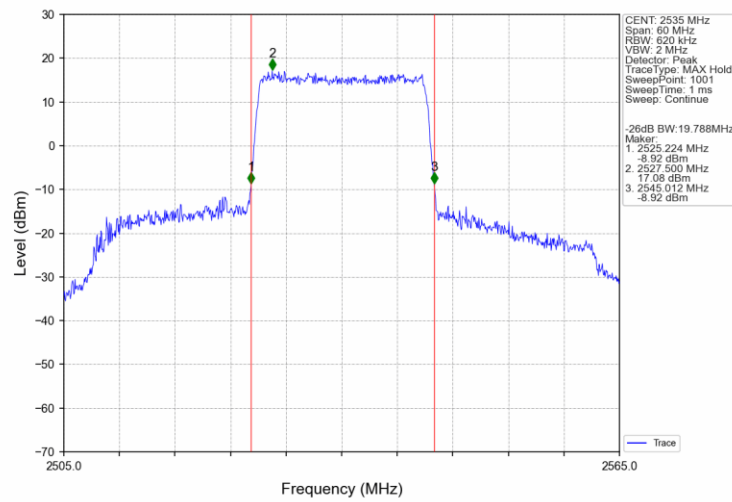
### Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



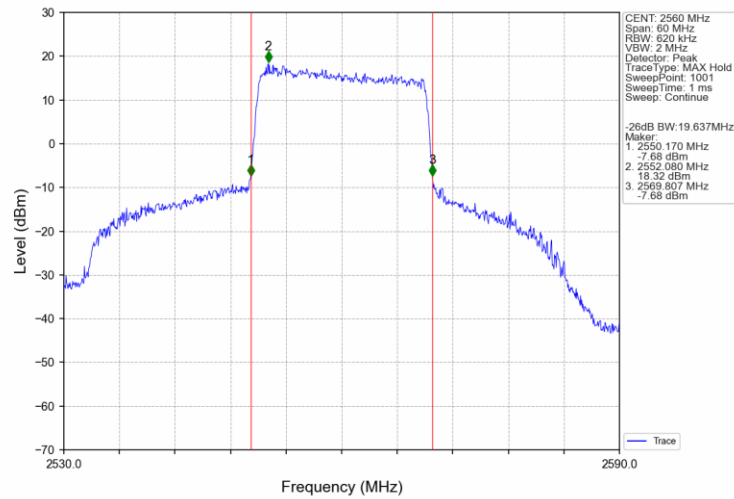
### Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV



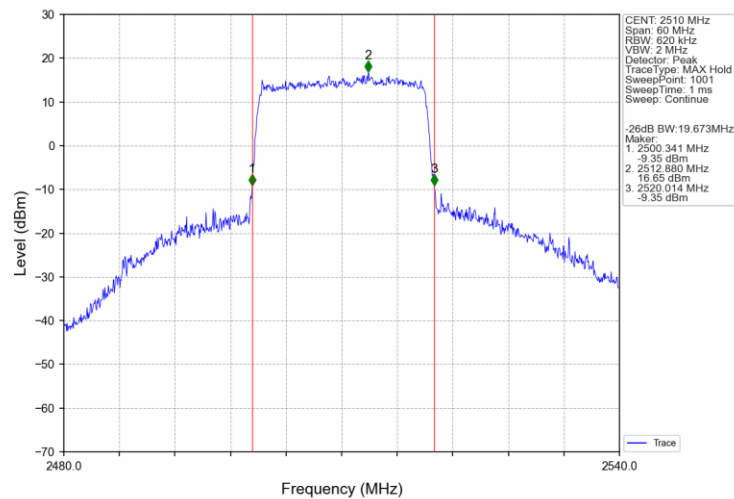
### Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTV



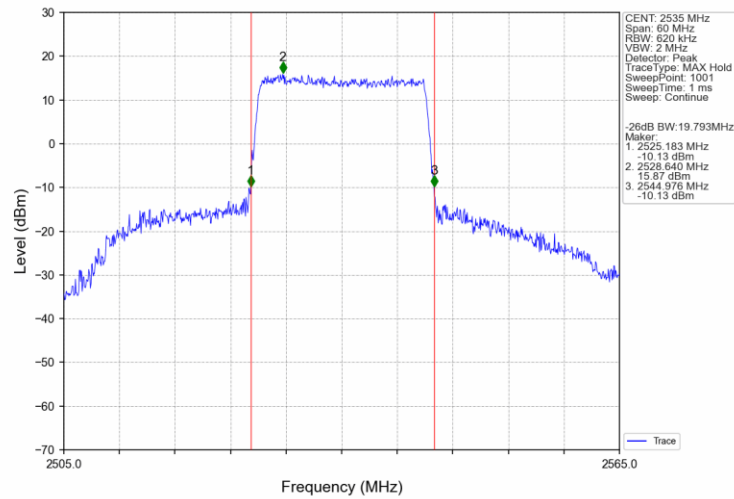
### Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



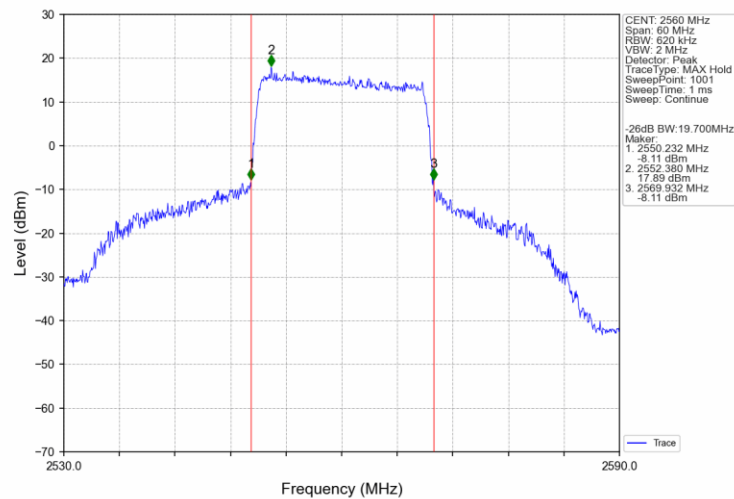
### Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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



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



## 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      | 5.19                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.29                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 4.19                    | <=13  | Pass    |
| 16QAM                            | 2502.5          | 25            | 0      | 5.92                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.91                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 4.93                    | <=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      | 5.08                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.19                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 4.53                    | <=13  | Pass    |
| 16QAM                             | 2505            | 50            | 0      | 5.88                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.95                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 5.28                    | <=13  | Pass    |

#### 5.1.3 B7\_15MHz

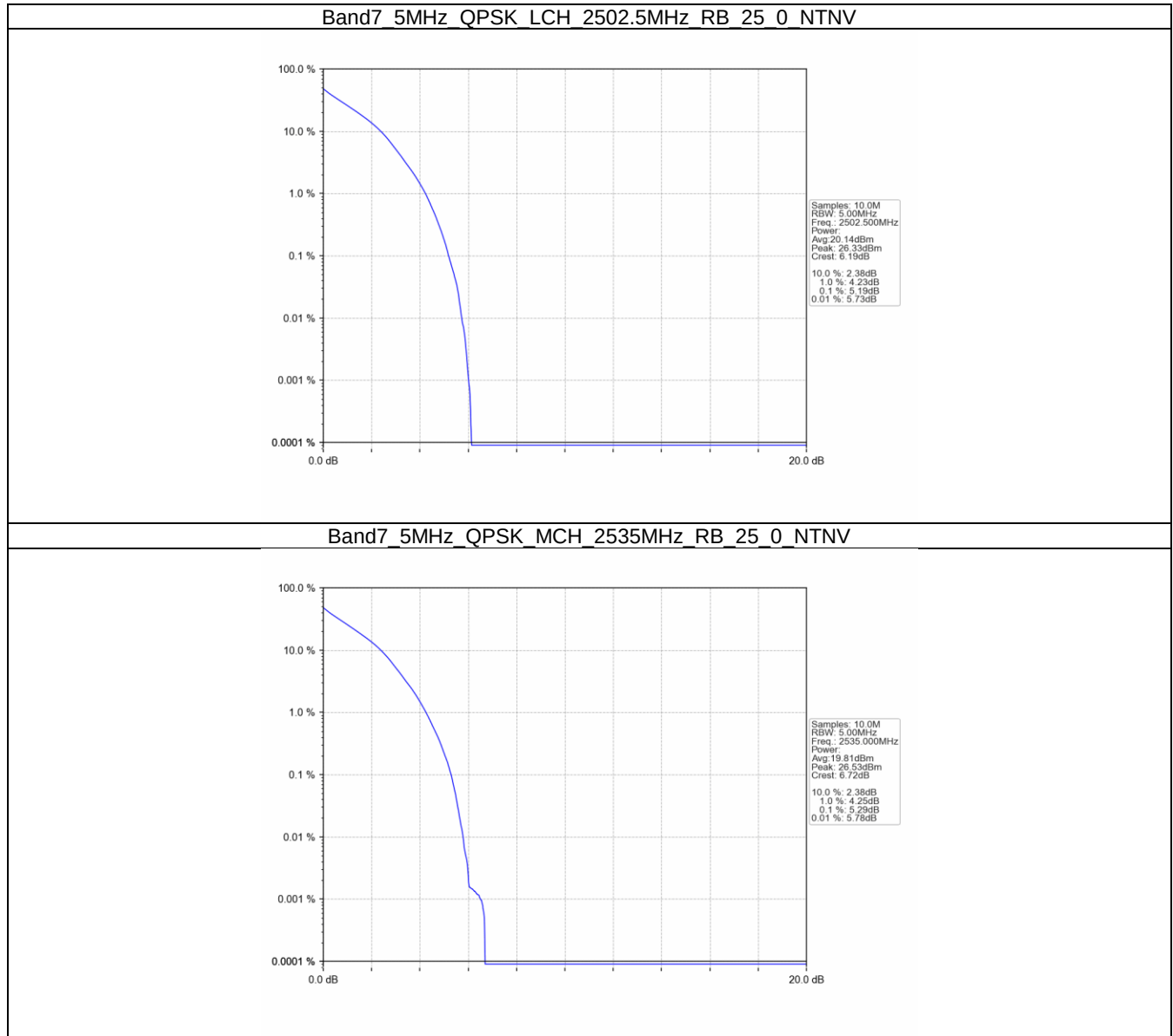
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2507.5          | 75            | 0      | 5.00                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 5.11                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 5.00                    | <=13  | Pass    |
| 16QAM                             | 2507.5          | 75            | 0      | 5.96                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.04                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 5.85                    | <=13  | Pass    |

#### 5.1.4 B7\_20MHz

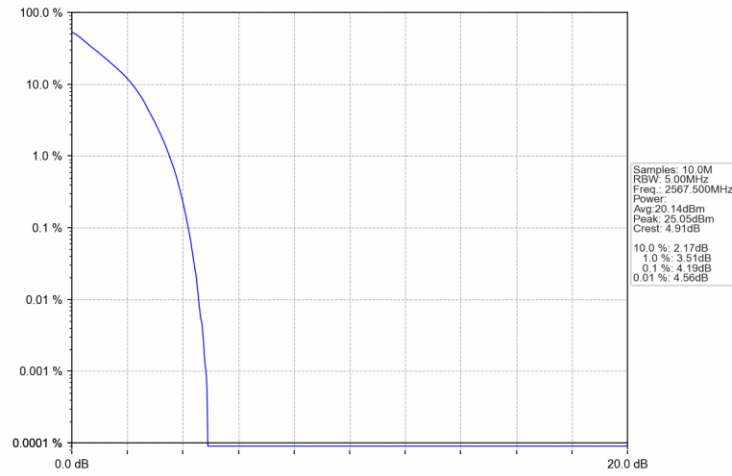
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2510            | 100           | 0      | 8.41                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.68                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.78                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.52                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 6.60                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 6.54                    | <=13  | Pass    |

## 5.2 Test Graph

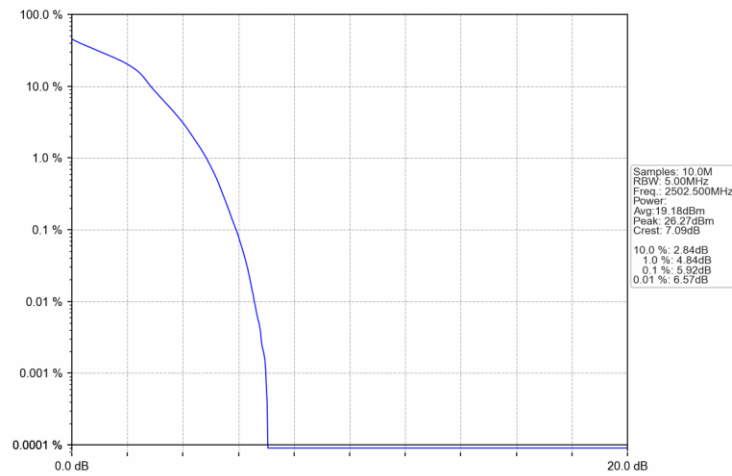
### 5.2.1 B7\_5MHz



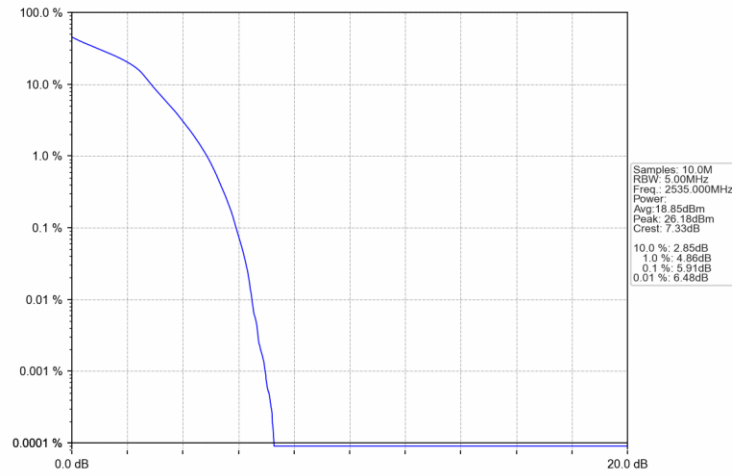
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



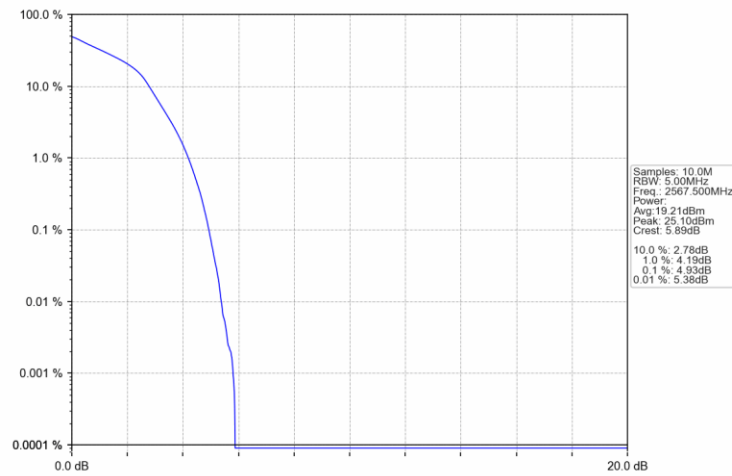
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



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

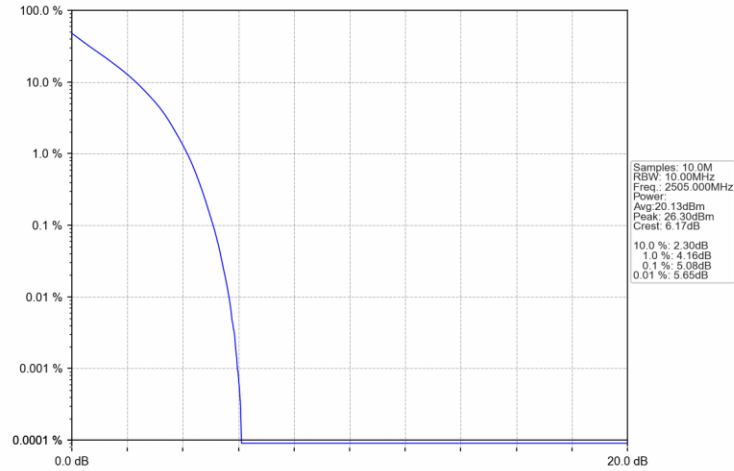


Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV

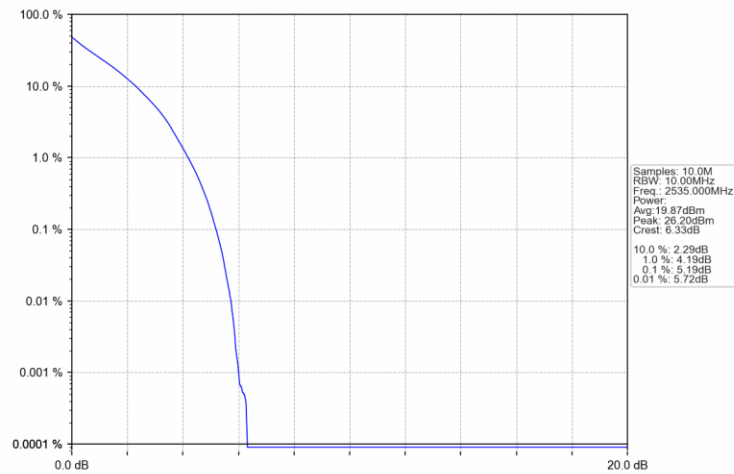


## 5.2.2 B7\_10MHz

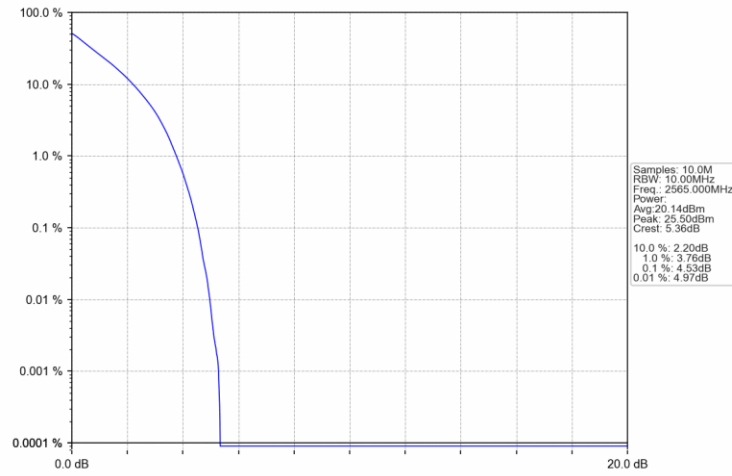
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



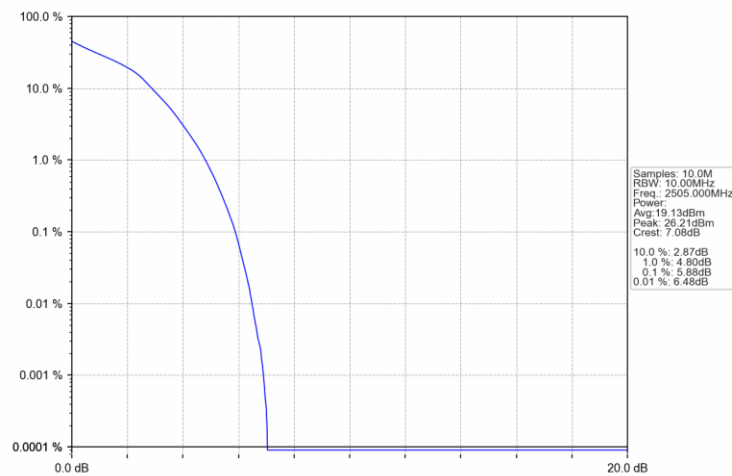
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



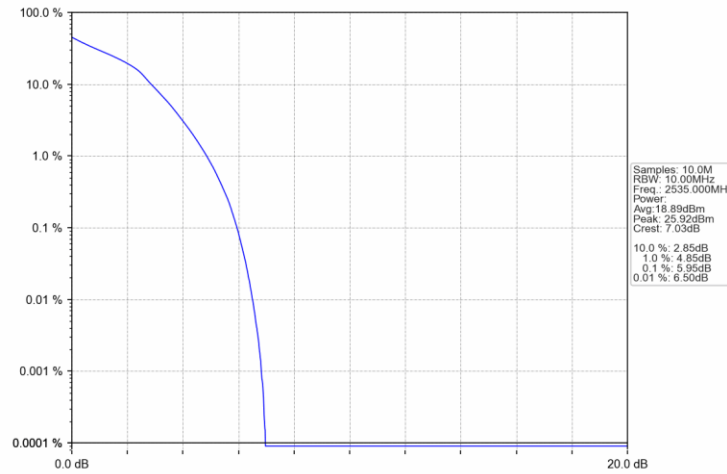
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTV



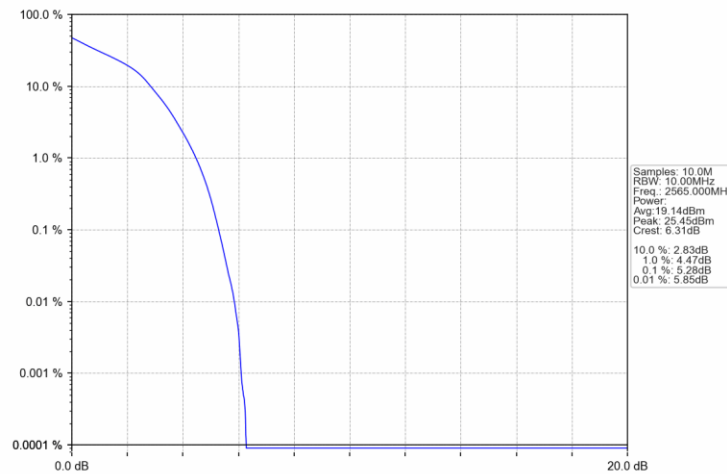
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTV



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

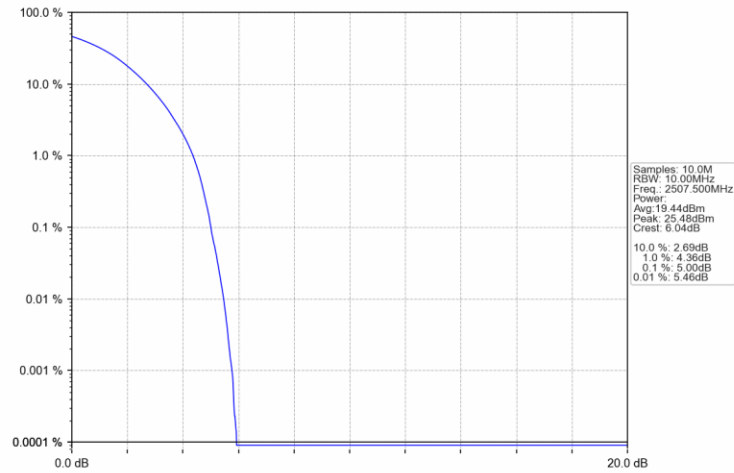


Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV

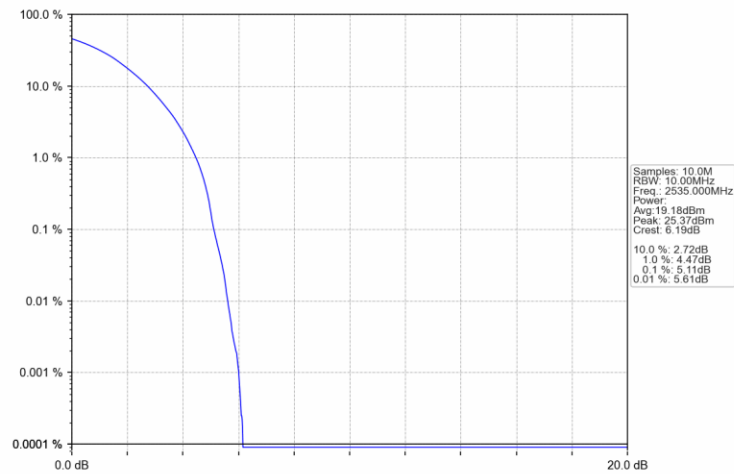


### 5.2.3 B7\_15MHz

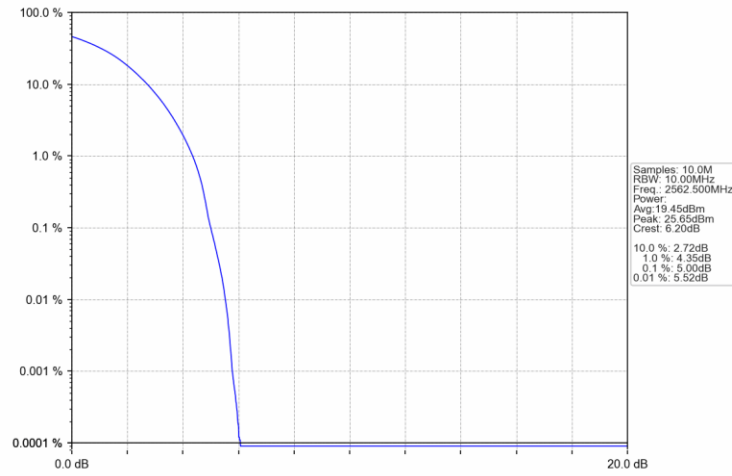
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



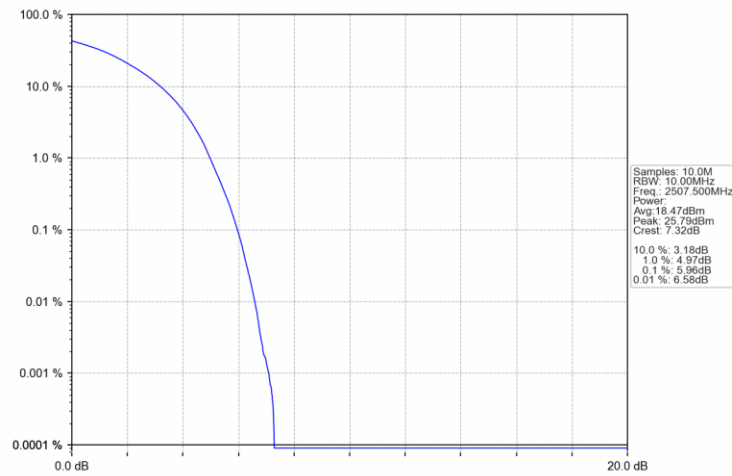
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



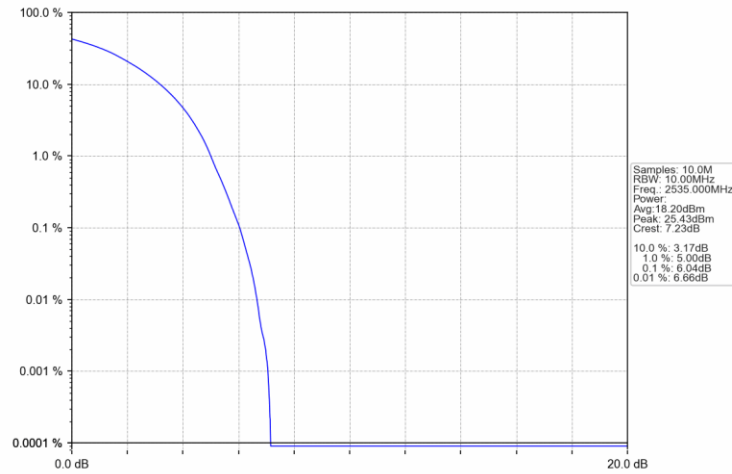
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



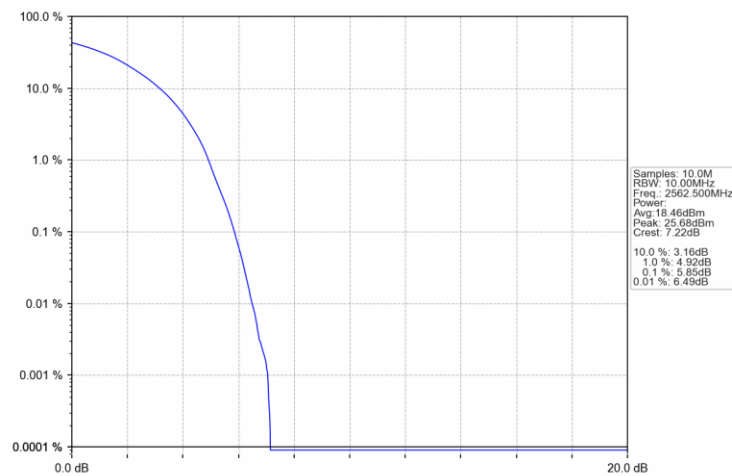
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



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

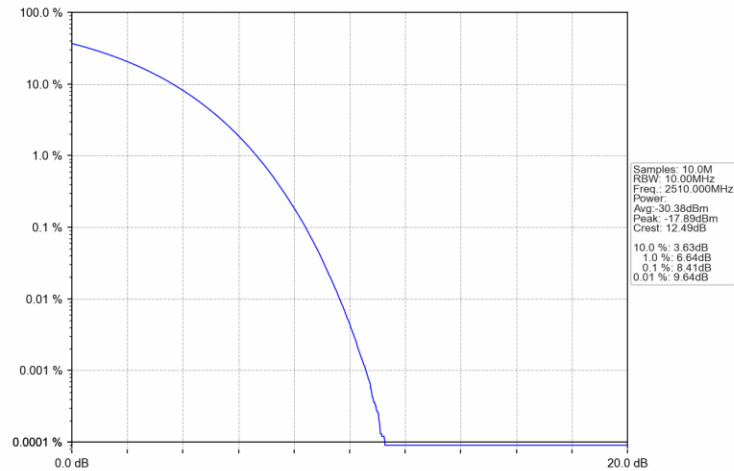


Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV

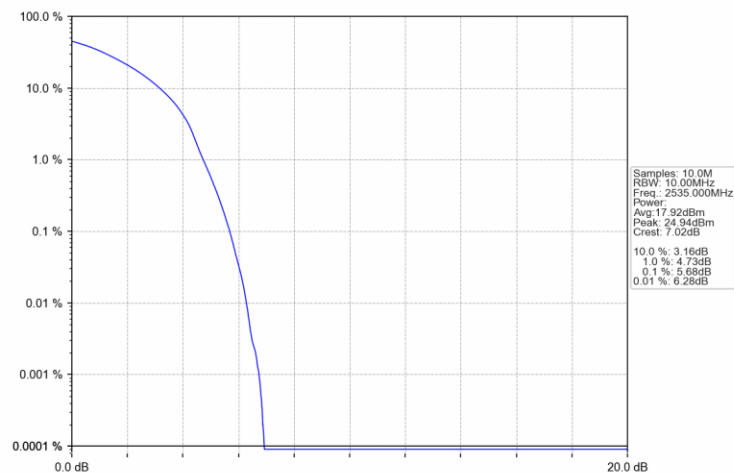


## 5.2.4 B7\_20MHz

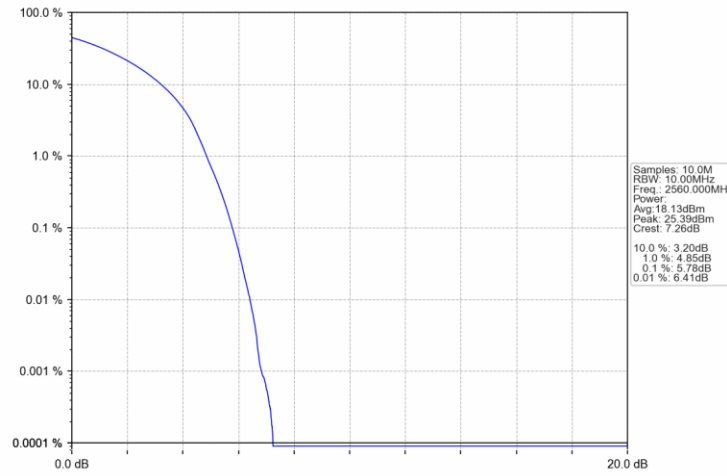
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



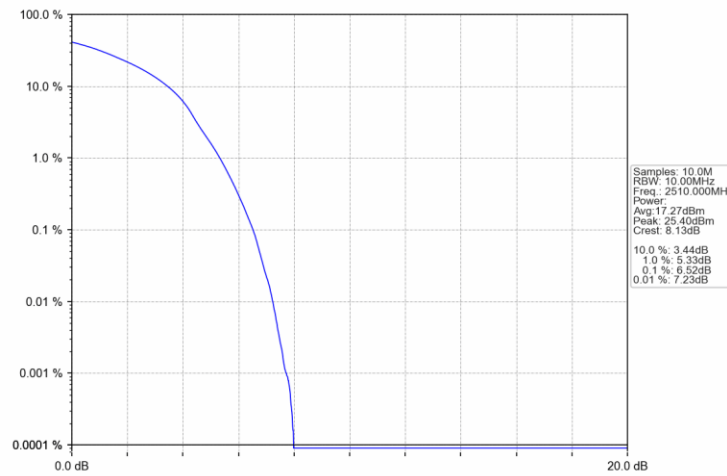
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



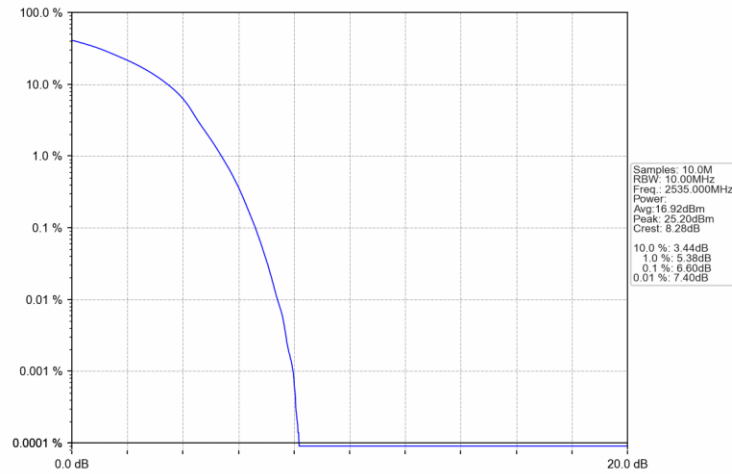
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



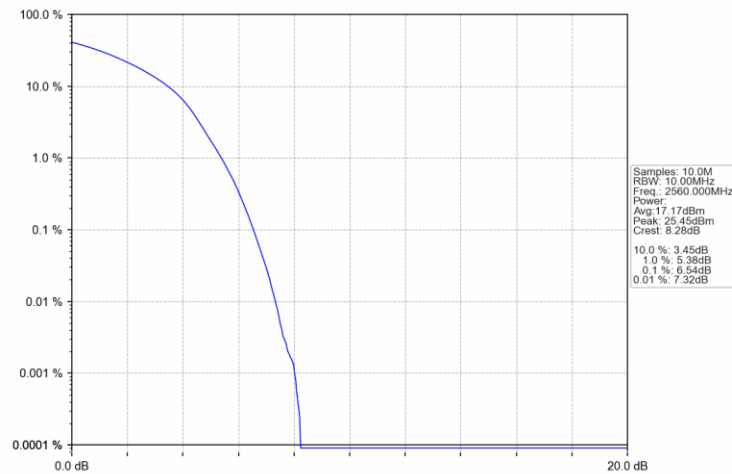
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



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



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



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 2502.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2567.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2567.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2505            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2565            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2505            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2565            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2507.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2562.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2507.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2562.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.4 B7\_20MHz

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