

## **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      | 22.77                 | -2.40      | 20.37      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.80                 | -2.40      | 20.40      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.69                 | -2.40      | 20.29      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.00                 | -2.40      | 19.60      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.72                 | -2.40      | 19.32      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.72                 | -2.40      | 19.32      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.78                 | -2.40      | 19.38      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.41                 | -2.40      | 20.01      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.35                 | -2.40      | 19.95      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.27                 | -2.40      | 19.87      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.70                 | -2.40      | 19.30      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.62                 | -2.40      | 19.22      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.75                 | -2.40      | 19.35      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 21.97                 | -2.40      | 19.57      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.95                 | -2.40      | 19.55      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.88                 | -2.40      | 19.48      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.31                 | -2.40      | 18.91      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.31                 | -2.40      | 18.91      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.29                 | -2.40      | 18.89      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.34                 | -2.40      | 18.94      | <=33.01 | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | 21.51                 | -2.40      | 19.11      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.53                 | -2.40      | 19.13      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.46                 | -2.40      | 19.06      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.09                 | -2.40      | 18.69      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.04                 | -2.40      | 18.64      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.99                 | -2.40      | 18.59      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.13                 | -2.40      | 18.73      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 21.80                 | -2.40      | 19.40      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.70                 | -2.40      | 19.30      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.69                 | -2.40      | 19.29      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.07                 | -2.40      | 18.67      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.98                 | -2.40      | 18.58      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.90                 | -2.40      | 18.50      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.09                 | -2.40      | 18.69      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 21.50                 | -2.40      | 19.10      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.48                 | -2.40      | 19.08      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.42                 | -2.40      | 19.02      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.64                 | -2.40      | 18.24      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.65                 | -2.40      | 18.25      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.62                 | -2.40      | 18.22      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.68                 | -2.40      | 18.28      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B7\_10MHz\_EIRP

| Band: 7 / Bandwidth: 10MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2505            | 1             | 0      | 22.52                 | -2.40      | 20.12      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.26                 | -2.40      | 19.86      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 22.43                 | -2.40      | 20.03      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.74                 | -2.40      | 19.34      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.84                 | -2.40      | 19.44      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 22.59                 | -2.40      | 20.19      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.28                 | -2.40      | 19.88      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 49     | 22.29                 | -2.40      | 19.89      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.90                 | -2.40      | 19.50      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.73                 | -2.40      | 19.33      | <=33.01 | Pass    |
|                                  |                 | 25            | 25     | 21.68                 | -2.40      | 19.28      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.84                 | -2.40      | 19.44      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.96                 | -2.40      | 19.56      | <=33.01 | Pass    |
|                                  |                 | 25            | 25     | 21.94                 | -2.40      | 19.54      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.97                 | -2.40      | 19.57      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.39                 | -2.40      | 18.99      | <=33.01 | Pass    |
| 16QAM                            | 2505            | 1             | 13     | 21.41                 | -2.40      | 19.01      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.39                 | -2.40      | 18.99      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.45                 | -2.40      | 19.05      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.68                 | -2.40      | 19.28      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.53                 | -2.40      | 19.13      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.69                 | -2.40      | 19.29      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.16                 | -2.40      | 18.76      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.13                 | -2.40      | 18.73      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.17                 | -2.40      | 18.77      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 21.16                 | -2.40      | 18.76      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 22.00                 | -2.40      | 19.60      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.68                 | -2.40      | 19.28      | <=33.01 | Pass    |
|                                  |                 | 25            | 49     | 21.72                 | -2.40      | 19.32      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.25                 | -2.40      | 18.85      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.09                 | -2.40      | 18.69      | <=33.01 | Pass    |
|                                  |                 | 50            | 25     | 21.03                 | -2.40      | 18.63      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.17                 | -2.40      | 18.77      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 21.81                 | -2.40      | 19.41      | <=33.01 | Pass    |
|                                  | 2565            | 1             | 25     | 21.78                 | -2.40      | 19.38      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.76                 | -2.40      | 19.36      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 20.78                 | -2.40      | 18.38      | <=33.01 | Pass    |
|                                  |                 | 25            | 13     | 20.79                 | -2.40      | 18.39      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 20.76                 | -2.40      | 18.36      | <=33.01 | Pass    |
|                                  |                 |               | 0      | 20.77                 | -2.40      | 18.37      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 20.77                 | -2.40      | 18.37      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2507.5          | 1             | 0      | 22.36                 | -2.40      | 19.96      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 22.32                 | -2.40      | 19.92      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 22.29                 | -2.40      | 19.89      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 21.59                 | -2.40      | 19.19      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 21.57                 | -2.40      | 19.17      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 21.65                 | -2.40      | 19.25      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 21.65                 | -2.40      | 19.25      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.58                 | -2.40      | 20.18      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 22.33                 | -2.40      | 19.93      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 22.25                 | -2.40      | 19.85      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 21.61                 | -2.40      | 19.21      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 21.53                 | -2.40      | 19.13      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 21.68                 | -2.40      | 19.28      | <=33.01 | Pass    |
|                                  | 2562.5          | 1             | 0      | 21.90                 | -2.40      | 19.50      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 21.98                 | -2.40      | 19.58      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 21.96                 | -2.40      | 19.56      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 21.19                 | -2.40      | 18.79      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 21.25                 | -2.40      | 18.85      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 21.27                 | -2.40      | 18.87      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 21.24                 | -2.40      | 18.84      | <=33.01 | Pass    |
| 16QAM                            | 2507.5          | 1             | 0      | 22.01                 | -2.40      | 19.61      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 21.96                 | -2.40      | 19.56      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 21.95                 | -2.40      | 19.55      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 20.88                 | -2.40      | 18.48      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 20.82                 | -2.40      | 18.42      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 20.93                 | -2.40      | 18.53      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 20.91                 | -2.40      | 18.51      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.02                 | -2.40      | 19.62      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 21.75                 | -2.40      | 19.35      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 21.69                 | -2.40      | 19.29      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 21.06                 | -2.40      | 18.66      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 20.92                 | -2.40      | 18.52      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 20.83                 | -2.40      | 18.43      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 20.96                 | -2.40      | 18.56      | <=33.01 | Pass    |
|                                  | 2562.5          | 1             | 0      | 21.78                 | -2.40      | 19.38      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 21.79                 | -2.40      | 19.39      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 21.76                 | -2.40      | 19.36      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 20.52                 | -2.40      | 18.12      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 20.54                 | -2.40      | 18.14      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 20.58                 | -2.40      | 18.18      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 20.53                 | -2.40      | 18.13      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2510            | 1             | 0      | 22.27                 | -2.40      | 19.87      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.28                 | -2.40      | 19.88      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 22.39                 | -2.40      | 19.99      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.71                 | -2.40      | 19.31      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.84                 | -2.40      | 19.44      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 21.75                 | -2.40      | 19.35      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.75                 | -2.40      | 19.35      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.75                 | -2.40      | 19.35      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.56                 | -2.40      | 20.16      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.29                 | -2.40      | 19.89      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 22.22                 | -2.40      | 19.82      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 22.40                 | -2.40      | 20.00      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.19                 | -2.40      | 19.79      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.64                 | -2.40      | 19.24      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.77                 | -2.40      | 19.37      | <=33.01 | Pass    |
|                                  | 2560            | 1             | 0      | 21.97                 | -2.40      | 19.57      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.95                 | -2.40      | 19.55      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.94                 | -2.40      | 19.54      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.36                 | -2.40      | 18.96      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.44                 | -2.40      | 19.04      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.43                 | -2.40      | 19.03      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 21.40                 | -2.40      | 19.00      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.40                 | -2.40      | 19.00      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.40                 | -2.40      | 19.00      | <=33.01 | Pass    |
| 16QAM                            | 2510            | 1             | 0      | 22.09                 | -2.40      | 19.69      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.13                 | -2.40      | 19.73      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 22.19                 | -2.40      | 19.79      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.01                 | -2.40      | 18.61      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.07                 | -2.40      | 18.67      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.14                 | -2.40      | 18.74      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 21.08                 | -2.40      | 18.68      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.08                 | -2.40      | 18.68      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.08                 | -2.40      | 18.68      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.34                 | -2.40      | 19.94      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.08                 | -2.40      | 19.68      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 22.01                 | -2.40      | 19.61      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 21.33                 | -2.40      | 18.93      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.13                 | -2.40      | 18.73      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 20.92                 | -2.40      | 18.52      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 21.11                 | -2.40      | 18.71      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.11                 | -2.40      | 18.71      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.11                 | -2.40      | 18.71      | <=33.01 | Pass    |
|                                  | 2560            | 1             | 0      | 21.43                 | -2.40      | 19.03      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 21.40                 | -2.40      | 19.00      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 21.37                 | -2.40      | 18.97      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 20.67                 | -2.40      | 18.27      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 20.75                 | -2.40      | 18.35      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 20.72                 | -2.40      | 18.32      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 20.69                 | -2.40      | 18.29      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 20.69                 | -2.40      | 18.29      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 20.69                 | -2.40      | 18.29      | <=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 | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                      | 2502.5          | 25            | 0      | 20         | LV      | -4.120           | -0.0016               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | NV      | 0.601            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | HV      | 0.958            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | NV      | 2.060            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | NV      | -12.617          | -0.0050               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | NV      | -6.938           | -0.0028               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | NV      | -12.374          | -0.0049               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | NV      | -2.046           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | NV      | 3.548            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | NV      | 3.948            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | NV      | 0.415            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | LV      | -9.713           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | NV      | -8.812           | -0.0035               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | HV      | -3.304           | -0.0013               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | NV      | 0.172            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | NV      | -7.710           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | NV      | 1.688            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | NV      | -8.283           | -0.0033               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | NV      | 3.462            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | NV      | -3.519           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | NV      | 1.488            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | NV      | -8.941           | -0.0035               | -2.5 to 2.5 | Pass    |
|                           | 2567.5          | 25            | 0      | 20         | LV      | 5.665            | 0.0022                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | NV      | 0.129            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | HV      | 7.854            | 0.0031                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | NV      | -4.635           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | NV      | 2.131            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | NV      | -8.883           | -0.0035               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | NV      | -5.636           | -0.0022               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | NV      | 2.389            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | NV      | -6.824           | -0.0027               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | NV      | -0.515           | -0.0002               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | NV      | -4.220           | -0.0016               | -2.5 to 2.5 | Pass    |
| 16QAM                     | 2502.5          | 25            | 0      | 20         | LV      | 1.473            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | NV      | -7.668           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | HV      | -2.460           | -0.0010               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | NV      | -3.033           | -0.0012               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | NV      | 4.306            | 0.0017                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | NV      | -7.625           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | NV      | 2.532            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | NV      | 0.129            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | NV      | -7.253           | -0.0029               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | NV      | 1.817            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | NV      | -1.302           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | LV      | 1.731            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | NV      | -3.648           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | HV      | 1.445            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | NV      | -0.730           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | NV      | 1.287            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | NV      | -1.187           | -0.0005               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |    |         |         |             |      |
|--|--------|----|---|-----|----|---------|---------|-------------|------|
|  |        |    |   | 0   | NV | 1.774   | 0.0007  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | NV | 7.353   | 0.0029  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | NV | 5.865   | 0.0023  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | NV | -11.487 | -0.0045 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | NV | -10.300 | -0.0041 | -2.5 to 2.5 | Pass |
|  | 2567.5 | 25 | 0 | 20  | LV | -2.189  | -0.0009 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | NV | -3.119  | -0.0012 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | HV | -10.071 | -0.0039 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | NV | 3.119   | 0.0012  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | NV | 2.904   | 0.0011  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | NV | -7.510  | -0.0029 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | NV | -1.459  | -0.0006 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | NV | -2.489  | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | NV | -5.336  | -0.0021 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | NV | -5.808  | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | NV | -3.119  | -0.0012 | -2.5 to 2.5 | Pass |

## 2.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz |                 |               |        |            |         |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                       | 2505            | 50            | 0      | 20         | LV      | -0.401           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -1.044           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | -6.938           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | -6.180           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | -3.905           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | -4.520           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -1.588           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | -4.191           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | -1.931           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV      | -3.462           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 50            | 0      | 20         | LV      | -5.693           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | 0.243            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | 0.658            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | -3.190           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | -3.047           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | -5.693           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | 2.189            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | -5.250           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | 0.343            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV      | 2.918            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            | 2565            | 50            | 0      | 20         | LV      | -2.389           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | 2.289            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | -0.358           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | -1.631           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | -2.661           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | -3.676           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | -3.891           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -2.961           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | 2.432            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | -5.865           | -0.0023               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2505            | 50            | 0      | 20         | NV      | -2.418           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -1.688           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -6.738           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            | 2505            | 50            | 0      | 20         | NV      | -8.483           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -7.753           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -7.753           | -0.0031               | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |    |        |         |             |      |
|--|------|----|---|-----|----|--------|---------|-------------|------|
|  |      |    |   | -30 | NV | -2.360 | -0.0009 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | NV | -3.490 | -0.0014 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | NV | -2.904 | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | NV | -2.761 | -0.0011 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | NV | 2.246  | 0.0009  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | NV | -0.472 | -0.0002 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | NV | -1.960 | -0.0008 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | NV | 4.120  | 0.0016  | -2.5 to 2.5 | Pass |
|  | 2535 | 50 | 0 | 20  | LV | -4.649 | -0.0018 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | NV | 1.030  | 0.0004  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | HV | 3.147  | 0.0012  | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | NV | -0.601 | -0.0002 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | NV | 1.016  | 0.0004  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | NV | -2.146 | -0.0008 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | NV | -1.359 | -0.0005 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | NV | -4.520 | -0.0018 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | NV | -1.345 | -0.0005 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | NV | -3.076 | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | NV | 0.844  | 0.0003  | -2.5 to 2.5 | Pass |
|  | 2565 | 50 | 0 | 20  | LV | -5.393 | -0.0021 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | NV | -4.435 | -0.0017 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | HV | -5.465 | -0.0021 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | NV | -1.559 | -0.0006 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | NV | -1.874 | -0.0007 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | NV | -1.087 | -0.0004 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | NV | -3.920 | -0.0015 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | NV | -2.160 | -0.0008 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | NV | -3.877 | -0.0015 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | NV | -8.826 | -0.0034 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | NV | -0.587 | -0.0002 | -2.5 to 2.5 | Pass |

### 2.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz |                 |               |        |            |         |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                       | 2507.5          | 75            | 0      | 20         | LV      | -1.373           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -3.204           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | 2.189            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | -3.734           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | -0.458           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | -5.393           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -4.878           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | 1.502            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | 0.801            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV      | -1.473           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | NV      | -0.615           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | LV      | -2.575           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -5.808           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | -0.601           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | -0.114           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | -1.717           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | 2.289            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -3.004           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | 0.114            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | NV      | -3.605           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | NV      | -4.020           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | NV      | -11.988          | -0.0047               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |    |        |         |             |      |
|-------|--------|----|---|-----|----|--------|---------|-------------|------|
|       | 2562.5 | 75 | 0 | 20  | LV | -0.486 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | NV | 1.988  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | HV | -2.246 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | NV | 3.262  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | NV | 3.848  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | NV | -2.575 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | NV | 1.173  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | NV | 1.631  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | NV | -1.388 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | NV | -0.358 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | NV | -0.987 | -0.0004 | -2.5 to 2.5 | Pass |
| 16QAM | 2507.5 | 75 | 0 | 20  | LV | -0.973 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | NV | 1.745  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | HV | -3.691 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | NV | -5.064 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | NV | 1.044  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | NV | -0.987 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | NV | 0.401  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | NV | 0.186  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | NV | -2.675 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | NV | -3.834 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | NV | -3.161 | -0.0013 | -2.5 to 2.5 | Pass |
|       | 2535   | 75 | 0 | 20  | LV | -4.735 | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | NV | -9.699 | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | HV | -1.216 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | NV | -1.087 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | NV | 0.501  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | NV | -3.247 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | NV | -1.388 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | NV | -1.917 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | NV | -3.562 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | NV | -5.507 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | NV | 1.259  | 0.0005  | -2.5 to 2.5 | Pass |
|       | 2562.5 | 75 | 0 | 20  | LV | -2.918 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | NV | 2.003  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | HV | -1.016 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | NV | -4.077 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | NV | -0.401 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | NV | -1.159 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | NV | -2.961 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | NV | -3.576 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | NV | -3.147 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | NV | -1.359 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | NV | -3.705 | -0.0014 | -2.5 to 2.5 | Pass |

## 2.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz |                 |               |        |            |         |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                       | 2510            | 100           | 0      | 20         | LV      | -0.343           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | NV      | -3.891           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | HV      | -2.317           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | NV      | 0.901            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | NV      | 0.672            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | NV      | -1.159           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | NV      | -5.364           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | NV      | -3.047           | -0.0012               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |    |        |         |             |      |
|-------|------|-----|---|-----|----|--------|---------|-------------|------|
|       |      |     |   | 30  | NV | -1.731 | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | NV | 0.000  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | NV | -0.887 | -0.0004 | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 20  | LV | -4.964 | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | NV | -2.818 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | HV | -1.245 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | NV | -1.717 | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | NV | -0.844 | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | NV | -1.187 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | NV | -2.975 | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | NV | 1.402  | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | NV | -0.501 | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | NV | -5.121 | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | NV | -1.302 | -0.0005 | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 20  | LV | -2.689 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | NV | -7.167 | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | HV | -7.482 | -0.0029 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | NV | -2.117 | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | NV | -1.574 | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | NV | 0.315  | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | NV | -4.020 | -0.0016 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | NV | -3.061 | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | NV | -3.333 | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | NV | -0.901 | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | NV | -4.907 | -0.0019 | -2.5 to 2.5 | Pass |
| 16QAM | 2510 | 100 | 0 | 20  | LV | -0.644 | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | NV | -1.373 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | HV | -1.831 | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | NV | -2.947 | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | NV | 2.561  | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | NV | -2.747 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | NV | -2.689 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | NV | -1.845 | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | NV | -3.719 | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | NV | 2.017  | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | NV | -5.450 | -0.0022 | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 20  | LV | 2.203  | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | NV | 5.336  | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | HV | -2.732 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | NV | 0.887  | 0.0003  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | NV | -5.722 | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | NV | -4.764 | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | NV | 0.043  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | NV | -4.821 | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | NV | -3.891 | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | NV | -3.519 | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | NV | 0.057  | 0.0000  | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 20  | LV | -2.747 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | NV | 0.043  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | HV | 0.100  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | NV | -3.562 | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | NV | -4.005 | -0.0016 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | NV | -0.229 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | NV | -0.286 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | NV | -6.466 | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | NV | -1.073 | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | NV | -7.453 | -0.0029 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | NV | -3.605 | -0.0014 | -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

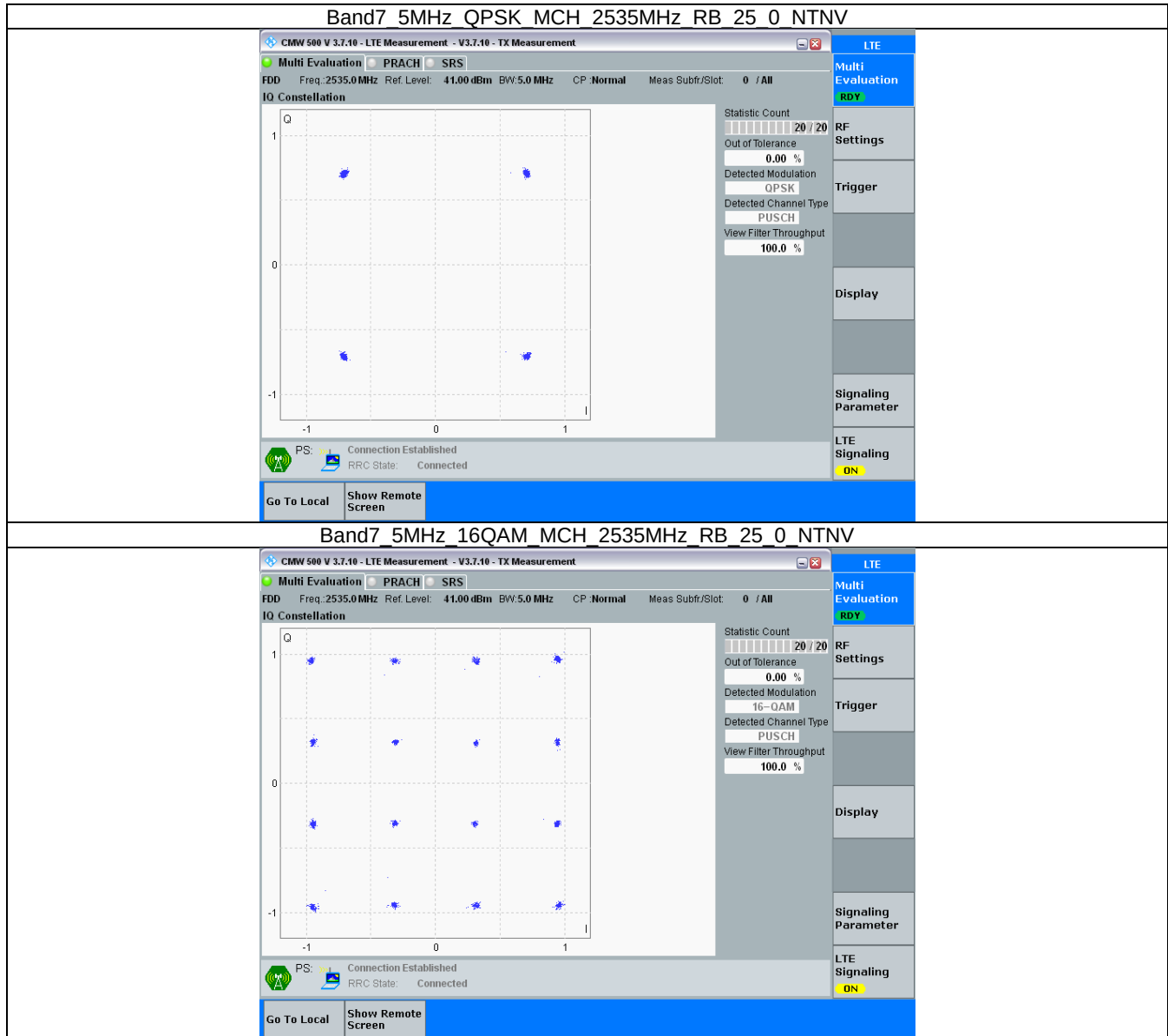
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

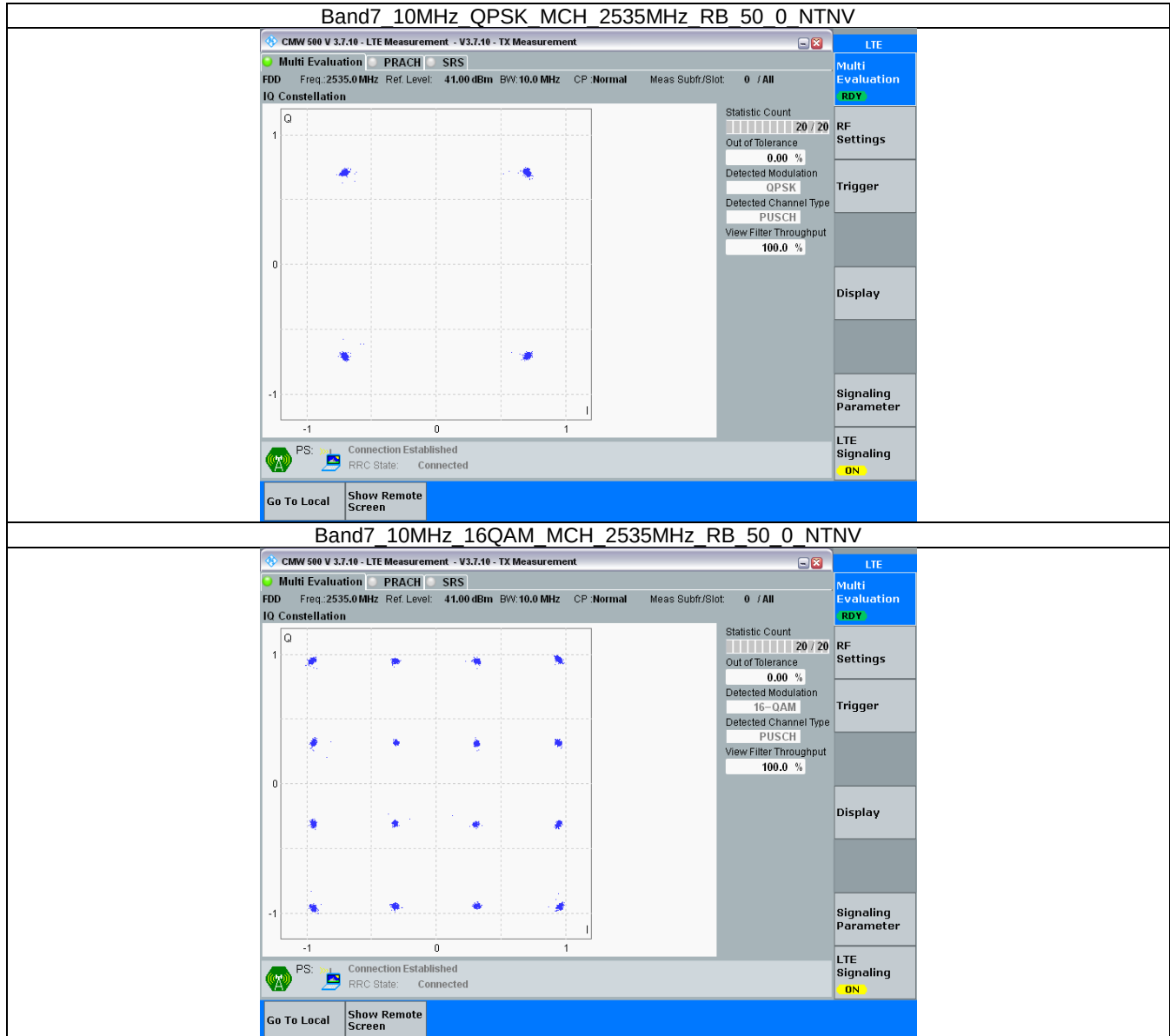
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

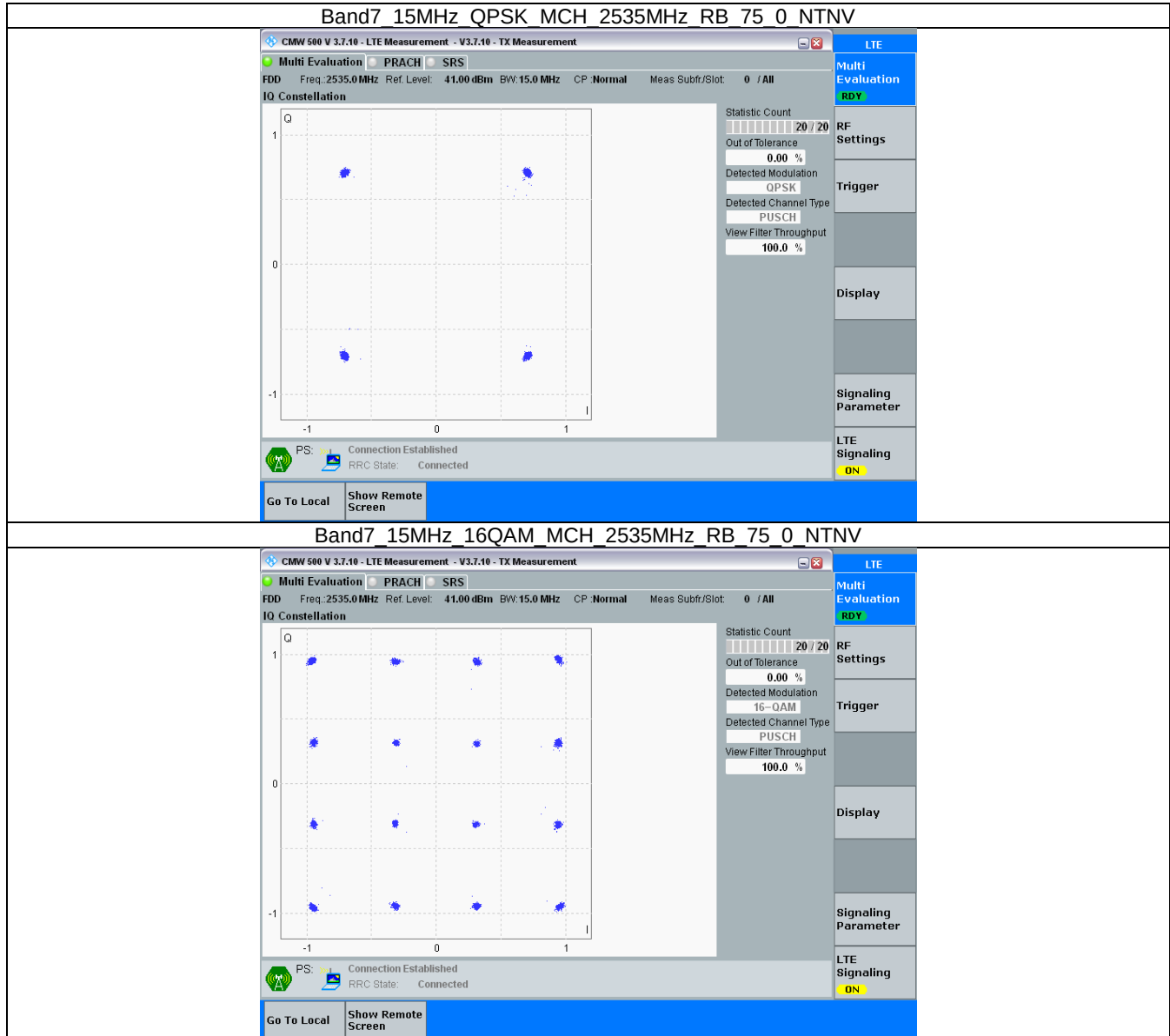
### 3.2.1 B7\_5MHz



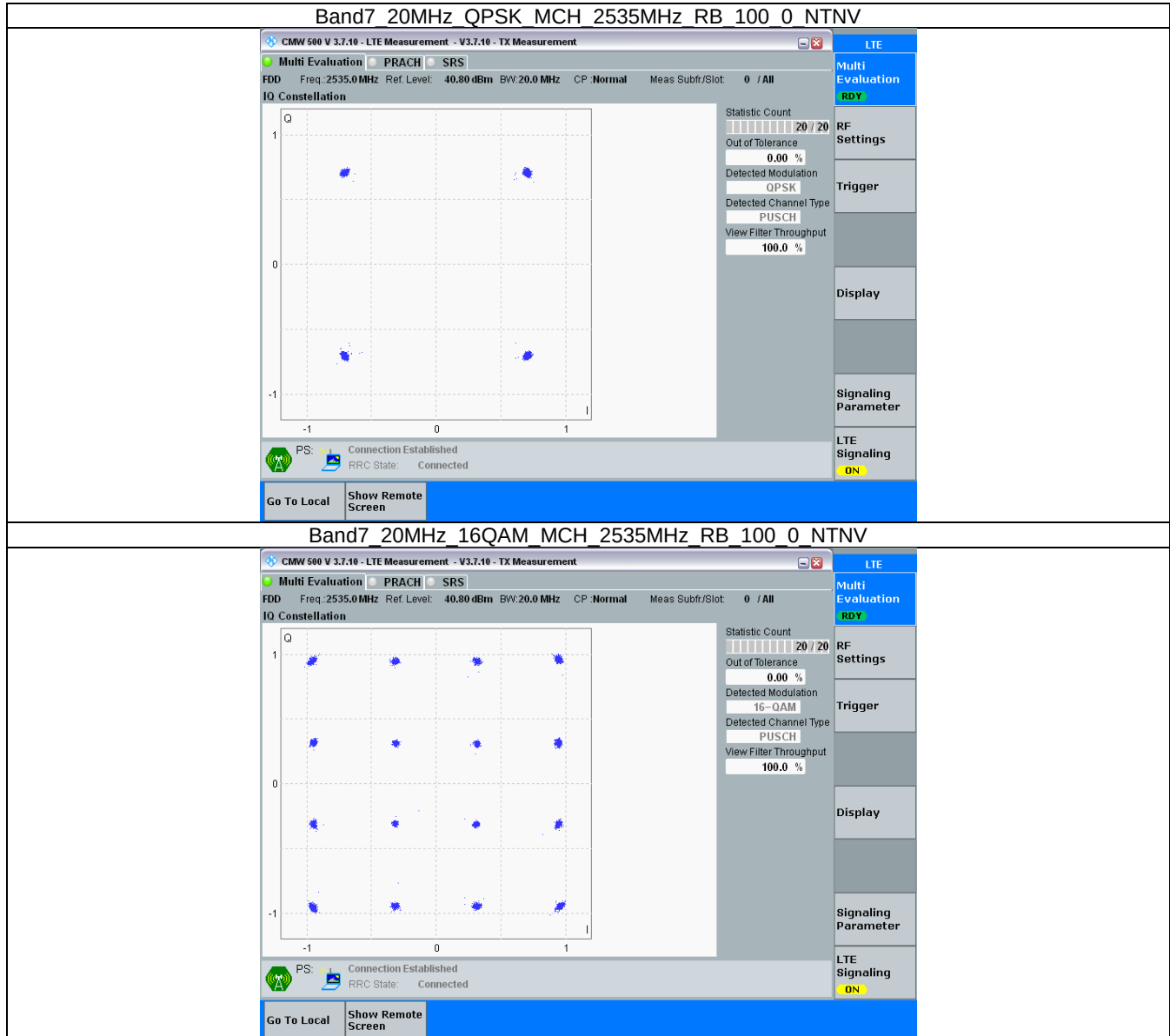
### 3.2.2 B7\_10MHz



### 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      | 4.476                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.467                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.479                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.476                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.475                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.469                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 8.965                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 8.943                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 8.950                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 8.950                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 8.939                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 8.944                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.464                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.372                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.437                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.421                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.426                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.392                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 17.881                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 17.829                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 17.852                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 17.852                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 17.897                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 17.951                       | /     | Pass    |

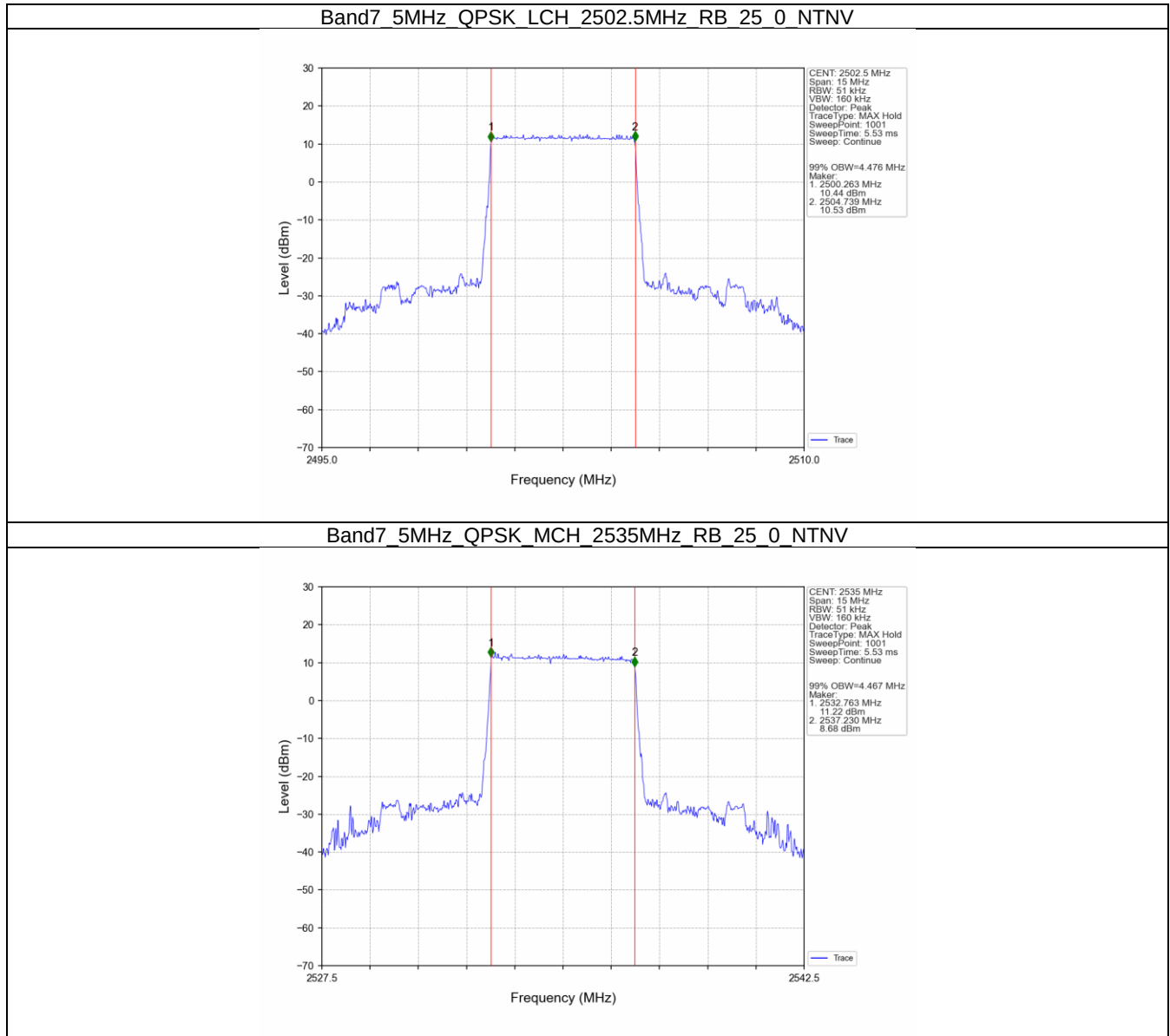
#### 4.1.2 Band7\_XDB

| Band: 7 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.846                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.796                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.838                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.860                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.827                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.843                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.647                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.552                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.642                | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.563                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.595                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.578                | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 14.304               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.345               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 14.380               | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 14.243               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 14.372               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 14.352               | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 19.173               | /     | Pass    |

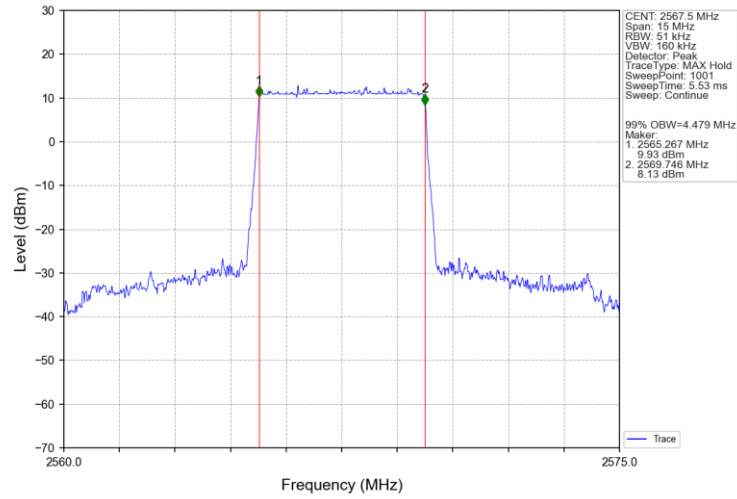
|  |       |      |     |   |        |   |      |
|--|-------|------|-----|---|--------|---|------|
|  |       | 2535 | 100 | 0 | 19.037 | / | Pass |
|  |       | 2560 | 100 | 0 | 18.981 | / | Pass |
|  | 16QAM | 2510 | 100 | 0 | 19.040 | / | Pass |
|  |       | 2535 | 100 | 0 | 19.128 | / | Pass |
|  |       | 2560 | 100 | 0 | 19.021 | / | Pass |

## 4.2 Test Graph

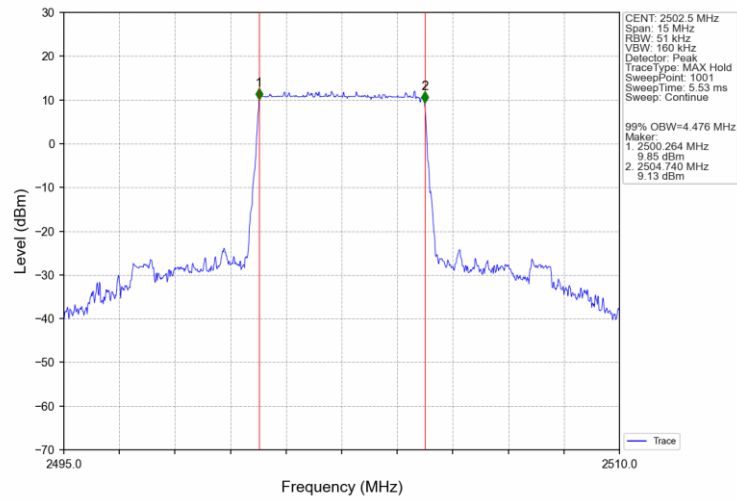
### 4.2.1 Band7\_OBW



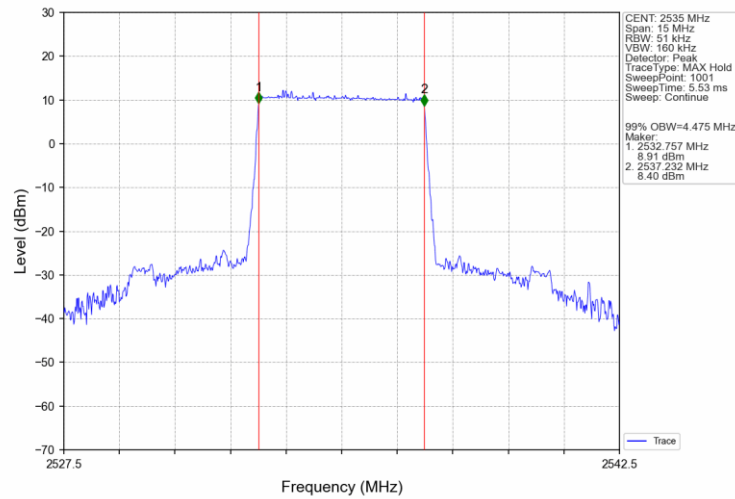
### Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN



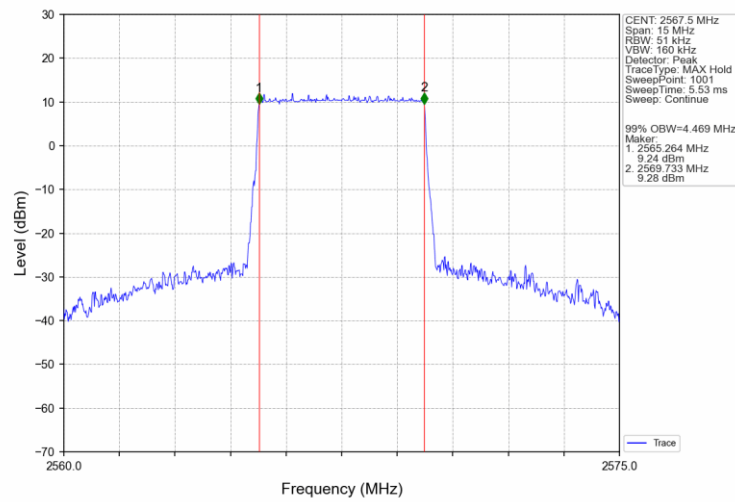
### Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTN



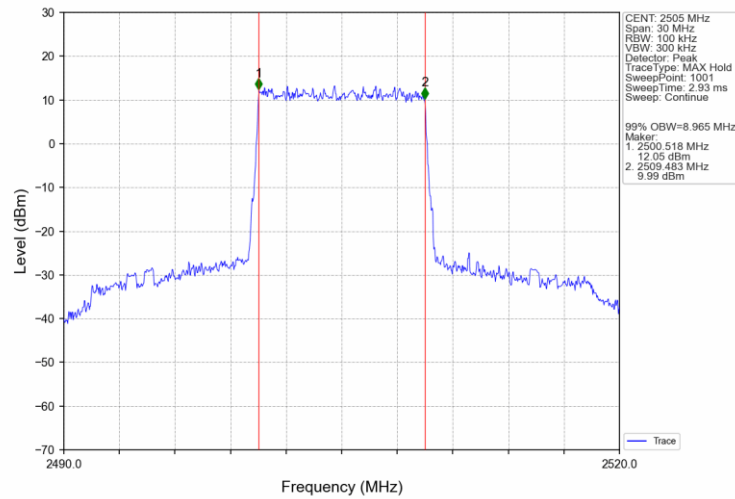
### Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



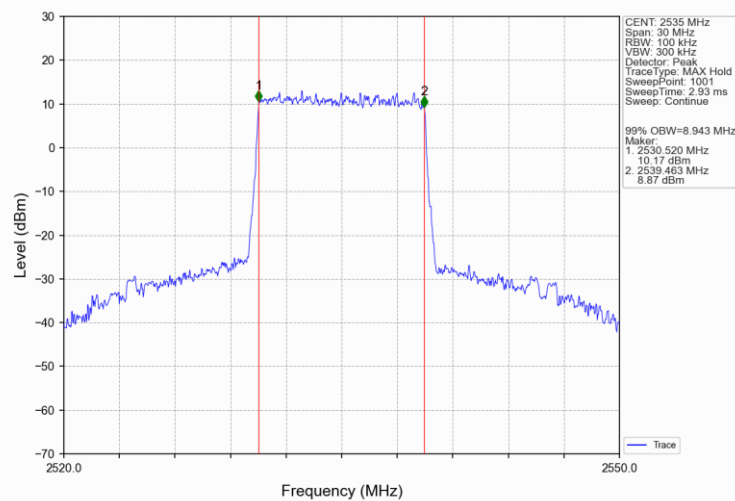
### Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



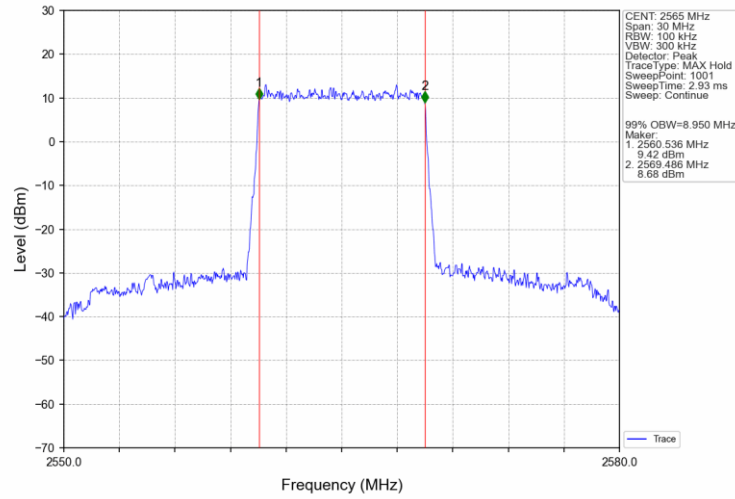
### Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



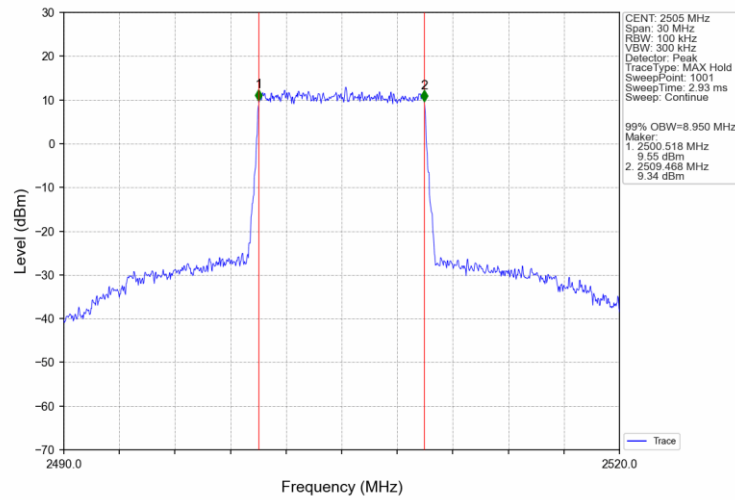
### Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



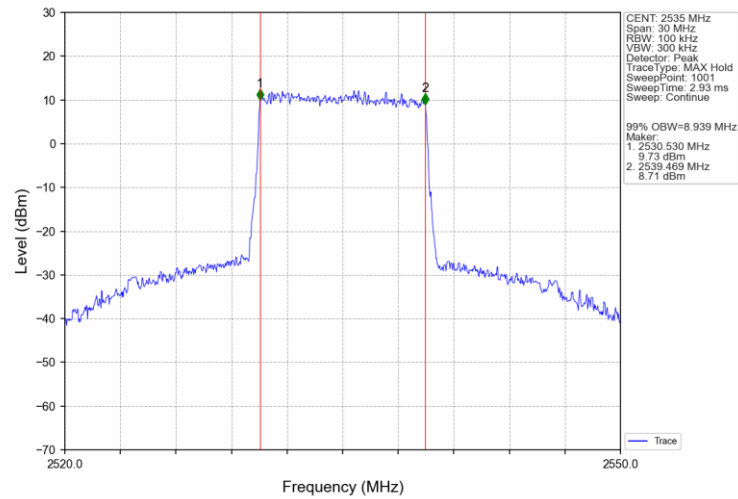
### Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



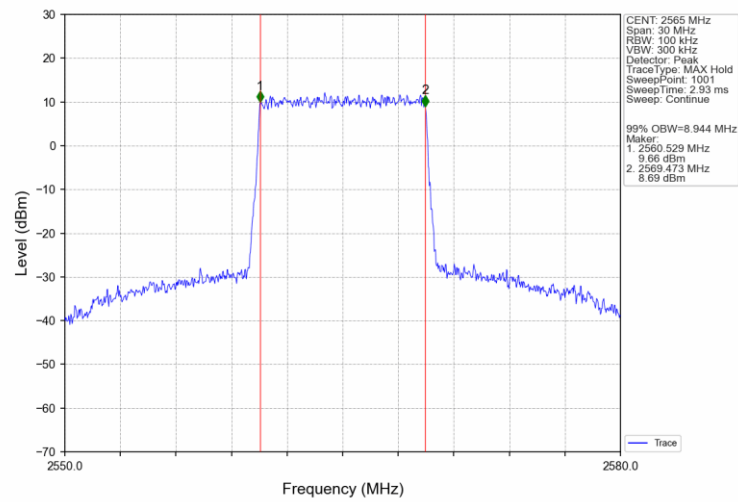
### Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



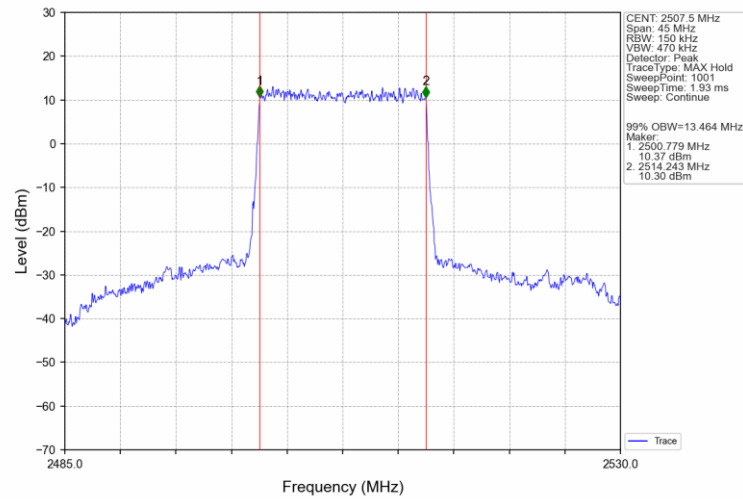
### Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



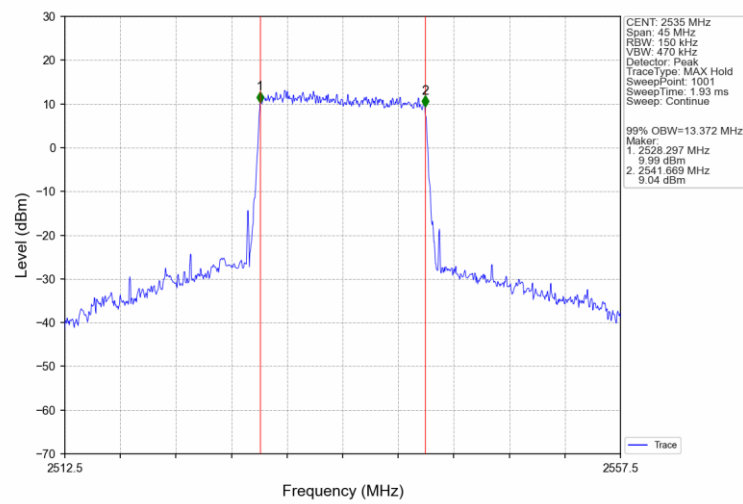
### Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTV



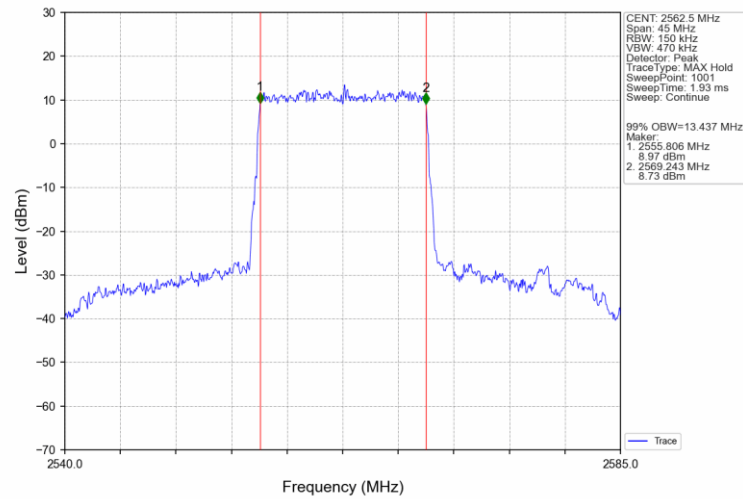
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



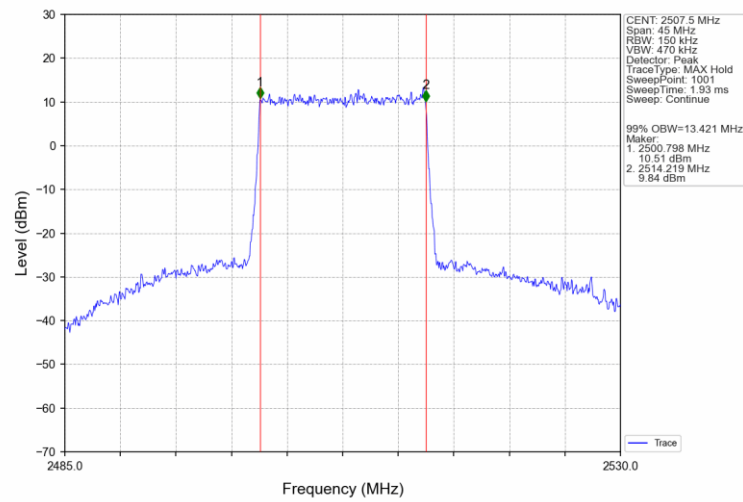
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



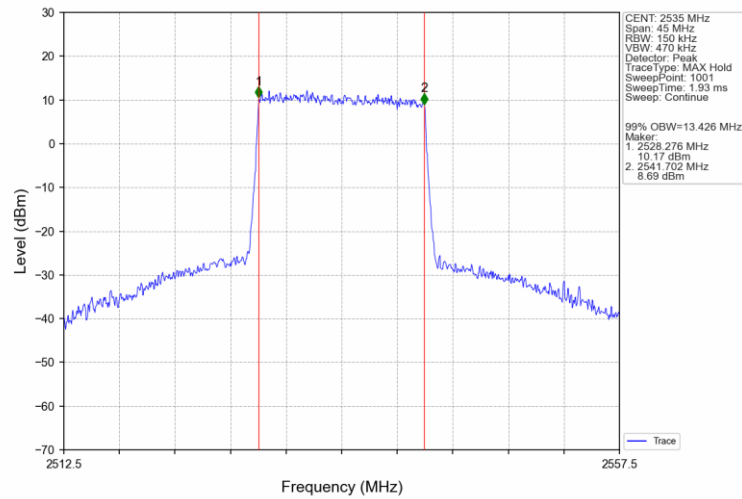
### Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



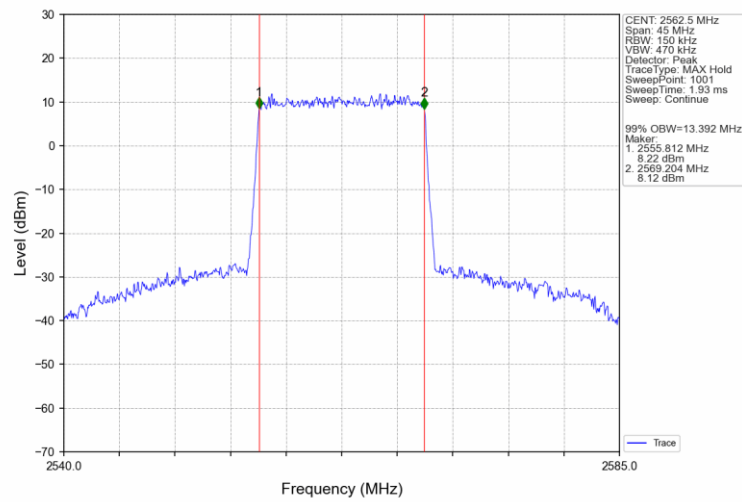
### Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



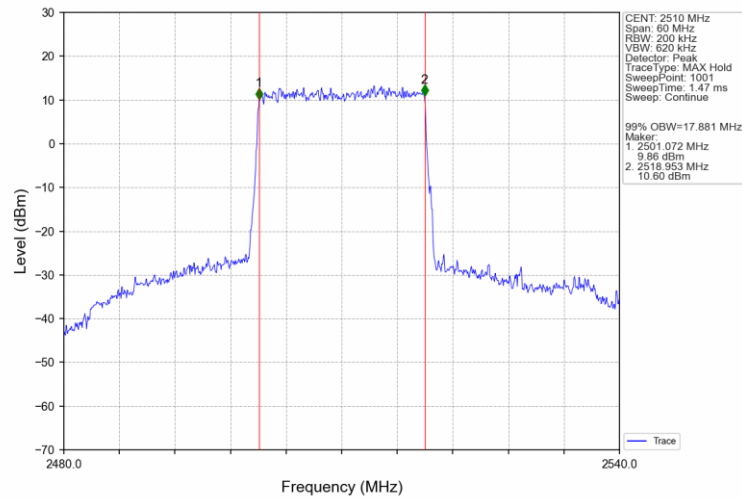
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



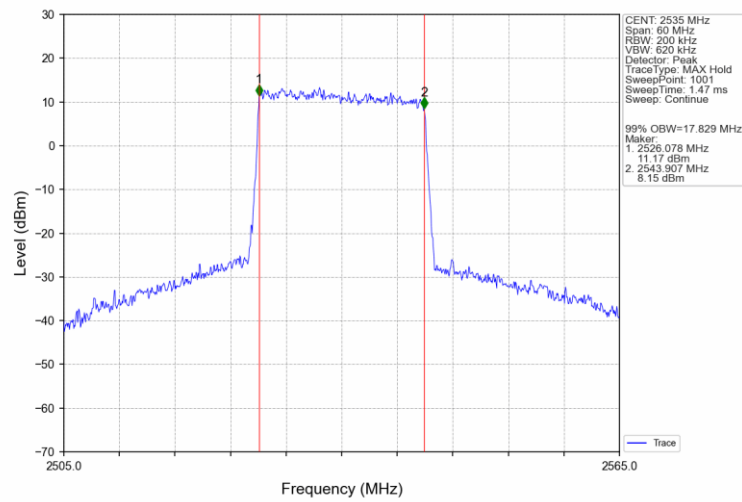
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



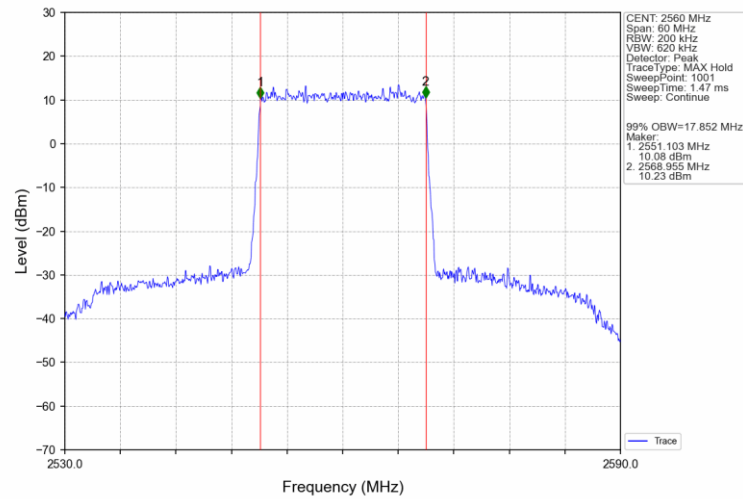
### Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



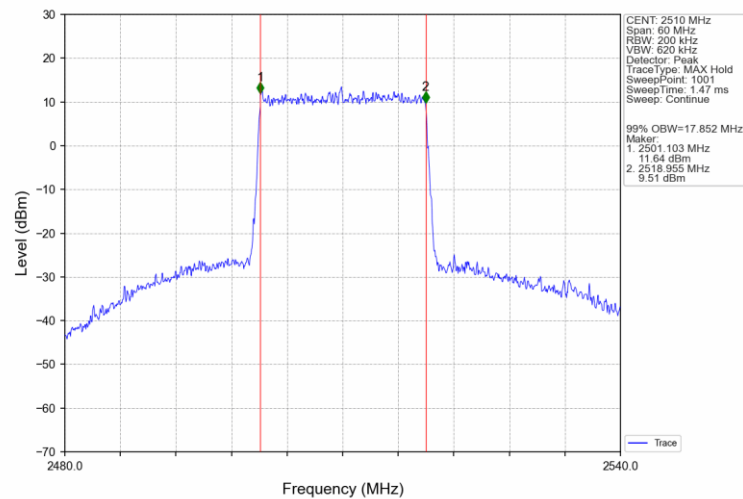
### Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



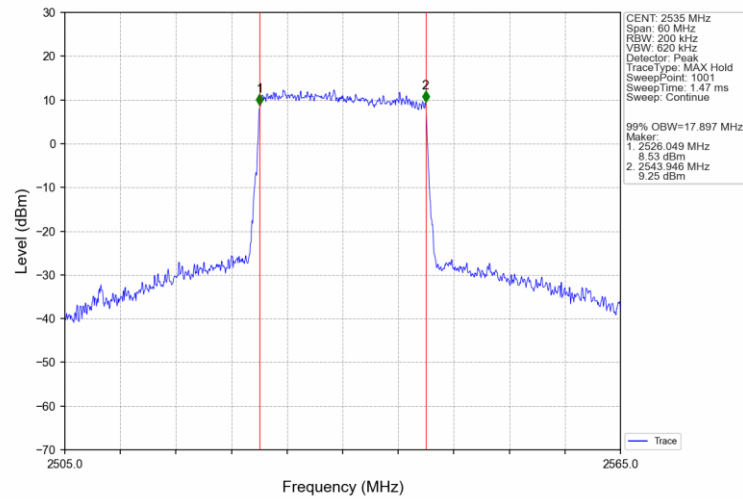
### Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



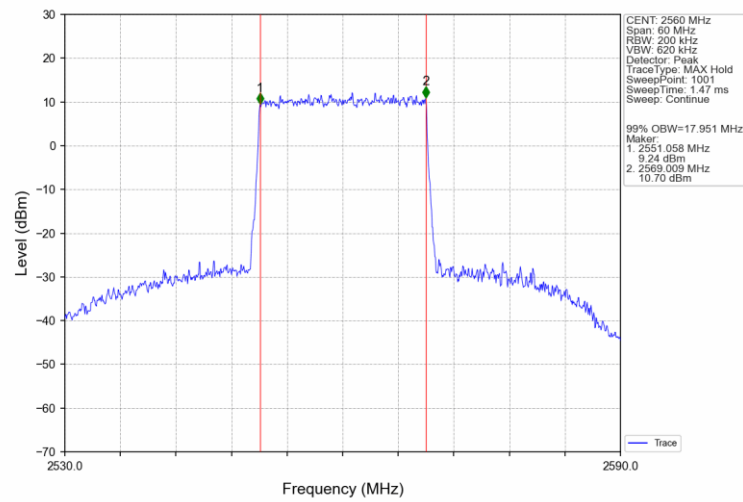
### Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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

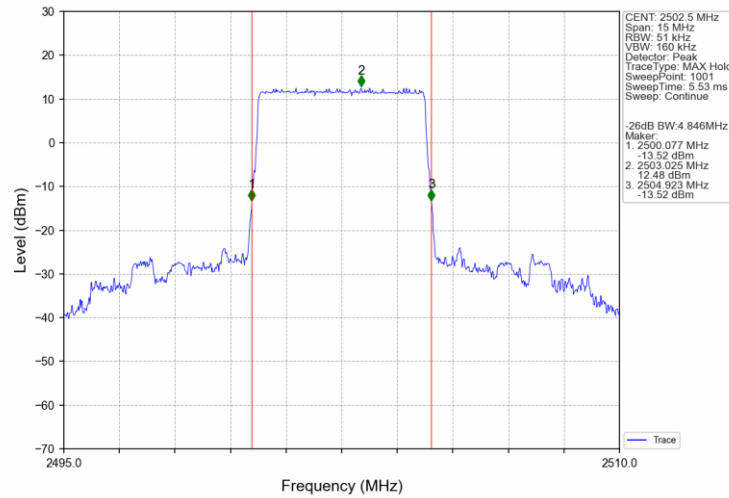


Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTN

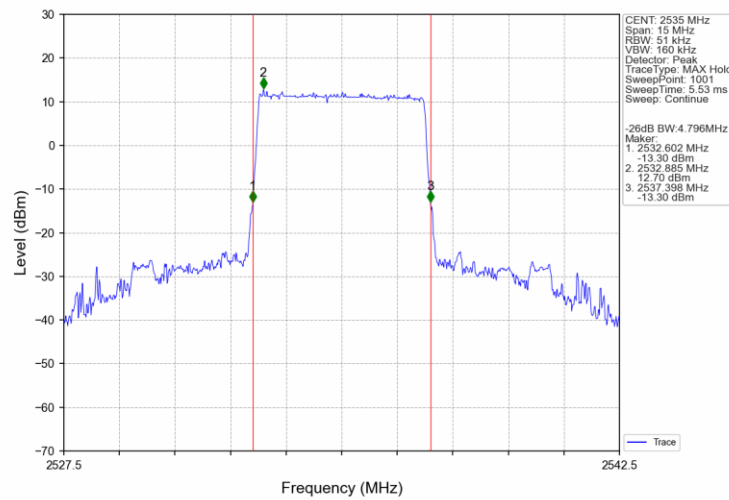


## 4.2.2 Band7\_XDB

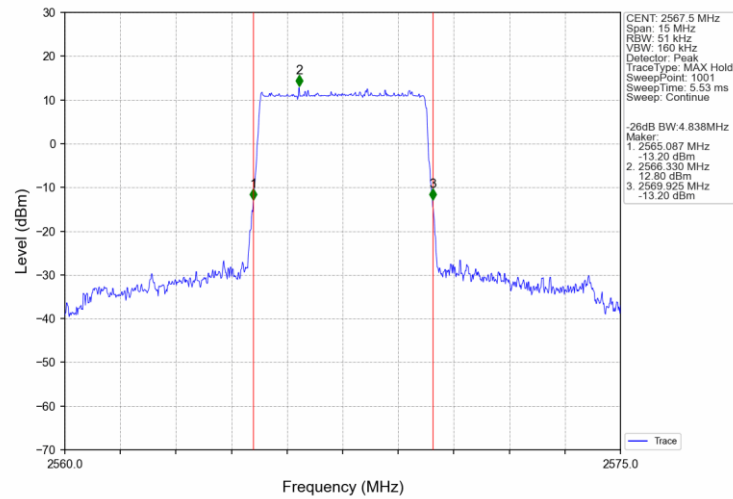
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV



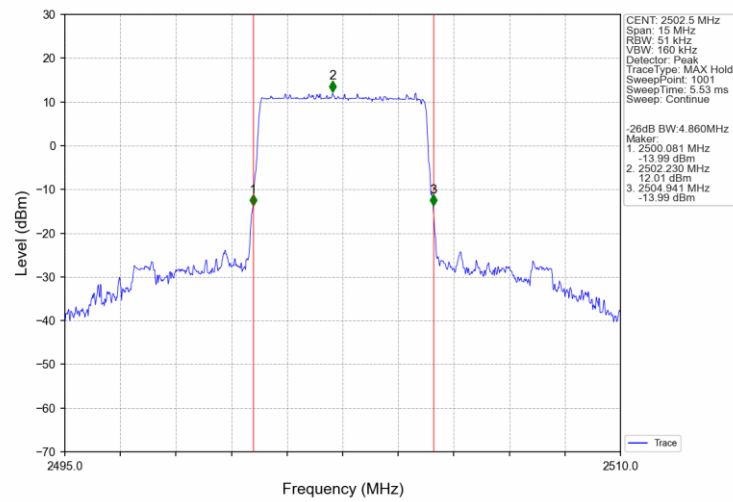
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_25\_0\_NTNV



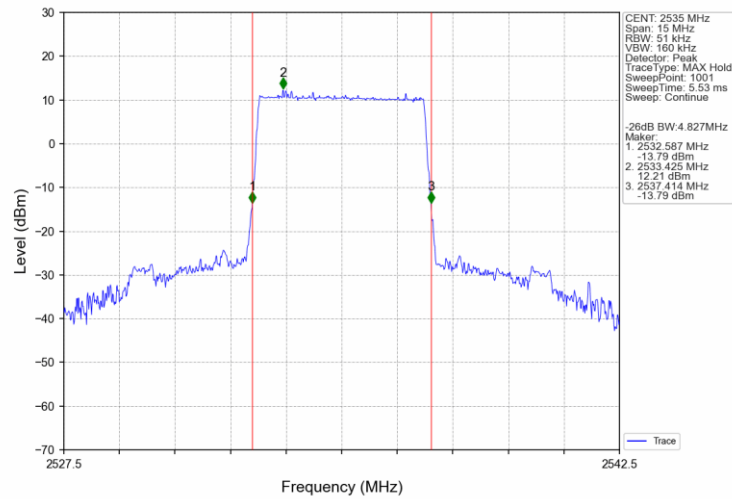
### Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN



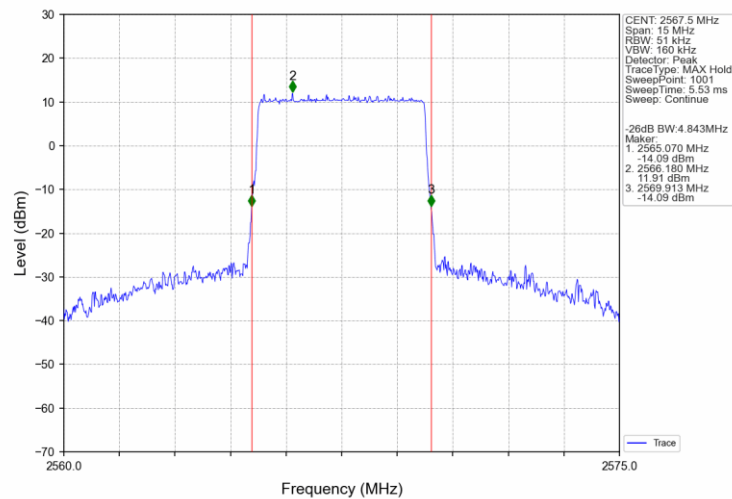
### Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTN



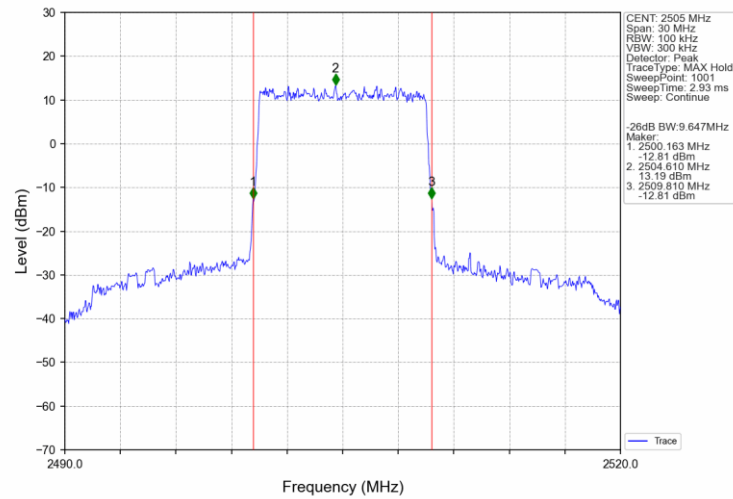
### Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



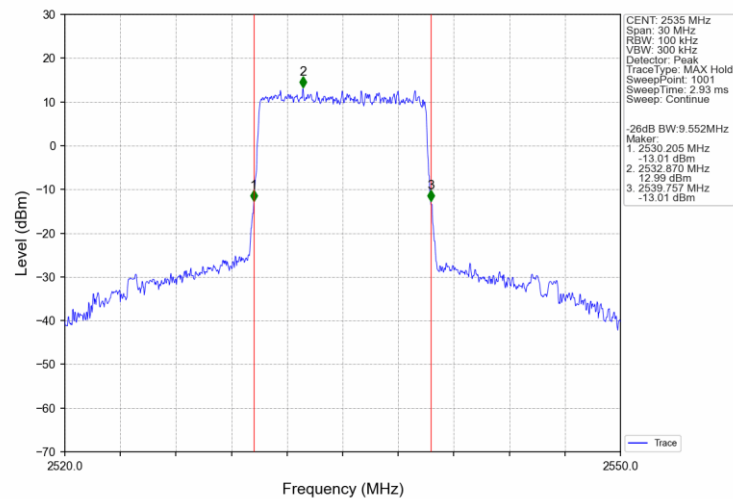
### Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



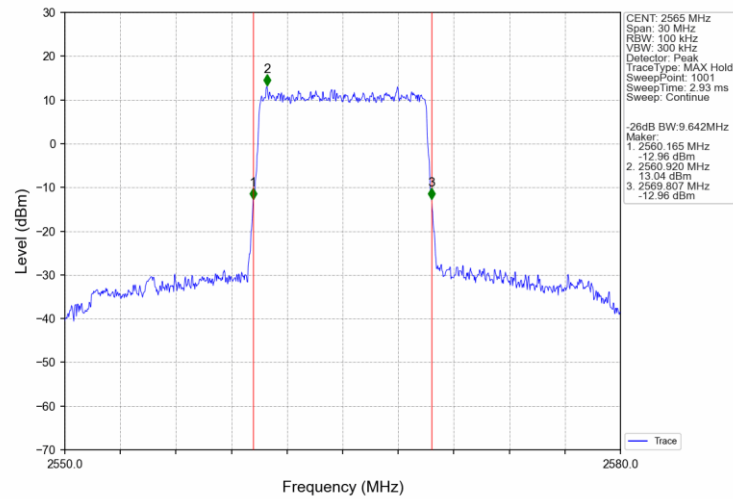
### Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



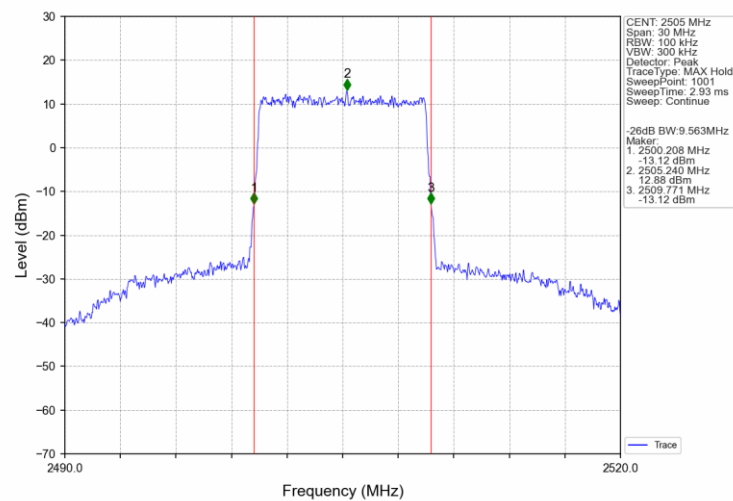
### Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



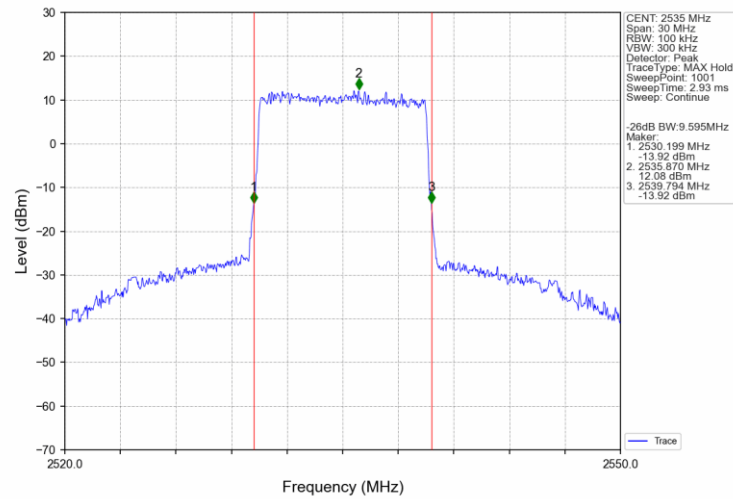
### Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



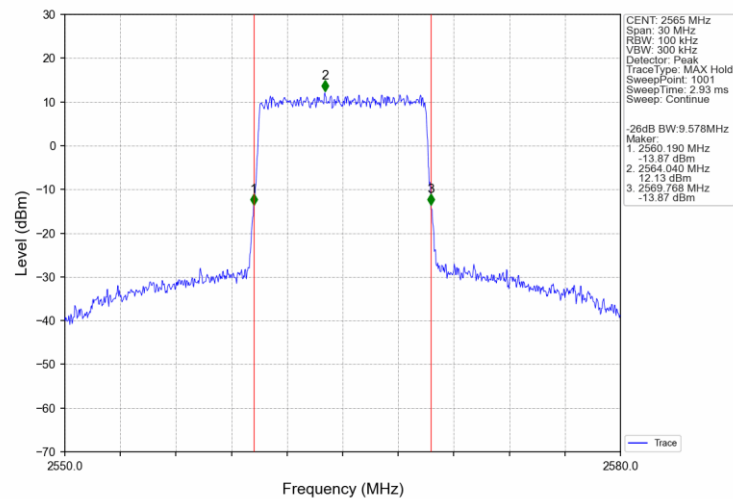
### Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



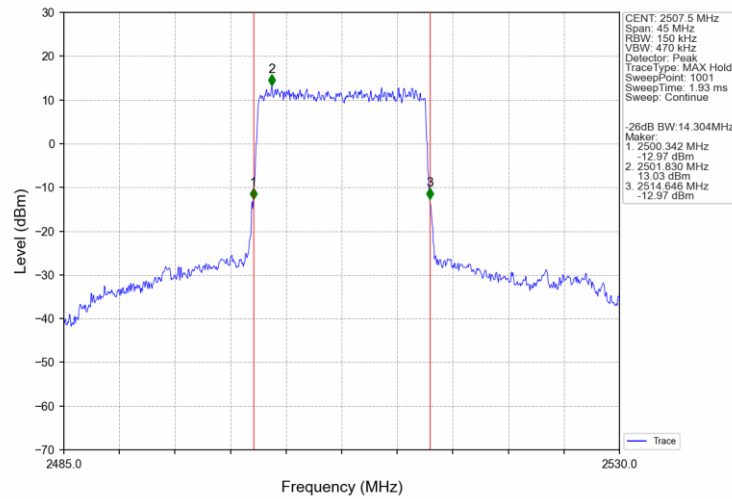
### Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



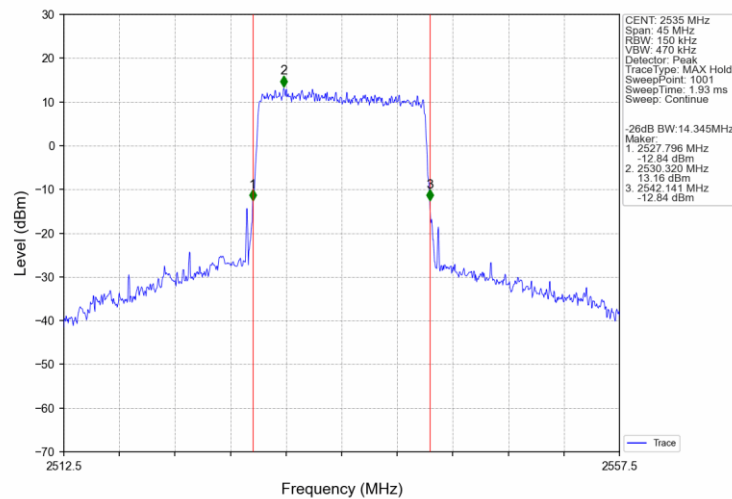
### Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTV



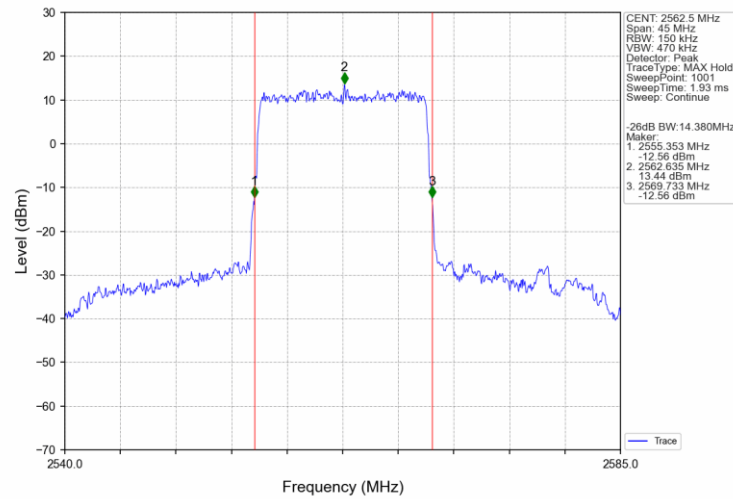
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



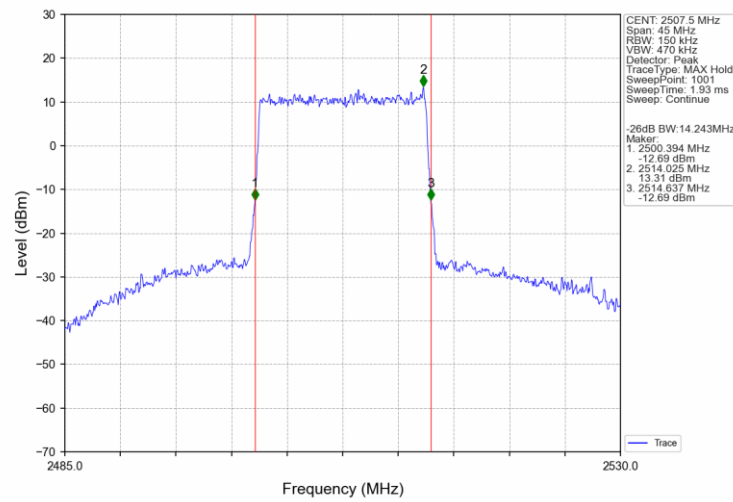
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



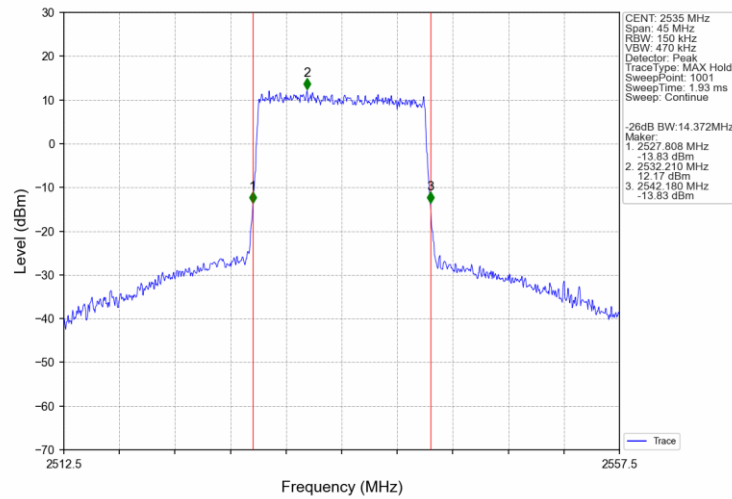
### Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



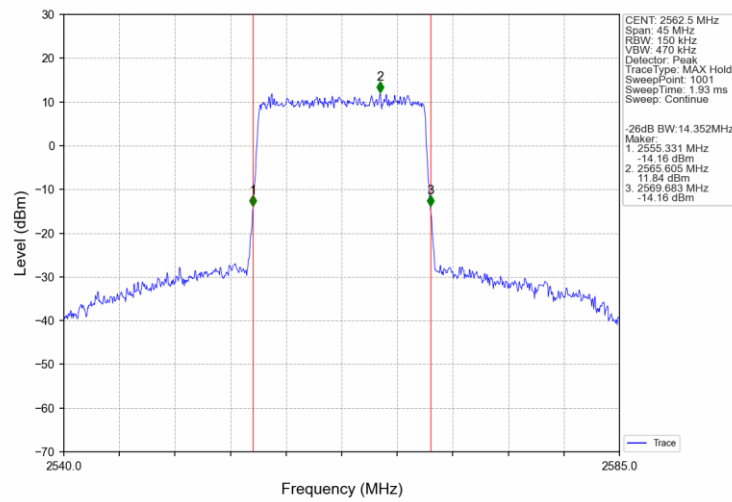
### Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



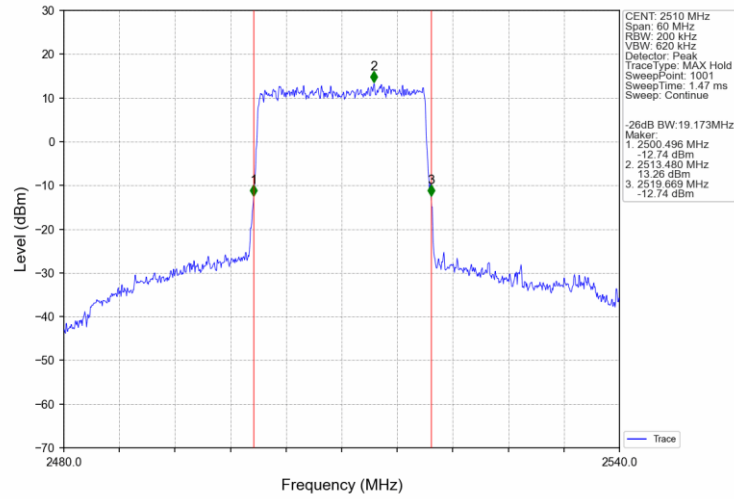
### Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



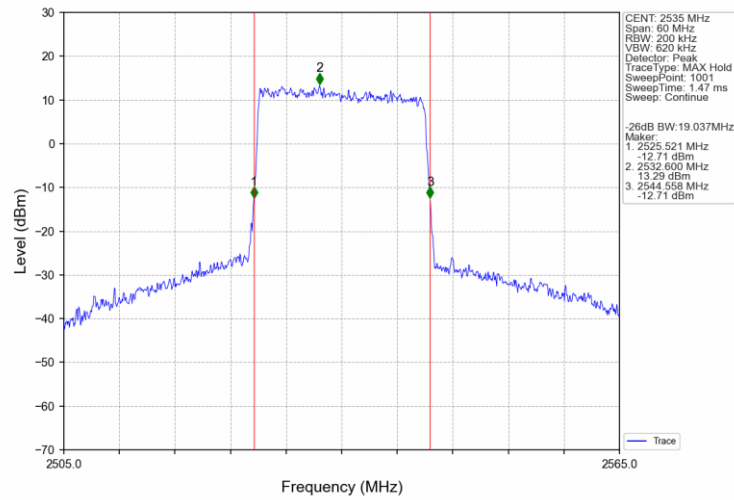
### Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



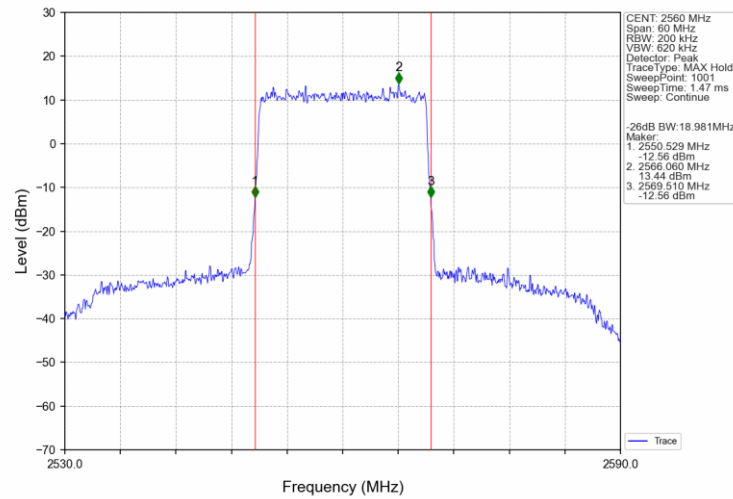
### Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV



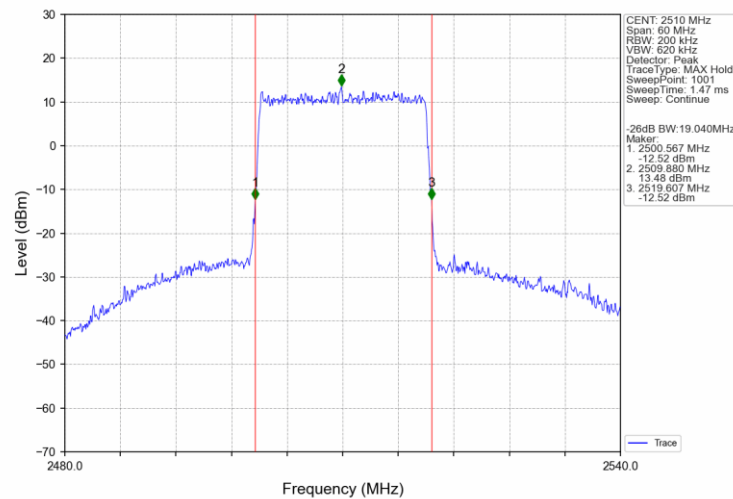
### Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTV



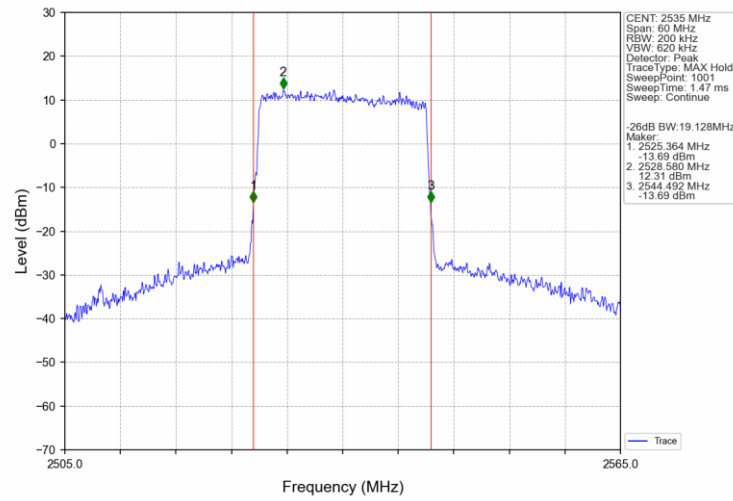
### Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



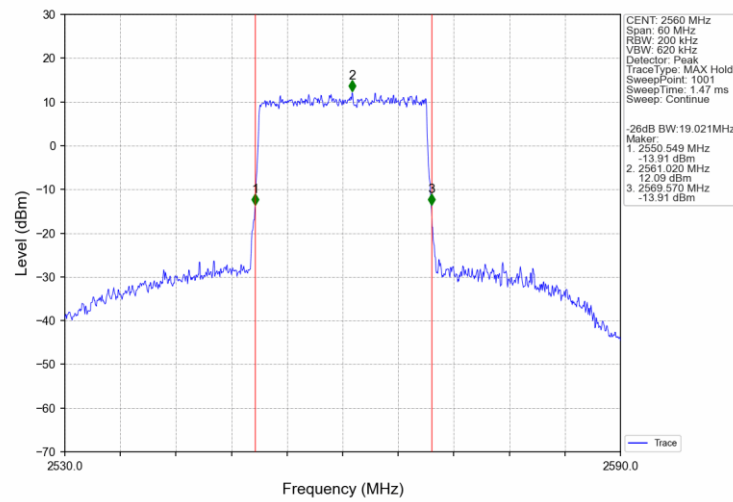
### Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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



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



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 2502.5          | 25            | 0      | 5.77                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.90                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 5.73                    | <=13  | Pass    |
| 16QAM                            | 2502.5          | 25            | 0      | 6.49                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 6.57                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 6.39                    | <=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      | 5.72                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.78                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 5.74                    | <=13  | Pass    |
| 16QAM                             | 2505            | 50            | 0      | 6.46                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 6.56                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 6.45                    | <=13  | Pass    |

#### 5.1.3 B7\_15MHz

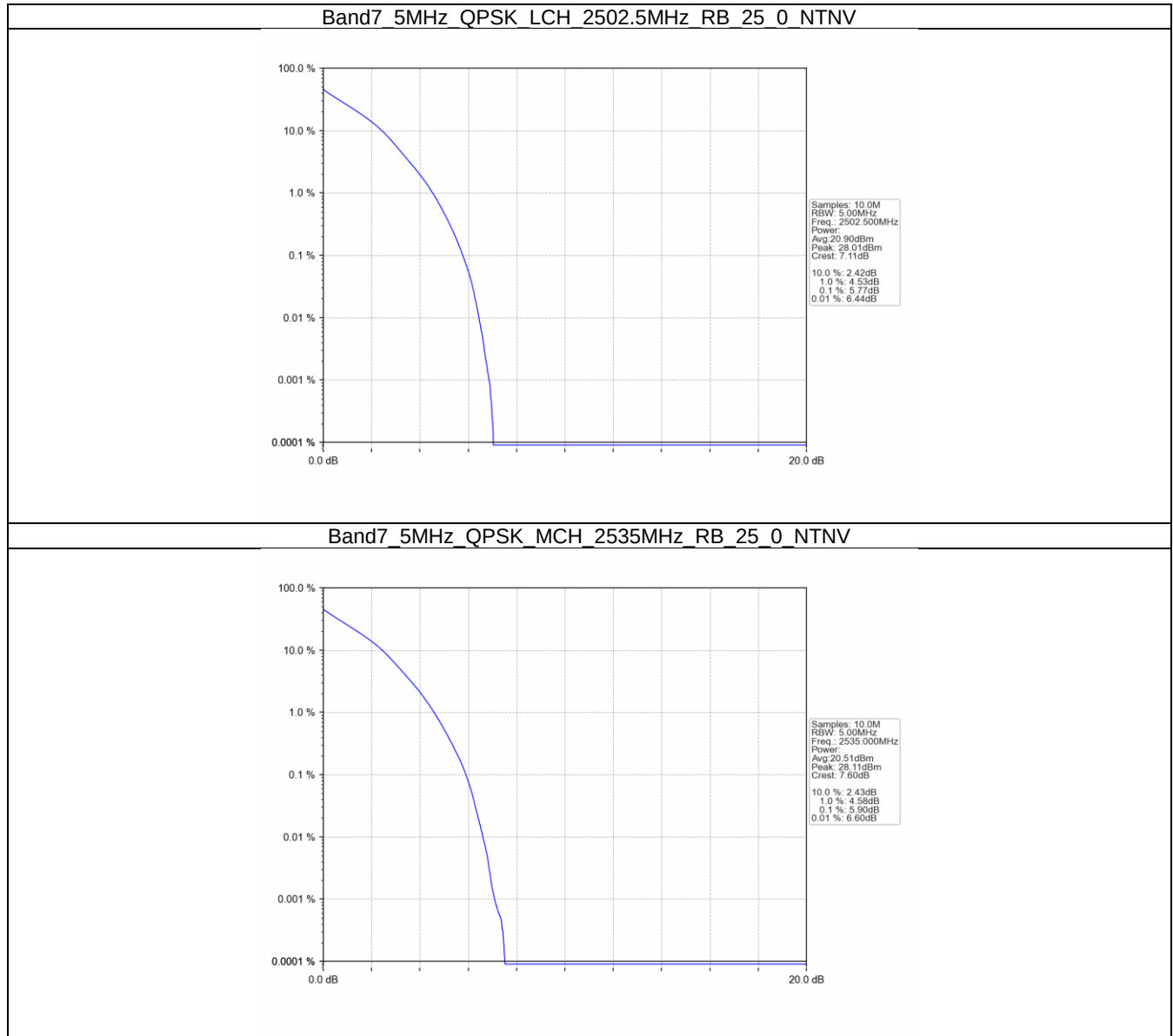
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2507.5          | 75            | 0      | 6.16                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.20                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 6.13                    | <=13  | Pass    |
| 16QAM                             | 2507.5          | 75            | 0      | 6.61                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.67                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 6.59                    | <=13  | Pass    |

#### 5.1.4 B7\_20MHz

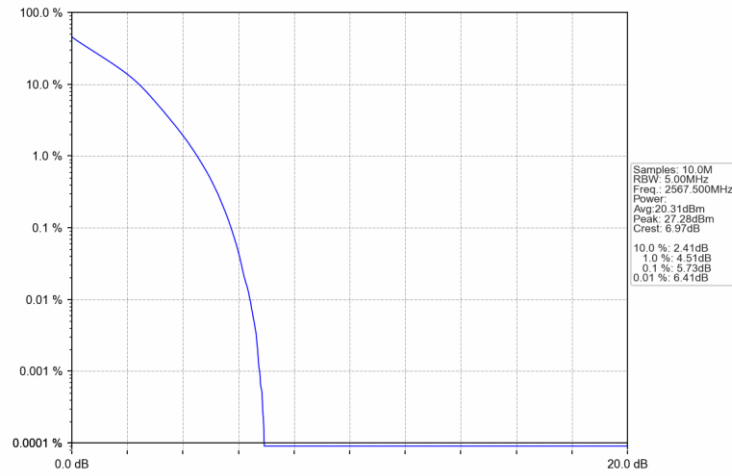
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2510            | 100           | 0      | 5.78                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.75                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.71                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.49                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 6.54                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 6.49                    | <=13  | Pass    |

## 5.2 Test Graph

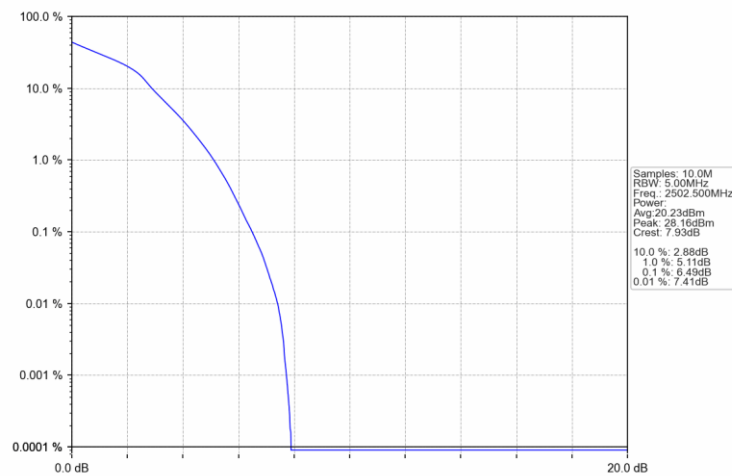
### 5.2.1 B7\_5MHz



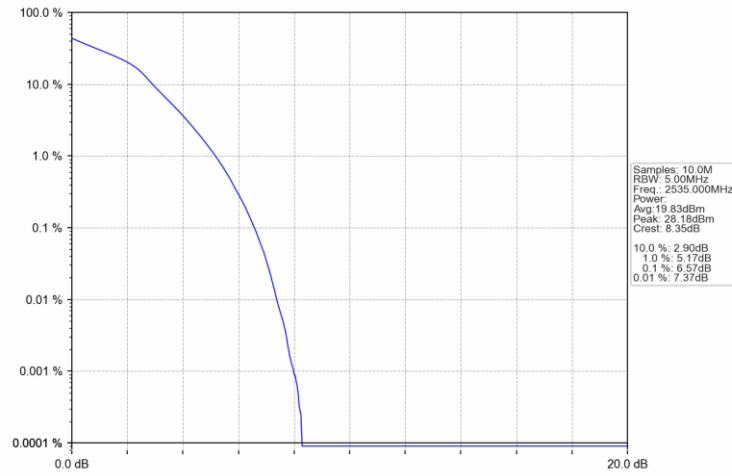
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



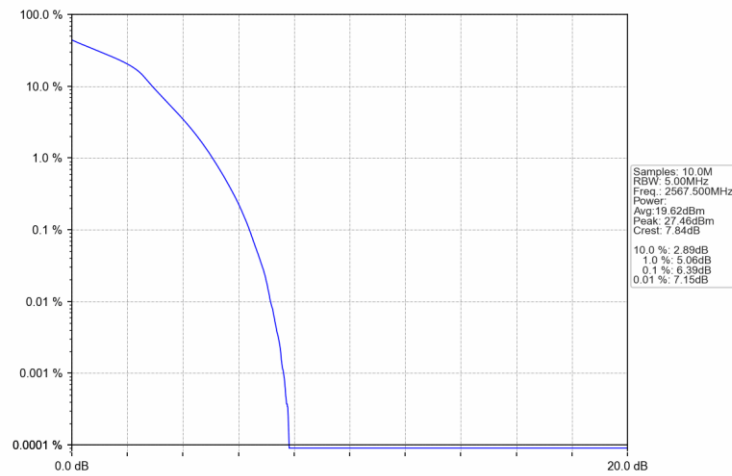
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



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

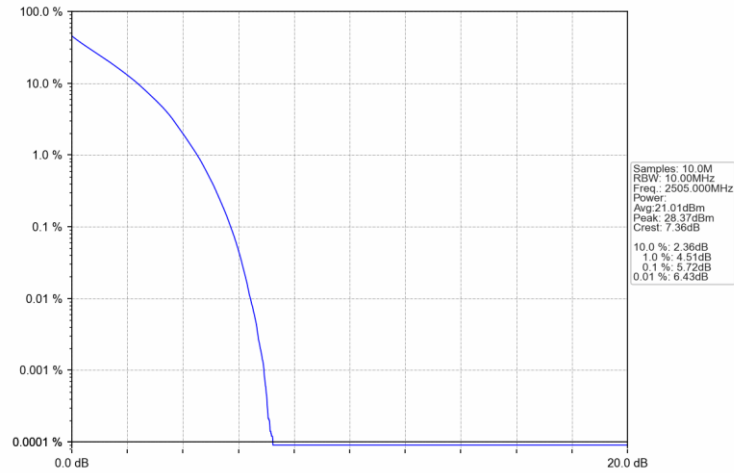


Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV

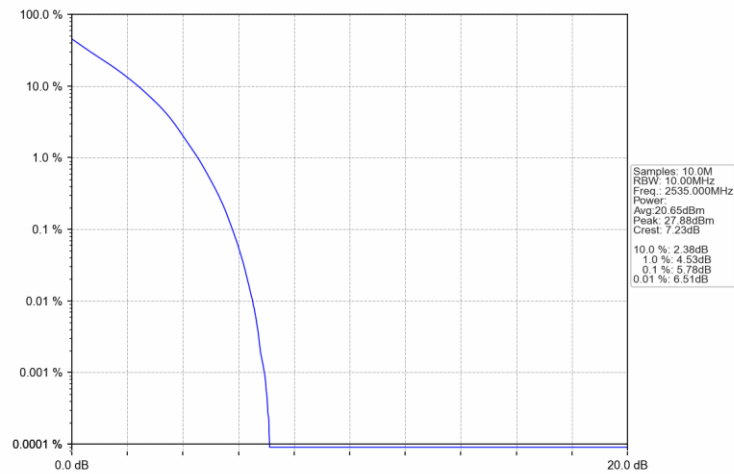


## 5.2.2 B7\_10MHz

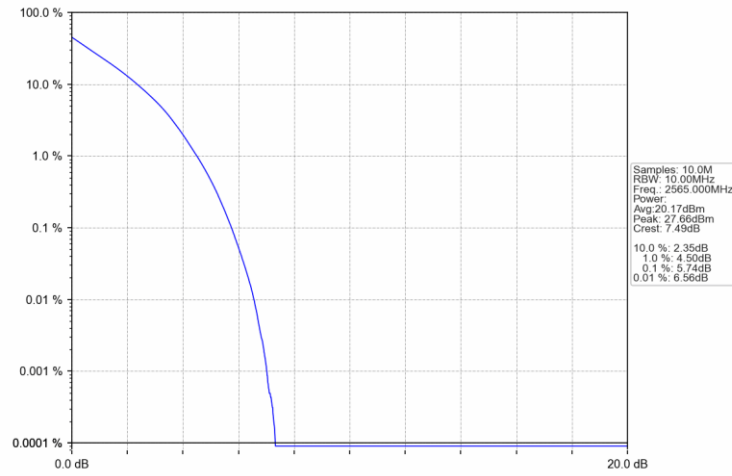
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



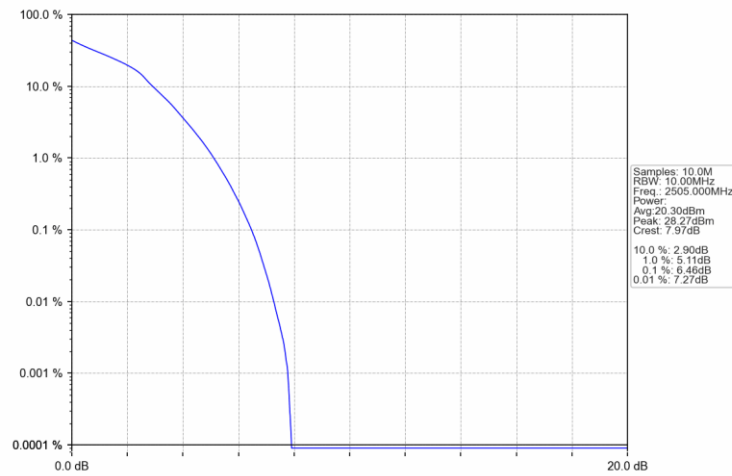
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



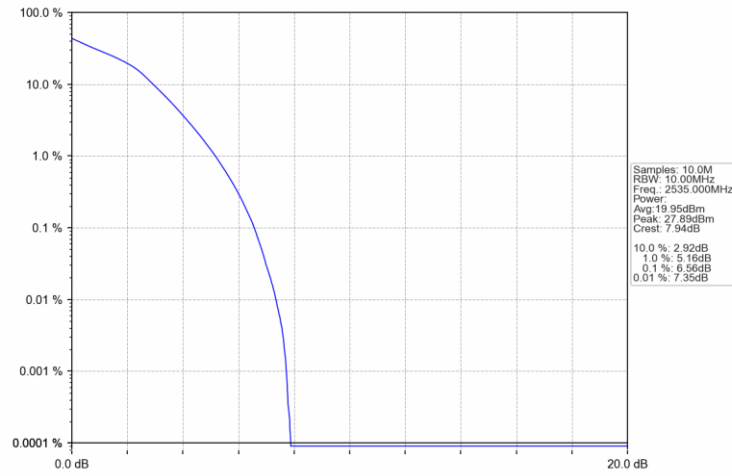
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



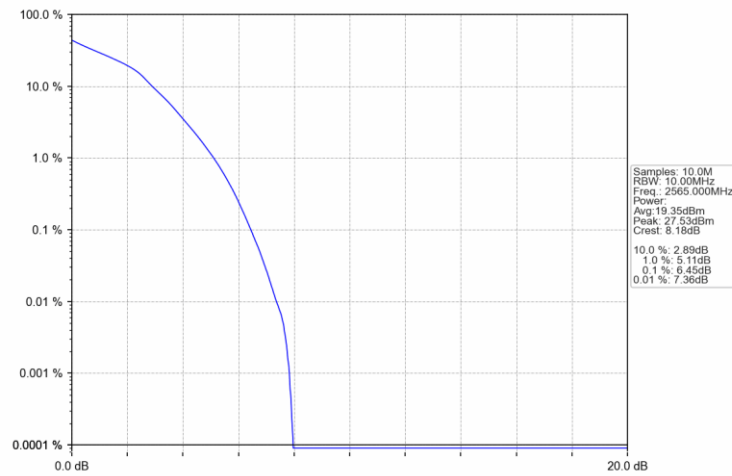
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



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

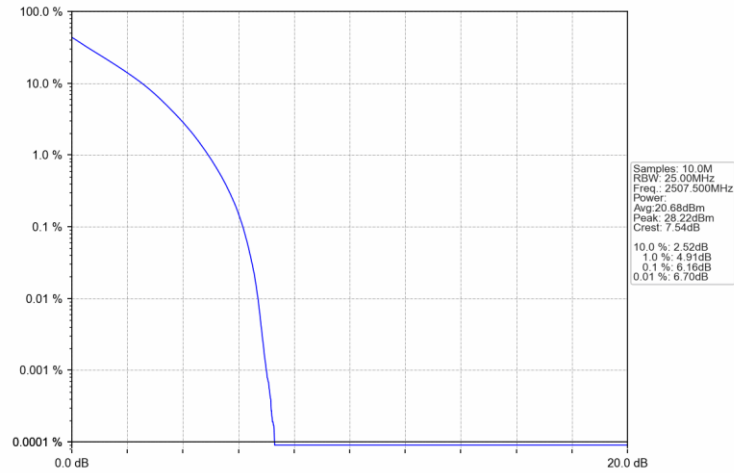


Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV

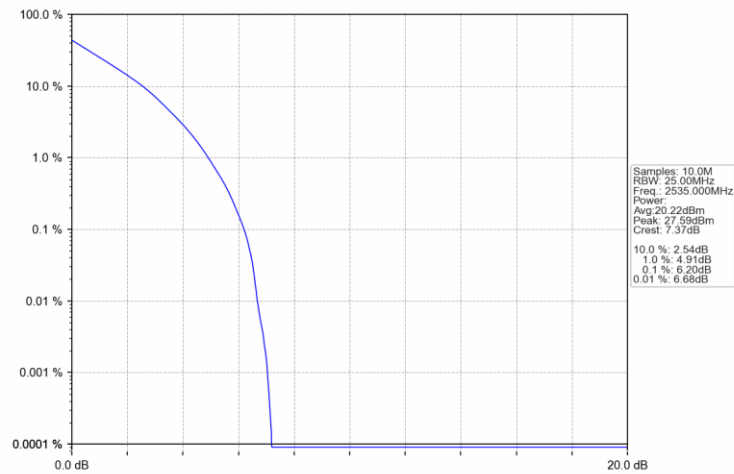


### 5.2.3 B7\_15MHz

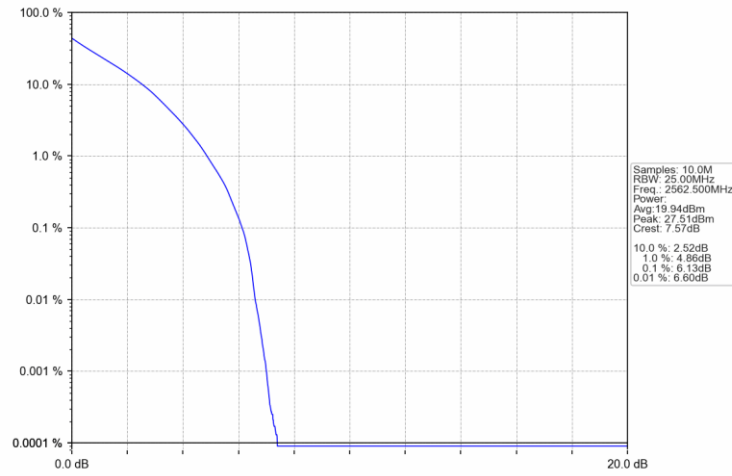
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



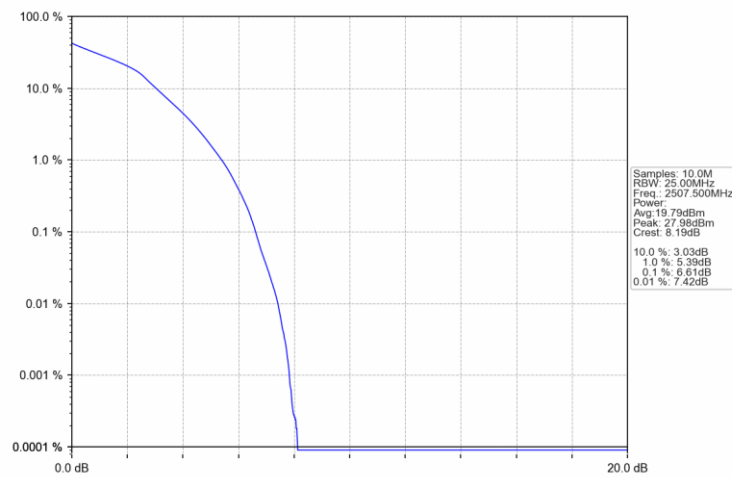
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



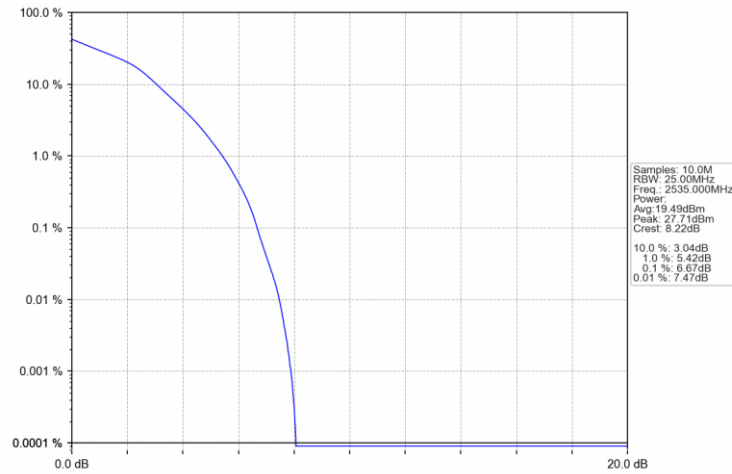
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



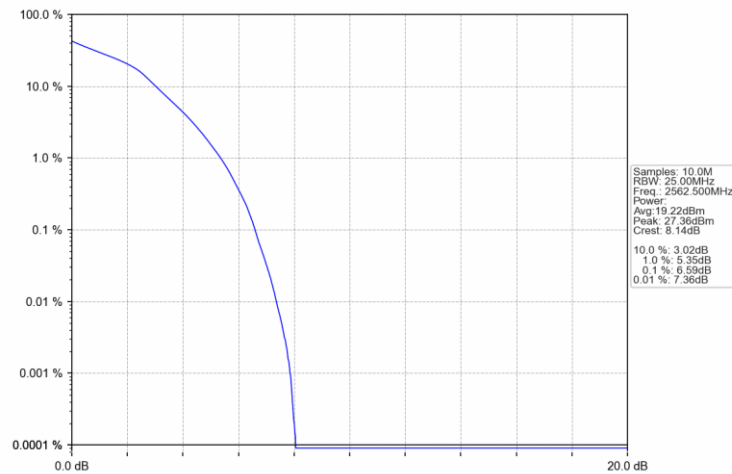
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



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

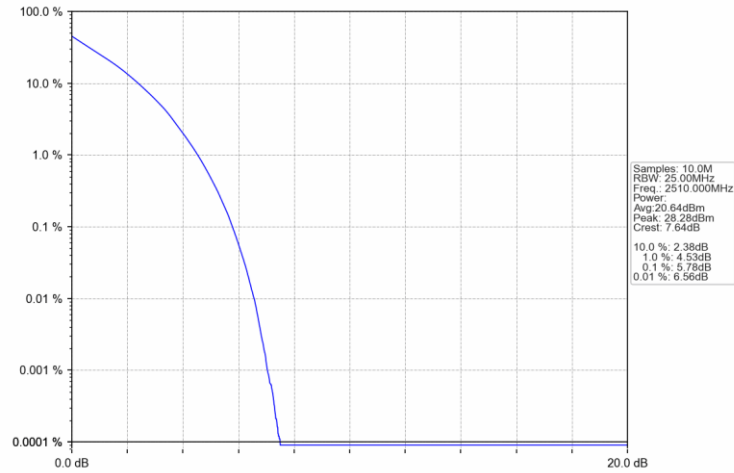


Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV

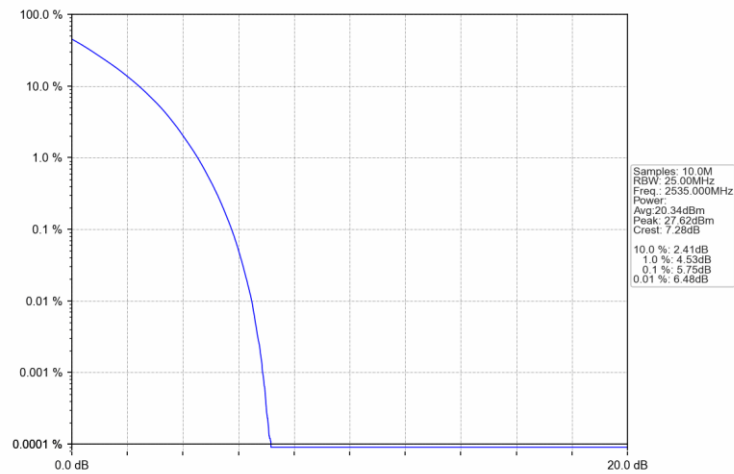


## 5.2.4 B7\_20MHz

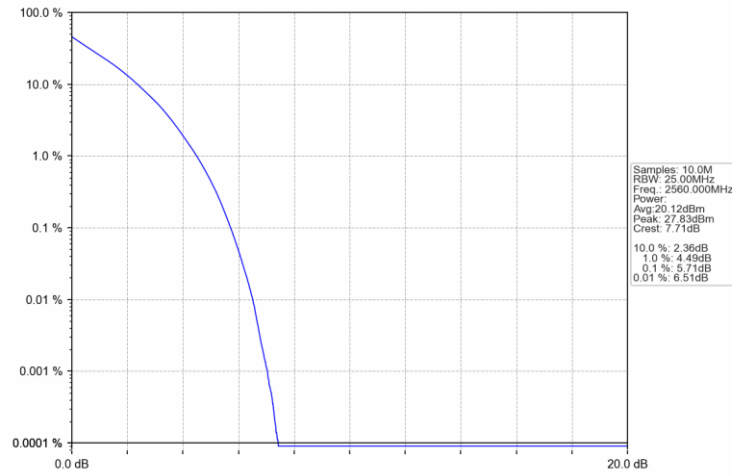
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



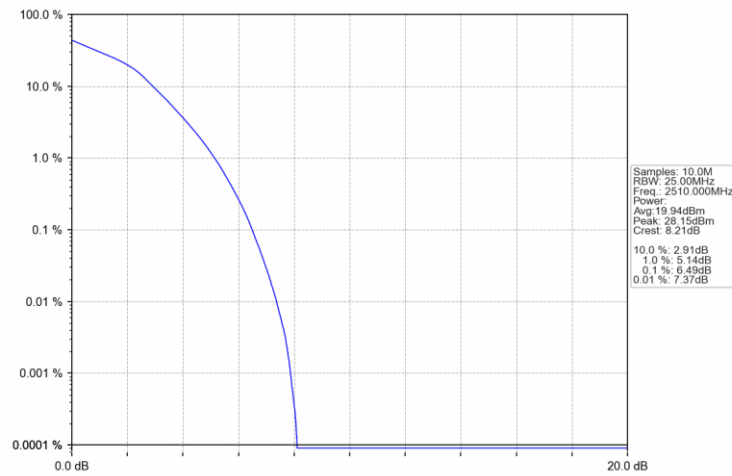
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



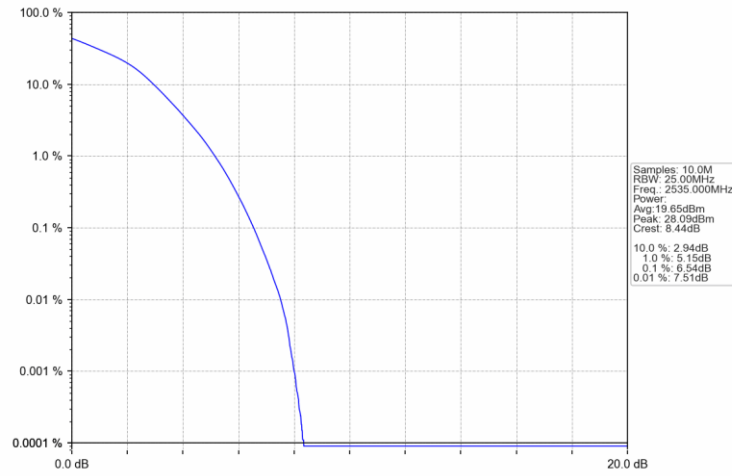
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



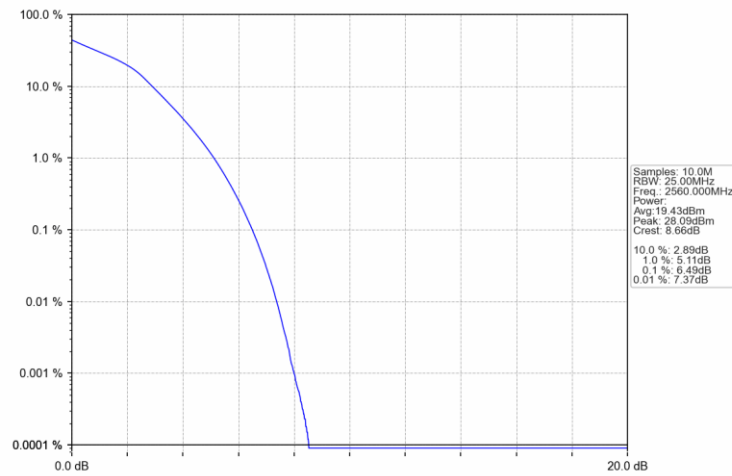
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



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

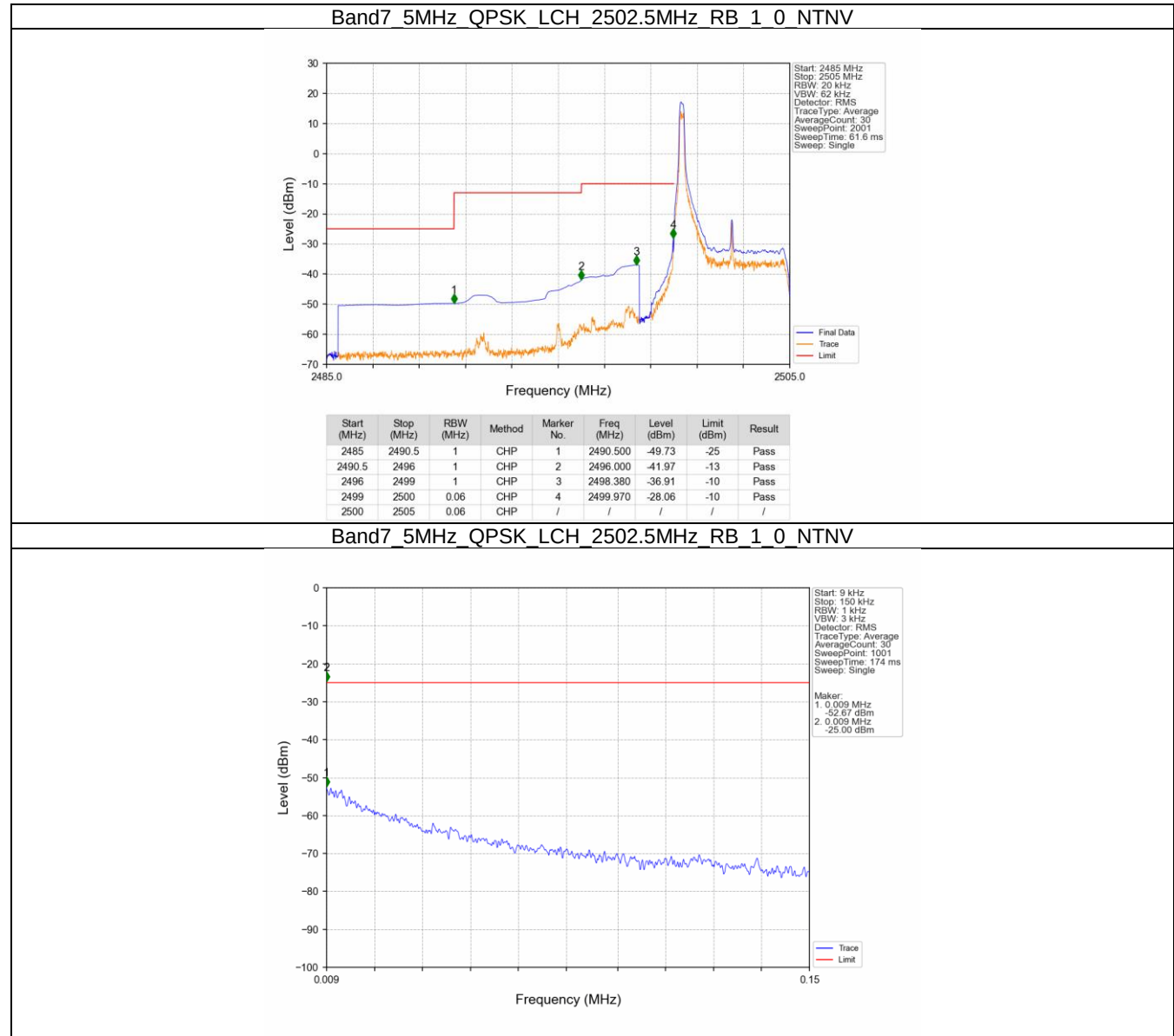
| Band: 7 / Bandwidth: 15MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB 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

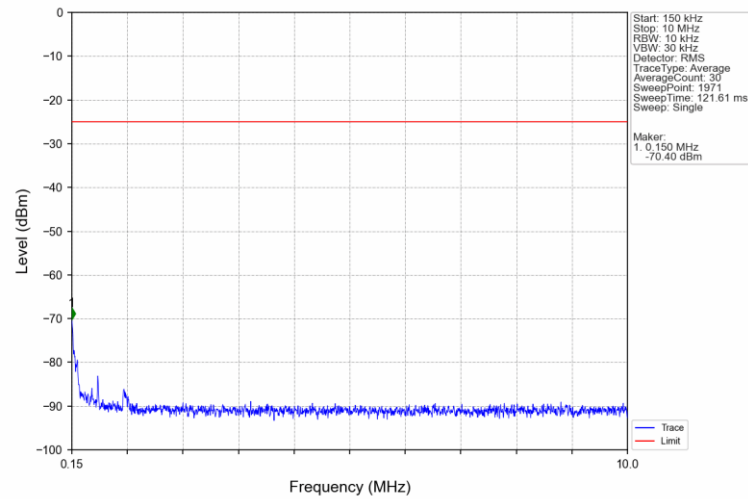
| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation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

## 6.2 Test Graph

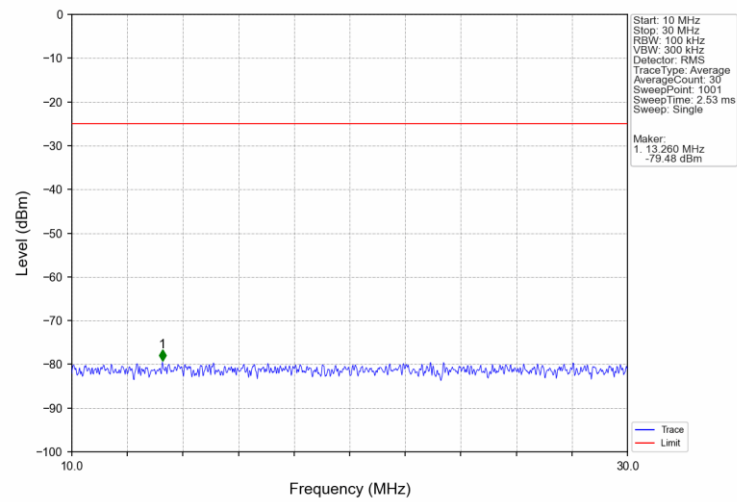
### 6.2.1 B7\_5MHz



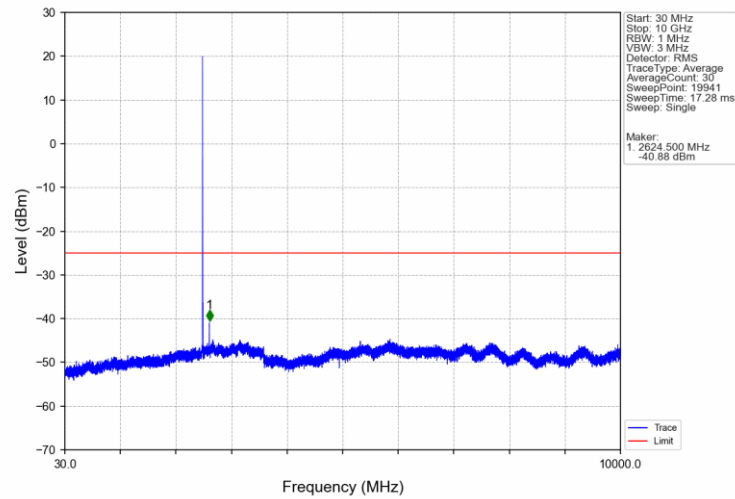
### Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



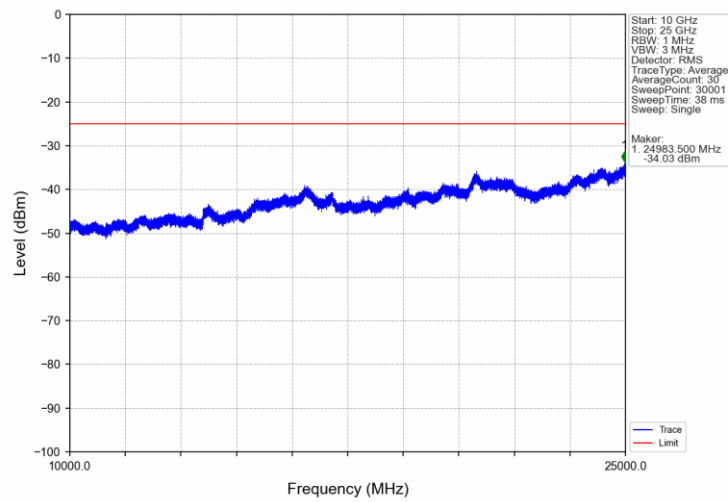
### Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



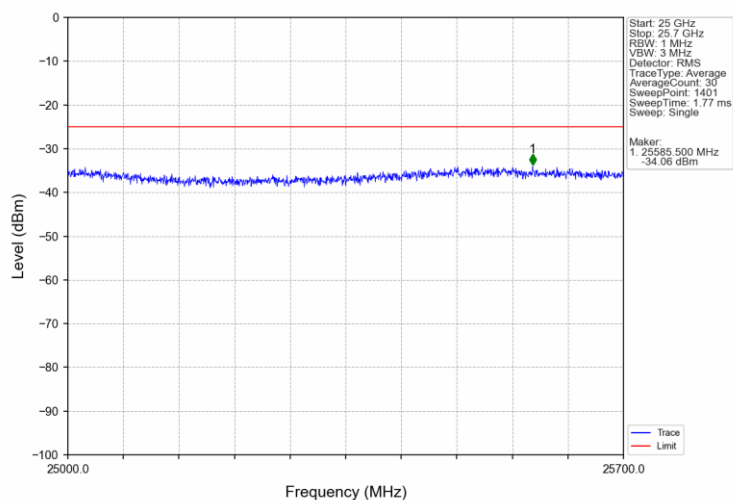
### Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



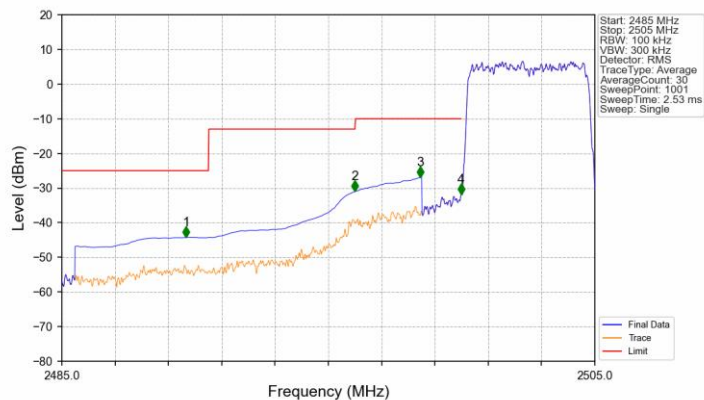
### Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



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



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



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.660   | -44.17      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2496.000   | -31.00      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.460   | -26.93      | -10         | Pass   |
| 2499        | 2500       | 0.1       | /      | 4          | 2499.980   | -31.82      | -10         | Pass   |
| 2500        | 2505       | 0.1       | /      | /          | /          | /           | /           | /      |