

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

### 1.1 Test Result

#### 1.1.1 B41\_5MHz\_EIRP

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2557.5          | 1             | 0      | 23.54                 | -1.49      | 22.05      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.48                 | -1.49      | 21.99      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.44                 | -1.49      | 21.95      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.49                 | -1.49      | 21.00      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.56                 | -1.49      | 21.07      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.54                 | -1.49      | 21.05      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.62                 | -1.49      | 21.13      | <=33.01 | Pass    |
|                                   | 2605            | 1             | 0      | 23.36                 | -1.49      | 21.87      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.28                 | -1.49      | 21.79      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.45                 | -1.49      | 21.96      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.30                 | -1.49      | 20.81      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.42                 | -1.49      | 20.93      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.28                 | -1.49      | 20.79      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.31                 | -1.49      | 20.82      | <=33.01 | Pass    |
|                                   | 2652.5          | 1             | 0      | 23.41                 | -1.49      | 21.92      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.33                 | -1.49      | 21.84      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.39                 | -1.49      | 21.90      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.32                 | -1.49      | 20.83      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.22                 | -1.49      | 20.73      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.26                 | -1.49      | 20.77      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.23                 | -1.49      | 20.74      | <=33.01 | Pass    |
| 16QAM                             | 2557.5          | 1             | 0      | 23.33                 | -1.49      | 21.84      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.21                 | -1.49      | 21.72      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.52                 | -1.49      | 22.03      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.52                 | -1.49      | 20.03      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.41                 | -1.49      | 19.92      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.37                 | -1.49      | 19.88      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.74                 | -1.49      | 20.25      | <=33.01 | Pass    |
|                                   | 2605            | 1             | 0      | 22.20                 | -1.49      | 20.71      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.34                 | -1.49      | 20.85      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.35                 | -1.49      | 20.86      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.25                 | -1.49      | 19.76      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.20                 | -1.49      | 19.71      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.27                 | -1.49      | 19.78      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.36                 | -1.49      | 19.87      | <=33.01 | Pass    |
|                                   | 2652.5          | 1             | 0      | 22.12                 | -1.49      | 20.63      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.95                 | -1.49      | 20.46      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.31                 | -1.49      | 20.82      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.05                 | -1.49      | 19.56      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.11                 | -1.49      | 19.62      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.22                 | -1.49      | 19.73      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.20                 | -1.49      | 19.71      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B41\_10MHz\_EIRP

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2560            | 1             | 0      | 23.61                 | -1.49      | 22.12      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.61                 | -1.49      | 22.12      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.58                 | -1.49      | 22.09      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.51                 | -1.49      | 21.02      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.55                 | -1.49      | 21.06      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.50                 | -1.49      | 21.01      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.53                 | -1.49      | 21.04      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 23.35                 | -1.49      | 21.86      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.30                 | -1.49      | 21.81      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 49     | 23.27                 | -1.49      | 21.78      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.34                 | -1.49      | 20.85      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.31                 | -1.49      | 20.82      | <=33.01 | Pass    |
|                                    |                 | 25            | 25     | 22.35                 | -1.49      | 20.86      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.45                 | -1.49      | 20.96      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 23.33                 | -1.49      | 21.84      | <=33.01 | Pass    |
|                                    |                 | 25            | 25     | 23.37                 | -1.49      | 21.88      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.28                 | -1.49      | 21.79      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.44                 | -1.49      | 20.95      | <=33.01 | Pass    |
|                                    | 2650            | 25            | 13     | 22.25                 | -1.49      | 20.76      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.33                 | -1.49      | 20.84      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.27                 | -1.49      | 20.78      | <=33.01 | Pass    |
| 16QAM                              | 2560            | 1             | 0      | 22.67                 | -1.49      | 21.18      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.38                 | -1.49      | 20.89      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.61                 | -1.49      | 21.12      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.61                 | -1.49      | 20.12      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.54                 | -1.49      | 20.05      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.45                 | -1.49      | 19.96      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.50                 | -1.49      | 20.01      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.19                 | -1.49      | 20.70      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.08                 | -1.49      | 20.59      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 49     | 22.64                 | -1.49      | 21.15      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.55                 | -1.49      | 20.06      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.50                 | -1.49      | 20.01      | <=33.01 | Pass    |
|                                    |                 | 25            | 25     | 21.64                 | -1.49      | 20.15      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.30                 | -1.49      | 19.81      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 23.01                 | -1.49      | 21.52      | <=33.01 | Pass    |
|                                    |                 | 25            | 25     | 23.02                 | -1.49      | 21.53      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.15                 | -1.49      | 21.66      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.46                 | -1.49      | 19.97      | <=33.01 | Pass    |
|                                    | 2650            | 25            | 13     | 21.42                 | -1.49      | 19.93      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.35                 | -1.49      | 19.86      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.44                 | -1.49      | 19.95      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain



| Band: 41 / Bandwidth: 15MHz / NTNv       |                 |               |        |                       |            |            |         |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                                     | 2562.5          | 1             | 0      | 23.49                 | -1.49      | 22.00      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 23.53                 | -1.49      | 22.04      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 23.59                 | -1.49      | 22.10      | <=33.01 | Pass    |         |      |
|                                          |                 | 36            | 0      | 22.46                 | -1.49      | 20.97      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 22.53                 | -1.49      | 21.04      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 22.50                 | -1.49      | 21.01      | <=33.01 | Pass    |         |      |
|                                          |                 | 75            | 0      | 22.43                 | -1.49      | 20.94      | <=33.01 | Pass    |         |      |
|                                          |                 | 2605          | 1      | 0                     | 23.51      | -1.49      | 22.02   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 38                    | 23.19      | -1.49      | 21.70   | <=33.01 | Pass    |      |
|                                          | 74              |               |        | 23.20                 | -1.49      | 21.71      | <=33.01 | Pass    |         |      |
|                                          | 36              |               | 0      | 22.33                 | -1.49      | 20.84      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 22.45                 | -1.49      | 20.96      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 22.32                 | -1.49      | 20.83      | <=33.01 | Pass    |         |      |
|                                          | 75              | 0             | 22.37  | -1.49                 | 20.88      | <=33.01    | Pass    |         |         |      |
|                                          | 2647.5          | 1             | 0      | 23.39                 | -1.49      | 21.90      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 23.33                 | -1.49      | 21.84      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 23.22                 | -1.49      | 21.73      | <=33.01 | Pass    |         |      |
|                                          |                 | 36            | 0      | 22.31                 | -1.49      | 20.82      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 22.40                 | -1.49      | 20.91      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 22.17                 | -1.49      | 20.68      | <=33.01 | Pass    |         |      |
|                                          |                 | 75            | 0      | 22.29                 | -1.49      | 20.80      | <=33.01 | Pass    |         |      |
|                                          |                 | 16QAM         | 2562.5 | 1                     | 0          | 22.62      | -1.49   | 21.13   | <=33.01 | Pass |
|                                          |                 |               |        |                       | 38         | 22.56      | -1.49   | 21.07   | <=33.01 | Pass |
|                                          | 74              |               |        |                       | 22.30      | -1.49      | 20.81   | <=33.01 | Pass    |      |
| 36                                       | 0               |               |        | 21.52                 | -1.49      | 20.03      | <=33.01 | Pass    |         |      |
|                                          | 18              |               |        | 21.47                 | -1.49      | 19.98      | <=33.01 | Pass    |         |      |
|                                          | 39              |               |        | 21.45                 | -1.49      | 19.96      | <=33.01 | Pass    |         |      |
| 75                                       | 0               |               |        | 21.50                 | -1.49      | 20.01      | <=33.01 | Pass    |         |      |
| 2605                                     | 1               |               | 0      | 22.36                 | -1.49      | 20.87      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 22.15                 | -1.49      | 20.66      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 22.03                 | -1.49      | 20.54      | <=33.01 | Pass    |         |      |
|                                          | 36              |               | 0      | 21.42                 | -1.49      | 19.93      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 21.42                 | -1.49      | 19.93      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 21.43                 | -1.49      | 19.94      | <=33.01 | Pass    |         |      |
| 75                                       | 0               |               | 21.48  | -1.49                 | 19.99      | <=33.01    | Pass    |         |         |      |
| 2647.5                                   | 1               |               | 0      | 23.09                 | -1.49      | 21.60      | <=33.01 | Pass    |         |      |
|                                          |                 | 38            | 23.15  | -1.49                 | 21.66      | <=33.01    | Pass    |         |         |      |
|                                          |                 | 74            | 23.00  | -1.49                 | 21.51      | <=33.01    | Pass    |         |         |      |
|                                          | 36              | 0             | 21.37  | -1.49                 | 19.88      | <=33.01    | Pass    |         |         |      |
|                                          |                 | 18            | 21.31  | -1.49                 | 19.82      | <=33.01    | Pass    |         |         |      |
|                                          |                 | 39            | 21.36  | -1.49                 | 19.87      | <=33.01    | Pass    |         |         |      |
|                                          | 75              | 0             | 21.39  | -1.49                 | 19.90      | <=33.01    | Pass    |         |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |         |      |

### 1.1.4 B41\_20MHz\_EIRP

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2565            | 1             | 0      | 23.57                 | -1.49      | 22.08      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.53                 | -1.49      | 22.04      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.45                 | -1.49      | 21.96      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.42                 | -1.49      | 20.93      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.57                 | -1.49      | 21.08      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.58                 | -1.49      | 21.09      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.45                 | -1.49      | 20.96      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 23.46                 | -1.49      | 21.97      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.60                 | -1.49      | 22.11      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.55                 | -1.49      | 22.06      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.41                 | -1.49      | 20.92      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.40                 | -1.49      | 20.91      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.37                 | -1.49      | 20.88      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.33                 | -1.49      | 20.84      | <=33.01 | Pass    |
|                                    | 2645            | 1             | 0      | 23.20                 | -1.49      | 21.71      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.27                 | -1.49      | 21.78      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.33                 | -1.49      | 21.84      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.35                 | -1.49      | 20.86      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.36                 | -1.49      | 20.87      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.19                 | -1.49      | 20.70      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.26                 | -1.49      | 20.77      | <=33.01 | Pass    |
| 16QAM                              | 2565            | 1             | 0      | 23.54                 | -1.49      | 22.05      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.27                 | -1.49      | 21.78      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.51                 | -1.49      | 22.02      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.57                 | -1.49      | 20.08      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.66                 | -1.49      | 20.17      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.68                 | -1.49      | 20.19      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.45                 | -1.49      | 19.96      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 22.56                 | -1.49      | 21.07      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.59                 | -1.49      | 21.10      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.08                 | -1.49      | 21.59      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.48                 | -1.49      | 19.99      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.49                 | -1.49      | 20.00      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.47                 | -1.49      | 19.98      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.47                 | -1.49      | 19.98      | <=33.01 | Pass    |
|                                    | 2645            | 1             | 0      | 22.34                 | -1.49      | 20.85      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.47                 | -1.49      | 20.98      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.09                 | -1.49      | 20.60      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.34                 | -1.49      | 19.85      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.54                 | -1.49      | 20.05      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.36                 | -1.49      | 19.87      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.44                 | -1.49      | 19.95      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2557.5          | 25            | 0      | 20         | 3.23          | 9.527            | 0.0037                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | -44.246          | -0.0173               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -38.123          | -0.0149               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -9.370           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -34.146          | -0.0134               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | -38.824          | -0.0152               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | -10.257          | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -22.516          | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | -32.158          | -0.0126               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | -38.981          | -0.0152               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | -45.004          | -0.0176               | -2.5 to 2.5 | Pass    |
|                            | 2605            | 25            | 0      | 20         | 3.23          | -7.339           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | -38.824          | -0.0149               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -35.763          | -0.0137               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -21.658          | -0.0083               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -17.881          | -0.0069               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | -40.841          | -0.0157               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | -19.941          | -0.0077               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -21.558          | -0.0083               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | -48.008          | -0.0184               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | -34.204          | -0.0131               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | -44.703          | -0.0172               | -2.5 to 2.5 | Pass    |
|                            | 2652.5          | 25            | 0      | 20         | 3.23          | 31.528           | 0.0119                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | 11.544           | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -39.740          | -0.0150               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -1.845           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -22.230          | -0.0084               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | -40.112          | -0.0151               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | -52.071          | -0.0196               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -21.558          | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | -27.666          | -0.0104               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | -29.340          | -0.0111               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | -37.436          | -0.0141               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2557.5          | 25            | 0      | 20         | 3.23          | -40.569          | -0.0159               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | -3.233           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | 36.607           | 0.0143                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -2.317           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | 28.725           | 0.0112                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | 46.563           | 0.0182                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | 8.311            | 0.0032                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | 27.566           | 0.0108                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | 30.642           | 0.0120                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | -3.161           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | 7.353            | 0.0029                | -2.5 to 2.5 | Pass    |
|                            | 2605            | 25            | 0      | 20         | 3.23          | -2.174           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | 32.330           | 0.0124                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | 14.663           | 0.0056                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | 34.947           | 0.0134                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | 5.894            | 0.0023                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | 25.005           | 0.0096                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   | 0   | 3.80 | 35.062  | 0.0135  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.80 | 38.323  | 0.0147  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.80 | 41.628  | 0.0160  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.80 | -16.809 | -0.0065 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.80 | -13.561 | -0.0052 | -2.5 to 2.5 | Pass |
|  | 2652.5 | 25 | 0 | 20  | 3.23 | -26.851 | -0.0101 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.80 | 12.460  | 0.0047  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.37 | 17.109  | 0.0065  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.80 | 21.729  | 0.0082  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.80 | 8.168   | 0.0031  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.80 | 27.237  | 0.0103  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.80 | 35.133  | 0.0132  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.80 | -8.912  | -0.0034 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.80 | 5.436   | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.80 | 17.338  | 0.0065  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.80 | 31.528  | 0.0119  | -2.5 to 2.5 | Pass |

## 2.1.2 B41\_10MHz

| Band: 41 / Bandwidth: 10MHz |                    |               |         |               |                  |                     |                       |             |         |
|-----------------------------|--------------------|---------------|---------|---------------|------------------|---------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency<br>(MHz) | RB Allocation |         | Temp.<br>(°C) | Voltage<br>(VDC) | Freq. Error<br>(Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                    | Size          | Offset  |               |                  |                     | Result                | Limit       |         |
| QPSK                        | 2560               | 50            | 0       | 20            | 3.23             | -37.665             | -0.0147               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 3.80             | -44.603             | -0.0174               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 4.37             | -39.525             | -0.0154               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -30           | 3.80             | -18.325             | -0.0072               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -20           | 3.80             | -21.057             | -0.0082               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -10           | 3.80             | -31.157             | -0.0122               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 0             | 3.80             | -50.282             | -0.0196               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 10            | 3.80             | -8.712              | -0.0034               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 30            | 3.80             | -20.528             | -0.0080               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 40            | 3.80             | -29.540             | -0.0115               | -2.5 to 2.5 | Pass    |
|                             | 50                 | 3.80          | -15.392 | -0.0060       | -2.5 to 2.5      | Pass                |                       |             |         |
|                             | 2605               | 50            | 0       | 20            | 3.23             | -12.016             | -0.0046               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 3.80             | -40.040             | -0.0154               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 4.37             | -64.216             | -0.0247               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -30           | 3.80             | -51.026             | -0.0196               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -20           | 3.80             | -41.528             | -0.0159               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -10           | 3.80             | -34.189             | -0.0131               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 0             | 3.80             | -35.019             | -0.0134               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 10            | 3.80             | -50.511             | -0.0194               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 30            | 3.80             | -26.007             | -0.0100               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 40            | 3.80             | -38.738             | -0.0149               | -2.5 to 2.5 | Pass    |
|                             | 50                 | 3.80          | -31.371 | -0.0120       | -2.5 to 2.5      | Pass                |                       |             |         |
|                             | 2650               | 50            | 0       | 20            | 3.23             | 29.311              | 0.0111                | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 3.80             | -38.624             | -0.0146               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 4.37             | -8.225              | -0.0031               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -30           | 3.80             | -45.376             | -0.0171               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -20           | 3.80             | -45.362             | -0.0171               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | -10           | 3.80             | -23.904             | -0.0090               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 0             | 3.80             | -51.541             | -0.0194               | -2.5 to 2.5 | Pass    |
|                             |                    |               |         | 10            | 3.80             | -17.509             | -0.0066               | -2.5 to 2.5 | Pass    |
| 30                          |                    |               |         | 3.80          | -38.166          | -0.0144             | -2.5 to 2.5           | Pass        |         |
| 40                          |                    |               |         | 3.80          | -16.608          | -0.0063             | -2.5 to 2.5           | Pass        |         |
| 50                          | 3.80               | -26.107       | -0.0099 | -2.5 to 2.5   | Pass             |                     |                       |             |         |
| 16QAM                       | 2560               | 50            | 0       | 20            | 3.23             | 22.058              | 0.0086                | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 3.80             | 31.428              | 0.0123                | -2.5 to 2.5 | Pass    |
|                             |                    |               |         |               | 4.37             | 25.120              | 0.0098                | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |         |         |             |      |
|--|------|----|---|-----|------|---------|---------|-------------|------|
|  |      |    |   | -30 | 3.80 | -9.727  | -0.0038 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.80 | 8.097   | 0.0032  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.80 | 19.012  | 0.0074  | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.80 | 38.738  | 0.0151  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.80 | 33.875  | 0.0132  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.80 | 47.221  | 0.0184  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.80 | 19.627  | 0.0077  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.80 | 11.158  | 0.0044  | -2.5 to 2.5 | Pass |
|  | 2605 | 50 | 0 | 20  | 3.23 | -32.344 | -0.0124 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.80 | -45.390 | -0.0174 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.37 | -24.061 | -0.0092 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.80 | -42.086 | -0.0162 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.80 | -26.536 | -0.0102 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.80 | -53.573 | -0.0206 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.80 | -5.865  | -0.0023 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.80 | -22.974 | -0.0088 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.80 | -39.425 | -0.0151 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.80 | -18.539 | -0.0071 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.80 | -35.663 | -0.0137 | -2.5 to 2.5 | Pass |
|  | 2650 | 50 | 0 | 20  | 3.23 | -9.356  | -0.0035 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.80 | 28.811  | 0.0109  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.37 | 34.461  | 0.0130  | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.80 | 2.418   | 0.0009  | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.80 | 7.839   | 0.0030  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.80 | 11.029  | 0.0042  | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.80 | 12.331  | 0.0047  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.80 | 12.174  | 0.0046  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.80 | 9.155   | 0.0035  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.80 | 5.393   | 0.0020  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.80 | -9.055  | -0.0034 | -2.5 to 2.5 | Pass |

### 2.1.3 B41\_15MHz

| Band: 41 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 2562.5          | 75            | 0      | 20         | 3.23          | -34.003          | -0.0133               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | -43.302          | -0.0169               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | -34.890          | -0.0136               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.80          | -27.709          | -0.0108               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.80          | -20.370          | -0.0079               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.80          | -37.494          | -0.0146               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.80          | -1.388           | -0.0005               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.80          | -45.805          | -0.0179               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.80          | -23.661          | -0.0092               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.80          | -50.769          | -0.0198               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.80          | -33.288          | -0.0130               | -2.5 to 2.5 | Pass    |
|                             | 2605            | 75            | 0      | 20         | 3.23          | -36.936          | -0.0142               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | -36.807          | -0.0141               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | -28.582          | -0.0110               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.80          | -43.302          | -0.0166               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.80          | -37.322          | -0.0143               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.80          | -43.001          | -0.0165               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.80          | -44.203          | -0.0170               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.80          | -27.494          | -0.0106               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.80          | -21.286          | -0.0082               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.80          | -26.722          | -0.0103               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.80          | -51.184          | -0.0196               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       | 2647.5 | 75 | 0 | 20  | 3.23 | 9.012   | 0.0034  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.80 | -33.760 | -0.0128 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.37 | -22.988 | -0.0087 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.80 | -49.453 | -0.0187 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.80 | -29.669 | -0.0112 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.80 | -55.661 | -0.0210 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.80 | 0.300   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.80 | -13.633 | -0.0051 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.80 | -26.407 | -0.0100 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.80 | -35.391 | -0.0134 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.80 | -52.872 | -0.0200 | -2.5 to 2.5 | Pass |
| 16QAM | 2562.5 | 75 | 0 | 20  | 3.23 | -20.399 | -0.0080 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.80 | 36.535  | 0.0143  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.37 | 35.648  | 0.0139  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.80 | 12.116  | 0.0047  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.80 | 22.416  | 0.0087  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.80 | 32.716  | 0.0128  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.80 | 39.010  | 0.0152  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.80 | 34.218  | 0.0134  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.80 | 35.434  | 0.0138  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.80 | 37.723  | 0.0147  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.80 | 34.547  | 0.0135  | -2.5 to 2.5 | Pass |
|       | 2605   | 75 | 0 | 20  | 3.23 | -1.230  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.80 | 14.963  | 0.0057  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.37 | 8.454   | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.80 | 4.735   | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.80 | 13.247  | 0.0051  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.80 | 17.395  | 0.0067  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.80 | 15.965  | 0.0061  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.80 | 16.522  | 0.0063  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.80 | 16.136  | 0.0062  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.80 | 12.875  | 0.0049  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.80 | 7.710   | 0.0030  | -2.5 to 2.5 | Pass |
|       | 2647.5 | 75 | 0 | 20  | 3.23 | 22.831  | 0.0086  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.80 | 32.229  | 0.0122  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.37 | 3.805   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.80 | 30.613  | 0.0116  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.80 | 40.069  | 0.0151  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.80 | 17.896  | 0.0068  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.80 | 22.702  | 0.0086  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.80 | 37.150  | 0.0140  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.80 | 42.286  | 0.0160  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.80 | -13.762 | -0.0052 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.80 | -11.888 | -0.0045 | -2.5 to 2.5 | Pass |

#### 2.1.4 B41\_20MHz

| Band: 41 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 2565            | 100           | 0      | 20         | 3.23          | -44.475          | -0.0173               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | -39.768          | -0.0155               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | -16.966          | -0.0066               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.80          | -16.265          | -0.0063               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.80          | -30.313          | -0.0118               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.80          | -45.462          | -0.0177               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.80          | -27.752          | -0.0108               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.80          | -51.999          | -0.0203               | -2.5 to 2.5 | Pass    |



|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
|       |      |     |   | 30  | 3.80 | -7.925  | -0.0031 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.80 | -25.163 | -0.0098 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.80 | -39.368 | -0.0153 | -2.5 to 2.5 | Pass |
|       | 2605 | 100 | 0 | 20  | 3.23 | -38.867 | -0.0149 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.80 | -31.700 | -0.0122 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.37 | -45.719 | -0.0176 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.80 | -16.809 | -0.0065 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.80 | -2.003  | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.80 | -41.313 | -0.0159 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.80 | -44.031 | -0.0169 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.80 | -16.537 | -0.0063 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.80 | -51.613 | -0.0198 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.80 | -24.490 | -0.0094 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.80 | -49.081 | -0.0188 | -2.5 to 2.5 | Pass |
|       | 2645 | 100 | 0 | 20  | 3.23 | 13.161  | 0.0050  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.80 | -41.885 | -0.0158 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.37 | -46.706 | -0.0177 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.80 | -10.672 | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.80 | -36.178 | -0.0137 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.80 | -45.762 | -0.0173 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.80 | -25.878 | -0.0098 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.80 | -40.612 | -0.0154 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.80 | -50.397 | -0.0191 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.80 | -48.194 | -0.0182 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.80 | 4.449   | 0.0017  | -2.5 to 2.5 | Pass |
| 16QAM | 2565 | 100 | 0 | 20  | 3.23 | 1.502   | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.80 | 8.826   | 0.0034  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.37 | 41.413  | 0.0161  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.80 | 12.975  | 0.0051  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.80 | 17.309  | 0.0067  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.80 | 20.800  | 0.0081  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.80 | 26.436  | 0.0103  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.80 | 33.660  | 0.0131  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.80 | 37.966  | 0.0148  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.80 | 40.383  | 0.0157  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.80 | 31.343  | 0.0122  | -2.5 to 2.5 | Pass |
|       | 2605 | 100 | 0 | 20  | 3.23 | 22.845  | 0.0088  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.80 | 22.459  | 0.0086  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.37 | -5.636  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.80 | 7.324   | 0.0028  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.80 | 19.312  | 0.0074  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.80 | 22.759  | 0.0087  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.80 | 28.667  | 0.0110  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.80 | 29.211  | 0.0112  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.80 | 29.554  | 0.0113  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.80 | 23.232  | 0.0089  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.80 | 17.309  | 0.0066  | -2.5 to 2.5 | Pass |
|       | 2645 | 100 | 0 | 20  | 3.23 | 19.999  | 0.0076  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.80 | 39.725  | 0.0150  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.37 | 16.479  | 0.0062  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.80 | 18.954  | 0.0072  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.80 | 26.422  | 0.0100  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.80 | 40.512  | 0.0153  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.80 | 16.737  | 0.0063  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.80 | 24.719  | 0.0093  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.80 | 36.106  | 0.0137  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.80 | 47.550  | 0.0180  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.80 | -14.634 | -0.0055 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2605            | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2605            | 25            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B41\_10MHz

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 2605            | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 2605            | 50            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.3 B41\_15MHz

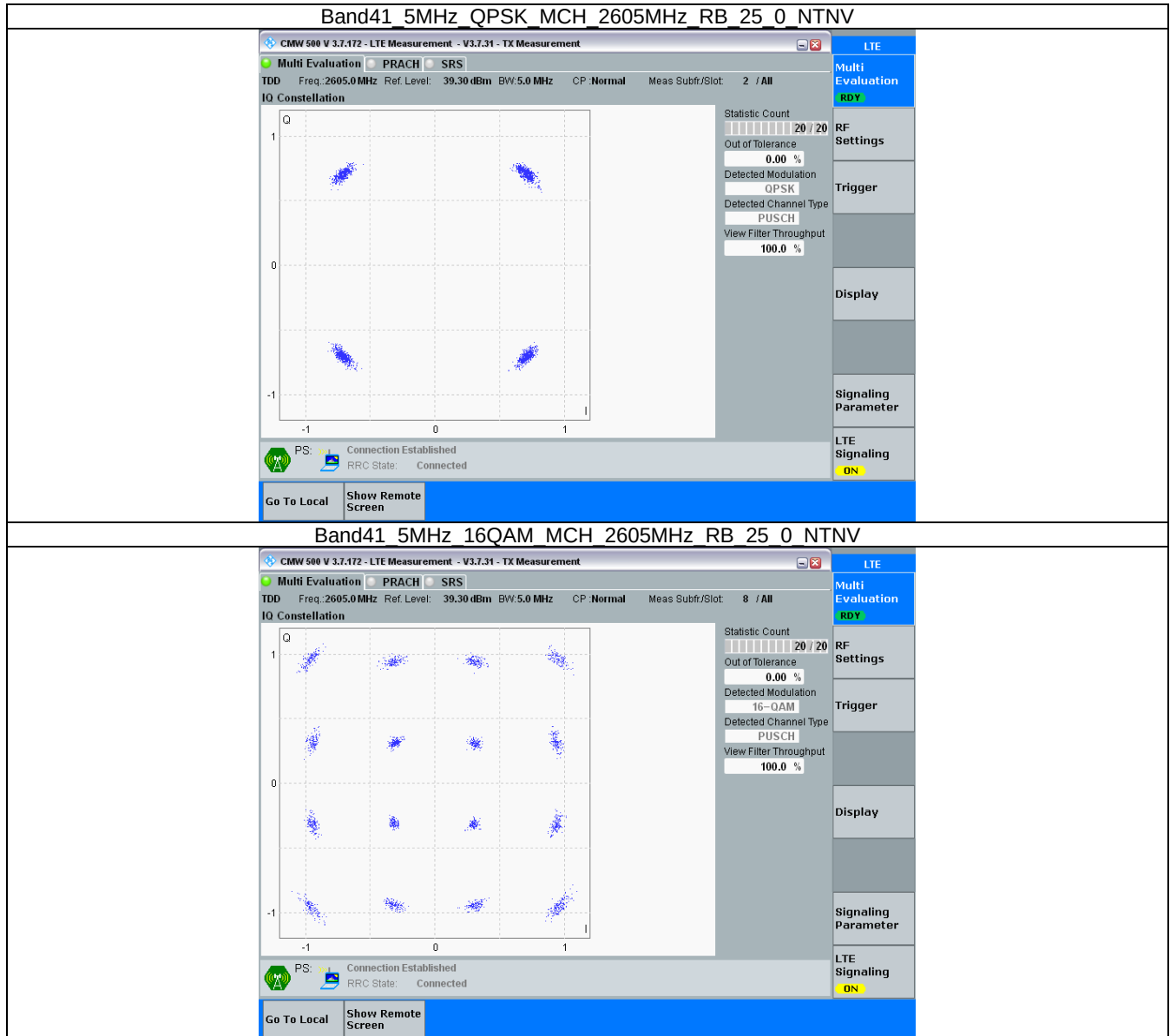
| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 2605            | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 2605            | 75            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.4 B41\_20MHz

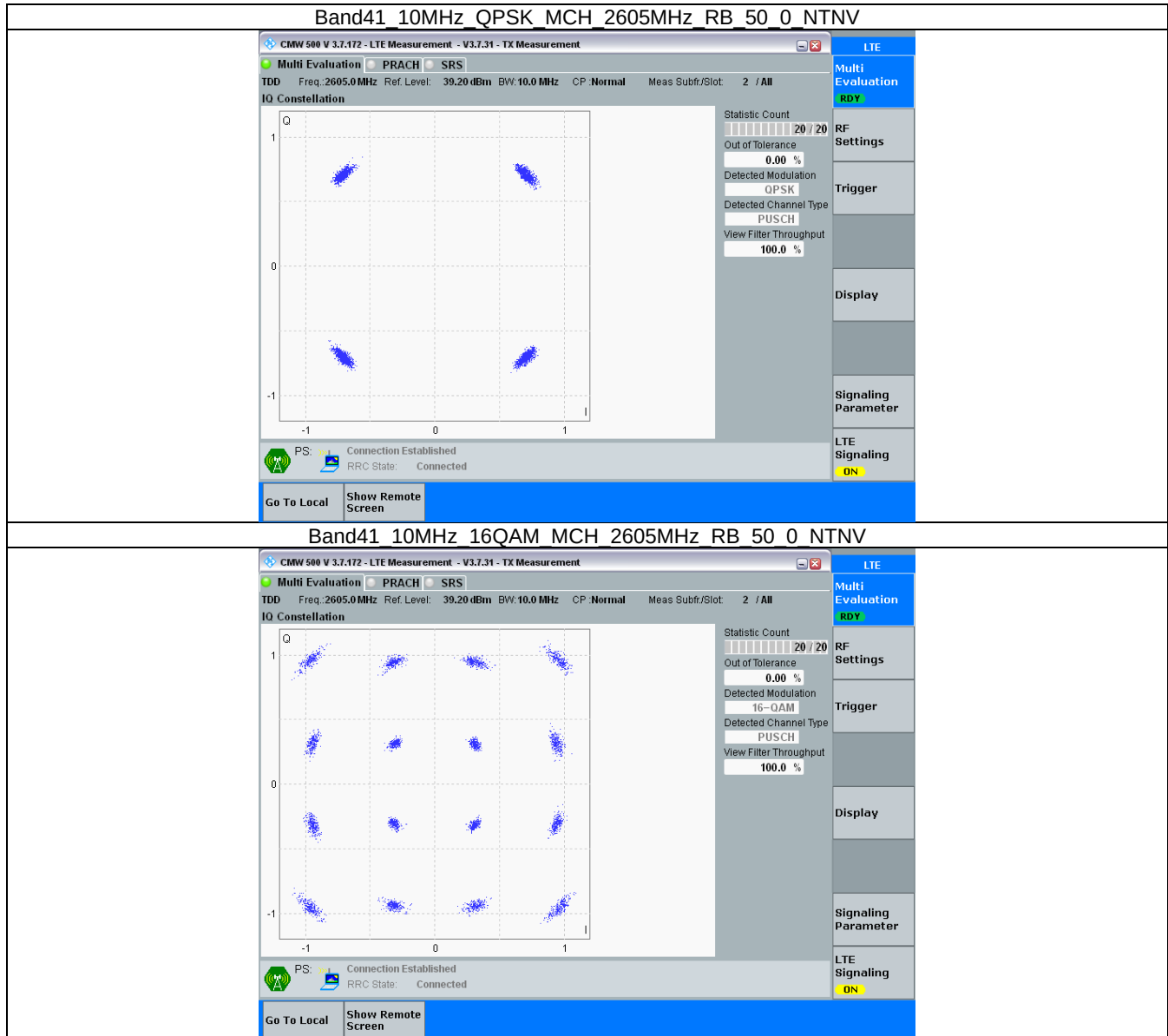
| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 2605            | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 2605            | 100           | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

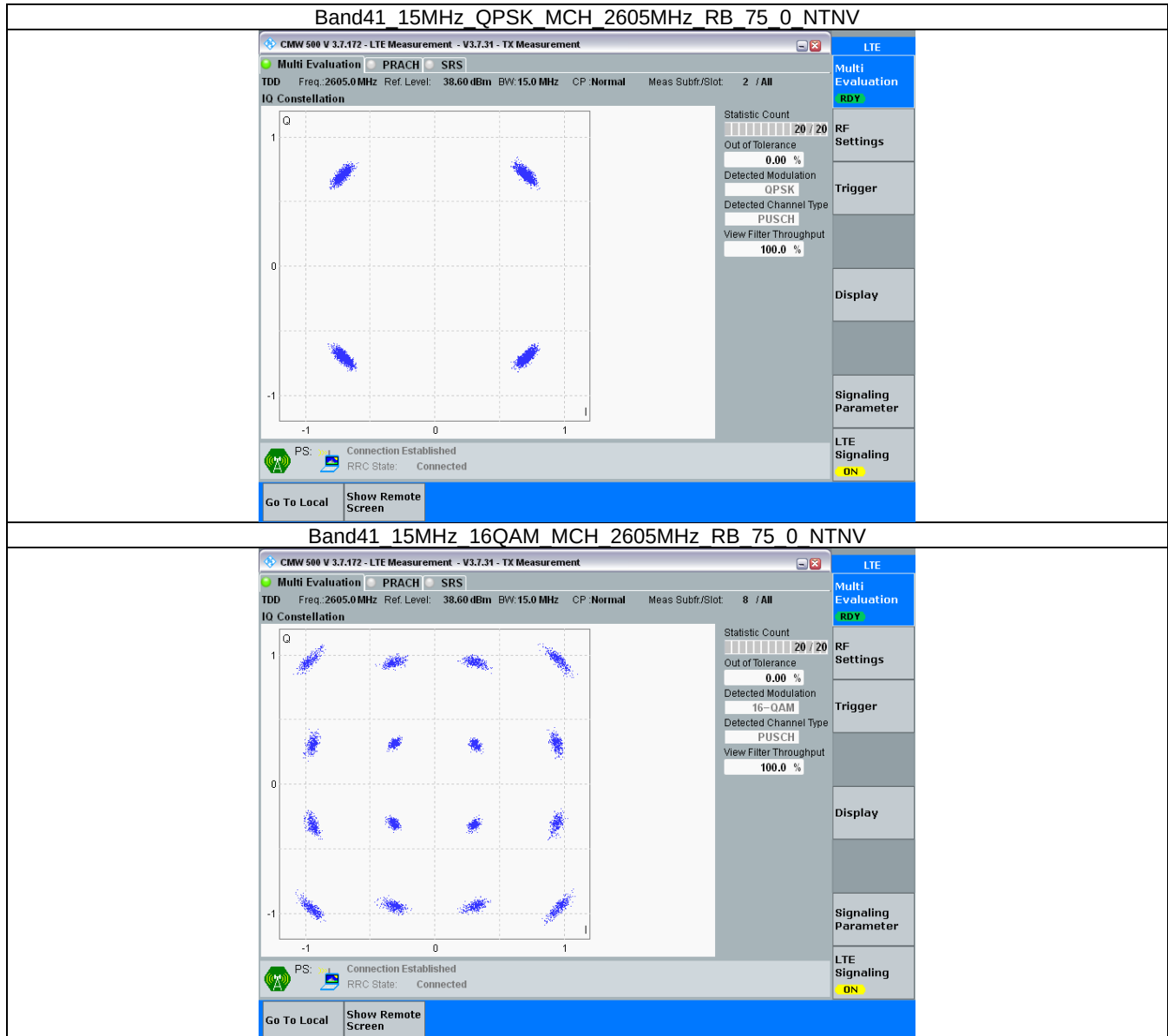
### 3.2.1 B41\_5MHz



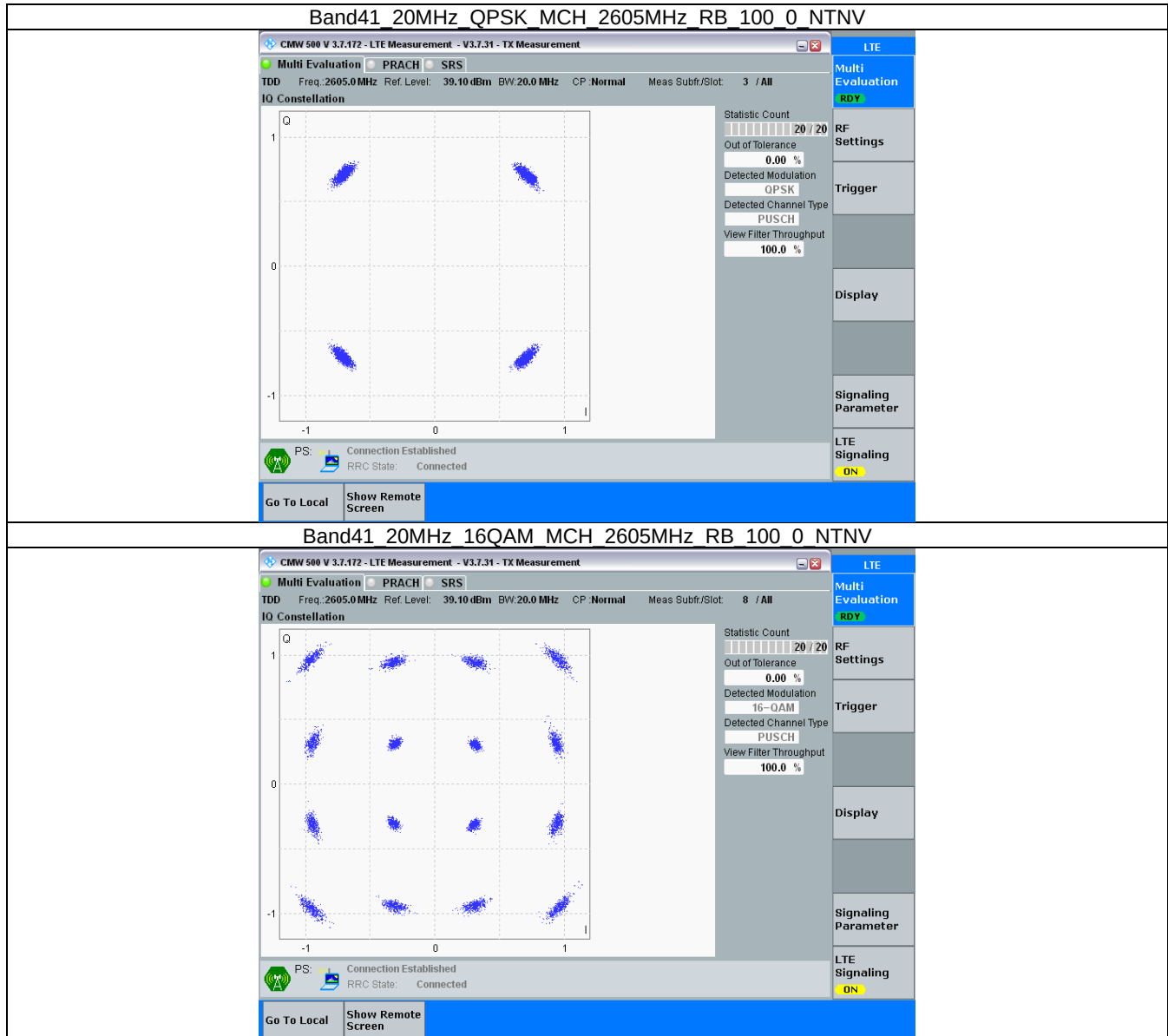
### 3.2.2 B41\_10MHz



### 3.2.3 B41\_15MHz



### 3.2.4 B41\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band41\_OBW

| Band: 41 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2557.5          | 25            | 0      | 4.551                        | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.544                        | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.552                        | /     | Pass    |
|                 | 16QAM      | 2557.5          | 25            | 0      | 4.562                        | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.570                        | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.553                        | /     | Pass    |
| 10              | QPSK       | 2560            | 50            | 0      | 9.072                        | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 9.097                        | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.069                        | /     | Pass    |
|                 | 16QAM      | 2560            | 50            | 0      | 9.067                        | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 9.081                        | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.069                        | /     | Pass    |
| 15              | QPSK       | 2562.5          | 75            | 0      | 13.638                       | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 13.573                       | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.595                       | /     | Pass    |
|                 | 16QAM      | 2562.5          | 75            | 0      | 13.622                       | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 13.668                       | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.597                       | /     | Pass    |
| 20              | QPSK       | 2565            | 100           | 0      | 18.137                       | /     | Pass    |
|                 |            | 2605            | 100           | 0      | 18.157                       | /     | Pass    |
|                 |            | 2645            | 100           | 0      | 18.110                       | /     | Pass    |
|                 | 16QAM      | 2565            | 100           | 0      | 18.028                       | /     | Pass    |
|                 |            | 2605            | 100           | 0      | 18.182                       | /     | Pass    |
|                 |            | 2645            | 100           | 0      | 18.178                       | /     | Pass    |

#### 4.1.2 Band41\_XDB

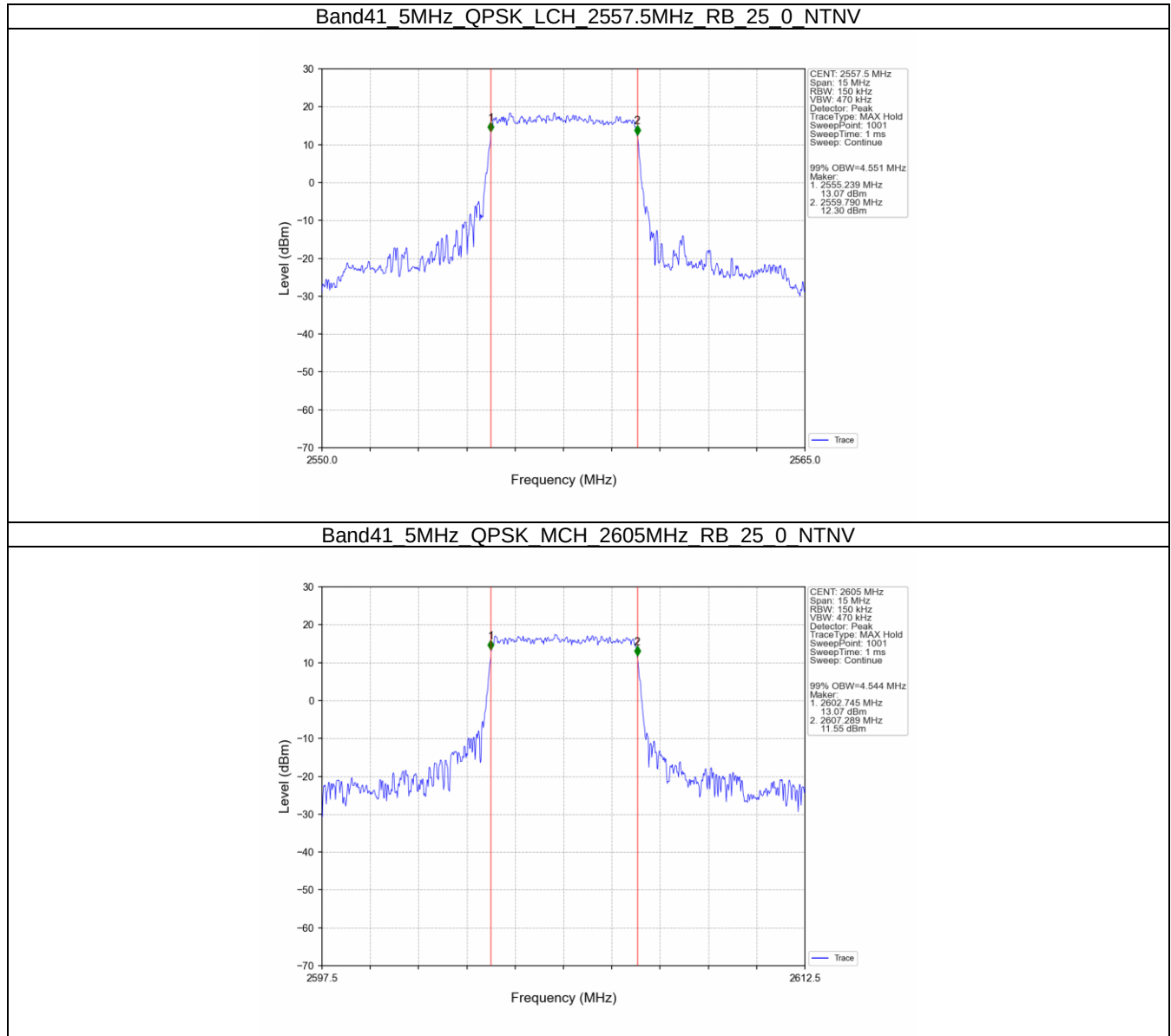
| Band: 41 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2557.5          | 25            | 0      | 5.366                | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 5.185                | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 5.041                | /     | Pass    |
|                 | 16QAM      | 2557.5          | 25            | 0      | 5.236                | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 5.436                | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 5.443                | /     | Pass    |
| 10              | QPSK       | 2560            | 50            | 0      | 10.348               | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 10.381               | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 10.165               | /     | Pass    |
|                 | 16QAM      | 2560            | 50            | 0      | 10.112               | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 10.318               | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.982                | /     | Pass    |
| 15              | QPSK       | 2562.5          | 75            | 0      | 16.149               | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 15.269               | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 15.577               | /     | Pass    |

|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
| 20 | 16QAM | 2562.5 | 75  | 0 | 15.908 | / | Pass |
|    |       | 2605   | 75  | 0 | 17.756 | / | Pass |
|    |       | 2647.5 | 75  | 0 | 15.211 | / | Pass |
|    | QPSK  | 2565   | 100 | 0 | 19.857 | / | Pass |
|    |       | 2605   | 100 | 0 | 20.730 | / | Pass |
|    |       | 2645   | 100 | 0 | 21.524 | / | Pass |
|    | 16QAM | 2565   | 100 | 0 | 19.314 | / | Pass |
|    |       | 2605   | 100 | 0 | 19.993 | / | Pass |
|    |       | 2645   | 100 | 0 | 20.116 | / | Pass |

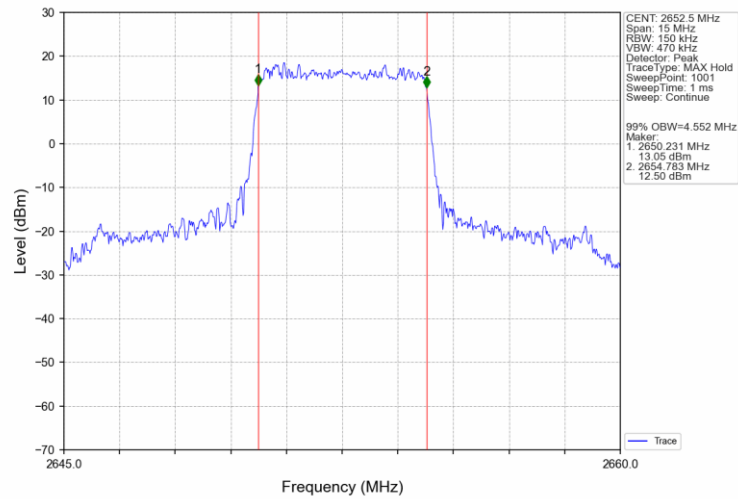


## 4.2 Test Graph

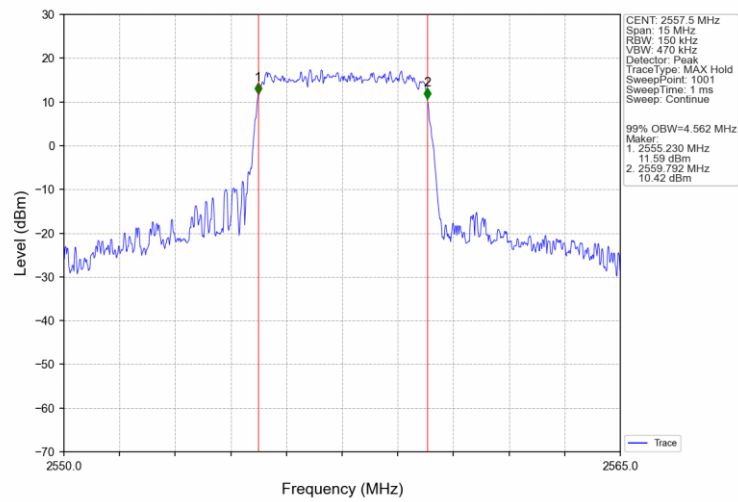
### 4.2.1 Band41\_OBW



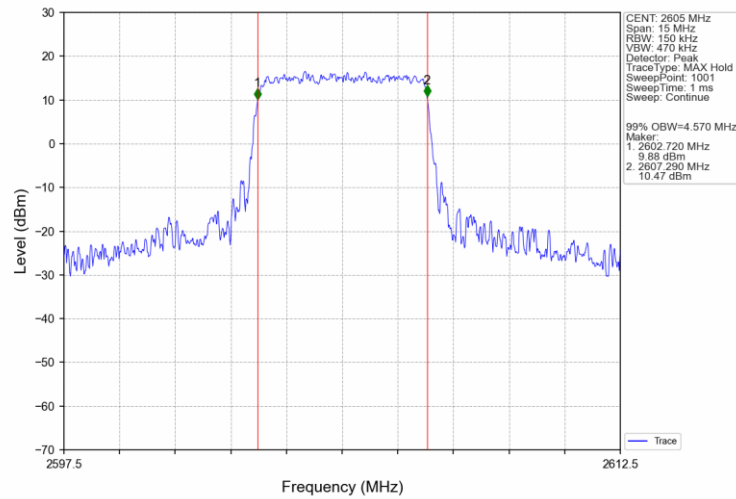
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



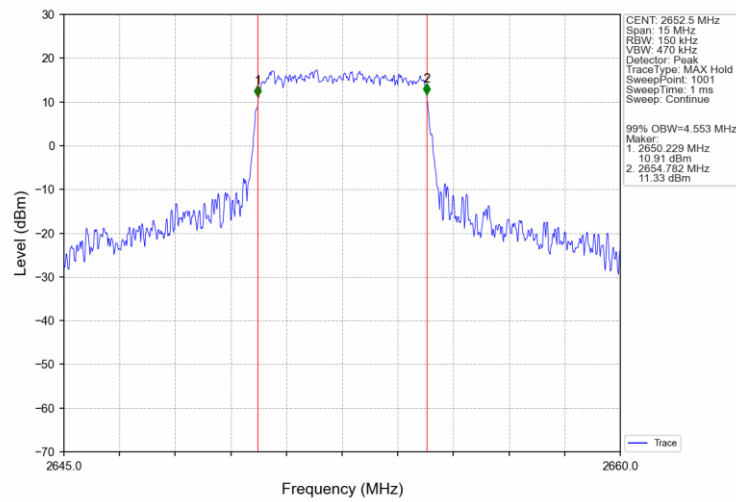
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



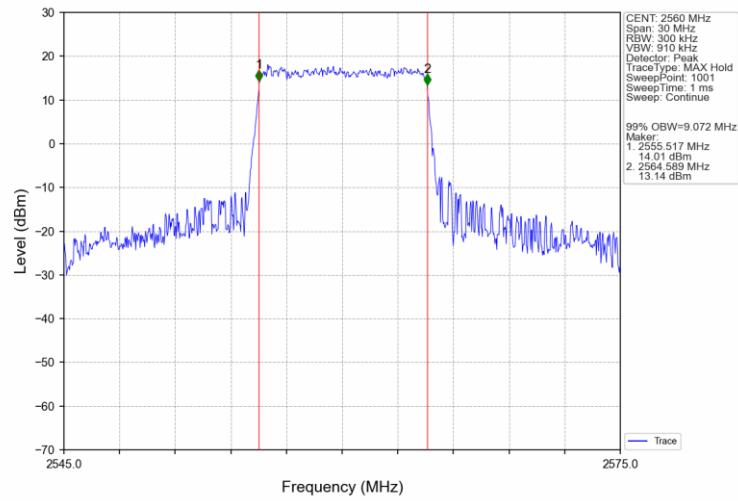
Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



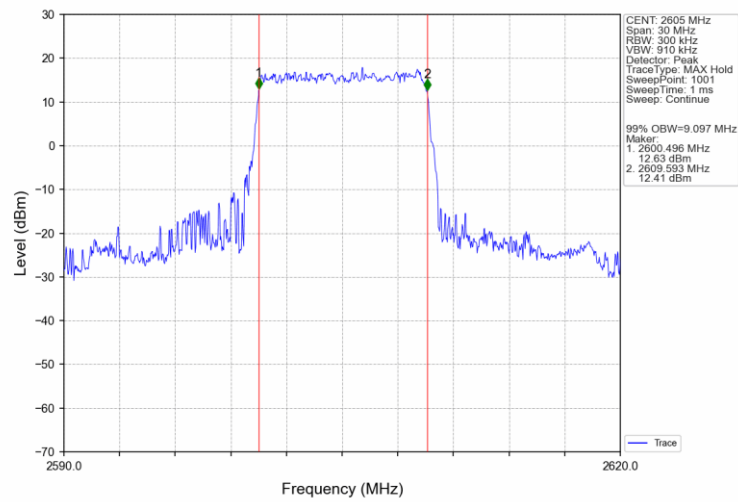
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



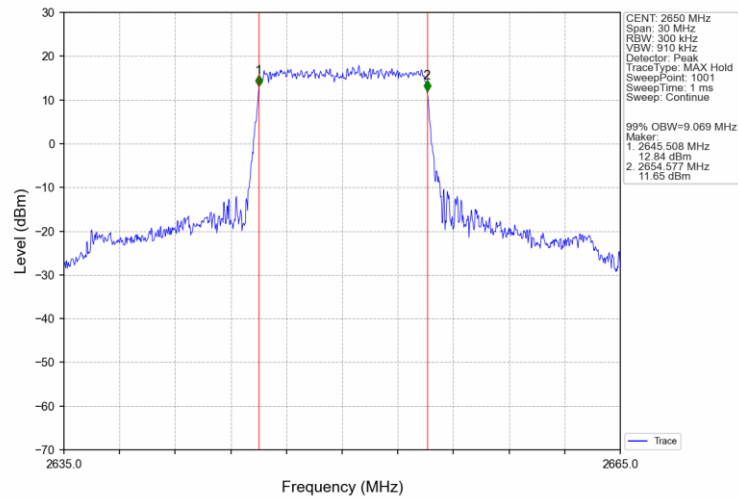
Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



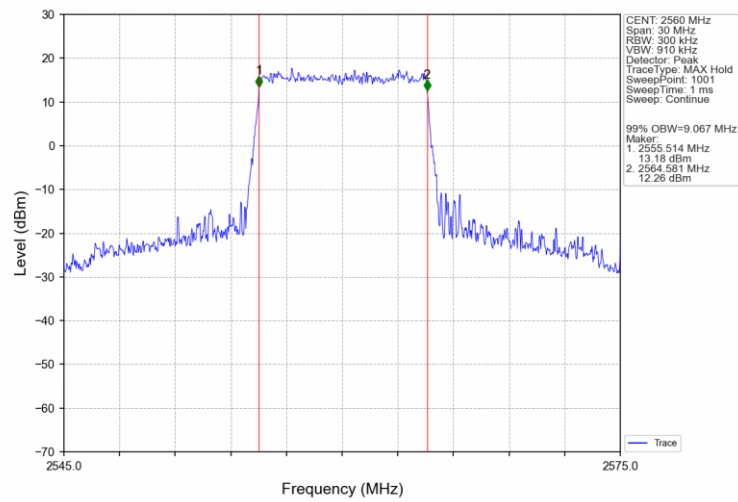
Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



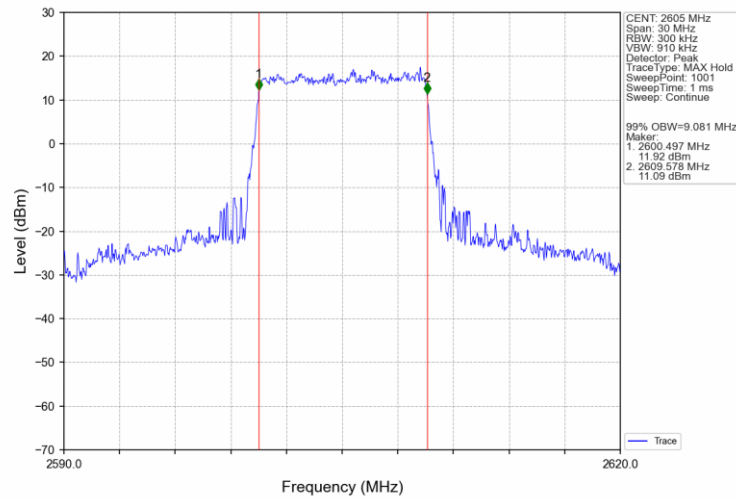
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



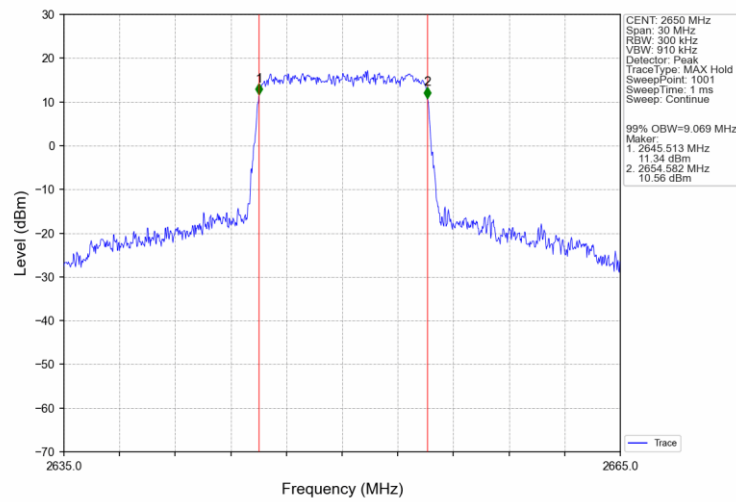
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



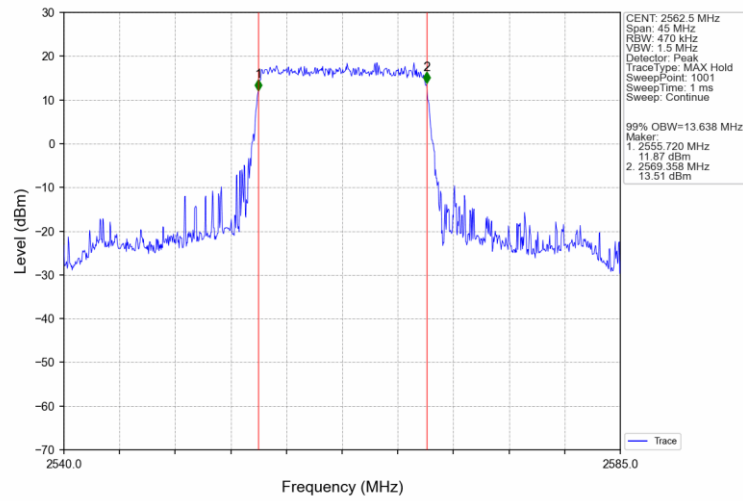
Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



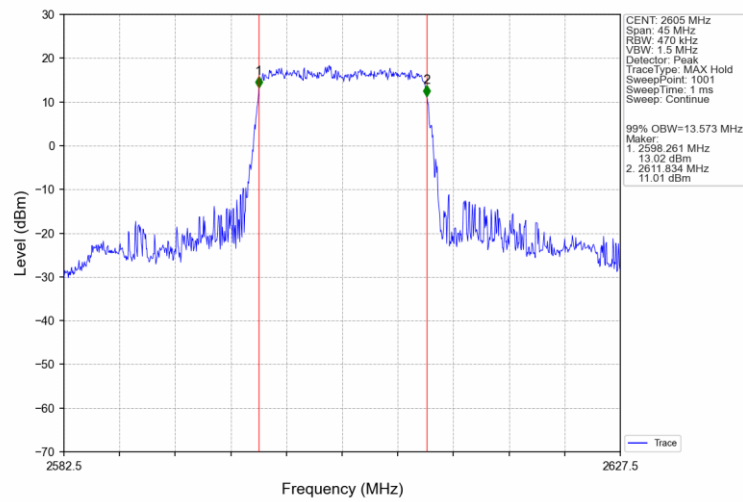
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



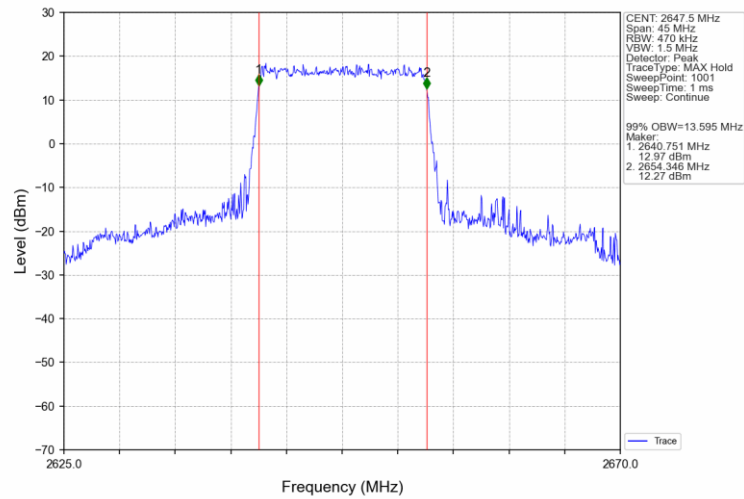
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



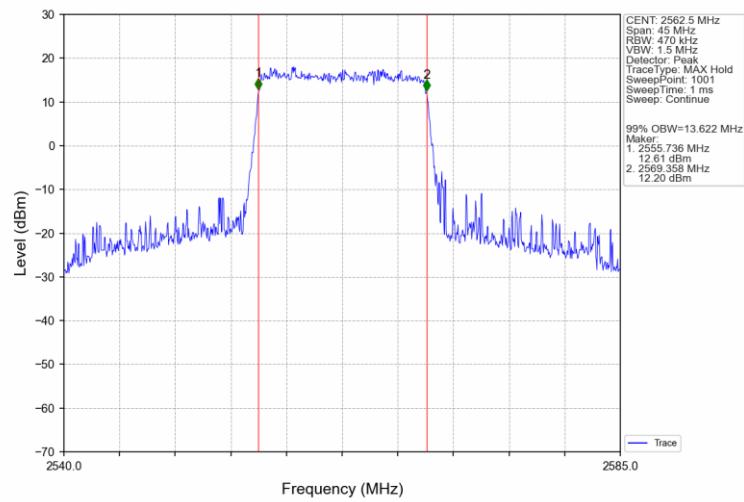
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV

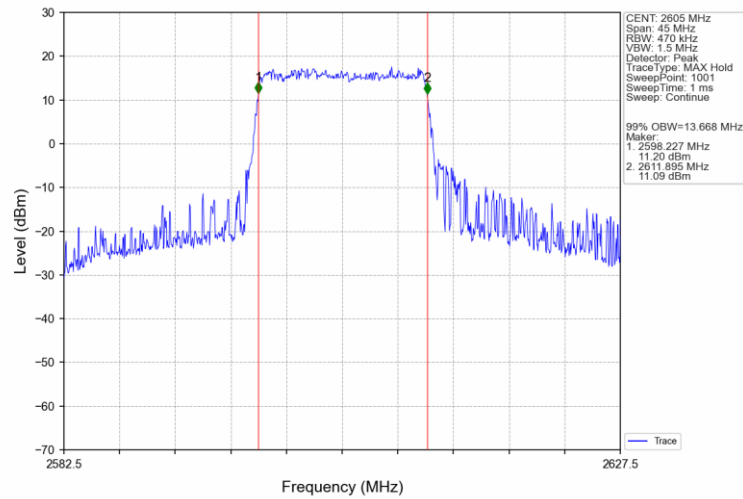


Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV

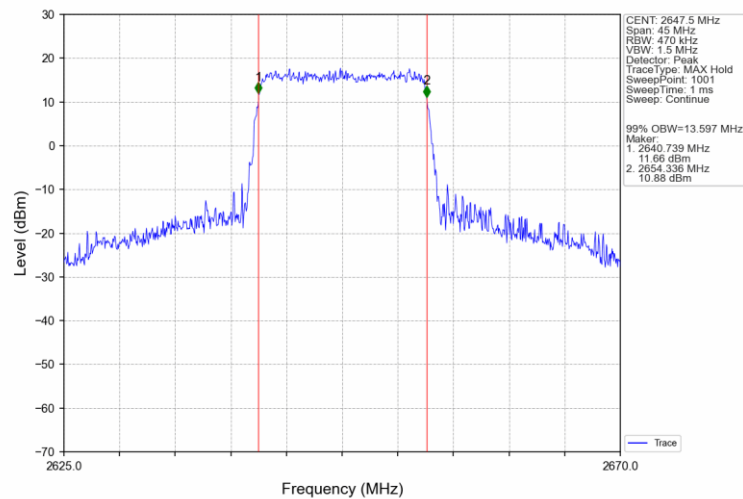




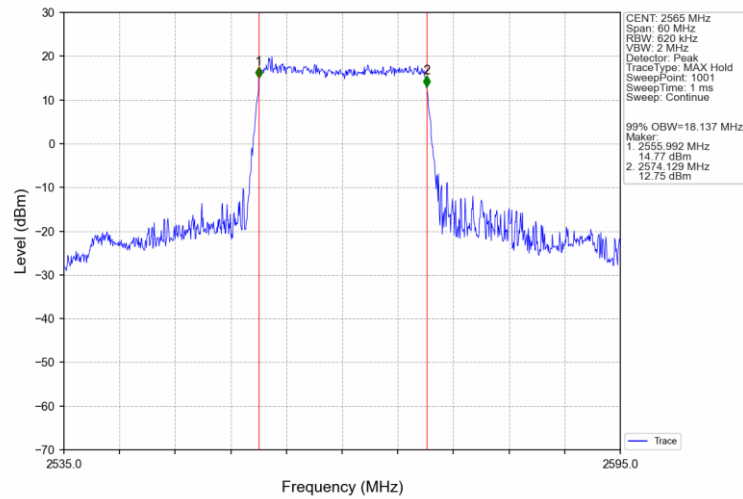
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



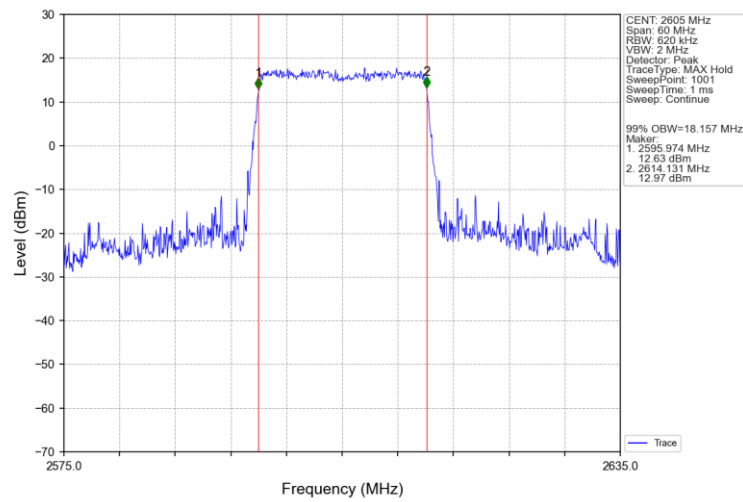
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



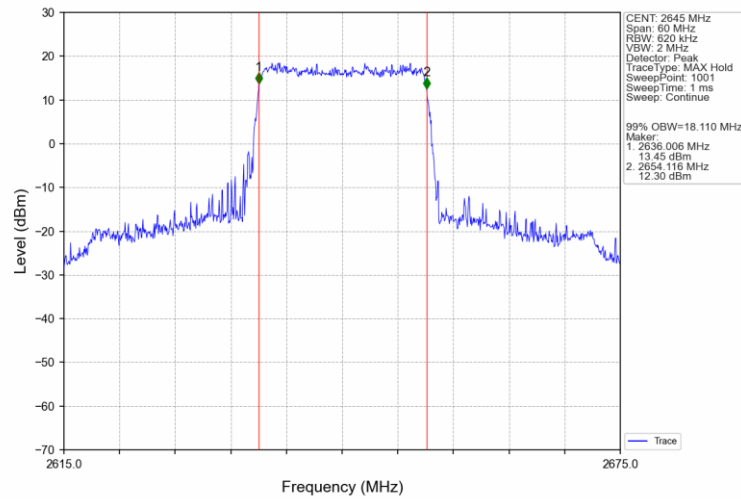
Band41\_20MHz\_QPSK\_LCH\_2565MHz\_RB\_100\_0\_NTNV



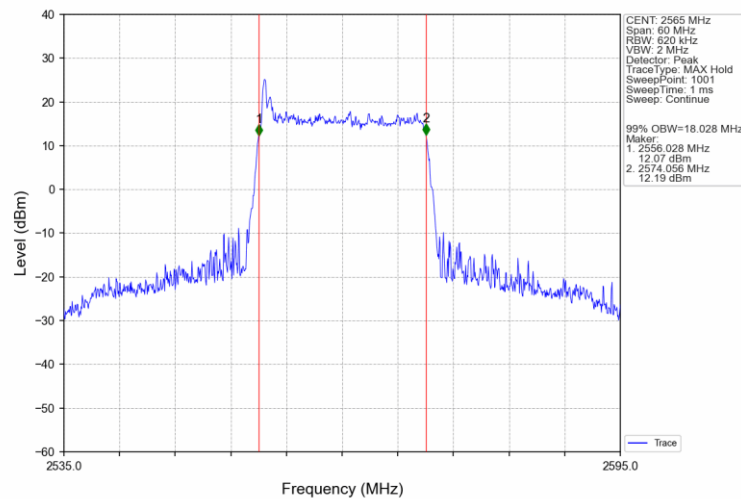
Band41\_20MHz\_QPSK\_MCH\_2605MHz\_RB\_100\_0\_NTNV



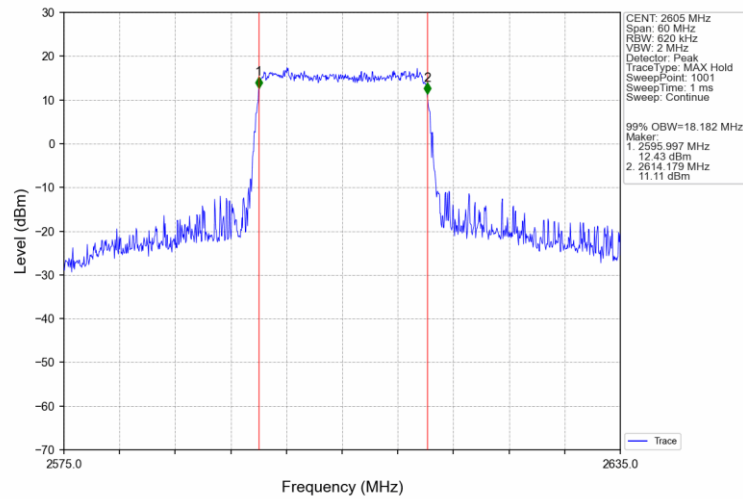
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



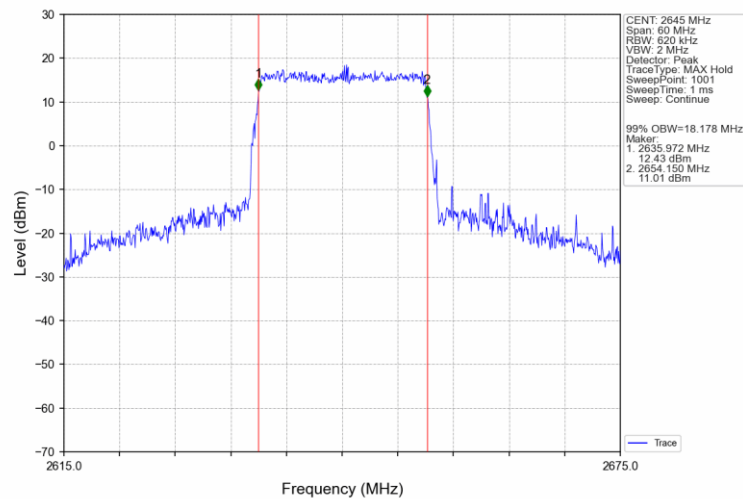
Band41\_20MHz\_16QAM\_LCH\_2565MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV

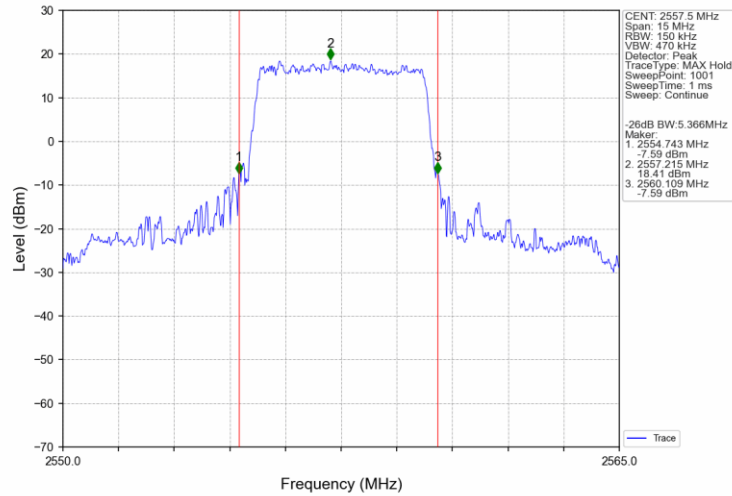


Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV

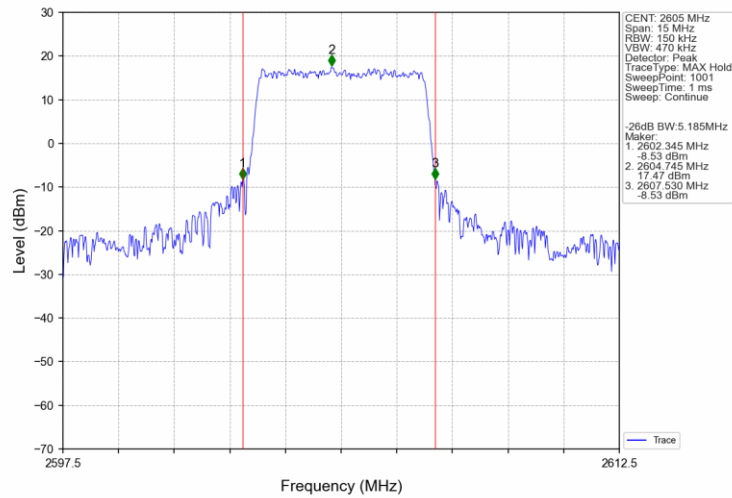


## 4.2.2 Band41\_XDB

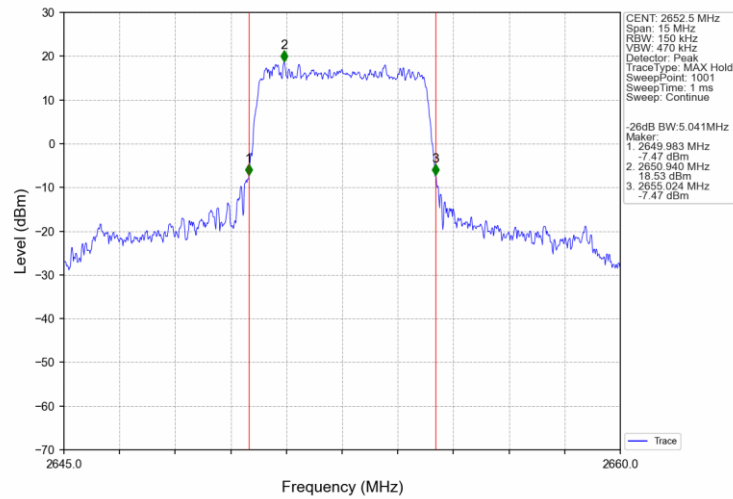
Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



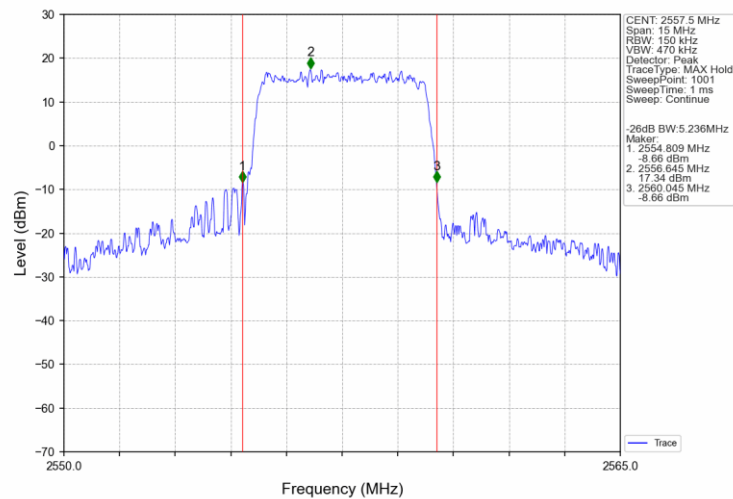
Band41\_5MHz\_QPSK\_MCH\_2605MHz\_RB\_25\_0\_NTNV



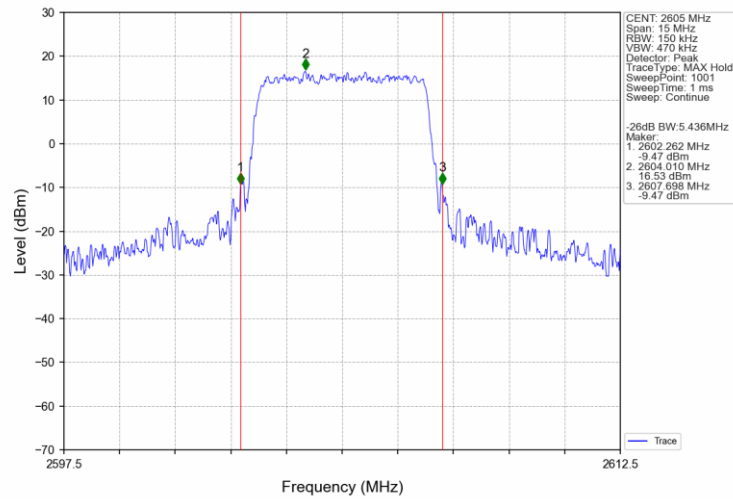
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



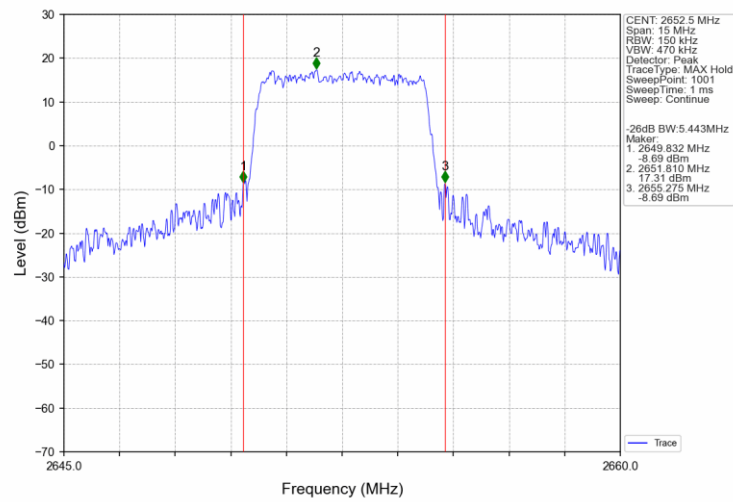
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



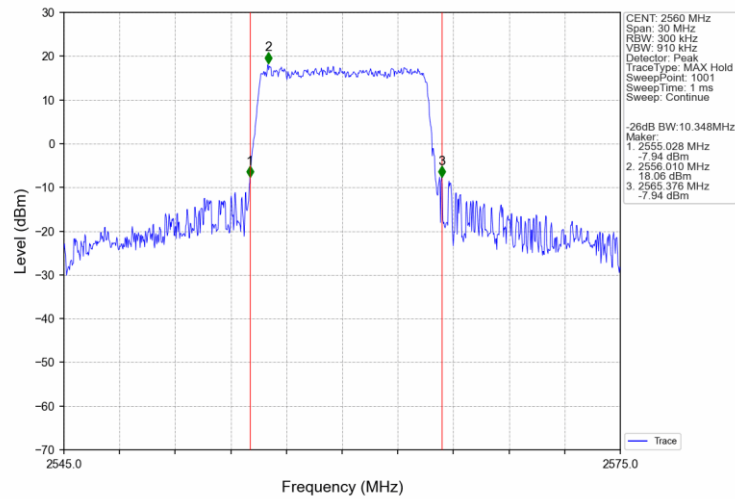
Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



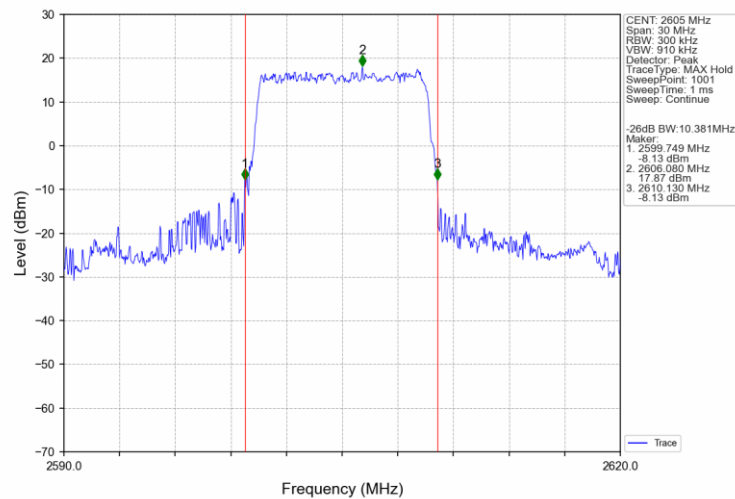
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV

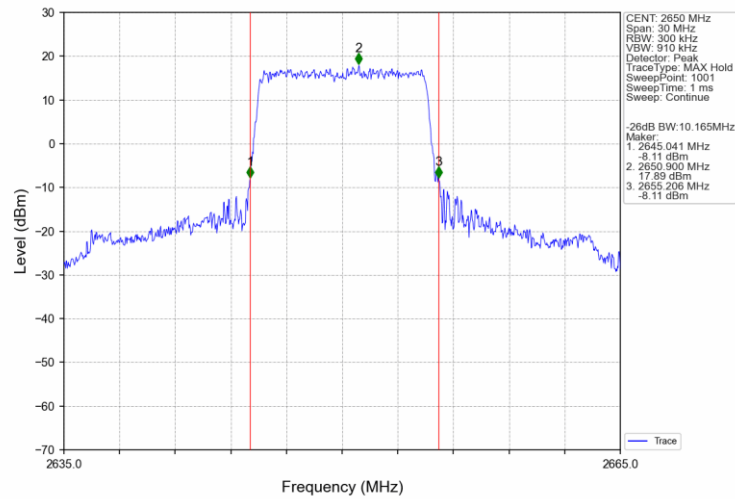


Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV

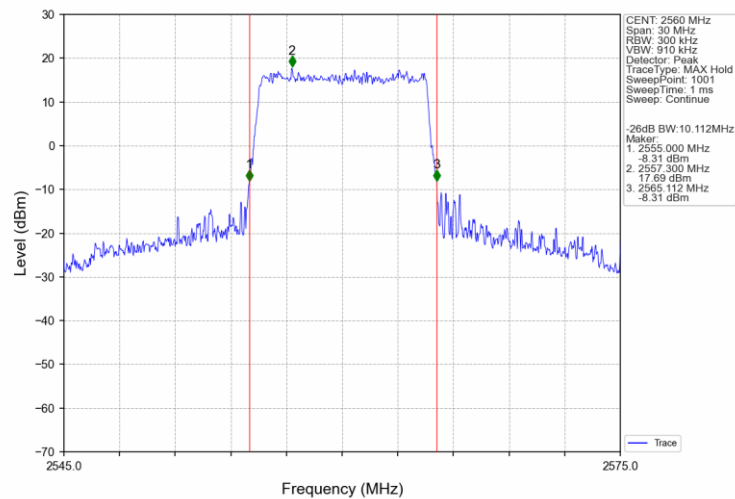




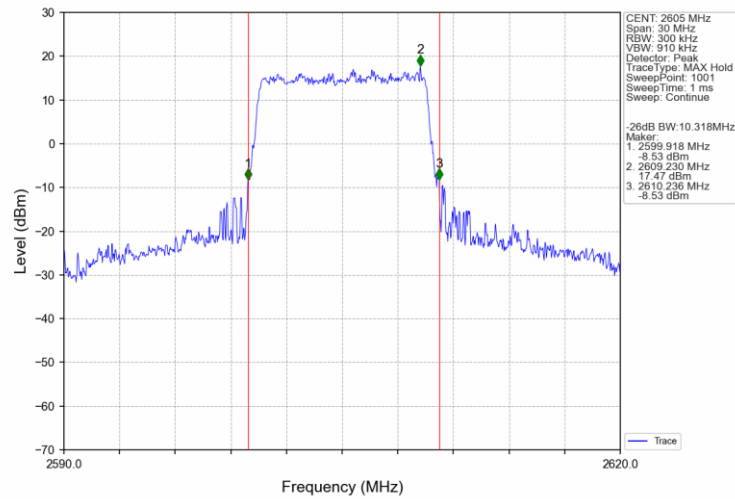
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



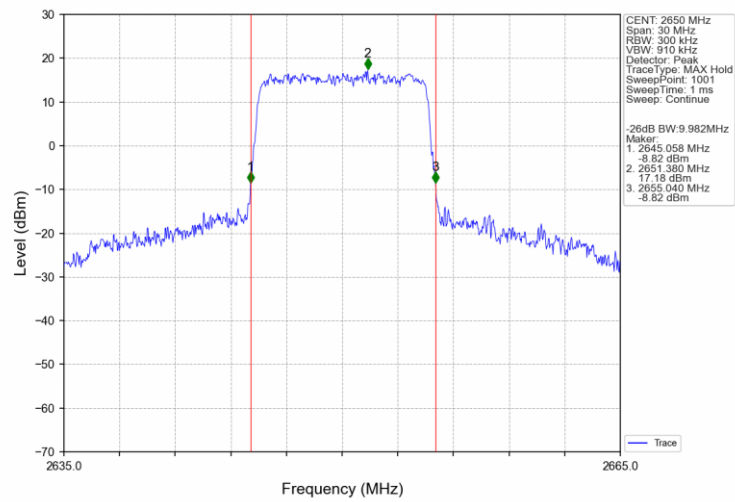
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



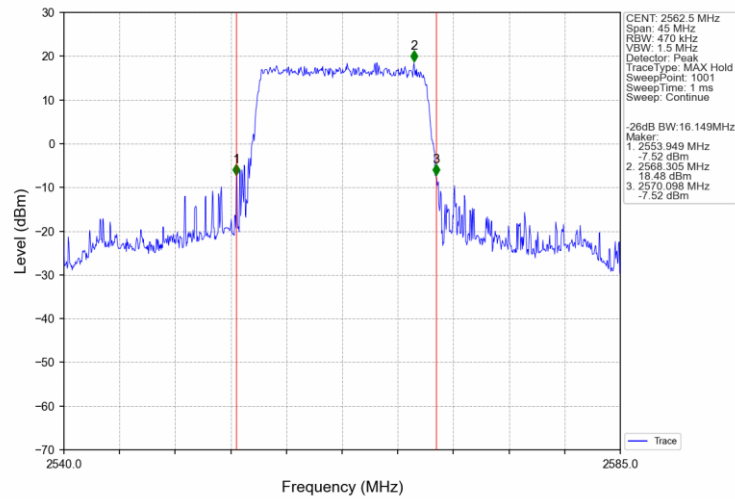
Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



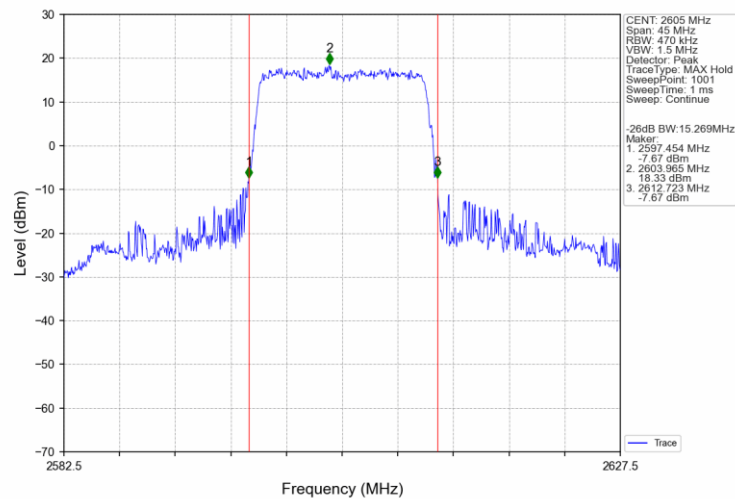
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



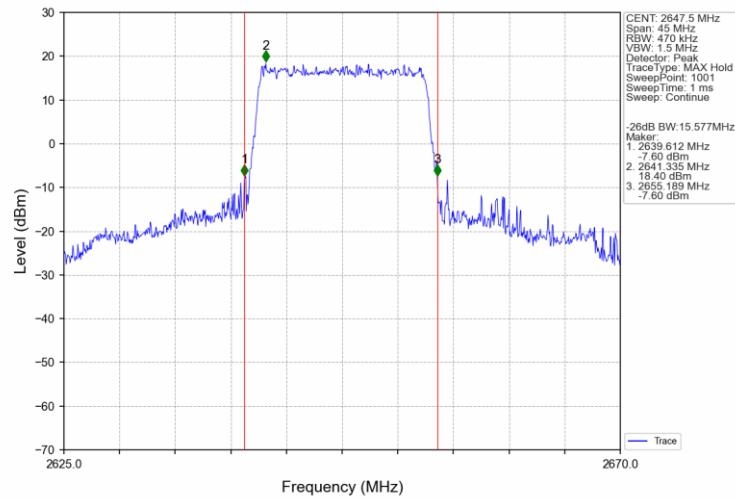
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



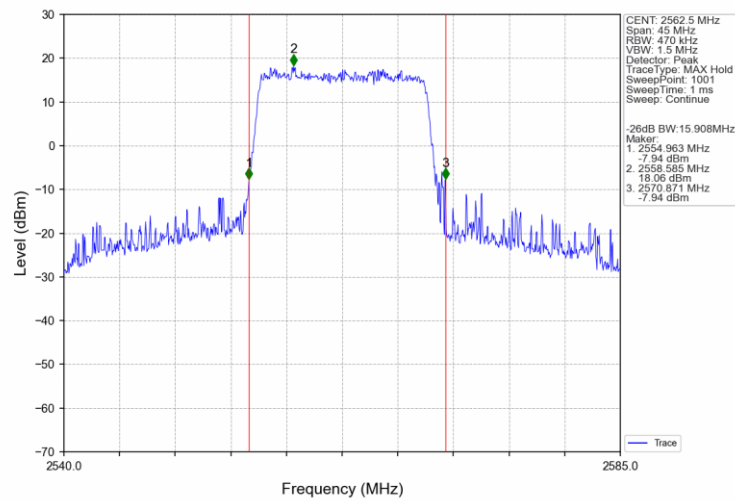
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



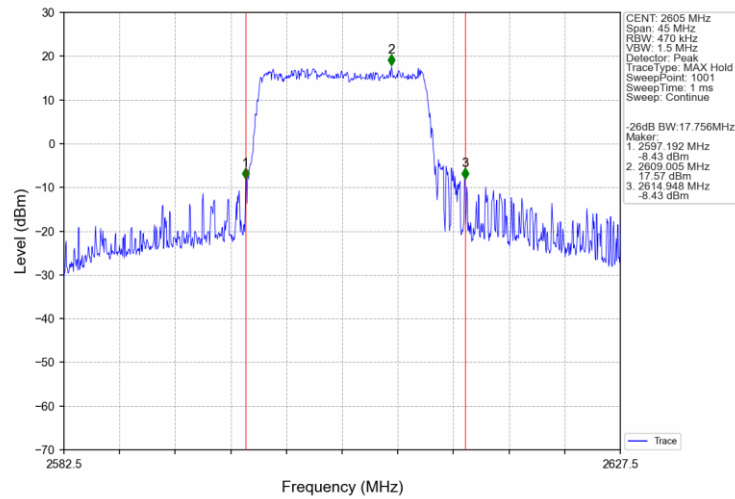
Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



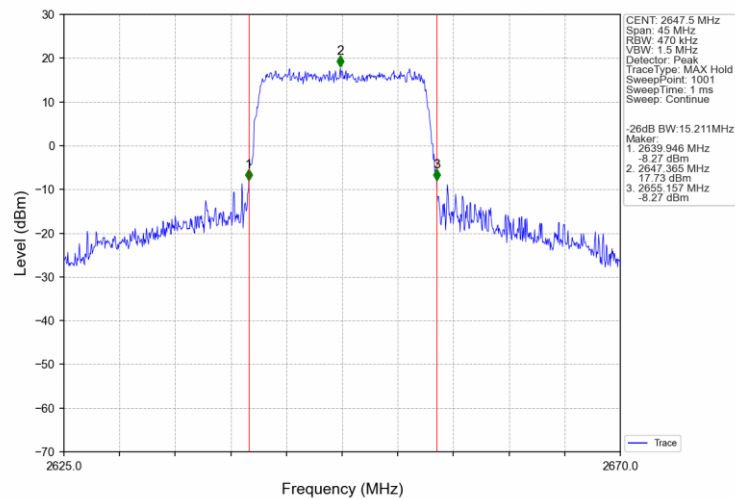
Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



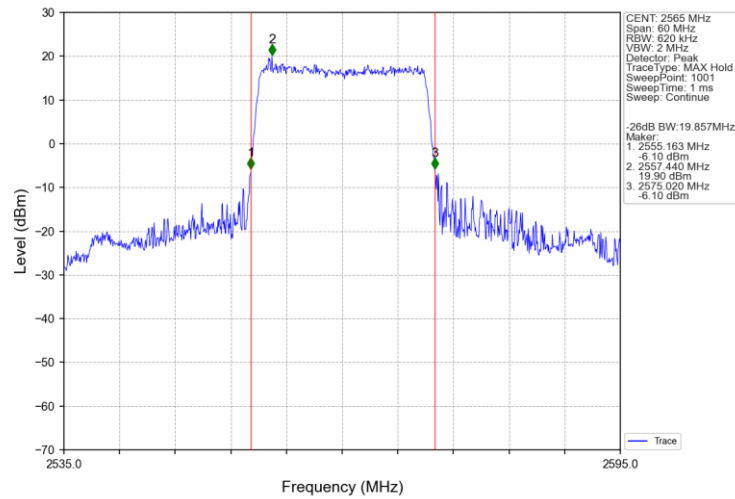
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



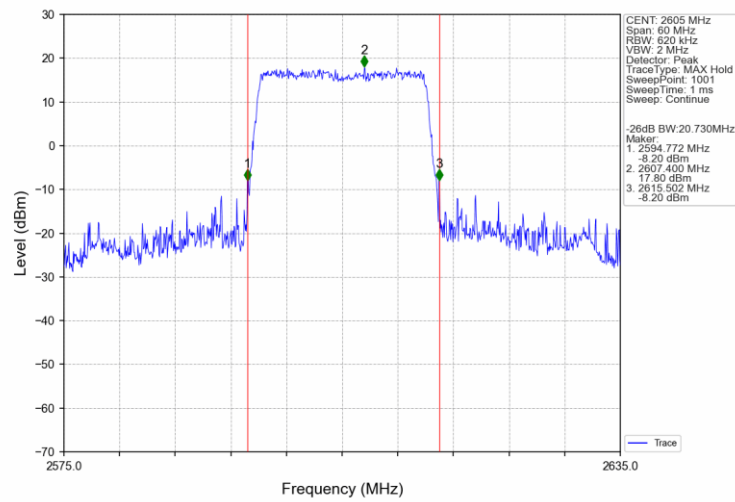
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



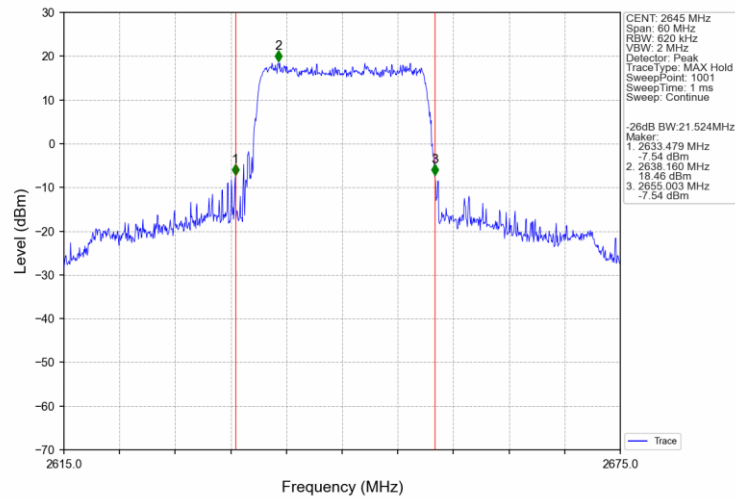
Band41\_20MHz\_QPSK\_LCH\_2565MHz\_RB\_100\_0\_NTNV



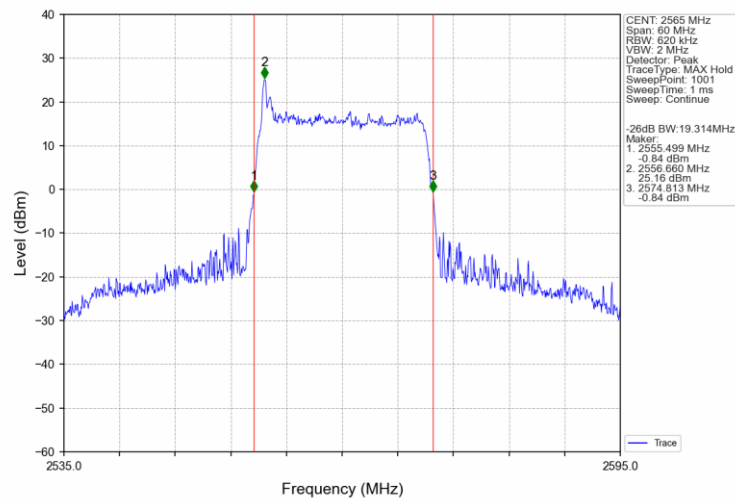
Band41\_20MHz\_QPSK\_MCH\_2605MHz\_RB\_100\_0\_NTNV



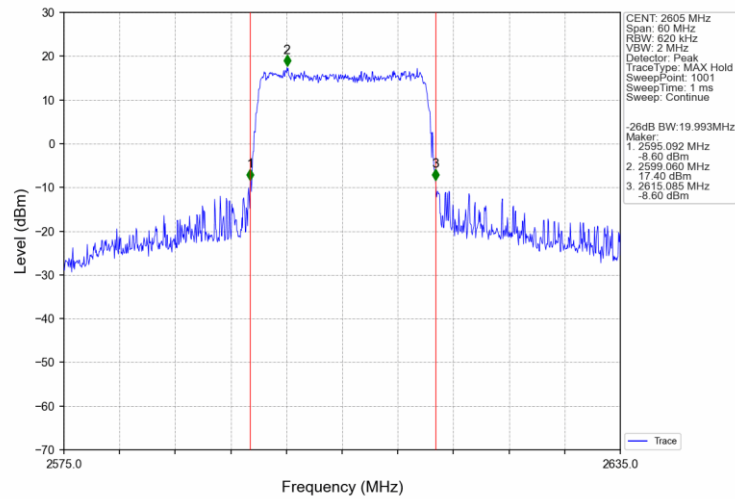
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



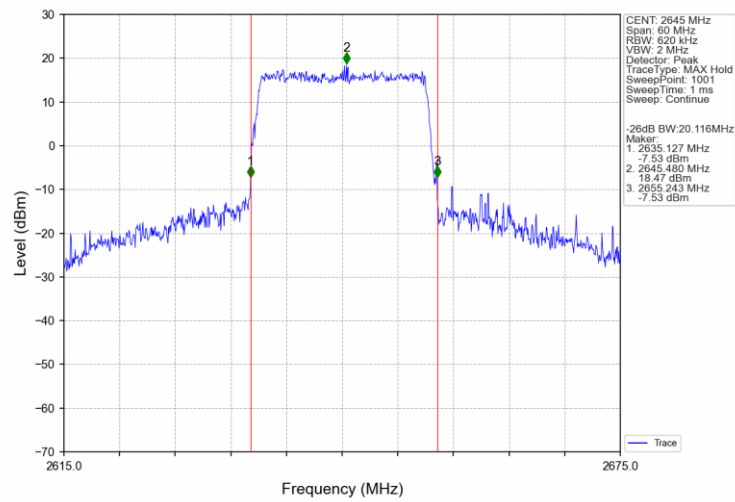
Band41\_20MHz\_16QAM\_LCH\_2565MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV





## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2557.5          | 25            | 0      | 7.53                    | <=13  | Pass    |
|                                   | 2605            | 25            | 0      | 7.66                    | <=13  | Pass    |
|                                   | 2652.5          | 25            | 0      | 7.17                    | <=13  | Pass    |
| 16QAM                             | 2557.5          | 25            | 0      | 8.09                    | <=13  | Pass    |
|                                   | 2605            | 25            | 0      | 8.24                    | <=13  | Pass    |
|                                   | 2652.5          | 25            | 0      | 7.97                    | <=13  | Pass    |

#### 5.1.2 B41\_10MHz

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2560            | 50            | 0      | 7.79                    | <=13  | Pass    |
|                                    | 2605            | 50            | 0      | 7.64                    | <=13  | Pass    |
|                                    | 2650            | 50            | 0      | 7.08                    | <=13  | Pass    |
| 16QAM                              | 2560            | 50            | 0      | 8.44                    | <=13  | Pass    |
|                                    | 2605            | 50            | 0      | 8.48                    | <=13  | Pass    |
|                                    | 2650            | 50            | 0      | 7.91                    | <=13  | Pass    |

#### 5.1.3 B41\_15MHz

| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2562.5          | 75            | 0      | 7.47                    | <=13  | Pass    |
|                                    | 2605            | 75            | 0      | 7.31                    | <=13  | Pass    |
|                                    | 2647.5          | 75            | 0      | 7.24                    | <=13  | Pass    |
| 16QAM                              | 2562.5          | 75            | 0      | 8.17                    | <=13  | Pass    |
|                                    | 2605            | 75            | 0      | 8.22                    | <=13  | Pass    |
|                                    | 2647.5          | 75            | 0      | 8.12                    | <=13  | Pass    |

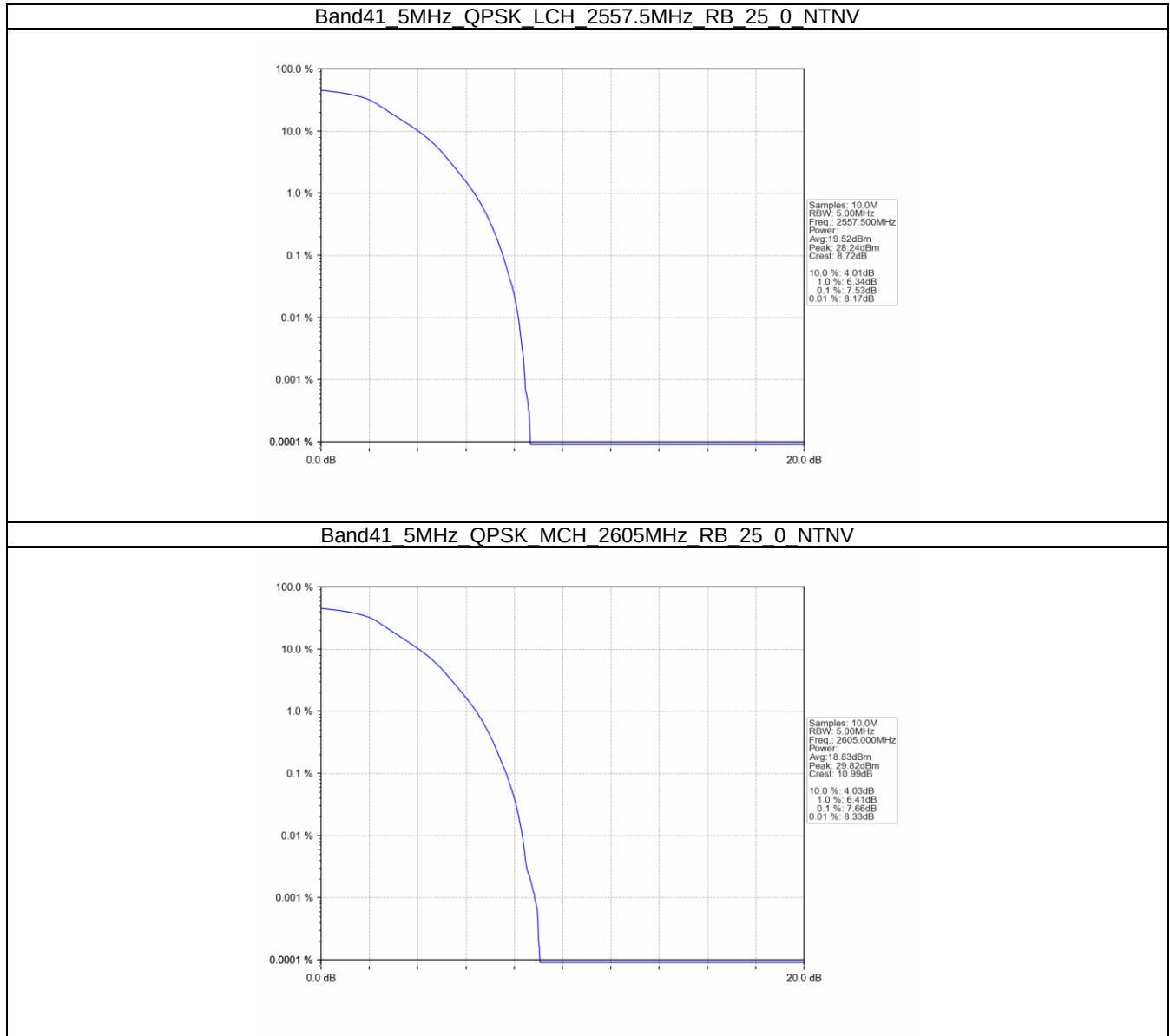
#### 5.1.4 B41\_20MHz

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2565            | 100           | 0      | 7.70                    | <=13  | Pass    |
|                                    | 2605            | 100           | 0      | 7.73                    | <=13  | Pass    |
|                                    | 2645            | 100           | 0      | 7.79                    | <=13  | Pass    |
| 16QAM                              | 2565            | 100           | 0      | 8.79                    | <=13  | Pass    |
|                                    | 2605            | 100           | 0      | 8.69                    | <=13  | Pass    |
|                                    | 2645            | 100           | 0      | 8.80                    | <=13  | Pass    |

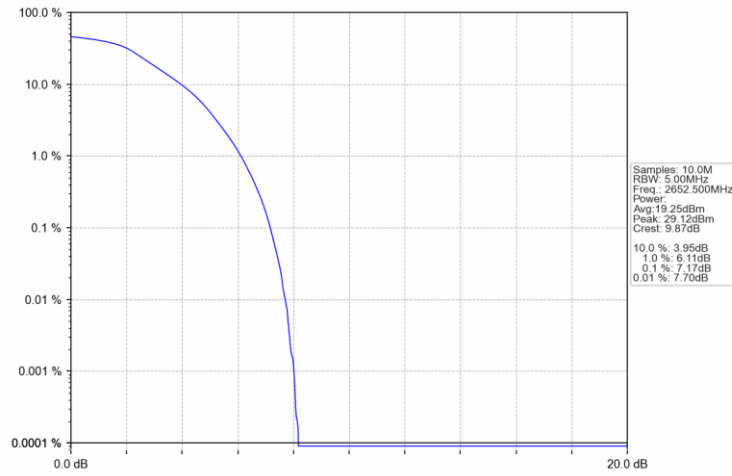


## 5.2 Test Graph

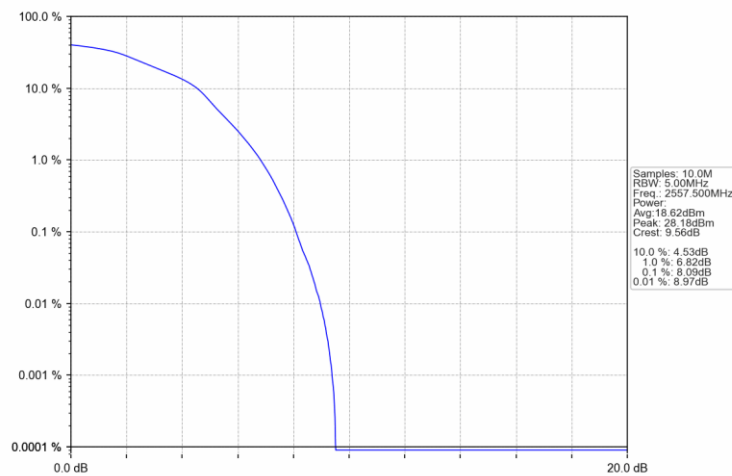
### 5.2.1 B41\_5MHz



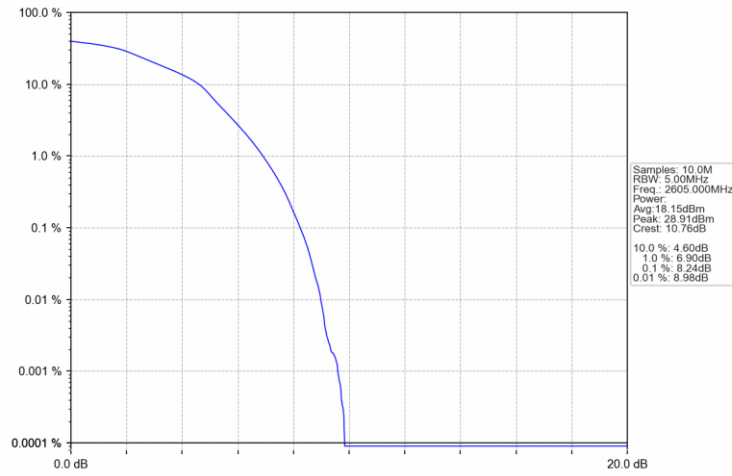
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



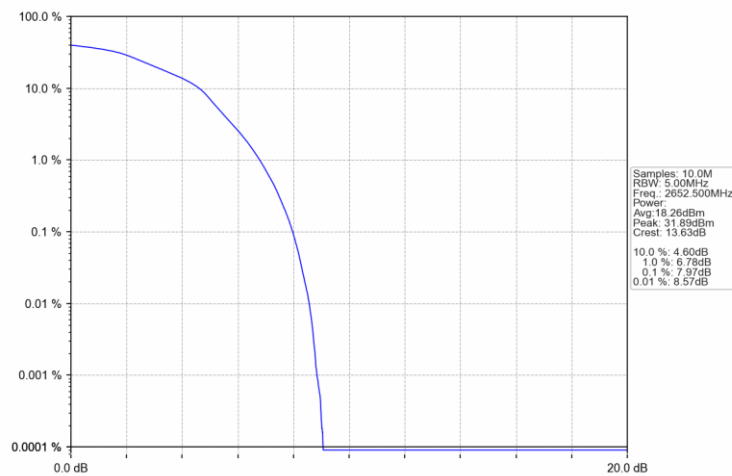
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV

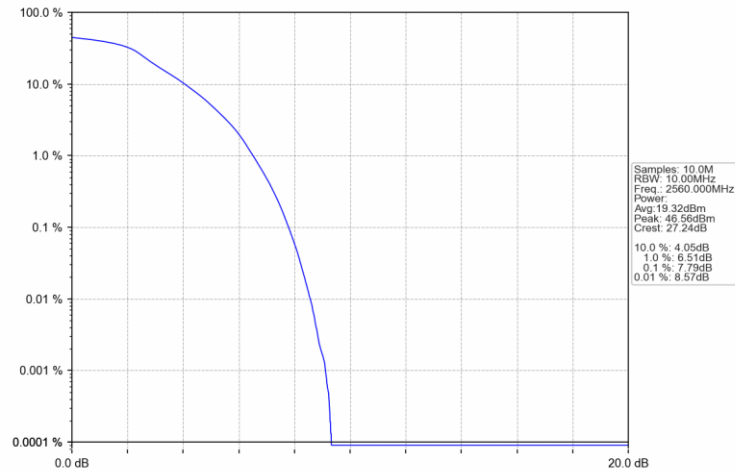


Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV

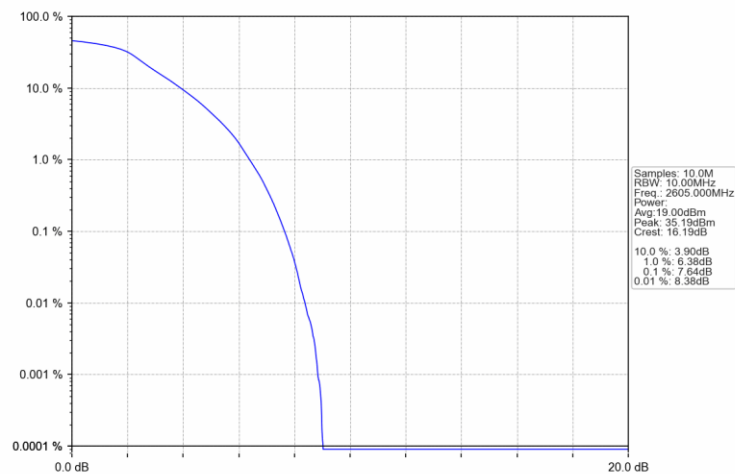


### 5.2.2 B41\_10MHz

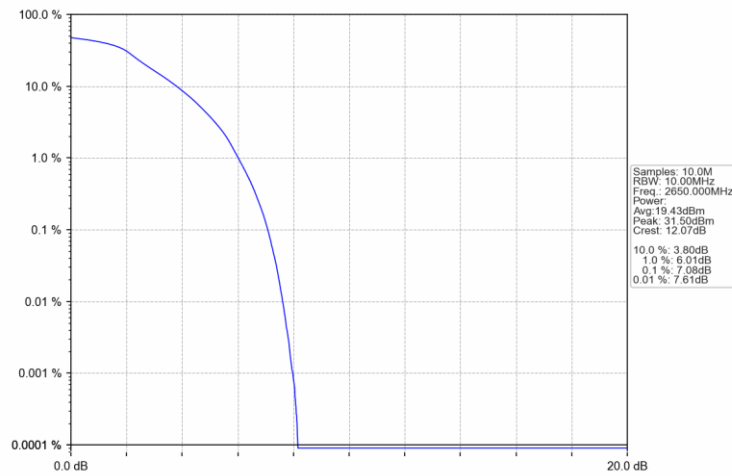
Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



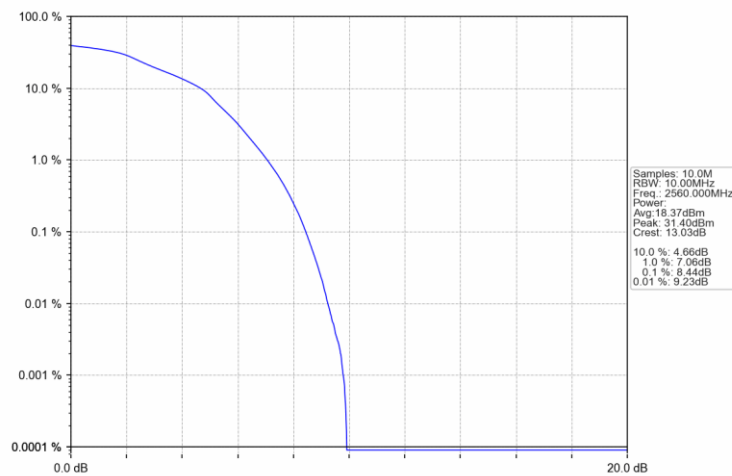
Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



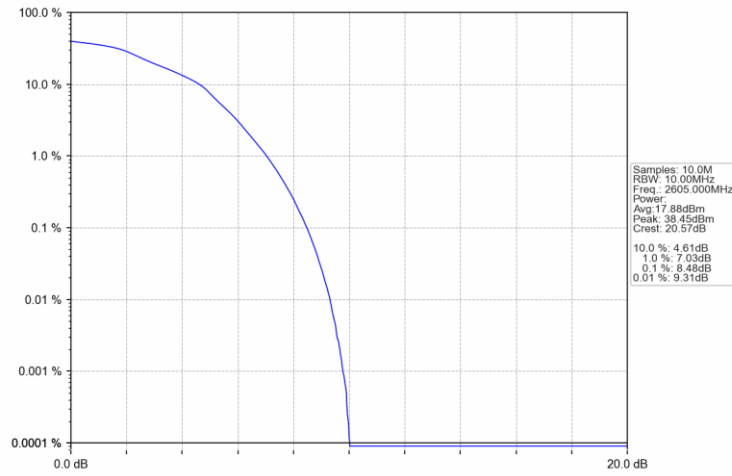
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



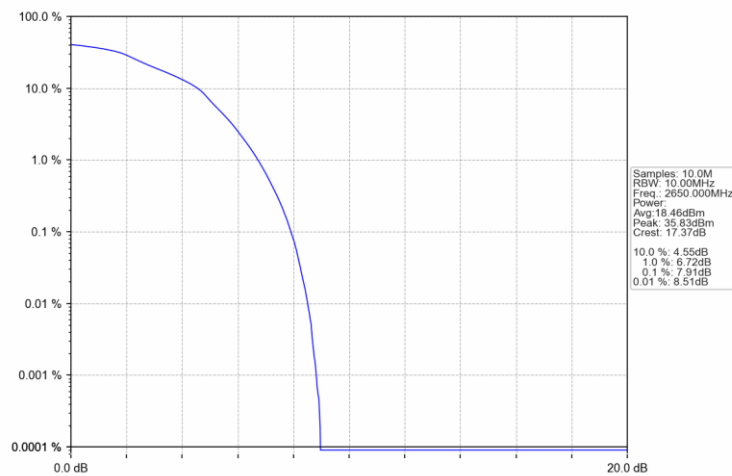
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



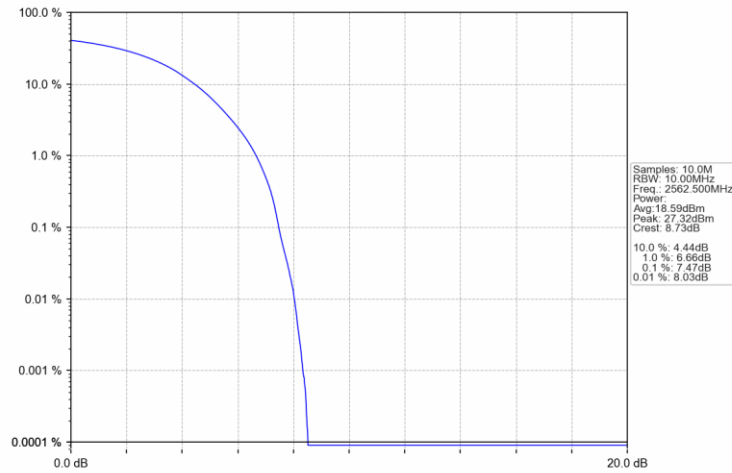
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



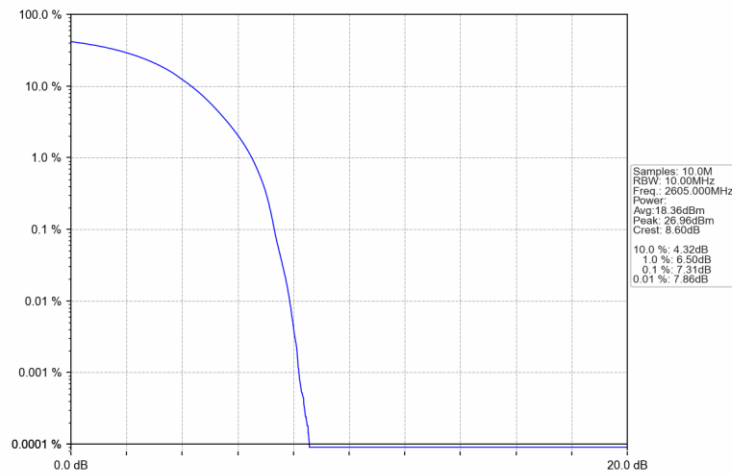


### 5.2.3 B41\_15MHz

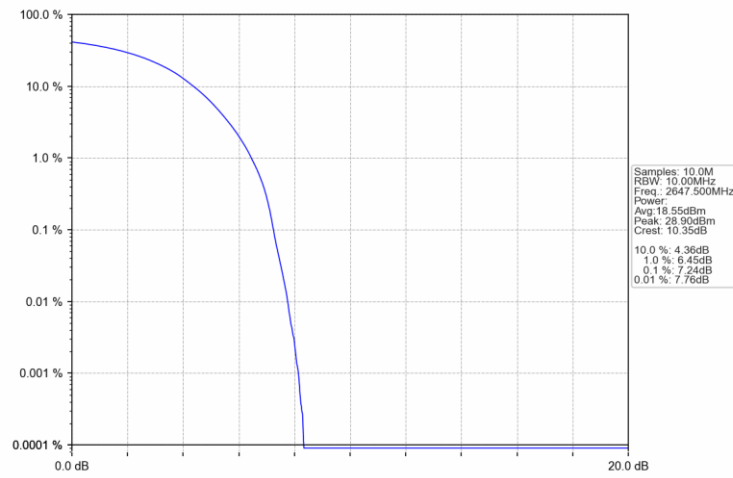
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



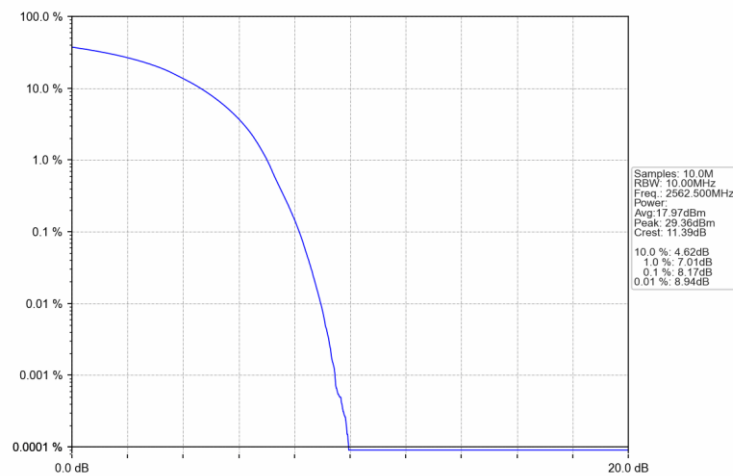
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



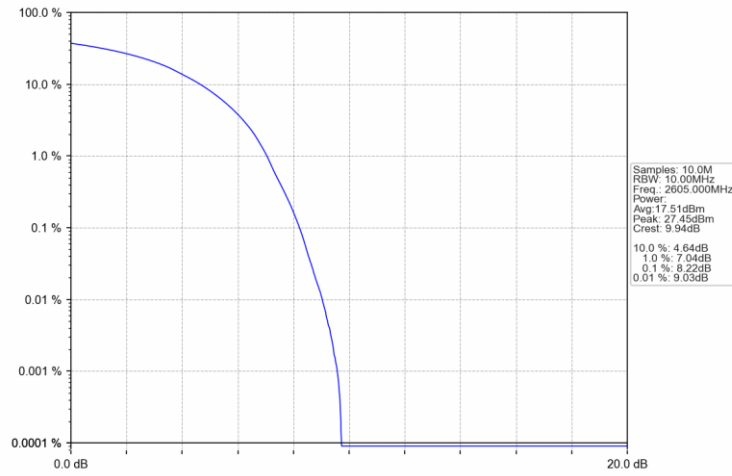
Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



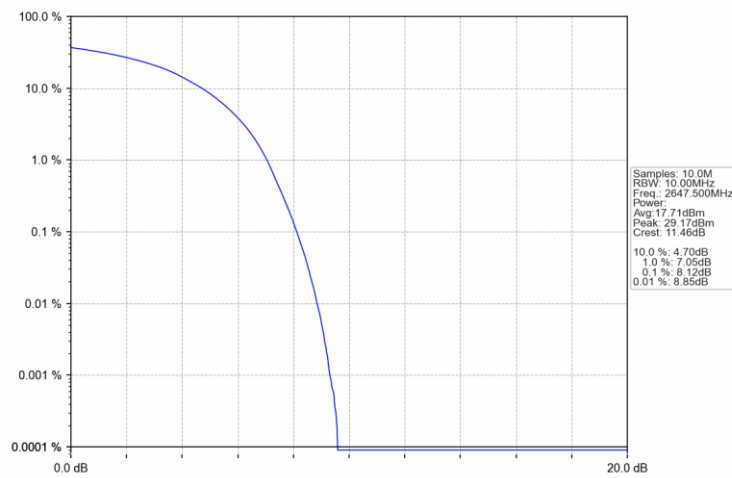
Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



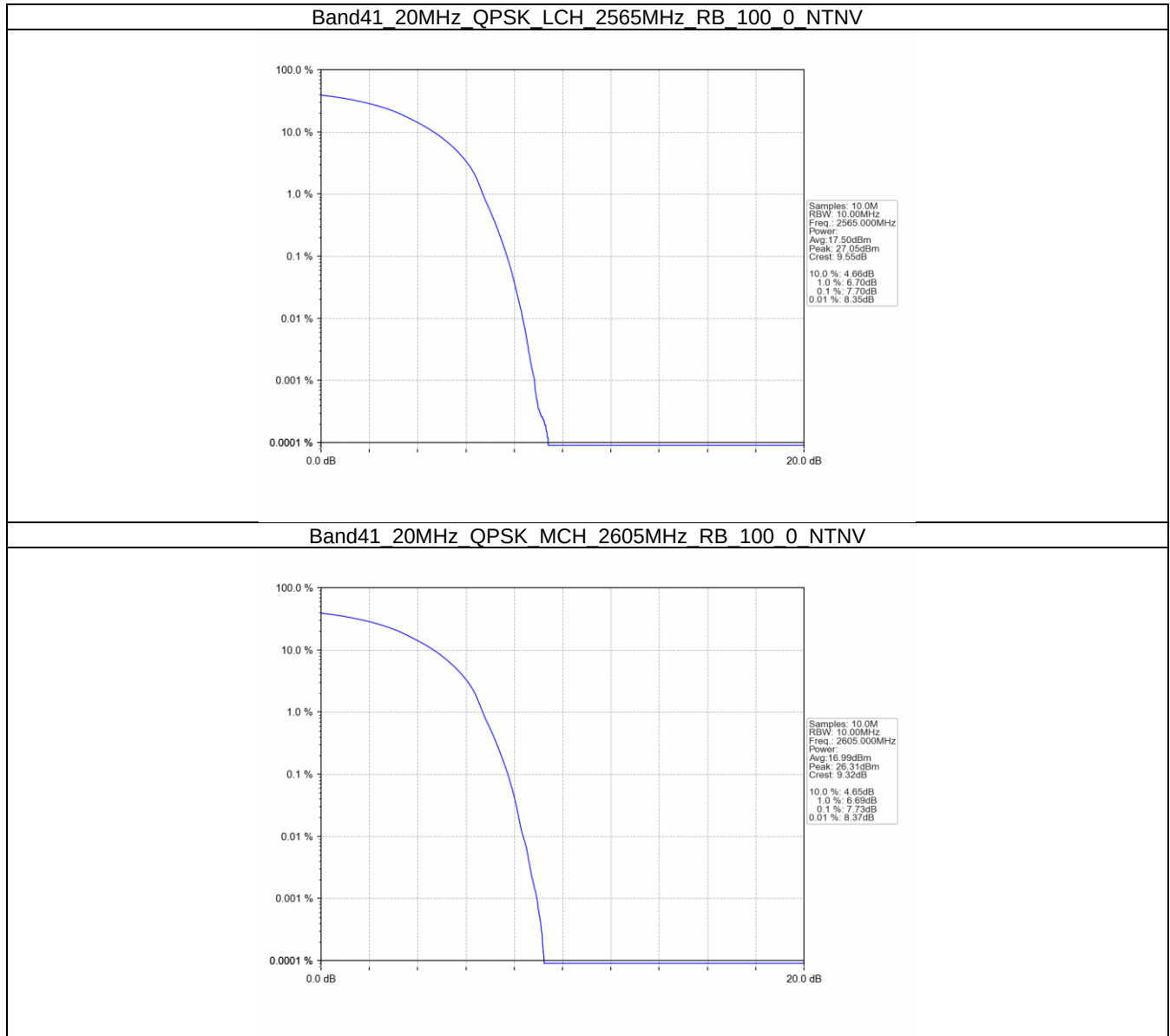
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



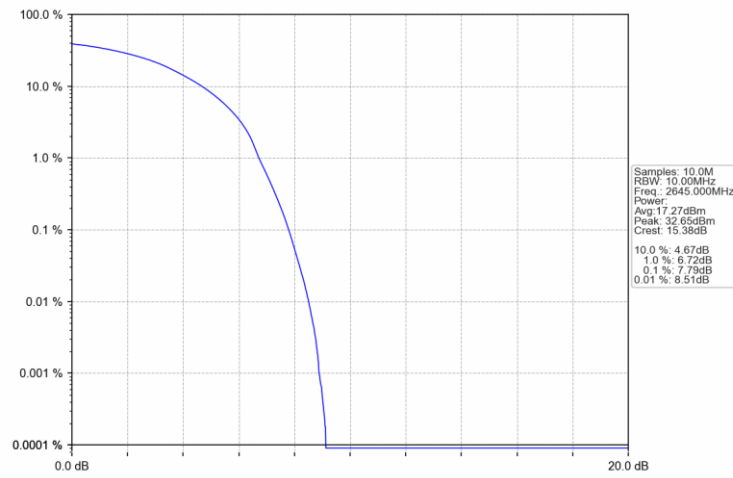
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



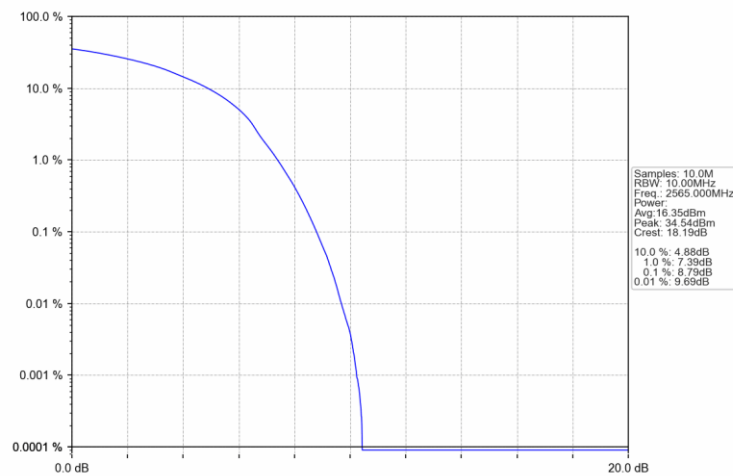
### 5.2.4 B41\_20MHz



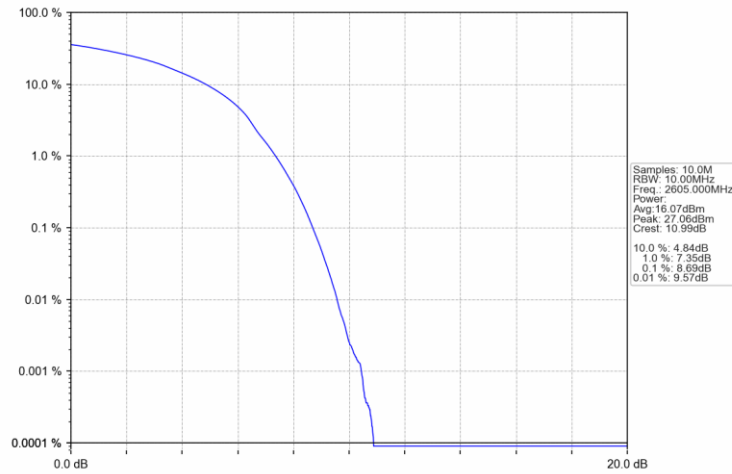
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



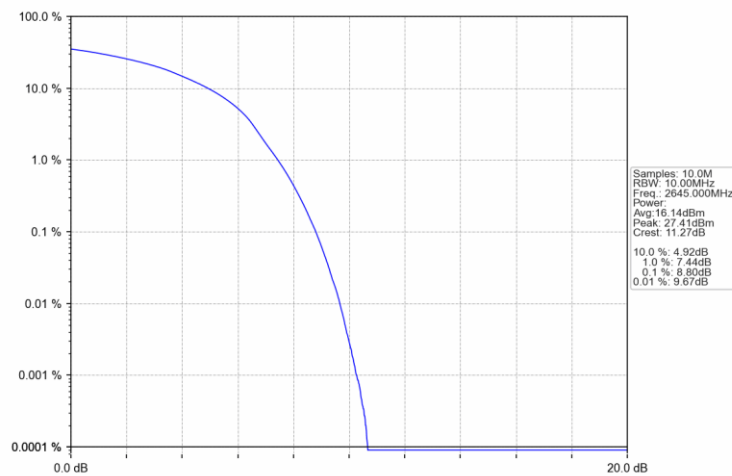
Band41\_20MHz\_16QAM\_LCH\_2565MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2557.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2652.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                   |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2557.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2652.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                   |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.2 B41\_10MHz

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2650            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2650            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.3 B41\_15MHz

| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2562.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2647.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                    |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 2562.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

|  |        |    |    |                     |      |
|--|--------|----|----|---------------------|------|
|  | 2605   | 1  | 0  | Refer To Test Graph | Pass |
|  | 2647.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |        |    | 74 | Refer To Test Graph | Pass |
|  |        | 75 | 0  | Refer To Test Graph | Pass |

#### 6.1.4 B41\_20MHz

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2565            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 2565            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |