

## 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      | 23.87                 | 2.00       | 23.72      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.94                 | 2.00       | 23.79      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.90                 | 2.00       | 23.75      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.89                 | 2.00       | 22.74      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.90                 | 2.00       | 22.75      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.82                 | 2.00       | 22.67      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.86                 | 2.00       | 22.71      | <=33.01 | Pass    |
|                                   | 2605            | 1             | 0      | 23.63                 | 2.00       | 23.48      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.52                 | 2.00       | 23.37      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.63                 | 2.00       | 23.48      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.50                 | 2.00       | 22.35      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.62                 | 2.00       | 22.47      | <=33.01 | Pass    |
|                                   | 2652.5          | 1             | 0      | 23.45                 | 2.00       | 23.30      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.73                 | 2.00       | 23.58      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.62                 | 2.00       | 23.47      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.73                 | 2.00       | 22.58      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.81                 | 2.00       | 22.66      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.68                 | 2.00       | 22.53      | <=33.01 | Pass    |
| 16QAM                             | 2557.5          | 1             | 0      | 23.08                 | 2.00       | 22.93      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.86                 | 2.00       | 22.71      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.84                 | 2.00       | 22.69      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.83                 | 2.00       | 21.68      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.80                 | 2.00       | 21.65      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.72                 | 2.00       | 21.57      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.82                 | 2.00       | 21.67      | <=33.01 | Pass    |
|                                   | 2605            | 1             | 0      | 22.54                 | 2.00       | 22.39      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.68                 | 2.00       | 22.53      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.51                 | 2.00       | 22.36      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.52                 | 2.00       | 21.37      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.52                 | 2.00       | 21.37      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.52                 | 2.00       | 21.37      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.51                 | 2.00       | 21.36      | <=33.01 | Pass    |
|                                   | 2652.5          | 1             | 0      | 22.71                 | 2.00       | 22.56      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.76                 | 2.00       | 22.61      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.68                 | 2.00       | 22.53      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.75                 | 2.00       | 21.60      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.64                 | 2.00       | 21.49      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.58                 | 2.00       | 21.43      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.66                 | 2.00       | 21.51      | <=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      | 23.95                 | 2.00       | 23.80      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 24.11                 | 2.00       | 23.96      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.98                 | 2.00       | 23.83      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 23.01                 | 2.00       | 22.86      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.96                 | 2.00       | 22.81      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.90                 | 2.00       | 22.75      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.89                 | 2.00       | 22.74      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 23.52                 | 2.00       | 23.37      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.74                 | 2.00       | 23.59      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.57                 | 2.00       | 23.42      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.58                 | 2.00       | 22.43      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.58                 | 2.00       | 22.43      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.58                 | 2.00       | 22.43      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.56                 | 2.00       | 22.41      | <=33.01 | Pass    |
|                                    | 2650            | 1             | 0      | 23.74                 | 2.00       | 23.59      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.79                 | 2.00       | 23.64      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.58                 | 2.00       | 23.43      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.74                 | 2.00       | 22.59      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.70                 | 2.00       | 22.55      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.69                 | 2.00       | 22.54      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.70                 | 2.00       | 22.55      | <=33.01 | Pass    |
| 16QAM                              | 2560            | 1             | 0      | 22.94                 | 2.00       | 22.79      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.88                 | 2.00       | 22.73      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.99                 | 2.00       | 22.84      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.89                 | 2.00       | 21.74      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.89                 | 2.00       | 21.74      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.88                 | 2.00       | 21.73      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.84                 | 2.00       | 21.69      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 22.77                 | 2.00       | 22.62      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.66                 | 2.00       | 22.51      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.79                 | 2.00       | 22.64      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.53                 | 2.00       | 21.38      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.50                 | 2.00       | 21.35      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.66                 | 2.00       | 21.51      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.64                 | 2.00       | 21.49      | <=33.01 | Pass    |
|                                    | 2650            | 1             | 0      | 22.53                 | 2.00       | 22.38      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.78                 | 2.00       | 22.63      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.56                 | 2.00       | 22.41      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.71                 | 2.00       | 21.56      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.74                 | 2.00       | 21.59      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.82                 | 2.00       | 21.67      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.69                 | 2.00       | 21.54      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B41\_15MHz\_EIRP

| 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      | 23.85                 | 2.00       | 23.70      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.96                 | 2.00       | 23.81      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.81                 | 2.00       | 23.66      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.96                 | 2.00       | 22.81      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 23.01                 | 2.00       | 22.86      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.97                 | 2.00       | 22.82      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.89                 | 2.00       | 22.74      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 23.52                 | 2.00       | 23.37      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.74                 | 2.00       | 23.59      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.51                 | 2.00       | 23.36      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.68                 | 2.00       | 22.53      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.60                 | 2.00       | 22.45      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.56                 | 2.00       | 22.41      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.58                 | 2.00       | 22.43      | <=33.01 | Pass    |
|                                    | 2647.5          | 1             | 0      | 23.77                 | 2.00       | 23.62      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.84                 | 2.00       | 23.69      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.62                 | 2.00       | 23.47      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.76                 | 2.00       | 22.61      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.74                 | 2.00       | 22.59      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.71                 | 2.00       | 22.56      | <=33.01 | Pass    |
| 16QAM                              | 2562.5          | 1             | 0      | 22.87                 | 2.00       | 22.72      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.93                 | 2.00       | 22.78      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.83                 | 2.00       | 22.68      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.86                 | 2.00       | 21.71      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.90                 | 2.00       | 21.75      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.88                 | 2.00       | 21.73      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.91                 | 2.00       | 21.76      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 22.85                 | 2.00       | 22.70      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.93                 | 2.00       | 22.78      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.76                 | 2.00       | 22.61      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.55                 | 2.00       | 21.40      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.52                 | 2.00       | 21.37      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.52                 | 2.00       | 21.37      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.53                 | 2.00       | 21.38      | <=33.01 | Pass    |
|                                    | 2647.5          | 1             | 0      | 22.47                 | 2.00       | 22.32      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.56                 | 2.00       | 22.41      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.46                 | 2.00       | 22.31      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.67                 | 2.00       | 21.52      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.76                 | 2.00       | 21.61      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.65                 | 2.00       | 21.50      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.76                 | 2.00       | 21.61      | <=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      | 23.70                 | 2.00       | 23.55      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 24.18                 | 2.00       | 24.03      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.69                 | 2.00       | 23.54      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.86                 | 2.00       | 22.71      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.82                 | 2.00       | 22.67      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.88                 | 2.00       | 22.73      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.76                 | 2.00       | 22.61      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 23.30                 | 2.00       | 23.15      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.71                 | 2.00       | 23.56      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.26                 | 2.00       | 23.11      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.51                 | 2.00       | 22.36      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.52                 | 2.00       | 22.37      | <=33.01 | Pass    |
|                                    | 2645            | 1             | 0      | 23.54                 | 2.00       | 23.39      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.79                 | 2.00       | 23.64      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.16                 | 2.00       | 23.01      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.60                 | 2.00       | 22.45      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.65                 | 2.00       | 22.50      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.69                 | 2.00       | 22.54      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.59                 | 2.00       | 22.44      | <=33.01 | Pass    |
| 16QAM                              | 2565            | 1             | 0      | 22.89                 | 2.00       | 22.74      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.01                 | 2.00       | 22.86      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.63                 | 2.00       | 22.48      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.77                 | 2.00       | 21.62      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.84                 | 2.00       | 21.69      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.80                 | 2.00       | 21.65      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.74                 | 2.00       | 21.59      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 22.24                 | 2.00       | 22.09      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.71                 | 2.00       | 22.56      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.40                 | 2.00       | 22.25      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.49                 | 2.00       | 21.34      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.55                 | 2.00       | 21.40      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.53                 | 2.00       | 21.38      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.48                 | 2.00       | 21.33      | <=33.01 | Pass    |
|                                    | 2645            | 1             | 0      | 22.23                 | 2.00       | 22.08      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.39                 | 2.00       | 22.24      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.12                 | 2.00       | 21.97      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.62                 | 2.00       | 21.47      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.85                 | 2.00       | 21.70      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.64                 | 2.00       | 21.49      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.65                 | 2.00       | 21.50      | <=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         | 3.27          | -8.397           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -6.652           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.190           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -10.271          | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -10.214          | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -13.490          | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -28.067          | -0.0110               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -22.559          | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -20.599          | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -20.599          | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -18.268          | -0.0071               | -2.5 to 2.5 | Pass    |
|                            | 2605            | 25            | 0      | 20         | 3.27          | -14.205          | -0.0055               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -13.561          | -0.0052               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -12.059          | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -23.961          | -0.0092               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -32.573          | -0.0125               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -26.121          | -0.0100               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -30.155          | -0.0116               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -13.862          | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -24.061          | -0.0092               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -22.902          | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -20.514          | -0.0079               | -2.5 to 2.5 | Pass    |
|                            | 2652.5          | 25            | 0      | 20         | 3.27          | -9.713           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -18.568          | -0.0070               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.659           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -11.916          | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -13.576          | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.121           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -11.601          | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.272            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -2.317           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 5.136            | 0.0019                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -19.884          | -0.0075               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2557.5          | 25            | 0      | 20         | 3.27          | -20.056          | -0.0078               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -10.772          | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -18.954          | -0.0074               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -9.971           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -21.443          | -0.0084               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -22.631          | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -18.468          | -0.0072               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -26.164          | -0.0102               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -26.865          | -0.0105               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -24.948          | -0.0098               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -29.998          | -0.0117               | -2.5 to 2.5 | Pass    |
|                            | 2605            | 25            | 0      | 20         | 3.27          | -22.359          | -0.0086               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -25.077          | -0.0096               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -13.218          | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -27.666          | -0.0106               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -10.929          | -0.0042               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   | -10 | 3.85 | -28.911 | -0.0111 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -19.984 | -0.0077 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -14.606 | -0.0056 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -17.252 | -0.0066 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -17.395 | -0.0067 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -28.439 | -0.0109 | -2.5 to 2.5 | Pass |
|  | 2652.5 | 25 | 0 | 20  | 3.27 | -2.117  | -0.0008 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 2.217   | 0.0008  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -2.346  | -0.0009 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -18.711 | -0.0071 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 0.730   | 0.0003  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -12.259 | -0.0046 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -10.071 | -0.0038 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -14.319 | -0.0054 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 0.257   | 0.0001  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -0.615  | -0.0002 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -10.042 | -0.0038 | -2.5 to 2.5 | Pass |

## 2.1.2 B41\_10MHz

| Band: 41 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 2560            | 50            | 0      | 20         | 3.27          | -16.437          | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -10.557          | -0.0041               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -10.028          | -0.0039               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -2.503           | -0.0010               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -2.089           | -0.0008               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -12.517          | -0.0049               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -13.590          | -0.0053               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -7.138           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -10.986          | -0.0043               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -10.428          | -0.0041               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -0.200           | -0.0001               | -2.5 to 2.5 | Pass    |
|                             | 2605            | 50            | 0      | 20         | 3.27          | -1.931           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -16.665          | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -11.044          | -0.0042               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -4.921           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -1.516           | -0.0006               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -7.610           | -0.0029               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -21.915          | -0.0084               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -15.678          | -0.0060               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -1.016           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -9.069           | -0.0035               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -13.833          | -0.0053               | -2.5 to 2.5 | Pass    |
|                             | 2650            | 50            | 0      | 20         | 3.27          | -8.841           | -0.0033               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 1.316            | 0.0005                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -10.643          | -0.0040               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -12.546          | -0.0047               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -3.920           | -0.0015               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -2.360           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -15.121          | -0.0057               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 0.730            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -17.323          | -0.0065               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -2.732           | -0.0010               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -11.415          | -0.0043               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 2560            | 50            | 0      | 20         | 3.27          | 5.636            | 0.0022                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -10.242          | -0.0040               | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |         |         |             |      |
|--|------|----|---|-----|------|---------|---------|-------------|------|
|  |      |    |   |     | 4.43 | -5.150  | -0.0020 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -12.903 | -0.0050 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -8.082  | -0.0032 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -8.755  | -0.0034 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -8.240  | -0.0032 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -1.917  | -0.0007 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -3.676  | -0.0014 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -12.460 | -0.0049 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -3.376  | -0.0013 | -2.5 to 2.5 | Pass |
|  | 2605 | 50 | 0 | 20  | 3.27 | -11.430 | -0.0044 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -7.796  | -0.0030 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | -15.879 | -0.0061 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -13.347 | -0.0051 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -13.089 | -0.0050 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -14.462 | -0.0056 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -6.866  | -0.0026 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -3.233  | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -21.973 | -0.0084 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -1.831  | -0.0007 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -13.633 | -0.0052 | -2.5 to 2.5 | Pass |
|  | 2650 | 50 | 0 | 20  | 3.27 | -15.879 | -0.0060 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -8.383  | -0.0032 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | -16.637 | -0.0063 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -3.161  | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -4.735  | -0.0018 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -5.264  | -0.0020 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | 0.944   | 0.0004  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -18.554 | -0.0070 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -10.400 | -0.0039 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -19.941 | -0.0075 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -14.606 | -0.0055 | -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         | 3.27          | -9.913           | -0.0039               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -16.766          | -0.0065               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -15.392          | -0.0060               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -16.365          | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -9.584           | -0.0037               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -13.475          | -0.0053               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -5.350           | -0.0021               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -1.760           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -10.843          | -0.0042               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -12.331          | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -12.388          | -0.0048               | -2.5 to 2.5 | Pass    |
|                             | 2605            | 75            | 0      | 20         | 3.27          | -10.257          | -0.0039               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -16.580          | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.123           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -17.080          | -0.0066               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -11.830          | -0.0045               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -7.324           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -11.702          | -0.0045               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -12.374          | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -9.856           | -0.0038               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -8.798           | -0.0034               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       | 2647.5 | 75 | 0 | 50  | 3.85 | -9.913  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -10.686 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -9.556  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -8.454  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -9.499  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -14.005 | -0.0053 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -9.427  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -13.161 | -0.0050 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -2.289  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -11.516 | -0.0043 | -2.5 to 2.5 | Pass |
| 16QAM | 2562.5 | 75 | 0 | 40  | 3.85 | -20.256 | -0.0077 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -17.295 | -0.0065 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -5.507  | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -5.536  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -6.166  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -17.481 | -0.0068 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -5.164  | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -8.526  | -0.0033 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -14.420 | -0.0056 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -11.029 | -0.0043 | -2.5 to 2.5 | Pass |
|       | 2605   | 75 | 0 | 30  | 3.85 | -15.693 | -0.0061 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -17.338 | -0.0068 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -10.142 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -13.304 | -0.0051 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -9.484  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -8.354  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -10.600 | -0.0041 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -8.154  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 1.159   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -14.248 | -0.0055 | -2.5 to 2.5 | Pass |
|       | 2647.5 | 75 | 0 | 10  | 3.85 | -8.211  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -15.721 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -9.241  | -0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -7.367  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -3.362  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 0.787   | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -10.486 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -8.683  | -0.0033 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -16.379 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -10.657 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -6.051  | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -11.659 | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -11.644 | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -8.855  | -0.0033 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -20.070 | -0.0076 | -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         | 3.27          | -14.076          | -0.0055               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -14.434          | -0.0056               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -5.307           | -0.0021               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -1.917           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -12.517          | -0.0049               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -4.950           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -5.779           | -0.0023               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
|       |      |     |   | 10  | 3.85 | -6.924  | -0.0027 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -10.514 | -0.0041 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -8.025  | -0.0031 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -17.238 | -0.0067 | -2.5 to 2.5 | Pass |
|       | 2605 | 100 | 0 | 20  | 3.27 | -13.475 | -0.0052 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -19.641 | -0.0075 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -5.507  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -9.484  | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -9.556  | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -5.393  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -16.837 | -0.0065 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -2.961  | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -11.072 | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -4.964  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -10.443 | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | -19.584 | -0.0074 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -2.174  | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -8.798  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -4.749  | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -5.507  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -7.496  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -12.474 | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 0.000   | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -2.904  | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -10.057 | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -13.375 | -0.0051 | -2.5 to 2.5 | Pass |
| 16QAM | 2565 | 100 | 0 | 20  | 3.27 | -1.073  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -13.461 | -0.0052 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -5.522  | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -4.077  | -0.0016 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -11.716 | -0.0046 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -14.749 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -7.381  | -0.0029 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -6.351  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -6.366  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -10.128 | -0.0039 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -6.480  | -0.0025 | -2.5 to 2.5 | Pass |
|       | 2605 | 100 | 0 | 20  | 3.27 | -11.244 | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -11.530 | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -11.401 | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -13.018 | -0.0050 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -12.445 | -0.0048 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -9.327  | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -7.467  | -0.0029 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -10.786 | -0.0041 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 0.715   | 0.0003  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -12.646 | -0.0049 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -13.118 | -0.0050 | -2.5 to 2.5 | Pass |
|       | 2645 | 100 | 0 | 20  | 3.27 | -7.954  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -11.587 | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -6.781  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -14.062 | -0.0053 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -4.578  | -0.0017 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -11.559 | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -6.781  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -13.146 | -0.0050 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -9.899  | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -6.795  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -12.345 | -0.0047 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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 / NTVN |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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

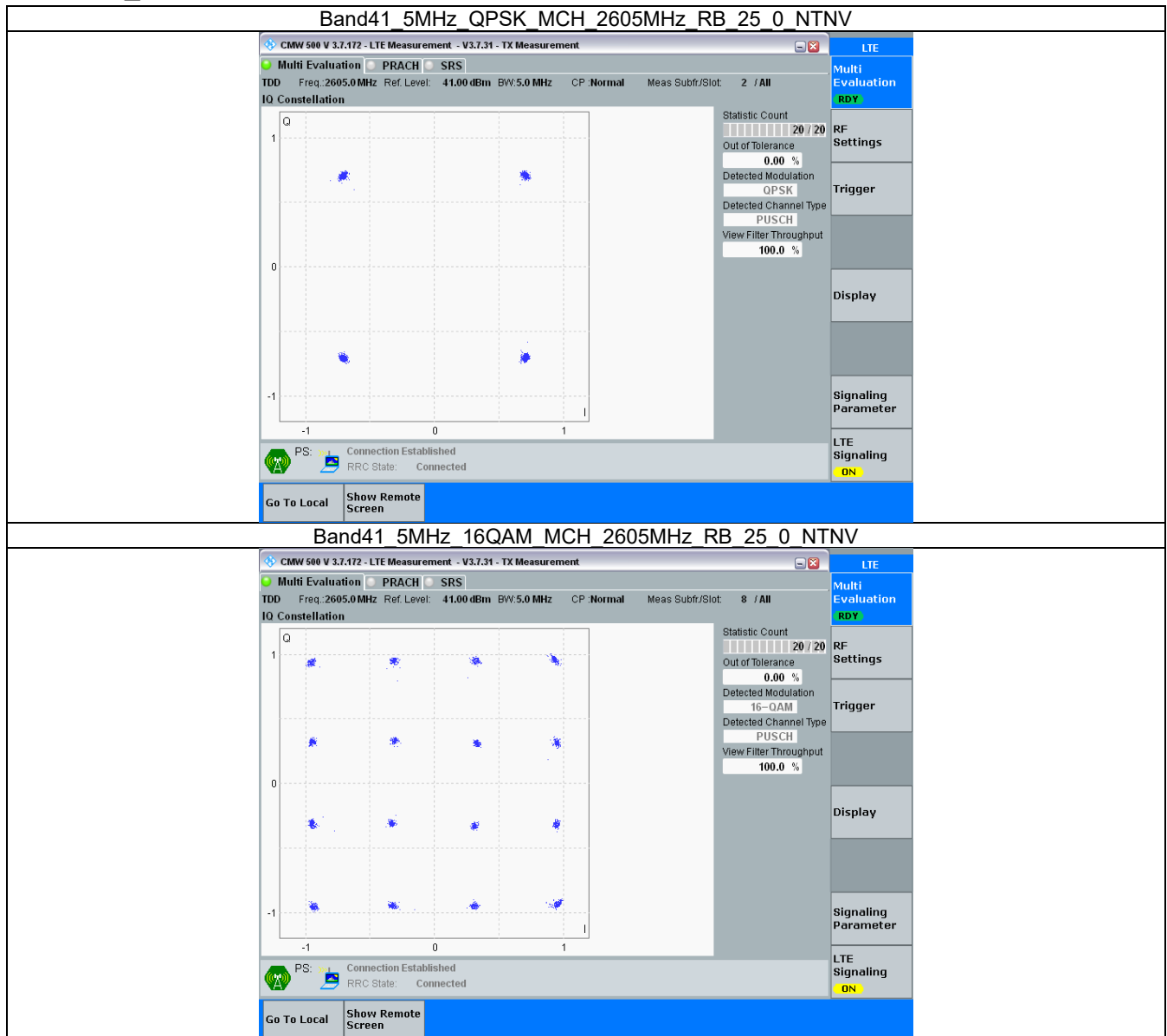
| Band: 41 / Bandwidth: 15MHz / NTVN |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (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

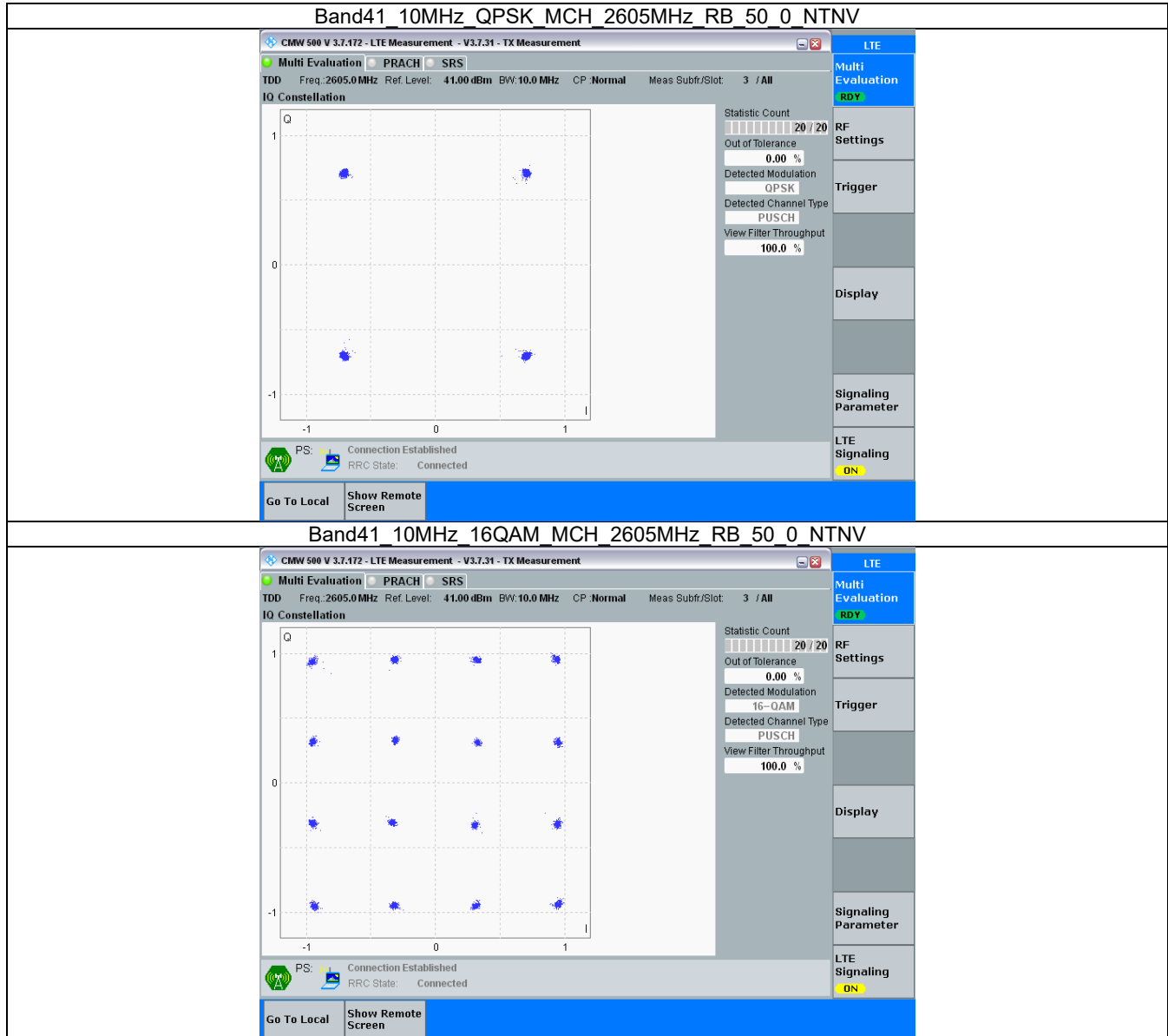
| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (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

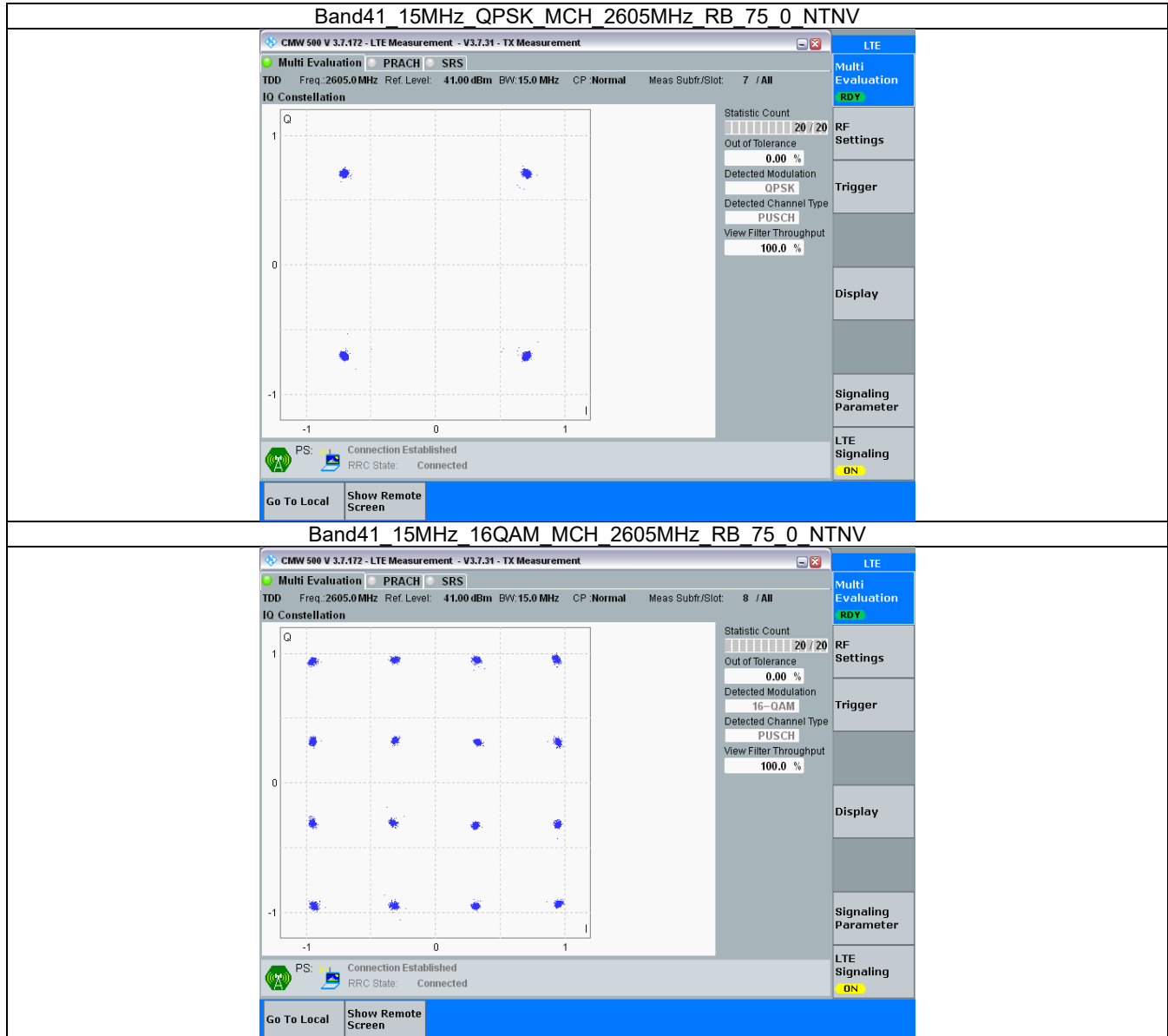
### 3.2.1 B41\_5MHz



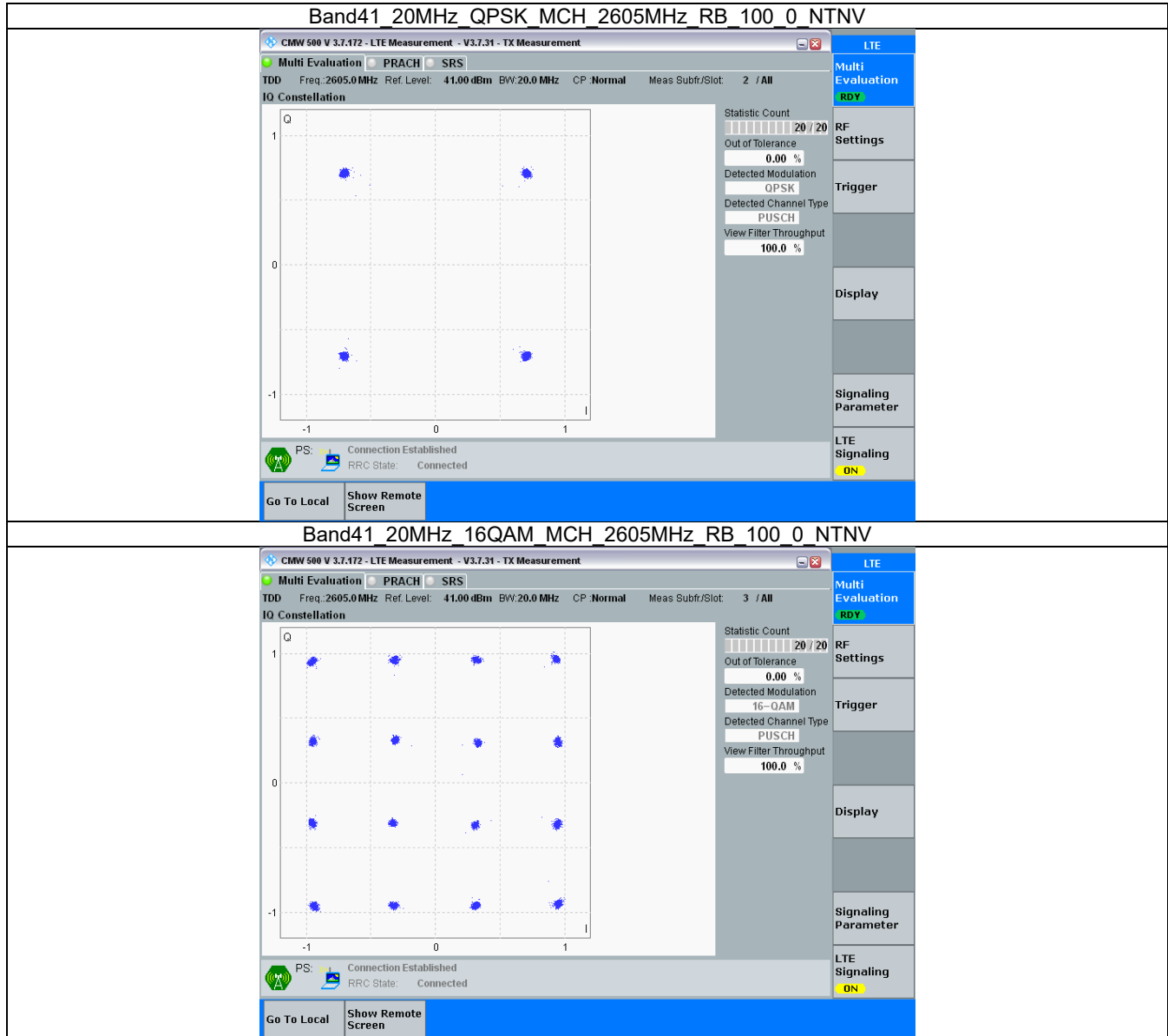
### 3.2.2 B41\_10MHz



### 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      | 4.549                        | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.546                        | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.552                        | /     | Pass    |
|                 | 16QAM      | 2557.5          | 25            | 0      | 4.548                        | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.524                        | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.557                        | /     | Pass    |
| 10              | QPSK       | 2560            | 50            | 0      | 9.062                        | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 9.054                        | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.069                        | /     | Pass    |
|                 | 16QAM      | 2560            | 50            | 0      | 9.072                        | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 9.080                        | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.066                        | /     | Pass    |
| 15              | QPSK       | 2562.5          | 75            | 0      | 13.602                       | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 13.542                       | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.593                       | /     | Pass    |
|                 | 16QAM      | 2562.5          | 75            | 0      | 13.593                       | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 13.611                       | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.609                       | /     | Pass    |
| 20              | QPSK       | 2565            | 100           | 0      | 18.122                       | /     | Pass    |
|                 |            | 2605            | 100           | 0      | 18.118                       | /     | Pass    |
|                 |            | 2645            | 100           | 0      | 18.094                       | /     | Pass    |
|                 | 16QAM      | 2565            | 100           | 0      | 18.119                       | /     | Pass    |
|                 |            | 2605            | 100           | 0      | 18.114                       | /     | Pass    |
|                 |            | 2645            | 100           | 0      | 18.067                       | /     | Pass    |

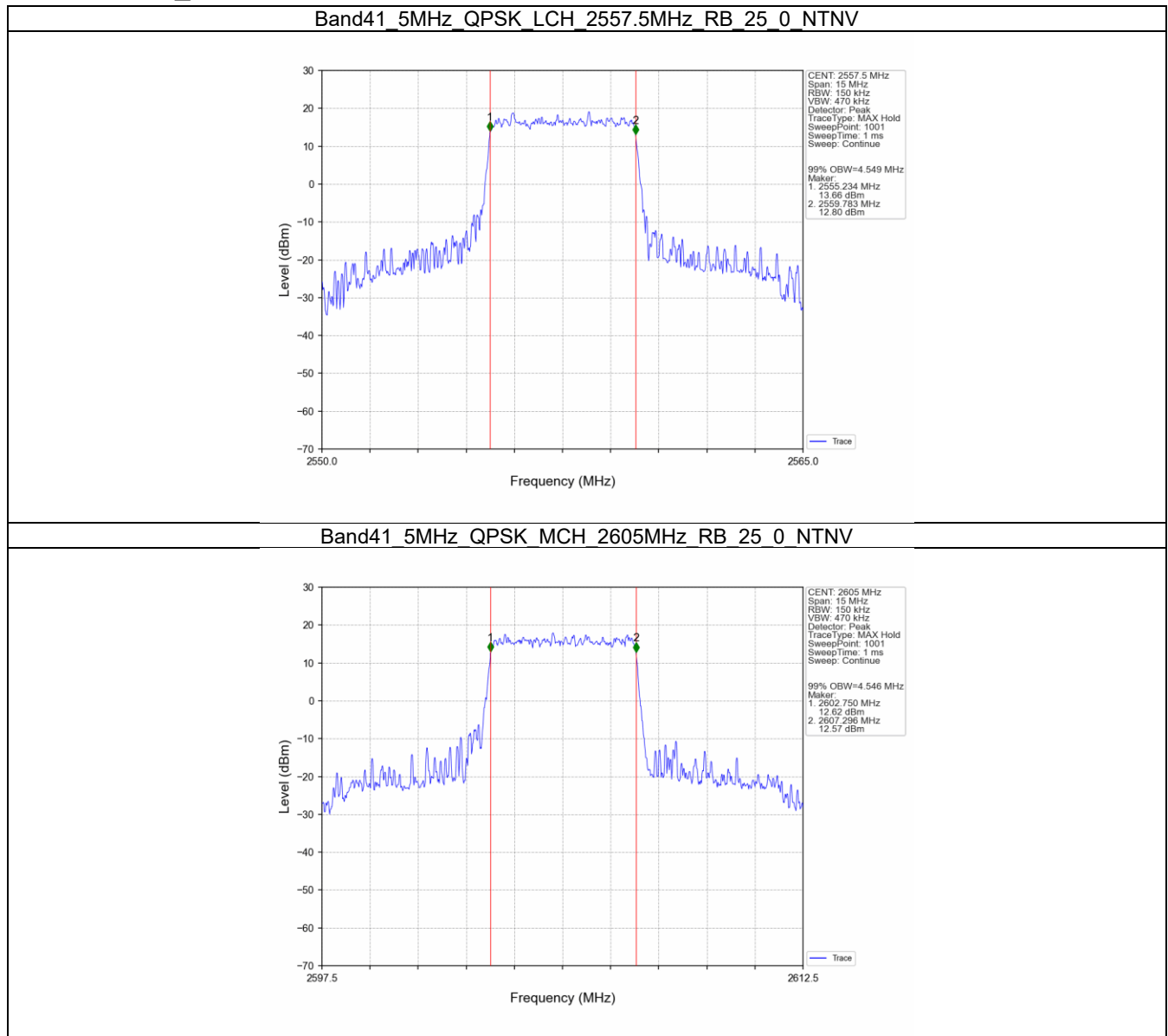
#### 4.1.2 Band41\_XDB

| Band: 41 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2557.5          | 25            | 0      | 5.089                | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 5.278                | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.990                | /     | Pass    |
|                 | 16QAM      | 2557.5          | 25            | 0      | 5.287                | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 5.059                | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 5.001                | /     | Pass    |
| 10              | QPSK       | 2560            | 50            | 0      | 11.320               | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 10.511               | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 10.281               | /     | Pass    |
|                 | 16QAM      | 2560            | 50            | 0      | 10.940               | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 11.176               | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.928                | /     | Pass    |
| 15              | QPSK       | 2562.5          | 75            | 0      | 16.491               | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 15.457               | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 15.528               | /     | Pass    |
|                 | 16QAM      | 2562.5          | 75            | 0      | 16.127               | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 17.627               | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 15.166               | /     | Pass    |
| 20              | QPSK       | 2565            | 100           | 0      | 19.763               | /     | Pass    |

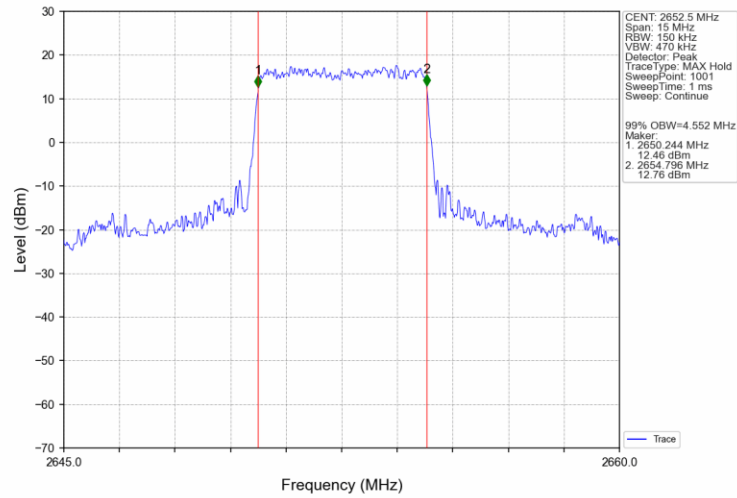
|  |       |      |     |   |        |   |      |
|--|-------|------|-----|---|--------|---|------|
|  |       | 2605 | 100 | 0 | 24.074 | / | Pass |
|  |       | 2645 | 100 | 0 | 21.005 | / | Pass |
|  | 16QAM | 2565 | 100 | 0 | 20.488 | / | Pass |
|  |       | 2605 | 100 | 0 | 20.421 | / | Pass |
|  |       | 2645 | 100 | 0 | 20.884 | / | Pass |

## 4.2 Test Graph

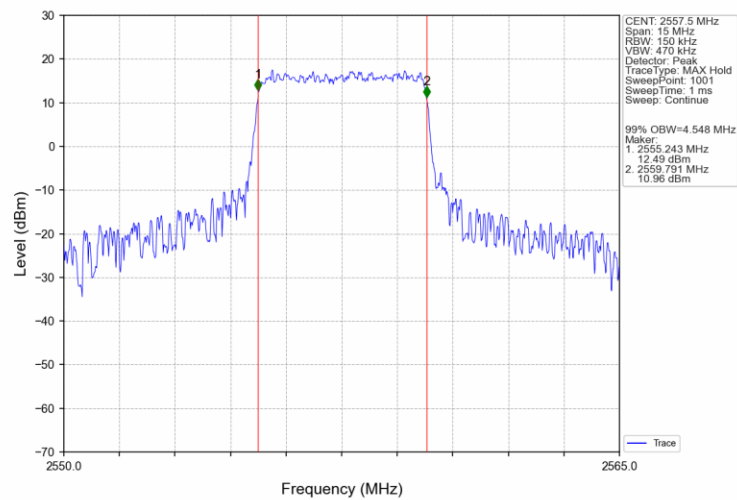
### 4.2.1 Band41\_OBW



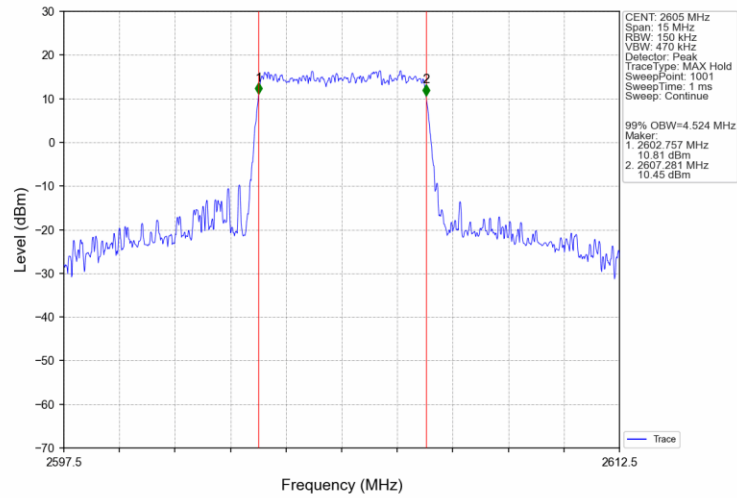
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



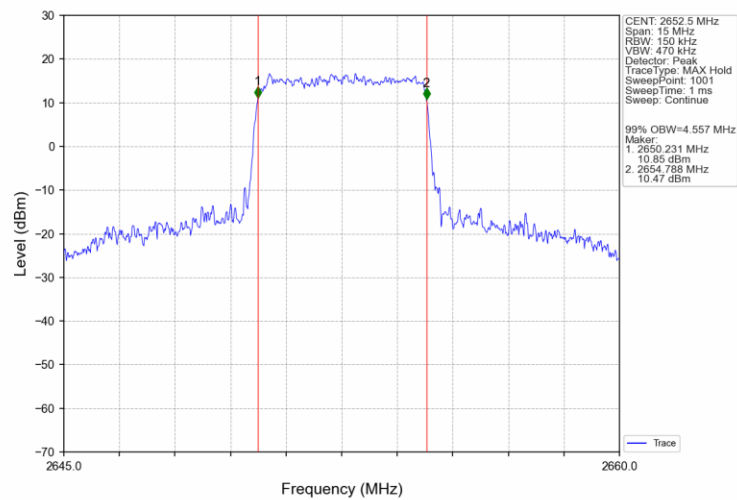
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



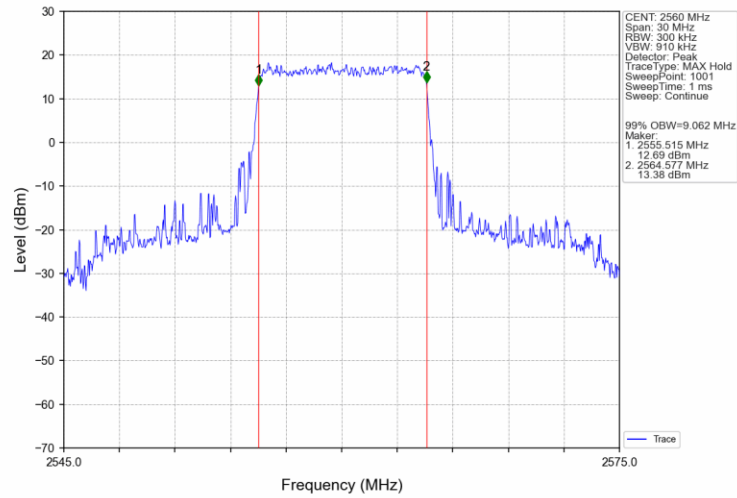
Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



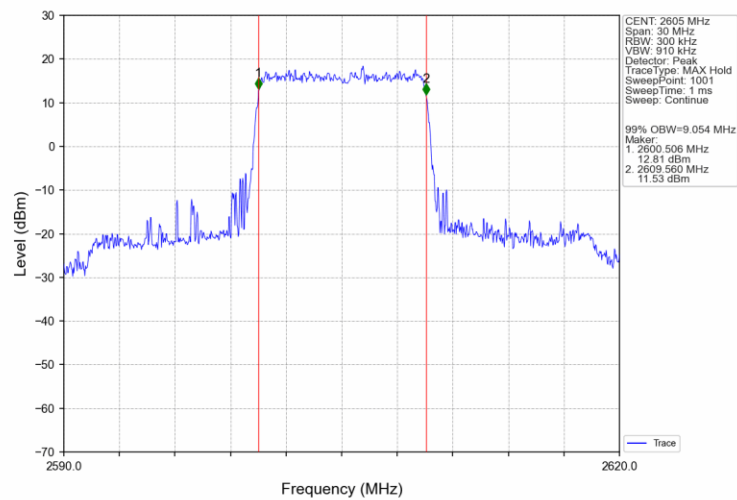
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



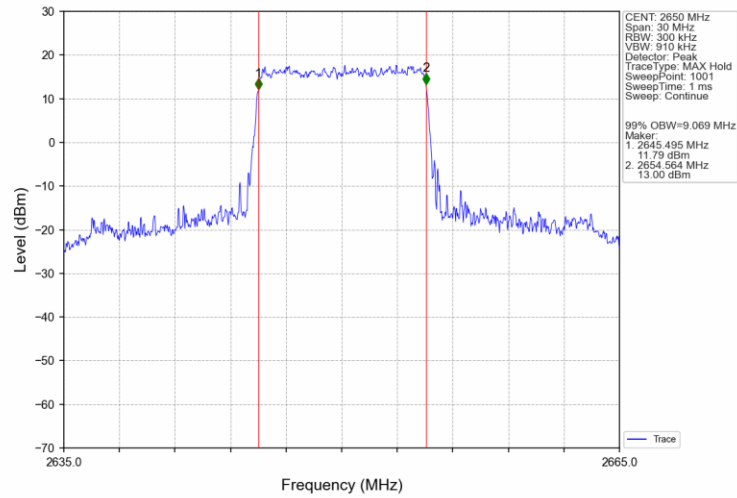
Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



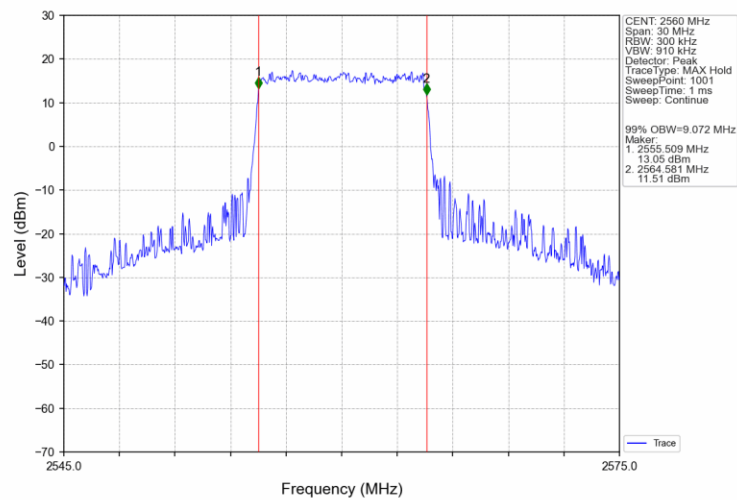
Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



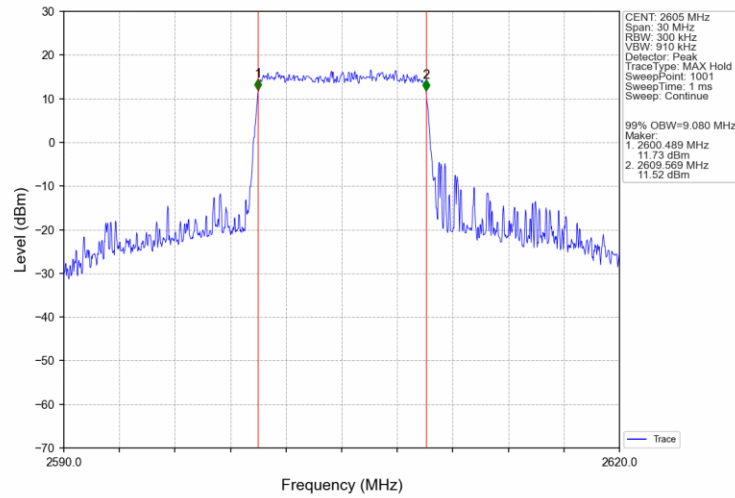
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



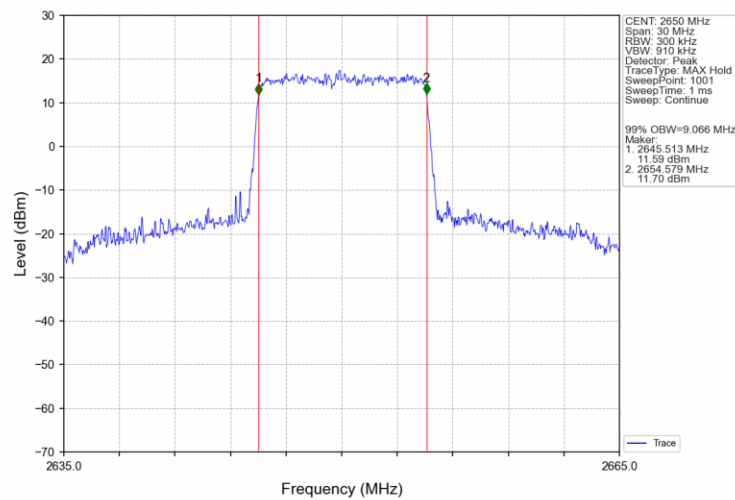
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



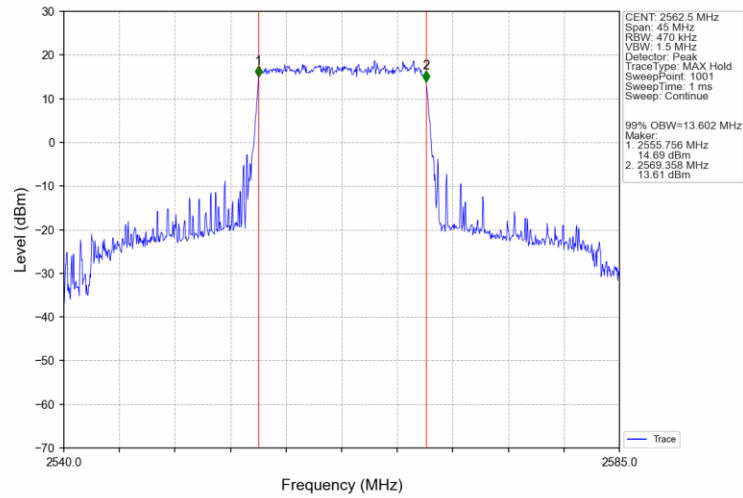
Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



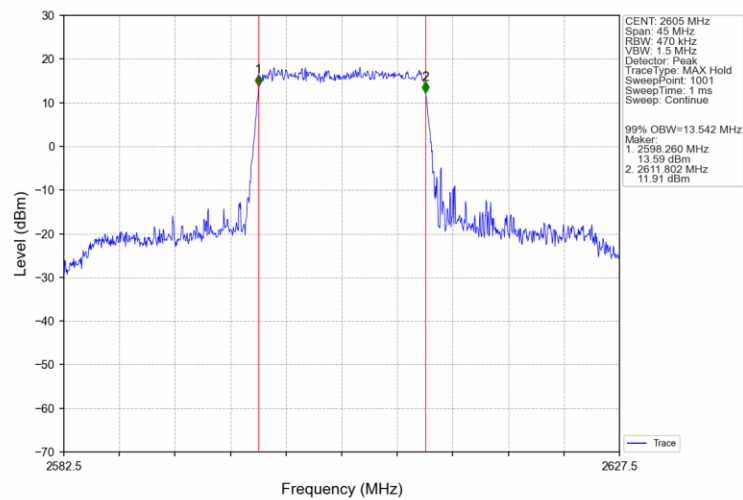
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



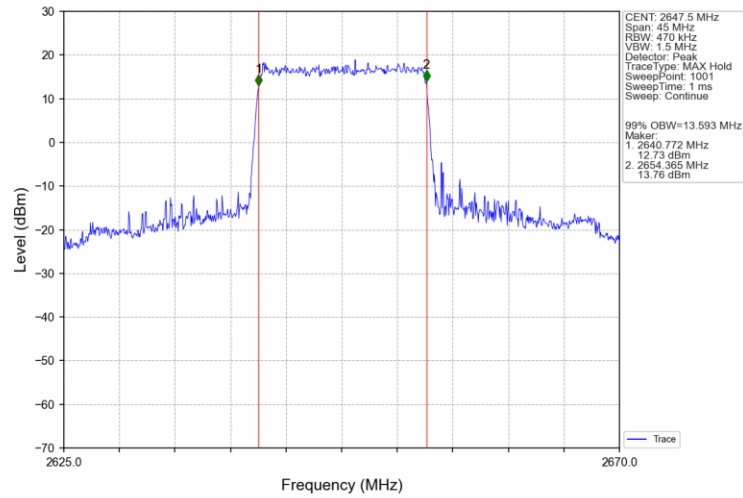
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



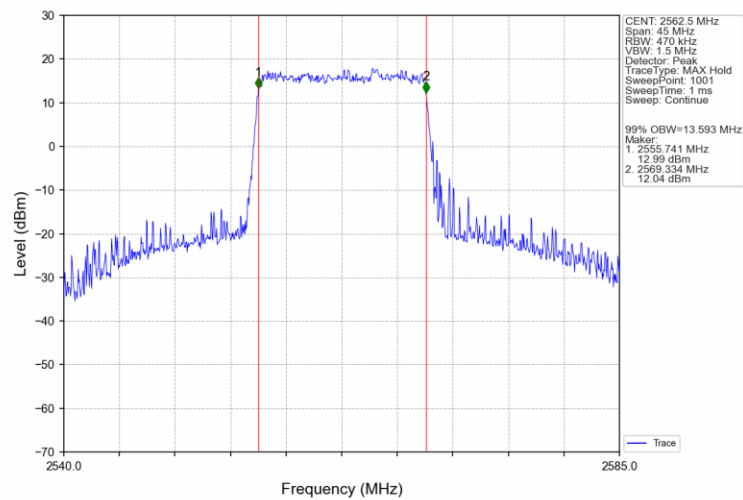
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



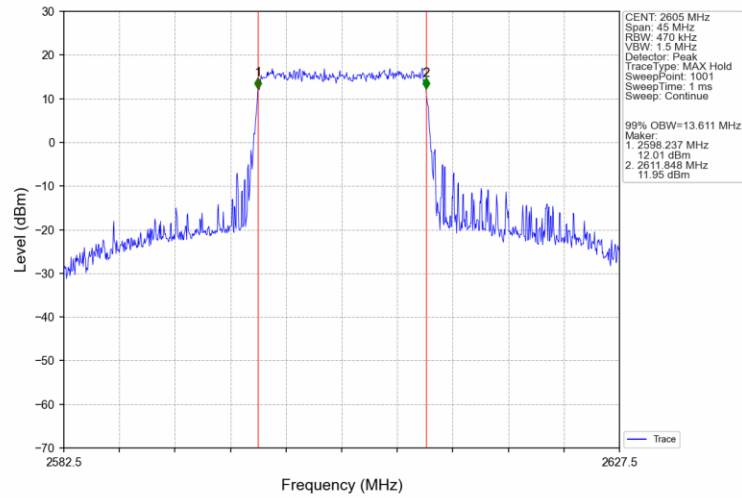
Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



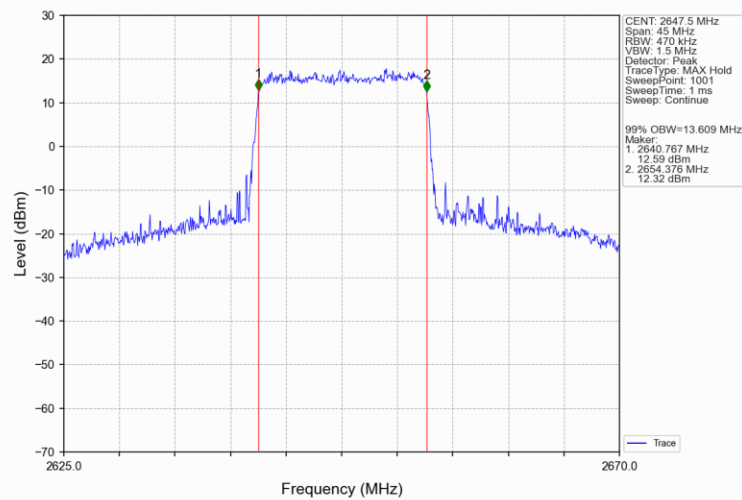
Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



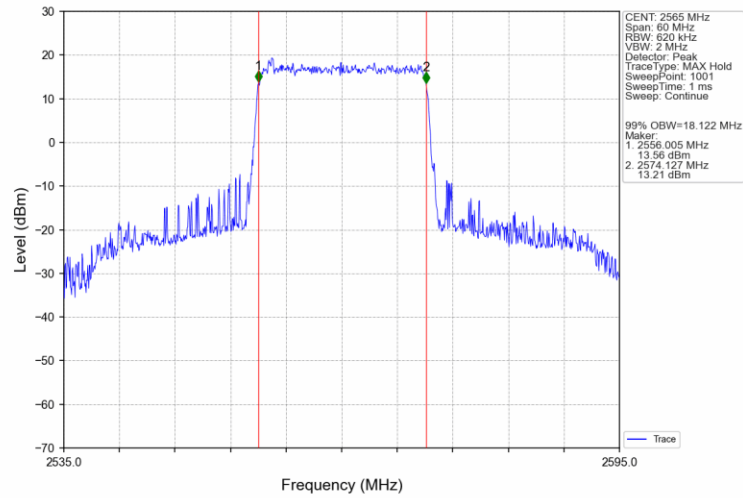
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



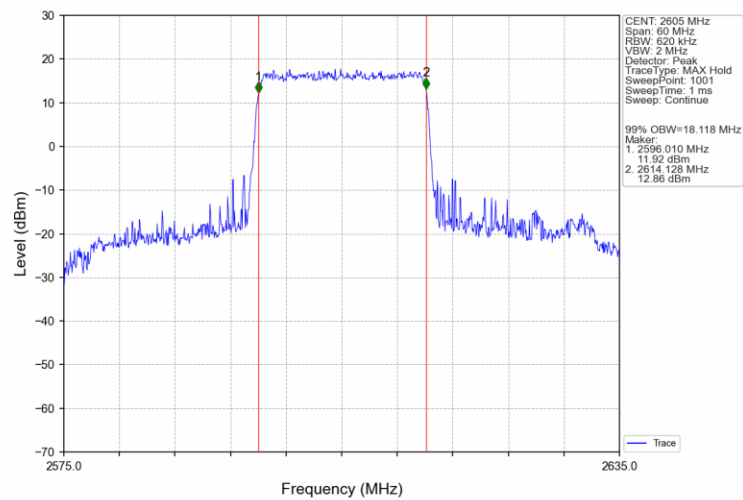
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



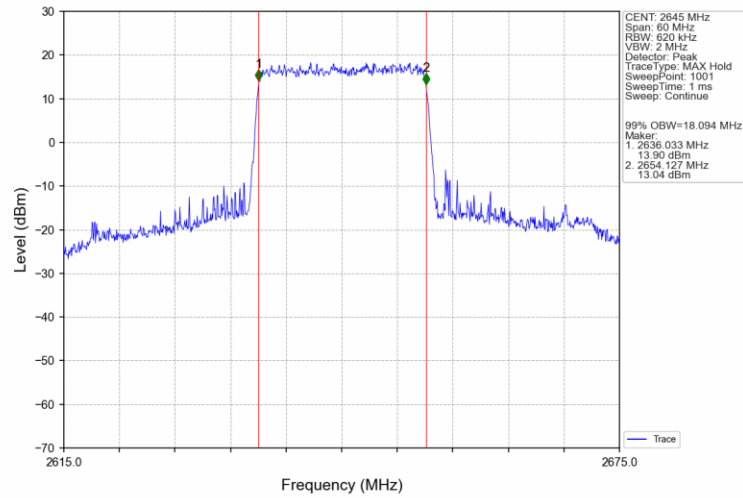
Band41\_20MHz\_QPSK\_LCH\_2565MHz\_RB\_100\_0\_NTNV



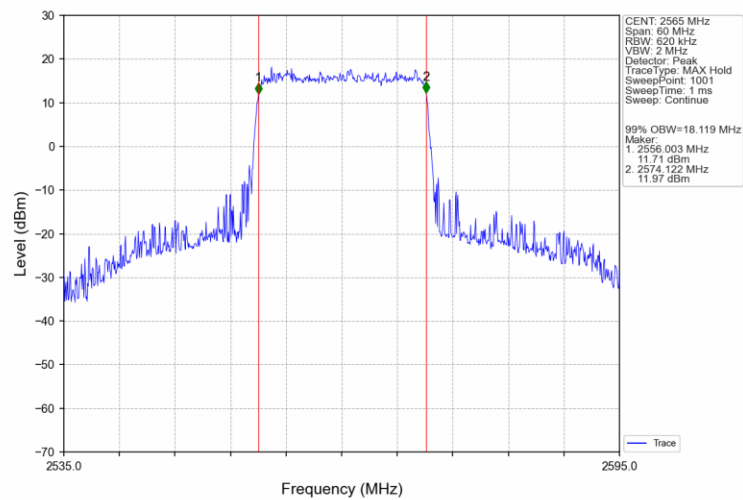
Band41\_20MHz\_QPSK\_MCH\_2605MHz\_RB\_100\_0\_NTNV



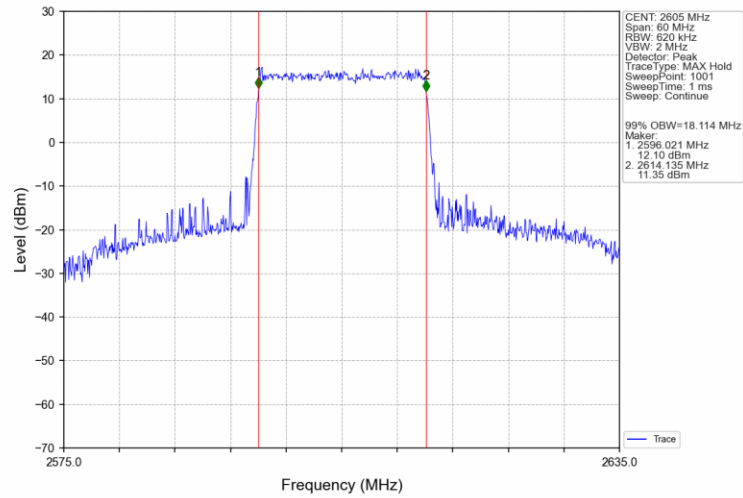
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



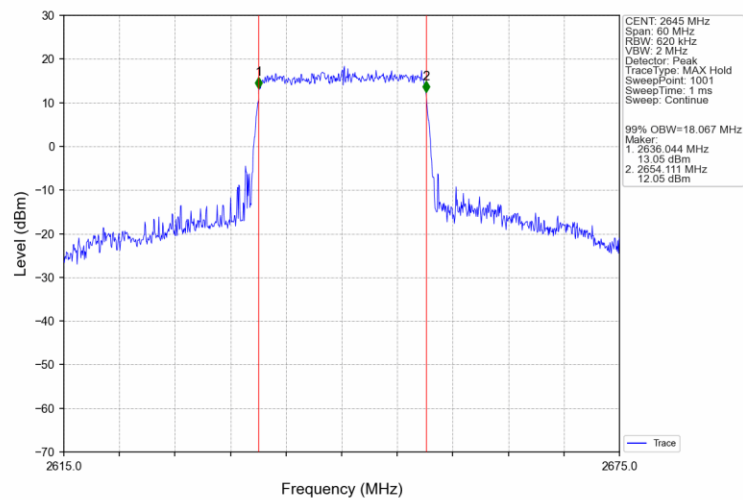
Band41\_20MHz\_16QAM\_LCH\_2565MHz\_RB\_100\_0\_NTNV



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

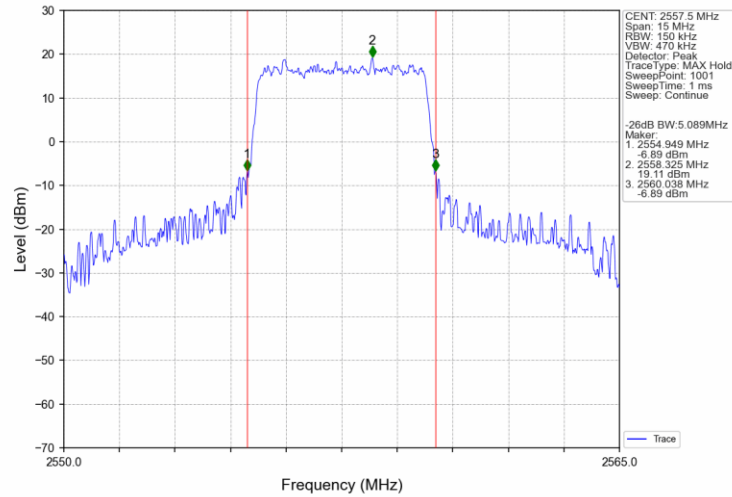


### Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV

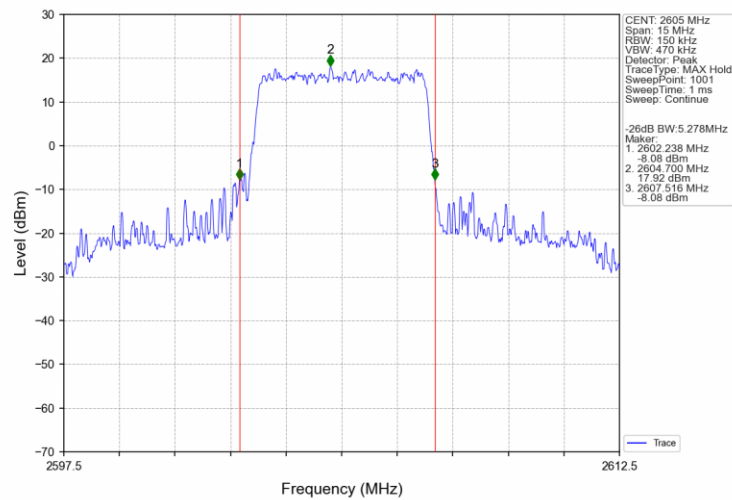


## 4.2.2 Band41\_XDB

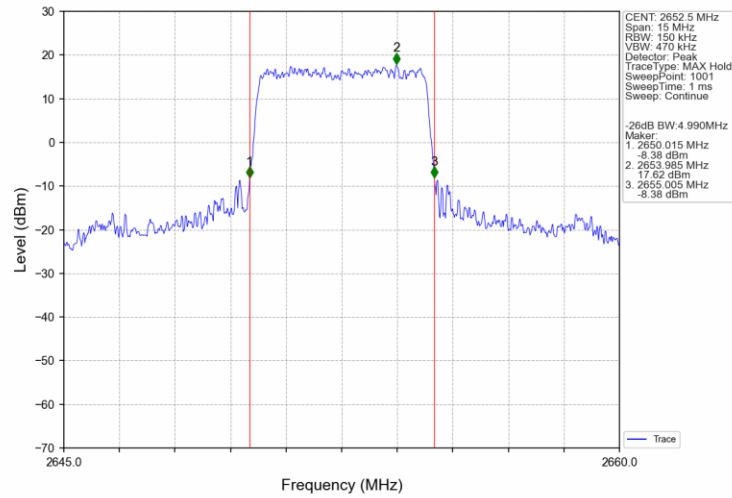
Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



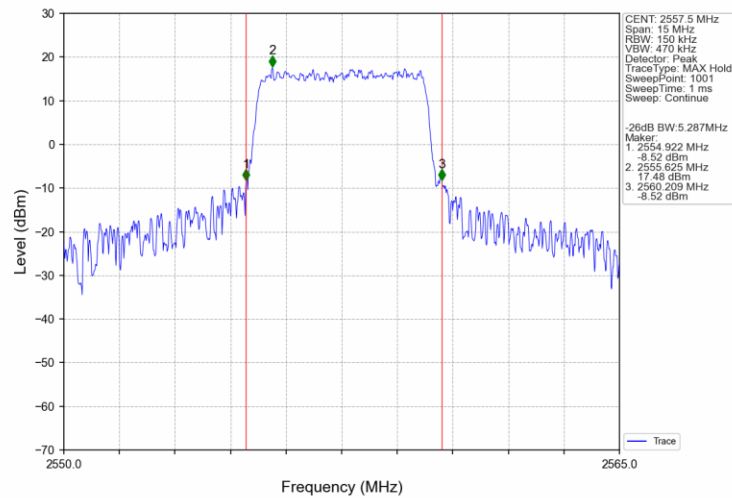
Band41\_5MHz\_QPSK\_MCH\_2605MHz\_RB\_25\_0\_NTNV



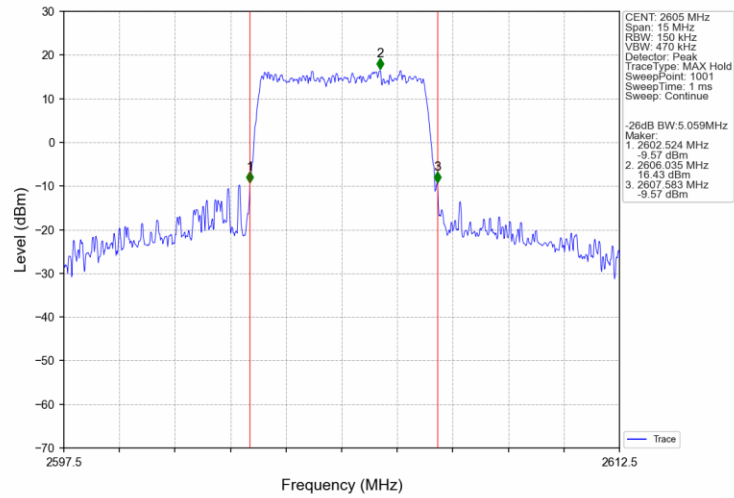
### Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



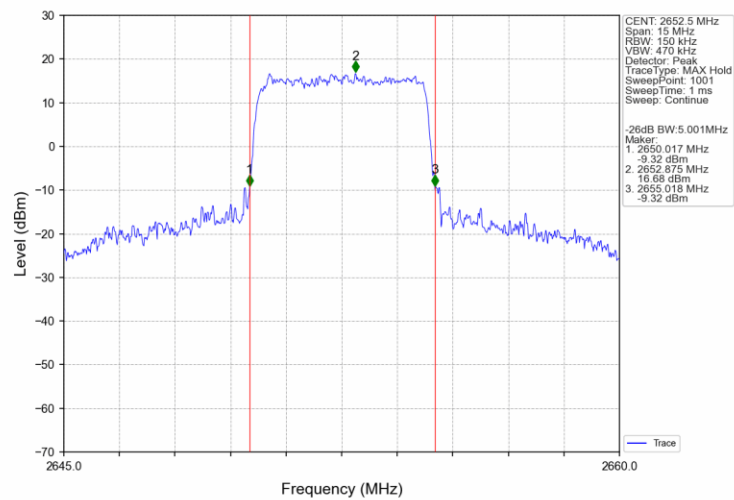
### Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



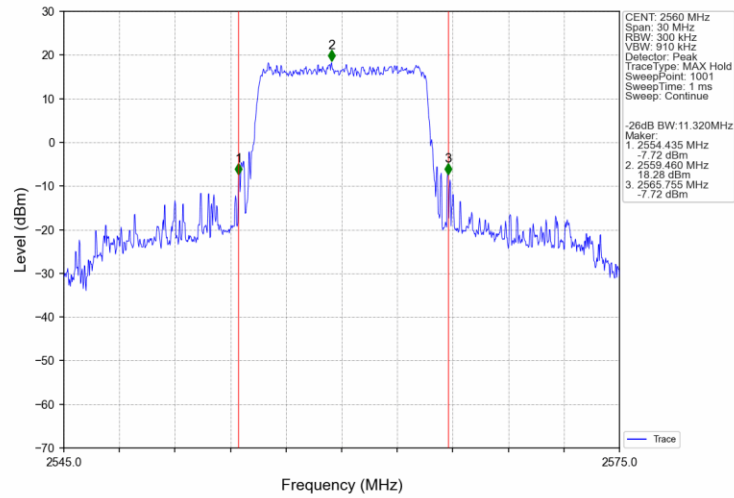
Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



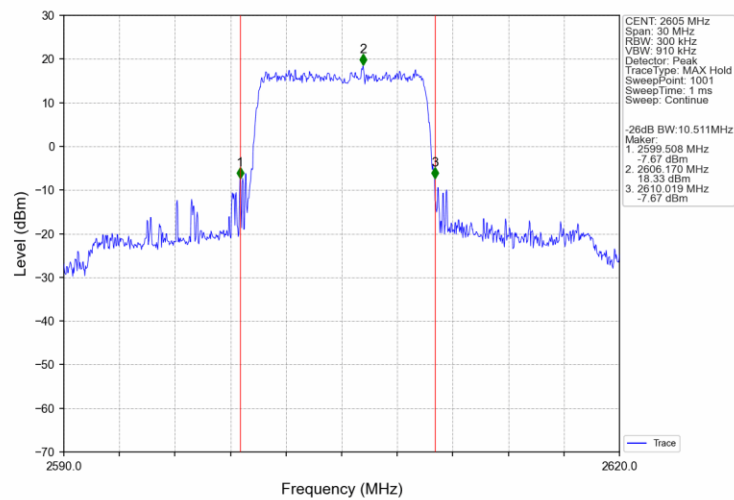
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



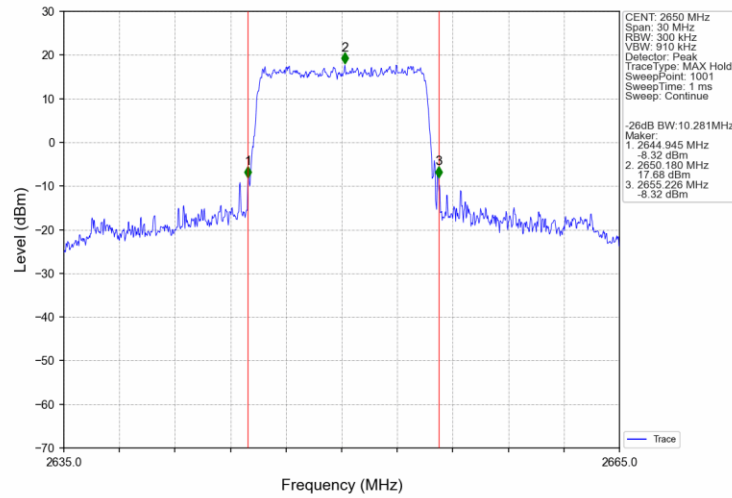
Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



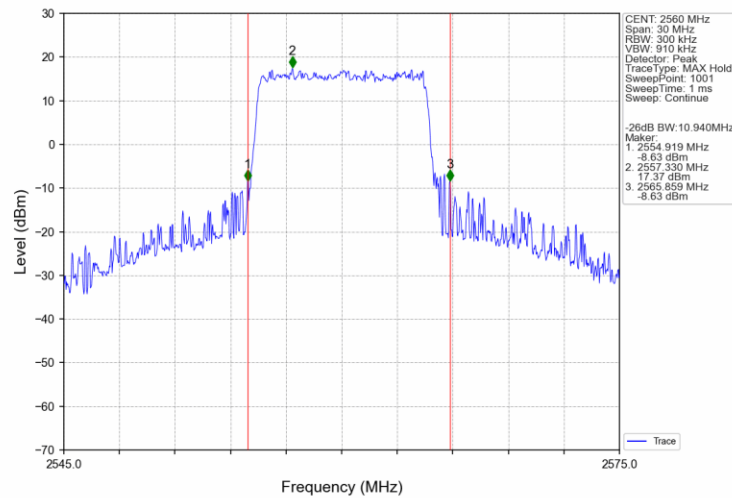
Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



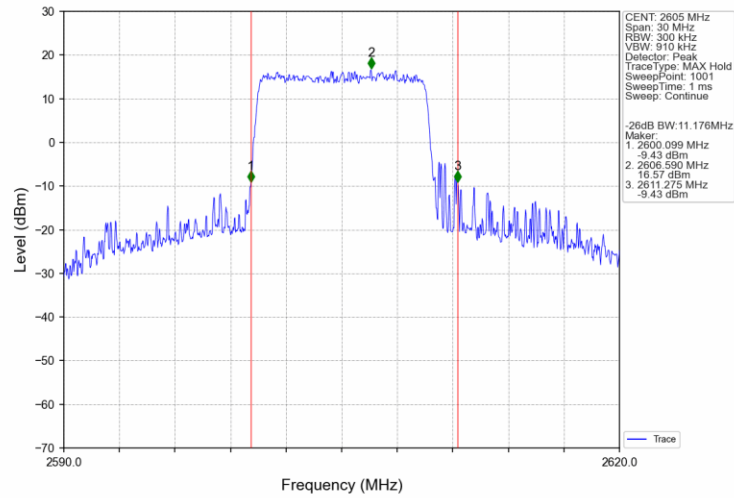
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



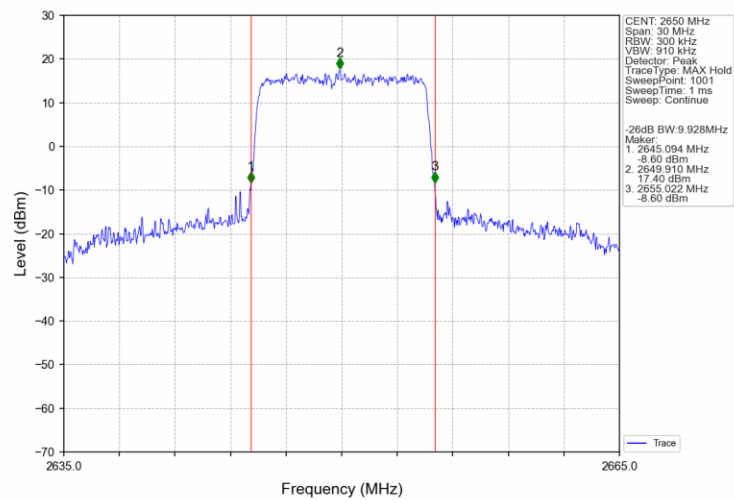
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



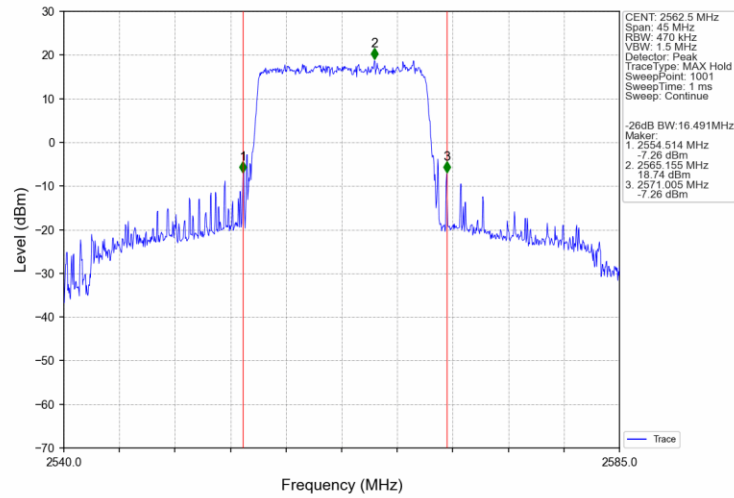
Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



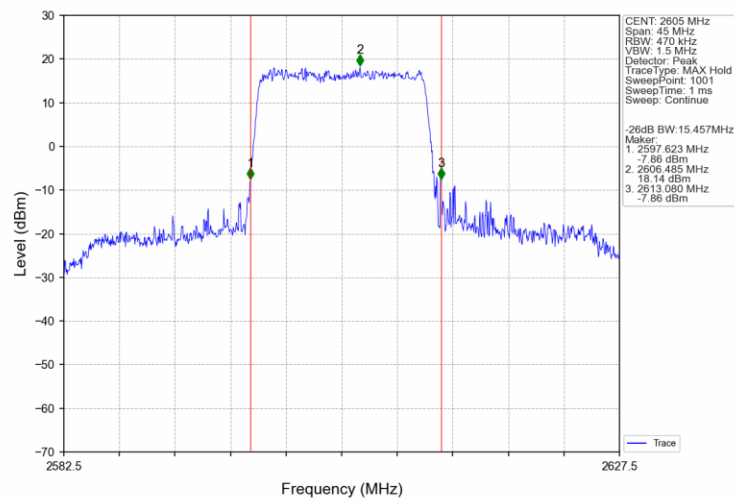
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



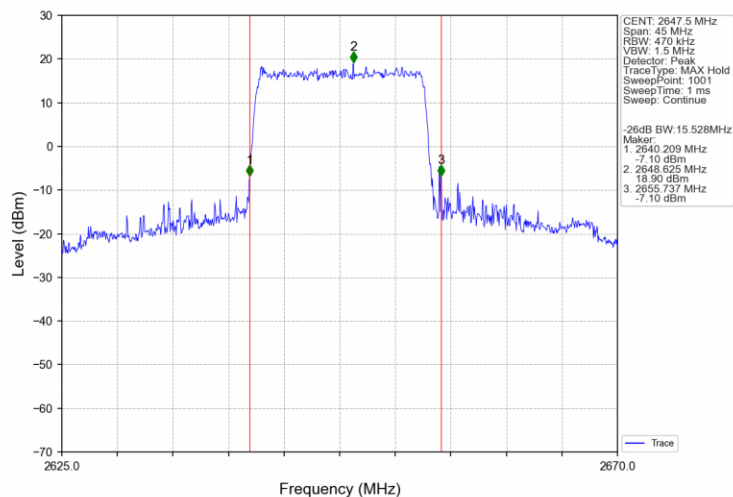
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



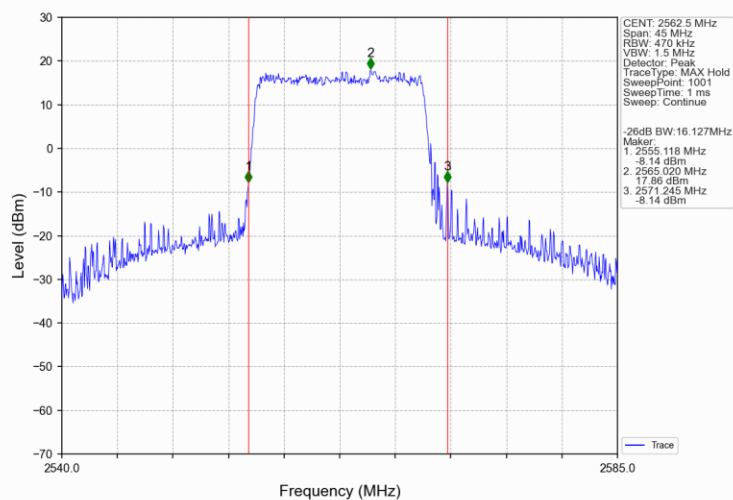
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



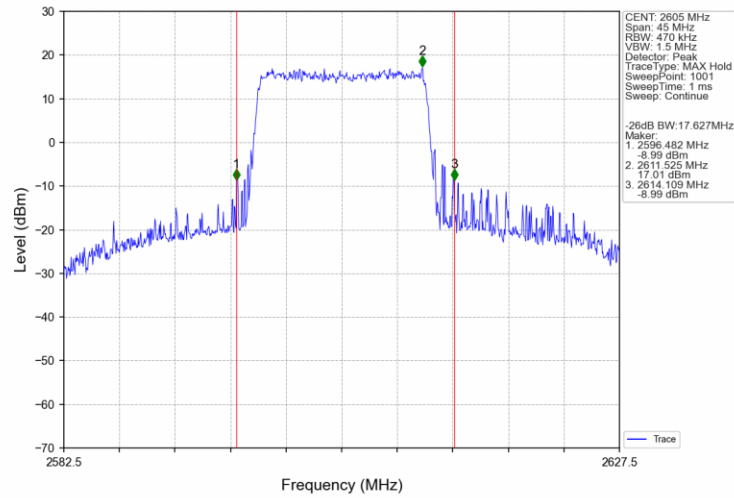
### Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



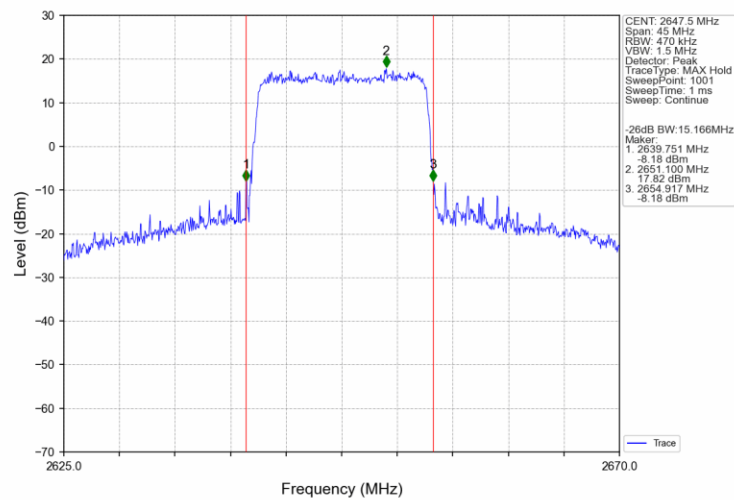
### Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



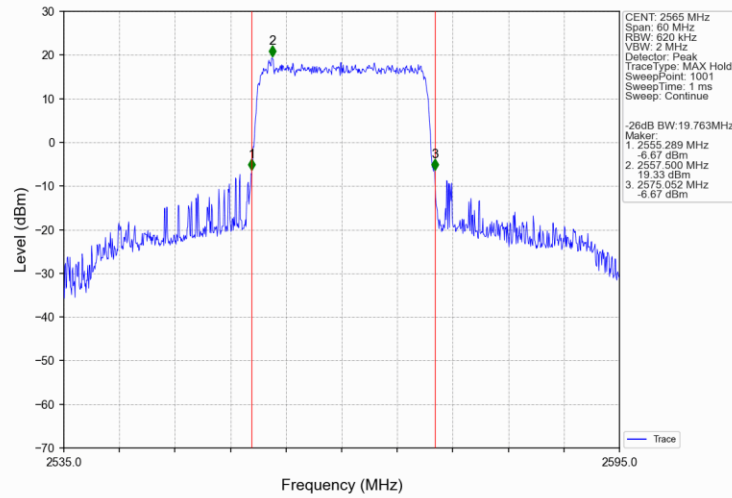
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



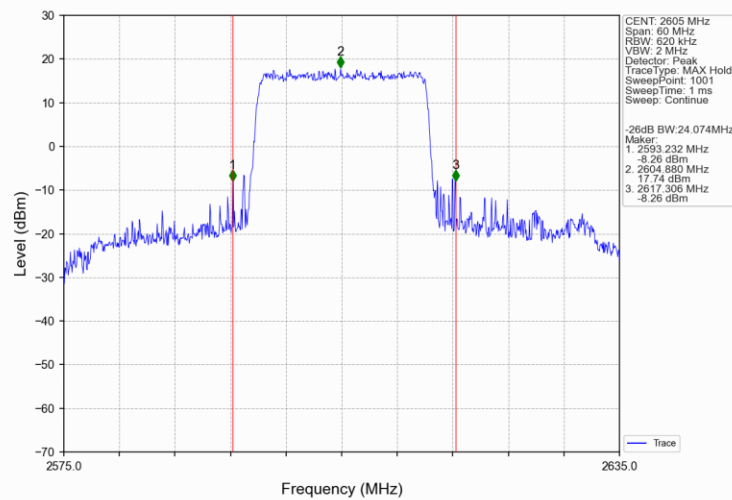
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



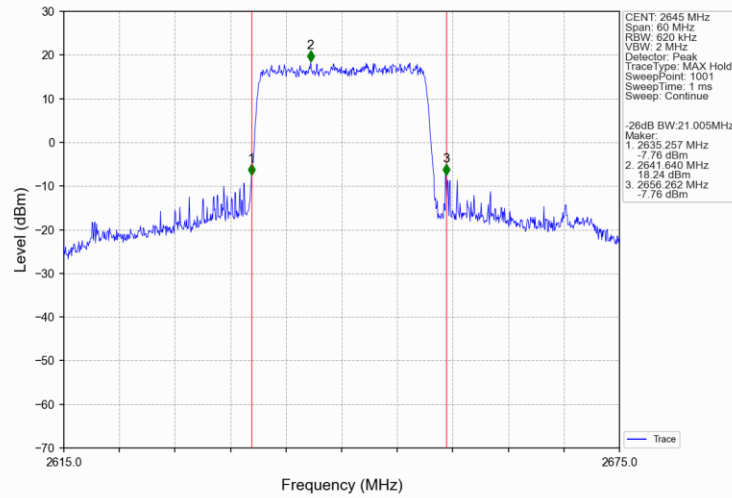
Band41\_20MHz\_QPSK\_LCH\_2565MHz\_RB\_100\_0\_NTNV



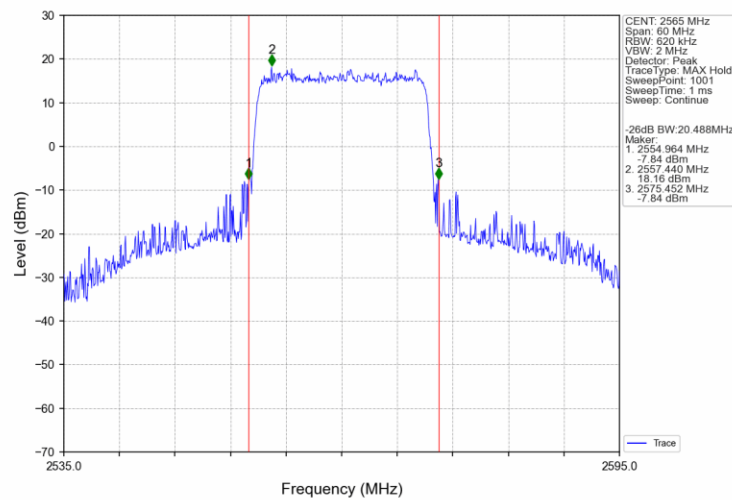
Band41\_20MHz\_QPSK\_MCH\_2605MHz\_RB\_100\_0\_NTNV



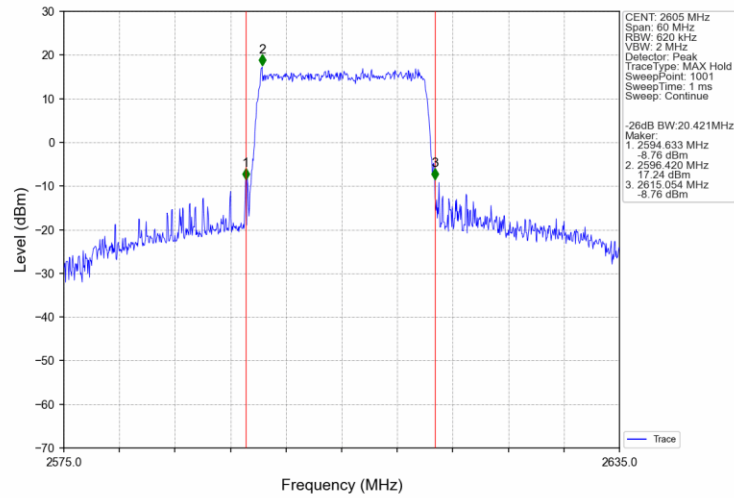
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



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

