

## **Appendix Test Data for LTE\_band\_41**

## 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      | 24.12                 | 2.88       | 27.00      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.11                 | 2.88       | 26.99      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.12                 | 2.88       | 27.00      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 23.08                 | 2.88       | 25.96      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 23.05                 | 2.88       | 25.93      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.04                 | 2.88       | 25.92      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 23.02                 | 2.88       | 25.90      | <=33.01 | Pass    |
|                                   | 2605            | 1             | 0      | 24.19                 | 2.88       | 27.07      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.21                 | 2.88       | 27.09      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.15                 | 2.88       | 27.03      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 23.04                 | 2.88       | 25.92      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 23.05                 | 2.88       | 25.93      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.01                 | 2.88       | 25.89      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 23.04                 | 2.88       | 25.92      | <=33.01 | Pass    |
|                                   | 2652.5          | 1             | 0      | 23.76                 | 2.88       | 26.64      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.74                 | 2.88       | 26.62      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.76                 | 2.88       | 26.64      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.71                 | 2.88       | 25.59      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.72                 | 2.88       | 25.60      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.73                 | 2.88       | 25.61      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.72                 | 2.88       | 25.60      | <=33.01 | Pass    |
| 16QAM                             | 2557.5          | 1             | 0      | 23.03                 | 2.88       | 25.91      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.02                 | 2.88       | 25.90      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.05                 | 2.88       | 25.93      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.99                 | 2.88       | 24.87      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.05                 | 2.88       | 24.93      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.95                 | 2.88       | 24.83      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.10                 | 2.88       | 24.98      | <=33.01 | Pass    |
|                                   | 2605            | 1             | 0      | 23.00                 | 2.88       | 25.88      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.06                 | 2.88       | 25.94      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.04                 | 2.88       | 25.92      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.06                 | 2.88       | 24.94      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.00                 | 2.88       | 24.88      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.02                 | 2.88       | 24.90      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.99                 | 2.88       | 24.87      | <=33.01 | Pass    |
|                                   | 2652.5          | 1             | 0      | 22.47                 | 2.88       | 25.35      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.46                 | 2.88       | 25.34      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.89                 | 2.88       | 25.77      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.73                 | 2.88       | 24.61      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.75                 | 2.88       | 24.63      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.77                 | 2.88       | 24.65      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.80                 | 2.88       | 24.68      | <=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      | 23.91                 | 2.88       | 26.79      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.97                 | 2.88       | 26.85      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 24.09                 | 2.88       | 26.97      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 23.00                 | 2.88       | 25.88      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 23.03                 | 2.88       | 25.91      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.04                 | 2.88       | 25.92      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 23.06                 | 2.88       | 25.94      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 23.96                 | 2.88       | 26.84      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 24.02                 | 2.88       | 26.90      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 24.05                 | 2.88       | 26.93      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 23.03                 | 2.88       | 25.91      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 23.00                 | 2.88       | 25.88      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.00                 | 2.88       | 25.88      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 23.04                 | 2.88       | 25.92      | <=33.01 | Pass    |
|                                    | 2650            | 1             | 0      | 23.76                 | 2.88       | 26.64      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.78                 | 2.88       | 26.66      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.74                 | 2.88       | 26.62      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.72                 | 2.88       | 25.60      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.71                 | 2.88       | 25.59      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.70                 | 2.88       | 25.58      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.74                 | 2.88       | 25.62      | <=33.01 | Pass    |
| 16QAM                              | 2560            | 1             | 0      | 22.86                 | 2.88       | 25.74      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.02                 | 2.88       | 25.90      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.76                 | 2.88       | 25.64      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.01                 | 2.88       | 24.89      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.00                 | 2.88       | 24.88      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.05                 | 2.88       | 24.93      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.05                 | 2.88       | 24.93      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 22.76                 | 2.88       | 25.64      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.91                 | 2.88       | 25.79      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.84                 | 2.88       | 25.72      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.05                 | 2.88       | 24.93      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.02                 | 2.88       | 24.90      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.03                 | 2.88       | 24.91      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.01                 | 2.88       | 24.89      | <=33.01 | Pass    |
|                                    | 2650            | 1             | 0      | 22.77                 | 2.88       | 25.65      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.78                 | 2.88       | 25.66      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.81                 | 2.88       | 25.69      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.70                 | 2.88       | 24.58      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.77                 | 2.88       | 24.65      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.70                 | 2.88       | 24.58      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.72                 | 2.88       | 24.60      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

| Band: 41 / Bandwidth: 15MHz / NTVN       |                 |               |        |                       |            |            |         |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                                     | 2562.5          | 1             | 0      | 23.96                 | 2.88       | 26.84      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 24.08                 | 2.88       | 26.96      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 24.03                 | 2.88       | 26.91      | <=33.01 | Pass    |         |      |
|                                          |                 | 36            | 0      | 22.91                 | 2.88       | 25.79      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 22.97                 | 2.88       | 25.85      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 23.02                 | 2.88       | 25.90      | <=33.01 | Pass    |         |      |
|                                          |                 | 75            | 0      | 23.01                 | 2.88       | 25.89      | <=33.01 | Pass    |         |      |
|                                          |                 | 2605          | 1      | 0                     | 23.82      | 2.88       | 26.70   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 38                    | 24.07      | 2.88       | 26.95   | <=33.01 | Pass    |      |
|                                          | 74              |               |        | 23.94                 | 2.88       | 26.82      | <=33.01 | Pass    |         |      |
|                                          | 36              |               | 0      | 22.97                 | 2.88       | 25.85      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 22.98                 | 2.88       | 25.86      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 22.95                 | 2.88       | 25.83      | <=33.01 | Pass    |         |      |
|                                          | 75              |               | 0      | 22.95                 | 2.88       | 25.83      | <=33.01 | Pass    |         |      |
|                                          | 2647.5          |               | 1      | 0                     | 23.69      | 2.88       | 26.57   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 38                    | 23.68      | 2.88       | 26.56   | <=33.01 | Pass    |      |
|                                          |                 | 74            |        | 23.57                 | 2.88       | 26.45      | <=33.01 | Pass    |         |      |
|                                          |                 | 36            | 0      | 22.71                 | 2.88       | 25.59      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 22.69                 | 2.88       | 25.57      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 22.65                 | 2.88       | 25.53      | <=33.01 | Pass    |         |      |
|                                          |                 | 75            | 0      | 22.76                 | 2.88       | 25.64      | <=33.01 | Pass    |         |      |
|                                          |                 | 16QAM         | 2562.5 | 1                     | 0          | 22.76      | 2.88    | 25.64   | <=33.01 | Pass |
|                                          |                 |               |        |                       | 38         | 23.10      | 2.88    | 25.98   | <=33.01 | Pass |
|                                          | 74              |               |        |                       | 23.12      | 2.88       | 26.00   | <=33.01 | Pass    |      |
| 36                                       | 0               |               |        | 21.94                 | 2.88       | 24.82      | <=33.01 | Pass    |         |      |
|                                          | 18              |               |        | 21.95                 | 2.88       | 24.83      | <=33.01 | Pass    |         |      |
|                                          | 39              |               |        | 22.03                 | 2.88       | 24.91      | <=33.01 | Pass    |         |      |
| 75                                       | 0               |               |        | 21.96                 | 2.88       | 24.84      | <=33.01 | Pass    |         |      |
| 2605                                     | 1               |               |        | 0                     | 22.93      | 2.88       | 25.81   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 38                    | 23.05      | 2.88       | 25.93   | <=33.01 | Pass    |      |
|                                          |                 |               | 74     | 23.18                 | 2.88       | 26.06      | <=33.01 | Pass    |         |      |
|                                          | 36              |               | 0      | 21.97                 | 2.88       | 24.85      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 21.99                 | 2.88       | 24.87      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 22.00                 | 2.88       | 24.88      | <=33.01 | Pass    |         |      |
|                                          | 75              |               | 0      | 22.01                 | 2.88       | 24.89      | <=33.01 | Pass    |         |      |
|                                          | 2647.5          |               | 1      | 0                     | 22.61      | 2.88       | 25.49   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 38                    | 22.62      | 2.88       | 25.50   | <=33.01 | Pass    |      |
| 74                                       |                 |               |        | 22.50                 | 2.88       | 25.38      | <=33.01 | Pass    |         |      |
| 36                                       |                 |               | 0      | 21.72                 | 2.88       | 24.60      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 21.67                 | 2.88       | 24.55      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 21.69                 | 2.88       | 24.57      | <=33.01 | Pass    |         |      |
| 75                                       |                 |               | 0      | 21.72                 | 2.88       | 24.60      | <=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      | 23.83                 | 2.88       | 26.71      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.90                 | 2.88       | 26.78      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.92                 | 2.88       | 26.80      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.99                 | 2.88       | 25.87      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.99                 | 2.88       | 25.87      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.03                 | 2.88       | 25.91      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.98                 | 2.88       | 25.86      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 23.75                 | 2.88       | 26.63      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 24.05                 | 2.88       | 26.93      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.88                 | 2.88       | 26.76      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.95                 | 2.88       | 25.83      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.01                 | 2.88       | 25.89      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.03                 | 2.88       | 25.91      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 23.01                 | 2.88       | 25.89      | <=33.01 | Pass    |
|                                    | 2645            | 1             | 0      | 23.72                 | 2.88       | 26.60      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.79                 | 2.88       | 26.67      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.66                 | 2.88       | 26.54      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.76                 | 2.88       | 25.64      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.77                 | 2.88       | 25.65      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.75                 | 2.88       | 25.63      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.78                 | 2.88       | 25.66      | <=33.01 | Pass    |
| 16QAM                              | 2565            | 1             | 0      | 22.96                 | 2.88       | 25.84      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.23                 | 2.88       | 26.11      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.61                 | 2.88       | 25.49      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.97                 | 2.88       | 24.85      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.98                 | 2.88       | 24.86      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.06                 | 2.88       | 24.94      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.00                 | 2.88       | 24.88      | <=33.01 | Pass    |
|                                    | 2605            | 1             | 0      | 22.95                 | 2.88       | 25.83      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.73                 | 2.88       | 25.61      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.70                 | 2.88       | 25.58      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.91                 | 2.88       | 24.79      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.01                 | 2.88       | 24.89      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.93                 | 2.88       | 24.81      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.95                 | 2.88       | 24.83      | <=33.01 | Pass    |
|                                    | 2645            | 1             | 0      | 22.97                 | 2.88       | 25.85      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.69                 | 2.88       | 25.57      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.61                 | 2.88       | 25.49      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.78                 | 2.88       | 24.66      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.76                 | 2.88       | 24.64      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.72                 | 2.88       | 24.60      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.76                 | 2.88       | 24.64      | <=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          | 3.233            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 6.309            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.715            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 0.801            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -4.663           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.908           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.160            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 6.695            | 0.0026                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 10.443           | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 0.143            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.519           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            | 2605            | 25            | 0      | 20         | 3.27          | 11.401           | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 8.826            | 0.0034                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 6.037            | 0.0023                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 0.043            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 5.493            | 0.0021                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 3.777            | 0.0014                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 5.722            | 0.0022                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 6.566            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -5.679           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 5.722            | 0.0022                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 2.532            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            | 2652.5          | 25            | 0      | 20         | 3.27          | 4.163            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.493           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.772            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 14.105           | 0.0053                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 4.578            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 4.020            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -8.497           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -0.887           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 11.373           | 0.0043                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 3.047            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 7.210            | 0.0027                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2557.5          | 25            | 0      | 20         | 3.27          | -0.272           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.435           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.134           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 10.400           | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 10.643           | 0.0042                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 2.275            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 1.688            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 4.091            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 5.937            | 0.0023                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -1.516           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 14.048           | 0.0055                | -2.5 to 2.5 | Pass    |
|                            | 2605            | 25            | 0      | 20         | 3.27          | 5.722            | 0.0022                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.945           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 10.343           | 0.0040                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.918           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 12.889           | 0.0049                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.844            | 0.0003                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |        |         |             |      |
|--|--------|----|---|-----|------|--------|---------|-------------|------|
|  |        |    |   | 0   | 3.85 | -0.386 | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 6.194  | 0.0024  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 6.938  | 0.0027  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 4.807  | 0.0018  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 7.753  | 0.0030  | -2.5 to 2.5 | Pass |
|  | 2652.5 | 25 | 0 | 20  | 3.27 | 0.572  | 0.0002  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 0.429  | 0.0002  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 2.775  | 0.0010  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 5.164  | 0.0019  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 0.200  | 0.0001  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 3.963  | 0.0015  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -1.817 | -0.0007 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -0.801 | -0.0003 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -0.229 | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 6.723  | 0.0025  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 1.402  | 0.0005  | -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          | 1.488            | 0.0006                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 4.935            | 0.0019                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 4.807            | 0.0019                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 0.772            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -3.433           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 4.334            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 2.789            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 6.781            | 0.0026                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 7.539            | 0.0029                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 6.280            | 0.0025                | -2.5 to 2.5 | Pass    |
|                             | 2605            | 50            | 0      | 50         | 3.85          | 3.762            | 0.0015                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 20         | 3.27          | 5.450            | 0.0021                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 3.920            | 0.0015                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 6.208            | 0.0024                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 4.134            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 0.243            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 1.802            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 8.326            | 0.0032                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -0.758           | -0.0003               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 1.731            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             | 2650            | 50            | 0      | 40         | 3.85          | 1.845            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 6.723            | 0.0026                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 20         | 3.27          | 7.882            | 0.0030                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 2.418            | 0.0009                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -1.745           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 4.621            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 1.631            | 0.0006                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -1.502           | -0.0006               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -3.004           | -0.0011               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 3.476            | 0.0013                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 2560            | 50            | 0      | 20         | 3.27          | 0.944            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -1.101           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -1.845           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 3.333            | 0.0013                | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |        |         |             |      |
|--|------|----|---|-----|------|--------|---------|-------------|------|
|  |      |    |   | -30 | 3.85 | -4.892 | -0.0019 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -3.319 | -0.0013 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | 2.489  | 0.0010  | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | 0.644  | 0.0003  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | 4.592  | 0.0018  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | 5.078  | 0.0020  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -4.005 | -0.0016 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | 2.875  | 0.0011  | -2.5 to 2.5 | Pass |
|  | 2605 | 50 | 0 | 20  | 3.27 | -0.014 | 0.0000  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | 5.279  | 0.0020  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | 3.247  | 0.0012  | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -0.658 | -0.0003 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | 2.947  | 0.0011  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | 4.907  | 0.0019  | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -2.332 | -0.0009 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -0.358 | -0.0001 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | 9.727  | 0.0037  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | 3.133  | 0.0012  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -1.101 | -0.0004 | -2.5 to 2.5 | Pass |
|  | 2650 | 50 | 0 | 20  | 3.27 | -3.262 | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -4.277 | -0.0016 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | 4.578  | 0.0017  | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | 2.260  | 0.0009  | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -4.234 | -0.0016 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -2.489 | -0.0009 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -0.715 | -0.0003 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | 1.531  | 0.0006  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | 3.419  | 0.0013  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | 6.166  | 0.0023  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -1.230 | -0.0005 | -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          | 8.583            | 0.0033                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 5.479            | 0.0021                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 4.592            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 0.672            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -8.068           | -0.0031               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 9.470            | 0.0037                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 6.609            | 0.0026                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 5.350            | 0.0021                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 4.821            | 0.0019                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 3.462            | 0.0014                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 5.236            | 0.0020                | -2.5 to 2.5 | Pass    |
|                             | 2605            | 75            | 0      | 20         | 3.27          | 4.349            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 4.106            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -4.234           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 0.443            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 2.275            | 0.0009                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 8.698            | 0.0033                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 9.198            | 0.0035                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 2.017            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 1.287            | 0.0005                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 4.349            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 8.054            | 0.0031                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       | 2647.5 | 75 | 0 | 20  | 3.27 | 5.779  | 0.0022  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.931  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 3.991  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 0.043  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 1.659  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 7.982  | 0.0030  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 4.907  | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 3.490  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 0.243  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -1.974 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -3.319 | -0.0013 | -2.5 to 2.5 | Pass |
| 16QAM | 2562.5 | 75 | 0 | 20  | 3.27 | 0.014  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 6.866  | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 7.968  | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 7.210  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 3.104  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.646  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.675  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.445  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 3.734  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 8.125  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 4.106  | 0.0016  | -2.5 to 2.5 | Pass |
|       | 2605   | 75 | 0 | 20  | 3.27 | 7.396  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 5.507  | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 9.170  | 0.0035  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 3.791  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 5.493  | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 0.787  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 8.368  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 8.669  | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 8.368  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 5.693  | 0.0022  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -2.146 | -0.0008 | -2.5 to 2.5 | Pass |
|       | 2647.5 | 75 | 0 | 20  | 3.27 | 2.103  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 3.662  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 3.905  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 7.310  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.215  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 6.437  | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 5.307  | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.988  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 4.549  | 0.0017  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 4.635  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -0.558 | -0.0002 | -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          | 4.048            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 4.907            | 0.0019                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 3.304            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 3.977            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 1.044            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 2.418            | 0.0009                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 4.563            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 9.012            | 0.0035                | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |        |         |             |      |
|-------|------|-----|---|-----|------|--------|---------|-------------|------|
|       |      |     |   | 30  | 3.85 | -2.718 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -1.187 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 3.376  | 0.0013  | -2.5 to 2.5 | Pass |
|       | 2605 | 100 | 0 | 20  | 3.27 | 6.380  | 0.0024  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 1.488  | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 5.608  | 0.0022  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 2.174  | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 3.891  | 0.0015  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 7.997  | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 3.791  | 0.0015  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 5.150  | 0.0020  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 5.465  | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 8.426  | 0.0032  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 6.838  | 0.0026  | -2.5 to 2.5 | Pass |
|       | 2645 | 100 | 0 | 20  | 3.27 | 1.974  | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 11.401 | 0.0043  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 1.302  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 5.794  | 0.0022  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -1.245 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 5.407  | 0.0020  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -0.315 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 6.623  | 0.0025  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 3.376  | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 2.561  | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 0.615  | 0.0002  | -2.5 to 2.5 | Pass |
| 16QAM | 2565 | 100 | 0 | 20  | 3.27 | 6.309  | 0.0025  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 1.731  | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -0.029 | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 2.160  | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 1.159  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -1.116 | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 10.371 | 0.0040  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 8.826  | 0.0034  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 4.034  | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 2.646  | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 8.283  | 0.0032  | -2.5 to 2.5 | Pass |
|       | 2605 | 100 | 0 | 20  | 3.27 | -0.544 | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 2.289  | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 3.304  | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 2.789  | 0.0011  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 1.116  | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 8.926  | 0.0034  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 7.267  | 0.0028  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 8.254  | 0.0032  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -1.917 | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 7.725  | 0.0030  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 8.154  | 0.0031  | -2.5 to 2.5 | Pass |
|       | 2645 | 100 | 0 | 20  | 3.27 | 8.025  | 0.0030  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -1.087 | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 0.014  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -0.300 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 3.977  | 0.0015  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 3.061  | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 3.104  | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -0.300 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 4.263  | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -1.273 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 5.636  | 0.0021  | -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

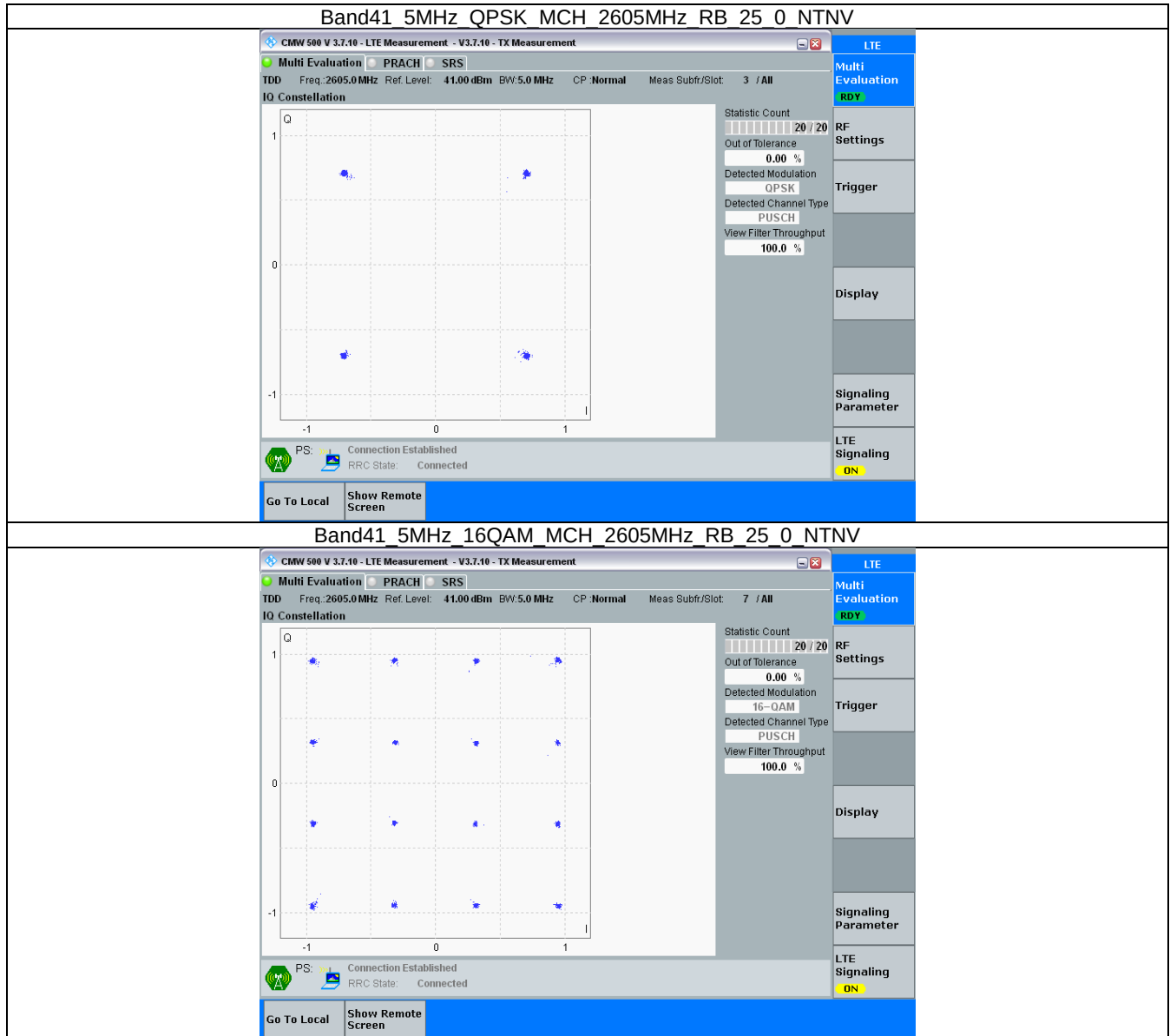
| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency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

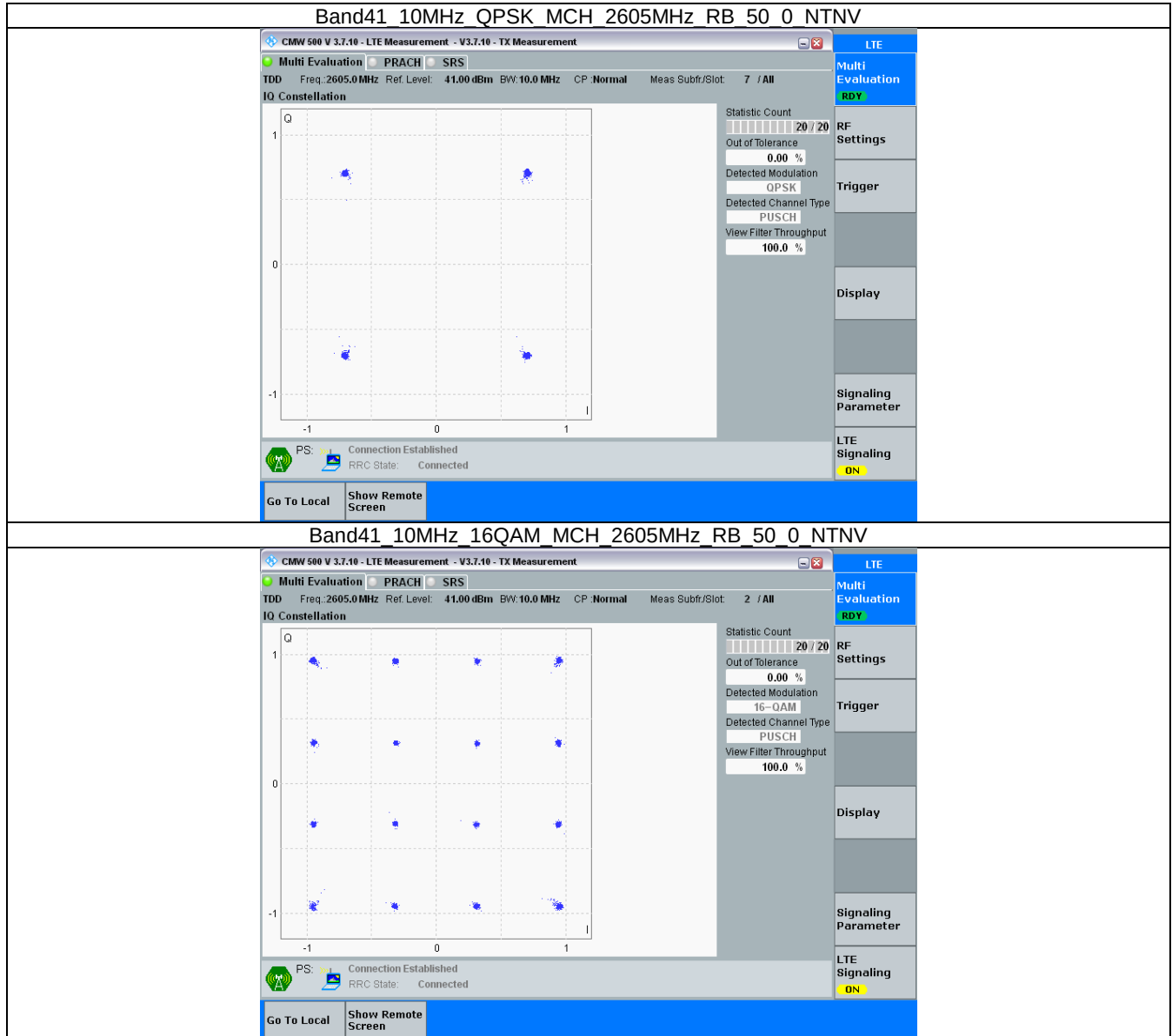
| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency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

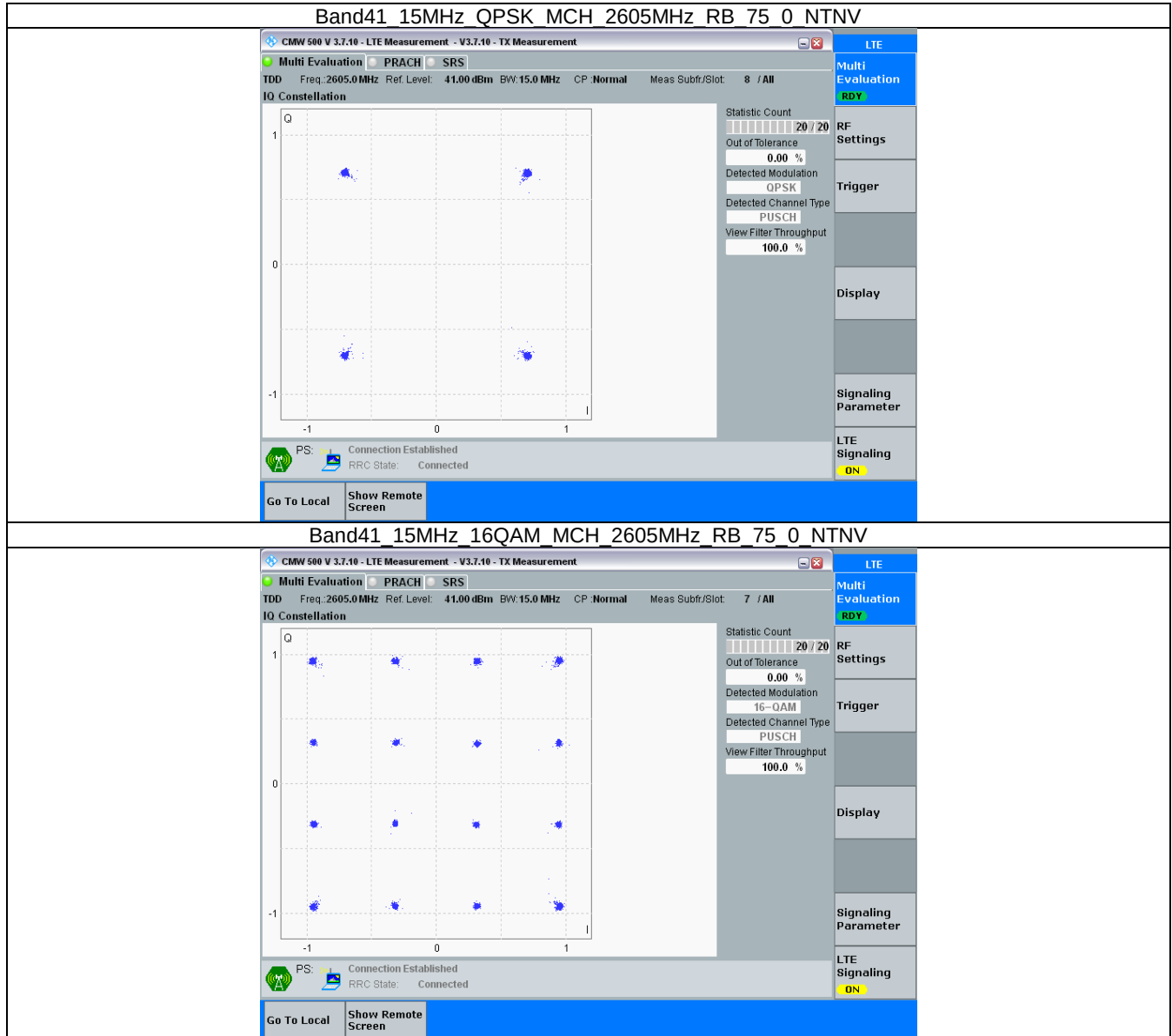
### 3.2.1 B41\_5MHz



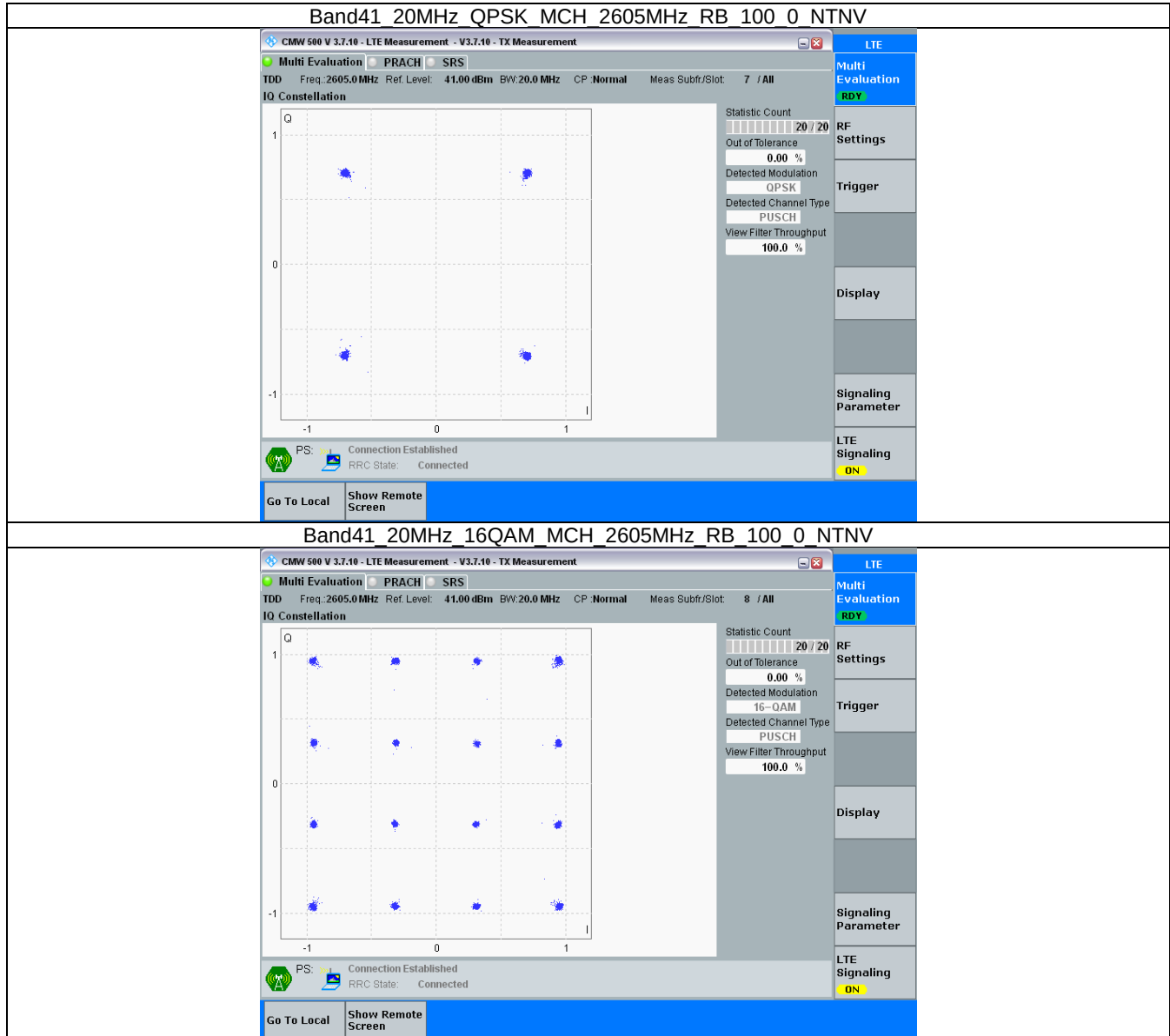
### 3.2.2 B41\_10MHz



### 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      | 4.474                        | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.493                        | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.477                        | /     | Pass    |
|                 | 16QAM      | 2557.5          | 25            | 0      | 4.466                        | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.465                        | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.468                        | /     | Pass    |
| 10              | QPSK       | 2560            | 50            | 0      | 8.953                        | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 8.952                        | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 8.960                        | /     | Pass    |
|                 | 16QAM      | 2560            | 50            | 0      | 8.955                        | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 8.960                        | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 8.970                        | /     | Pass    |
| 15              | QPSK       | 2562.5          | 75            | 0      | 13.409                       | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 13.390                       | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.417                       | /     | Pass    |
|                 | 16QAM      | 2562.5          | 75            | 0      | 13.427                       | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 13.433                       | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.429                       | /     | Pass    |
| 20              | QPSK       | 2565            | 100           | 0      | 17.848                       | /     | Pass    |
|                 |            | 2605            | 100           | 0      | 17.875                       | /     | Pass    |
|                 |            | 2645            | 100           | 0      | 17.929                       | /     | Pass    |
|                 | 16QAM      | 2565            | 100           | 0      | 17.876                       | /     | Pass    |
|                 |            | 2605            | 100           | 0      | 17.917                       | /     | Pass    |
|                 |            | 2645            | 100           | 0      | 17.899                       | /     | Pass    |

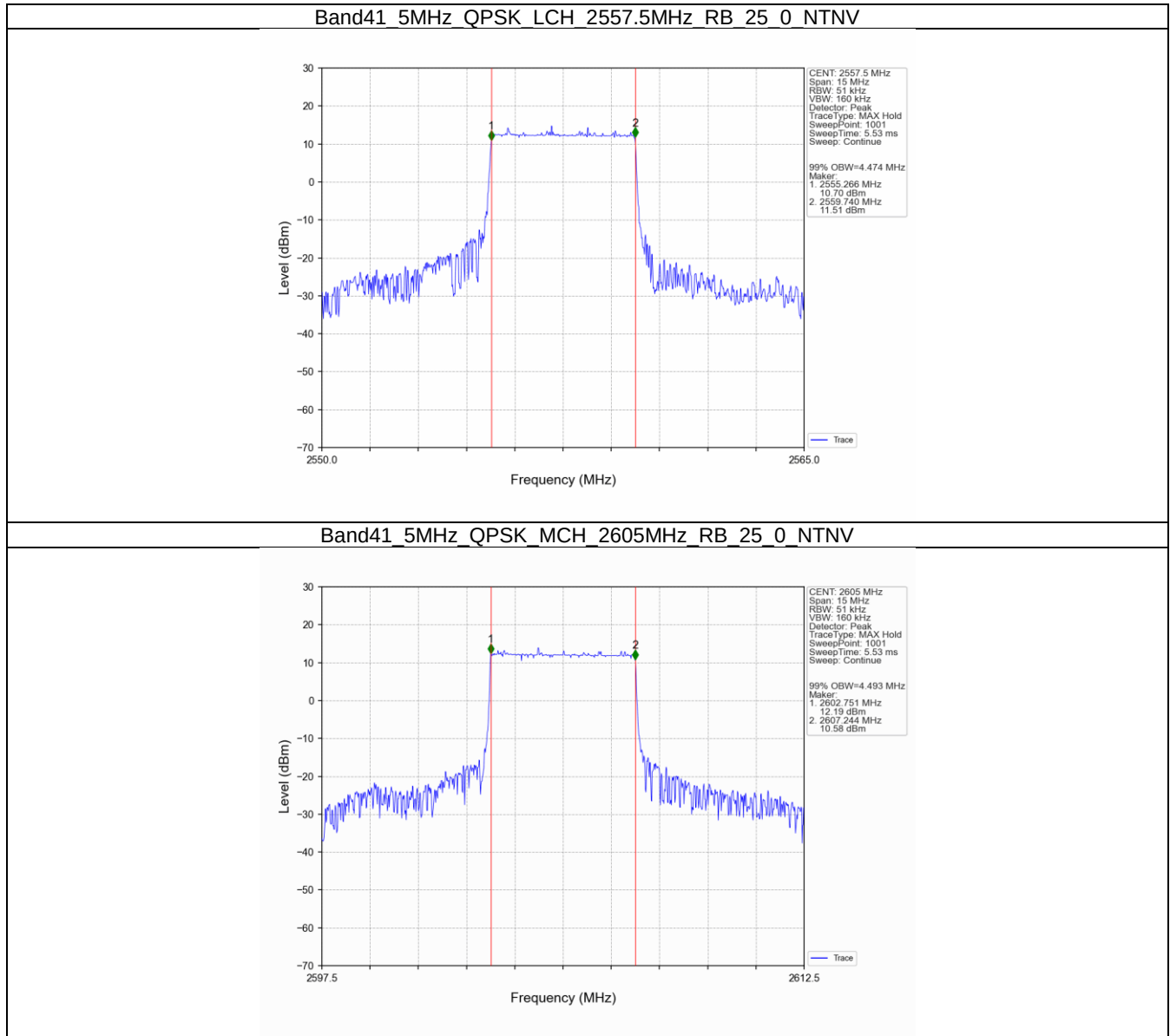
#### 4.1.2 Band41\_XDB

| Band: 41 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2557.5          | 25            | 0      | 4.828                | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.798                | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.879                | /     | Pass    |
|                 | 16QAM      | 2557.5          | 25            | 0      | 4.849                | /     | Pass    |
|                 |            | 2605            | 25            | 0      | 4.822                | /     | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.812                | /     | Pass    |
| 10              | QPSK       | 2560            | 50            | 0      | 9.728                | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 9.655                | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 10.248               | /     | Pass    |
|                 | 16QAM      | 2560            | 50            | 0      | 9.497                | /     | Pass    |
|                 |            | 2605            | 50            | 0      | 10.155               | /     | Pass    |
|                 |            | 2650            | 50            | 0      | 9.734                | /     | Pass    |
| 15              | QPSK       | 2562.5          | 75            | 0      | 14.498               | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 14.339               | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 14.563               | /     | Pass    |
|                 | 16QAM      | 2562.5          | 75            | 0      | 14.808               | /     | Pass    |
|                 |            | 2605            | 75            | 0      | 14.340               | /     | Pass    |
|                 |            | 2647.5          | 75            | 0      | 14.375               | /     | Pass    |
| 20              | QPSK       | 2565            | 100           | 0      | 19.053               | /     | Pass    |

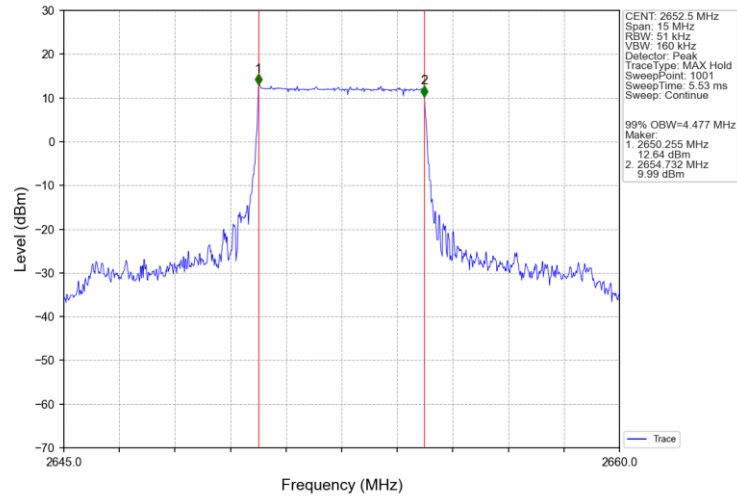
|  |       |      |     |   |        |   |      |
|--|-------|------|-----|---|--------|---|------|
|  |       | 2605 | 100 | 0 | 18.904 | / | Pass |
|  |       | 2645 | 100 | 0 | 19.143 | / | Pass |
|  | 16QAM | 2565 | 100 | 0 | 18.933 | / | Pass |
|  |       | 2605 | 100 | 0 | 20.372 | / | Pass |
|  |       | 2645 | 100 | 0 | 19.014 | / | Pass |

## 4.2 Test Graph

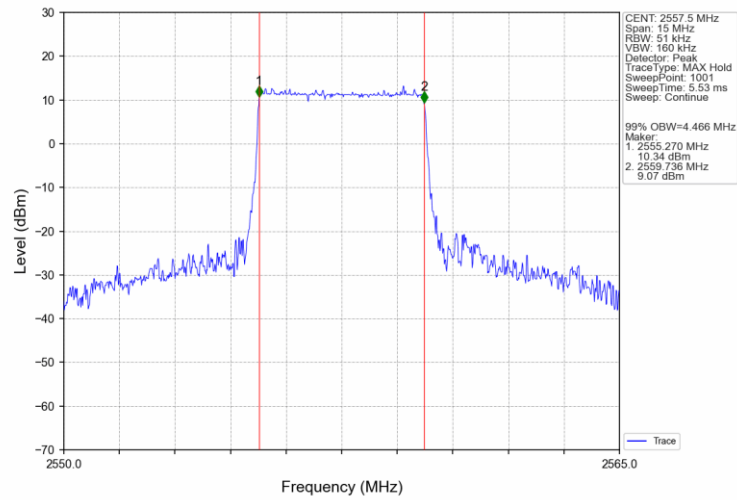
### 4.2.1 Band41\_OBW



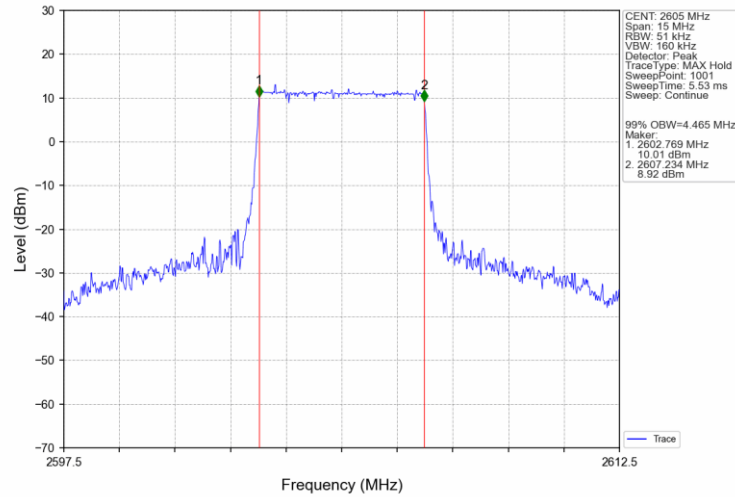
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



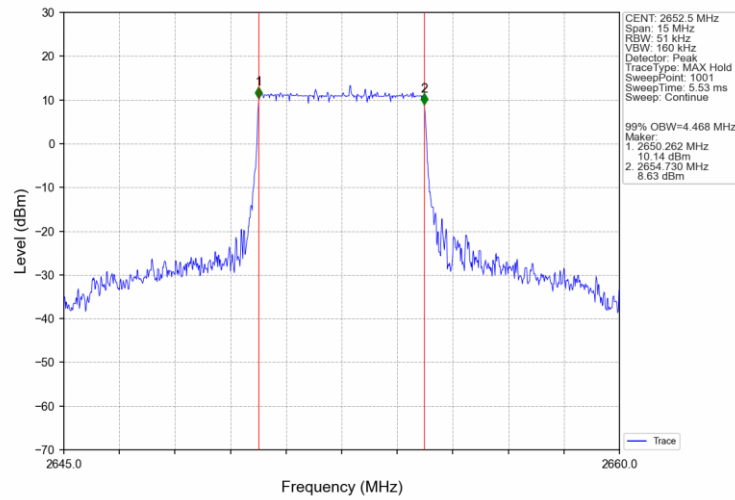
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



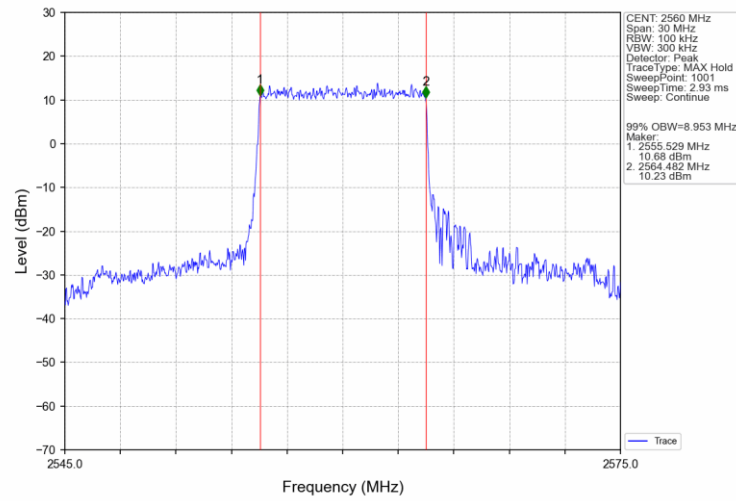
Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



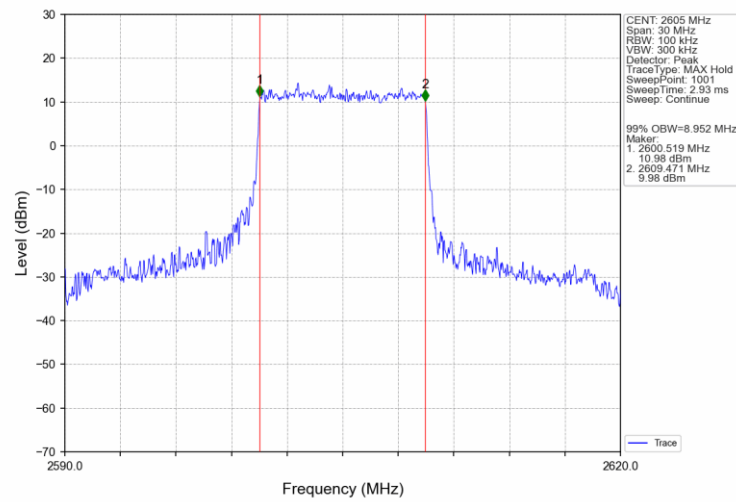
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



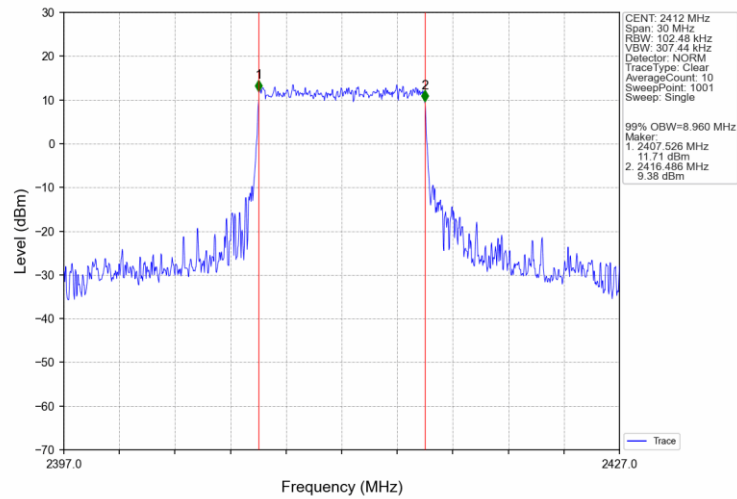
### Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



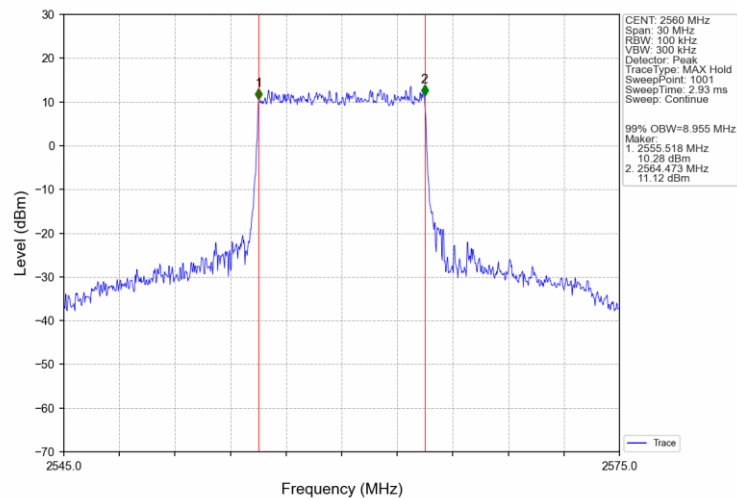
### Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



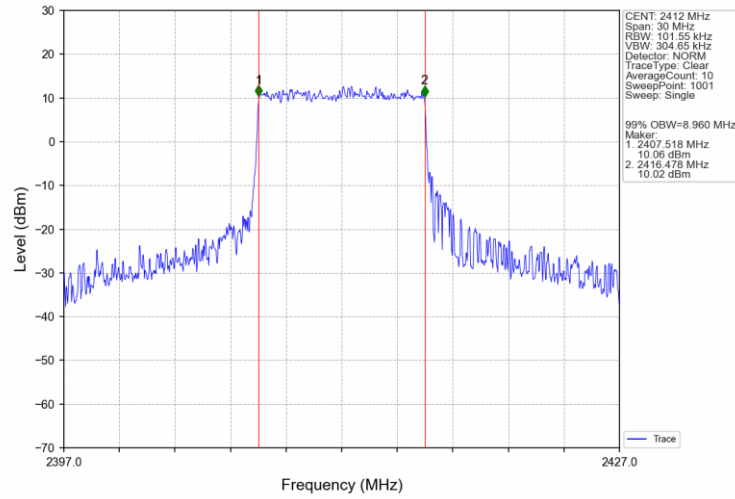
### Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



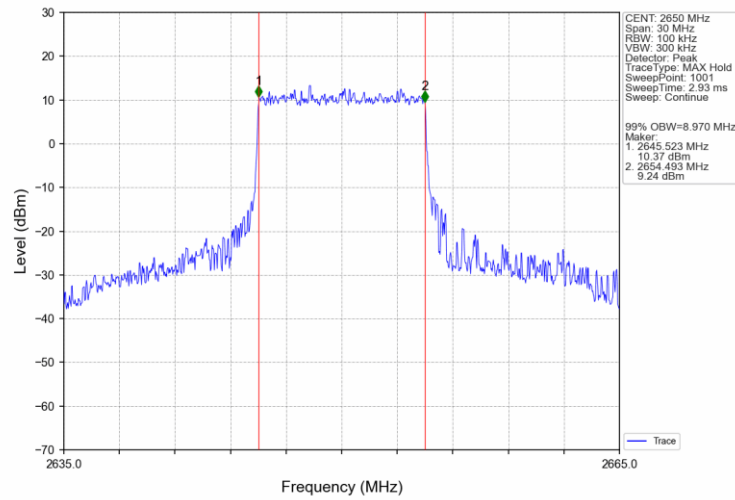
### Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



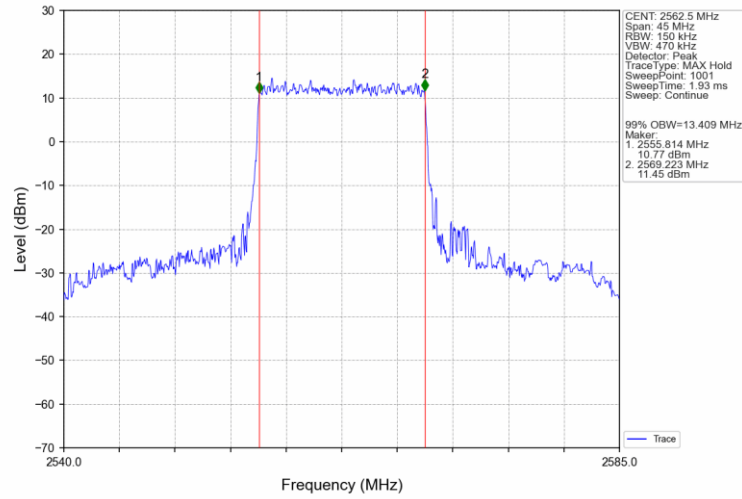
Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



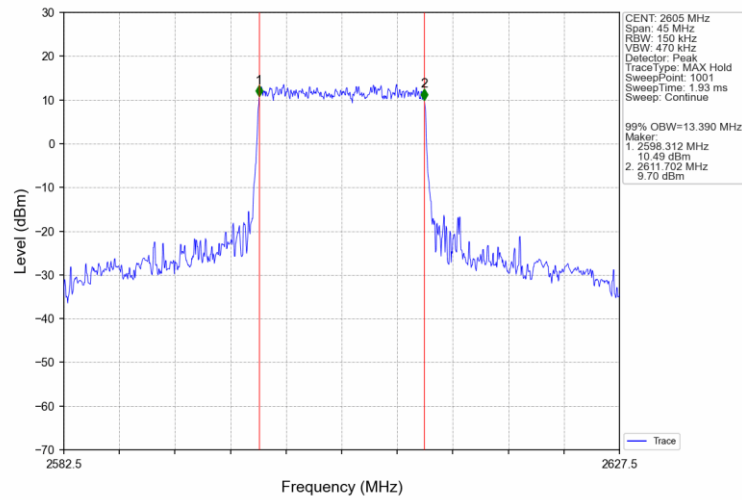
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



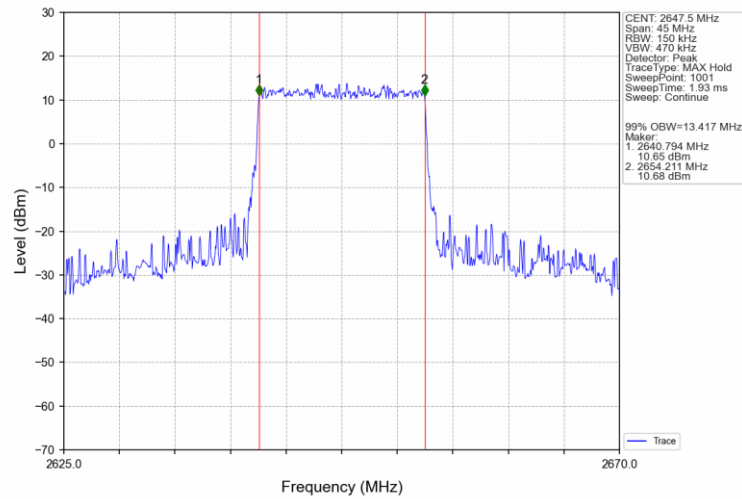
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



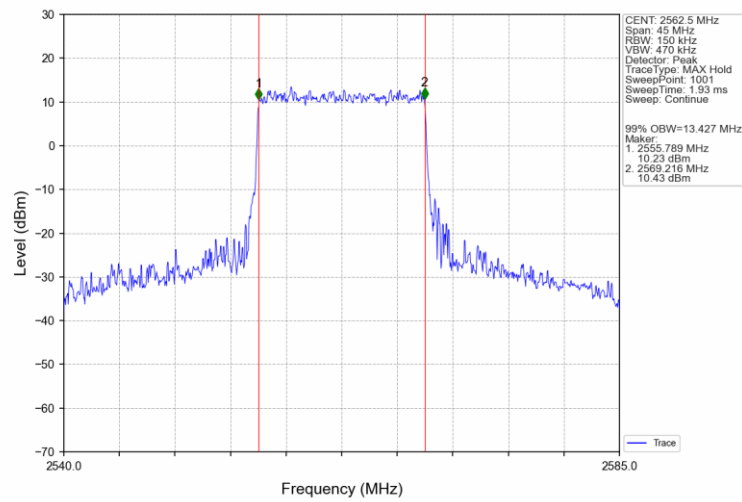
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



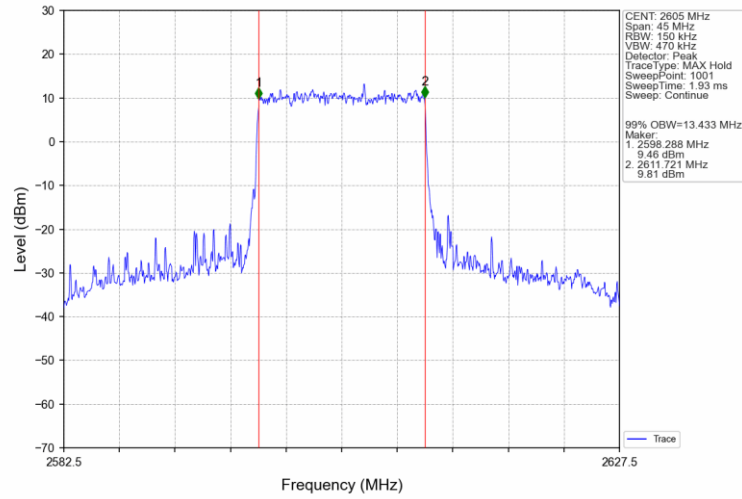
Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



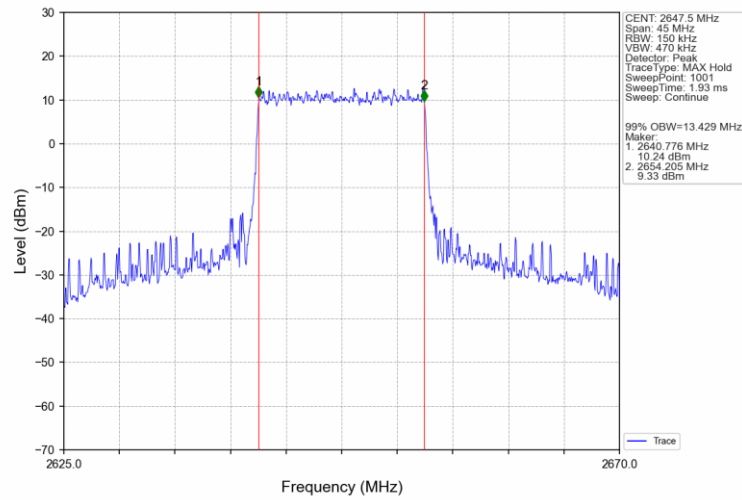
Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



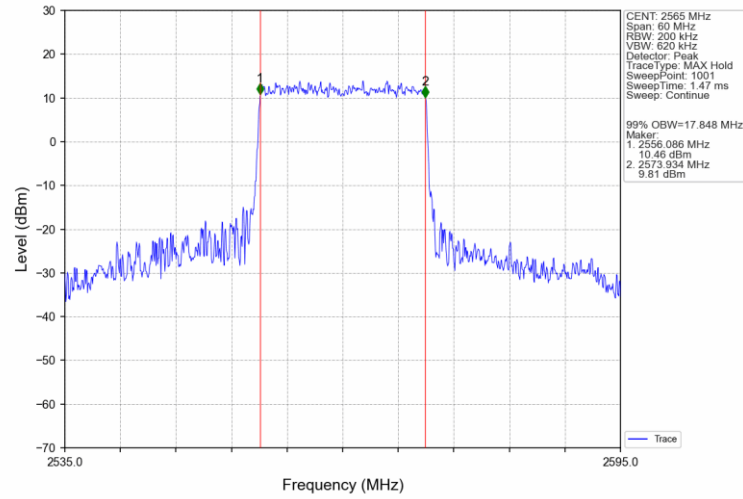
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



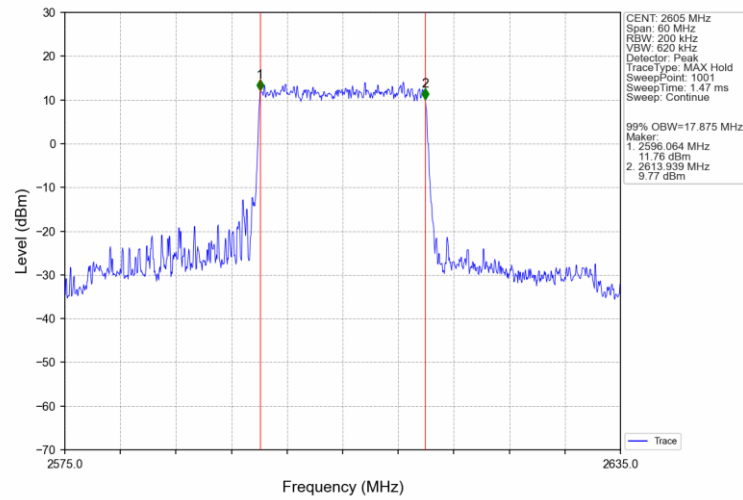
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



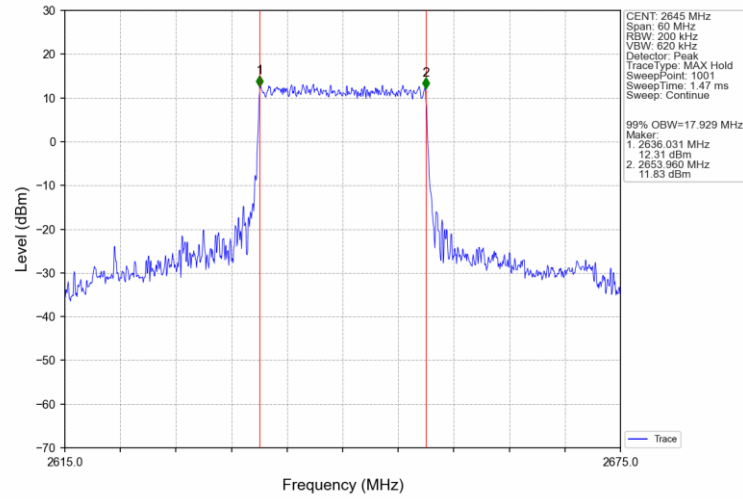
Band41\_20MHz\_QPSK\_LCH\_2565MHz\_RB\_100\_0\_NTNV



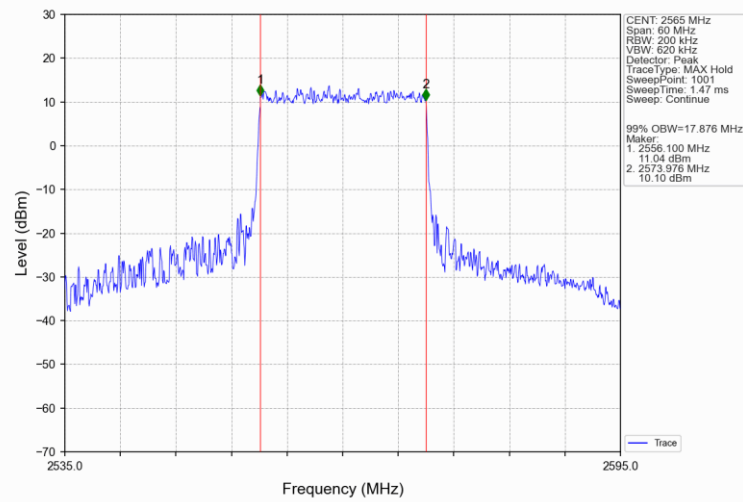
Band41\_20MHz\_QPSK\_MCH\_2605MHz\_RB\_100\_0\_NTNV



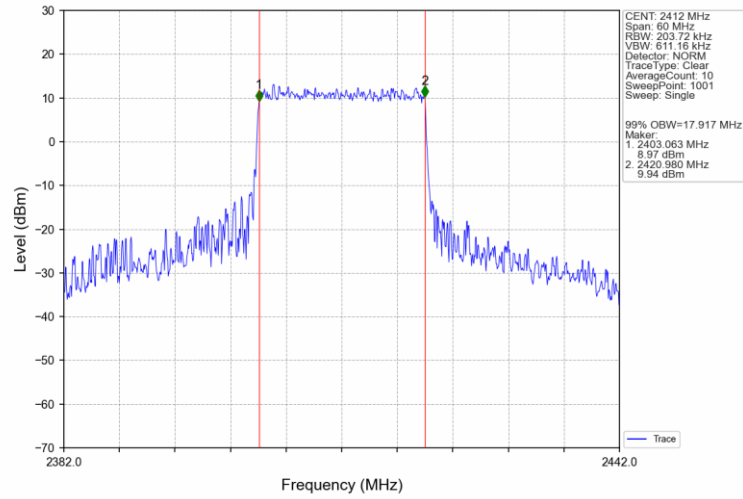
Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



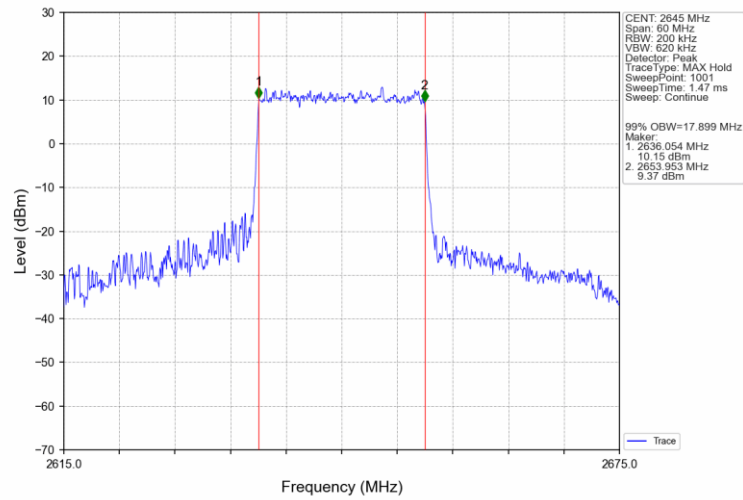
Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



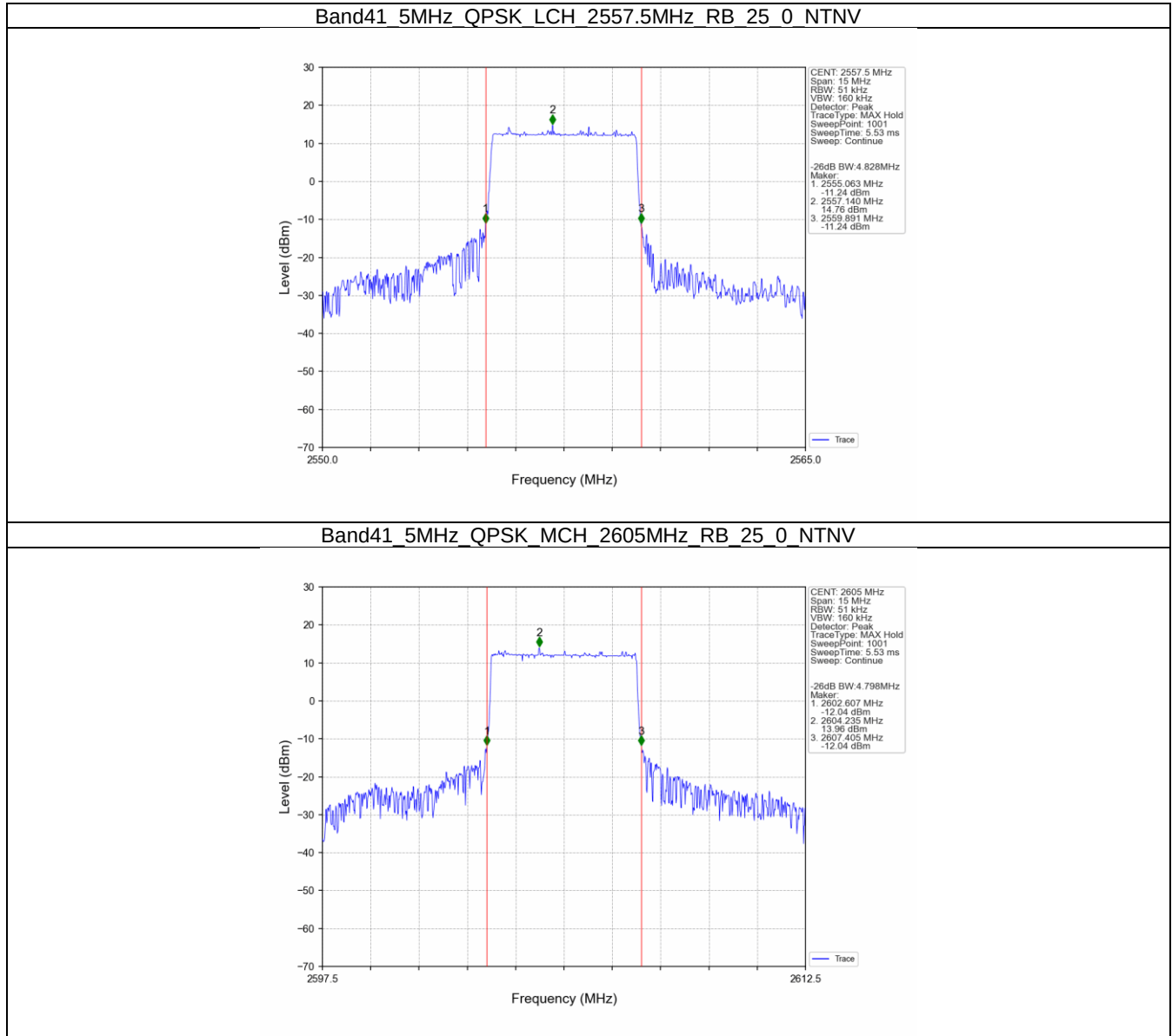
Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV



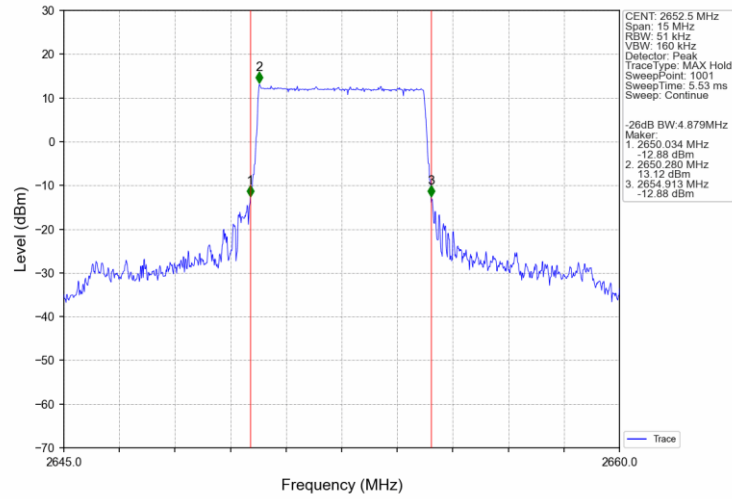
Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV



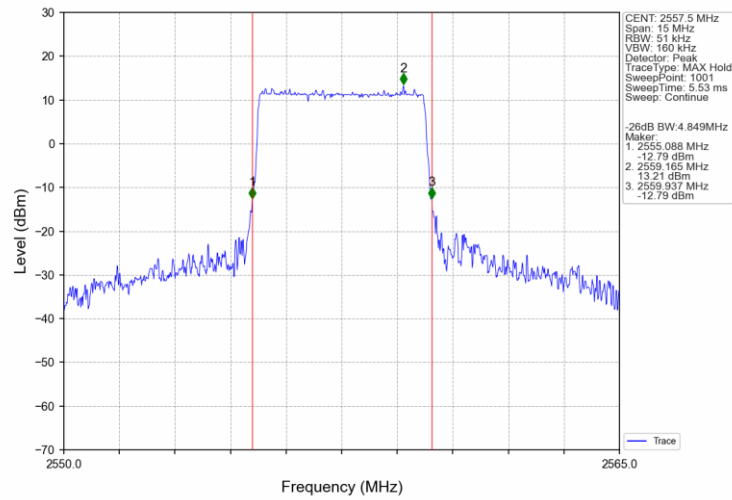
### 4.2.2 Band41\_XDB



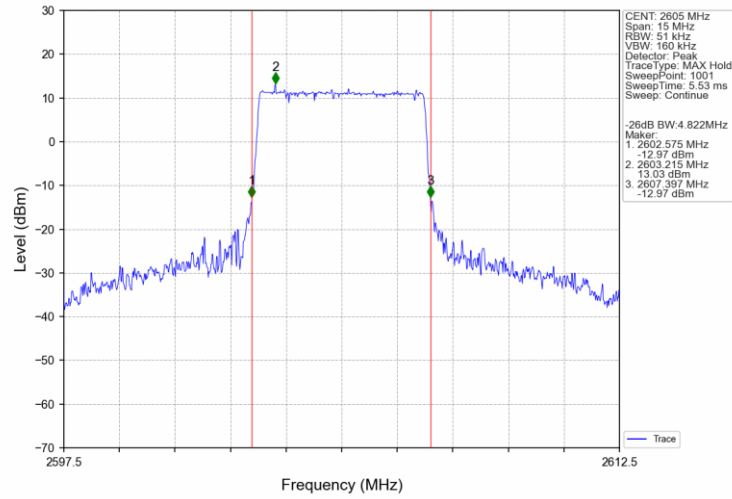
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



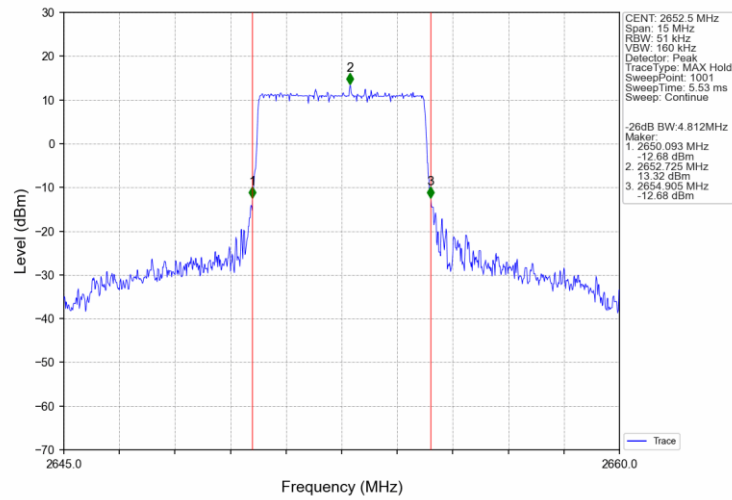
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



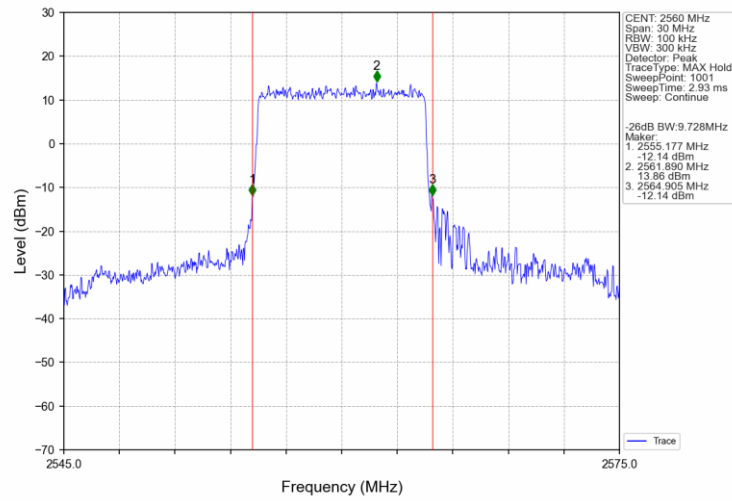
Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



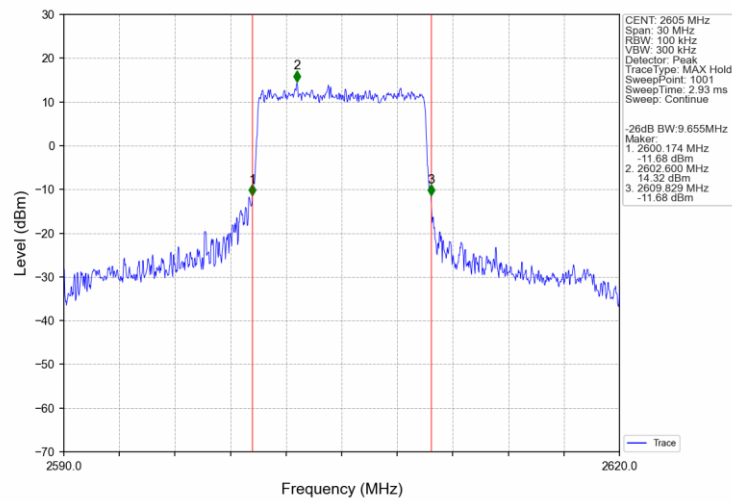
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



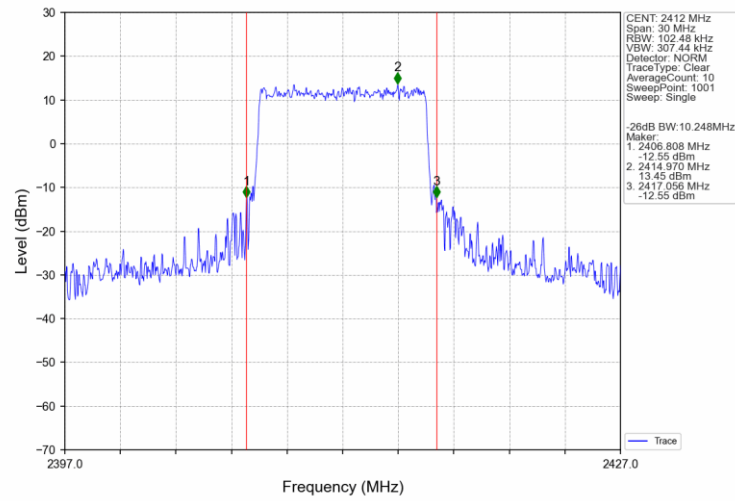
Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



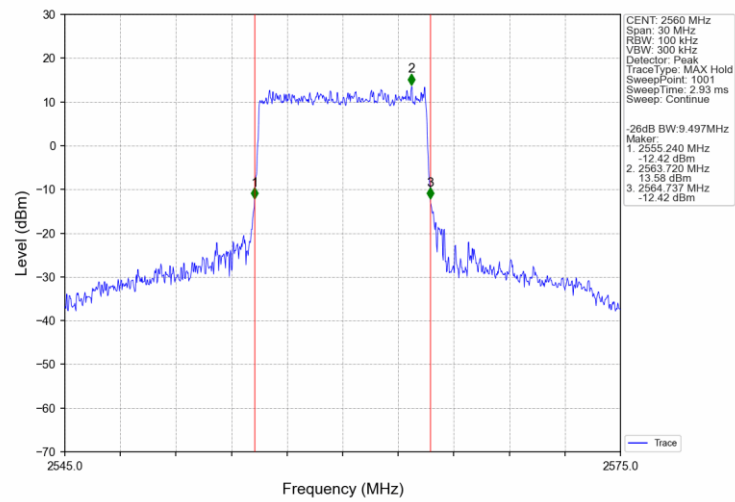
Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



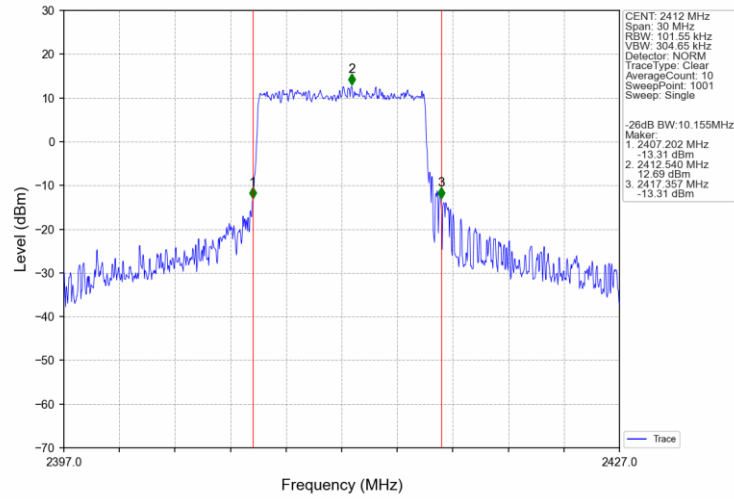
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



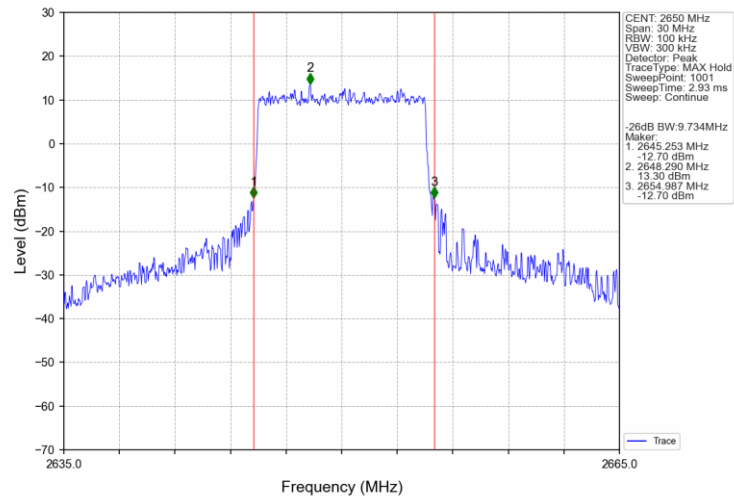
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



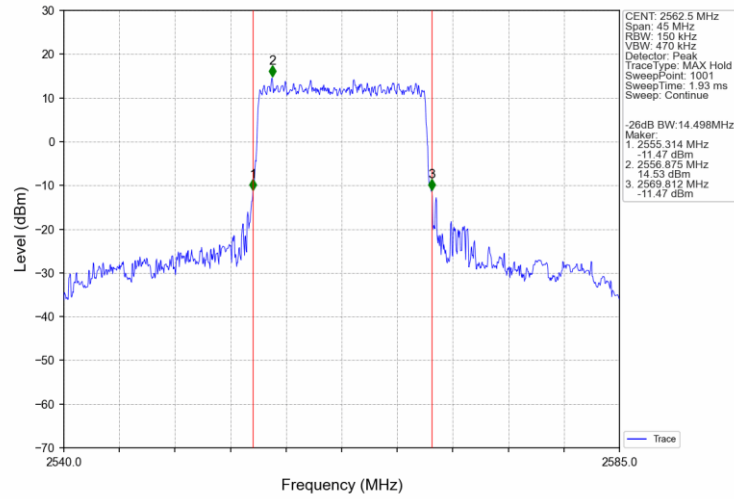
Band41\_10MHz\_16QAM\_MCH\_2605MHz\_RB\_50\_0\_NTNV



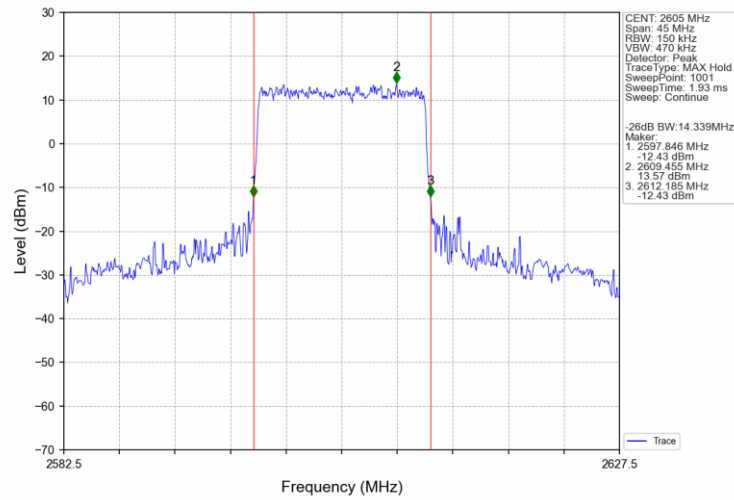
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



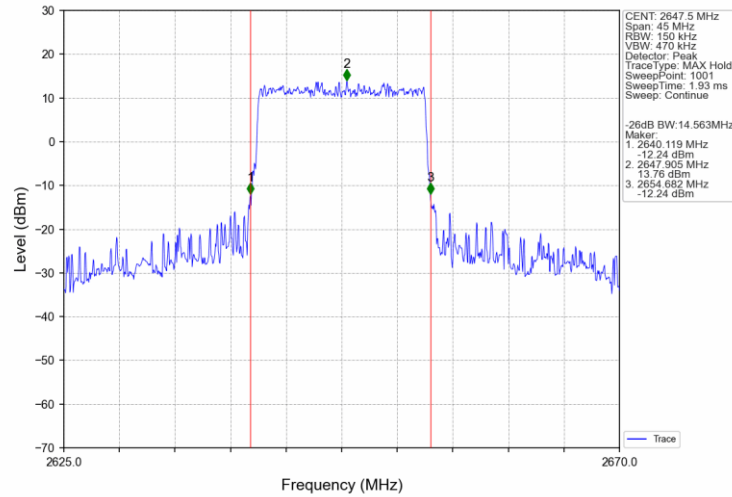
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



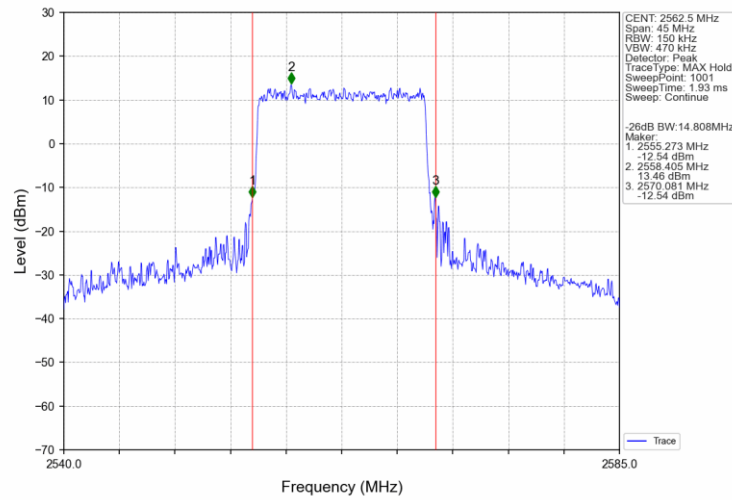
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



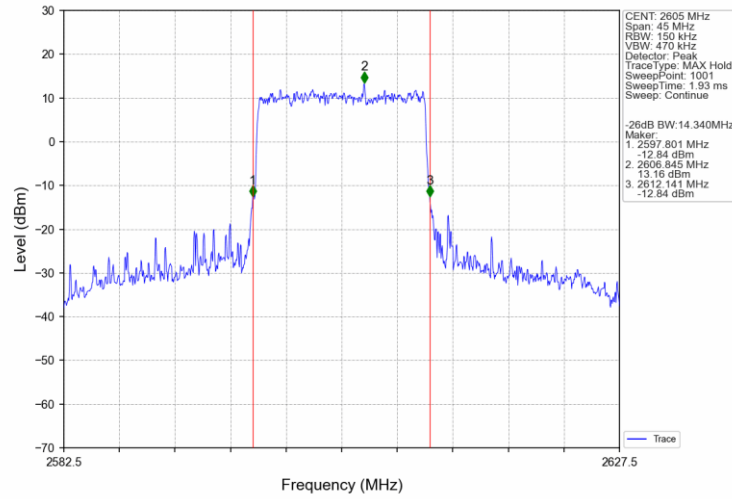
Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



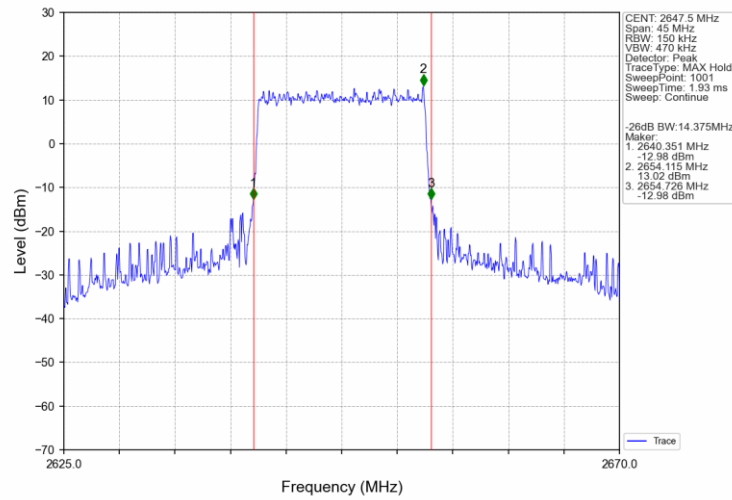
Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



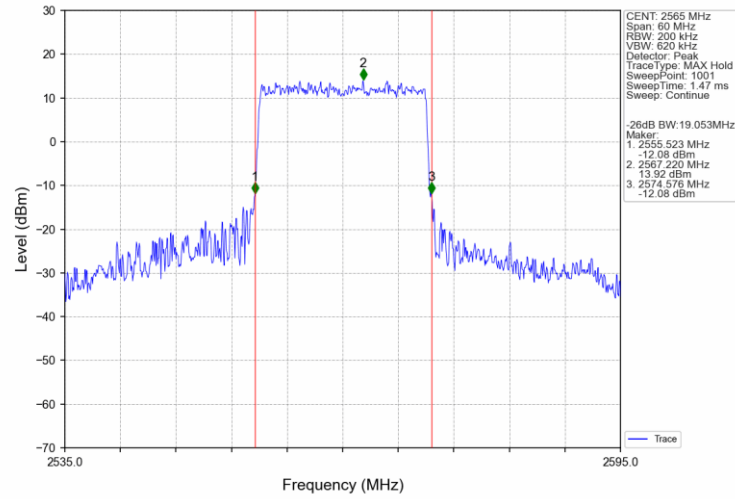
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



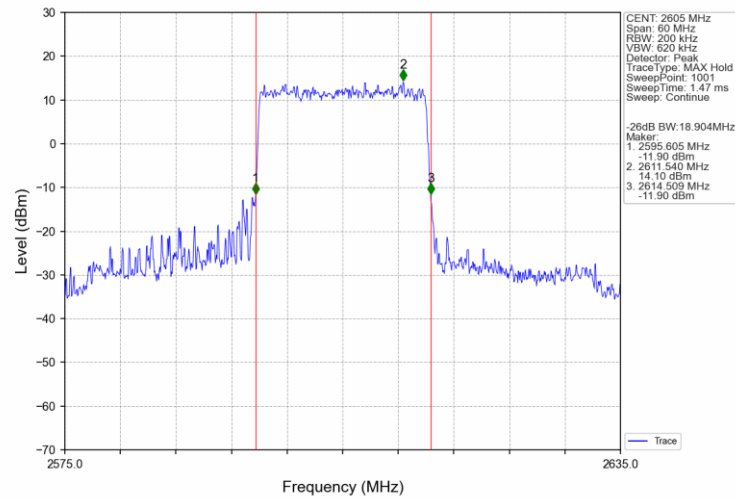
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



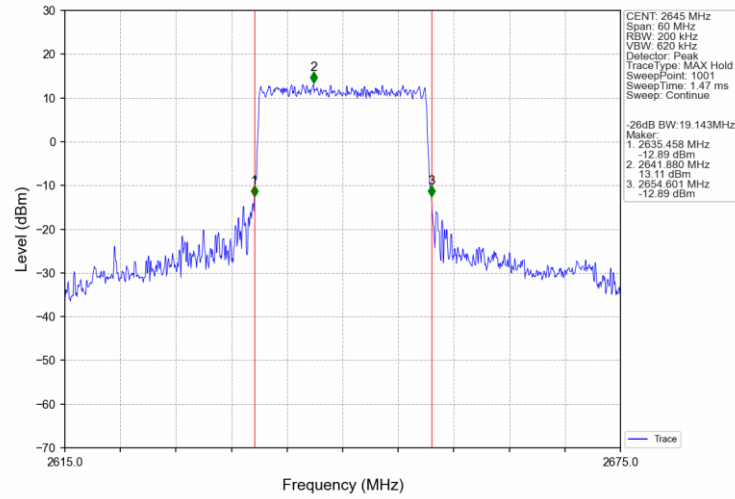
Band41\_20MHz\_QPSK\_LCH\_2565MHz\_RB\_100\_0\_NTNV



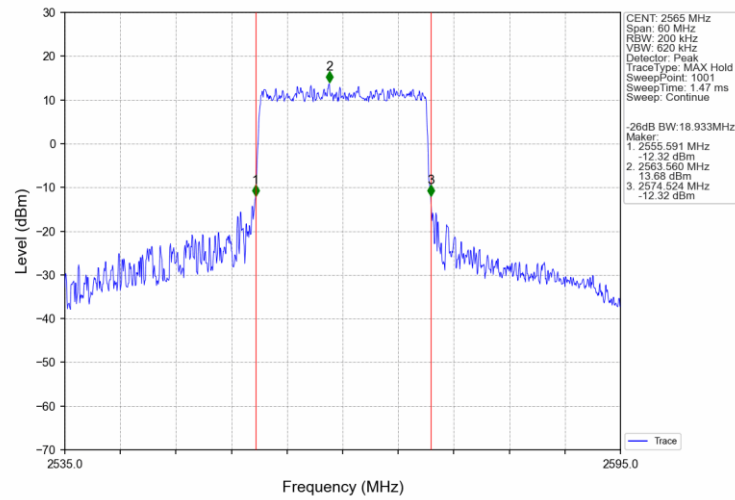
Band41\_20MHz\_QPSK\_MCH\_2605MHz\_RB\_100\_0\_NTNV



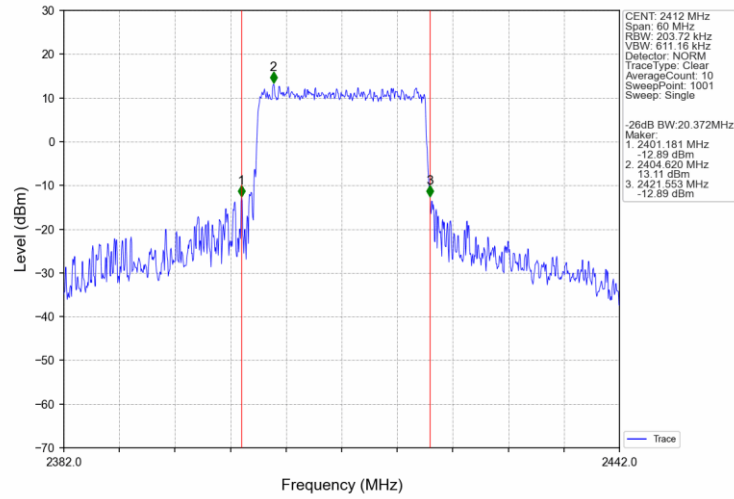
### Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTNV



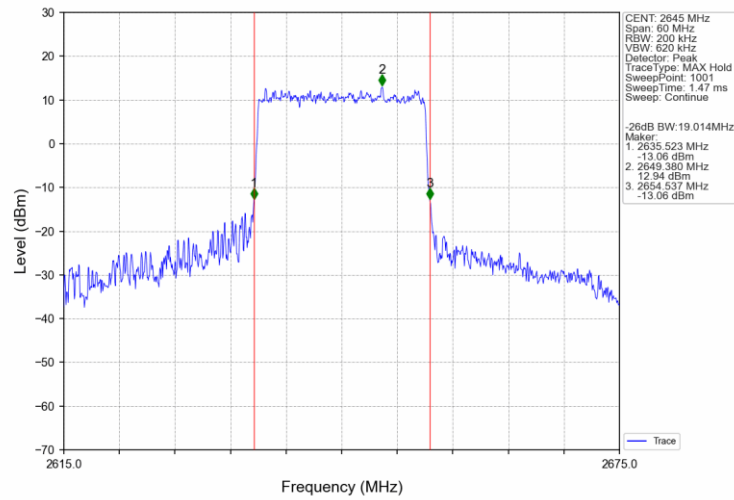
### Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTNV



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      | 7.38                    | <=13  | Pass    |
|                                   | 2605            | 25            | 0      | 7.29                    | <=13  | Pass    |
|                                   | 2652.5          | 25            | 0      | 7.40                    | <=13  | Pass    |
| 16QAM                             | 2557.5          | 25            | 0      | 8.03                    | <=13  | Pass    |
|                                   | 2605            | 25            | 0      | 7.96                    | <=13  | Pass    |
|                                   | 2652.5          | 25            | 0      | 8.04                    | <=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      | 7.38                    | <=13  | Pass    |
|                                    | 2605            | 50            | 0      | 7.32                    | <=13  | Pass    |
|                                    | 2650            | 50            | 0      | 7.31                    | <=13  | Pass    |
| 16QAM                              | 2560            | 50            | 0      | 8.12                    | <=13  | Pass    |
|                                    | 2605            | 50            | 0      | 8.07                    | <=13  | Pass    |
|                                    | 2650            | 50            | 0      | 8.13                    | <=13  | Pass    |

#### 5.1.3 B41\_15MHz

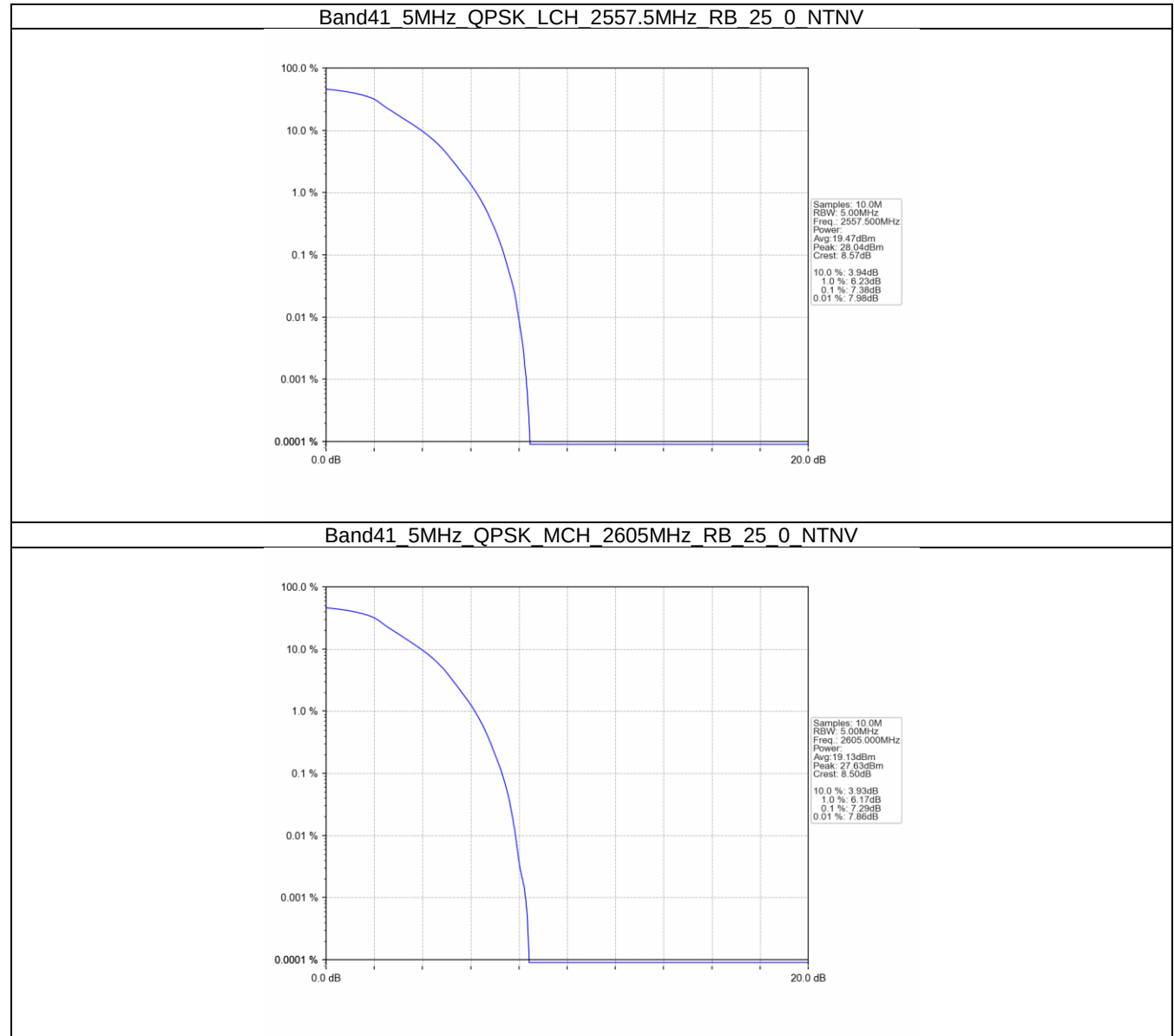
| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2562.5          | 75            | 0      | 7.38                    | <=13  | Pass    |
|                                    | 2605            | 75            | 0      | 7.46                    | <=13  | Pass    |
|                                    | 2647.5          | 75            | 0      | 7.33                    | <=13  | Pass    |
| 16QAM                              | 2562.5          | 75            | 0      | 7.96                    | <=13  | Pass    |
|                                    | 2605            | 75            | 0      | 8.05                    | <=13  | Pass    |
|                                    | 2647.5          | 75            | 0      | 7.83                    | <=13  | Pass    |

#### 5.1.4 B41\_20MHz

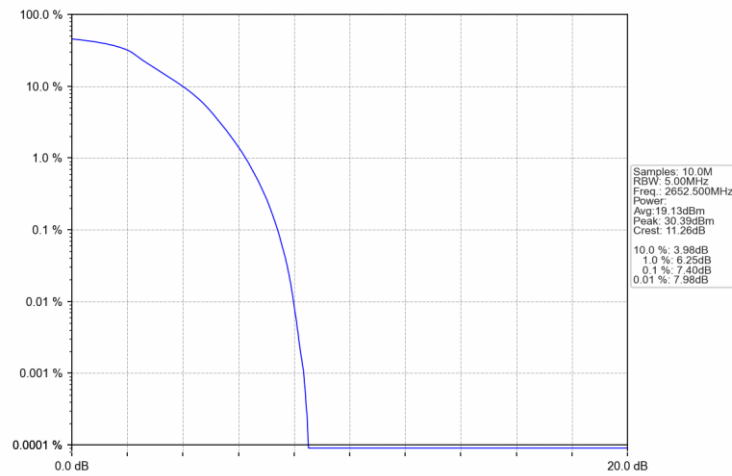
| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2565            | 100           | 0      | 7.67                    | <=13  | Pass    |
|                                    | 2605            | 100           | 0      | 6.94                    | <=13  | Pass    |
|                                    | 2645            | 100           | 0      | 7.11                    | <=13  | Pass    |
| 16QAM                              | 2565            | 100           | 0      | 8.25                    | <=13  | Pass    |
|                                    | 2605            | 100           | 0      | 7.94                    | <=13  | Pass    |
|                                    | 2645            | 100           | 0      | 8.17                    | <=13  | Pass    |

## 5.2 Test Graph

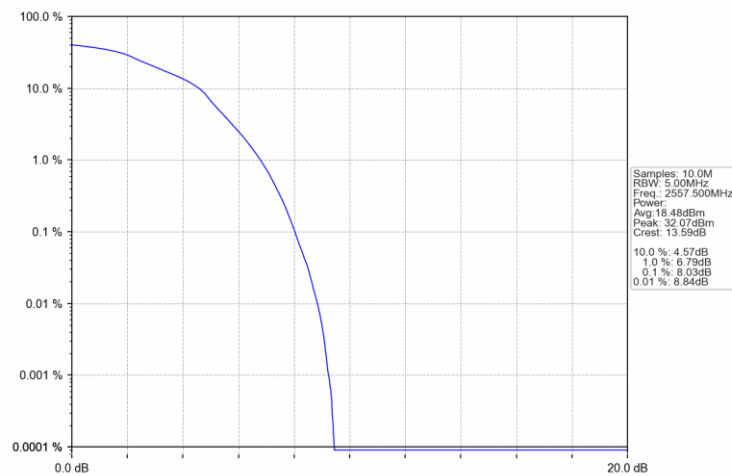
### 5.2.1 B41\_5MHz



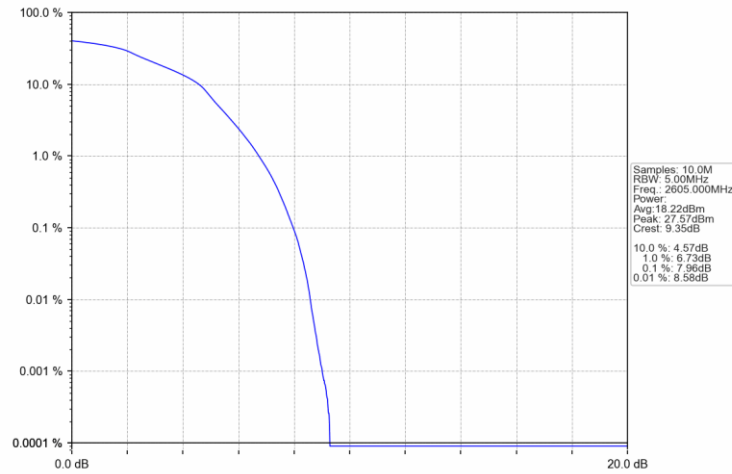
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



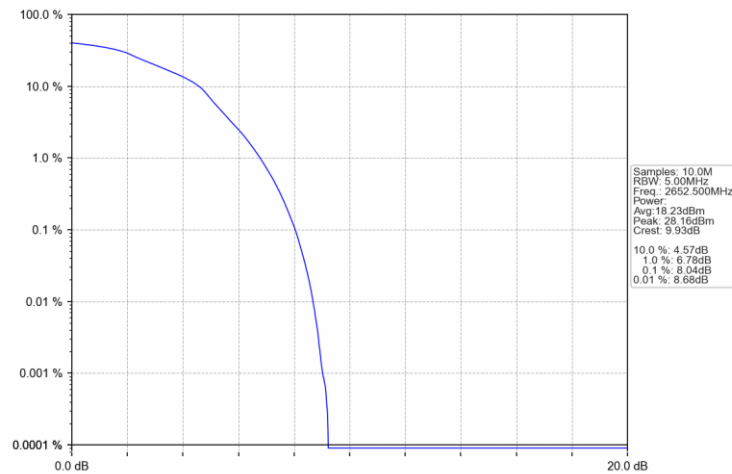
Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



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

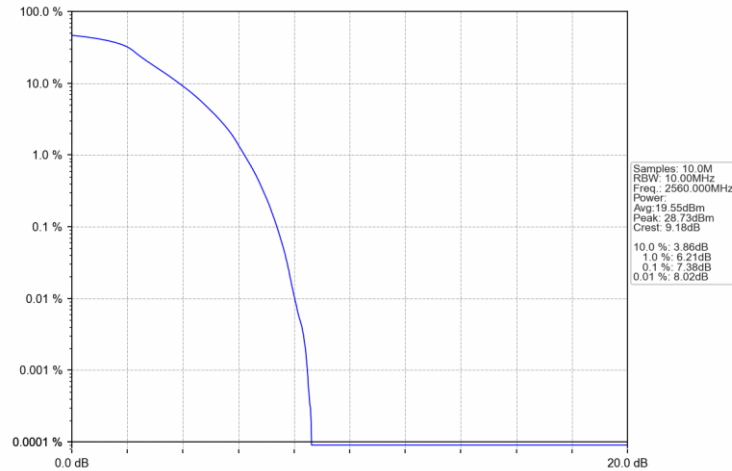


Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV

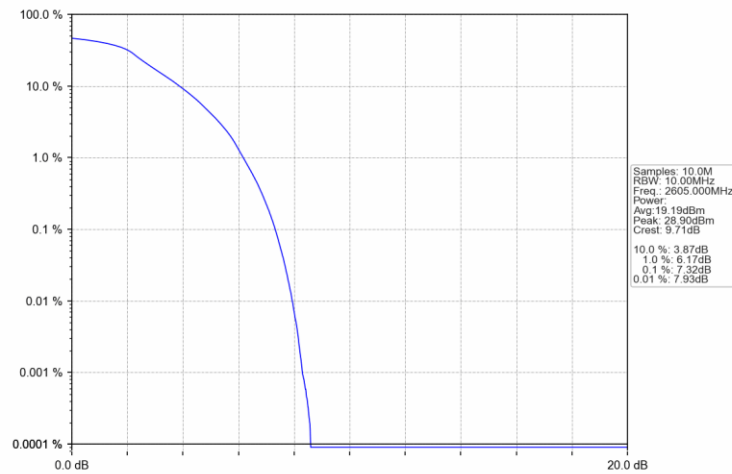


### 5.2.2 B41\_10MHz

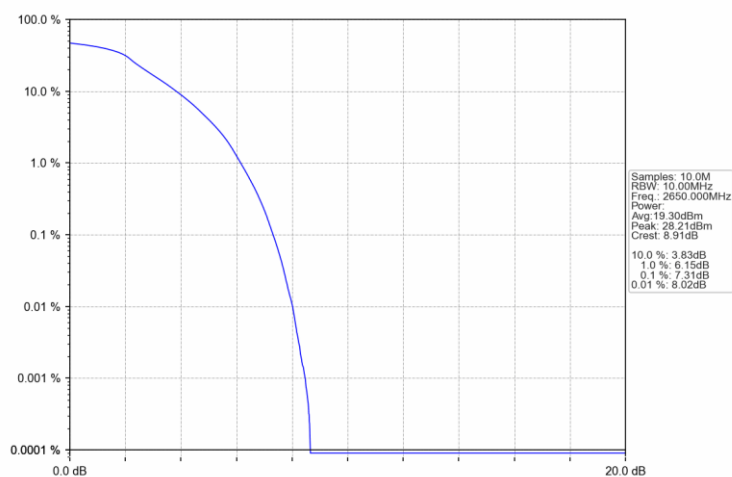
Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



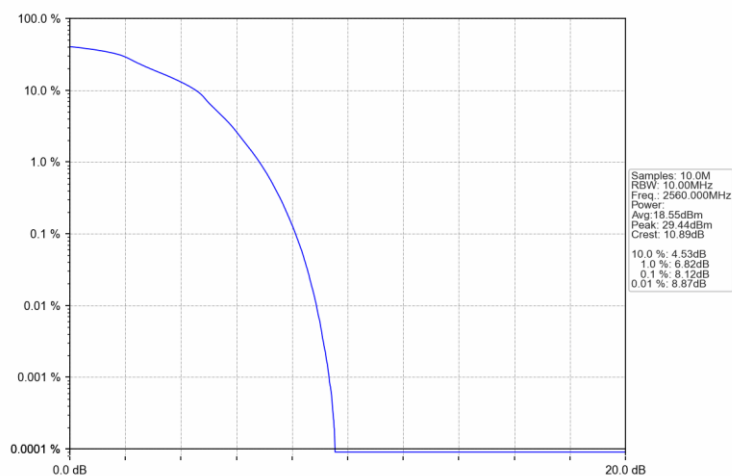
Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



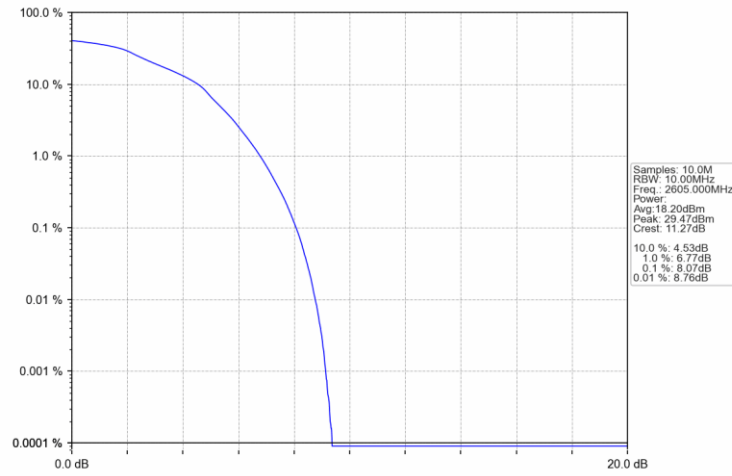
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



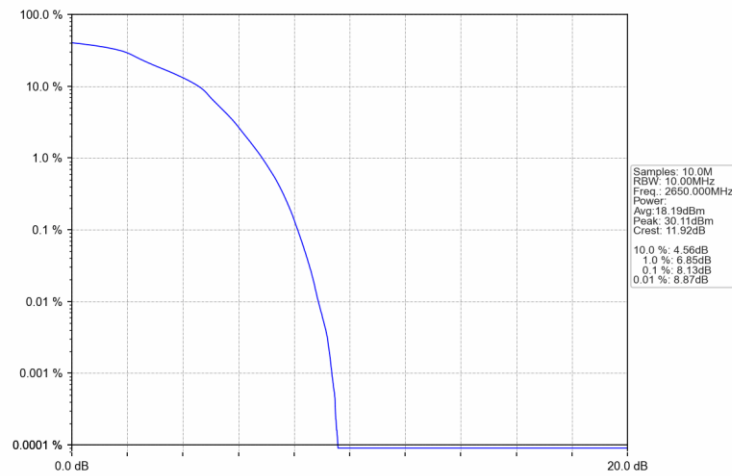
Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



Band41 10MHz 16QAM MCH 2605MHz RB 50 0 NTN

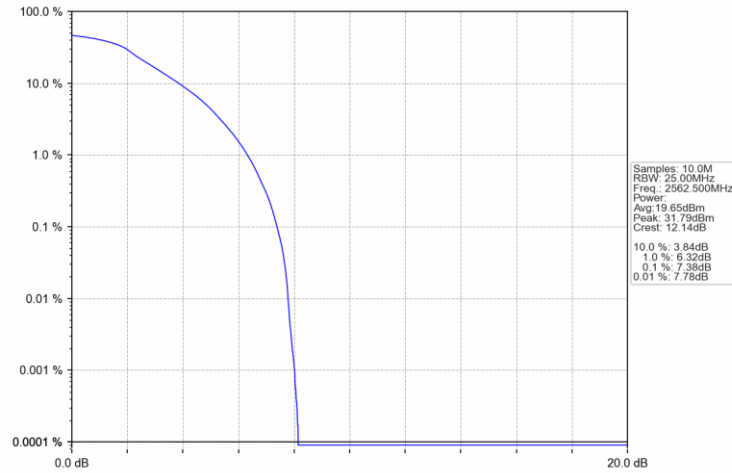


Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTN

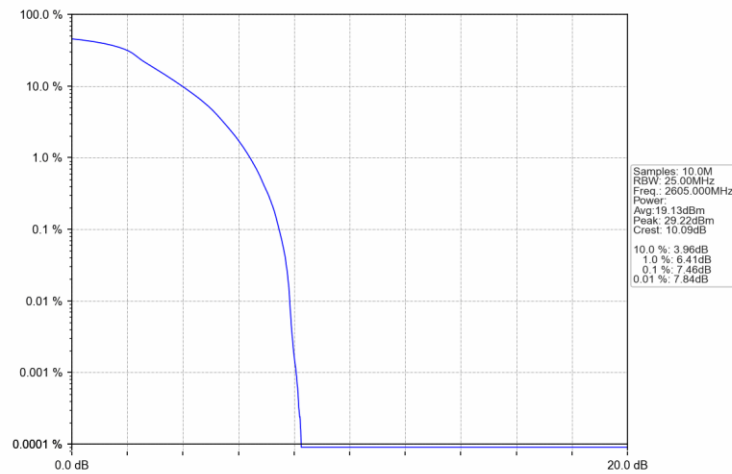


### 5.2.3 B41\_15MHz

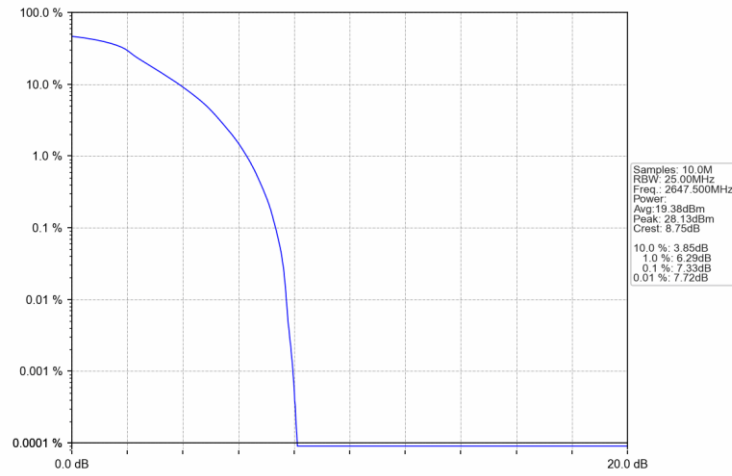
Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



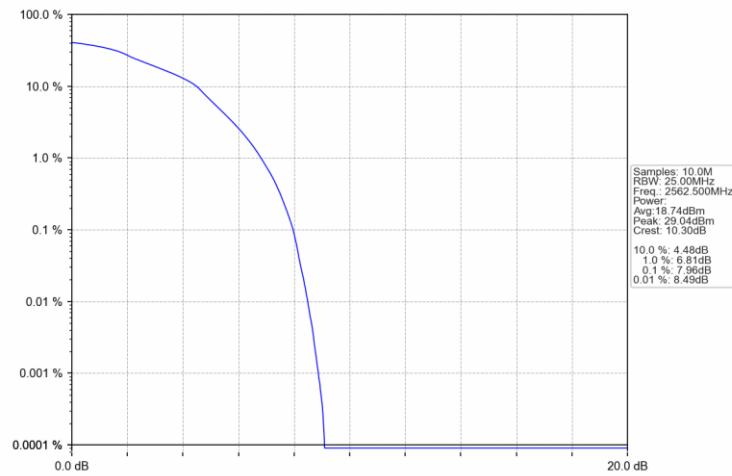
Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



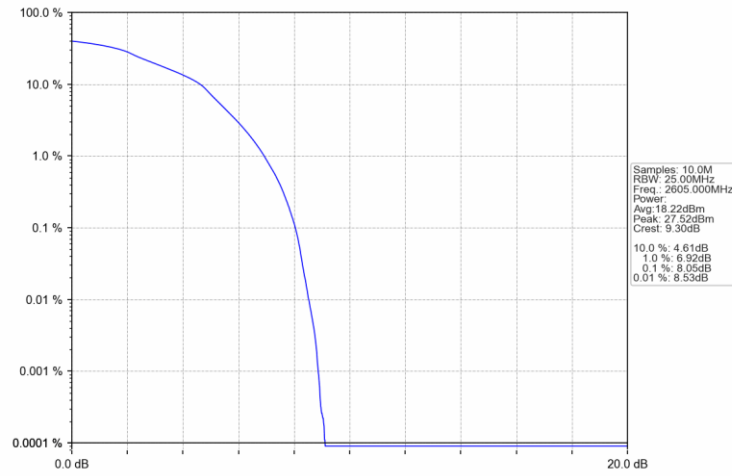
Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



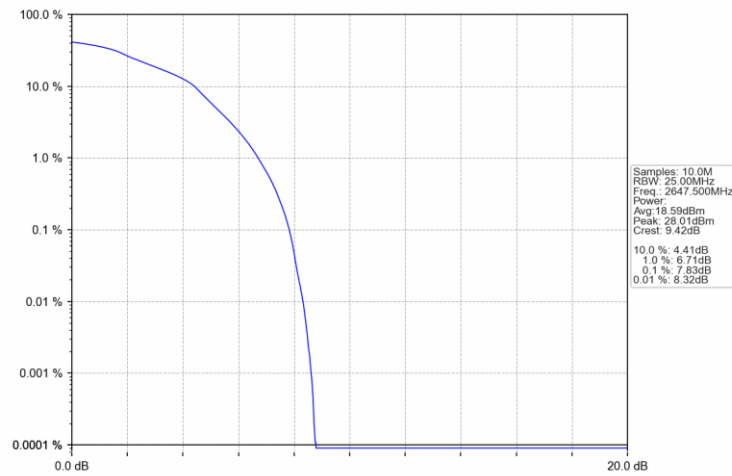
Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



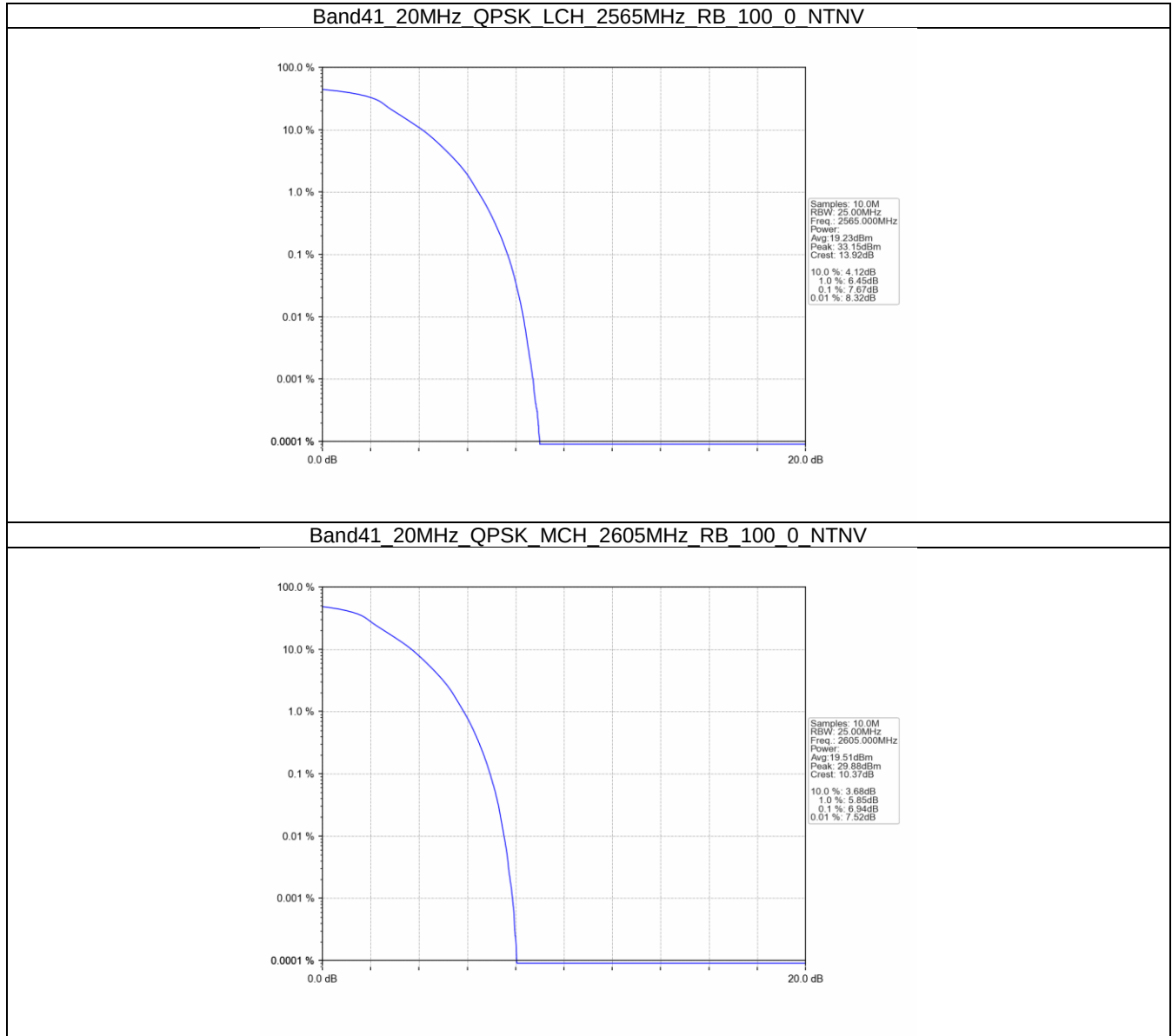
Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



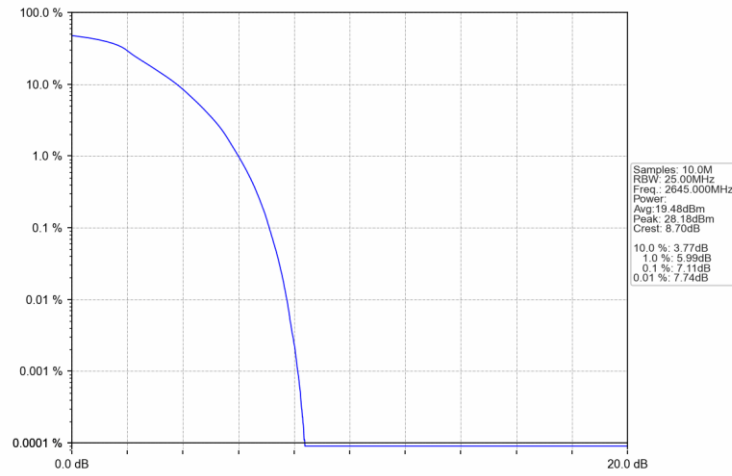
Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



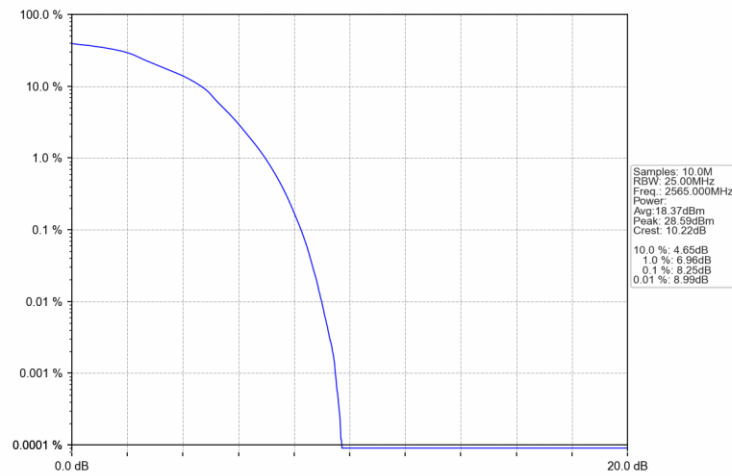
## 5.2.4 B41\_20MHz



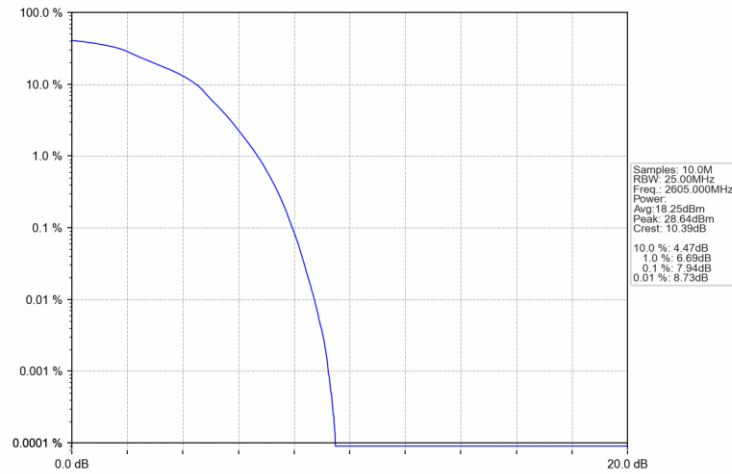
Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



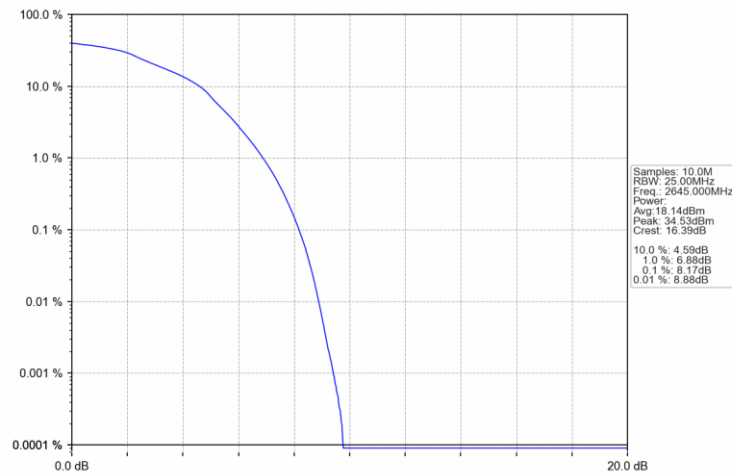
Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



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 / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2650            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | 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    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2647.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 74     | Refer To Test Graph |       | Pass    |

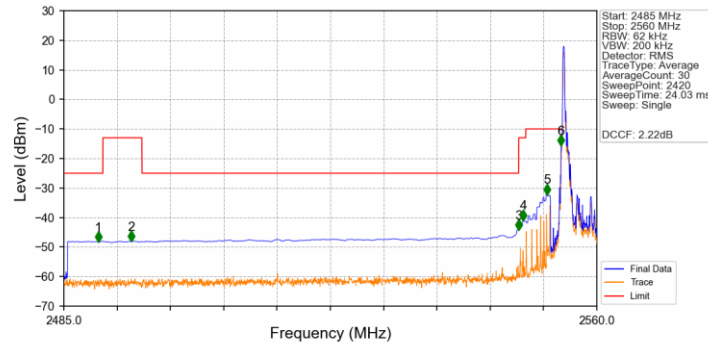
#### 6.1.4 B41\_20MHz

| Band: 41 / Bandwidth: 20MHz / NTVN |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
|                                    | 2645            | 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    |
|                                    | 2605            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2645            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 99     | Refer To Test Graph |       | Pass    |

## 6.2 Test Graph

### 6.2.1 B41\_5MHz

Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.837   | -48.07      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.518   | -47.96      | -13         | Pass   |
| 2496        | 2549       | 1         | CHP    | 3          | 2548.993   | -44.08      | -25         | Pass   |
| 2549        | 2550       | 1         | CHP    | 4          | 2549.644   | -40.72      | -13         | Pass   |
| 2550        | 2554       | 1         | CHP    | 5          | 2552.993   | -31.96      | -10         | Pass   |
| 2554        | 2555       | 0.062     | /      | /          | 2554.977   | -15.46      | -10         | Pass   |
| 2555        | 2560       | 0.062     | /      | /          | /          | /           | /           | /      |

Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV

