

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

### 1.1 B41\_5MHz\_EIRP

#### 1.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz / NTV         |                 |               |        |                       |            |            |         |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                                     | 2498.5          | 1             | 0      | 19.61                 | 0.47       | 20.08      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 19.47                 | 0.47       | 19.94      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 19.51                 | 0.47       | 19.98      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 18.45                 | 0.47       | 18.92      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 18.54                 | 0.47       | 19.01      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.52                 | 0.47       | 18.99      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.62                 | 0.47       | 19.09      | <=33.01 | Pass    |
|                                          | 2593            | 1             | 0      | 19.53                 | 0.47       | 20.00      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 19.45                 | 0.47       | 19.92      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 19.50                 | 0.47       | 19.97      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 18.26                 | 0.47       | 18.73      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 18.47                 | 0.47       | 18.94      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.27                 | 0.47       | 18.74      | <=33.01 | Pass    |
|                                          | 25              | 0             | 18.29  | 0.47                  | 18.76      | <=33.01    | Pass    |         |
|                                          | 2687.5          | 1             | 0      | 19.92                 | 0.47       | 20.39      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 19.90                 | 0.47       | 20.37      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 19.92                 | 0.47       | 20.39      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 18.84                 | 0.47       | 19.31      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 18.74                 | 0.47       | 19.21      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.96                 | 0.47       | 19.43      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.85                 | 0.47       | 19.32      | <=33.01 | Pass    |
| 16QAM                                    |                 | 2498.5        | 1      | 0                     | 19.25      | 0.47       | 19.72   | <=33.01 |
|                                          | 13              |               |        | 19.19                 | 0.47       | 19.66      | <=33.01 | Pass    |
|                                          | 24              |               |        | 19.25                 | 0.47       | 19.72      | <=33.01 | Pass    |
|                                          | 12              |               | 0      | 17.61                 | 0.47       | 18.08      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 17.58                 | 0.47       | 18.05      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 17.35                 | 0.47       | 17.82      | <=33.01 | Pass    |
|                                          | 25              |               | 0      | 17.56                 | 0.47       | 18.03      | <=33.01 | Pass    |
|                                          | 2593            | 1             | 0      | 18.32                 | 0.47       | 18.79      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.53                 | 0.47       | 19.00      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 18.41                 | 0.47       | 18.88      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 17.35                 | 0.47       | 17.82      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 17.37                 | 0.47       | 17.84      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 17.37                 | 0.47       | 17.84      | <=33.01 | Pass    |
|                                          | 25              | 0             | 17.56  | 0.47                  | 18.03      | <=33.01    | Pass    |         |
|                                          | 2687.5          | 1             | 0      | 18.54                 | 0.47       | 19.01      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.48                 | 0.47       | 18.95      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 18.52                 | 0.47       | 18.99      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 17.84                 | 0.47       | 18.31      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 17.85                 | 0.47       | 18.32      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 17.90                 | 0.47       | 18.37      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 17.90                 | 0.47       | 18.37      | <=33.01 | Pass    |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |

### 1.2 B41\_10MHz\_EIRP

### 1.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz / NTVN       |                 |               |        |                       |            |            |         |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                                     | 2501            | 1             | 0      | 18.64                 | 0.47       | 19.11      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.51                 | 0.47       | 18.98      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 18.56                 | 0.47       | 19.03      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.47                 | 0.47       | 18.94      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.53                 | 0.47       | 19.00      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.52                 | 0.47       | 18.99      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 18.60                 | 0.47       | 19.07      | <=33.01 | Pass    |
|                                          | 2593            | 1             | 0      | 18.38                 | 0.47       | 18.85      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.34                 | 0.47       | 18.81      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 18.34                 | 0.47       | 18.81      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.33                 | 0.47       | 18.80      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.33                 | 0.47       | 18.80      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.41                 | 0.47       | 18.88      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 18.41                 | 0.47       | 18.88      | <=33.01 | Pass    |
|                                          | 2685            | 1             | 0      | 18.81                 | 0.47       | 19.28      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.79                 | 0.47       | 19.26      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 18.76                 | 0.47       | 19.23      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.76                 | 0.47       | 19.23      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.83                 | 0.47       | 19.30      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.76                 | 0.47       | 19.23      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 18.76                 | 0.47       | 19.23      | <=33.01 | Pass    |
| 16QAM                                    | 2501            | 1             | 0      | 18.59                 | 0.47       | 19.06      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.65                 | 0.47       | 19.12      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 18.65                 | 0.47       | 19.12      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.65                 | 0.47       | 19.12      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.56                 | 0.47       | 19.03      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.56                 | 0.47       | 19.03      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 18.63                 | 0.47       | 19.10      | <=33.01 | Pass    |
|                                          | 2593            | 1             | 0      | 18.40                 | 0.47       | 18.87      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.40                 | 0.47       | 18.87      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 18.30                 | 0.47       | 18.77      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.30                 | 0.47       | 18.77      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 18.39                 | 0.47       | 18.86      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.39                 | 0.47       | 18.86      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 18.38                 | 0.47       | 18.85      | <=33.01 | Pass    |
|                                          | 2685            | 1             | 0      | 18.76                 | 0.47       | 19.23      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 18.83                 | 0.47       | 19.30      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 18.83                 | 0.47       | 19.30      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 18.75                 | 0.47       | 19.22      | <=33.01 | Pass    |
| 13                                       |                 |               | 18.83  | 0.47                  | 19.30      | <=33.01    | Pass    |         |
| 25                                       |                 |               | 18.75  | 0.47                  | 19.22      | <=33.01    | Pass    |         |
| 50                                       |                 | 0             | 18.75  | 0.47                  | 19.22      | <=33.01    | Pass    |         |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |

### 1.3 B41\_15MHz\_EIRP

#### 1.3.1 Test Result

|                                    |
|------------------------------------|
| Band: 41 / Bandwidth: 15MHz / NTNV |
|------------------------------------|

| Modulation                               | Frequency<br>(MHz) | RB Allocation |        | Conducted Power<br>(dBm) | Gain<br>(dBi) | EIRP (dBm) |         | Verdict |      |
|------------------------------------------|--------------------|---------------|--------|--------------------------|---------------|------------|---------|---------|------|
|                                          |                    | Size          | Offset |                          |               | Result     | Limit   |         |      |
| QPSK                                     | 2503.5             | 1             | 0      | 19.65                    | 0.47          | 20.12      | <=33.01 | Pass    |      |
|                                          |                    |               | 38     | 19.62                    | 0.47          | 20.09      | <=33.01 | Pass    |      |
|                                          |                    |               | 74     | 19.62                    | 0.47          | 20.09      | <=33.01 | Pass    |      |
|                                          |                    | 36            | 0      | 18.44                    | 0.47          | 18.91      | <=33.01 | Pass    |      |
|                                          |                    |               | 18     | 18.52                    | 0.47          | 18.99      | <=33.01 | Pass    |      |
|                                          |                    |               | 39     | 18.58                    | 0.47          | 19.05      | <=33.01 | Pass    |      |
|                                          |                    | 75            | 0      | 18.44                    | 0.47          | 18.91      | <=33.01 | Pass    |      |
|                                          |                    | 2593          | 1      | 0                        | 19.46         | 0.47       | 19.93   | <=33.01 | Pass |
|                                          |                    |               |        | 38                       | 19.53         | 0.47       | 20.00   | <=33.01 | Pass |
|                                          | 74                 |               |        | 19.54                    | 0.47          | 20.01      | <=33.01 | Pass    |      |
|                                          | 36                 |               | 0      | 18.34                    | 0.47          | 18.81      | <=33.01 | Pass    |      |
|                                          |                    |               | 18     | 18.40                    | 0.47          | 18.87      | <=33.01 | Pass    |      |
|                                          |                    |               | 39     | 18.38                    | 0.47          | 18.85      | <=33.01 | Pass    |      |
|                                          | 2682.5             | 1             | 0      | 18.26                    | 0.47          | 18.73      | <=33.01 | Pass    |      |
|                                          |                    |               | 38     | 19.86                    | 0.47          | 20.33      | <=33.01 | Pass    |      |
|                                          |                    |               | 74     | 19.77                    | 0.47          | 20.24      | <=33.01 | Pass    |      |
|                                          |                    | 36            | 0      | 20.00                    | 0.47          | 20.47      | <=33.01 | Pass    |      |
|                                          |                    |               | 18     | 18.78                    | 0.47          | 19.25      | <=33.01 | Pass    |      |
|                                          |                    |               | 39     | 18.69                    | 0.47          | 19.16      | <=33.01 | Pass    |      |
|                                          |                    | 75            | 0      | 18.78                    | 0.47          | 19.25      | <=33.01 | Pass    |      |
|                                          |                    |               | 0      | 18.71                    | 0.47          | 19.18      | <=33.01 | Pass    |      |
| 16QAM                                    | 2503.5             | 1             | 0      | 18.44                    | 0.47          | 18.91      | <=33.01 | Pass    |      |
|                                          |                    |               | 38     | 18.58                    | 0.47          | 19.05      | <=33.01 | Pass    |      |
|                                          |                    |               | 74     | 18.64                    | 0.47          | 19.11      | <=33.01 | Pass    |      |
|                                          |                    | 36            | 0      | 17.61                    | 0.47          | 18.08      | <=33.01 | Pass    |      |
|                                          |                    |               | 18     | 17.54                    | 0.47          | 18.01      | <=33.01 | Pass    |      |
|                                          |                    |               | 39     | 17.66                    | 0.47          | 18.13      | <=33.01 | Pass    |      |
|                                          |                    | 75            | 0      | 17.65                    | 0.47          | 18.12      | <=33.01 | Pass    |      |
|                                          | 2593               | 1             | 0      | 18.48                    | 0.47          | 18.95      | <=33.01 | Pass    |      |
|                                          |                    |               | 38     | 18.15                    | 0.47          | 18.62      | <=33.01 | Pass    |      |
|                                          |                    |               | 74     | 18.13                    | 0.47          | 18.60      | <=33.01 | Pass    |      |
|                                          |                    | 36            | 0      | 17.46                    | 0.47          | 17.93      | <=33.01 | Pass    |      |
|                                          |                    |               | 18     | 17.48                    | 0.47          | 17.95      | <=33.01 | Pass    |      |
|                                          |                    |               | 39     | 17.52                    | 0.47          | 17.99      | <=33.01 | Pass    |      |
|                                          | 2682.5             | 75            | 0      | 17.45                    | 0.47          | 17.92      | <=33.01 | Pass    |      |
|                                          |                    |               | 1      | 0                        | 19.80         | 0.47       | 20.27   | <=33.01 | Pass |
|                                          |                    |               |        | 38                       | 19.81         | 0.47       | 20.28   | <=33.01 | Pass |
|                                          |                    | 74            |        | 19.78                    | 0.47          | 20.25      | <=33.01 | Pass    |      |
|                                          |                    | 36            | 0      | 17.78                    | 0.47          | 18.25      | <=33.01 | Pass    |      |
|                                          |                    |               | 18     | 17.90                    | 0.47          | 18.37      | <=33.01 | Pass    |      |
|                                          |                    |               | 39     | 17.82                    | 0.47          | 18.29      | <=33.01 | Pass    |      |
|                                          |                    | 75            | 0      | 17.91                    | 0.47          | 18.38      | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                    |               |        |                          |               |            |         |         |      |

## 1.4 B41\_20MHz\_EIRP

### 1.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2506            | 1             | 0      | 18.44                 | 0.47       | 18.91      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 18.43                 | 0.47       | 18.90      | <=33.01 | Pass    |

|                                          |       |      |    |       |       |       |         |         |      |
|------------------------------------------|-------|------|----|-------|-------|-------|---------|---------|------|
|                                          |       | 50   | 99 | 18.41 | 0.47  | 18.88 | <=33.01 | Pass    |      |
|                                          |       |      | 0  | 18.50 | 0.47  | 18.97 | <=33.01 | Pass    |      |
|                                          |       |      | 25 | 18.54 | 0.47  | 19.01 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.52 | 0.47  | 18.99 | <=33.01 | Pass    |      |
|                                          |       | 100  | 0  | 18.51 | 0.47  | 18.98 | <=33.01 | Pass    |      |
|                                          | 2593  | 1    | 0  | 18.30 | 0.47  | 18.77 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.27 | 0.47  | 18.74 | <=33.01 | Pass    |      |
|                                          |       |      | 99 | 18.48 | 0.47  | 18.95 | <=33.01 | Pass    |      |
|                                          |       | 50   | 0  | 18.46 | 0.47  | 18.93 | <=33.01 | Pass    |      |
|                                          |       |      | 25 | 18.36 | 0.47  | 18.83 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.35 | 0.47  | 18.82 | <=33.01 | Pass    |      |
|                                          |       | 100  | 0  | 18.35 | 0.47  | 18.82 | <=33.01 | Pass    |      |
|                                          |       | 2680 | 1  | 0     | 18.80 | 0.47  | 19.27   | <=33.01 | Pass |
|                                          |       |      |    | 50    | 18.71 | 0.47  | 19.18   | <=33.01 | Pass |
|                                          | 99    |      |    | 18.71 | 0.47  | 19.18 | <=33.01 | Pass    |      |
|                                          | 50    |      | 0  | 18.78 | 0.47  | 19.25 | <=33.01 | Pass    |      |
|                                          |       |      | 25 | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
|                                          | 100   |      | 0  | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
|                                          | 16QAM | 2506 | 1  | 0     | 18.50 | 0.47  | 18.97   | <=33.01 | Pass |
|                                          |       |      |    | 50    | 18.49 | 0.47  | 18.96   | <=33.01 | Pass |
|                                          |       |      |    | 99    | 18.49 | 0.47  | 18.96   | <=33.01 | Pass |
|                                          |       |      | 50 | 0     | 18.56 | 0.47  | 19.03   | <=33.01 | Pass |
|                                          |       |      |    | 25    | 18.47 | 0.47  | 18.94   | <=33.01 | Pass |
| 50                                       |       |      |    | 18.55 | 0.47  | 19.02 | <=33.01 | Pass    |      |
| 100                                      |       |      | 0  | 18.47 | 0.47  | 18.94 | <=33.01 | Pass    |      |
| 2593                                     |       | 1    | 0  | 18.34 | 0.47  | 18.81 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.34 | 0.47  | 18.81 | <=33.01 | Pass    |      |
|                                          |       |      | 99 | 18.43 | 0.47  | 18.90 | <=33.01 | Pass    |      |
|                                          |       | 50   | 0  | 18.33 | 0.47  | 18.80 | <=33.01 | Pass    |      |
|                                          |       |      | 25 | 18.33 | 0.47  | 18.80 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.32 | 0.47  | 18.79 | <=33.01 | Pass    |      |
|                                          |       | 100  | 0  | 18.32 | 0.47  | 18.79 | <=33.01 | Pass    |      |
| 2680                                     |       | 1    | 0  | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.77 | 0.47  | 19.24 | <=33.01 | Pass    |      |
|                                          |       |      | 99 | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
|                                          |       | 50   | 0  | 18.77 | 0.47  | 19.24 | <=33.01 | Pass    |      |
|                                          |       |      | 25 | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
|                                          |       |      | 50 | 18.77 | 0.47  | 19.24 | <=33.01 | Pass    |      |
|                                          |       | 100  | 0  | 18.70 | 0.47  | 19.17 | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |       |      |    |       |       |       |         |         |      |

## 2. Frequency Stability

### 2.1 B41\_5MHz

#### 2.1.1 Test Result

| 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                       | 2498.5          | 25            | 0      | 20         | 3.27          | 11.101           | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 30.770           | 0.0123                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 24.977           | 0.0100                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
| 16QAM |        |    |   | -30 | 3.85 | 16.193  | 0.0065  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.930   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -19.827 | -0.0079 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -34.490 | -0.0138 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -47.135 | -0.0189 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -6.952  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -21.043 | -0.0084 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -32.701 | -0.0131 | -2.5 to 2.5 | Pass |
|       | 2593   | 25 | 0 | 20  | 3.27 | 13.361  | 0.0052  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 17.238  | 0.0066  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -6.967  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -30.742 | -0.0119 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -22.802 | -0.0088 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -20.499 | -0.0079 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -41.370 | -0.0160 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -8.855  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -24.076 | -0.0093 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -33.946 | -0.0131 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -48.366 | -0.0187 | -2.5 to 2.5 | Pass |
|       | 2687.5 | 25 | 0 | 20  | 3.27 | 42.987  | 0.0160  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -1.245  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -2.446  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -11.015 | -0.0041 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -14.935 | -0.0056 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -20.056 | -0.0075 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -21.029 | -0.0078 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -27.809 | -0.0103 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -36.578 | -0.0136 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -43.774 | -0.0163 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -47.493 | -0.0177 | -2.5 to 2.5 | Pass |
|       | 2498.5 | 25 | 0 | 20  | 3.27 | -37.594 | -0.0150 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -33.789 | -0.0135 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -28.524 | -0.0114 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -21.515 | -0.0086 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -12.531 | -0.0050 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -7.782  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.346   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.788   | 0.0007  | -2.5 to 2.5 | Pass |
|       | 2593   | 25 | 0 | 20  | 3.27 | -23.804 | -0.0092 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -27.623 | -0.0107 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -22.316 | -0.0086 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -19.283 | -0.0074 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -12.617 | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -12.245 | -0.0047 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -10.328 | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -13.447 | -0.0052 | -2.5 to 2.5 | Pass |
|       | 2687.5 | 25 | 0 | 20  | 3.27 | 8.240   | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 6.967   | 0.0026  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 21.358  | 0.0079  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 29.669  | 0.0110  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 47.293  | 0.0176  | -2.5 to 2.5 | Pass |

|  |  |  |  |     |      |        |         |             |      |
|--|--|--|--|-----|------|--------|---------|-------------|------|
|  |  |  |  | -10 | 3.85 | -1.388 | -0.0005 | -2.5 to 2.5 | Pass |
|  |  |  |  | 0   | 3.85 | 3.963  | 0.0015  | -2.5 to 2.5 | Pass |
|  |  |  |  | 10  | 3.85 | 7.024  | 0.0026  | -2.5 to 2.5 | Pass |
|  |  |  |  | 30  | 3.85 | 12.302 | 0.0046  | -2.5 to 2.5 | Pass |
|  |  |  |  | 40  | 3.85 | 17.152 | 0.0064  | -2.5 to 2.5 | Pass |
|  |  |  |  | 50  | 3.85 | 22.345 | 0.0083  | -2.5 to 2.5 | Pass |

## 2.2 B41\_10MHz

### 2.2.1 Test Result

| 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                        | 2501            | 50            | 0      | 20         | 3.27          | -14.992          | -0.0060               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -44.346          | -0.0177               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -28.954          | -0.0116               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -30.112          | -0.0120               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -39.454          | -0.0158               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -16.723          | -0.0067               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -44.618          | -0.0178               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -10.958          | -0.0044               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -29.869          | -0.0119               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -24.519          | -0.0098               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -31.171          | -0.0125               | -2.5 to 2.5 | Pass    |
|                             | 2593            | 50            | 0      | 20         | 3.27          | 8.254            | 0.0032                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -1.087           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -42.214          | -0.0163               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -18.454          | -0.0071               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -44.947          | -0.0173               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -45.605          | -0.0176               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -13.876          | -0.0054               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -38.524          | -0.0149               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -26.436          | -0.0102               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -47.636          | -0.0184               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -14.791          | -0.0057               | -2.5 to 2.5 | Pass    |
|                             | 2685            | 50            | 0      | 20         | 3.27          | 36.864           | 0.0137                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 36.621           | 0.0136                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 36.979           | 0.0138                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 34.418           | 0.0128                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 40.212           | 0.0150                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 42.815           | 0.0159                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 38.280           | 0.0143                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 37.665           | 0.0140                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 35.448           | 0.0132                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 34.246           | 0.0128                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 35.820           | 0.0133                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 2501            | 50            | 0      | 20         | 3.27          | -25.320          | -0.0101               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -3.333           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -32.501          | -0.0130               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -12.631          | -0.0051               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -40.326          | -0.0161               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -26.765          | -0.0107               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -17.281          | -0.0069               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -18.954          | -0.0076               | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |         |         |             |      |
|--|------|----|---|-----|------|---------|---------|-------------|------|
|  | 2593 | 50 | 0 | 30  | 3.85 | -48.122 | -0.0192 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -19.555 | -0.0078 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -40.112 | -0.0160 | -2.5 to 2.5 | Pass |
|  |      |    |   | 20  | 3.27 | -38.710 | -0.0149 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -27.623 | -0.0107 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | -12.846 | -0.0050 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -26.793 | -0.0103 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -45.118 | -0.0174 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -19.956 | -0.0077 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -31.986 | -0.0123 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -30.041 | -0.0116 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -6.580  | -0.0025 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -7.839  | -0.0030 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -19.612 | -0.0076 | -2.5 to 2.5 | Pass |
|  | 2685 | 50 | 0 | 20  | 3.27 | 35.462  | 0.0132  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | 39.282  | 0.0146  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | 37.065  | 0.0138  | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | 33.574  | 0.0125  | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | 30.985  | 0.0115  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | 35.019  | 0.0130  | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | 47.379  | 0.0176  | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -12.088 | -0.0045 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -22.359 | -0.0083 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -26.364 | -0.0098 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -29.769 | -0.0111 | -2.5 to 2.5 | Pass |

## 2.3 B41\_15MHz

### 2.3.1 Test Result

| 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                        | 2503.5          | 75            | 0      | 20         | 3.27          | 29.283           | 0.0117                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 33.259           | 0.0133                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 22.774           | 0.0091                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 4.520            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -15.078          | -0.0060               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -24.548          | -0.0098               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -31.099          | -0.0124               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -29.397          | -0.0117               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -24.076          | -0.0096               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -30.341          | -0.0121               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -40.927          | -0.0163               | -2.5 to 2.5 | Pass    |
|                             | 2593            | 75            | 0      | 20         | 3.27          | 28.925           | 0.0112                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 9.542            | 0.0037                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -34.375          | -0.0133               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -11.415          | -0.0044               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -36.778          | -0.0142               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -26.779          | -0.0103               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -20.671          | -0.0080               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -21.558          | -0.0083               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -40.483          | -0.0156               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -21.544          | -0.0083               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -38.638          | -0.0149               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       | 2682.5 | 75 | 0 | 20  | 3.27 | 12.975  | 0.0048  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 32.830  | 0.0122  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 31.328  | 0.0117  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 34.189  | 0.0127  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 28.539  | 0.0106  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 17.080  | 0.0064  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 8.740   | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.874   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -2.575  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -7.539  | -0.0028 | -2.5 to 2.5 | Pass |
| 16QAM | 2503.5 | 75 | 0 | 20  | 3.27 | -48.137 | -0.0192 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -38.009 | -0.0152 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -23.818 | -0.0095 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -28.052 | -0.0112 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -15.464 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -3.433  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 11.344  | 0.0045  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 18.325  | 0.0073  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 22.416  | 0.0090  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 35.834  | 0.0143  | -2.5 to 2.5 | Pass |
|       | 2593   | 75 | 0 | 20  | 3.27 | -50.812 | -0.0196 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -44.045 | -0.0170 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -36.092 | -0.0139 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -32.301 | -0.0125 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -27.008 | -0.0104 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -40.569 | -0.0156 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -29.941 | -0.0115 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -18.511 | -0.0071 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -3.047  | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 2.189   | 0.0008  | -2.5 to 2.5 | Pass |
|       | 2682.5 | 75 | 0 | 20  | 3.27 | -12.989 | -0.0048 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 0.615   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 20.599  | 0.0077  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 31.114  | 0.0116  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 27.623  | 0.0103  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 34.976  | 0.0130  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -12.603 | -0.0047 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -3.805  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 1.845   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 11.830  | 0.0044  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 22.559  | 0.0084  | -2.5 to 2.5 | Pass |

## 2.4 B41\_20MHz

### 2.4.1 Test Result

| 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                        | 2506            | 100           | 0      | 20         | 3.27          | -14.262          | -0.0057               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -48.652          | -0.0194               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -39.854          | -0.0159               | -2.5 to 2.5 | Pass    |



|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
|       |      |     |   | -30 | 3.85 | -41.771 | -0.0167 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -34.847 | -0.0139 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -33.288 | -0.0133 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -24.247 | -0.0097 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -22.502 | -0.0090 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -38.881 | -0.0155 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -24.276 | -0.0097 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -2.303  | -0.0009 | -2.5 to 2.5 | Pass |
|       | 2593 | 100 | 0 | 20  | 3.27 | 7.439   | 0.0029  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -25.034 | -0.0097 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -11.544 | -0.0045 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -35.019 | -0.0135 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -24.562 | -0.0095 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -38.123 | -0.0147 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -10.915 | -0.0042 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -44.746 | -0.0173 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -43.874 | -0.0169 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -12.760 | -0.0049 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -25.077 | -0.0097 | -2.5 to 2.5 | Pass |
|       | 2680 | 100 | 0 | 20  | 3.27 | 29.655  | 0.0111  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 18.125  | 0.0068  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 28.253  | 0.0105  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 18.482  | 0.0069  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 21.744  | 0.0081  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 26.364  | 0.0098  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 19.598  | 0.0073  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 16.980  | 0.0063  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 18.353  | 0.0068  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 13.289  | 0.0050  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 2.446   | 0.0009  | -2.5 to 2.5 | Pass |
| 16QAM | 2506 | 100 | 0 | 20  | 3.27 | -33.617 | -0.0134 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -17.037 | -0.0068 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -45.018 | -0.0180 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -40.884 | -0.0163 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -1.273  | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -25.263 | -0.0101 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -44.889 | -0.0179 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -23.189 | -0.0093 | -2.5 to 2.5 | Pass |
|       | 2593 | 100 | 0 | 30  | 3.85 | -38.109 | -0.0152 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 3.448   | 0.0014  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -14.577 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | -47.822 | -0.0184 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -18.797 | -0.0072 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -38.538 | -0.0149 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -16.608 | -0.0064 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -25.892 | -0.0100 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -42.615 | -0.0164 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -7.739  | -0.0030 | -2.5 to 2.5 | Pass |
|       | 2680 | 100 | 0 | 10  | 3.85 | -22.817 | -0.0088 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -36.964 | -0.0143 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -48.451 | -0.0187 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 8.483   | 0.0033  | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 1.116   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 5.822   | 0.0022  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 7.095   | 0.0026  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 14.048  | 0.0052  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 26.879  | 0.0100  | -2.5 to 2.5 | Pass |

|  |  |  |  |     |      |        |         |             |      |
|--|--|--|--|-----|------|--------|---------|-------------|------|
|  |  |  |  | -10 | 3.85 | 23.232 | 0.0087  | -2.5 to 2.5 | Pass |
|  |  |  |  | 0   | 3.85 | 27.223 | 0.0102  | -2.5 to 2.5 | Pass |
|  |  |  |  | 10  | 3.85 | 25.420 | 0.0095  | -2.5 to 2.5 | Pass |
|  |  |  |  | 30  | 3.85 | 37.866 | 0.0141  | -2.5 to 2.5 | Pass |
|  |  |  |  | 40  | 3.85 | -9.327 | -0.0035 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50  | 3.85 | -2.918 | -0.0011 | -2.5 to 2.5 | Pass |

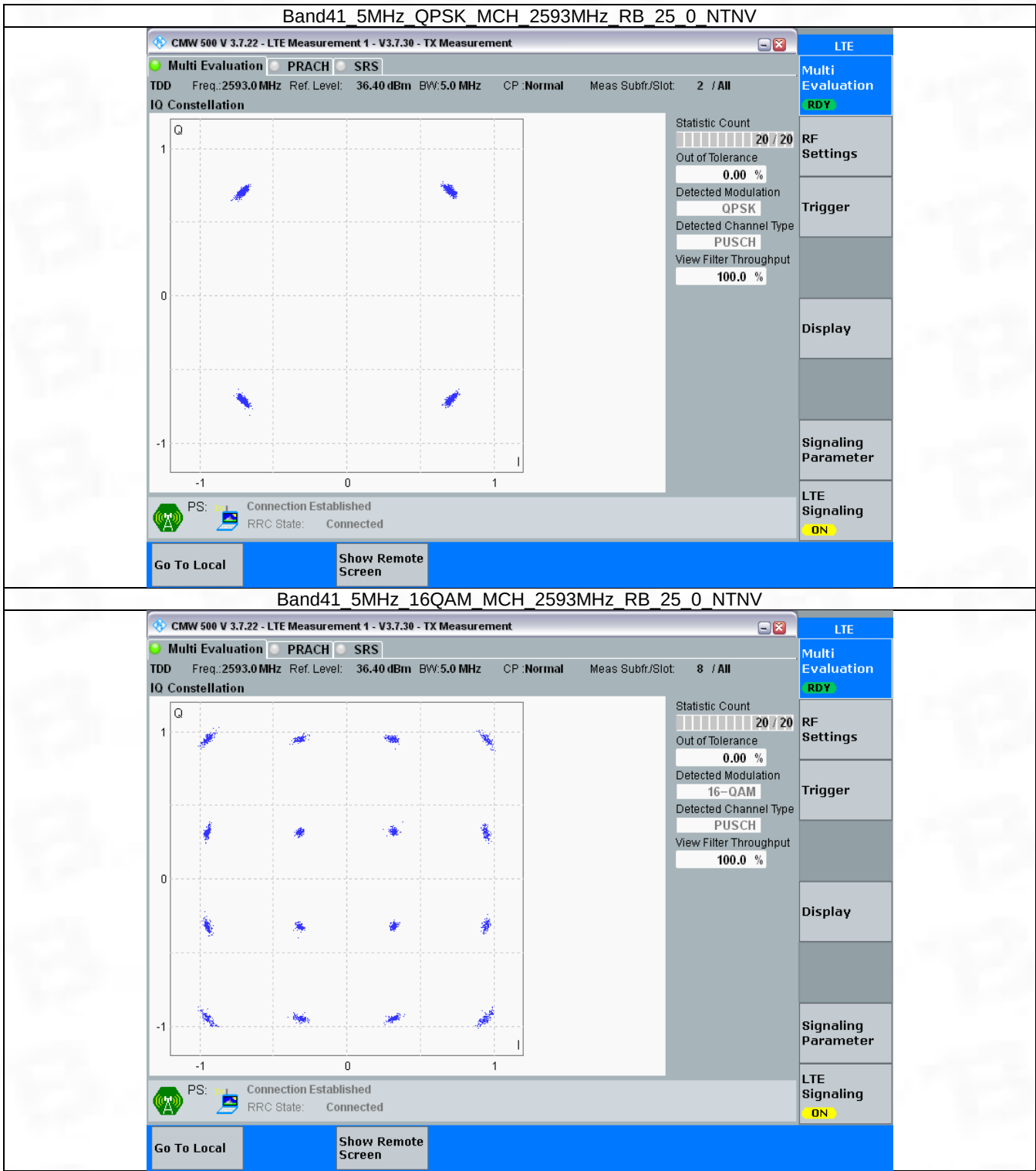
### 3. Modulation Characteristics

#### 3.1 B41\_5MHz

##### 3.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2593            | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2593            | 25            | 0      | Refer To Test Graph        |       | Pass    |

3.1.2 Test Graph

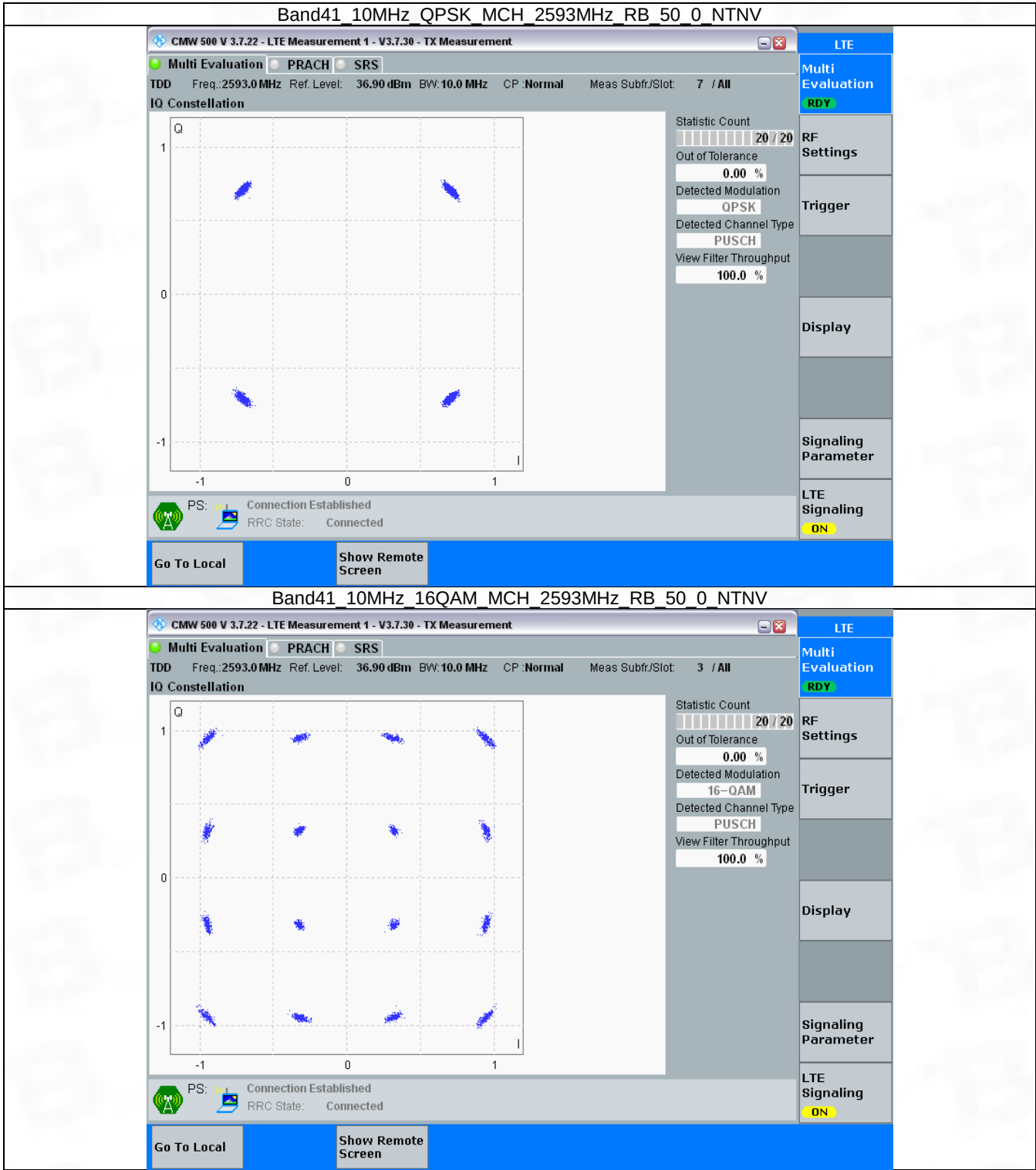


## 3.2 B41\_10MHz

### 3.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz / NTVN |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 2593            | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 2593            | 50            | 0      | Refer To Test Graph        |       | Pass    |

3.2.2 Test Graph

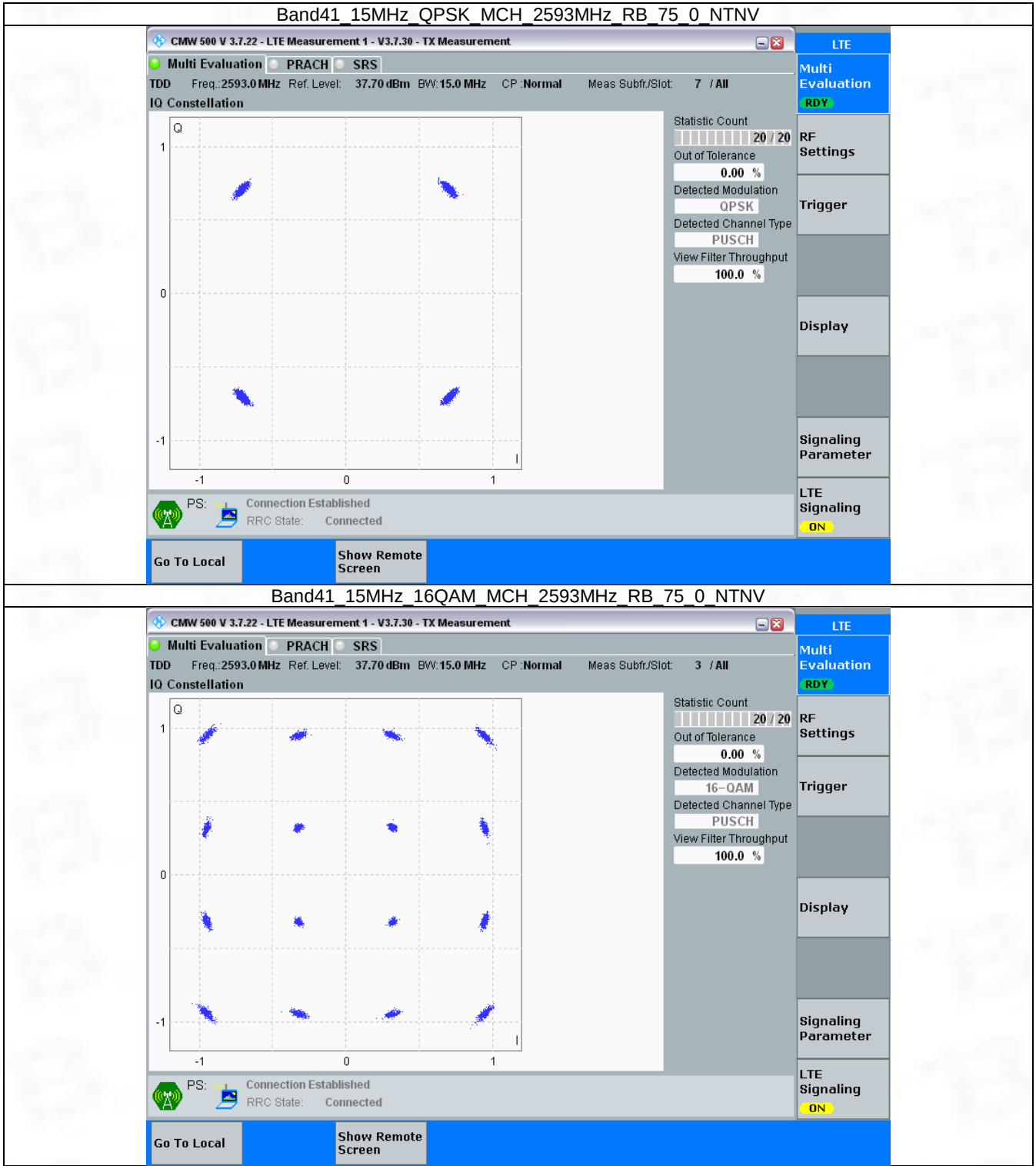


### 3.3 B41\_15MHz

#### 3.3.1 Test Result

| Band: 41 / Bandwidth: 15MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2593            | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2593            | 75            | 0      | Refer To Test Graph        |       | Pass    |

3.3.2 Test Graph



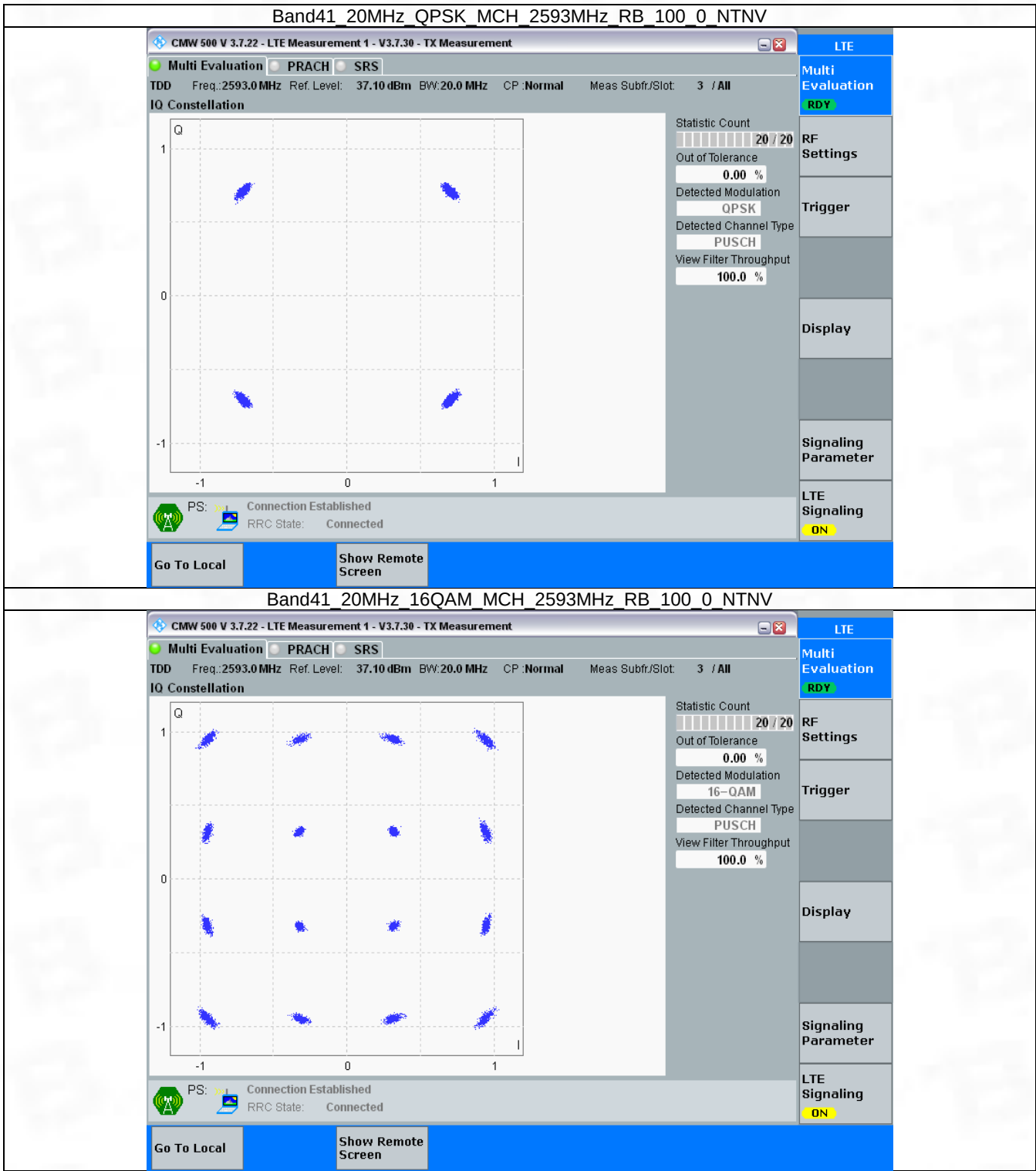
### 3.4 B41\_20MHz

#### 3.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2593            | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2593            | 100           | 0      | Refer To Test Graph        |       | Pass    |



3.4.2 Test Graph



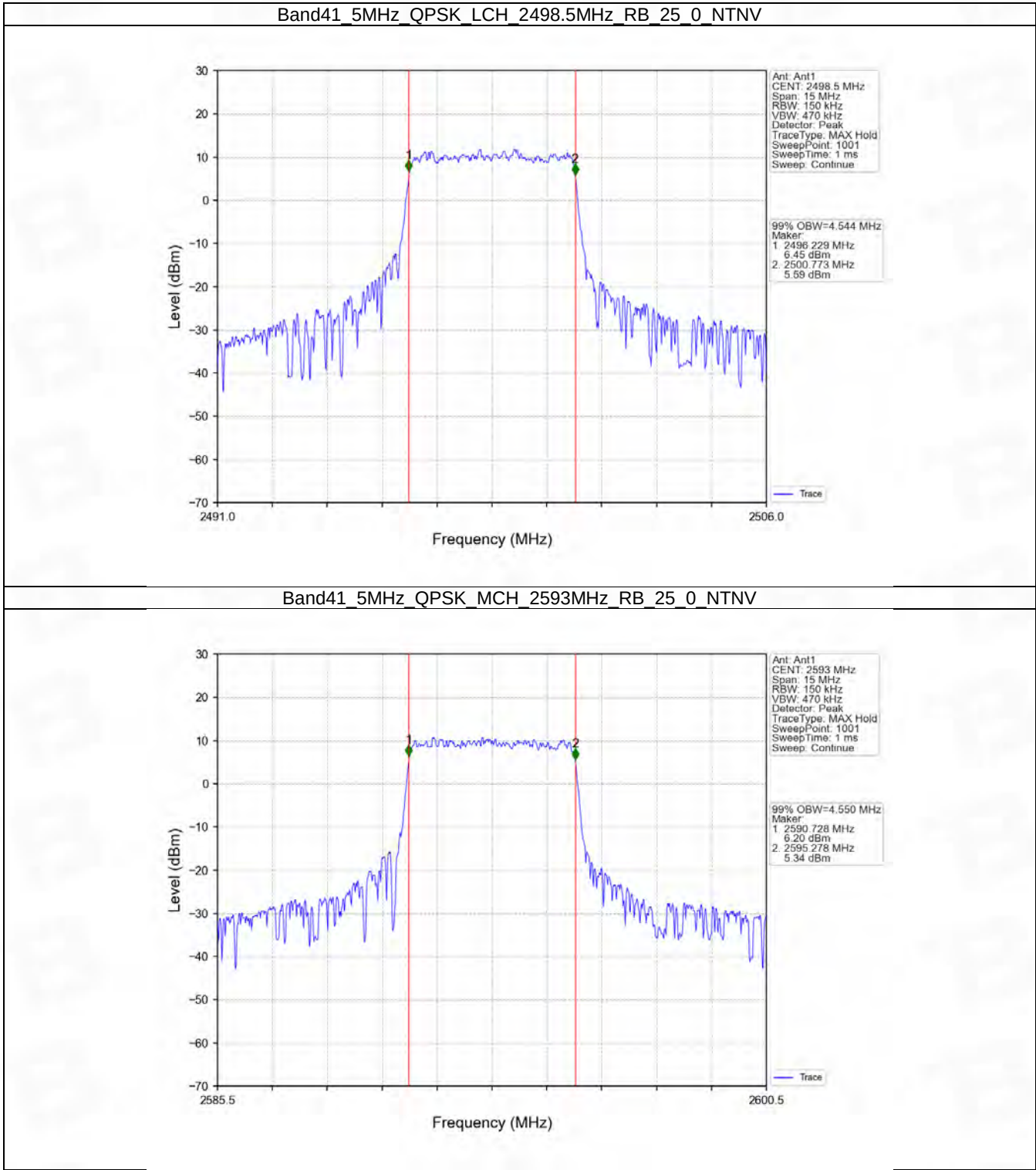
## 4. 99% & 26dB Bandwidth

### 4.1 Band41\_OBW

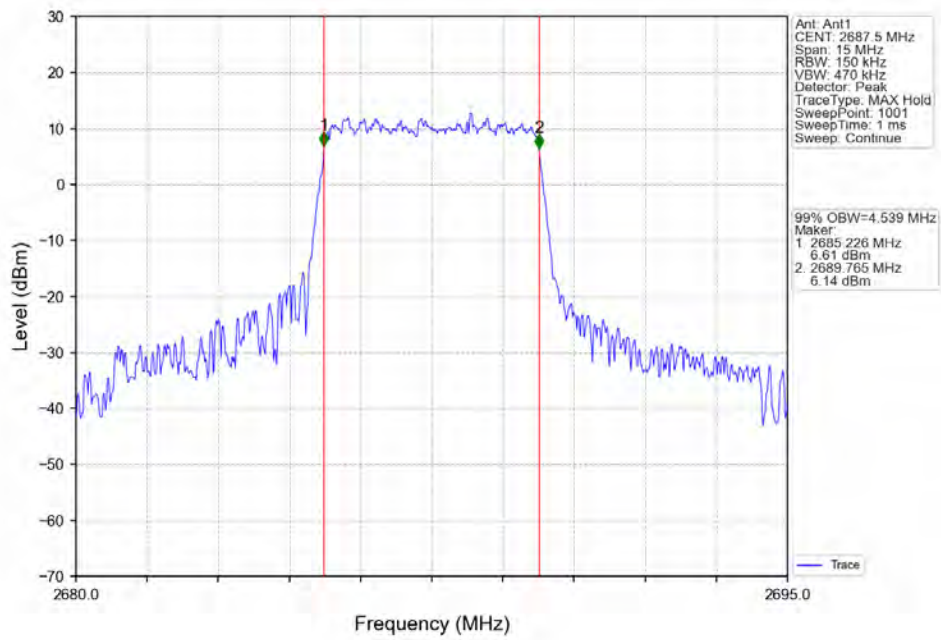
#### 4.1.1 Test Result

| Band: 41 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2498.5          | 25            | 0      | 4.544                        | /     | Pass    |
|                 |            | 2593            | 25            | 0      | 4.550                        | /     | Pass    |
|                 |            | 2687.5          | 25            | 0      | 4.539                        | /     | Pass    |
|                 | 16QAM      | 2498.5          | 25            | 0      | 4.512                        | /     | Pass    |
|                 |            | 2593            | 25            | 0      | 4.586                        | /     | Pass    |
|                 |            | 2687.5          | 25            | 0      | 4.558                        | /     | Pass    |
| 10              | QPSK       | 2501            | 50            | 0      | 9.091                        | /     | Pass    |
|                 |            | 2593            | 50            | 0      | 9.056                        | /     | Pass    |
|                 |            | 2685            | 50            | 0      | 9.037                        | /     | Pass    |
|                 | 16QAM      | 2501            | 50            | 0      | 9.086                        | /     | Pass    |
|                 |            | 2593            | 50            | 0      | 9.046                        | /     | Pass    |
|                 |            | 2685            | 50            | 0      | 9.057                        | /     | Pass    |
| 15              | QPSK       | 2503.5          | 75            | 0      | 13.631                       | /     | Pass    |
|                 |            | 2593            | 75            | 0      | 13.588                       | /     | Pass    |
|                 |            | 2682.5          | 75            | 0      | 13.591                       | /     | Pass    |
|                 | 16QAM      | 2503.5          | 75            | 0      | 13.628                       | /     | Pass    |
|                 |            | 2593            | 75            | 0      | 13.518                       | /     | Pass    |
|                 |            | 2682.5          | 75            | 0      | 13.642                       | /     | Pass    |
| 20              | QPSK       | 2506            | 100           | 0      | 18.107                       | /     | Pass    |
|                 |            | 2593            | 100           | 0      | 18.162                       | /     | Pass    |
|                 |            | 2680            | 100           | 0      | 18.151                       | /     | Pass    |
|                 | 16QAM      | 2506            | 100           | 0      | 18.158                       | /     | Pass    |
|                 |            | 2593            | 100           | 0      | 18.167                       | /     | Pass    |
|                 |            | 2680            | 100           | 0      | 18.110                       | /     | Pass    |

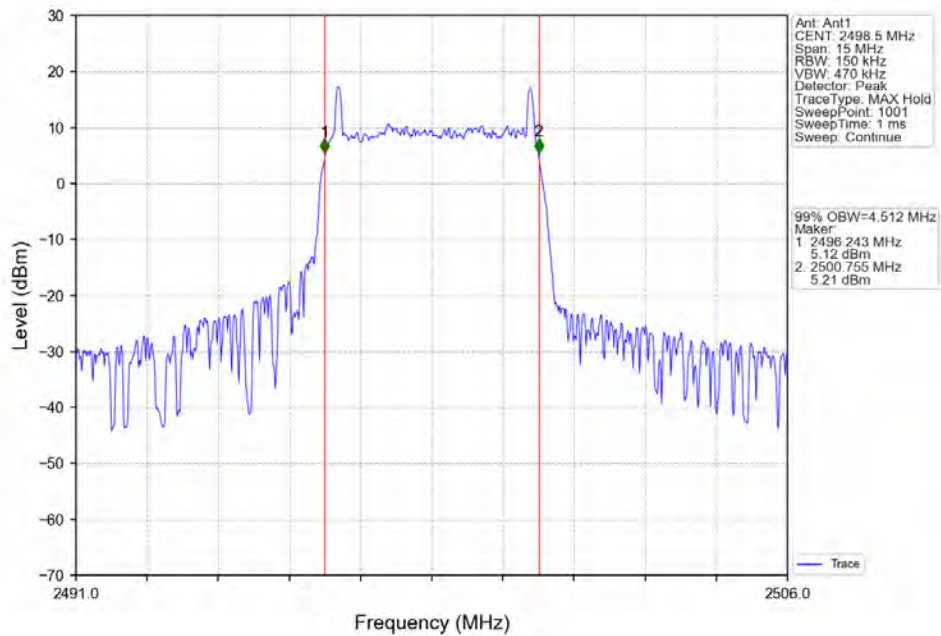
4.1.2 Test Graph



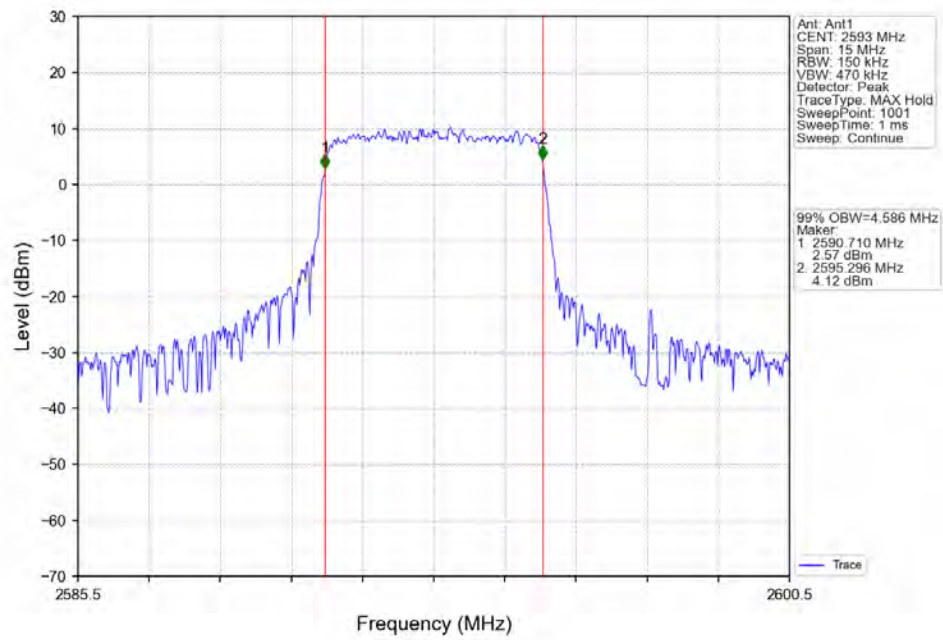
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



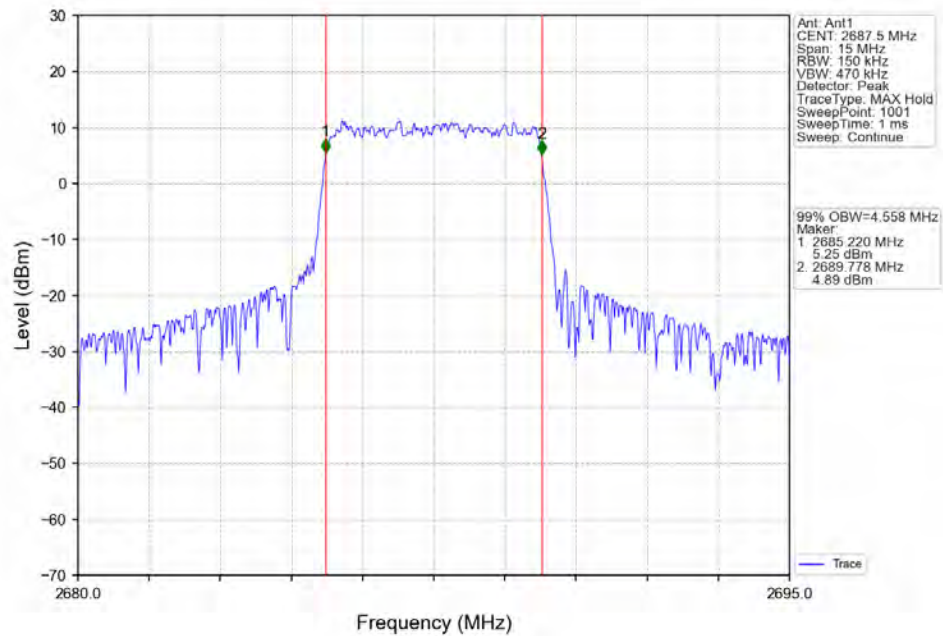
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



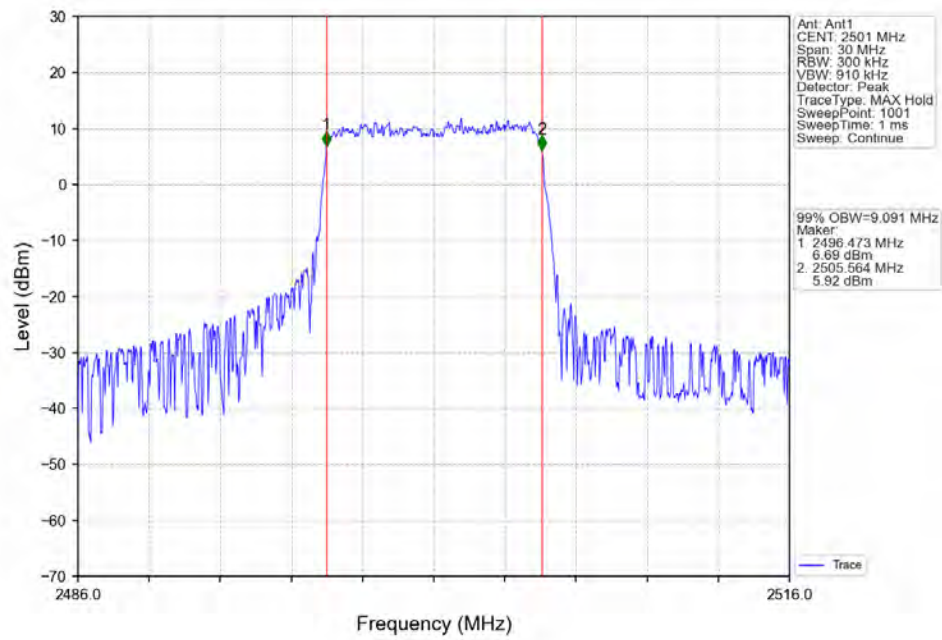
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



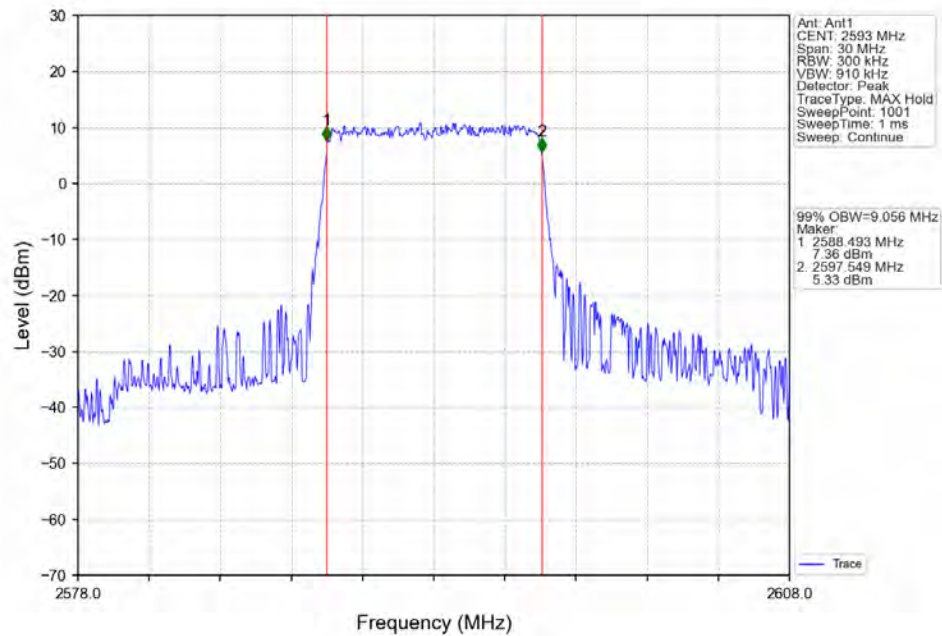
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV

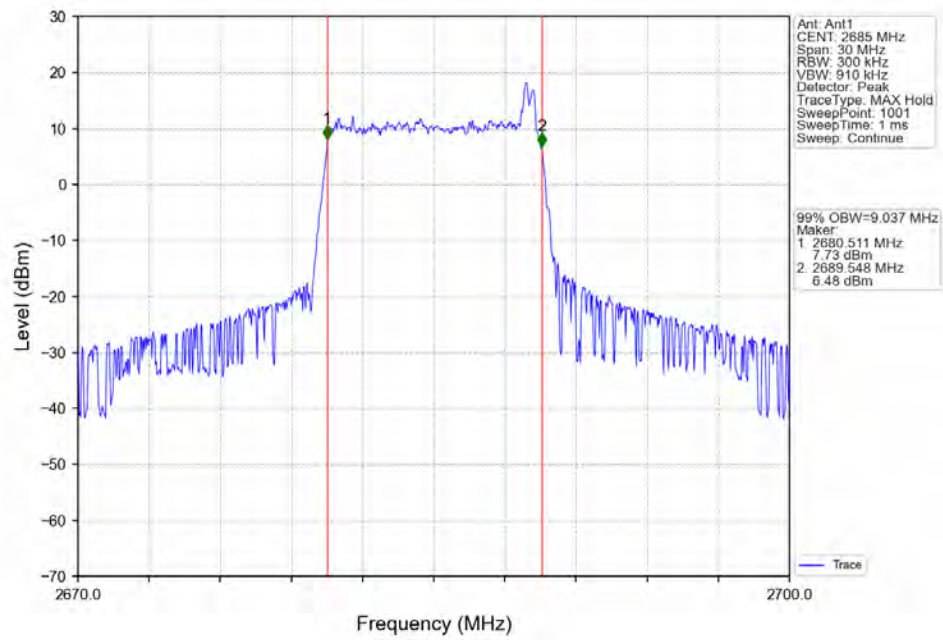


Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV

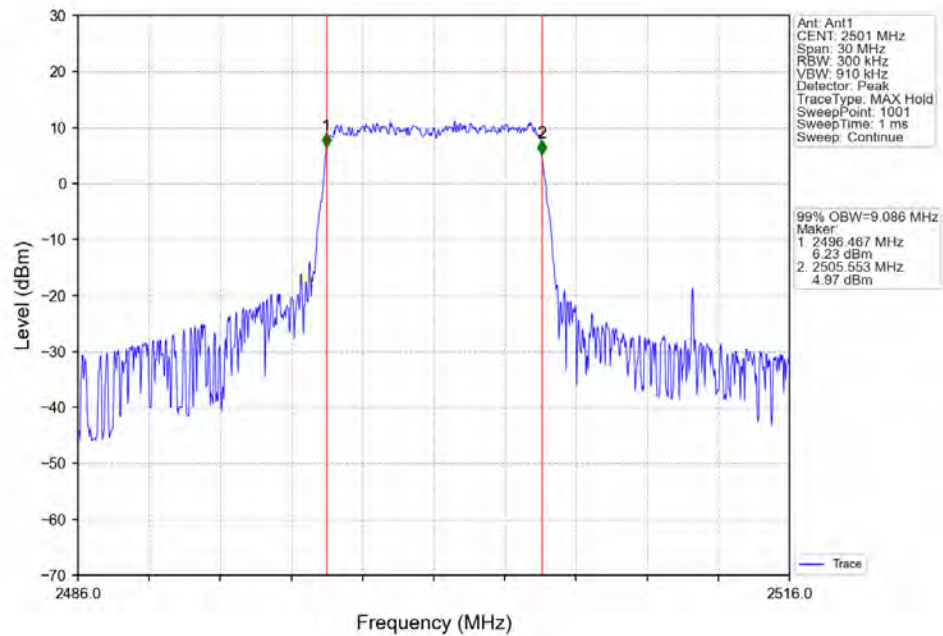




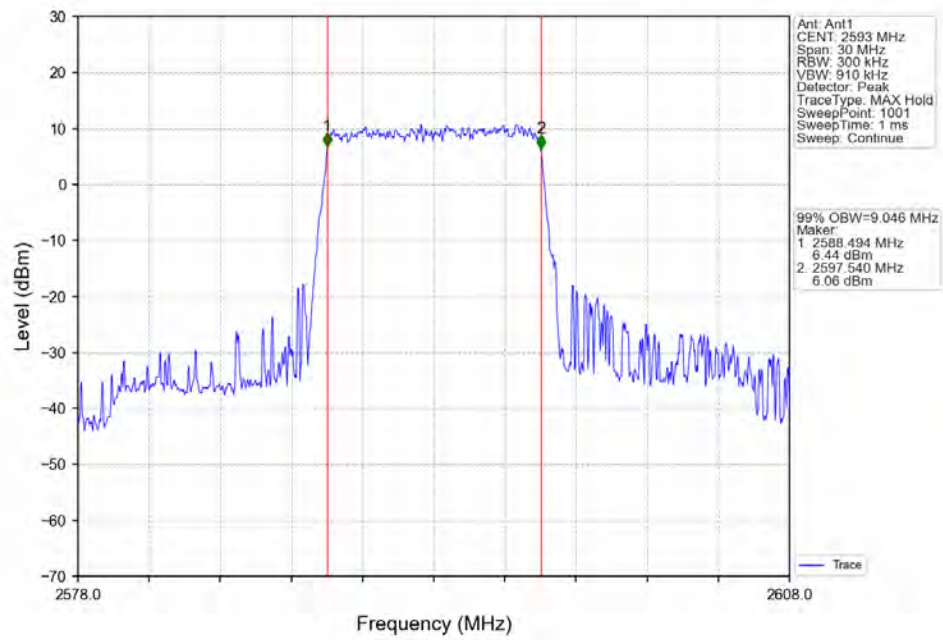
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



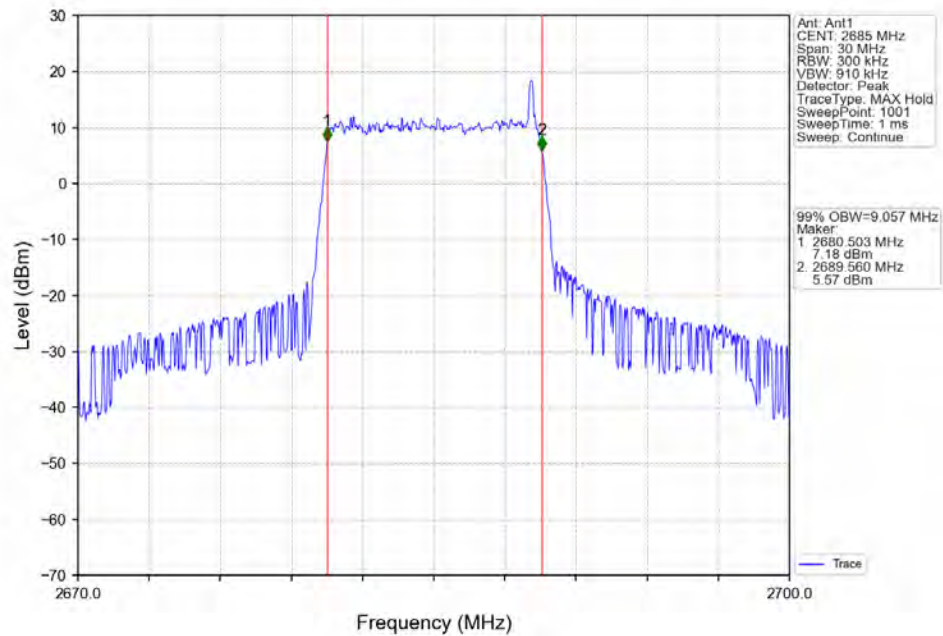
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV

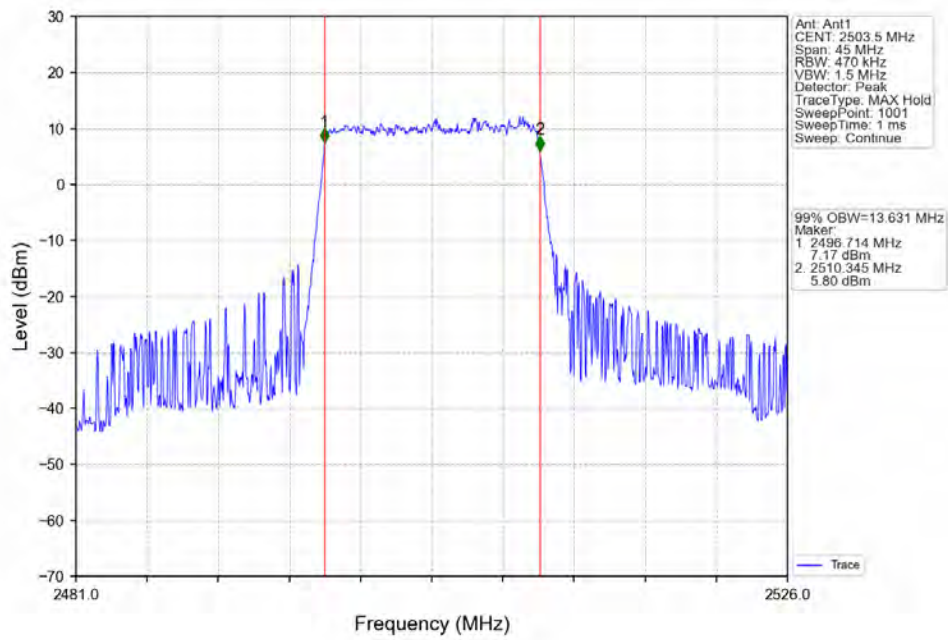


Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV

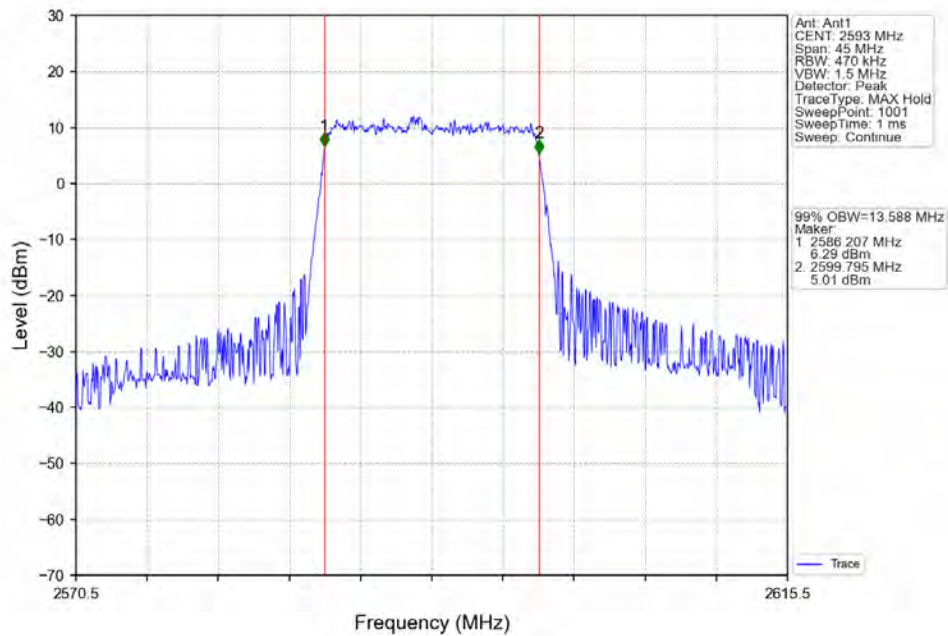




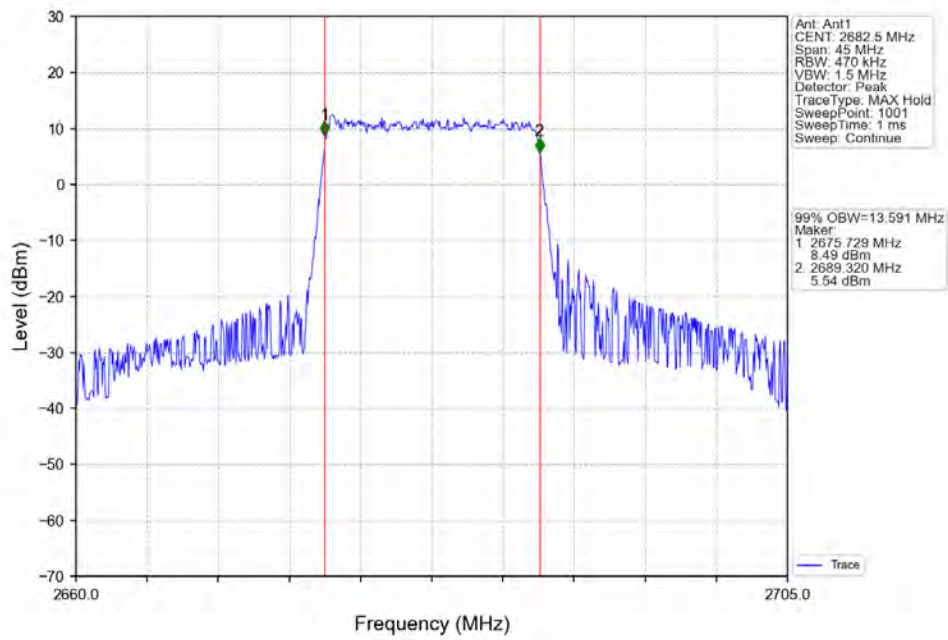
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



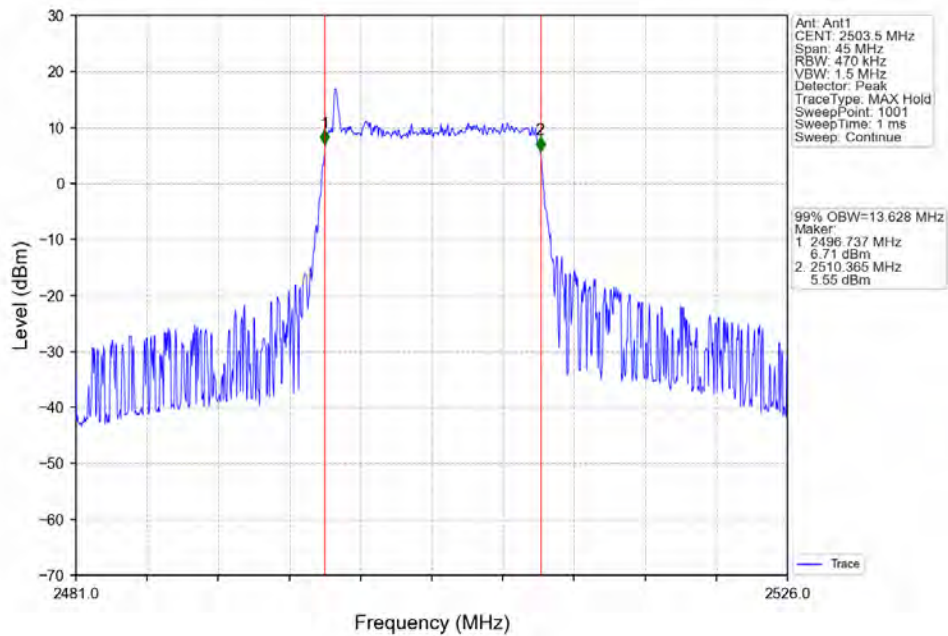
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



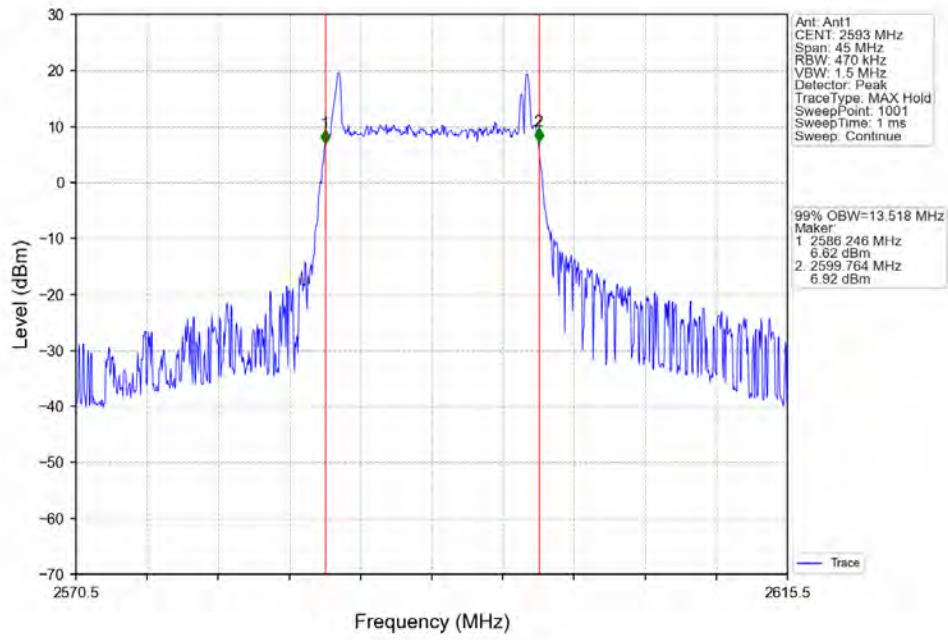
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



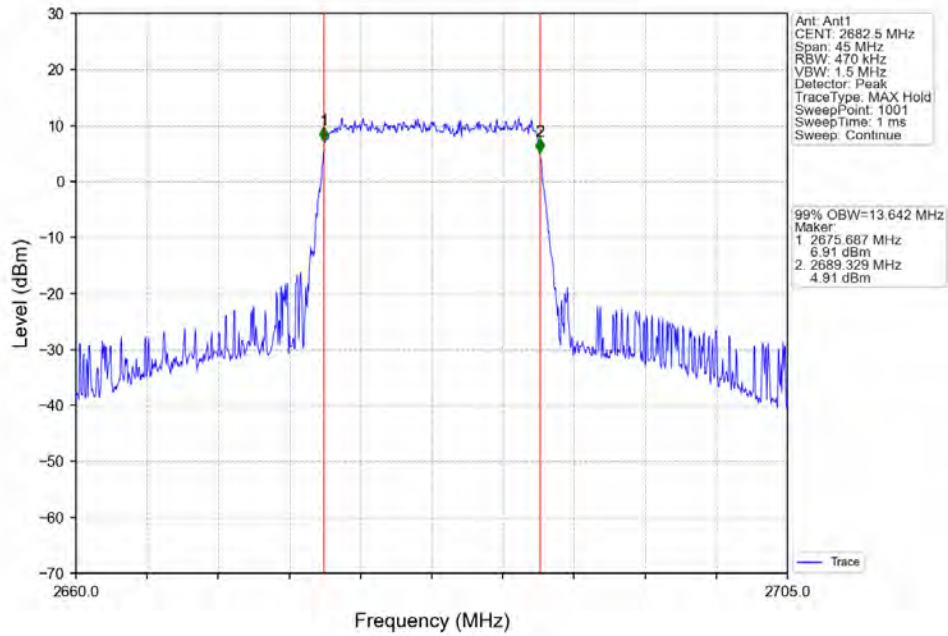
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



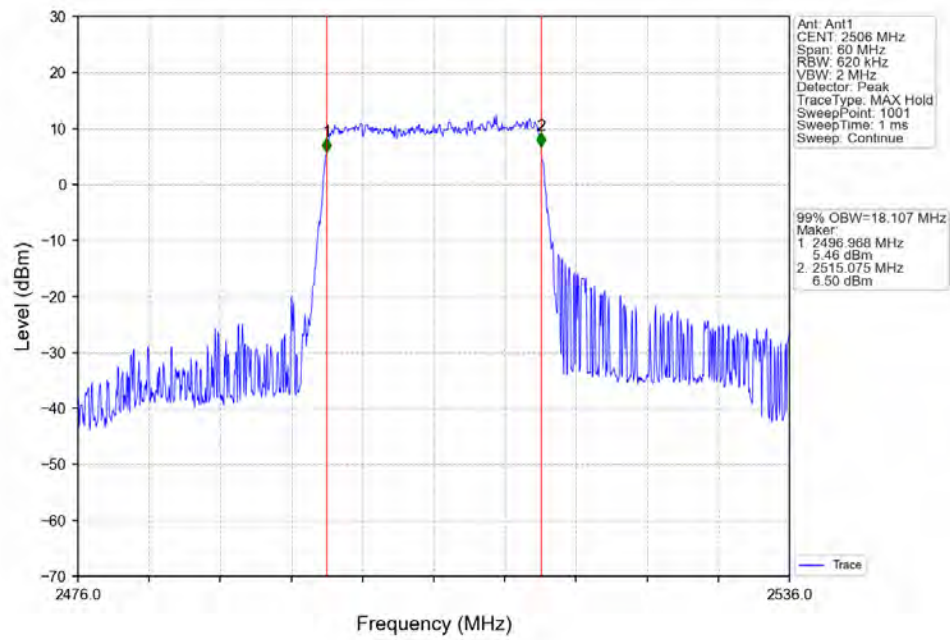
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



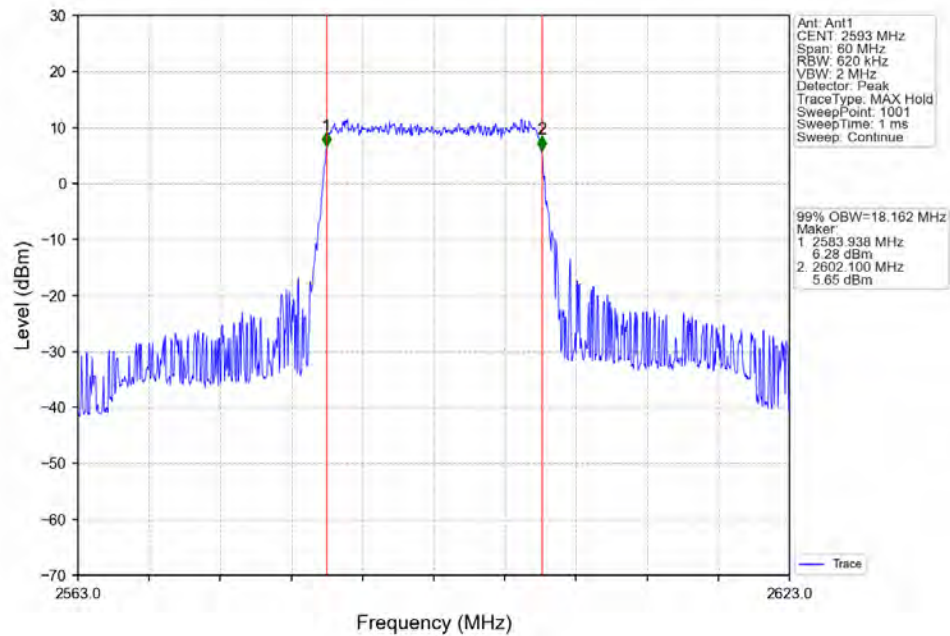
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



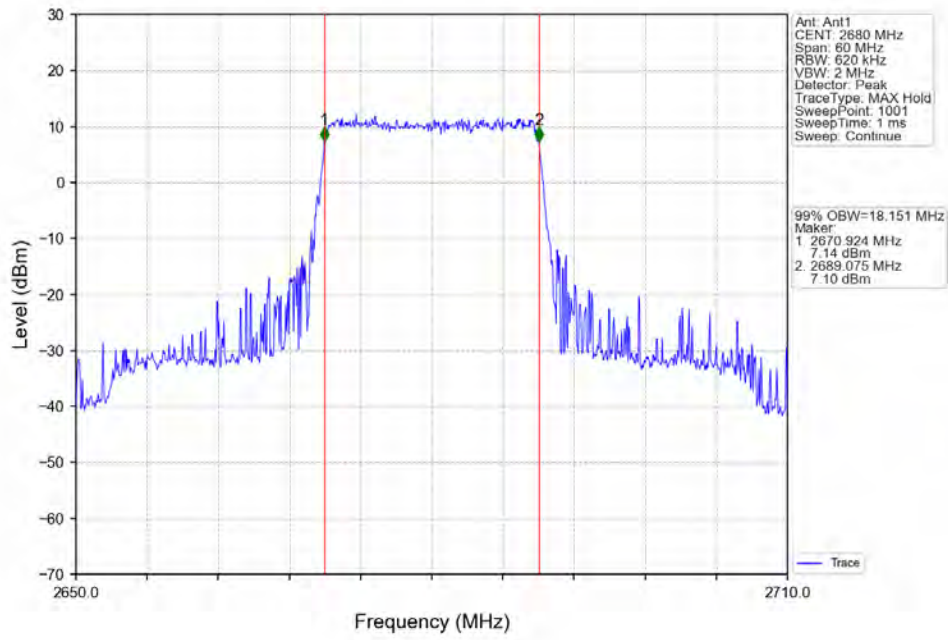
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



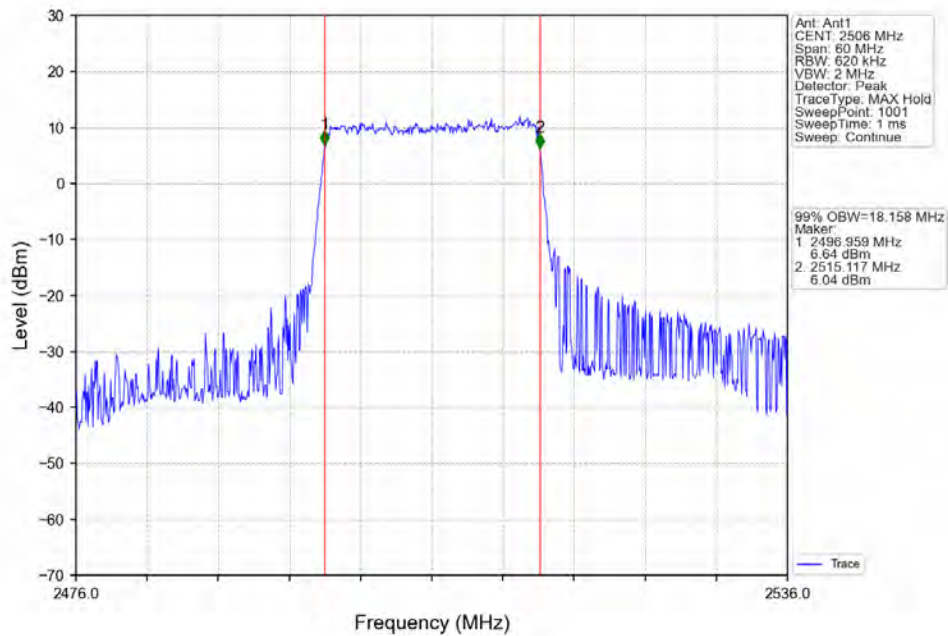
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV

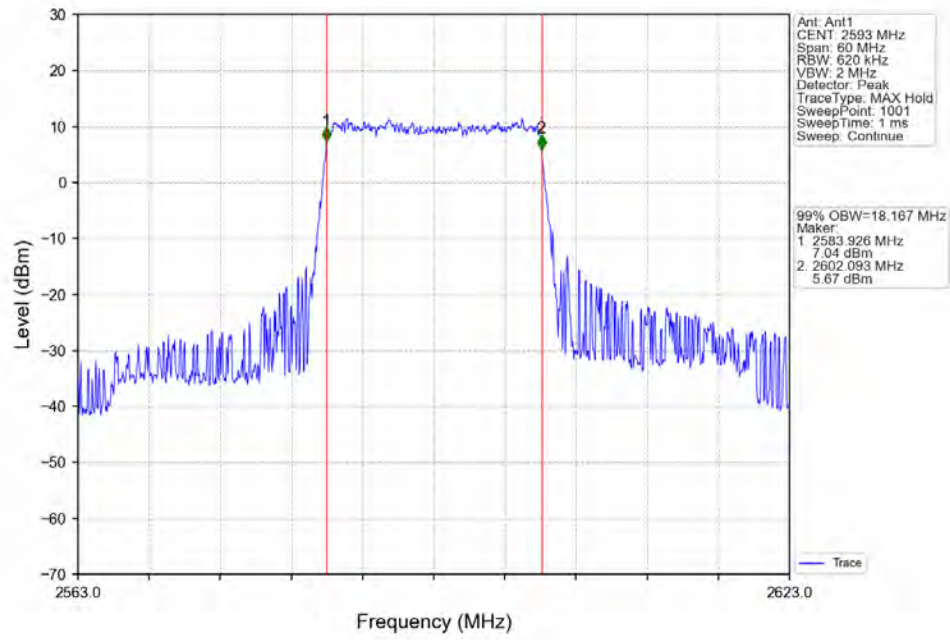


Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV

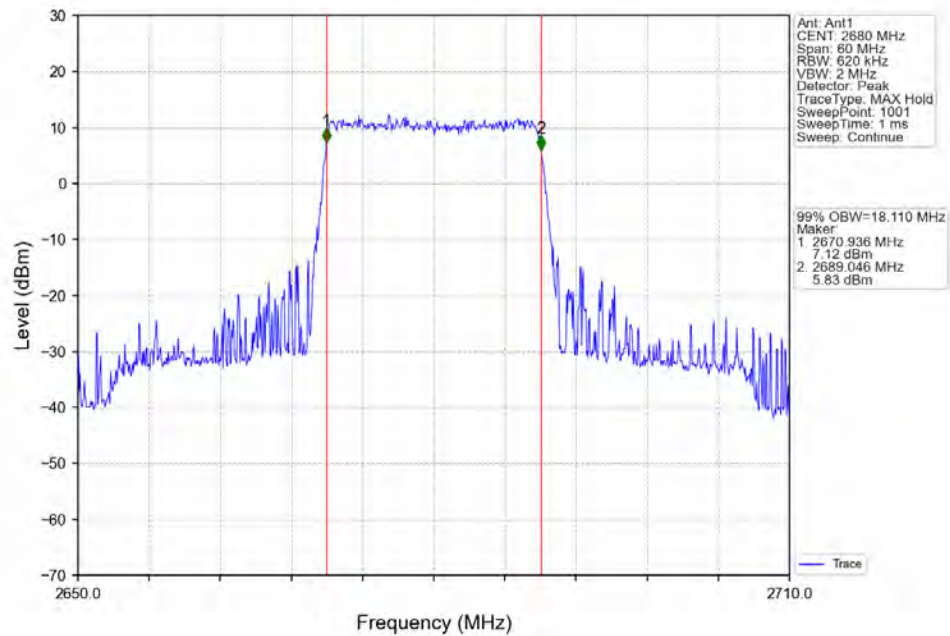




Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTN



Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTN

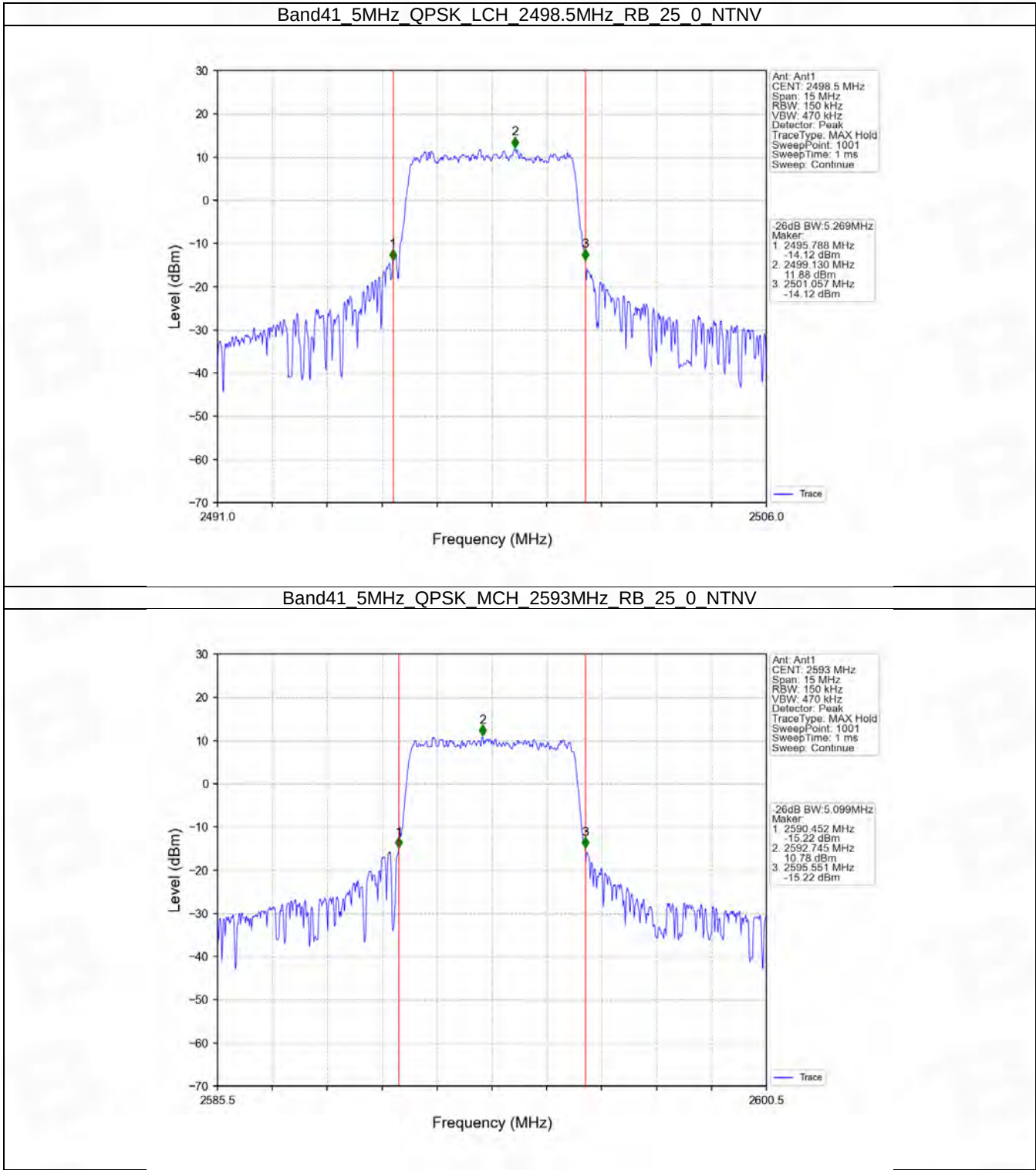


## 4.2 Band41\_XDB

### 4.2.1 Test Result

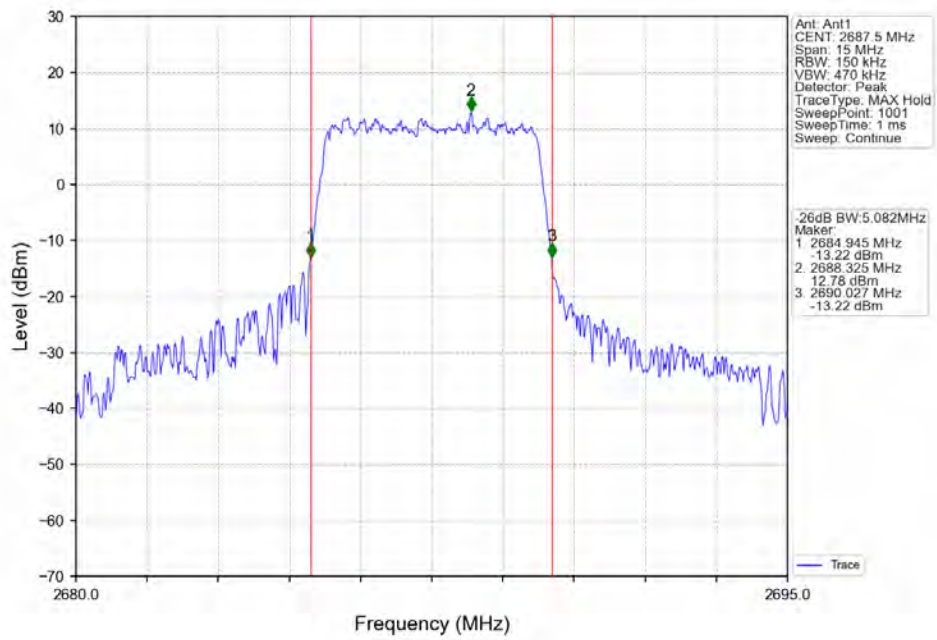
| Band: 41 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2498.5          | 25            | 0      | 5.269                | /     | Pass    |
|                 |            | 2593            | 25            | 0      | 5.099                | /     | Pass    |
|                 |            | 2687.5          | 25            | 0      | 5.082                | /     | Pass    |
|                 | 16QAM      | 2498.5          | 25            | 0      | 4.875                | /     | Pass    |
|                 |            | 2593            | 25            | 0      | 5.360                | /     | Pass    |
|                 |            | 2687.5          | 25            | 0      | 5.221                | /     | Pass    |
| 10              | QPSK       | 2501            | 50            | 0      | 10.185               | /     | Pass    |
|                 |            | 2593            | 50            | 0      | 10.237               | /     | Pass    |
|                 |            | 2685            | 50            | 0      | 9.795                | /     | Pass    |
|                 | 16QAM      | 2501            | 50            | 0      | 10.338               | /     | Pass    |
|                 |            | 2593            | 50            | 0      | 10.171               | /     | Pass    |
|                 |            | 2685            | 50            | 0      | 9.778                | /     | Pass    |
| 15              | QPSK       | 2503.5          | 75            | 0      | 15.456               | /     | Pass    |
|                 |            | 2593            | 75            | 0      | 15.636               | /     | Pass    |
|                 |            | 2682.5          | 75            | 0      | 15.557               | /     | Pass    |
|                 | 16QAM      | 2503.5          | 75            | 0      | 14.803               | /     | Pass    |
|                 |            | 2593            | 75            | 0      | 14.466               | /     | Pass    |
|                 |            | 2682.5          | 75            | 0      | 15.369               | /     | Pass    |
| 20              | QPSK       | 2506            | 100           | 0      | 20.795               | /     | Pass    |
|                 |            | 2593            | 100           | 0      | 21.610               | /     | Pass    |
|                 |            | 2680            | 100           | 0      | 22.299               | /     | Pass    |
|                 | 16QAM      | 2506            | 100           | 0      | 20.776               | /     | Pass    |
|                 |            | 2593            | 100           | 0      | 21.328               | /     | Pass    |
|                 |            | 2680            | 100           | 0      | 20.618               | /     | Pass    |

4.2.2 Test Graph

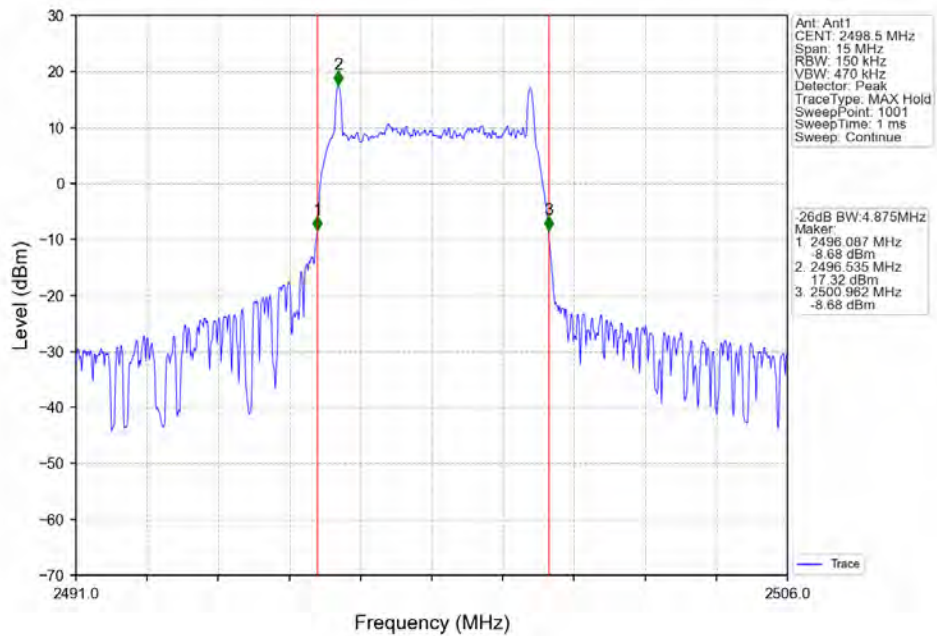




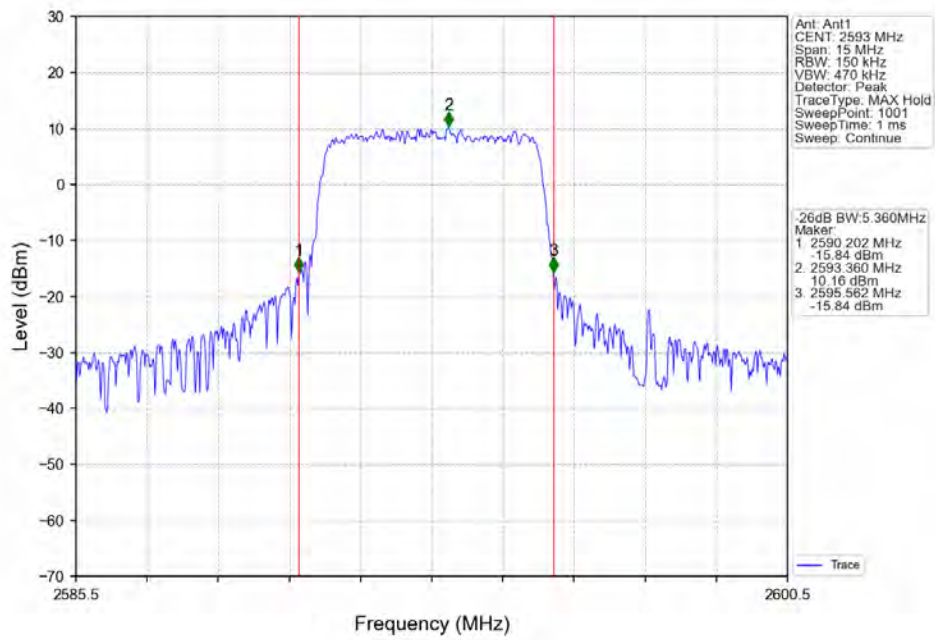
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



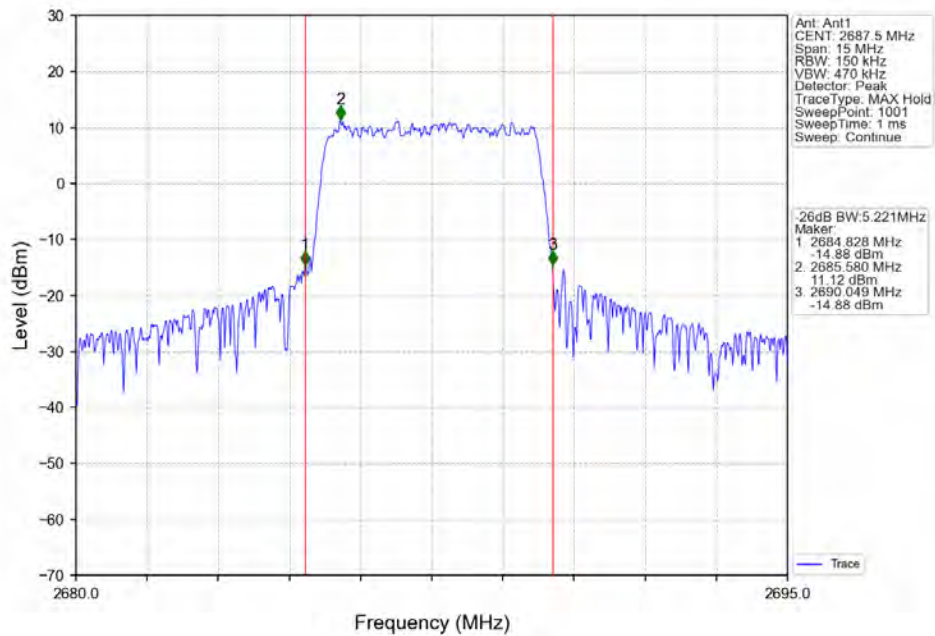
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



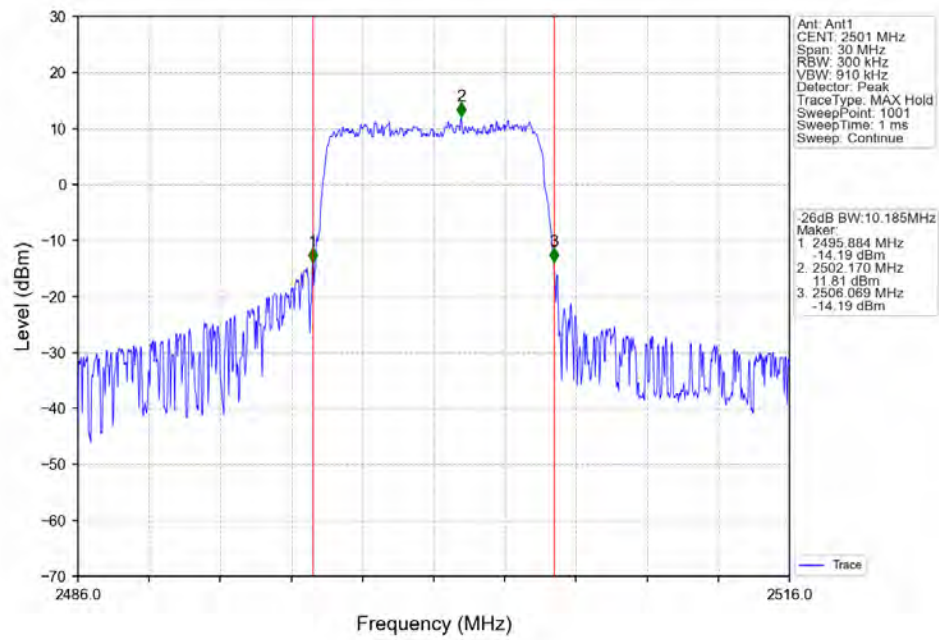
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



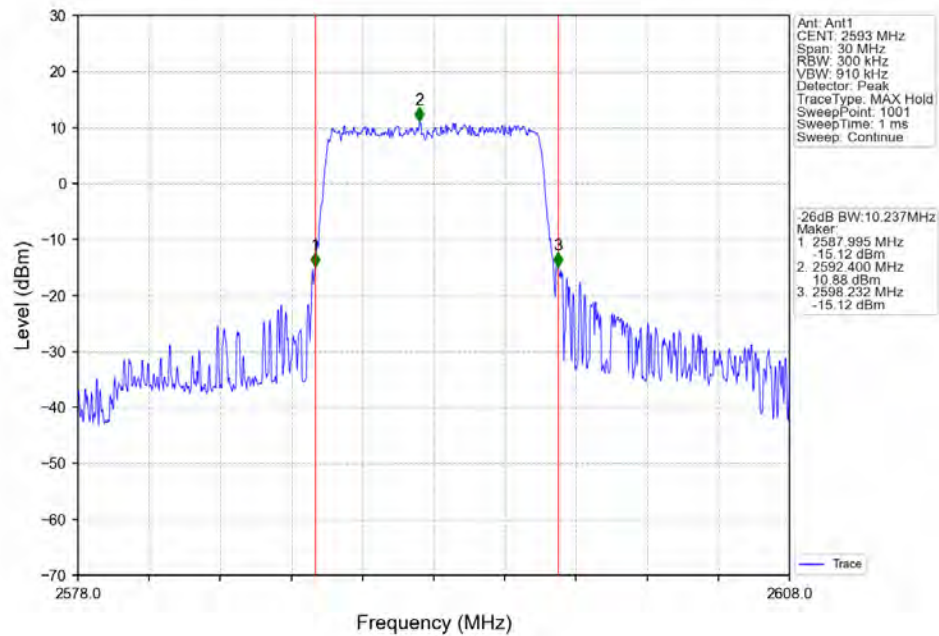
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



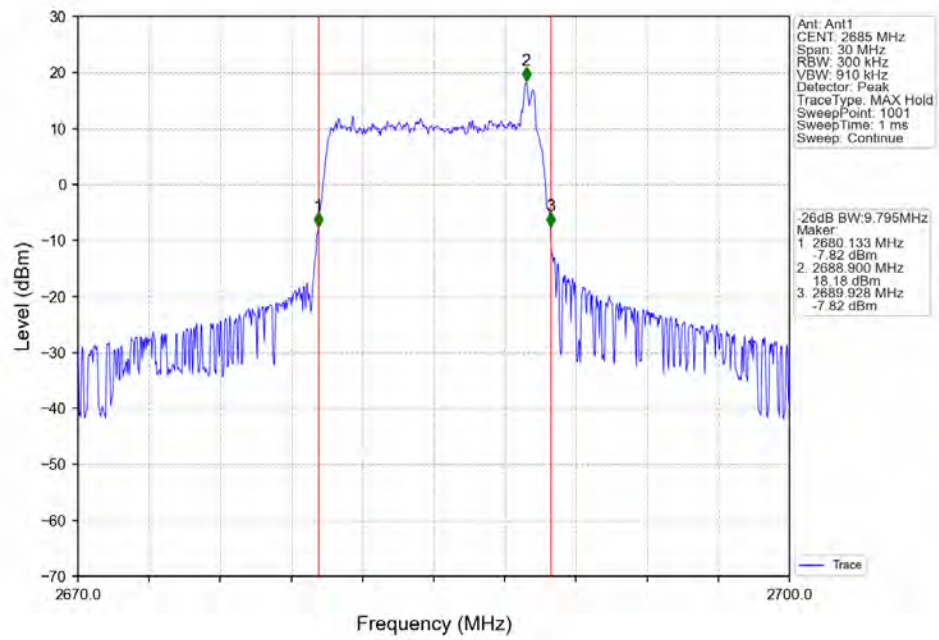
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



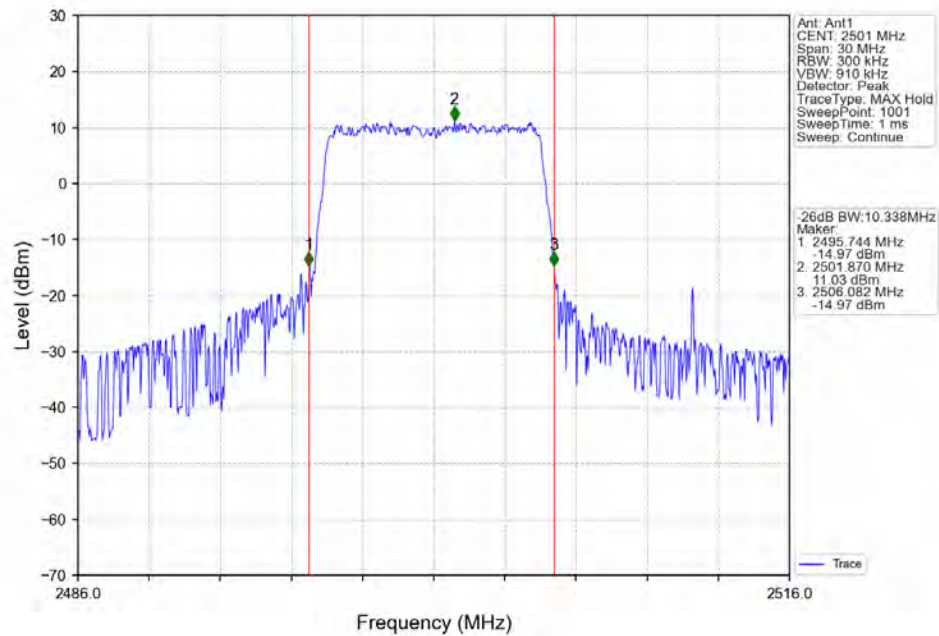
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



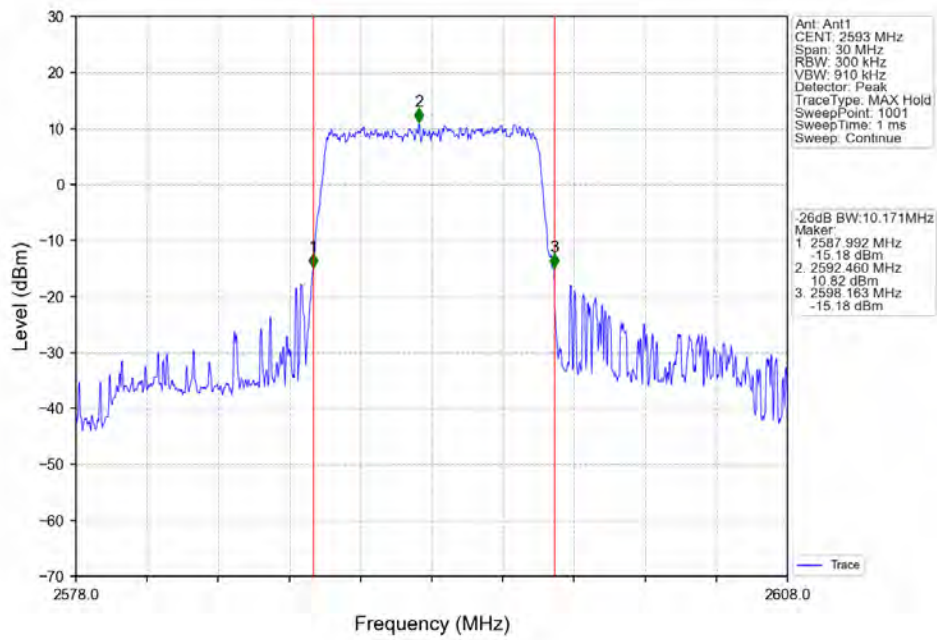
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



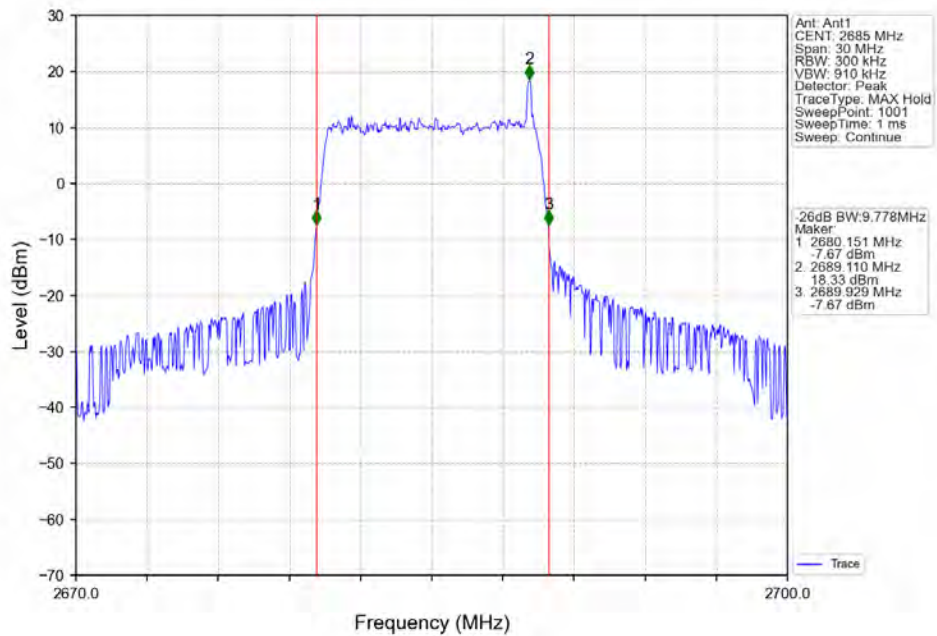
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV

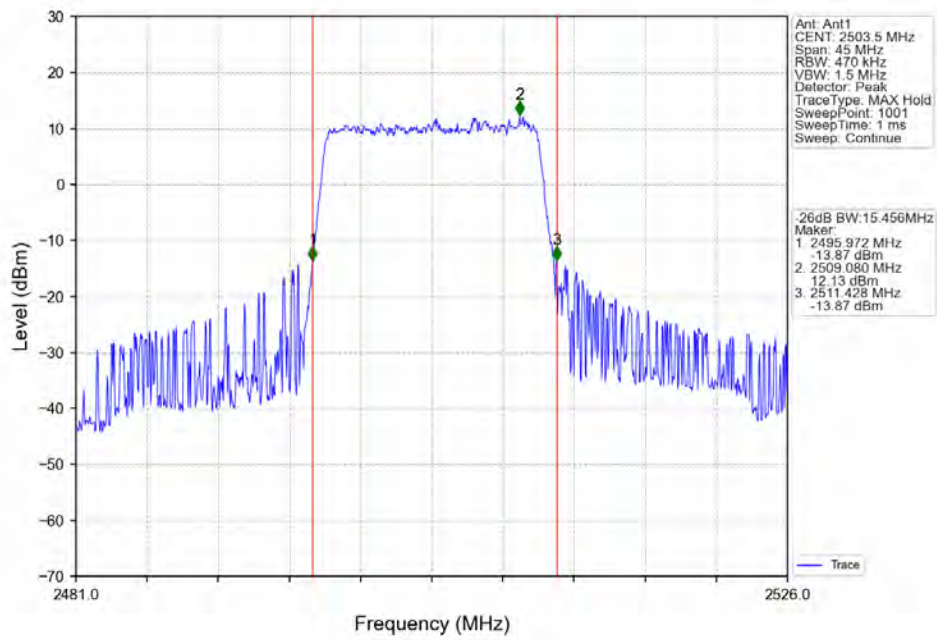


Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV

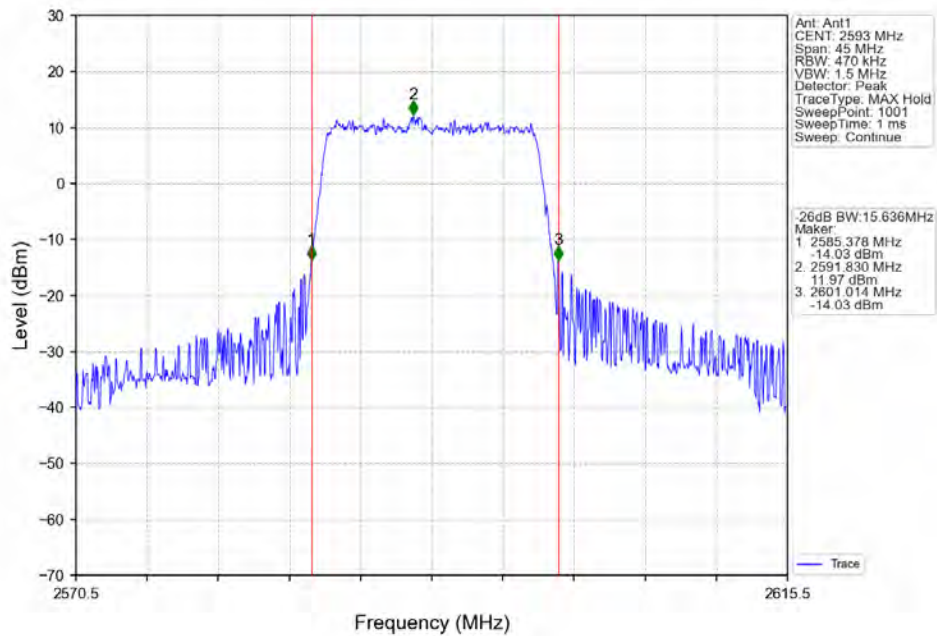




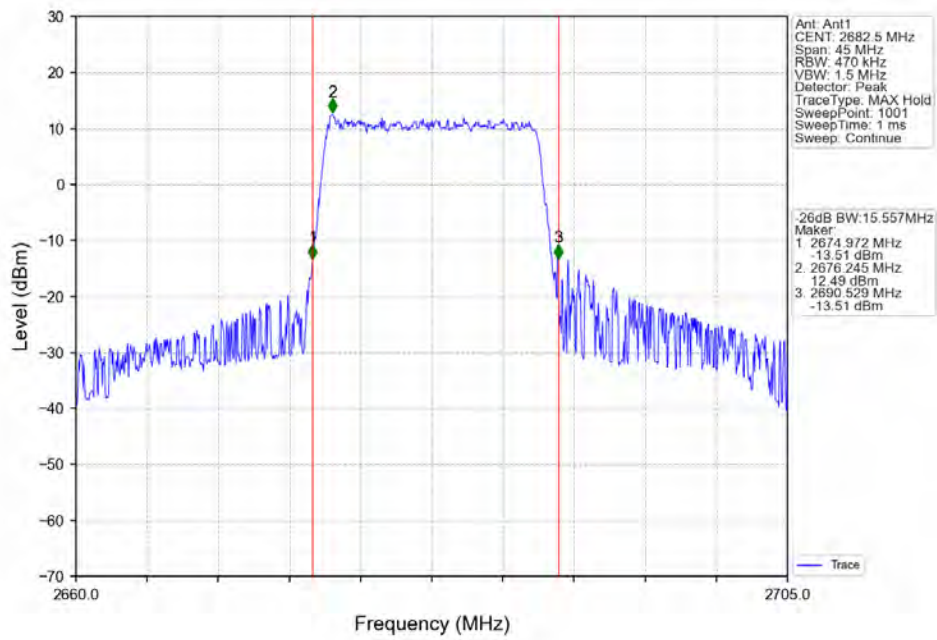
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



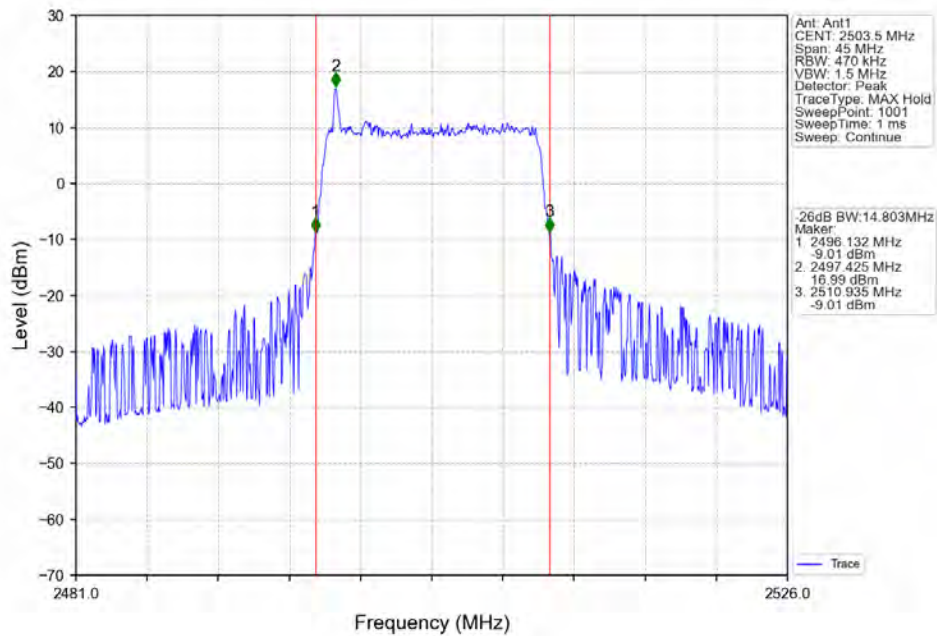
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



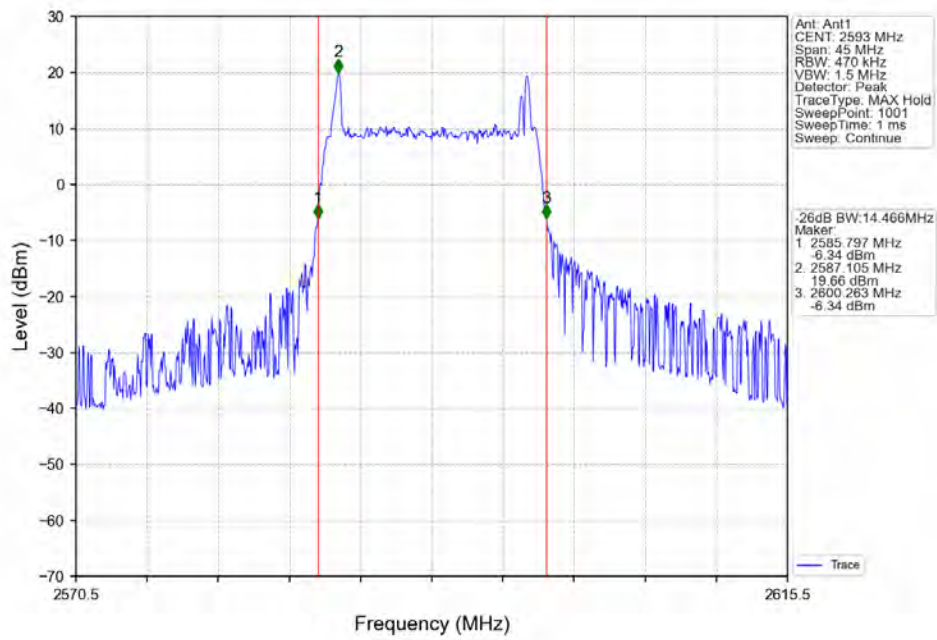
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



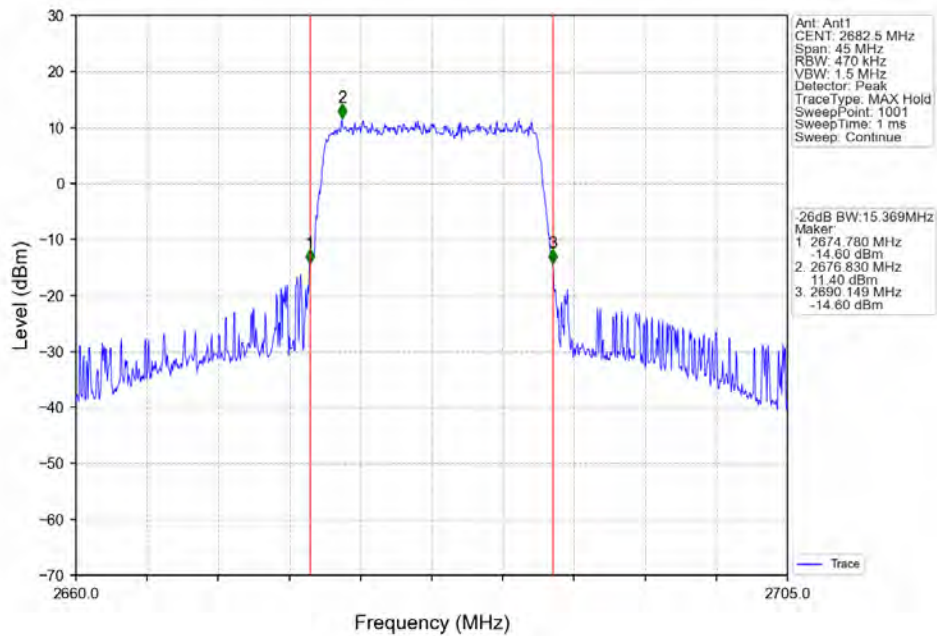
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV

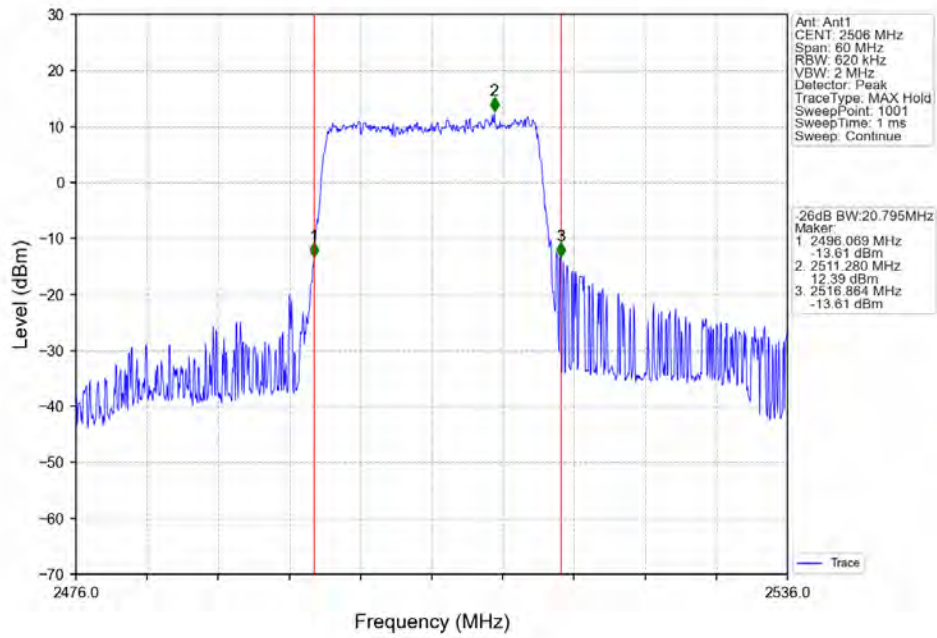


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

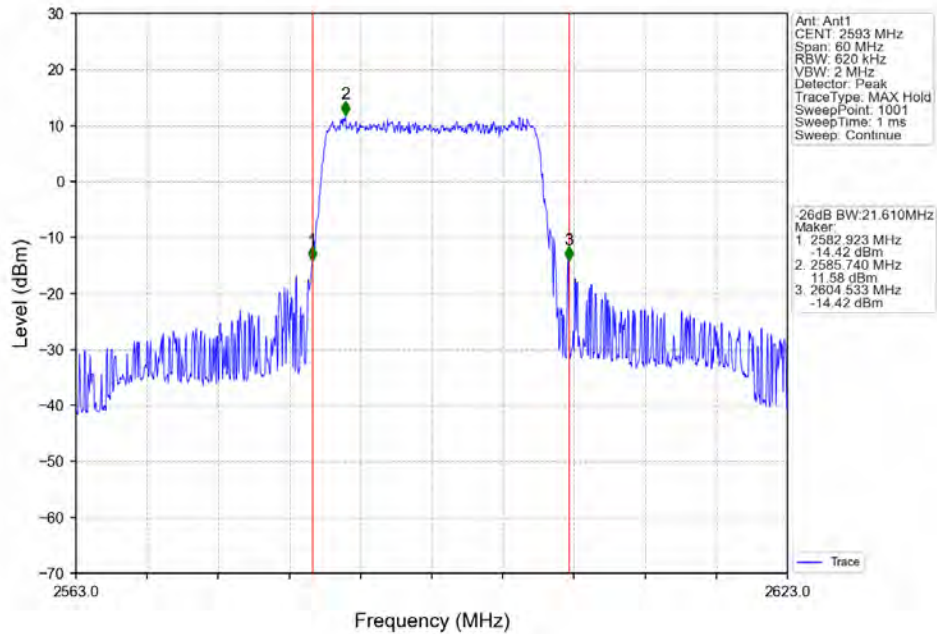




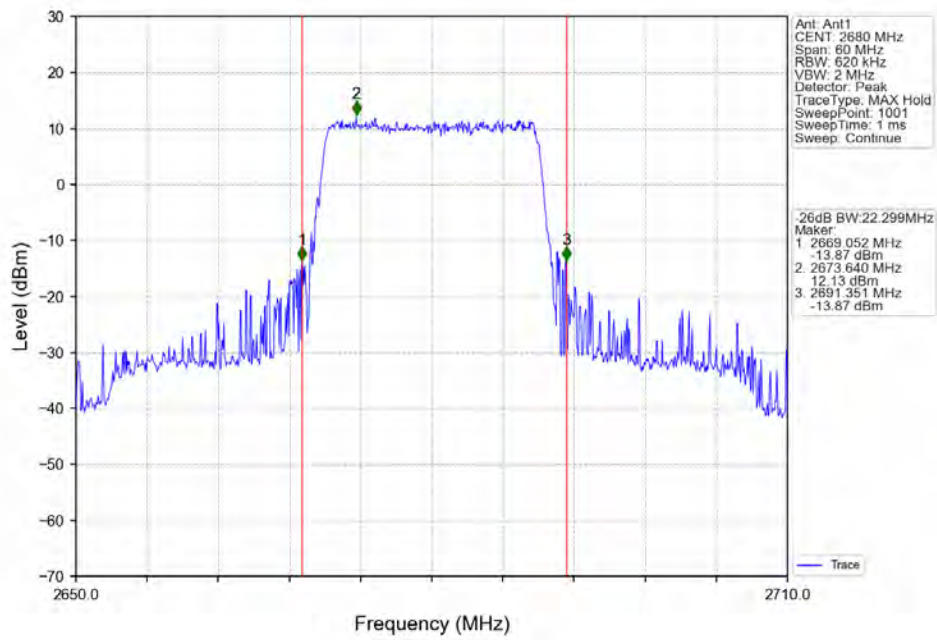
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



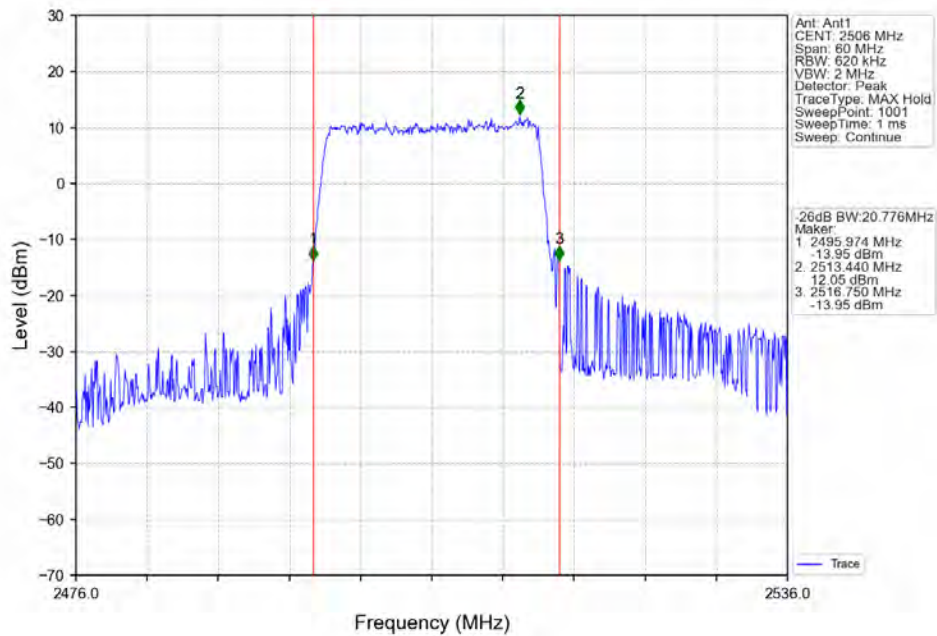
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



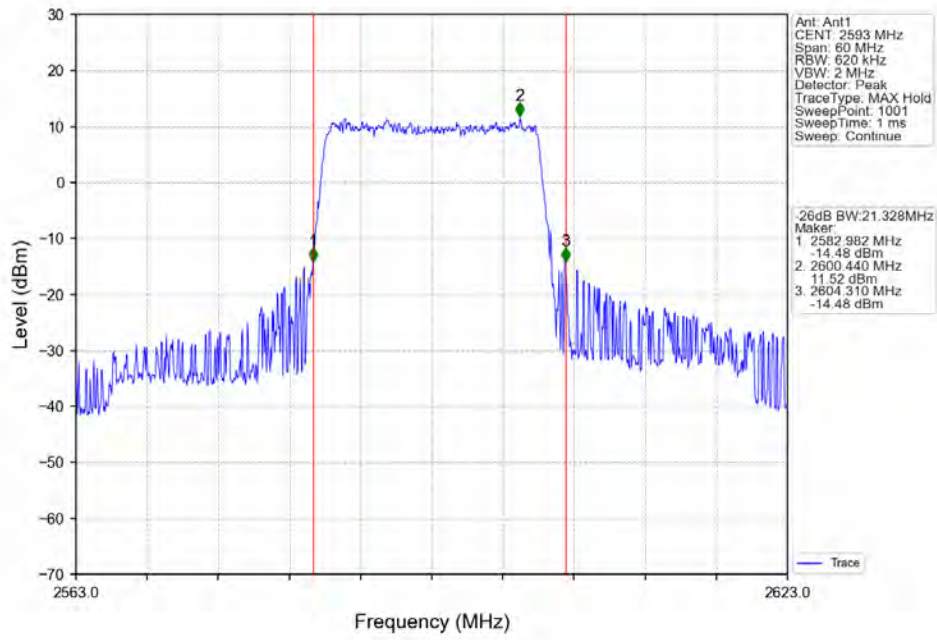
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



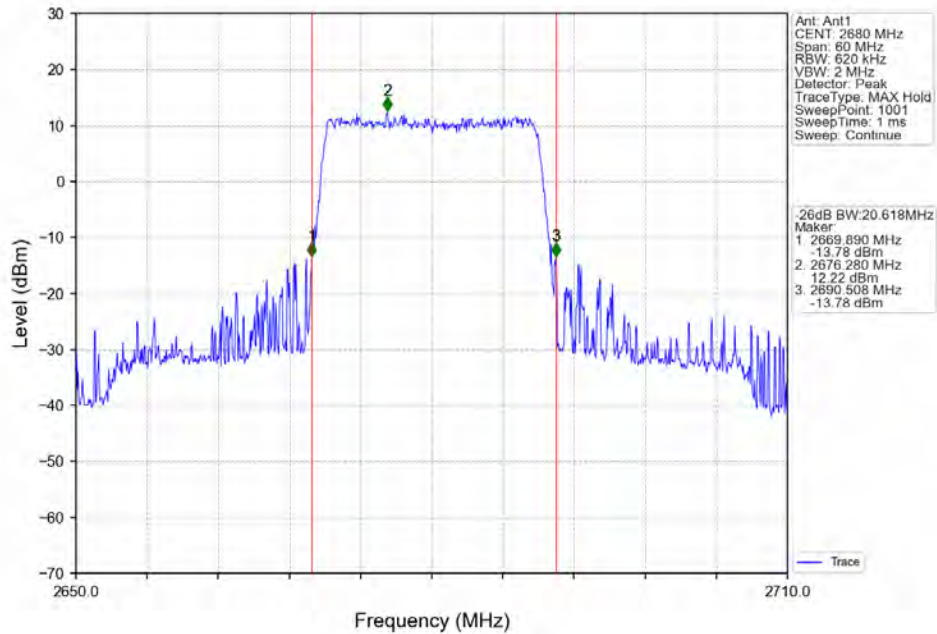
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTNV



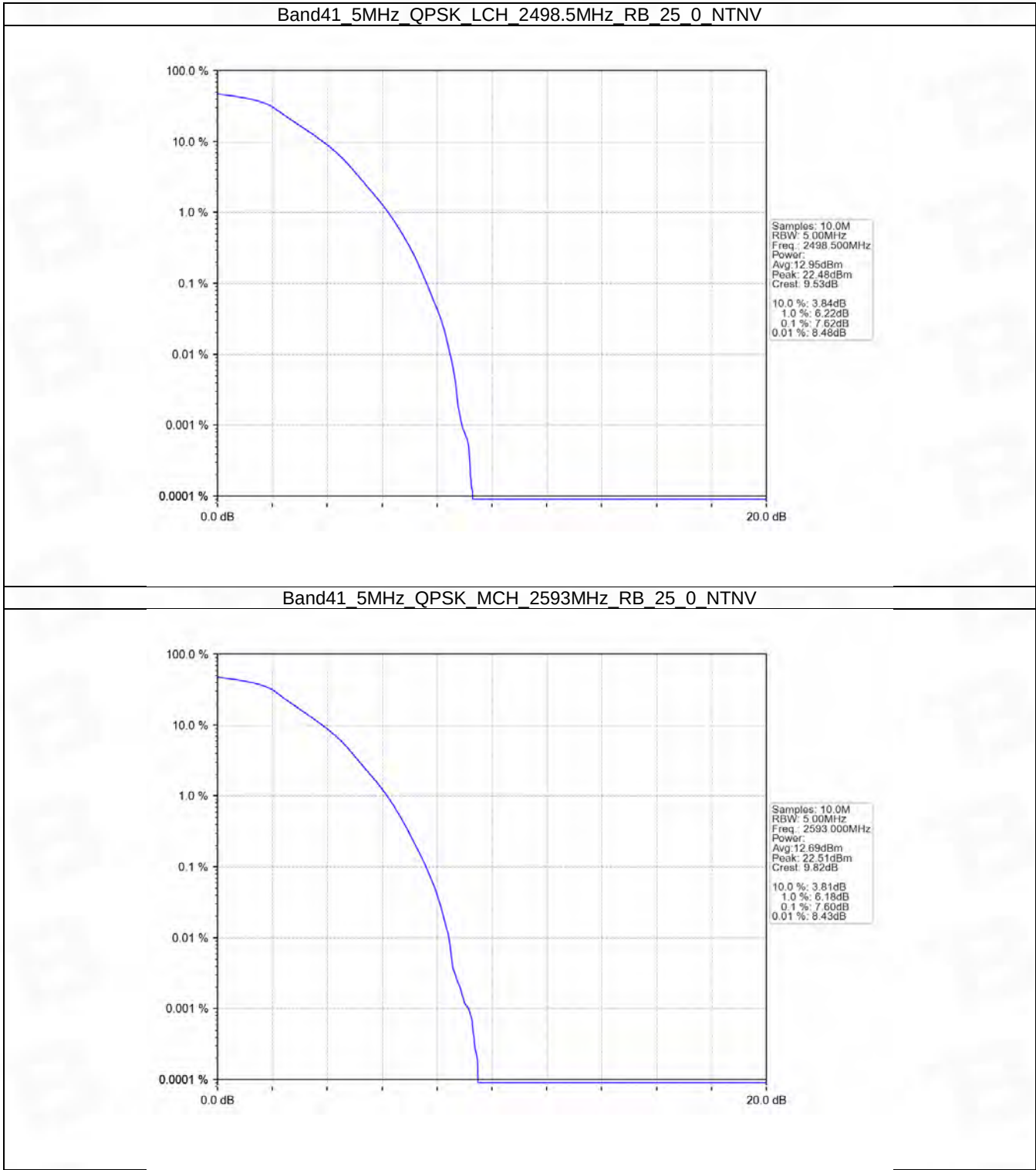
## 5. Peak-Average Ratio

### 5.1 B41\_5MHz

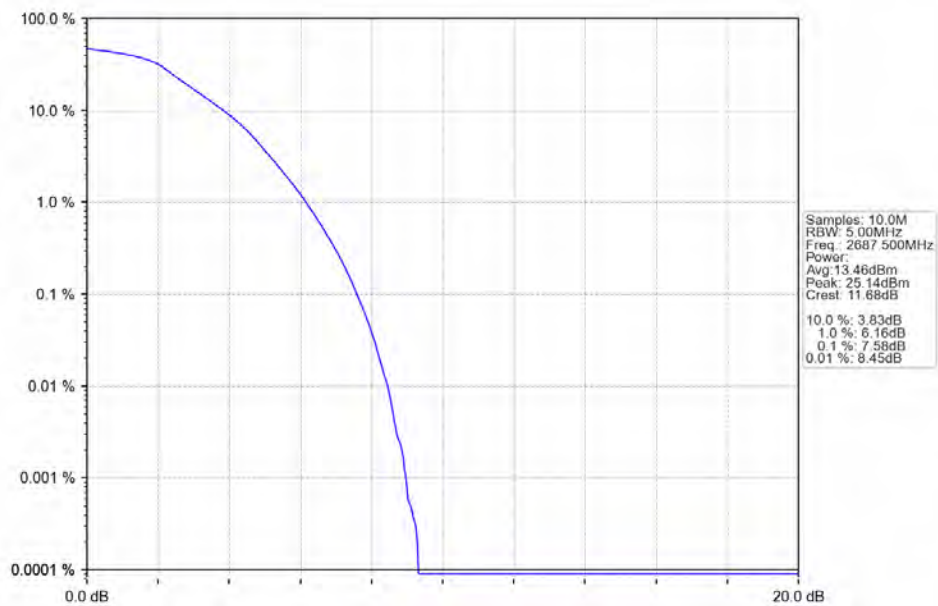
#### 5.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2498.5          | 25            | 0      | 7.62                    | <=13  | Pass    |
|                                   | 2593            | 25            | 0      | 7.60                    | <=13  | Pass    |
|                                   | 2687.5          | 25            | 0      | 7.58                    | <=13  | Pass    |
| 16QAM                             | 2498.5          | 25            | 0      | 8.42                    | <=13  | Pass    |
|                                   | 2593            | 25            | 0      | 8.18                    | <=13  | Pass    |
|                                   | 2687.5          | 25            | 0      | 8.17                    | <=13  | Pass    |

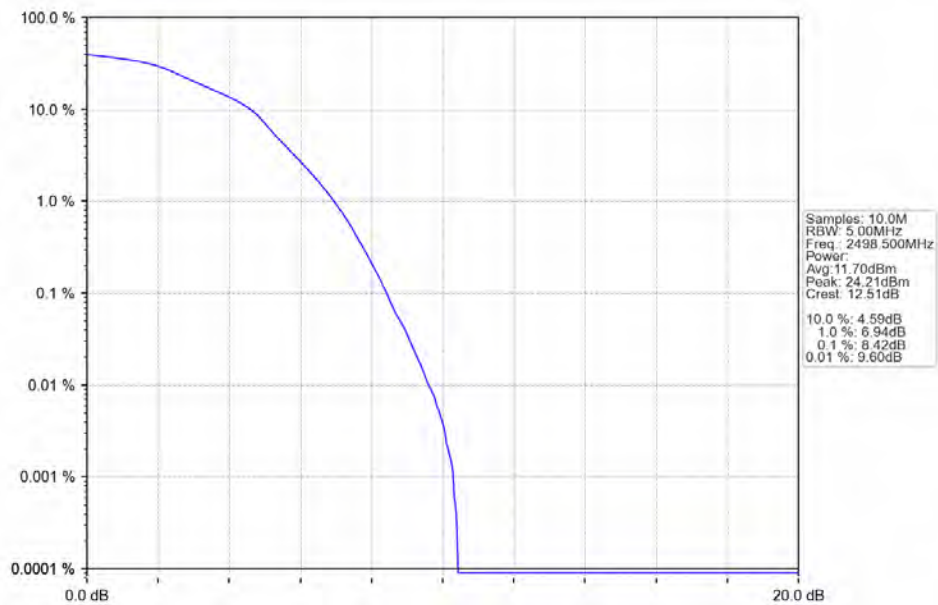
5.1.2 Test Graph



Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV

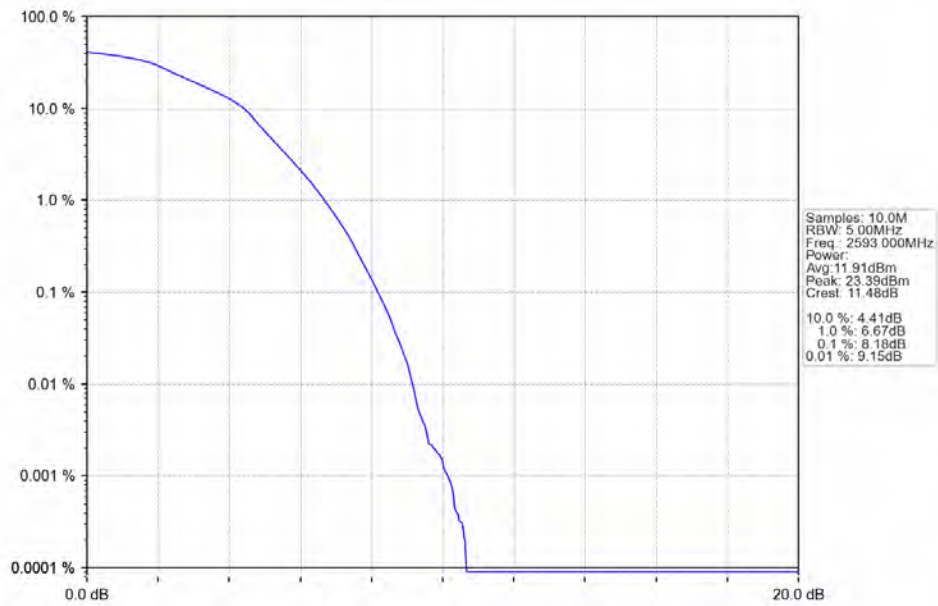


Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV

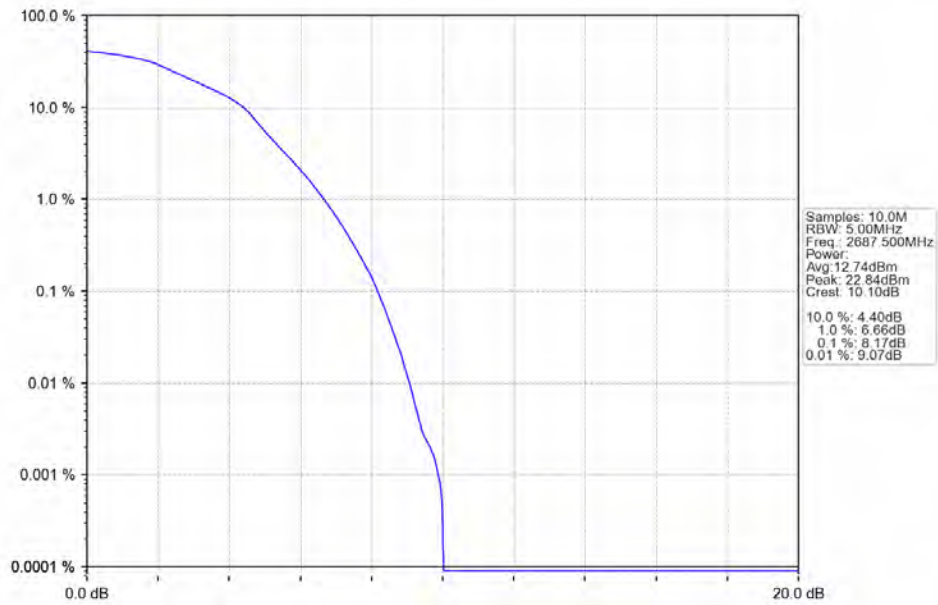




Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



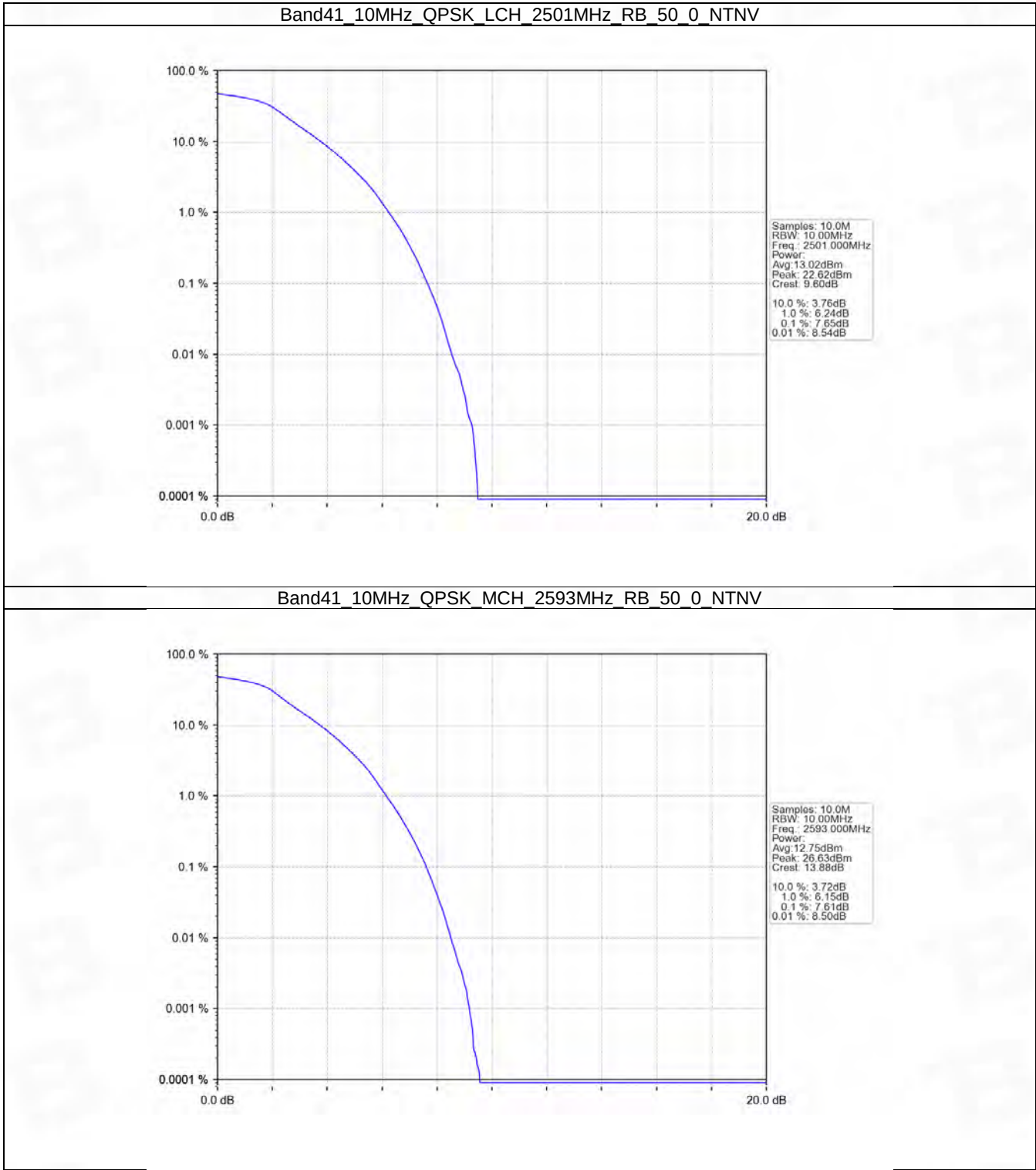


## 5.2 B41\_10MHz

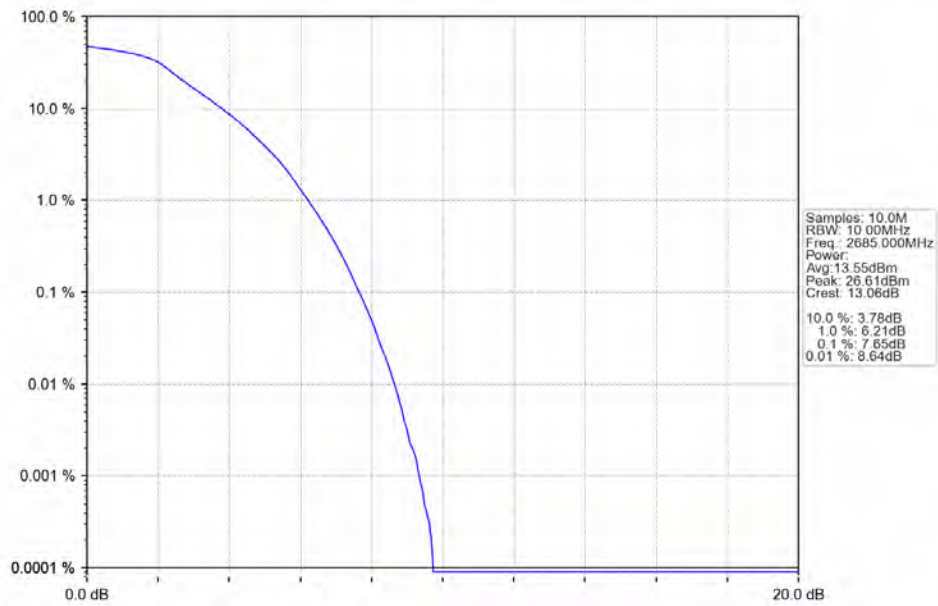
### 5.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2501            | 50            | 0      | 7.65                    | <=13  | Pass    |
|                                    | 2593            | 50            | 0      | 7.61                    | <=13  | Pass    |
|                                    | 2685            | 50            | 0      | 7.65                    | <=13  | Pass    |
| 16QAM                              | 2501            | 50            | 0      | 7.72                    | <=13  | Pass    |
|                                    | 2593            | 50            | 0      | 7.45                    | <=13  | Pass    |
|                                    | 2685            | 50            | 0      | 7.52                    | <=13  | Pass    |

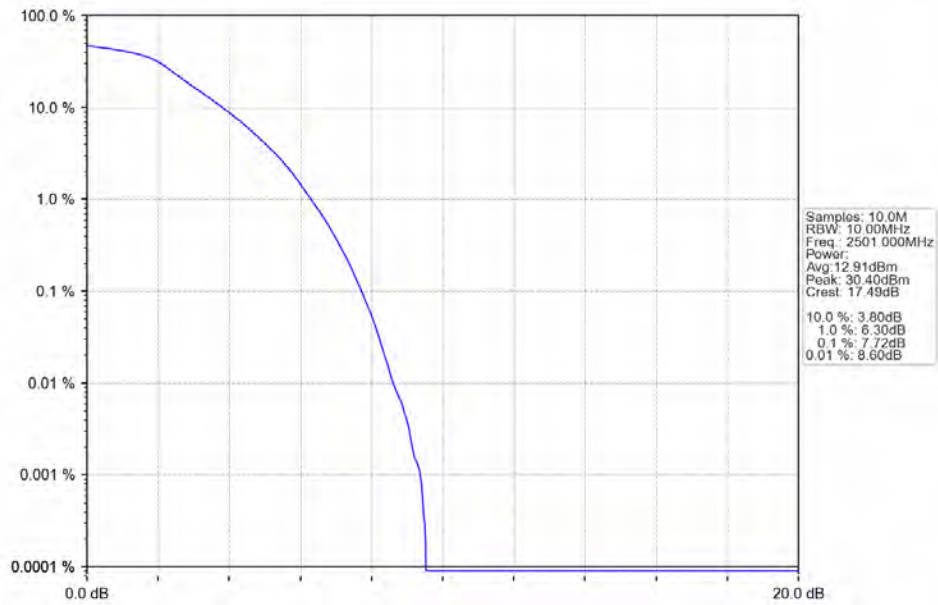
5.2.2 Test Graph



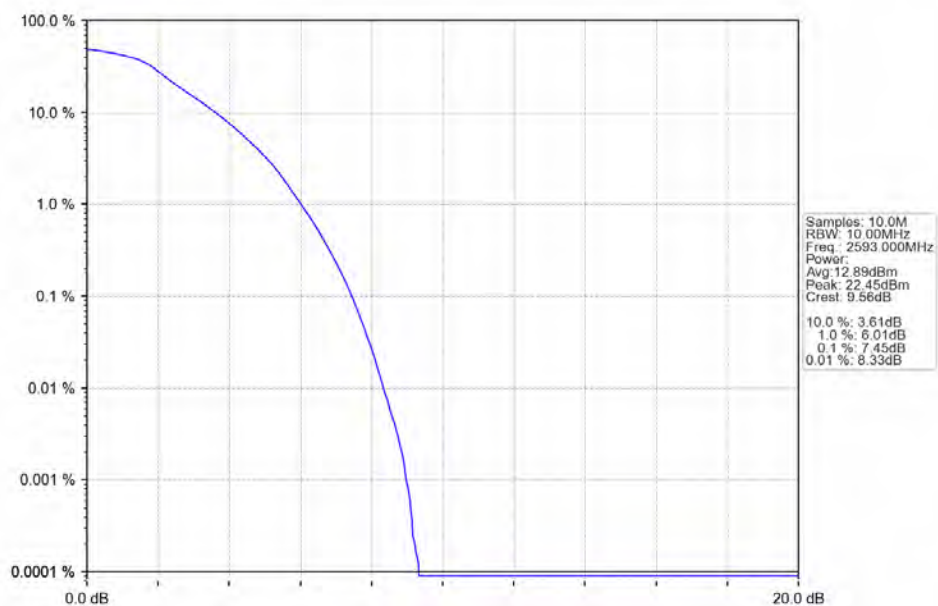
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



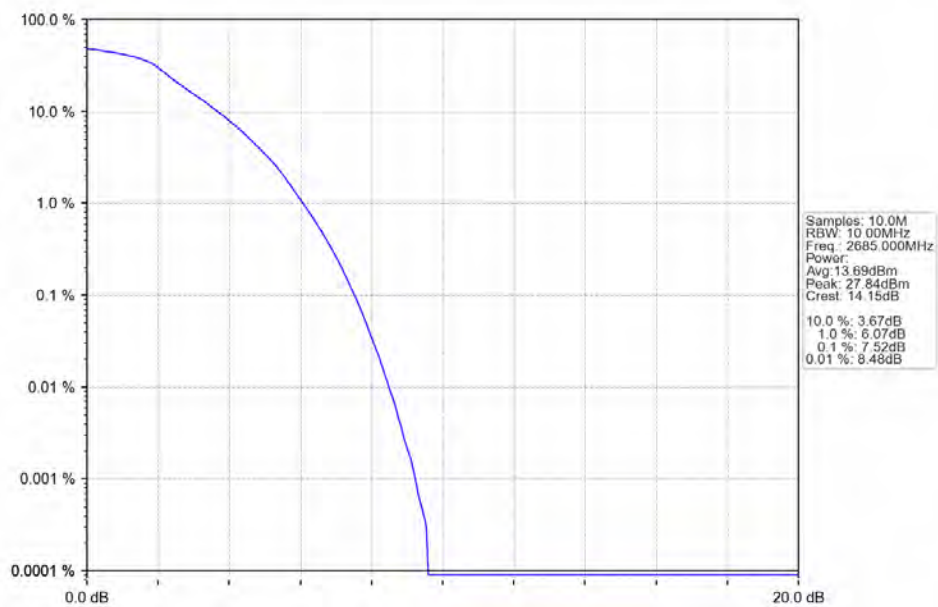
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV

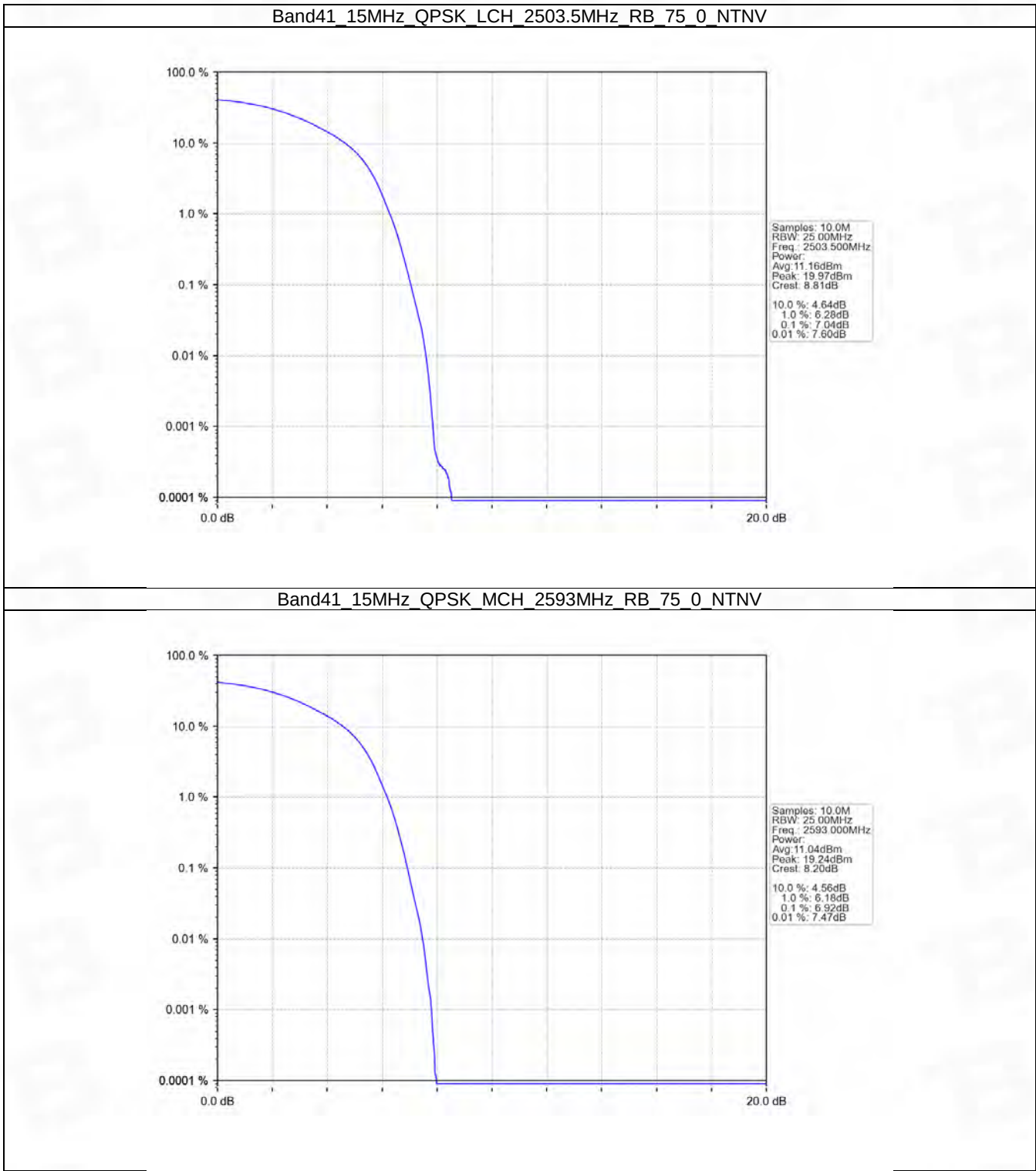


## 5.3 B41\_15MHz

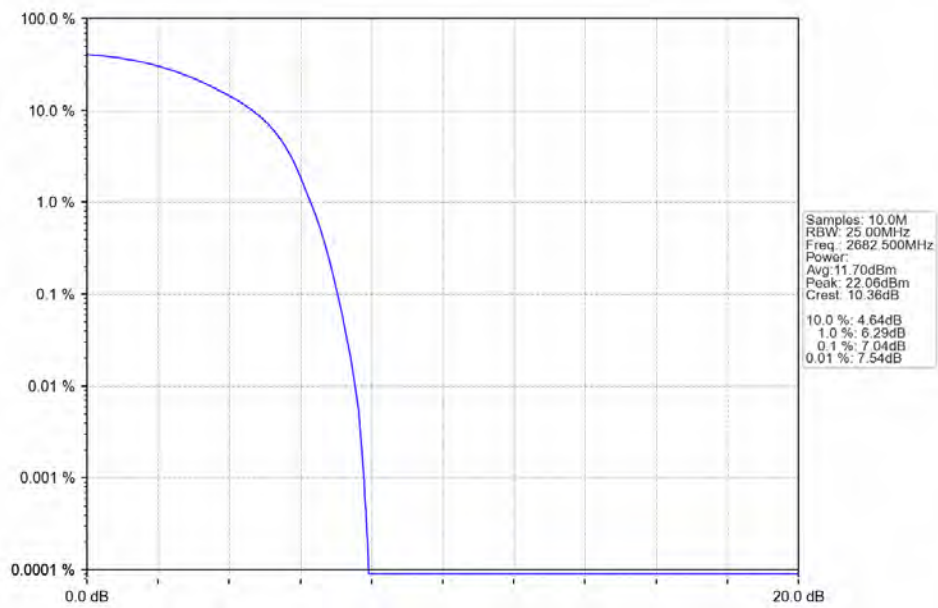
### 5.3.1 Test Result

| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2503.5          | 75            | 0      | 7.04                    | <=13  | Pass    |
|                                    | 2593            | 75            | 0      | 6.92                    | <=13  | Pass    |
|                                    | 2682.5          | 75            | 0      | 7.04                    | <=13  | Pass    |
| 16QAM                              | 2503.5          | 75            | 0      | 8.04                    | <=13  | Pass    |
|                                    | 2593            | 75            | 0      | 8.28                    | <=13  | Pass    |
|                                    | 2682.5          | 75            | 0      | 7.90                    | <=13  | Pass    |

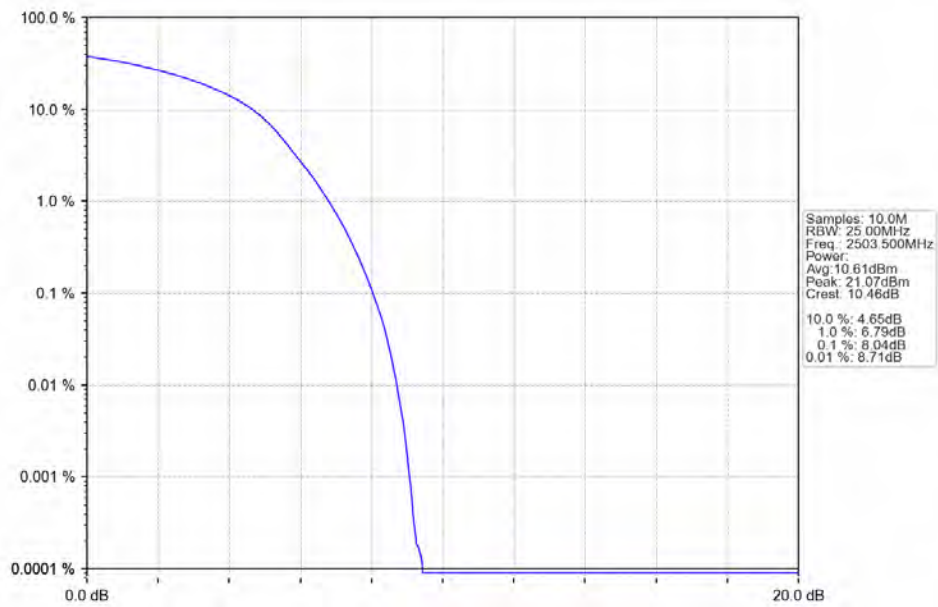
5.3.2 Test Graph



Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV

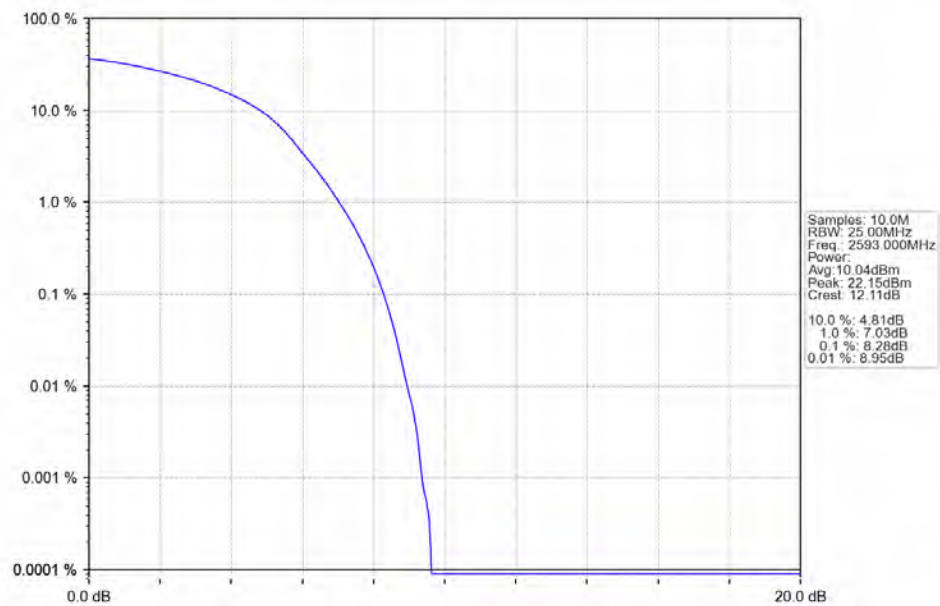


Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTNV

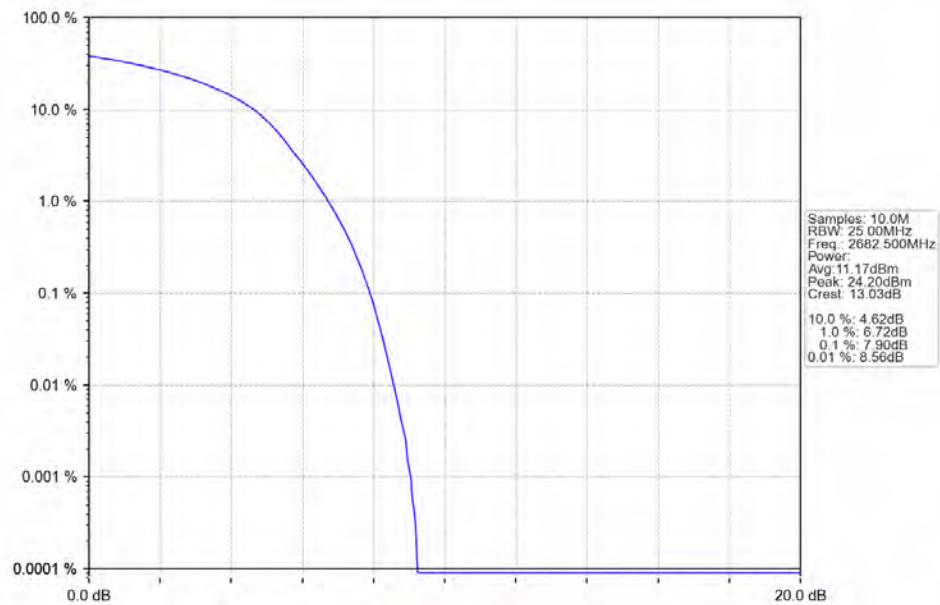




Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV

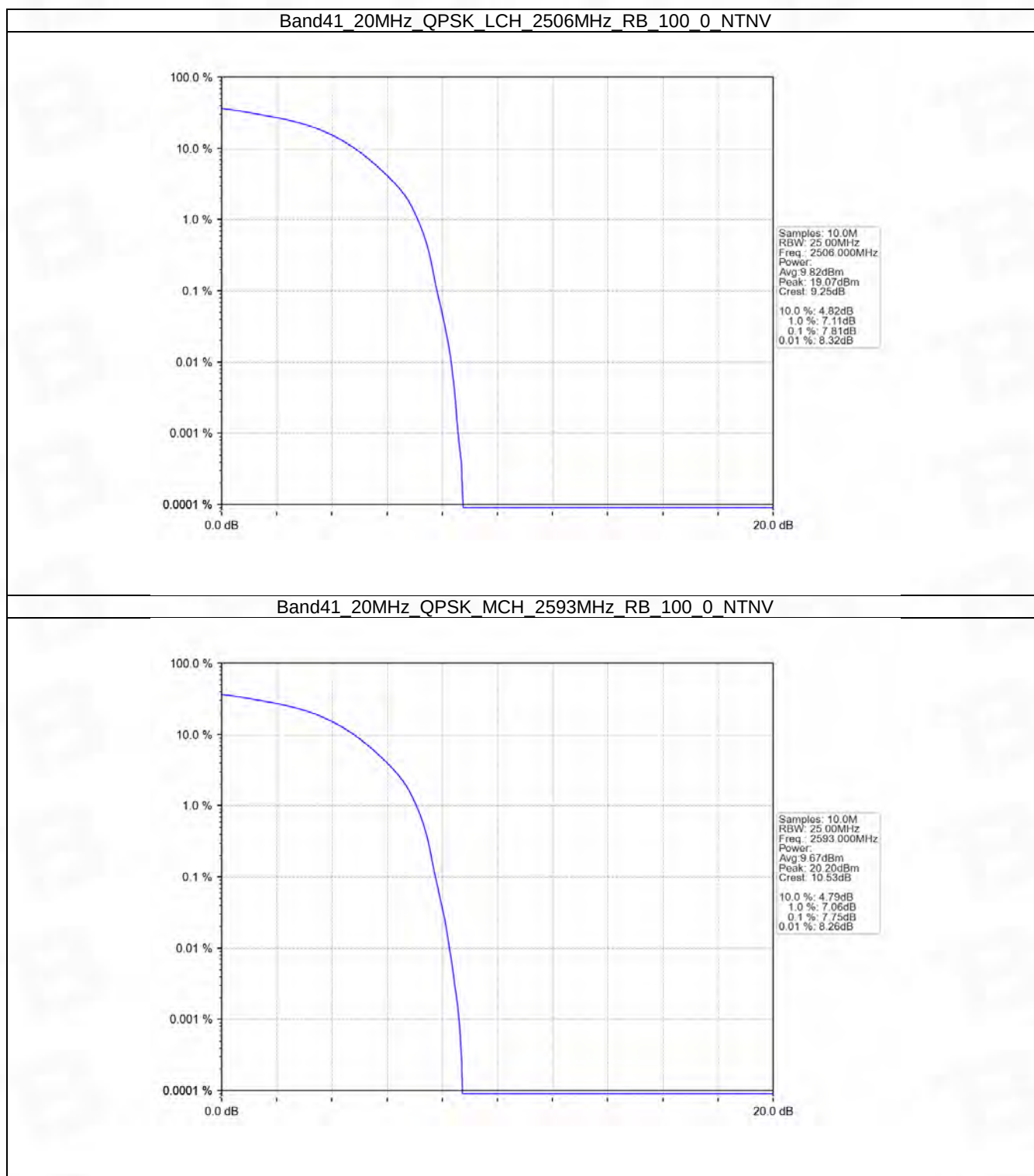


## 5.4 B41\_20MHz

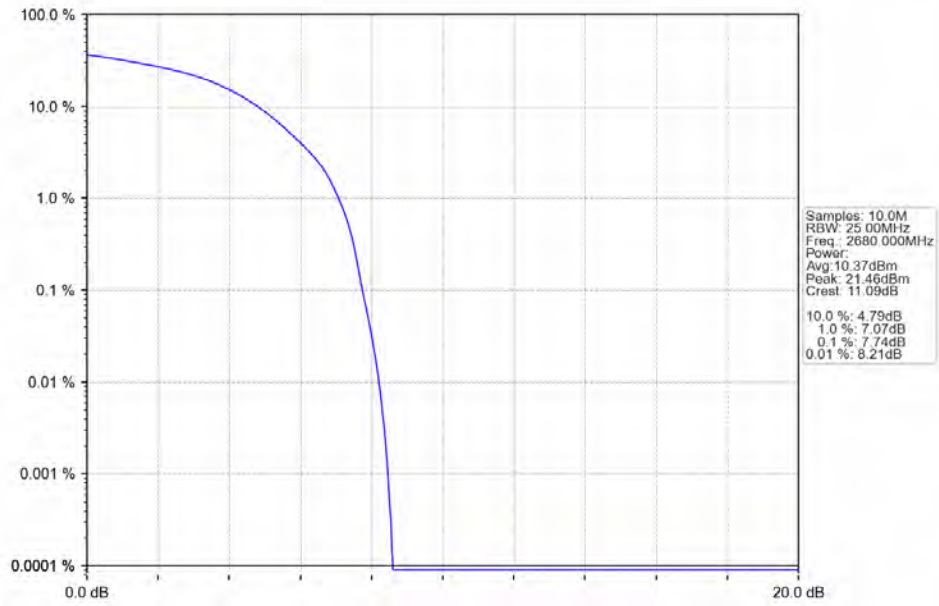
### 5.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2506            | 100           | 0      | 7.81                    | <=13  | Pass    |
|                                    | 2593            | 100           | 0      | 7.75                    | <=13  | Pass    |
|                                    | 2680            | 100           | 0      | 7.74                    | <=13  | Pass    |
| 16QAM                              | 2506            | 100           | 0      | 7.54                    | <=13  | Pass    |
|                                    | 2593            | 100           | 0      | 7.79                    | <=13  | Pass    |
|                                    | 2680            | 100           | 0      | 7.81                    | <=13  | Pass    |

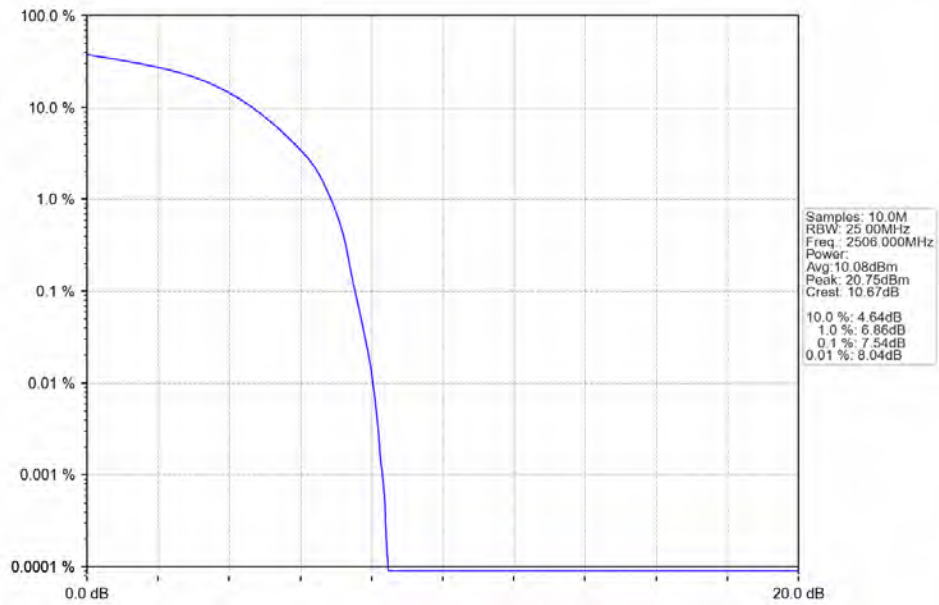
## 5.4.2 Test Graph



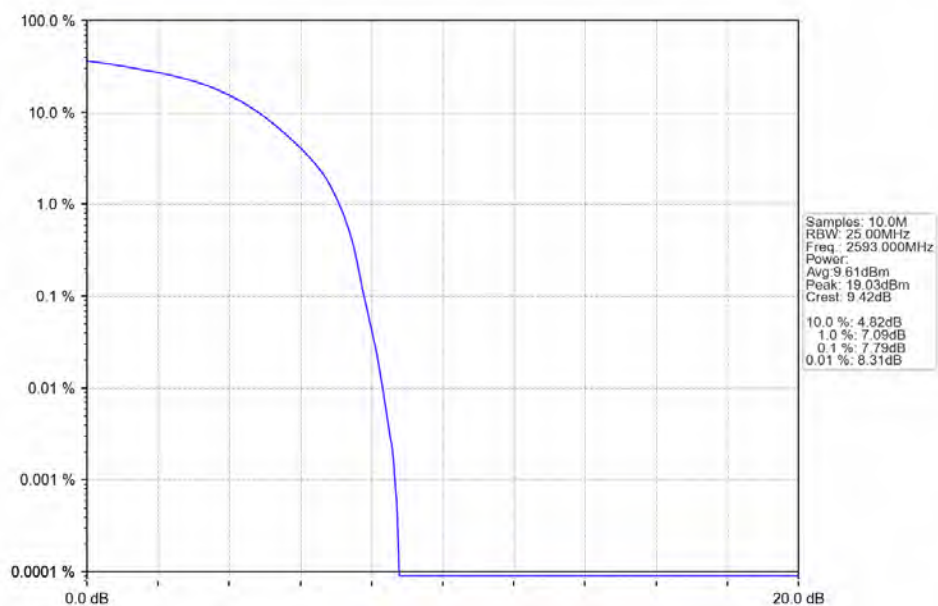
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



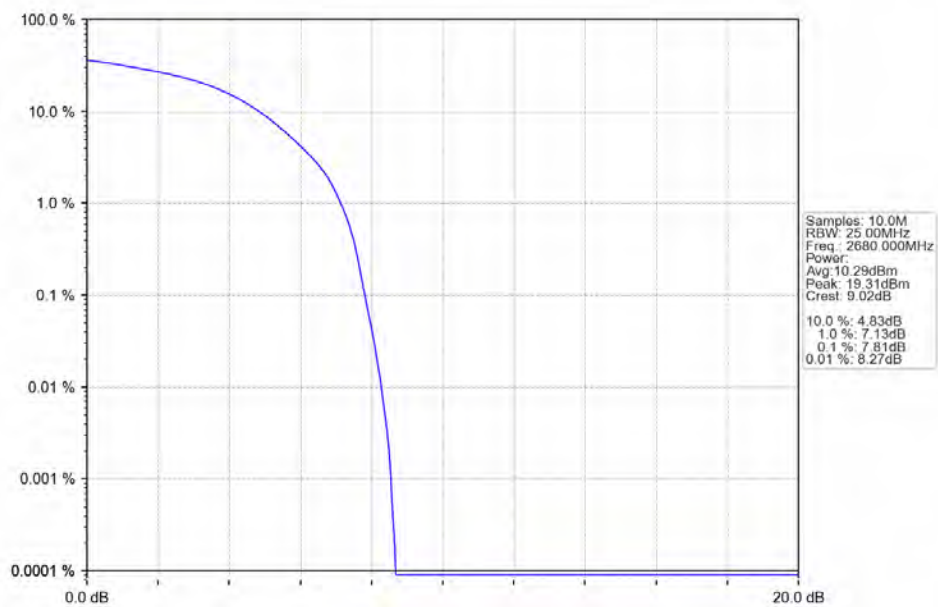
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTN



Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTN



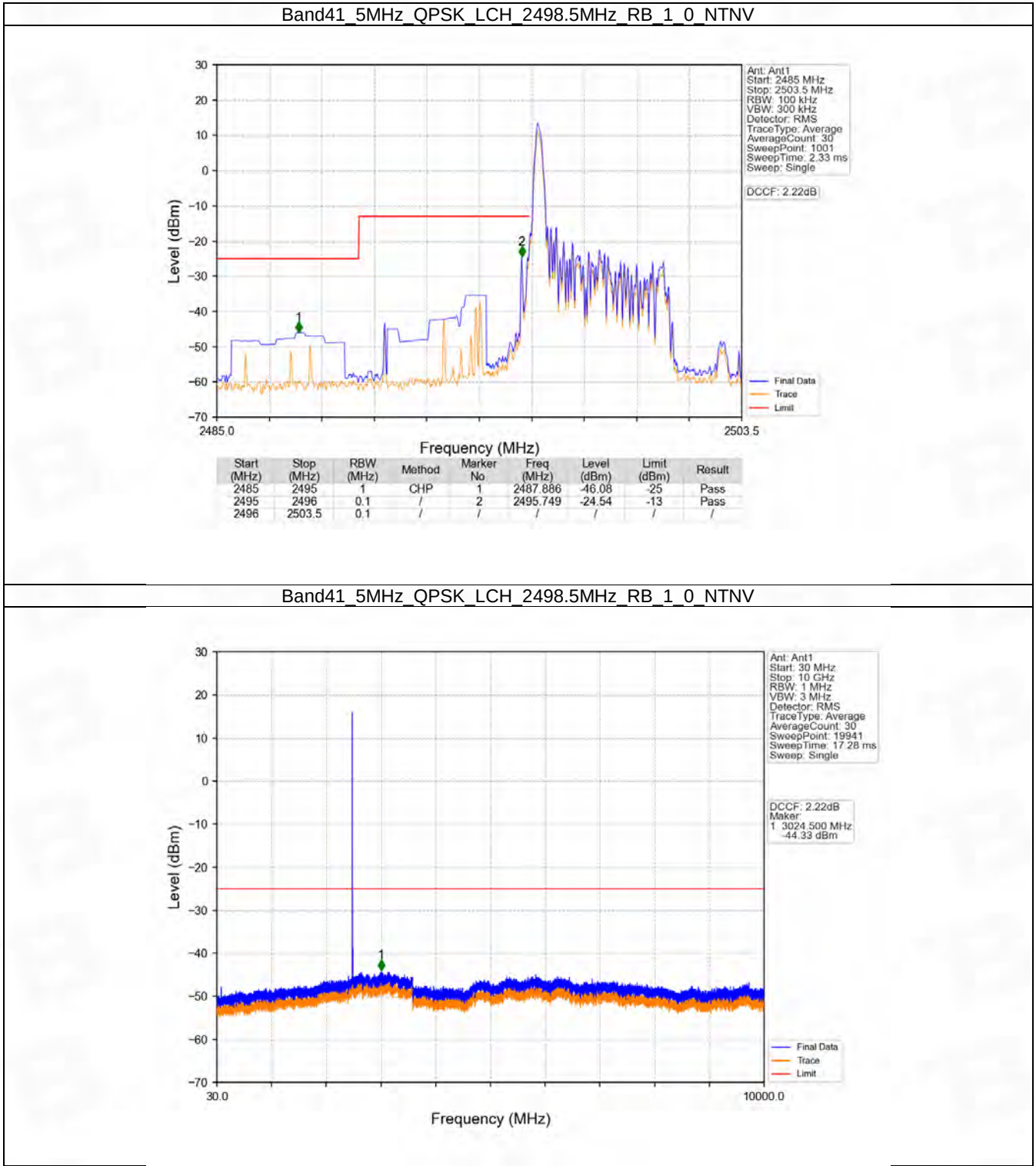
## 6. Spurious Emission

### 6.1 B41\_5MHz

#### 6.1.1 Test Result

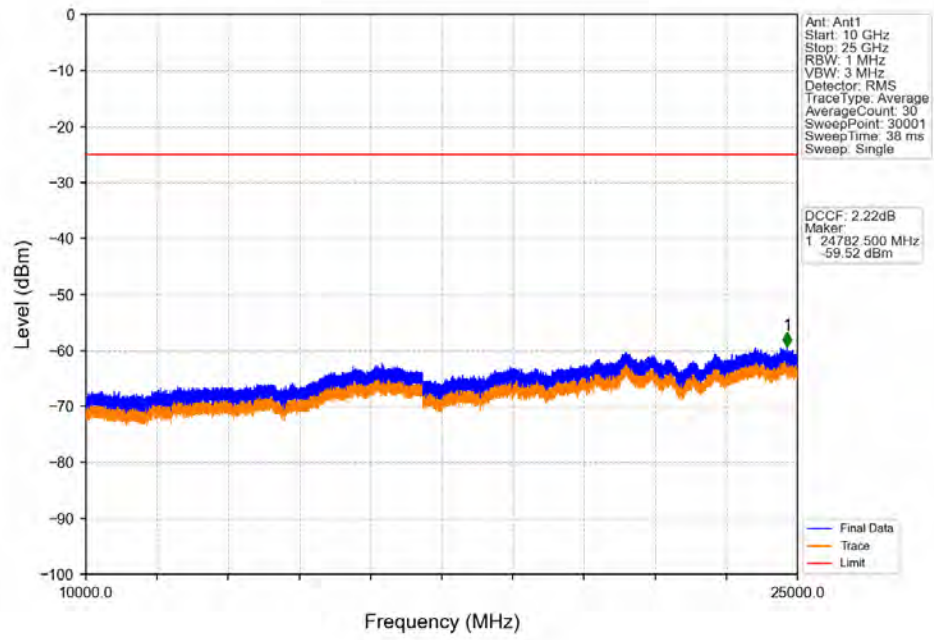
| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 2498.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                   | 2593            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 24     | Refer To Test Graph | Pass  |
|                                   |                 | 25            | 0      | Refer To Test Graph | Pass  |
| 16QAM                             | 2498.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                   | 2593            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 24     | Refer To Test Graph | Pass  |
|                                   |                 | 25            | 0      | Refer To Test Graph | Pass  |

6.1.2 Test Graph

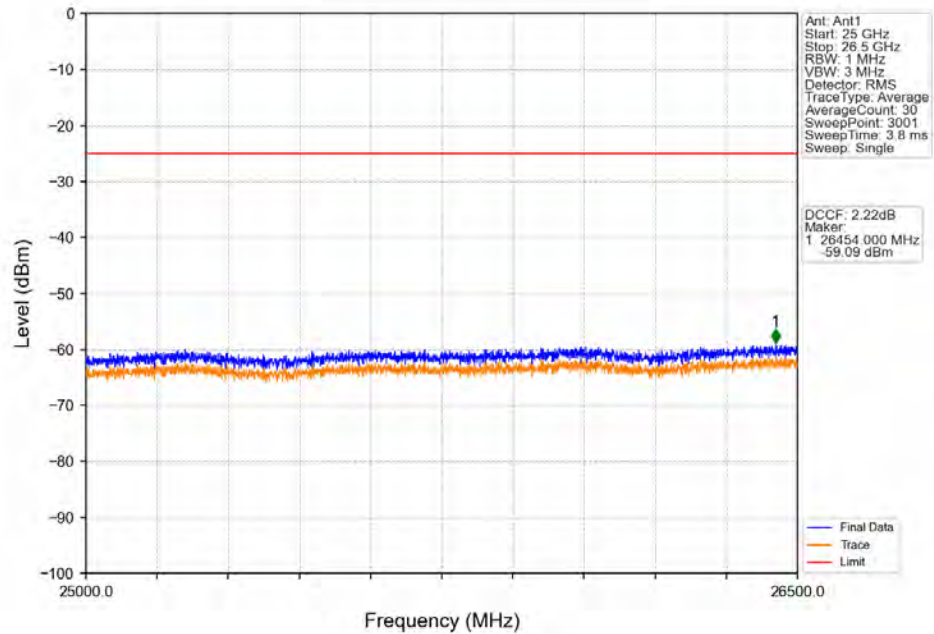




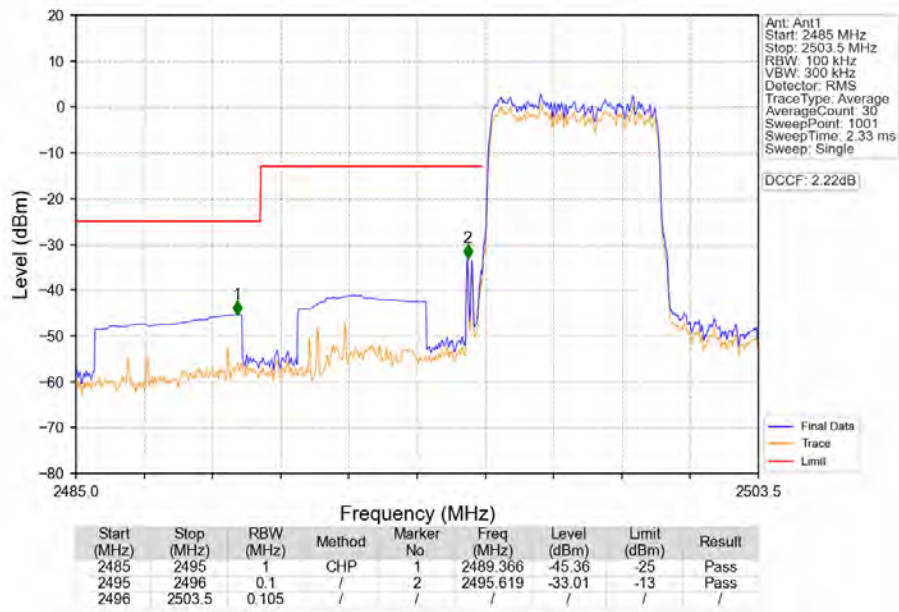
Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV



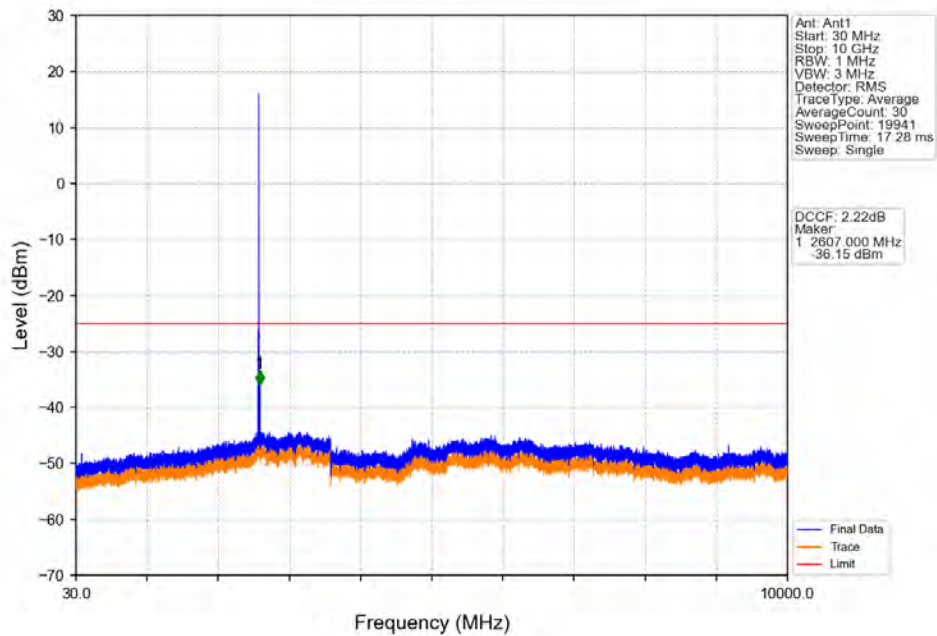
Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV



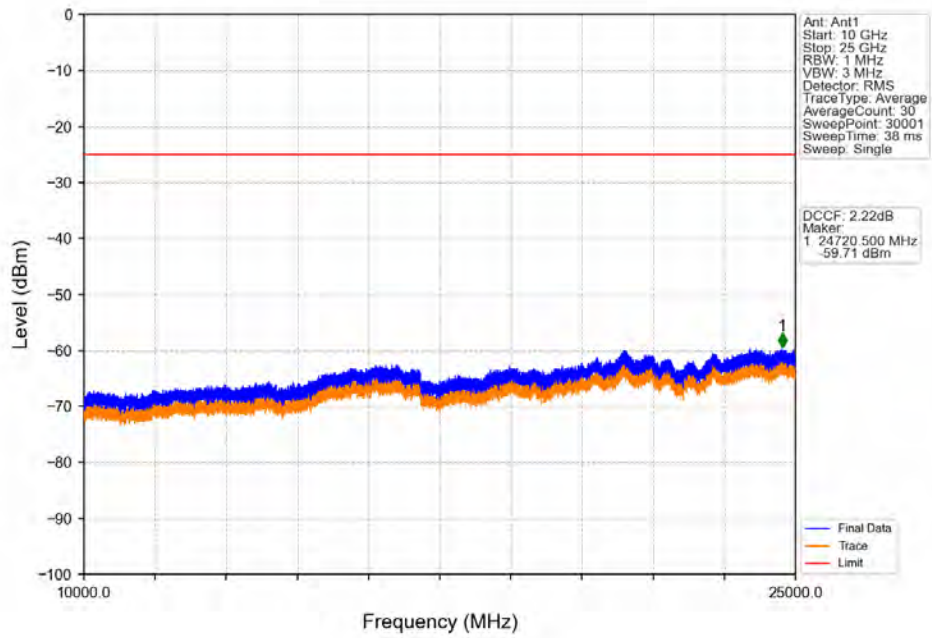
Band41 5MHz QPSK LCH 2498.5MHz RB 25 0 NTNV



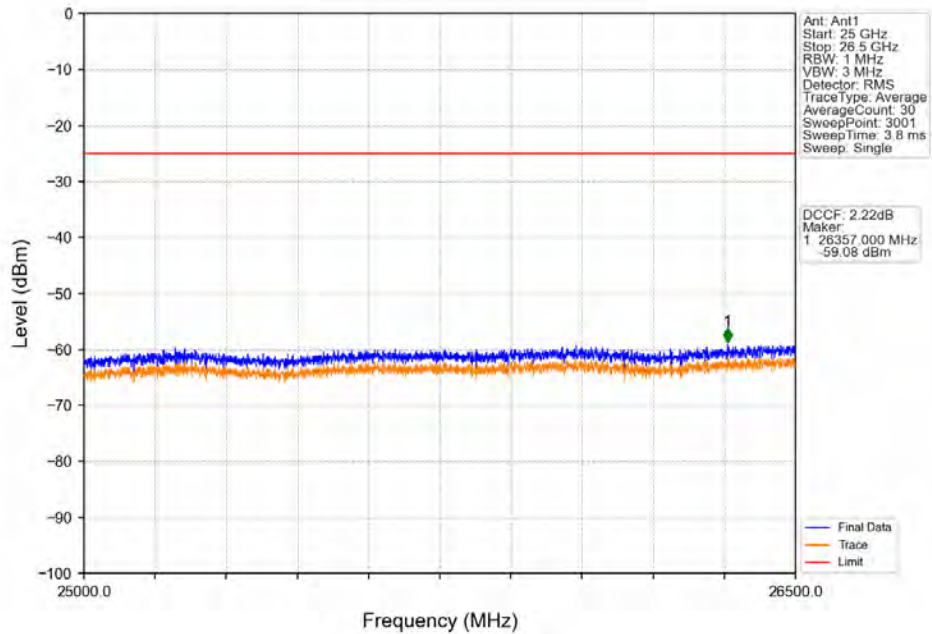
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTNV



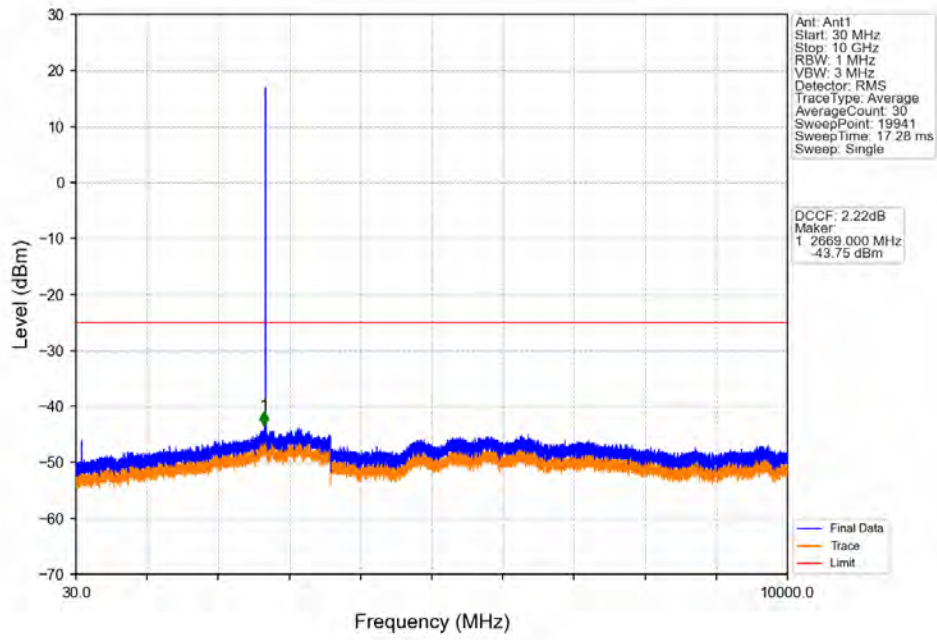
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTNV



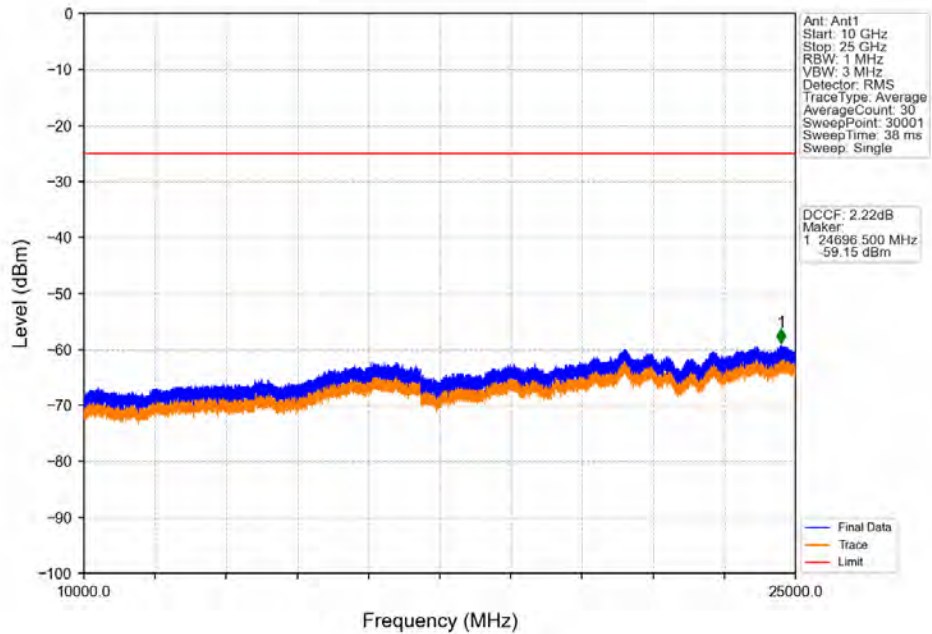
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTNV



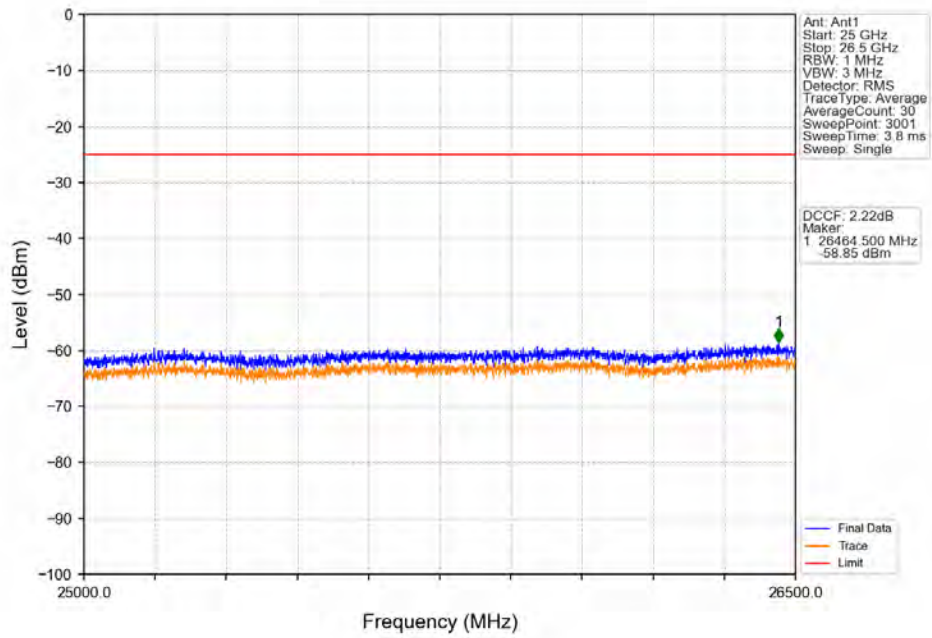
Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV



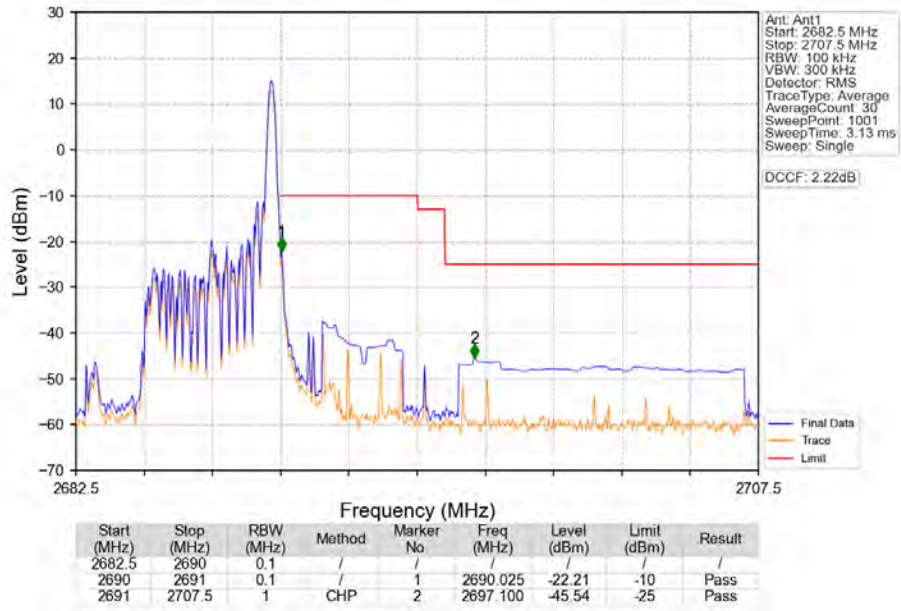
Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV



Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV

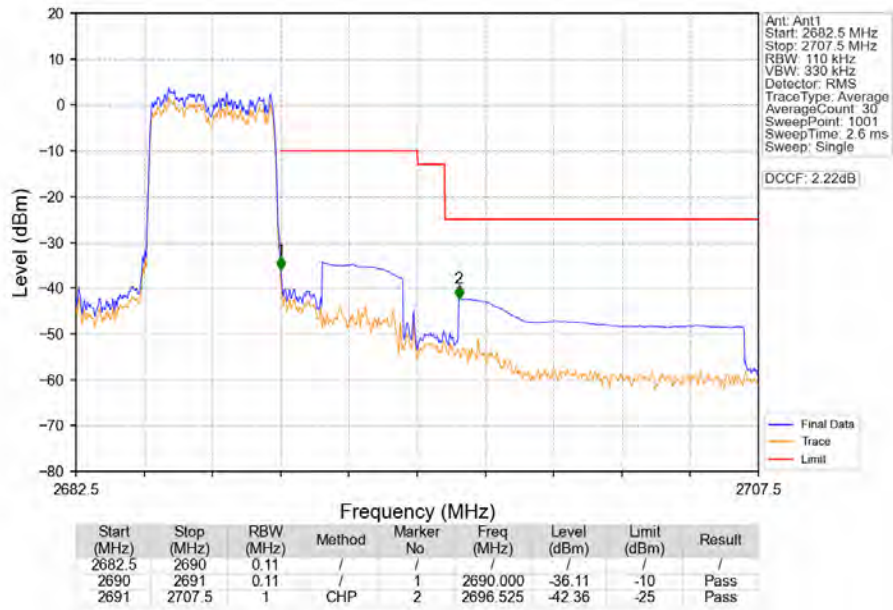


Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_24\_NTNV

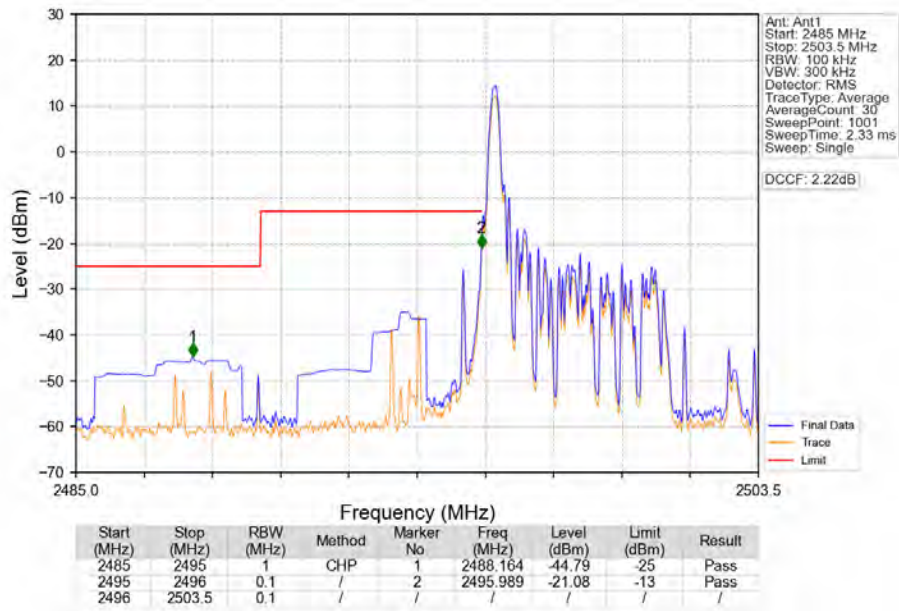




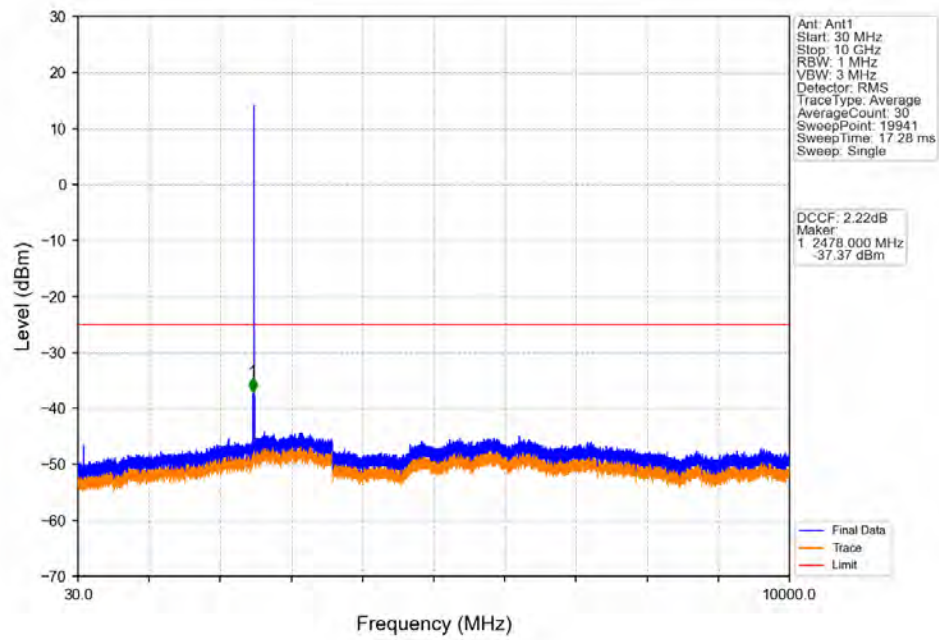
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTV



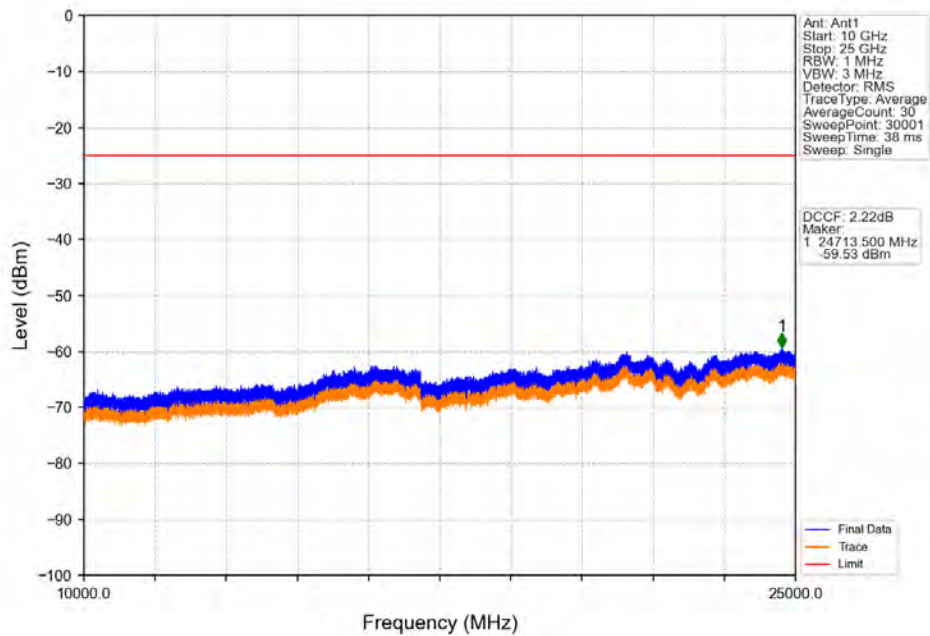
Band41 5MHz 16QAM LCH 2498.5MHz RB 1 0 NTV



Band41 5MHz 16QAM LCH 2498.5MHz RB 1 0 NTNV

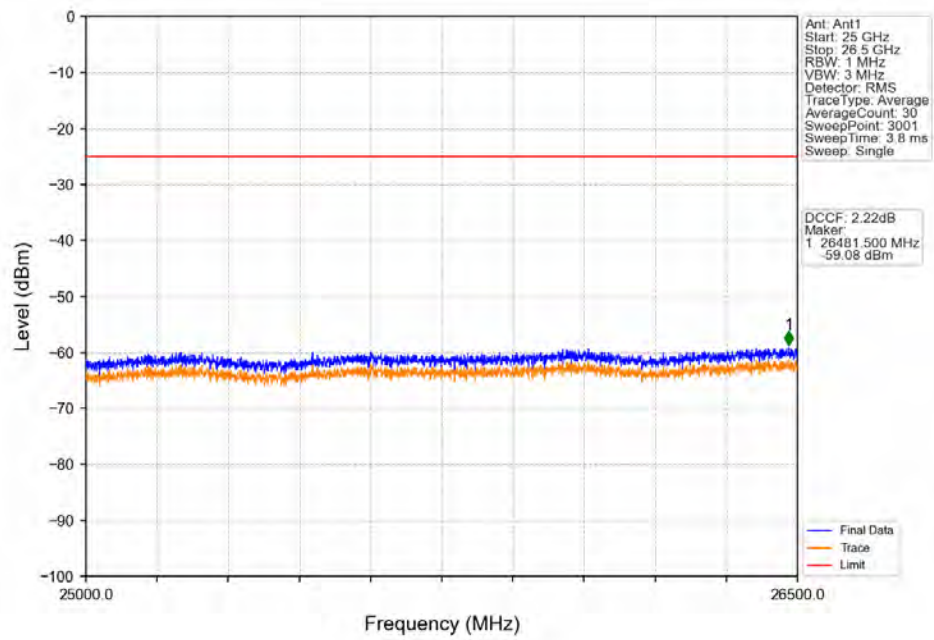


Band41 5MHz 16QAM LCH 2498.5MHz RB 1 0 NTNV

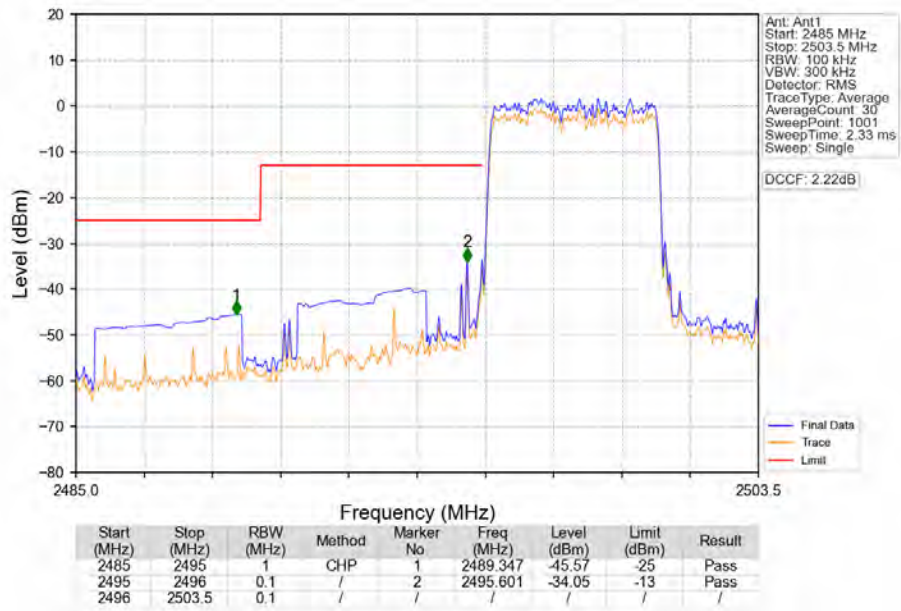




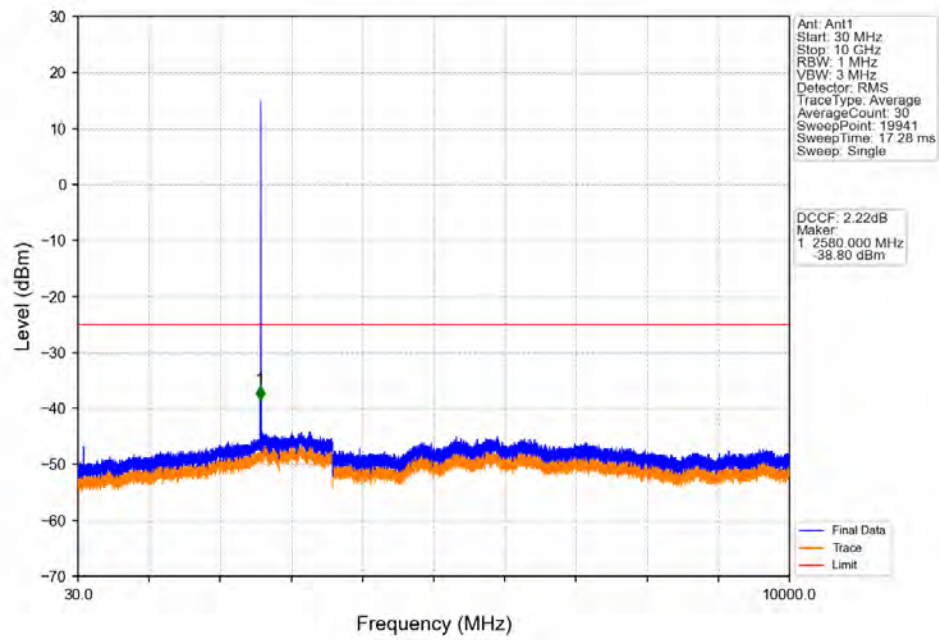
Band41 5MHz 16QAM LCH 2498.5MHz RB 1 0 NTV



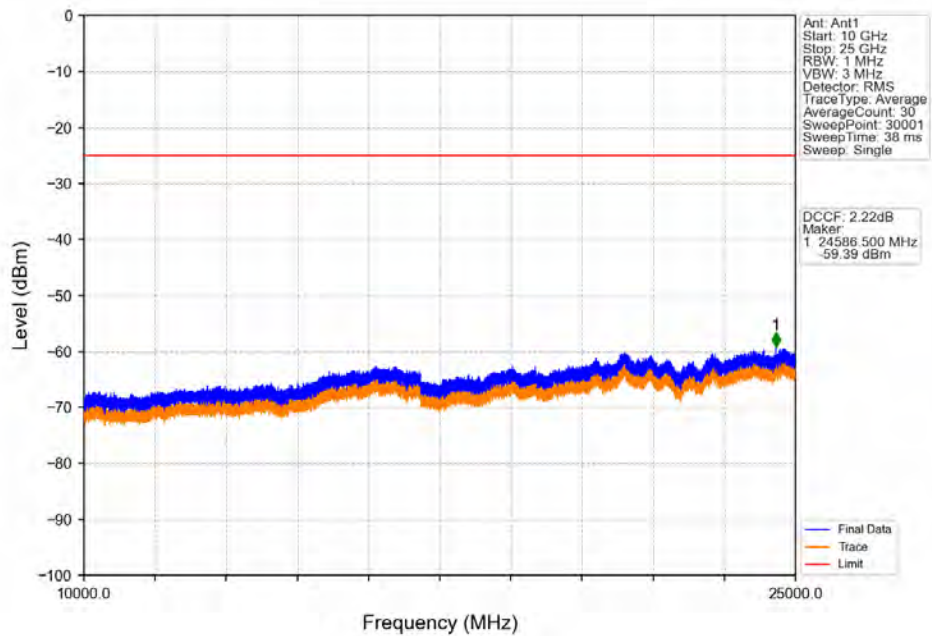
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTV



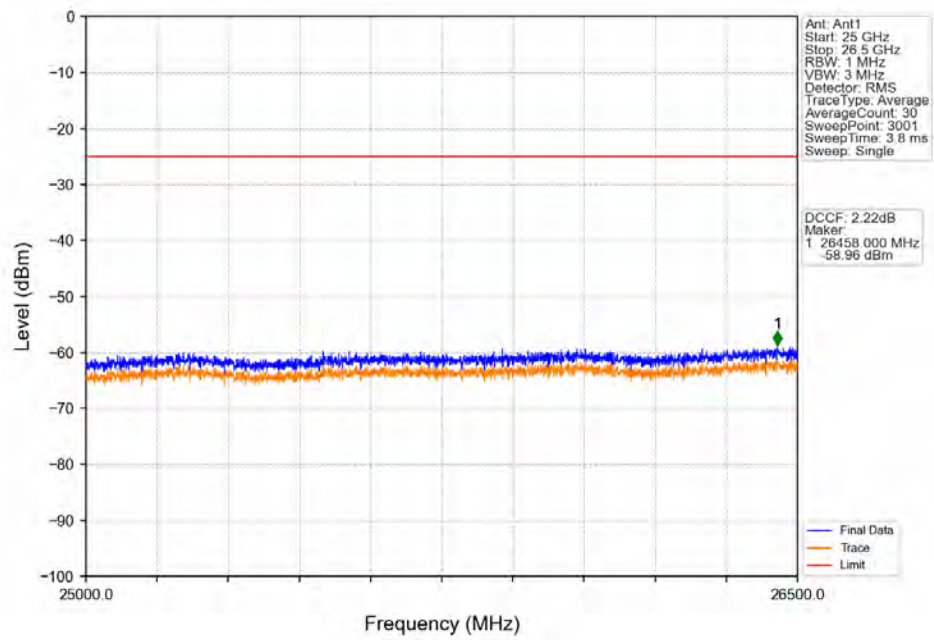
Band41 5MHz 16QAM MCH 2593MHz RB 1 0 NTNV



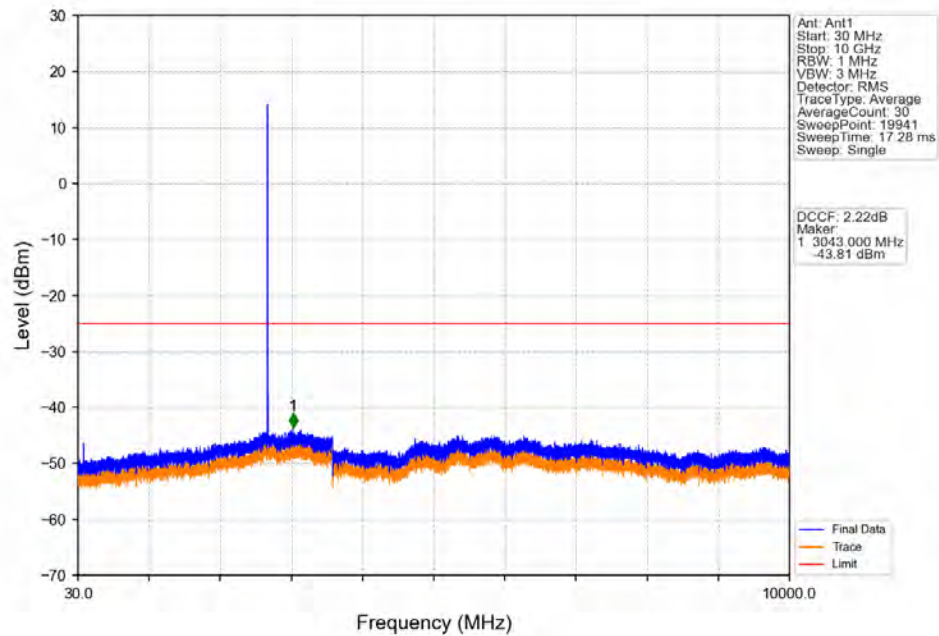
Band41 5MHz 16QAM MCH 2593MHz RB 1 0 NTNV



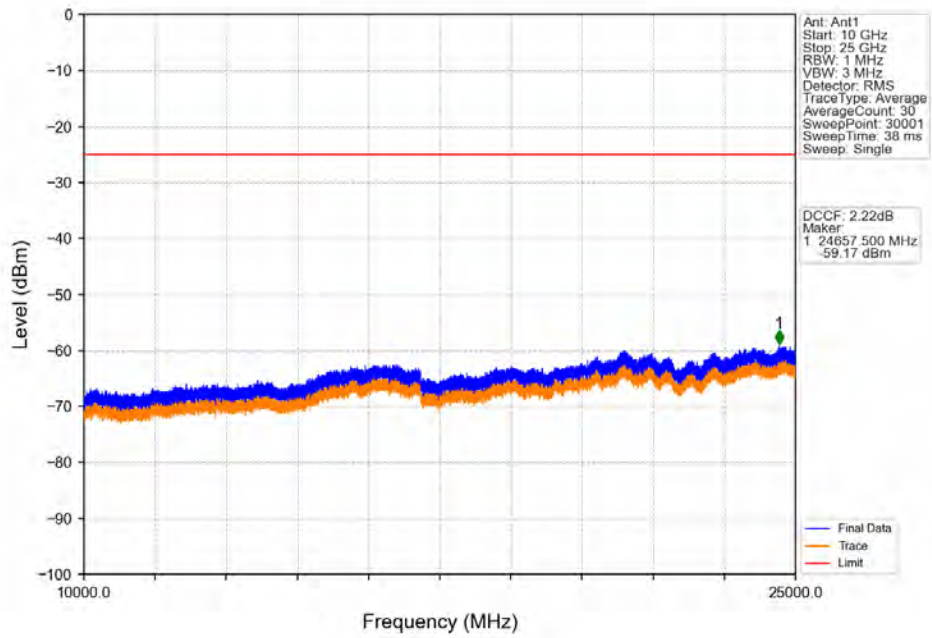
Band41 5MHz 16QAM MCH 2593MHz RB 1 0 NTN



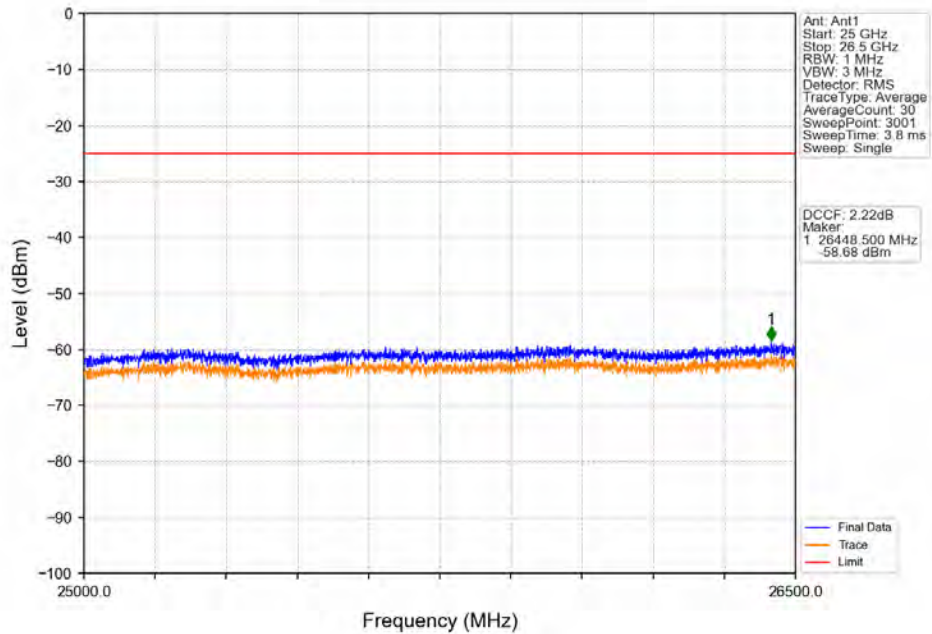
Band41 5MHz 16QAM HCH 2687.5MHz RB 1 0 NTN



Band41 5MHz 16QAM HCH 2687.5MHz RB 1 0 NTNV

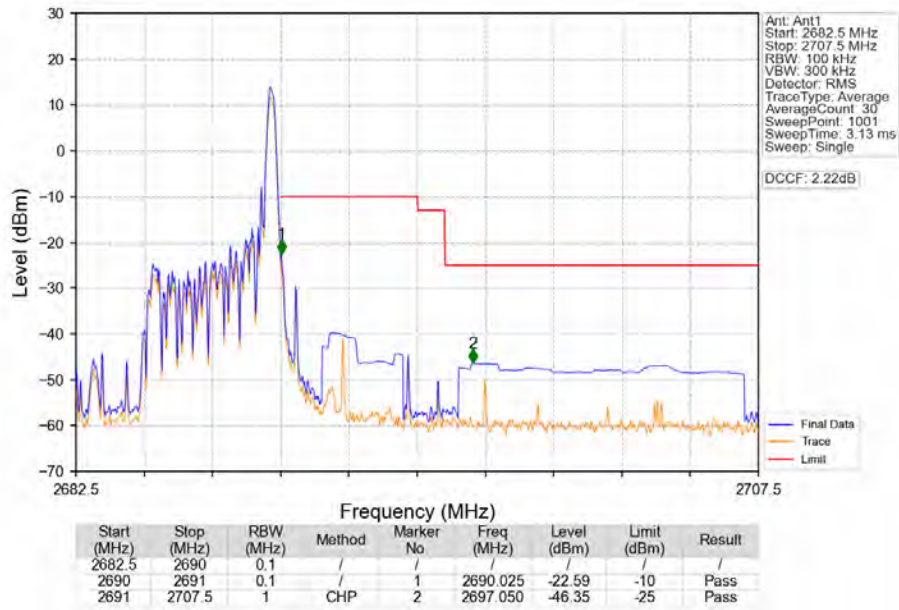


Band41 5MHz 16QAM HCH 2687.5MHz RB 1 0 NTNV

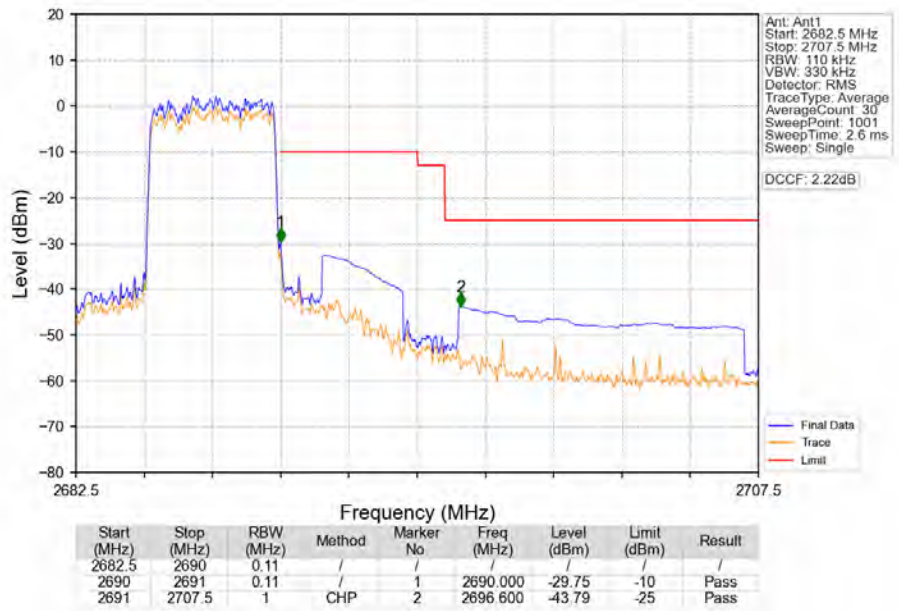




Band41 5MHz 16QAM HCH 2687.5MHz RB 1 24 NTNV



Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV

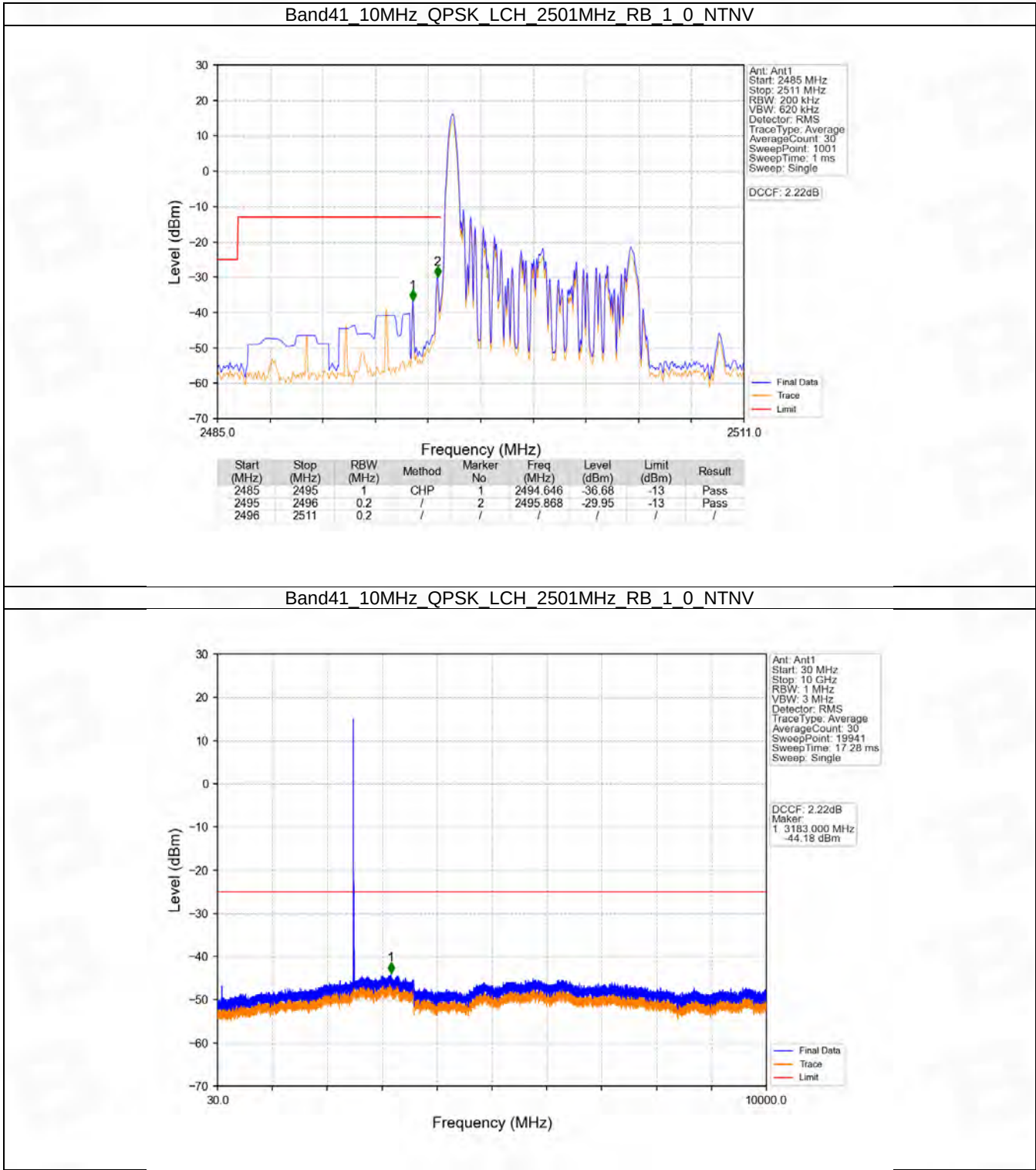


## 6.2 B41\_10MHz

### 6.2.1 Test Result

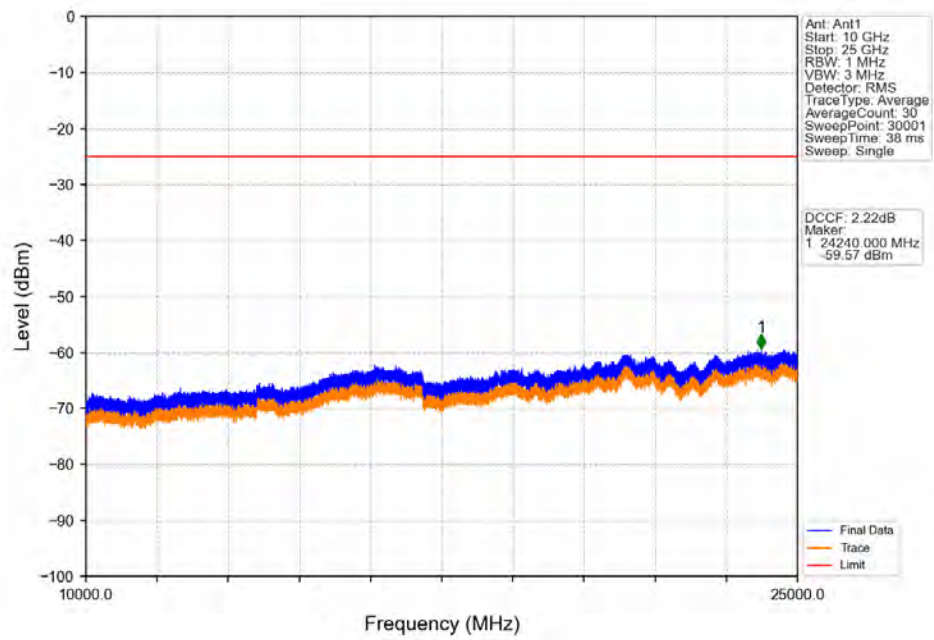
| Band: 41 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2501            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2593            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2685            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2501            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2593            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2685            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

6.2.2 Test Graph

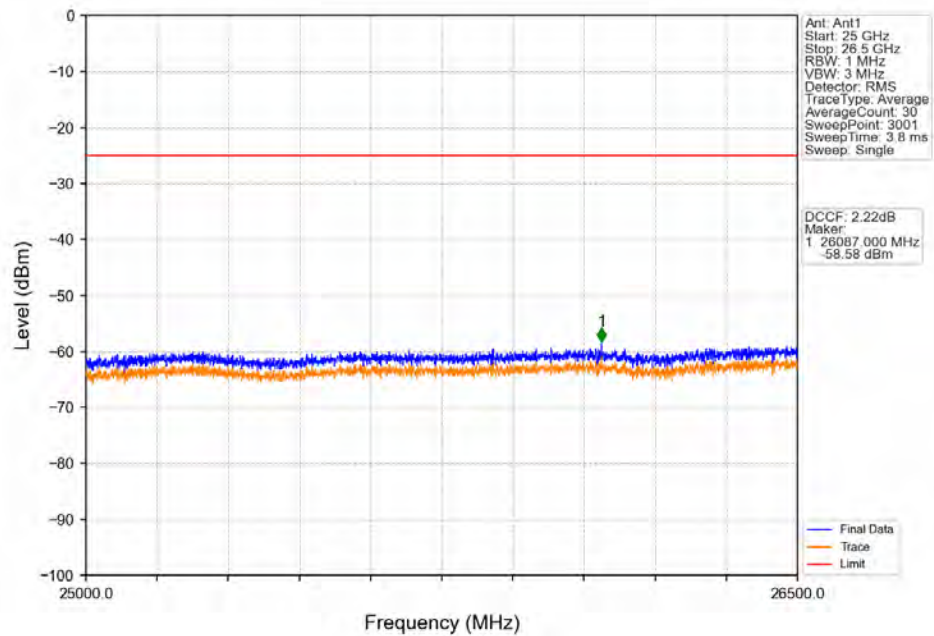




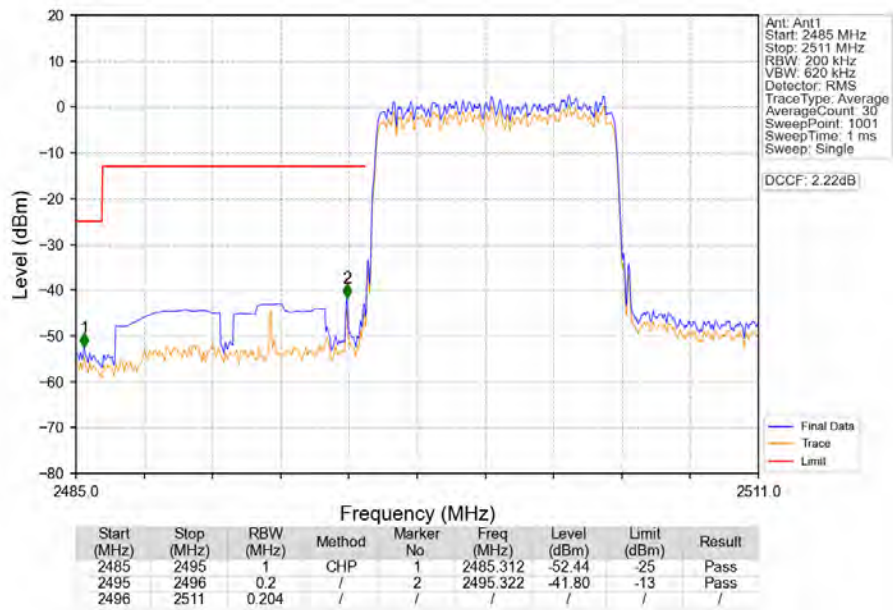
Band41 10MHz QPSK LCH 2501MHz RB 1 0 NTNV



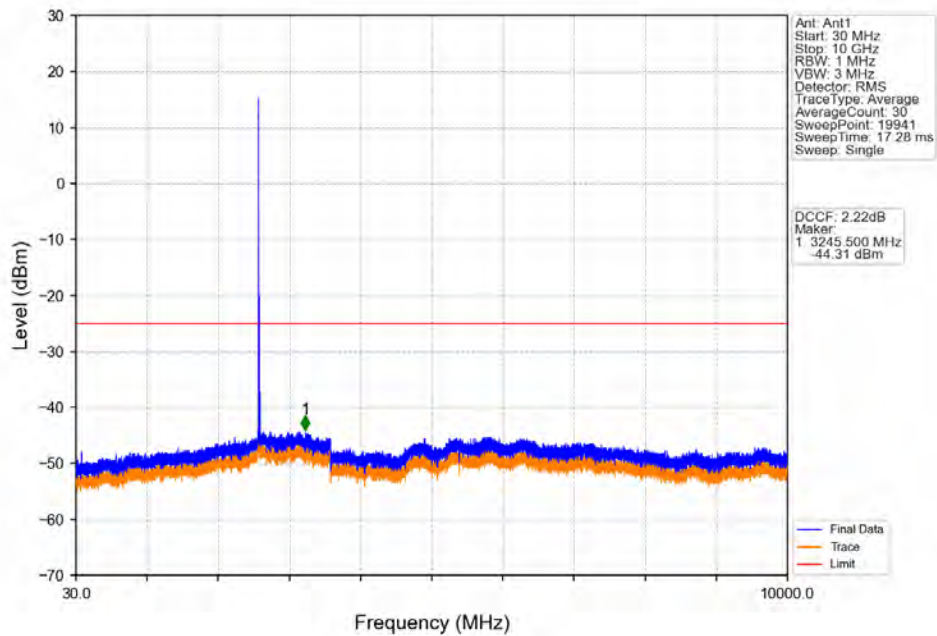
Band41 10MHz QPSK LCH 2501MHz RB 1 0 NTNV



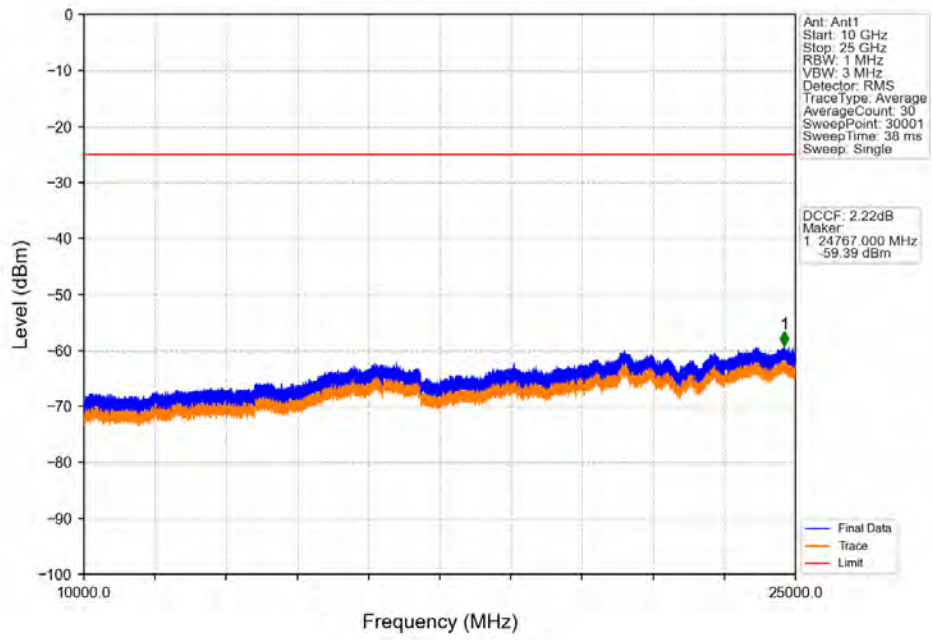
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



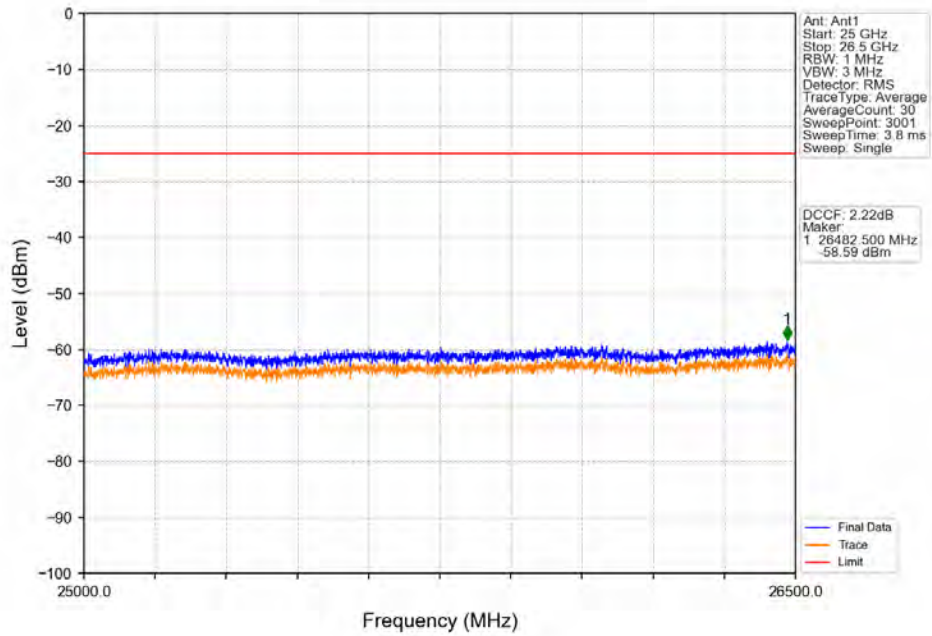
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



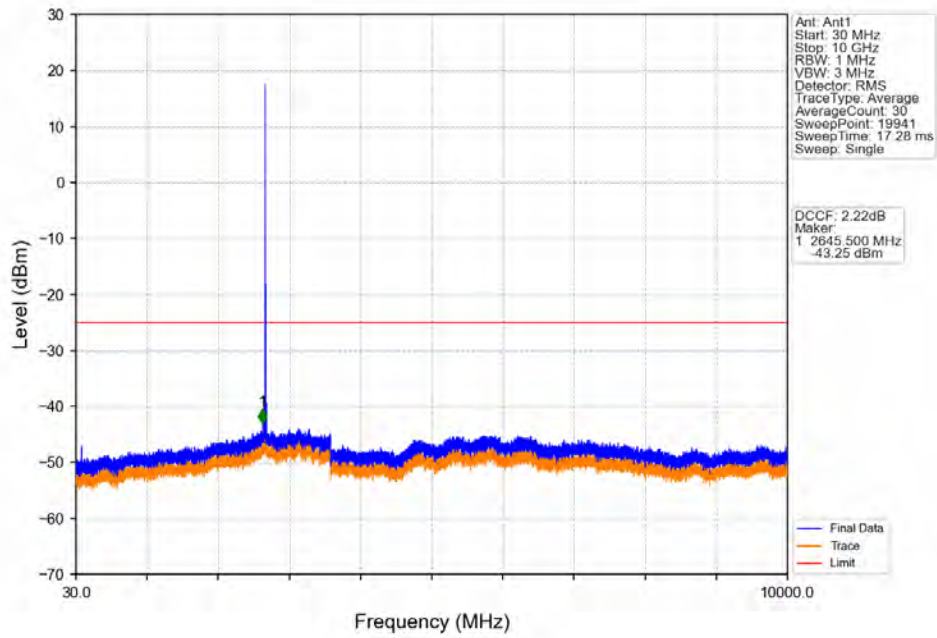
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



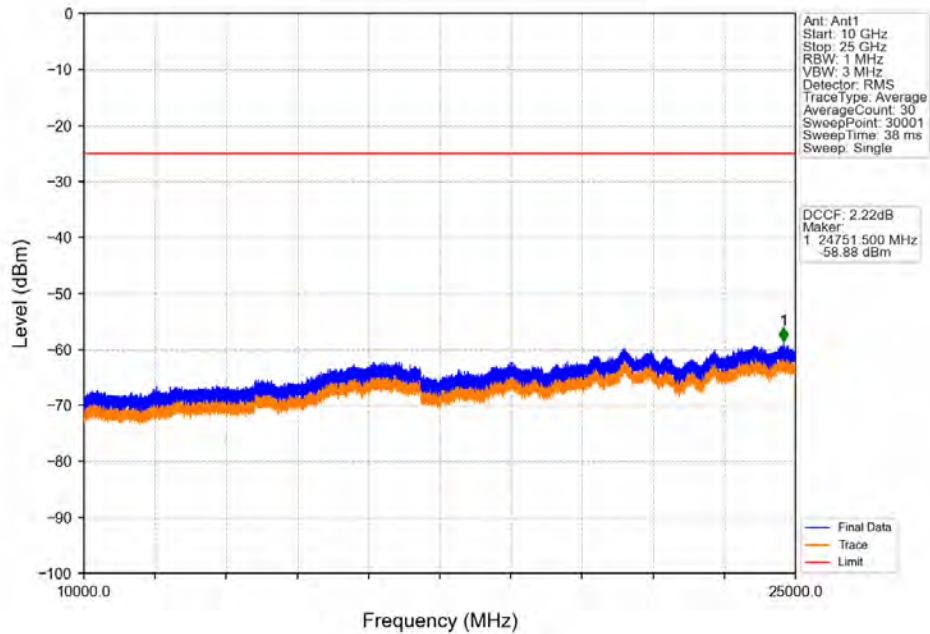
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



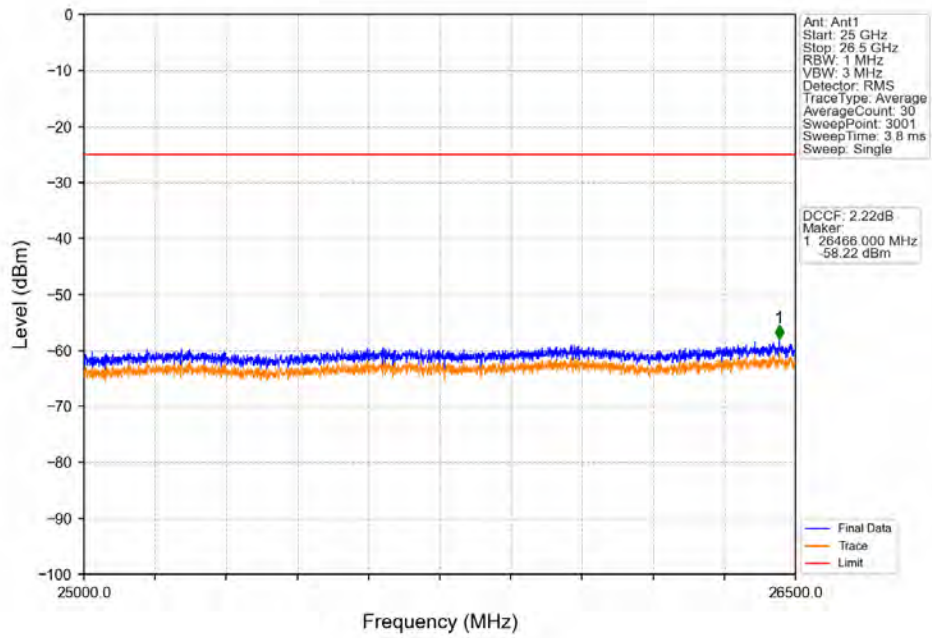
Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTNV



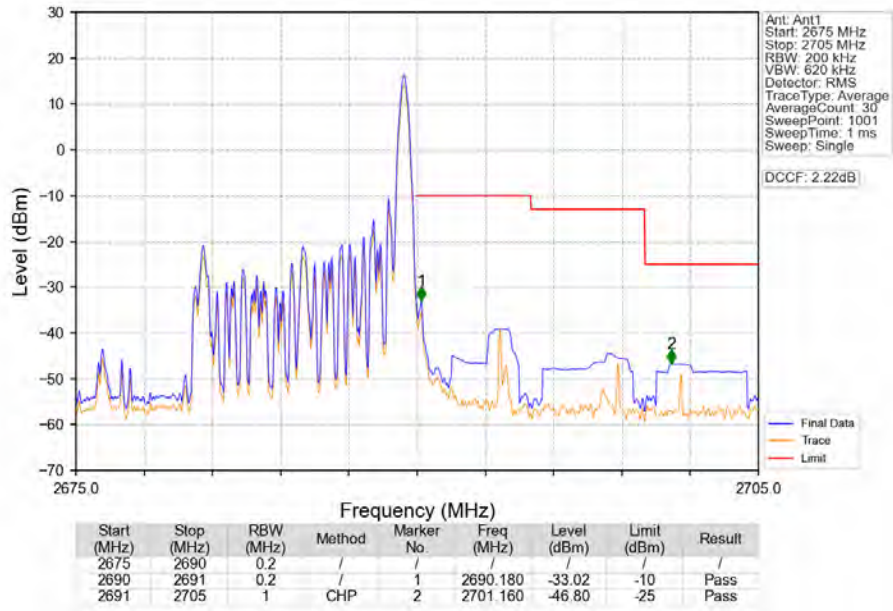
Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTNV



Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV

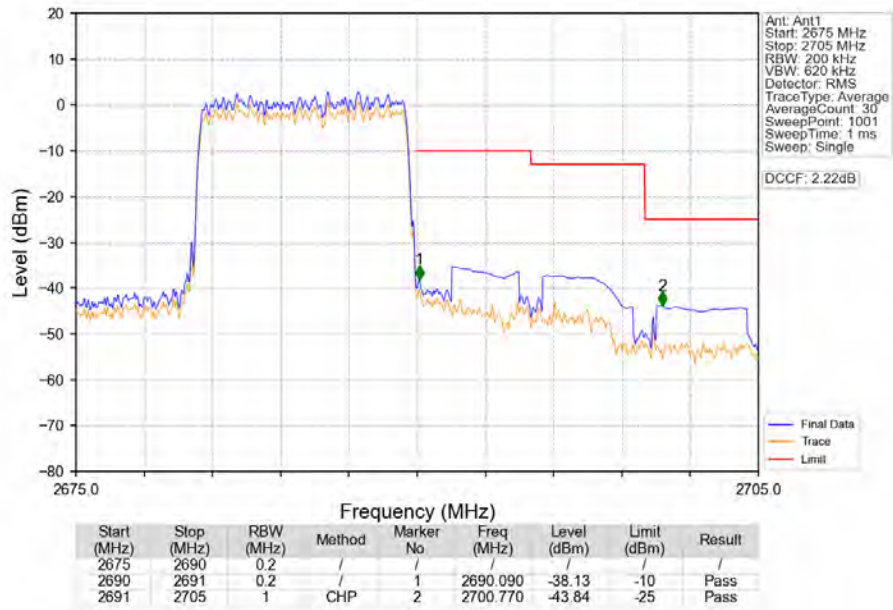


Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_49\_NTNV

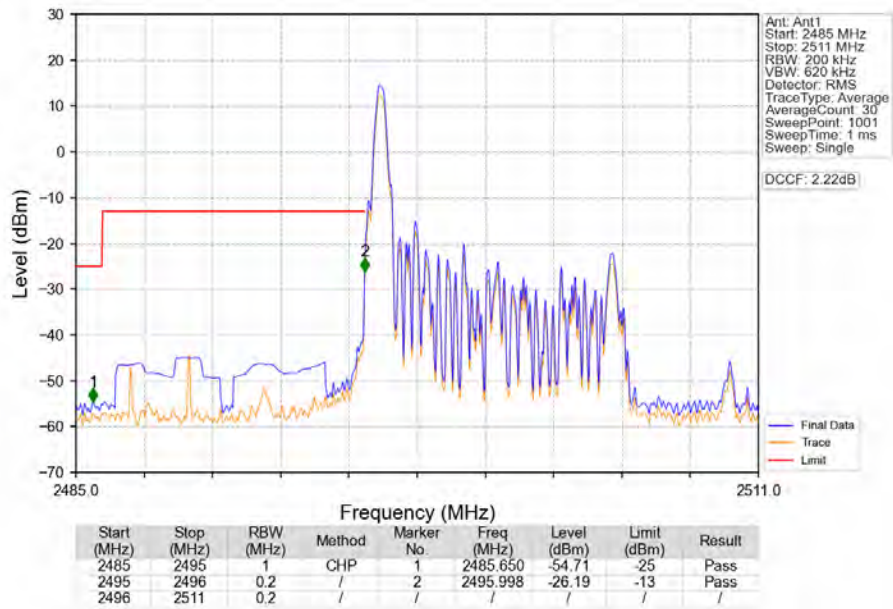




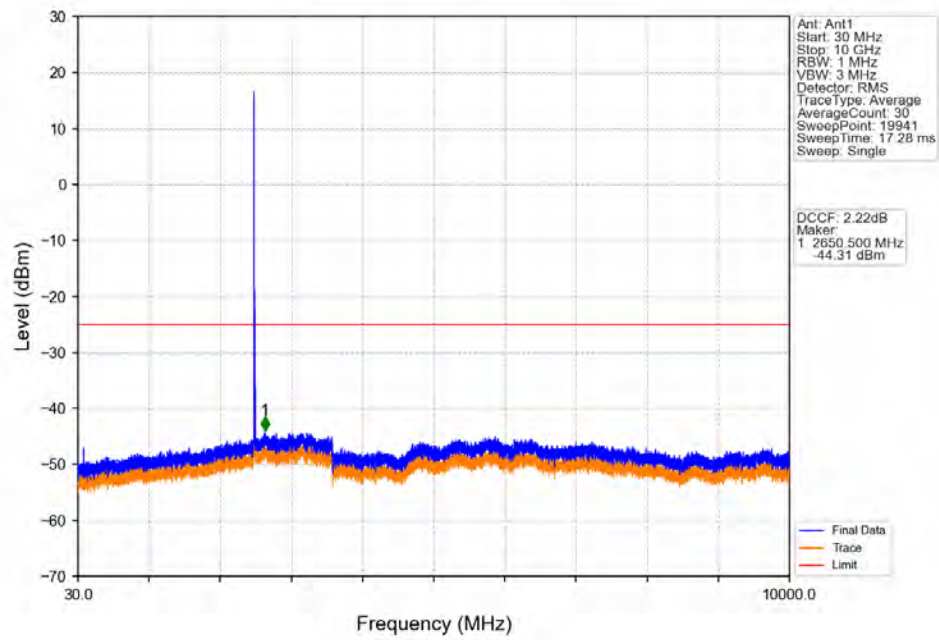
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



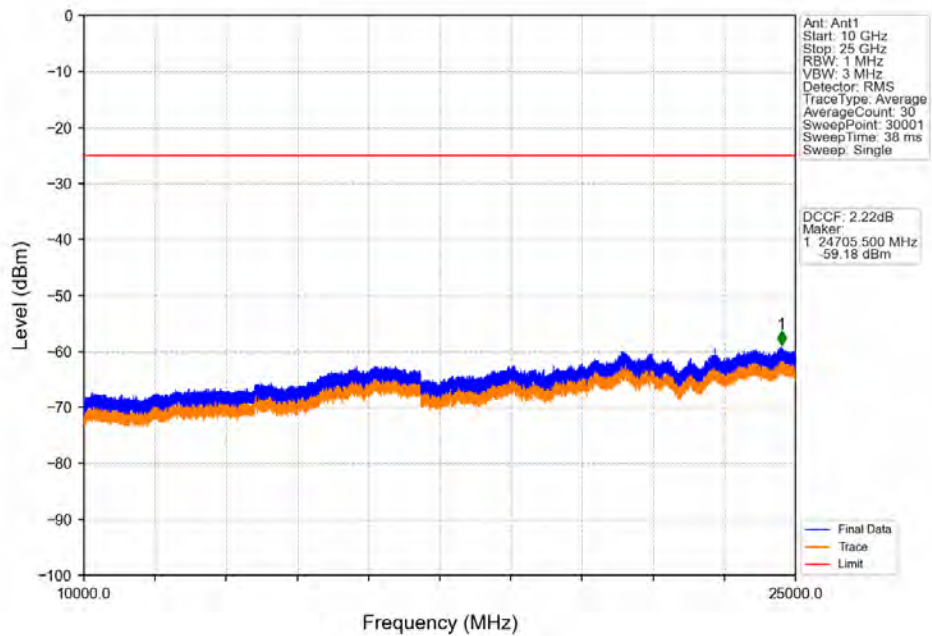
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV

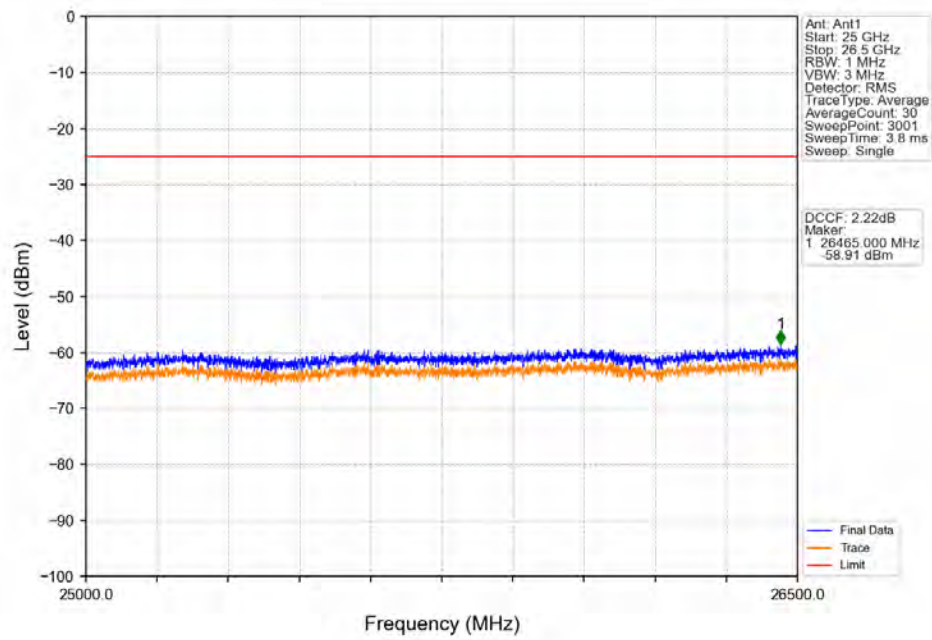


Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV

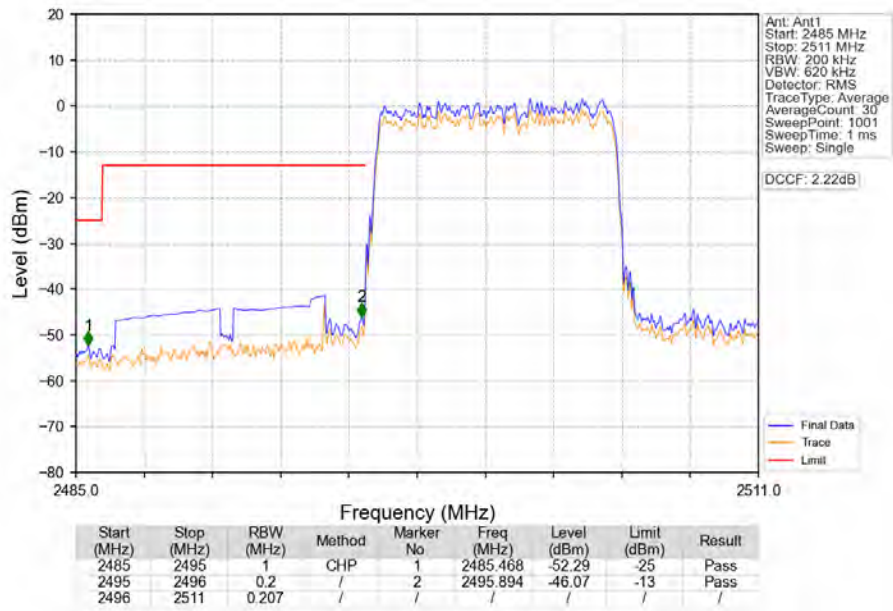




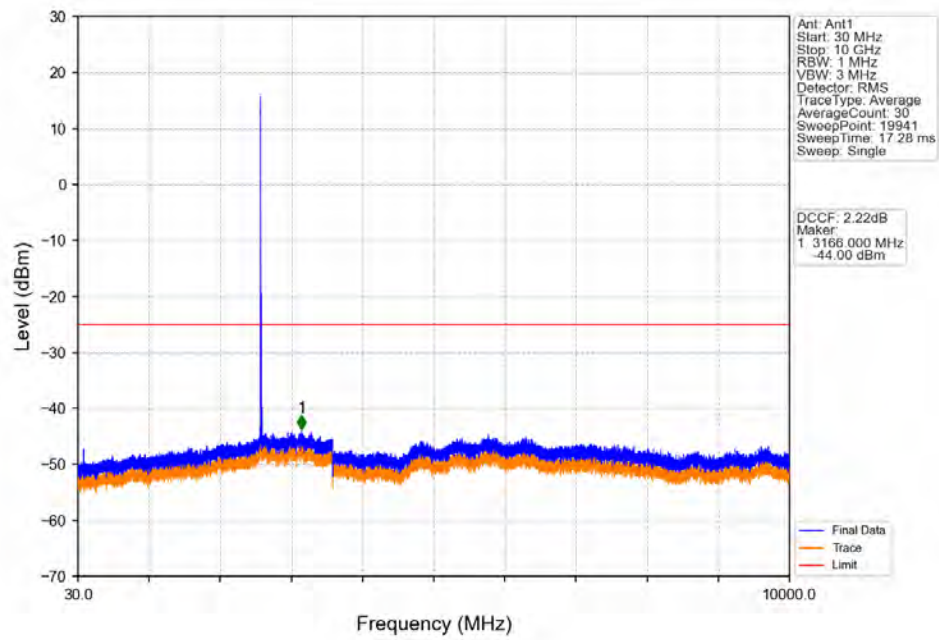
Band41 10MHz 16QAM LCH 2501MHz RB 1 0 NTV



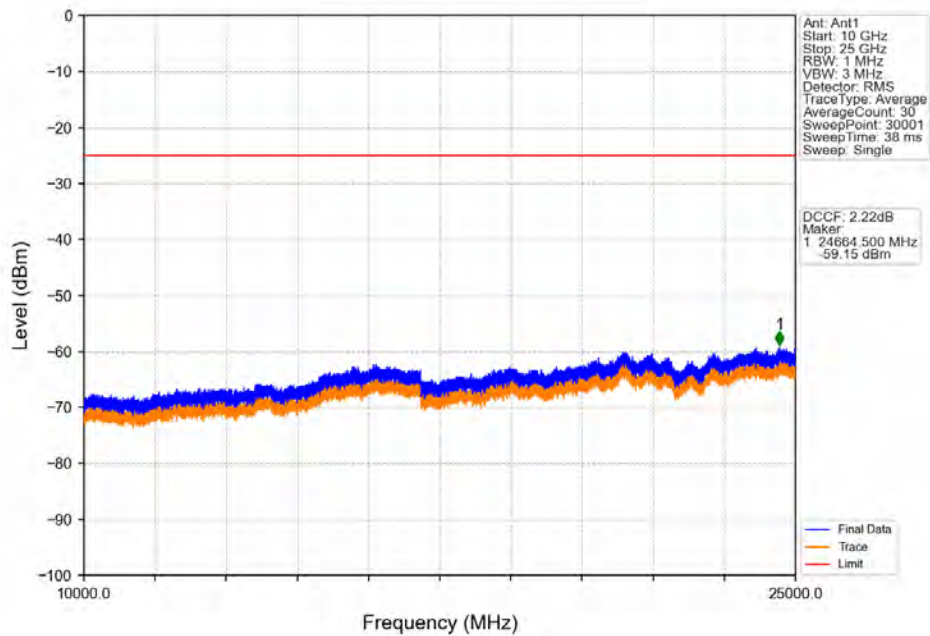
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTV



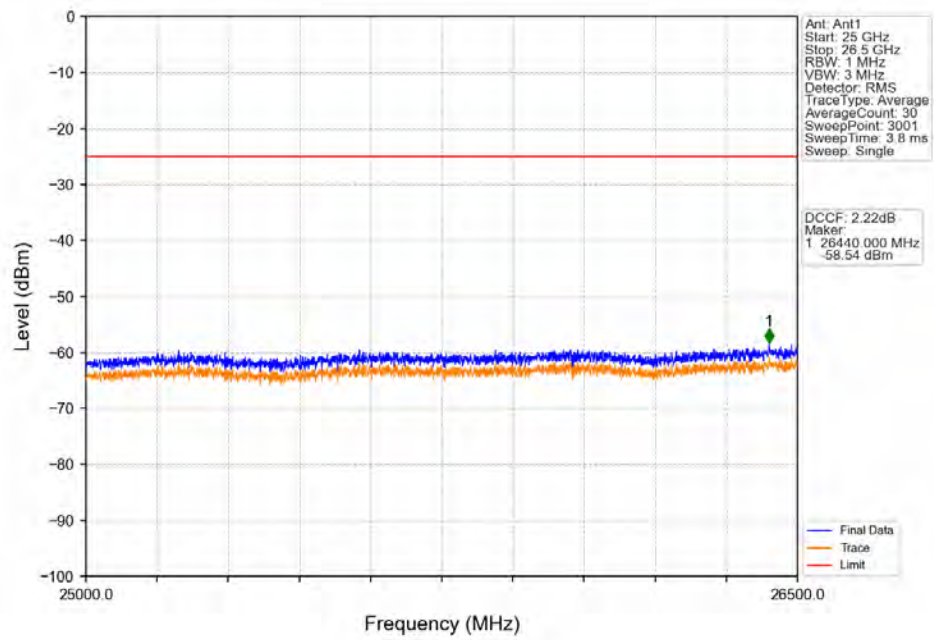
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



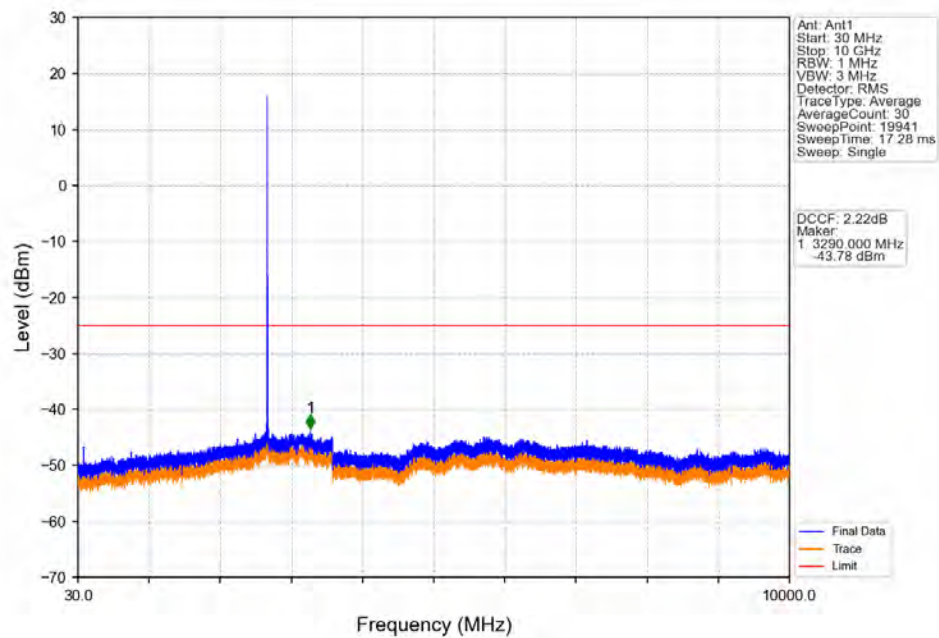
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



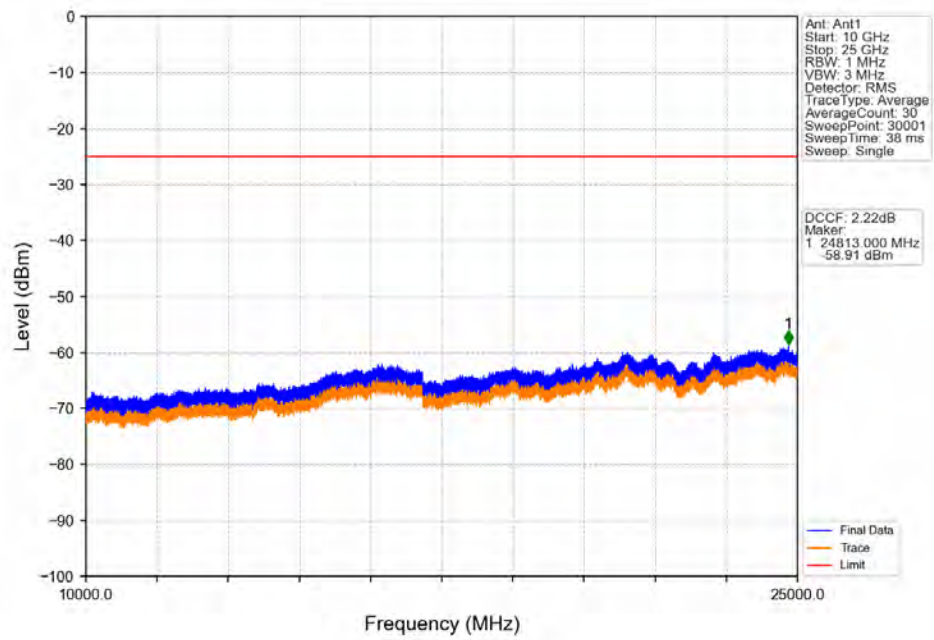
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



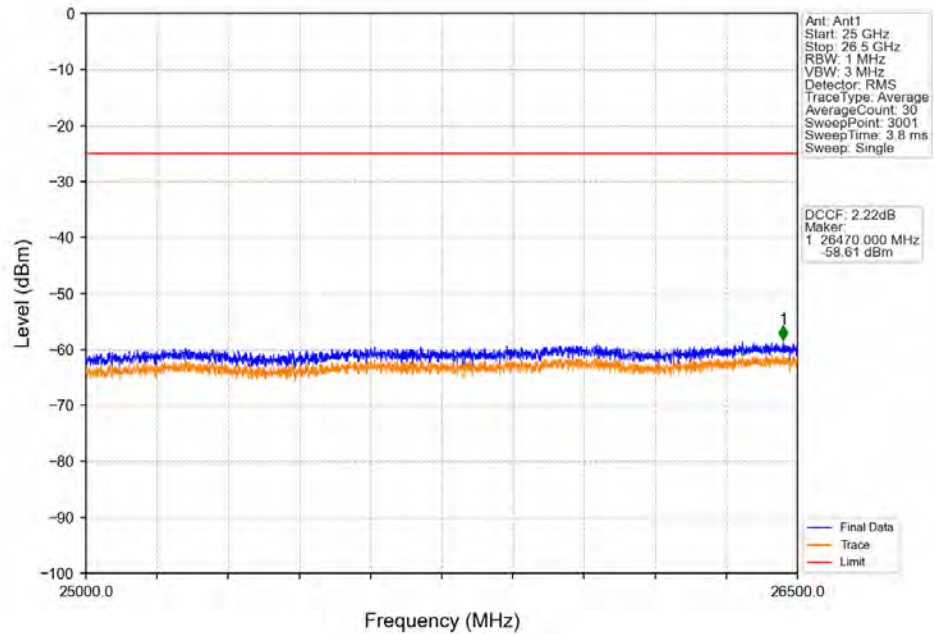
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



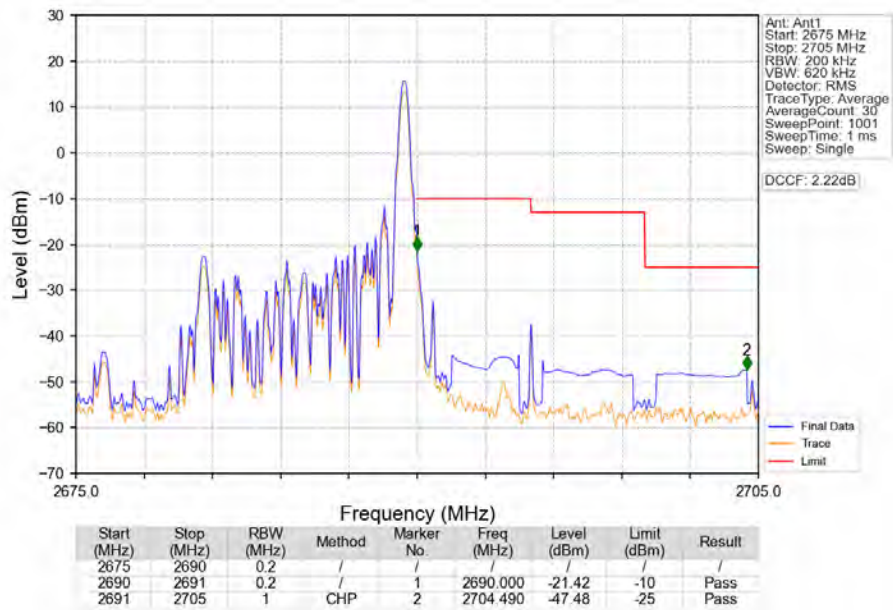
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



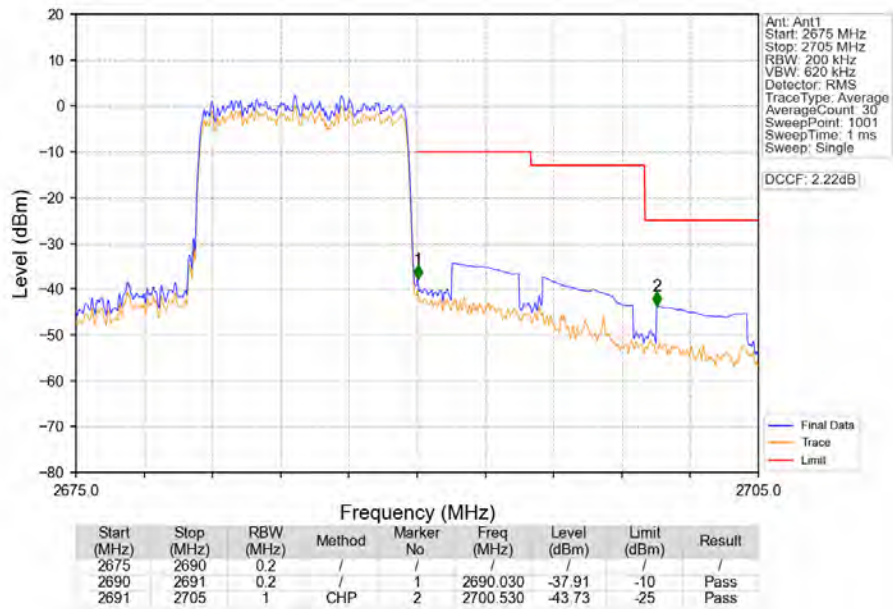
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



Band41 10MHz 16QAM HCH 2685MHz RB 1 49 NTNV



Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV





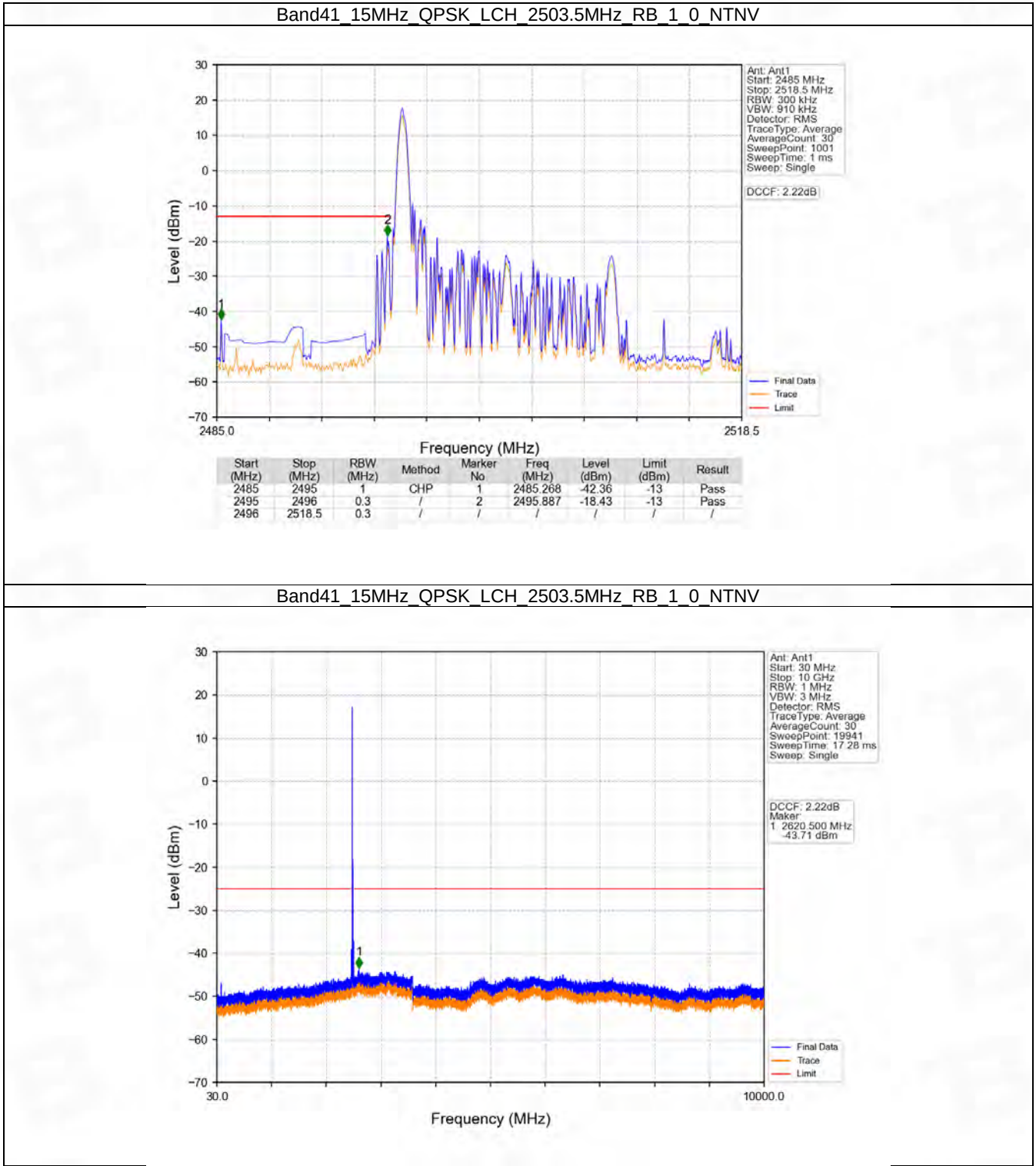
## 6.3 B41\_15MHz

### 6.3.1 Test Result

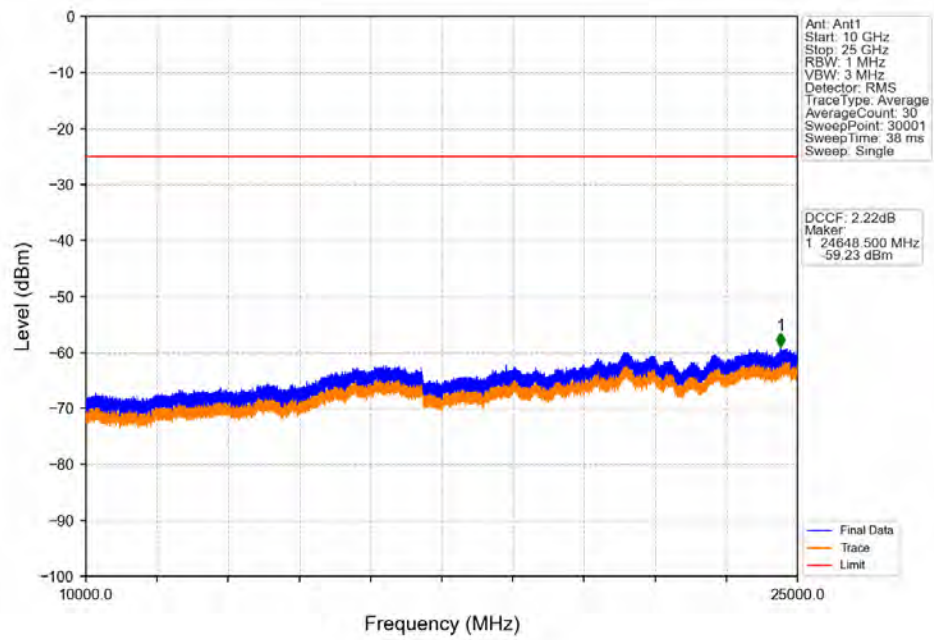
| Band: 41 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2503.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2593            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2682.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2503.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2593            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2682.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |



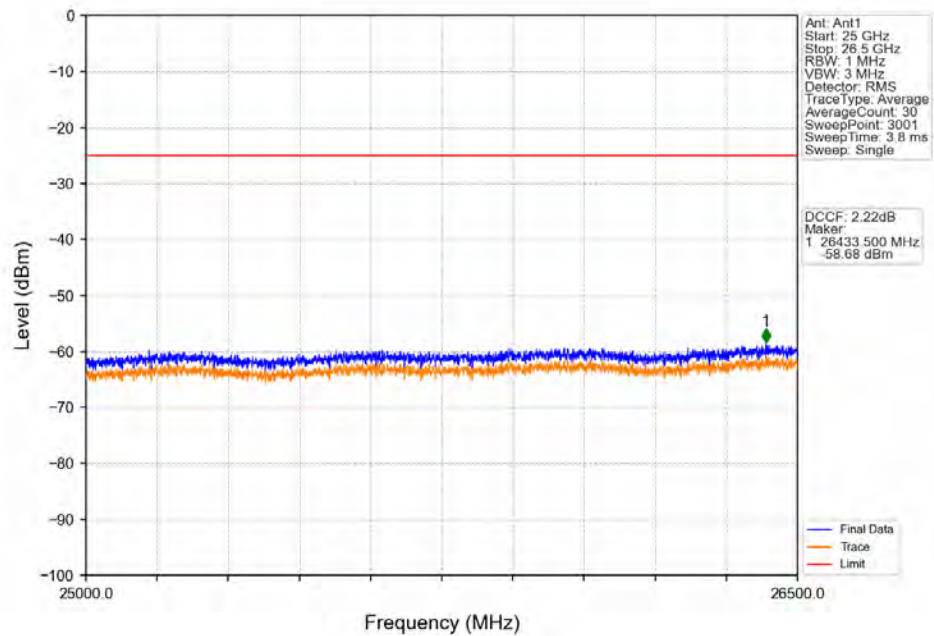
6.3.2 Test Graph



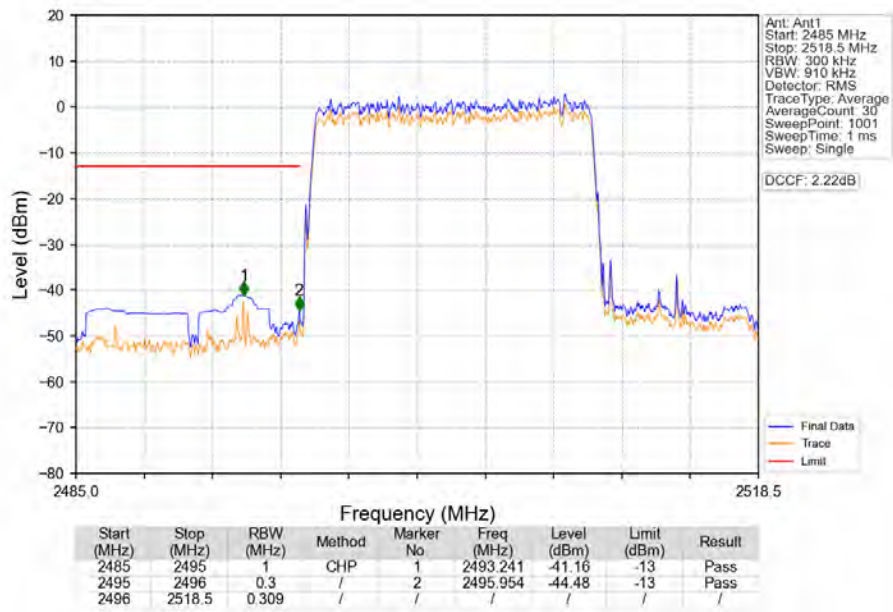
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



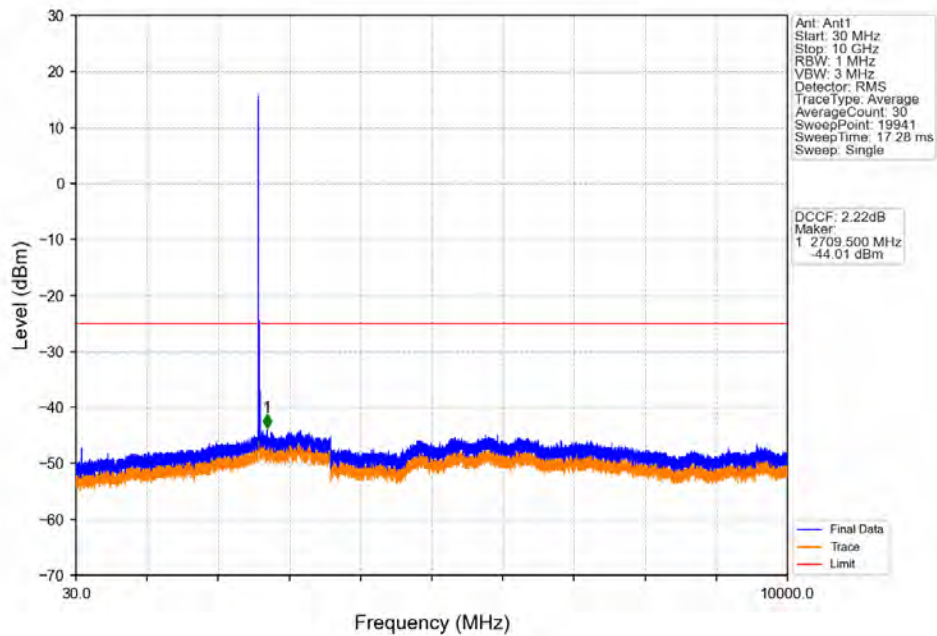
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



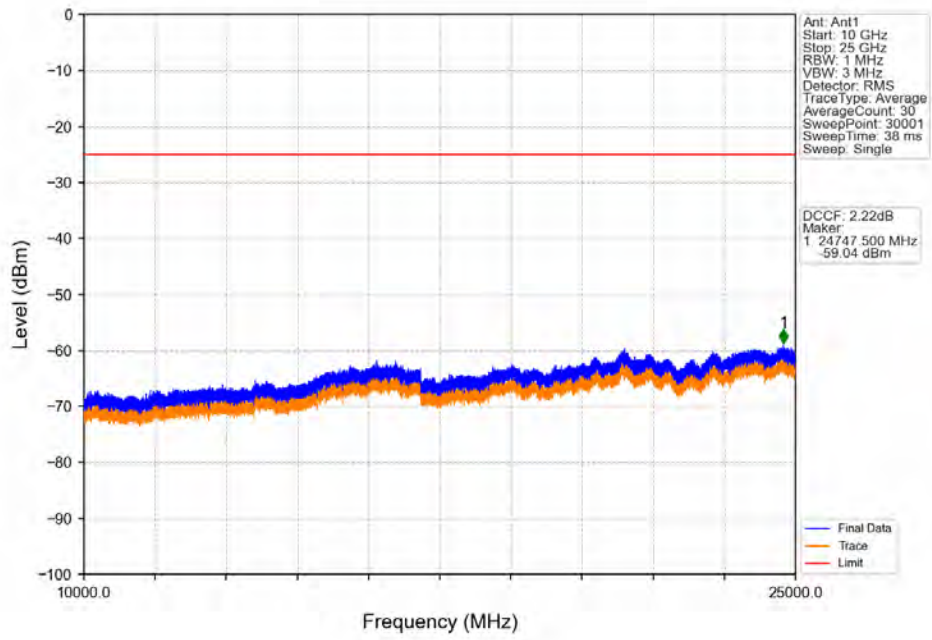
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



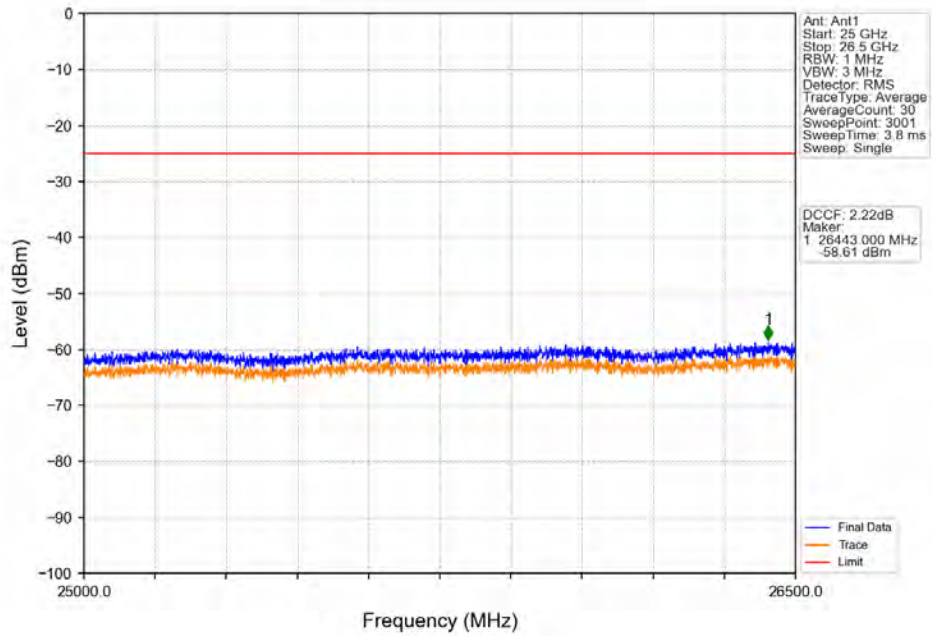
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTNV



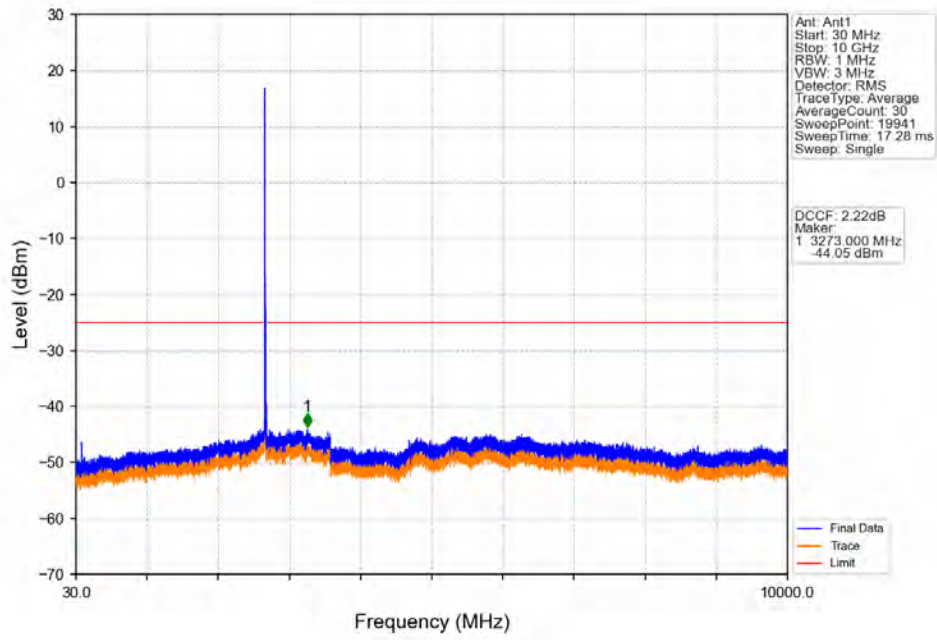
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



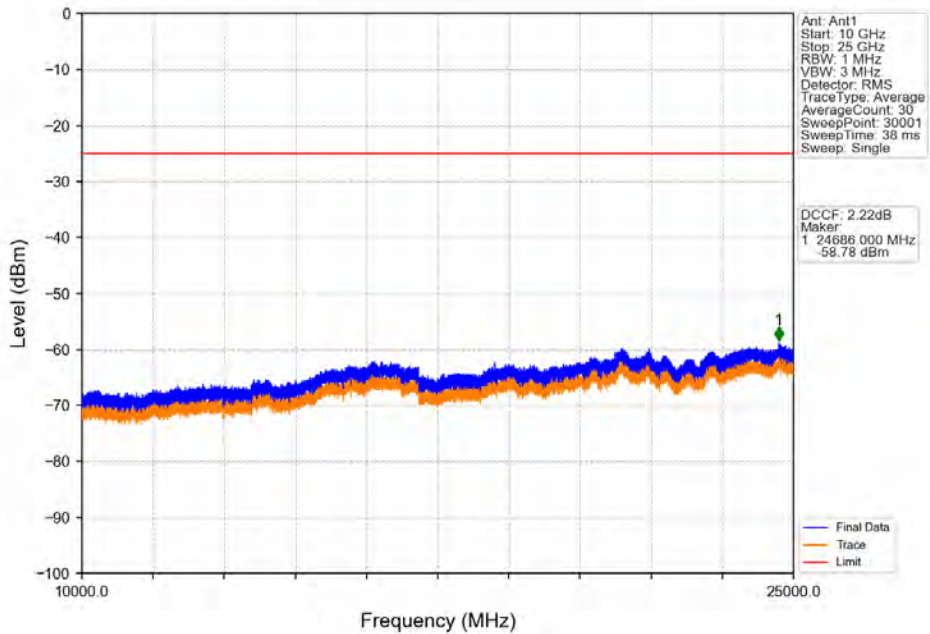
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41 15MHz QPSK HCH 2682.5MHz RB 1 0 NTV

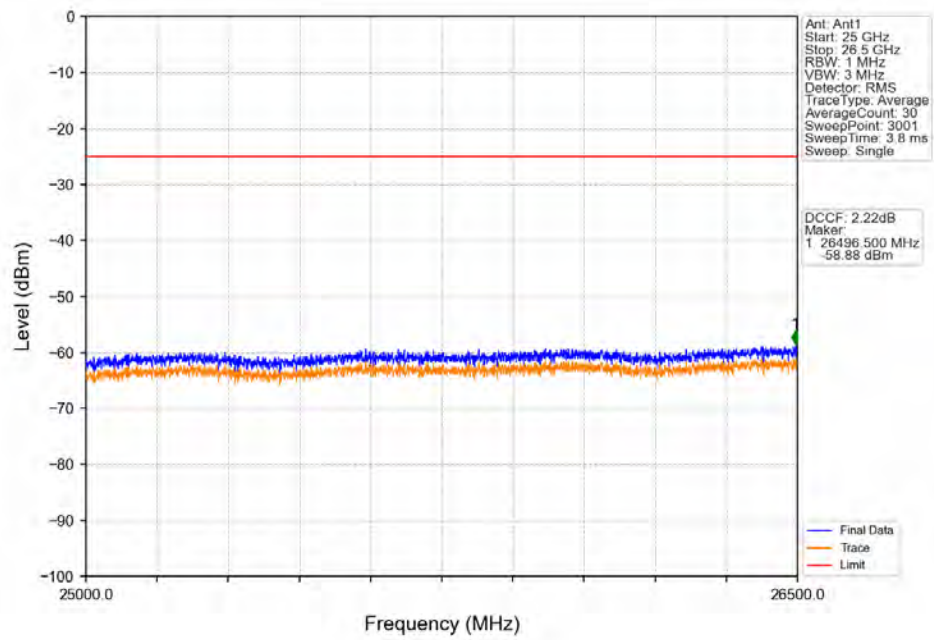


Band41 15MHz QPSK HCH 2682.5MHz RB 1 0 NTV





Band41 15MHz QPSK HCH 2682.5MHz RB 1 0 NTV



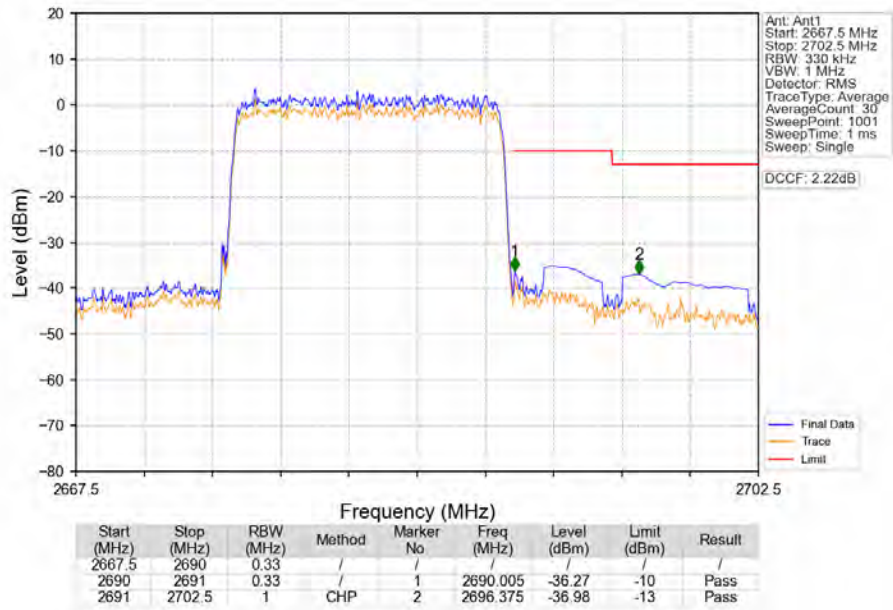
Band41 15MHz QPSK HCH 2682.5MHz RB 1 74 NTV



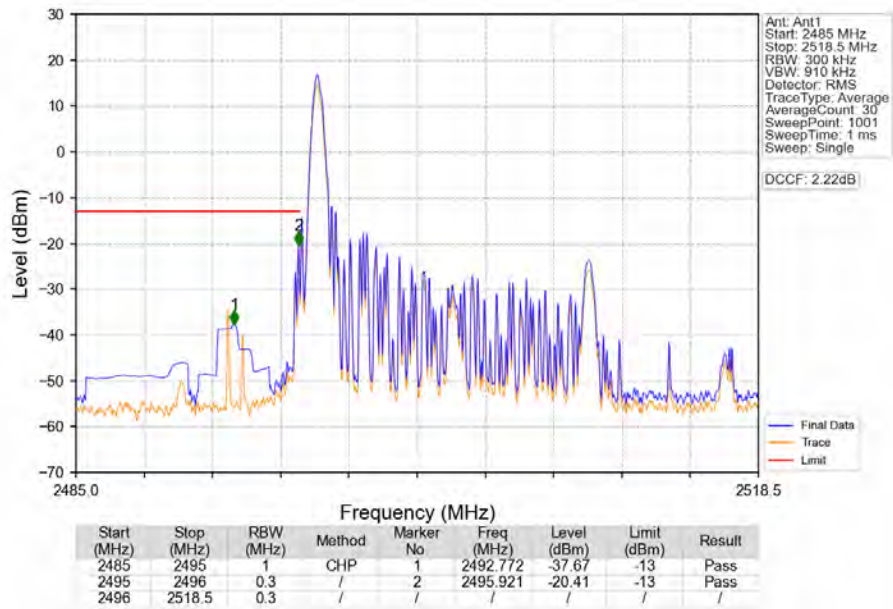
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2667.5      | 2690       | 0.3       | /      | 1          | 2690.005   | -17.34      | -10         | Pass   |
| 2691        | 2702.5     | 1         | CHP    | 2          | 2695.570   | -43.62      | -13         | Pass   |



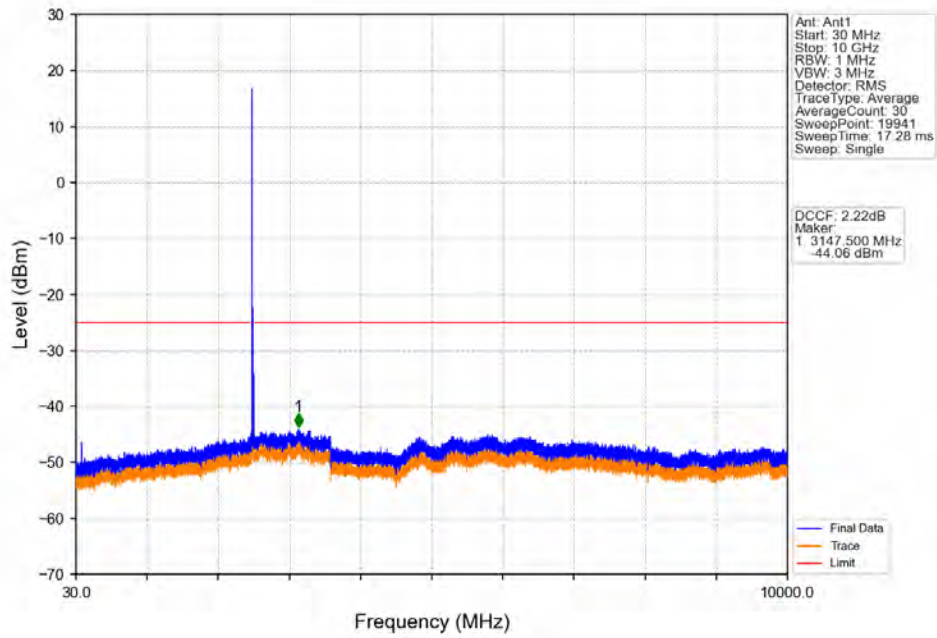
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV



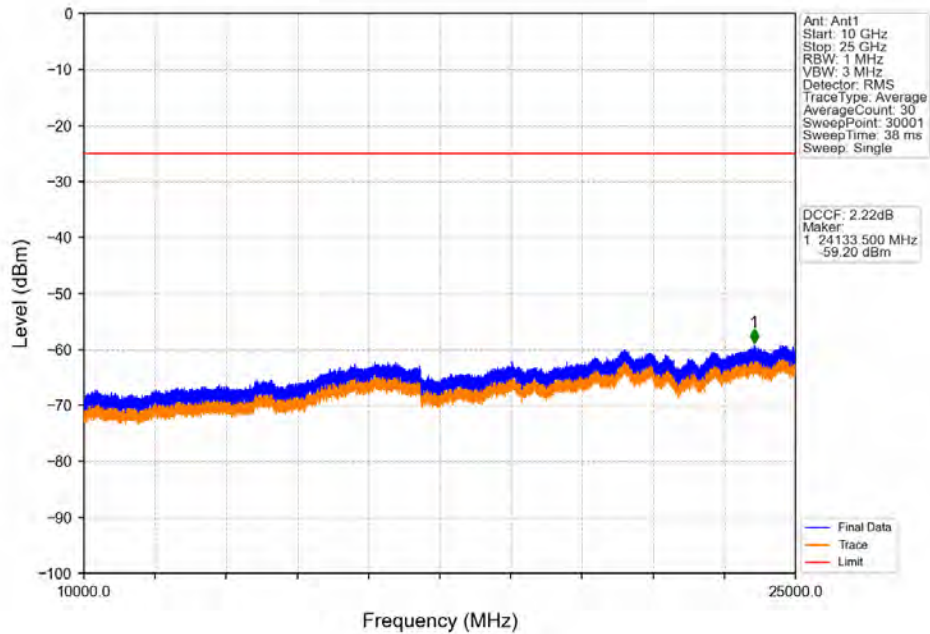
Band41 15MHz 16QAM LCH 2503.5MHz RB 1 0 NTNV



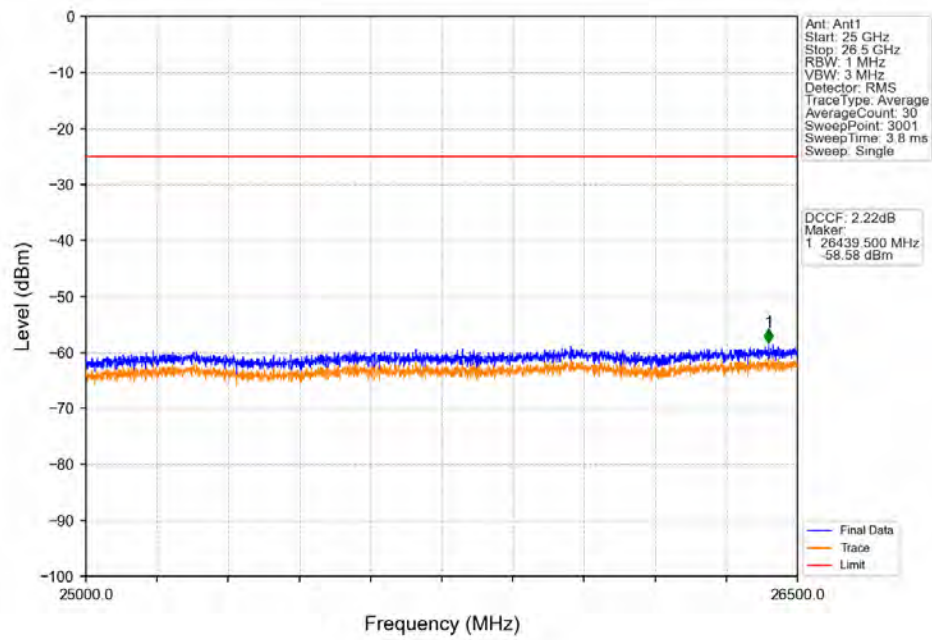
Band41 15MHz 16QAM LCH 2503.5MHz RB 1 0 NTNV



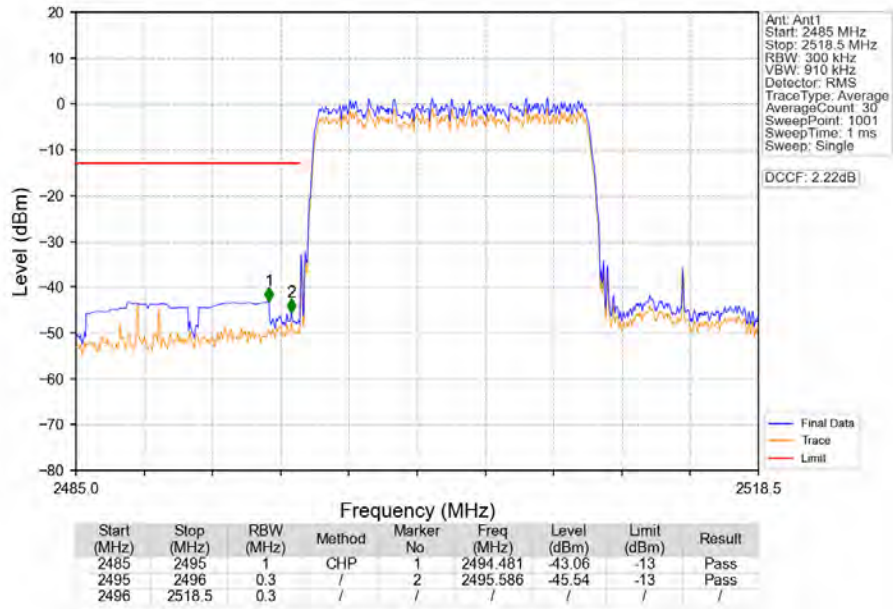
Band41 15MHz 16QAM LCH 2503.5MHz RB 1 0 NTNV



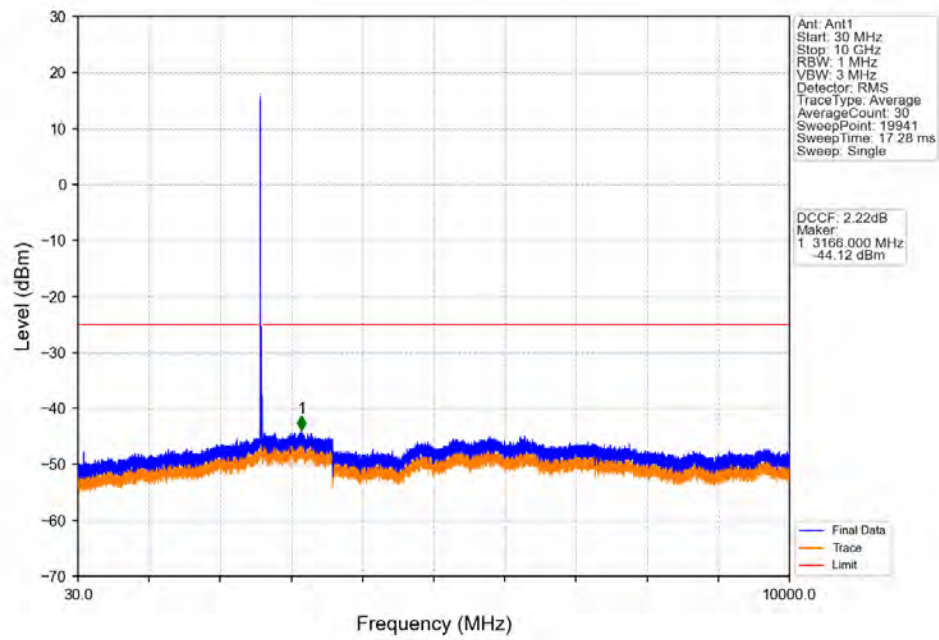
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



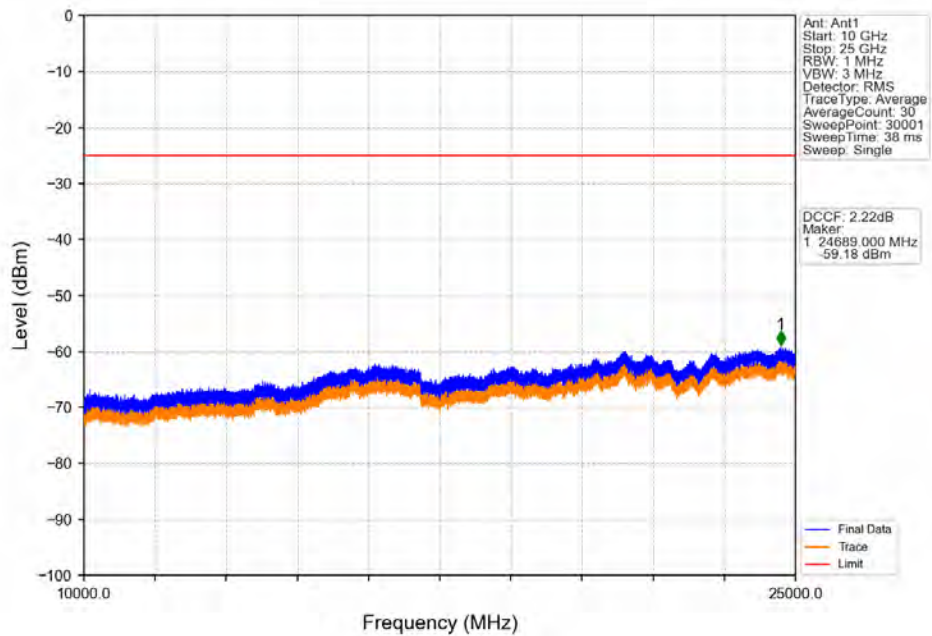
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



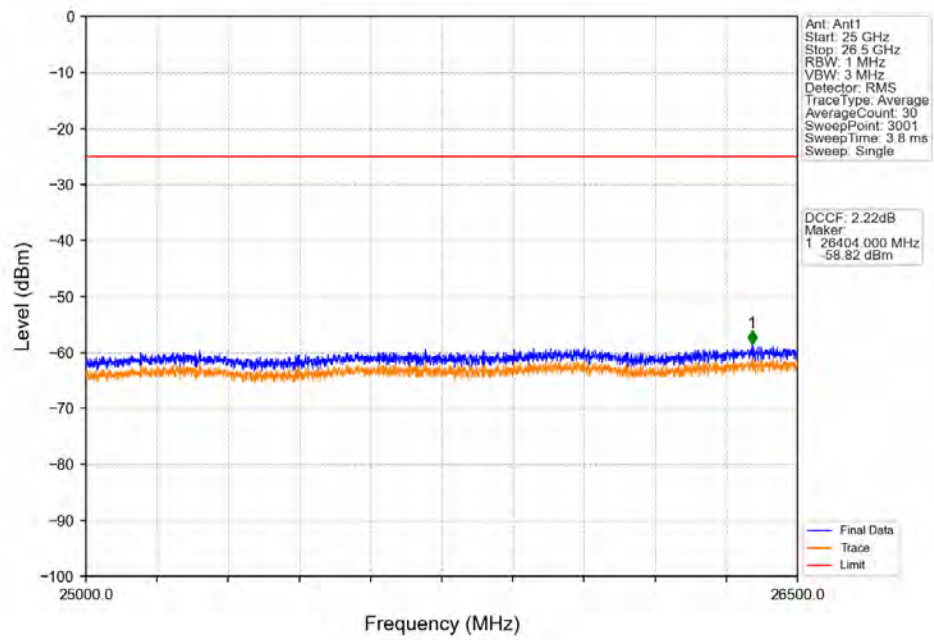
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



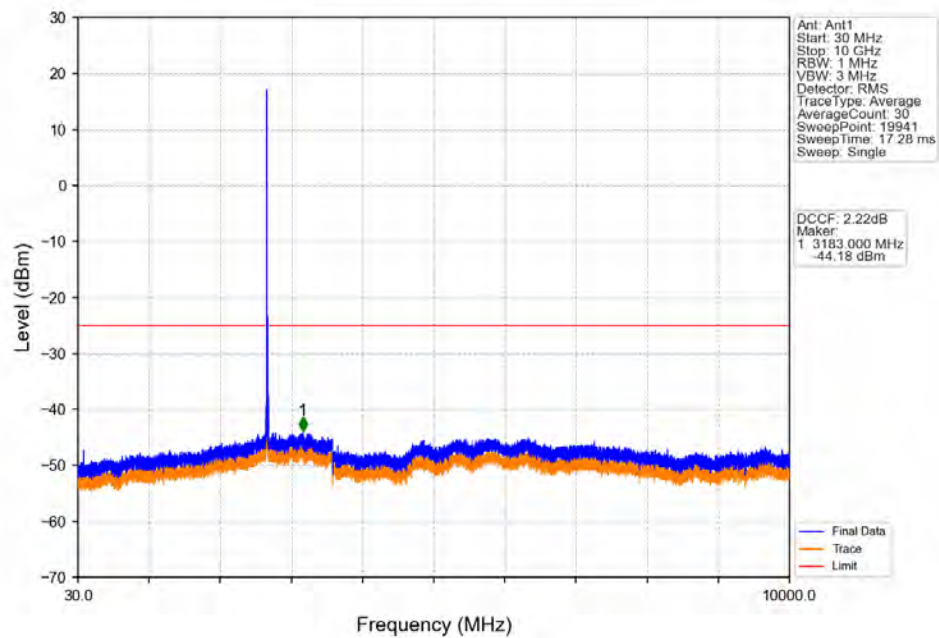
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41 15MHz 16QAM MCH 2593MHz RB 1 0 NTNV

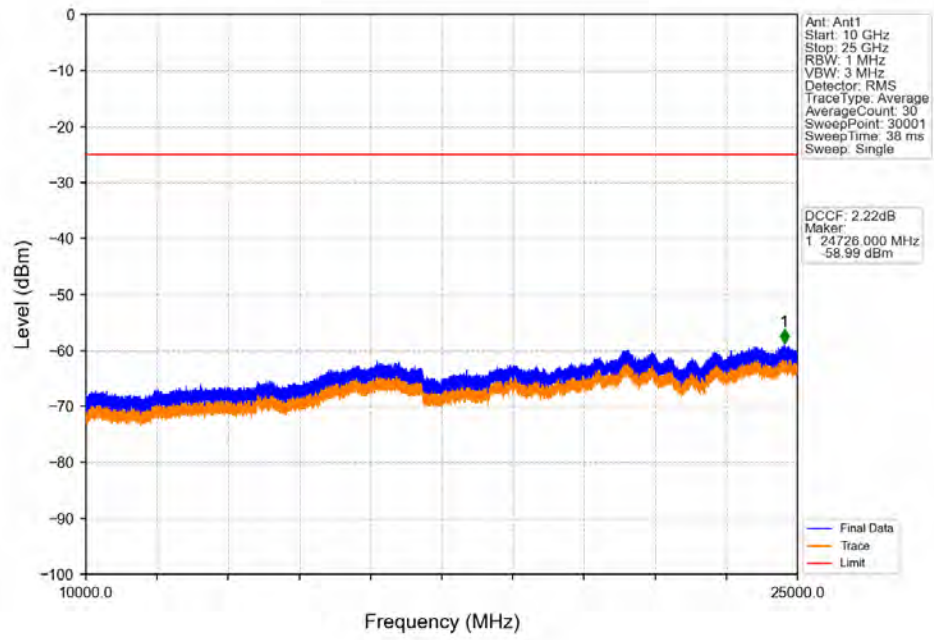


Band41 15MHz 16QAM HCH 2682.5MHz RB 1 0 NTNV

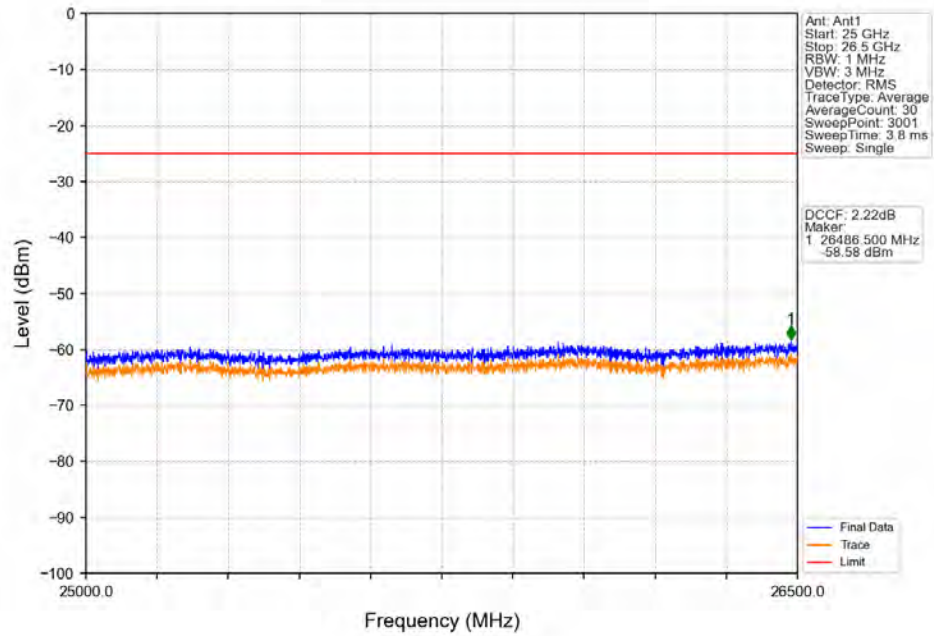




Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

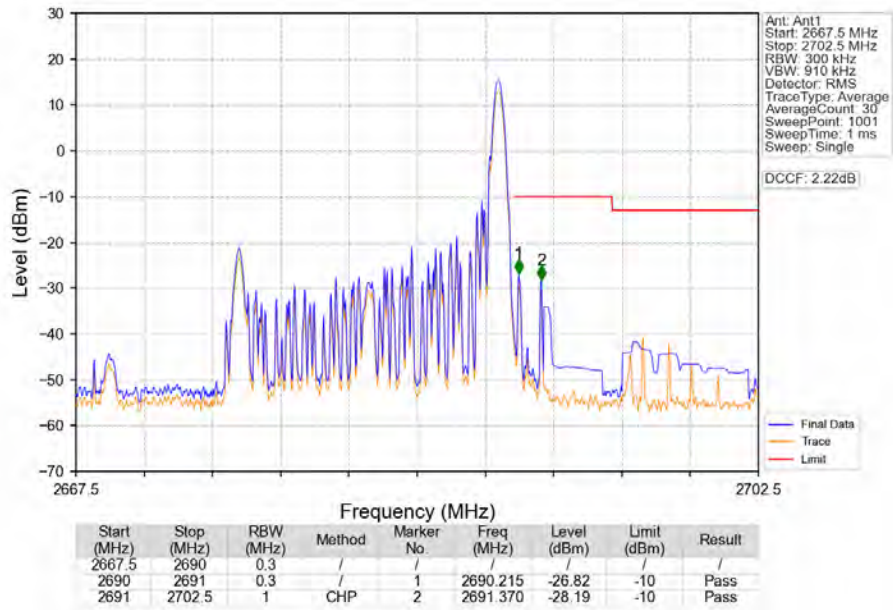


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

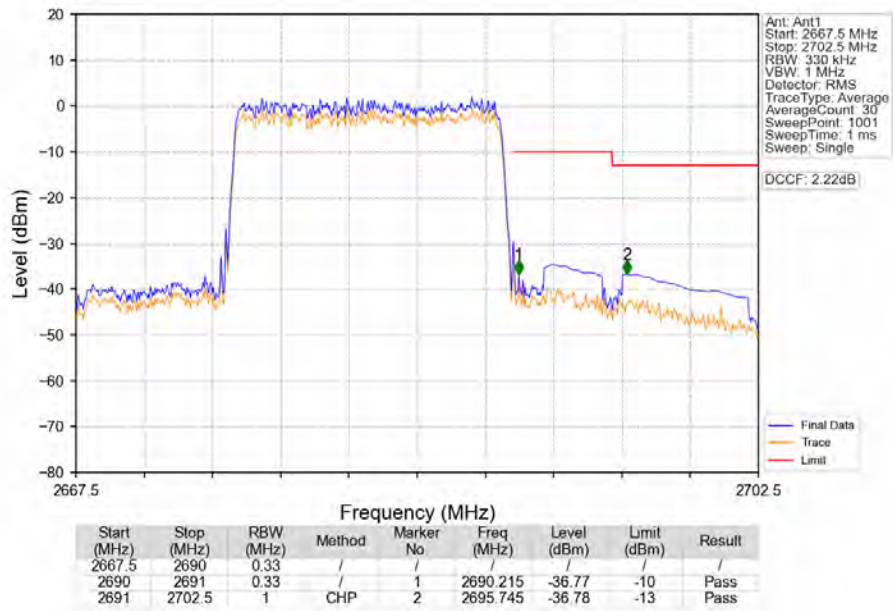




Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

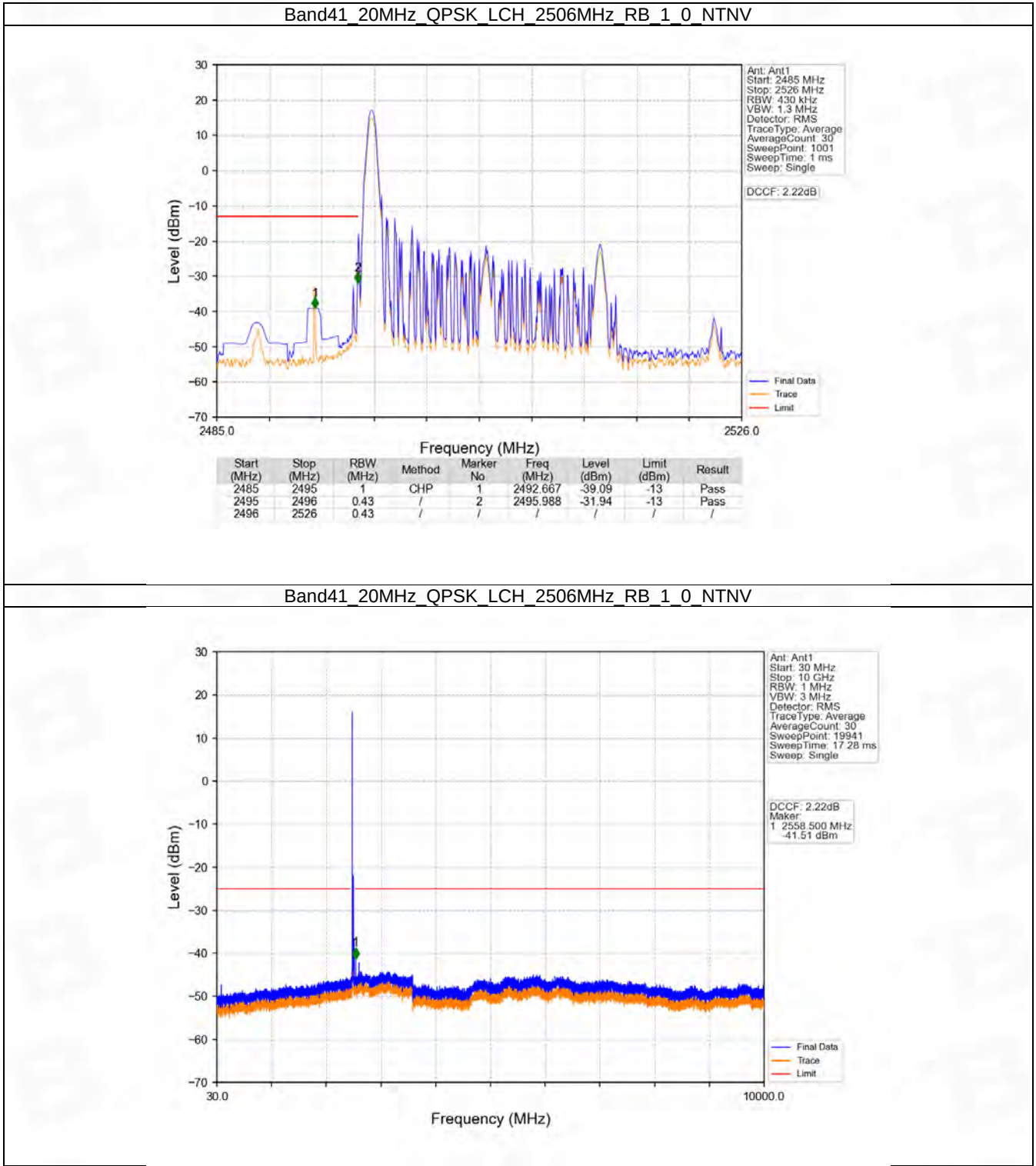


## 6.4 B41\_20MHz

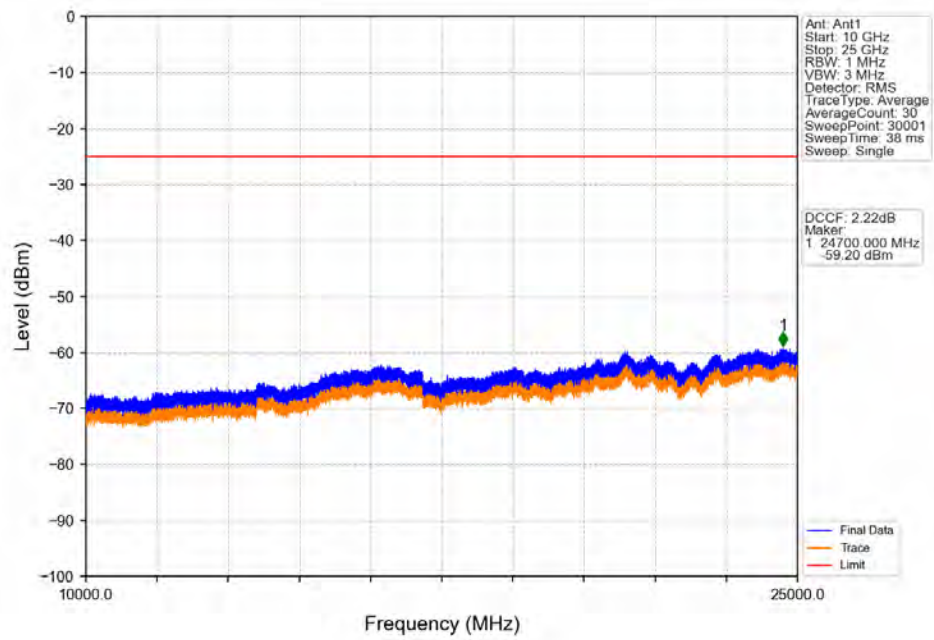
### 6.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2506            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2593            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2680            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2506            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2593            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2680            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

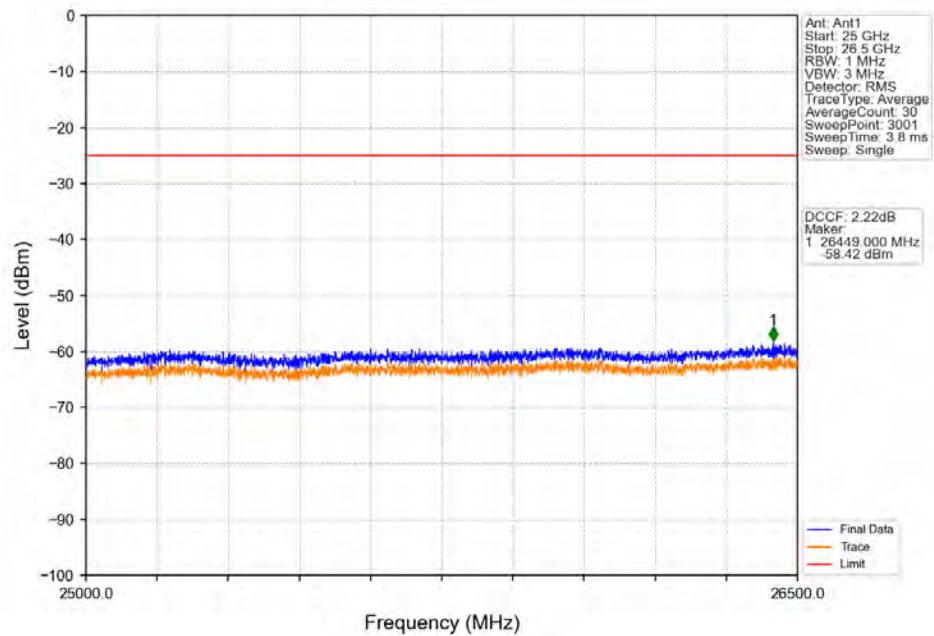
6.4.2 Test Graph



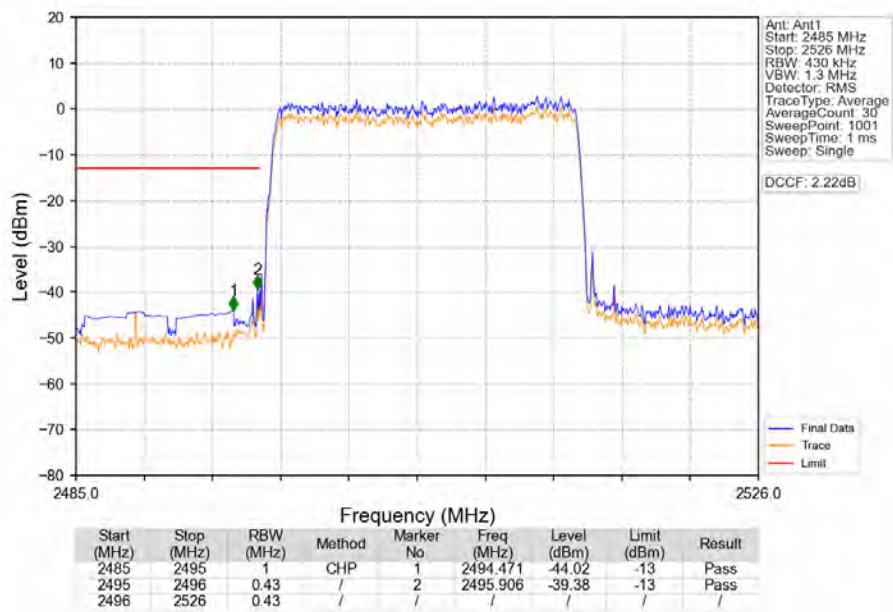
Band41 20MHz QPSK LCH 2506MHz RB 1 0 NTNV



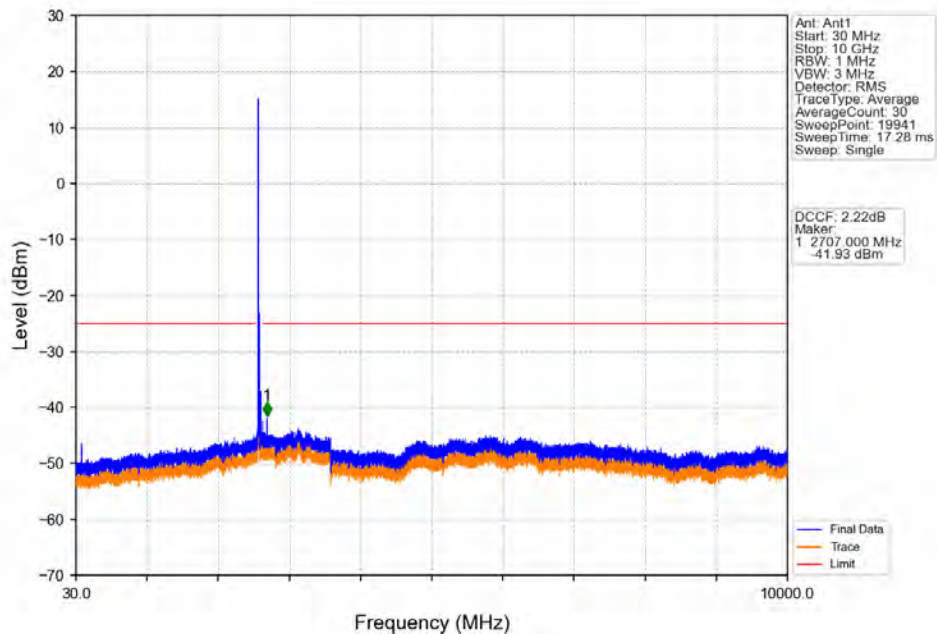
Band41 20MHz QPSK LCH 2506MHz RB 1 0 NTNV



Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV

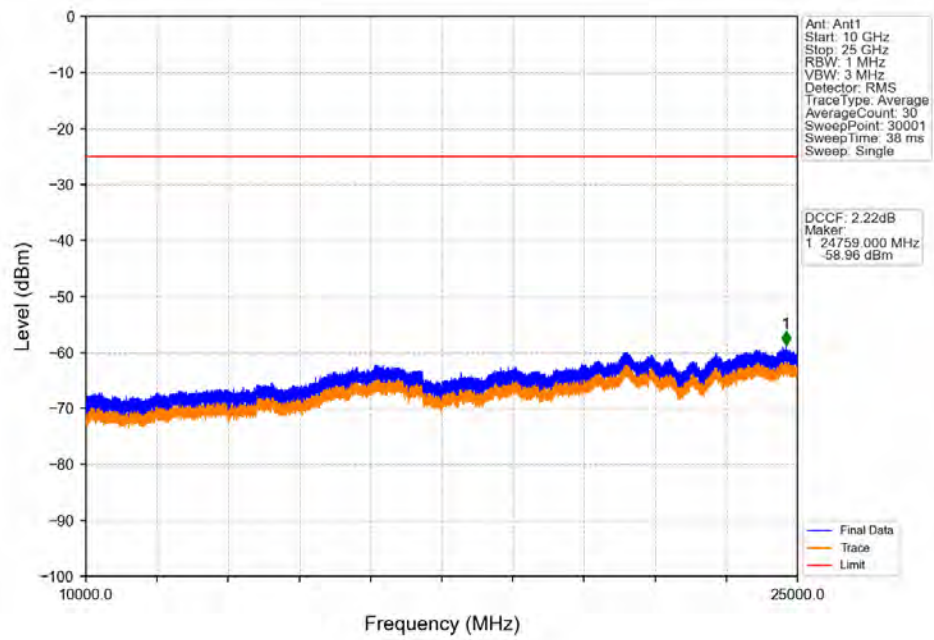


Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV

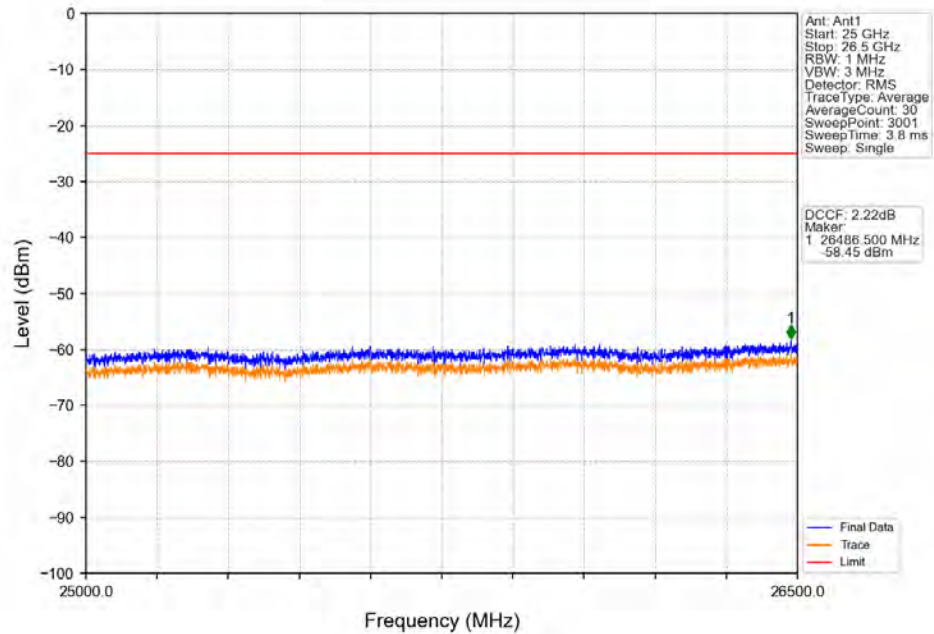




Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV

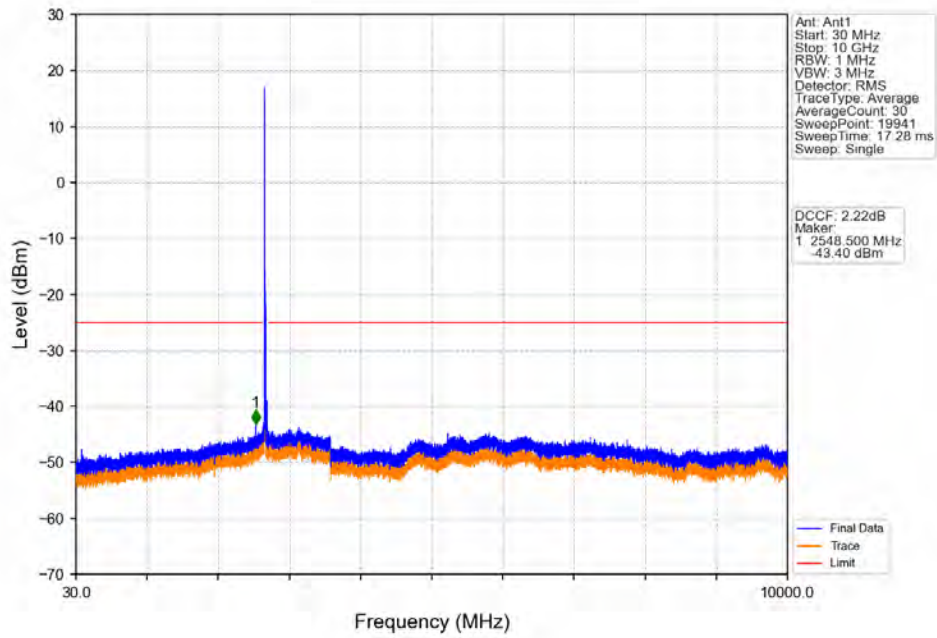


Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV

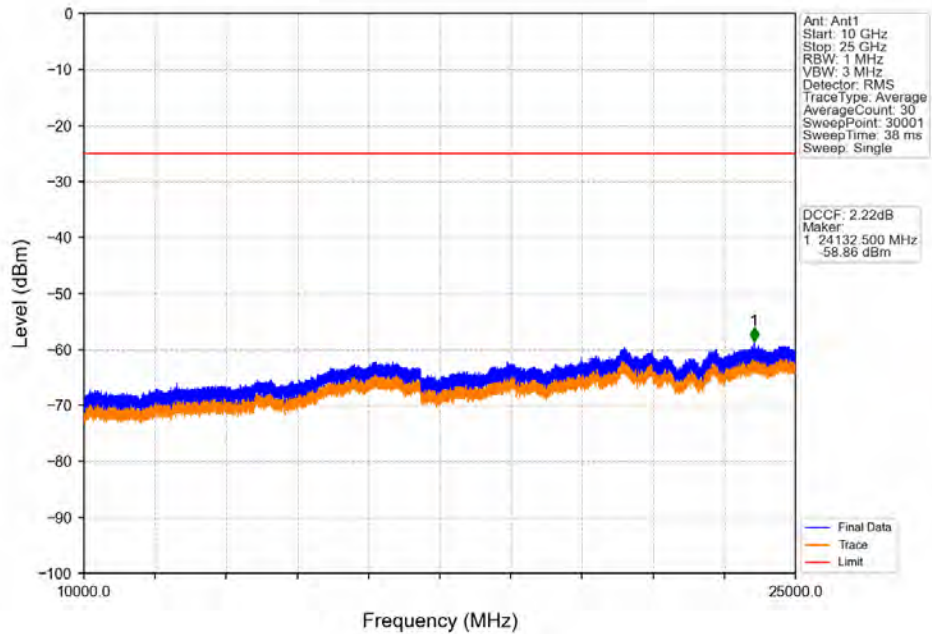




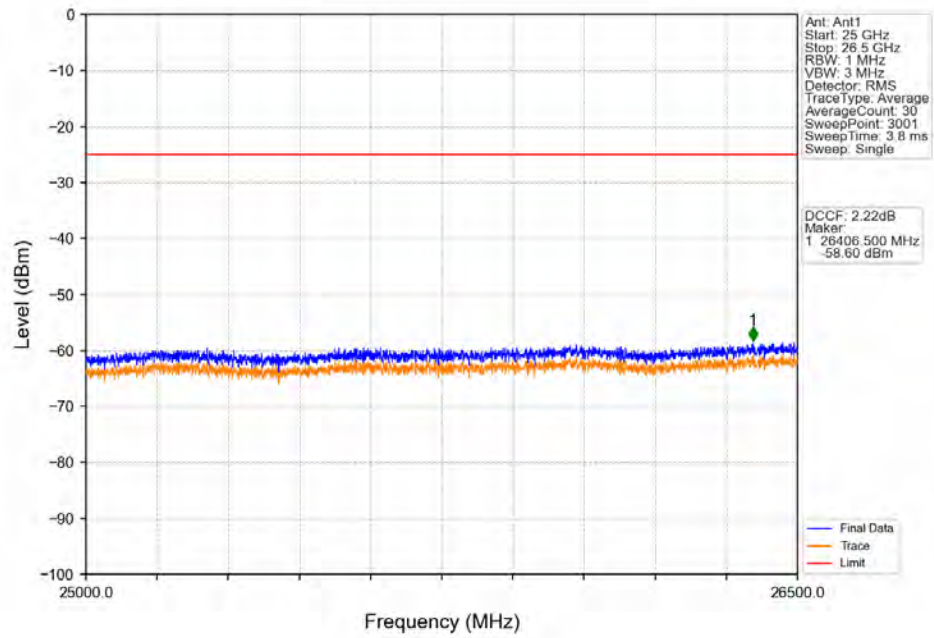
Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTNV



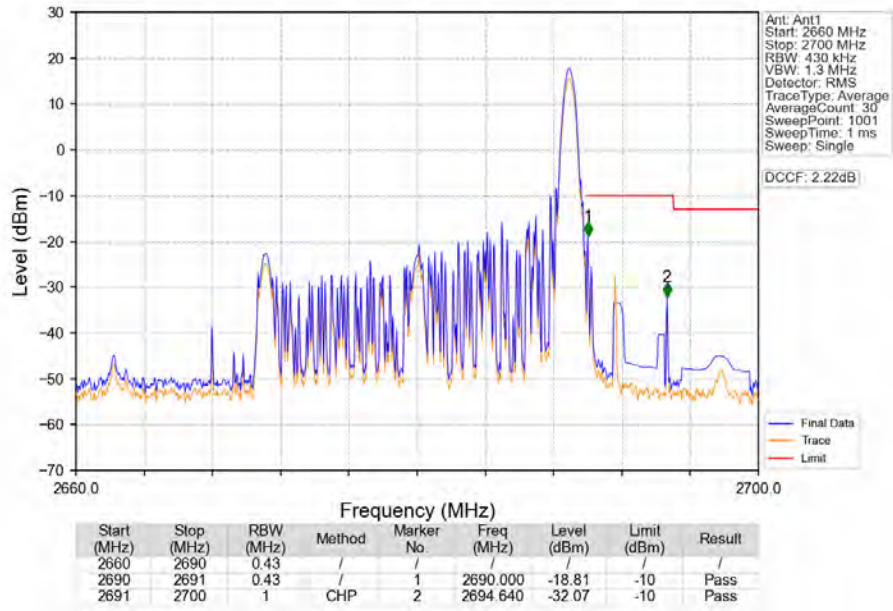
Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTNV



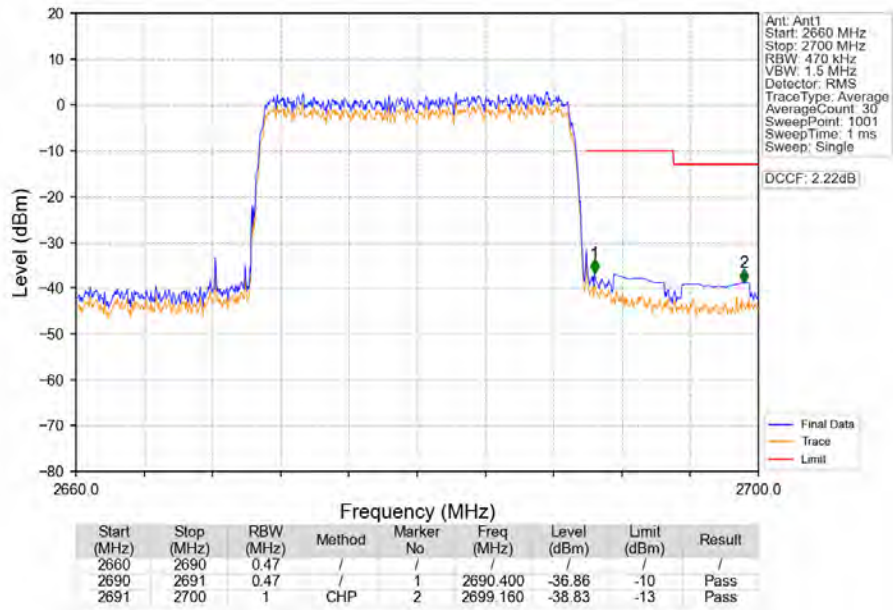
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



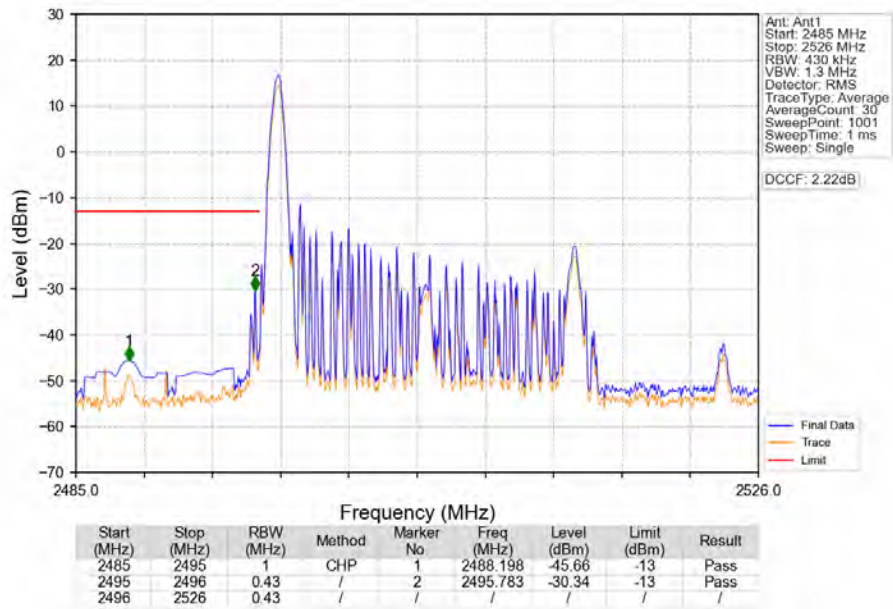
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_99\_NTNV



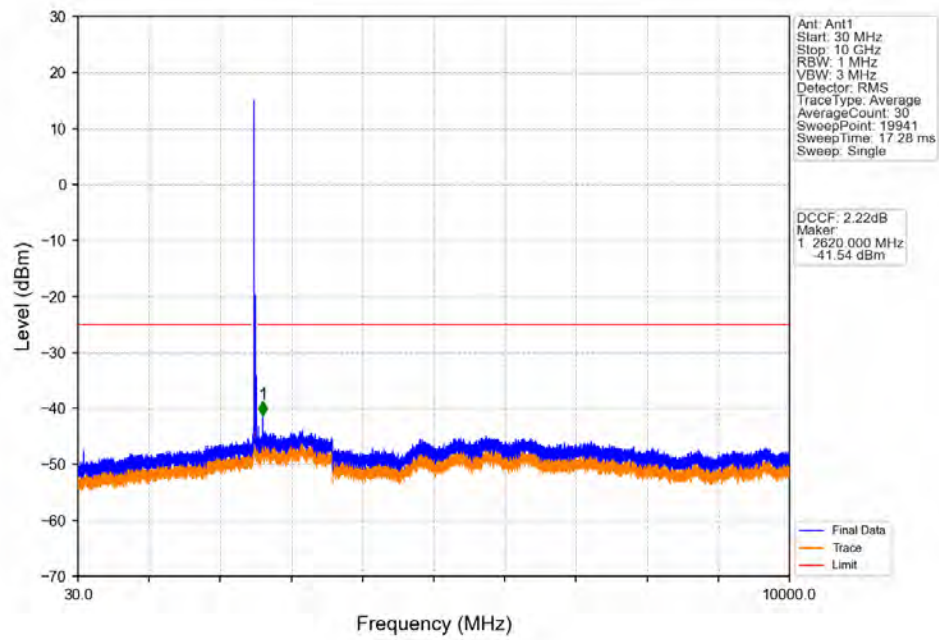
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



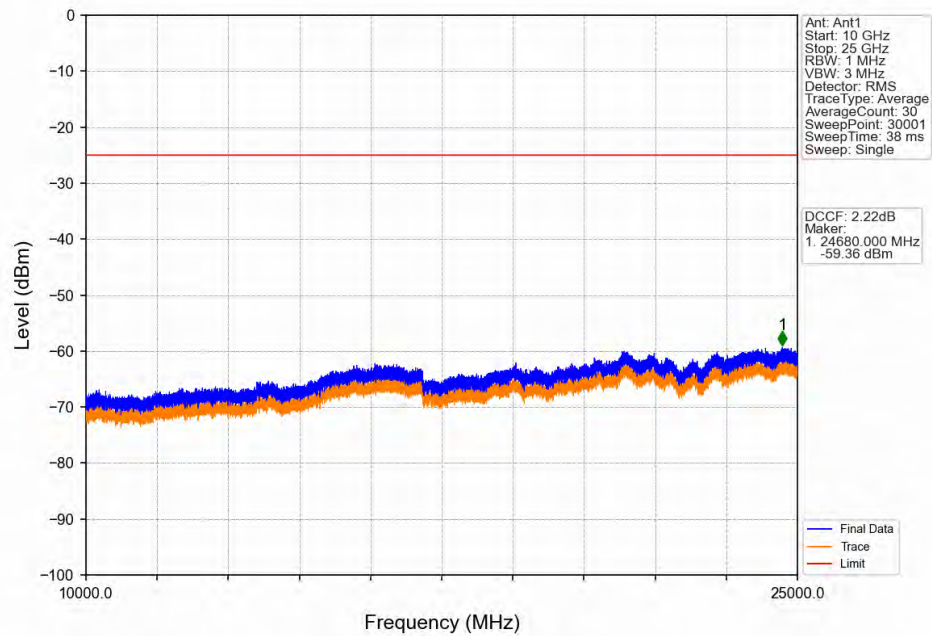
Band41 20MHz 16QAM LCH 2506MHz RB 1 0 NTNV



Band41 20MHz 16QAM LCH 2506MHz RB 1 0 NTNV

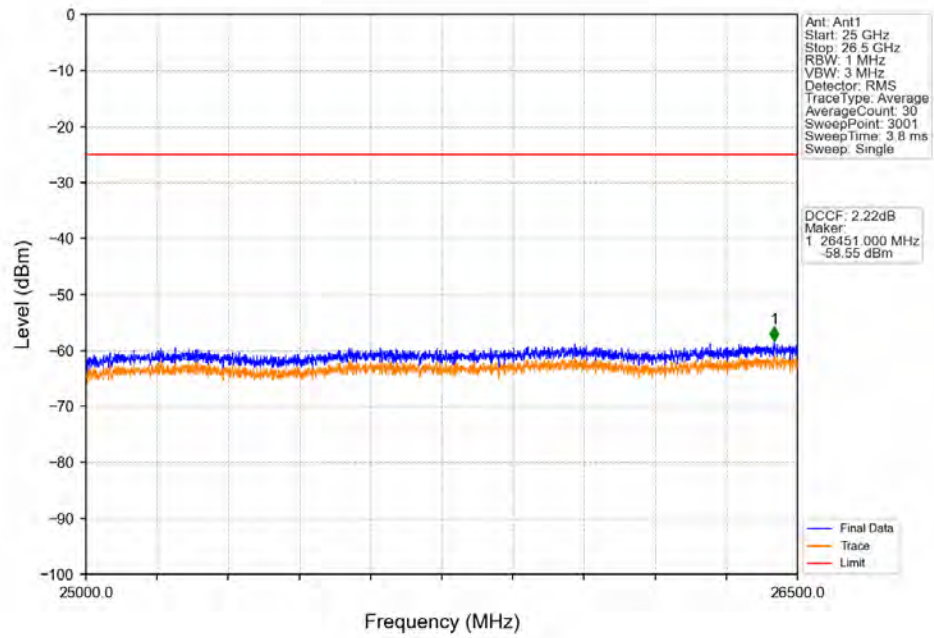


Band41 20MHz 16QAM LCH 2506MHz RB 1 0 NTNV

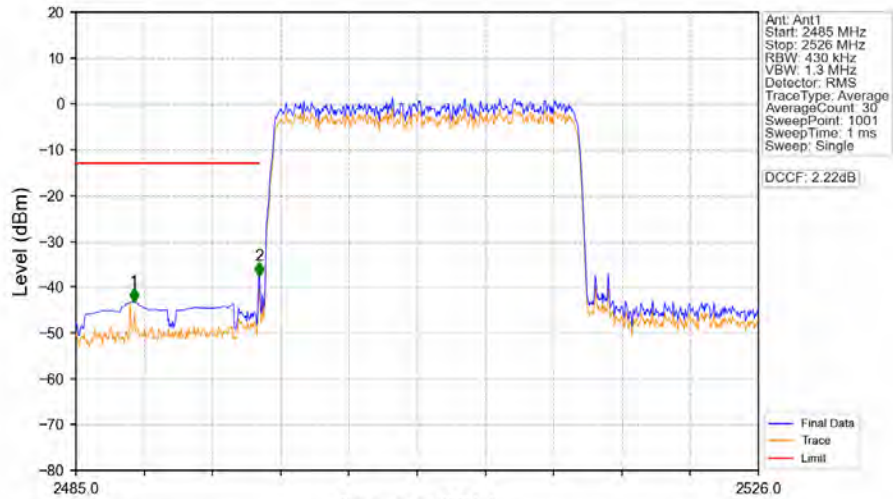




Band41 20MHz 16QAM LCH 2506MHz RB 1 0 NTNV

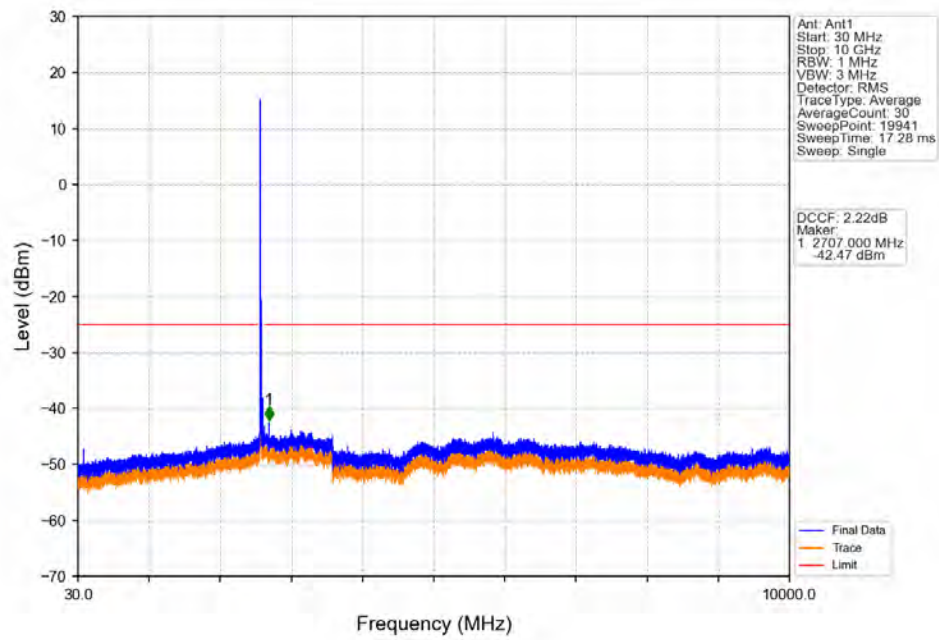


Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV

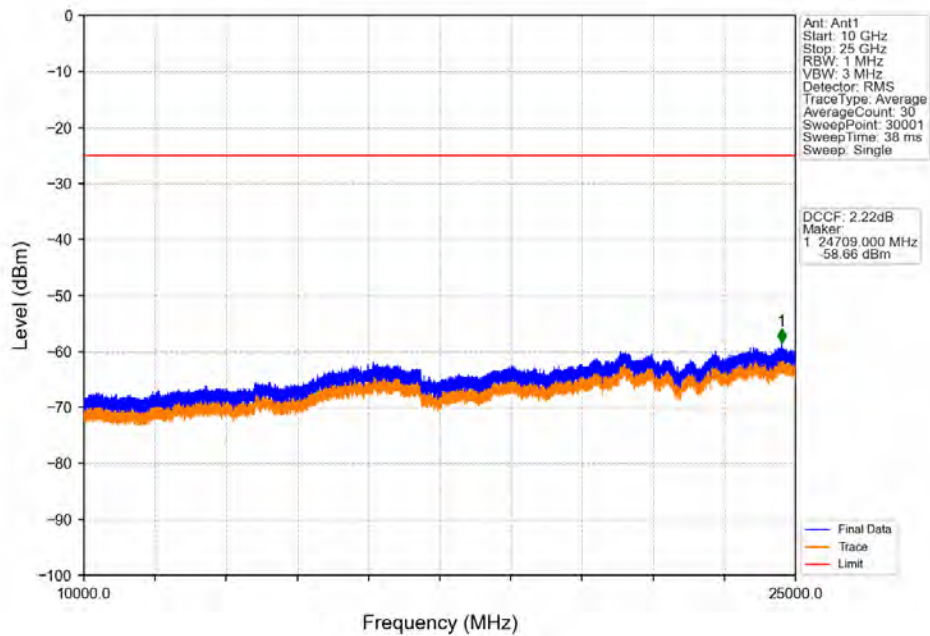


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 2485        | 2495       | 1         | CHP    | 1         | 2488.485   | -43.24      | -13         | Pass   |
| 2495        | 2496       | 0.43      | /      | 2         | 2495.988   | -37.60      | -13         | Pass   |
| 2496        | 2526       | 0.43      | /      | /         | /          | /           | /           | /      |

Band41 20MHz 16QAM MCH 2593MHz RB 1 0 NTNV

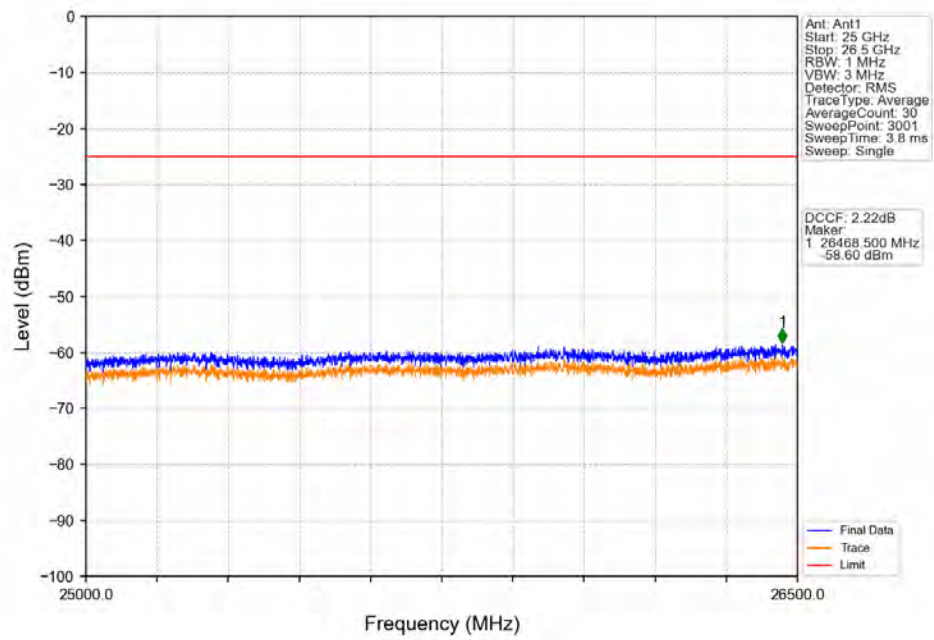


Band41 20MHz 16QAM MCH 2593MHz RB 1 0 NTNV

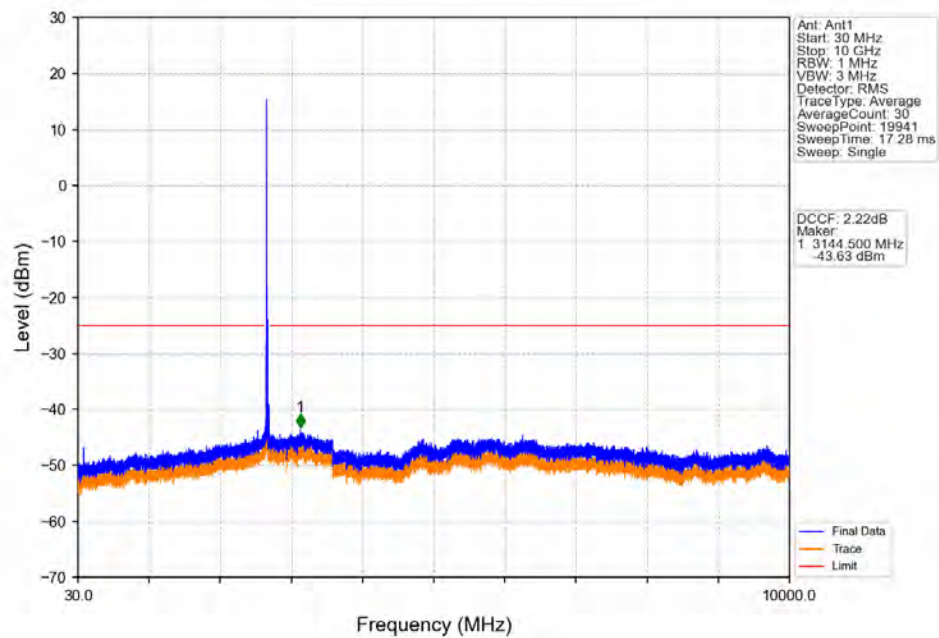




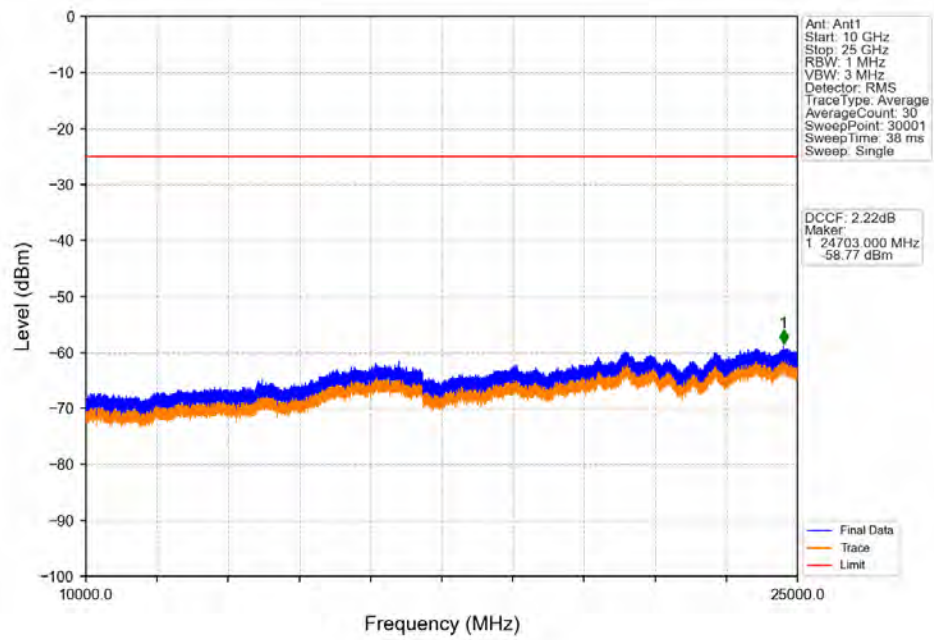
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



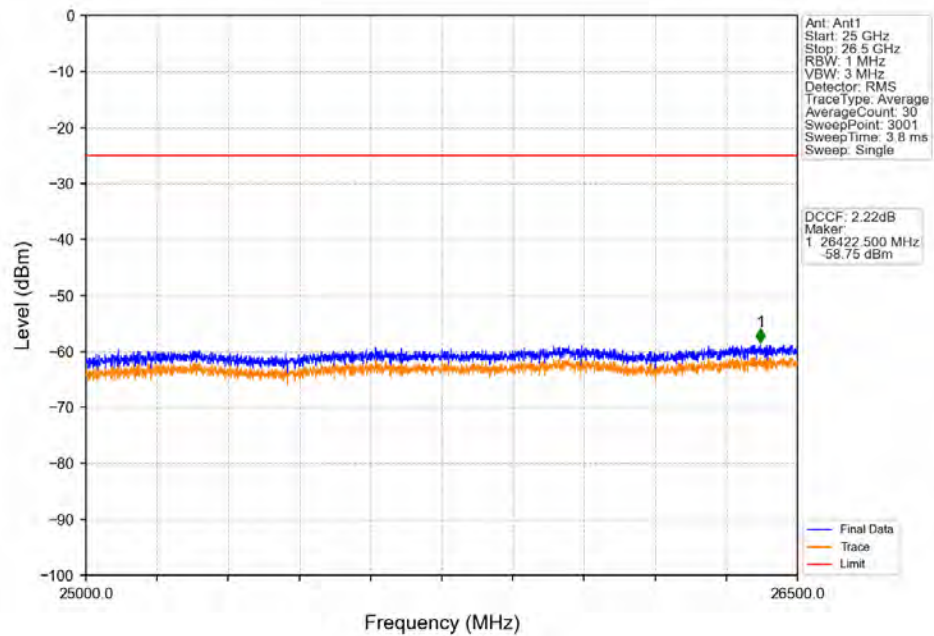
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



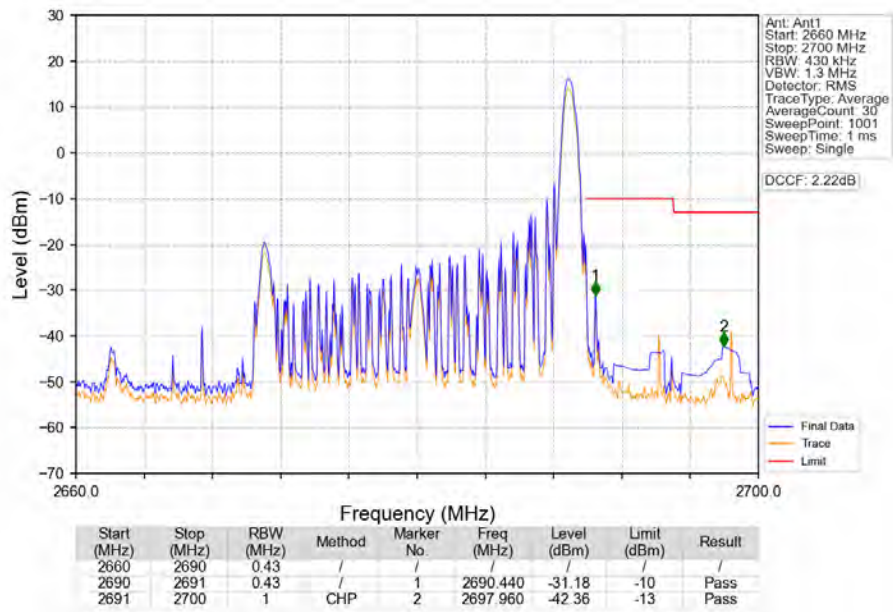
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



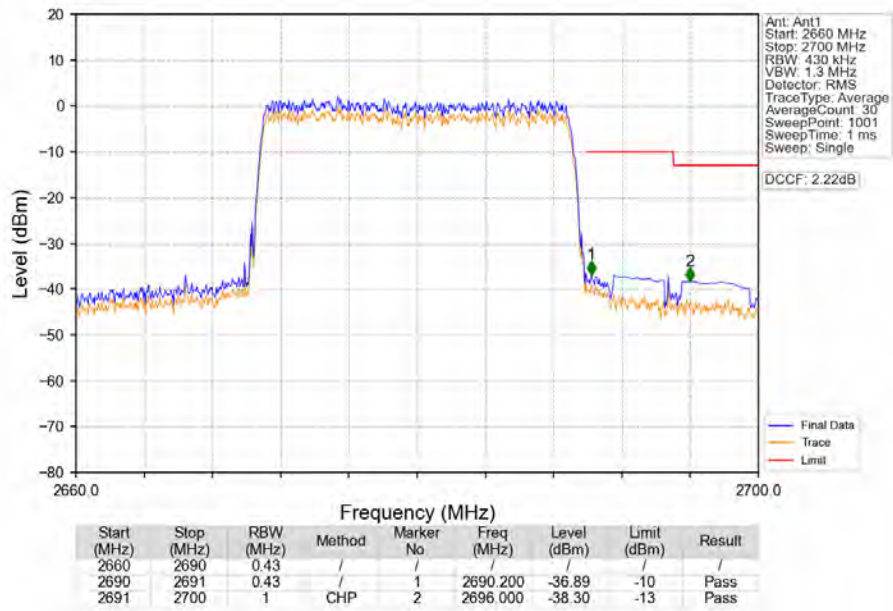
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



Band41 20MHz 16QAM HCH 2680MHz RB 1 99 NTNV



Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTNV



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 41   | 5  | 2498.5     | 2687.5    | 0.0982        | 0.0189 | ppm    | 4M55G7D             | 27M        | 19.92           |
| 41   | 5  | 2498.5     | 2687.5    | 0.0841        | 0.0176 | ppm    | 4M59W7D             | 27M        | 19.25           |
| 41   | 10 | 2501       | 2685      | 0.0764        | 0.0184 | ppm    | 9M09G7D             | 27M        | 18.83           |
| 41   | 10 | 2501       | 2685      | 0.0764        | 0.0192 | ppm    | 9M09W7D             | 27M        | 18.83           |
| 41   | 15 | 2503.5     | 2682.5    | 0.1000        | 0.0163 | ppm    | 13M6G7D             | 27M        | 20.00           |
| 41   | 15 | 2503.5     | 2682.5    | 0.0957        | 0.0196 | ppm    | 13M6W7D             | 27M        | 19.81           |
| 41   | 20 | 2506       | 2680      | 0.0759        | 0.0194 | ppm    | 18M2G7D             | 27M        | 18.80           |
| 41   | 20 | 2506       | 2680      | 0.0753        | 0.0187 | ppm    | 18M2W7D             | 27M        | 18.77           |

## 7.2 Form731\_EIRP

#### 7.2.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 41   | 5  | 2498.5     | 2687.5    | 0.1094        | 0.0189 | ppm    | 4M55G7D             | 27M        | 20.39           |
| 41   | 5  | 2498.5     | 2687.5    | 0.0938        | 0.0176 | ppm    | 4M59W7D             | 27M        | 19.72           |
| 41   | 10 | 2501       | 2685      | 0.0851        | 0.0184 | ppm    | 9M09G7D             | 27M        | 19.30           |
| 41   | 10 | 2501       | 2685      | 0.0851        | 0.0192 | ppm    | 9M09W7D             | 27M        | 19.30           |
| 41   | 15 | 2503.5     | 2682.5    | 0.1114        | 0.0163 | ppm    | 13M6G7D             | 27M        | 20.47           |
| 41   | 15 | 2503.5     | 2682.5    | 0.1067        | 0.0196 | ppm    | 13M6W7D             | 27M        | 20.28           |
| 41   | 20 | 2506       | 2680      | 0.0845        | 0.0194 | ppm    | 18M2G7D             | 27M        | 19.27           |
| 41   | 20 | 2506       | 2680      | 0.0839        | 0.0187 | ppm    | 18M2W7D             | 27M        | 19.24           |