

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

### 1.1 Test Result

#### 1.1.1 B41\_5MHz\_EIRP

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2498.5          | 1             | 0      | 24.15                 | 1.00       | 25.15      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.23                 | 1.00       | 25.23      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.13                 | 1.00       | 25.13      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 23.23                 | 1.00       | 24.23      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 23.23                 | 1.00       | 24.23      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.13                 | 1.00       | 24.13      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 23.22                 | 1.00       | 24.22      | <=33.01 | Pass    |
|                                   | 2593            | 1             | 0      | 23.91                 | 1.00       | 24.91      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.97                 | 1.00       | 24.97      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.90                 | 1.00       | 24.90      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.98                 | 1.00       | 23.98      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 23.01                 | 1.00       | 24.01      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.94                 | 1.00       | 23.94      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.97                 | 1.00       | 23.97      | <=33.01 | Pass    |
|                                   | 2687.5          | 1             | 0      | 23.92                 | 1.00       | 24.92      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.91                 | 1.00       | 24.91      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.88                 | 1.00       | 24.88      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.93                 | 1.00       | 23.93      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.98                 | 1.00       | 23.98      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.91                 | 1.00       | 23.91      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.92                 | 1.00       | 23.92      | <=33.01 | Pass    |
| 16QAM                             | 2498.5          | 1             | 0      | 23.23                 | 1.00       | 24.23      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.20                 | 1.00       | 24.20      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.10                 | 1.00       | 24.10      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.23                 | 1.00       | 23.23      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.28                 | 1.00       | 23.28      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.13                 | 1.00       | 23.13      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.14                 | 1.00       | 23.14      | <=33.01 | Pass    |
|                                   | 2593            | 1             | 0      | 22.97                 | 1.00       | 23.97      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.01                 | 1.00       | 24.01      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.92                 | 1.00       | 23.92      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.93                 | 1.00       | 22.93      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.18                 | 1.00       | 23.18      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.86                 | 1.00       | 22.86      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.93                 | 1.00       | 22.93      | <=33.01 | Pass    |
|                                   | 2687.5          | 1             | 0      | 23.07                 | 1.00       | 24.07      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.95                 | 1.00       | 23.95      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.02                 | 1.00       | 24.02      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.06                 | 1.00       | 23.06      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.94                 | 1.00       | 22.94      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.03                 | 1.00       | 23.03      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.97                 | 1.00       | 22.97      | <=33.01 | Pass    |
| 64QAM                             | 2498.5          | 1             | 0      | 23.08                 | 1.00       | 24.08      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.11                 | 1.00       | 24.11      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.18                 | 1.00       | 24.18      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.36                 | 1.00       | 23.36      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.23                 | 1.00       | 23.23      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.20                 | 1.00       | 23.20      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.17                 | 1.00       | 23.17      | <=33.01 | Pass    |
|                                   | 2593            | 1             | 0      | 22.84                 | 1.00       | 23.84      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.75                 | 1.00       | 23.75      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.89                 | 1.00       | 23.89      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.05                 | 1.00       | 23.05      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.93                 | 1.00       | 22.93      | <=33.01 | Pass    |

|                                          |        |    |    |       |      |       |         |      |
|------------------------------------------|--------|----|----|-------|------|-------|---------|------|
|                                          |        |    | 13 | 22.01 | 1.00 | 23.01 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 21.96 | 1.00 | 22.96 | <=33.01 | Pass |
|                                          | 2687.5 | 1  | 0  | 23.03 | 1.00 | 24.03 | <=33.01 | Pass |
|                                          |        |    | 13 | 22.98 | 1.00 | 23.98 | <=33.01 | Pass |
|                                          |        |    | 24 | 22.80 | 1.00 | 23.80 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 21.94 | 1.00 | 22.94 | <=33.01 | Pass |
|                                          |        |    | 6  | 21.92 | 1.00 | 22.92 | <=33.01 | Pass |
|                                          |        |    | 13 | 21.90 | 1.00 | 22.90 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 21.92 | 1.00 | 22.92 | <=33.01 | Pass |
| 256QAM                                   | 2498.5 | 1  | 0  | 19.38 | 1.00 | 20.38 | <=33.01 | Pass |
|                                          |        |    | 13 | 19.37 | 1.00 | 20.37 | <=33.01 | Pass |
|                                          |        |    | 24 | 19.36 | 1.00 | 20.36 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 19.42 | 1.00 | 20.42 | <=33.01 | Pass |
|                                          |        |    | 6  | 19.31 | 1.00 | 20.31 | <=33.01 | Pass |
|                                          |        |    | 13 | 19.30 | 1.00 | 20.30 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 19.30 | 1.00 | 20.30 | <=33.01 | Pass |
|                                          | 2593   | 1  | 0  | 19.13 | 1.00 | 20.13 | <=33.01 | Pass |
|                                          |        |    | 13 | 18.95 | 1.00 | 19.95 | <=33.01 | Pass |
|                                          |        |    | 24 | 19.06 | 1.00 | 20.06 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 19.09 | 1.00 | 20.09 | <=33.01 | Pass |
|                                          |        |    | 6  | 19.16 | 1.00 | 20.16 | <=33.01 | Pass |
|                                          |        |    | 13 | 19.10 | 1.00 | 20.10 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 19.09 | 1.00 | 20.09 | <=33.01 | Pass |
|                                          | 2687.5 | 1  | 0  | 19.07 | 1.00 | 20.07 | <=33.01 | Pass |
|                                          |        |    | 13 | 19.08 | 1.00 | 20.08 | <=33.01 | Pass |
|                                          |        |    | 24 | 19.03 | 1.00 | 20.03 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 19.07 | 1.00 | 20.07 | <=33.01 | Pass |
|                                          |        |    | 6  | 19.13 | 1.00 | 20.13 | <=33.01 | Pass |
|                                          |        |    | 13 | 19.05 | 1.00 | 20.05 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 19.05 | 1.00 | 20.05 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |        |    |    |       |      |       |         |      |

## 1.1.2 B41\_10MHz\_EIRP

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2501            | 1             | 0      | 24.16                 | 1.00       | 25.16      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 24.11                 | 1.00       | 25.11      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 24.02                 | 1.00       | 25.02      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 23.29                 | 1.00       | 24.29      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 23.14                 | 1.00       | 24.14      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.10                 | 1.00       | 24.10      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 23.17                 | 1.00       | 24.17      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 23.91                 | 1.00       | 24.91      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.96                 | 1.00       | 24.96      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.89                 | 1.00       | 24.89      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.88                 | 1.00       | 23.88      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 23.01                 | 1.00       | 24.01      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.97                 | 1.00       | 23.97      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.96                 | 1.00       | 23.96      | <=33.01 | Pass    |
|                                    | 2685            | 1             | 0      | 23.86                 | 1.00       | 24.86      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.92                 | 1.00       | 24.92      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.84                 | 1.00       | 24.84      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.94                 | 1.00       | 23.94      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.92                 | 1.00       | 23.92      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.95                 | 1.00       | 23.95      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.94                 | 1.00       | 23.94      | <=33.01 | Pass    |
| 16QAM                              | 2501            | 1             | 0      | 23.25                 | 1.00       | 24.25      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.17                 | 1.00       | 24.17      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.16                 | 1.00       | 24.16      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.28                 | 1.00       | 23.28      | <=33.01 | Pass    |

|                                          |      |    |    |       |      |       |         |      |
|------------------------------------------|------|----|----|-------|------|-------|---------|------|
|                                          |      | 50 | 13 | 22.18 | 1.00 | 23.18 | <=33.01 | Pass |
|                                          |      |    | 25 | 22.13 | 1.00 | 23.13 | <=33.01 | Pass |
|                                          |      |    | 0  | 22.16 | 1.00 | 23.16 | <=33.01 | Pass |
|                                          | 2593 | 1  | 0  | 22.87 | 1.00 | 23.87 | <=33.01 | Pass |
|                                          |      |    | 25 | 22.94 | 1.00 | 23.94 | <=33.01 | Pass |
|                                          |      |    | 49 | 22.94 | 1.00 | 23.94 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 21.98 | 1.00 | 22.98 | <=33.01 | Pass |
|                                          |      |    | 13 | 22.04 | 1.00 | 23.04 | <=33.01 | Pass |
|                                          |      |    | 25 | 21.97 | 1.00 | 22.97 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 22.00 | 1.00 | 23.00 | <=33.01 | Pass |
|                                          | 2685 | 1  | 0  | 23.08 | 1.00 | 24.08 | <=33.01 | Pass |
|                                          |      |    | 25 | 23.09 | 1.00 | 24.09 | <=33.01 | Pass |
|                                          |      |    | 49 | 22.86 | 1.00 | 23.86 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 21.94 | 1.00 | 22.94 | <=33.01 | Pass |
|                                          |      |    | 13 | 21.97 | 1.00 | 22.97 | <=33.01 | Pass |
|                                          |      |    | 25 | 21.93 | 1.00 | 22.93 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 21.92 | 1.00 | 22.92 | <=33.01 | Pass |
| 64QAM                                    | 2501 | 1  | 0  | 22.99 | 1.00 | 23.99 | <=33.01 | Pass |
|                                          |      |    | 25 | 23.04 | 1.00 | 24.04 | <=33.01 | Pass |
|                                          |      |    | 49 | 23.10 | 1.00 | 24.10 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 22.23 | 1.00 | 23.23 | <=33.01 | Pass |
|                                          |      |    | 13 | 22.18 | 1.00 | 23.18 | <=33.01 | Pass |
|                                          |      |    | 25 | 22.13 | 1.00 | 23.13 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 22.13 | 1.00 | 23.13 | <=33.01 | Pass |
|                                          | 2593 | 1  | 0  | 22.95 | 1.00 | 23.95 | <=33.01 | Pass |
|                                          |      |    | 25 | 23.06 | 1.00 | 24.06 | <=33.01 | Pass |
|                                          |      |    | 49 | 22.83 | 1.00 | 23.83 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 21.93 | 1.00 | 22.93 | <=33.01 | Pass |
|                                          |      |    | 13 | 21.98 | 1.00 | 22.98 | <=33.01 | Pass |
|                                          |      |    | 25 | 21.96 | 1.00 | 22.96 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 22.00 | 1.00 | 23.00 | <=33.01 | Pass |
|                                          | 2685 | 1  | 0  | 22.98 | 1.00 | 23.98 | <=33.01 | Pass |
|                                          |      |    | 25 | 22.89 | 1.00 | 23.89 | <=33.01 | Pass |
|                                          |      |    | 49 | 22.74 | 1.00 | 23.74 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 21.96 | 1.00 | 22.96 | <=33.01 | Pass |
|                                          |      |    | 13 | 21.94 | 1.00 | 22.94 | <=33.01 | Pass |
|                                          |      |    | 25 | 21.95 | 1.00 | 22.95 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 21.94 | 1.00 | 22.94 | <=33.01 | Pass |
| 256QAM                                   | 2501 | 1  | 0  | 19.40 | 1.00 | 20.40 | <=33.01 | Pass |
|                                          |      |    | 25 | 19.37 | 1.00 | 20.37 | <=33.01 | Pass |
|                                          |      |    | 49 | 19.30 | 1.00 | 20.30 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 19.33 | 1.00 | 20.33 | <=33.01 | Pass |
|                                          |      |    | 13 | 19.29 | 1.00 | 20.29 | <=33.01 | Pass |
|                                          |      |    | 25 | 19.23 | 1.00 | 20.23 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 19.28 | 1.00 | 20.28 | <=33.01 | Pass |
|                                          | 2593 | 1  | 0  | 19.00 | 1.00 | 20.00 | <=33.01 | Pass |
|                                          |      |    | 25 | 18.99 | 1.00 | 19.99 | <=33.01 | Pass |
|                                          |      |    | 49 | 19.09 | 1.00 | 20.09 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 19.06 | 1.00 | 20.06 | <=33.01 | Pass |
|                                          |      |    | 13 | 19.15 | 1.00 | 20.15 | <=33.01 | Pass |
|                                          |      |    | 25 | 19.09 | 1.00 | 20.09 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 19.12 | 1.00 | 20.12 | <=33.01 | Pass |
|                                          | 2685 | 1  | 0  | 18.84 | 1.00 | 19.84 | <=33.01 | Pass |
|                                          |      |    | 25 | 18.99 | 1.00 | 19.99 | <=33.01 | Pass |
|                                          |      |    | 49 | 18.94 | 1.00 | 19.94 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 19.05 | 1.00 | 20.05 | <=33.01 | Pass |
|                                          |      |    | 13 | 19.04 | 1.00 | 20.04 | <=33.01 | Pass |
|                                          |      |    | 25 | 19.08 | 1.00 | 20.08 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 19.04 | 1.00 | 20.04 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |    |    |       |      |       |         |      |

## 1.1.3 B41\_15MHz\_EIRP

| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2503.5          | 1             | 0      | 23.97                 | 1.00       | 24.97      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.94                 | 1.00       | 24.94      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.88                 | 1.00       | 24.88      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 23.03                 | 1.00       | 24.03      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 23.08                 | 1.00       | 24.08      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.96                 | 1.00       | 23.96      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 23.09                 | 1.00       | 24.09      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 23.77                 | 1.00       | 24.77      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.76                 | 1.00       | 24.76      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.77                 | 1.00       | 24.77      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.81                 | 1.00       | 23.81      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.89                 | 1.00       | 23.89      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.83                 | 1.00       | 23.83      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.82                 | 1.00       | 23.82      | <=33.01 | Pass    |
|                                    | 2682.5          | 1             | 0      | 23.76                 | 1.00       | 24.76      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.74                 | 1.00       | 24.74      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.70                 | 1.00       | 24.70      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.78                 | 1.00       | 23.78      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.85                 | 1.00       | 23.85      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.81                 | 1.00       | 23.81      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.84                 | 1.00       | 23.84      | <=33.01 | Pass    |
| 16QAM                              | 2503.5          | 1             | 0      | 23.02                 | 1.00       | 24.02      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.91                 | 1.00       | 23.91      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.87                 | 1.00       | 23.87      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.04                 | 1.00       | 23.04      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.03                 | 1.00       | 23.03      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.89                 | 1.00       | 22.89      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.04                 | 1.00       | 23.04      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 22.73                 | 1.00       | 23.73      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.82                 | 1.00       | 23.82      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.83                 | 1.00       | 23.83      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.74                 | 1.00       | 22.74      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.82                 | 1.00       | 22.82      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.83                 | 1.00       | 22.83      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.83                 | 1.00       | 22.83      | <=33.01 | Pass    |
|                                    | 2682.5          | 1             | 0      | 22.81                 | 1.00       | 23.81      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.74                 | 1.00       | 23.74      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.82                 | 1.00       | 23.82      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.82                 | 1.00       | 22.82      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.82                 | 1.00       | 22.82      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.83                 | 1.00       | 22.83      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.82                 | 1.00       | 22.82      | <=33.01 | Pass    |
| 64QAM                              | 2503.5          | 1             | 0      | 23.07                 | 1.00       | 24.07      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.96                 | 1.00       | 23.96      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.89                 | 1.00       | 23.89      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.09                 | 1.00       | 23.09      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.06                 | 1.00       | 23.06      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.94                 | 1.00       | 22.94      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.04                 | 1.00       | 23.04      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 22.70                 | 1.00       | 23.70      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.71                 | 1.00       | 23.71      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.87                 | 1.00       | 23.87      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.75                 | 1.00       | 22.75      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.85                 | 1.00       | 22.85      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.82                 | 1.00       | 22.82      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.84                 | 1.00       | 22.84      | <=33.01 | Pass    |
|                                    | 2682.5          | 1             | 0      | 22.90                 | 1.00       | 23.90      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.97                 | 1.00       | 23.97      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.75                 | 1.00       | 23.75      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.80                 | 1.00       | 22.80      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.85                 | 1.00       | 22.85      | <=33.01 | Pass    |

|        |        |                                          |    |       |       |       |         |         |      |  |
|--------|--------|------------------------------------------|----|-------|-------|-------|---------|---------|------|--|
|        |        |                                          | 39 | 21.79 | 1.00  | 22.79 | <=33.01 | Pass    |      |  |
|        |        | 75                                       | 0  | 21.81 | 1.00  | 22.81 | <=33.01 | Pass    |      |  |
| 256QAM | 2503.5 | 1                                        | 0  | 19.15 | 1.00  | 20.15 | <=33.01 | Pass    |      |  |
|        |        |                                          | 38 | 19.13 | 1.00  | 20.13 | <=33.01 | Pass    |      |  |
|        |        |                                          | 74 | 19.18 | 1.00  | 20.18 | <=33.01 | Pass    |      |  |
|        |        | 36                                       | 0  | 19.21 | 1.00  | 20.21 | <=33.01 | Pass    |      |  |
|        |        |                                          | 18 | 19.16 | 1.00  | 20.16 | <=33.01 | Pass    |      |  |
|        |        |                                          | 39 | 19.13 | 1.00  | 20.13 | <=33.01 | Pass    |      |  |
|        |        | 75                                       | 0  | 19.16 | 1.00  | 20.16 | <=33.01 | Pass    |      |  |
|        |        | 2593                                     | 1  | 0     | 18.83 | 1.00  | 19.83   | <=33.01 | Pass |  |
|        |        |                                          |    | 38    | 18.89 | 1.00  | 19.89   | <=33.01 | Pass |  |
|        | 74     |                                          |    | 18.87 | 1.00  | 19.87 | <=33.01 | Pass    |      |  |
|        | 36     |                                          | 0  | 18.91 | 1.00  | 19.91 | <=33.01 | Pass    |      |  |
|        |        |                                          | 18 | 18.97 | 1.00  | 19.97 | <=33.01 | Pass    |      |  |
|        |        |                                          | 39 | 18.90 | 1.00  | 19.90 | <=33.01 | Pass    |      |  |
|        | 75     |                                          | 0  | 18.93 | 1.00  | 19.93 | <=33.01 | Pass    |      |  |
|        | 2682.5 |                                          | 1  | 0     | 18.76 | 1.00  | 19.76   | <=33.01 | Pass |  |
|        |        |                                          |    | 38    | 18.81 | 1.00  | 19.81   | <=33.01 | Pass |  |
|        |        | 74                                       |    | 18.94 | 1.00  | 19.94 | <=33.01 | Pass    |      |  |
|        |        | 36                                       | 0  | 18.95 | 1.00  | 19.95 | <=33.01 | Pass    |      |  |
|        |        |                                          | 18 | 18.98 | 1.00  | 19.98 | <=33.01 | Pass    |      |  |
|        |        |                                          | 39 | 18.93 | 1.00  | 19.93 | <=33.01 | Pass    |      |  |
|        |        | 75                                       | 0  | 18.95 | 1.00  | 19.95 | <=33.01 | Pass    |      |  |
|        |        | Note1: EIRP=Conducted Power+Antenna Gain |    |       |       |       |         |         |      |  |

## 1.1.4 B41\_20MHz\_EIRP

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2506            | 1             | 0      | 23.88                 | 1.00       | 24.88      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.87                 | 1.00       | 24.87      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.88                 | 1.00       | 24.88      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 23.08                 | 1.00       | 24.08      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.06                 | 1.00       | 24.06      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.95                 | 1.00       | 23.95      | <=33.01 | Pass    |
|                                    | 2593            | 100           | 0      | 23.04                 | 1.00       | 24.04      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 23.72                 | 1.00       | 24.72      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.70                 | 1.00       | 24.70      | <=33.01 | Pass    |
|                                    |                 | 1             | 99     | 23.80                 | 1.00       | 24.80      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.77                 | 1.00       | 23.77      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.81                 | 1.00       | 23.81      | <=33.01 | Pass    |
|                                    |                 | 50            | 50     | 22.83                 | 1.00       | 23.83      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.82                 | 1.00       | 23.82      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.82                 | 1.00       | 23.82      | <=33.01 | Pass    |
|                                    | 2680            | 1             | 0      | 23.76                 | 1.00       | 24.76      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.79                 | 1.00       | 24.79      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.74                 | 1.00       | 24.74      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.73                 | 1.00       | 23.73      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.79                 | 1.00       | 23.79      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.81                 | 1.00       | 23.81      | <=33.01 | Pass    |
| 16QAM                              | 2506            | 100           | 0      | 22.72                 | 1.00       | 23.72      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.97                 | 1.00       | 23.97      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.88                 | 1.00       | 23.88      | <=33.01 | Pass    |
|                                    |                 | 50            | 99     | 22.93                 | 1.00       | 23.93      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.09                 | 1.00       | 23.09      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.04                 | 1.00       | 23.04      | <=33.01 | Pass    |
|                                    | 2593            | 50            | 50     | 21.93                 | 1.00       | 22.93      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.01                 | 1.00       | 23.01      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 22.77                 | 1.00       | 23.77      | <=33.01 | Pass    |
|                                    |                 | 1             | 50     | 22.85                 | 1.00       | 23.85      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.80                 | 1.00       | 23.80      | <=33.01 | Pass    |
|                                    |                 |               | 0      | 21.79                 | 1.00       | 22.79      | <=33.01 | Pass    |

|                                          |      |     |    |       |      |       |         |      |
|------------------------------------------|------|-----|----|-------|------|-------|---------|------|
|                                          |      | 100 | 25 | 21.84 | 1.00 | 22.84 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.81 | 1.00 | 22.81 | <=33.01 | Pass |
|                                          |      |     | 0  | 21.81 | 1.00 | 22.81 | <=33.01 | Pass |
|                                          | 2680 | 1   | 0  | 22.85 | 1.00 | 23.85 | <=33.01 | Pass |
|                                          |      |     | 50 | 22.82 | 1.00 | 23.82 | <=33.01 | Pass |
|                                          |      |     | 99 | 22.71 | 1.00 | 23.71 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 21.76 | 1.00 | 22.76 | <=33.01 | Pass |
|                                          |      |     | 25 | 21.82 | 1.00 | 22.82 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.84 | 1.00 | 22.84 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 21.76 | 1.00 | 22.76 | <=33.01 | Pass |
| 64QAM                                    | 2506 | 1   | 0  | 22.96 | 1.00 | 23.96 | <=33.01 | Pass |
|                                          |      |     | 50 | 22.90 | 1.00 | 23.90 | <=33.01 | Pass |
|                                          |      |     | 99 | 22.82 | 1.00 | 23.82 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 22.03 | 1.00 | 23.03 | <=33.01 | Pass |
|                                          |      |     | 25 | 22.00 | 1.00 | 23.00 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.98 | 1.00 | 22.98 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 22.02 | 1.00 | 23.02 | <=33.01 | Pass |
|                                          | 2593 | 1   | 0  | 22.79 | 1.00 | 23.79 | <=33.01 | Pass |
|                                          |      |     | 50 | 22.57 | 1.00 | 23.57 | <=33.01 | Pass |
|                                          |      |     | 99 | 22.80 | 1.00 | 23.80 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 21.74 | 1.00 | 22.74 | <=33.01 | Pass |
|                                          |      |     | 25 | 21.83 | 1.00 | 22.83 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.83 | 1.00 | 22.83 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 21.81 | 1.00 | 22.81 | <=33.01 | Pass |
|                                          | 2680 | 1   | 0  | 22.78 | 1.00 | 23.78 | <=33.01 | Pass |
|                                          |      |     | 50 | 22.77 | 1.00 | 23.77 | <=33.01 | Pass |
|                                          |      |     | 99 | 22.76 | 1.00 | 23.76 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 21.80 | 1.00 | 22.80 | <=33.01 | Pass |
|                                          |      |     | 25 | 21.79 | 1.00 | 22.79 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.79 | 1.00 | 22.79 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 21.80 | 1.00 | 22.80 | <=33.01 | Pass |
| 256QAM                                   | 2506 | 1   | 0  | 19.17 | 1.00 | 20.17 | <=33.01 | Pass |
|                                          |      |     | 50 | 19.15 | 1.00 | 20.15 | <=33.01 | Pass |
|                                          |      |     | 99 | 19.16 | 1.00 | 20.16 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 19.17 | 1.00 | 20.17 | <=33.01 | Pass |
|                                          |      |     | 25 | 19.16 | 1.00 | 20.16 | <=33.01 | Pass |
|                                          |      |     | 50 | 19.08 | 1.00 | 20.08 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 19.14 | 1.00 | 20.14 | <=33.01 | Pass |
|                                          | 2593 | 1   | 0  | 18.66 | 1.00 | 19.66 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.80 | 1.00 | 19.80 | <=33.01 | Pass |
|                                          |      |     | 99 | 18.92 | 1.00 | 19.92 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 18.87 | 1.00 | 19.87 | <=33.01 | Pass |
|                                          |      |     | 25 | 18.97 | 1.00 | 19.97 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.96 | 1.00 | 19.96 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 18.95 | 1.00 | 19.95 | <=33.01 | Pass |
|                                          | 2680 | 1   | 0  | 18.82 | 1.00 | 19.82 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.94 | 1.00 | 19.94 | <=33.01 | Pass |
|                                          |      |     | 99 | 19.06 | 1.00 | 20.06 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 18.90 | 1.00 | 19.90 | <=33.01 | Pass |
|                                          |      |     | 25 | 18.91 | 1.00 | 19.91 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.94 | 1.00 | 19.94 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 18.93 | 1.00 | 19.93 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |     |    |       |      |       |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B41\_10MHz

| Modulation | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
|            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK       | 2593            | 50            | 0      | 20         | 3.27          | -5.100           | -0.0020               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 3.85          | -2.700           | -0.0010               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 4.43          | -2.900           | -0.0011               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -30        | 3.85          | -4.100           | -0.0016               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -20        | 3.85          | -3.900           | -0.0015               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -10        | 3.85          | -1.400           | -0.0005               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 0          | 3.85          | -5.700           | -0.0022               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 10         | 3.85          | -5.500           | -0.0021               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 30         | 3.85          | -2.100           | -0.0008               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 40         | 3.85          | -2.900           | -0.0011               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 50         | 3.85          | -4.100           | -0.0016               | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band41\_OBW

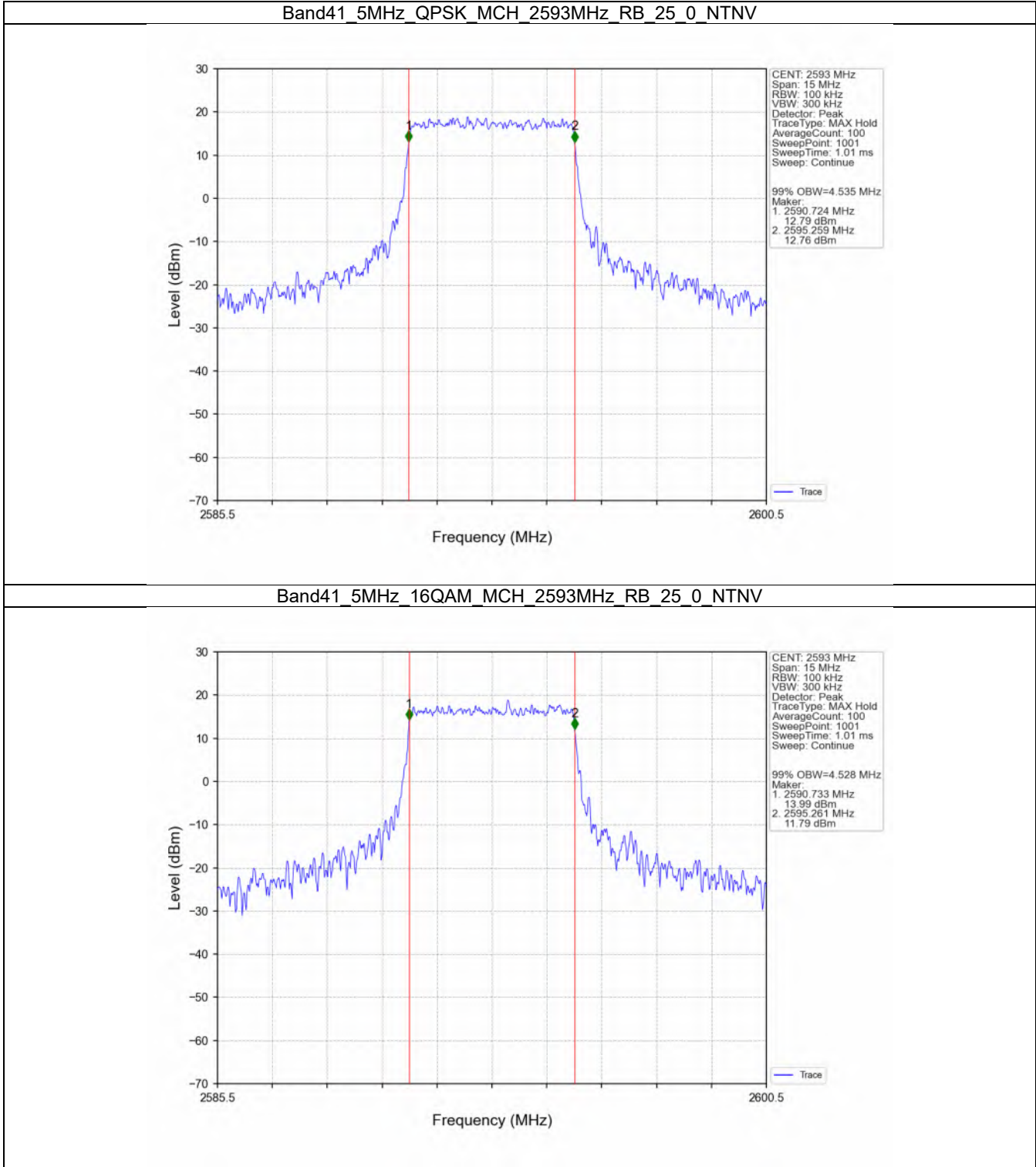
| Band: 41 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2593            | 25            | 0      | 4.535                        | /     | Pass    |
|                 | 16QAM      | 2593            | 25            | 0      | 4.528                        | /     | Pass    |
|                 | 64QAM      | 2593            | 25            | 0      | 4.526                        | /     | Pass    |
|                 | 256QAM     | 2593            | 25            | 0      | 4.524                        | /     | Pass    |
| 10              | QPSK       | 2593            | 50            | 0      | 9.030                        | /     | Pass    |
|                 | 16QAM      | 2593            | 50            | 0      | 9.061                        | /     | Pass    |
|                 | 64QAM      | 2593            | 50            | 0      | 9.053                        | /     | Pass    |
|                 | 256QAM     | 2593            | 50            | 0      | 9.027                        | /     | Pass    |
| 15              | QPSK       | 2593            | 75            | 0      | 13.492                       | /     | Pass    |
|                 | 16QAM      | 2593            | 75            | 0      | 13.554                       | /     | Pass    |
|                 | 64QAM      | 2593            | 75            | 0      | 13.479                       | /     | Pass    |
|                 | 256QAM     | 2593            | 75            | 0      | 13.481                       | /     | Pass    |
| 20              | QPSK       | 2593            | 100           | 0      | 18.083                       | /     | Pass    |
|                 | 16QAM      | 2593            | 100           | 0      | 18.101                       | /     | Pass    |
|                 | 64QAM      | 2593            | 100           | 0      | 17.996                       | /     | Pass    |
|                 | 256QAM     | 2593            | 100           | 0      | 18.036                       | /     | Pass    |

##### 3.1.2 Band41\_XDB

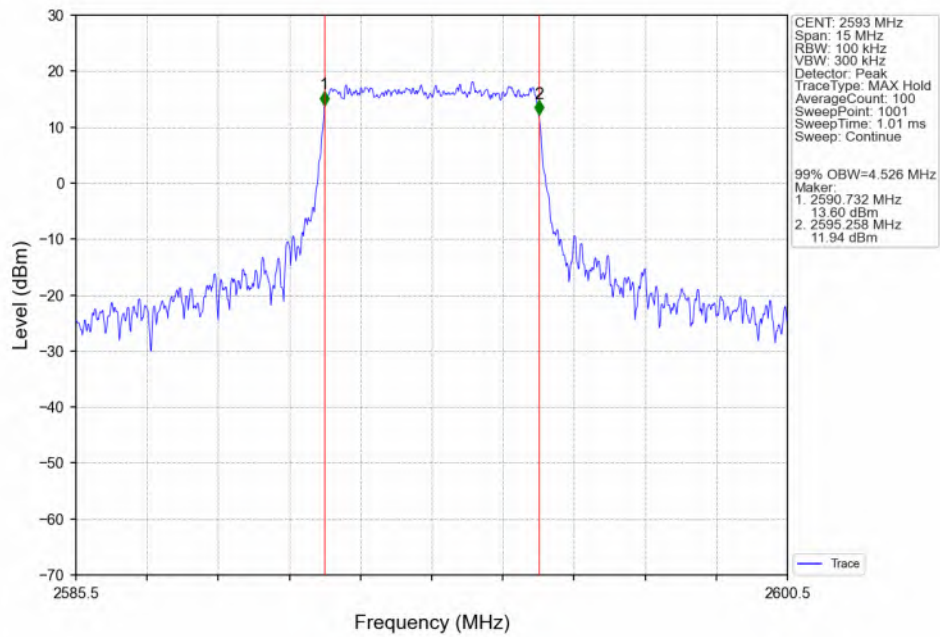
| Band: 41 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2593            | 25            | 0      | 5.602                | /     | Pass    |
|                 | 16QAM      | 2593            | 25            | 0      | 5.343                | /     | Pass    |
|                 | 64QAM      | 2593            | 25            | 0      | 5.234                | /     | Pass    |
|                 | 256QAM     | 2593            | 25            | 0      | 5.337                | /     | Pass    |
| 10              | QPSK       | 2593            | 50            | 0      | 10.090               | /     | Pass    |
|                 | 16QAM      | 2593            | 50            | 0      | 10.068               | /     | Pass    |
|                 | 64QAM      | 2593            | 50            | 0      | 10.032               | /     | Pass    |
|                 | 256QAM     | 2593            | 50            | 0      | 9.897                | /     | Pass    |
| 15              | QPSK       | 2593            | 75            | 0      | 15.288               | /     | Pass    |
|                 | 16QAM      | 2593            | 75            | 0      | 14.864               | /     | Pass    |
|                 | 64QAM      | 2593            | 75            | 0      | 14.801               | /     | Pass    |
|                 | 256QAM     | 2593            | 75            | 0      | 14.771               | /     | Pass    |
| 20              | QPSK       | 2593            | 100           | 0      | 20.206               | /     | Pass    |
|                 | 16QAM      | 2593            | 100           | 0      | 19.936               | /     | Pass    |
|                 | 64QAM      | 2593            | 100           | 0      | 19.563               | /     | Pass    |
|                 | 256QAM     | 2593            | 100           | 0      | 19.567               | /     | Pass    |

3.2 Test Graph

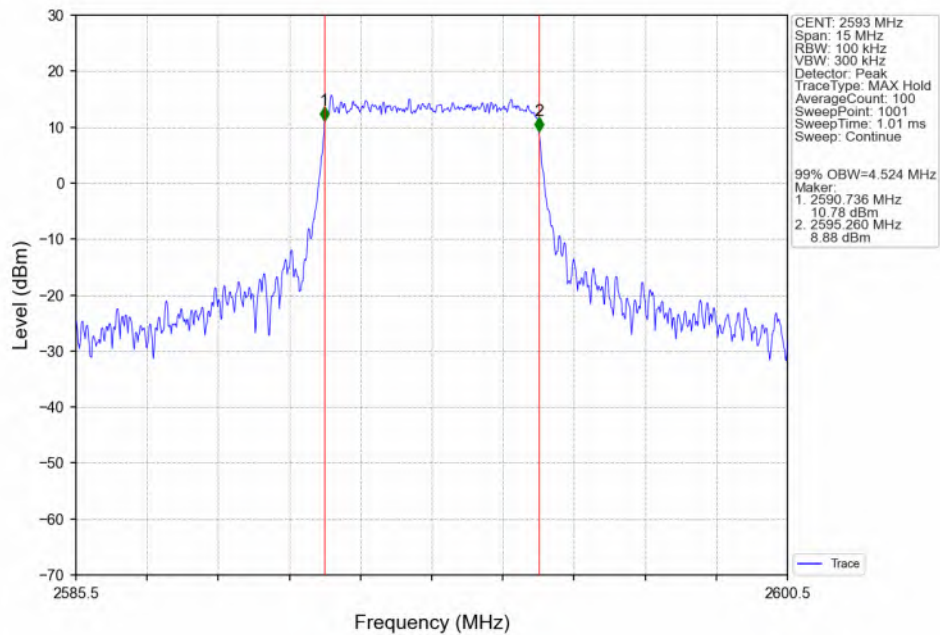
3.2.1 Band41\_OBW



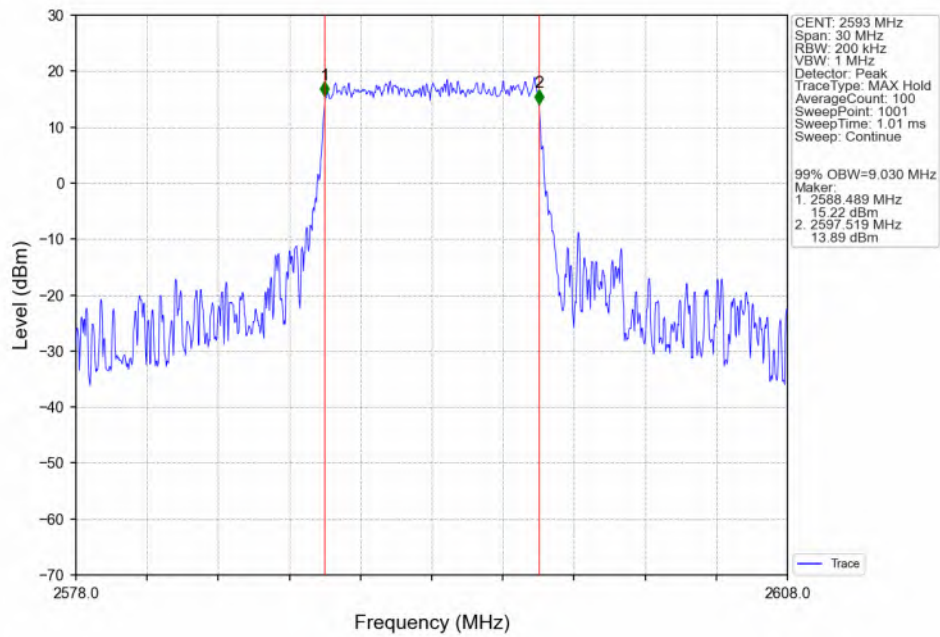
Band41\_5MHz\_64QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



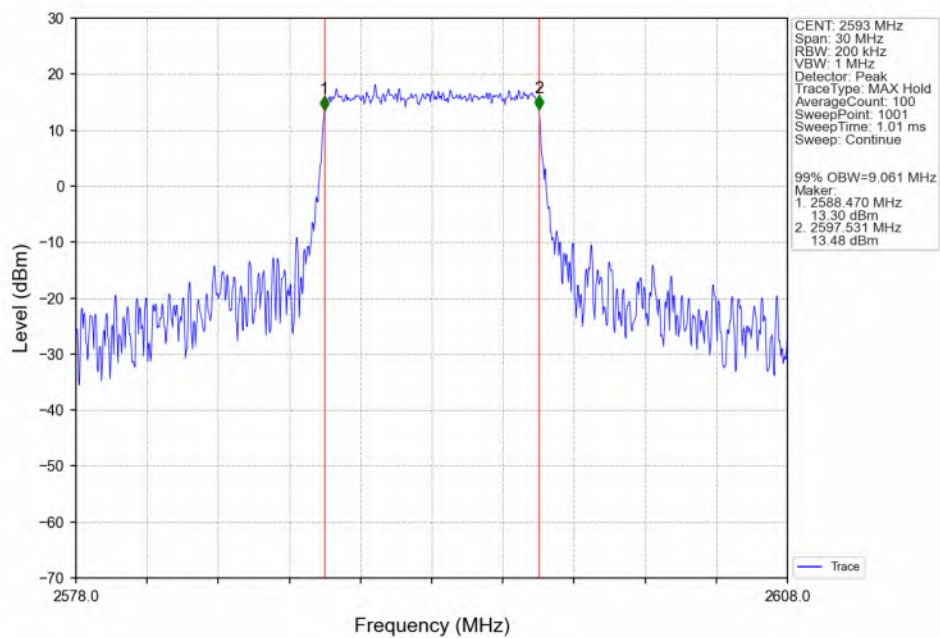
Band41\_5MHz\_256QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



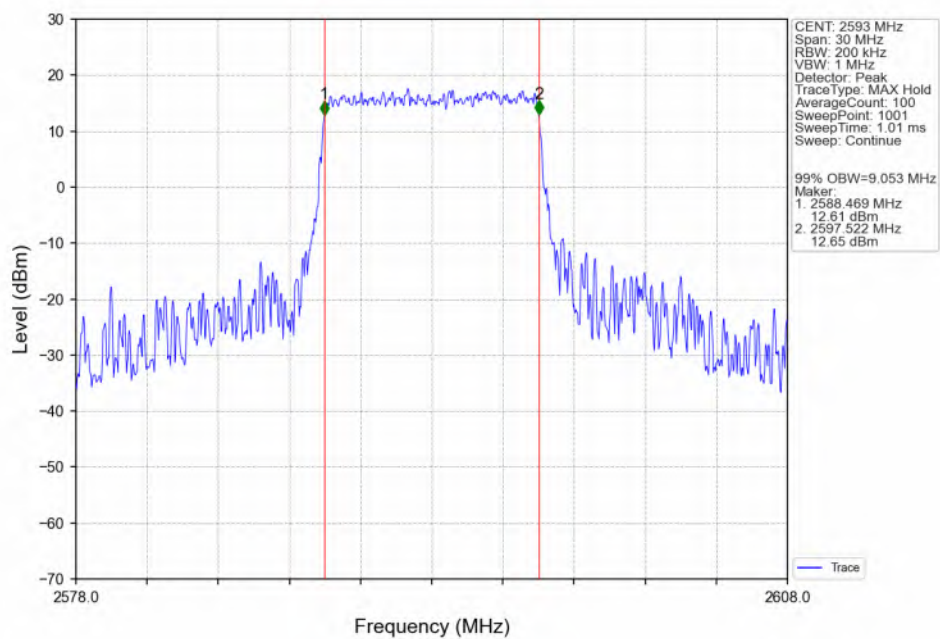
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



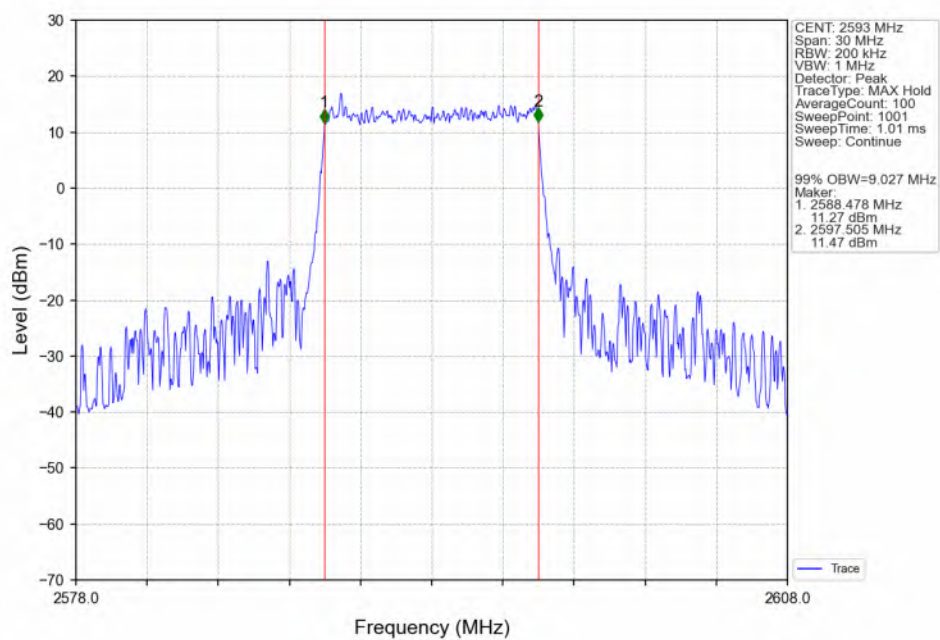
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



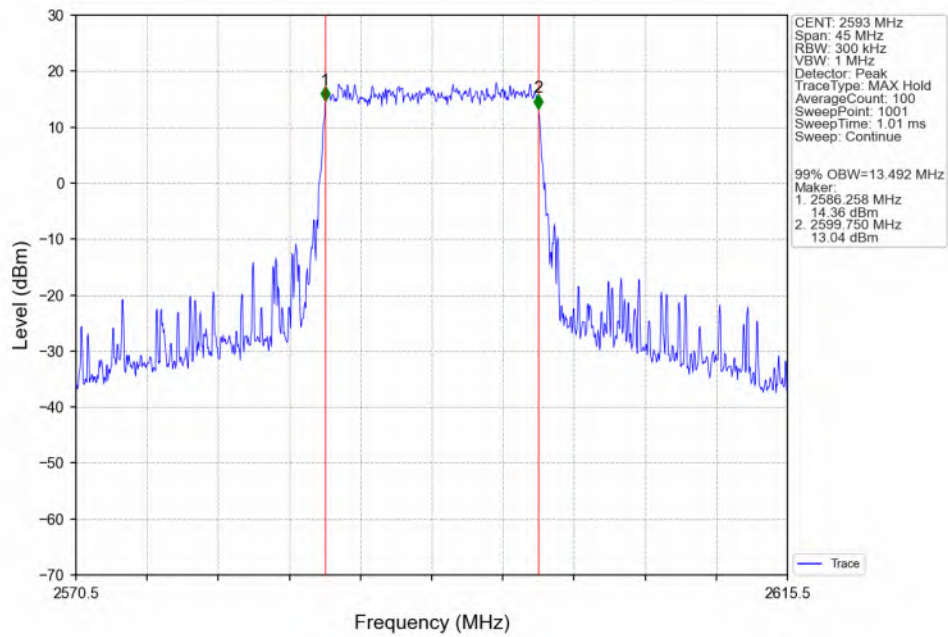
Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



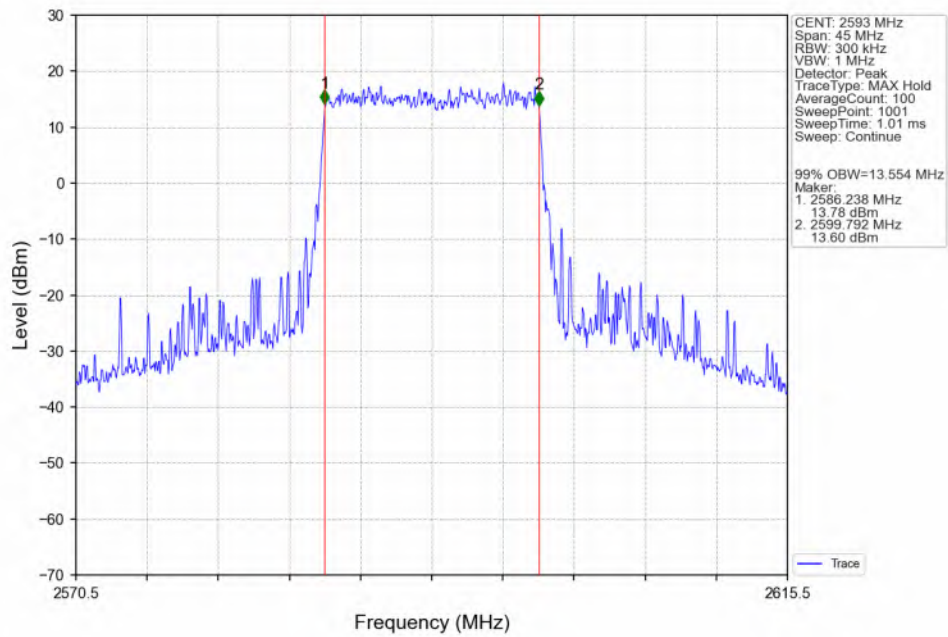
Band41\_10MHz\_256QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



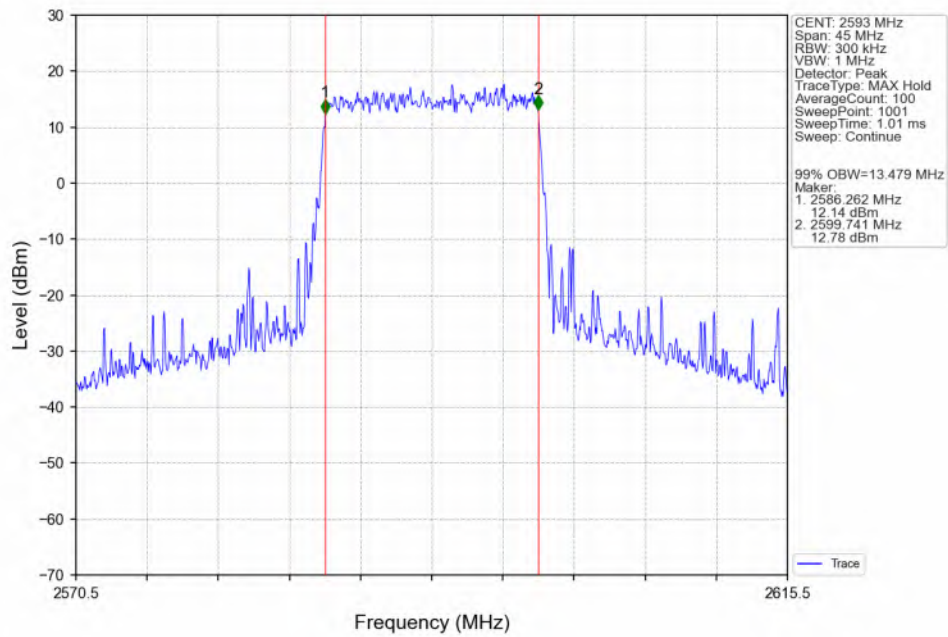
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



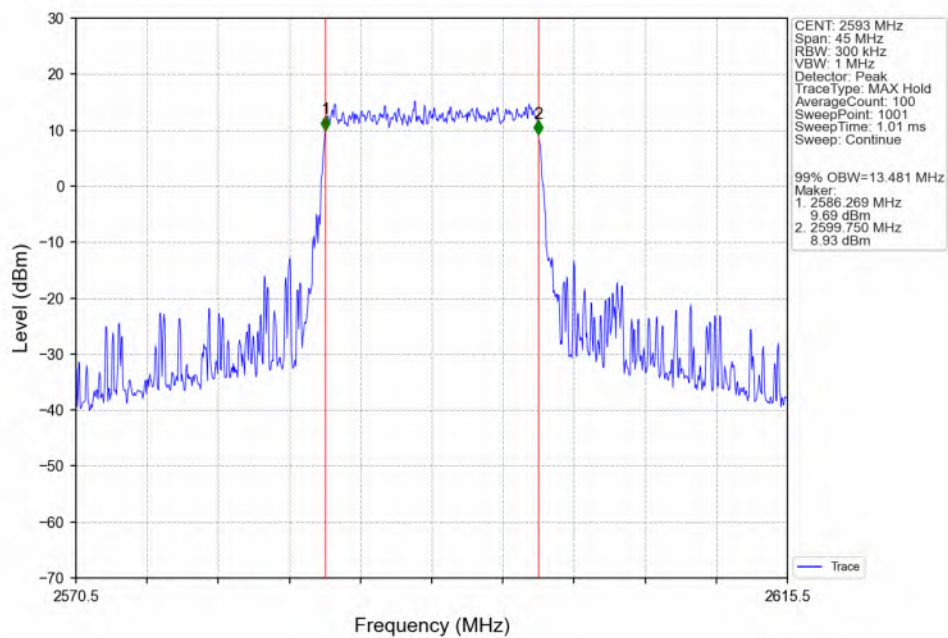
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



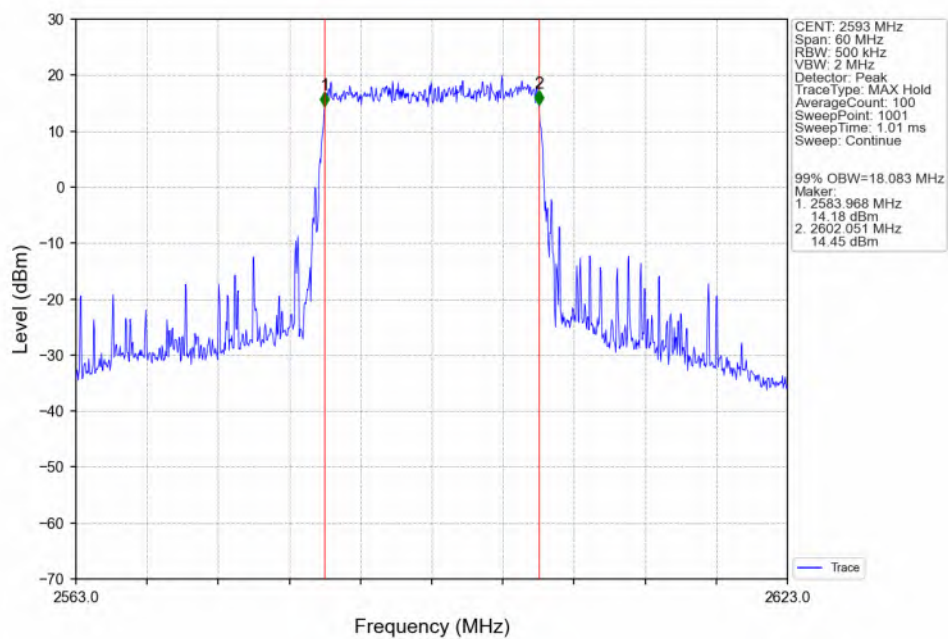
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



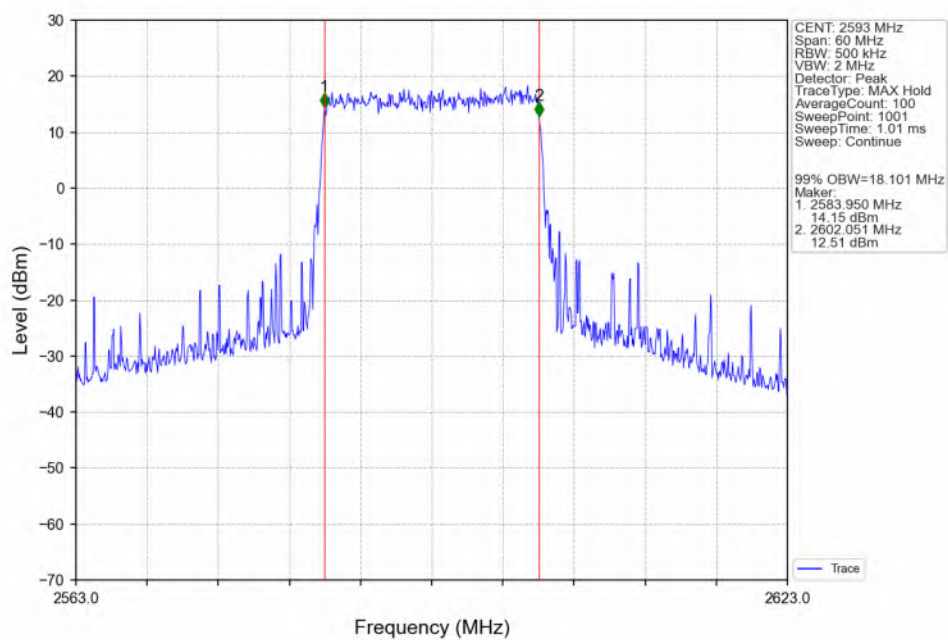
Band41\_15MHz\_256QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



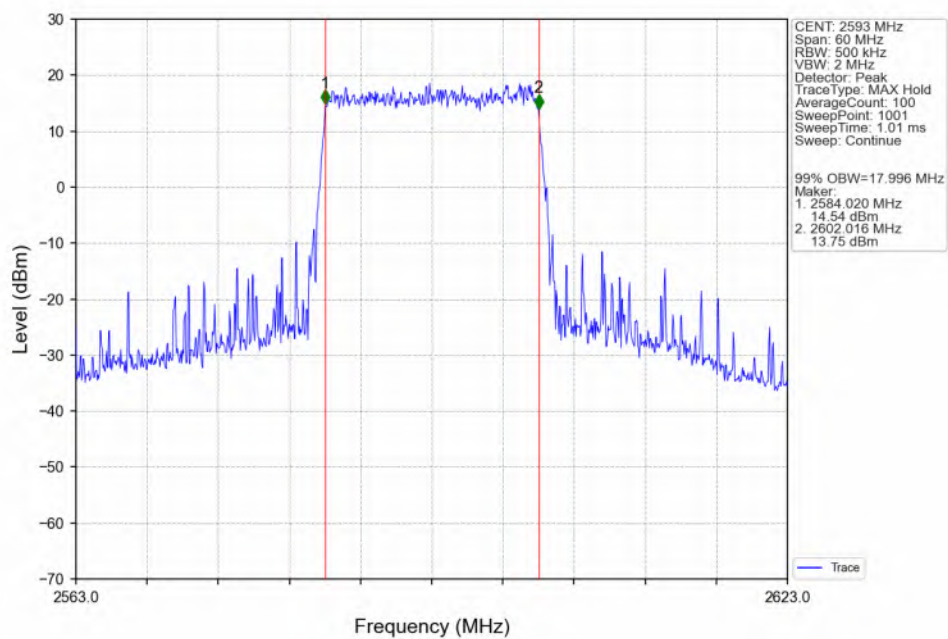
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



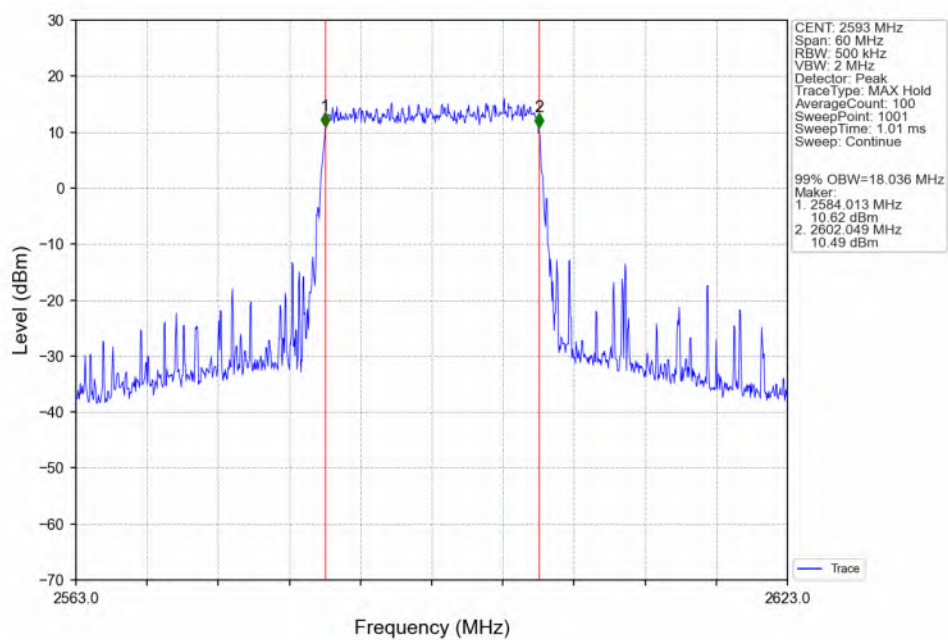
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV

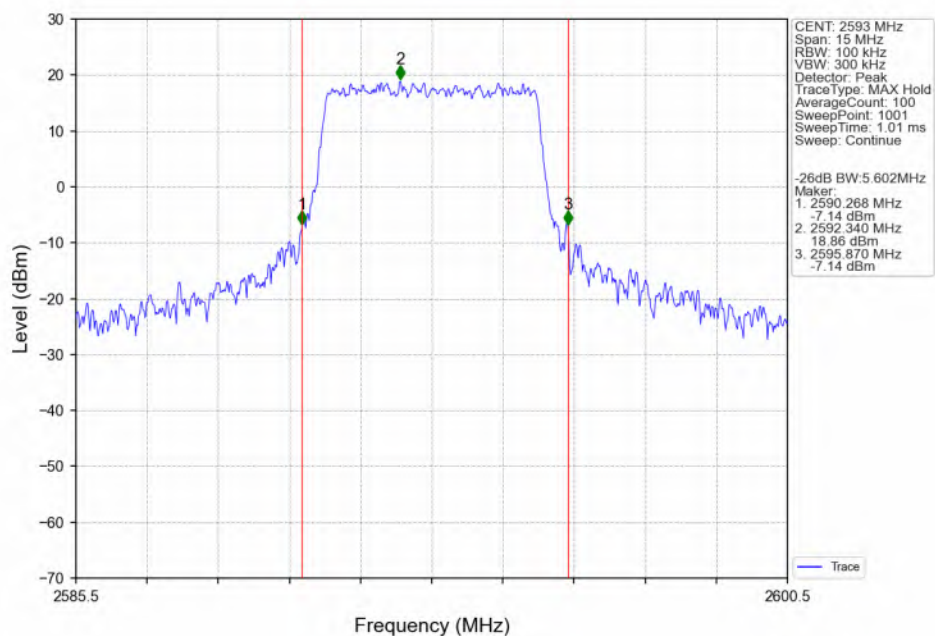


Band41\_20MHz\_256QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV

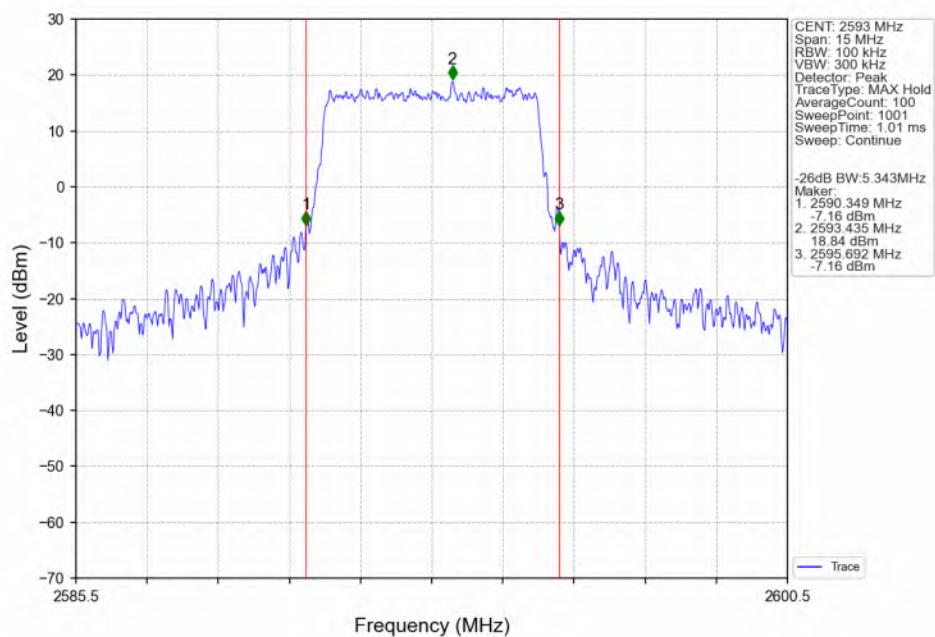


## 3.2.2 Band41\_XDB

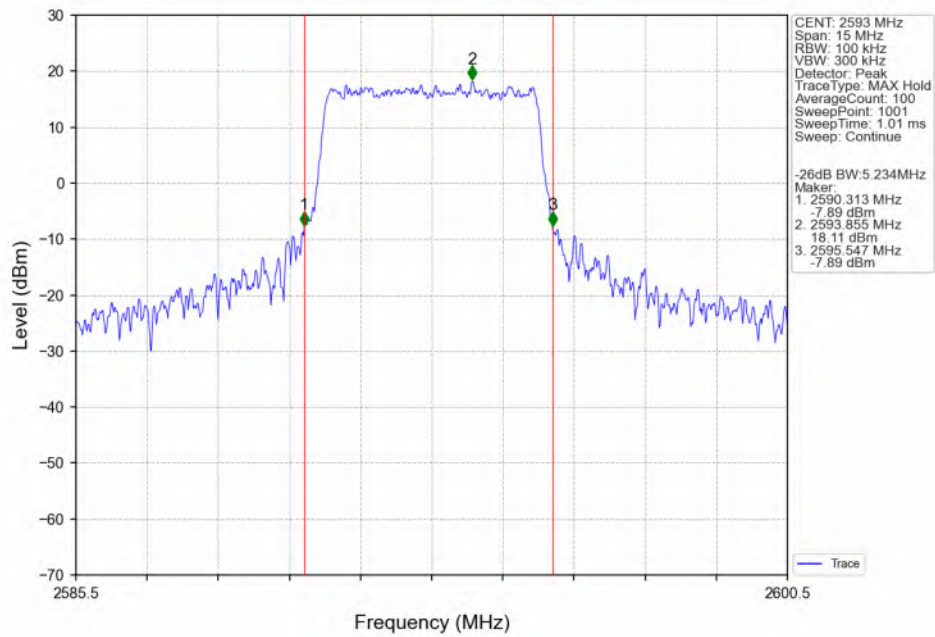
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_25\_0\_NTNV



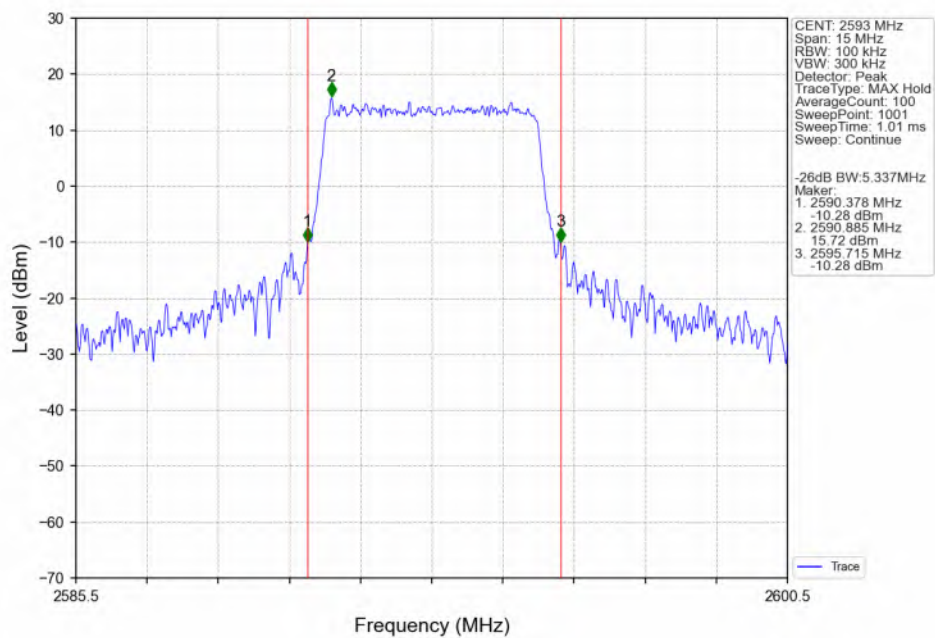
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



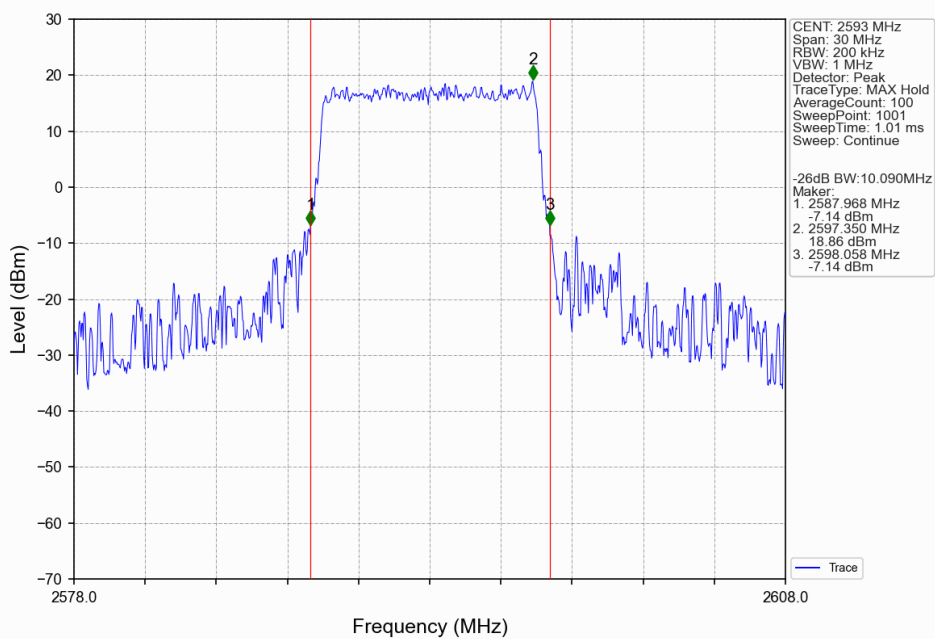
Band41\_5MHz\_64QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



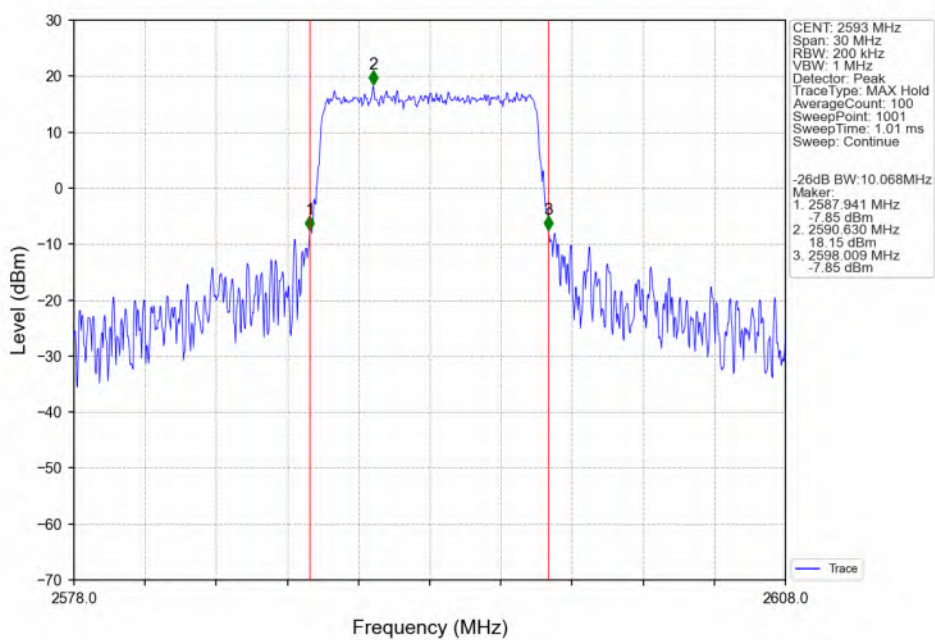
Band41\_5MHz\_256QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



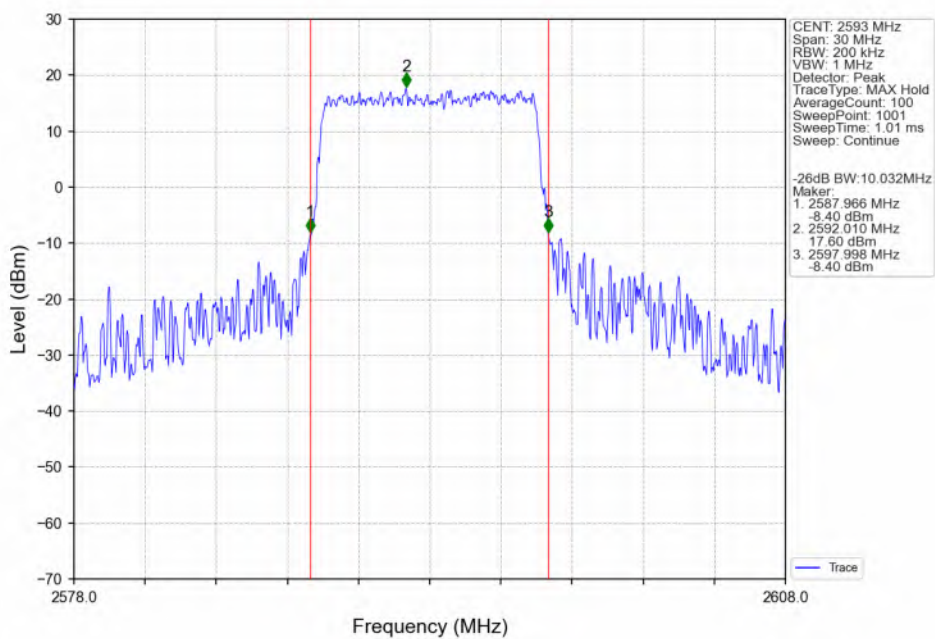
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



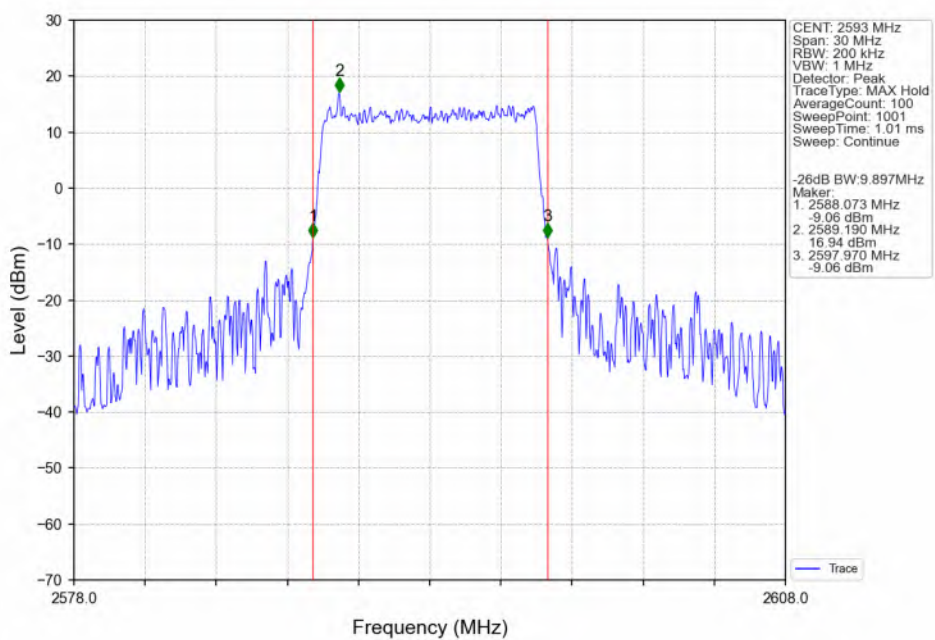
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



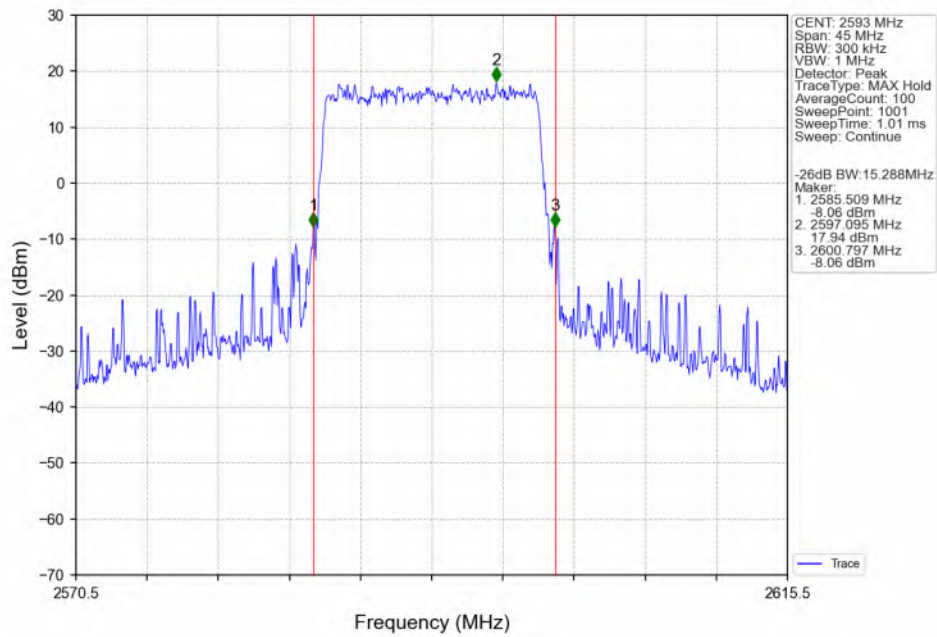
Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



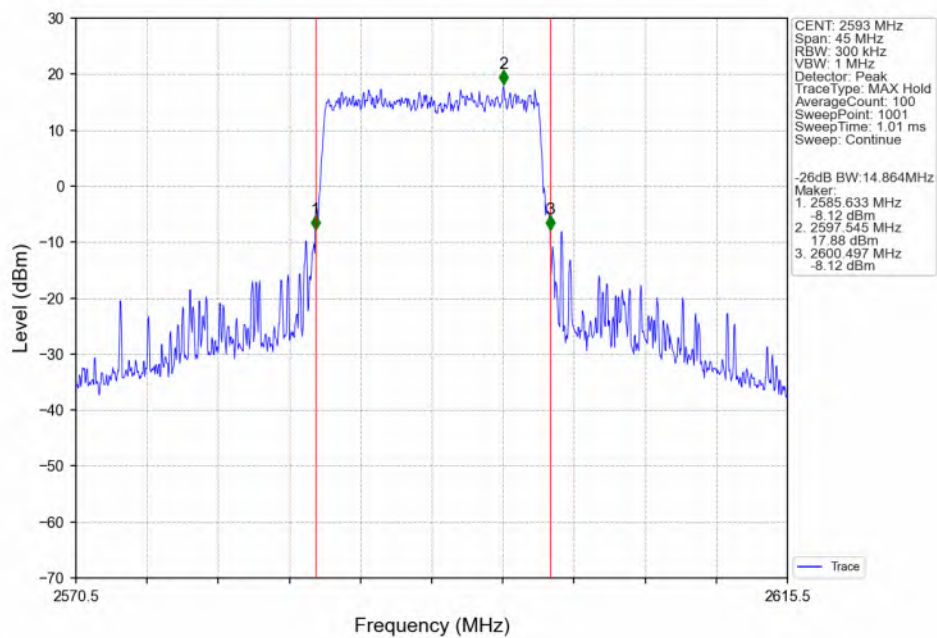
Band41\_10MHz\_256QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



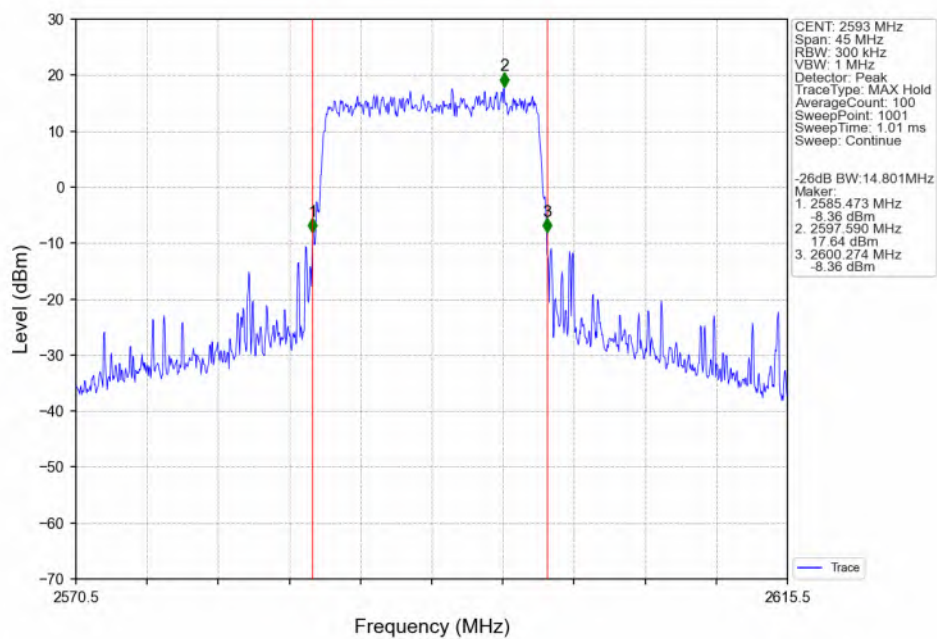
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



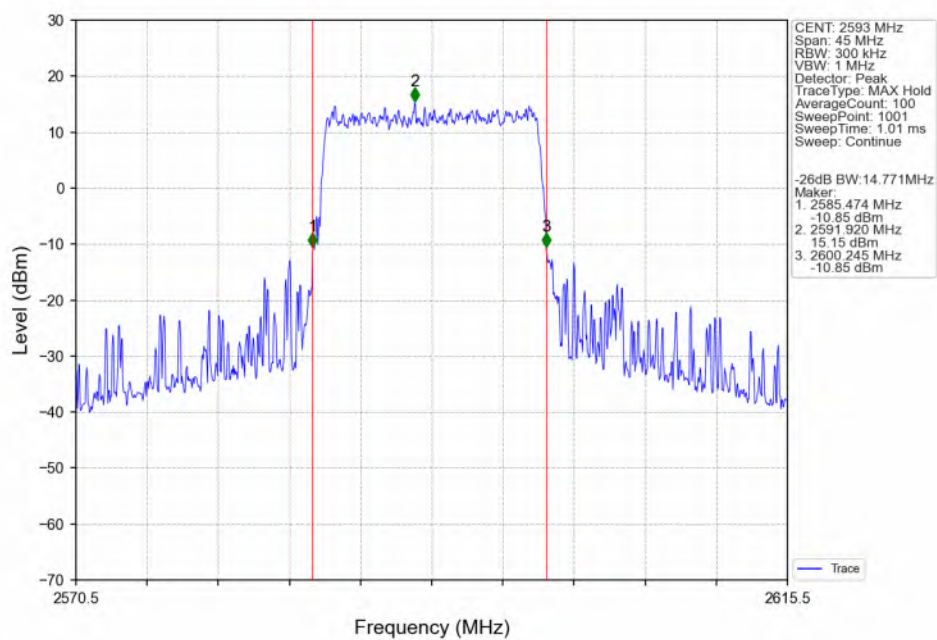
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



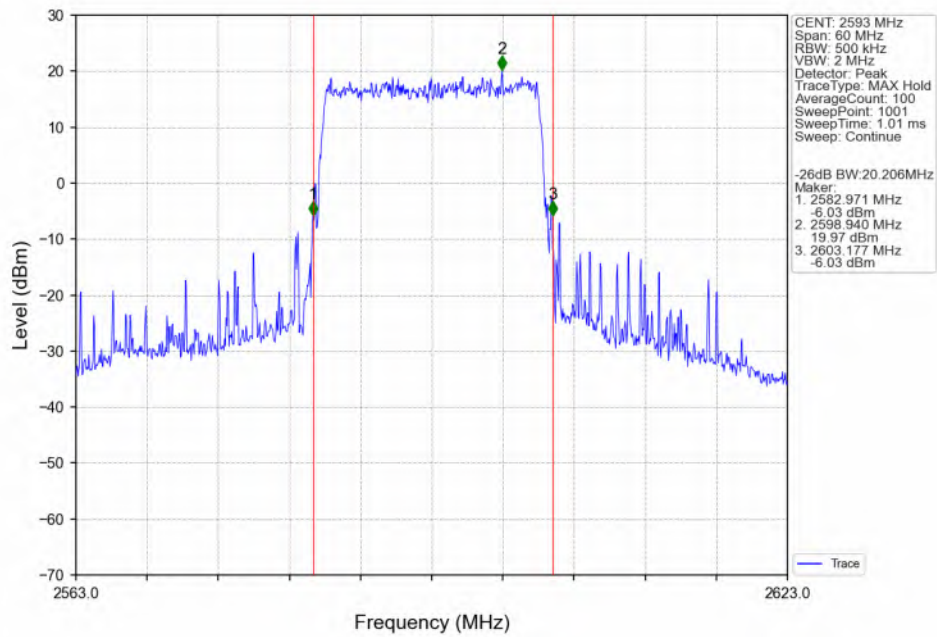
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



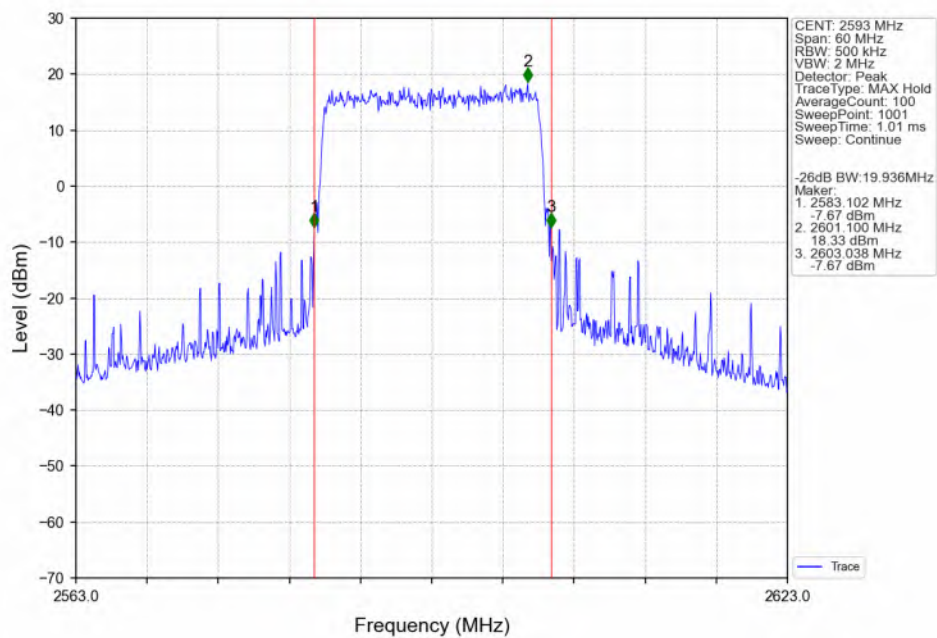
Band41\_15MHz\_256QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



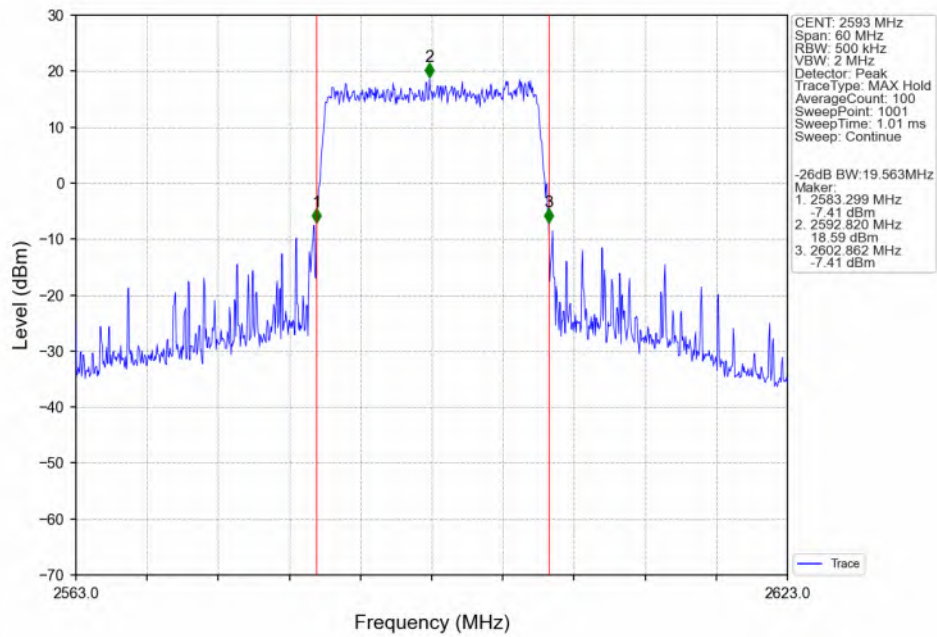
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



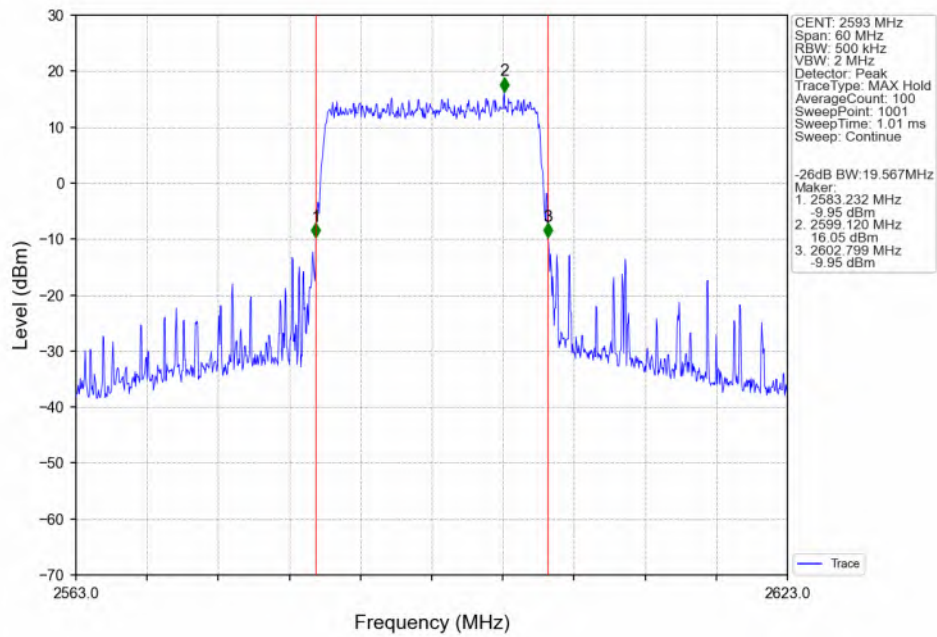
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_256QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



## 4. Peak-Average Ratio

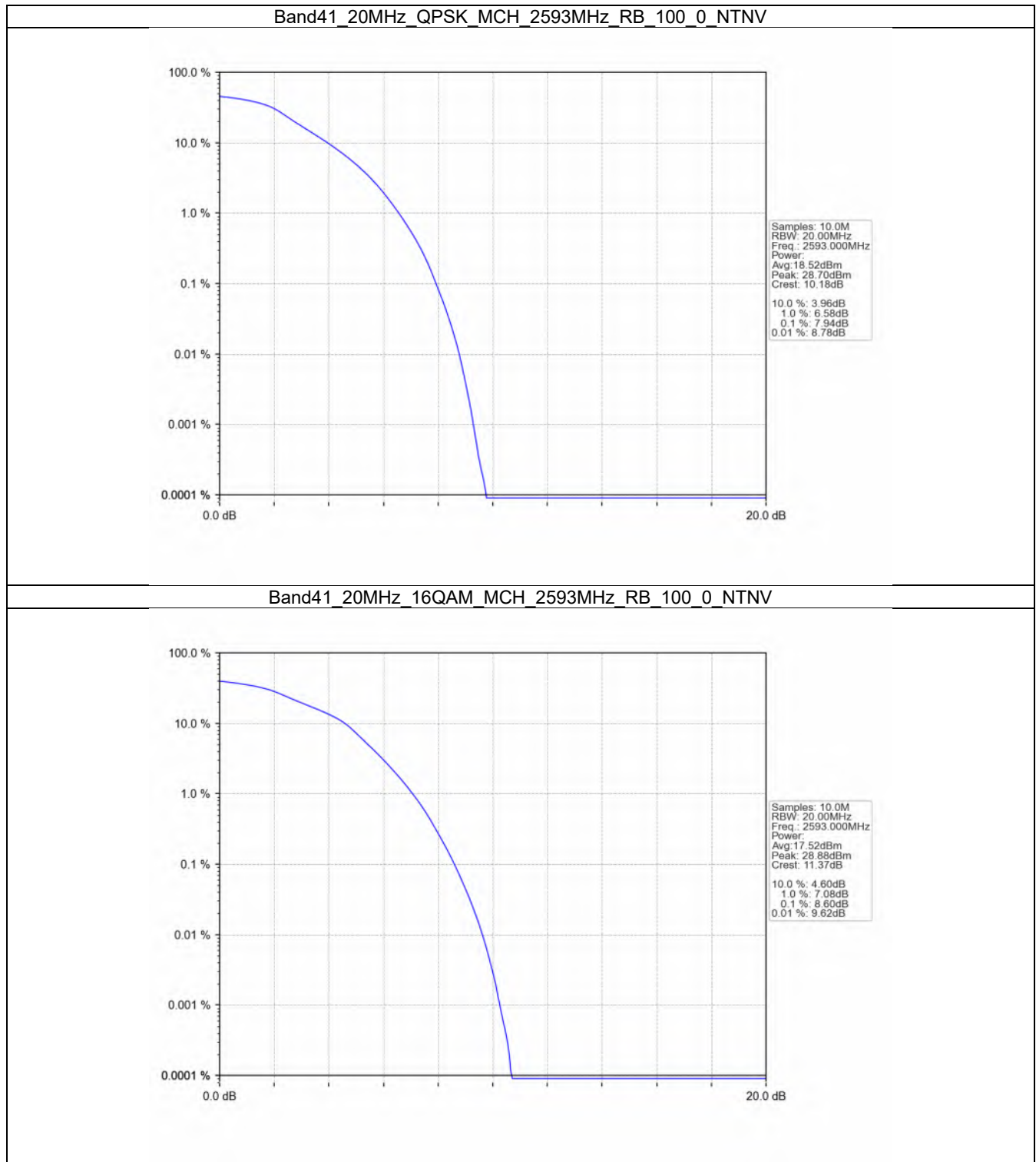
### 4.1 Test Result

#### 4.1.1 B41\_20MHz

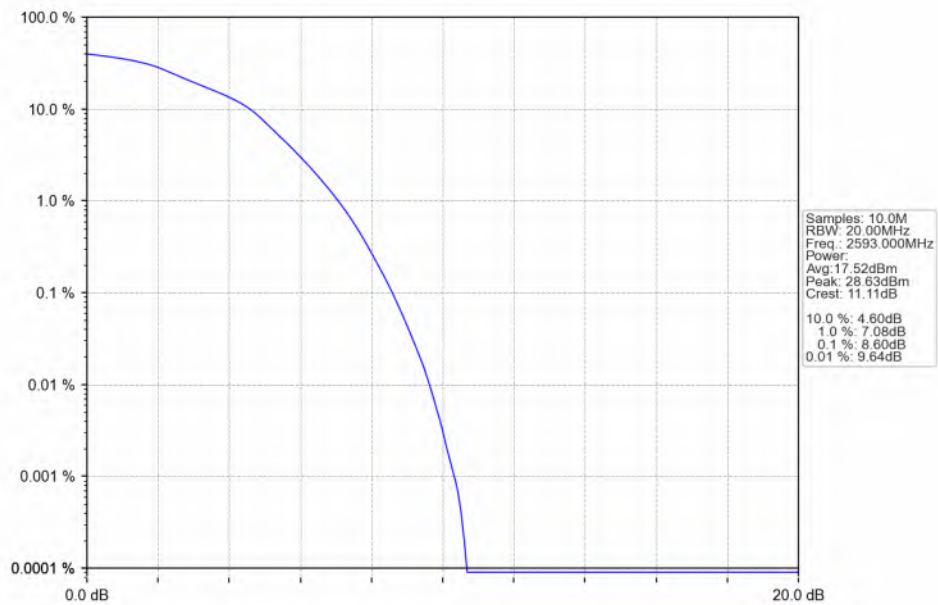
| Band: 41 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|------------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2593               | 100           | 0      | 7.94                    | <=13  | Pass    |
| 16QAM                              | 2593               | 100           | 0      | 8.60                    | <=13  | Pass    |
| 64QAM                              | 2593               | 100           | 0      | 8.60                    | <=13  | Pass    |
| 256QAM                             | 2593               | 100           | 0      | 8.84                    | <=13  | Pass    |

## 4.2 Test Graph

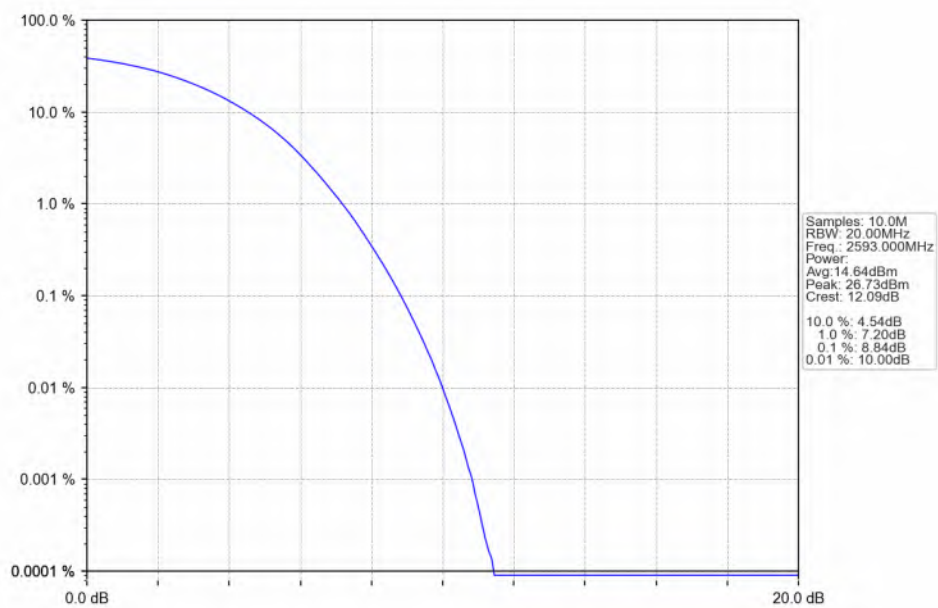
### 4.2.1 B41\_20MHz



Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_256QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | 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    |
|                                  | 2687.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B41\_10MHz

| Band: 41 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |

#### 5.1.3 B41\_15MHz

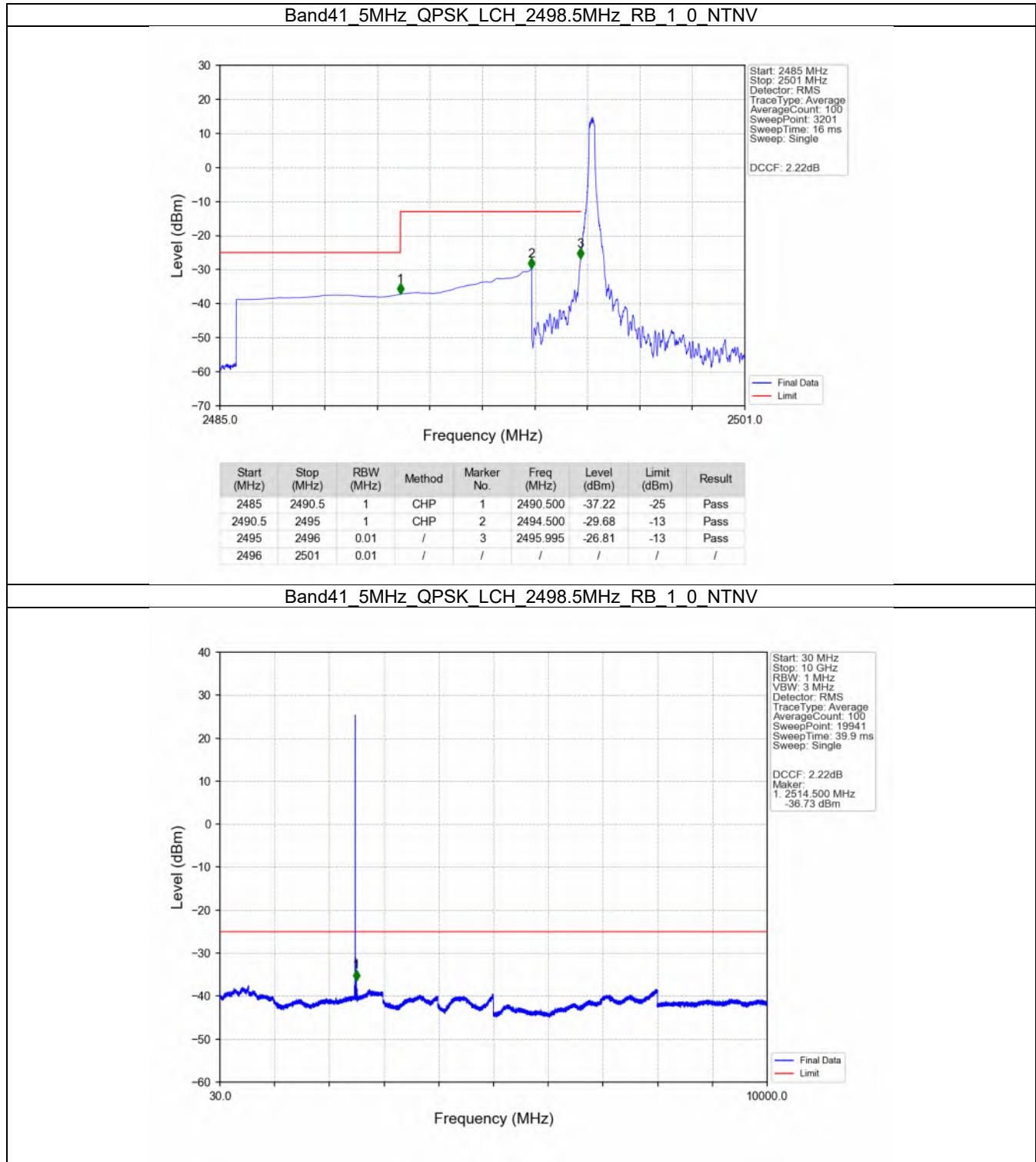
| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) |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

#### 5.1.4 B41\_20MHz

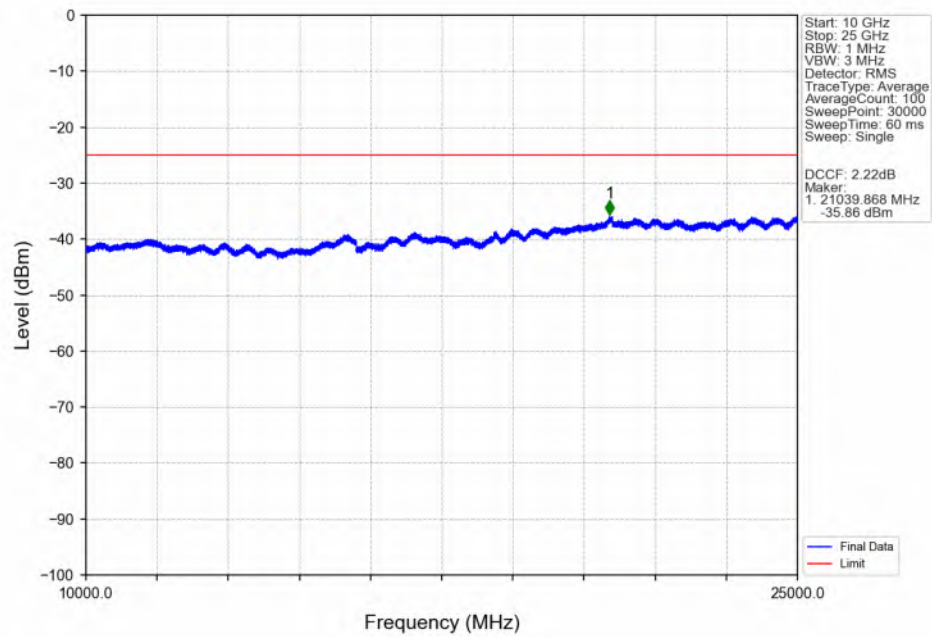
| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) |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

## 5.2 Test Graph

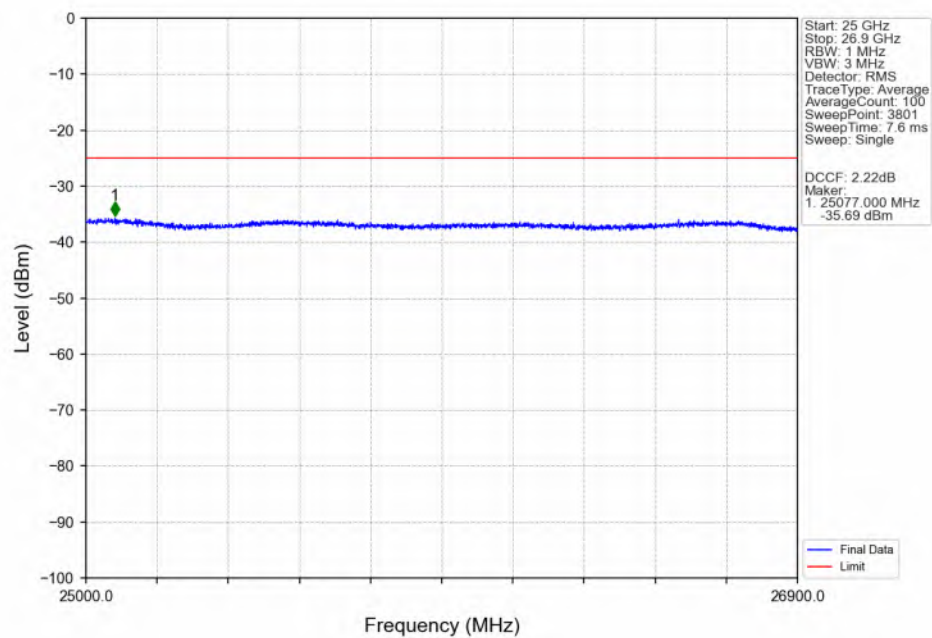
## 5.2.1 B41\_5MHz



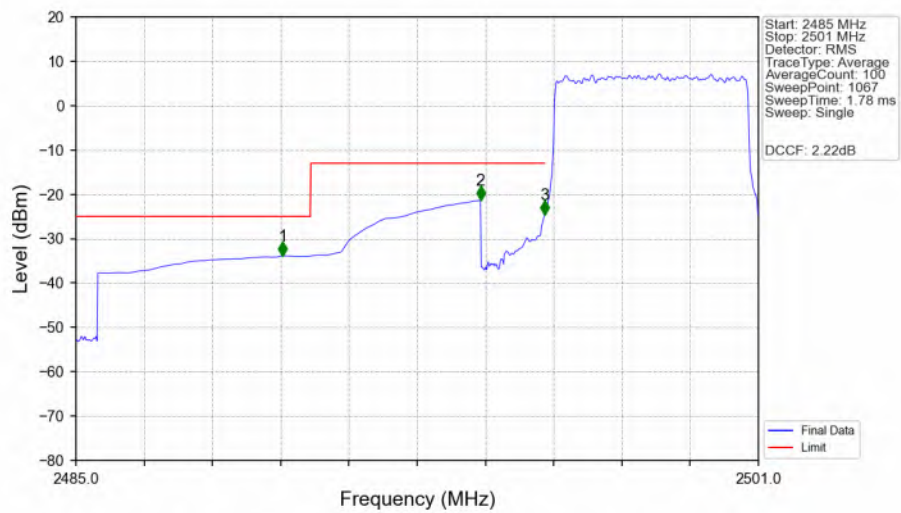
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV

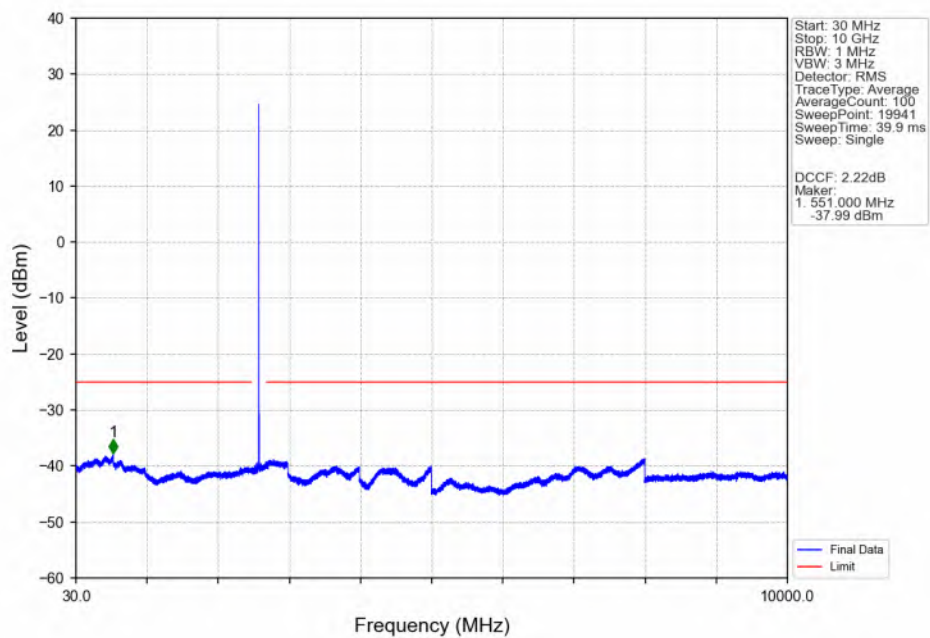


## Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV

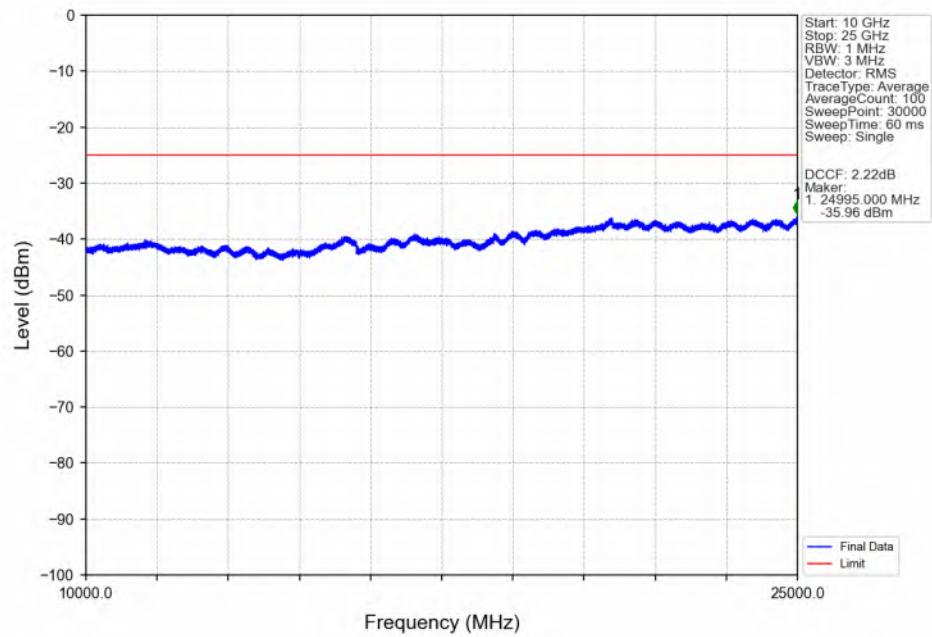


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.848   | -33.88      | -25         | Pass   |
| 2490.5      | 2495       | 1         | CHP    | 2          | 2494.486   | -21.32      | -13         | Pass   |
| 2495        | 2496       | 0.056     | CHP    | 3          | 2495.987   | -24.56      | -13         | Pass   |
| 2496        | 2501       | 0.056     | CHP    | /          | /          | /           | /           | /      |

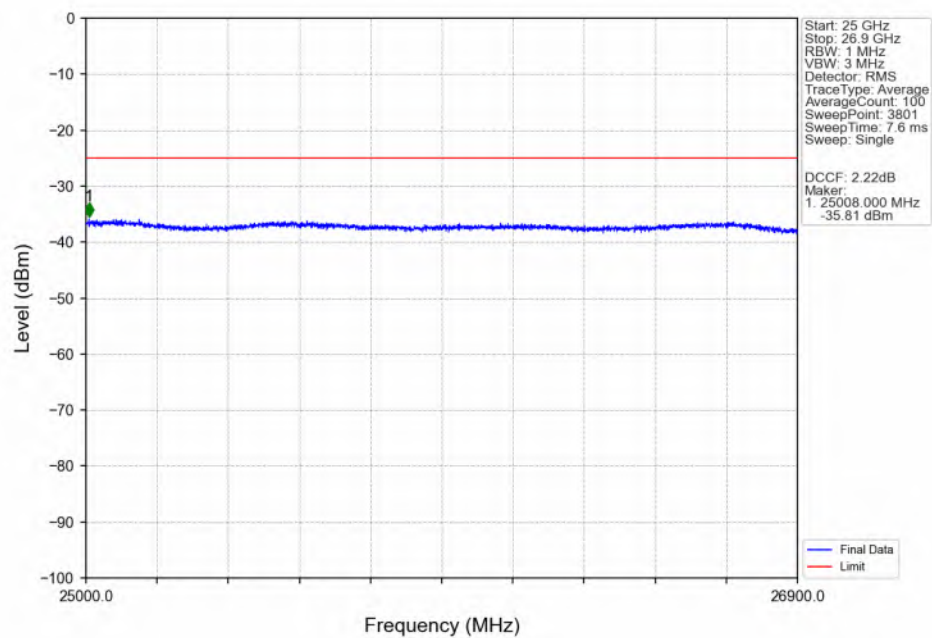
## Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



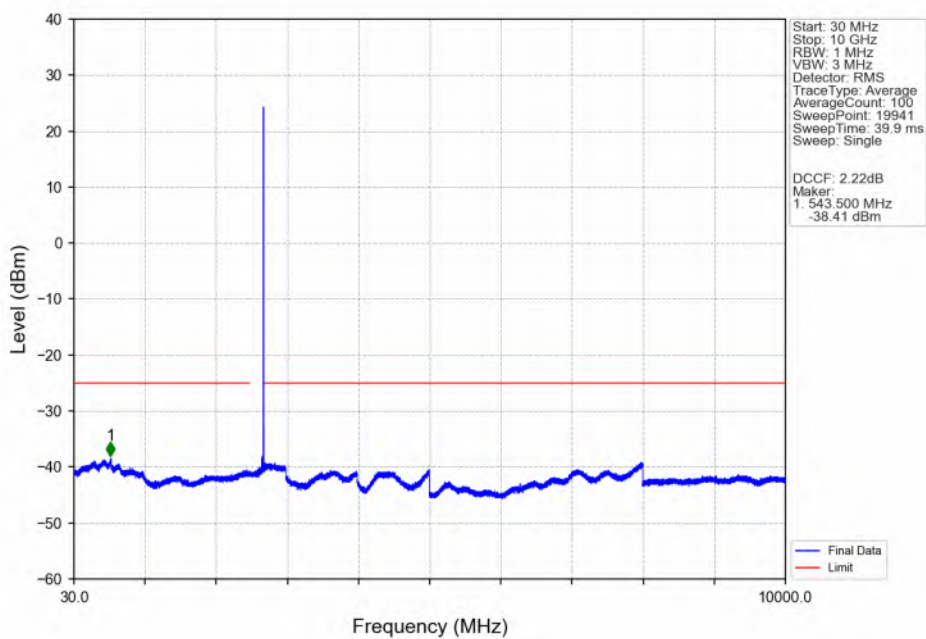
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



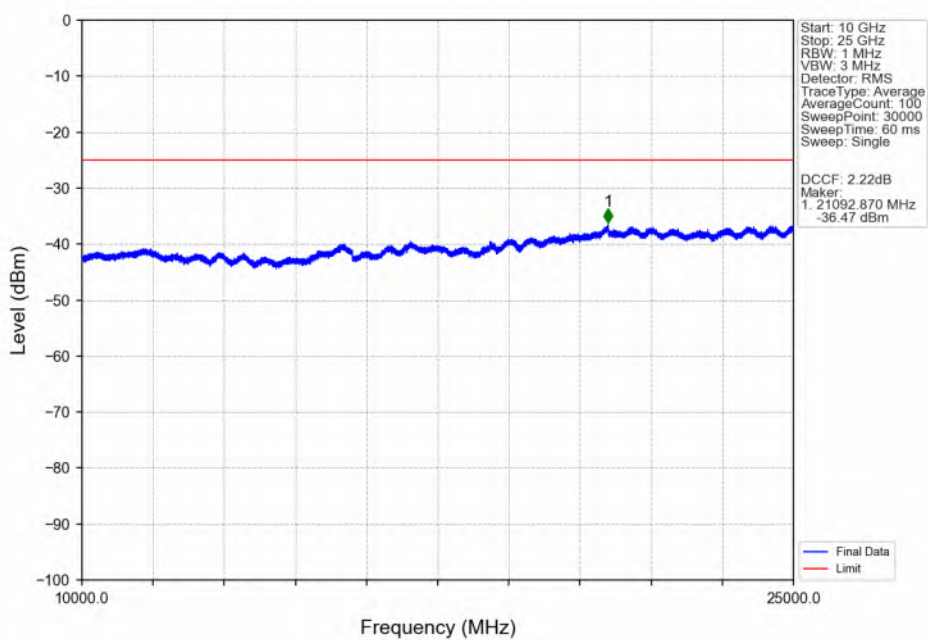
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



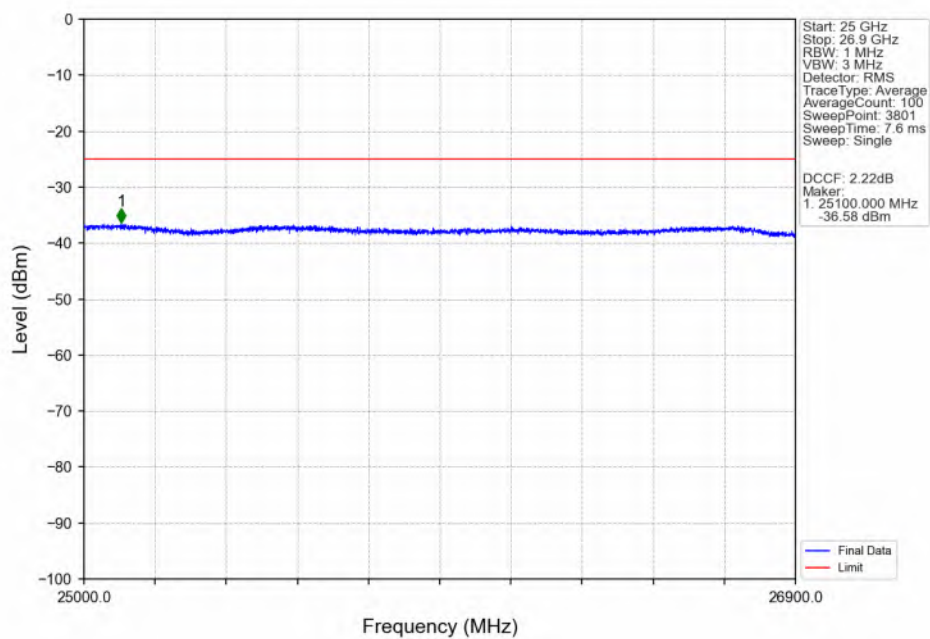
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



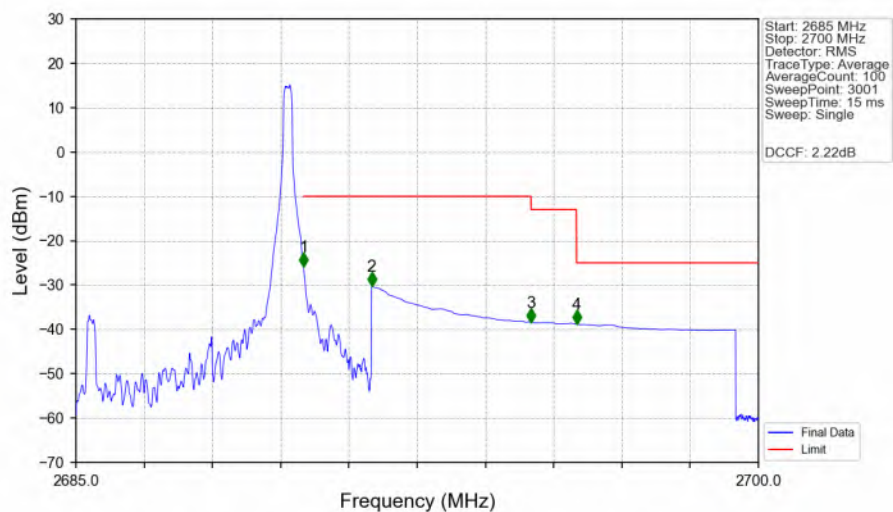
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



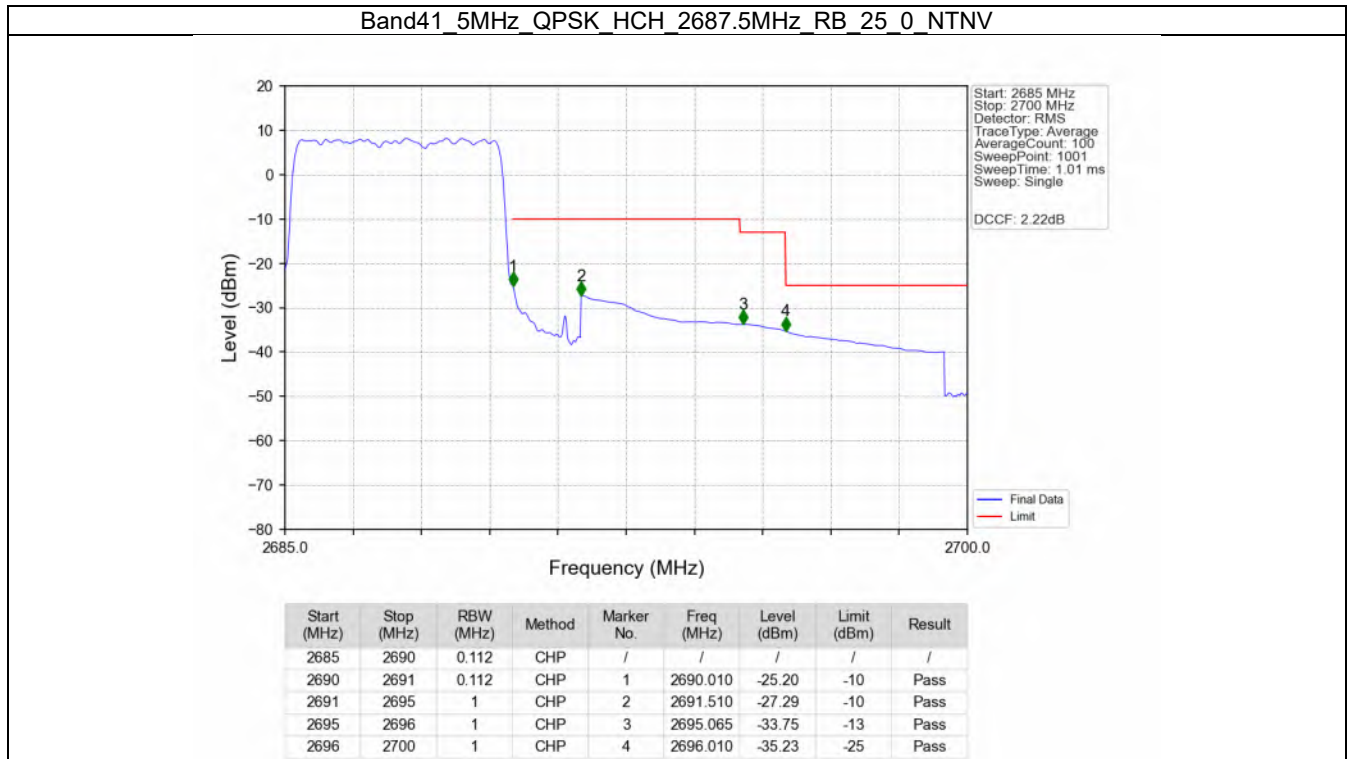
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



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

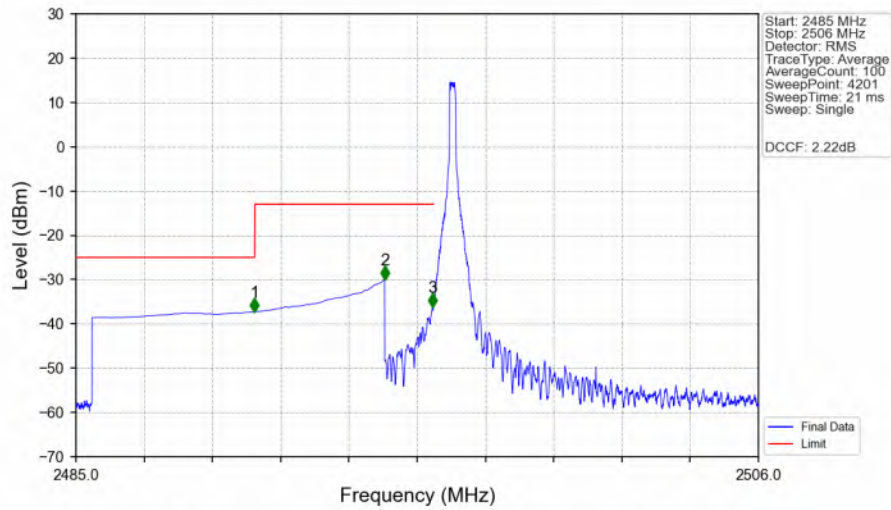


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2685        | 2690       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.02      | CHP    | 1          | 2690.005   | -25.95      | -10         | Pass   |
| 2691        | 2695       | 1         | CHP    | 2          | 2691.500   | -30.16      | -10         | Pass   |
| 2695        | 2696       | 1         | CHP    | 3          | 2695.005   | -38.45      | -13         | Pass   |
| 2696        | 2700       | 1         | CHP    | 4          | 2696.005   | -38.83      | -25         | Pass   |



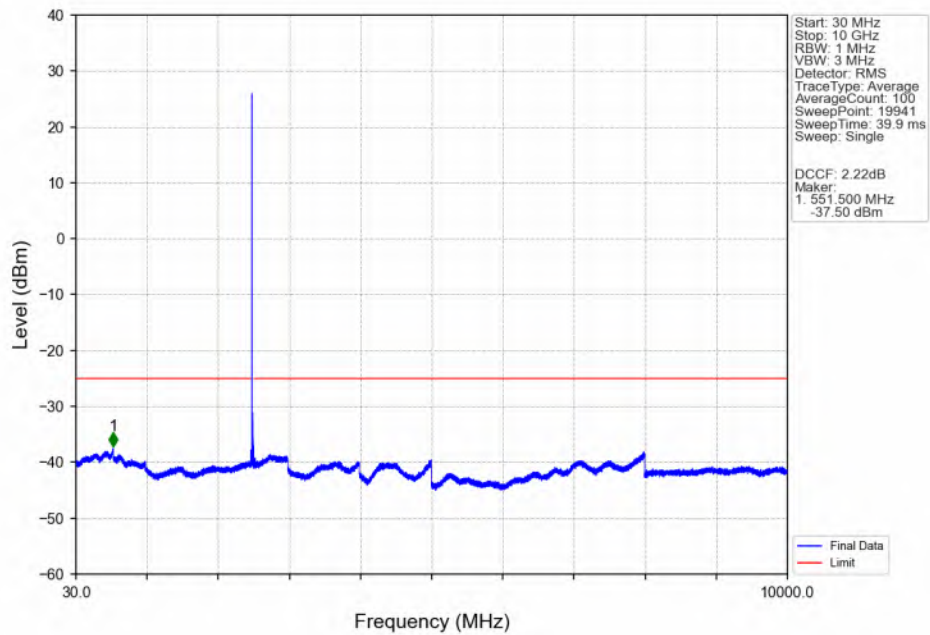
## 5.2.2 B41\_10MHz

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

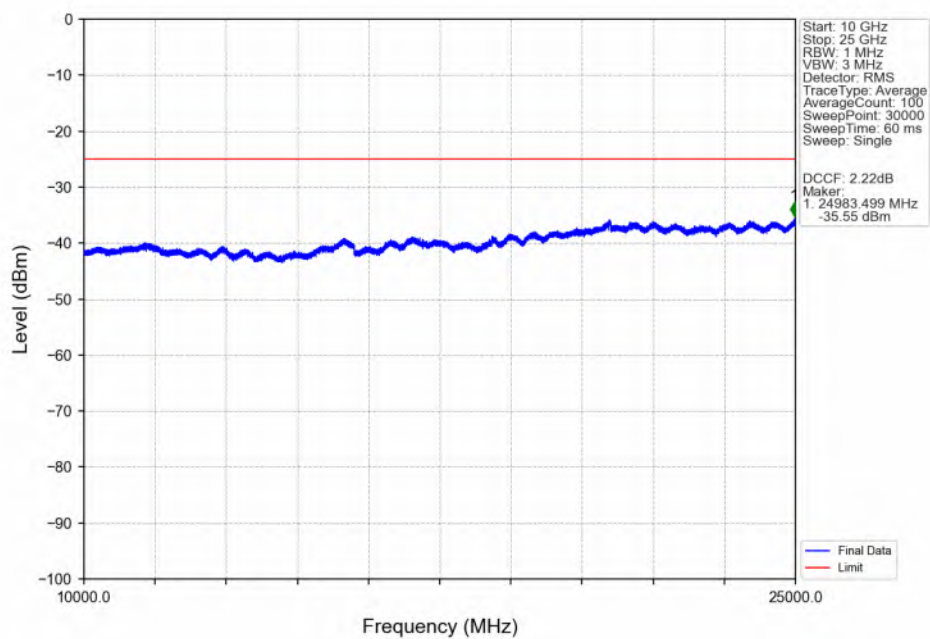


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.495   | -37.29      | -25         | Pass   |
| 2490.5      | 2495       | 1         | CHP    | 2          | 2494.500   | -29.99      | -13         | Pass   |
| 2495        | 2496       | 0.01      | /      | 3          | 2495.970   | -36.31      | -13         | Pass   |
| 2496        | 2506       | 0.01      | /      | /          | /          | /           | /           | /      |

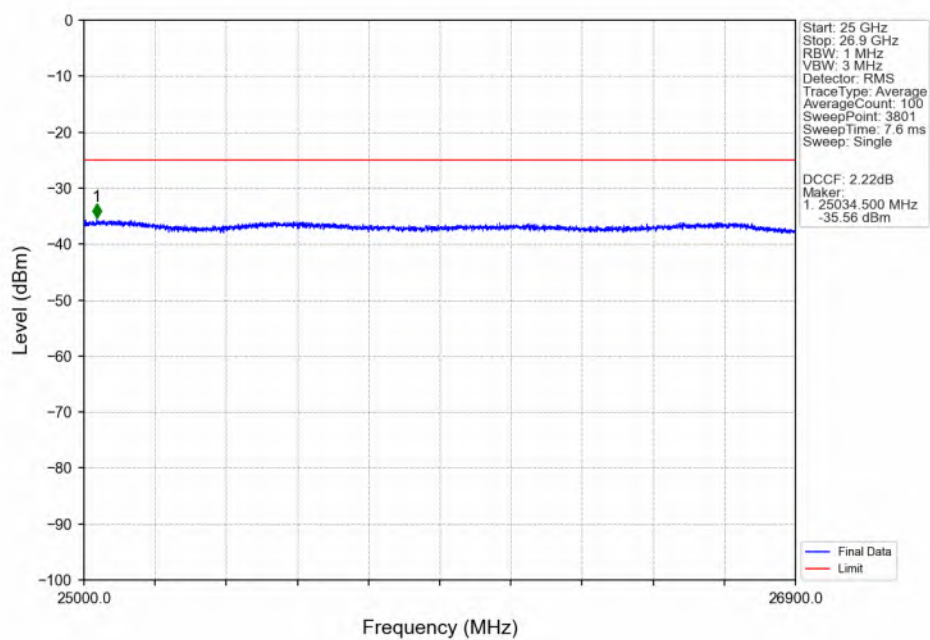
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



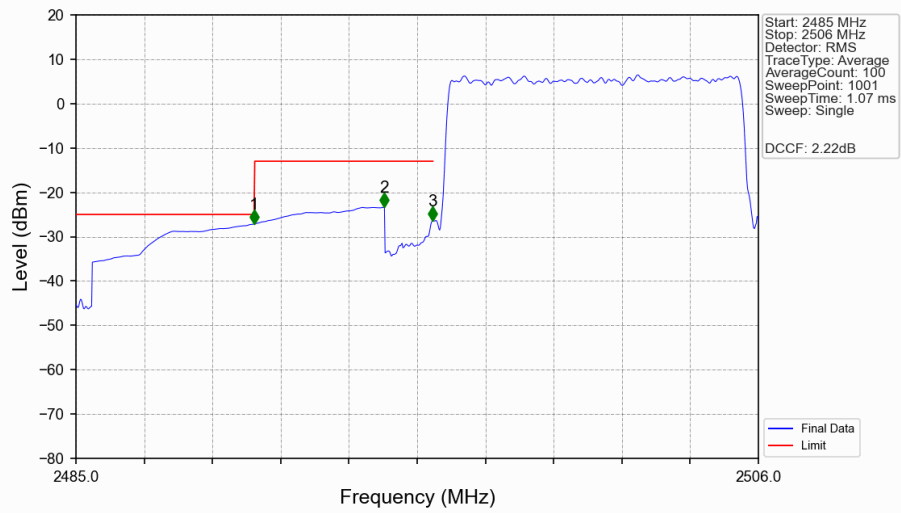
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



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

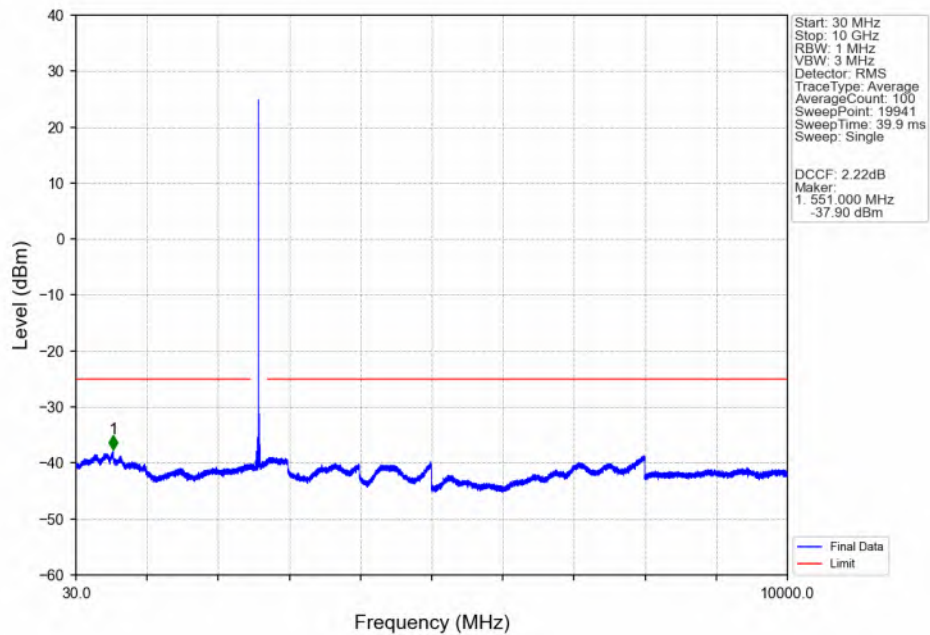


## Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV

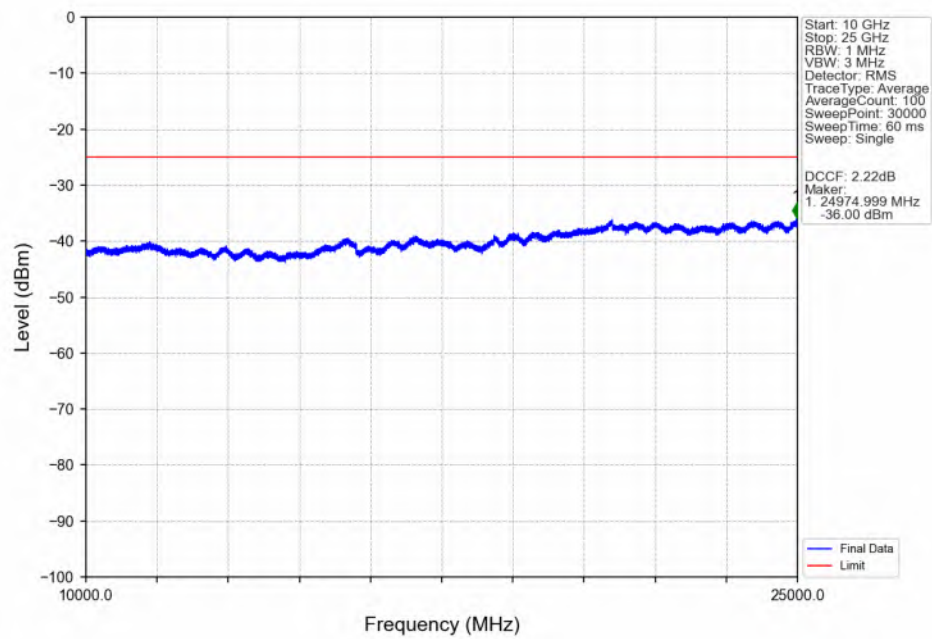


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.481   | -27.15      | -25         | Pass   |
| 2490.5      | 2495       | 1         | CHP    | 2          | 2494.492   | -23.36      | -13         | Pass   |
| 2495        | 2496       | 0.101     | CHP    | 3          | 2495.983   | -26.41      | -13         | Pass   |
| 2496        | 2506       | 0.101     | CHP    | /          | /          | /           | /           | /      |

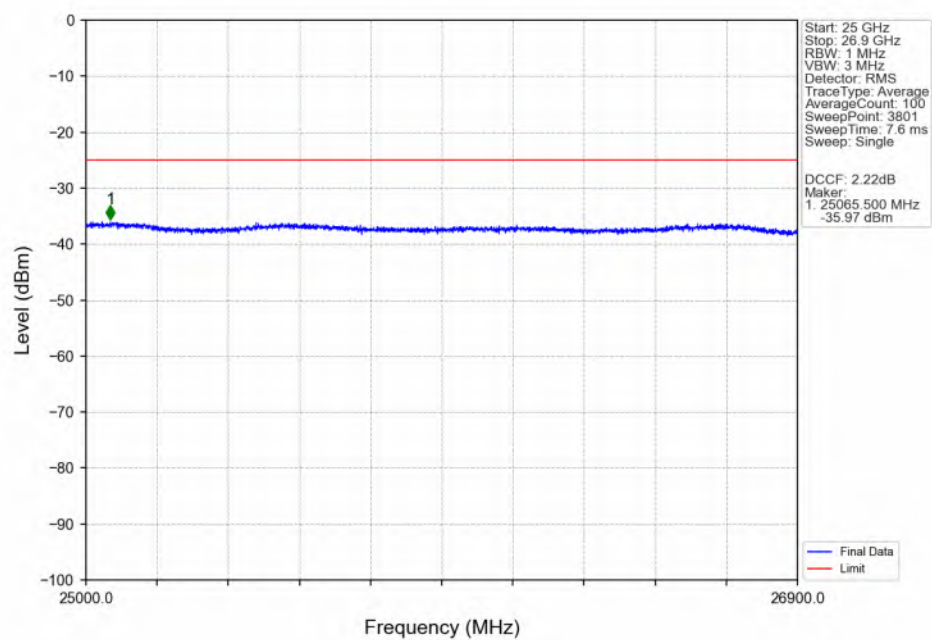
## Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



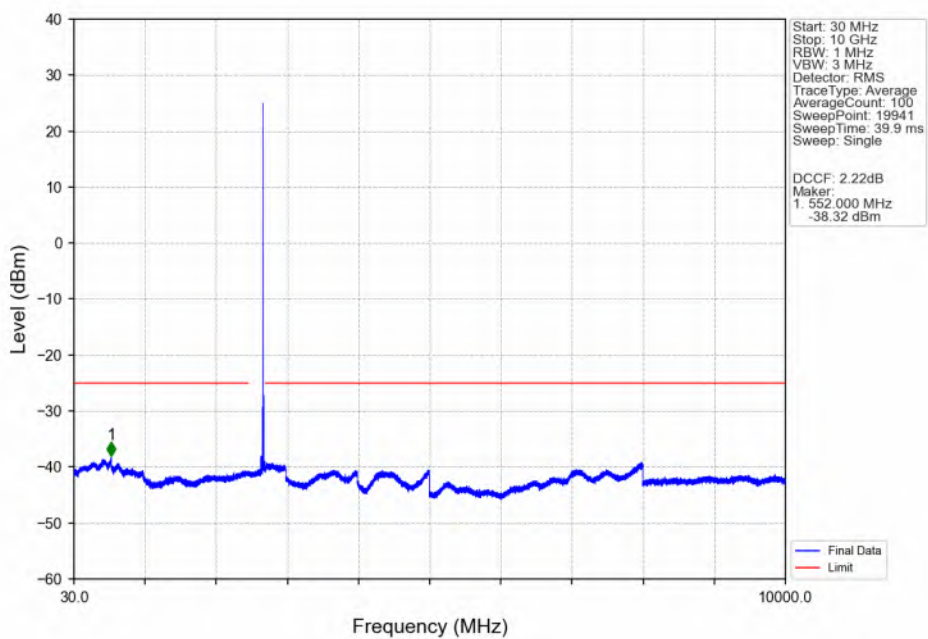
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



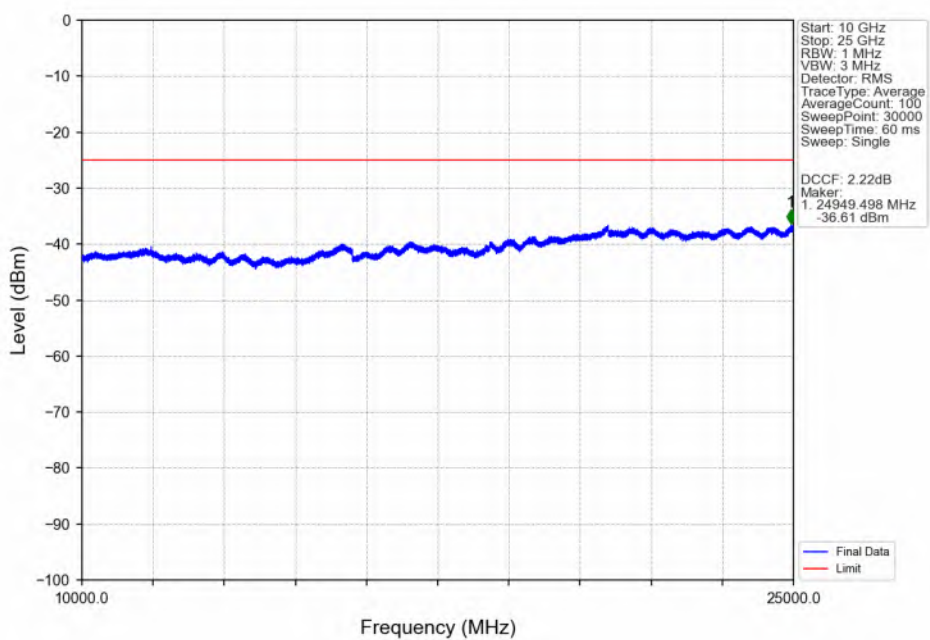
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



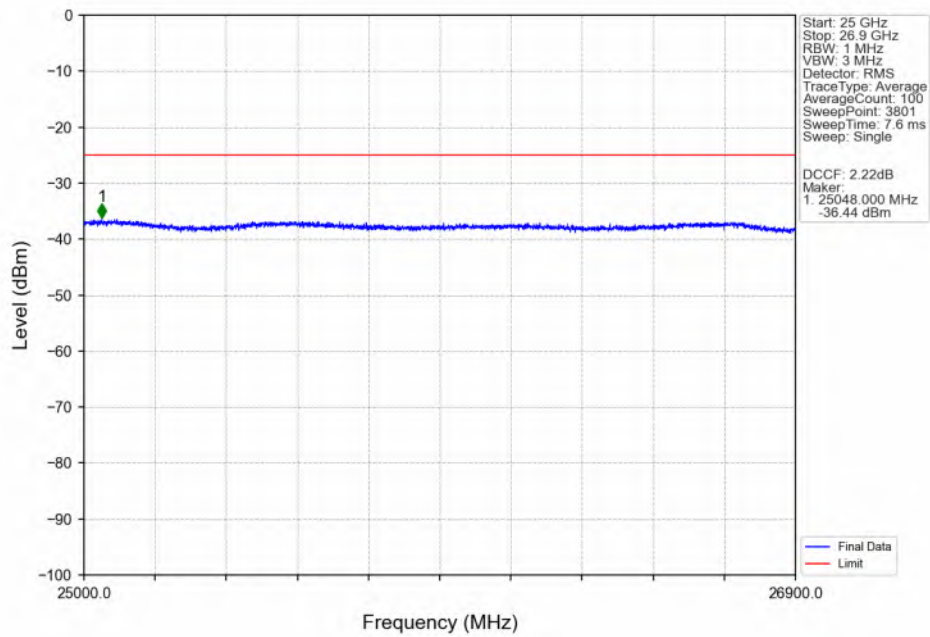
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



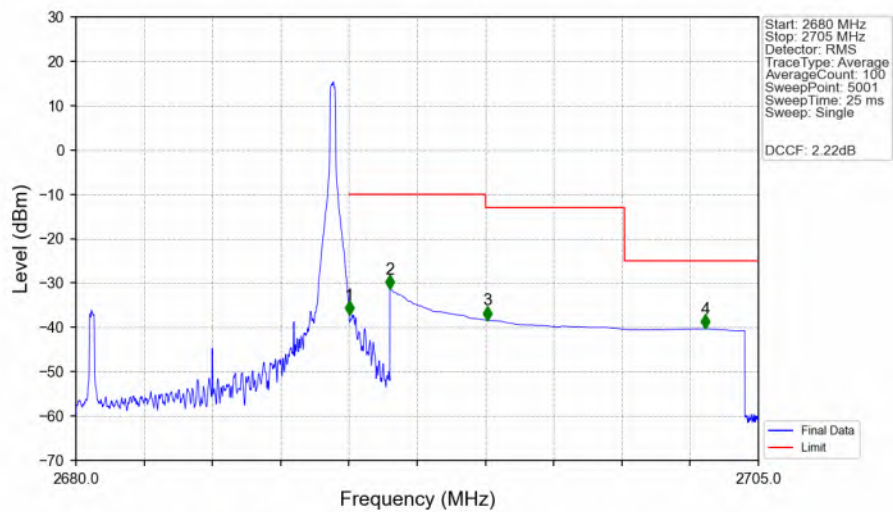
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



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

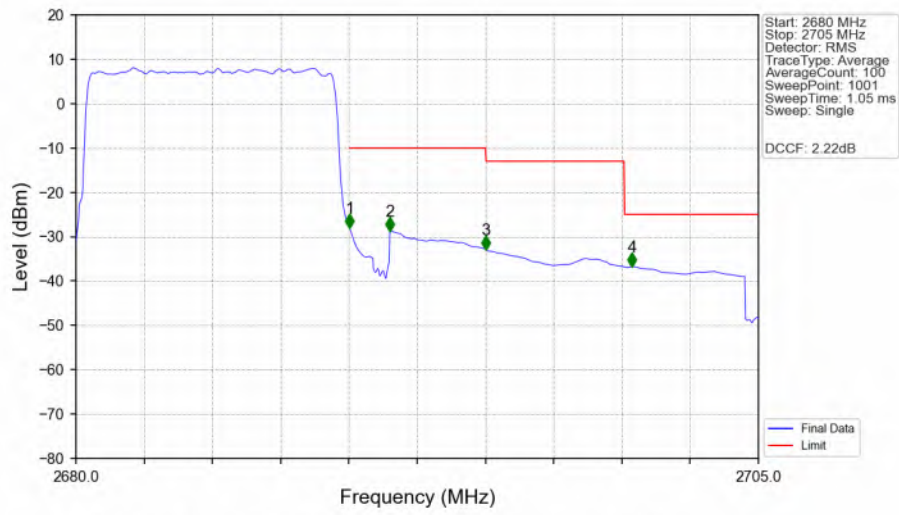


Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_49\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2680        | 2690       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.02      | CHP    | 1          | 2690.005   | -37.13      | -10         | Pass   |
| 2691        | 2695       | 1         | CHP    | 2          | 2691.500   | -31.33      | -10         | Pass   |
| 2695        | 2700.09    | 1         | CHP    | 3          | 2695.065   | -38.34      | -13         | Pass   |
| 2700.09     | 2705       | 1         | CHP    | 4          | 2703.060   | -40.32      | -25         | Pass   |

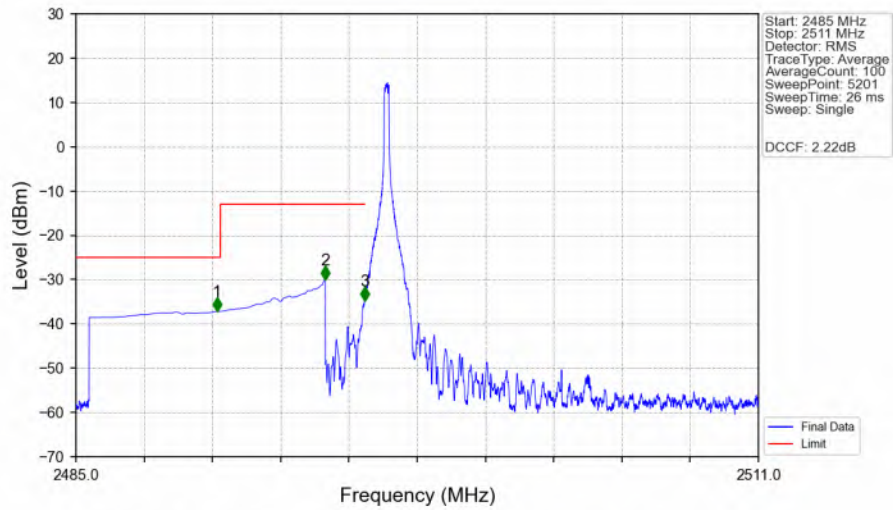
## Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2680        | 2690       | 0.202     | CHP    | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.202     | CHP    | 1          | 2690.025   | -28.02      | -10         | Pass   |
| 2691        | 2695       | 1         | CHP    | 2          | 2691.500   | -28.69      | -10         | Pass   |
| 2695        | 2700.09    | 1         | CHP    | 3          | 2695.025   | -32.97      | -13         | Pass   |
| 2700.09     | 2705       | 1         | CHP    | 4          | 2700.375   | -36.81      | -25         | Pass   |

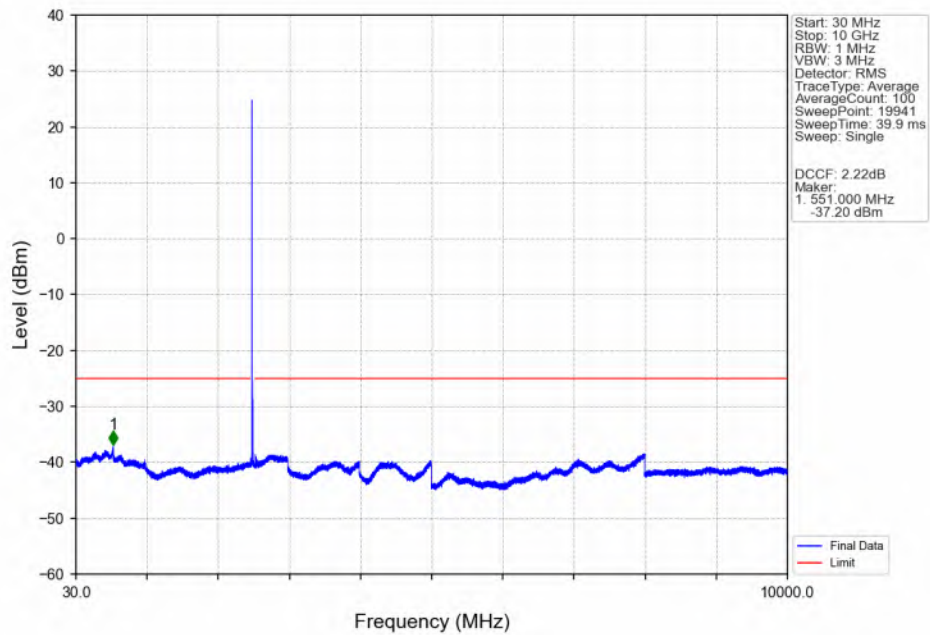
## 5.2.3 B41\_15MHz

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

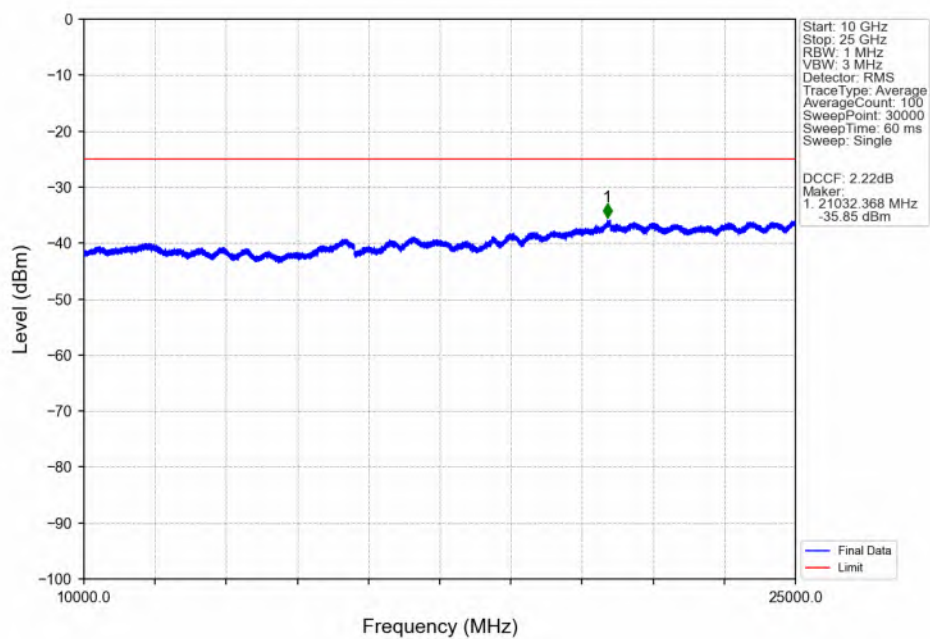


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.375   | -37.15      | -25         | Pass   |
| 2490.5      | 2495       | 1         | CHP    | 2          | 2494.500   | -29.99      | -13         | Pass   |
| 2495        | 2496       | 0.01      | /      | 3          | 2495.995   | -34.74      | -13         | Pass   |
| 2496        | 2511       | 0.01      | /      | /          | /          | /           | /           | /      |

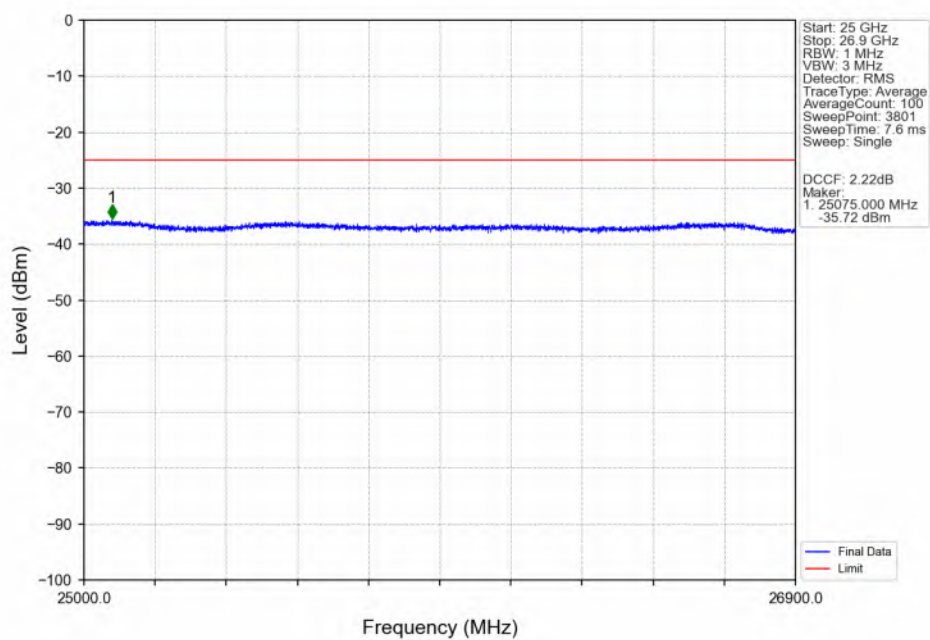
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



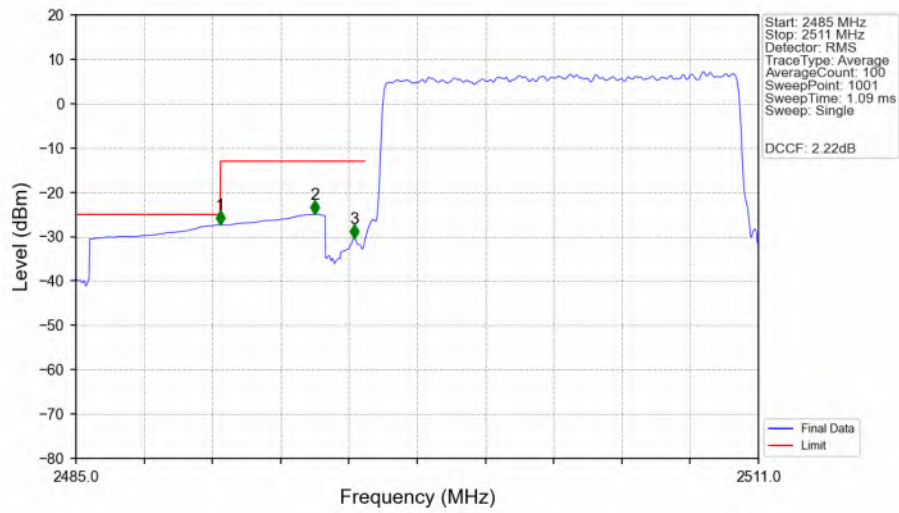
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



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

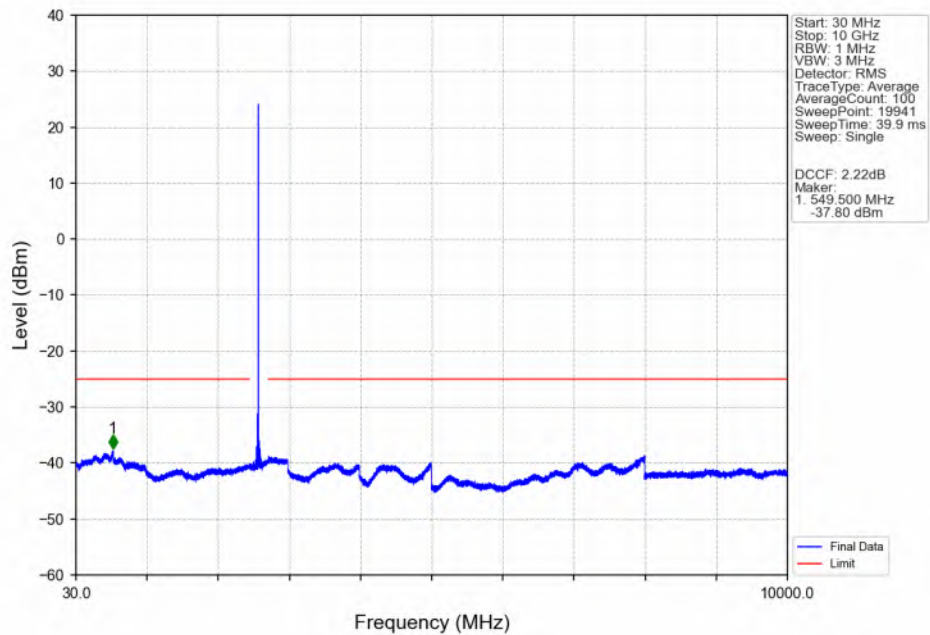


## Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV

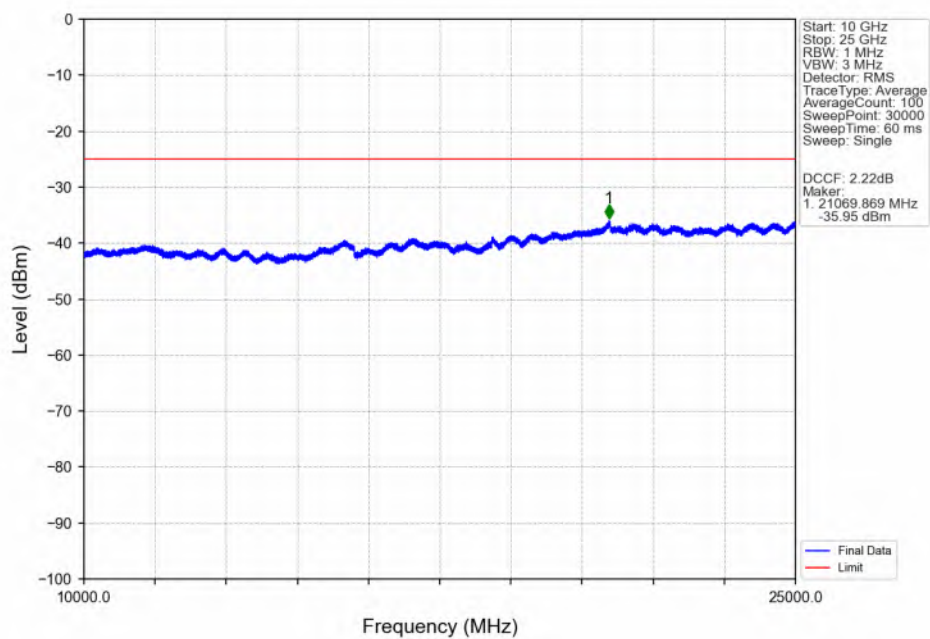


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.486   | -27.32      | -25         | Pass   |
| 2490.5      | 2495       | 1         | CHP    | 2          | 2494.100   | -24.96      | -13         | Pass   |
| 2495        | 2496       | 0.153     | CHP    | 3          | 2495.608   | -30.32      | -13         | Pass   |
| 2496        | 2511       | 0.153     | CHP    | /          | /          | /           | /           | /      |

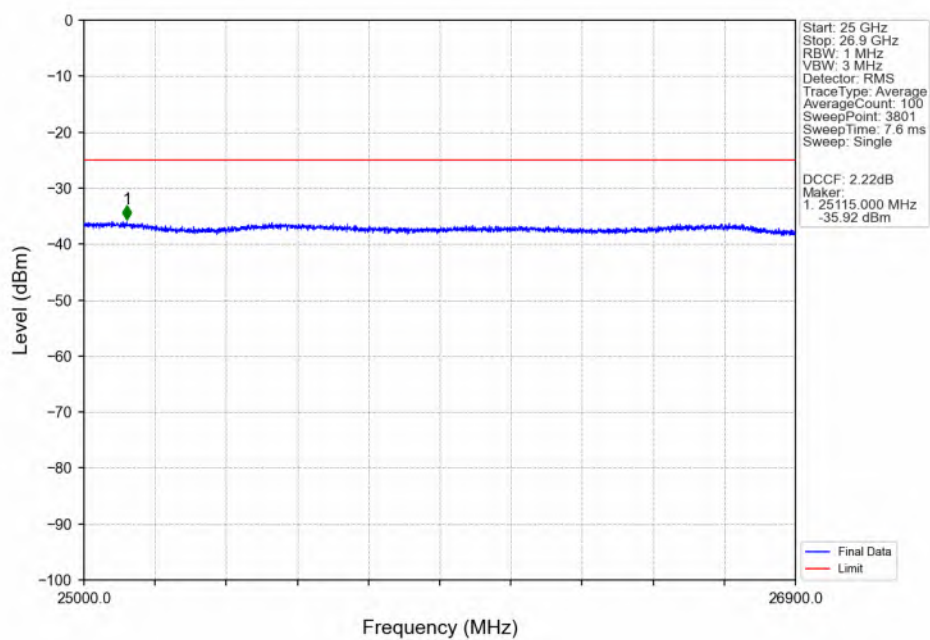
## Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



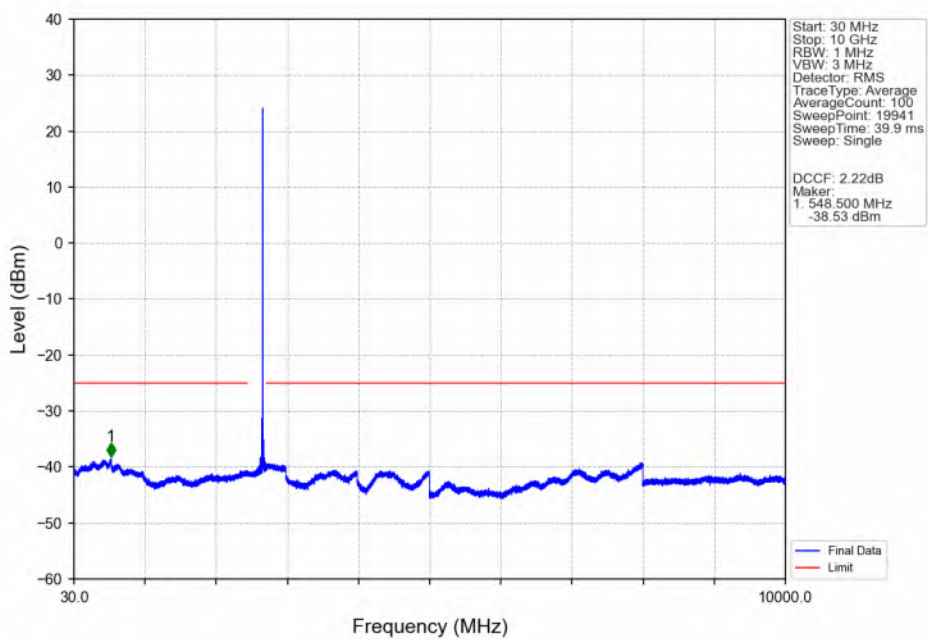
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



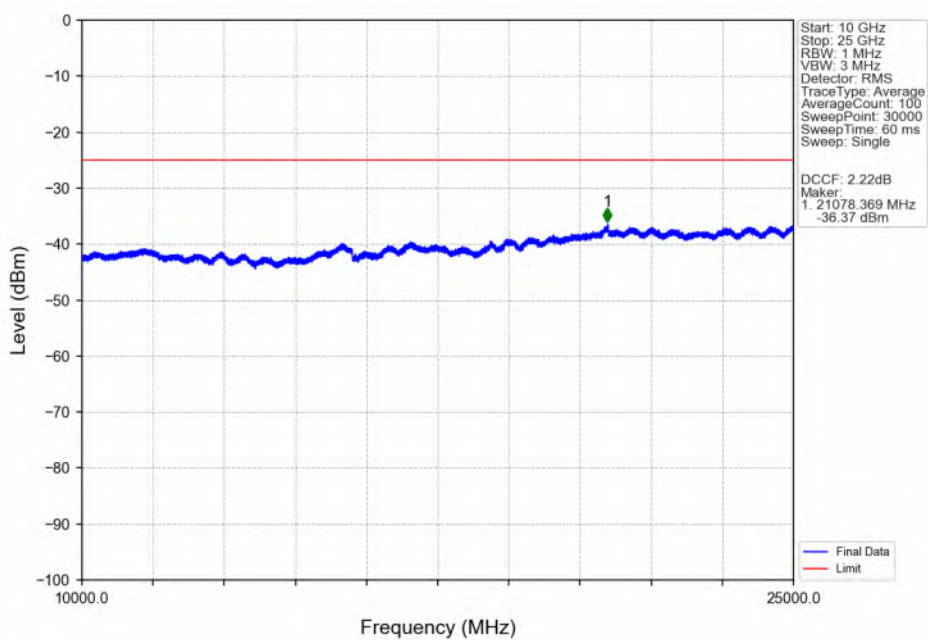
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



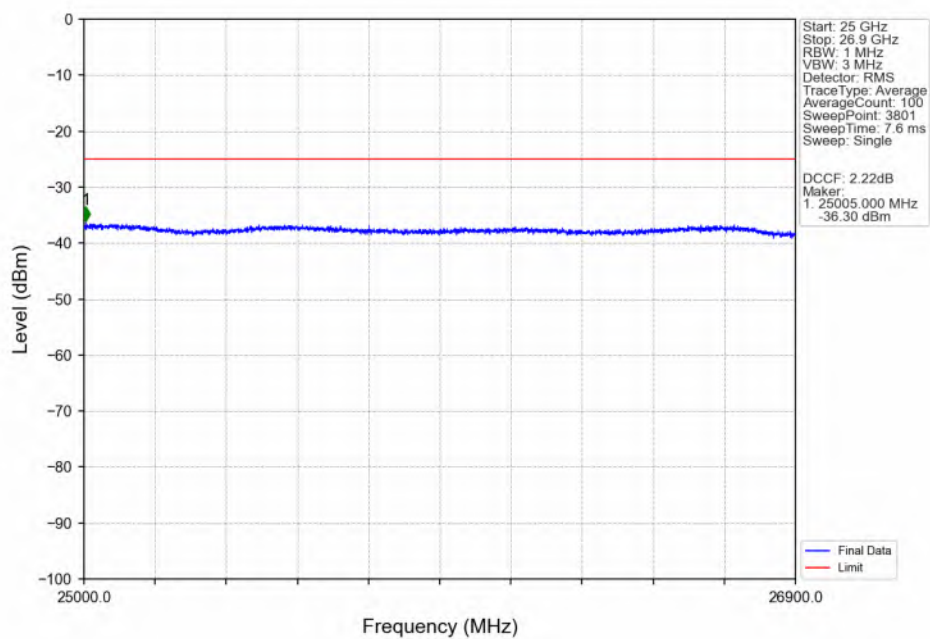
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



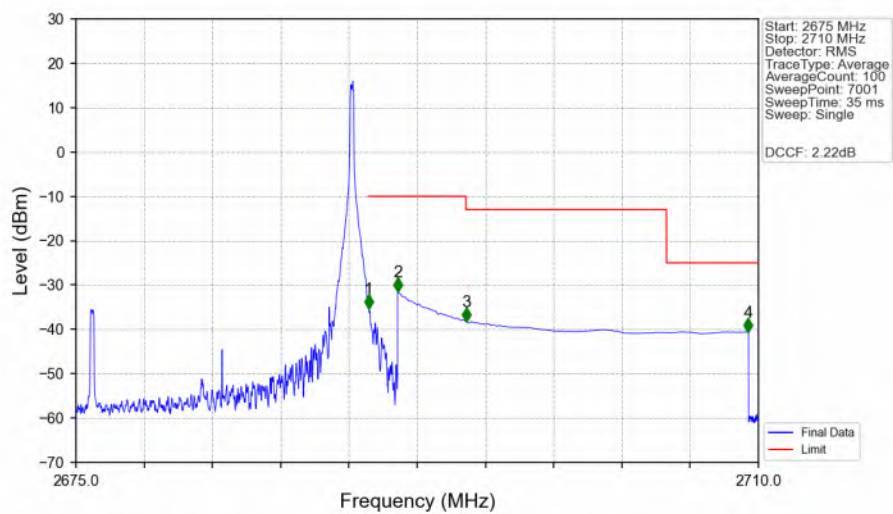
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



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

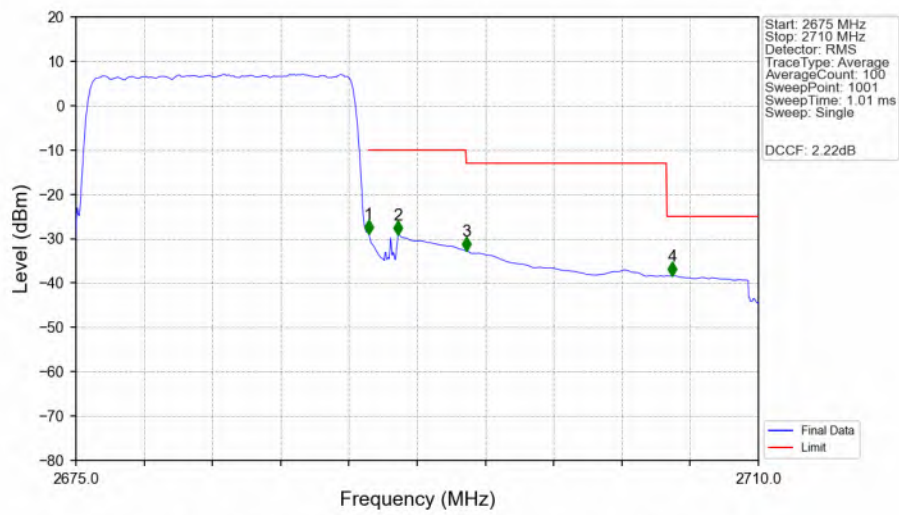


Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2675        | 2690       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.02      | CHP    | 1          | 2690.005   | -35.33      | -10         | Pass   |
| 2691        | 2695       | 1         | CHP    | 2          | 2691.500   | -31.51      | -10         | Pass   |
| 2695        | 2705.288   | 1         | CHP    | 3          | 2695.005   | -38.26      | -13         | Pass   |
| 2705.288    | 2710       | 1         | CHP    | 4          | 2709.470   | -40.58      | -25         | Pass   |

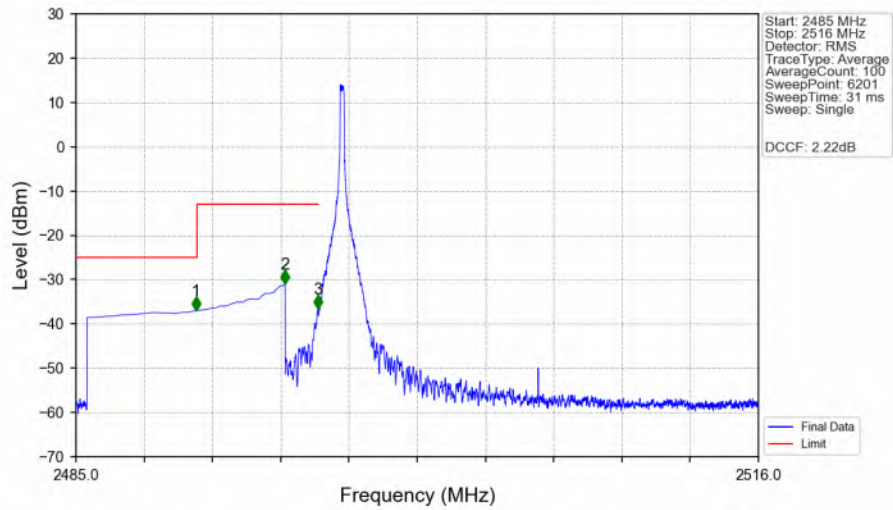
## Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2675        | 2690       | 0.306     | CHP    | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.306     | CHP    | 1          | 2690.015   | -28.88      | -10         | Pass   |
| 2691        | 2695       | 1         | CHP    | 2          | 2691.520   | -29.06      | -10         | Pass   |
| 2695        | 2705.288   | 1         | CHP    | 3          | 2695.020   | -32.75      | -13         | Pass   |
| 2705.288    | 2710       | 1         | CHP    | 4          | 2705.590   | -38.38      | -25         | Pass   |

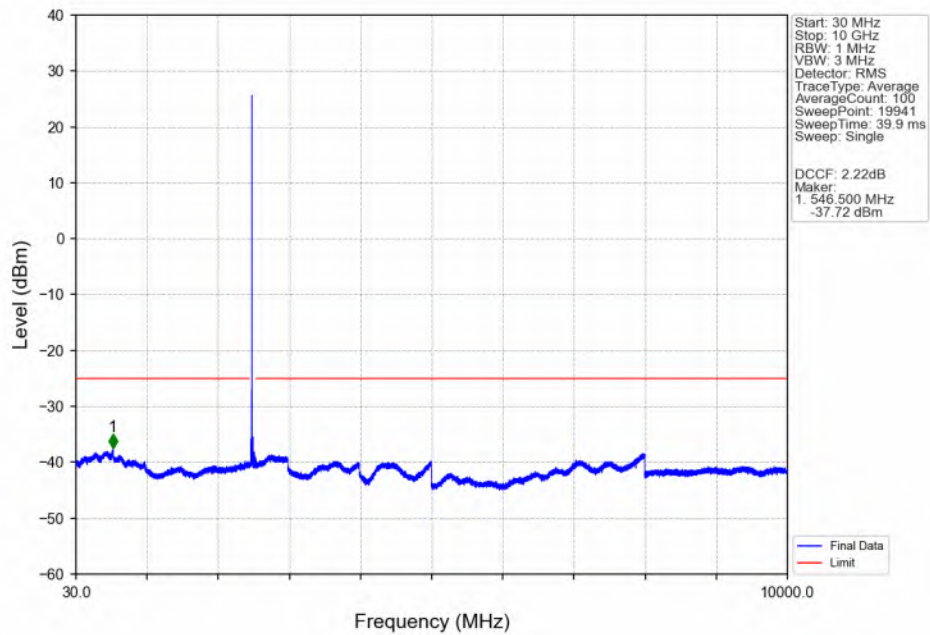
## 5.2.4 B41\_20MHz

Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV

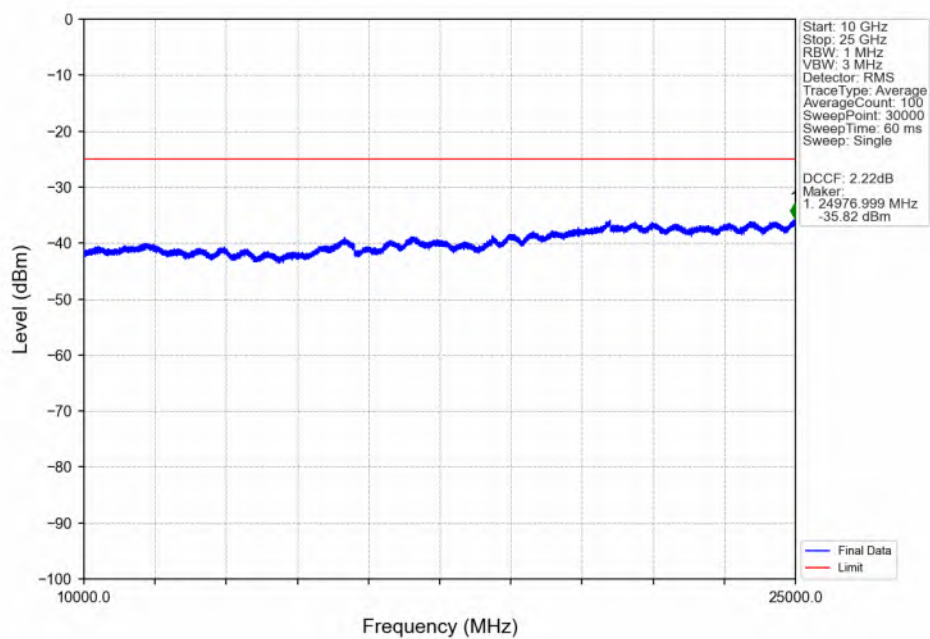


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.450   | -37.06      | -25         | Pass   |
| 2490.5      | 2495       | 1         | CHP    | 2          | 2494.500   | -30.97      | -13         | Pass   |
| 2495        | 2496       | 0.01      | /      | 3          | 2495.980   | -36.65      | -13         | Pass   |
| 2496        | 2516       | 0.01      | /      | /          | /          | /           | /           | /      |

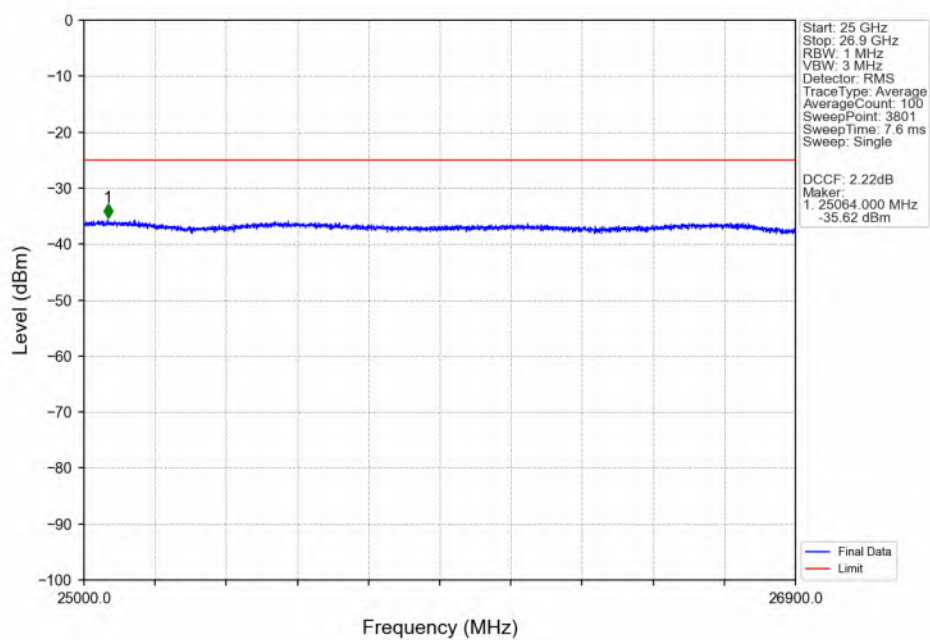
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



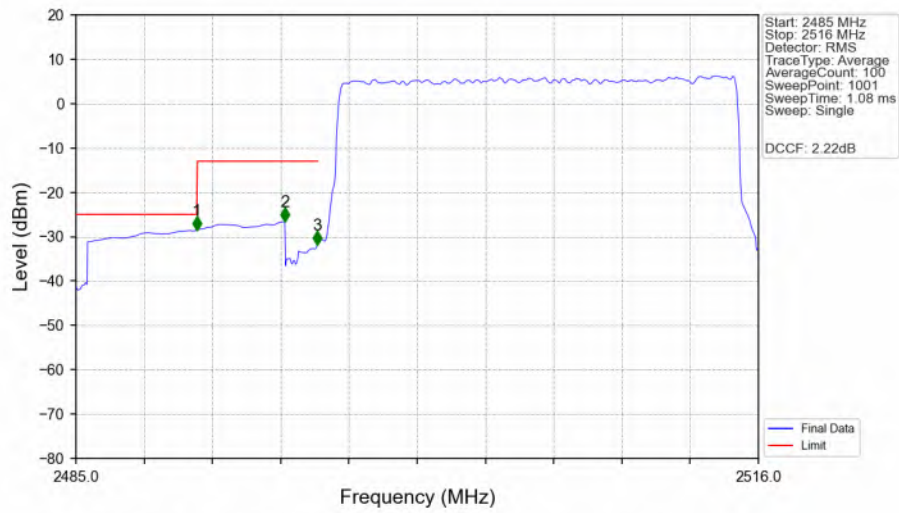
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



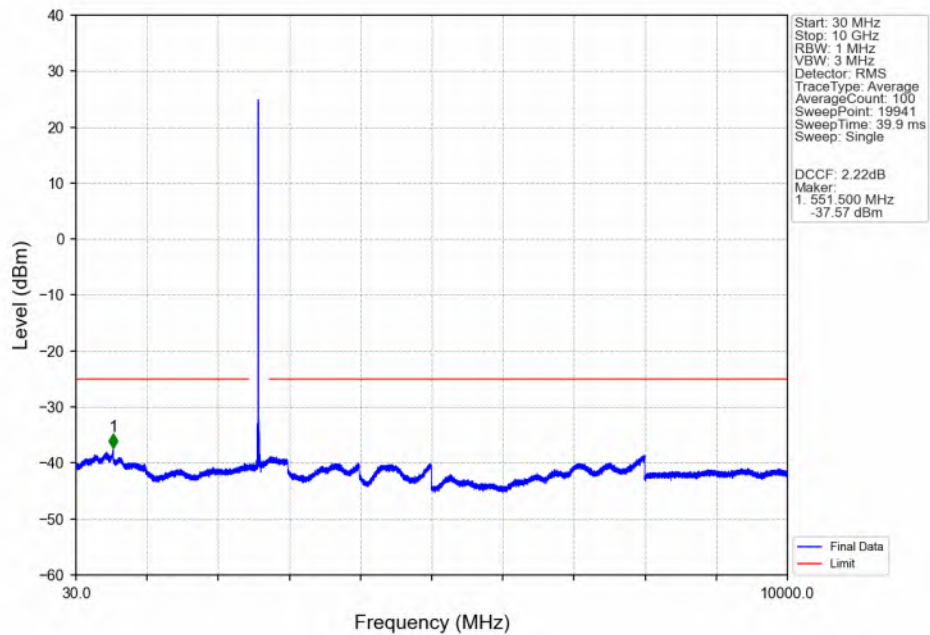
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



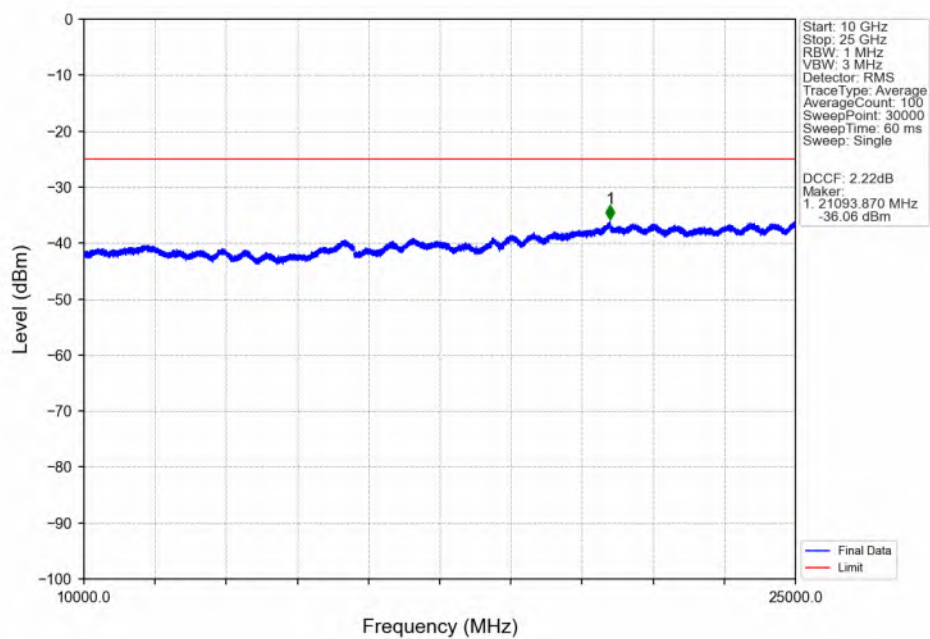
## Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



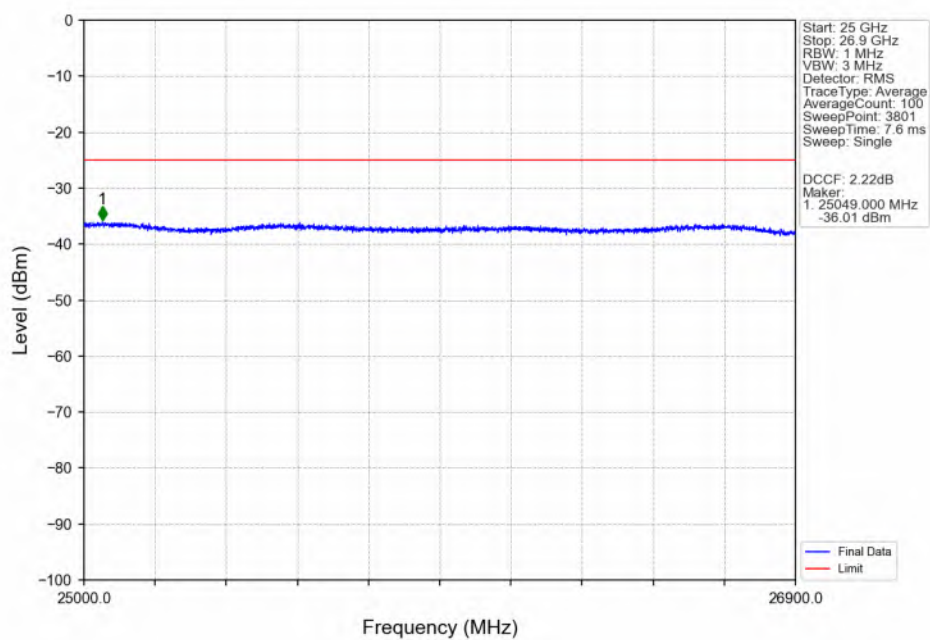
## Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



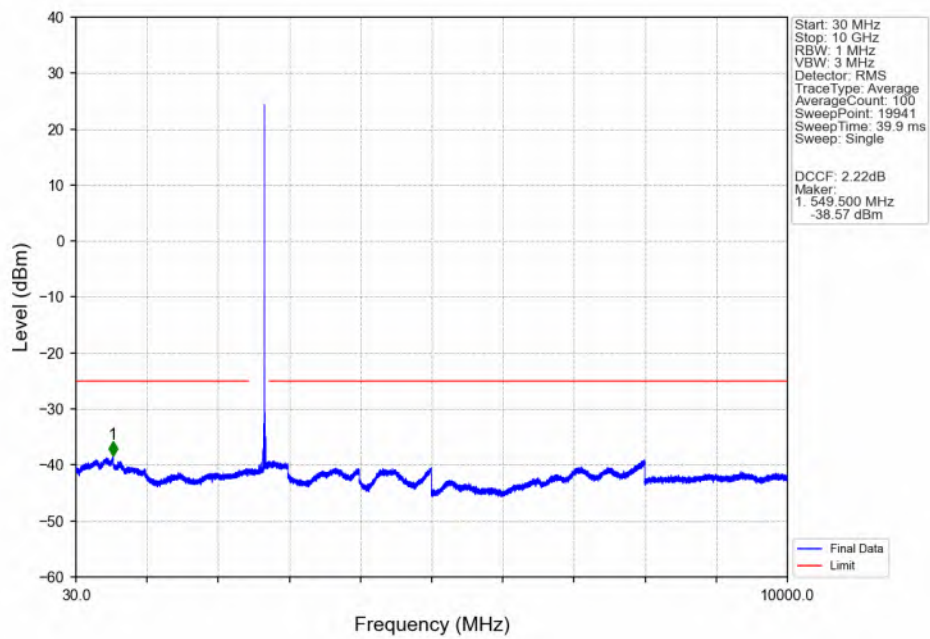
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



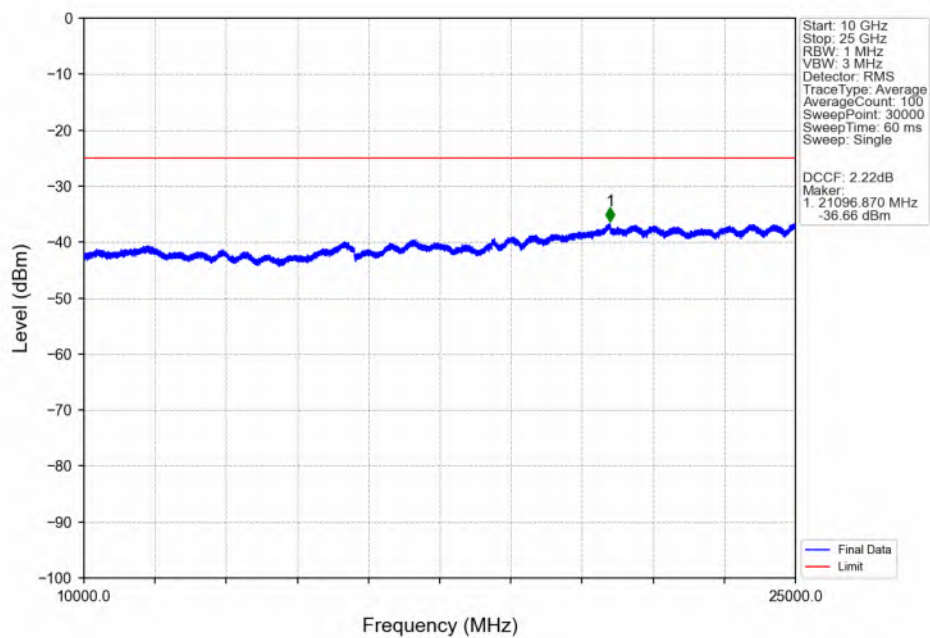
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



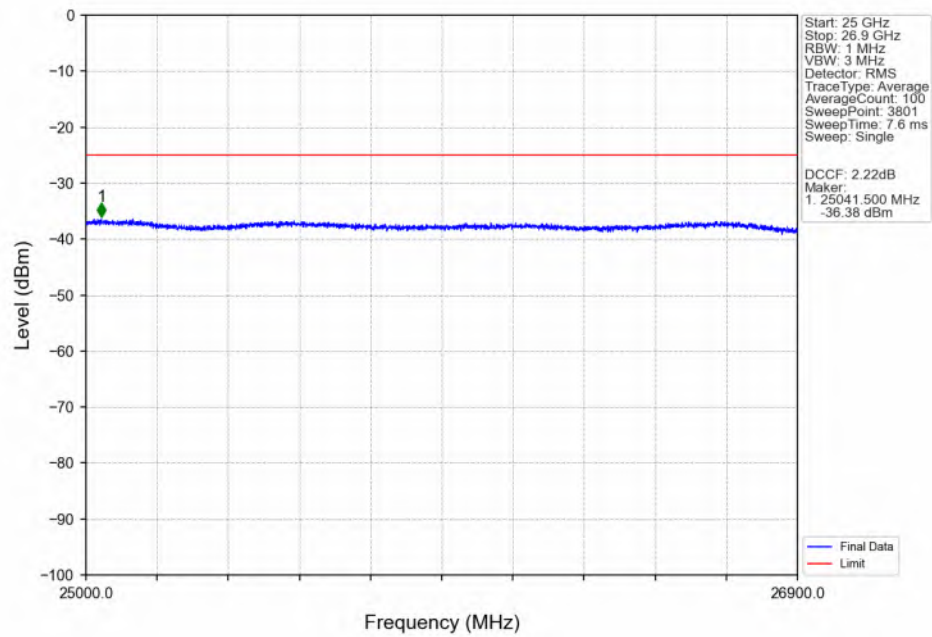
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



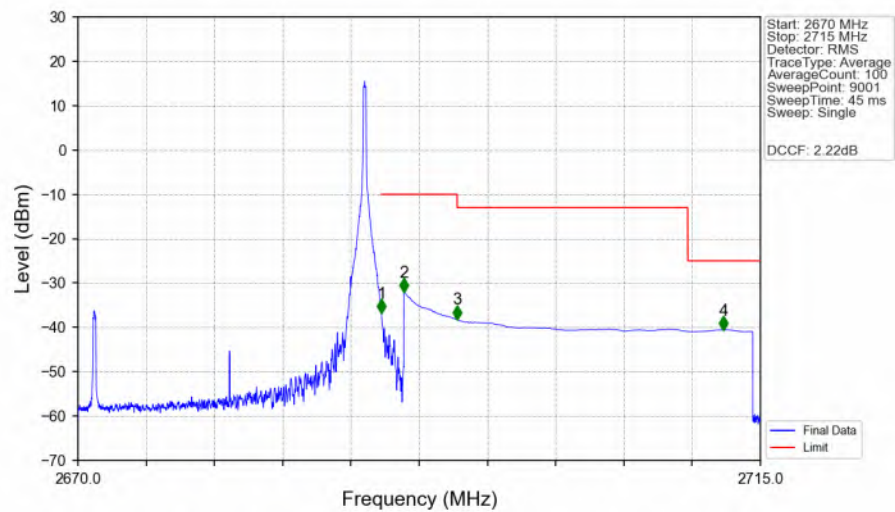
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



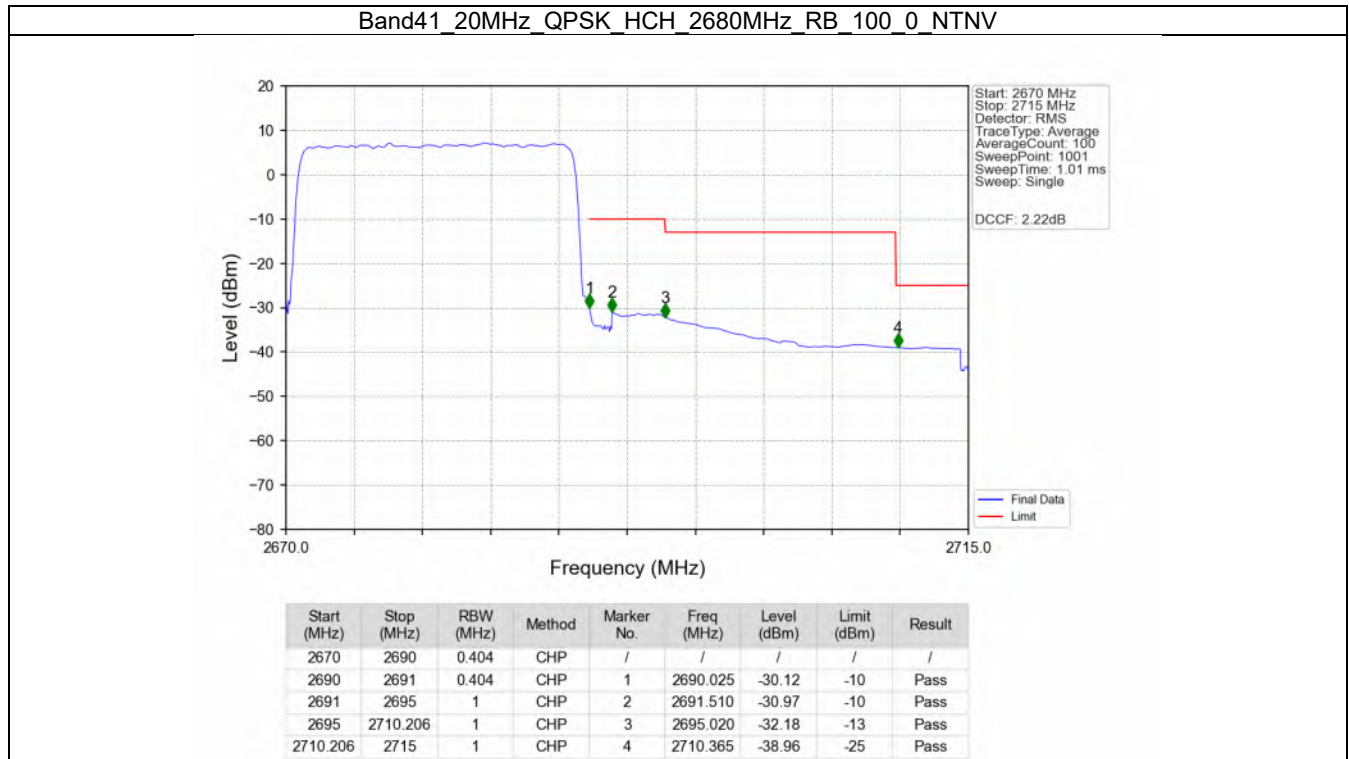
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



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



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2670        | 2690       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.02      | CHP    | 1          | 2690.005   | -36.78      | -10         | Pass   |
| 2691        | 2695       | 1         | CHP    | 2          | 2691.500   | -31.98      | -10         | Pass   |
| 2695        | 2710.206   | 1         | CHP    | 3          | 2695.005   | -38.16      | -13         | Pass   |
| 2710.206    | 2715       | 1         | CHP    | 4          | 2712.565   | -40.58      | -25         | Pass   |



- End of the Appendix -