

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B41\_5MHz\_EIRP (ANT13)

| 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      | 24.20                 | 0.47       | 24.67      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.30                 | 0.47       | 24.77      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.21                 | 0.47       | 24.68      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 24.27                 | 0.47       | 24.74      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 24.32                 | 0.47       | 24.79      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.20                 | 0.47       | 24.67      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 24.24                 | 0.47       | 24.71      | <=33.01 | Pass    |
|                                   | 2593            | 1             | 0      | 23.98                 | 0.47       | 24.45      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.06                 | 0.47       | 24.53      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.00                 | 0.47       | 24.47      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 23.99                 | 0.47       | 24.46      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 23.97                 | 0.47       | 24.44      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.93                 | 0.47       | 24.40      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 23.93                 | 0.47       | 24.40      | <=33.01 | Pass    |
|                                   | 2687.5          | 1             | 0      | 24.19                 | 0.47       | 24.66      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.30                 | 0.47       | 24.77      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.26                 | 0.47       | 24.73      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 24.24                 | 0.47       | 24.71      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 24.27                 | 0.47       | 24.74      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.27                 | 0.47       | 24.74      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 24.23                 | 0.47       | 24.70      | <=33.01 | Pass    |
| 16QAM                             | 2498.5          | 1             | 0      | 24.38                 | 0.47       | 24.85      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.50                 | 0.47       | 24.97      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.36                 | 0.47       | 24.83      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 24.18                 | 0.47       | 24.65      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 24.33                 | 0.47       | 24.80      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.05                 | 0.47       | 24.52      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 24.20                 | 0.47       | 24.67      | <=33.01 | Pass    |
|                                   | 2593            | 1             | 0      | 24.31                 | 0.47       | 24.78      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.36                 | 0.47       | 24.83      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.33                 | 0.47       | 24.80      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 24.06                 | 0.47       | 24.53      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 24.09                 | 0.47       | 24.56      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.97                 | 0.47       | 24.44      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 23.90                 | 0.47       | 24.37      | <=33.01 | Pass    |
|                                   | 2687.5          | 1             | 0      | 24.51                 | 0.47       | 24.98      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.49                 | 0.47       | 24.96      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.56                 | 0.47       | 25.03      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 24.31                 | 0.47       | 24.78      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 24.35                 | 0.47       | 24.82      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.34                 | 0.47       | 24.81      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 24.29                 | 0.47       | 24.76      | <=33.01 | Pass    |
| 64QAM                             | 2498.5          | 1             | 0      | 24.30                 | 0.47       | 24.77      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.34                 | 0.47       | 24.81      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 24.30                 | 0.47       | 24.77      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 24.23                 | 0.47       | 24.70      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 24.27                 | 0.47       | 24.74      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 24.24                 | 0.47       | 24.71      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 24.19                 | 0.47       | 24.66      | <=33.01 | Pass    |

|                                          |        |    |    |       |      |       |         |      |
|------------------------------------------|--------|----|----|-------|------|-------|---------|------|
|                                          | 2593   | 1  | 0  | 24.14 | 0.47 | 24.61 | <=33.01 | Pass |
|                                          |        |    | 13 | 24.20 | 0.47 | 24.67 | <=33.01 | Pass |
|                                          |        |    | 24 | 24.01 | 0.47 | 24.48 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 23.98 | 0.47 | 24.45 | <=33.01 | Pass |
|                                          |        |    | 6  | 24.04 | 0.47 | 24.51 | <=33.01 | Pass |
|                                          |        |    | 13 | 23.93 | 0.47 | 24.40 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 23.93 | 0.47 | 24.40 | <=33.01 | Pass |
|                                          | 2687.5 | 1  | 0  | 24.37 | 0.47 | 24.84 | <=33.01 | Pass |
|                                          |        |    | 13 | 24.21 | 0.47 | 24.68 | <=33.01 | Pass |
|                                          |        |    | 24 | 24.43 | 0.47 | 24.90 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 24.26 | 0.47 | 24.73 | <=33.01 | Pass |
|                                          |        |    | 6  | 24.30 | 0.47 | 24.77 | <=33.01 | Pass |
|                                          |        |    | 13 | 24.24 | 0.47 | 24.71 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 24.21 | 0.47 | 24.68 | <=33.01 | Pass |
| 256QAM                                   | 2498.5 | 1  | 0  | 23.61 | 0.47 | 24.08 | <=33.01 | Pass |
|                                          |        |    | 13 | 23.81 | 0.47 | 24.28 | <=33.01 | Pass |
|                                          |        |    | 24 | 23.87 | 0.47 | 24.34 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 23.53 | 0.47 | 24.00 | <=33.01 | Pass |
|                                          |        |    | 6  | 23.67 | 0.47 | 24.14 | <=33.01 | Pass |
|                                          |        |    | 13 | 23.72 | 0.47 | 24.19 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 23.60 | 0.47 | 24.07 | <=33.01 | Pass |
|                                          | 2593   | 1  | 0  | 24.11 | 0.47 | 24.58 | <=33.01 | Pass |
|                                          |        |    | 13 | 24.12 | 0.47 | 24.59 | <=33.01 | Pass |
|                                          |        |    | 24 | 24.00 | 0.47 | 24.47 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 24.04 | 0.47 | 24.51 | <=33.01 | Pass |
|                                          |        |    | 6  | 24.01 | 0.47 | 24.48 | <=33.01 | Pass |
|                                          |        |    | 13 | 23.95 | 0.47 | 24.42 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 23.86 | 0.47 | 24.33 | <=33.01 | Pass |
|                                          | 2687.5 | 1  | 0  | 23.63 | 0.47 | 24.10 | <=33.01 | Pass |
|                                          |        |    | 13 | 23.82 | 0.47 | 24.29 | <=33.01 | Pass |
|                                          |        |    | 24 | 23.94 | 0.47 | 24.41 | <=33.01 | Pass |
|                                          |        | 12 | 0  | 23.57 | 0.47 | 24.04 | <=33.01 | Pass |
|                                          |        |    | 6  | 23.71 | 0.47 | 24.18 | <=33.01 | Pass |
|                                          |        |    | 13 | 23.78 | 0.47 | 24.25 | <=33.01 | Pass |
|                                          |        | 25 | 0  | 23.68 | 0.47 | 24.15 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |        |    |    |       |      |       |         |      |

### 1.1.2 B41\_10MHz\_EIRP (ANT13)

| 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      | 24.14                 | 0.47       | 24.61      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 24.18                 | 0.47       | 24.65      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 24.14                 | 0.47       | 24.61      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 24.23                 | 0.47       | 24.70      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 24.20                 | 0.47       | 24.67      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 24.14                 | 0.47       | 24.61      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 24.17                 | 0.47       | 24.64      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 23.92                 | 0.47       | 24.39      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 24.07                 | 0.47       | 24.54      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.92                 | 0.47       | 24.39      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 23.97                 | 0.47       | 24.44      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 23.99                 | 0.47       | 24.46      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.95                 | 0.47       | 24.42      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 23.93                 | 0.47       | 24.40      | <=33.01 | Pass    |
|                                    | 2685            | 1             | 0      | 24.11                 | 0.47       | 24.58      | <=33.01 | Pass    |

|        |      |      |       |       |       |         |         |         |      |
|--------|------|------|-------|-------|-------|---------|---------|---------|------|
|        |      |      | 25    | 24.20 | 0.47  | 24.67   | <=33.01 | Pass    |      |
|        |      |      | 49    | 24.19 | 0.47  | 24.66   | <=33.01 | Pass    |      |
|        |      |      | 0     | 24.20 | 0.47  | 24.67   | <=33.01 | Pass    |      |
|        |      | 25   | 13    | 24.28 | 0.47  | 24.75   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.27 | 0.47  | 24.74   | <=33.01 | Pass    |      |
|        |      |      | 50    | 0     | 24.28 | 0.47    | 24.75   | <=33.01 | Pass |
| 16QAM  | 2501 | 1    | 0     | 24.34 | 0.47  | 24.81   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.43 | 0.47  | 24.90   | <=33.01 | Pass    |      |
|        |      |      | 49    | 24.38 | 0.47  | 24.85   | <=33.01 | Pass    |      |
|        |      | 25   | 0     | 24.21 | 0.47  | 24.68   | <=33.01 | Pass    |      |
|        |      |      | 13    | 24.19 | 0.47  | 24.66   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.15 | 0.47  | 24.62   | <=33.01 | Pass    |      |
|        |      | 50   | 0     | 24.13 | 0.47  | 24.60   | <=33.01 | Pass    |      |
|        |      | 2593 | 1     | 0     | 24.27 | 0.47    | 24.74   | <=33.01 | Pass |
|        |      |      |       | 25    | 24.25 | 0.47    | 24.72   | <=33.01 | Pass |
|        | 49   |      |       | 24.24 | 0.47  | 24.71   | <=33.01 | Pass    |      |
|        | 25   |      | 0     | 23.95 | 0.47  | 24.42   | <=33.01 | Pass    |      |
|        |      |      | 13    | 23.91 | 0.47  | 24.38   | <=33.01 | Pass    |      |
|        |      |      | 25    | 23.97 | 0.47  | 24.44   | <=33.01 | Pass    |      |
|        | 50   | 0    | 23.94 | 0.47  | 24.41 | <=33.01 | Pass    |         |      |
|        | 2685 | 1    | 0     | 24.30 | 0.47  | 24.77   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.62 | 0.47  | 25.09   | <=33.01 | Pass    |      |
|        |      |      | 49    | 24.49 | 0.47  | 24.96   | <=33.01 | Pass    |      |
|        |      | 25   | 0     | 24.22 | 0.47  | 24.69   | <=33.01 | Pass    |      |
|        |      |      | 13    | 24.24 | 0.47  | 24.71   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.25 | 0.47  | 24.72   | <=33.01 | Pass    |      |
|        |      | 50   | 0     | 24.25 | 0.47  | 24.72   | <=33.01 | Pass    |      |
| 64QAM  |      | 2501 | 1     | 0     | 24.25 | 0.47    | 24.72   | <=33.01 | Pass |
|        |      |      |       | 25    | 24.30 | 0.47    | 24.77   | <=33.01 | Pass |
|        | 49   |      |       | 24.32 | 0.47  | 24.79   | <=33.01 | Pass    |      |
|        | 25   |      | 0     | 24.12 | 0.47  | 24.59   | <=33.01 | Pass    |      |
|        |      |      | 13    | 24.16 | 0.47  | 24.63   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.11 | 0.47  | 24.58   | <=33.01 | Pass    |      |
|        | 50   |      | 0     | 24.10 | 0.47  | 24.57   | <=33.01 | Pass    |      |
|        | 2593 | 1    | 0     | 24.01 | 0.47  | 24.48   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.08 | 0.47  | 24.55   | <=33.01 | Pass    |      |
|        |      |      | 49    | 24.06 | 0.47  | 24.53   | <=33.01 | Pass    |      |
|        |      | 25   | 0     | 23.99 | 0.47  | 24.46   | <=33.01 | Pass    |      |
|        |      |      | 13    | 23.97 | 0.47  | 24.44   | <=33.01 | Pass    |      |
|        |      |      | 25    | 23.91 | 0.47  | 24.38   | <=33.01 | Pass    |      |
|        | 50   | 0    | 23.94 | 0.47  | 24.41 | <=33.01 | Pass    |         |      |
| 2685   | 1    | 0    | 24.23 | 0.47  | 24.70 | <=33.01 | Pass    |         |      |
|        |      | 25   | 24.43 | 0.47  | 24.90 | <=33.01 | Pass    |         |      |
|        |      | 49   | 24.29 | 0.47  | 24.76 | <=33.01 | Pass    |         |      |
|        | 25   | 0    | 24.19 | 0.47  | 24.66 | <=33.01 | Pass    |         |      |
|        |      | 13   | 24.27 | 0.47  | 24.74 | <=33.01 | Pass    |         |      |
|        |      | 25   | 24.26 | 0.47  | 24.73 | <=33.01 | Pass    |         |      |
|        | 50   | 0    | 24.24 | 0.47  | 24.71 | <=33.01 | Pass    |         |      |
| 256QAM | 2501 | 1    | 0     | 23.72 | 0.47  | 24.19   | <=33.01 | Pass    |      |
|        |      |      | 25    | 23.79 | 0.47  | 24.26   | <=33.01 | Pass    |      |
|        |      |      | 49    | 24.13 | 0.47  | 24.60   | <=33.01 | Pass    |      |
|        |      | 25   | 0     | 23.58 | 0.47  | 24.05   | <=33.01 | Pass    |      |
|        |      |      | 13    | 23.71 | 0.47  | 24.18   | <=33.01 | Pass    |      |
|        |      |      | 25    | 23.89 | 0.47  | 24.36   | <=33.01 | Pass    |      |
|        |      | 50   | 0     | 23.75 | 0.47  | 24.22   | <=33.01 | Pass    |      |
|        | 2593 | 1    | 0     | 23.91 | 0.47  | 24.38   | <=33.01 | Pass    |      |
|        |      |      | 25    | 24.03 | 0.47  | 24.50   | <=33.01 | Pass    |      |
|        |      |      | 49    | 23.95 | 0.47  | 24.42   | <=33.01 | Pass    |      |
|        | 25   | 0    | 23.94 | 0.47  | 24.41 | <=33.01 | Pass    |         |      |

|                                          |      |    |    |       |      |       |         |      |
|------------------------------------------|------|----|----|-------|------|-------|---------|------|
|                                          |      |    | 13 | 23.93 | 0.47 | 24.40 | <=33.01 | Pass |
|                                          |      |    | 25 | 23.92 | 0.47 | 24.39 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 23.95 | 0.47 | 24.42 | <=33.01 | Pass |
|                                          | 2685 | 1  | 0  | 23.52 | 0.47 | 23.99 | <=33.01 | Pass |
|                                          |      |    | 25 | 23.58 | 0.47 | 24.05 | <=33.01 | Pass |
|                                          |      |    | 49 | 24.17 | 0.47 | 24.64 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 23.37 | 0.47 | 23.84 | <=33.01 | Pass |
|                                          |      |    | 13 | 23.52 | 0.47 | 23.99 | <=33.01 | Pass |
|                                          |      |    | 25 | 23.73 | 0.47 | 24.20 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 23.56 | 0.47 | 24.03 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |    |    |       |      |       |         |      |

### 1.1.3 B41\_15MHz\_EIRP (ANT13)

| 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      | 23.86                 | 0.47       | 24.33      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.97                 | 0.47       | 24.44      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.94                 | 0.47       | 24.41      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 24.00                 | 0.47       | 24.47      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 23.96                 | 0.47       | 24.43      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 23.94                 | 0.47       | 24.41      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 23.98                 | 0.47       | 24.45      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 23.78                 | 0.47       | 24.25      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.78                 | 0.47       | 24.25      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.86                 | 0.47       | 24.33      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 23.85                 | 0.47       | 24.32      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 23.77                 | 0.47       | 24.24      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 23.79                 | 0.47       | 24.26      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 23.81                 | 0.47       | 24.28      | <=33.01 | Pass    |
|                                    | 2682.5          | 1             | 0      | 23.93                 | 0.47       | 24.40      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.97                 | 0.47       | 24.44      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 24.05                 | 0.47       | 24.52      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 24.00                 | 0.47       | 24.47      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 24.08                 | 0.47       | 24.55      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 24.09                 | 0.47       | 24.56      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 24.06                 | 0.47       | 24.53      | <=33.01 | Pass    |
| 16QAM                              | 2503.5          | 1             | 0      | 24.20                 | 0.47       | 24.67      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 24.36                 | 0.47       | 24.83      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 24.39                 | 0.47       | 24.86      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 24.01                 | 0.47       | 24.48      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 23.99                 | 0.47       | 24.46      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 23.99                 | 0.47       | 24.46      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 23.95                 | 0.47       | 24.42      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 24.13                 | 0.47       | 24.60      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 24.07                 | 0.47       | 24.54      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 24.13                 | 0.47       | 24.60      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 23.88                 | 0.47       | 24.35      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 23.80                 | 0.47       | 24.27      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 23.78                 | 0.47       | 24.25      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 23.78                 | 0.47       | 24.25      | <=33.01 | Pass    |
|                                    | 2682.5          | 1             | 0      | 24.21                 | 0.47       | 24.68      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 24.35                 | 0.47       | 24.82      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 24.48                 | 0.47       | 24.95      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 24.02                 | 0.47       | 24.49      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 24.04                 | 0.47       | 24.51      | <=33.01 | Pass    |

|                                          |        |        |        |       |       |         |         |         |         |
|------------------------------------------|--------|--------|--------|-------|-------|---------|---------|---------|---------|
|                                          |        |        | 39     | 24.09 | 0.47  | 24.56   | <=33.01 | Pass    |         |
|                                          |        | 75     | 0      | 24.06 | 0.47  | 24.53   | <=33.01 | Pass    |         |
| 64QAM                                    | 2503.5 | 1      | 0      | 24.18 | 0.47  | 24.65   | <=33.01 | Pass    |         |
|                                          |        |        | 38     | 24.06 | 0.47  | 24.53   | <=33.01 | Pass    |         |
|                                          |        |        | 74     | 24.09 | 0.47  | 24.56   | <=33.01 | Pass    |         |
|                                          |        |        | 0      | 24.01 | 0.47  | 24.48   | <=33.01 | Pass    |         |
|                                          |        | 36     | 18     | 23.94 | 0.47  | 24.41   | <=33.01 | Pass    |         |
|                                          |        |        | 39     | 23.94 | 0.47  | 24.41   | <=33.01 | Pass    |         |
|                                          |        |        | 75     | 0     | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |
|                                          |        | 2593   | 1      | 0     | 23.97 | 0.47    | 24.44   | <=33.01 | Pass    |
|                                          |        |        |        | 38    | 23.86 | 0.47    | 24.33   | <=33.01 | Pass    |
|                                          |        |        |        | 74    | 24.03 | 0.47    | 24.50   | <=33.01 | Pass    |
|                                          | 0      |        |        | 23.88 | 0.47  | 24.35   | <=33.01 | Pass    |         |
|                                          | 36     |        | 18     | 23.77 | 0.47  | 24.24   | <=33.01 | Pass    |         |
|                                          |        |        | 39     | 23.81 | 0.47  | 24.28   | <=33.01 | Pass    |         |
|                                          | 75     |        | 0      | 23.79 | 0.47  | 24.26   | <=33.01 | Pass    |         |
|                                          | 2682.5 | 1      | 0      | 24.15 | 0.47  | 24.62   | <=33.01 | Pass    |         |
|                                          |        |        | 38     | 24.11 | 0.47  | 24.58   | <=33.01 | Pass    |         |
|                                          |        |        | 74     | 24.12 | 0.47  | 24.59   | <=33.01 | Pass    |         |
|                                          |        |        | 0      | 24.00 | 0.47  | 24.47   | <=33.01 | Pass    |         |
|                                          |        | 36     | 18     | 24.03 | 0.47  | 24.50   | <=33.01 | Pass    |         |
|                                          |        |        | 39     | 24.03 | 0.47  | 24.50   | <=33.01 | Pass    |         |
|                                          |        |        | 75     | 0     | 24.03 | 0.47    | 24.50   | <=33.01 | Pass    |
|                                          |        | 256QAM | 2503.5 | 1     | 0     | 23.68   | 0.47    | 24.15   | <=33.01 |
|                                          | 38     |        |        |       | 23.99 | 0.47    | 24.46   | <=33.01 | Pass    |
| 74                                       | 24.09  |        |        |       | 0.47  | 24.56   | <=33.01 | Pass    |         |
| 36                                       | 0      |        |        | 23.57 | 0.47  | 24.04   | <=33.01 | Pass    |         |
|                                          | 18     |        |        | 23.77 | 0.47  | 24.24   | <=33.01 | Pass    |         |
|                                          | 39     |        |        | 23.93 | 0.47  | 24.40   | <=33.01 | Pass    |         |
| 75                                       | 0      |        |        | 23.82 | 0.47  | 24.29   | <=33.01 | Pass    |         |
| 2593                                     | 1      |        | 0      | 23.93 | 0.47  | 24.40   | <=33.01 | Pass    |         |
|                                          |        |        | 38     | 23.90 | 0.47  | 24.37   | <=33.01 | Pass    |         |
|                                          |        |        | 74     | 23.93 | 0.47  | 24.40   | <=33.01 | Pass    |         |
|                                          | 36     |        | 0      | 23.83 | 0.47  | 24.30   | <=33.01 | Pass    |         |
|                                          |        |        | 18     | 23.71 | 0.47  | 24.18   | <=33.01 | Pass    |         |
|                                          |        |        | 39     | 23.74 | 0.47  | 24.21   | <=33.01 | Pass    |         |
| 2682.5                                   | 1      |        | 0      | 23.73 | 0.47  | 24.20   | <=33.01 | Pass    |         |
|                                          |        |        | 0      | 23.15 | 0.47  | 23.62   | <=33.01 | Pass    |         |
|                                          |        |        | 38     | 23.39 | 0.47  | 23.86   | <=33.01 | Pass    |         |
|                                          | 36     |        | 74     | 24.15 | 0.47  | 24.62   | <=33.01 | Pass    |         |
|                                          |        |        | 0      | 23.08 | 0.47  | 23.55   | <=33.01 | Pass    |         |
|                                          |        |        | 18     | 23.27 | 0.47  | 23.74   | <=33.01 | Pass    |         |
|                                          | 39     |        | 23.56  | 0.47  | 24.03 | <=33.01 | Pass    |         |         |
| 75                                       | 0      |        | 23.34  | 0.47  | 23.81 | <=33.01 | Pass    |         |         |
| Note1: EIRP=Conducted Power+Antenna Gain |        |        |        |       |       |         |         |         |         |

#### 1.1.4 B41\_20MHz\_EIRP (ANT13)

| Band: 41 / Bandwidth: 20MHz / NTV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2506            | 1             | 0      | 23.85                 | 0.47       | 24.32      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.92                 | 0.47       | 24.39      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.86                 | 0.47       | 24.33      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 24.05                 | 0.47       | 24.52      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 24.05                 | 0.47       | 24.52      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 24.01                 | 0.47       | 24.48      | <=33.01 | Pass    |

|        |       |      |       |       |         |         |         |         |      |
|--------|-------|------|-------|-------|---------|---------|---------|---------|------|
|        |       | 100  | 0     | 24.07 | 0.47    | 24.54   | <=33.01 | Pass    |      |
|        | 2593  | 1    | 0     | 23.87 | 0.47    | 24.34   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.85 | 0.47    | 24.32   | <=33.01 | Pass    |      |
|        |       |      | 99    | 23.86 | 0.47    | 24.33   | <=33.01 | Pass    |      |
|        |       |      | 0     | 23.87 | 0.47    | 24.34   | <=33.01 | Pass    |      |
|        |       | 50   | 25    | 23.84 | 0.47    | 24.31   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.80 | 0.47    | 24.27   | <=33.01 | Pass    |      |
|        |       |      | 100   | 0     | 23.80   | 0.47    | 24.27   | <=33.01 | Pass |
|        | 2680  | 1    | 0     | 23.94 | 0.47    | 24.41   | <=33.01 | Pass    |      |
|        |       |      | 50    | 24.03 | 0.47    | 24.50   | <=33.01 | Pass    |      |
|        |       |      | 99    | 24.13 | 0.47    | 24.60   | <=33.01 | Pass    |      |
|        |       | 50   | 0     | 24.04 | 0.47    | 24.51   | <=33.01 | Pass    |      |
|        |       |      | 25    | 24.11 | 0.47    | 24.58   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |      |
|        |       | 100  | 0     | 24.08 | 0.47    | 24.55   | <=33.01 | Pass    |      |
|        | 16QAM | 2506 | 1     | 0     | 24.29   | 0.47    | 24.76   | <=33.01 | Pass |
| 50     |       |      |       | 24.20 | 0.47    | 24.67   | <=33.01 | Pass    |      |
| 99     |       |      |       | 24.15 | 0.47    | 24.62   | <=33.01 | Pass    |      |
| 50     |       |      | 0     | 24.06 | 0.47    | 24.53   | <=33.01 | Pass    |      |
|        |       |      | 25    | 24.10 | 0.47    | 24.57   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |      |
| 100    |       |      | 0     | 24.04 | 0.47    | 24.51   | <=33.01 | Pass    |      |
| 2593   |       | 1    | 0     | 24.24 | 0.47    | 24.71   | <=33.01 | Pass    |      |
|        |       |      | 50    | 24.17 | 0.47    | 24.64   | <=33.01 | Pass    |      |
|        |       |      | 99    | 24.08 | 0.47    | 24.55   | <=33.01 | Pass    |      |
|        |       | 50   | 0     | 23.85 | 0.47    | 24.32   | <=33.01 | Pass    |      |
|        |       |      | 25    | 23.83 | 0.47    | 24.30   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.84 | 0.47    | 24.31   | <=33.01 | Pass    |      |
|        |       | 100  | 0     | 23.79 | 0.47    | 24.26   | <=33.01 | Pass    |      |
| 2680   |       | 1    | 0     | 24.21 | 0.47    | 24.68   | <=33.01 | Pass    |      |
|        |       |      | 50    | 24.24 | 0.47    | 24.71   | <=33.01 | Pass    |      |
|        |       |      | 99    | 24.26 | 0.47    | 24.73   | <=33.01 | Pass    |      |
|        |       | 50   | 0     | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |      |
|        |       |      | 25    | 24.05 | 0.47    | 24.52   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |      |
|        |       | 100  | 0     | 24.00 | 0.47    | 24.47   | <=33.01 | Pass    |      |
| 64QAM  |       | 2506 | 1     | 0     | 24.09   | 0.47    | 24.56   | <=33.01 | Pass |
|        |       |      |       | 50    | 24.17   | 0.47    | 24.64   | <=33.01 | Pass |
|        |       |      |       | 99    | 23.99   | 0.47    | 24.46   | <=33.01 | Pass |
|        | 50    |      | 0     | 24.00 | 0.47    | 24.47   | <=33.01 | Pass    |      |
|        |       |      | 25    | 24.06 | 0.47    | 24.53   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |      |
|        | 100   |      | 0     | 24.05 | 0.47    | 24.52   | <=33.01 | Pass    |      |
|        | 2593  | 1    | 0     | 23.92 | 0.47    | 24.39   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.86 | 0.47    | 24.33   | <=33.01 | Pass    |      |
|        |       |      | 99    | 23.92 | 0.47    | 24.39   | <=33.01 | Pass    |      |
|        |       | 50   | 0     | 23.88 | 0.47    | 24.35   | <=33.01 | Pass    |      |
|        |       |      | 25    | 23.83 | 0.47    | 24.30   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.80 | 0.47    | 24.27   | <=33.01 | Pass    |      |
|        |       | 100  | 0     | 23.78 | 0.47    | 24.25   | <=33.01 | Pass    |      |
|        | 2680  | 1    | 0     | 24.13 | 0.47    | 24.60   | <=33.01 | Pass    |      |
|        |       |      | 50    | 24.02 | 0.47    | 24.49   | <=33.01 | Pass    |      |
|        |       |      | 99    | 24.34 | 0.47    | 24.81   | <=33.01 | Pass    |      |
|        |       | 50   | 0     | 23.97 | 0.47    | 24.44   | <=33.01 | Pass    |      |
|        |       |      | 25    | 24.02 | 0.47    | 24.49   | <=33.01 | Pass    |      |
|        |       |      | 50    | 23.98 | 0.47    | 24.45   | <=33.01 | Pass    |      |
| 100    |       | 0    | 24.02 | 0.47  | 24.49   | <=33.01 | Pass    |         |      |
| 256QAM | 2506  | 1    | 0     | 23.82 | 0.47    | 24.29   | <=33.01 | Pass    |      |
| 50     | 24.05 |      | 0.47  | 24.52 | <=33.01 | Pass    |         |         |      |

|                                          |      |     |    |       |      |       |         |      |
|------------------------------------------|------|-----|----|-------|------|-------|---------|------|
|                                          |      |     | 99 | 23.96 | 0.47 | 24.43 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 23.75 | 0.47 | 24.22 | <=33.01 | Pass |
|                                          |      |     | 25 | 23.96 | 0.47 | 24.43 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.96 | 0.47 | 24.43 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 23.99 | 0.47 | 24.46 | <=33.01 | Pass |
|                                          | 2593 | 1   | 0  | 24.04 | 0.47 | 24.51 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.85 | 0.47 | 24.32 | <=33.01 | Pass |
|                                          |      |     | 99 | 23.91 | 0.47 | 24.38 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 23.85 | 0.47 | 24.32 | <=33.01 | Pass |
|                                          |      |     | 25 | 23.75 | 0.47 | 24.22 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.70 | 0.47 | 24.17 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 23.72 | 0.47 | 24.19 | <=33.01 | Pass |
|                                          | 2680 | 1   | 0  | 23.22 | 0.47 | 23.69 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.20 | 0.47 | 23.67 | <=33.01 | Pass |
|                                          |      |     | 99 | 24.07 | 0.47 | 24.54 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 22.99 | 0.47 | 23.46 | <=33.01 | Pass |
|                                          |      |     | 25 | 23.16 | 0.47 | 23.63 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.55 | 0.47 | 24.02 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 23.28 | 0.47 | 23.75 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |     |    |       |      |       |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B41\_20MHz

| Band: 41 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |       |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |       | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit |         |
| QPSK                        | 2506            | 100           | 0      | 20         | 3.7           | 9.200            | 0.0037                | /     | Pass    |
|                             |                 |               |        |            | 3.91          | 3.600            | 0.0014                | /     | Pass    |
|                             |                 |               |        |            | 4.4           | 2.200            | 0.0009                | /     | Pass    |
|                             |                 |               |        | -30        | 3.91          | -0.500           | -0.0002               | /     | Pass    |
|                             |                 |               |        | -20        | 3.91          | 2.000            | 0.0008                | /     | Pass    |
|                             |                 |               |        | -10        | 3.91          | 2.000            | 0.0008                | /     | Pass    |
|                             |                 |               |        | 0          | 3.91          | 1.300            | 0.0005                | /     | Pass    |
|                             |                 |               |        | 10         | 3.91          | 0.600            | 0.0002                | /     | Pass    |
|                             |                 |               |        | 30         | 3.91          | 5.100            | 0.0020                | /     | Pass    |
|                             |                 |               |        | 40         | 3.91          | 2.100            | 0.0008                | /     | Pass    |
|                             |                 |               |        | 50         | 3.91          | 1.700            | 0.0007                | /     | Pass    |
|                             | 2593            | 100           | 0      | 20         | 3.7           | 0.800            | 0.0003                | /     | Pass    |
|                             |                 |               |        |            | 3.91          | 3.100            | 0.0012                | /     | Pass    |
|                             |                 |               |        |            | 4.4           | 1.100            | 0.0004                | /     | Pass    |
|                             |                 |               |        | -30        | 3.91          | 1.900            | 0.0007                | /     | Pass    |
|                             |                 |               |        | -20        | 3.91          | -0.400           | -0.0002               | /     | Pass    |
|                             |                 |               |        | -10        | 3.91          | 2.200            | 0.0008                | /     | Pass    |
|                             |                 |               |        | 0          | 3.91          | -0.200           | -0.0001               | /     | Pass    |
|                             |                 |               |        | 10         | 3.91          | 1.200            | 0.0005                | /     | Pass    |
|                             |                 |               |        | 30         | 3.91          | 1.800            | 0.0007                | /     | Pass    |
|                             |                 |               |        | 40         | 3.91          | 0.900            | 0.0003                | /     | Pass    |
|                             |                 |               |        | 50         | 3.91          | -1.200           | -0.0005               | /     | Pass    |
|                             | 2680            | 100           | 0      | 20         | 3.7           | 4.100            | 0.0015                | /     | Pass    |
|                             |                 |               |        |            | 3.91          | 3.200            | 0.0012                | /     | Pass    |
|                             |                 |               |        |            | 4.4           | 1.400            | 0.0005                | /     | Pass    |
|                             |                 |               |        | -30        | 3.91          | 5.600            | 0.0021                | /     | Pass    |

|       |      |     |   |     |      |         |         |   |      |
|-------|------|-----|---|-----|------|---------|---------|---|------|
|       |      |     |   | -20 | 3.91 | 2.700   | 0.0010  | / | Pass |
|       |      |     |   | -10 | 3.91 | 3.000   | 0.0011  | / | Pass |
|       |      |     |   | 0   | 3.91 | 2.400   | 0.0009  | / | Pass |
|       |      |     |   | 10  | 3.91 | 5.400   | 0.0020  | / | Pass |
|       |      |     |   | 30  | 3.91 | 1.900   | 0.0007  | / | Pass |
|       |      |     |   | 40  | 3.91 | 2.500   | 0.0009  | / | Pass |
|       |      |     |   | 50  | 3.91 | 5.000   | 0.0019  | / | Pass |
| 16QAM | 2506 | 100 | 0 | 20  | 3.7  | -1.700  | -0.0007 | / | Pass |
|       |      |     |   |     | 3.91 | -0.700  | -0.0003 | / | Pass |
|       |      |     |   |     | 4.4  | 0.000   | 0.0000  | / | Pass |
|       |      |     |   | -30 | 3.91 | 2.500   | 0.0010  | / | Pass |
|       |      |     |   | -20 | 3.91 | 1.000   | 0.0004  | / | Pass |
|       |      |     |   | -10 | 3.91 | 0.300   | 0.0001  | / | Pass |
|       |      |     |   | 0   | 3.91 | 2.500   | 0.0010  | / | Pass |
|       |      |     |   | 10  | 3.91 | 1.200   | 0.0005  | / | Pass |
|       |      |     |   | 30  | 3.91 | 1.500   | 0.0006  | / | Pass |
|       |      |     |   | 40  | 3.91 | 2.400   | 0.0010  | / | Pass |
|       |      |     |   | 50  | 3.91 | 1.800   | 0.0007  | / | Pass |
|       | 2593 | 100 | 0 | 20  | 3.7  | 2.800   | 0.0011  | / | Pass |
|       |      |     |   |     | 3.91 | -1.700  | -0.0007 | / | Pass |
|       |      |     |   |     | 4.4  | 3.900   | 0.0015  | / | Pass |
|       |      |     |   | -30 | 3.91 | 0.000   | 0.0000  | / | Pass |
|       |      |     |   | -20 | 3.91 | 3.500   | 0.0013  | / | Pass |
|       |      |     |   | -10 | 3.91 | 1.600   | 0.0006  | / | Pass |
|       |      |     |   | 0   | 3.91 | 2.200   | 0.0008  | / | Pass |
|       |      |     |   | 10  | 3.91 | 0.400   | 0.0002  | / | Pass |
|       |      |     |   | 30  | 3.91 | -0.400  | -0.0002 | / | Pass |
|       |      |     |   | 40  | 3.91 | 3.700   | 0.0014  | / | Pass |
|       |      |     |   | 50  | 3.91 | 0.800   | 0.0003  | / | Pass |
|       | 2680 | 100 | 0 | 20  | 3.7  | 2.700   | 0.0010  | / | Pass |
|       |      |     |   |     | 3.91 | 2.900   | 0.0011  | / | Pass |
|       |      |     |   |     | 4.4  | 2.300   | 0.0009  | / | Pass |
|       |      |     |   | -30 | 3.91 | 2.500   | 0.0009  | / | Pass |
|       |      |     |   | -20 | 3.91 | 1.400   | 0.0005  | / | Pass |
|       |      |     |   | -10 | 3.91 | 2.000   | 0.0007  | / | Pass |
|       |      |     |   | 0   | 3.91 | 1.600   | 0.0006  | / | Pass |
|       |      |     |   | 10  | 3.91 | -0.300  | -0.0001 | / | Pass |
|       |      |     |   | 30  | 3.91 | 4.600   | 0.0017  | / | Pass |
|       |      |     |   | 40  | 3.91 | 4.500   | 0.0017  | / | Pass |
|       |      |     |   | 50  | 3.91 | 0.800   | 0.0003  | / | Pass |
| 64QAM | 2506 | 100 | 0 | 20  | 3.7  | 0.800   | 0.0003  | / | Pass |
|       |      |     |   |     | 3.91 | -17.900 | -0.0071 | / | Pass |
|       |      |     |   |     | 4.4  | -15.200 | -0.0061 | / | Pass |
|       |      |     |   | -30 | 3.91 | 2.200   | 0.0009  | / | Pass |
|       |      |     |   | -20 | 3.91 | -16.700 | -0.0067 | / | Pass |
|       |      |     |   | -10 | 3.91 | 15.600  | 0.0062  | / | Pass |
|       |      |     |   | 0   | 3.91 | -5.500  | -0.0022 | / | Pass |
|       |      |     |   | 10  | 3.91 | 1.600   | 0.0006  | / | Pass |
|       |      |     |   | 30  | 3.91 | -0.600  | -0.0002 | / | Pass |
|       |      |     |   | 40  | 3.91 | -6.600  | -0.0026 | / | Pass |
|       |      |     |   | 50  | 3.91 | 12.700  | 0.0051  | / | Pass |
|       | 2593 | 100 | 0 | 20  | 3.7  | -0.600  | -0.0002 | / | Pass |
|       |      |     |   |     | 3.91 | -12.700 | -0.0049 | / | Pass |
|       |      |     |   |     | 4.4  | 5.200   | 0.0020  | / | Pass |
|       |      |     |   | -30 | 3.91 | -10.200 | -0.0039 | / | Pass |
|       |      |     |   | -20 | 3.91 | 4.900   | 0.0019  | / | Pass |
|       |      |     |   | -10 | 3.91 | 10.000  | 0.0039  | / | Pass |
|       |      |     |   | 0   | 3.91 | 3.100   | 0.0012  | / | Pass |
|       |      |     |   | 10  | 3.91 | -3.900  | -0.0015 | / | Pass |

|        |      |     |   |     |      |        |         |   |      |
|--------|------|-----|---|-----|------|--------|---------|---|------|
|        |      |     |   | 30  | 3.91 | -1.400 | -0.0005 | / | Pass |
|        |      |     |   | 40  | 3.91 | 16.500 | 0.0064  | / | Pass |
|        |      |     |   | 50  | 3.91 | 11.100 | 0.0043  | / | Pass |
|        | 2680 | 100 | 0 | 20  | 3.7  | -9.300 | -0.0035 | / | Pass |
|        |      |     |   |     | 3.91 | 15.200 | 0.0057  | / | Pass |
|        |      |     |   |     | 4.4  | -5.600 | -0.0021 | / | Pass |
|        |      |     |   | -30 | 3.91 | 6.200  | 0.0023  | / | Pass |
|        |      |     |   | -20 | 3.91 | 12.900 | 0.0048  | / | Pass |
|        |      |     |   | -10 | 3.91 | 2.300  | 0.0009  | / | Pass |
|        |      |     |   | 0   | 3.91 | -8.000 | -0.0030 | / | Pass |
|        |      |     |   | 10  | 3.91 | -3.200 | -0.0012 | / | Pass |
|        |      |     |   | 30  | 3.91 | 5.400  | 0.0020  | / | Pass |
|        |      |     |   | 40  | 3.91 | -5.100 | -0.0019 | / | Pass |
|        |      |     |   | 50  | 3.91 | 5.200  | 0.0019  | / | Pass |
| 256QAM | 2506 | 100 | 0 | 20  | 3.7  | 2.000  | 0.0008  | / | Pass |
|        |      |     |   |     | 3.91 | 0.700  | 0.0003  | / | Pass |
|        |      |     |   |     | 4.4  | 4.100  | 0.0016  | / | Pass |
|        |      |     |   | -30 | 3.91 | -0.300 | -0.0001 | / | Pass |
|        |      |     |   | -20 | 3.91 | 0.900  | 0.0004  | / | Pass |
|        |      |     |   | -10 | 3.91 | 2.600  | 0.0010  | / | Pass |
|        |      |     |   | 0   | 3.91 | 1.100  | 0.0004  | / | Pass |
|        |      |     |   | 10  | 3.91 | 3.500  | 0.0014  | / | Pass |
|        |      |     |   | 30  | 3.91 | 1.600  | 0.0006  | / | Pass |
|        |      |     |   | 40  | 3.91 | 2.900  | 0.0012  | / | Pass |
|        |      |     |   | 50  | 3.91 | 2.600  | 0.0010  | / | Pass |
|        | 2593 | 100 | 0 | 20  | 3.7  | 1.000  | 0.0004  | / | Pass |
|        |      |     |   |     | 3.91 | 3.200  | 0.0012  | / | Pass |
|        |      |     |   |     | 4.4  | -1.100 | -0.0004 | / | Pass |
|        |      |     |   | -30 | 3.91 | 0.100  | 0.0000  | / | Pass |
|        |      |     |   | -20 | 3.91 | 0.600  | 0.0002  | / | Pass |
|        |      |     |   | -10 | 3.91 | 0.700  | 0.0003  | / | Pass |
|        |      |     |   | 0   | 3.91 | 0.300  | 0.0001  | / | Pass |
|        |      |     |   | 10  | 3.91 | 3.200  | 0.0012  | / | Pass |
|        |      |     |   | 30  | 3.91 | 0.400  | 0.0002  | / | Pass |
|        |      |     |   | 40  | 3.91 | 1.600  | 0.0006  | / | Pass |
|        |      |     |   | 50  | 3.91 | 1.700  | 0.0007  | / | Pass |
|        | 2680 | 100 | 0 | 20  | 3.7  | 3.900  | 0.0015  | / | Pass |
|        |      |     |   |     | 3.91 | 5.000  | 0.0019  | / | Pass |
|        |      |     |   |     | 4.4  | 2.400  | 0.0009  | / | Pass |
|        |      |     |   | -30 | 3.91 | 5.300  | 0.0020  | / | Pass |
|        |      |     |   | -20 | 3.91 | 1.500  | 0.0006  | / | Pass |
|        |      |     |   | -10 | 3.91 | 1.600  | 0.0006  | / | Pass |
|        |      |     |   | 0   | 3.91 | 2.900  | 0.0011  | / | Pass |
|        |      |     |   | 10  | 3.91 | 0.700  | 0.0003  | / | Pass |
|        |      |     |   | 30  | 3.91 | 2.900  | 0.0011  | / | Pass |
|        |      |     |   | 40  | 3.91 | 2.500  | 0.0009  | / | Pass |
|        |      |     |   | 50  | 3.91 | 1.900  | 0.0007  | / | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band41\_OBW

| Band: 41 / NTNV |            |           |               |                              |         |
|-----------------|------------|-----------|---------------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency | RB Allocation | 99% Occupied Bandwidth (MHz) | Verdict |

|    |        | (MHz)  | Size | Offset | Result | Limit |      |
|----|--------|--------|------|--------|--------|-------|------|
| 5  | QPSK   | 2498.5 | 25   | 0      | 4.559  | /     | Pass |
|    |        | 2593   | 25   | 0      | 4.579  | /     | Pass |
|    |        | 2687.5 | 25   | 0      | 4.563  | /     | Pass |
|    | 16QAM  | 2498.5 | 25   | 0      | 4.563  | /     | Pass |
|    |        | 2593   | 25   | 0      | 4.571  | /     | Pass |
|    |        | 2687.5 | 25   | 0      | 4.558  | /     | Pass |
|    | 64QAM  | 2498.5 | 25   | 0      | 4.578  | /     | Pass |
|    |        | 2593   | 25   | 0      | 4.566  | /     | Pass |
|    |        | 2687.5 | 25   | 0      | 4.557  | /     | Pass |
|    | 256QAM | 2498.5 | 25   | 0      | 4.562  | /     | Pass |
|    |        | 2593   | 25   | 0      | 4.560  | /     | Pass |
|    |        | 2687.5 | 25   | 0      | 4.574  | /     | Pass |
| 10 | QPSK   | 2501   | 50   | 0      | 9.064  | /     | Pass |
|    |        | 2593   | 50   | 0      | 9.096  | /     | Pass |
|    |        | 2685   | 50   | 0      | 9.110  | /     | Pass |
|    | 16QAM  | 2501   | 50   | 0      | 9.096  | /     | Pass |
|    |        | 2593   | 50   | 0      | 9.073  | /     | Pass |
|    |        | 2685   | 50   | 0      | 9.065  | /     | Pass |
|    | 64QAM  | 2501   | 50   | 0      | 9.106  | /     | Pass |
|    |        | 2593   | 50   | 0      | 9.093  | /     | Pass |
|    |        | 2685   | 50   | 0      | 9.114  | /     | Pass |
|    | 256QAM | 2501   | 50   | 0      | 9.091  | /     | Pass |
|    |        | 2593   | 50   | 0      | 9.089  | /     | Pass |
|    |        | 2685   | 50   | 0      | 9.093  | /     | Pass |
| 15 | QPSK   | 2503.5 | 75   | 0      | 13.614 | /     | Pass |
|    |        | 2593   | 75   | 0      | 13.680 | /     | Pass |
|    |        | 2682.5 | 75   | 0      | 13.616 | /     | Pass |
|    | 16QAM  | 2503.5 | 75   | 0      | 13.660 | /     | Pass |
|    |        | 2593   | 75   | 0      | 13.587 | /     | Pass |
|    |        | 2682.5 | 75   | 0      | 13.639 | /     | Pass |
|    | 64QAM  | 2503.5 | 75   | 0      | 13.645 | /     | Pass |
|    |        | 2593   | 75   | 0      | 13.614 | /     | Pass |
|    |        | 2682.5 | 75   | 0      | 13.655 | /     | Pass |
|    | 256QAM | 2503.5 | 75   | 0      | 13.617 | /     | Pass |
|    |        | 2593   | 75   | 0      | 13.628 | /     | Pass |
|    |        | 2682.5 | 75   | 0      | 13.619 | /     | Pass |
| 20 | QPSK   | 2506   | 100  | 0      | 18.144 | /     | Pass |
|    |        | 2593   | 100  | 0      | 18.183 | /     | Pass |
|    |        | 2680   | 100  | 0      | 18.142 | /     | Pass |
|    | 16QAM  | 2506   | 100  | 0      | 18.204 | /     | Pass |
|    |        | 2593   | 100  | 0      | 18.170 | /     | Pass |
|    |        | 2680   | 100  | 0      | 18.193 | /     | Pass |
|    | 64QAM  | 2506   | 100  | 0      | 18.125 | /     | Pass |
|    |        | 2593   | 100  | 0      | 18.161 | /     | Pass |
|    |        | 2680   | 100  | 0      | 18.159 | /     | Pass |
|    | 256QAM | 2506   | 100  | 0      | 18.154 | /     | Pass |
|    |        | 2593   | 100  | 0      | 18.160 | /     | Pass |
|    |        | 2680   | 100  | 0      | 18.137 | /     | Pass |

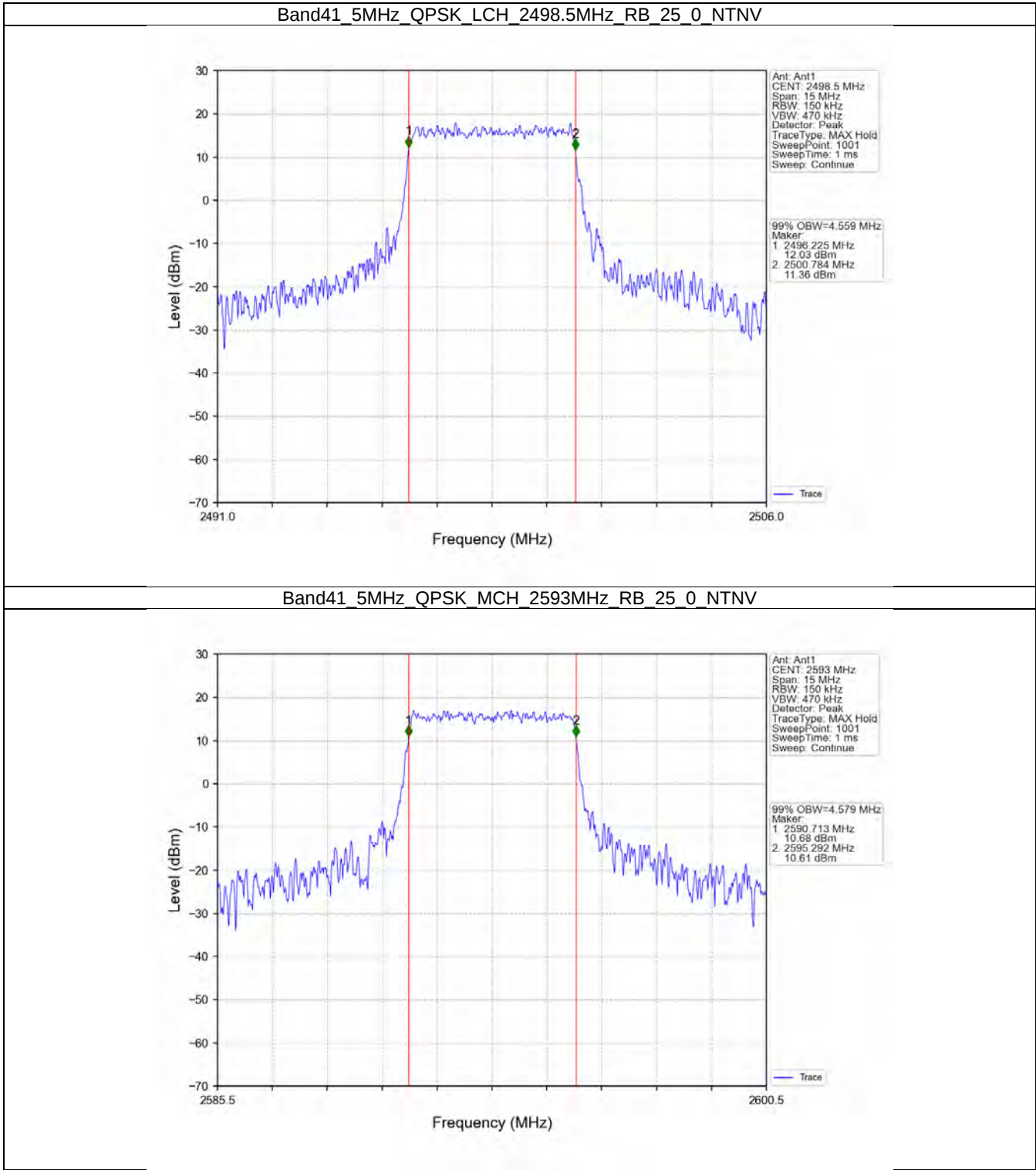
### 3.1.2 Band41\_XDB

| Band: 41 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2498.5          | 25            | 0      | 5.778                | /     | Pass    |
|                 |            | 2593            | 25            | 0      | 5.785                | /     | Pass    |

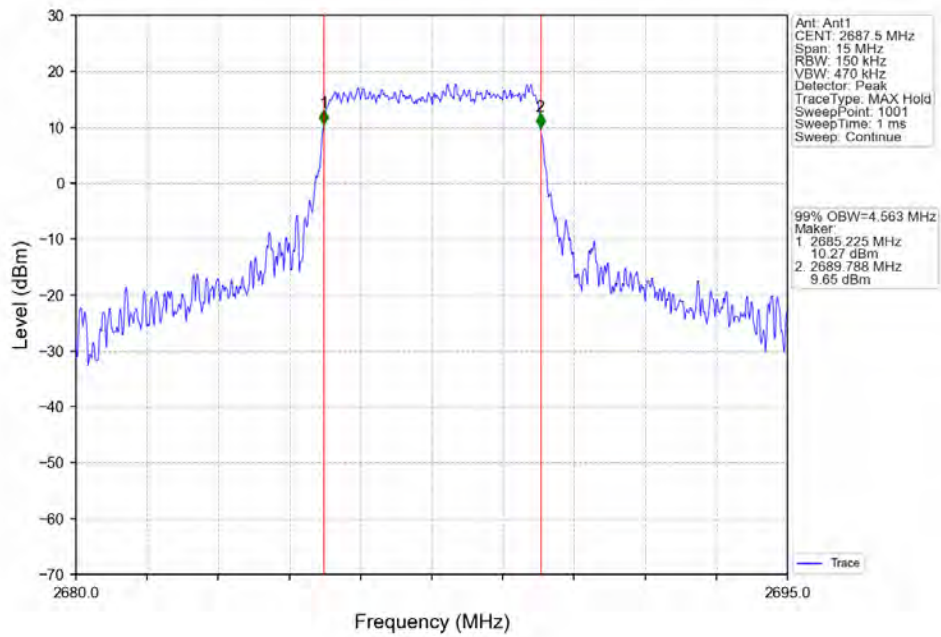
|    |        |        |     |   |        |   |      |
|----|--------|--------|-----|---|--------|---|------|
|    | 16QAM  | 2687.5 | 25  | 0 | 5.731  | / | Pass |
|    |        | 2498.5 | 25  | 0 | 5.310  | / | Pass |
|    |        | 2593   | 25  | 0 | 5.601  | / | Pass |
|    |        | 2687.5 | 25  | 0 | 5.327  | / | Pass |
|    | 64QAM  | 2498.5 | 25  | 0 | 5.811  | / | Pass |
|    |        | 2593   | 25  | 0 | 5.306  | / | Pass |
|    |        | 2687.5 | 25  | 0 | 5.253  | / | Pass |
|    | 256QAM | 2498.5 | 25  | 0 | 5.539  | / | Pass |
|    |        | 2593   | 25  | 0 | 5.486  | / | Pass |
|    |        | 2687.5 | 25  | 0 | 5.178  | / | Pass |
| 10 | QPSK   | 2501   | 50  | 0 | 10.724 | / | Pass |
|    |        | 2593   | 50  | 0 | 11.084 | / | Pass |
|    |        | 2685   | 50  | 0 | 10.706 | / | Pass |
|    | 16QAM  | 2501   | 50  | 0 | 11.859 | / | Pass |
|    |        | 2593   | 50  | 0 | 10.834 | / | Pass |
|    |        | 2685   | 50  | 0 | 10.796 | / | Pass |
|    | 64QAM  | 2501   | 50  | 0 | 11.344 | / | Pass |
|    |        | 2593   | 50  | 0 | 11.397 | / | Pass |
|    |        | 2685   | 50  | 0 | 10.858 | / | Pass |
|    | 256QAM | 2501   | 50  | 0 | 10.767 | / | Pass |
|    |        | 2593   | 50  | 0 | 10.965 | / | Pass |
|    |        | 2685   | 50  | 0 | 11.009 | / | Pass |
| 15 | QPSK   | 2503.5 | 75  | 0 | 16.185 | / | Pass |
|    |        | 2593   | 75  | 0 | 16.267 | / | Pass |
|    |        | 2682.5 | 75  | 0 | 15.512 | / | Pass |
|    | 16QAM  | 2503.5 | 75  | 0 | 16.053 | / | Pass |
|    |        | 2593   | 75  | 0 | 15.645 | / | Pass |
|    |        | 2682.5 | 75  | 0 | 15.844 | / | Pass |
|    | 64QAM  | 2503.5 | 75  | 0 | 15.438 | / | Pass |
|    |        | 2593   | 75  | 0 | 17.451 | / | Pass |
|    |        | 2682.5 | 75  | 0 | 15.583 | / | Pass |
|    | 256QAM | 2503.5 | 75  | 0 | 14.959 | / | Pass |
|    |        | 2593   | 75  | 0 | 16.204 | / | Pass |
|    |        | 2682.5 | 75  | 0 | 15.645 | / | Pass |
| 20 | QPSK   | 2506   | 100 | 0 | 21.077 | / | Pass |
|    |        | 2593   | 100 | 0 | 22.028 | / | Pass |
|    |        | 2680   | 100 | 0 | 21.117 | / | Pass |
|    | 16QAM  | 2506   | 100 | 0 | 21.194 | / | Pass |
|    |        | 2593   | 100 | 0 | 23.136 | / | Pass |
|    |        | 2680   | 100 | 0 | 21.664 | / | Pass |
|    | 64QAM  | 2506   | 100 | 0 | 21.086 | / | Pass |
|    |        | 2593   | 100 | 0 | 21.289 | / | Pass |
|    |        | 2680   | 100 | 0 | 21.116 | / | Pass |
|    | 256QAM | 2506   | 100 | 0 | 21.743 | / | Pass |
|    |        | 2593   | 100 | 0 | 22.719 | / | Pass |
|    |        | 2680   | 100 | 0 | 23.568 | / | Pass |

3.2 Test Graph

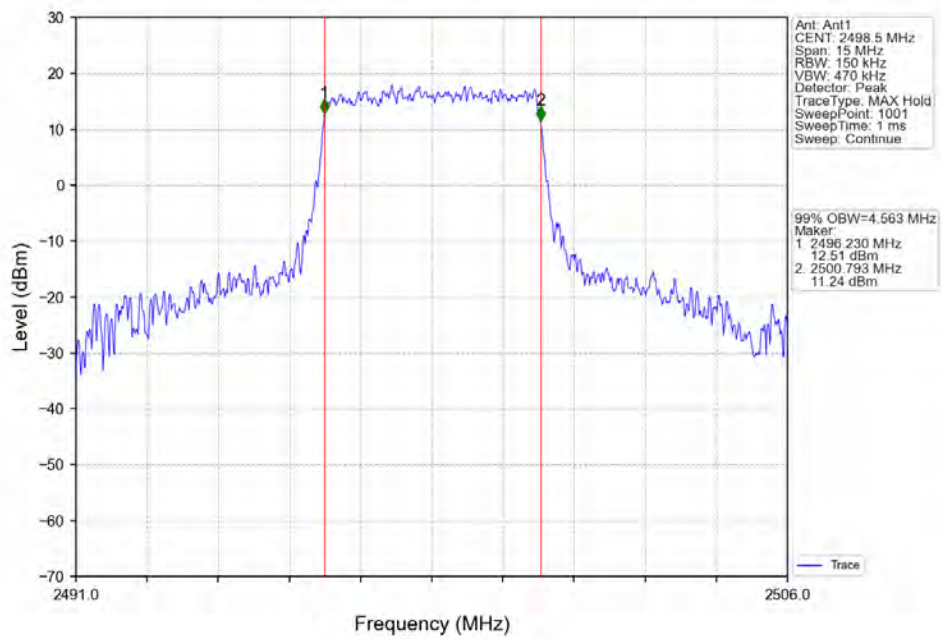
3.2.1 Band41\_OBW



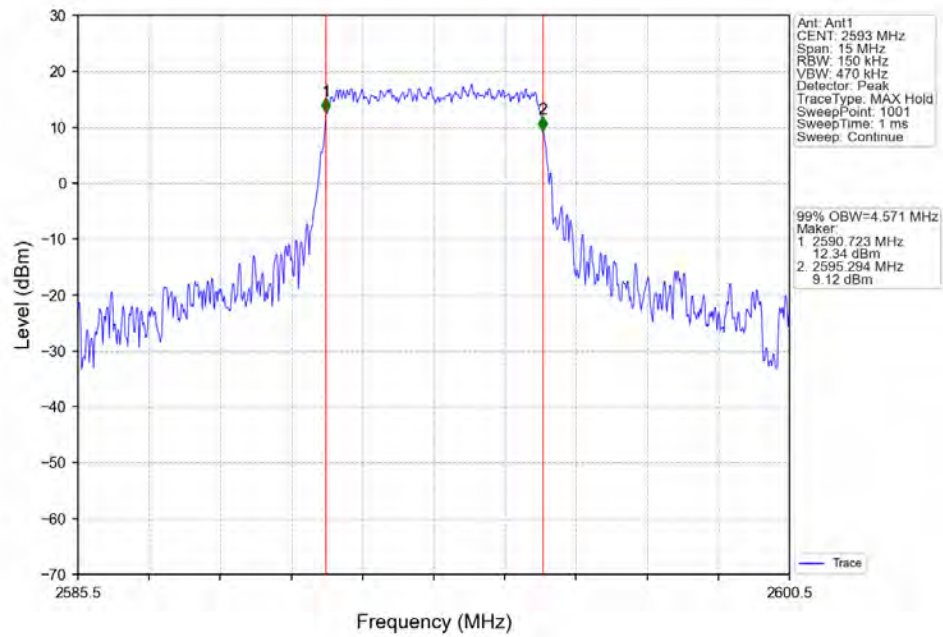
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



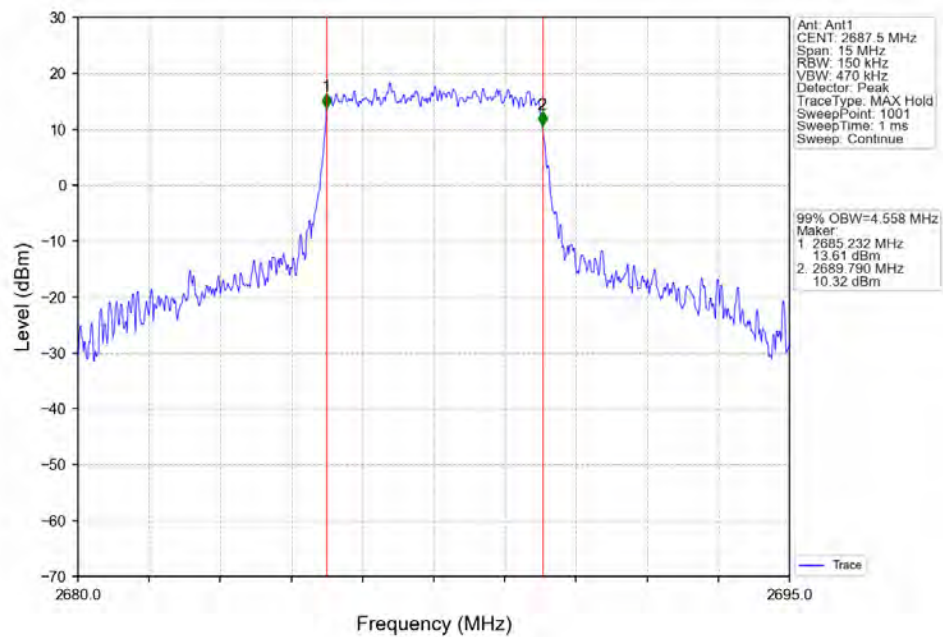
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



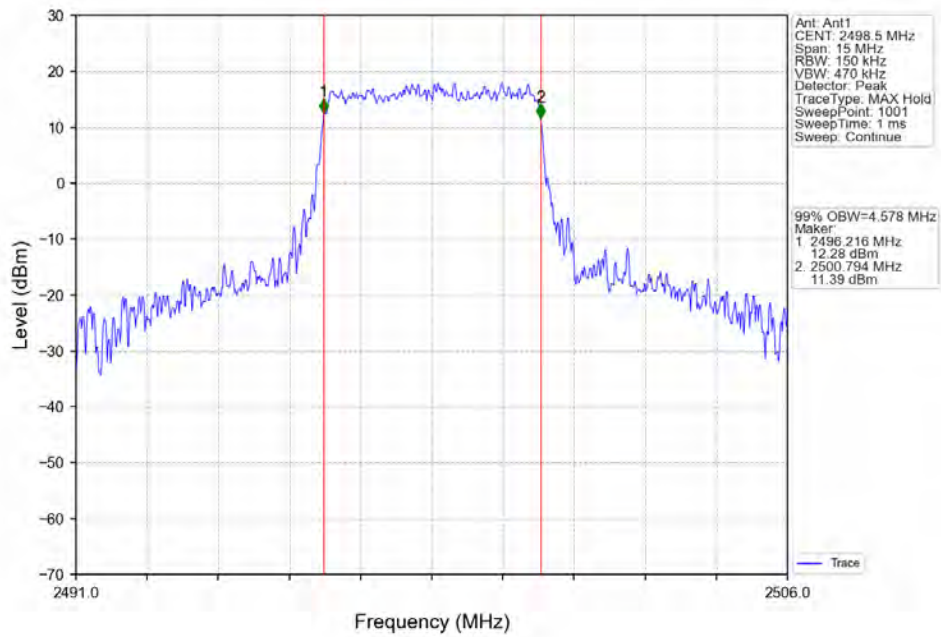
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



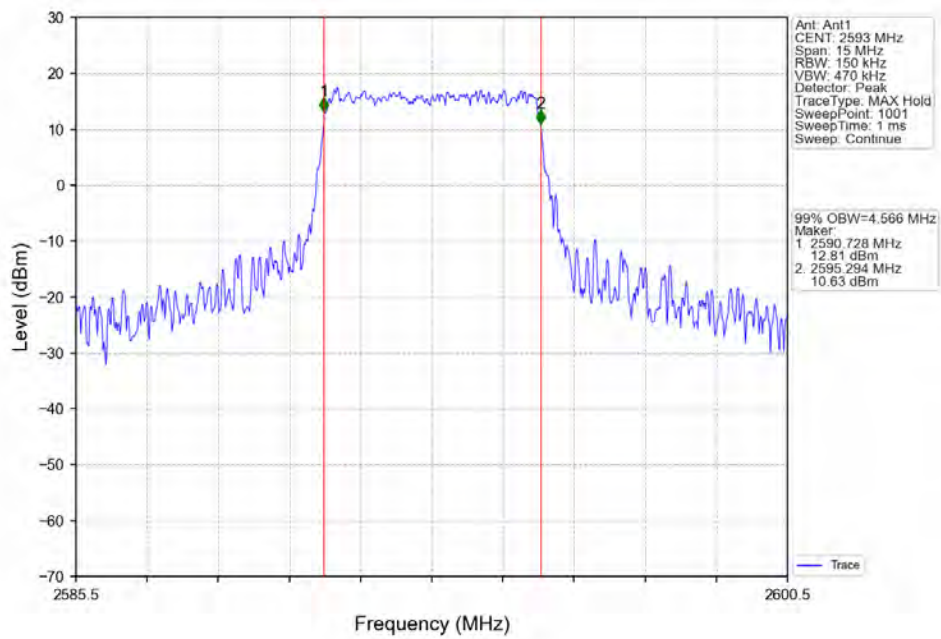
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



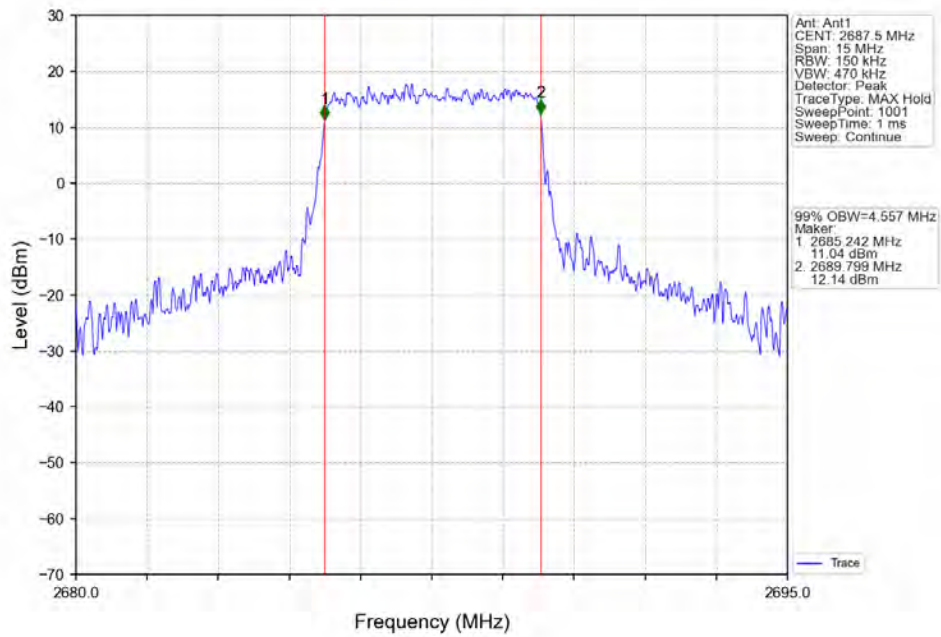
Band41 5MHz 64QAM LCH 2498.5MHz RB 25 0 NTNV



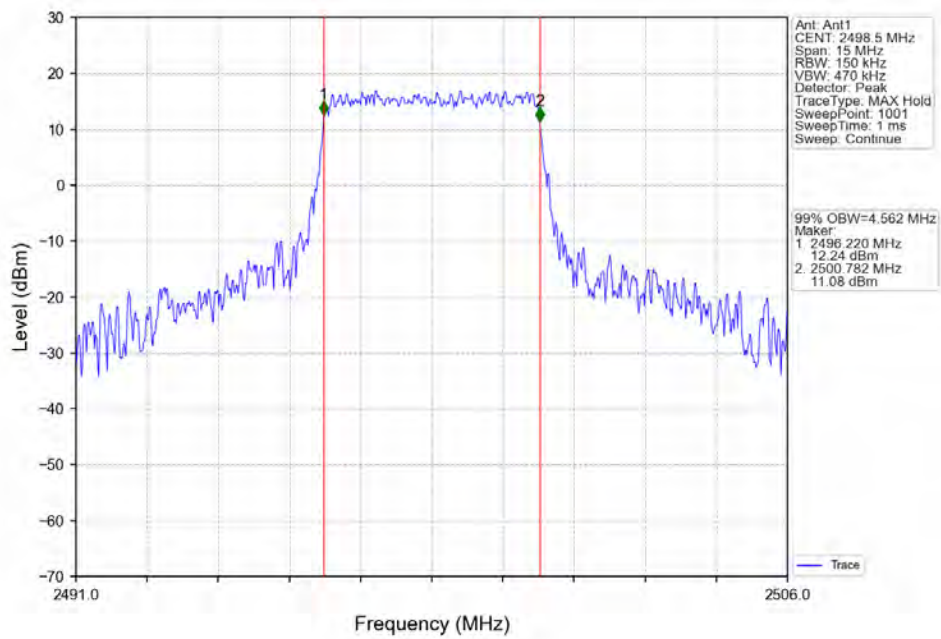
Band41 5MHz 64QAM MCH 2593MHz RB 25 0 NTNV



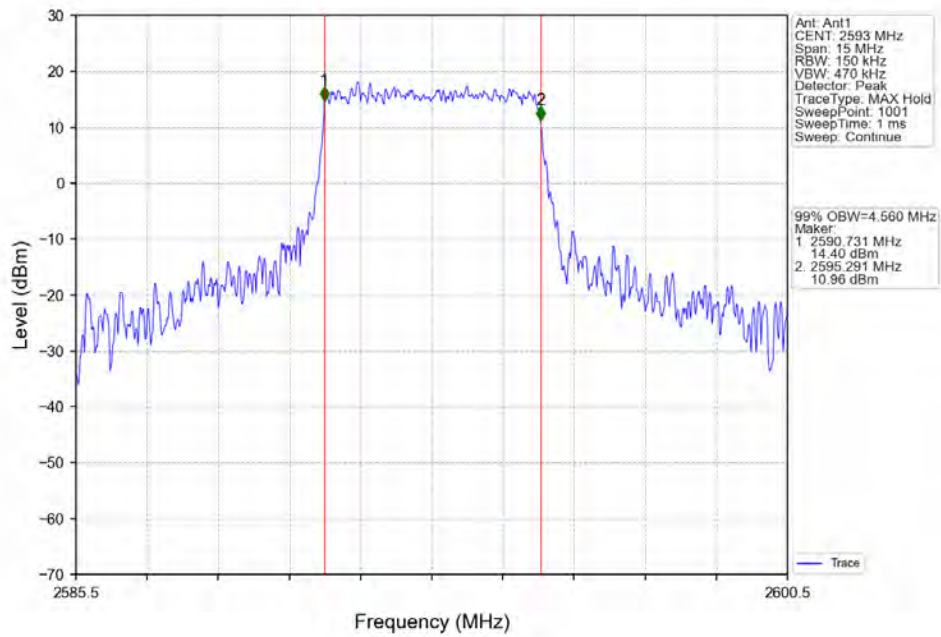
Band41 5MHz 64QAM HCH 2687.5MHz RB 25 0 NTNV



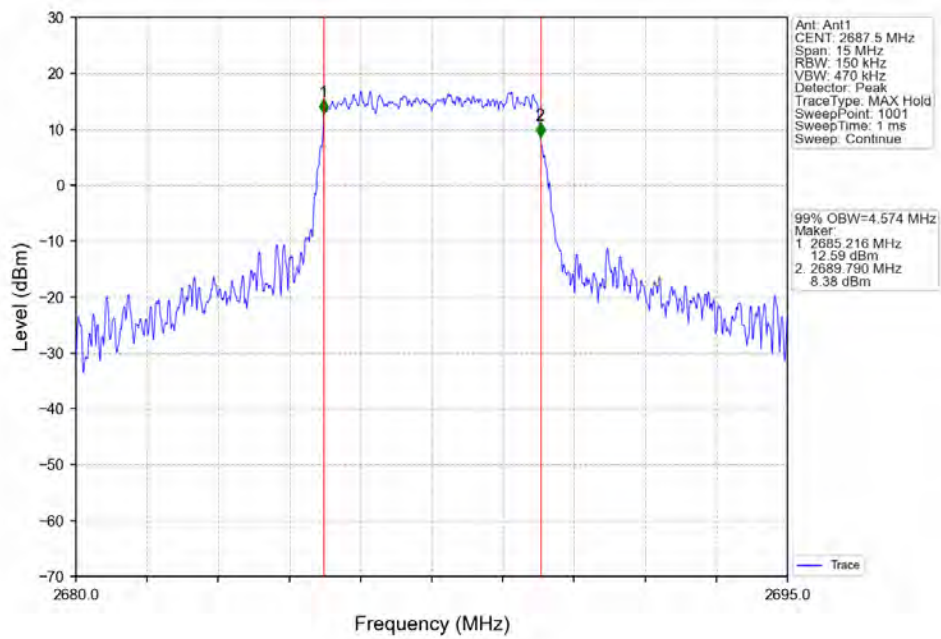
Band41 5MHz 256QAM LCH 2498.5MHz RB 25 0 NTNV



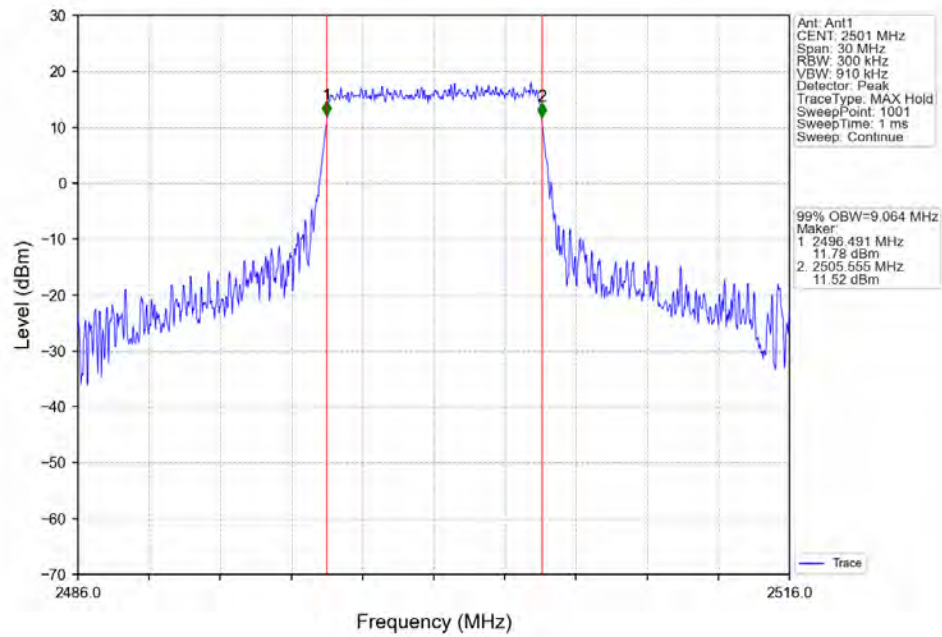
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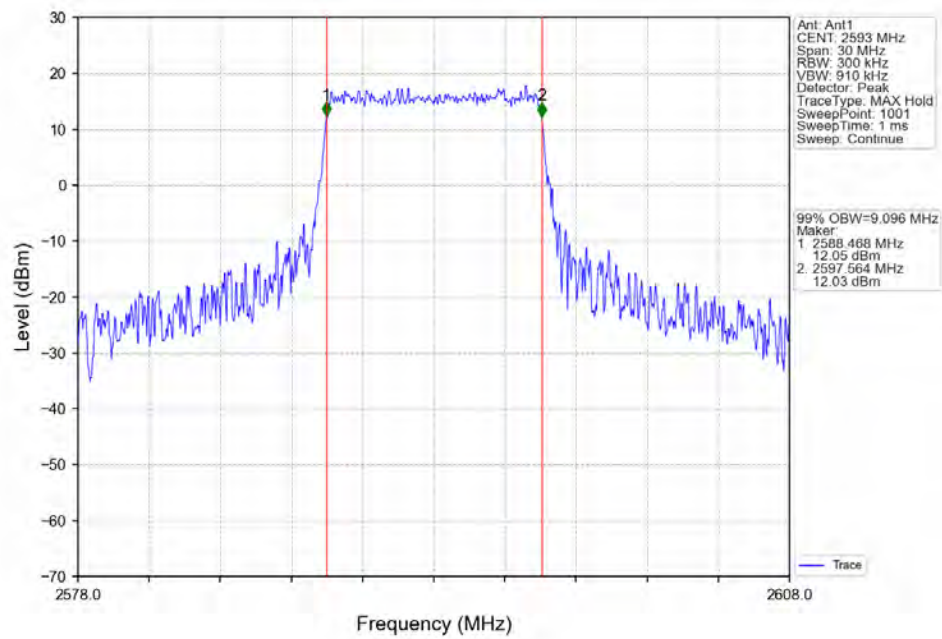
Band41 5MHz 256QAM HCH 2687.5MHz RB 25 0 NTNV



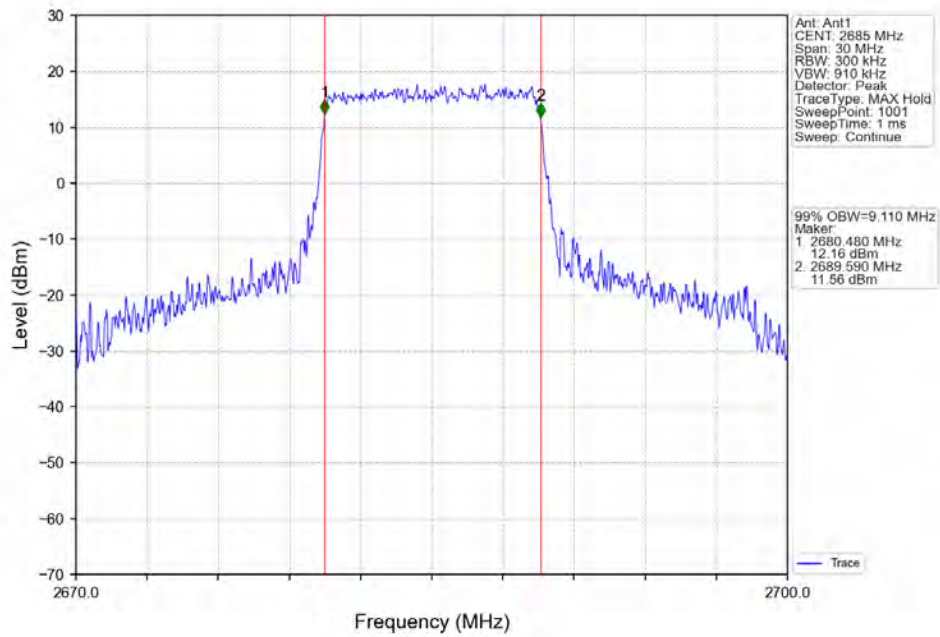
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTNV



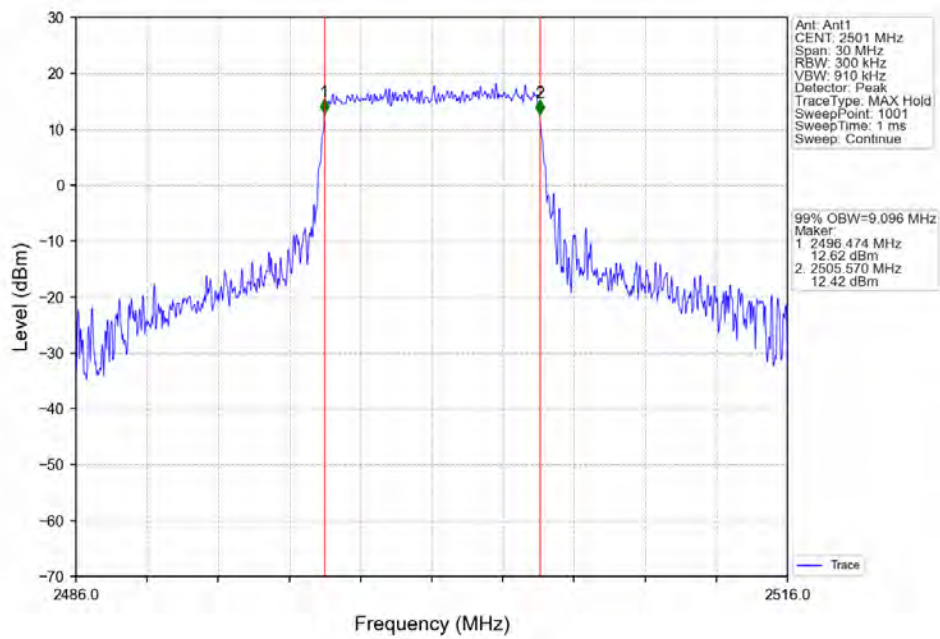
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



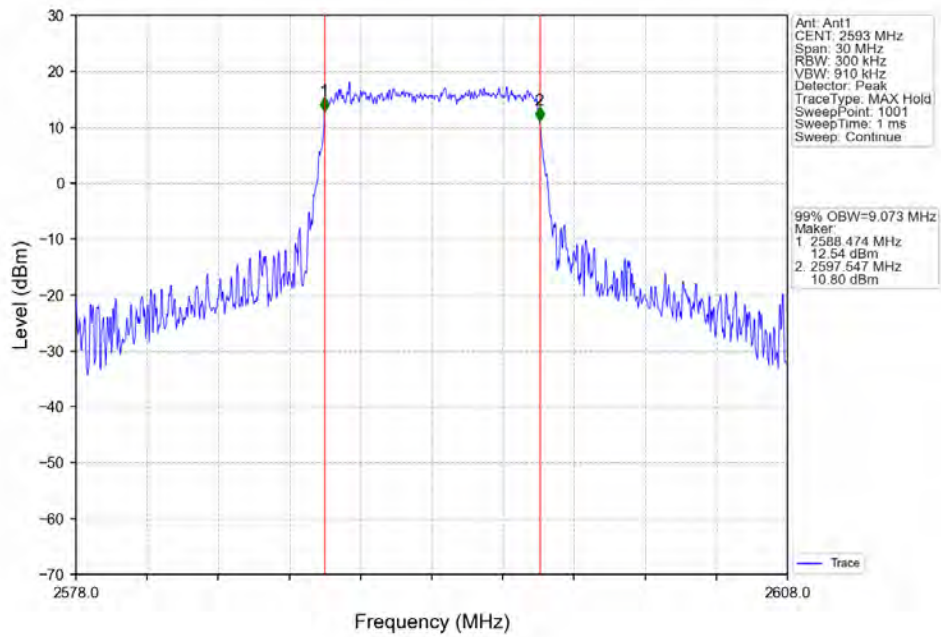
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTV



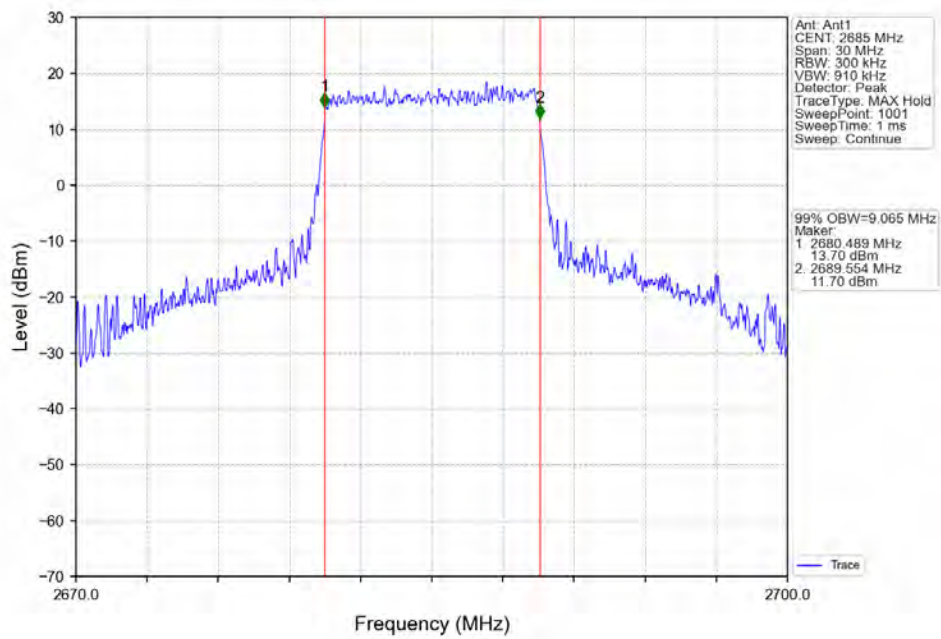
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTV



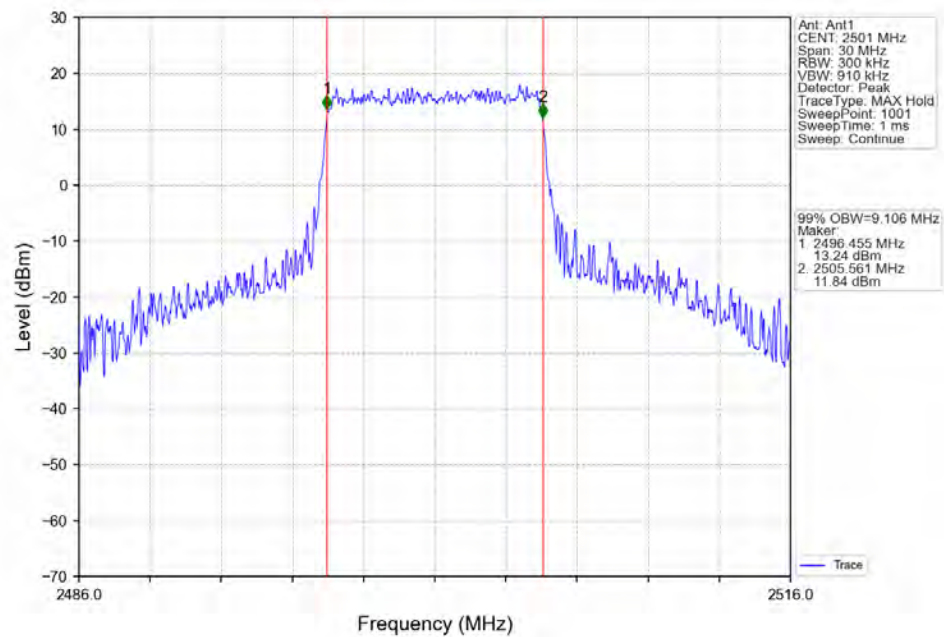
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



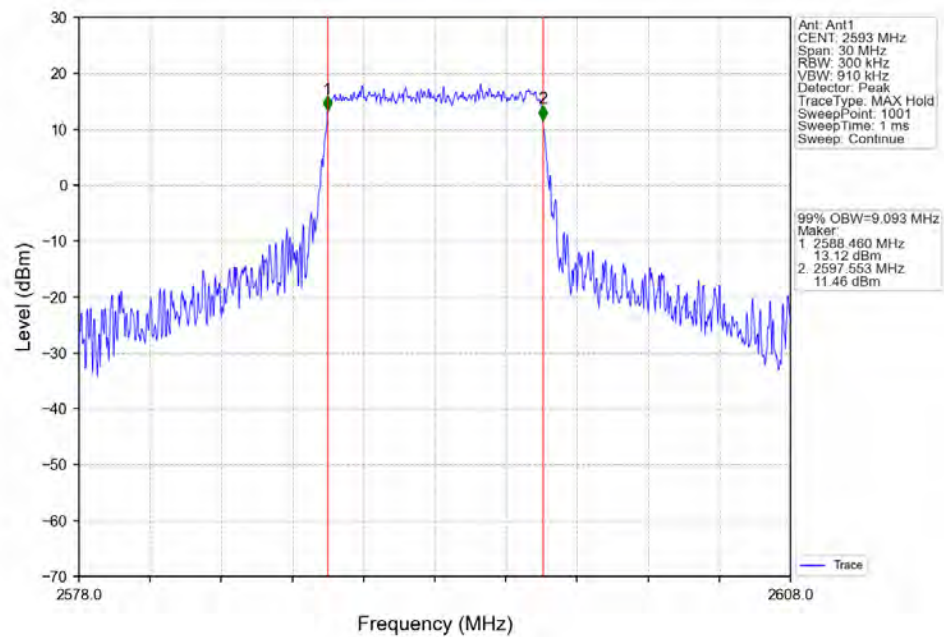
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



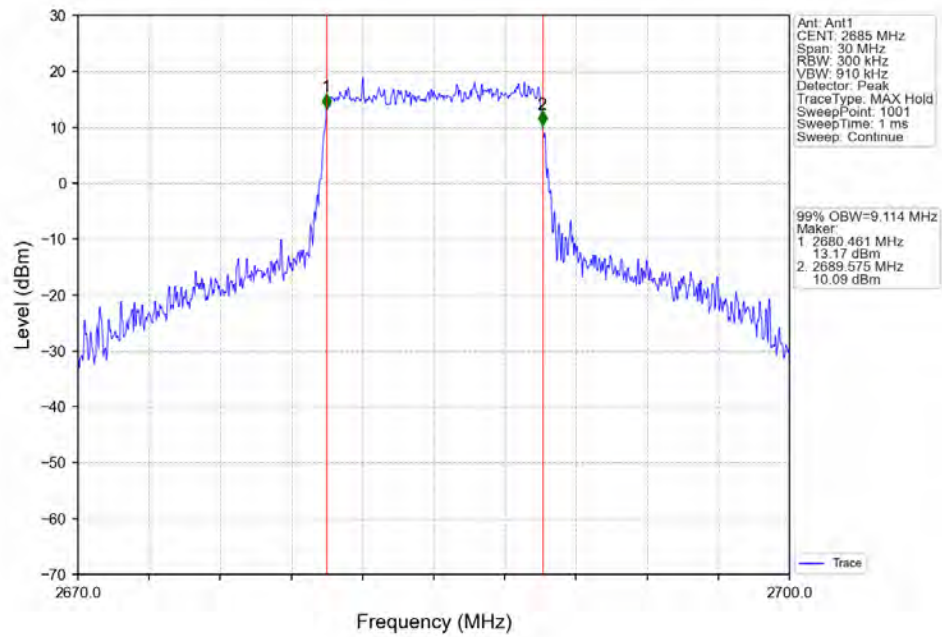
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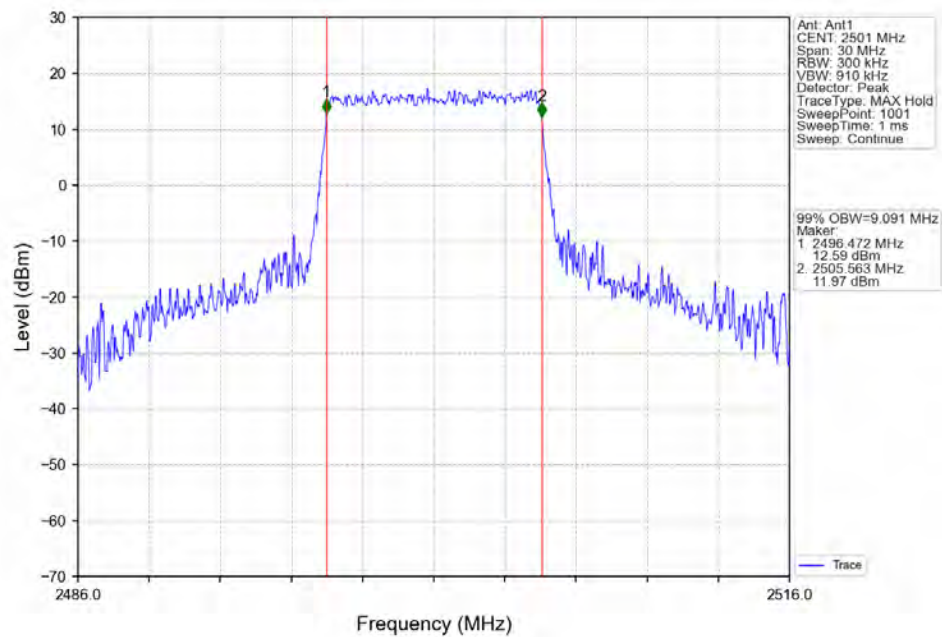
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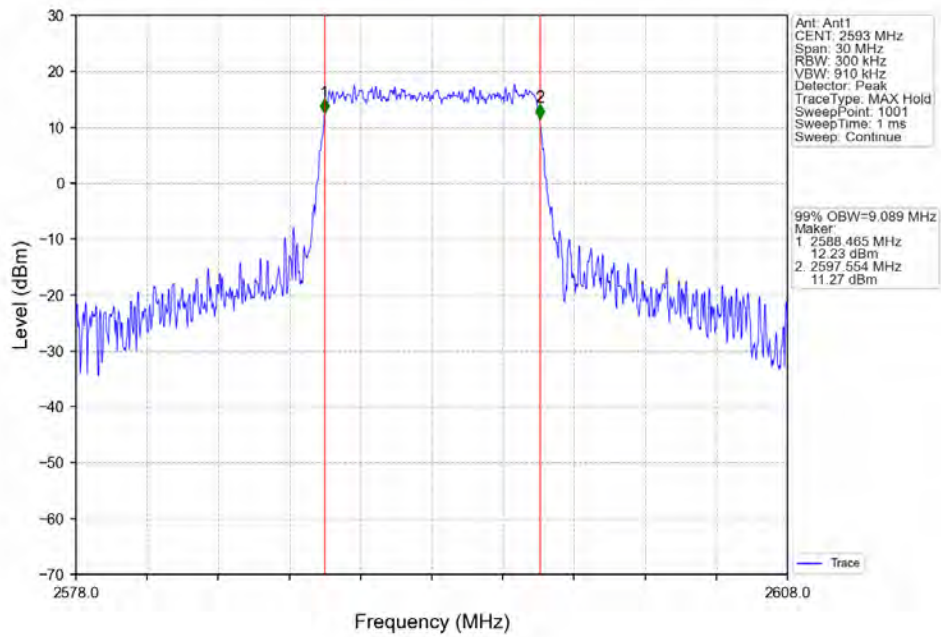
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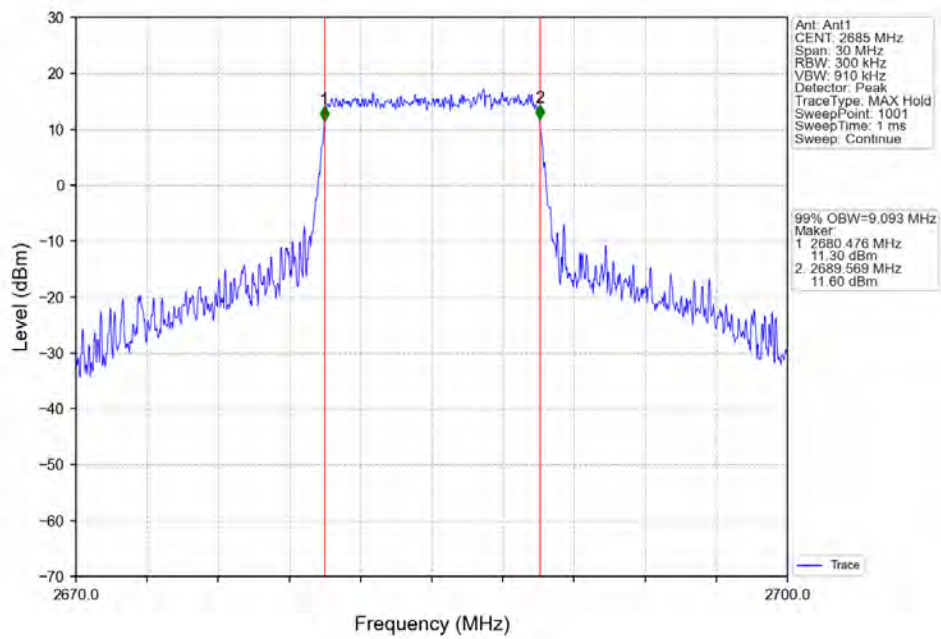
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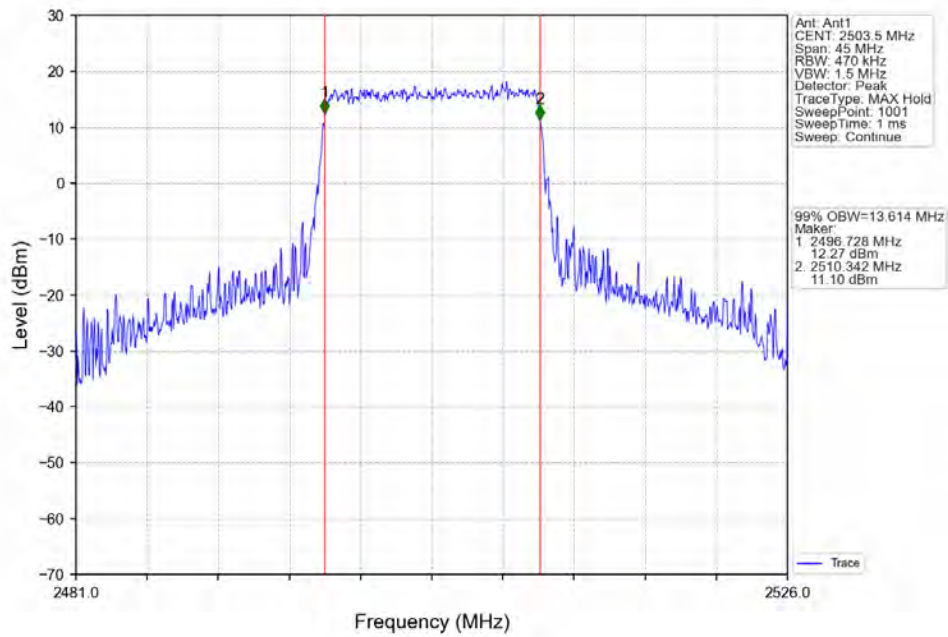
Band41 10MHz 256QAM MCH 2593MHz RB 50 0 NTNV



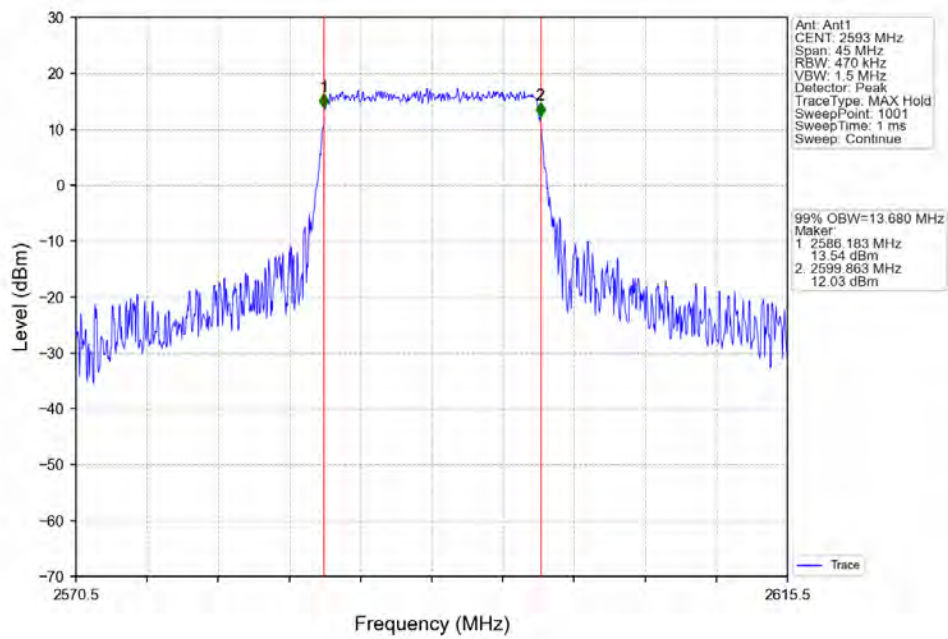
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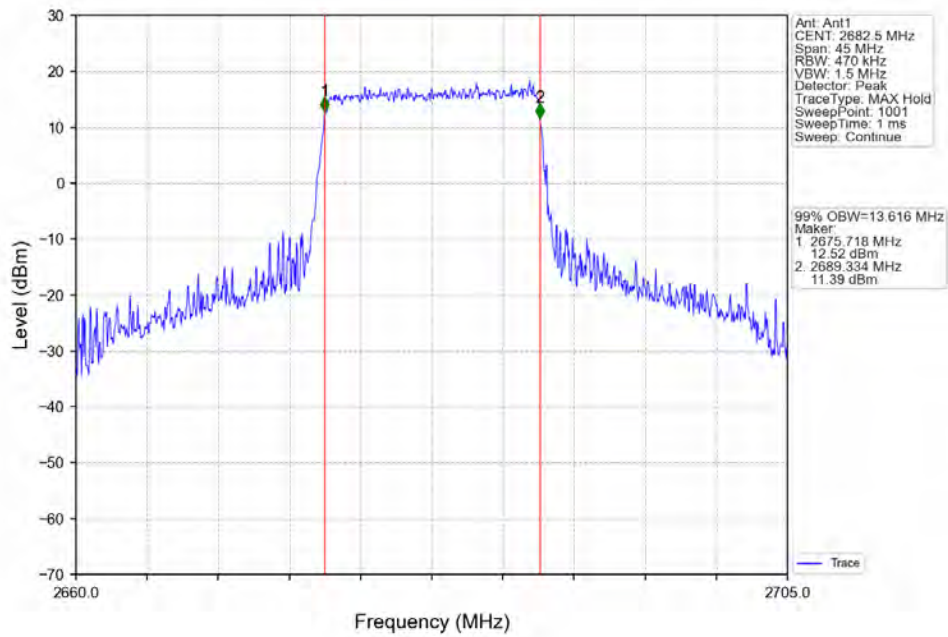
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



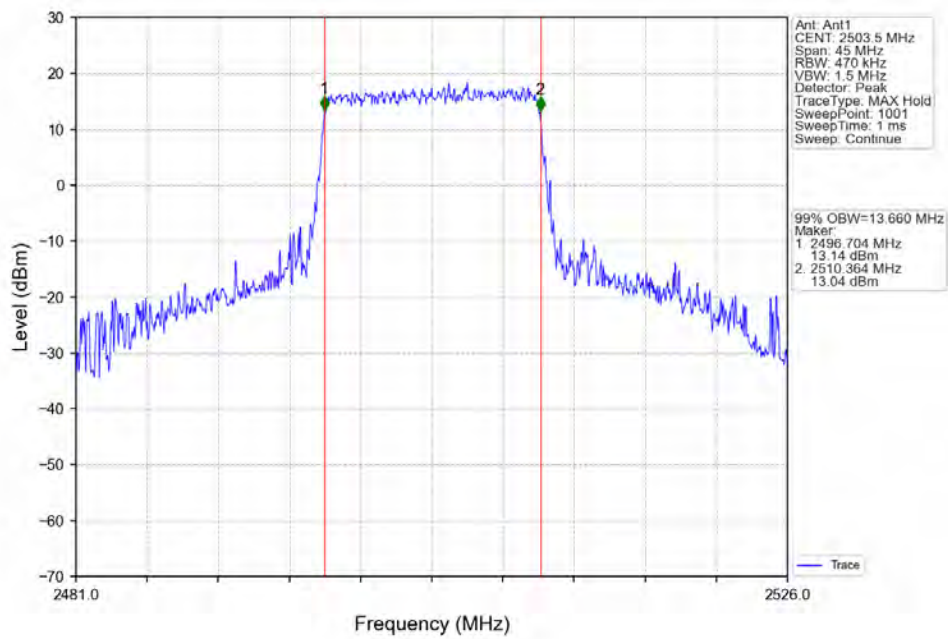
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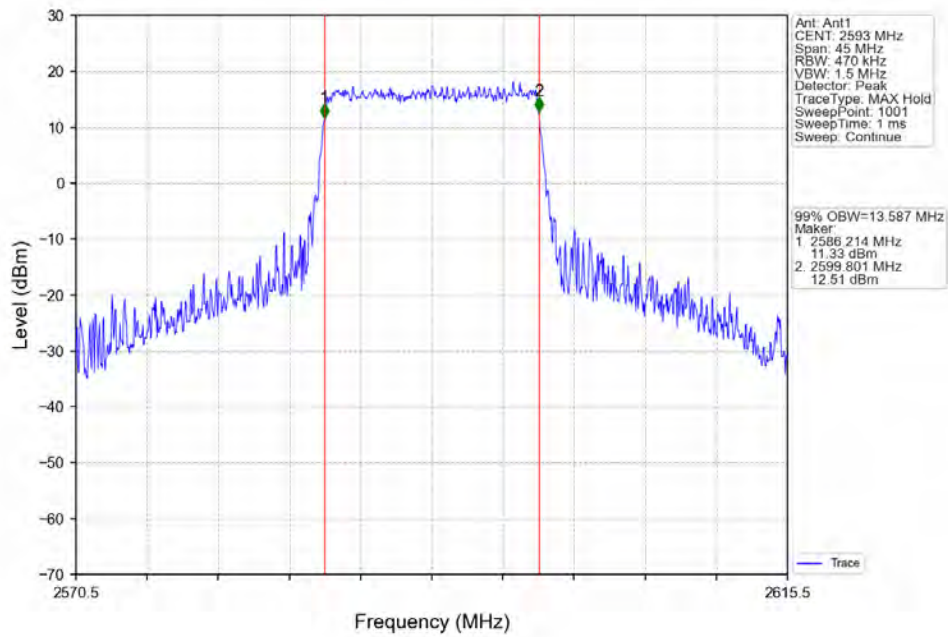
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV



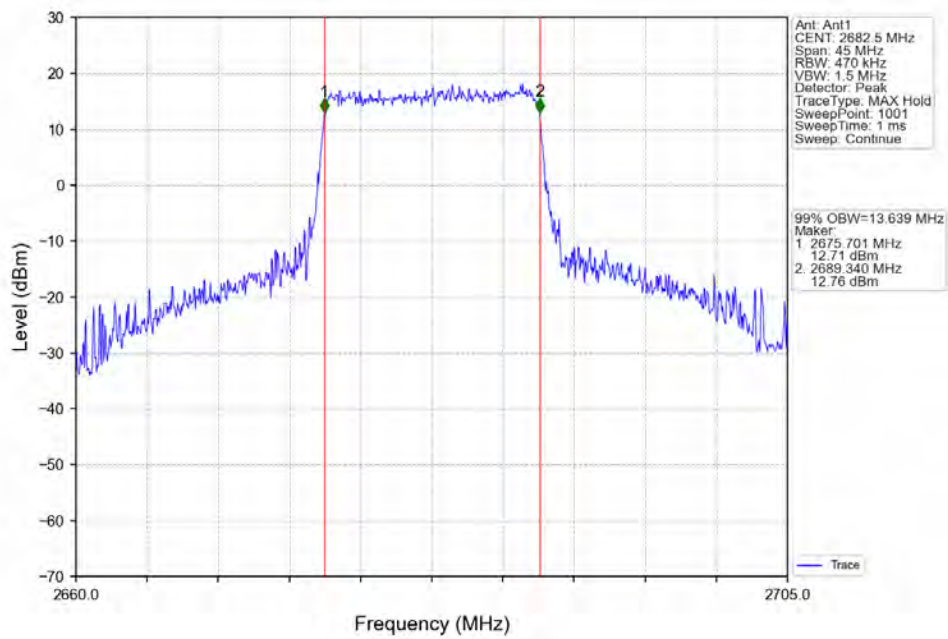
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTNV



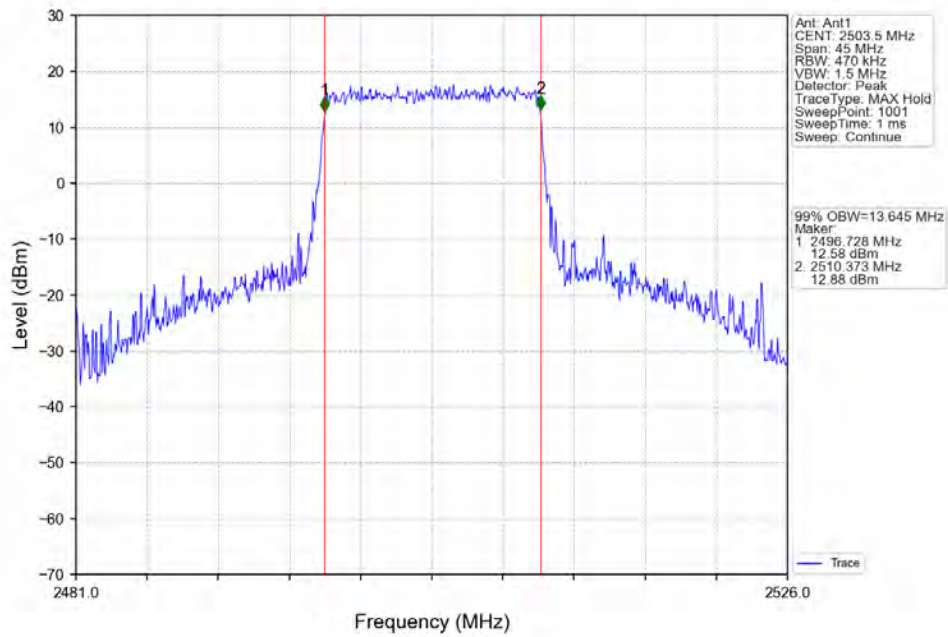
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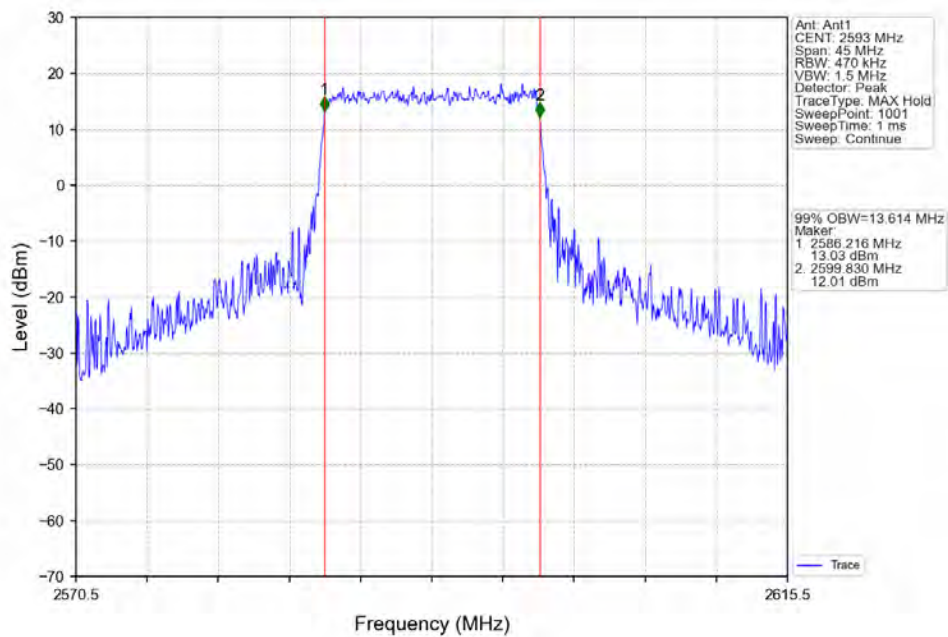
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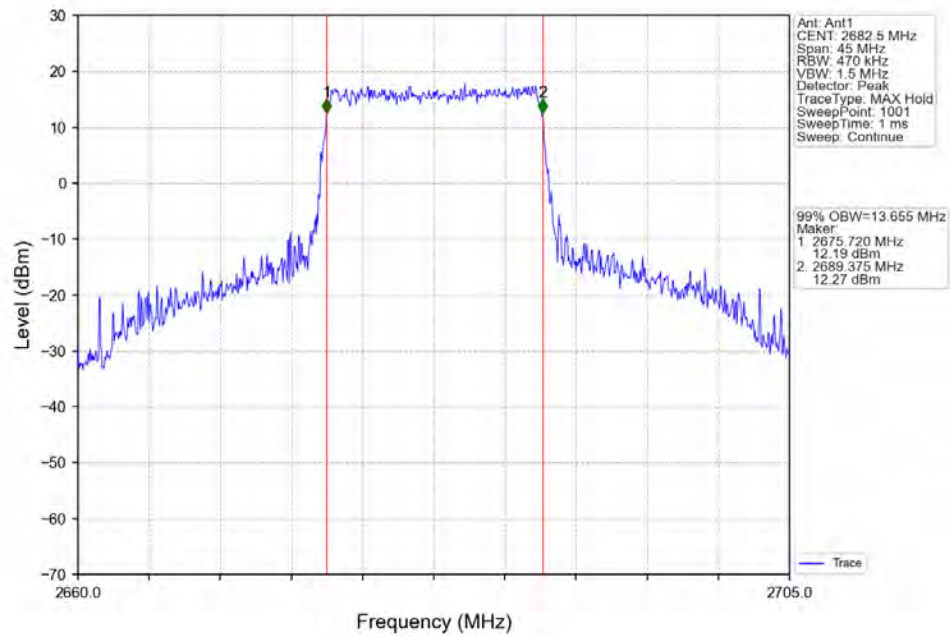
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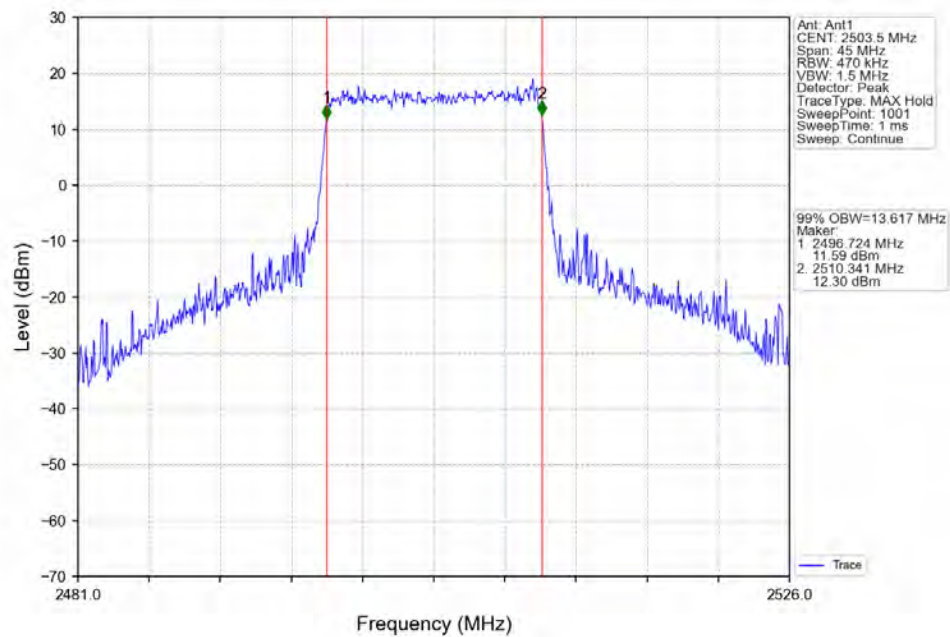
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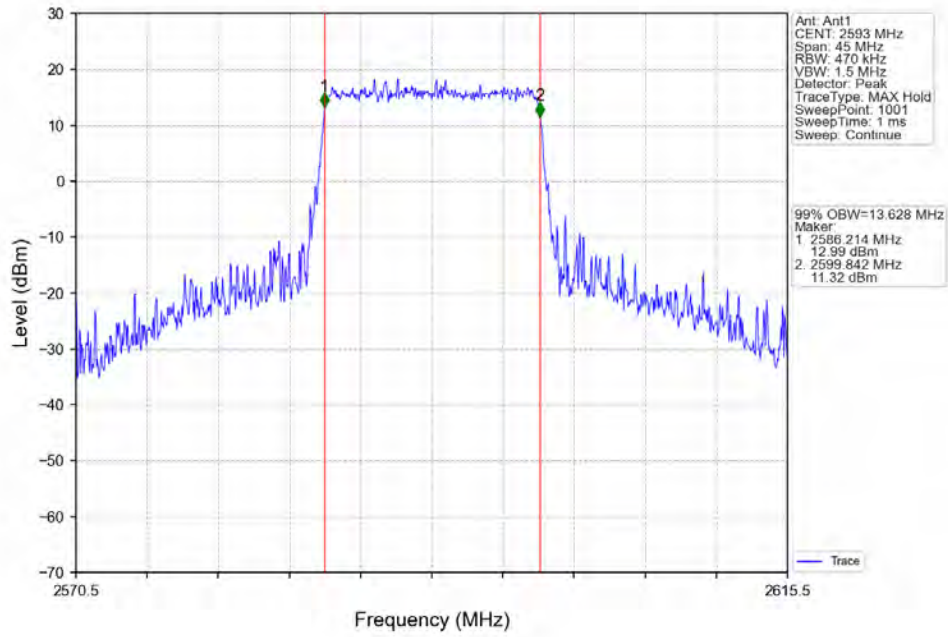
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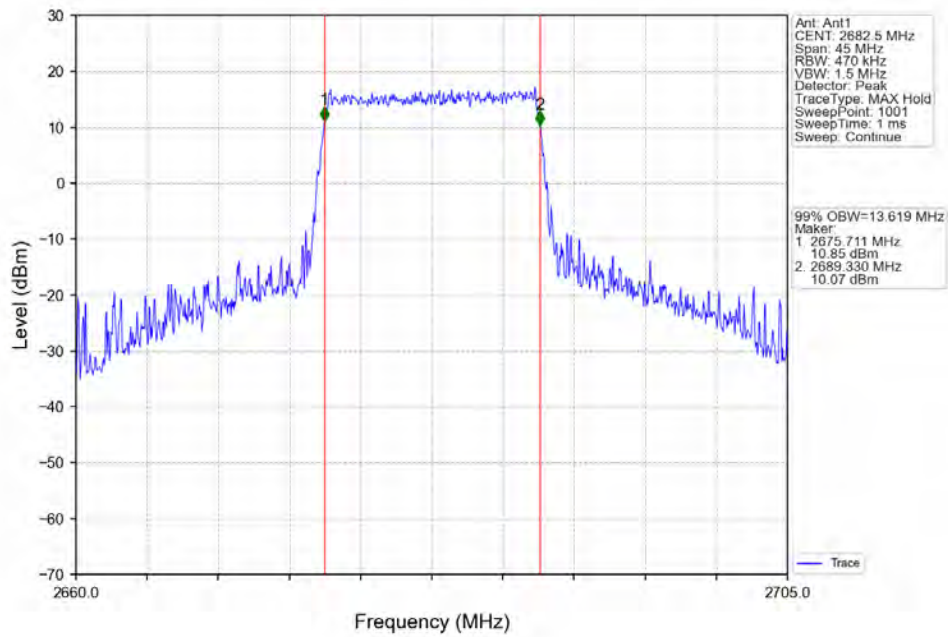
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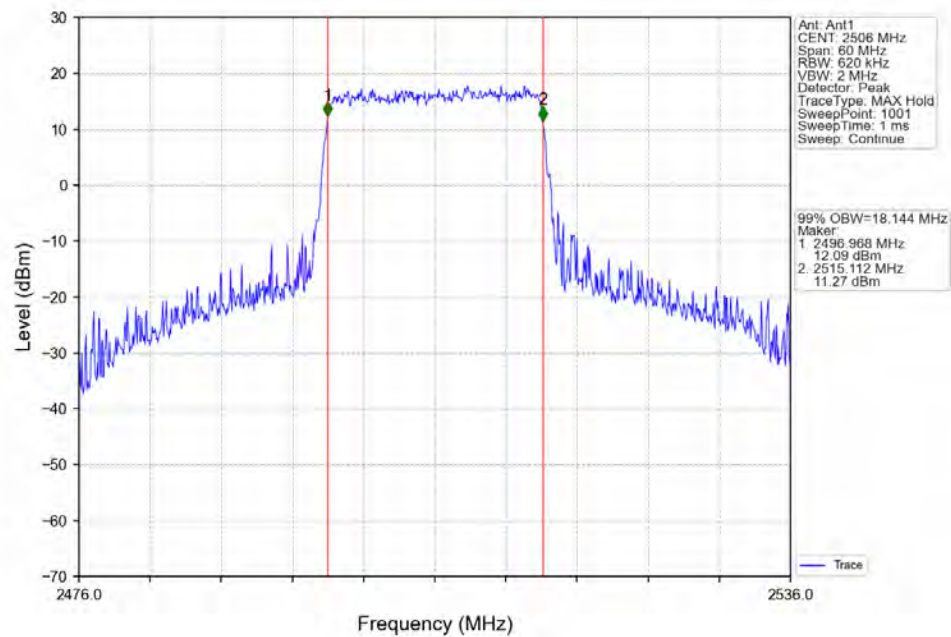
Band41 15MHz 256QAM MCH 2593MHz RB 75 0 NTV



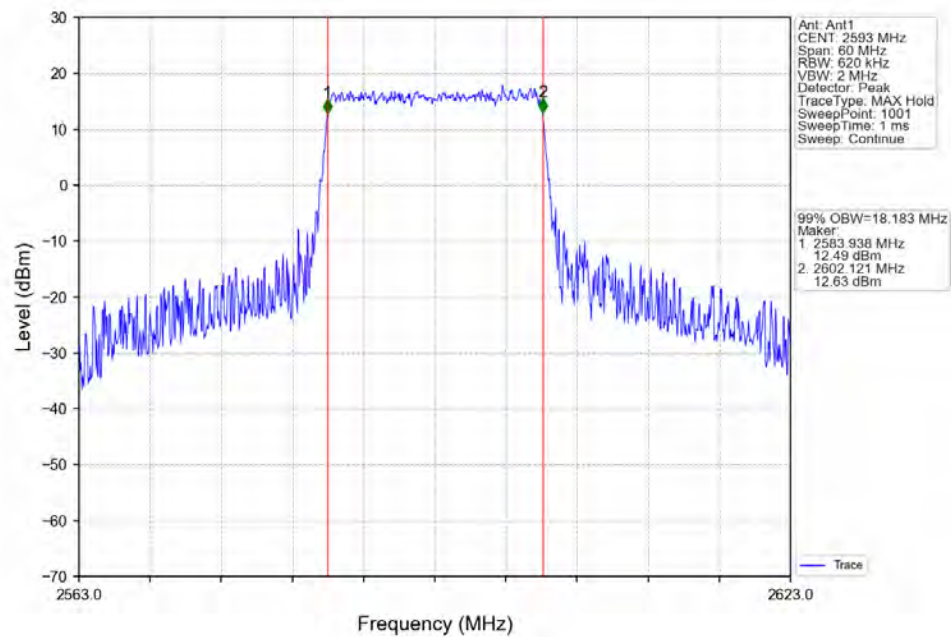
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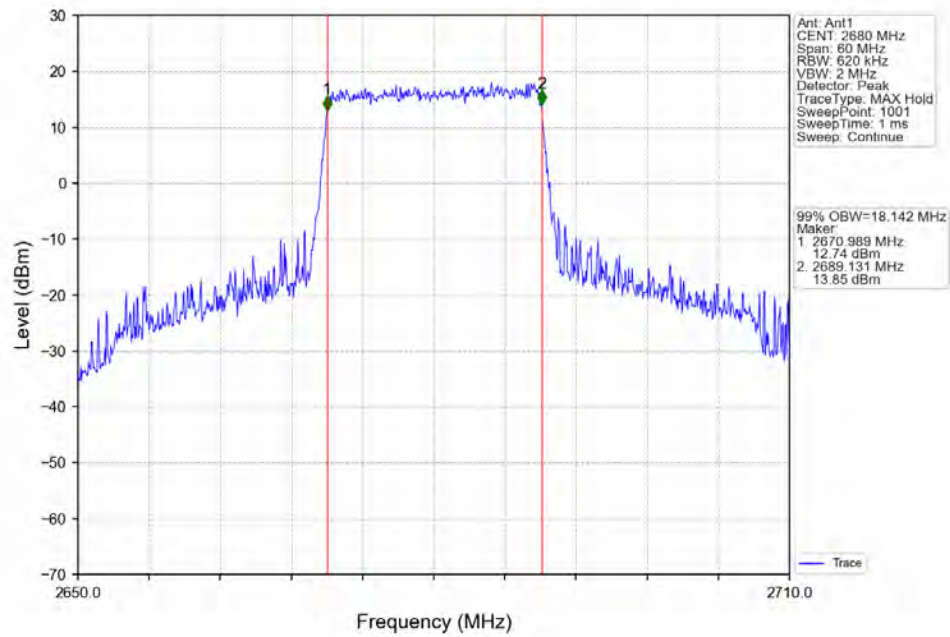
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTV



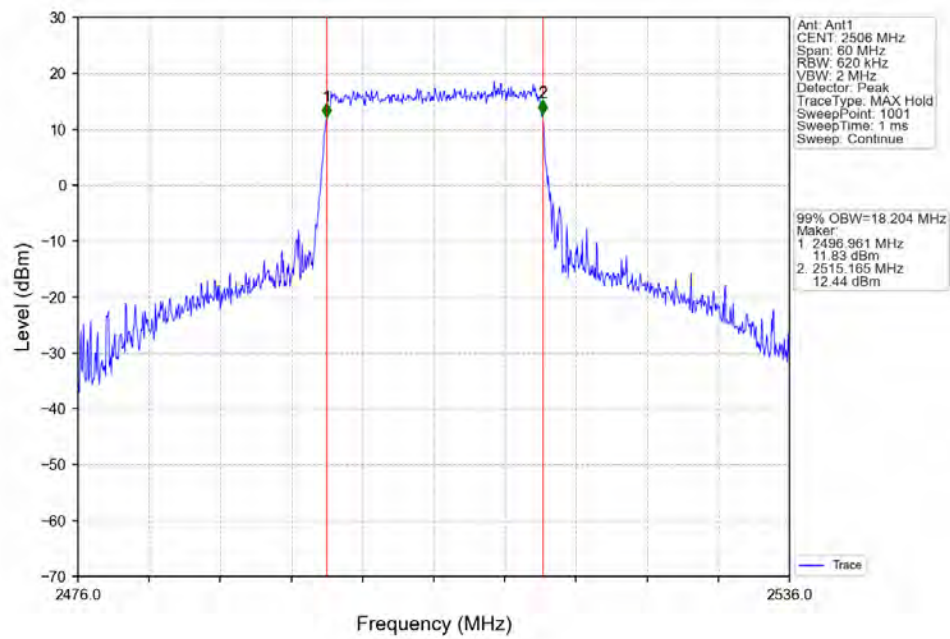
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTV



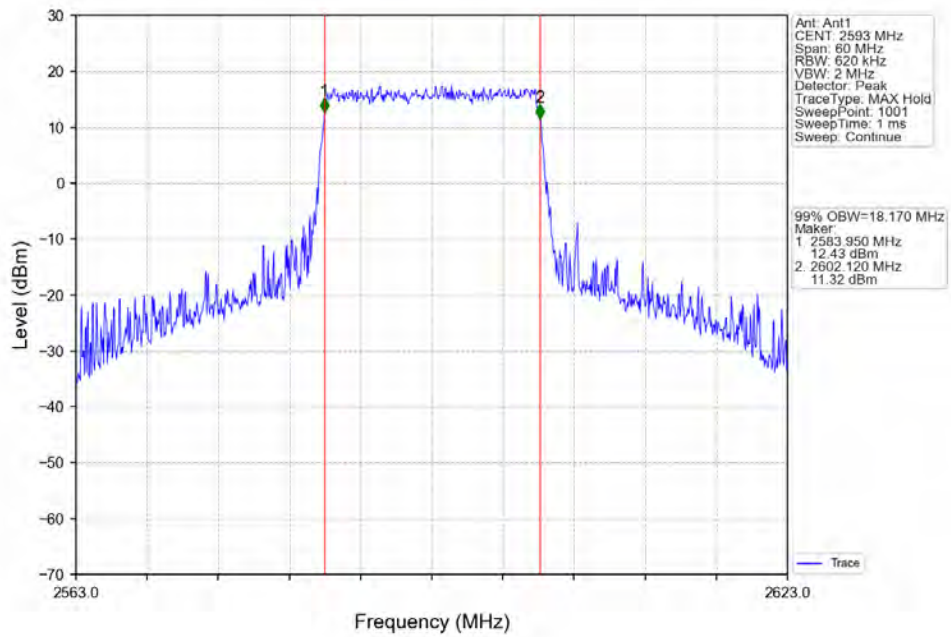
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



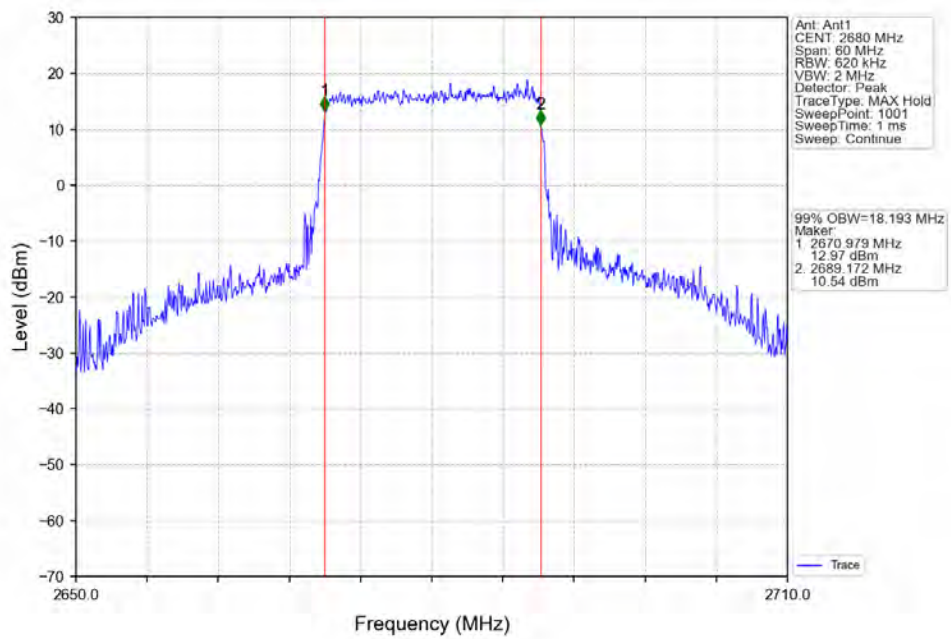
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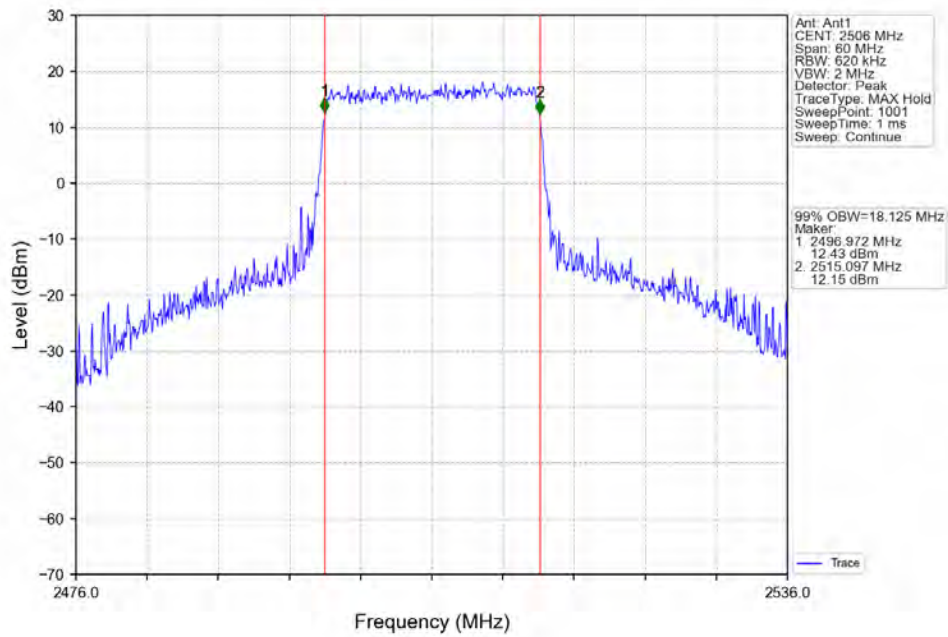
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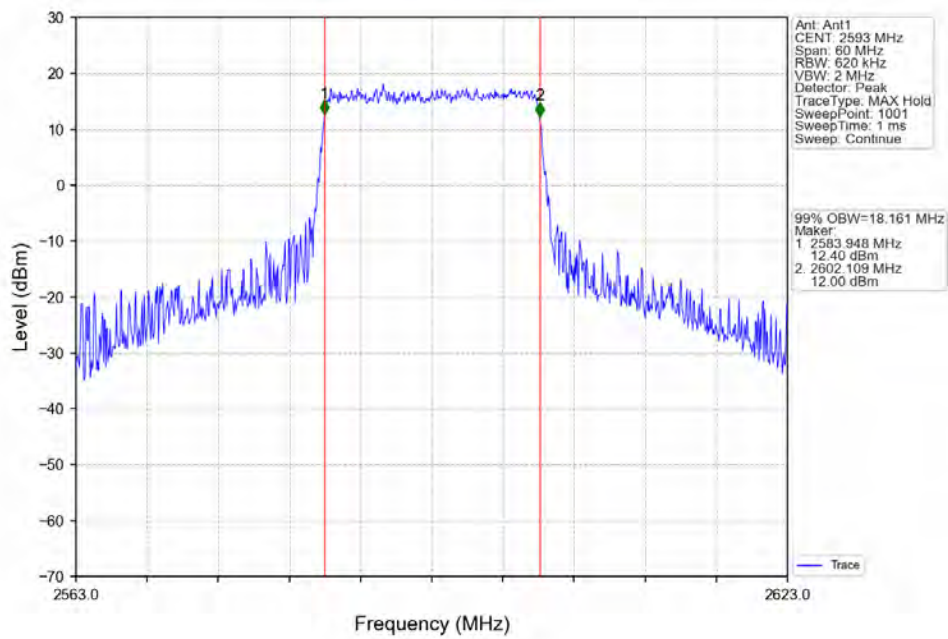
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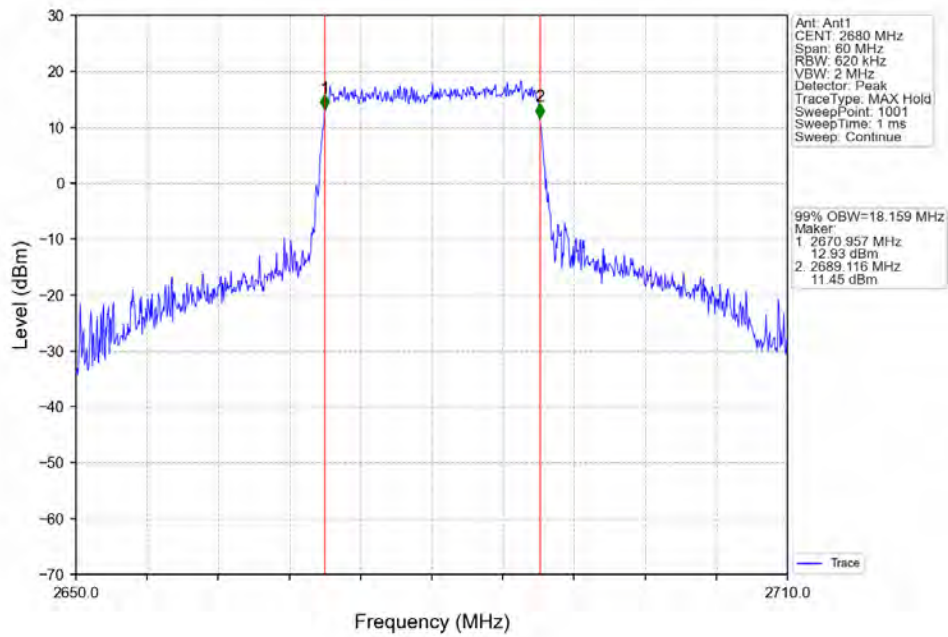
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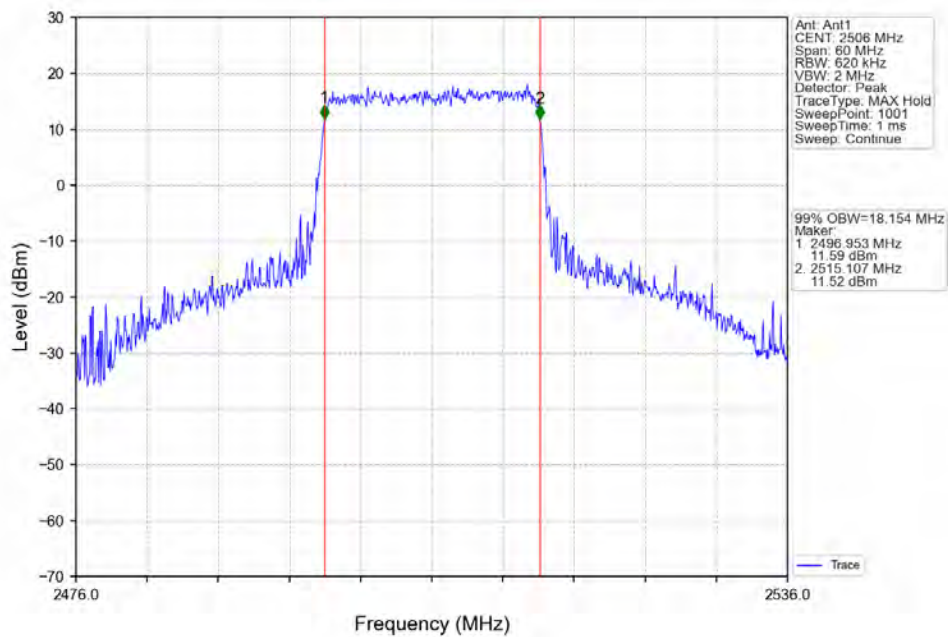
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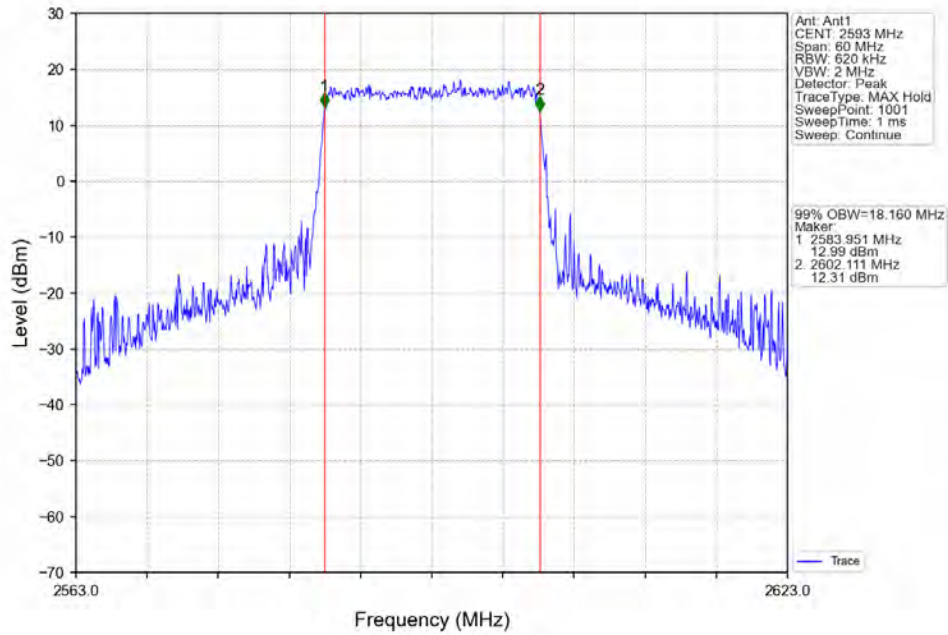
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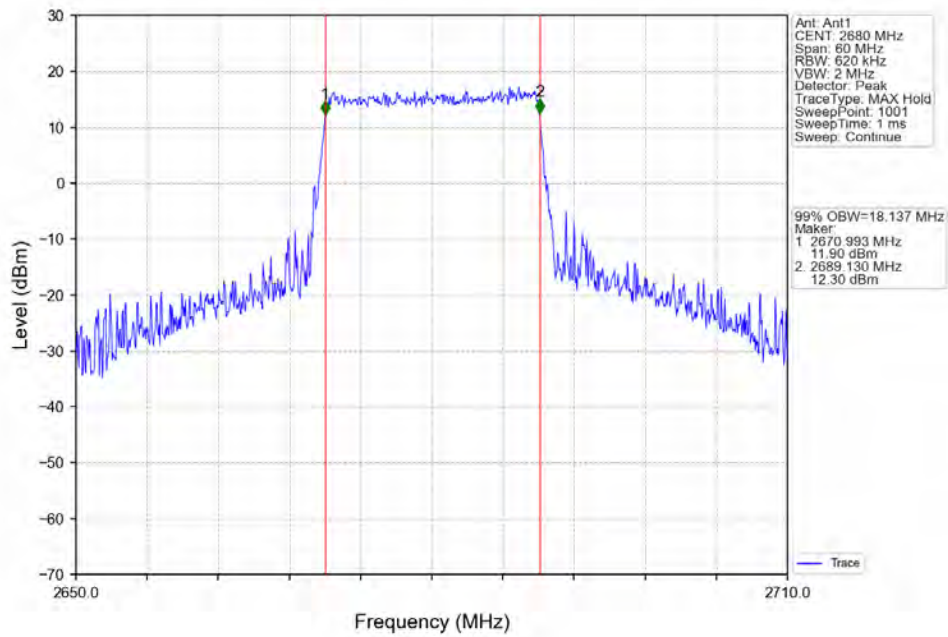
Band41 20MHz 256QAM LCH 2506MHz RB 100 0 NTNV



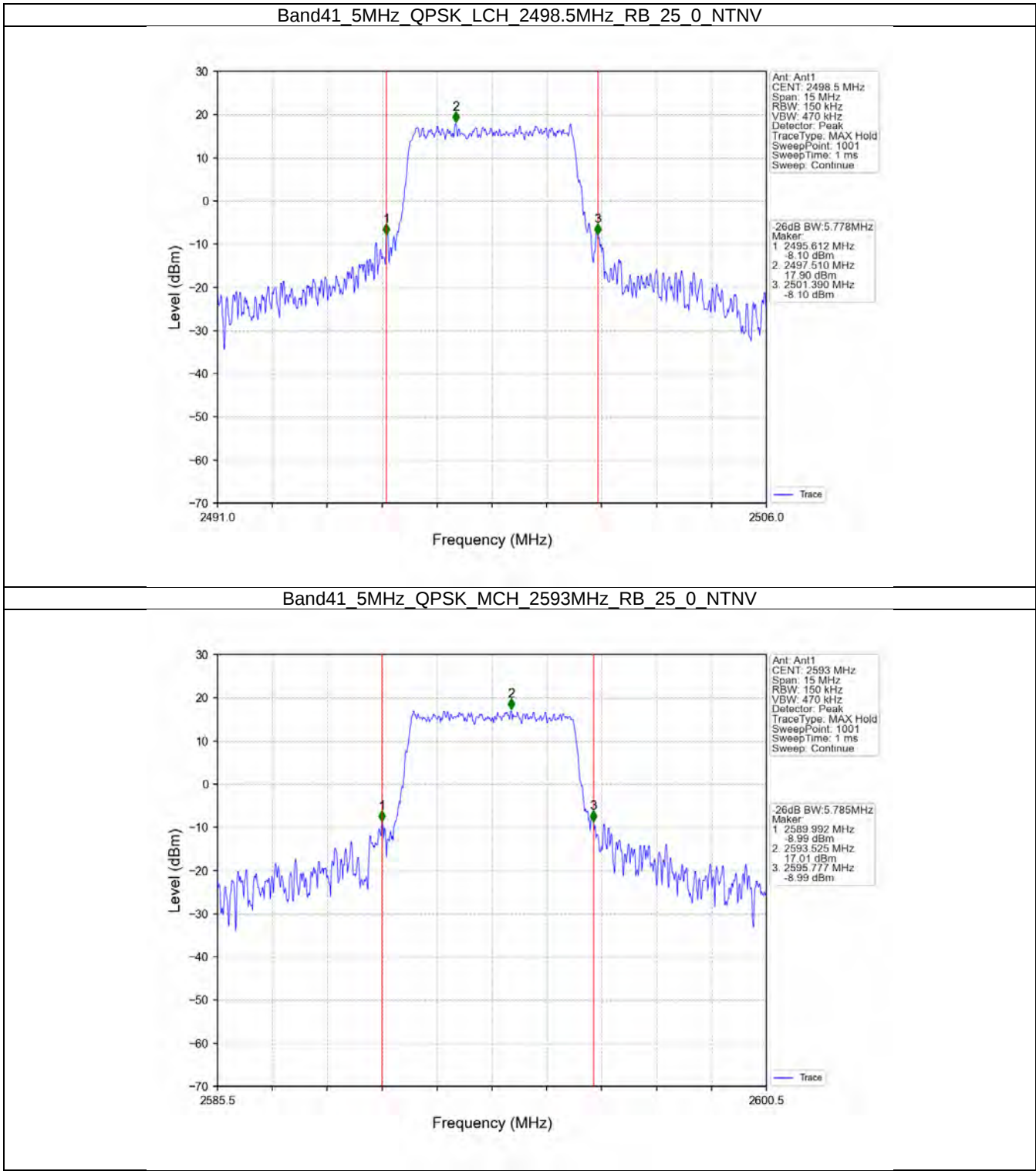
Band41 20MHz 256QAM MCH 2593MHz RB 100 0 NTN



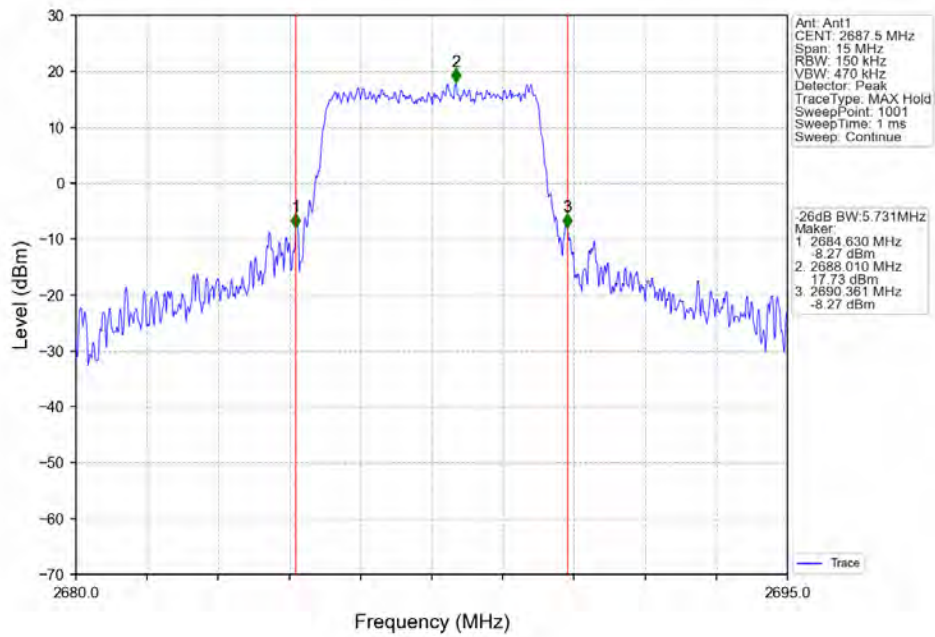
Band41 20MHz 256QAM HCH 2680MHz RB 100 0 NTN



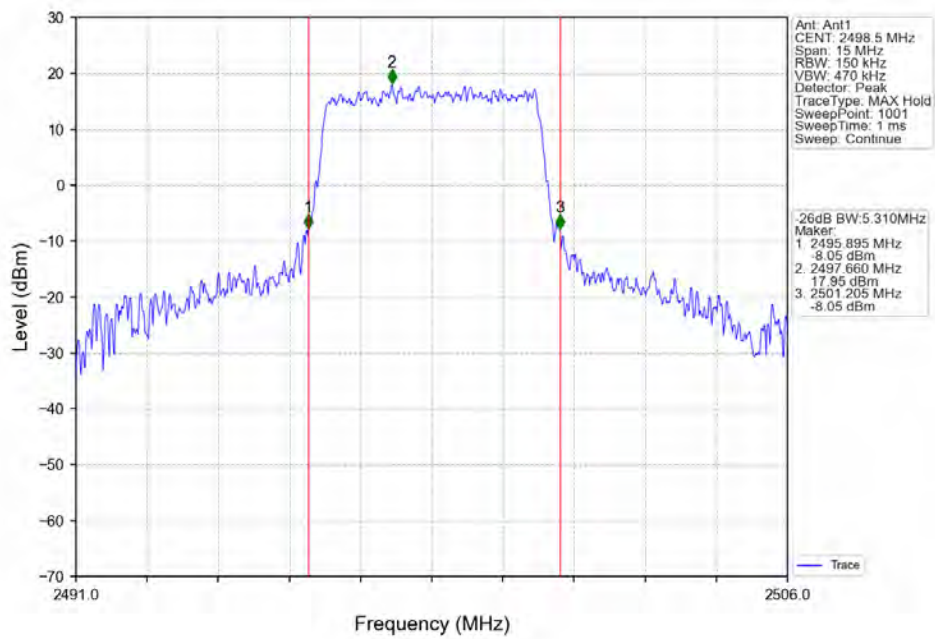
3.2.2 Band41\_XDB



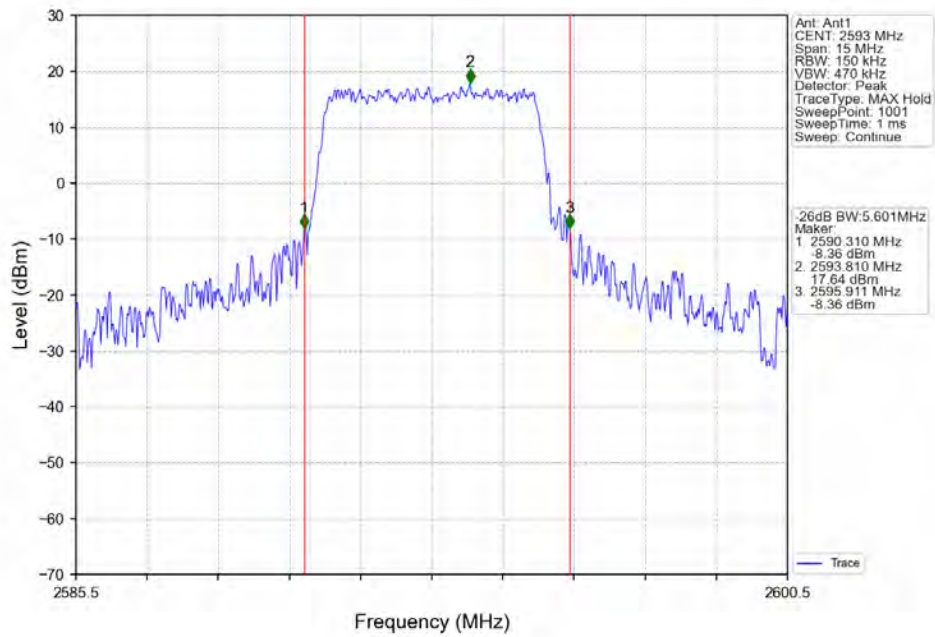
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



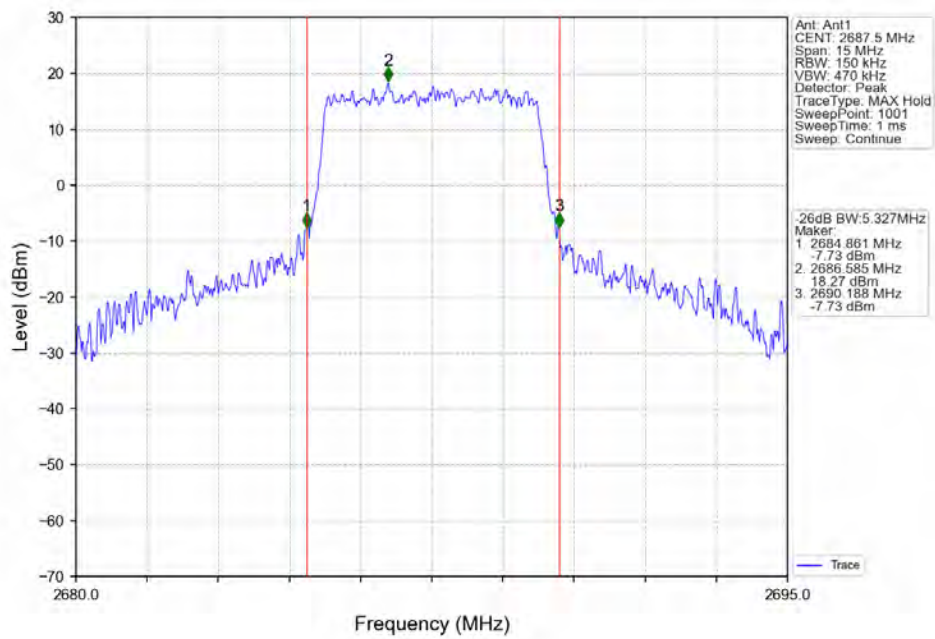
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



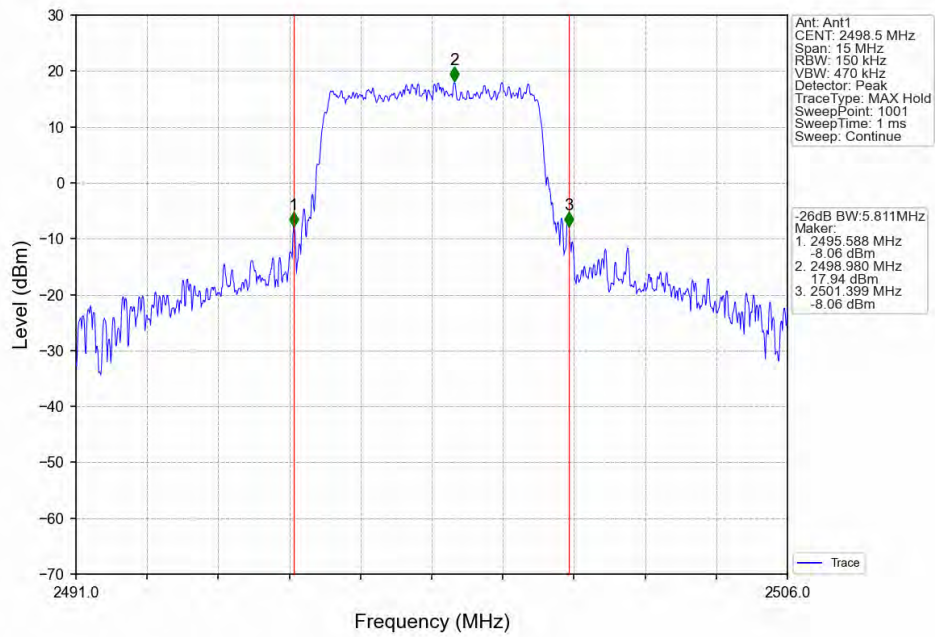
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



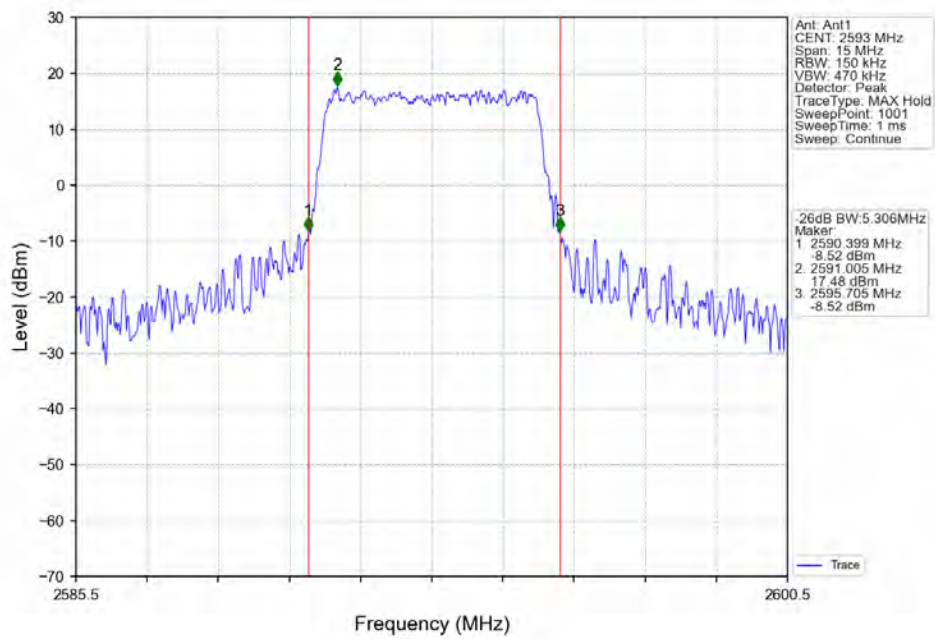
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



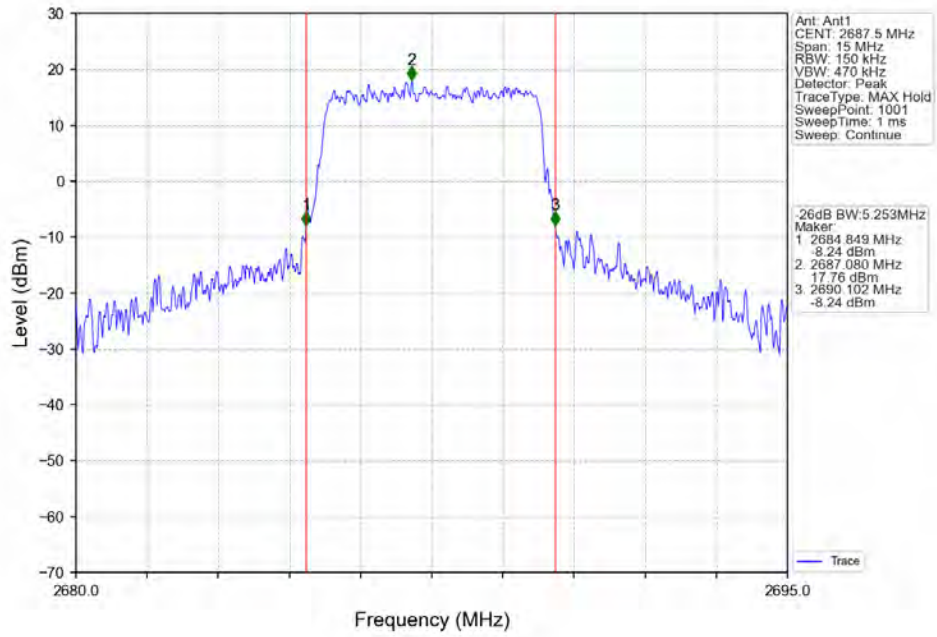
Band41 5MHz 64QAM LCH 2498.5MHz RB 25 0 NTNV



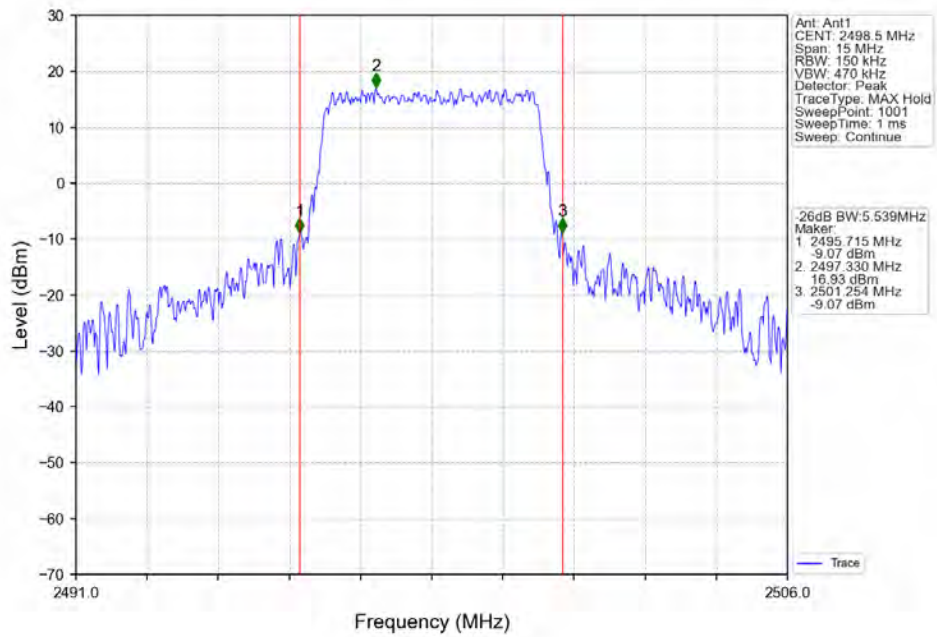
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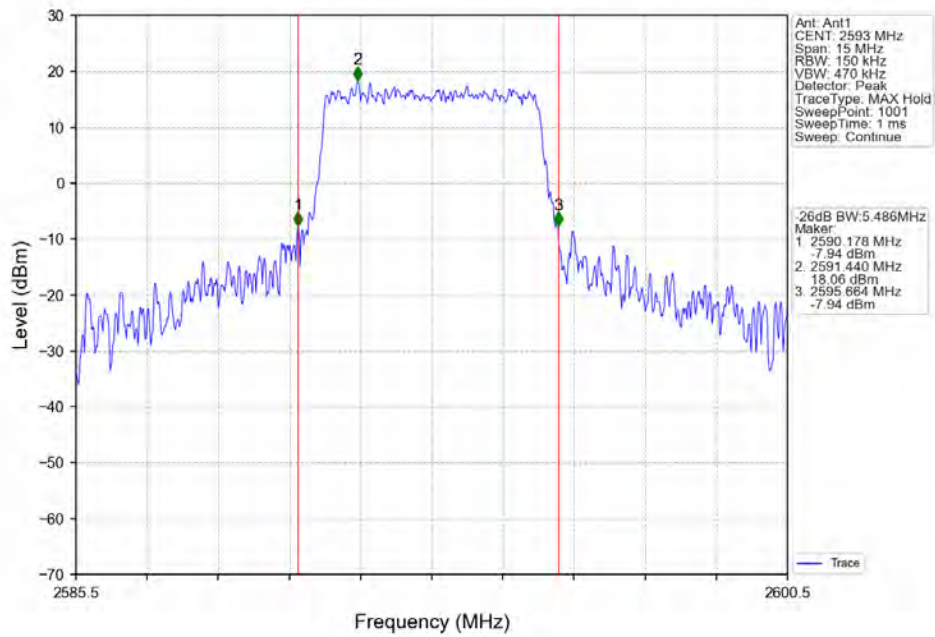
Band41 5MHz 64QAM HCH 2687.5MHz RB 25 0 NTN



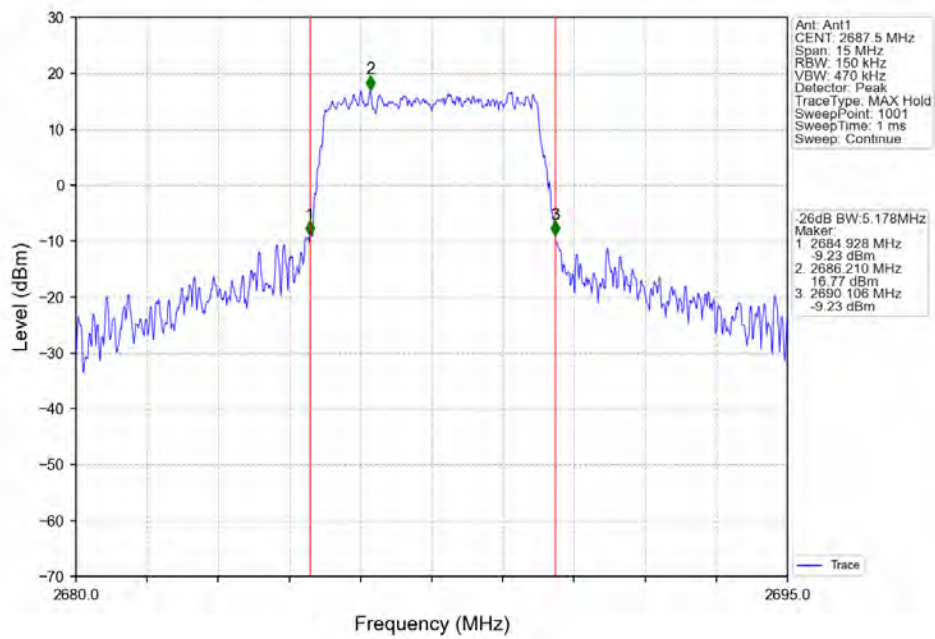
Band41 5MHz 256QAM LCH 2498.5MHz RB 25 0 NTN



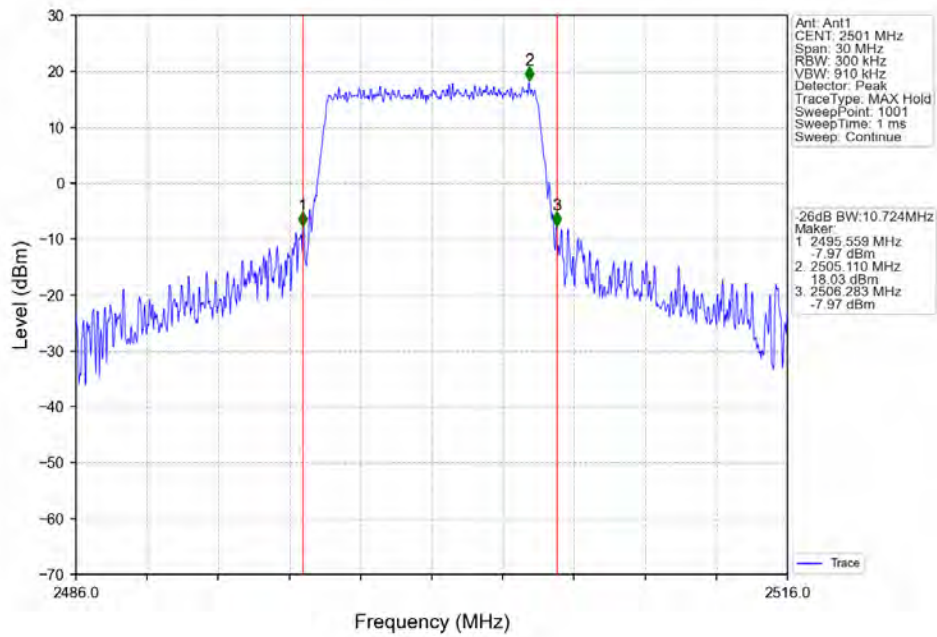
Band41 5MHz 256QAM MCH 2593MHz RB 25 0 NTNV



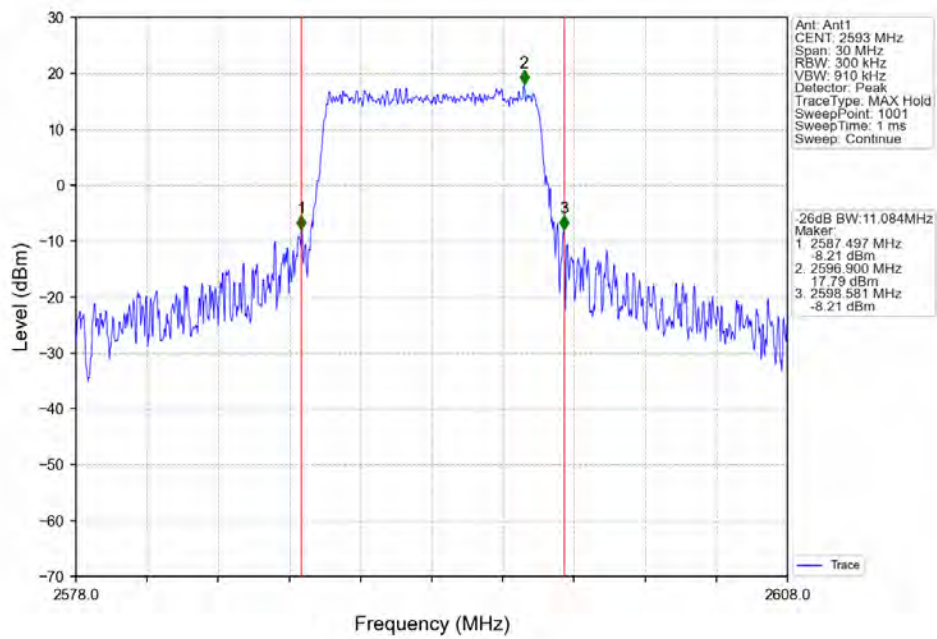
Band41 5MHz 256QAM HCH 2687.5MHz RB 25 0 NTNV



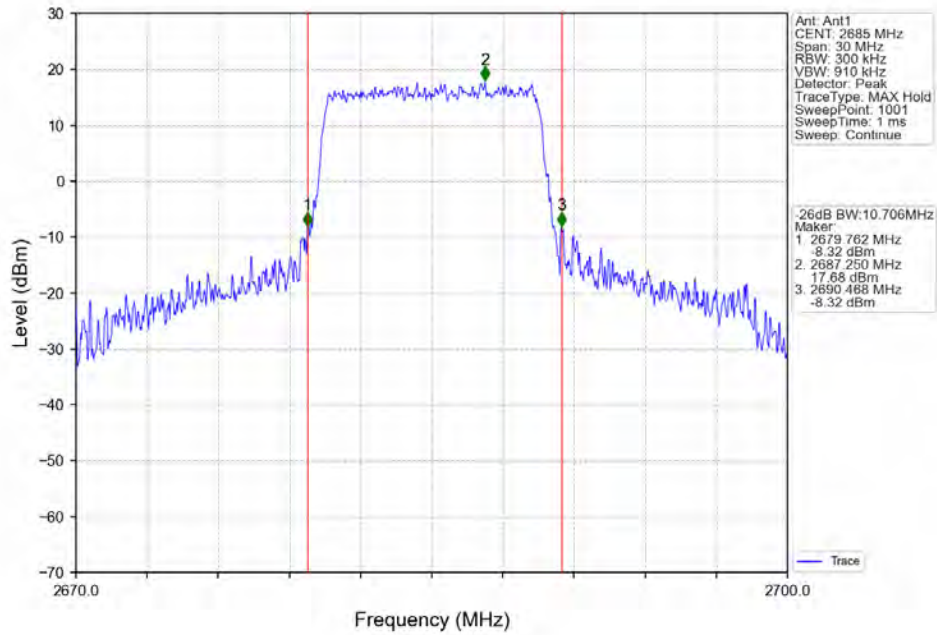
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTNV



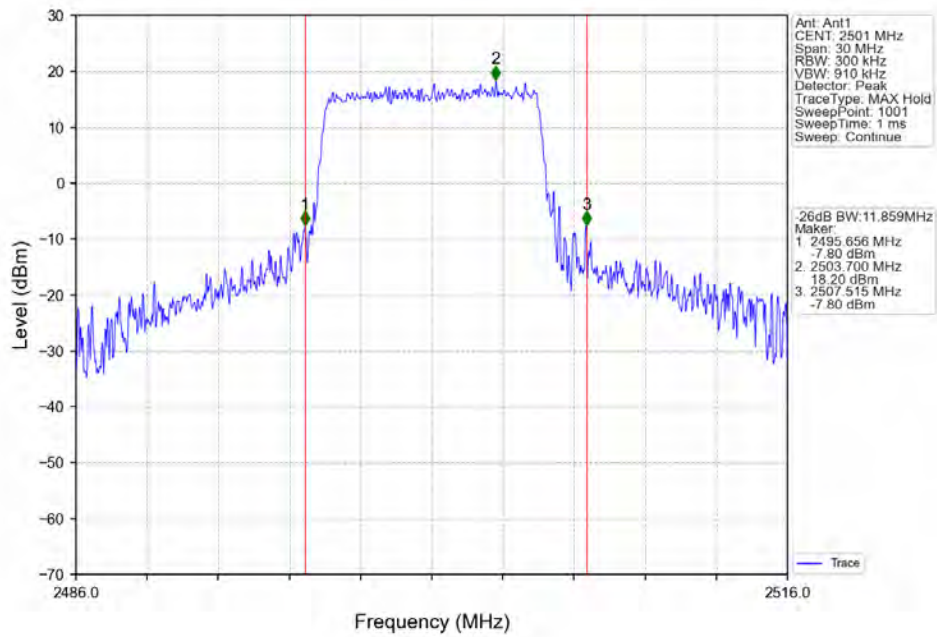
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



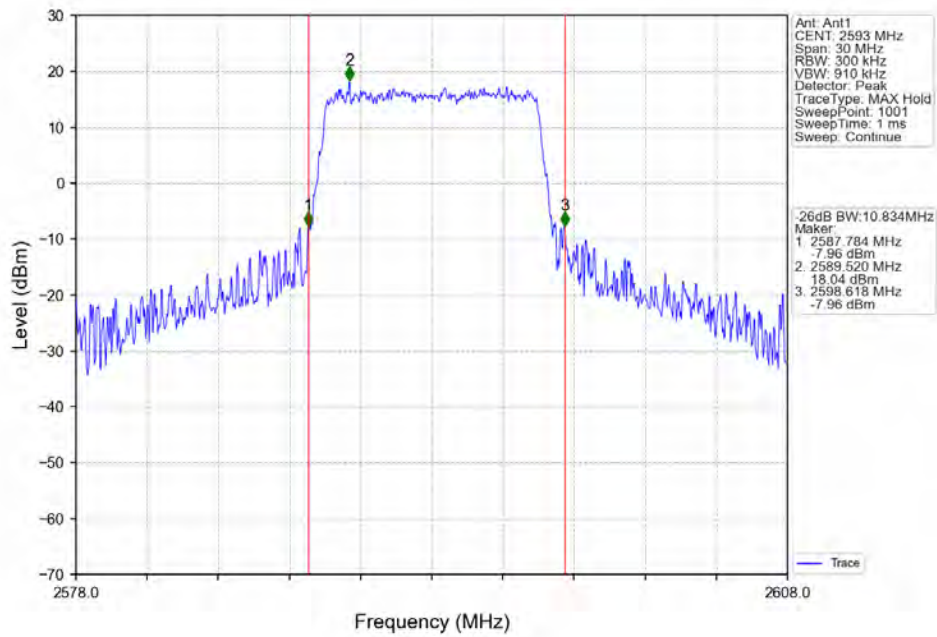
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTV



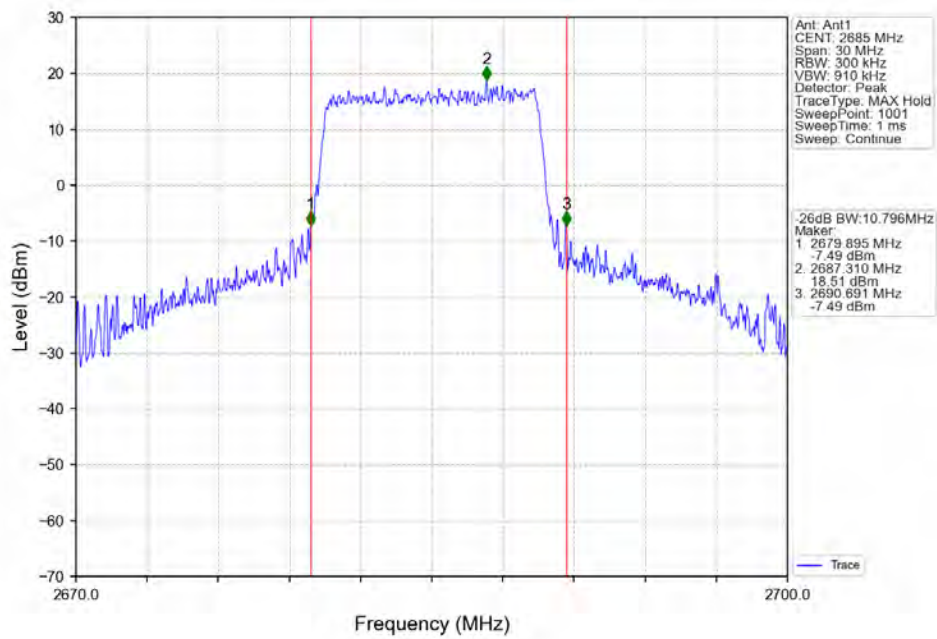
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTV



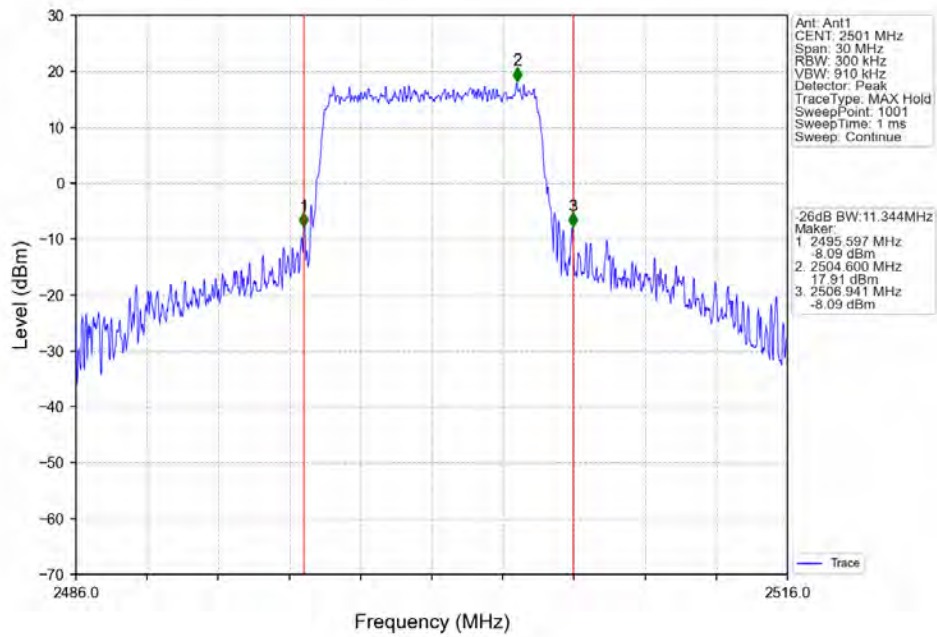
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



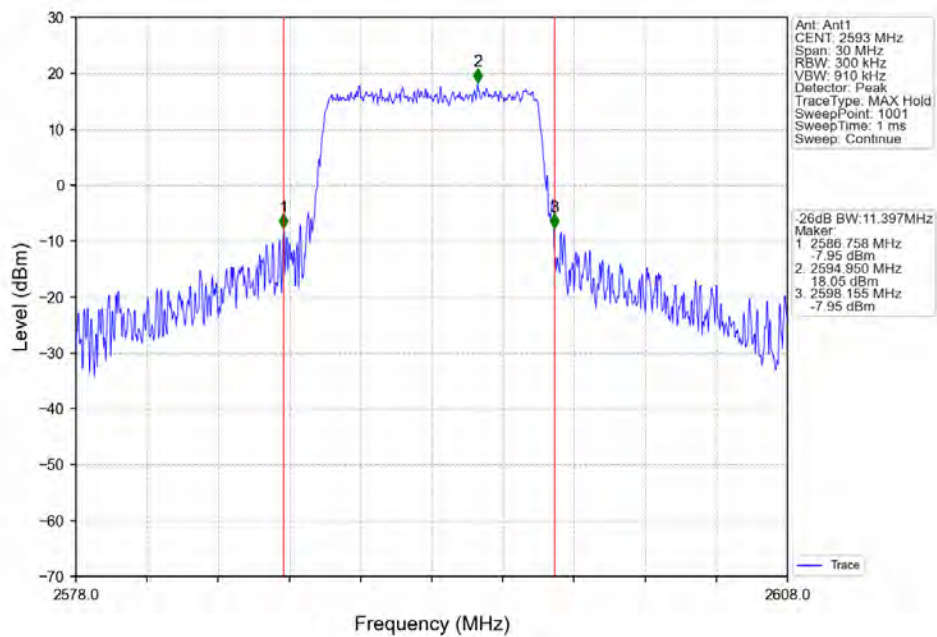
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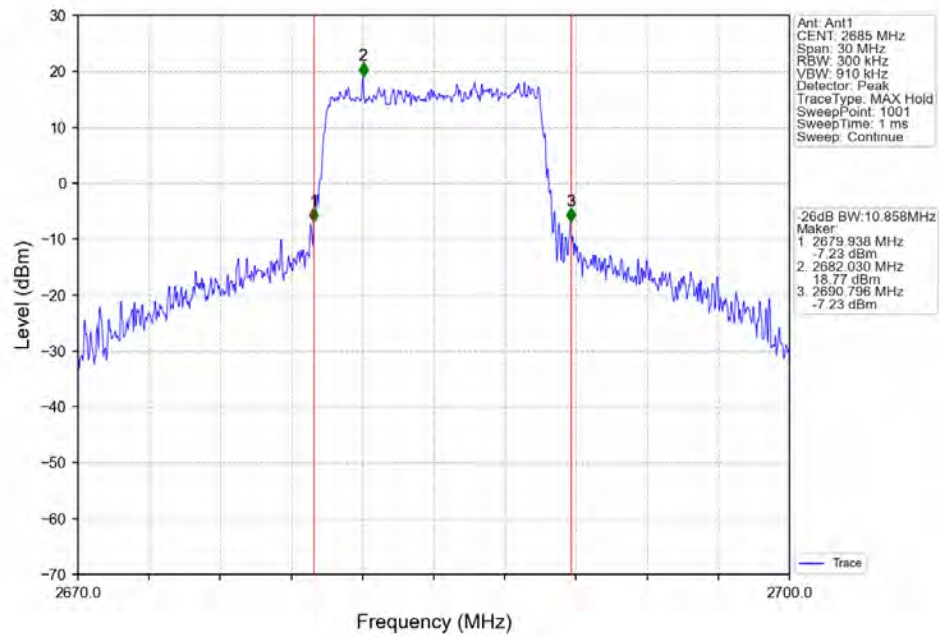
Band41 10MHz 64QAM LCH 2501MHz RB 50 0 NTNV



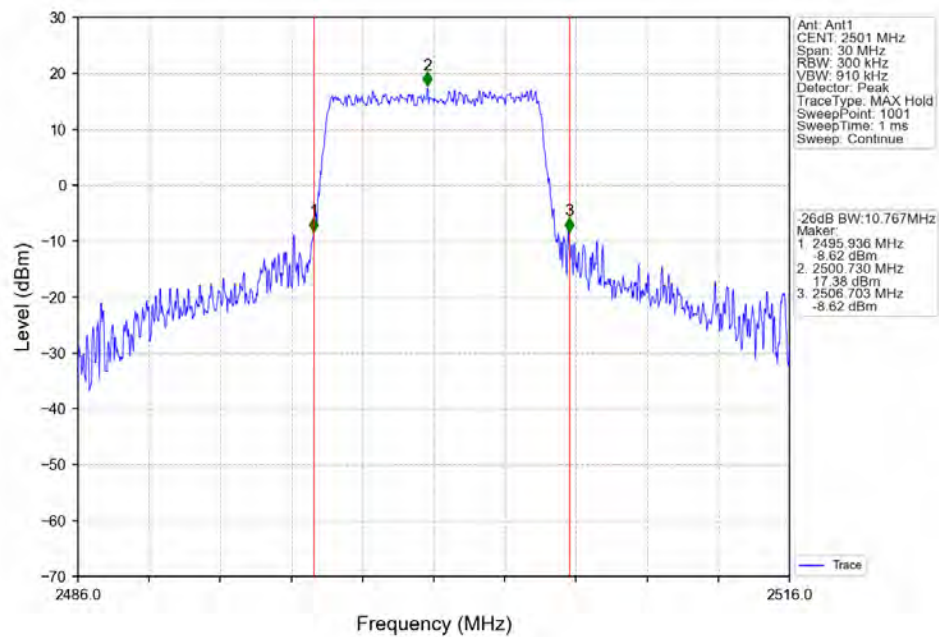
Band41 10MHz 64QAM MCH 2593MHz RB 50 0 NTNV



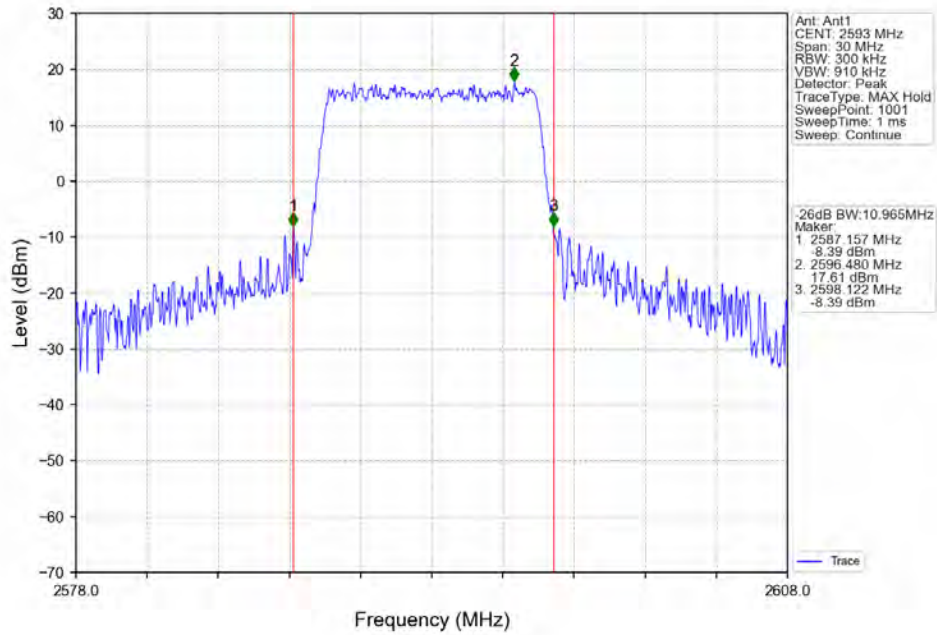
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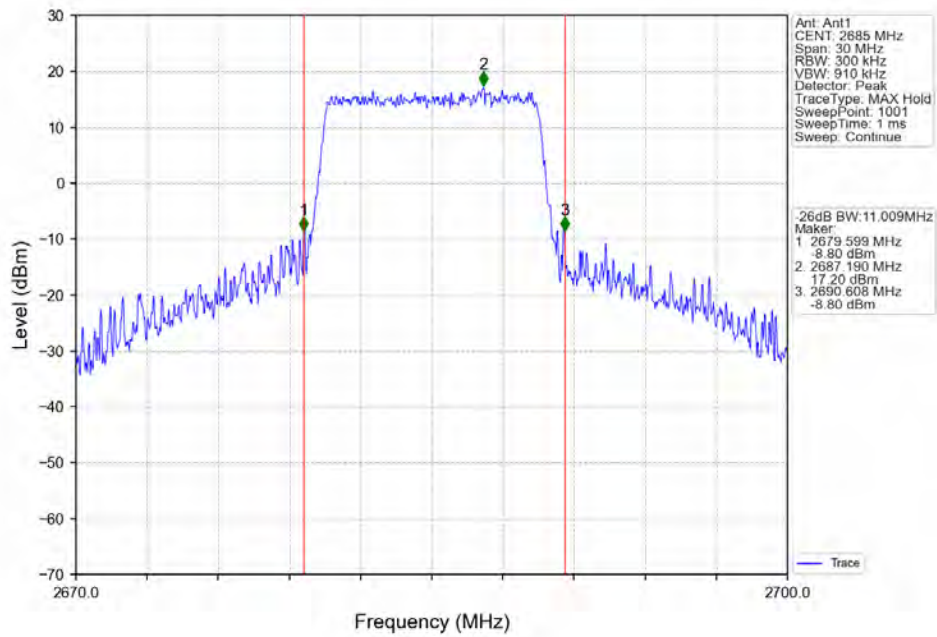
Band41 10MHz 256QAM LCH 2501MHz RB 50 0 NTNV



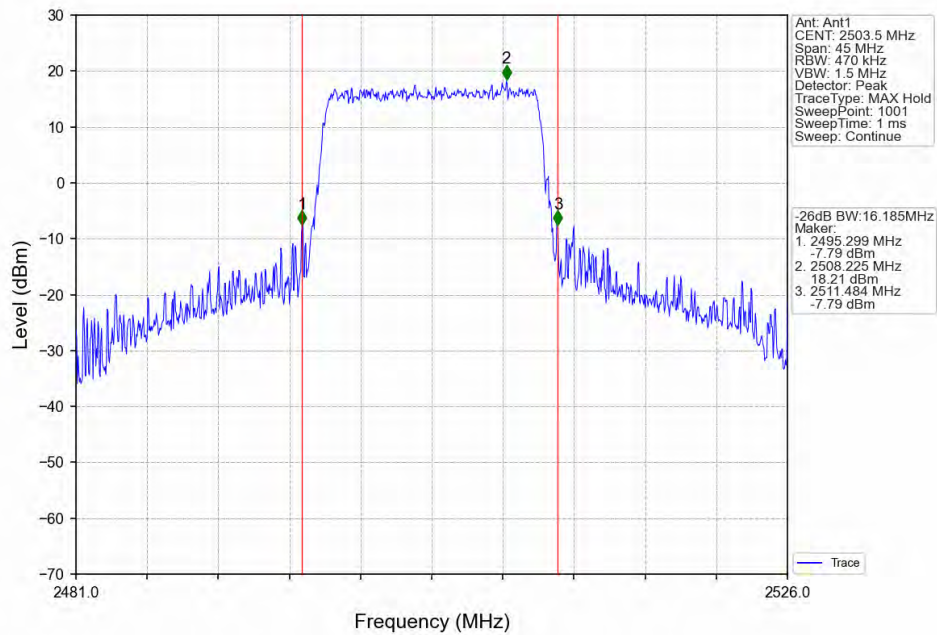
Band41 10MHz 256QAM MCH 2593MHz RB 50 0 NTNV



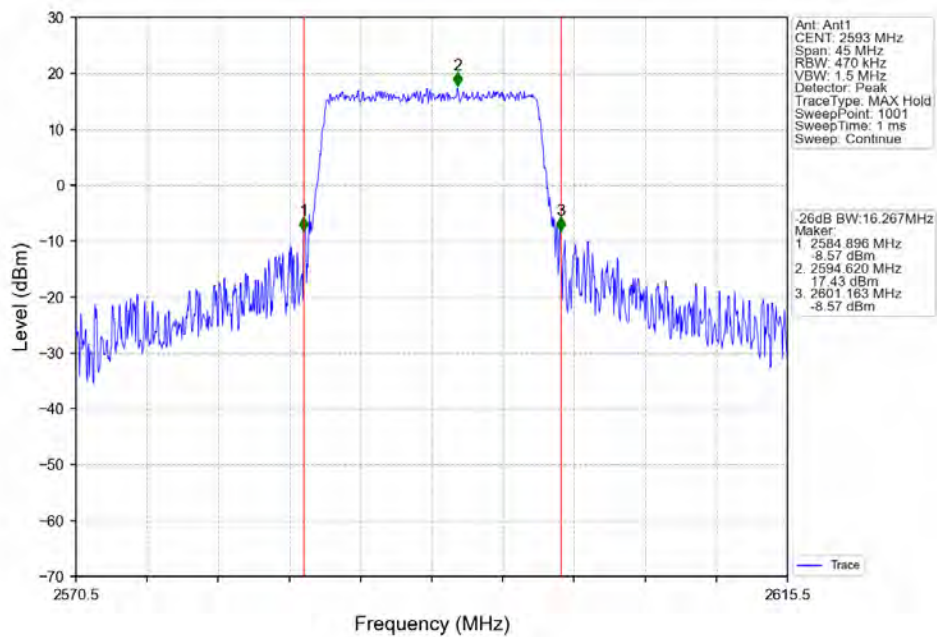
Band41 10MHz 256QAM HCH 2685MHz RB 50 0 NTNV



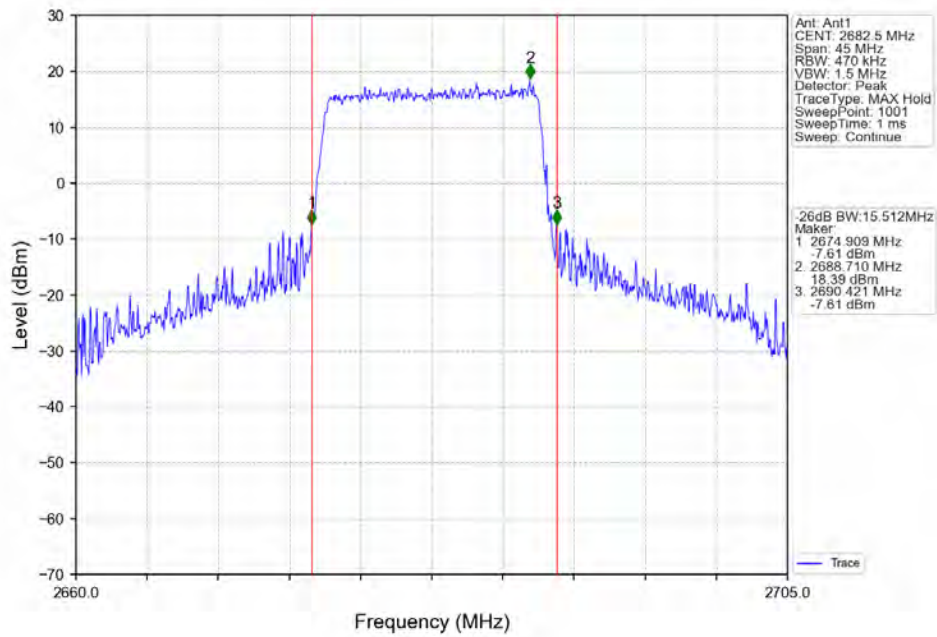
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTN



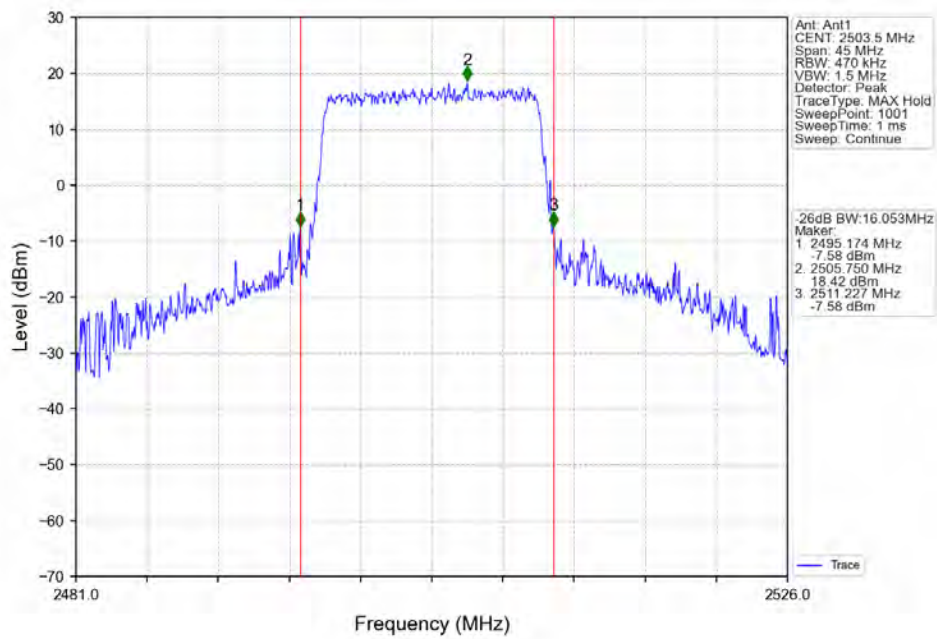
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTN



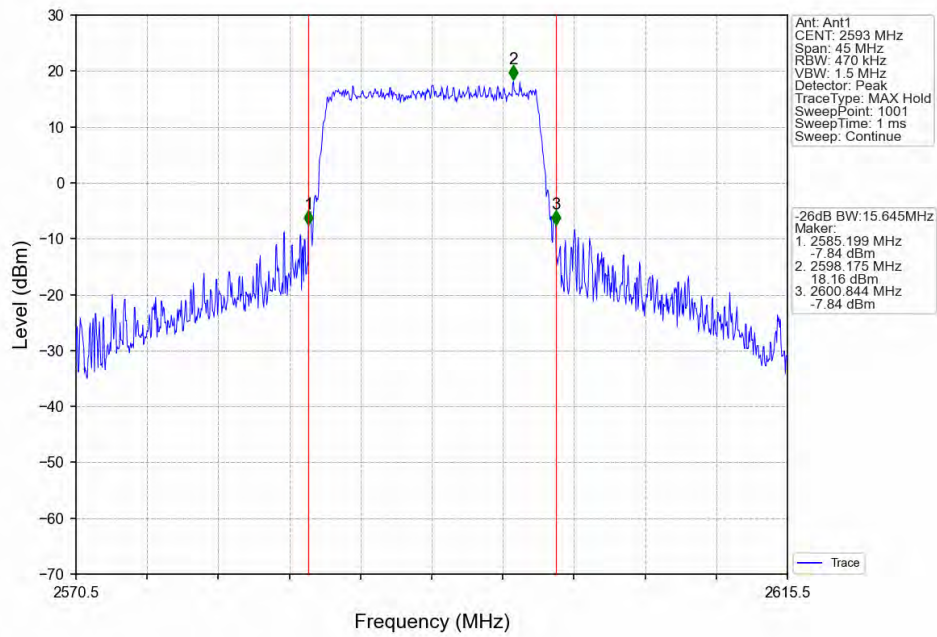
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



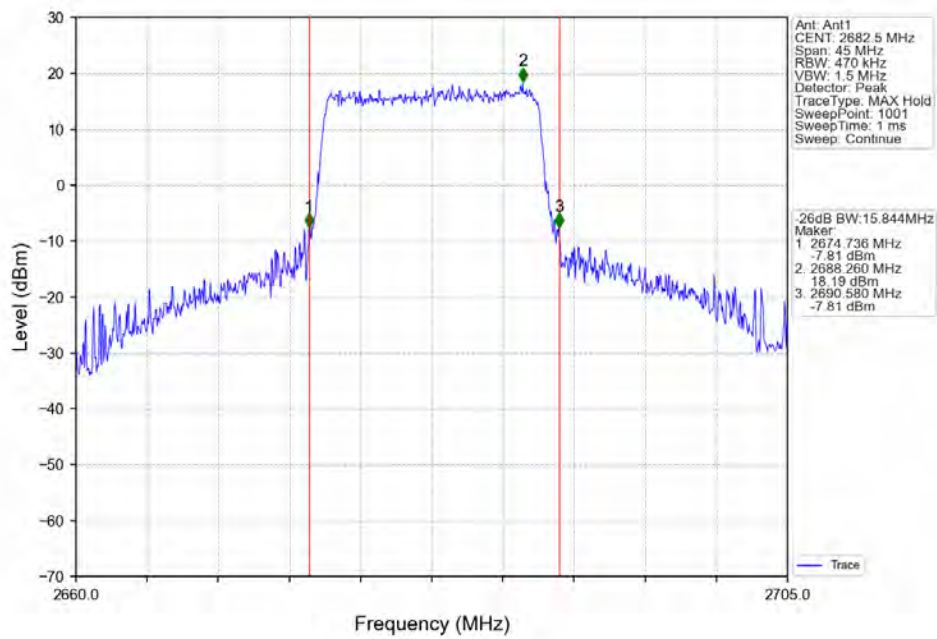
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



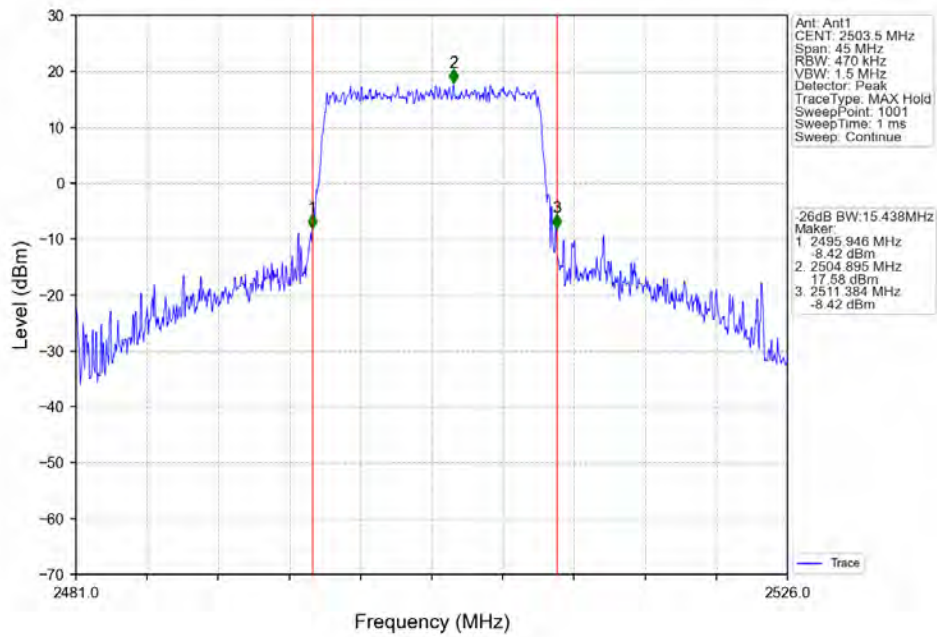
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



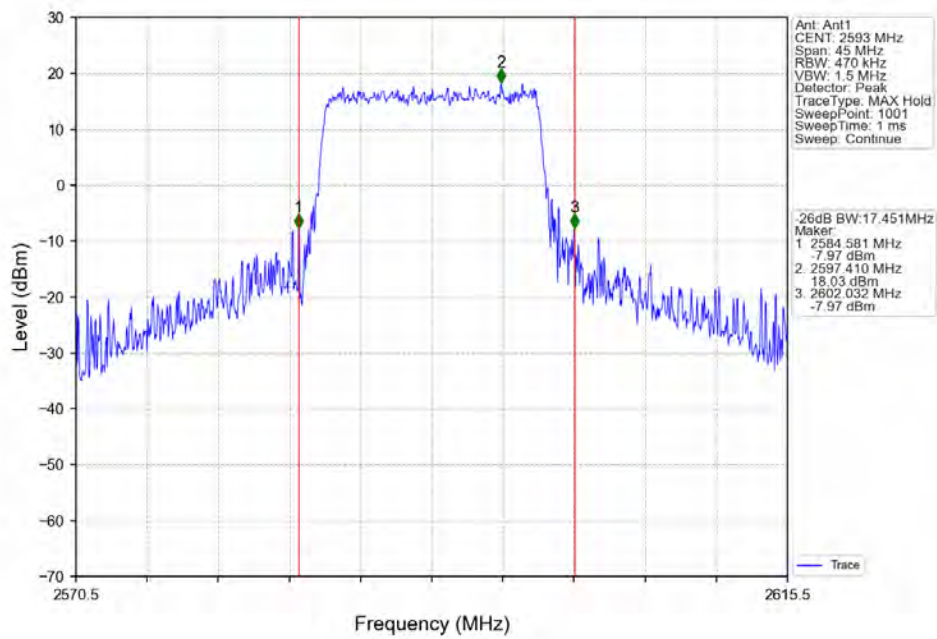
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



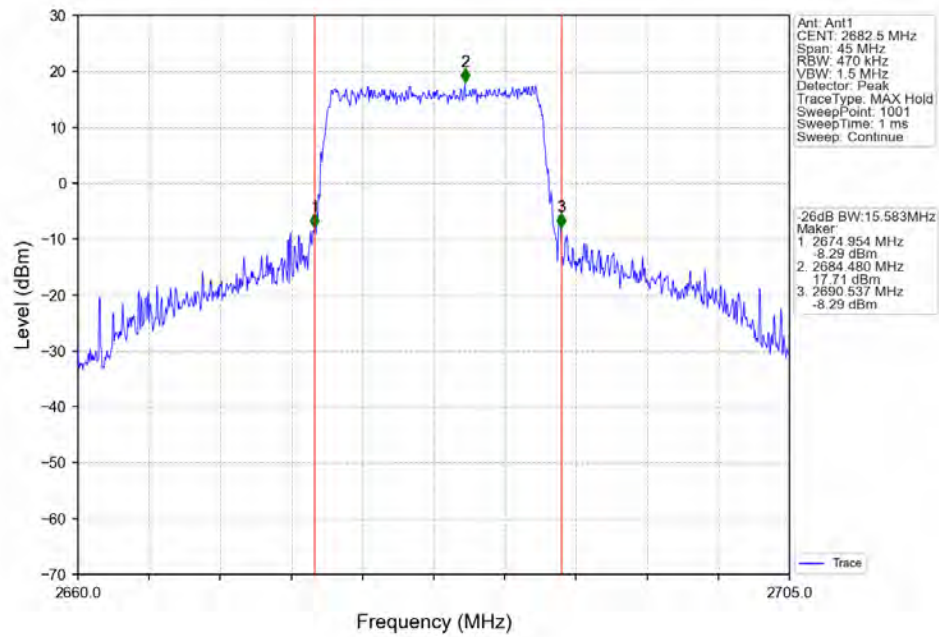
Band41 15MHz 64QAM LCH 2503.5MHz RB 75 0 NTV



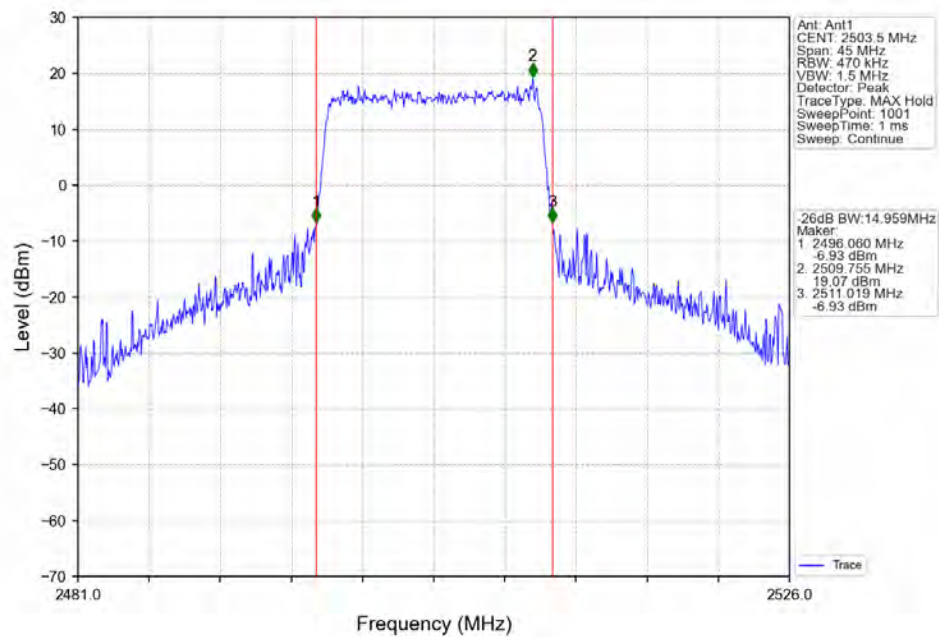
Band41 15MHz 64QAM MCH 2593MHz RB 75 0 NTV



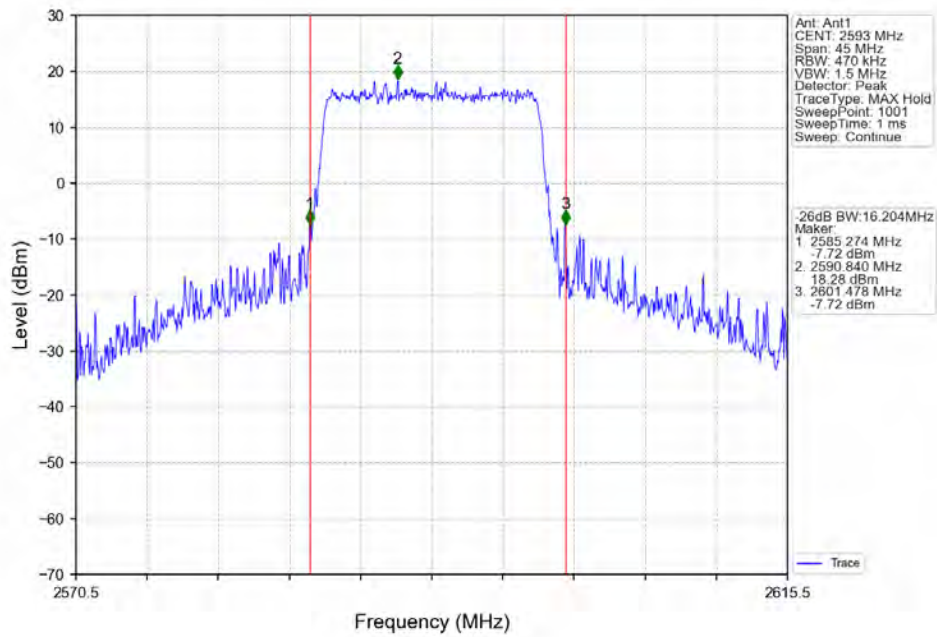
Band41 15MHz 64QAM HCH 2682.5MHz RB 75 0 NTNV



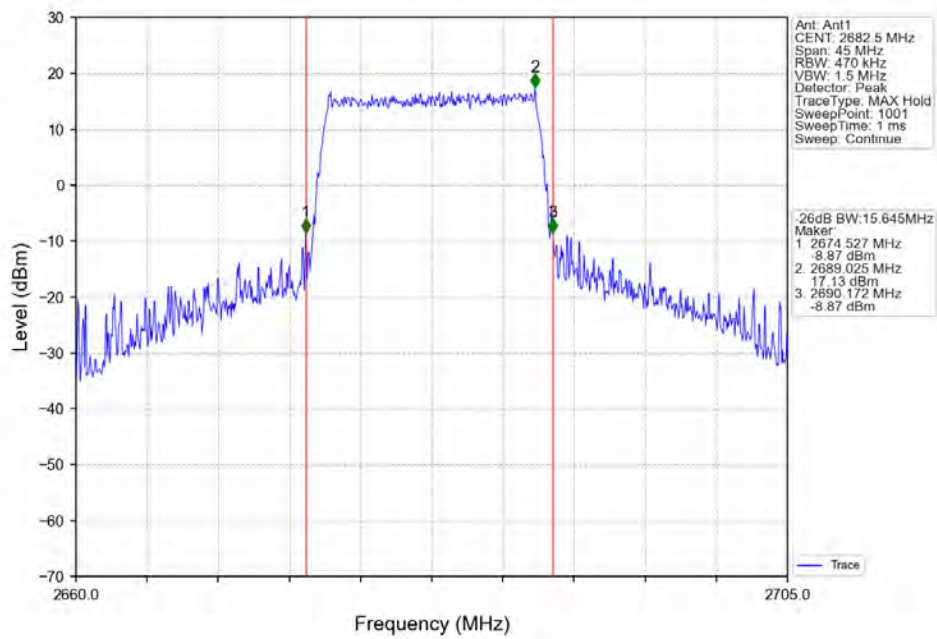
Band41 15MHz 256QAM LCH 2503.5MHz RB 75 0 NTNV



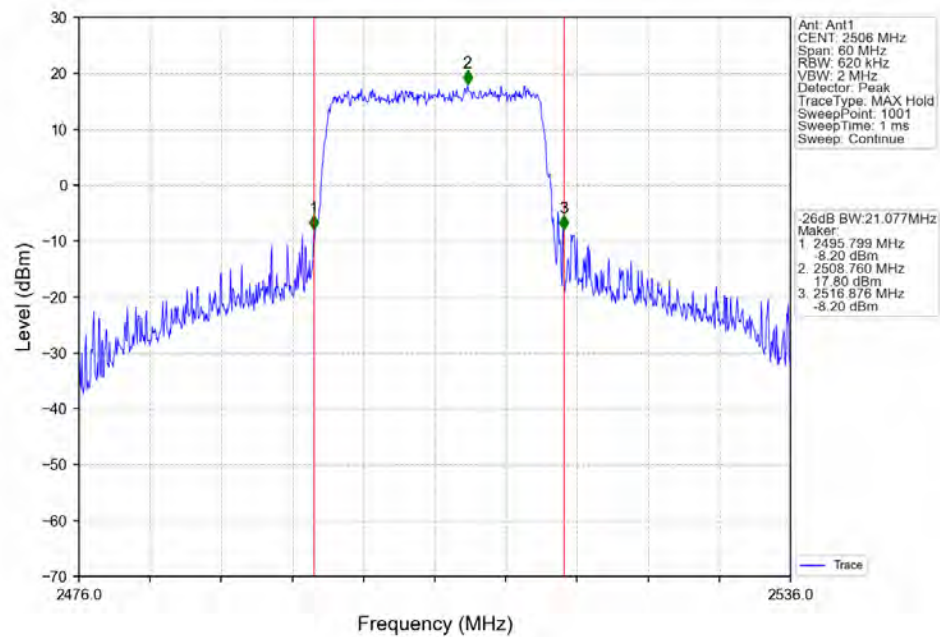
Band41 15MHz 256QAM MCH 2593MHz RB 75 0 NTNV



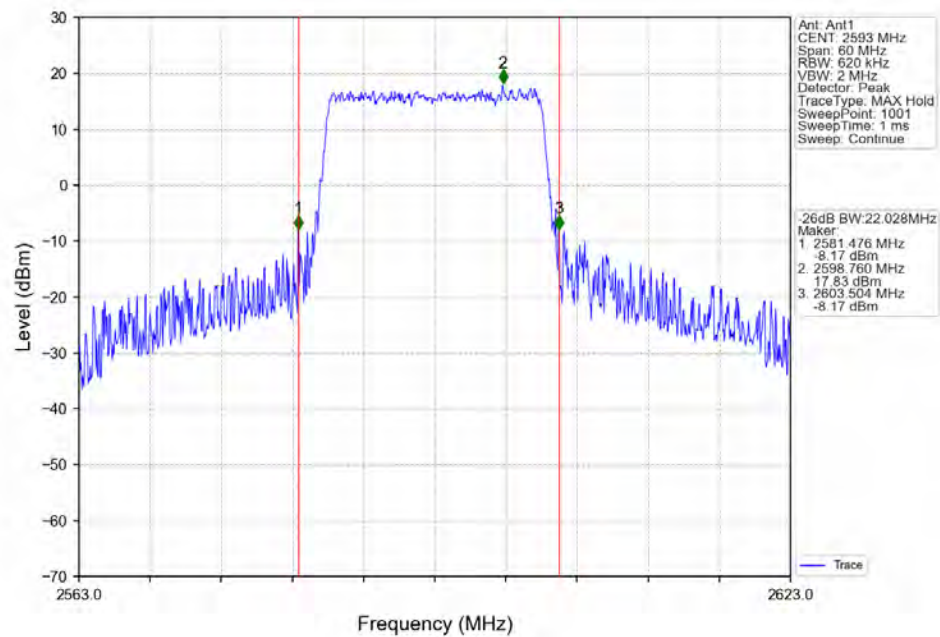
Band41 15MHz 256QAM HCH 2682.5MHz RB 75 0 NTNV



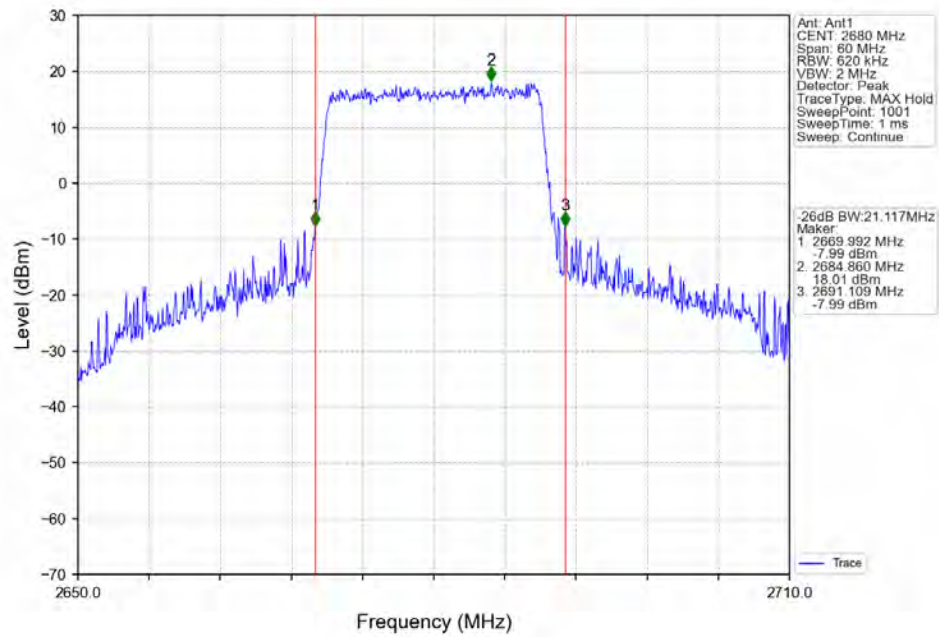
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



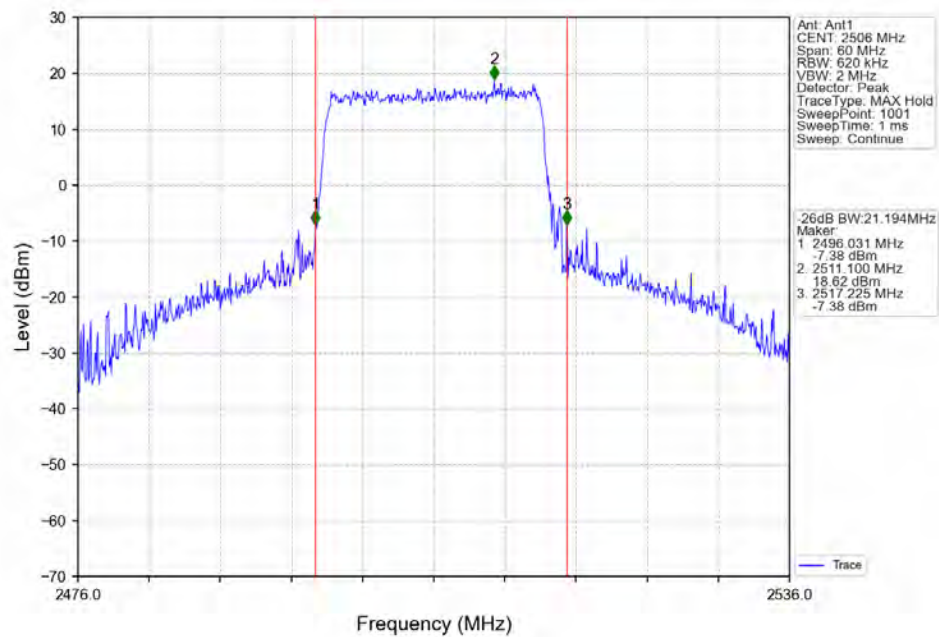
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



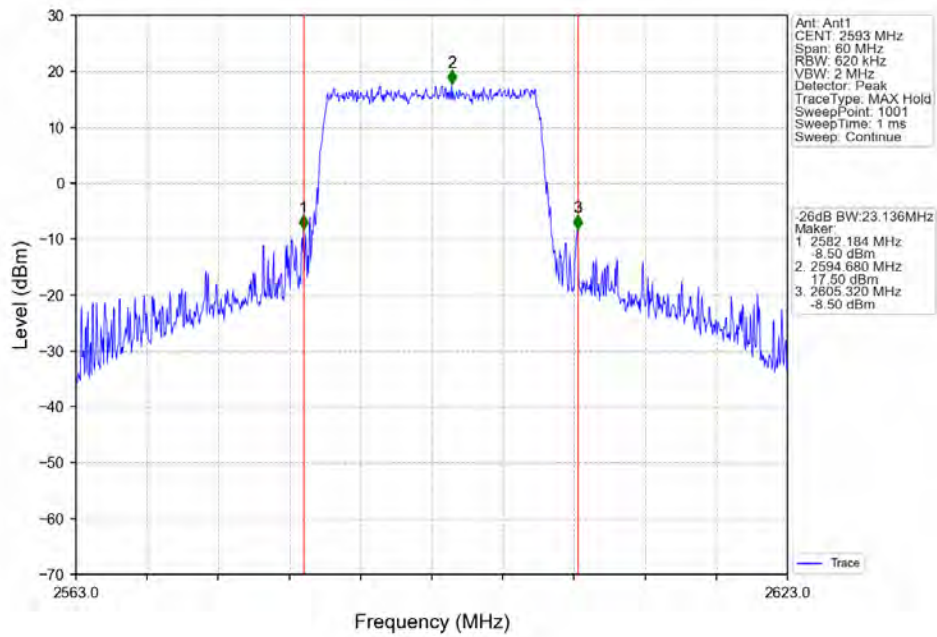
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



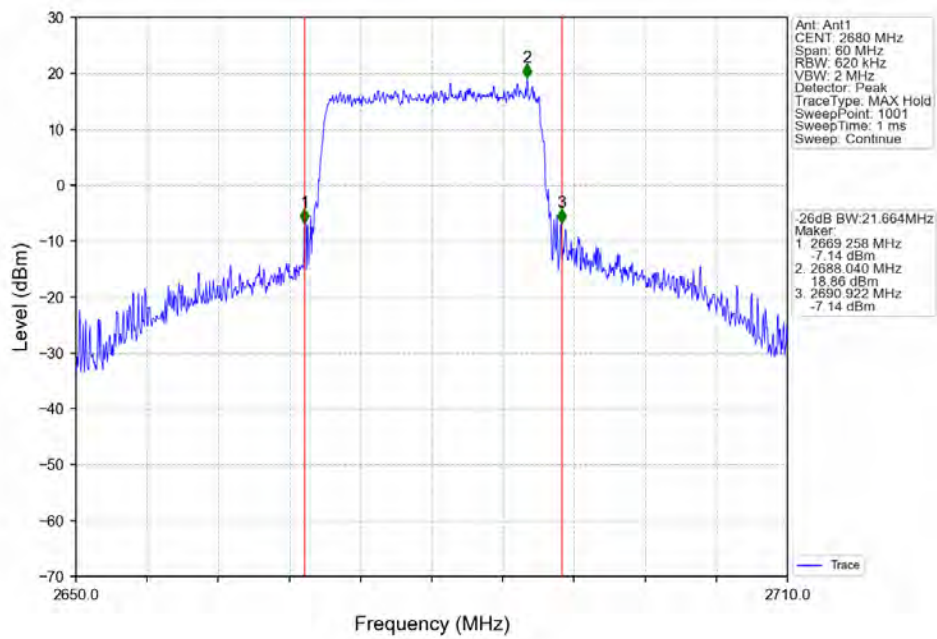
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



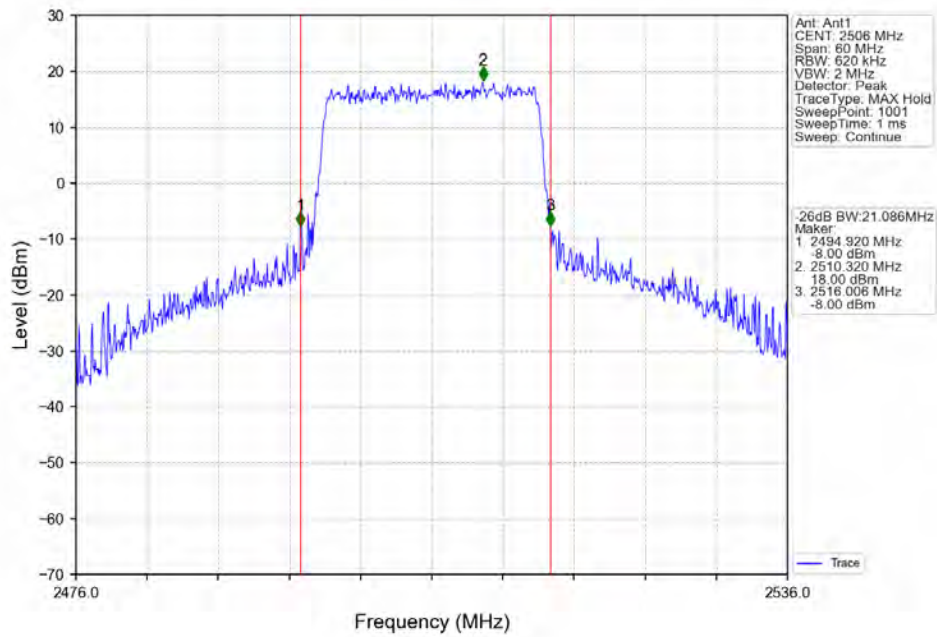
Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



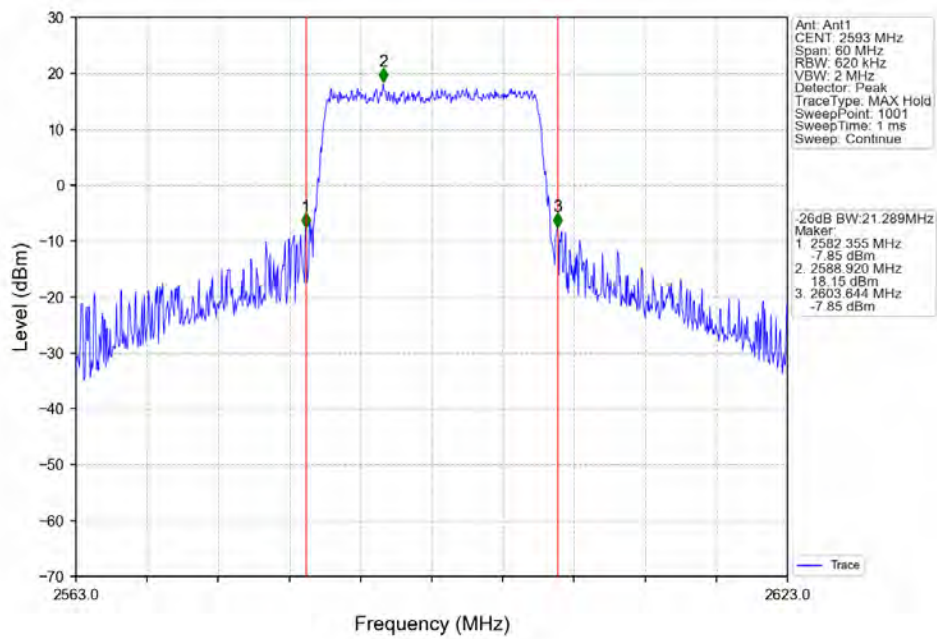
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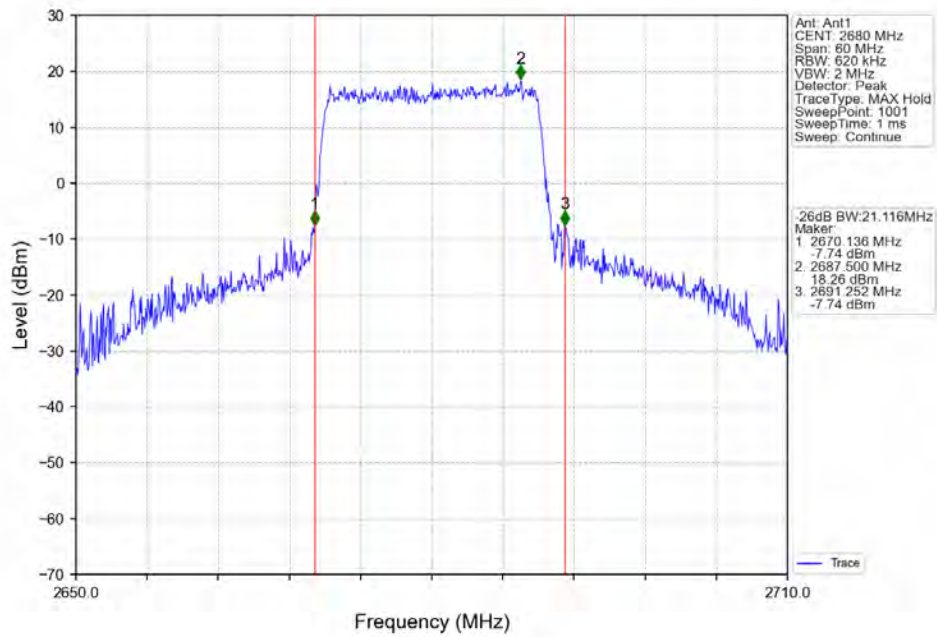
Band41 20MHz 64QAM LCH 2506MHz RB 100 0 NTN



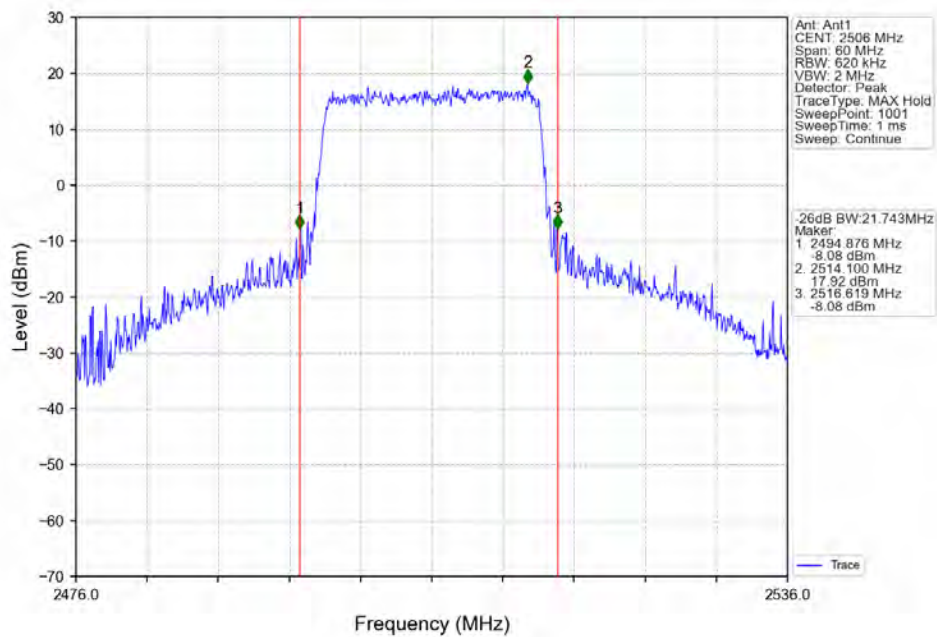
Band41 20MHz 64QAM MCH 2593MHz RB 100 0 NTN



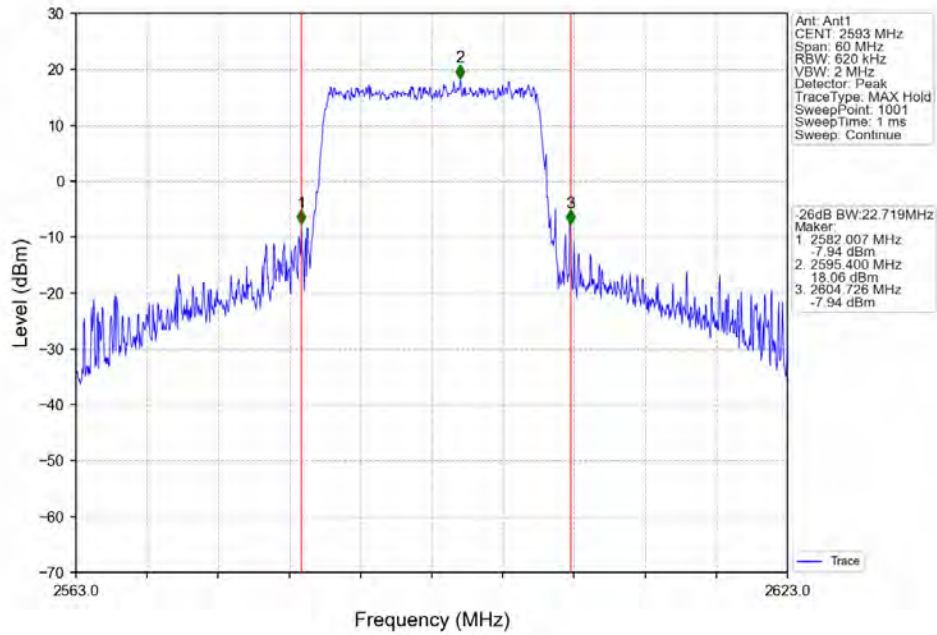
Band41 20MHz 64QAM HCH 2680MHz RB 100 0 NTNV



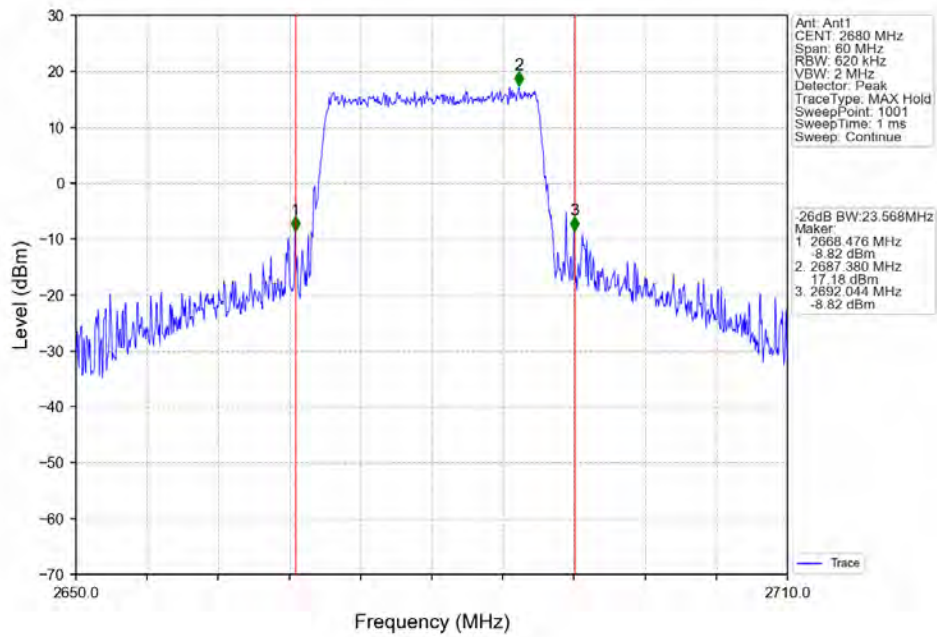
Band41 20MHz 256QAM LCH 2506MHz RB 100 0 NTNV



Band41 20MHz 256QAM MCH 2593MHz RB 100 0 NTN



Band41 20MHz 256QAM HCH 2680MHz RB 100 0 NTN



## 4. Peak-Average Ratio

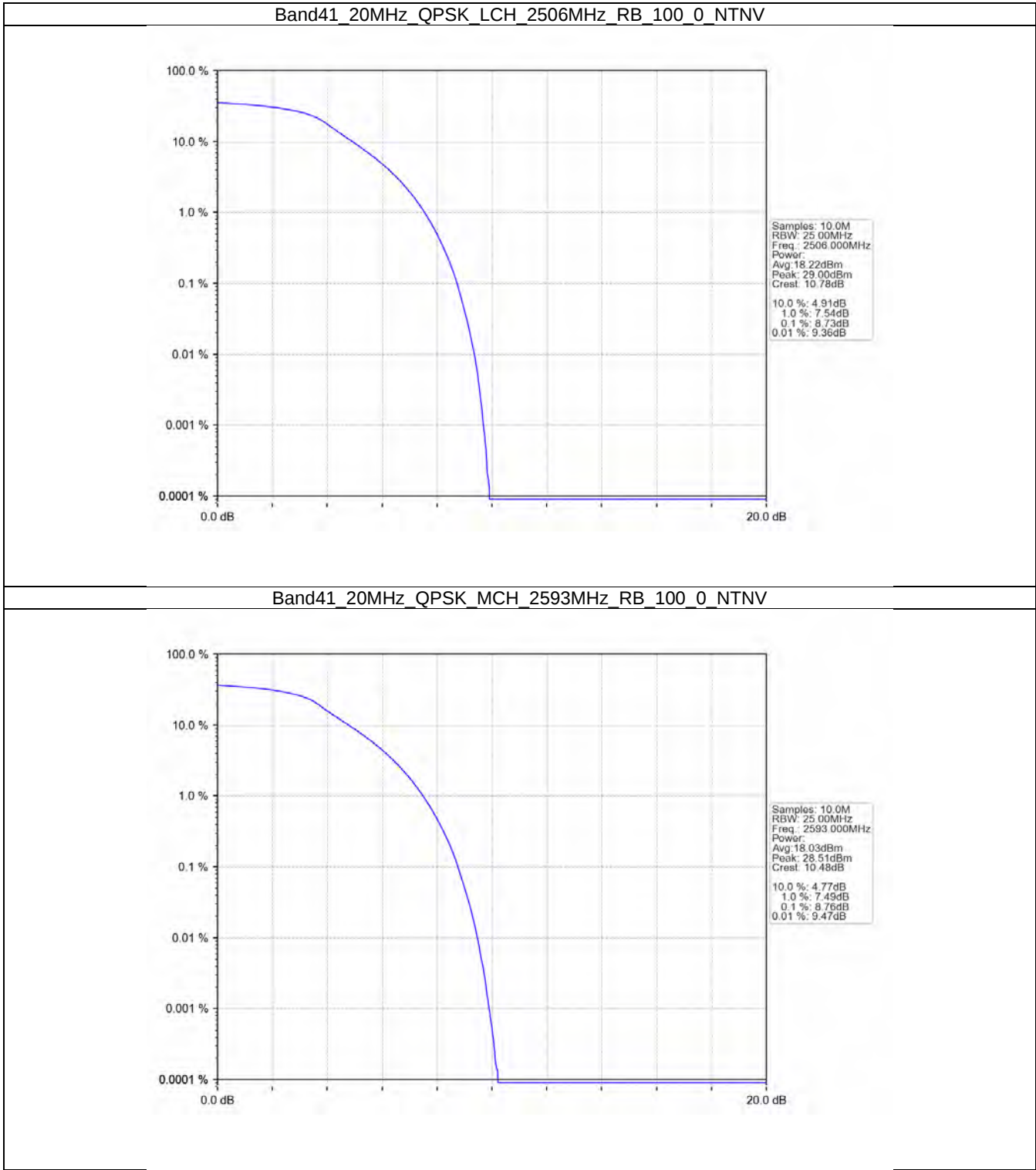
### 4.1 Test Result

#### 4.1.1 B41\_20MHz

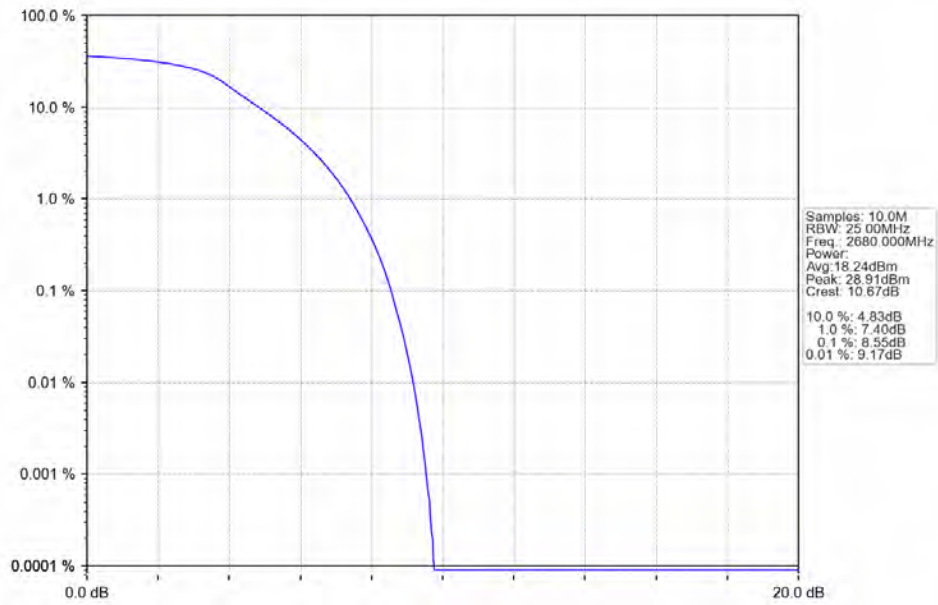
| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2506            | 100           | 0      | 8.73                    | <=13  | Pass    |
|                                    | 2593            | 100           | 0      | 8.76                    | <=13  | Pass    |
|                                    | 2680            | 100           | 0      | 8.55                    | <=13  | Pass    |
| 16QAM                              | 2506            | 100           | 0      | 9.32                    | <=13  | Pass    |
|                                    | 2593            | 100           | 0      | 9.75                    | <=13  | Pass    |
|                                    | 2680            | 100           | 0      | 9.40                    | <=13  | Pass    |
| 64QAM                              | 2506            | 100           | 0      | 9.66                    | <=13  | Pass    |
|                                    | 2593            | 100           | 0      | 9.95                    | <=13  | Pass    |
|                                    | 2680            | 100           | 0      | 9.45                    | <=13  | Pass    |
| 256QAM                             | 2506            | 100           | 0      | 9.62                    | <=13  | Pass    |
|                                    | 2593            | 100           | 0      | 9.76                    | <=13  | Pass    |
|                                    | 2680            | 100           | 0      | 9.46                    | <=13  | Pass    |

4.2 Test Graph

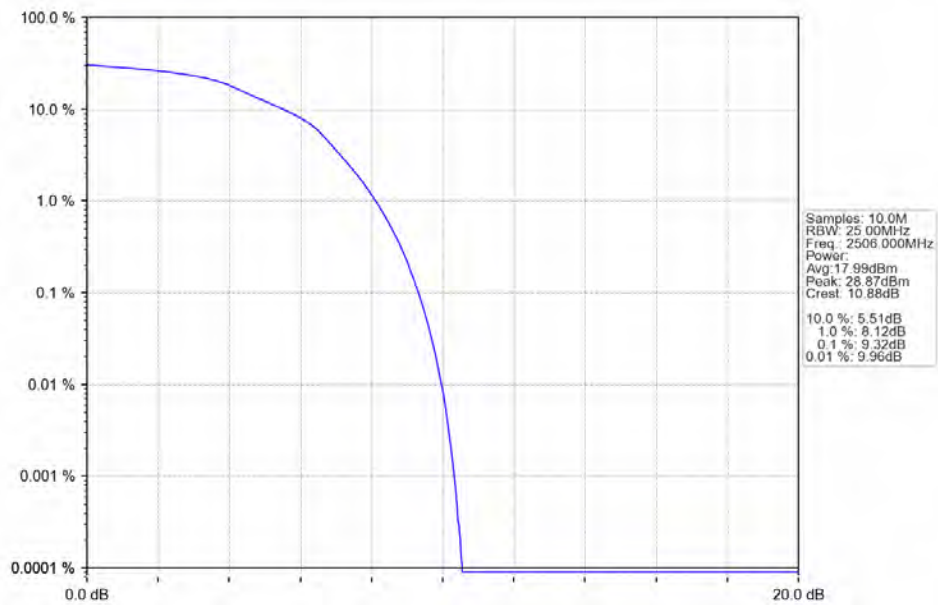
4.2.1 B41\_20MHz



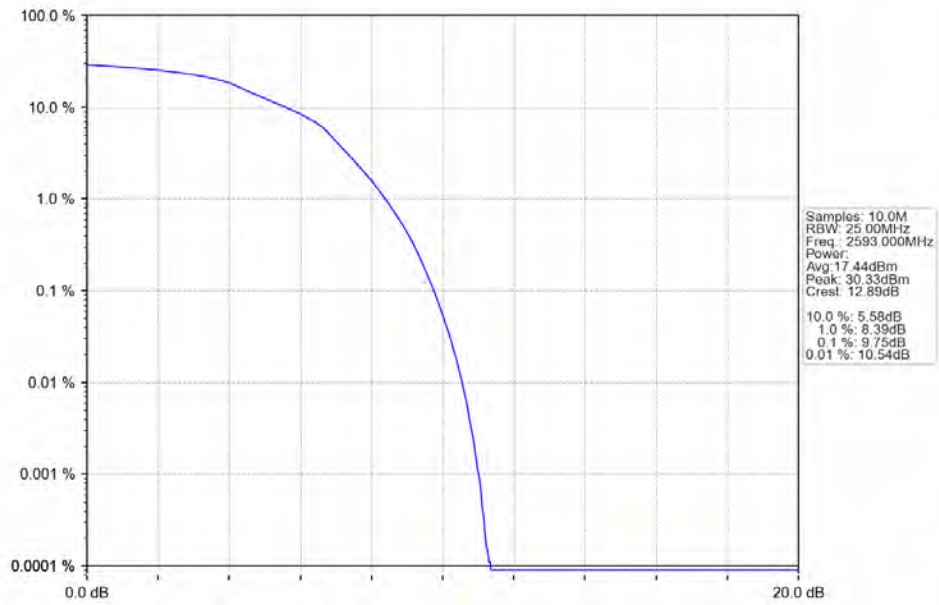
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTV



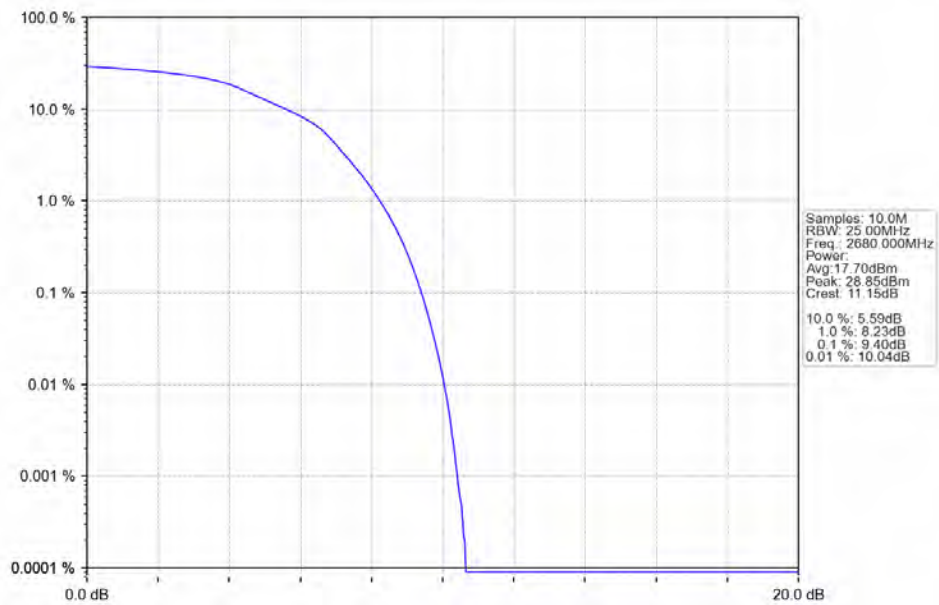
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTV



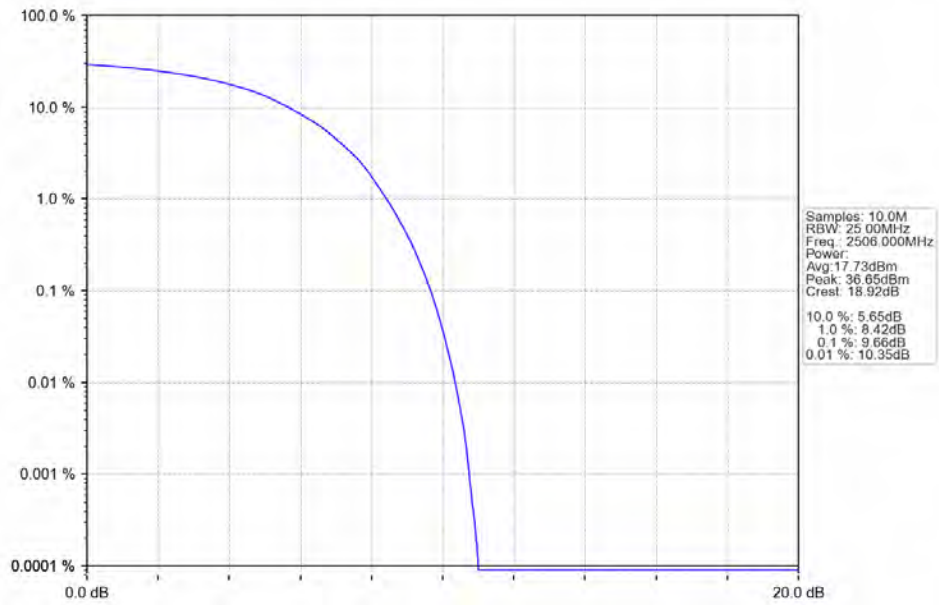
Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



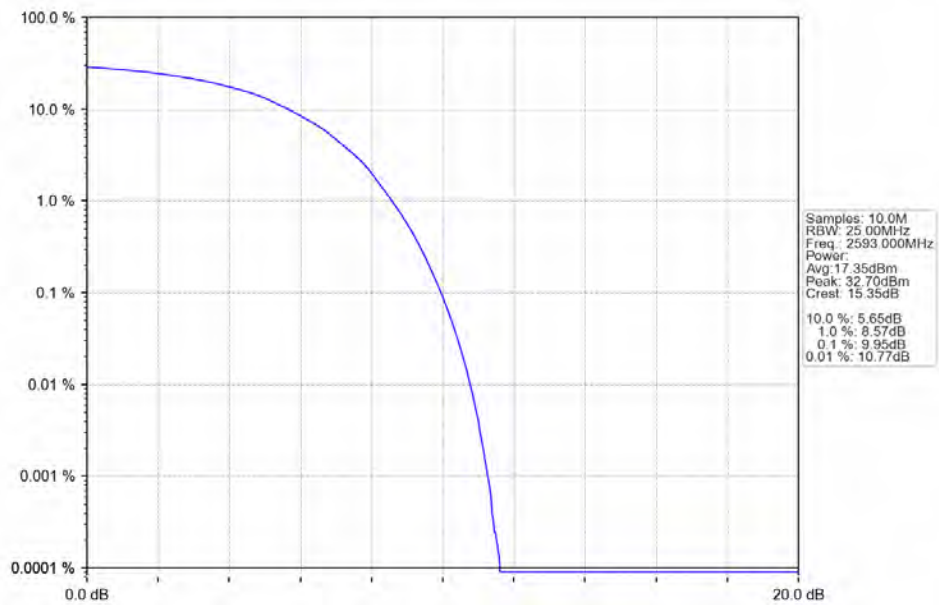
Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTNV



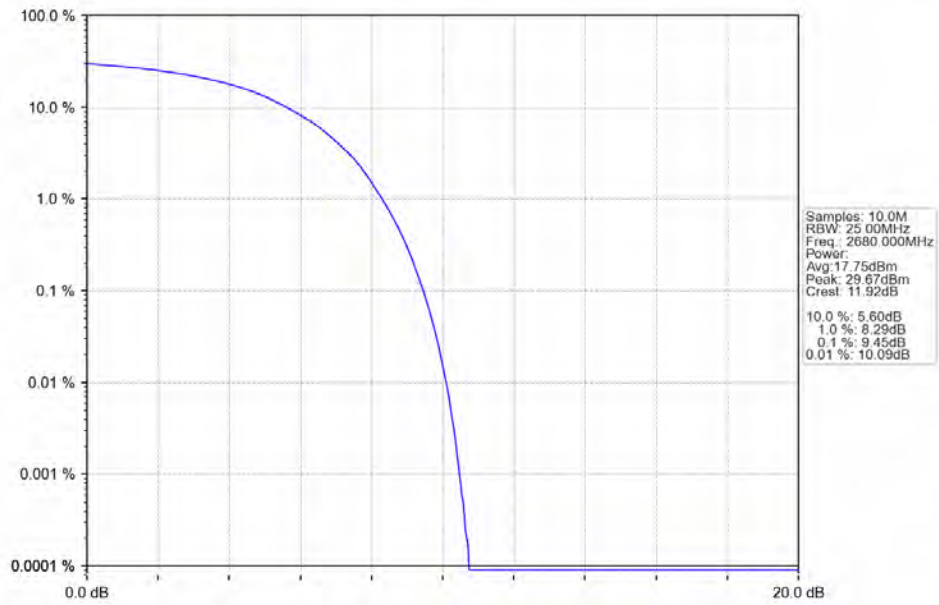
Band41 20MHz 64QAM LCH 2506MHz RB 100 0 NTNV



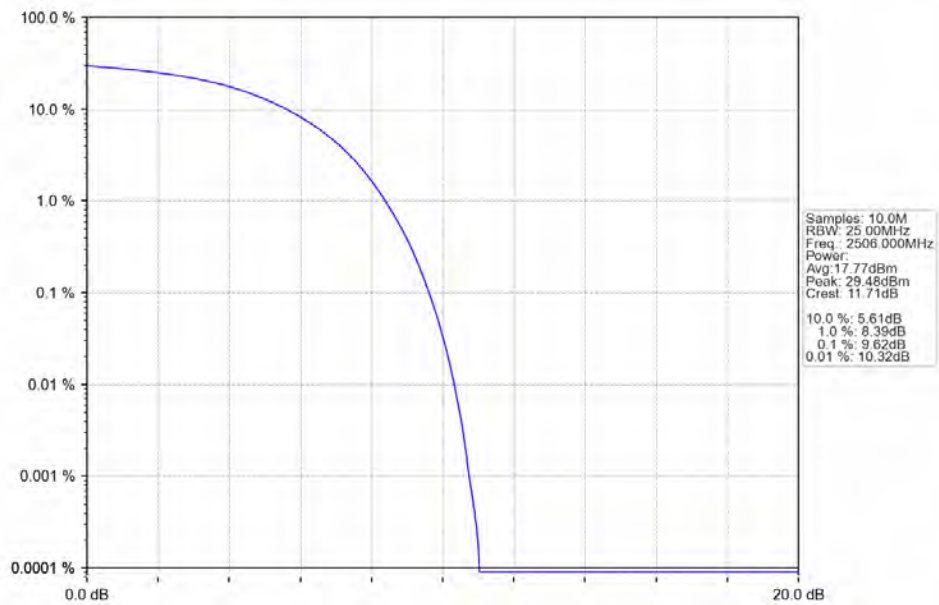
Band41 20MHz 64QAM MCH 2593MHz RB 100 0 NTNV



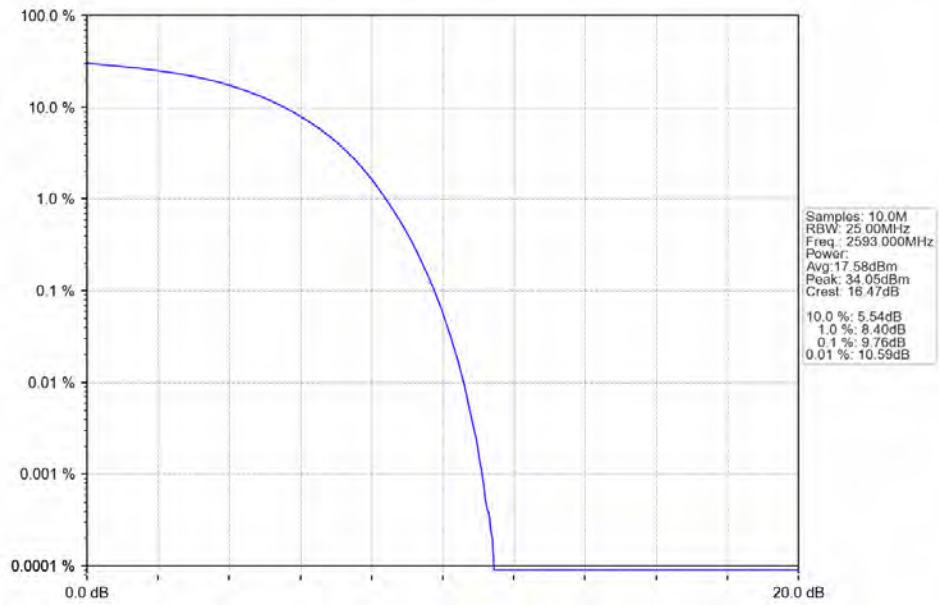
Band41 20MHz 64QAM HCH 2680MHz RB 100 0 NTNV



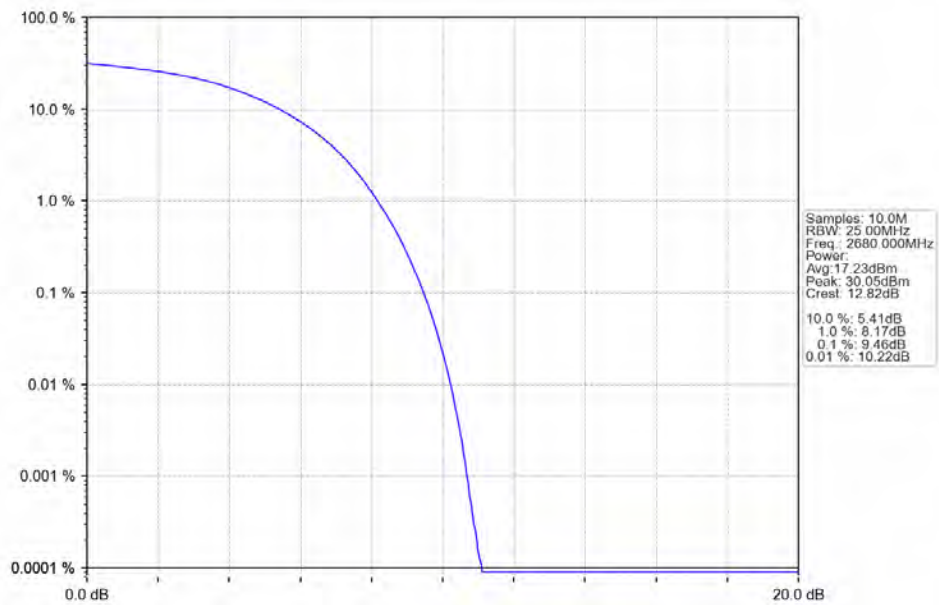
Band41 20MHz 256QAM LCH 2506MHz RB 100 0 NTNV



Band41 20MHz 256QAM MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 256QAM HCH 2680MHz RB 100 0 NTNV



## 5. Spurious Emission & Band Edges

### 5.1 Test Result

#### 5.1.1 B41\_5MHz

| Band: 41 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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 / 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    |

#### 5.1.3 B41\_15MHz

| 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    |

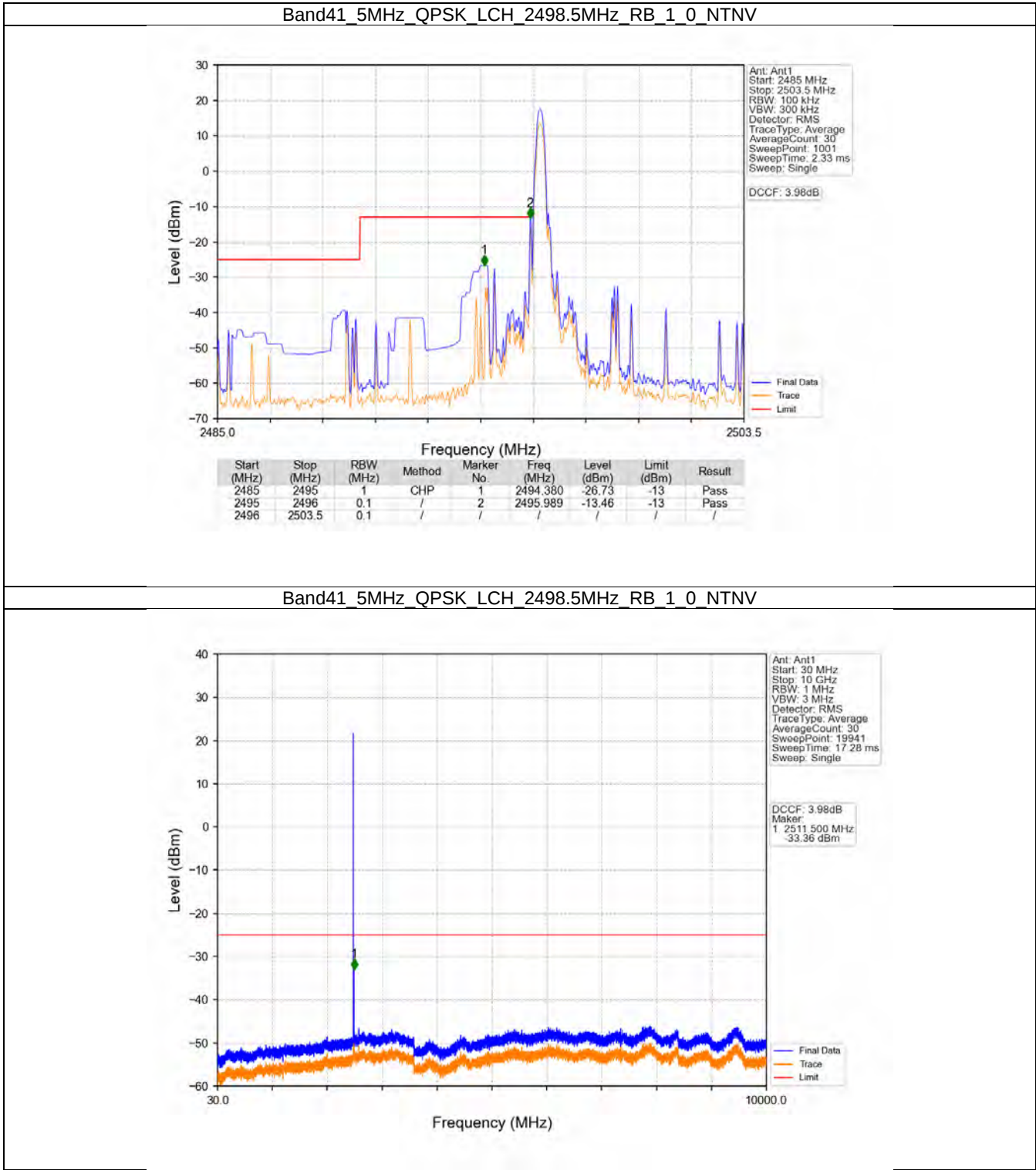
#### 5.1.4 B41\_20MHz

| 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    |

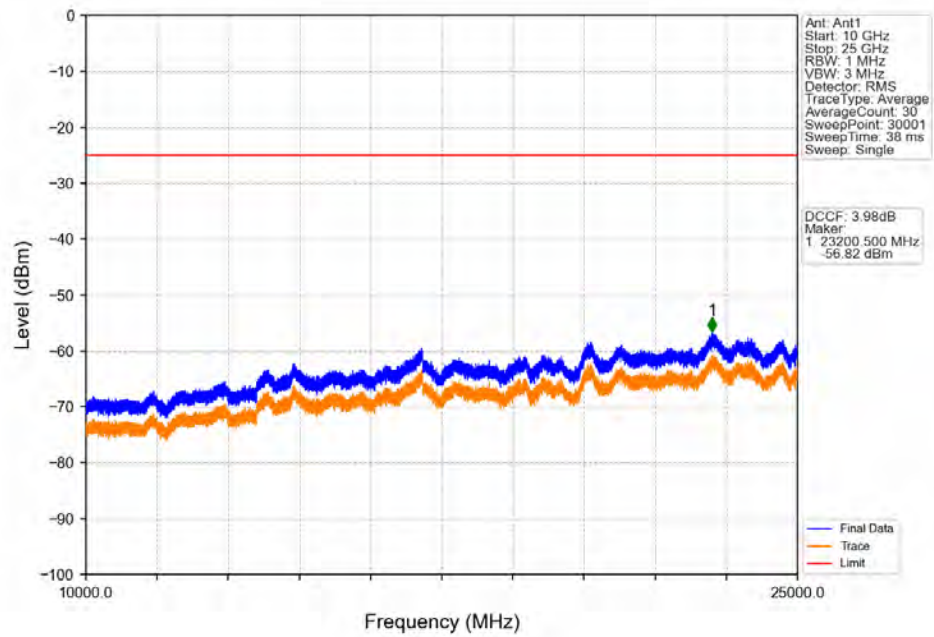


5.2 Test Graph

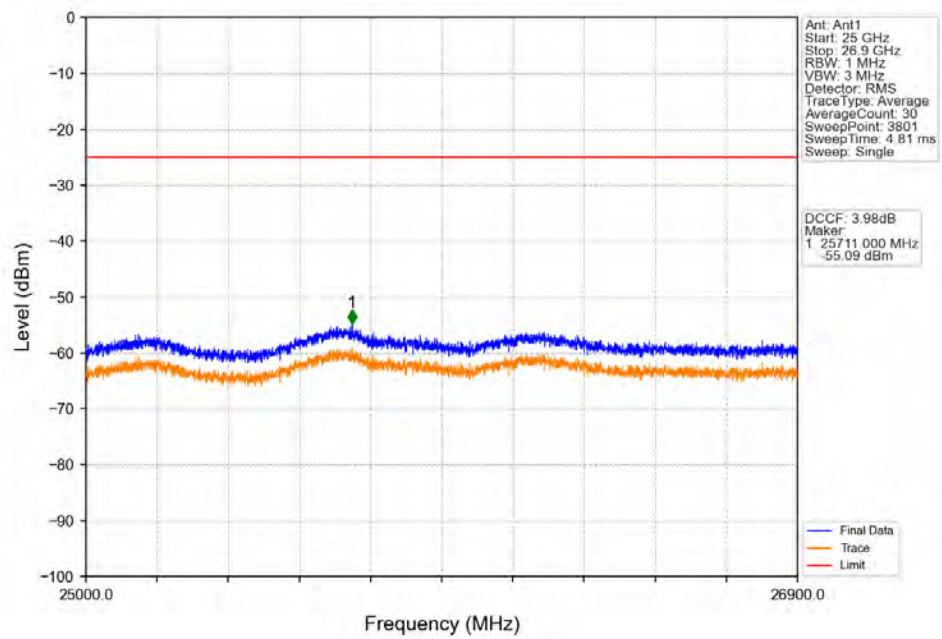
5.2.1 B41\_5MHz



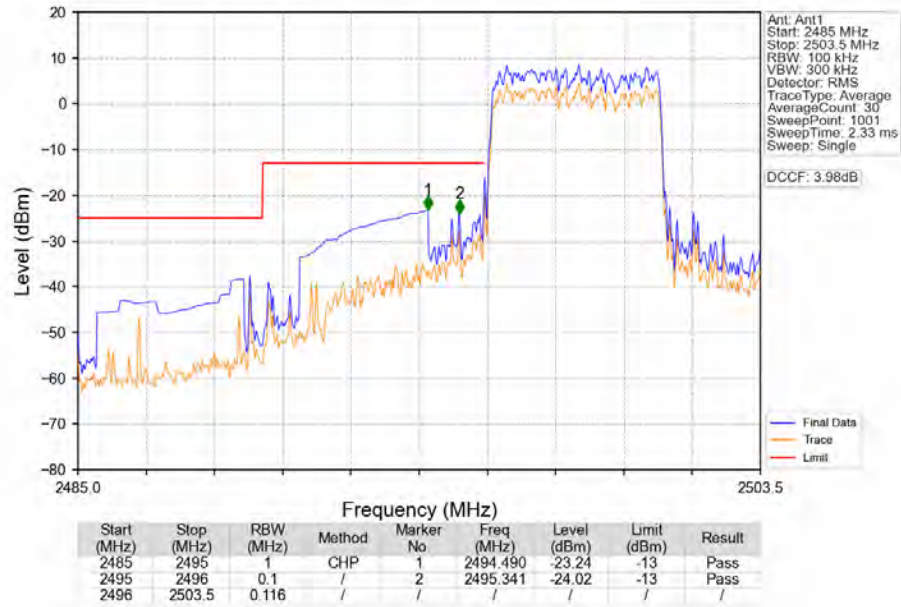
Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV



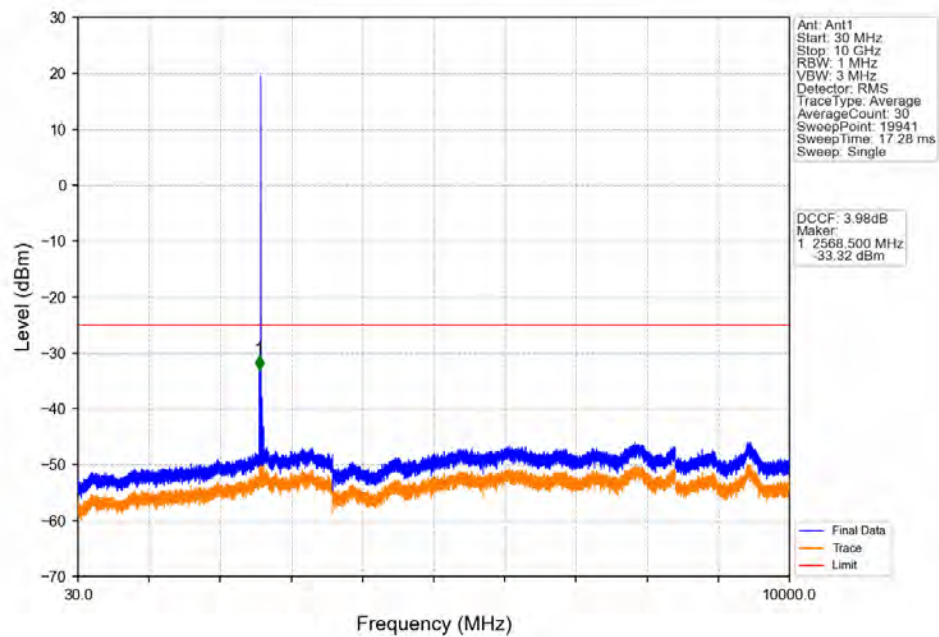
Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV



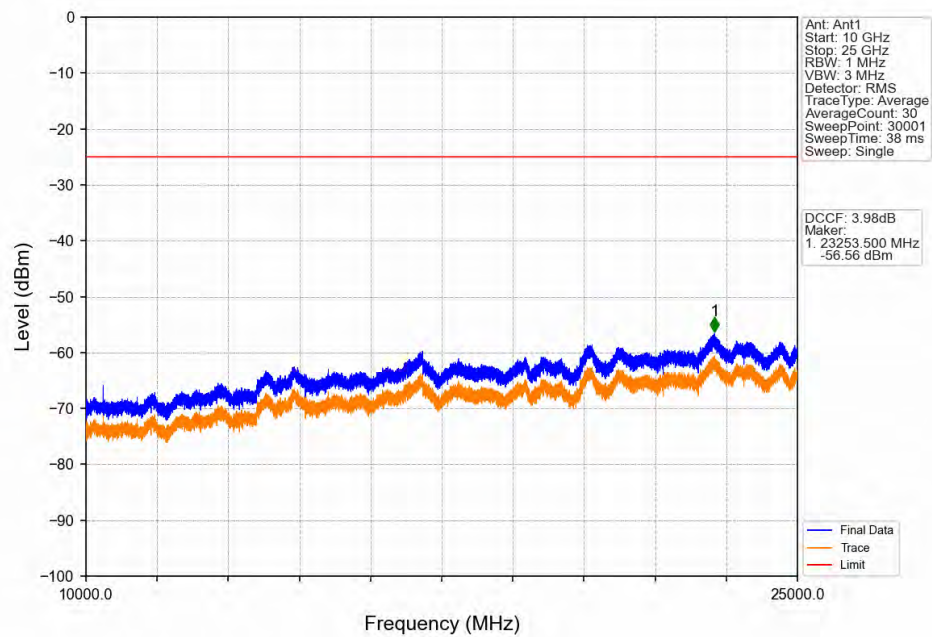
Band41 5MHz QPSK LCH 2498.5MHz RB 25 0 NTNV



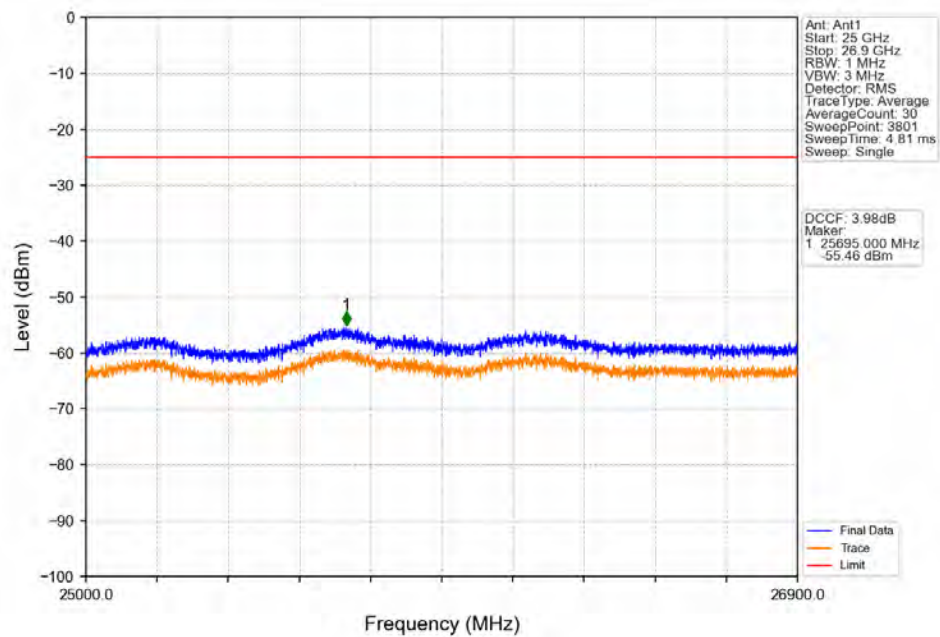
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTNV



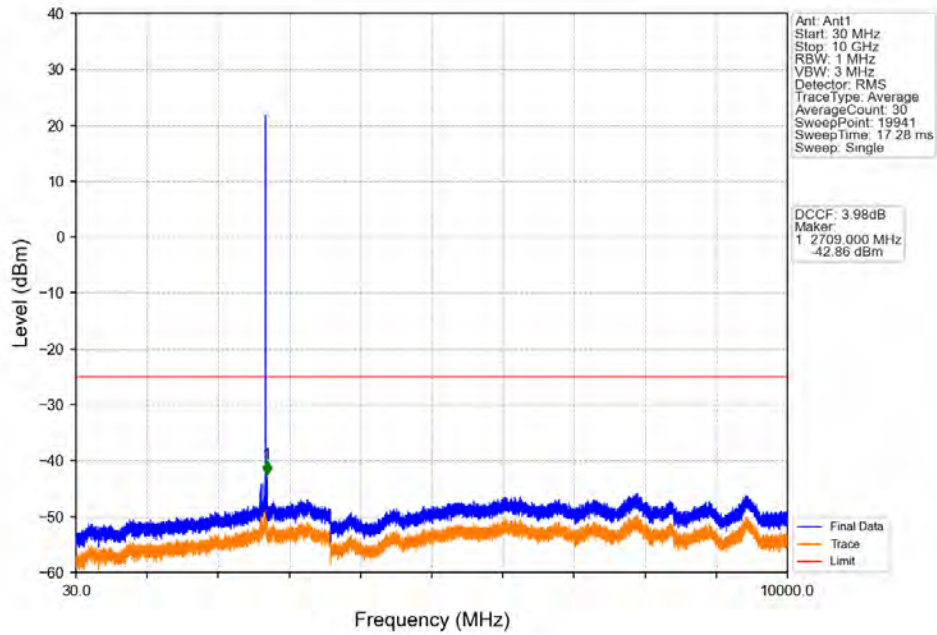
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTN



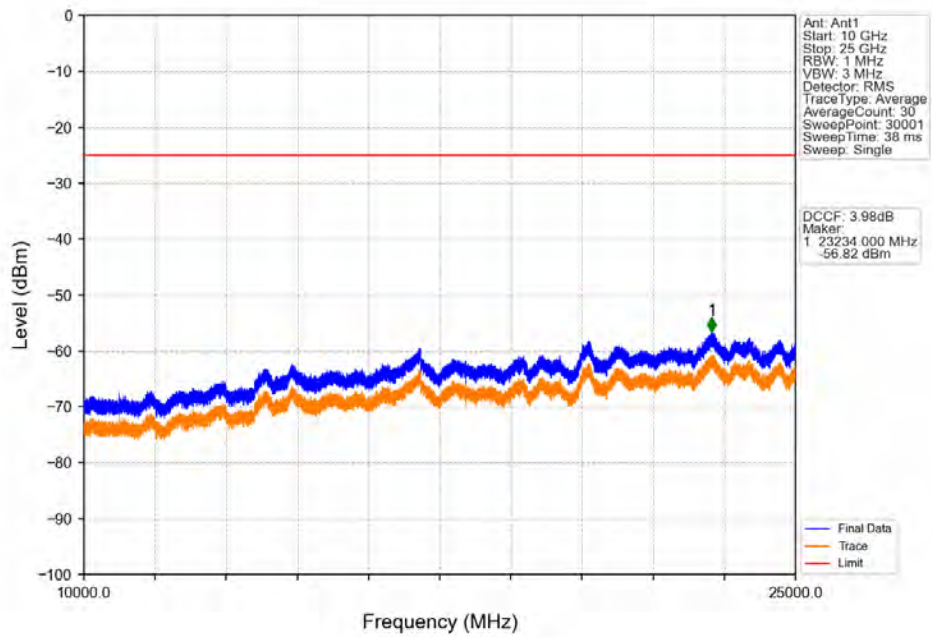
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTN



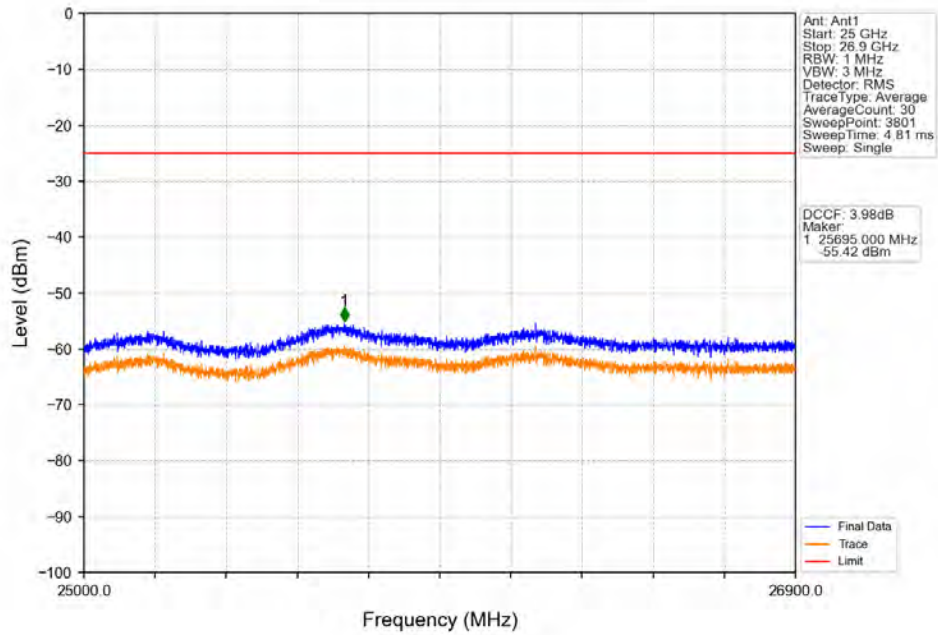
Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV



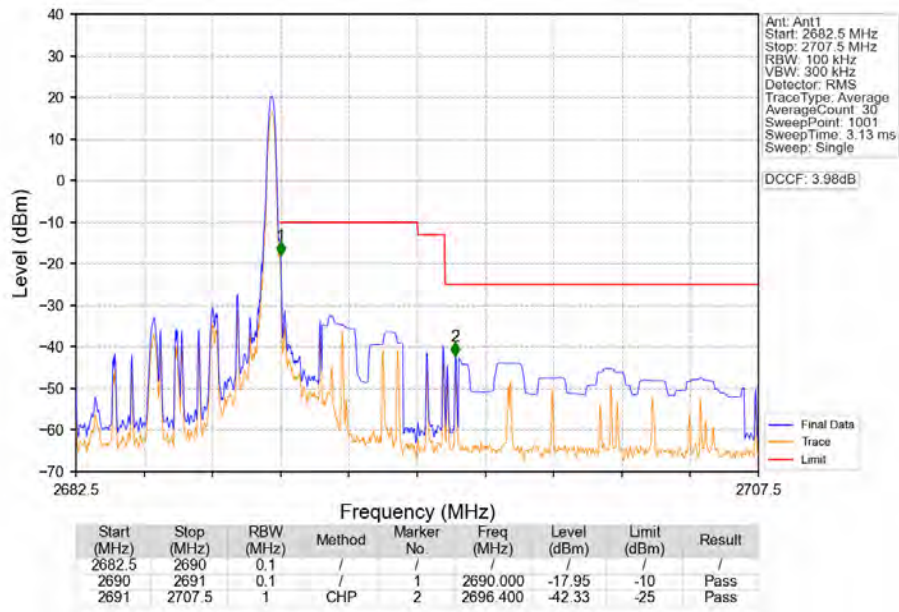
Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV

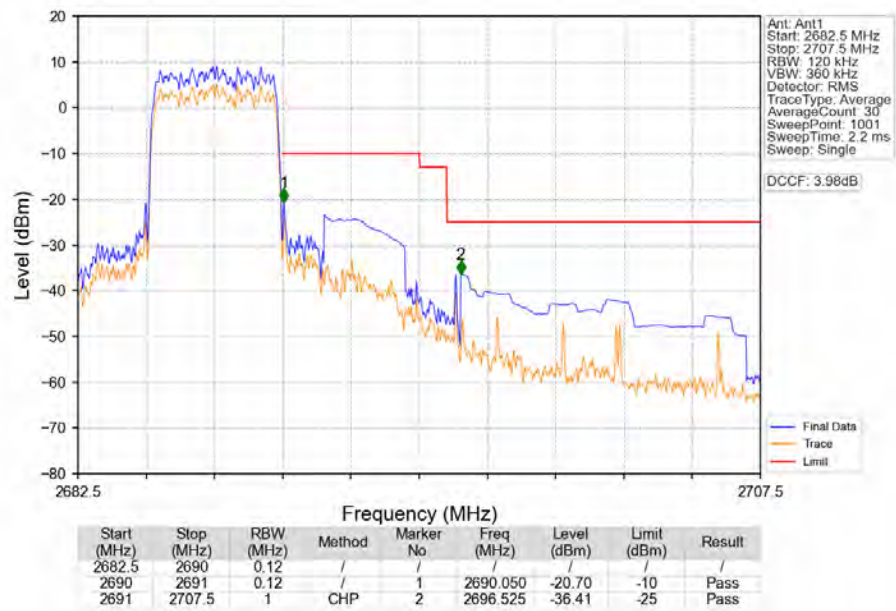


# Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV

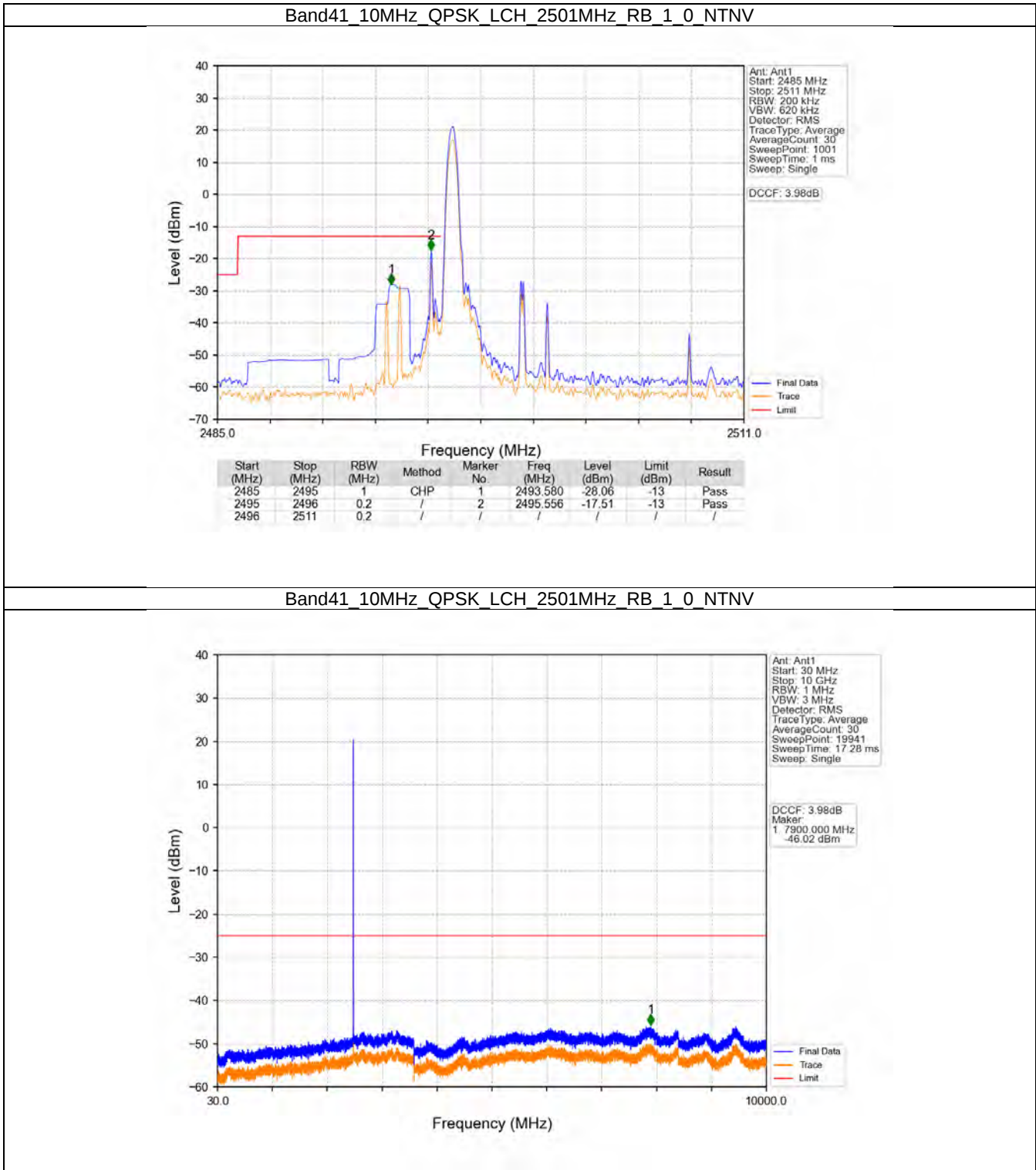


# Band41 5MHz QPSK HCH 2687.5MHz RB 1 24 NTV

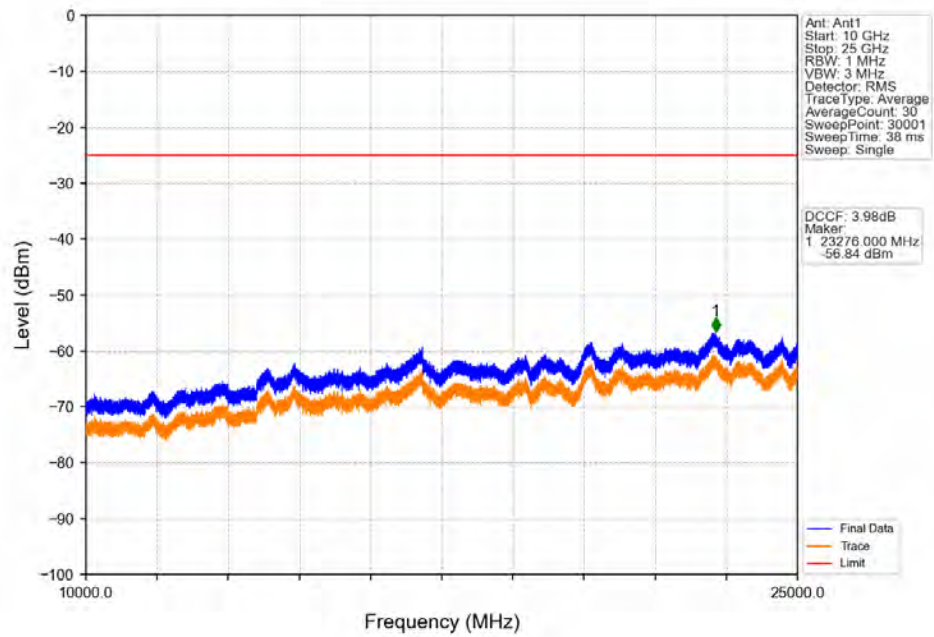




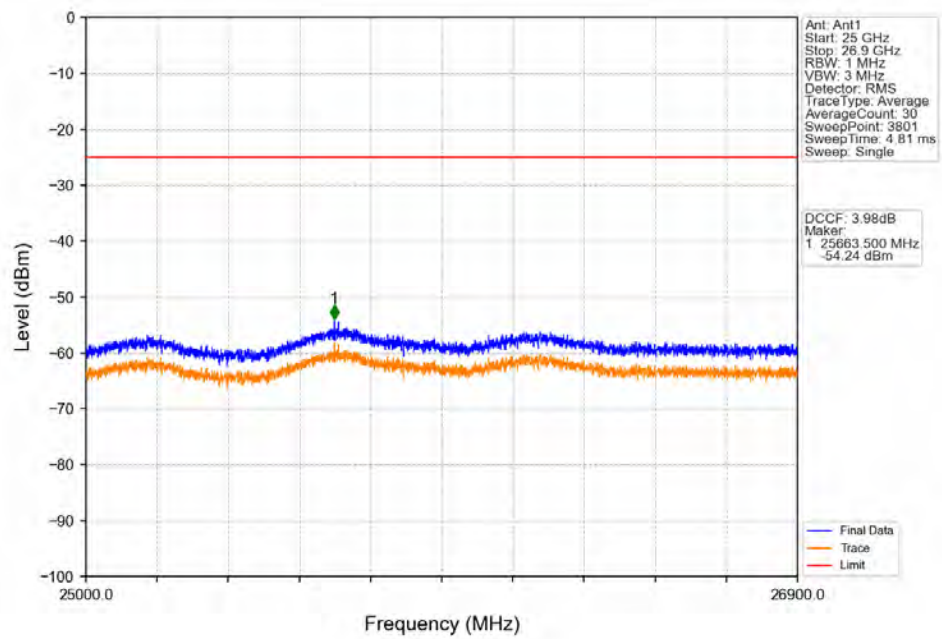
5.2.2 B41\_10MHz



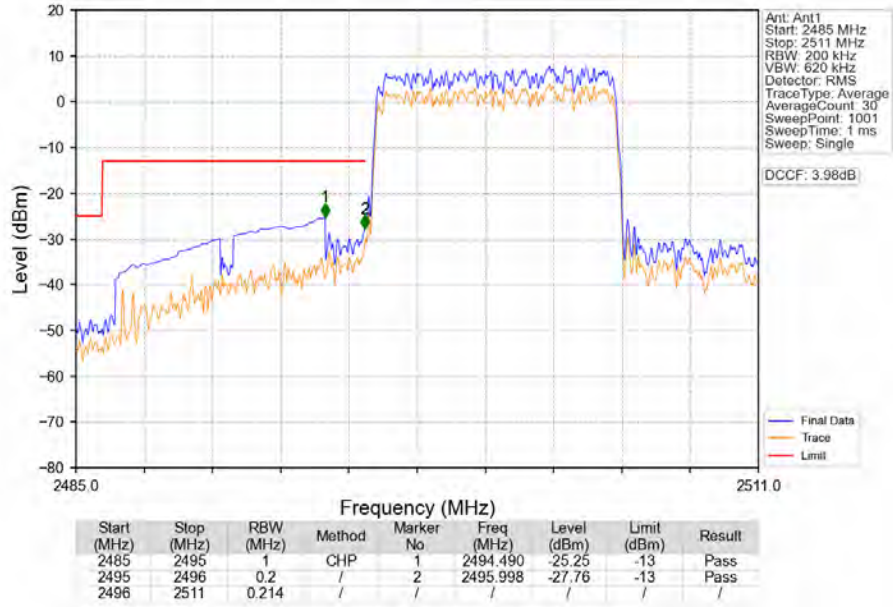
Band41 10MHz QPSK LCH 2501MHz RB 1 0 NTNV



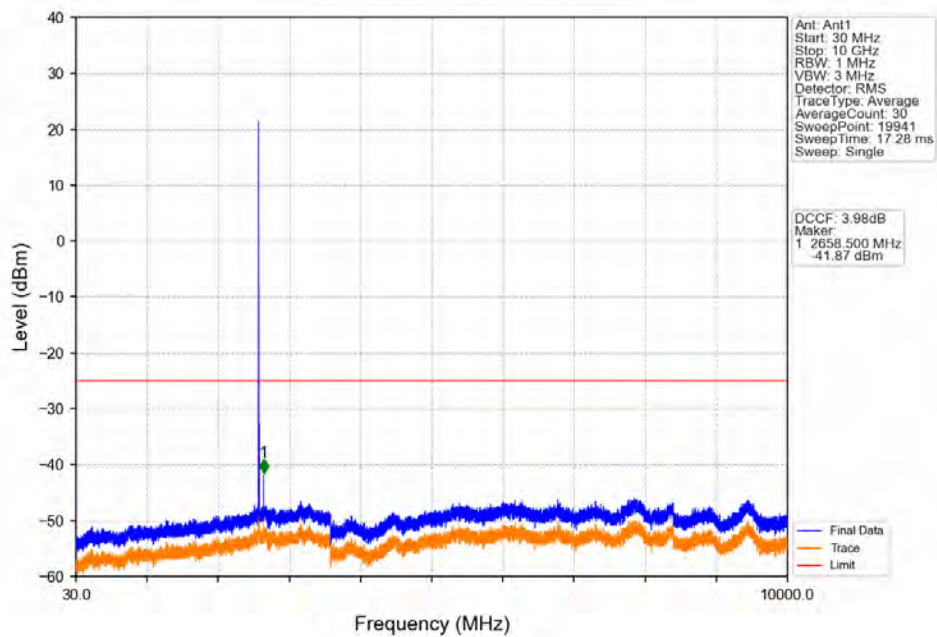
Band41 10MHz QPSK LCH 2501MHz RB 1 0 NTNV



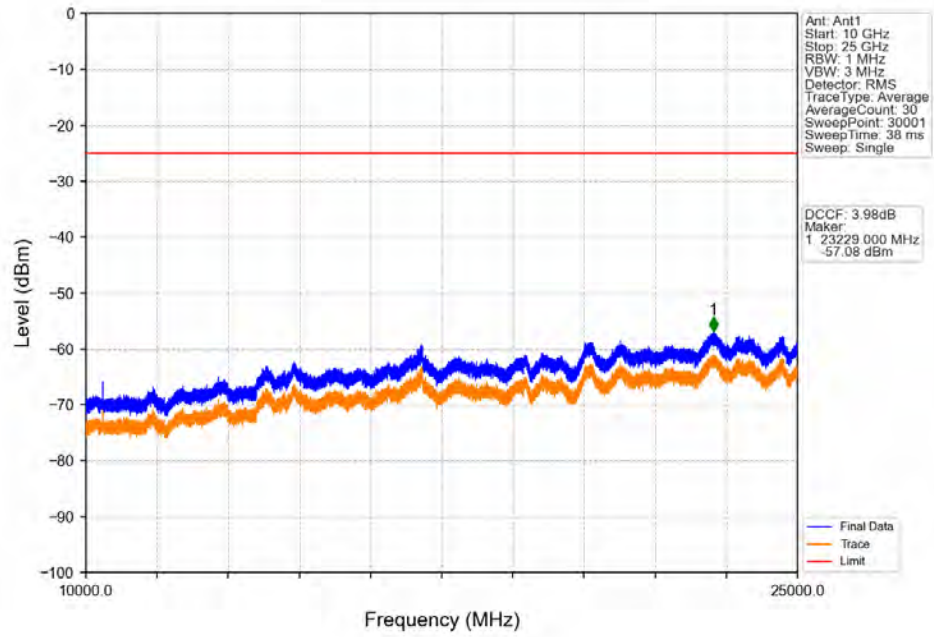
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTNV



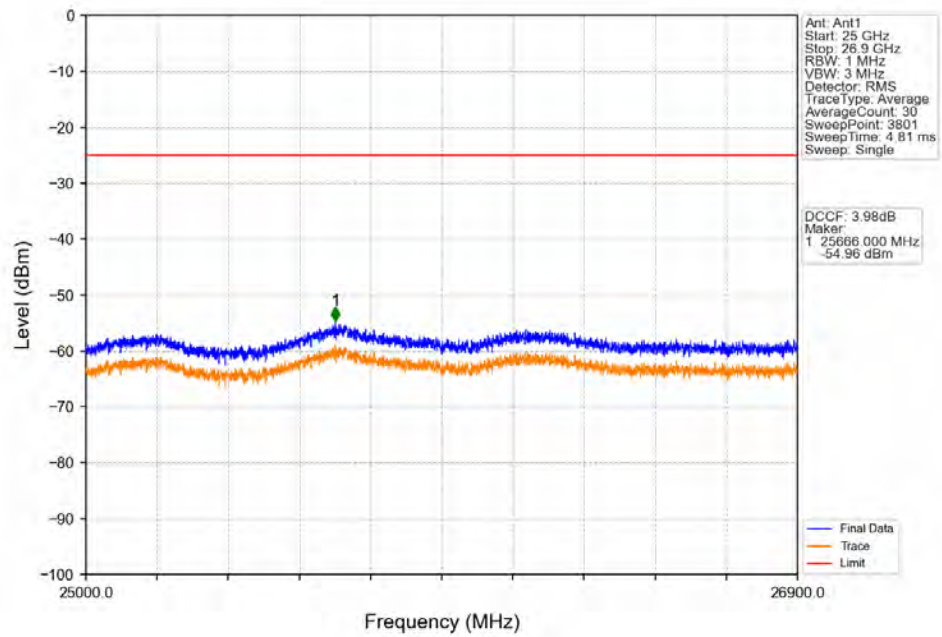
Band41 10MHz QPSK MCH 2593MHz RB 1 0 NTNV



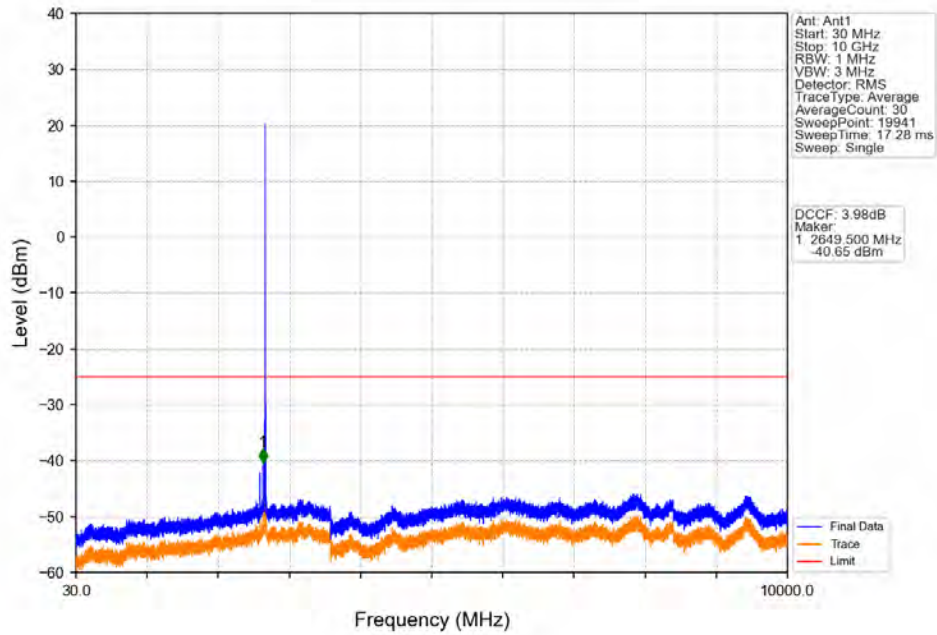
Band41 10MHz QPSK MCH 2593MHz RB 1 0 NTNV



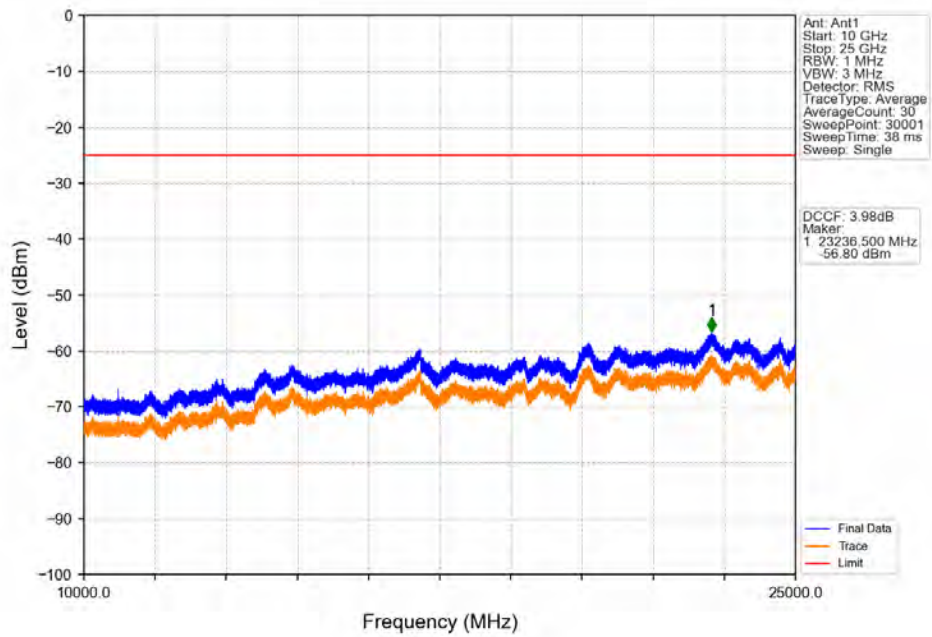
Band41 10MHz QPSK MCH 2593MHz RB 1 0 NTNV



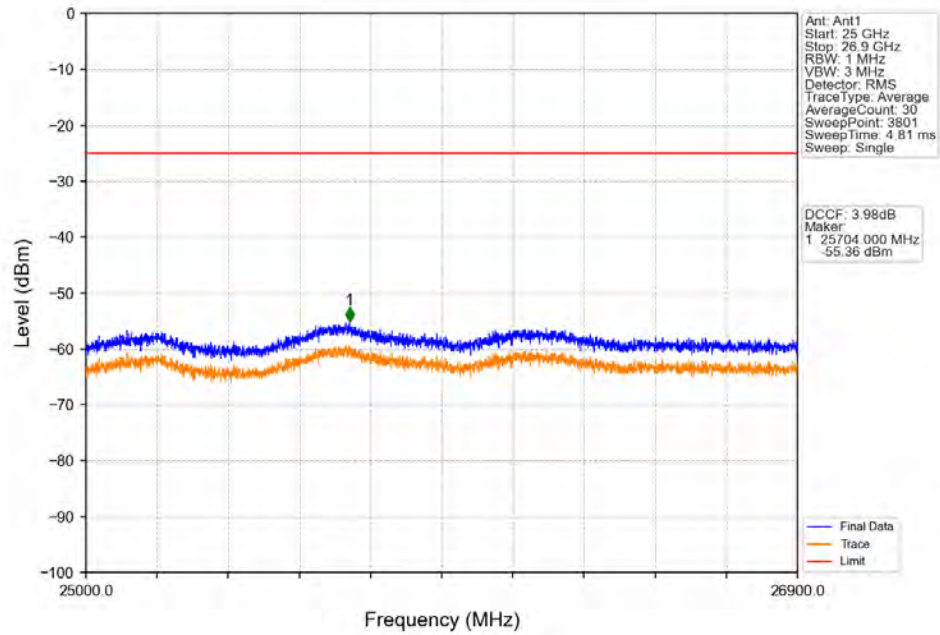
Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTNV



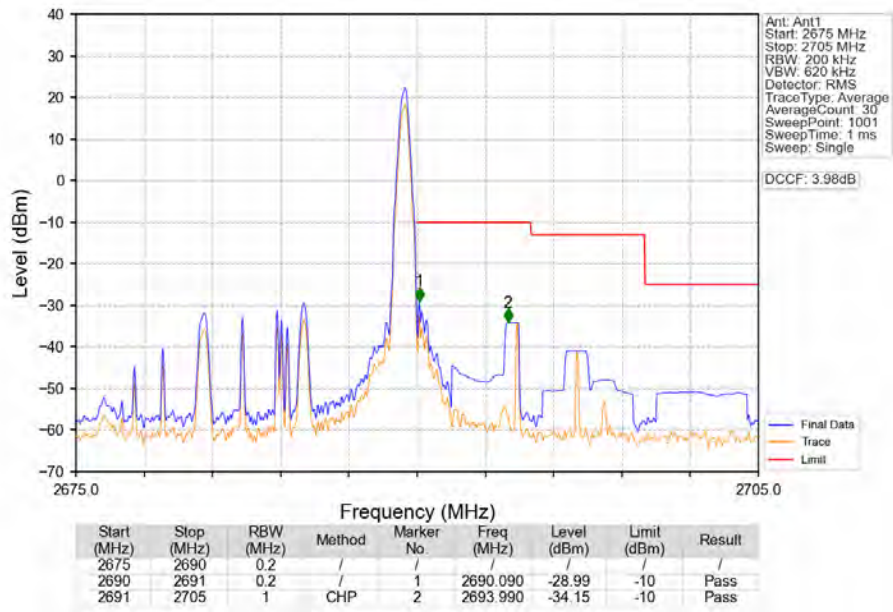
Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTNV

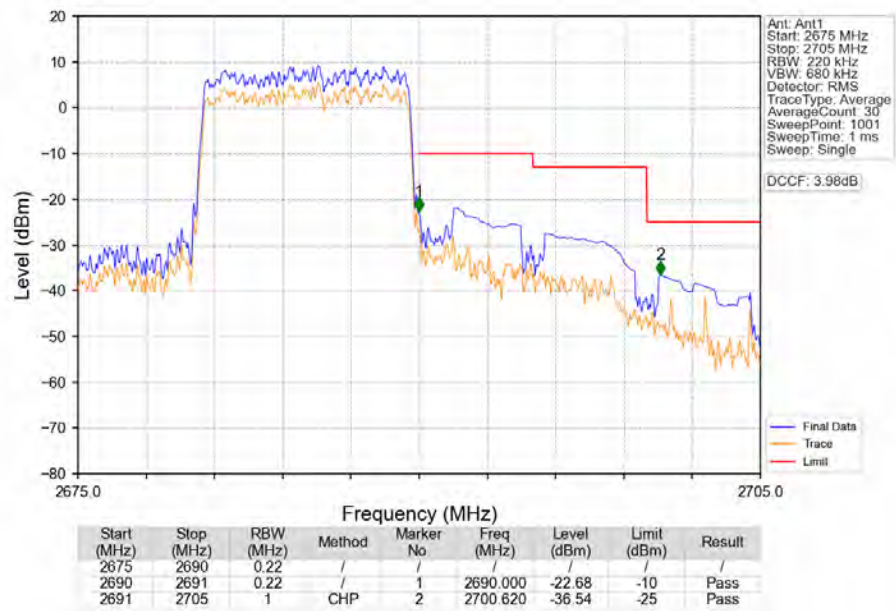


# Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTNV

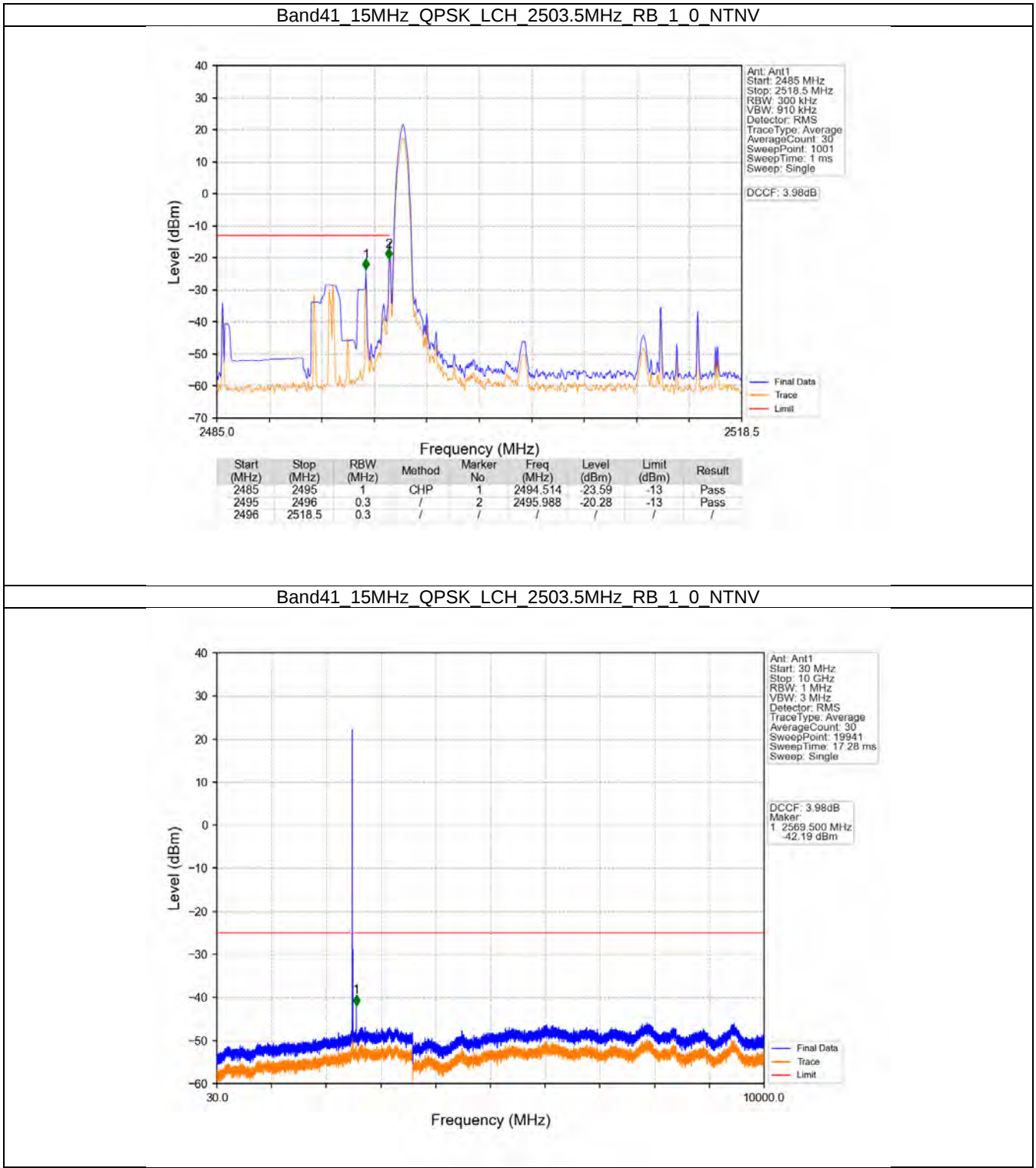


# Band41 10MHz QPSK HCH 2685MHz RB 1 49 NTNV

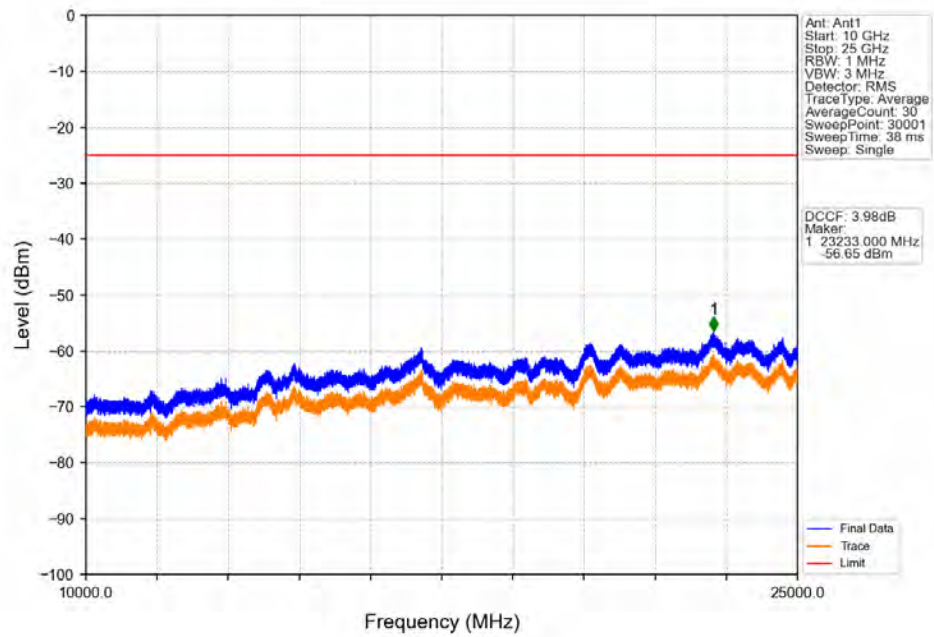




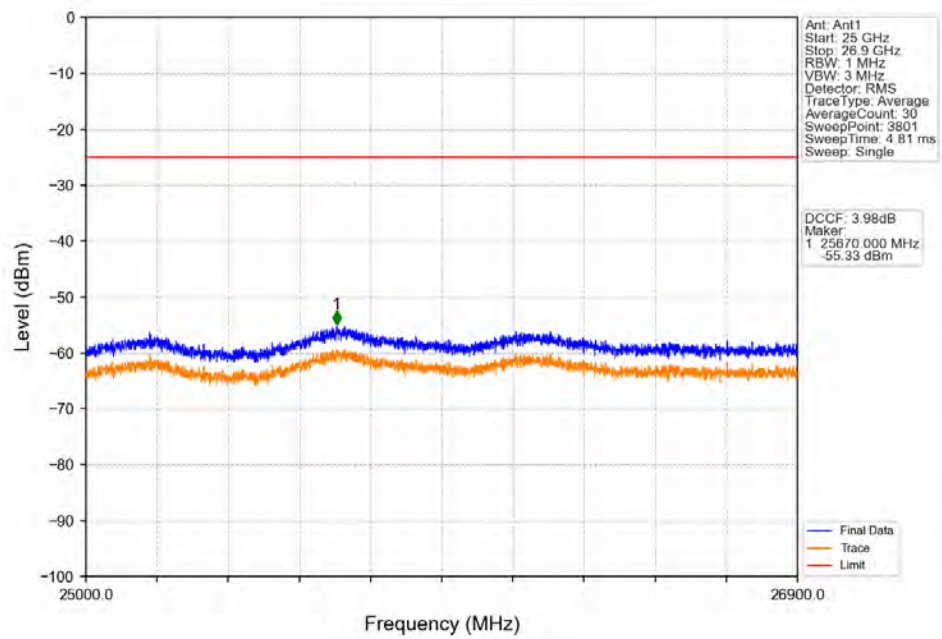
5.2.3 B41\_15MHz



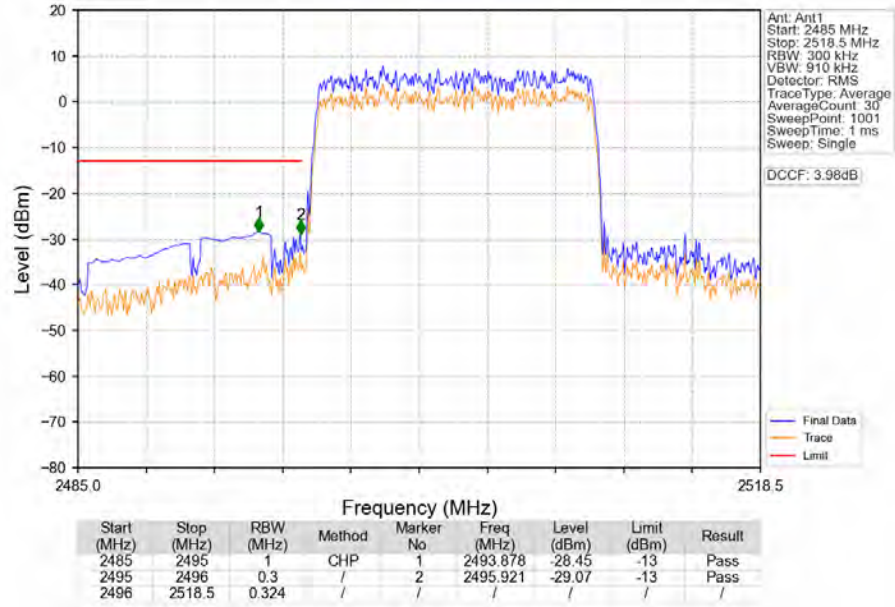
Band41 15MHz QPSK LCH 2503.5MHz RB 1 0 NTNV



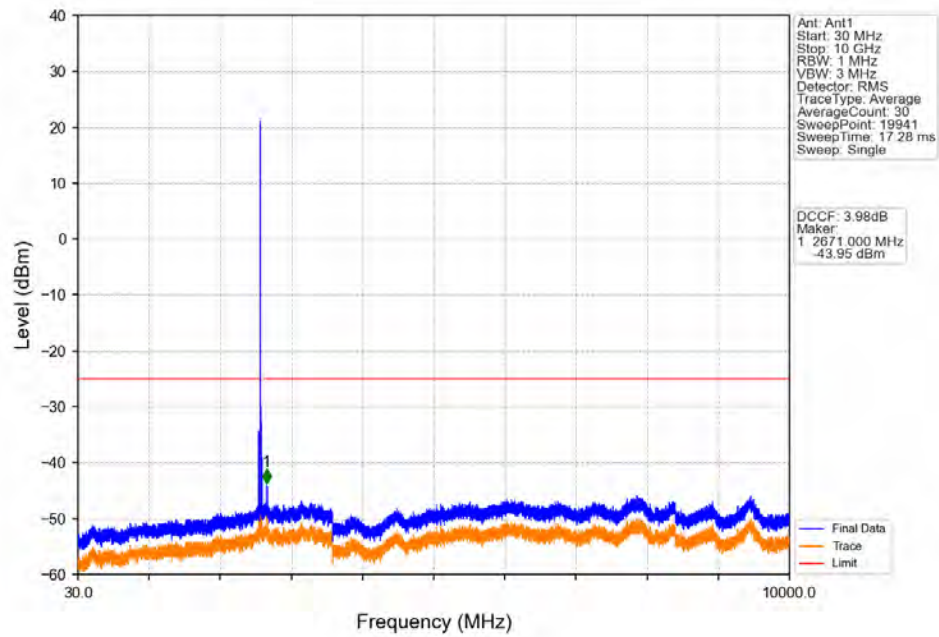
Band41 15MHz QPSK LCH 2503.5MHz RB 1 0 NTNV



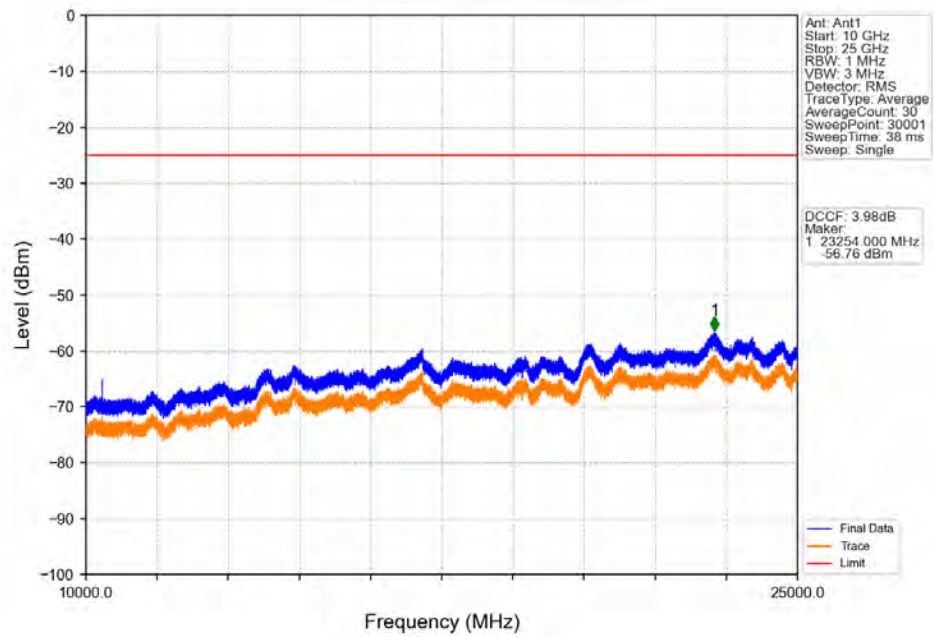
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



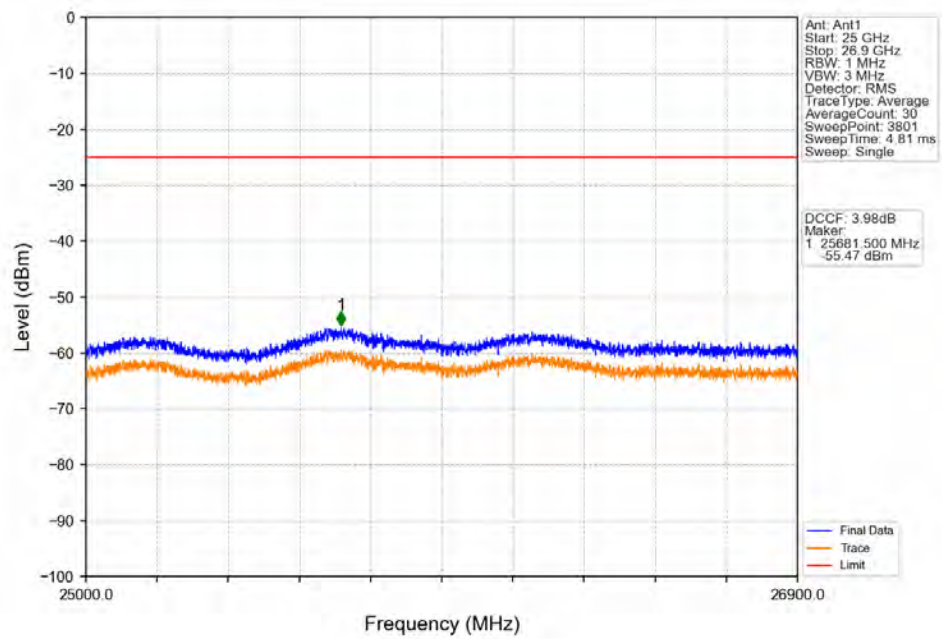
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTNV



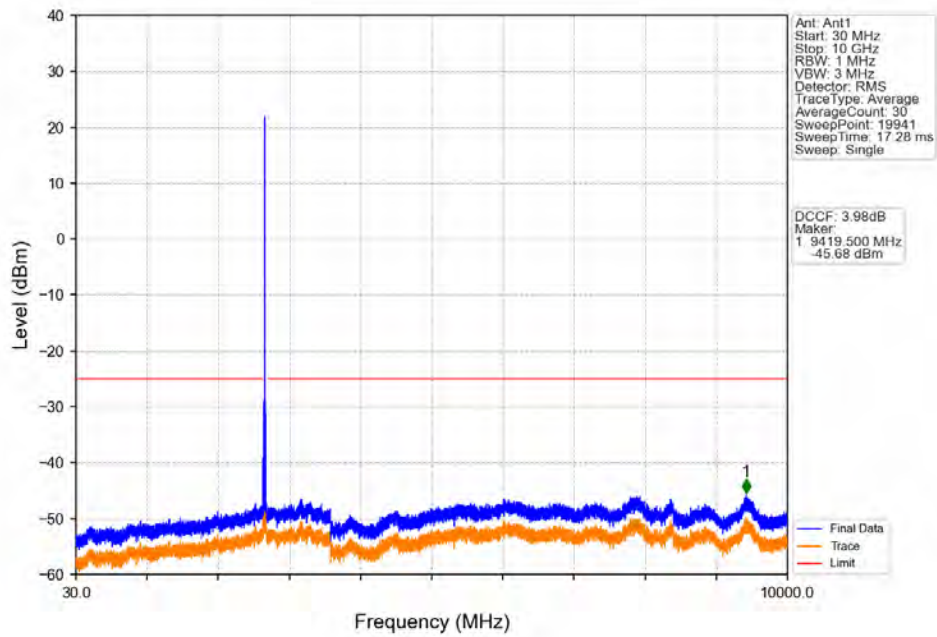
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTNV



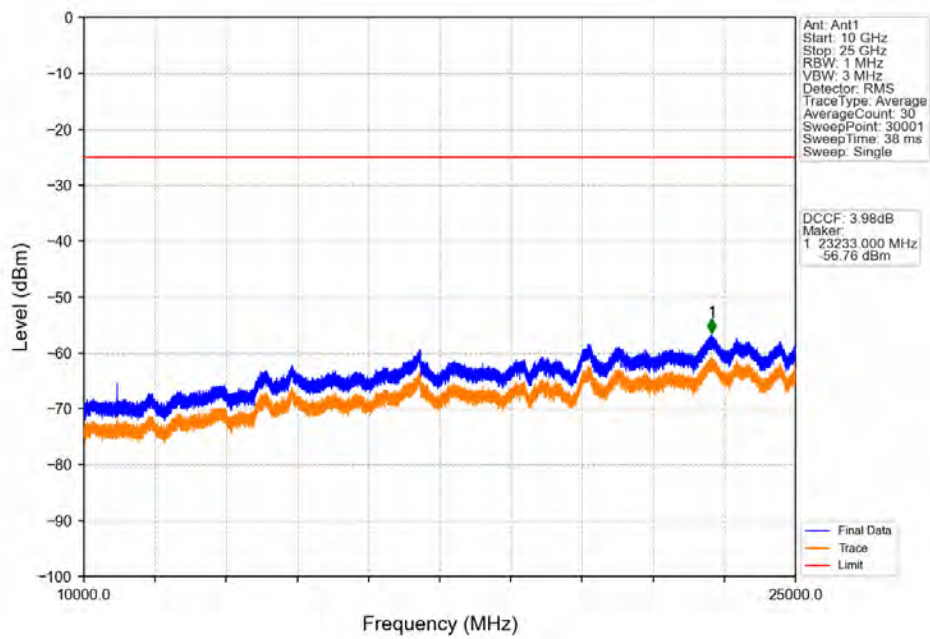
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTNV



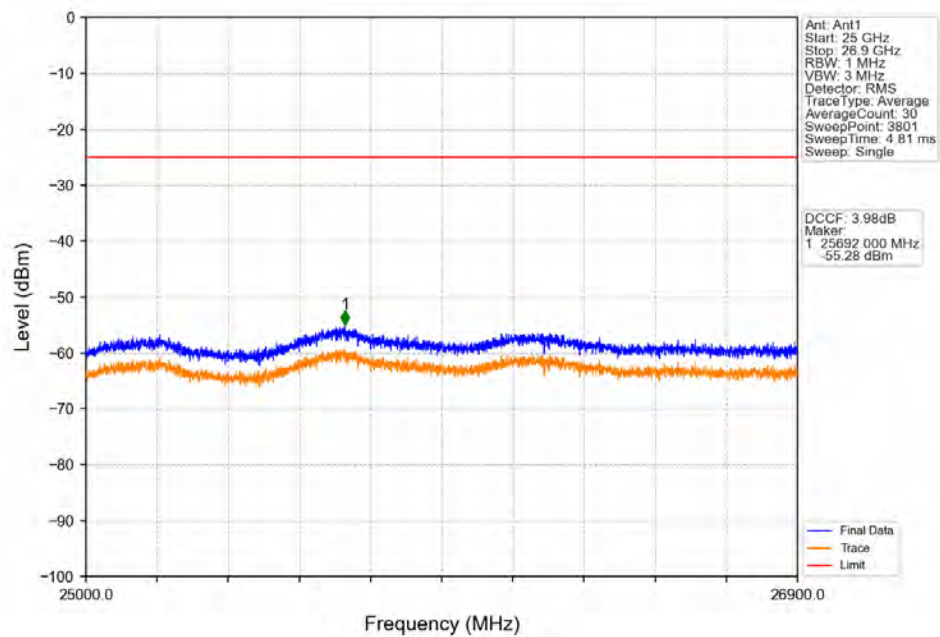
Band41 15MHz QPSK HCH 2682.5MHz RB 1 0 NTNV



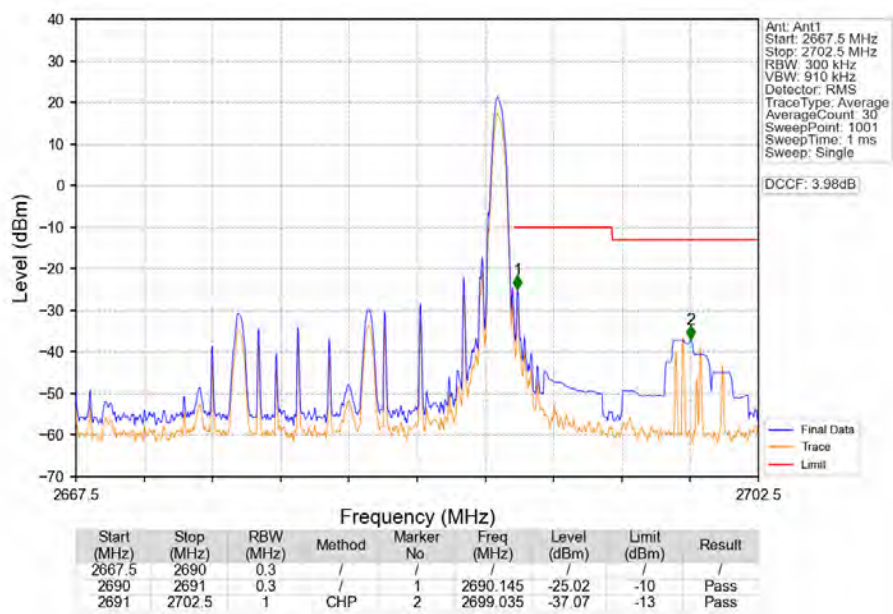
Band41 15MHz QPSK HCH 2682.5MHz RB 1 0 NTNV



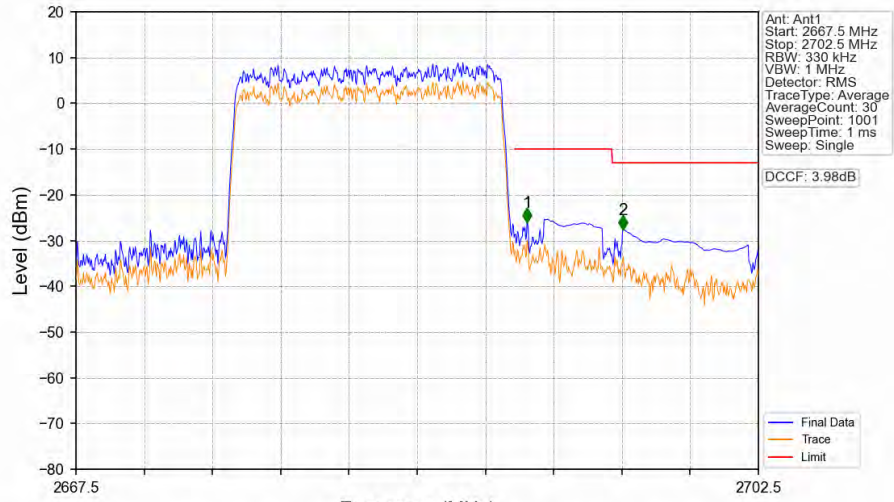
Band41 15MHz QPSK HCH 2682.5MHz RB 1 0 NTNV



Band41 15MHz QPSK HCH 2682.5MHz RB 1 74 NTNV

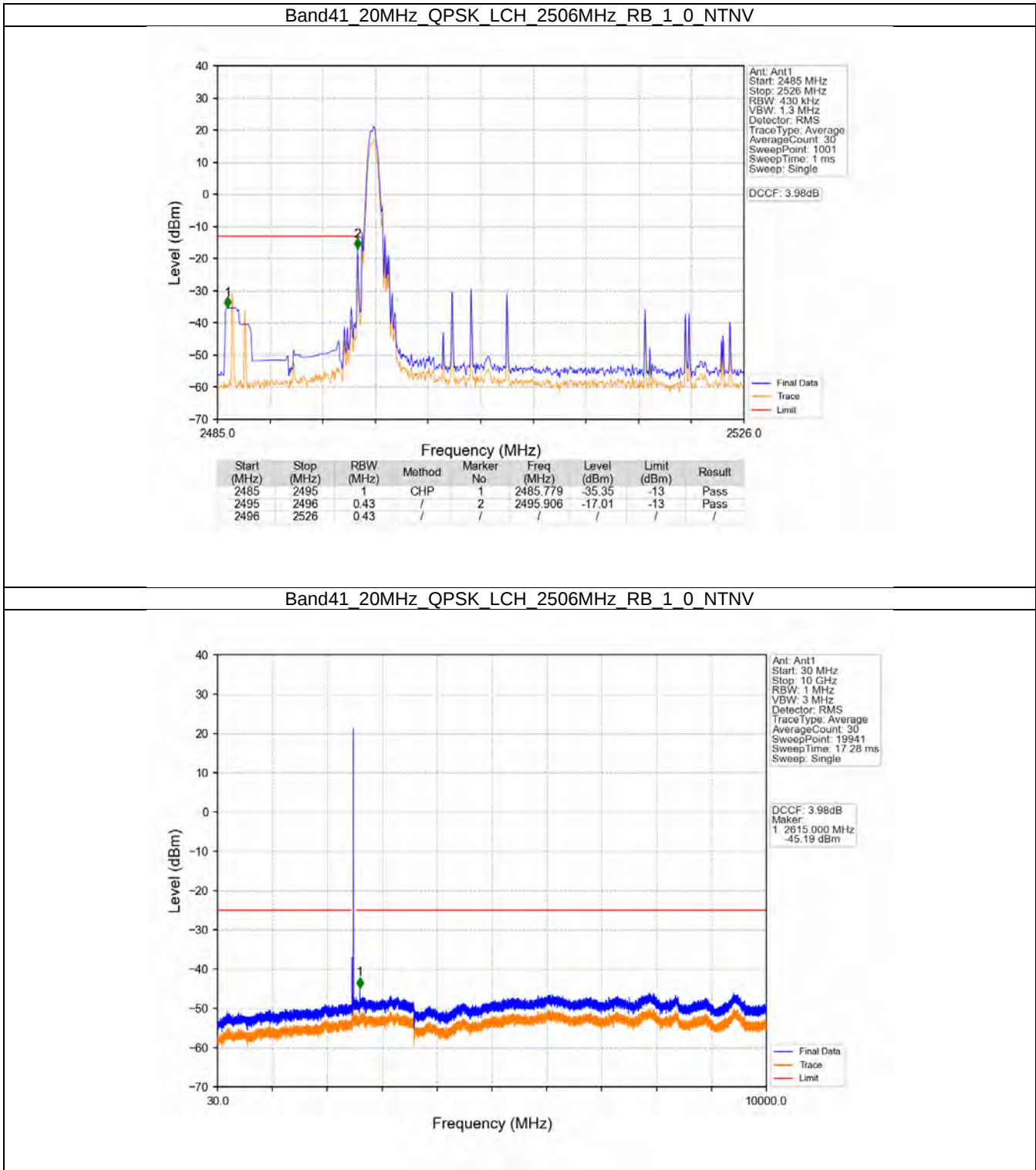


Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN

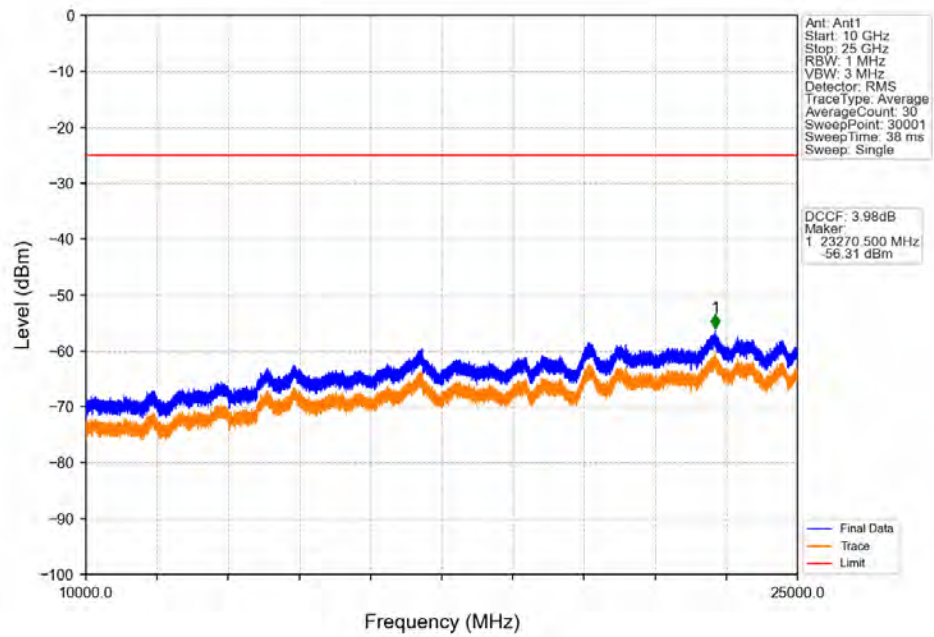


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2667.5      | 2690       | 0.33      | /      | /          | /          | /           | /           | /      |
| 2690        | 2691       | 0.33      | /      | 1          | 2690.635   | -26.01      | -10         | Pass   |
| 2691        | 2702.5     | 1         | CHP    | 2          | 2695.570   | -27.63      | -13         | Pass   |

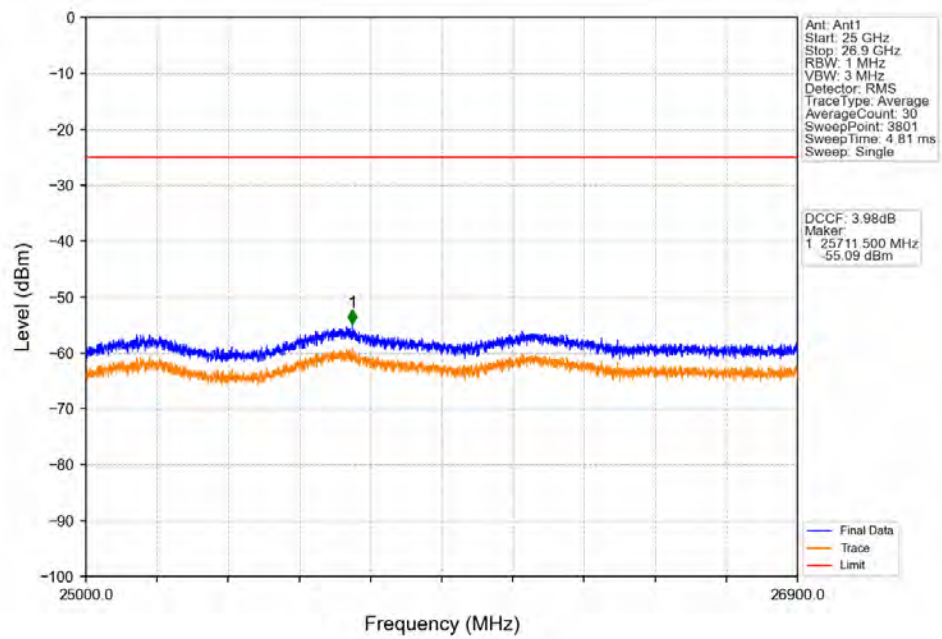
5.2.4 B41\_20MHz



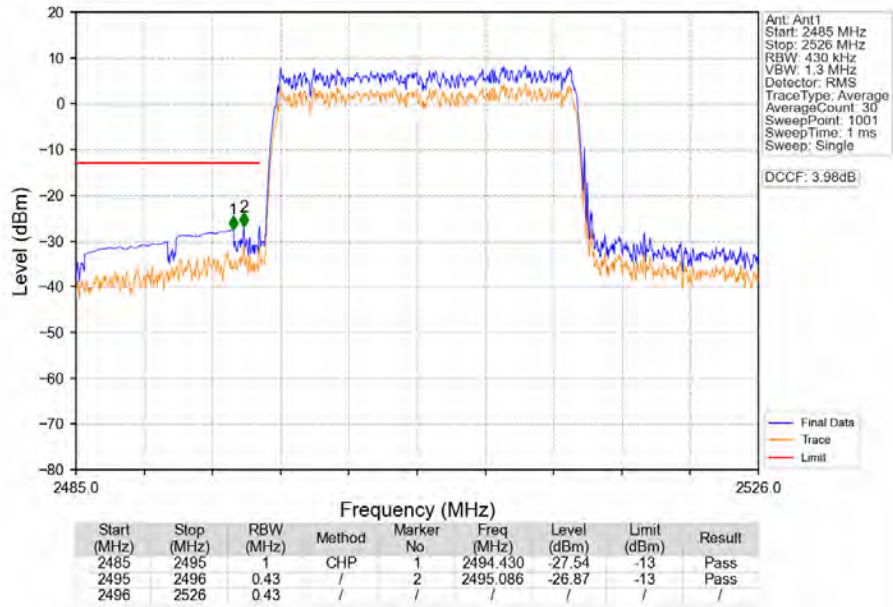
Band41 20MHz QPSK LCH 2506MHz RB 1 0 NTNV



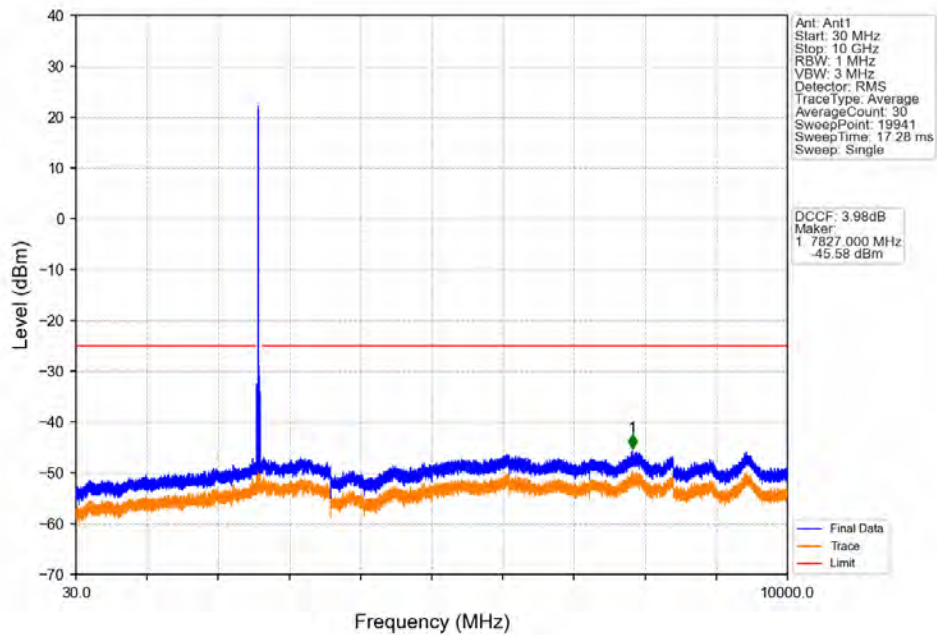
Band41 20MHz QPSK LCH 2506MHz RB 1 0 NTNV



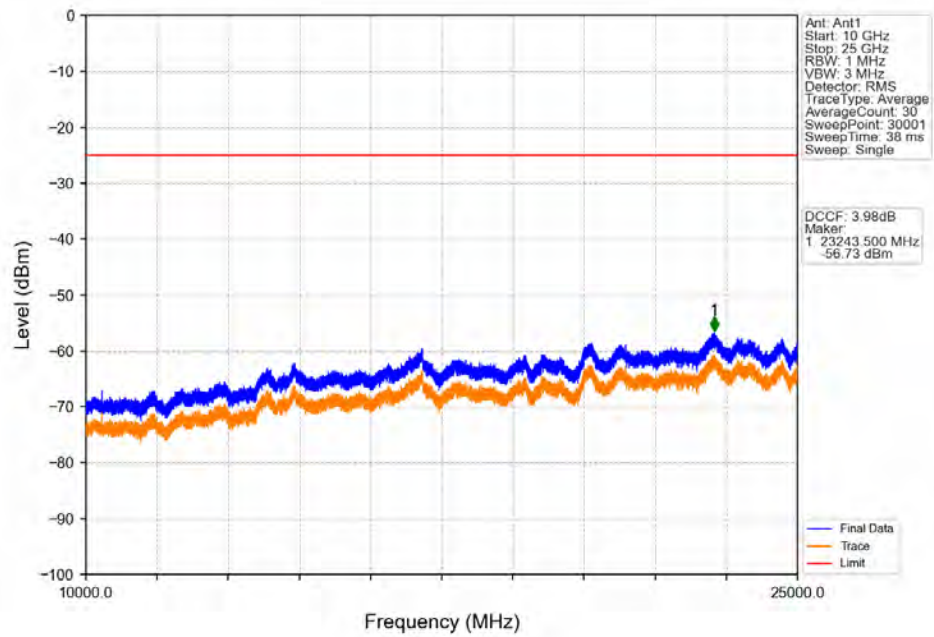
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



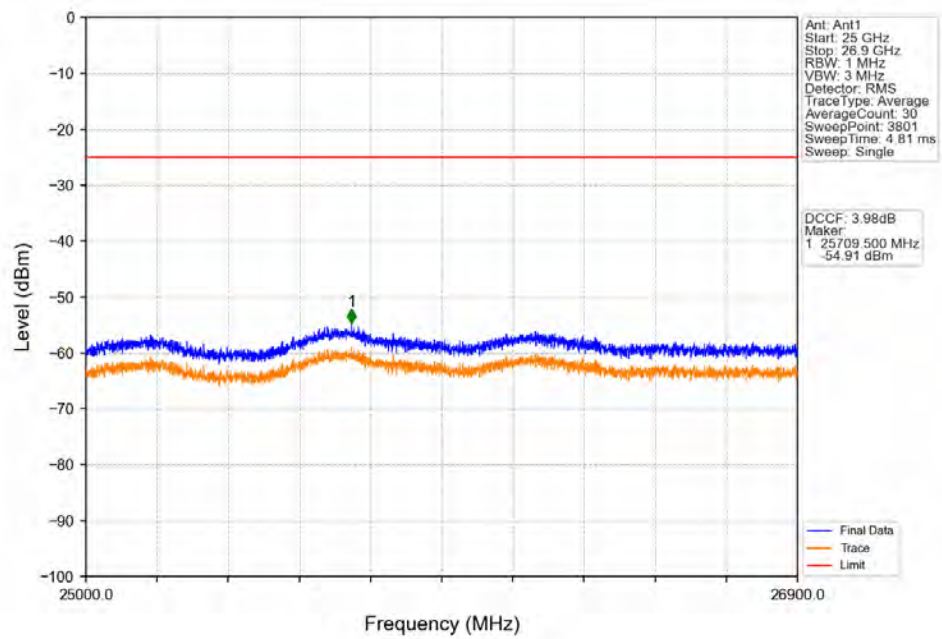
Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV



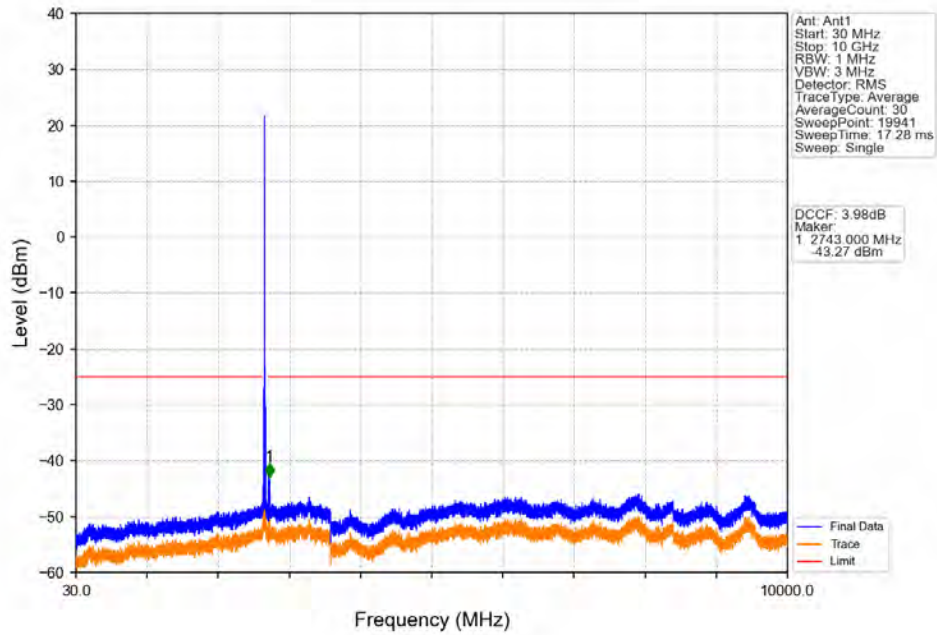
Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV



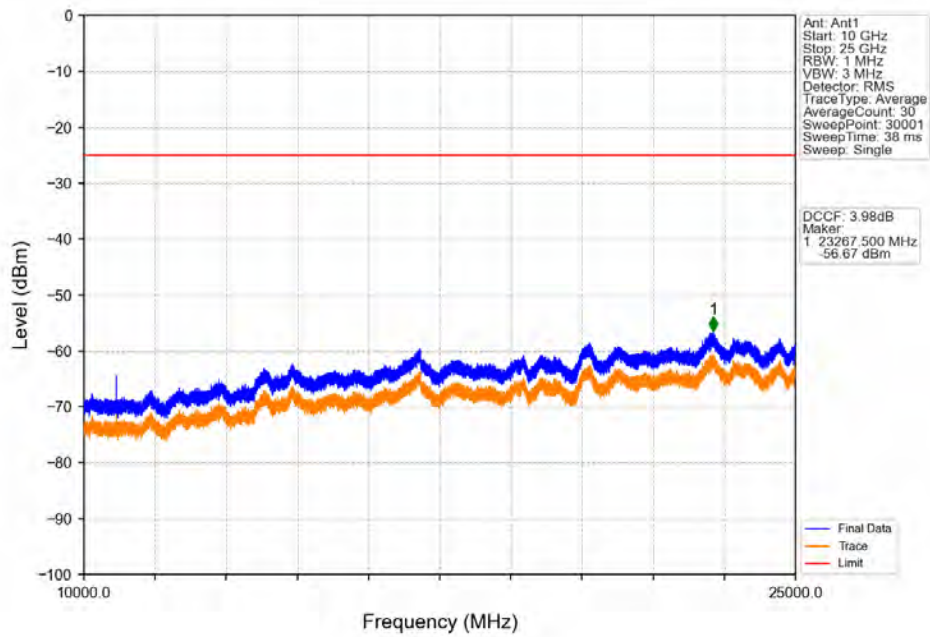
Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV



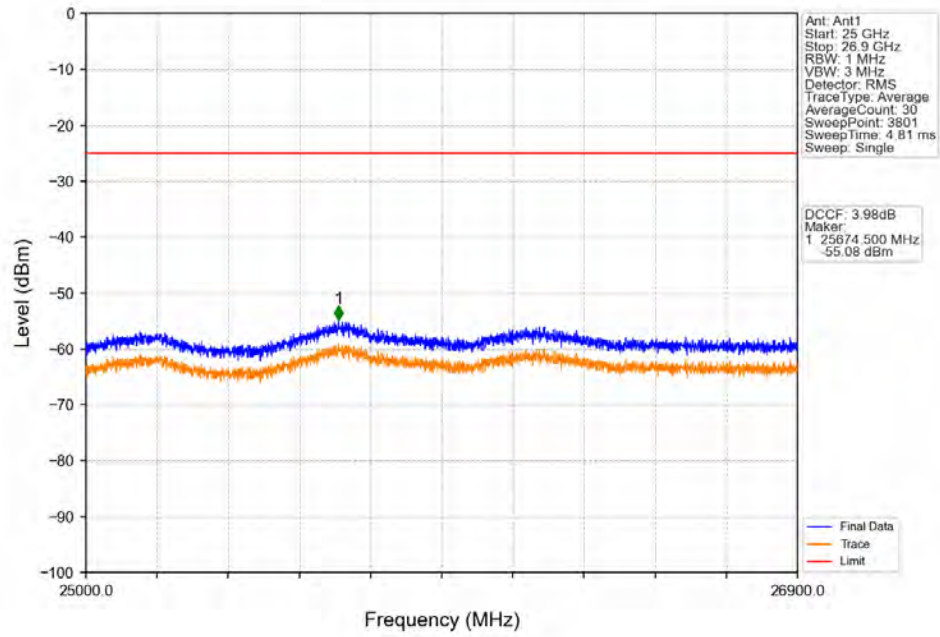
Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTNV



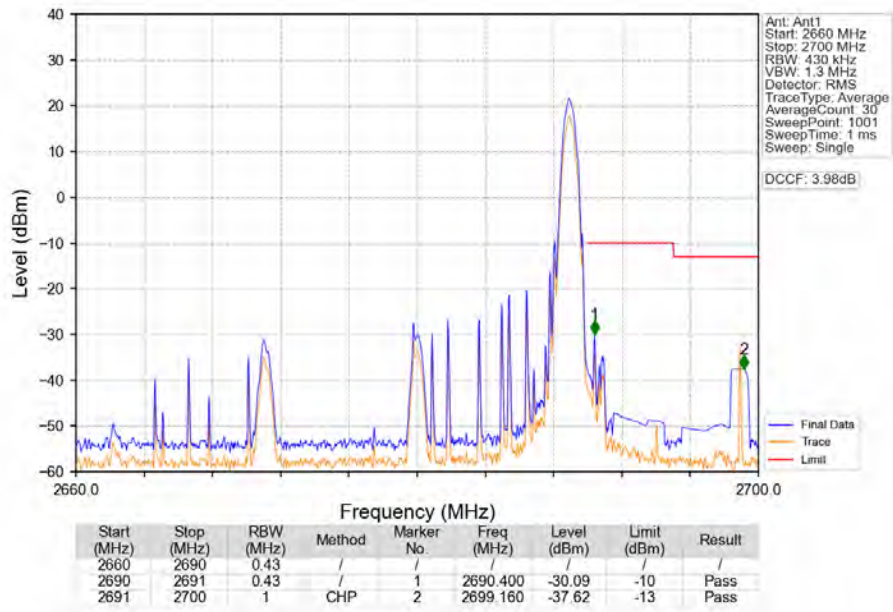
Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTNV

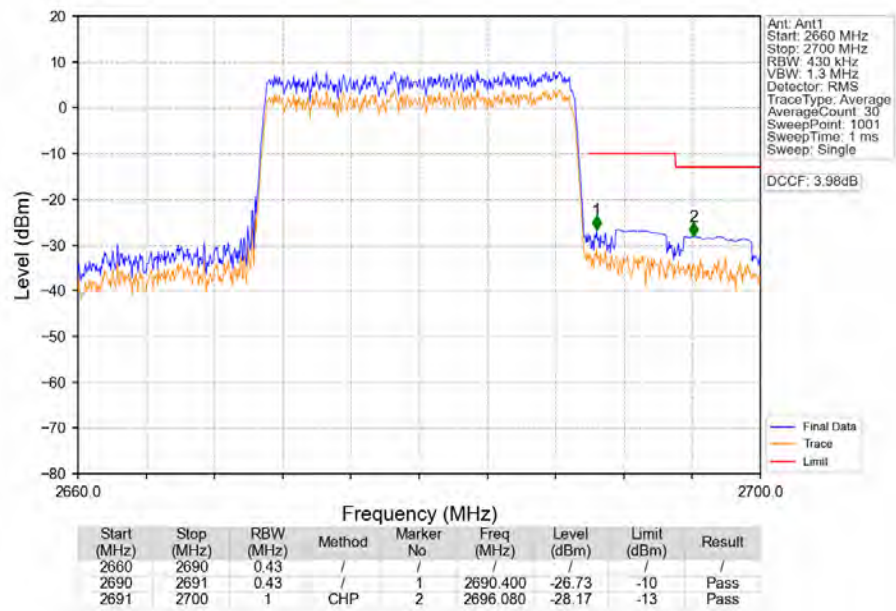


# Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTN



# Band41 20MHz QPSK HCH 2680MHz RB 1 99 NTN





## Field Strength of Spurious Radiation

| LTE Band 41 ANT11-Low channel |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)               | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 4994.0                        | -62.3      | -25         | -37.3           | -67.86           | 4.57            | 10.13              | Horizontal         | Pass   |
| 7491.0                        | -60.36     | -25         | -35.36          | -67.15           | 4.94            | 11.73              | Horizontal         | Pass   |
| 9988.0                        | -57.2      | -25         | -32.2           | -64.78           | 5.46            | 13.04              | Horizontal         | Pass   |
| 4994.0                        | -62.59     | -25         | -37.59          | -68.15           | 4.57            | 10.13              | Vertical           | Pass   |
| 7491.0                        | -60.39     | -25         | -35.39          | -67.18           | 4.94            | 11.73              | Vertical           | Pass   |
| 9988.0                        | -56.88     | -25         | -31.88          | -64.46           | 5.46            | 13.04              | Vertical           | Pass   |

| LTE Band 41 ANT11-Middle channel |            |             |                 |                  |                 |                    |                    |        |
|----------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                  | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5168.0                           | -63.27     | -25         | -38.27          | -68.89           | 4.62            | 10.24              | Horizontal         | Pass   |
| 7752.0                           | -60.17     | -25         | -35.17          | -67.25           | 4.96            | 12.04              | Horizontal         | Pass   |
| 10336.0                          | -57.16     | -25         | -32.16          | -64.74           | 5.51            | 13.09              | Horizontal         | Pass   |
| 5168.0                           | -63.06     | -25         | -38.06          | -68.68           | 4.62            | 10.24              | Vertical           | Pass   |
| 7752.0                           | -59.94     | -25         | -34.94          | -67.02           | 4.96            | 12.04              | Vertical           | Pass   |
| 10336.0                          | -57.35     | -25         | -32.35          | -64.93           | 5.51            | 13.09              | Vertical           | Pass   |

| LTE Band 41 ANT11-High channel |            |             |                 |                  |                 |                    |                    |        |
|--------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5342.0                         | -63.54     | -25         | -38.54          | -69.21           | 4.68            | 10.35              | Horizontal         | Pass   |
| 8013.0                         | -60.05     | -25         | -35.05          | -67.42           | 4.98            | 12.35              | Horizontal         | Pass   |
| 10684.0                        | -56.41     | -25         | -31.41          | -63.96           | 5.63            | 13.18              | Horizontal         | Pass   |
| 5342.0                         | -63.05     | -25         | -38.05          | -68.72           | 4.68            | 10.35              | Vertical           | Pass   |
| 8013.0                         | -59.78     | -25         | -34.78          | -67.15           | 4.98            | 12.35              | Vertical           | Pass   |
| 10684.0                        | -56.78     | -25         | -31.78          | -64.33           | 5.63            | 13.18              | Vertical           | Pass   |

Remark:

- The field strength is calculated by adding the S.G.Power, Antenna Gain & Cable Loss. The basic equation with a sample calculation is as follows:  

$$\text{EIRP} = \text{S.G. Power} + \text{Antenna Gain} - \text{Cable Loss}$$

$$\text{Over Limit} = \text{Limit} - \text{EIRP}$$
- All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---