

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

## 1.1 Test Result

### 1.1.1 B7\_5MHz\_EIRP

| Band: 7 / Bandwidth: 5MHz / NTNV         |                 |               |        |                       |            |            |         |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                                     | 2502.5          | 1             | 0      | 20.92                 | 1.78       | 22.70      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 20.89                 | 1.78       | 22.67      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 24     | 20.88                 | 1.78       | 22.66      | <=33.01 | Pass    |         |      |
|                                          |                 | 12            | 0      | 19.92                 | 1.78       | 21.70      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 6      | 19.91                 | 1.78       | 21.69      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 19.90                 | 1.78       | 21.68      | <=33.01 | Pass    |         |      |
|                                          |                 | 25            | 0      | 19.82                 | 1.78       | 21.60      | <=33.01 | Pass    |         |      |
|                                          |                 | 2535          | 1      | 0                     | 19.68      | 1.78       | 21.46   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 13                    | 19.88      | 1.78       | 21.66   | <=33.01 | Pass    |      |
|                                          | 24              |               |        | 19.32                 | 1.78       | 21.10      | <=33.01 | Pass    |         |      |
|                                          | 12              |               | 0      | 19.60                 | 1.78       | 21.38      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 6      | 19.63                 | 1.78       | 21.41      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 19.44                 | 1.78       | 21.22      | <=33.01 | Pass    |         |      |
|                                          | 25              |               | 0      | 19.42                 | 1.78       | 21.20      | <=33.01 | Pass    |         |      |
|                                          | 2567.5          |               | 1      | 0                     | 20.62      | 1.78       | 22.40   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 13                    | 20.67      | 1.78       | 22.45   | <=33.01 | Pass    |      |
|                                          |                 | 24            |        | 19.94                 | 1.78       | 21.72      | <=33.01 | Pass    |         |      |
|                                          |                 | 12            | 0      | 19.88                 | 1.78       | 21.66      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 6      | 19.86                 | 1.78       | 21.64      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 19.91                 | 1.78       | 21.69      | <=33.01 | Pass    |         |      |
|                                          |                 | 25            | 0      | 19.91                 | 1.78       | 21.69      | <=33.01 | Pass    |         |      |
|                                          |                 | 16QAM         | 2502.5 | 1                     | 0          | 20.39      | 1.78    | 22.17   | <=33.01 | Pass |
|                                          |                 |               |        |                       | 13         | 20.48      | 1.78    | 22.26   | <=33.01 | Pass |
|                                          | 24              |               |        |                       | 20.38      | 1.78       | 22.16   | <=33.01 | Pass    |      |
| 12                                       | 0               |               |        | 19.15                 | 1.78       | 20.93      | <=33.01 | Pass    |         |      |
|                                          | 6               |               |        | 19.03                 | 1.78       | 20.81      | <=33.01 | Pass    |         |      |
|                                          | 13              |               |        | 19.10                 | 1.78       | 20.88      | <=33.01 | Pass    |         |      |
| 25                                       | 0               |               |        | 19.04                 | 1.78       | 20.82      | <=33.01 | Pass    |         |      |
| 2535                                     | 1               |               |        | 0                     | 19.10      | 1.78       | 20.88   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 13                    | 19.44      | 1.78       | 21.22   | <=33.01 | Pass    |      |
|                                          |                 |               | 24     | 18.96                 | 1.78       | 20.74      | <=33.01 | Pass    |         |      |
|                                          | 12              |               | 0      | 18.88                 | 1.78       | 20.66      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 6      | 18.87                 | 1.78       | 20.65      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 18.90                 | 1.78       | 20.68      | <=33.01 | Pass    |         |      |
|                                          | 25              |               | 0      | 18.96                 | 1.78       | 20.74      | <=33.01 | Pass    |         |      |
|                                          | 2567.5          |               | 1      | 0                     | 20.43      | 1.78       | 22.21   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 13                    | 20.44      | 1.78       | 22.22   | <=33.01 | Pass    |      |
| 24                                       |                 |               |        | 19.94                 | 1.78       | 21.72      | <=33.01 | Pass    |         |      |
| 12                                       |                 |               | 0      | 18.97                 | 1.78       | 20.75      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 6      | 18.94                 | 1.78       | 20.72      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 13     | 18.93                 | 1.78       | 20.71      | <=33.01 | Pass    |         |      |
| 25                                       |                 |               | 0      | 19.02                 | 1.78       | 20.80      | <=33.01 | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |         |      |

### 1.1.2 B7\_10MHz\_EIRP

Band: 7 / Bandwidth: 10MHz / NTNV

| Modulation | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
|            |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK       | 2505            | 1             | 0      | 20.90                 | 1.78       | 22.68      | <=33.01 | Pass    |
|            |                 |               | 25     | 20.79                 | 1.78       | 22.57      | <=33.01 | Pass    |
|            |                 |               | 49     | 20.81                 | 1.78       | 22.59      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 19.95                 | 1.78       | 21.73      | <=33.01 | Pass    |
|            |                 |               | 13     | 19.90                 | 1.78       | 21.68      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.83                 | 1.78       | 21.61      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 19.92                 | 1.78       | 21.70      | <=33.01 | Pass    |
|            | 2535            | 1             | 0      | 19.80                 | 1.78       | 21.58      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.61                 | 1.78       | 21.39      | <=33.01 | Pass    |
|            |                 |               | 49     | 19.84                 | 1.78       | 21.62      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 19.51                 | 1.78       | 21.29      | <=33.01 | Pass    |
|            |                 |               | 13     | 19.48                 | 1.78       | 21.26      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.57                 | 1.78       | 21.35      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 19.45                 | 1.78       | 21.23      | <=33.01 | Pass    |
|            | 2565            | 1             | 0      | 20.85                 | 1.78       | 22.63      | <=33.01 | Pass    |
|            |                 |               | 25     | 20.86                 | 1.78       | 22.64      | <=33.01 | Pass    |
|            |                 |               | 49     | 20.43                 | 1.78       | 22.21      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 19.91                 | 1.78       | 21.69      | <=33.01 | Pass    |
|            |                 |               | 13     | 19.91                 | 1.78       | 21.69      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.93                 | 1.78       | 21.71      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 19.90                 | 1.78       | 21.68      | <=33.01 | Pass    |
| 16QAM      | 2505            | 1             | 0      | 20.19                 | 1.78       | 21.97      | <=33.01 | Pass    |
|            |                 |               | 25     | 20.16                 | 1.78       | 21.94      | <=33.01 | Pass    |
|            |                 |               | 49     | 20.18                 | 1.78       | 21.96      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 19.19                 | 1.78       | 20.97      | <=33.01 | Pass    |
|            |                 |               | 13     | 19.17                 | 1.78       | 20.95      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.25                 | 1.78       | 21.03      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 19.06                 | 1.78       | 20.84      | <=33.01 | Pass    |
|            | 2535            | 1             | 0      | 19.50                 | 1.78       | 21.28      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.50                 | 1.78       | 21.28      | <=33.01 | Pass    |
|            |                 |               | 49     | 19.83                 | 1.78       | 21.61      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 19.02                 | 1.78       | 20.80      | <=33.01 | Pass    |
|            |                 |               | 13     | 18.98                 | 1.78       | 20.76      | <=33.01 | Pass    |
|            |                 |               | 25     | 18.99                 | 1.78       | 20.77      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 18.98                 | 1.78       | 20.76      | <=33.01 | Pass    |
|            | 2565            | 1             | 0      | 20.49                 | 1.78       | 22.27      | <=33.01 | Pass    |
|            |                 |               | 25     | 20.48                 | 1.78       | 22.26      | <=33.01 | Pass    |
|            |                 |               | 49     | 20.55                 | 1.78       | 22.33      | <=33.01 | Pass    |
|            |                 | 25            | 0      | 18.99                 | 1.78       | 20.77      | <=33.01 | Pass    |
|            |                 |               | 13     | 18.94                 | 1.78       | 20.72      | <=33.01 | Pass    |
|            |                 |               | 25     | 19.02                 | 1.78       | 20.80      | <=33.01 | Pass    |
|            |                 | 50            | 0      | 18.96                 | 1.78       | 20.74      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2507.5          | 1             | 0      | 20.74                 | 1.78       | 22.52      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 20.77                 | 1.78       | 22.55      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 20.75                 | 1.78       | 22.53      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 19.86                 | 1.78       | 21.64      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 19.92                 | 1.78       | 21.70      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 19.82                 | 1.78       | 21.60      | <=33.01 | Pass    |

|       |        |        |        |       |       |       |         |         |         |      |
|-------|--------|--------|--------|-------|-------|-------|---------|---------|---------|------|
| 16QAM | 2535   | 75     | 0      | 19.96 | 1.78  | 21.74 | <=33.01 | Pass    |         |      |
|       |        |        | 1      | 0     | 20.11 | 1.78  | 21.89   | <=33.01 | Pass    |      |
|       |        |        |        | 38    | 19.52 | 1.78  | 21.30   | <=33.01 | Pass    |      |
|       |        |        |        | 74    | 19.71 | 1.78  | 21.49   | <=33.01 | Pass    |      |
|       |        | 36     |        | 0     | 19.63 | 1.78  | 21.41   | <=33.01 | Pass    |      |
|       |        |        | 18     | 19.38 | 1.78  | 21.16 | <=33.01 | Pass    |         |      |
|       |        |        | 39     | 19.46 | 1.78  | 21.24 | <=33.01 | Pass    |         |      |
|       |        |        | 75     | 0     | 19.43 | 1.78  | 21.21   | <=33.01 | Pass    |      |
|       |        | 2562.5 | 1      | 0     | 20.75 | 1.78  | 22.53   | <=33.01 | Pass    |      |
|       |        |        |        | 38    | 20.80 | 1.78  | 22.58   | <=33.01 | Pass    |      |
|       |        |        |        | 74    | 20.22 | 1.78  | 22.00   | <=33.01 | Pass    |      |
|       |        |        |        | 36    | 0     | 19.93 | 1.78    | 21.71   | <=33.01 | Pass |
|       |        |        | 18     |       | 19.85 | 1.78  | 21.63   | <=33.01 | Pass    |      |
|       |        |        | 39     |       | 19.88 | 1.78  | 21.66   | <=33.01 | Pass    |      |
|       |        |        | 75     |       | 0     | 19.91 | 1.78    | 21.69   | <=33.01 | Pass |
|       |        |        | 2507.5 | 1     | 0     | 20.70 | 1.78    | 22.48   | <=33.01 | Pass |
|       | 38     |        |        |       | 20.72 | 1.78  | 22.50   | <=33.01 | Pass    |      |
|       | 74     |        |        |       | 20.69 | 1.78  | 22.47   | <=33.01 | Pass    |      |
|       | 36     |        |        |       | 0     | 18.99 | 1.78    | 20.77   | <=33.01 | Pass |
|       |        |        |        |       | 18    | 19.03 | 1.78    | 20.81   | <=33.01 | Pass |
|       |        | 39     |        |       | 19.02 | 1.78  | 20.80   | <=33.01 | Pass    |      |
|       |        | 75     |        | 0     | 19.00 | 1.78  | 20.78   | <=33.01 | Pass    |      |
|       | 2535   | 1      |        | 0     | 19.80 | 1.78  | 21.58   | <=33.01 | Pass    |      |
|       |        |        |        | 38    | 19.42 | 1.78  | 21.20   | <=33.01 | Pass    |      |
|       |        |        |        | 74    | 19.72 | 1.78  | 21.50   | <=33.01 | Pass    |      |
|       |        | 36     |        | 0     | 18.84 | 1.78  | 20.62   | <=33.01 | Pass    |      |
|       |        |        |        | 18    | 18.88 | 1.78  | 20.66   | <=33.01 | Pass    |      |
|       |        |        |        | 39    | 18.88 | 1.78  | 20.66   | <=33.01 | Pass    |      |
|       |        |        |        | 75    | 0     | 18.87 | 1.78    | 20.65   | <=33.01 | Pass |
|       | 2562.5 | 1      |        | 0     | 20.51 | 1.78  | 22.29   | <=33.01 | Pass    |      |
|       |        |        |        | 38    | 20.56 | 1.78  | 22.34   | <=33.01 | Pass    |      |
|       |        |        |        | 74    | 20.57 | 1.78  | 22.35   | <=33.01 | Pass    |      |
|       |        |        |        | 36    | 0     | 19.06 | 1.78    | 20.84   | <=33.01 | Pass |
|       |        | 18     |        |       | 19.02 | 1.78  | 20.80   | <=33.01 | Pass    |      |
|       |        | 39     |        |       | 19.08 | 1.78  | 20.86   | <=33.01 | Pass    |      |
|       |        | 75     | 0      | 19.10 | 1.78  | 20.88 | <=33.01 | Pass    |         |      |

Note1: EIRP=Conducted Power+Antenna Gain

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2510            | 1             | 0      | 21.01                 | 1.78       | 22.79      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 20.97                 | 1.78       | 22.75      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 20.96                 | 1.78       | 22.74      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 19.83                 | 1.78       | 21.61      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 19.76                 | 1.78       | 21.54      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 19.90                 | 1.78       | 21.68      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 19.86                 | 1.78       | 21.64      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 20.48                 | 1.78       | 22.26      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 19.46                 | 1.78       | 21.24      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 20.58                 | 1.78       | 22.36      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 19.55                 | 1.78       | 21.33      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 19.35                 | 1.78       | 21.13      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 19.72                 | 1.78       | 21.50      | <=33.01 | Pass    |
|                                  |                 | 100           | 0      | 19.53                 | 1.78       | 21.31      | <=33.01 | Pass    |

|       |      |     |    |       |      |       |         |      |
|-------|------|-----|----|-------|------|-------|---------|------|
| 16QAM | 2560 | 1   | 0  | 20.80 | 1.78 | 22.58 | <=33.01 | Pass |
|       |      |     | 50 | 20.82 | 1.78 | 22.60 | <=33.01 | Pass |
|       |      |     | 99 | 20.81 | 1.78 | 22.59 | <=33.01 | Pass |
|       |      | 50  | 0  | 19.85 | 1.78 | 21.63 | <=33.01 | Pass |
|       |      |     | 25 | 19.89 | 1.78 | 21.67 | <=33.01 | Pass |
|       |      |     | 50 | 19.90 | 1.78 | 21.68 | <=33.01 | Pass |
|       |      | 100 | 0  | 19.87 | 1.78 | 21.65 | <=33.01 | Pass |
|       |      |     | 0  | 21.16 | 1.78 | 22.94 | <=33.01 | Pass |
|       |      |     | 50 | 21.10 | 1.78 | 22.88 | <=33.01 | Pass |
|       | 2510 | 1   | 99 | 21.06 | 1.78 | 22.84 | <=33.01 | Pass |
|       |      |     | 0  | 18.94 | 1.78 | 20.72 | <=33.01 | Pass |
|       |      |     | 25 | 18.92 | 1.78 | 20.70 | <=33.01 | Pass |
|       |      | 50  | 50 | 18.95 | 1.78 | 20.73 | <=33.01 | Pass |
|       |      |     | 0  | 18.94 | 1.78 | 20.72 | <=33.01 | Pass |
|       |      | 100 | 0  | 20.18 | 1.78 | 21.96 | <=33.01 | Pass |
|       |      |     | 50 | 19.37 | 1.78 | 21.15 | <=33.01 | Pass |
|       |      |     | 99 | 20.61 | 1.78 | 22.39 | <=33.01 | Pass |
|       | 2535 | 1   | 0  | 18.96 | 1.78 | 20.74 | <=33.01 | Pass |
|       |      |     | 25 | 19.04 | 1.78 | 20.82 | <=33.01 | Pass |
|       |      |     | 50 | 19.01 | 1.78 | 20.79 | <=33.01 | Pass |
|       |      | 50  | 0  | 18.83 | 1.78 | 20.61 | <=33.01 | Pass |
|       |      |     | 0  | 20.02 | 1.78 | 21.80 | <=33.01 | Pass |
|       |      |     | 50 | 20.06 | 1.78 | 21.84 | <=33.01 | Pass |
|       |      | 100 | 99 | 20.14 | 1.78 | 21.92 | <=33.01 | Pass |
|       |      |     | 0  | 19.05 | 1.78 | 20.83 | <=33.01 | Pass |
|       |      |     | 25 | 19.06 | 1.78 | 20.84 | <=33.01 | Pass |
|       | 2560 | 1   | 50 | 19.13 | 1.78 | 20.91 | <=33.01 | Pass |
|       |      |     | 0  | 18.94 | 1.78 | 20.72 | <=33.01 | Pass |
|       |      | 50  | 0  | 20.02 | 1.78 | 21.80 | <=33.01 | Pass |
|       |      |     | 50 | 20.06 | 1.78 | 21.84 | <=33.01 | Pass |
|       |      |     | 99 | 20.14 | 1.78 | 21.92 | <=33.01 | Pass |
|       |      | 100 | 0  | 19.05 | 1.78 | 20.83 | <=33.01 | Pass |
|       |      |     | 25 | 19.06 | 1.78 | 20.84 | <=33.01 | Pass |
|       |      |     | 50 | 19.13 | 1.78 | 20.91 | <=33.01 | Pass |
|       |      | 100 | 0  | 18.94 | 1.78 | 20.72 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 2502.5          | 25            | 0      | 20         | 3.27          | -22.388          | -0.0089               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -23.775          | -0.0095               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -15.020          | -0.0060               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -27.308          | -0.0109               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -35.634          | -0.0142               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -38.738          | -0.0155               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -41.256          | -0.0165               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -39.854          | -0.0159               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -3.905           | -0.0016               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -7.739           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -14.277          | -0.0057               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -14.277          | -0.0057               | -2.5 to 2.5 | Pass    |
|                           | 2535            | 25            | 0      | 20         | 3.27          | -8.111           | -0.0032               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 11.773           | 0.0046                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 41.585           | 0.0164                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 40.054           | 0.0158                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 36.635           | 0.0145                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 23.246           | 0.0092                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 23.246           | 0.0092                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 23.246           | 0.0092                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       |        |    |   | 0   | 3.85 | 4.163   | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 23.232  | 0.0092  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 26.321  | 0.0104  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 20.227  | 0.0080  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 27.509  | 0.0109  | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | 27.595  | 0.0107  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -35.105 | -0.0137 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 0.286   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 14.877  | 0.0058  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -3.405  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 6.180   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 14.391  | 0.0056  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 20.385  | 0.0079  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 42.844  | 0.0167  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 14.706  | 0.0057  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 40.369  | 0.0157  | -2.5 to 2.5 | Pass |
| 16QAM | 2502.5 | 25 | 0 | 20  | 3.27 | -14.963 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -3.176  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 5.107   | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 1.731   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 9.127   | 0.0036  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 7.224   | 0.0029  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 11.258  | 0.0045  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 26.236  | 0.0105  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 21.358  | 0.0085  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 28.110  | 0.0112  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 46.878  | 0.0187  | -2.5 to 2.5 | Pass |
|       | 2535   | 25 | 0 | 20  | 3.27 | 2.446   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 10.843  | 0.0043  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 17.524  | 0.0069  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 35.005  | 0.0138  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 33.989  | 0.0134  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 34.246  | 0.0135  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 23.289  | 0.0092  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -7.067  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 1.245   | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 0.057   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 46.434  | 0.0183  | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | 7.281   | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -25.048 | -0.0098 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -41.113 | -0.0160 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -12.002 | -0.0047 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -18.625 | -0.0073 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -18.454 | -0.0072 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -22.631 | -0.0088 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -0.386  | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -27.852 | -0.0108 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -37.007 | -0.0144 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 31.300  | 0.0122  | -2.5 to 2.5 | Pass |

## 2.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2505            | 50            | 0      | 20         | 3.27          | -39.110          | -0.0156               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -15.550          | -0.0062               | -2.5 to 2.5 | Pass    |

|       |      |    |   |     |      |         |         |             |      |
|-------|------|----|---|-----|------|---------|---------|-------------|------|
|       |      |    |   |     | 4.43 | 34.175  | 0.0136  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 29.969  | 0.0120  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 12.975  | 0.0052  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 22.430  | 0.0090  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 6.537   | 0.0026  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 4.463   | 0.0018  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 19.598  | 0.0078  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -8.082  | -0.0032 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 12.846  | 0.0051  | -2.5 to 2.5 | Pass |
|       | 2535 | 50 | 0 | 20  | 3.27 | -27.981 | -0.0110 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 19.398  | 0.0077  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 25.320  | 0.0100  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 12.374  | 0.0049  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 34.590  | 0.0136  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 18.725  | 0.0074  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 22.202  | 0.0088  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 15.407  | 0.0061  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 26.107  | 0.0103  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 28.024  | 0.0111  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 18.225  | 0.0072  | -2.5 to 2.5 | Pass |
|       | 2565 | 50 | 0 | 20  | 3.27 | -22.974 | -0.0090 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -4.191  | -0.0016 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -11.015 | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -22.202 | -0.0087 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 7.539   | 0.0029  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 17.967  | 0.0070  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -11.687 | -0.0046 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 26.422  | 0.0103  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 25.005  | 0.0097  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -6.309  | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 21.100  | 0.0082  | -2.5 to 2.5 | Pass |
| 16QAM | 2505 | 50 | 0 | 20  | 3.27 | 28.496  | 0.0114  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 26.736  | 0.0107  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -7.310  | -0.0029 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -39.310 | -0.0157 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -41.313 | -0.0165 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 3.691   | 0.0015  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 3.376   | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 35.076  | 0.0140  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -4.635  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 26.650  | 0.0106  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -4.177  | -0.0017 | -2.5 to 2.5 | Pass |
|       | 2535 | 50 | 0 | 20  | 3.27 | 6.495   | 0.0026  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 42.057  | 0.0166  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 9.513   | 0.0038  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -27.924 | -0.0110 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -17.023 | -0.0067 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 24.390  | 0.0096  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 2.189   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -1.030  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 41.370  | 0.0163  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 36.693  | 0.0145  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 41.399  | 0.0163  | -2.5 to 2.5 | Pass |
|       | 2565 | 50 | 0 | 20  | 3.27 | -12.403 | -0.0048 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -18.196 | -0.0071 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 9.842   | 0.0038  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -14.849 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -42.644 | -0.0166 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -42.472 | -0.0166 | -2.5 to 2.5 | Pass |

|  |  |  |  |    |      |         |         |             |      |
|--|--|--|--|----|------|---------|---------|-------------|------|
|  |  |  |  | 0  | 3.85 | 3.905   | 0.0015  | -2.5 to 2.5 | Pass |
|  |  |  |  | 10 | 3.85 | -20.113 | -0.0078 | -2.5 to 2.5 | Pass |
|  |  |  |  | 30 | 3.85 | 4.706   | 0.0018  | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | 38.395  | 0.0150  | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -30.398 | -0.0119 | -2.5 to 2.5 | Pass |

### 2.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2507.5          | 75            | 0      | 20         | 3.27          | -24.776          | -0.0099               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.220           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 22.759           | 0.0091                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 17.424           | 0.0069                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 12.631           | 0.0050                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 36.907           | 0.0147                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 29.855           | 0.0119                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.566           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 35.577           | 0.0142                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 28.424           | 0.0113                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 12.989           | 0.0052                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 3.27          | -25.063          | -0.0099               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 38.567           | 0.0152                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 27.967           | 0.0110                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 20.943           | 0.0083                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 30.155           | 0.0119                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 31.657           | 0.0125                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 25.020           | 0.0099                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.693           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 23.403           | 0.0092                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 43.073           | 0.0170                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 43.044           | 0.0170                | -2.5 to 2.5 | Pass    |
|                            | 2562.5          | 75            | 0      | 20         | 3.27          | -31.171          | -0.0122               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -13.847          | -0.0054               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.187           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.186           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 34.418           | 0.0134                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 25.792           | 0.0101                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 35.477           | 0.0138                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 20.027           | 0.0078                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 25.635           | 0.0100                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 27.680           | 0.0108                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 5.722            | 0.0022                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2507.5          | 75            | 0      | 20         | 3.27          | -8.497           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -22.016          | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -14.706          | -0.0059               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.276            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -15.249          | -0.0061               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -9.413           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -9.255           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -12.617          | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -22.488          | -0.0090               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -31.757          | -0.0127               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -25.520          | -0.0102               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 3.27          | 16.036           | 0.0063                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.187           | -0.0005               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   |     | 4.43 | 30.055  | 0.0119  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 21.100  | 0.0083  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 28.853  | 0.0114  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 37.508  | 0.0148  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 33.274  | 0.0131  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -6.323  | -0.0025 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 9.470   | 0.0037  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 8.841   | 0.0035  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 20.571  | 0.0081  | -2.5 to 2.5 | Pass |
|  | 2562.5 | 75 | 0 | 20  | 3.27 | 17.667  | 0.0069  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -25.277 | -0.0099 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -10.786 | -0.0042 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -36.449 | -0.0142 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 17.223  | 0.0067  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 24.819  | 0.0097  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -20.485 | -0.0080 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -13.890 | -0.0054 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -10.328 | -0.0040 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -32.415 | -0.0126 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -21.815 | -0.0085 | -2.5 to 2.5 | Pass |

## 2.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2510            | 100           | 0      | 20         | 3.27          | -30.284          | -0.0121               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 35.448           | 0.0141                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 11.845           | 0.0047                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 11.287           | 0.0045                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 23.561           | 0.0094                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 38.366           | 0.0153                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 8.225            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 30.870           | 0.0123                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 38.667           | 0.0154                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.680           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 3.505            | 0.0014                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 100           | 0      | 20         | 3.27          | -15.564          | -0.0061               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 24.018           | 0.0095                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 28.052           | 0.0111                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 30.799           | 0.0121                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 31.414           | 0.0124                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 31.815           | 0.0126                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 30.928           | 0.0122                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 27.680           | 0.0109                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 22.273           | 0.0088                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 16.737           | 0.0066                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 13.990           | 0.0055                | -2.5 to 2.5 | Pass    |
|                            | 2560            | 100           | 0      | 20         | 3.27          | -24.519          | -0.0096               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -35.563          | -0.0139               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 14.334           | 0.0056                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 27.480           | 0.0107                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.931           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 20.843           | 0.0081                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 0.358            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 20.199           | 0.0079                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 20.213           | 0.0079                | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
| 16QAM | 2510 | 100 | 0 | 40  | 3.85 | 11.001  | 0.0043  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 10.958  | 0.0043  | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 22.430  | 0.0089  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -36.106 | -0.0144 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 4.43 | -20.885 | -0.0083 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -15.378 | -0.0061 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -7.997  | -0.0032 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -32.601 | -0.0130 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -23.832 | -0.0095 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 1.473   | 0.0006  | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 30  | 3.85 | 6.652   | 0.0027  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 3.762   | 0.0015  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -29.540 | -0.0118 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 18.983  | 0.0075  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -34.604 | -0.0137 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 4.43 | -16.580 | -0.0065 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -12.989 | -0.0051 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -15.907 | -0.0063 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 24.147  | 0.0095  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 3.219   | 0.0013  | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 10  | 3.85 | -7.596  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -2.346  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 5.965   | 0.0024  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 33.231  | 0.0131  | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 26.107  | 0.0102  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -29.068 | -0.0114 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 4.43 | -32.058 | -0.0125 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -3.633  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -29.855 | -0.0117 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -42.915 | -0.0168 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -11.702 | -0.0046 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -27.051 | -0.0106 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -23.346 | -0.0091 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -12.975 | -0.0051 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -14.791 | -0.0058 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 2535            | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 2535            | 25            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2535            | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2535            | 50            | 0      | Refer To Test Graph        |       | Pass    |

3.1.3 B7\_15MHz

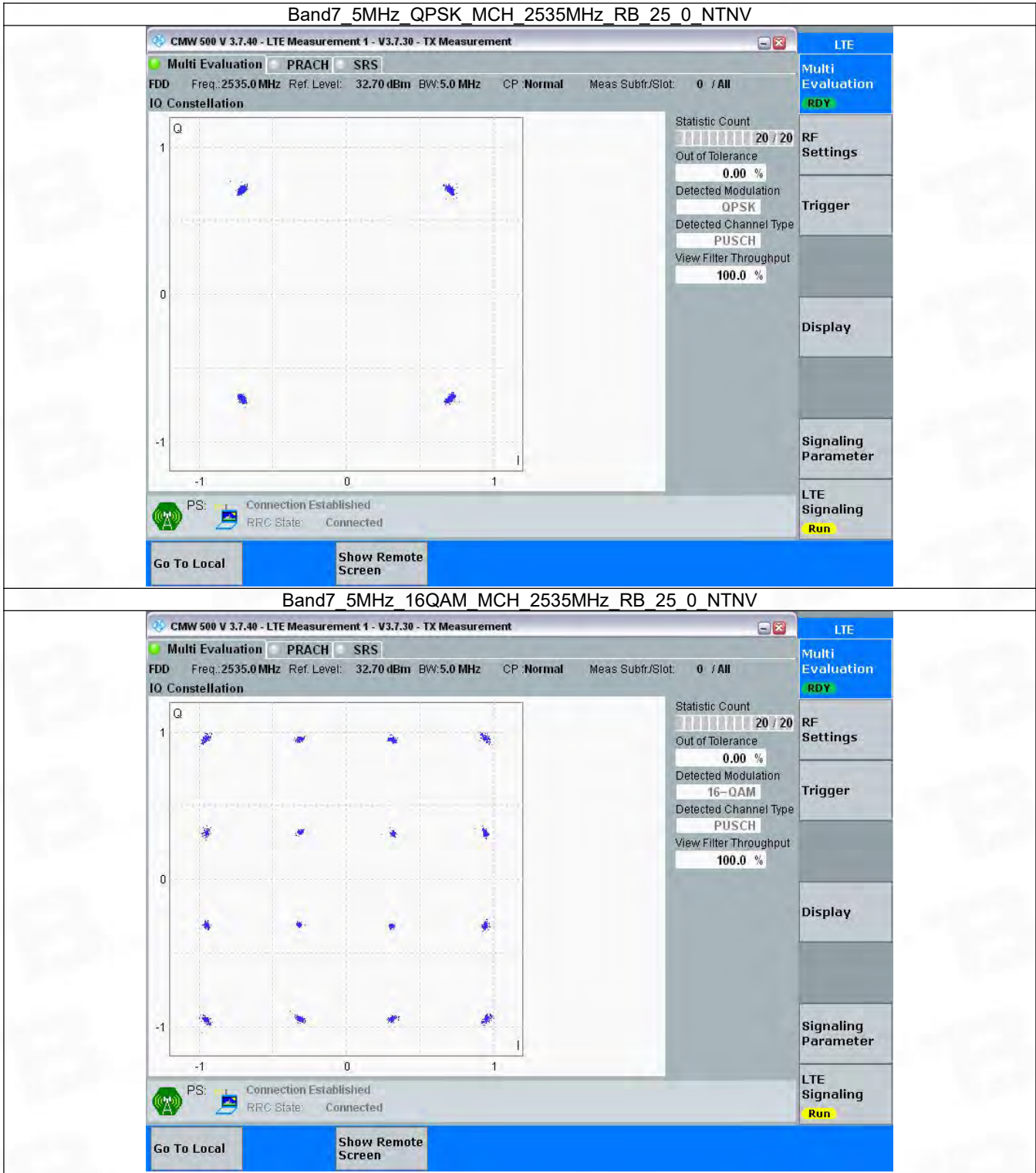
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2535            | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2535            | 75            | 0      | Refer To Test Graph        |       | Pass    |

3.1.4 B7\_20MHz

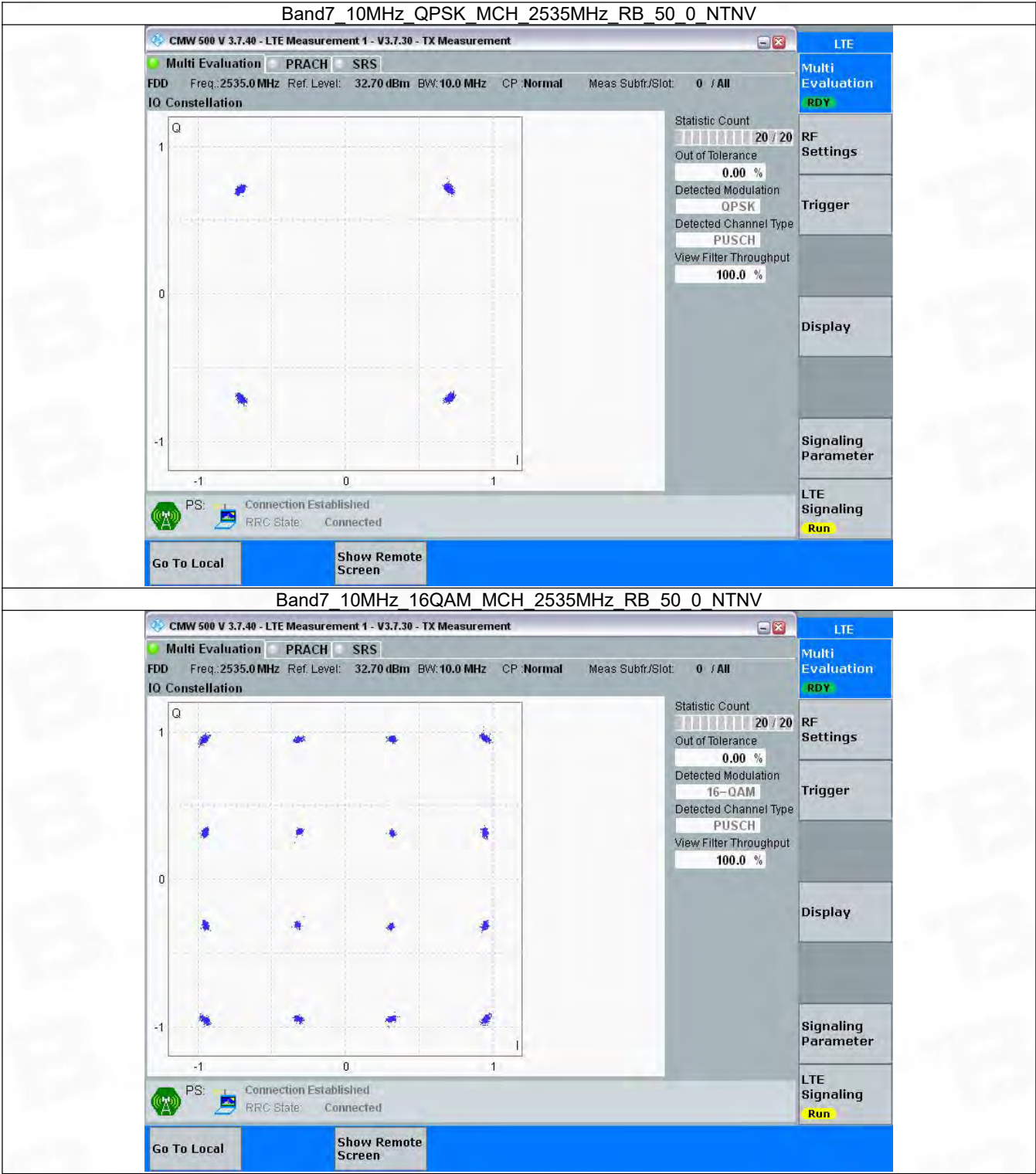
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2535            | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2535            | 100           | 0      | Refer To Test Graph        |       | Pass    |

3.2 Test Graph

3.2.1 B7\_5MHz



### 3.2.2 B7\_10MHz



Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTV

CMW 500 V 3.7.40 - LTE Measurement 1 - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq: 2535.0 MHz Ref. Level: 33.80 dBm BW: 15.0 MHz CP: Normal Meas Subfr/Slot: 0 / All

IQ Constellation

Statistic Count 20 / 20

Out of Tolerance 0.00 %

Detected Modulation QPSK

Detected Channel Type PUSCH

View Filter Throughput 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTV

CMW 500 V 3.7.40 - LTE Measurement 1 - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq: 2535.0 MHz Ref. Level: 33.80 dBm BW: 15.0 MHz CP: Normal Meas Subfr/Slot: 0 / All

IQ Constellation

Statistic Count 20 / 20

Out of Tolerance 0.00 %

Detected Modulation 16-QAM

Detected Channel Type PUSCH

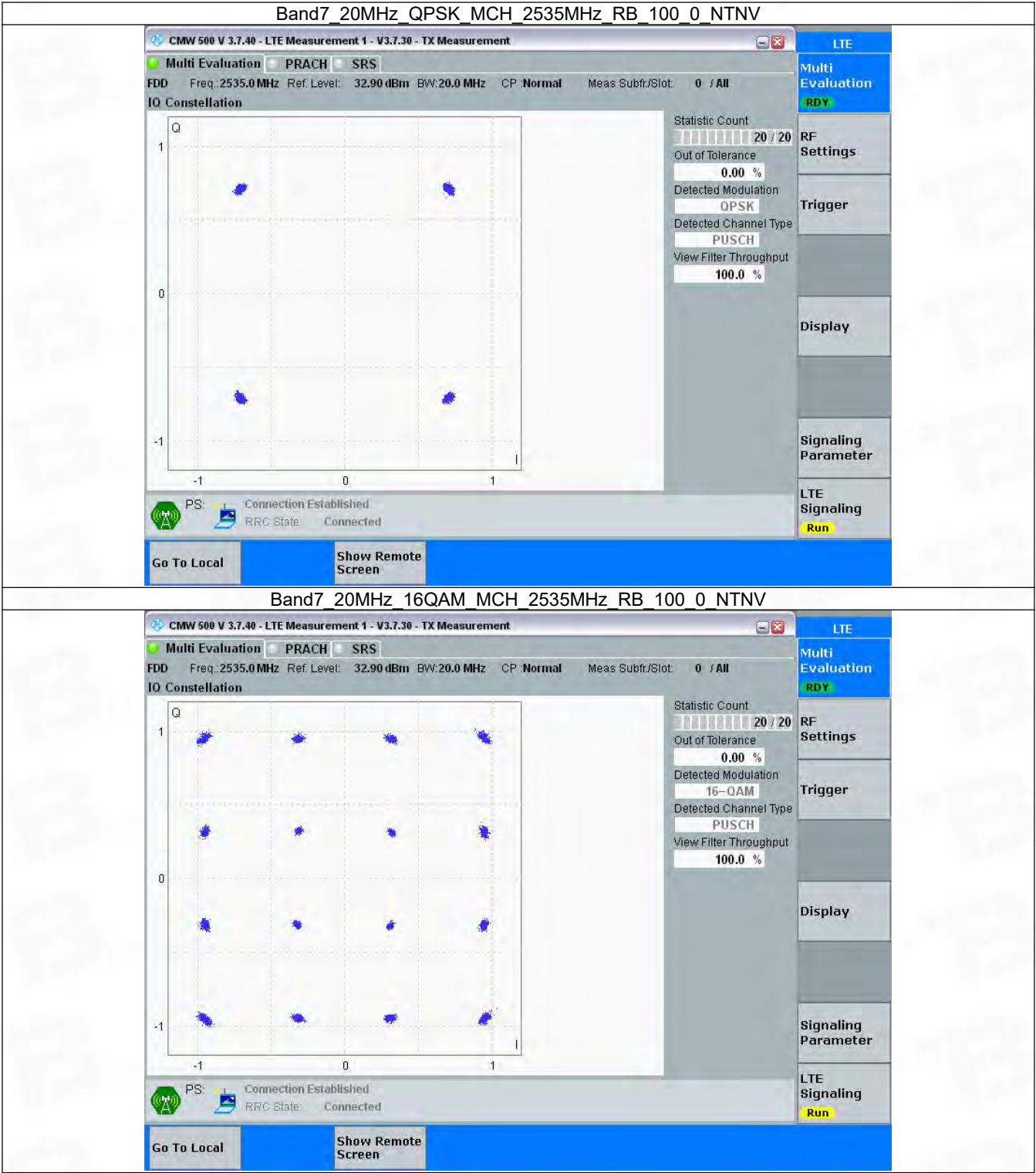
View Filter Throughput 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

3.2.4 B7\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band7\_OBW

| Band: 7 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.535                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.574                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.547                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.567                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.555                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.561                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.077                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.048                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.067                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.051                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.113                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.046                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.548                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.585                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.594                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.609                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.671                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.567                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 18.093                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.123                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.097                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 18.094                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.182                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.113                       | /     | Pass    |

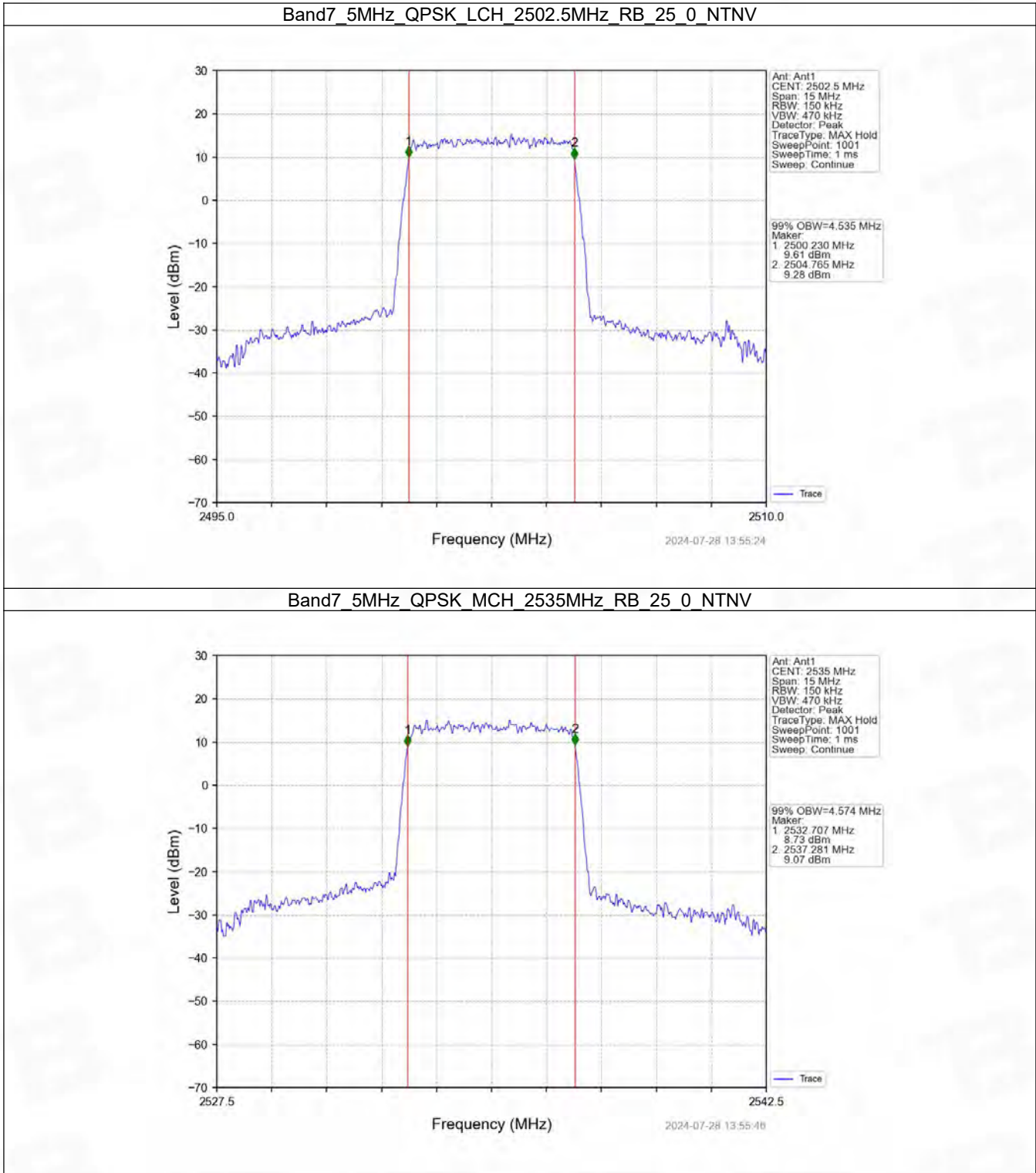
#### 4.1.2 Band7\_XDB

| Band: 7 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 5.082                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.038                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.060                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 5.074                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.051                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.076                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 10.013               | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 10.069               | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 10.064               | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 10.069               | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 10.109               | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 10.088               | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 15.088               | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 15.127               | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 15.060               | /     | Pass    |

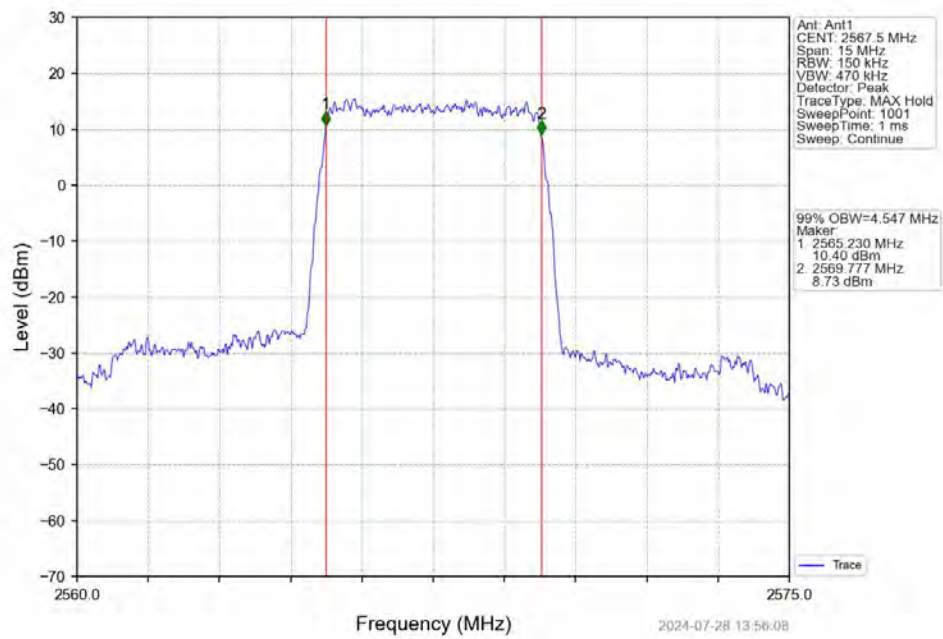
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
| 20 | 16QAM | 2507.5 | 75  | 0 | 15.084 | / | Pass |
|    |       | 2535   | 75  | 0 | 15.170 | / | Pass |
|    |       | 2562.5 | 75  | 0 | 15.008 | / | Pass |
|    | QPSK  | 2510   | 100 | 0 | 19.876 | / | Pass |
|    |       | 2535   | 100 | 0 | 20.028 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.939 | / | Pass |
|    | 16QAM | 2510   | 100 | 0 | 20.028 | / | Pass |
|    |       | 2535   | 100 | 0 | 20.076 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.966 | / | Pass |

4.2 Test Graph

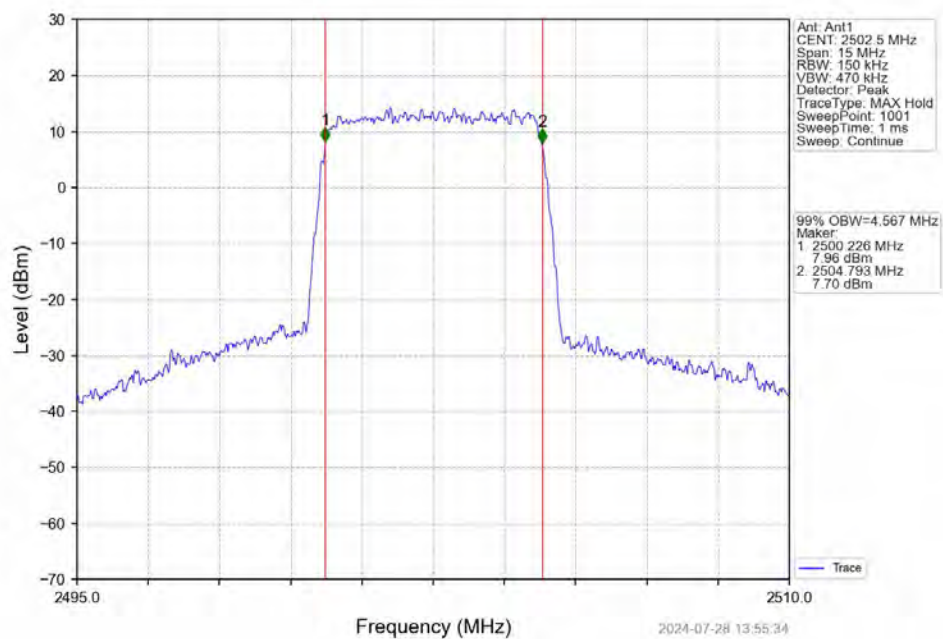
4.2.1 Band7\_OBW



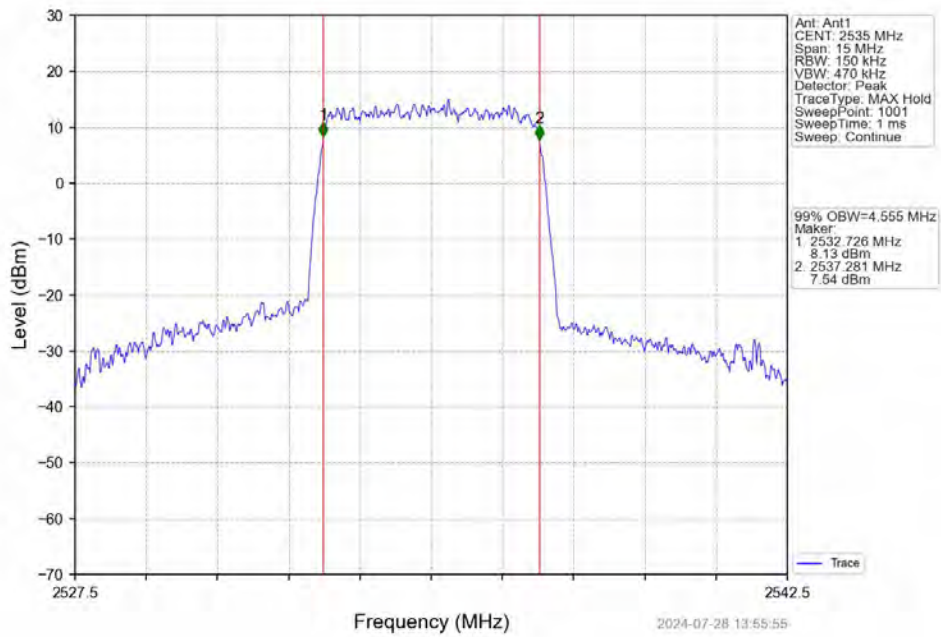
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



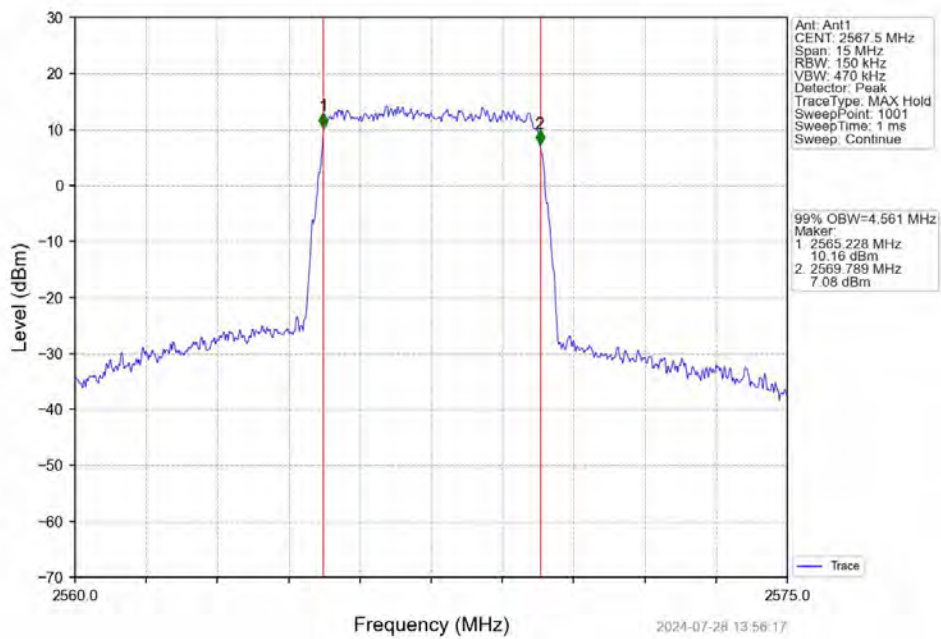
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



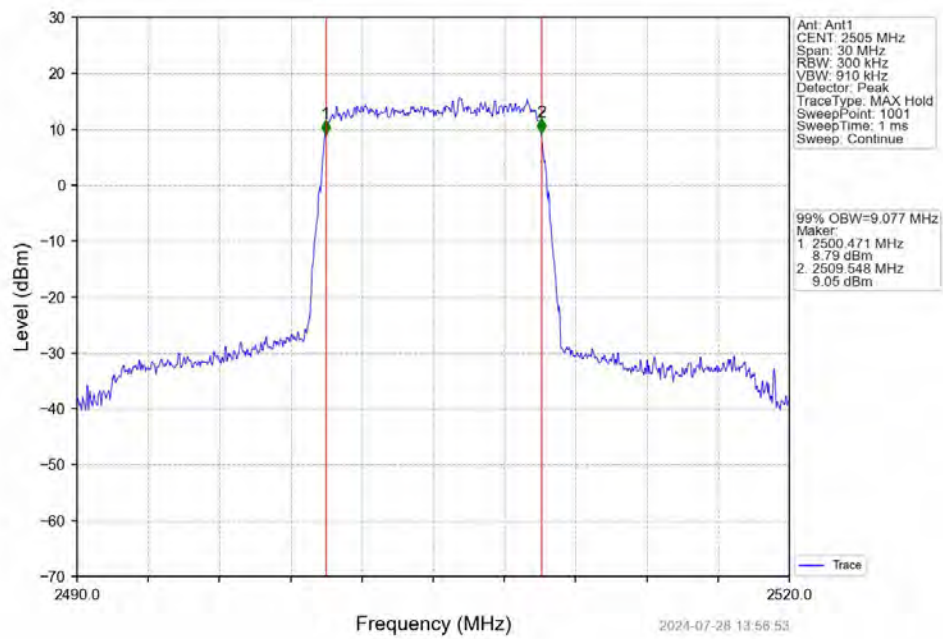
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



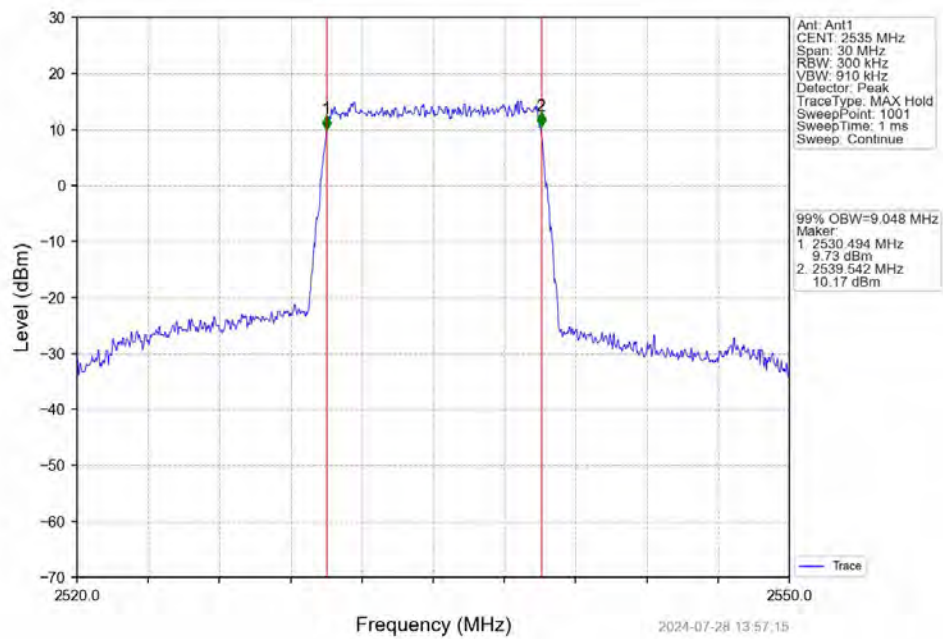
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



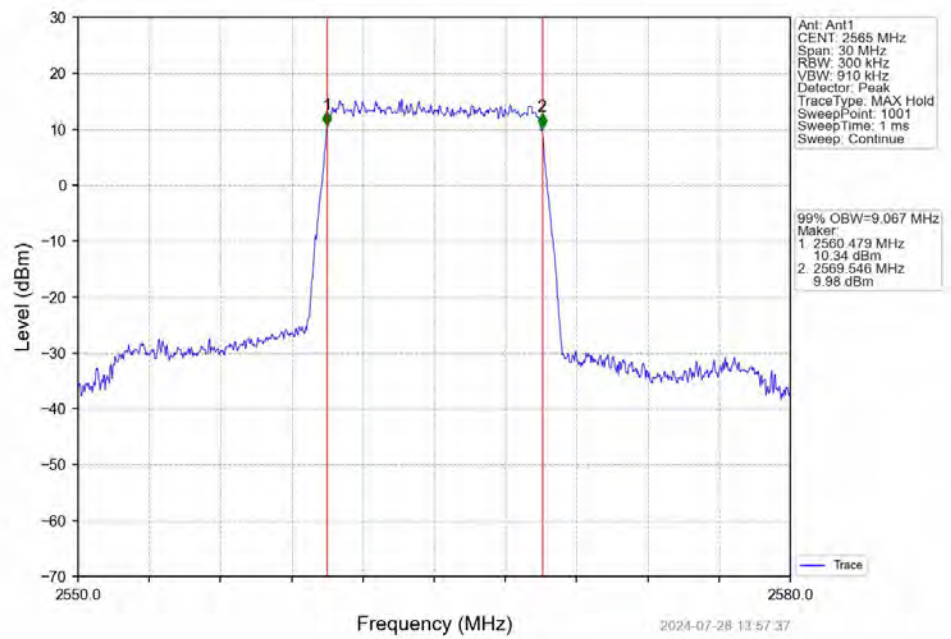
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



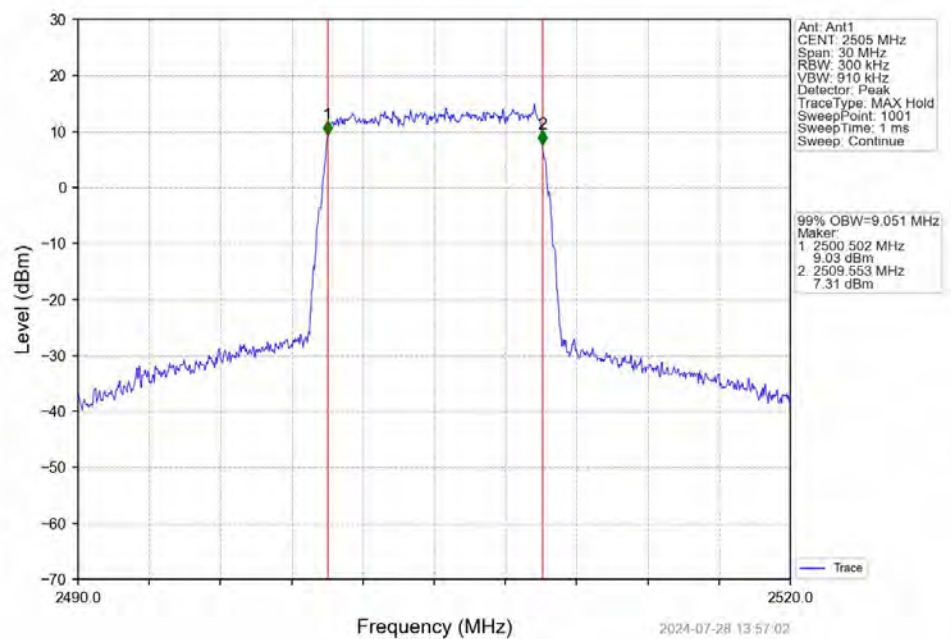
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



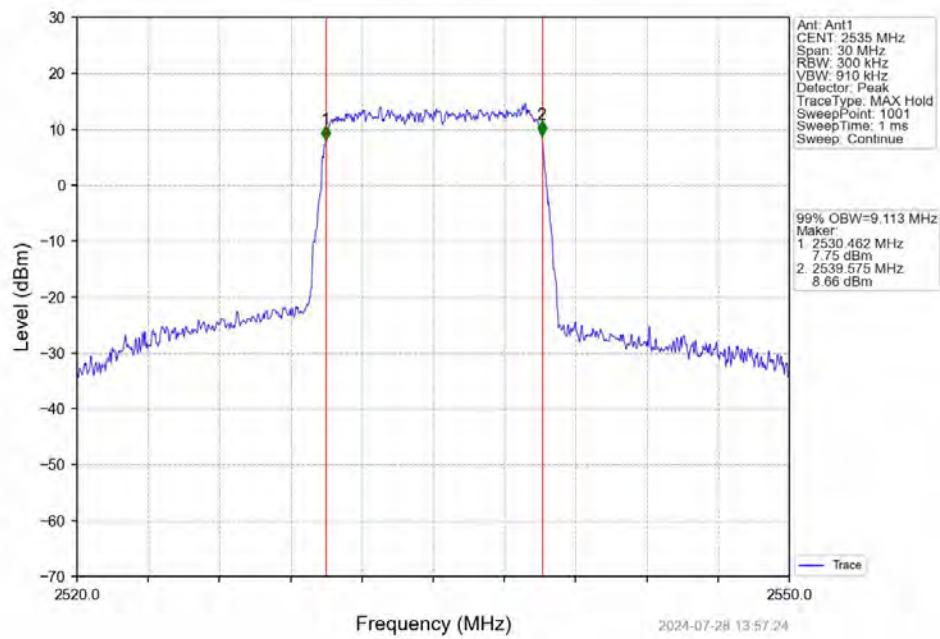
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



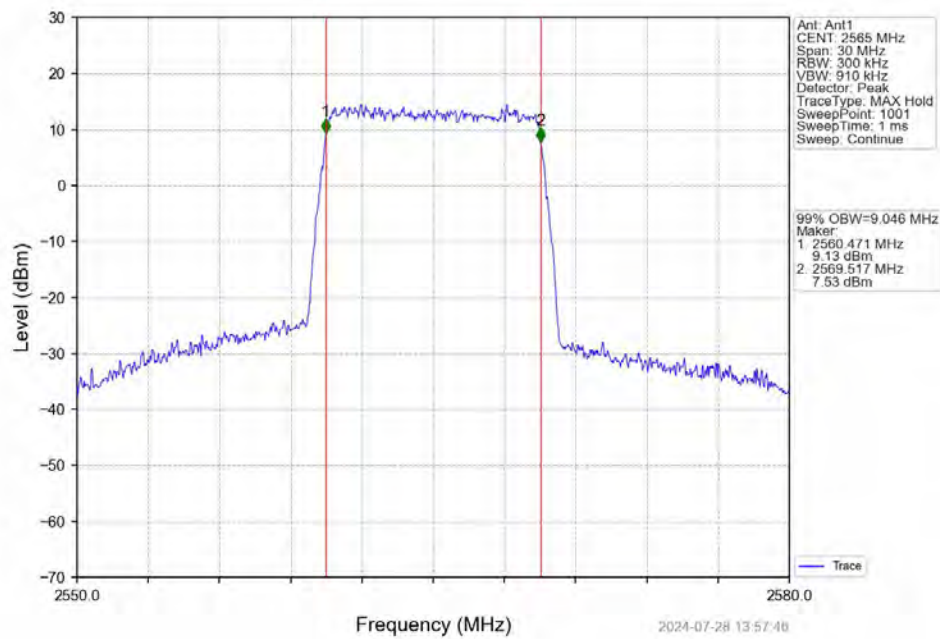
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



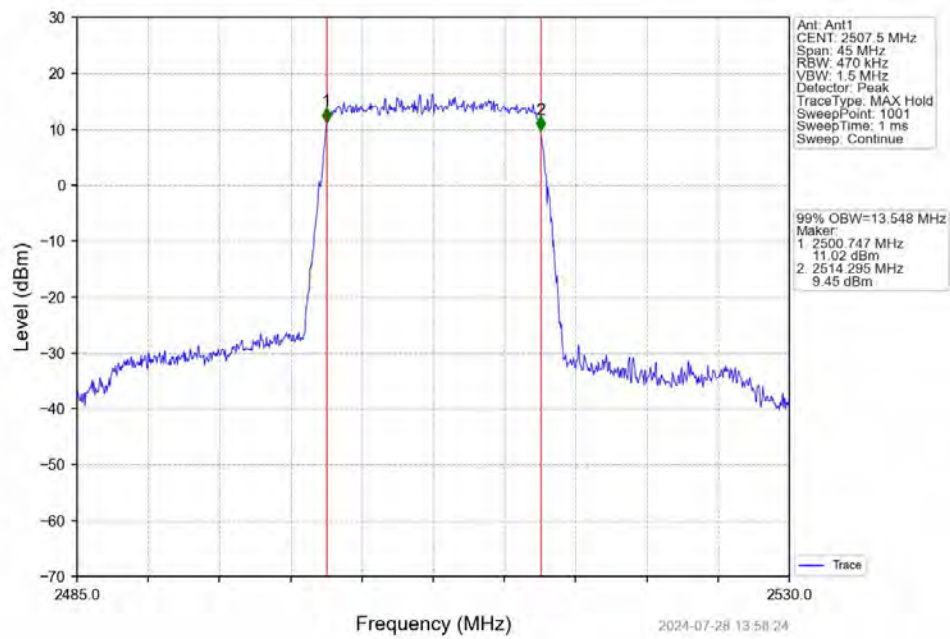
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



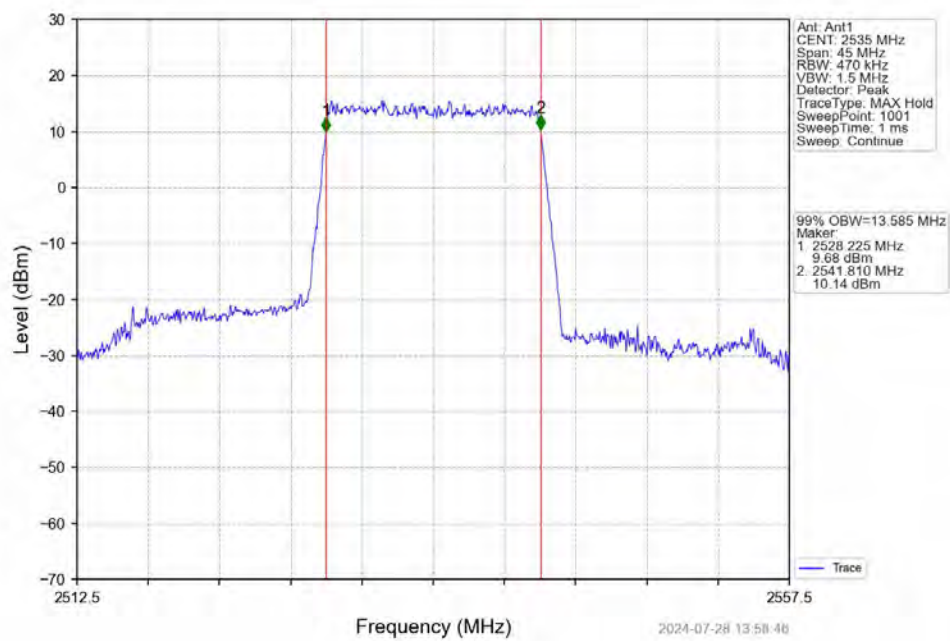
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



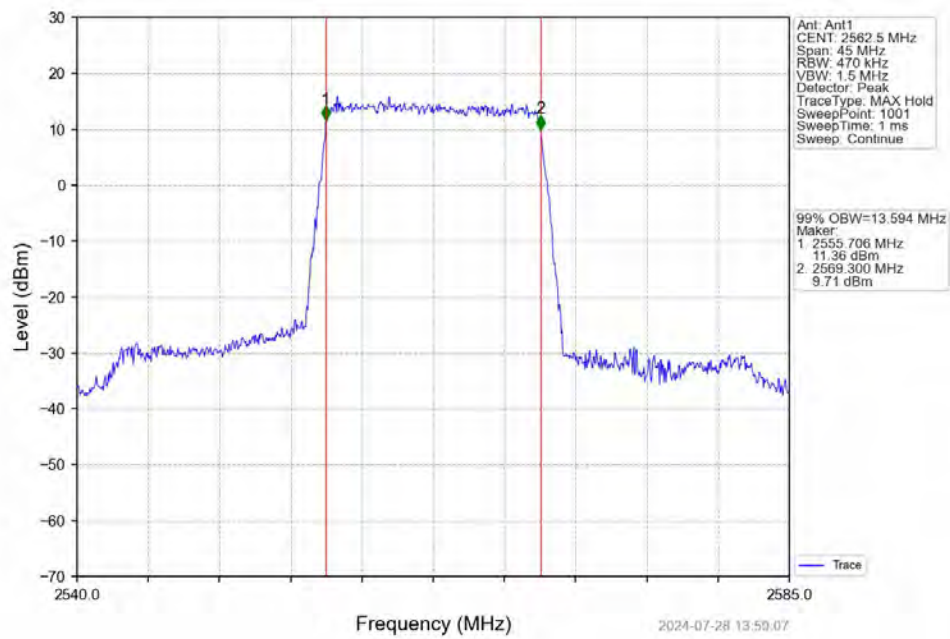
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



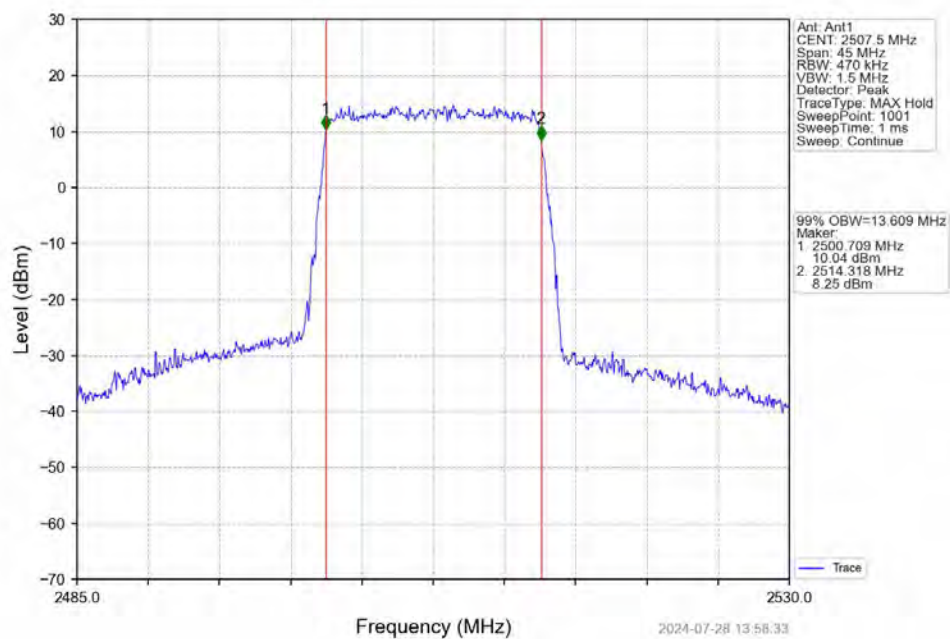
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



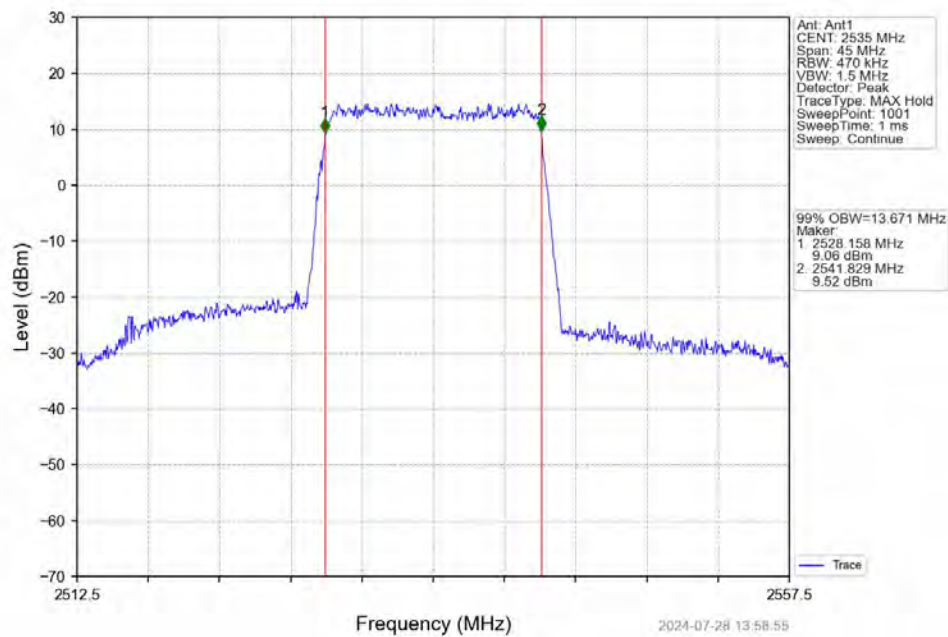
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



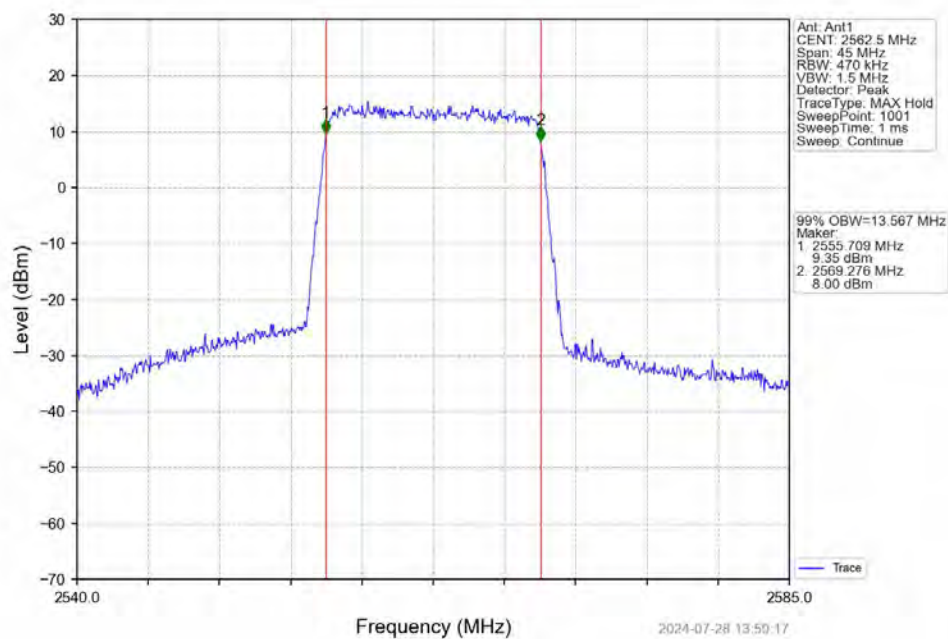
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



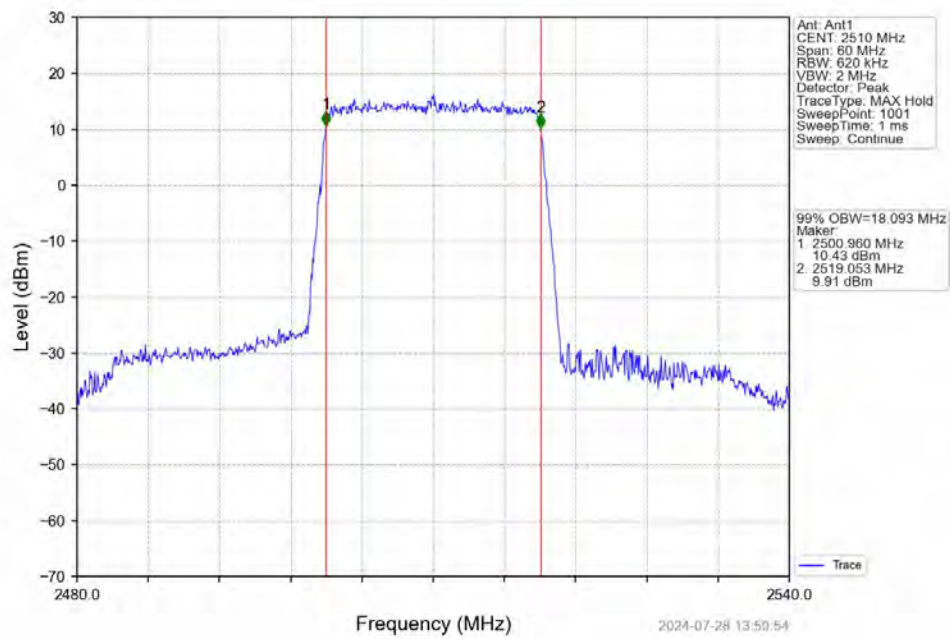
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



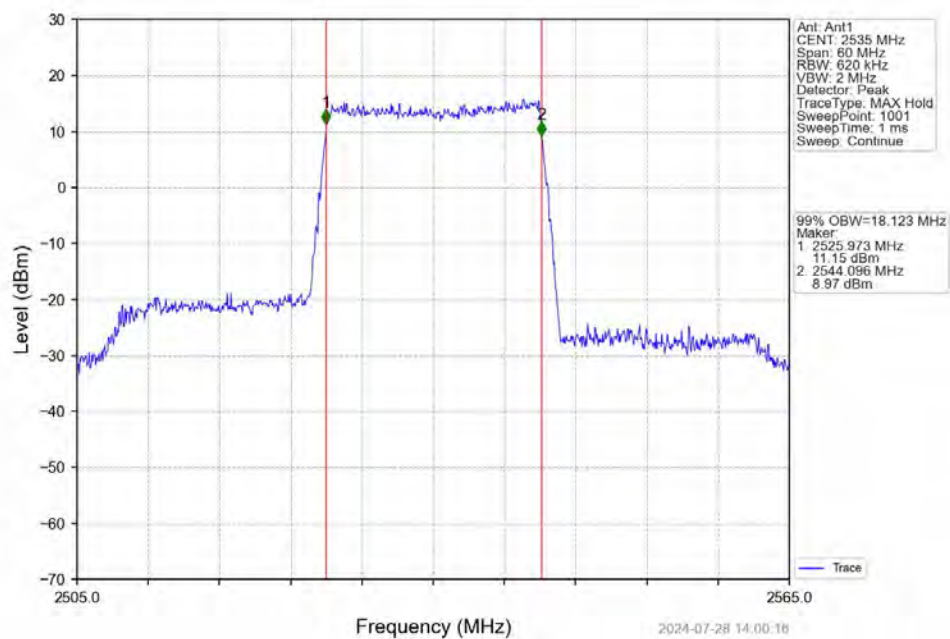
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



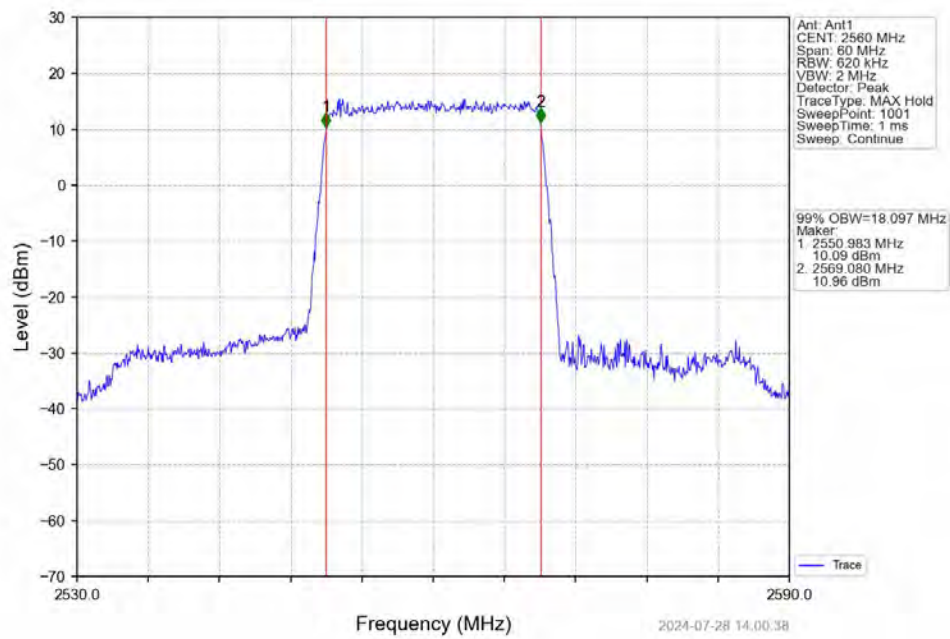
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



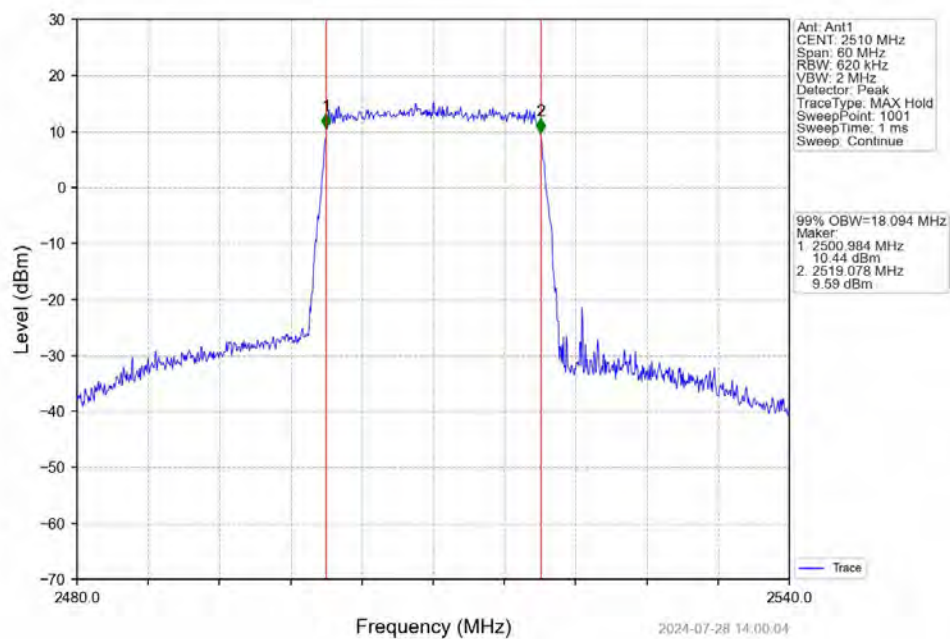
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV

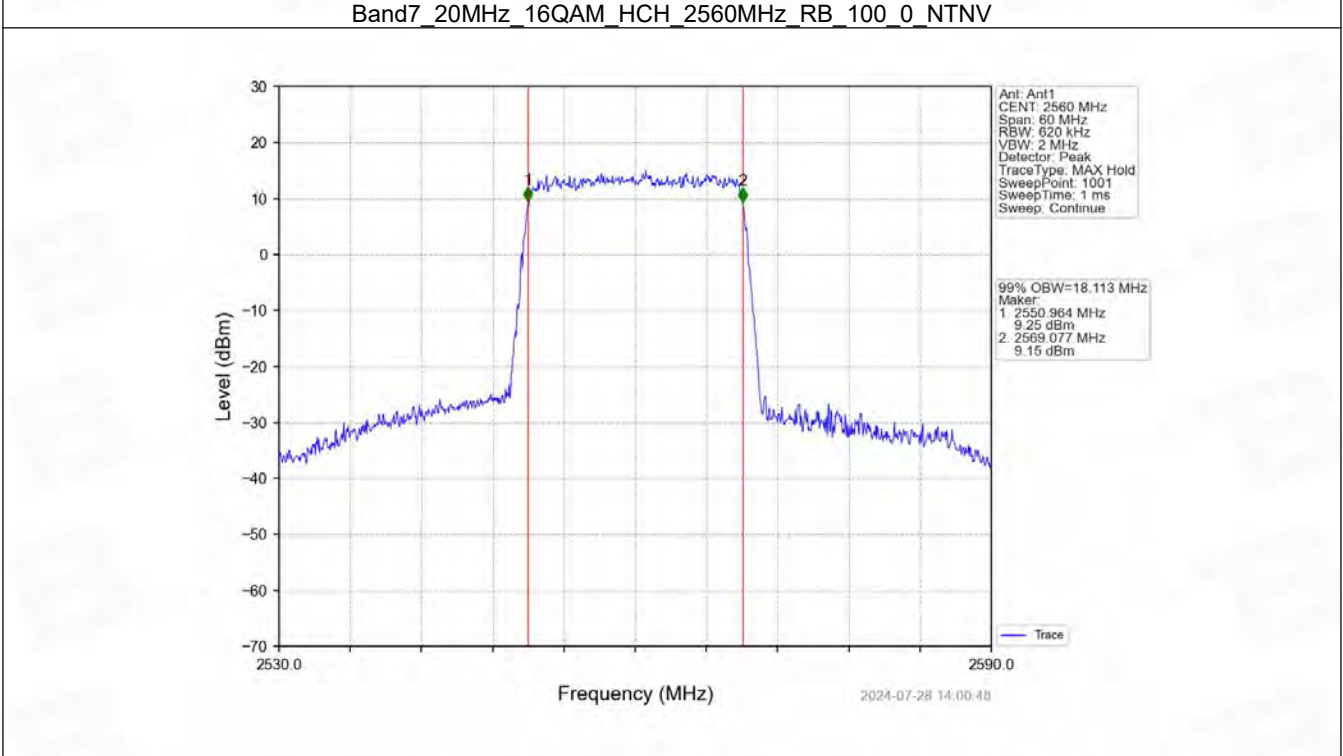
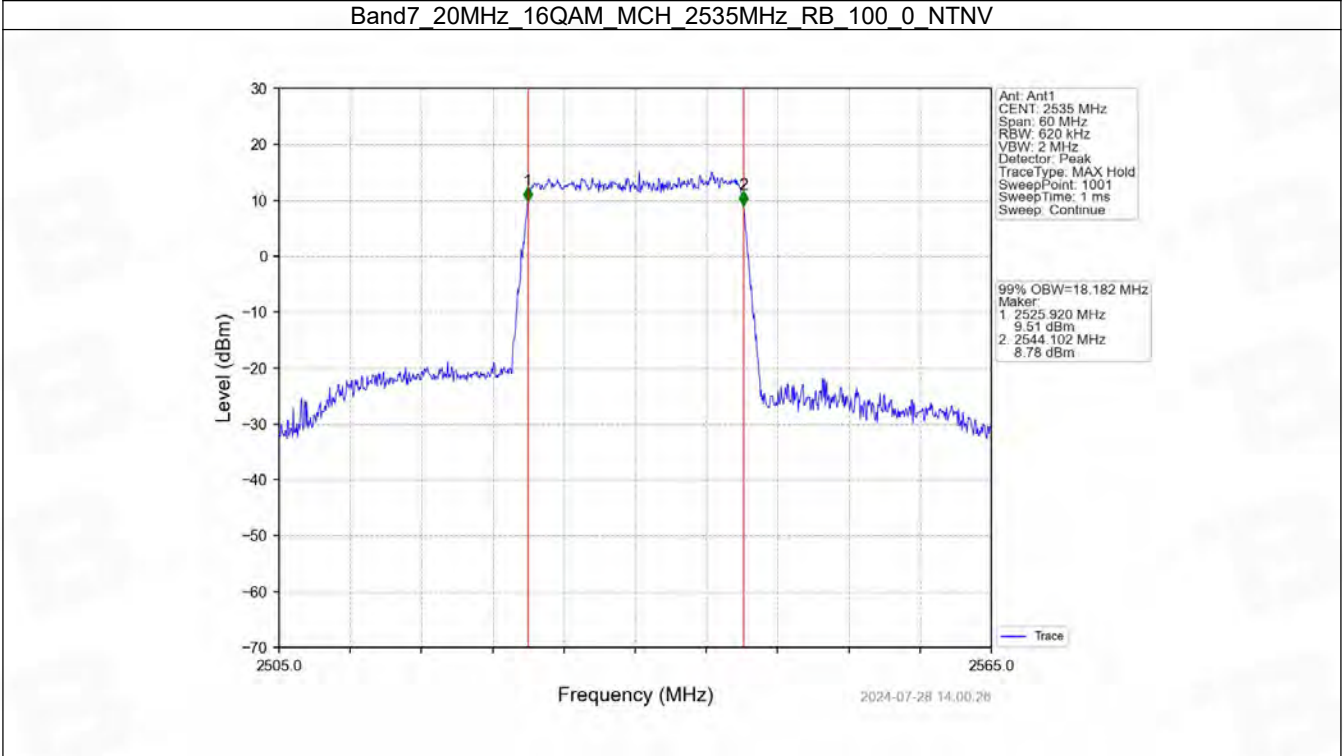


Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV

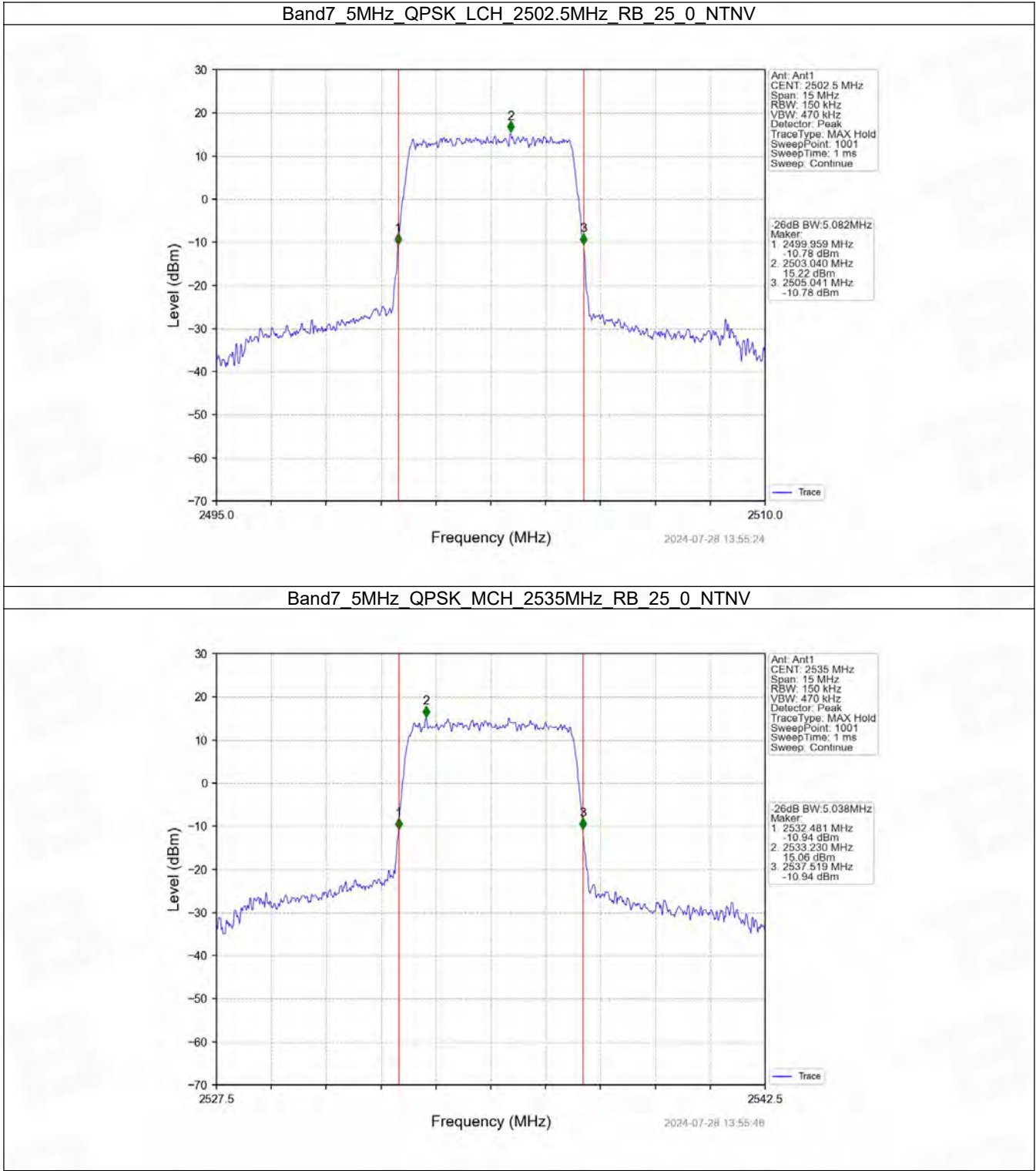


Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV

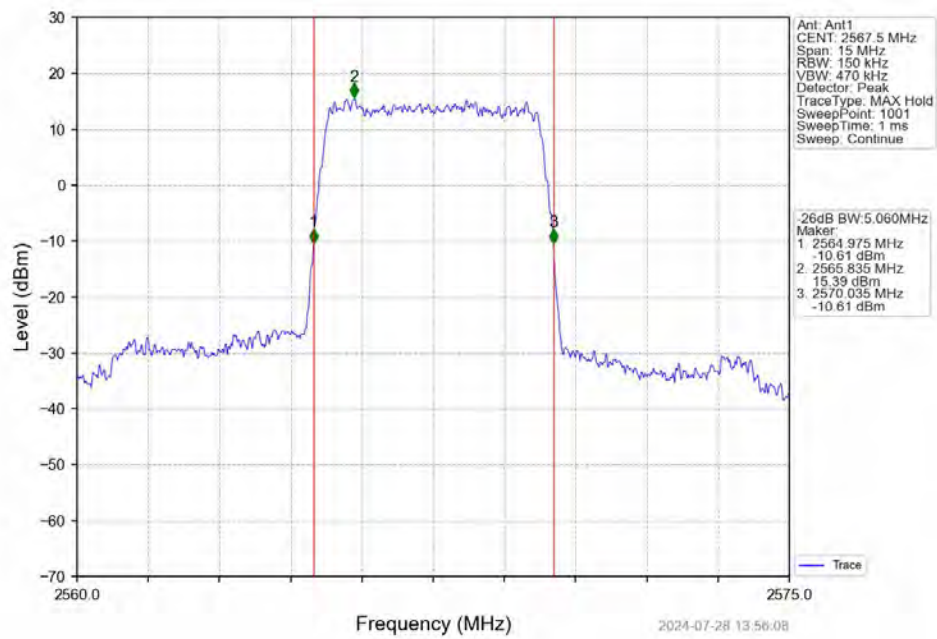




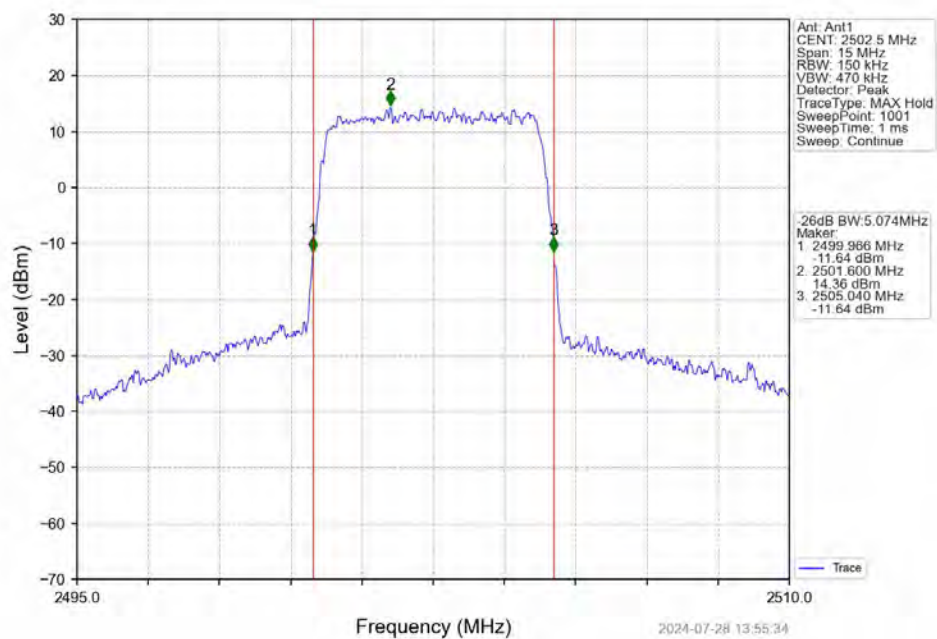
4.2.2 Band7\_XDB



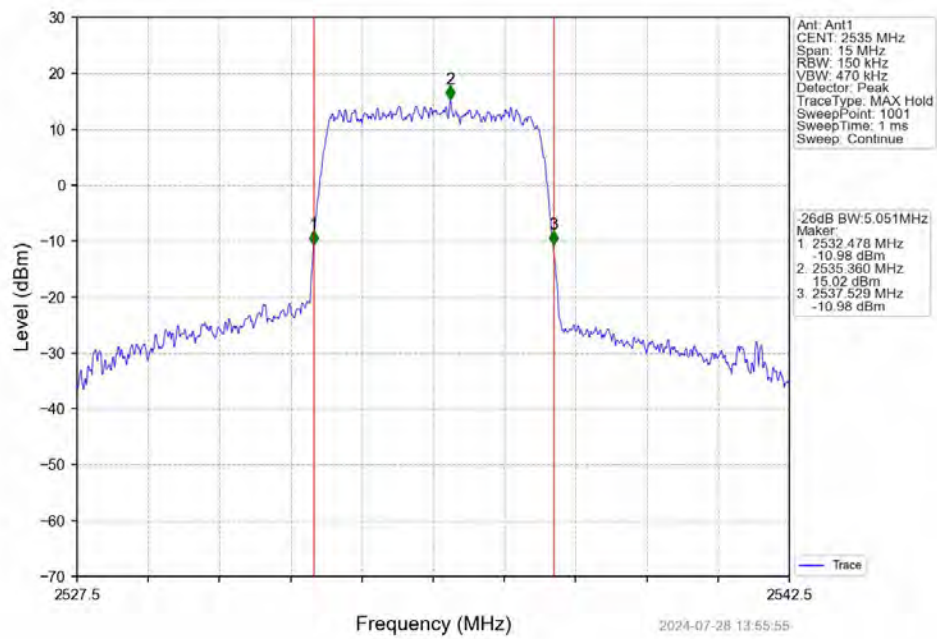
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



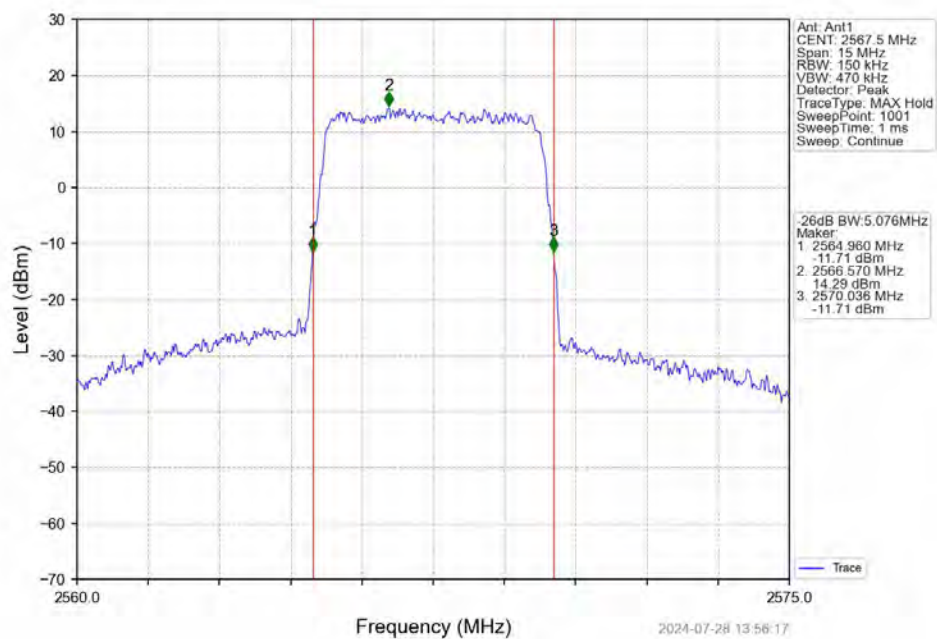
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



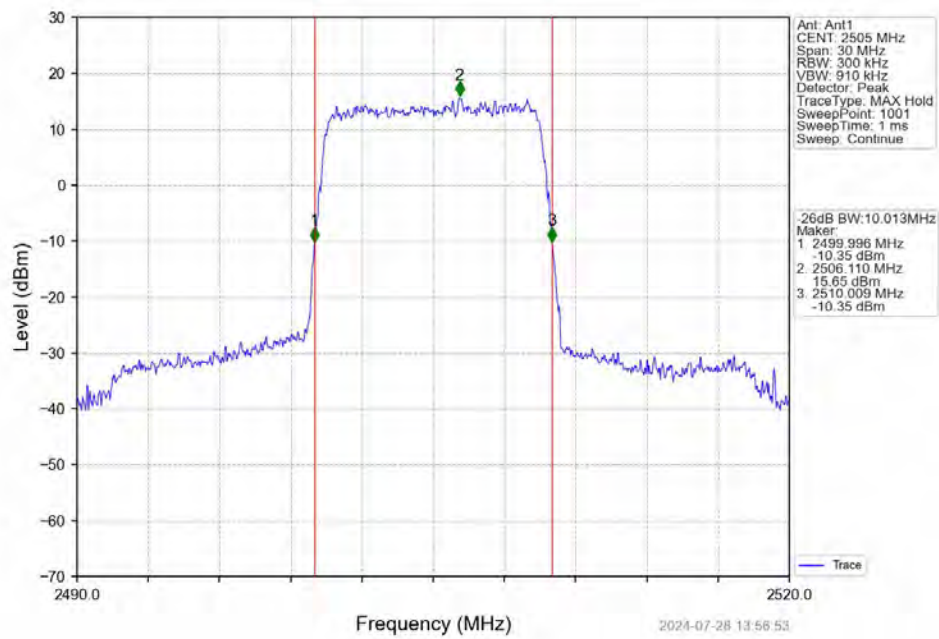
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



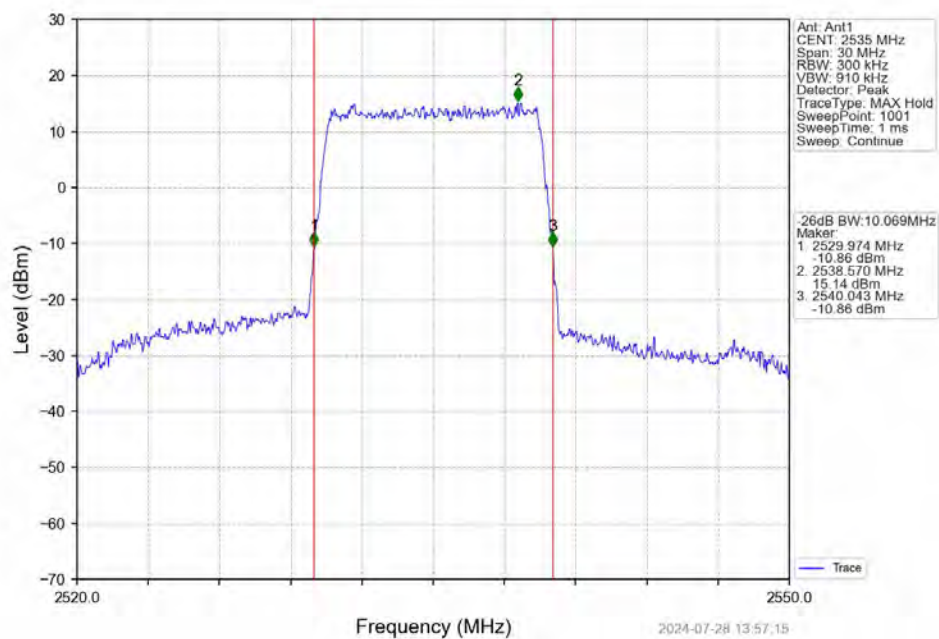
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



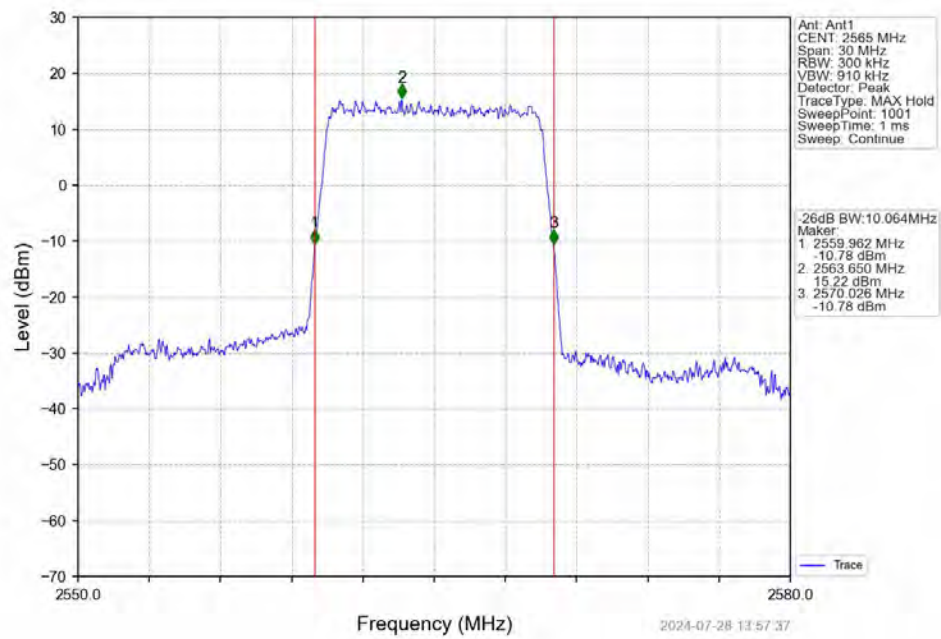
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



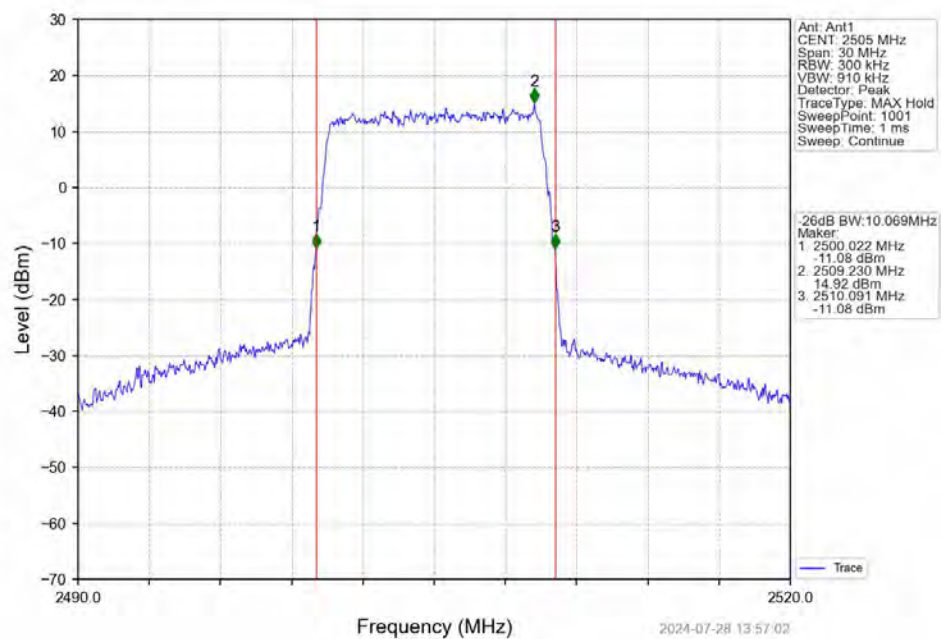
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



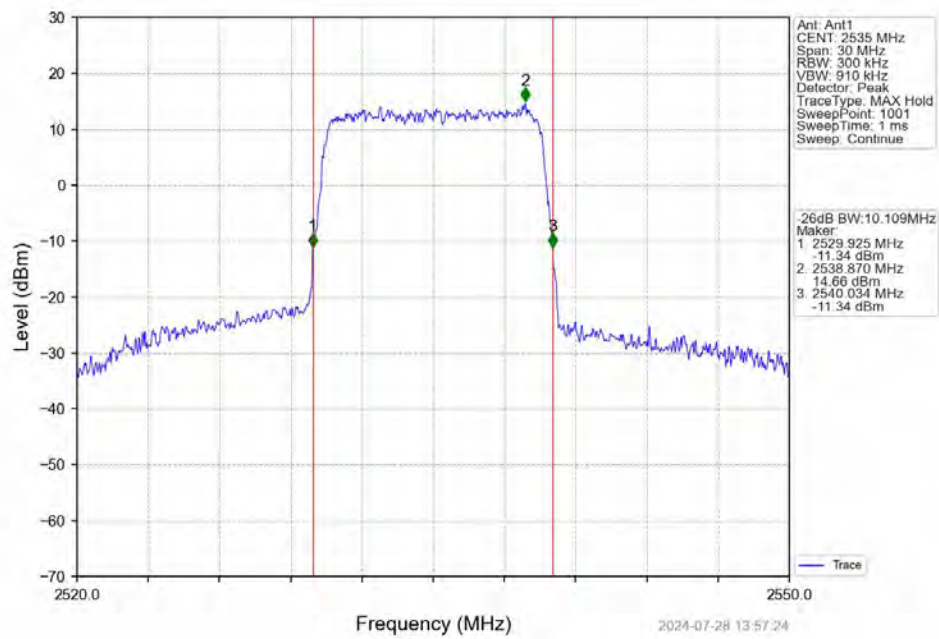
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



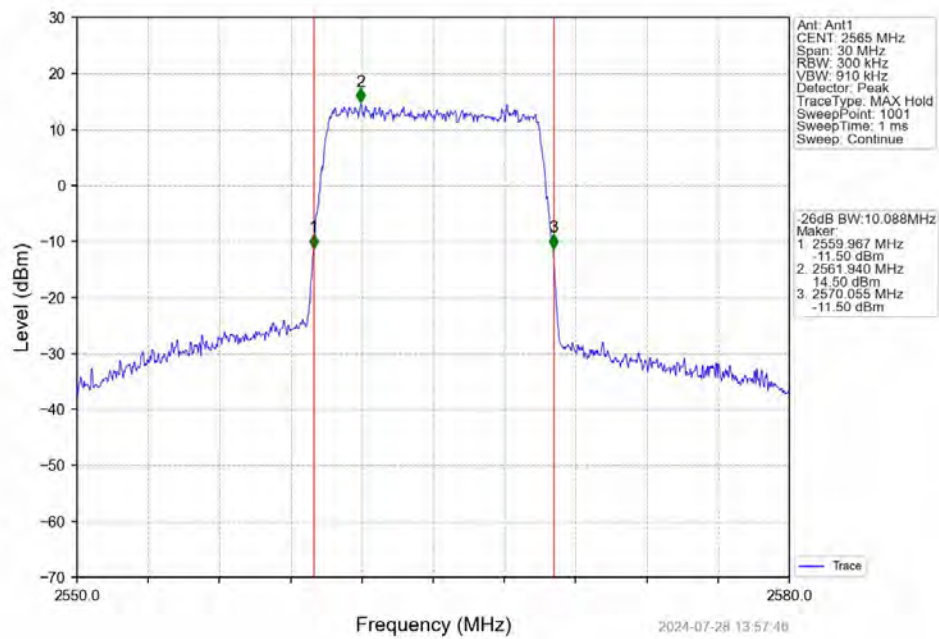
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



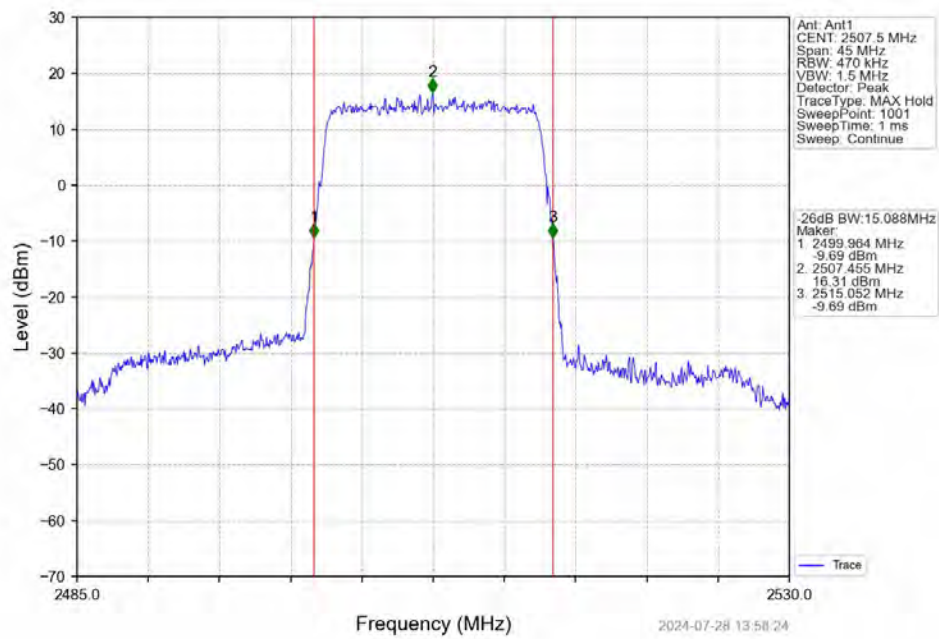
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



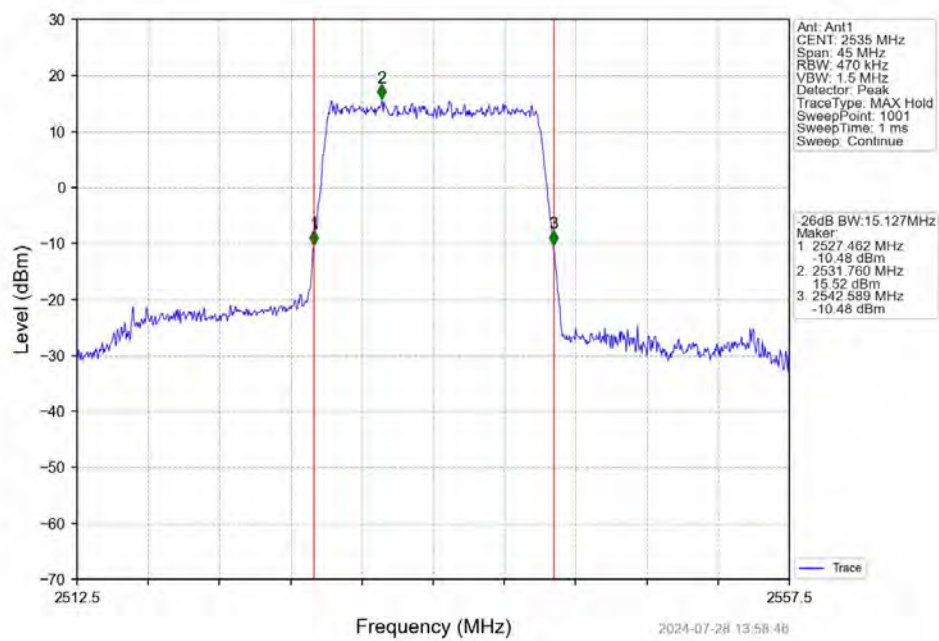
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



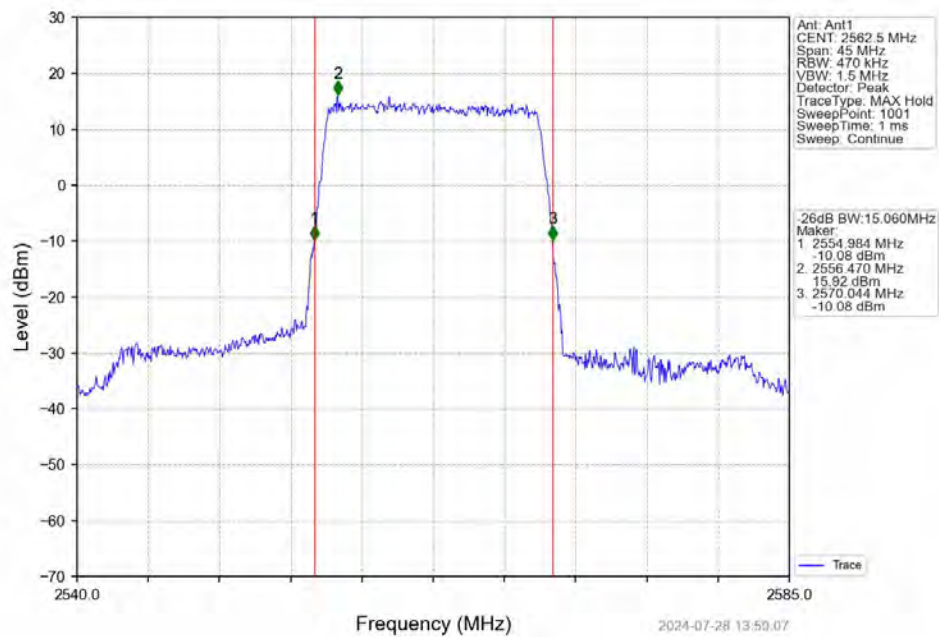
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



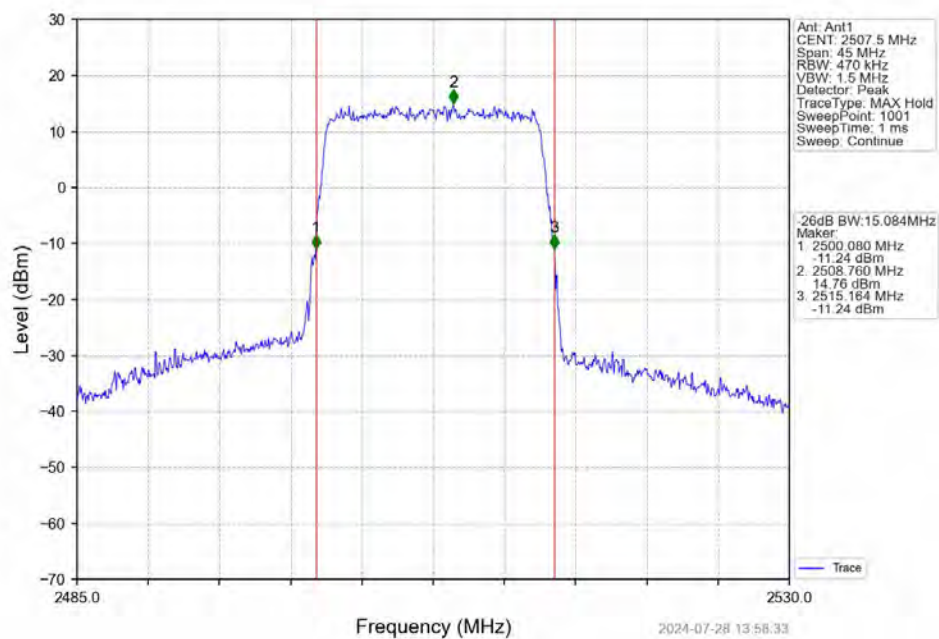
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



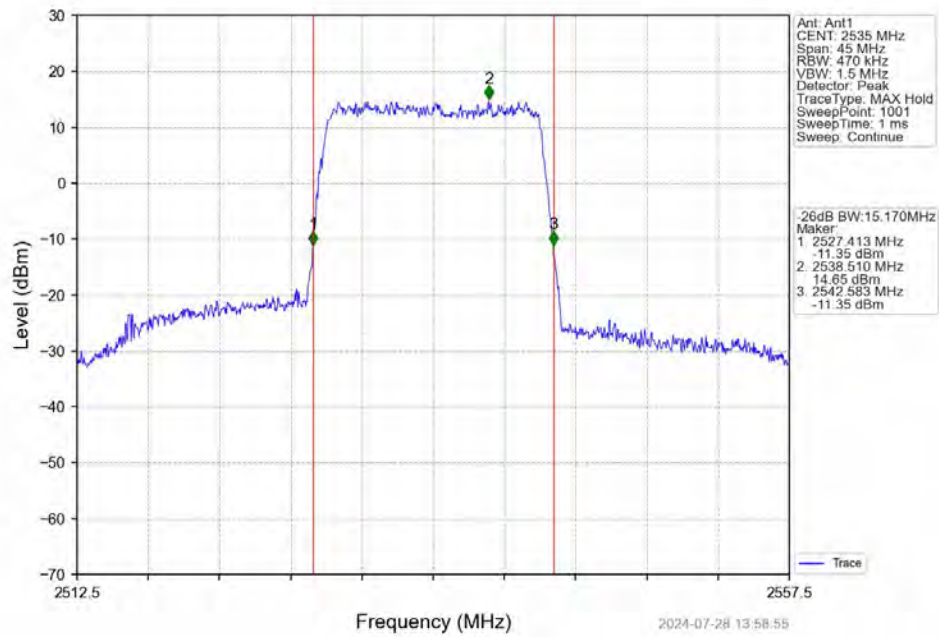
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



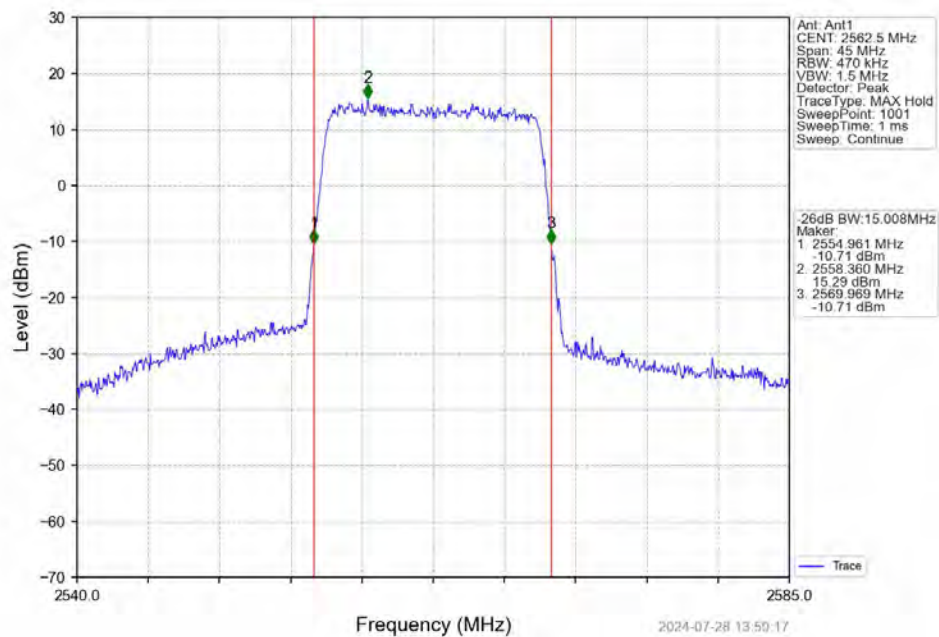
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



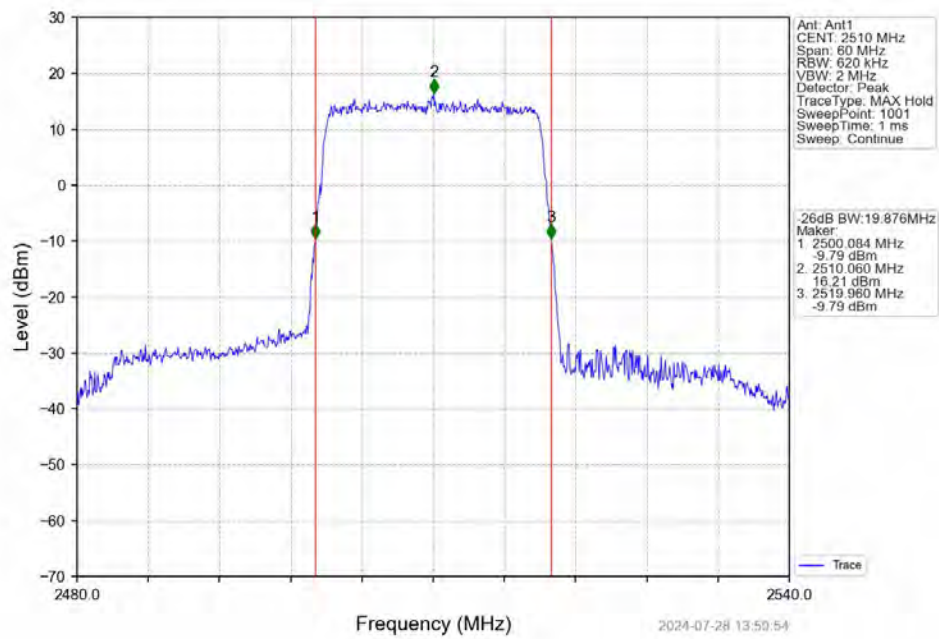
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



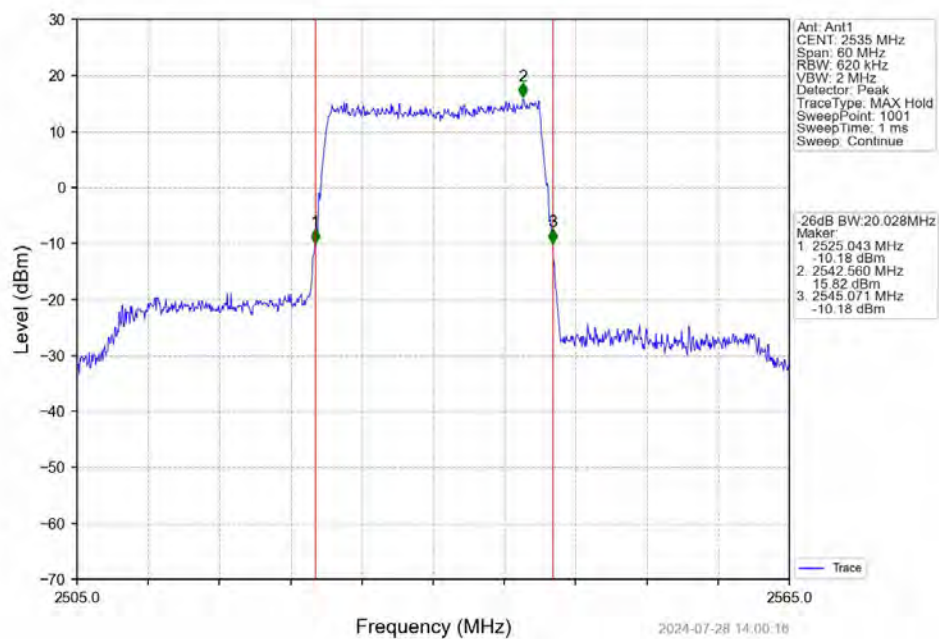
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



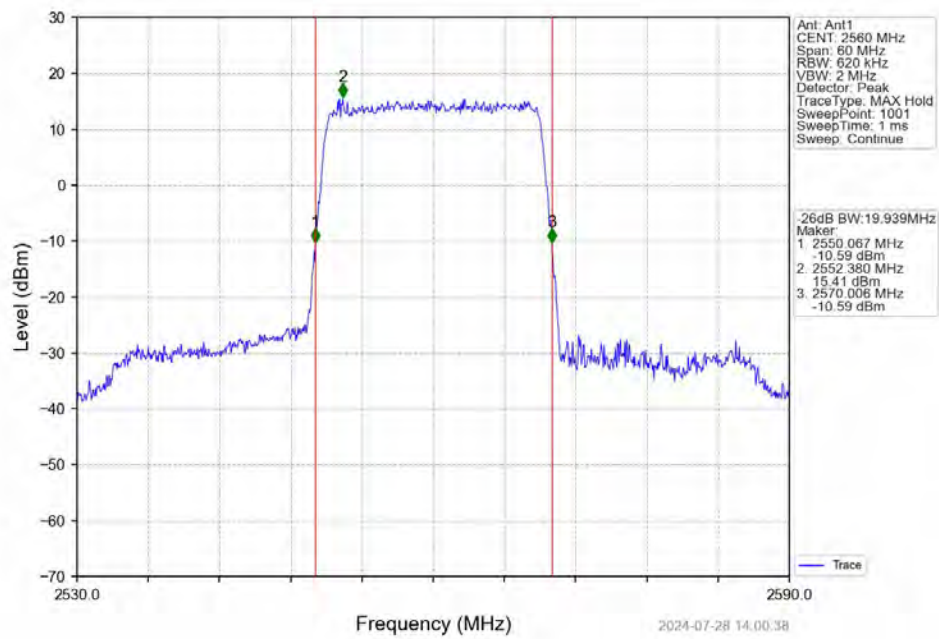
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



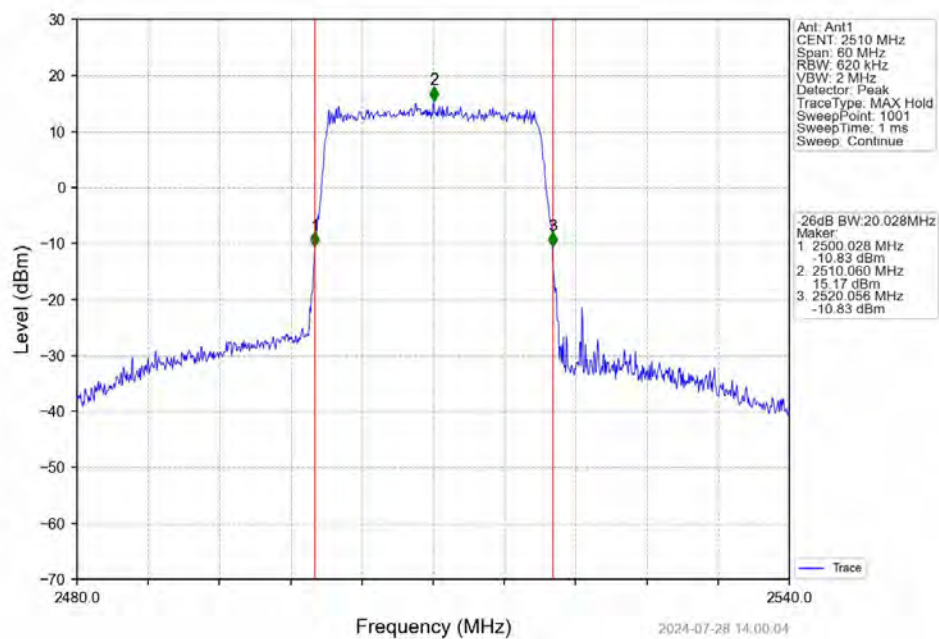
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV

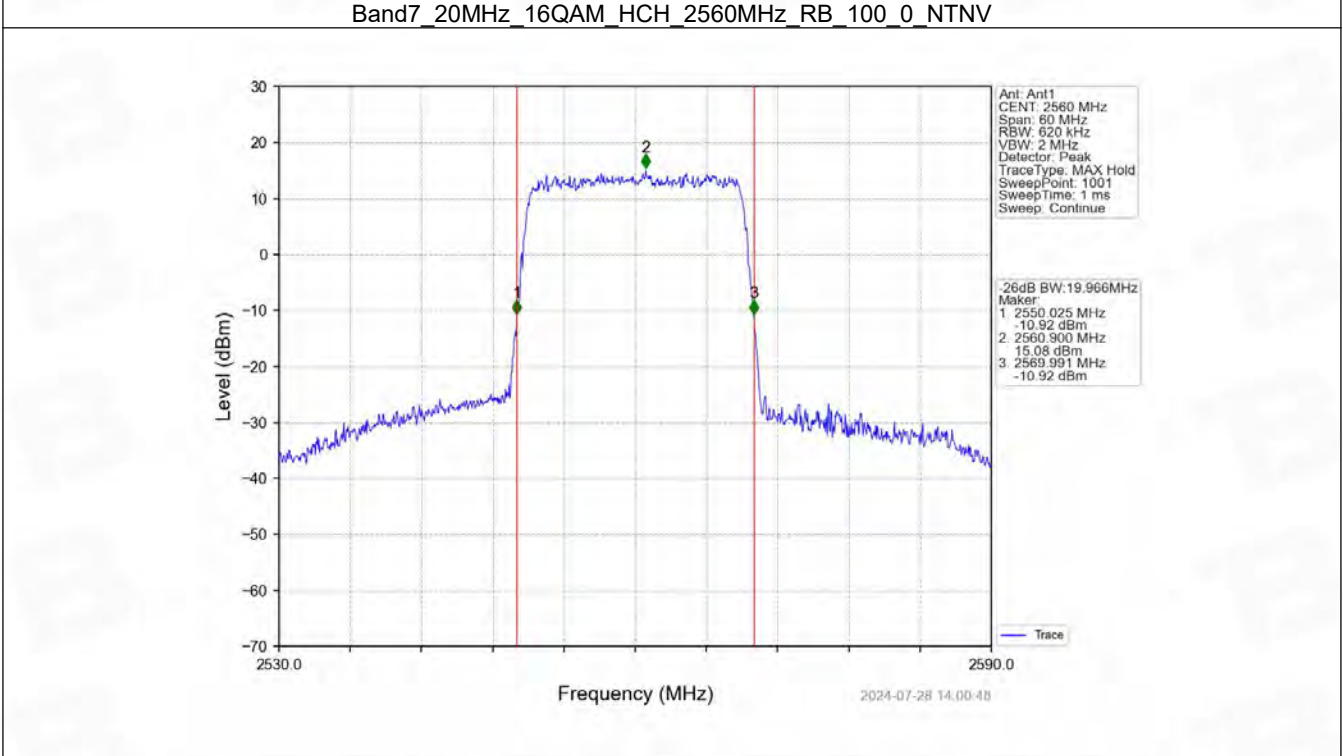
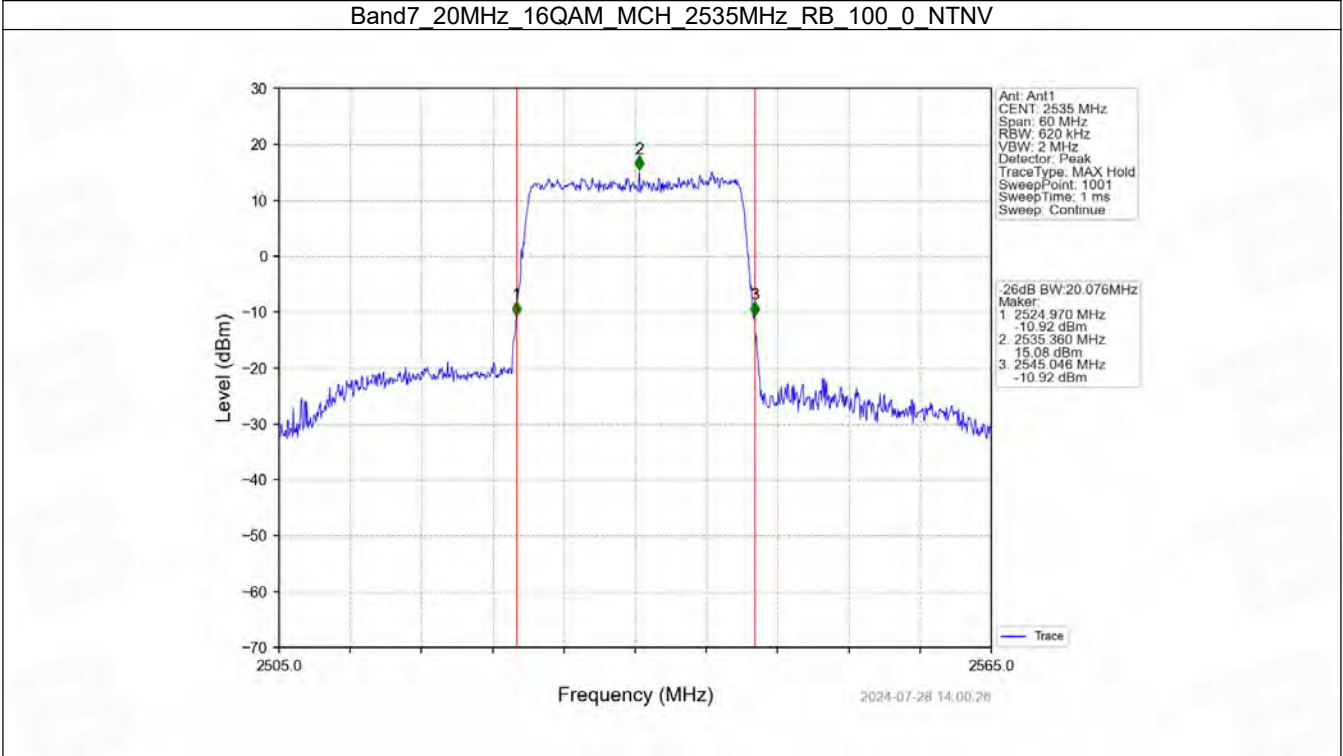


Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV





## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 2502.5          | 25            | 0      | 5.90                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.73                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 5.71                    | <=13  | Pass    |
| 16QAM                            | 2502.5          | 25            | 0      | 6.60                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 6.46                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 6.53                    | <=13  | Pass    |

#### 5.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2505            | 50            | 0      | 5.78                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.75                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 5.77                    | <=13  | Pass    |
| 16QAM                             | 2505            | 50            | 0      | 6.53                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 6.53                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 6.52                    | <=13  | Pass    |

#### 5.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2507.5          | 75            | 0      | 6.02                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 5.97                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 6.05                    | <=13  | Pass    |
| 16QAM                             | 2507.5          | 75            | 0      | 6.47                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.50                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 6.57                    | <=13  | Pass    |

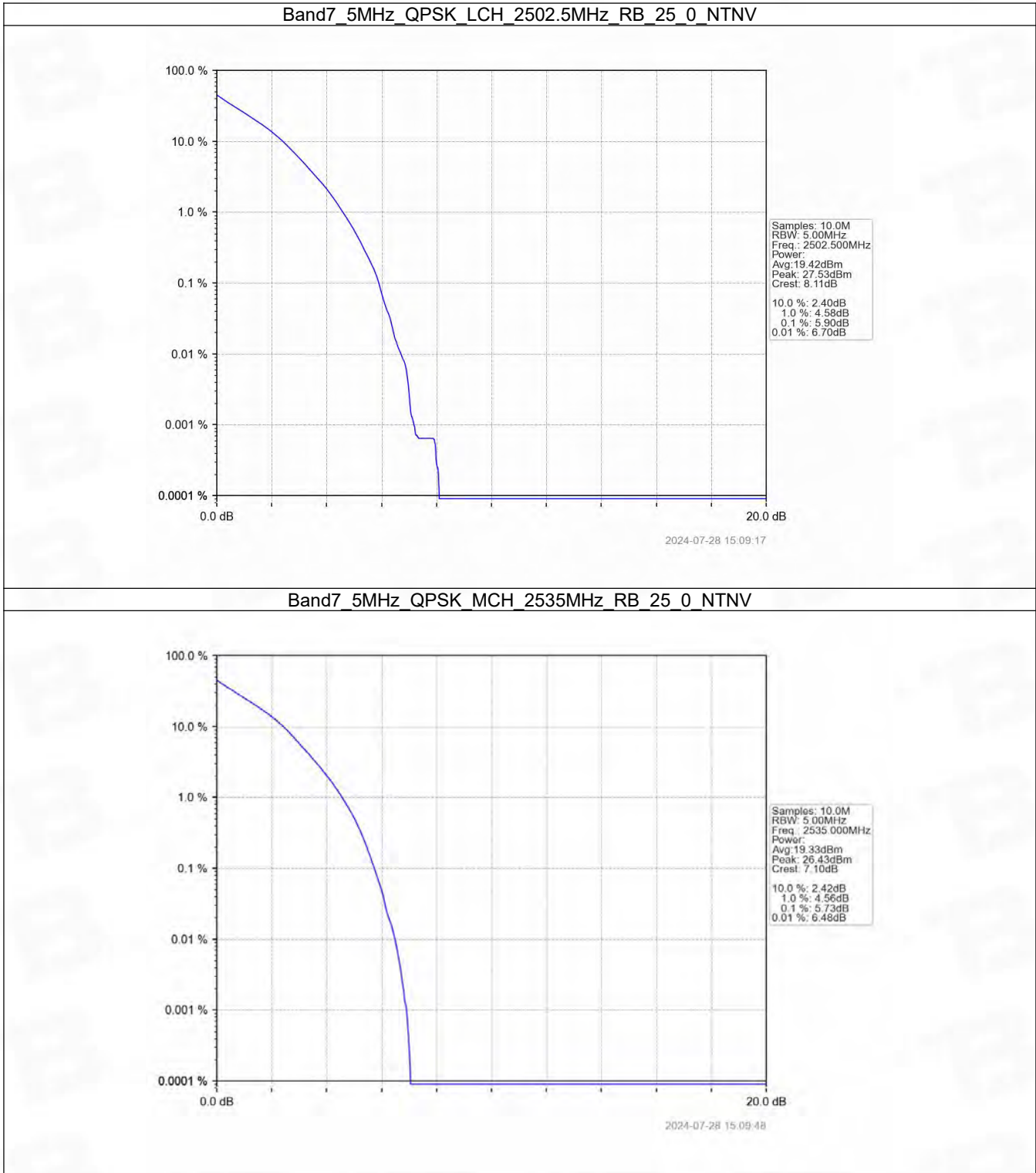
#### 5.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2510            | 100           | 0      | 5.68                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.80                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.67                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.40                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 6.51                    | <=13  | Pass    |

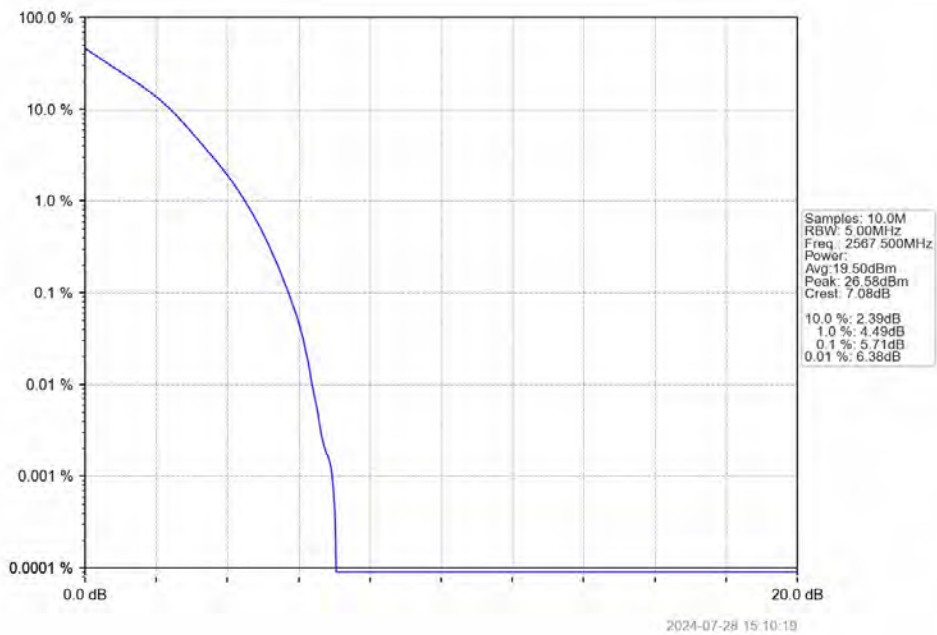
|  |      |     |   |      |      |      |
|--|------|-----|---|------|------|------|
|  | 2560 | 100 | 0 | 6.49 | <=13 | Pass |
|--|------|-----|---|------|------|------|

5.2 Test Graph

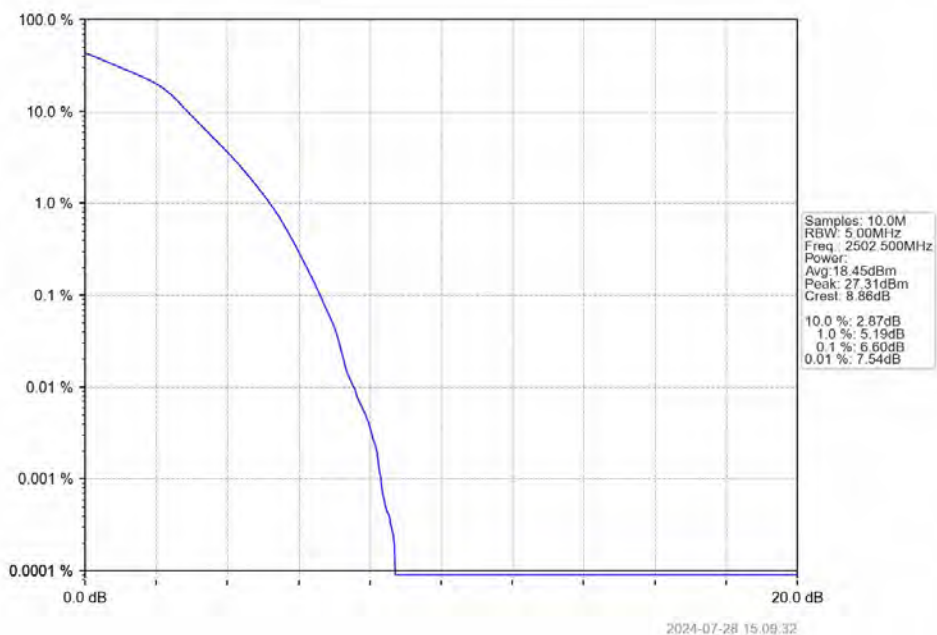
5.2.1 B7\_5MHz



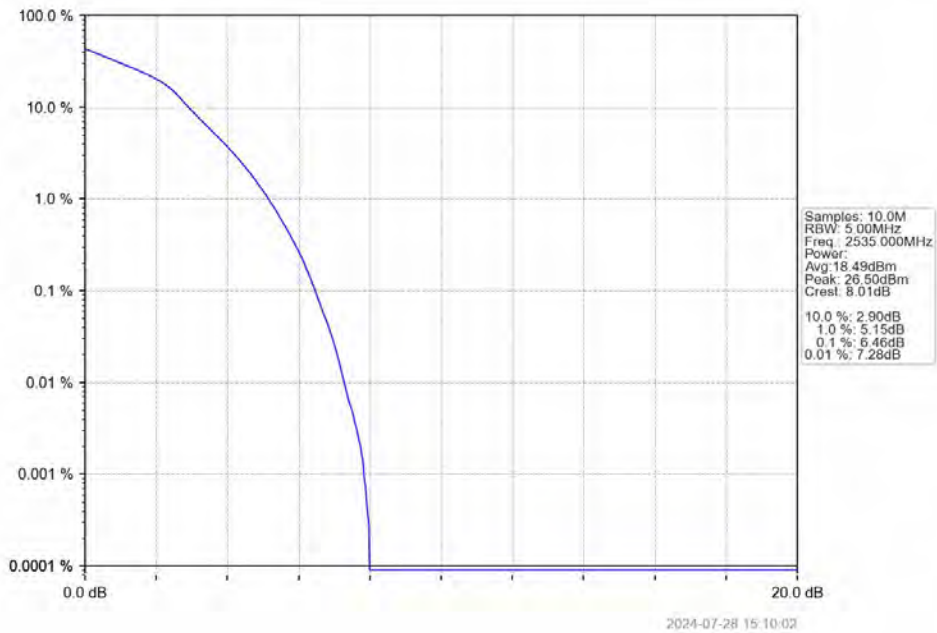
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



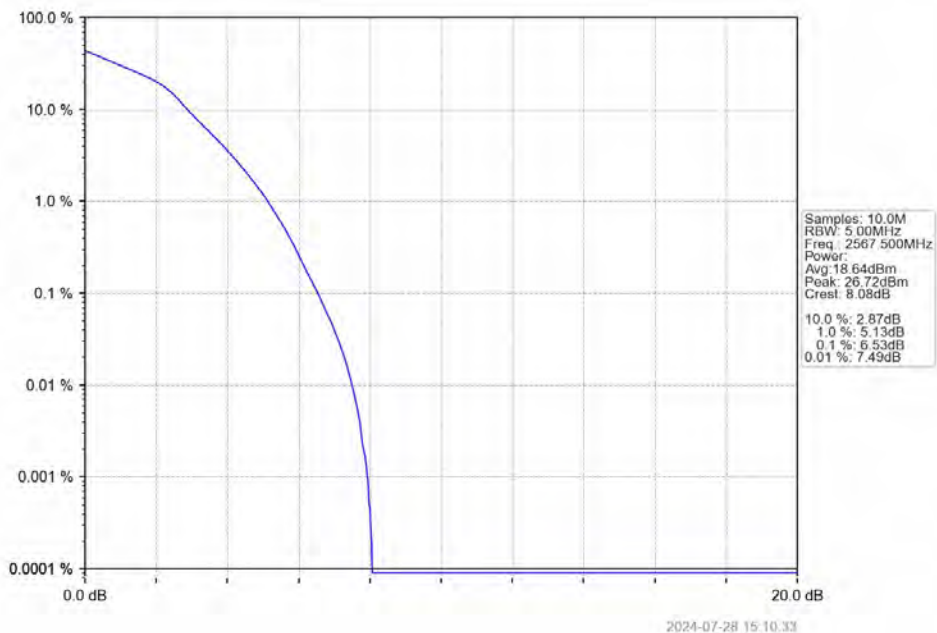
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



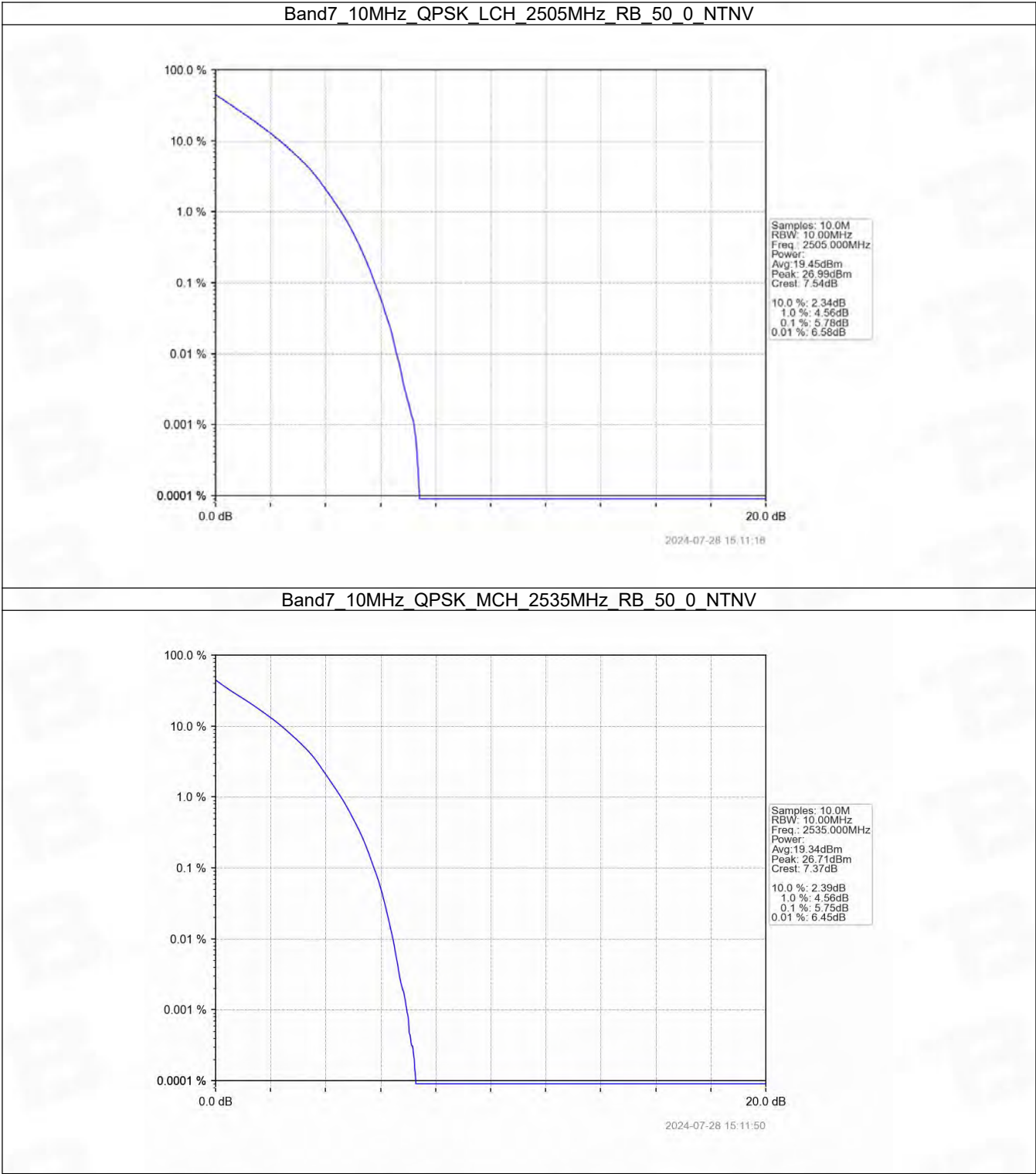
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



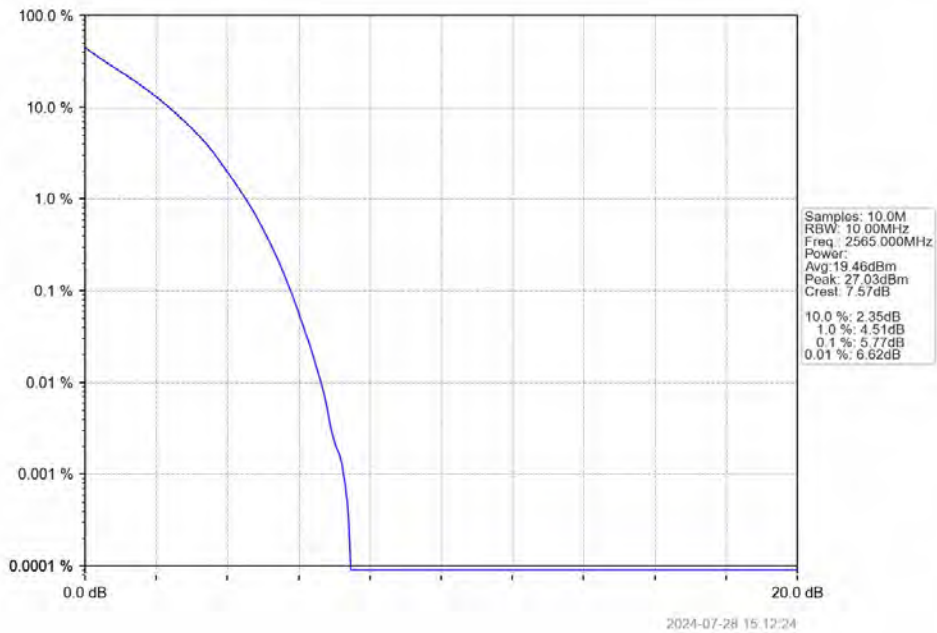
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



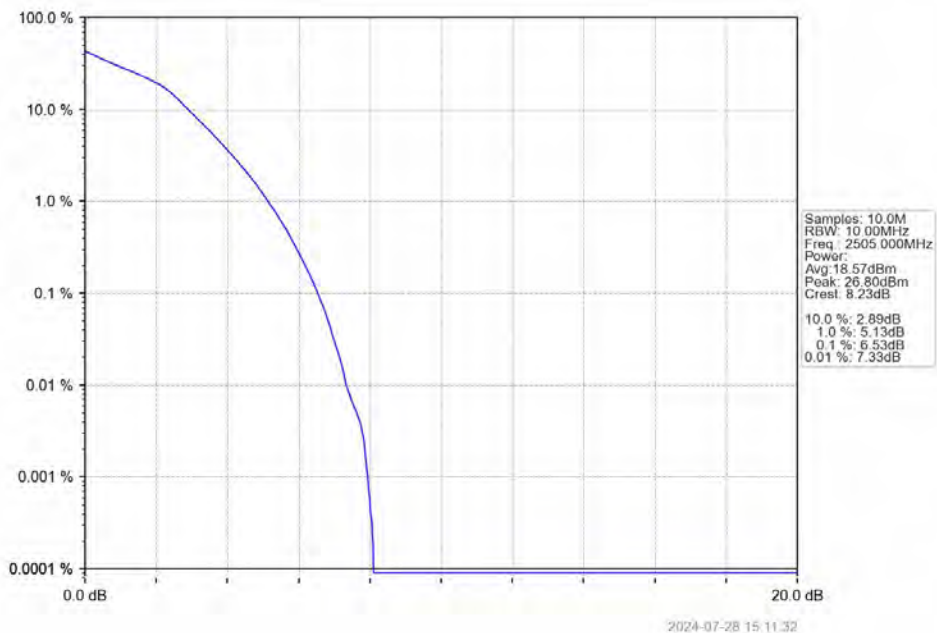
5.2.2 B7\_10MHz



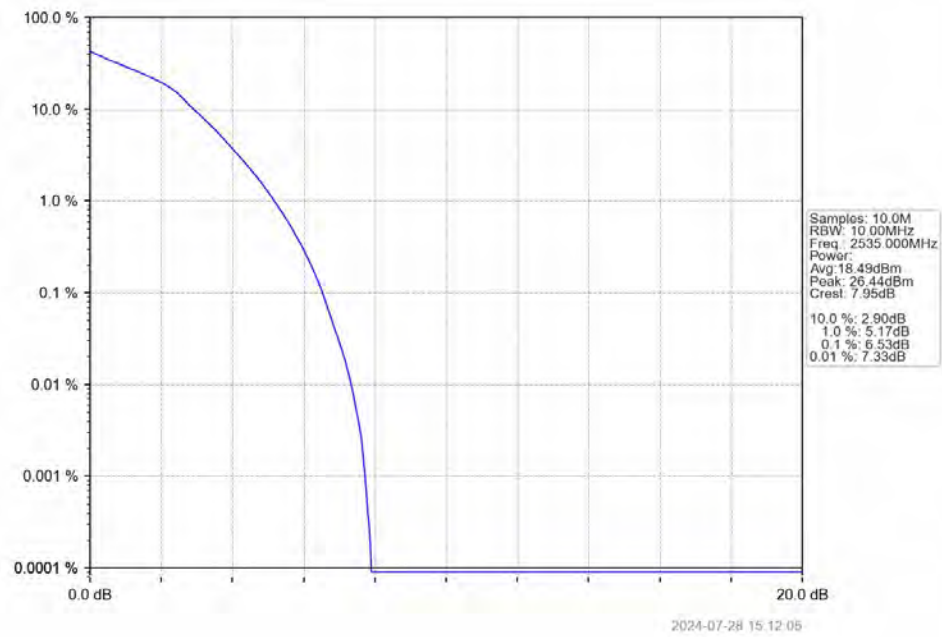
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



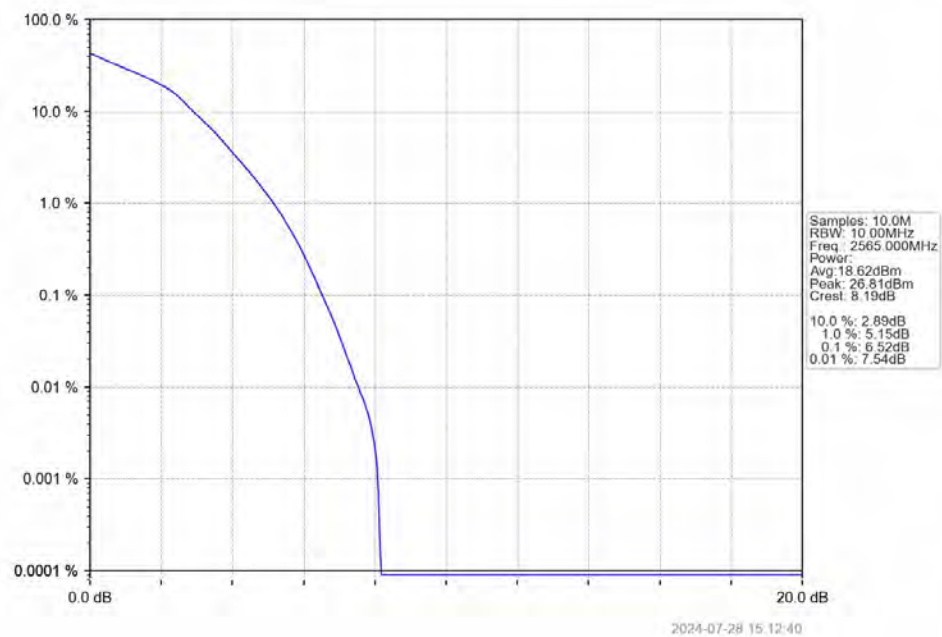
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



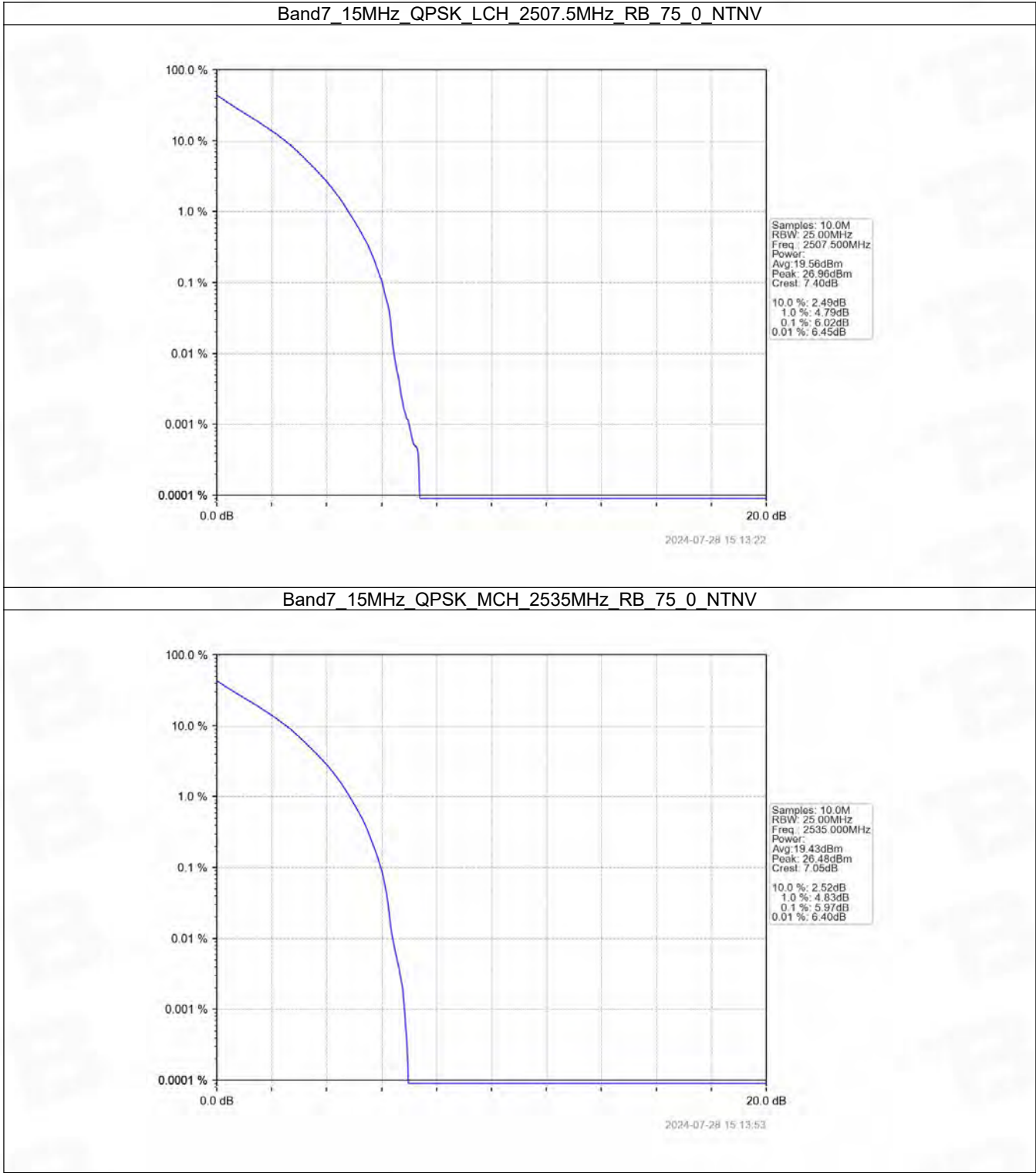
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



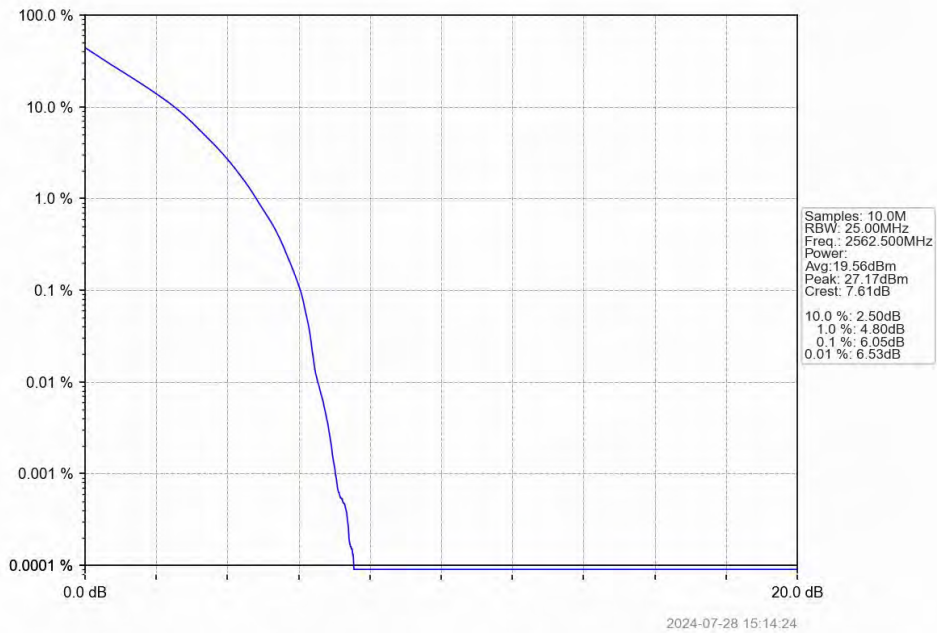
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



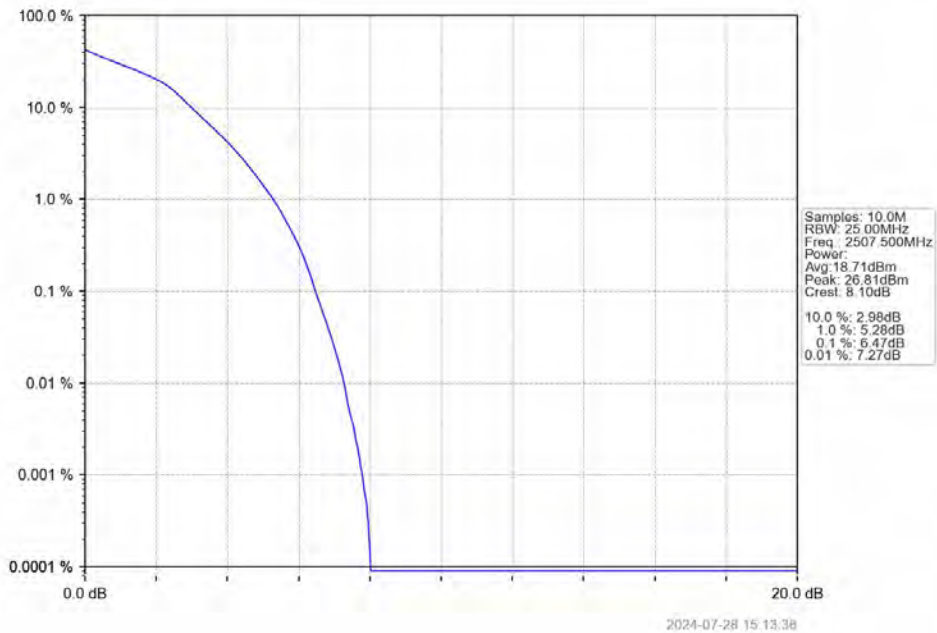
5.2.3 B7\_15MHz



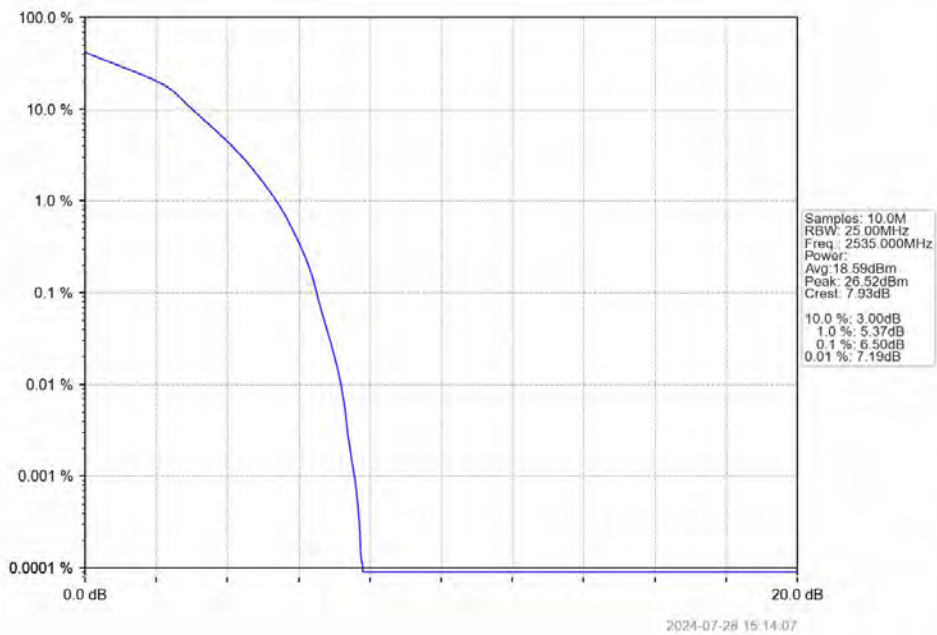
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



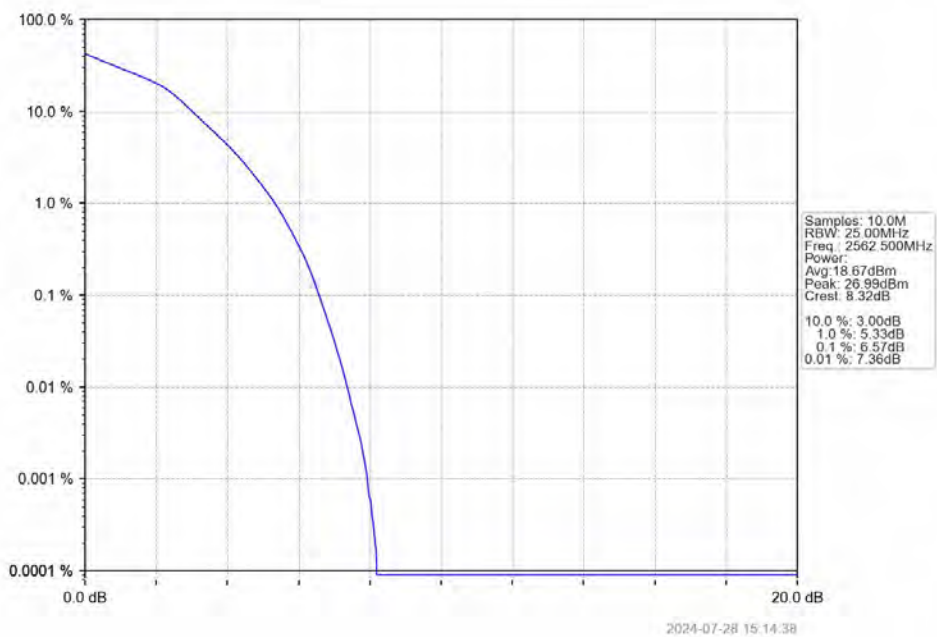
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



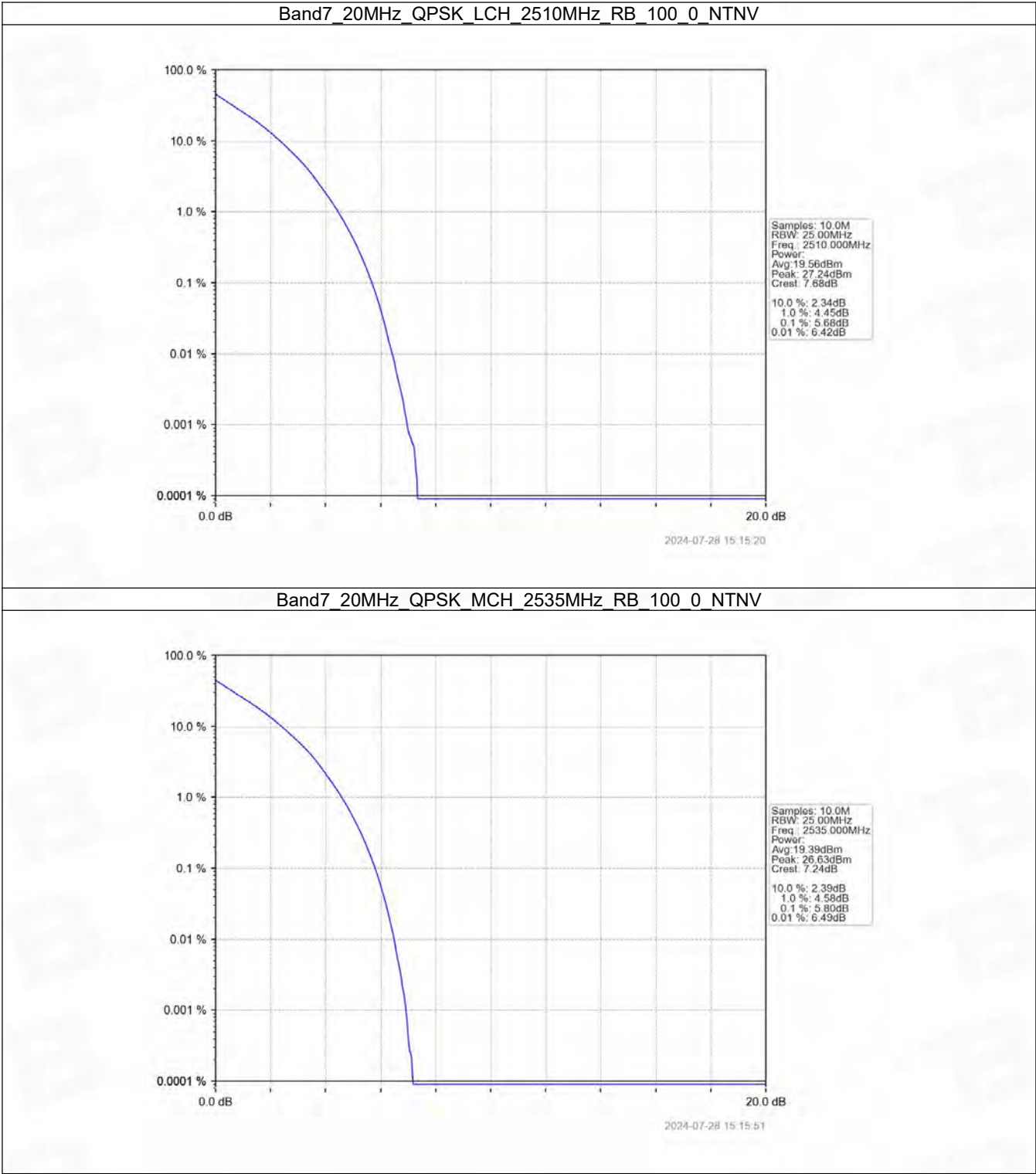
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



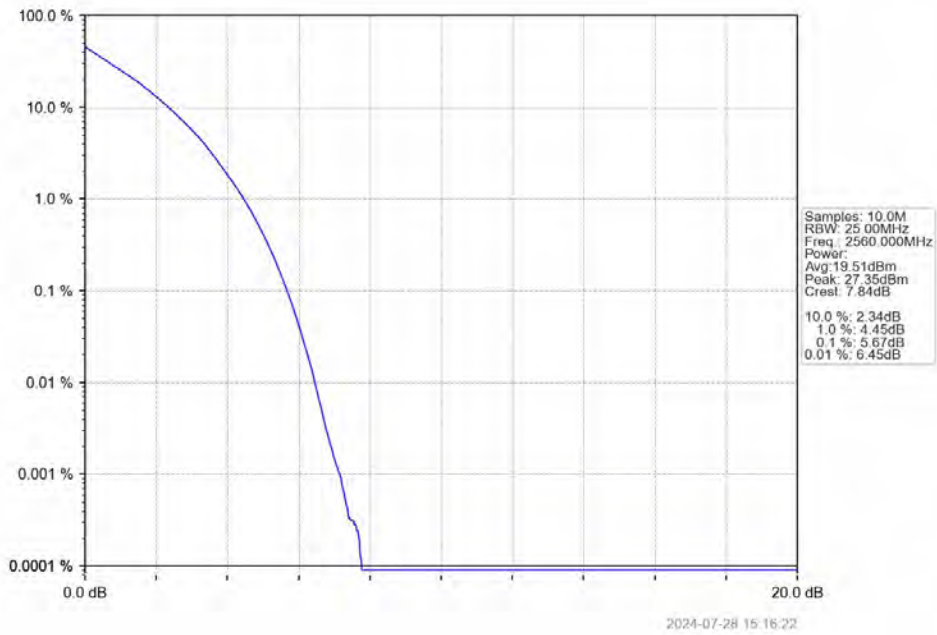
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



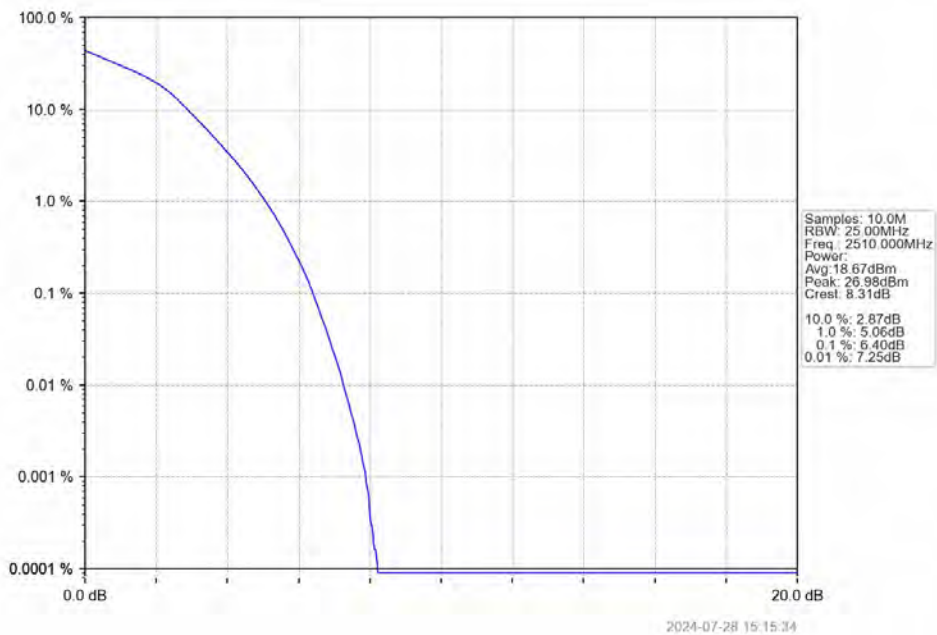
### 5.2.4 B7\_20MHz



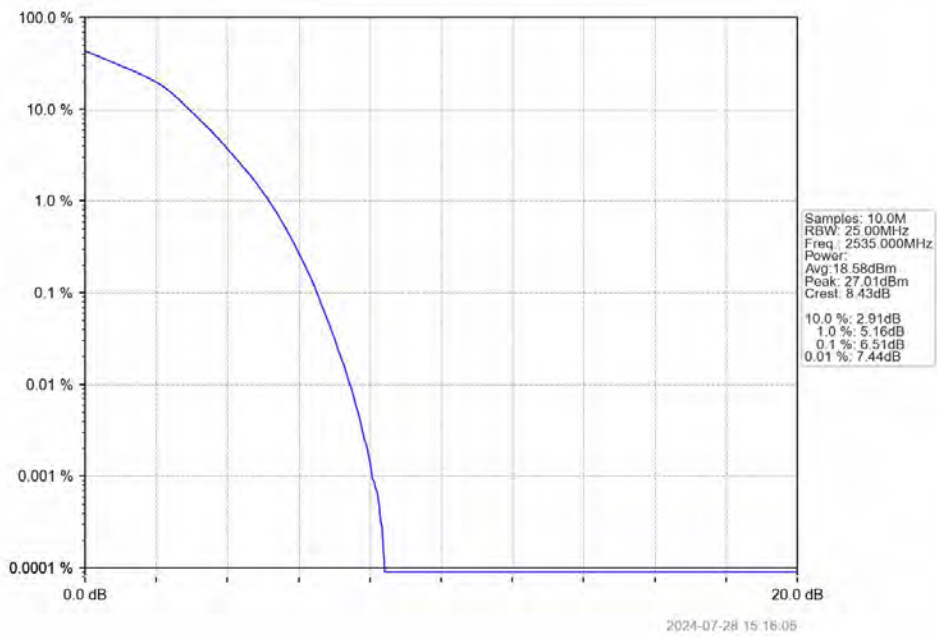
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



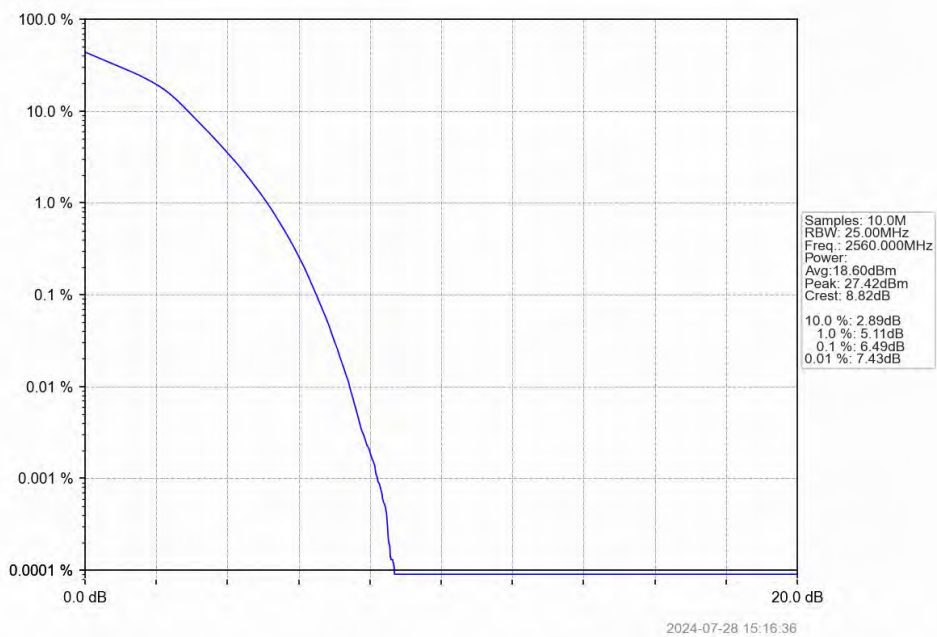
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 2502.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2505            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2505            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2507.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2507.5          | 1             | 0      | Refer To Test Graph |       | Pass    |

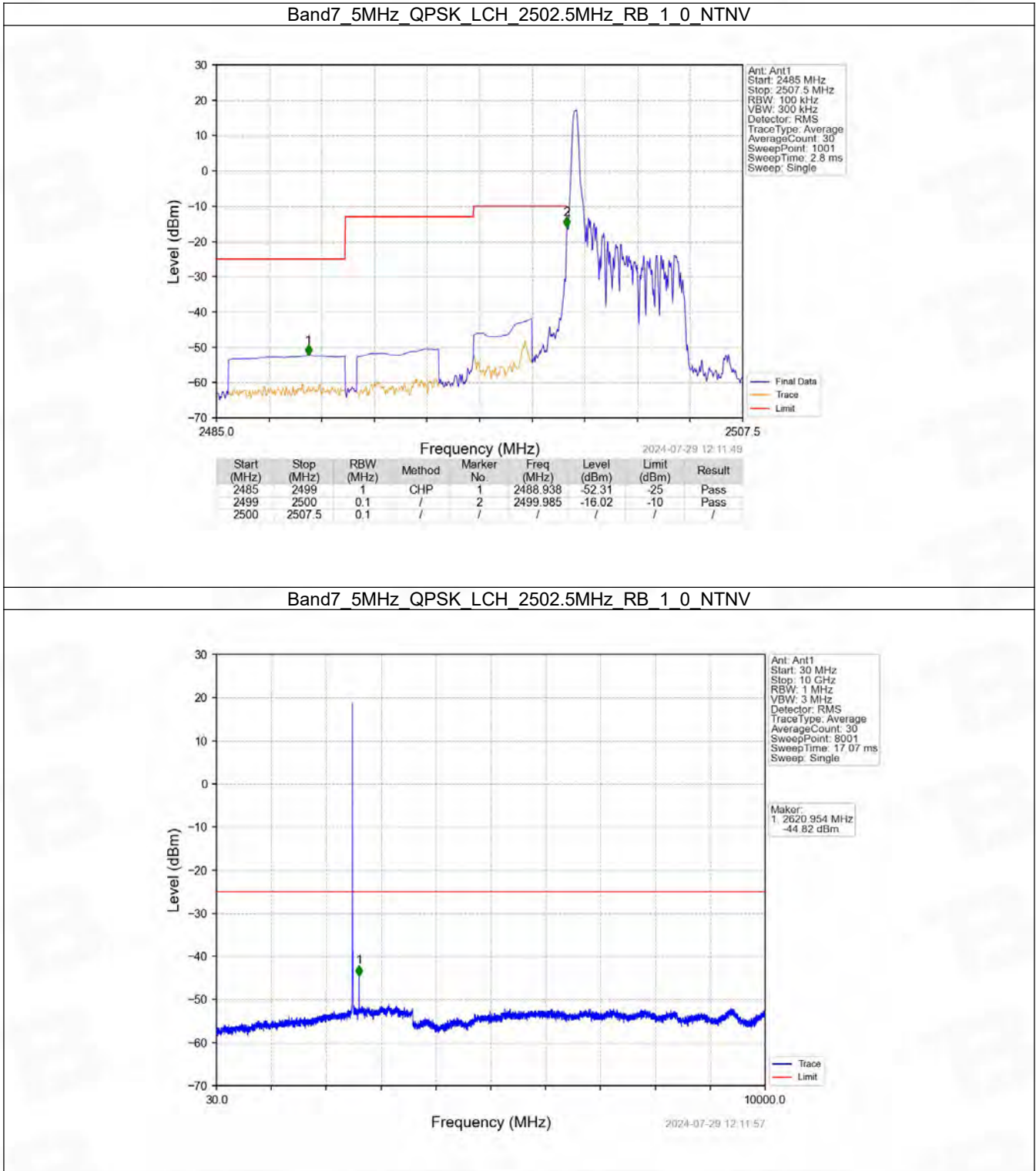
|  |        |    |    |                     |      |
|--|--------|----|----|---------------------|------|
|  |        | 75 | 0  | Refer To Test Graph | Pass |
|  | 2535   | 1  | 0  | Refer To Test Graph | Pass |
|  | 2562.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |        |    | 74 | Refer To Test Graph | Pass |
|  |        | 75 | 0  | Refer To Test Graph | Pass |

6.1.4 B7\_20MHz

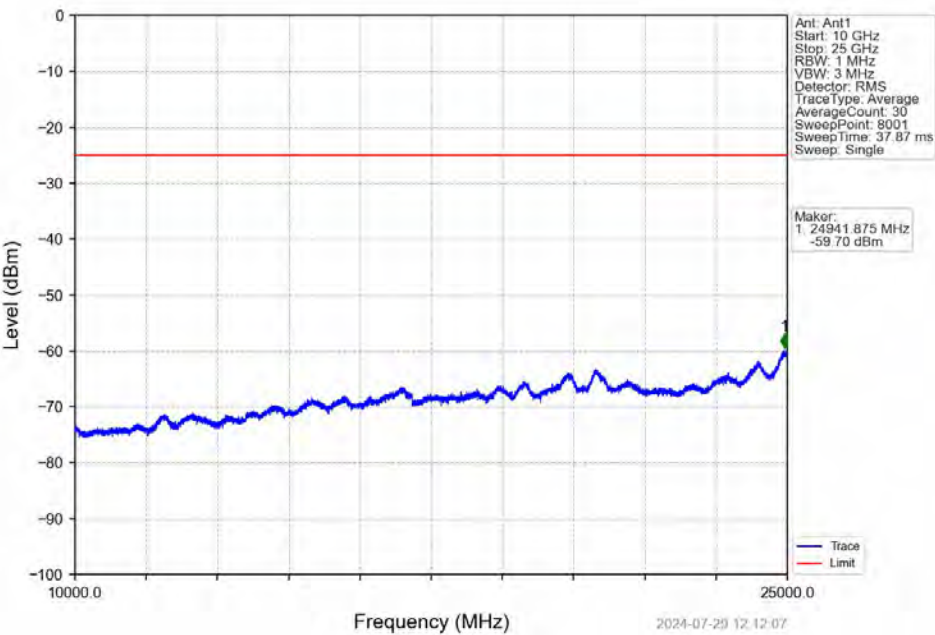
| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 2510            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 2510            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                  |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

6.2 Test Graph

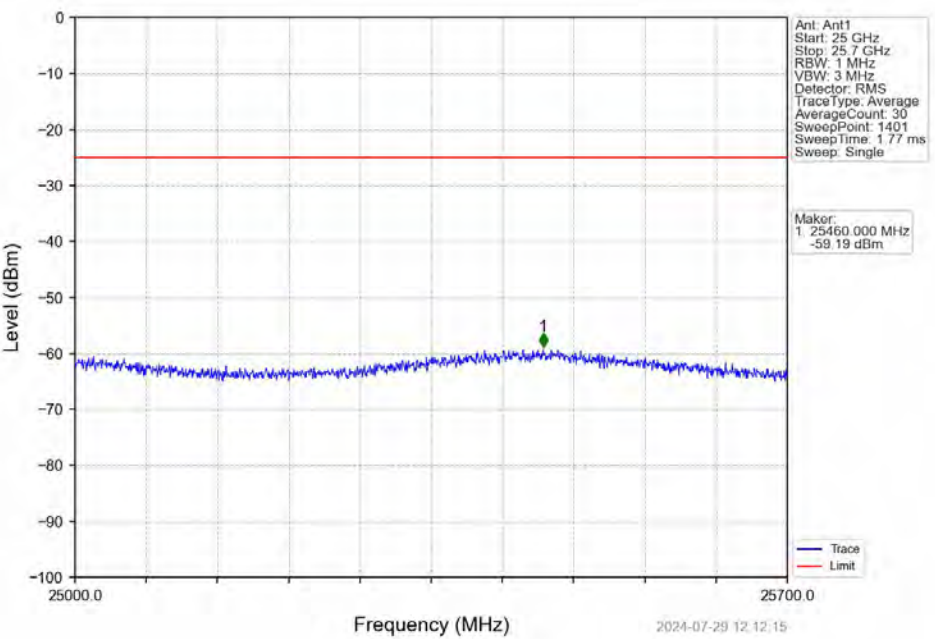
6.2.1 B7\_5MHz



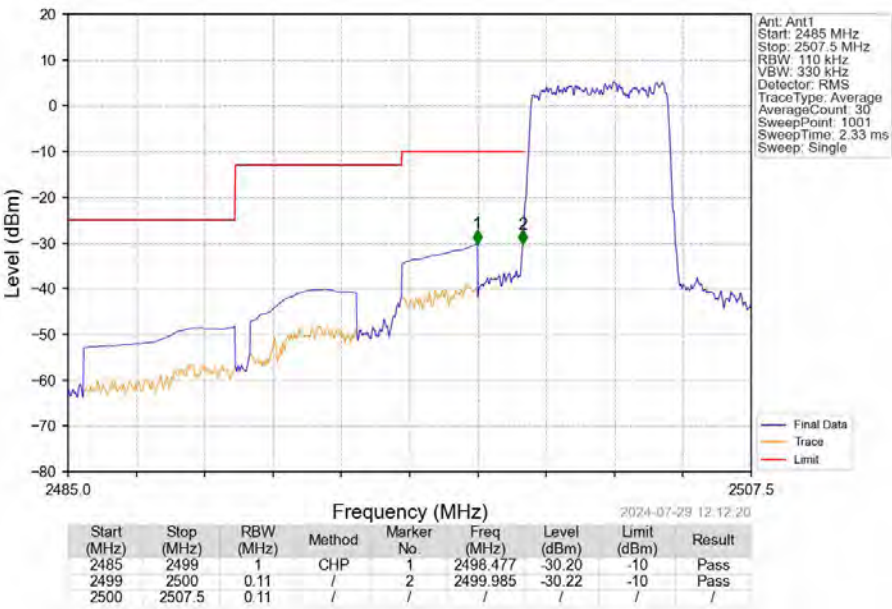
Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



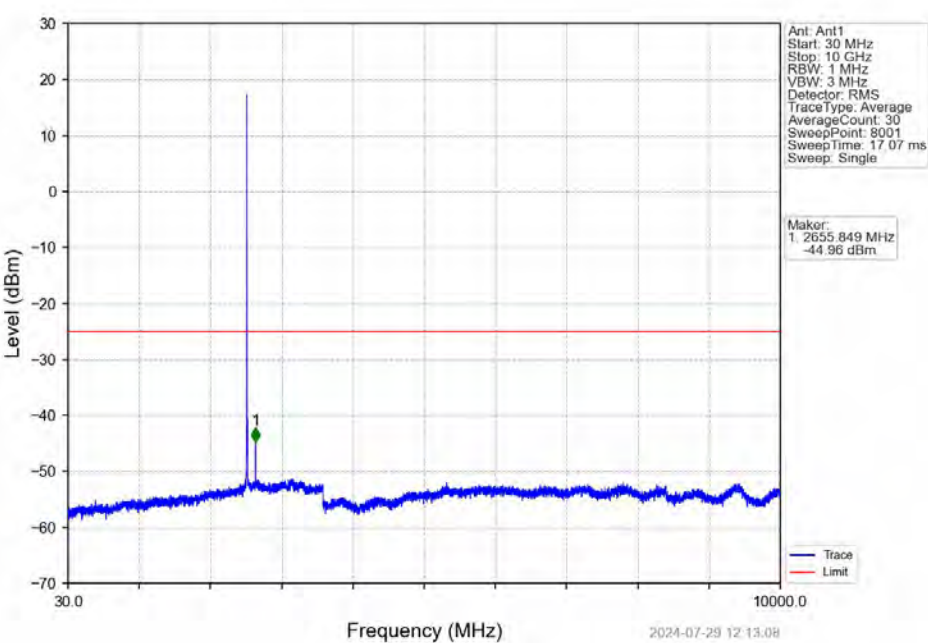
Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



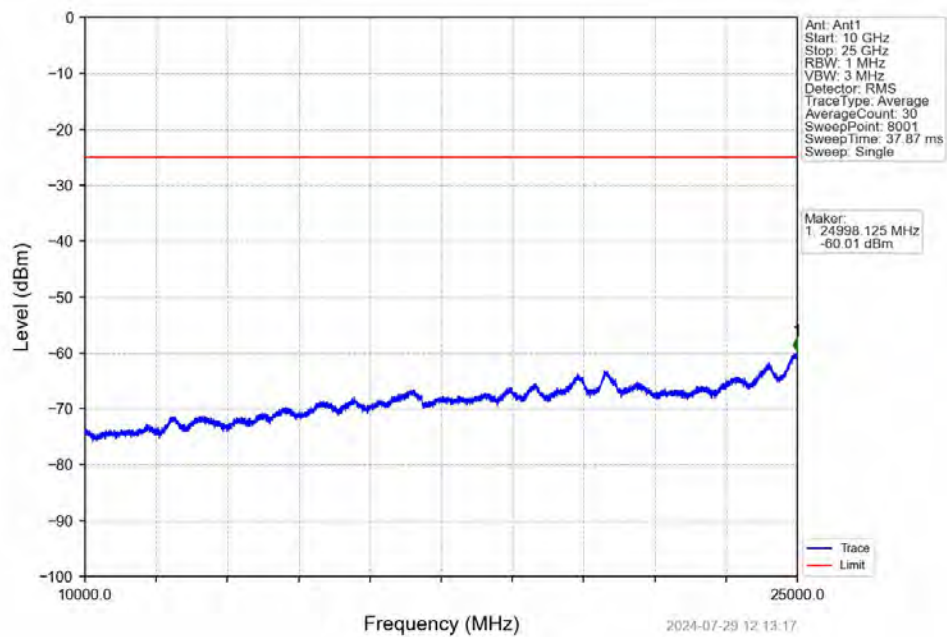
Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



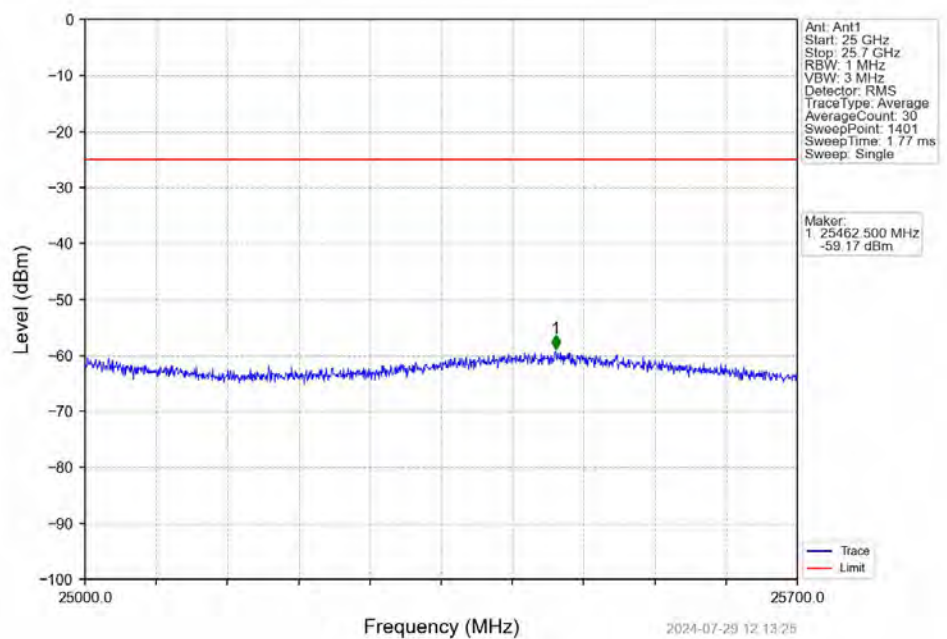
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



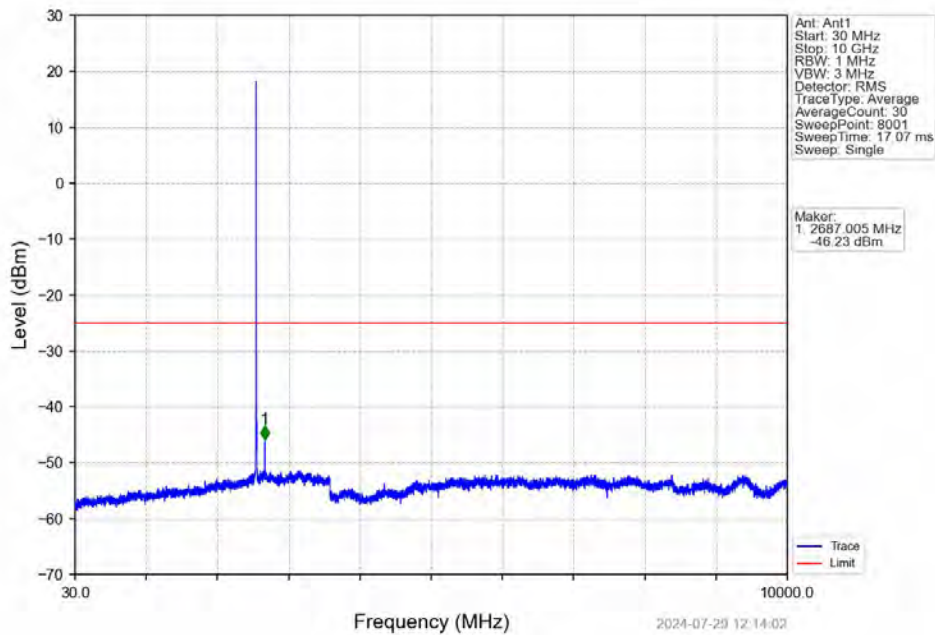
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



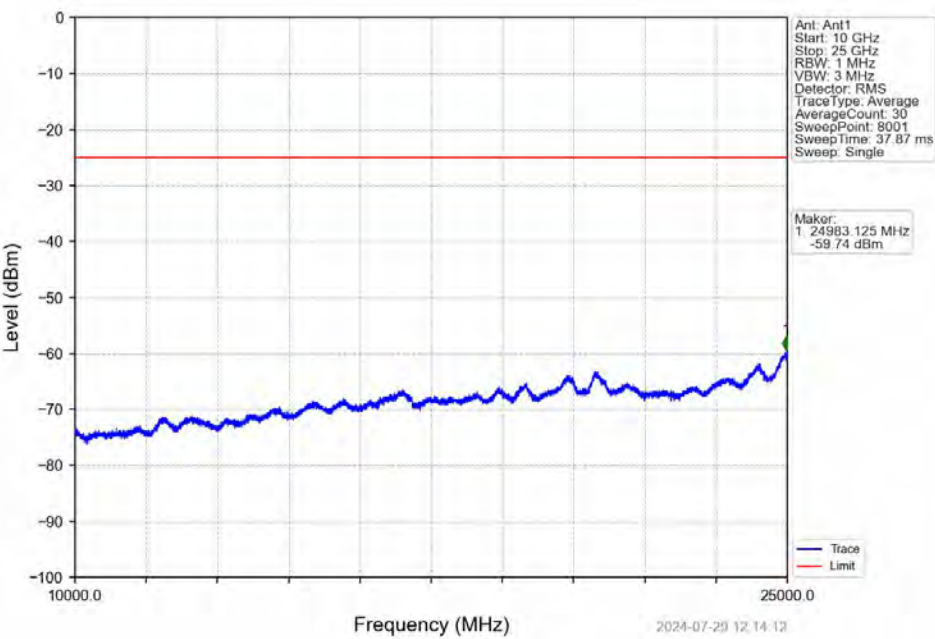
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



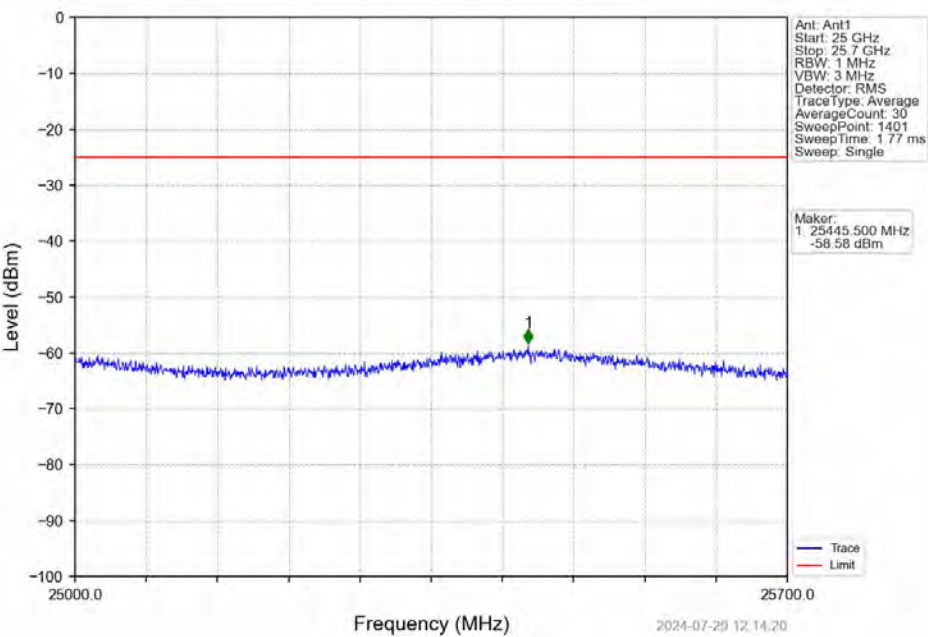
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



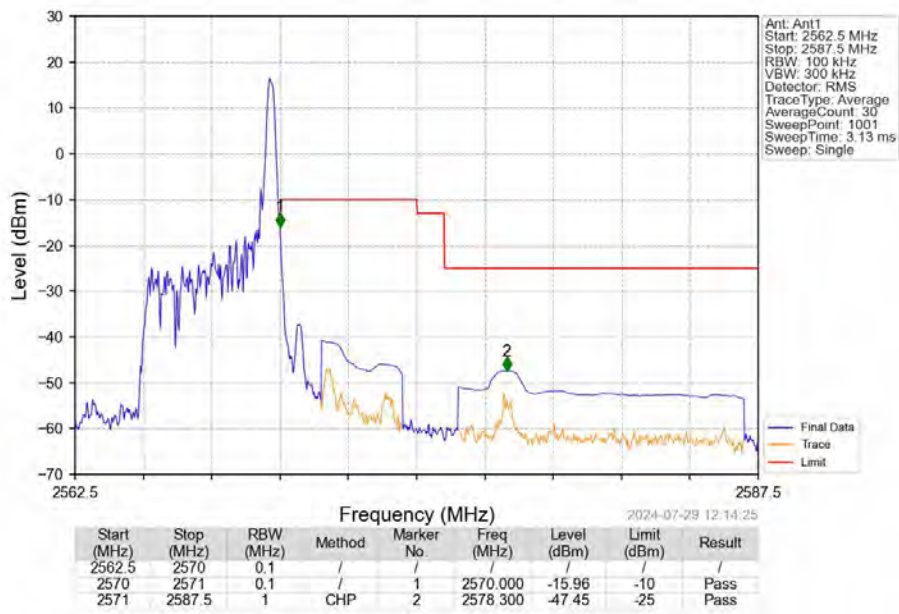
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



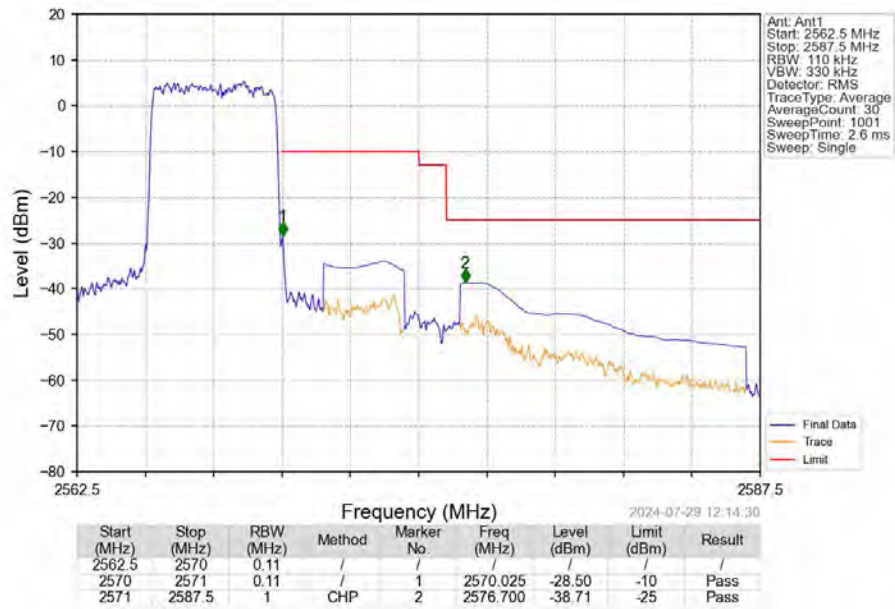
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



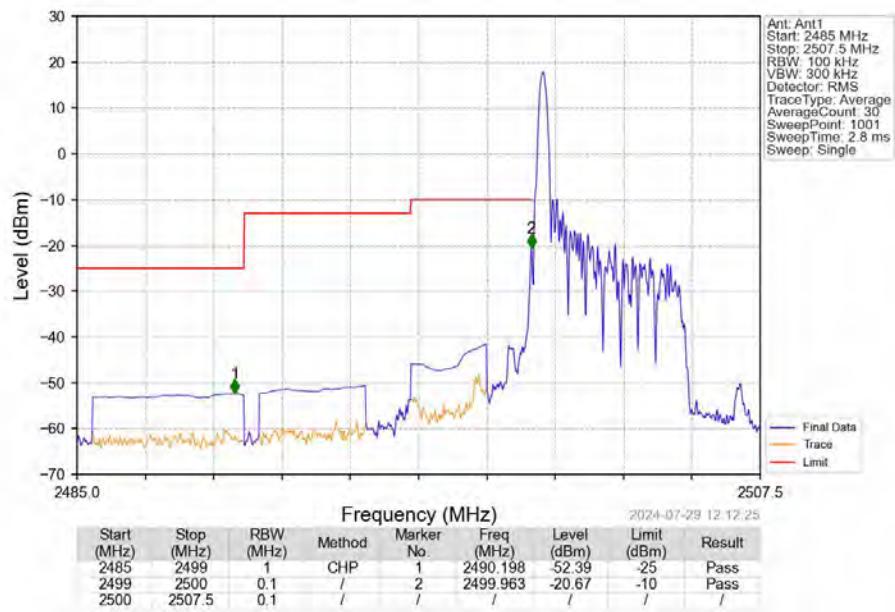
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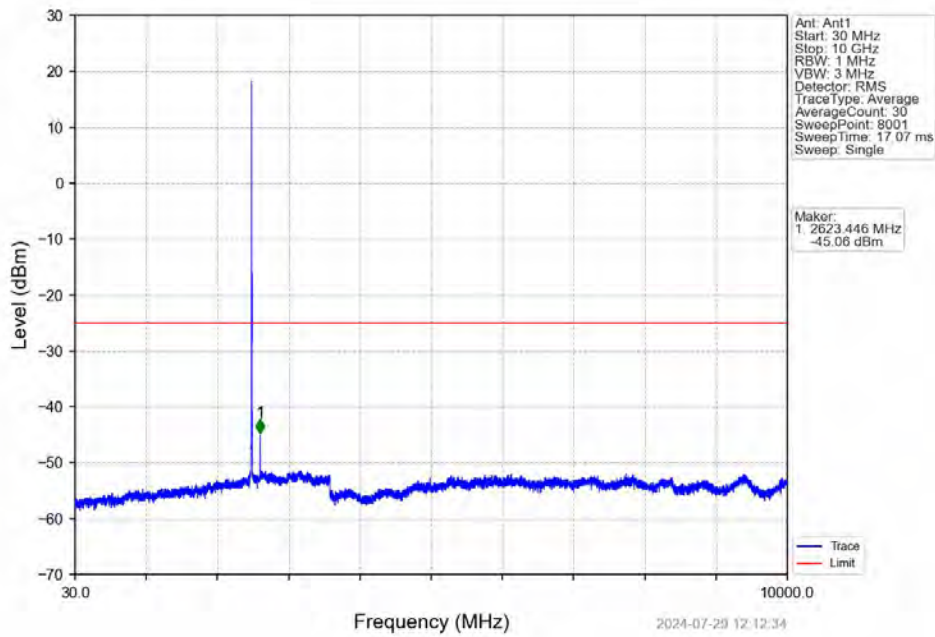
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



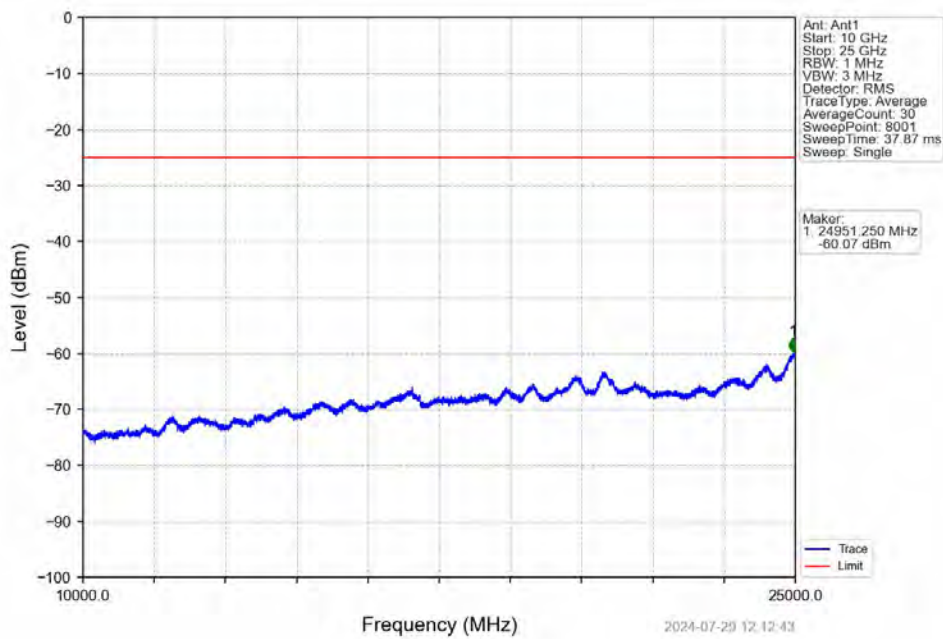
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



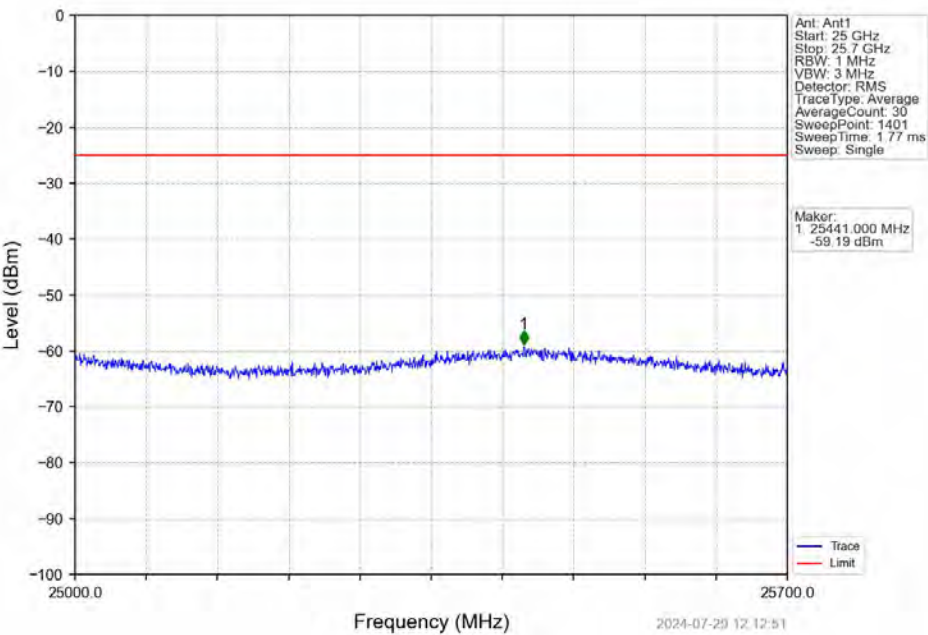
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



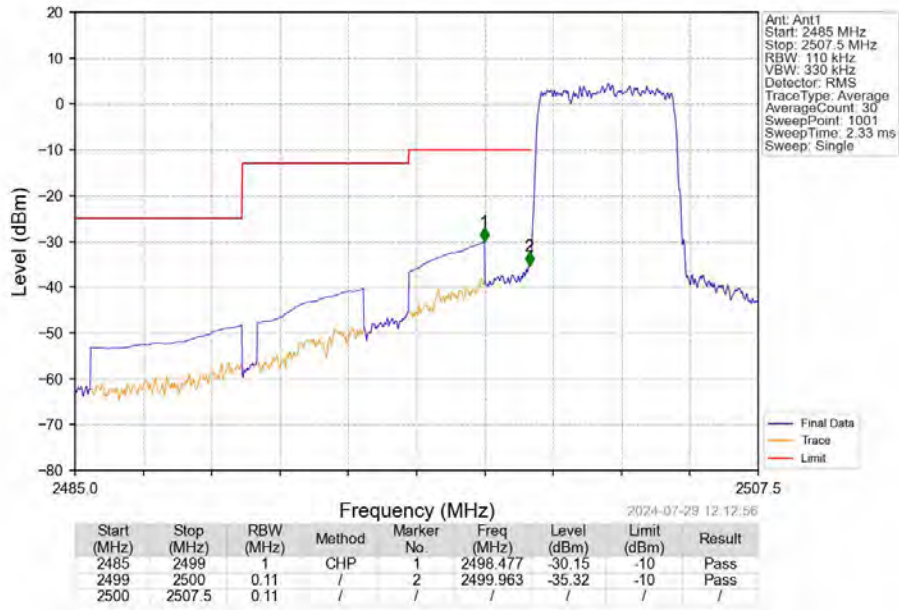
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



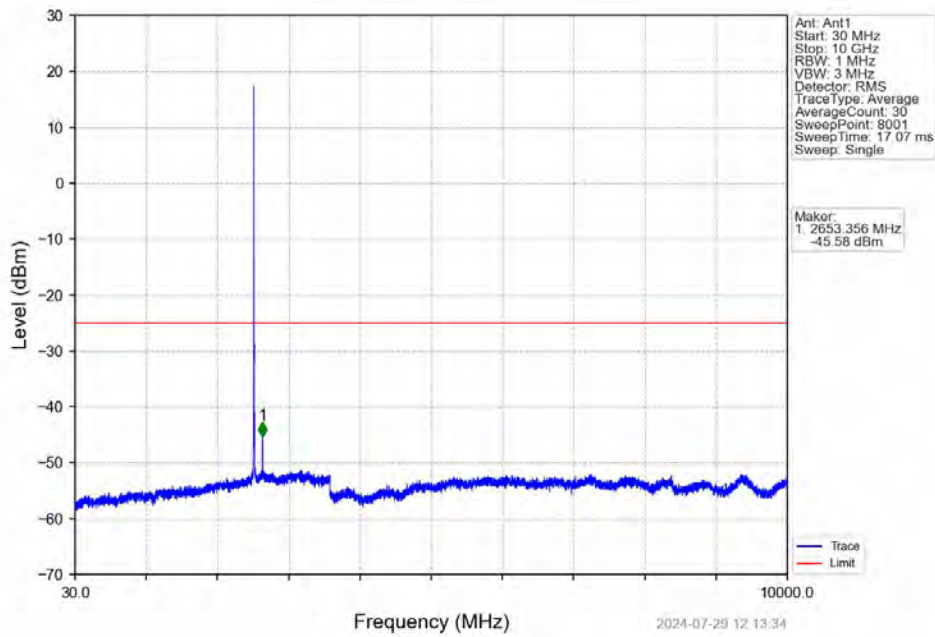
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



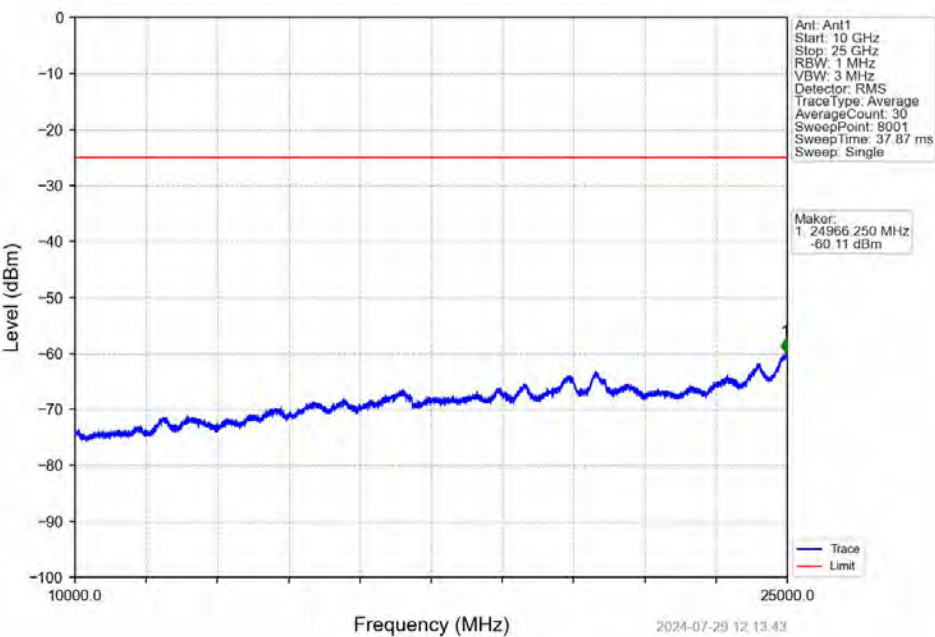
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



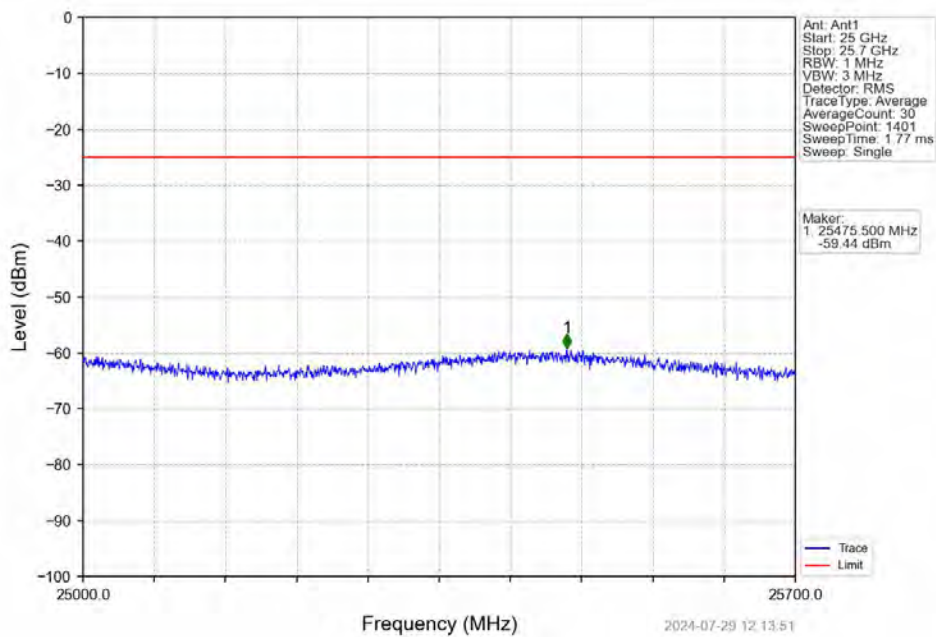
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



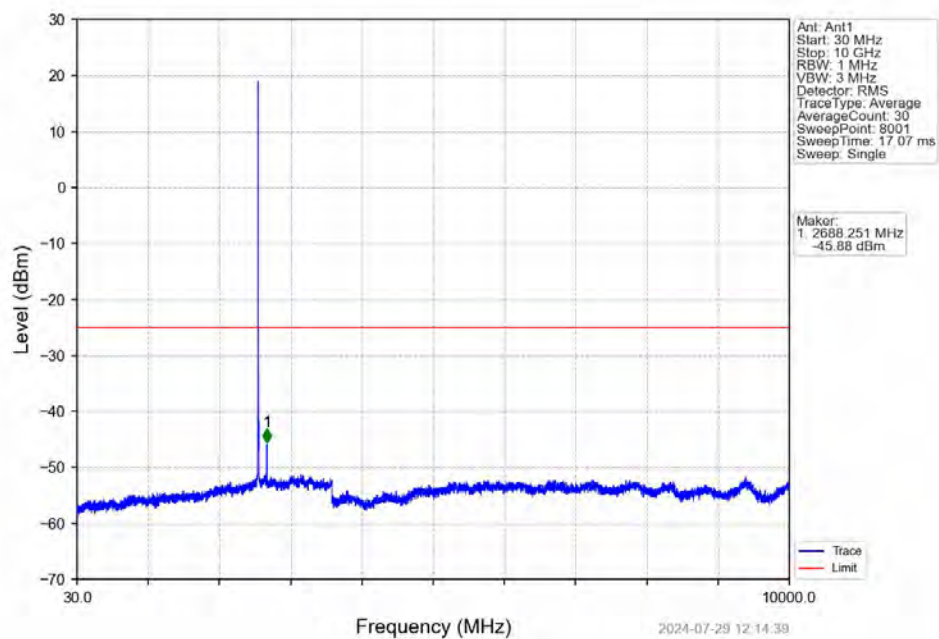
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



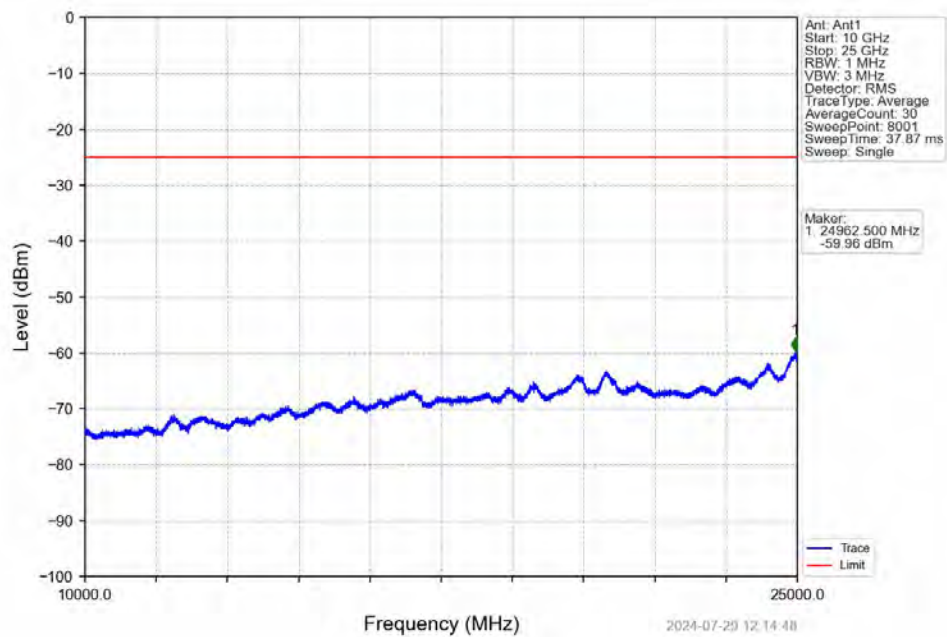
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



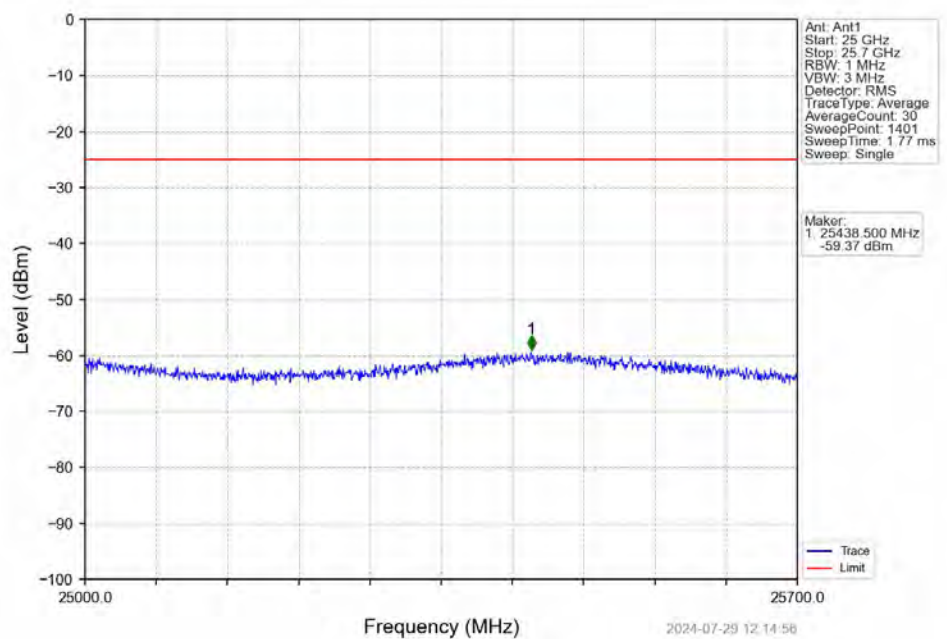
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



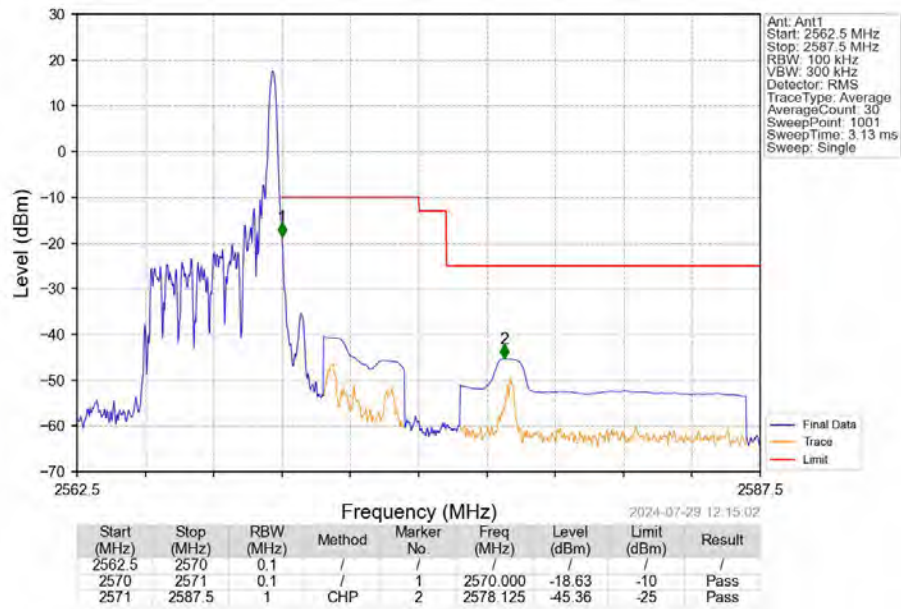
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



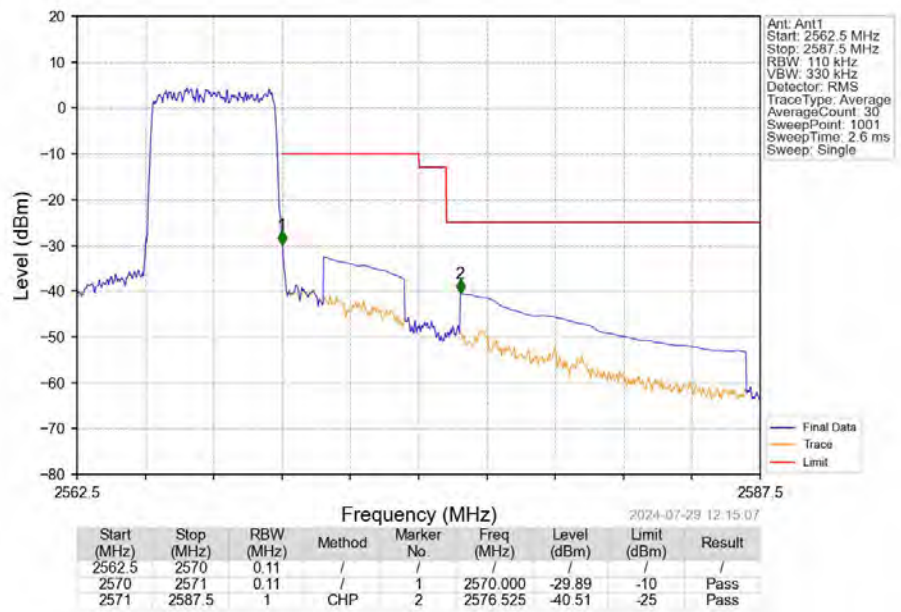
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



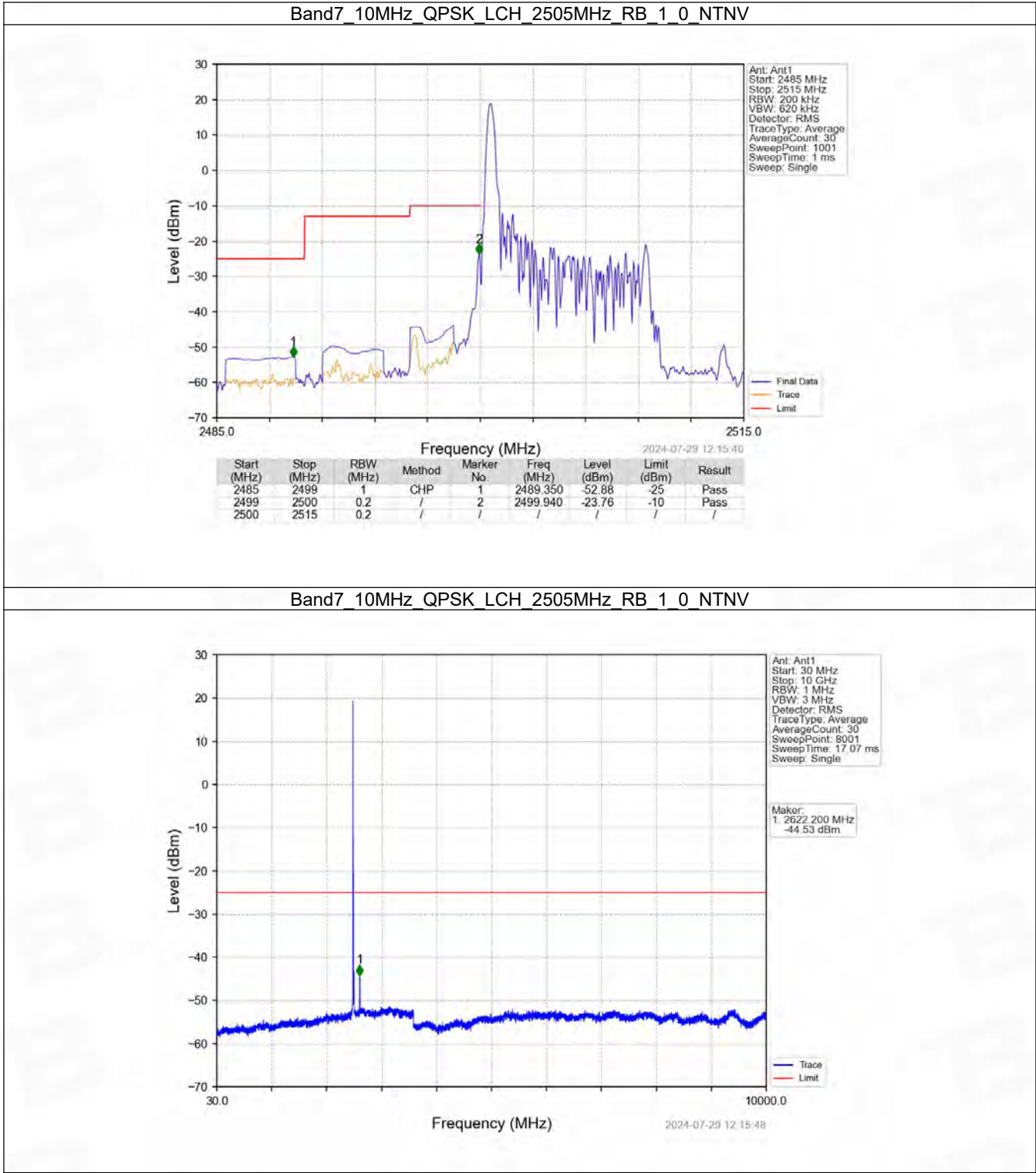
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_24\_NTNV



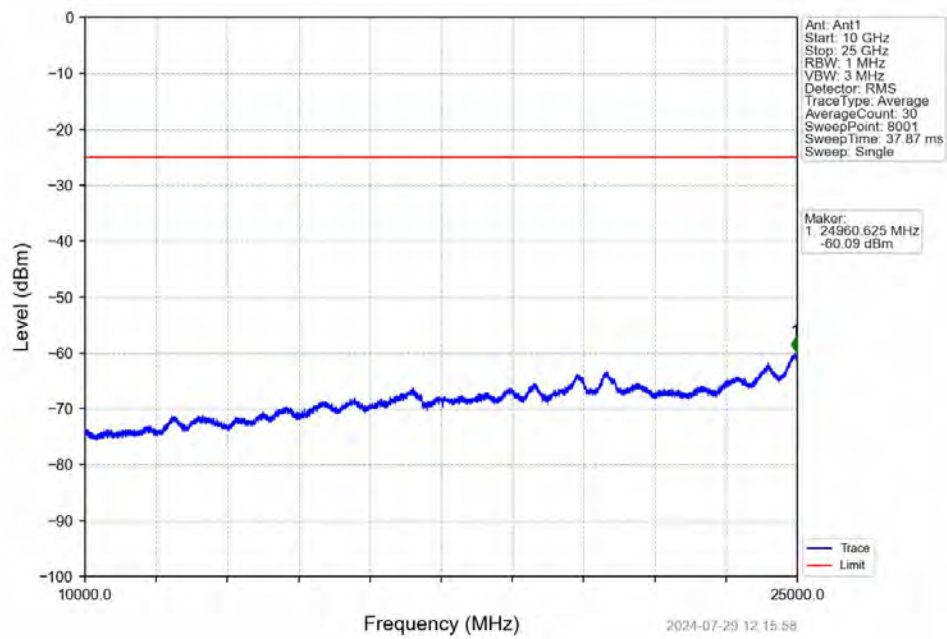
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



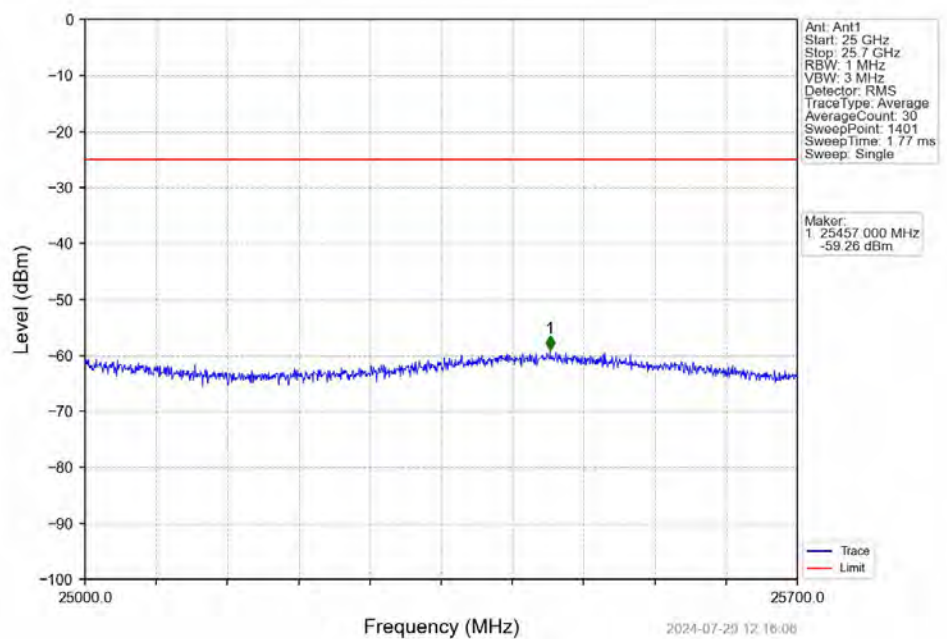
6.2.2 B7\_10MHz



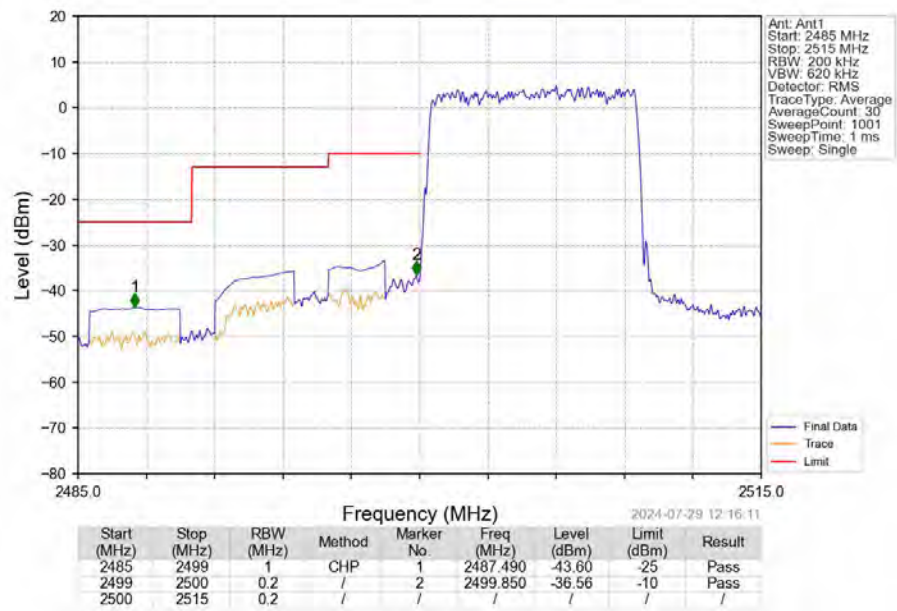
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_1\_0\_NTNV



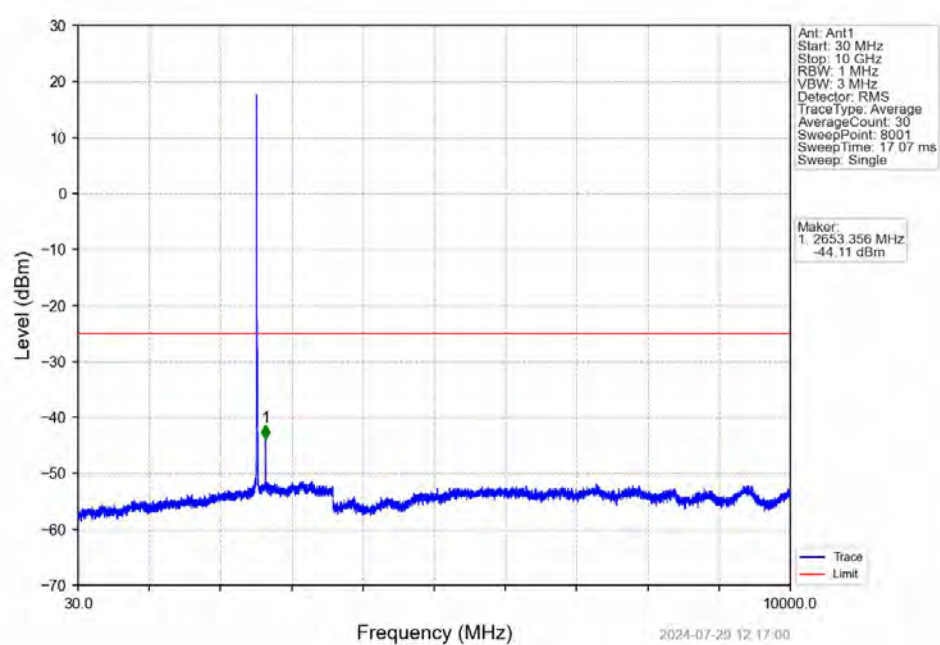
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_1\_0\_NTNV



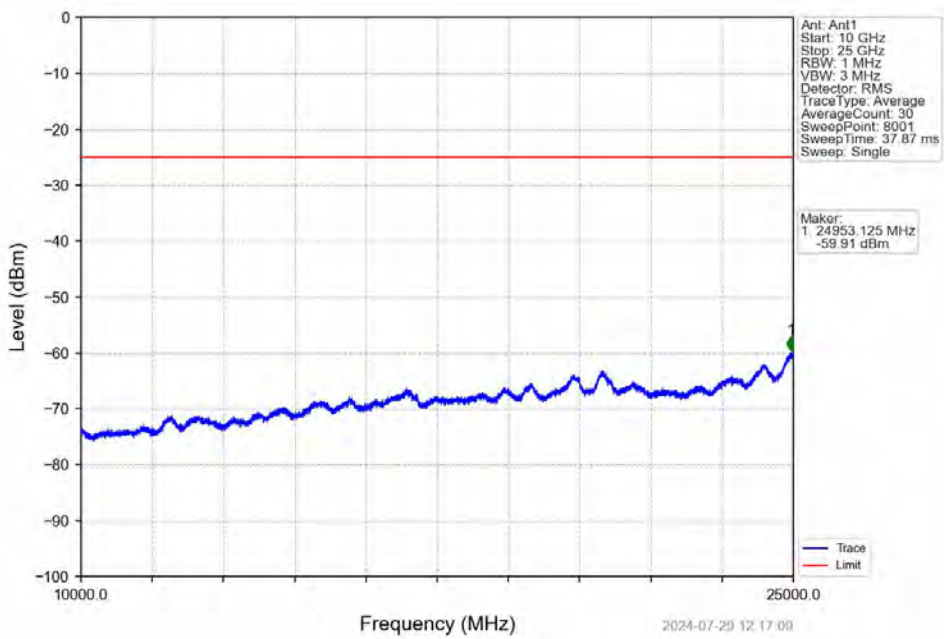
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



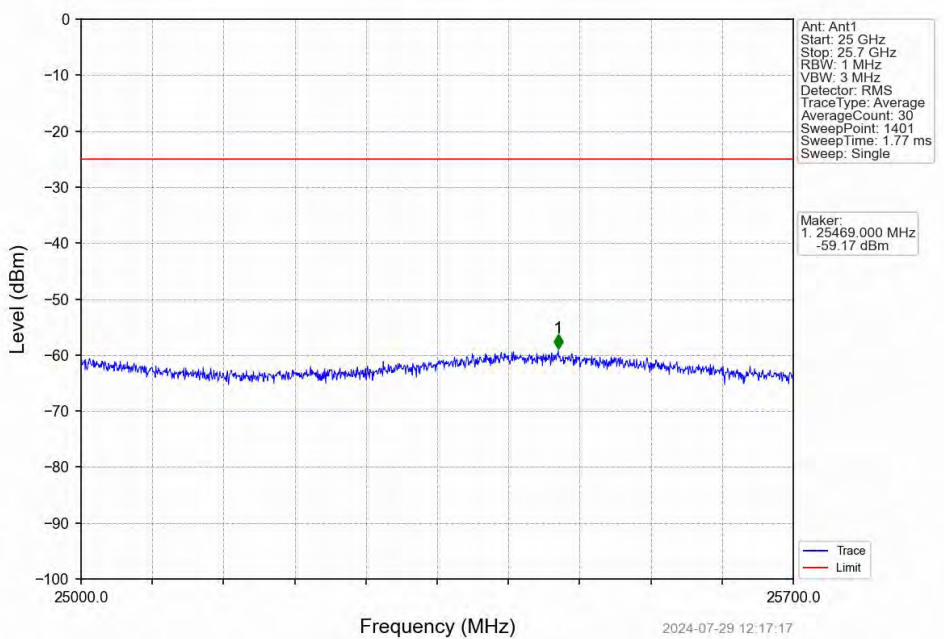
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



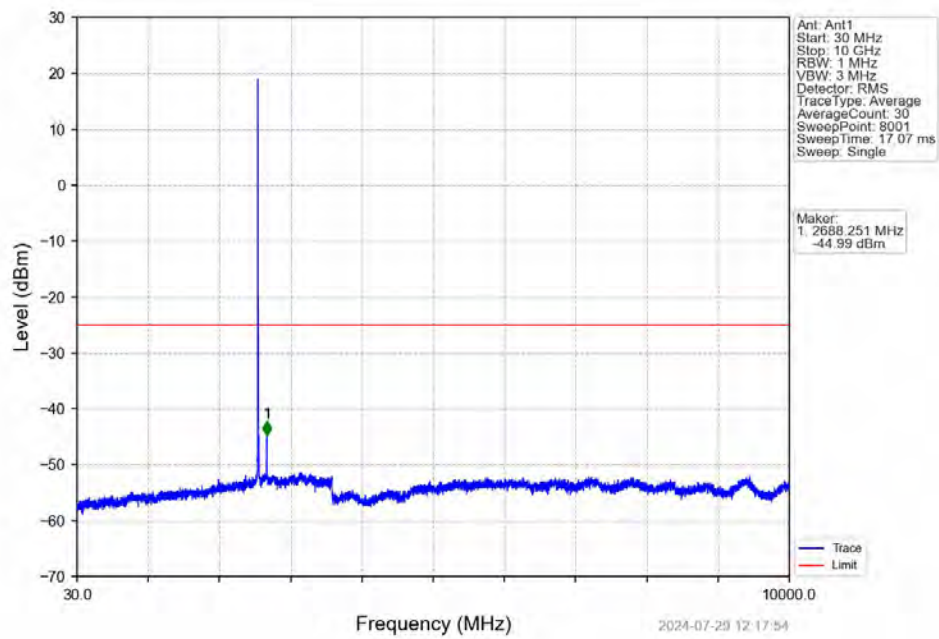
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



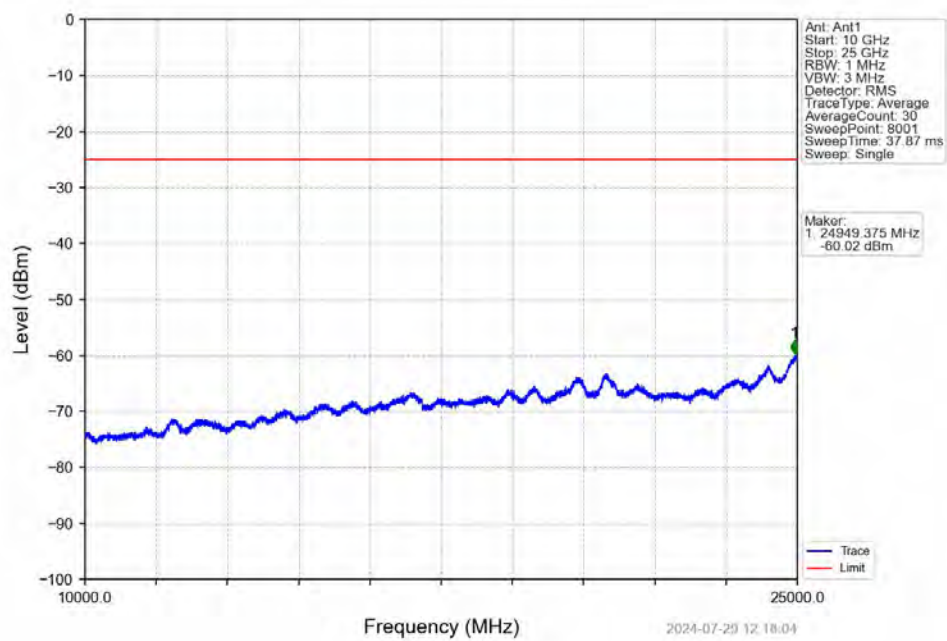
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



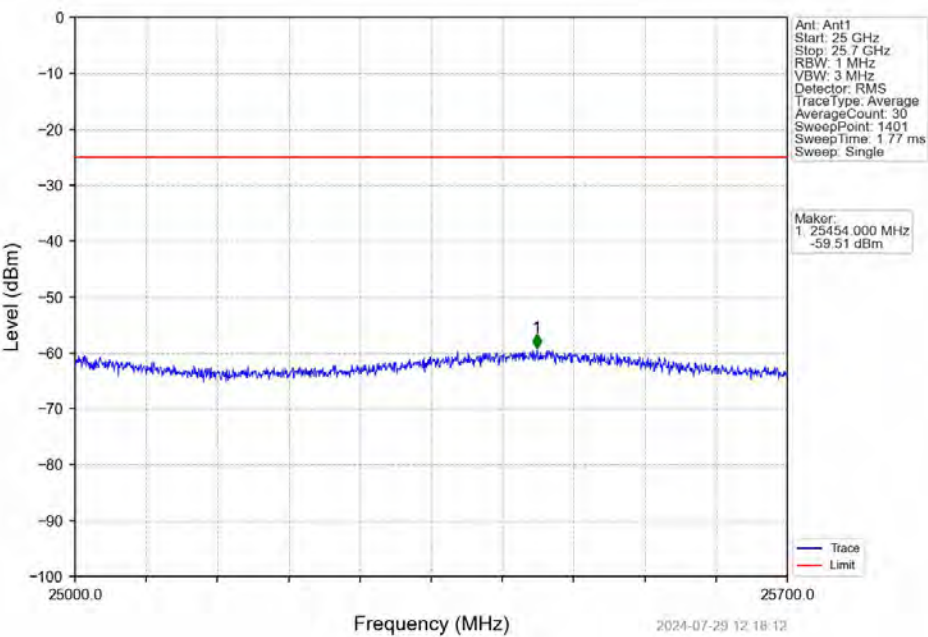
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



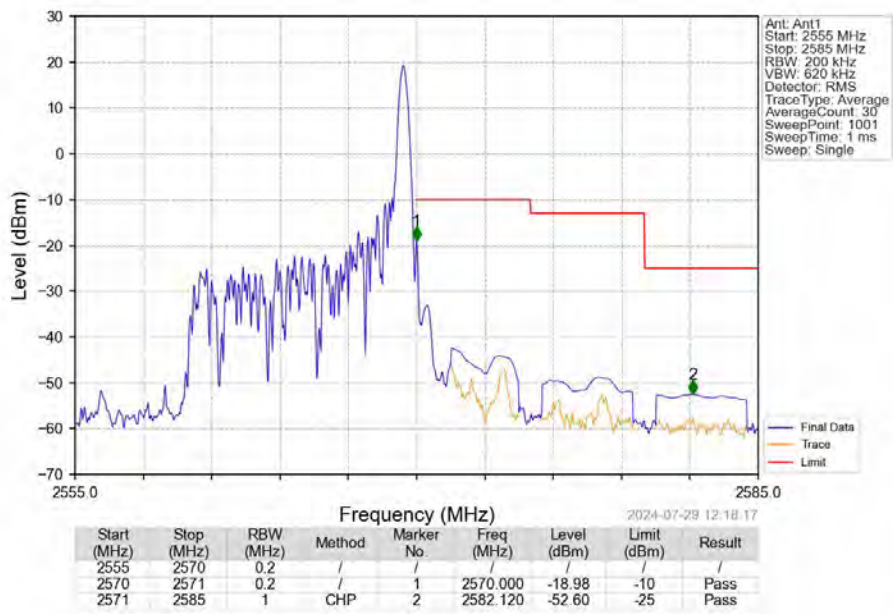
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



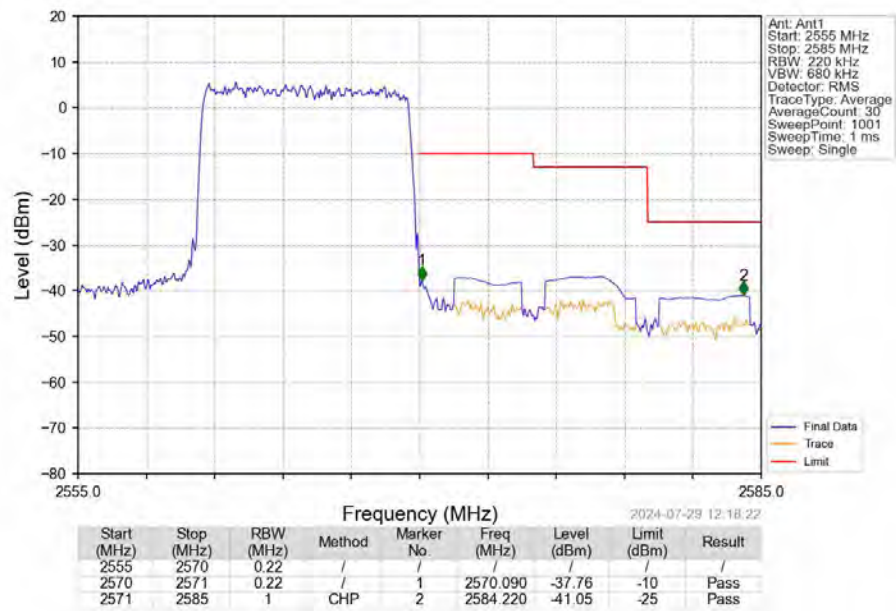
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



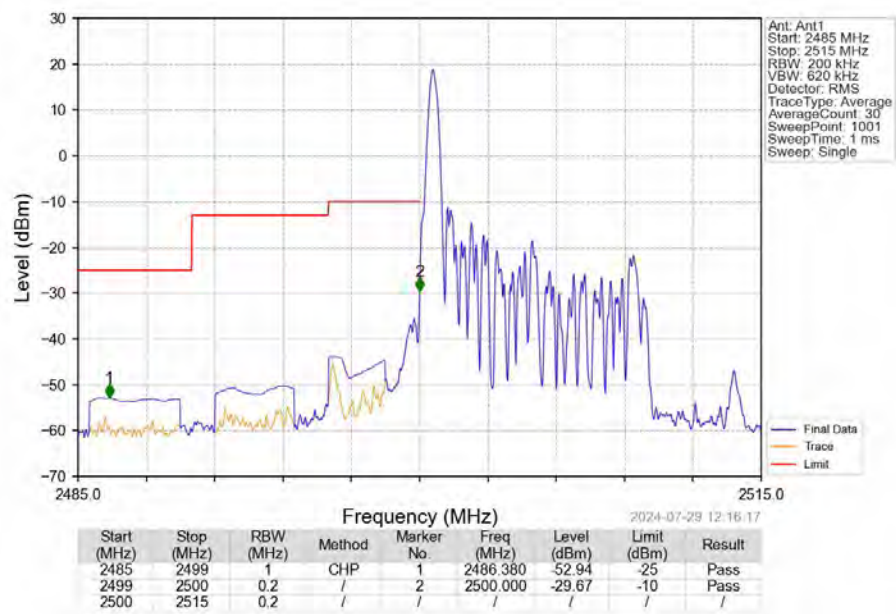
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_49\_NTNV



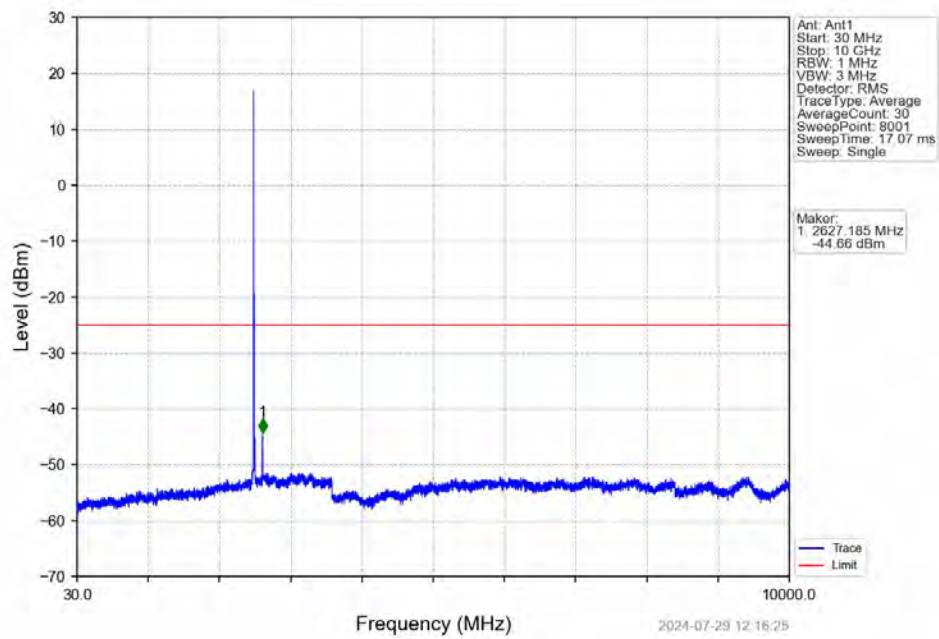
Band7 10MHz QPSK HCH 2565MHz RB 50\_0 NTN



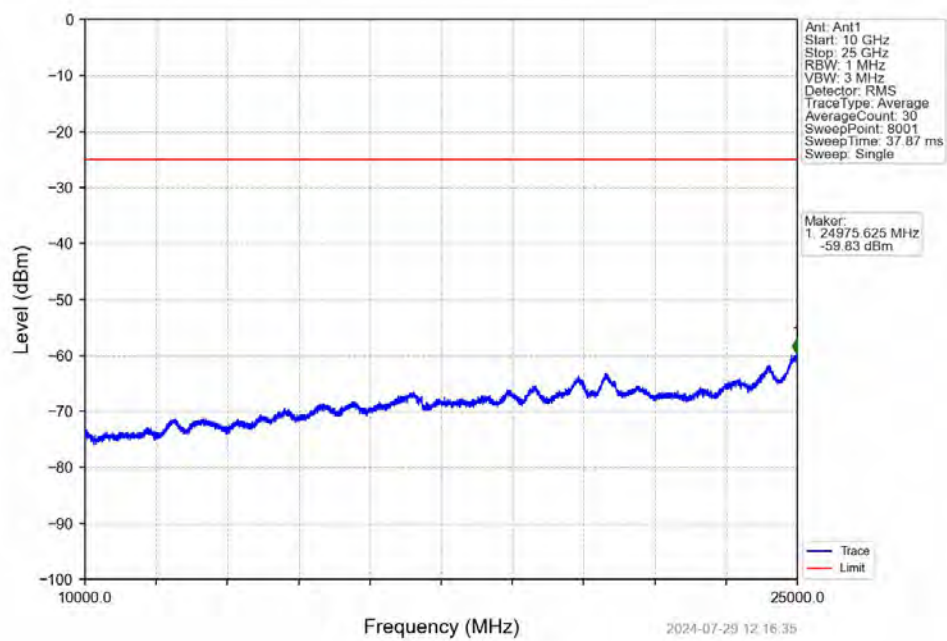
Band7 10MHz 16QAM LCH 2505MHz RB 1\_0 NTN



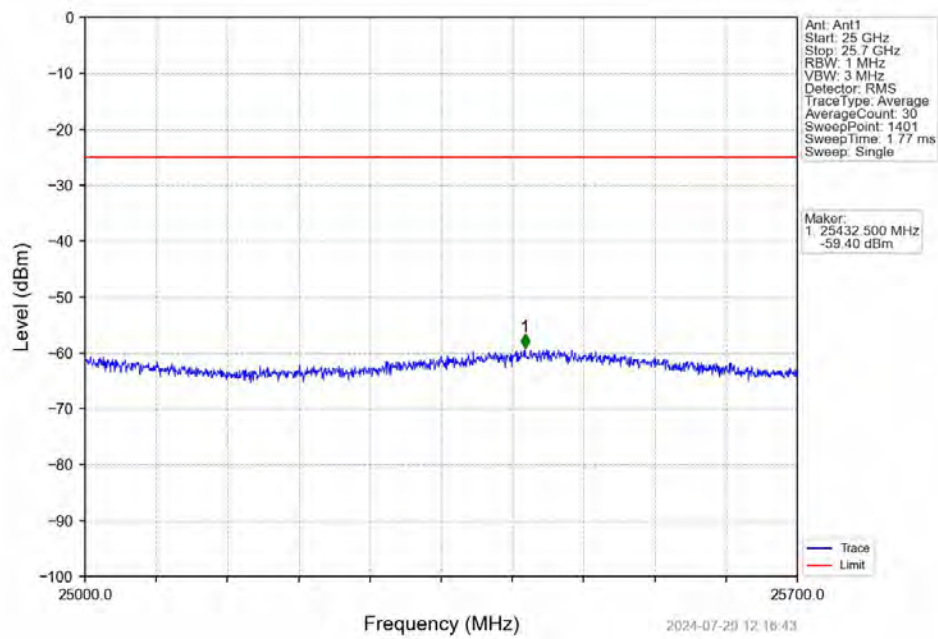
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_1\_0\_NTNV



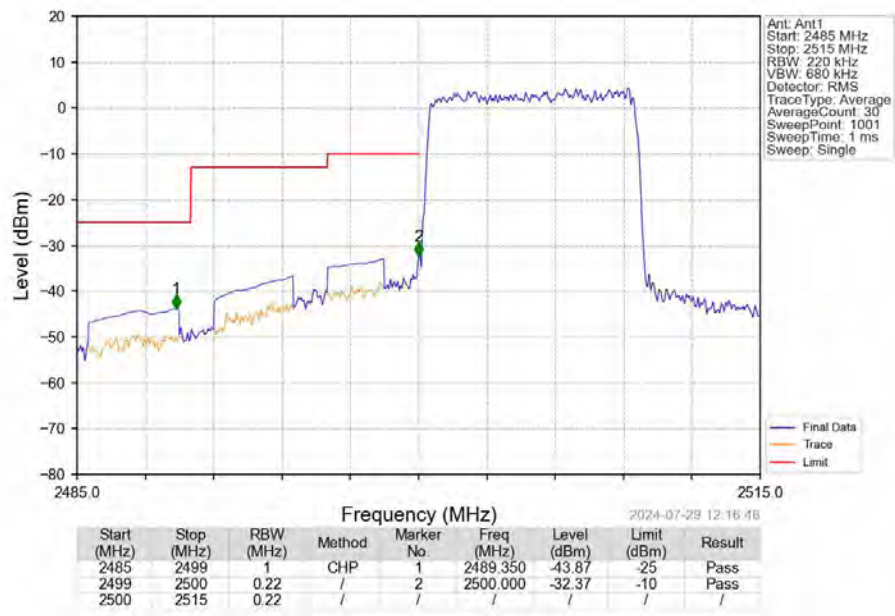
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_1\_0\_NTNV



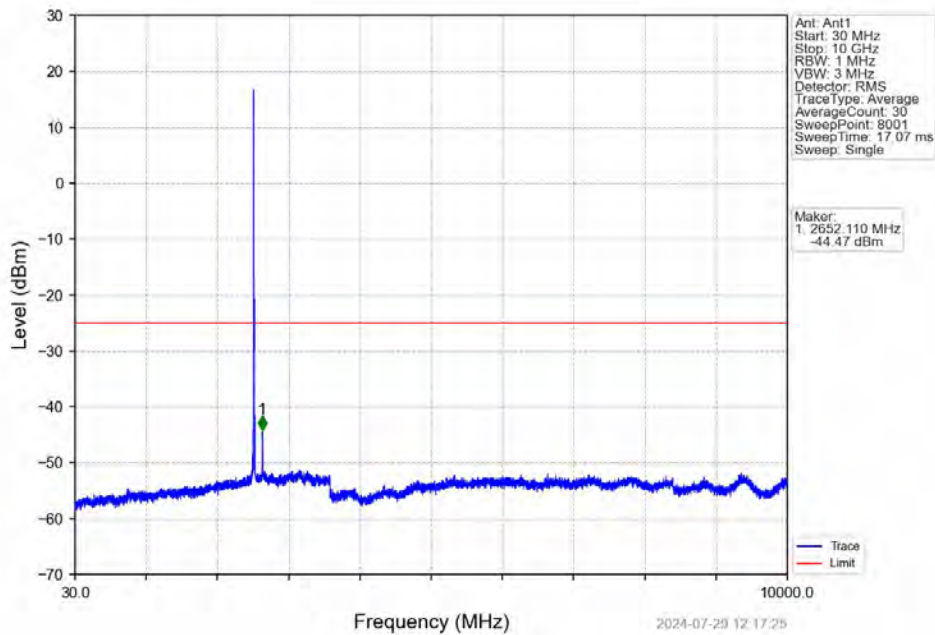
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_1\_0\_NTNV



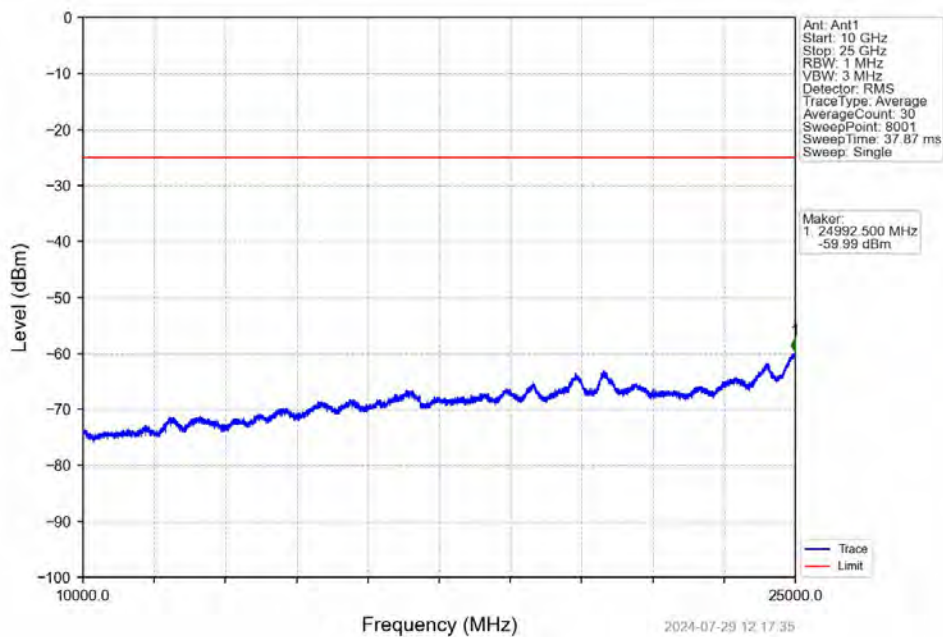
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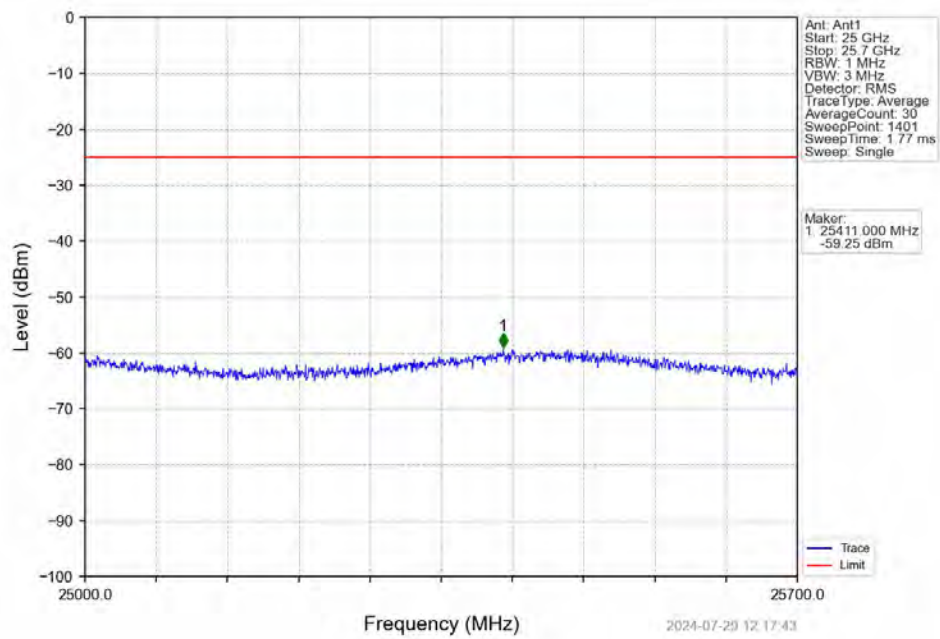
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



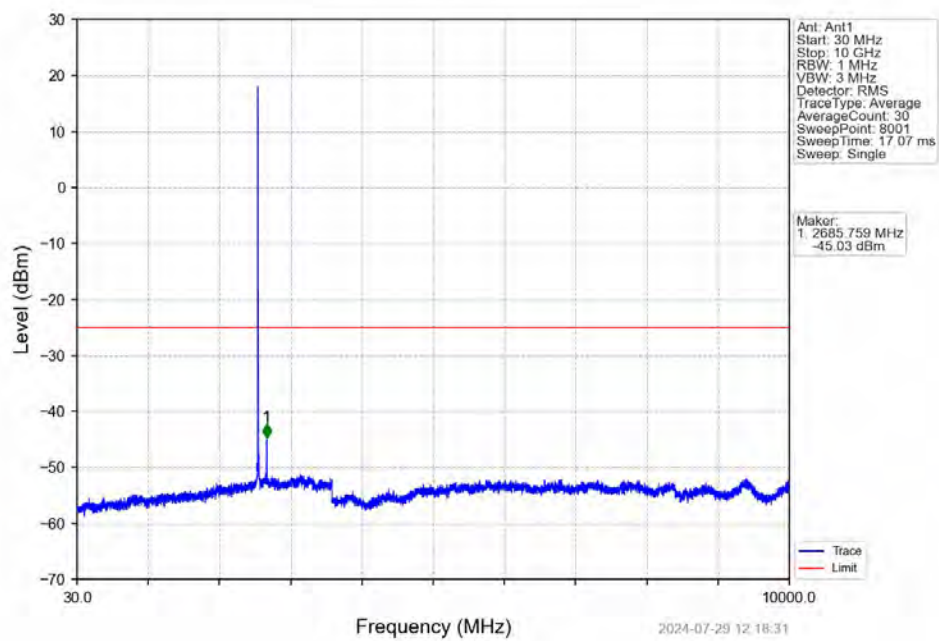
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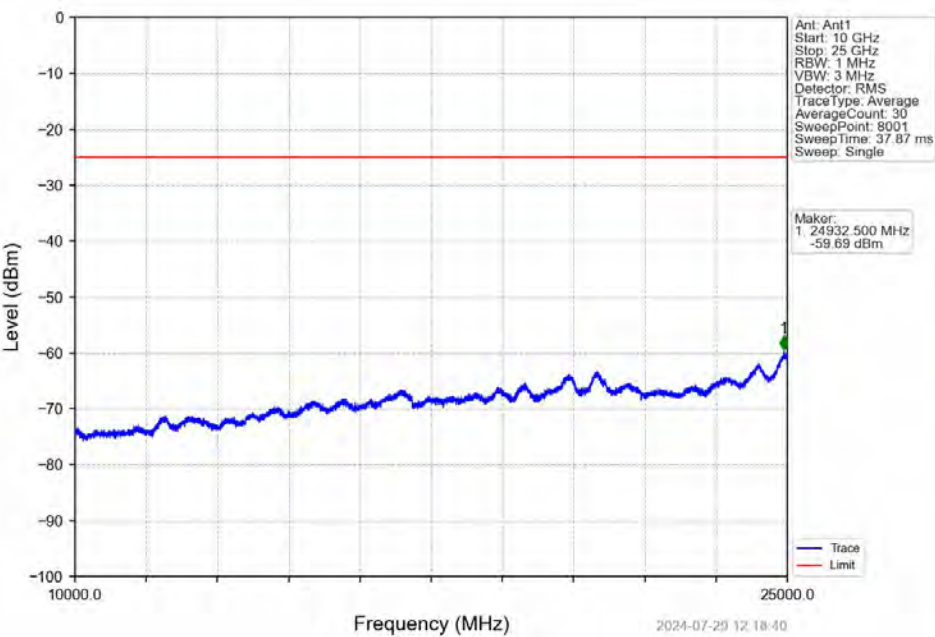
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



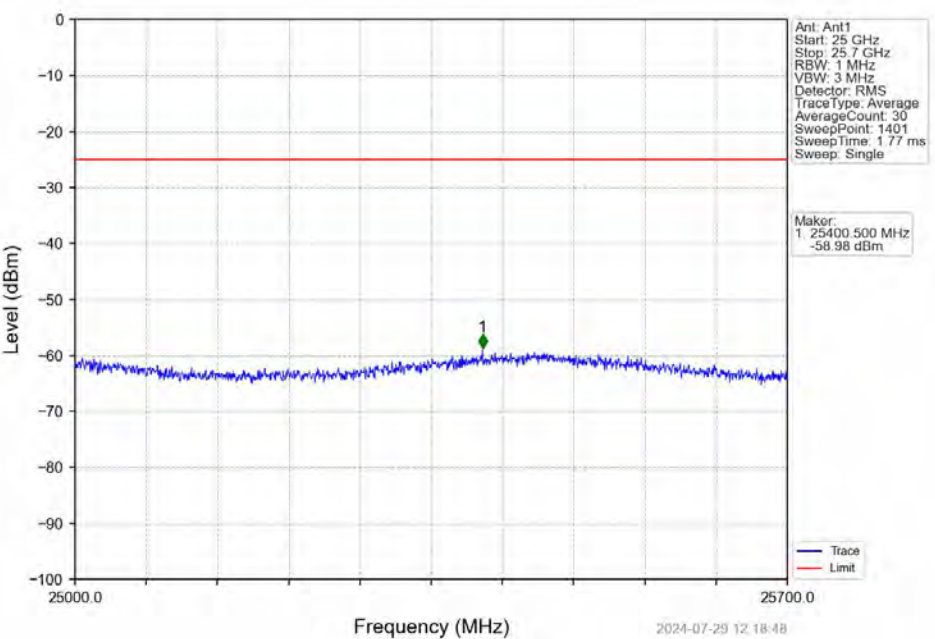
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_1\_0\_NTNV



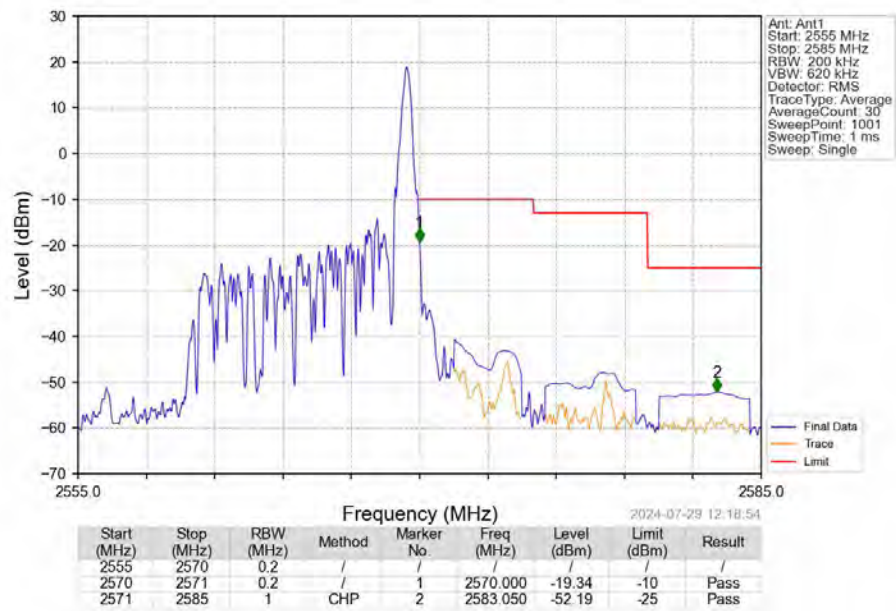
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_1\_0\_NTNV



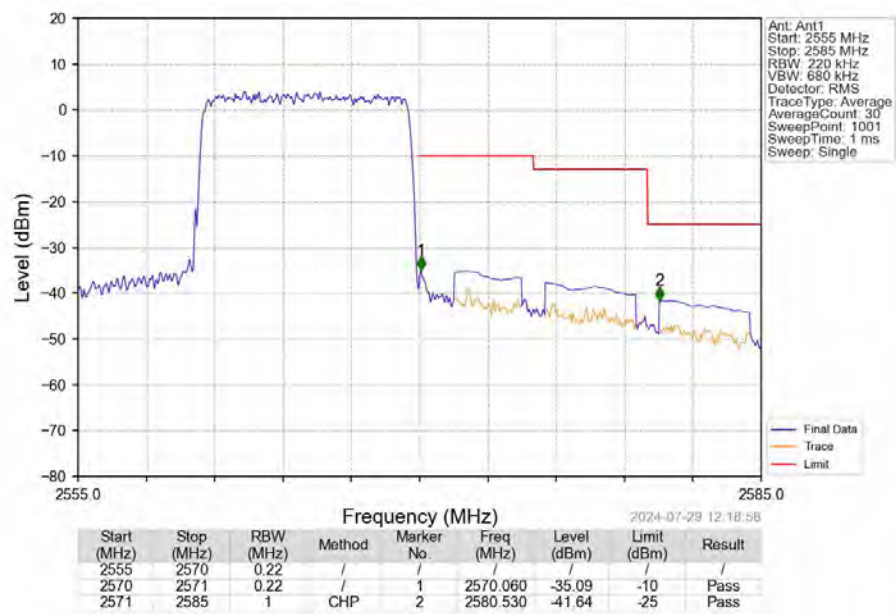
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_1\_0\_NTNV



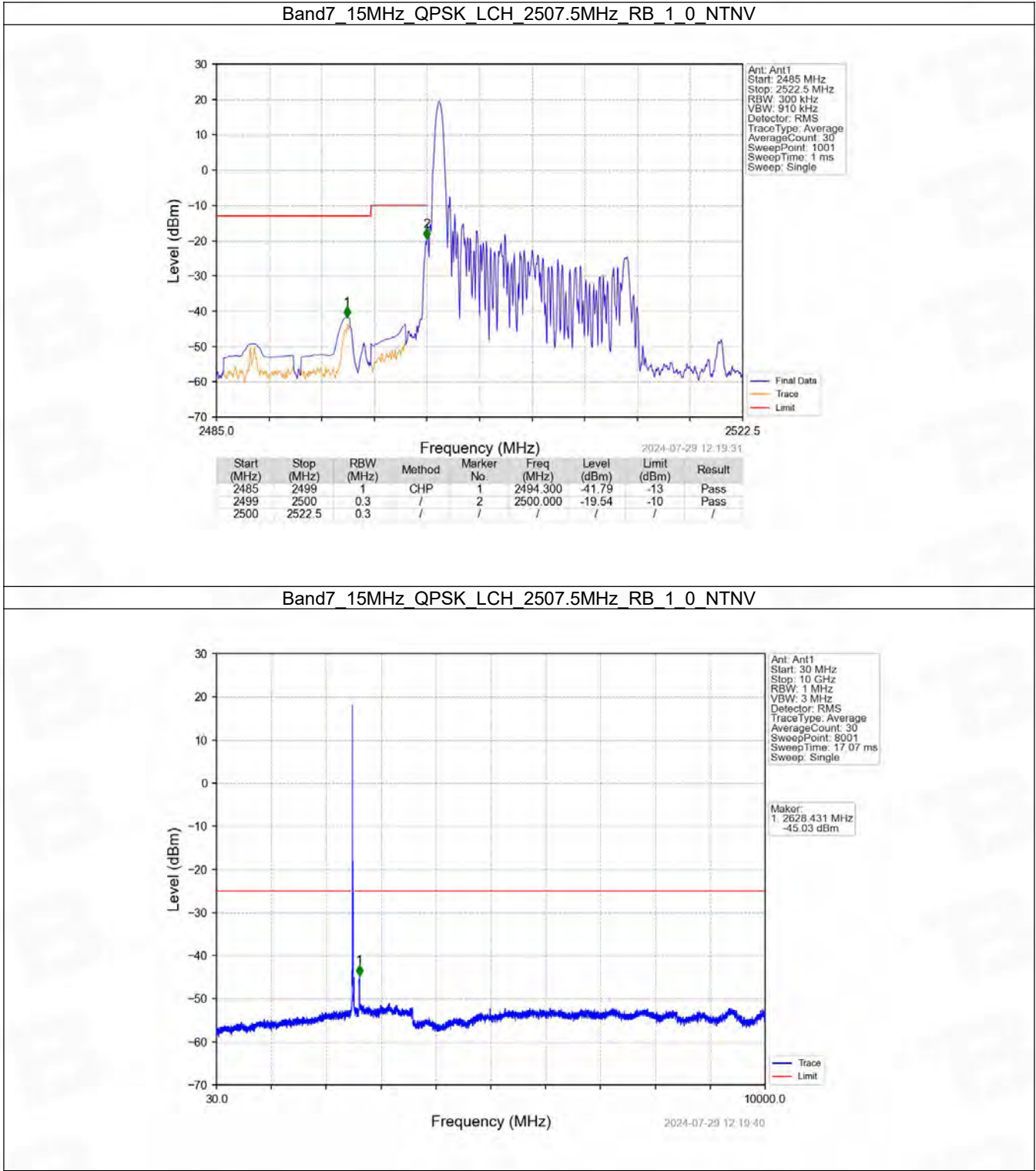
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_1\_49\_NTNV



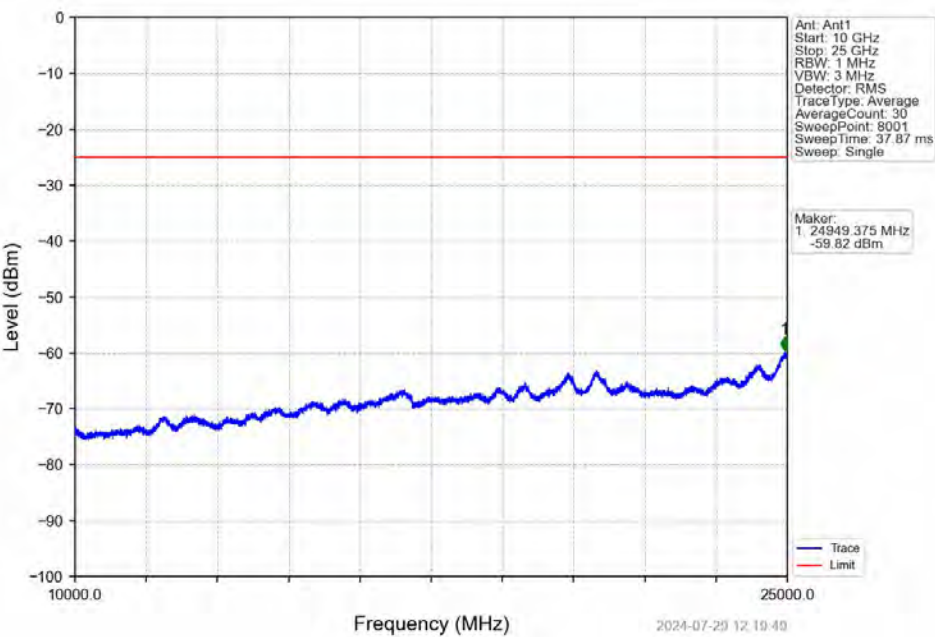
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



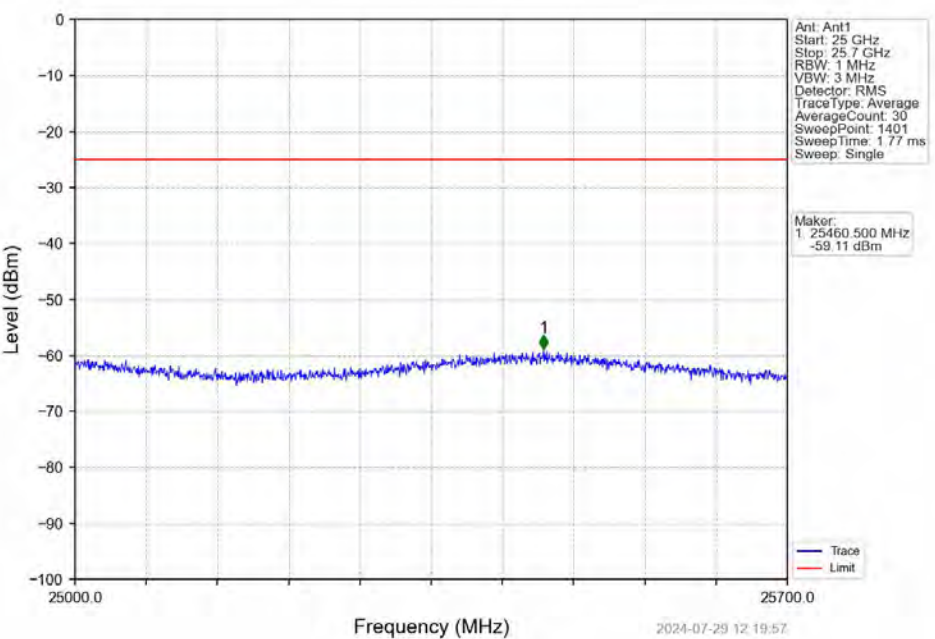
6.2.3 B7\_15MHz



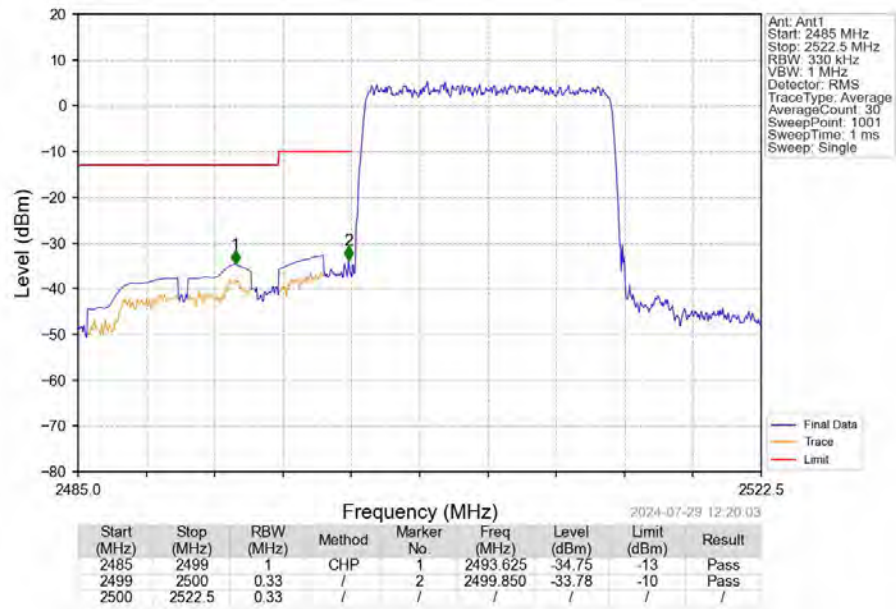
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



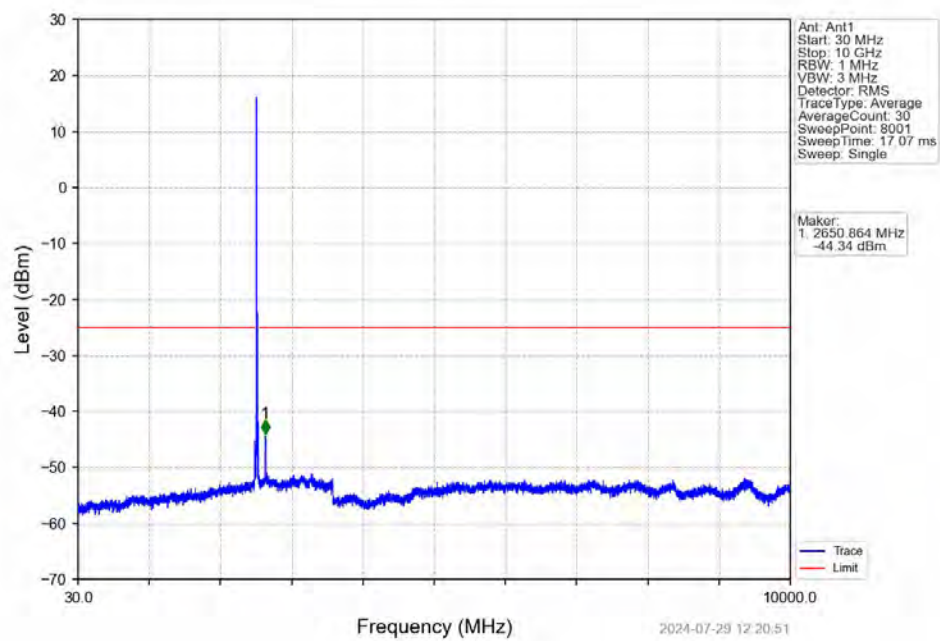
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



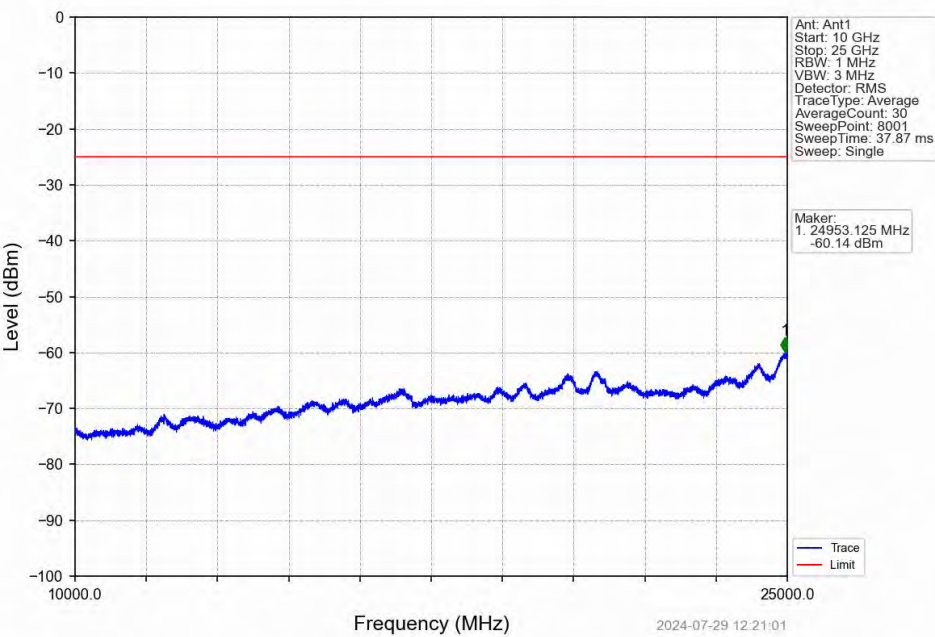
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



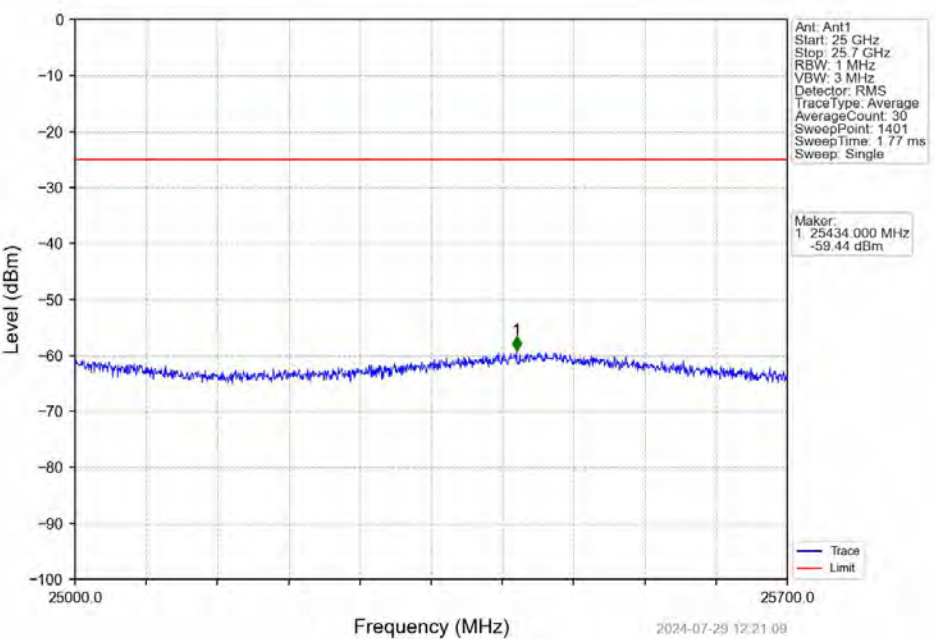
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



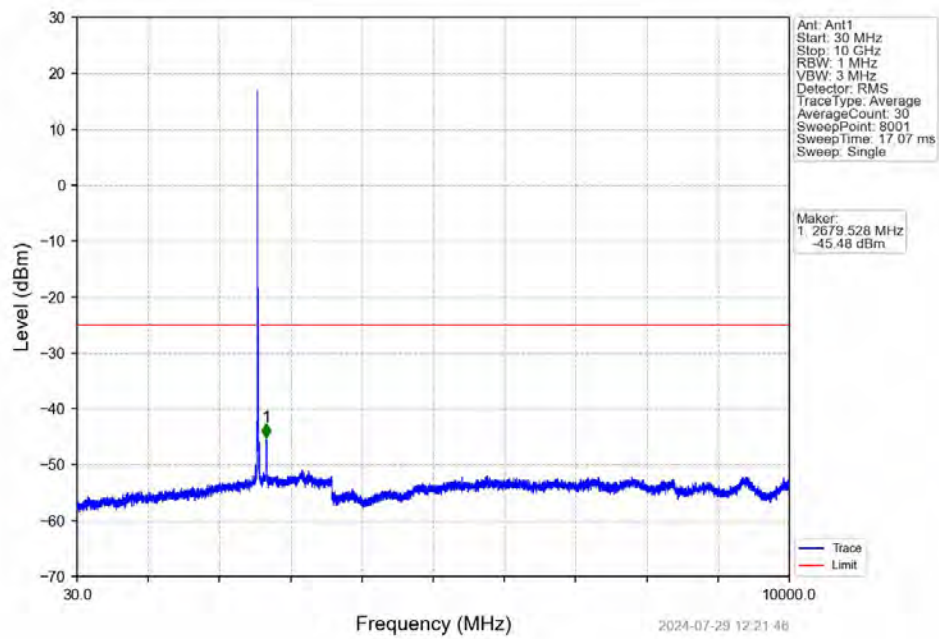
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



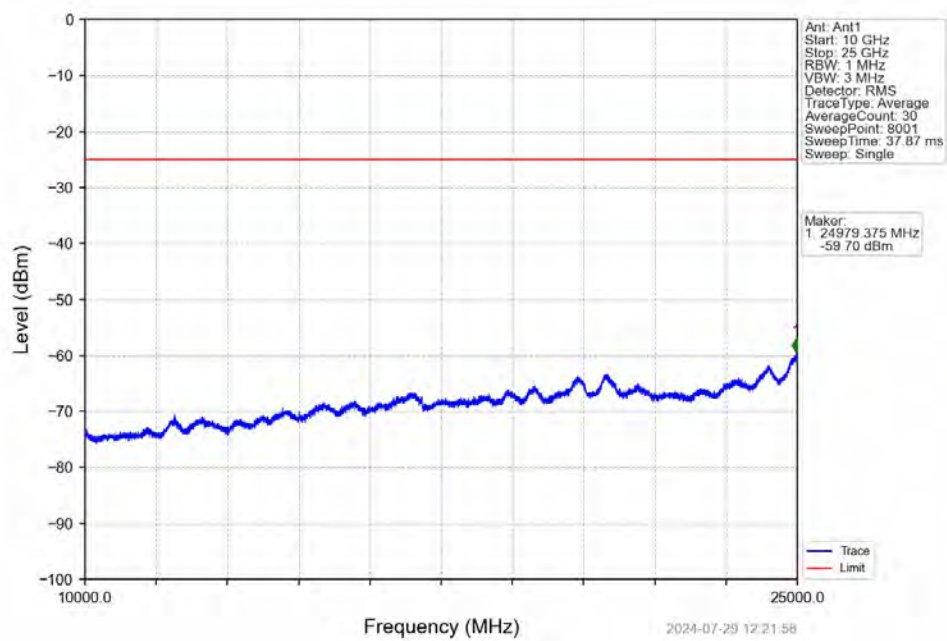
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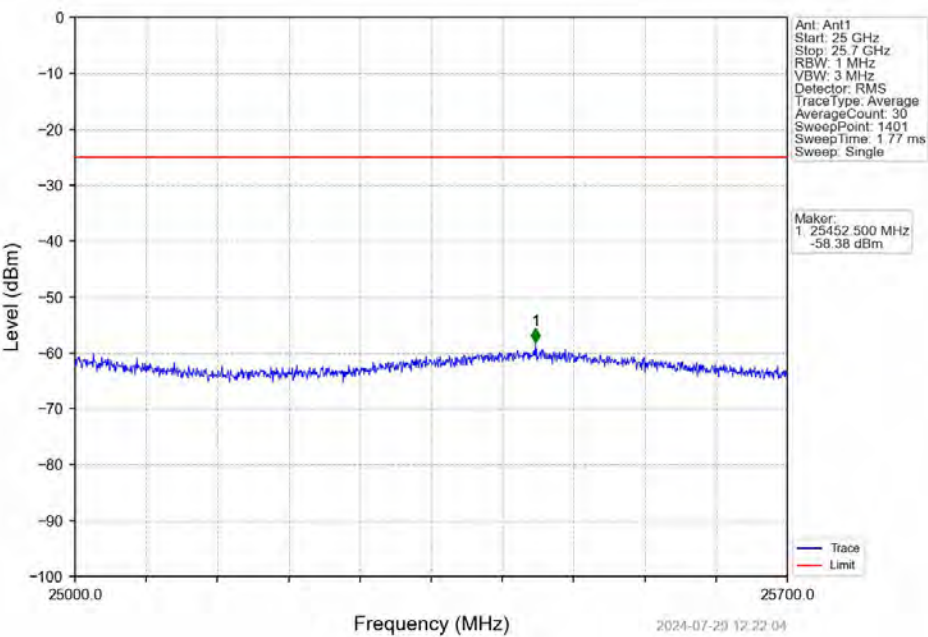
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



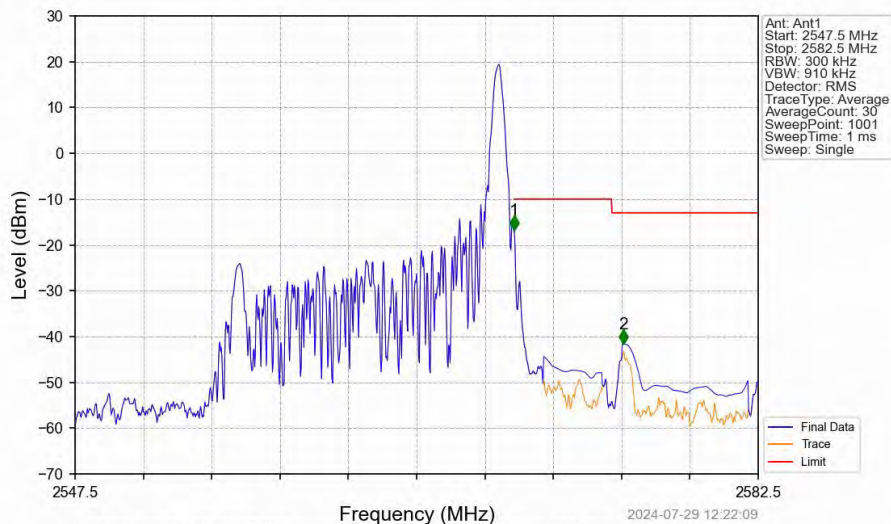
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Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV

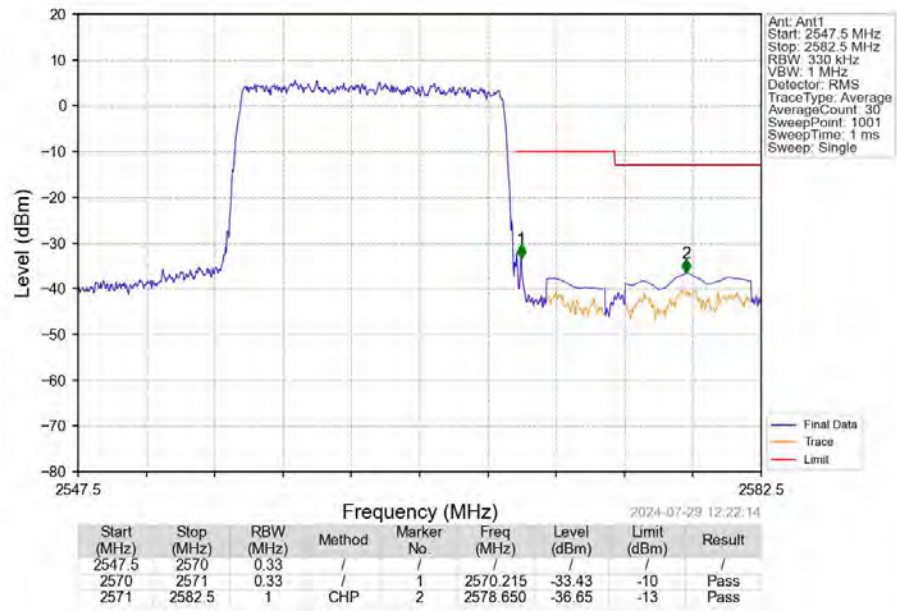


Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_74\_NTNV

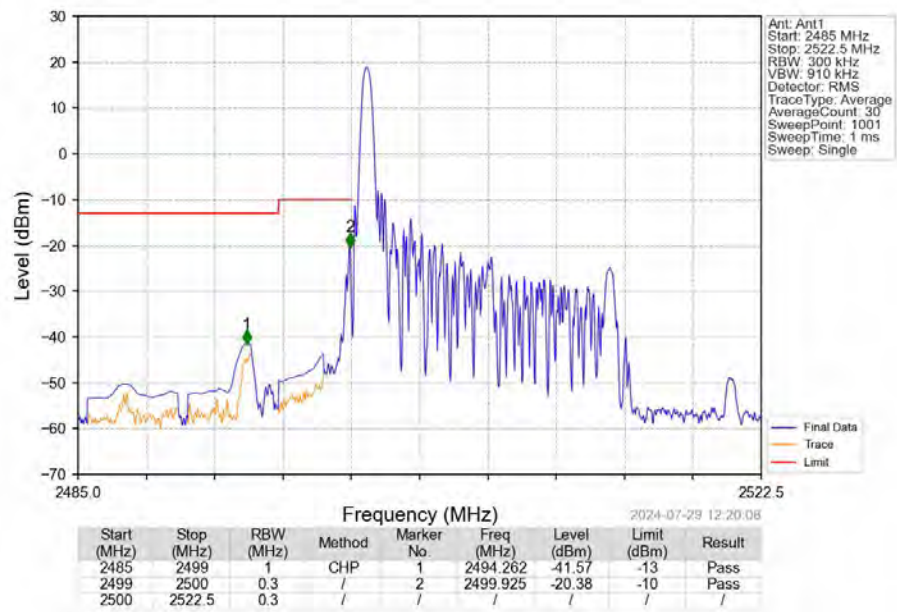


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2547.5      | 2570       | 0.3       | /      | 1          | 2570.005   | -16.80      | -10         | Pass   |
| 2570        | 2571       | 0.3       | /      | 1          | 2570.005   | -16.80      | -10         | Pass   |
| 2571        | 2582.5     | 1         | CHP    | 2          | 2575.605   | -41.66      | -13         | Pass   |

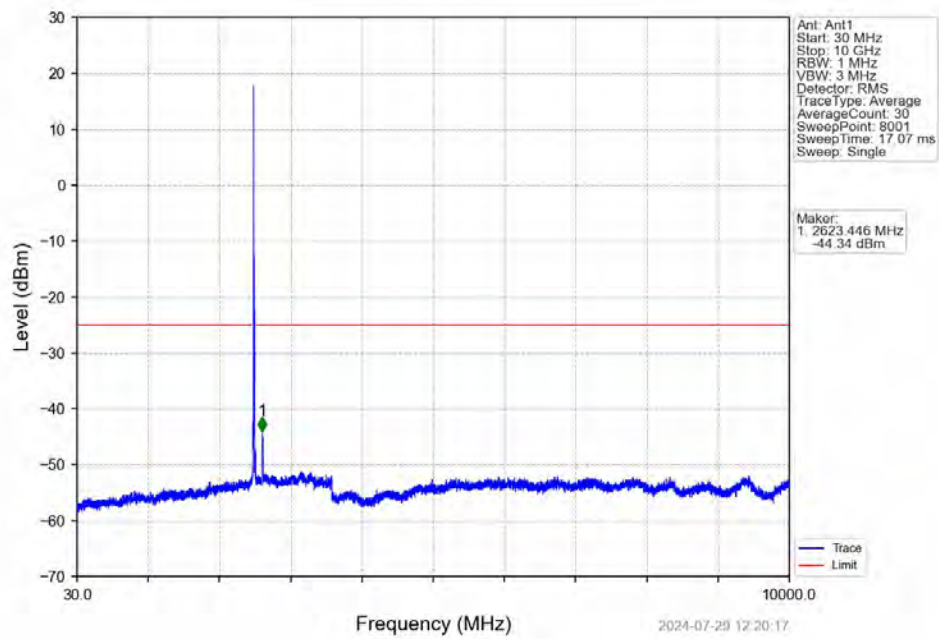
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



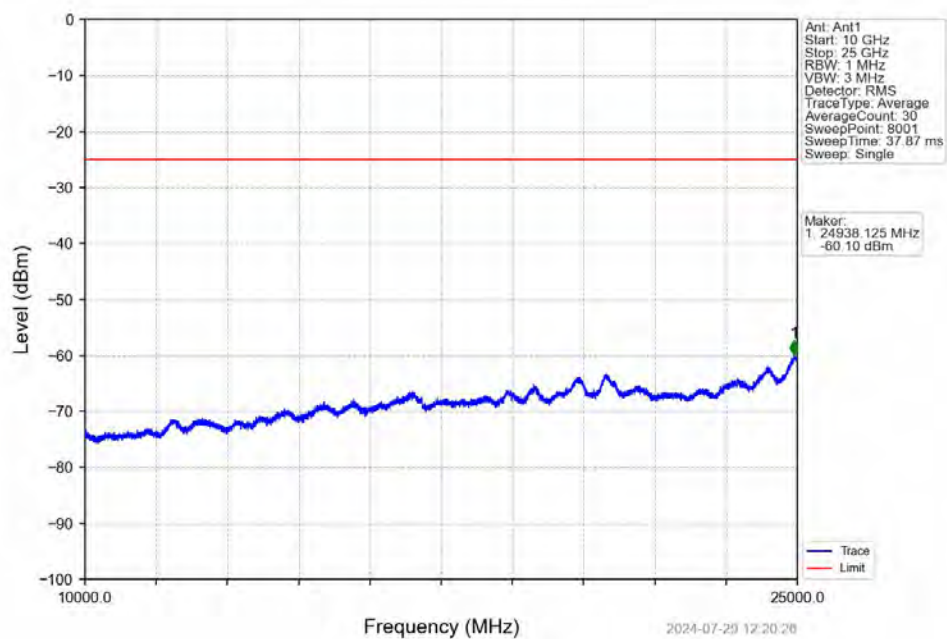
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



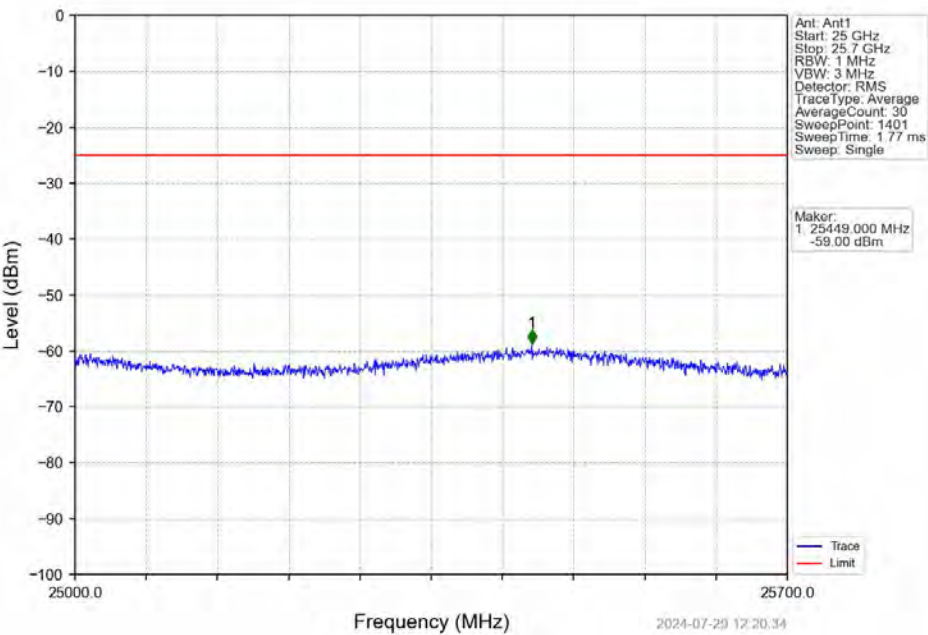
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



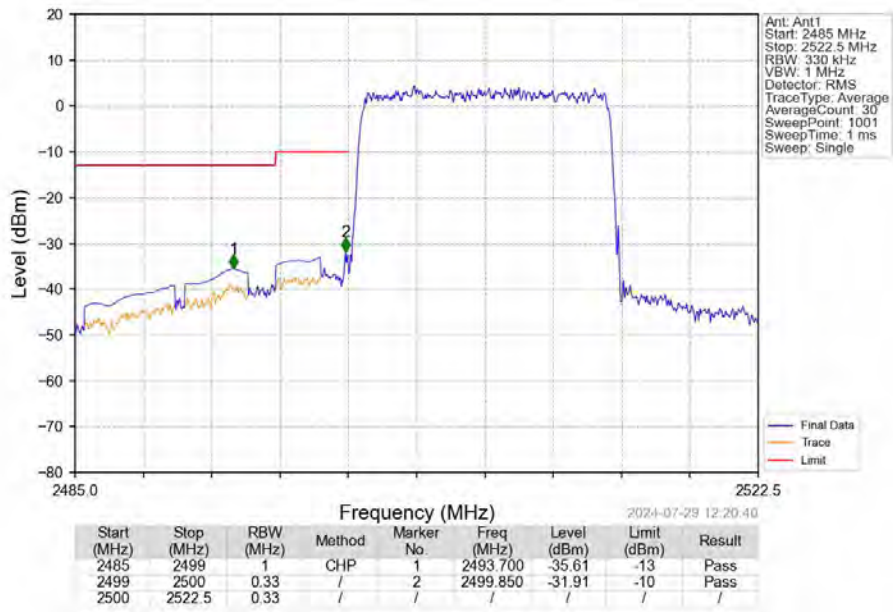
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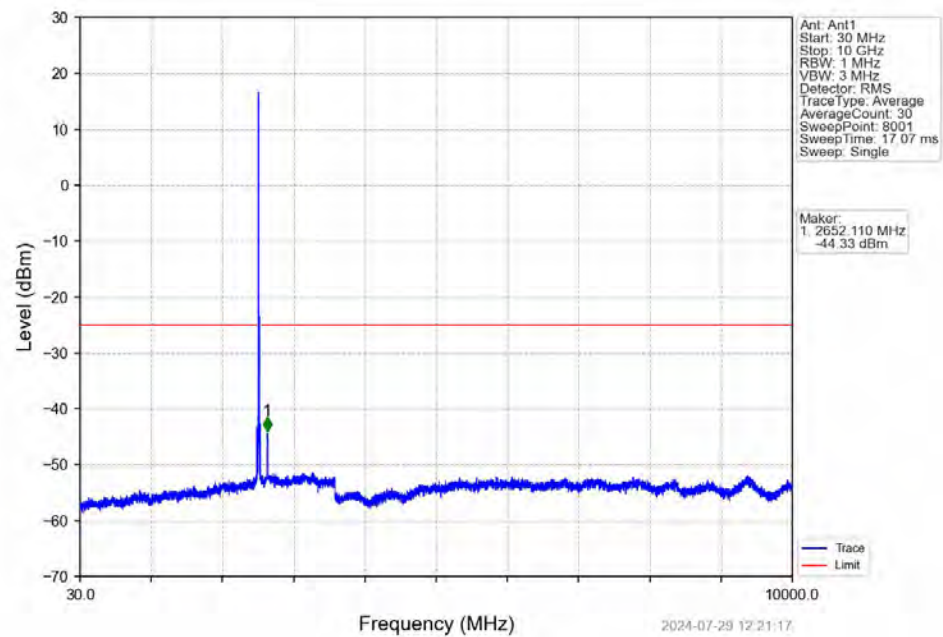
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



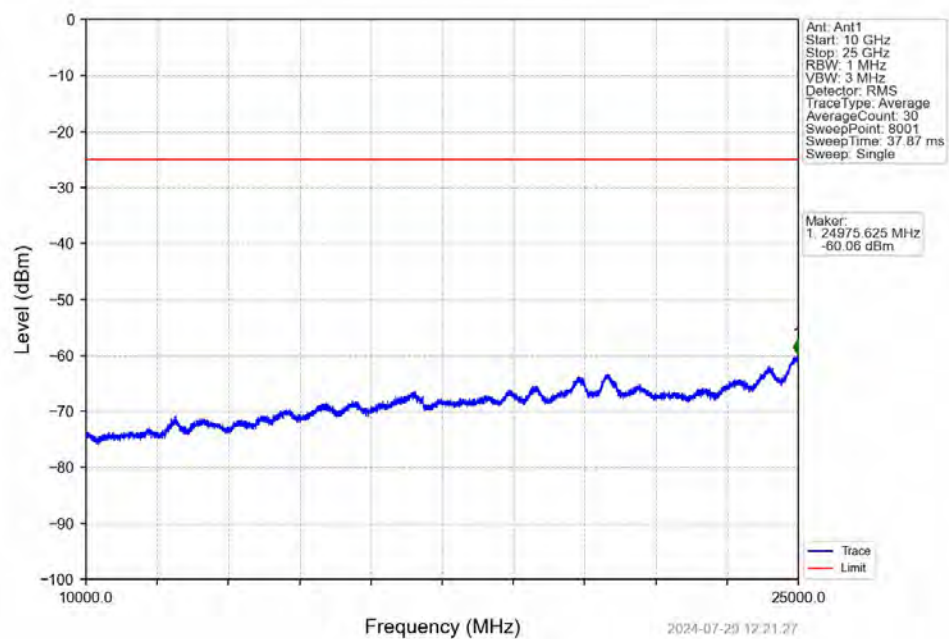
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



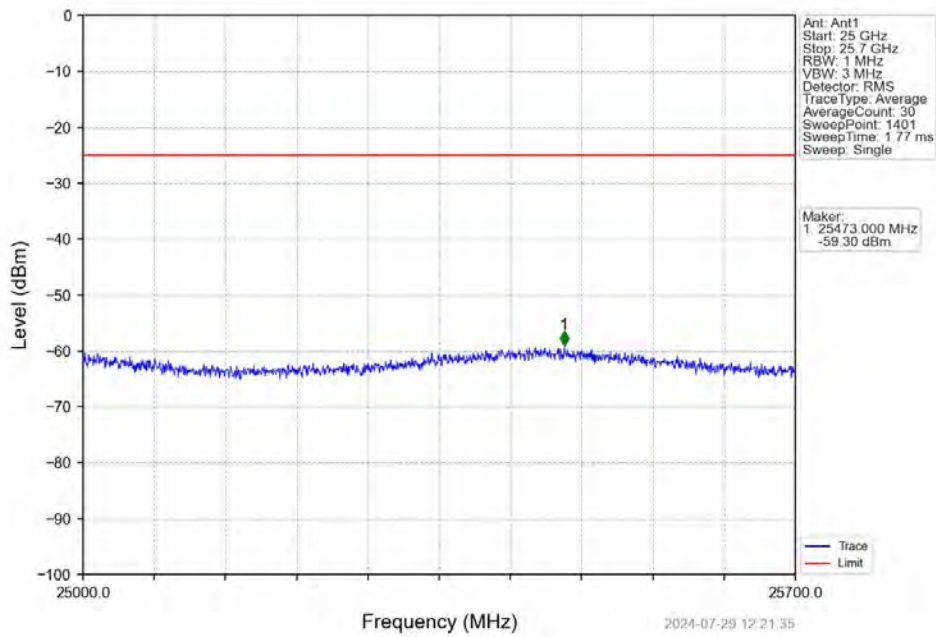
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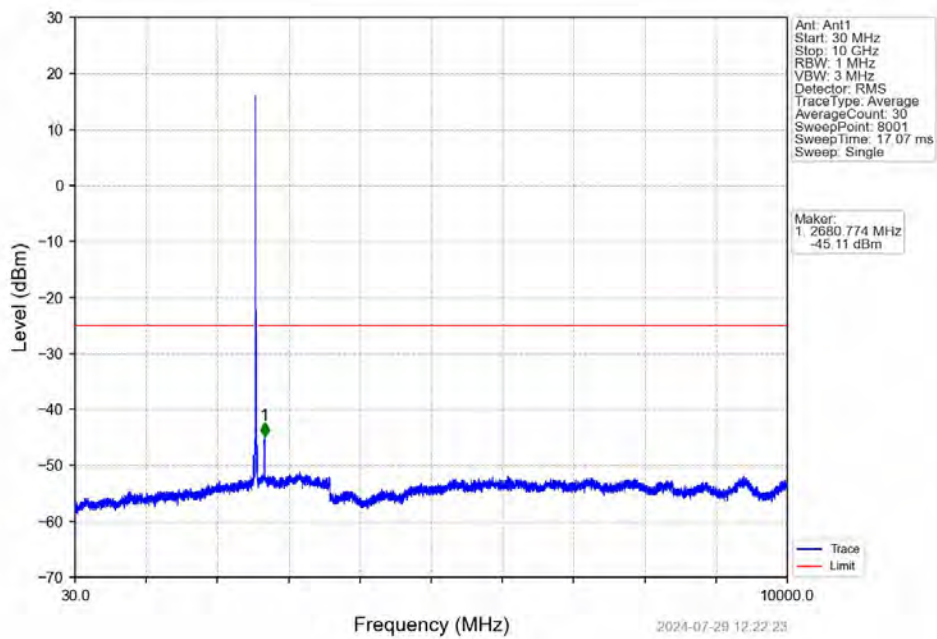
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



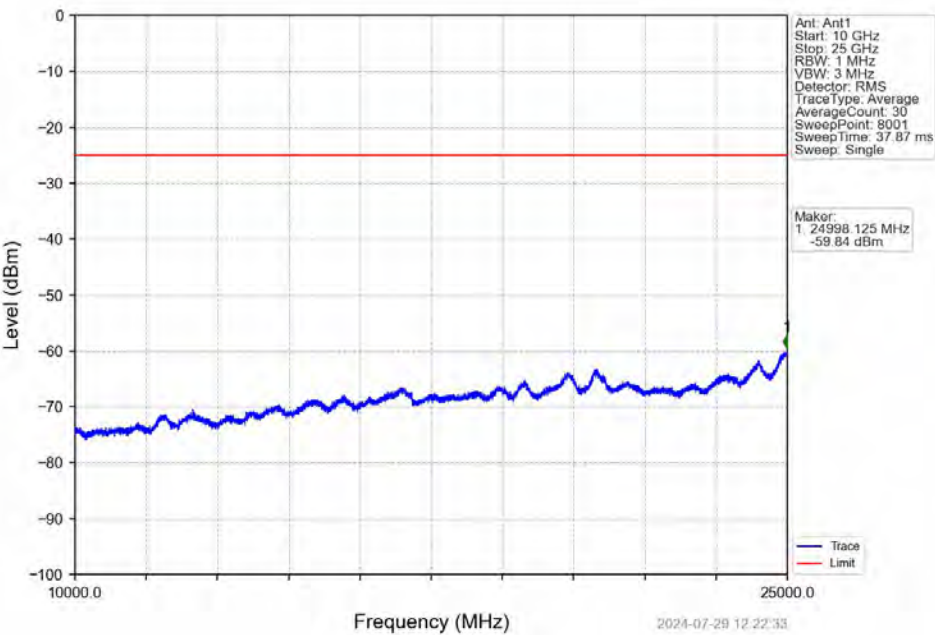
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



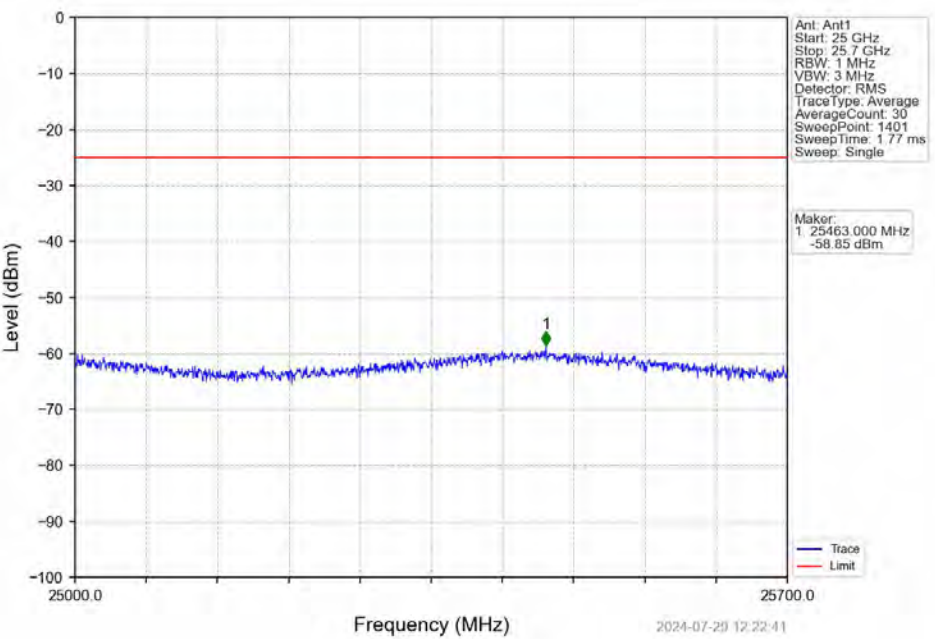
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



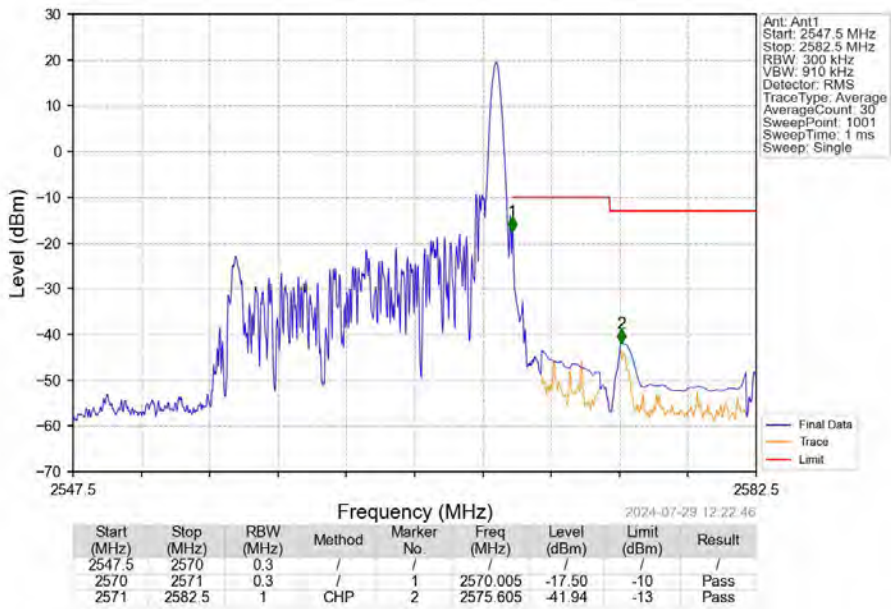
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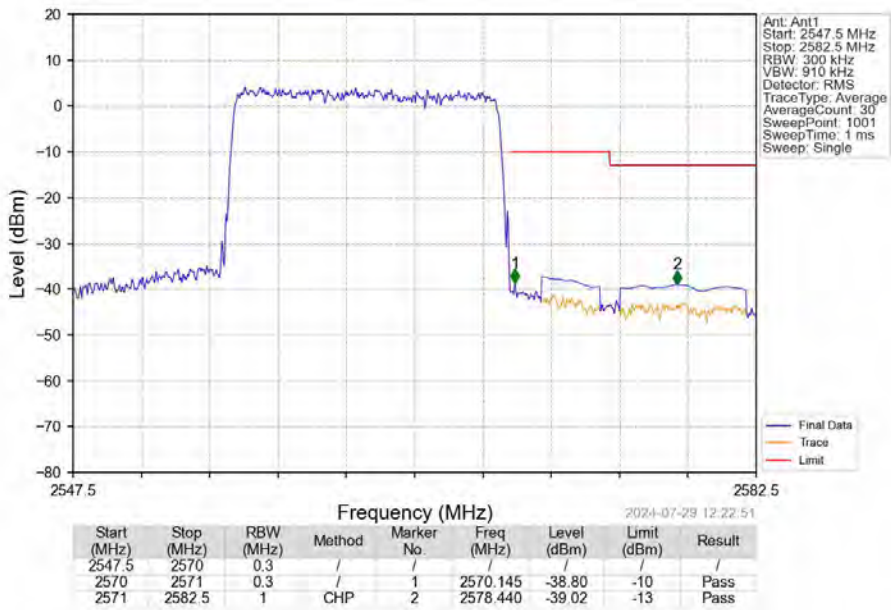
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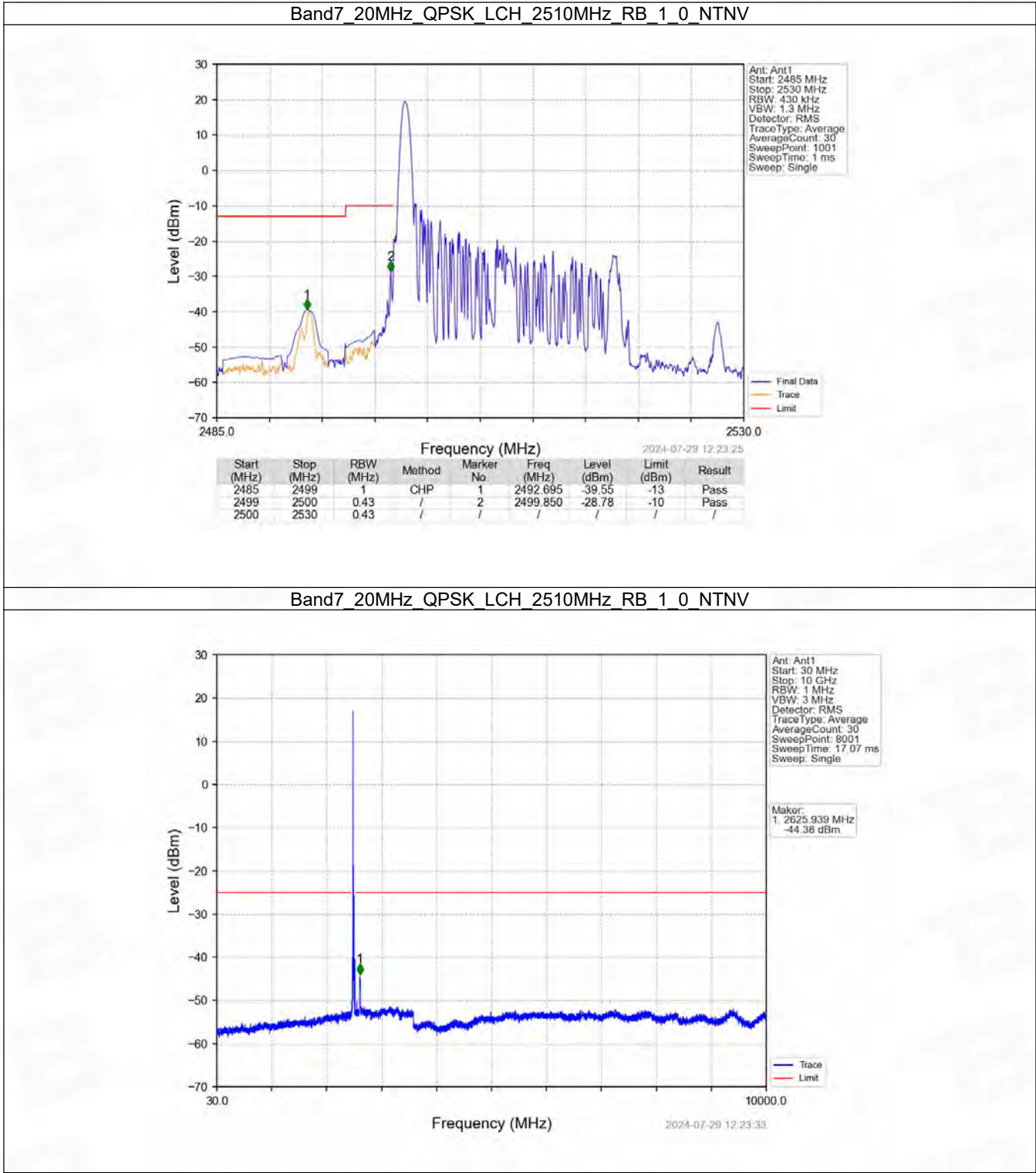
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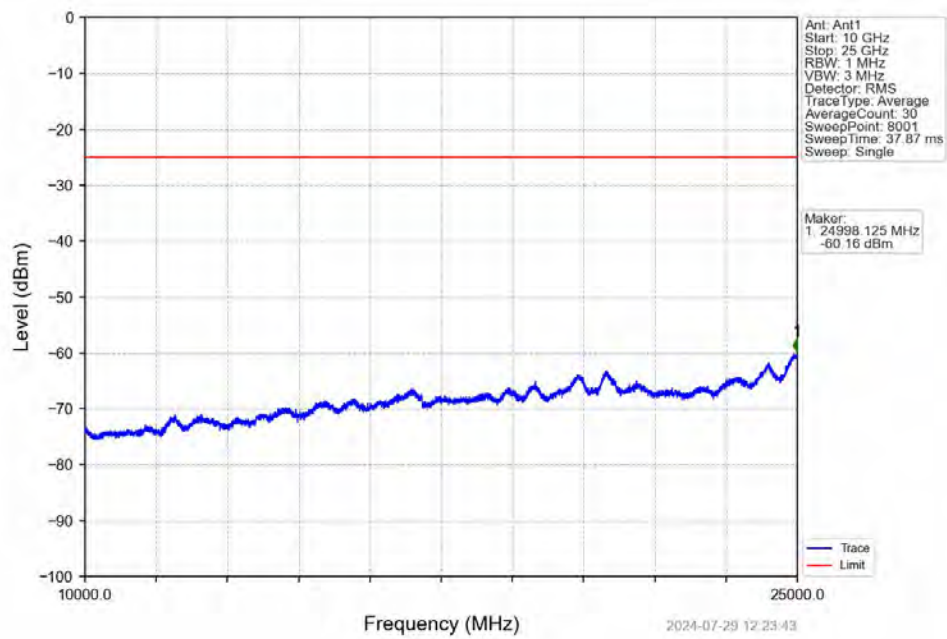
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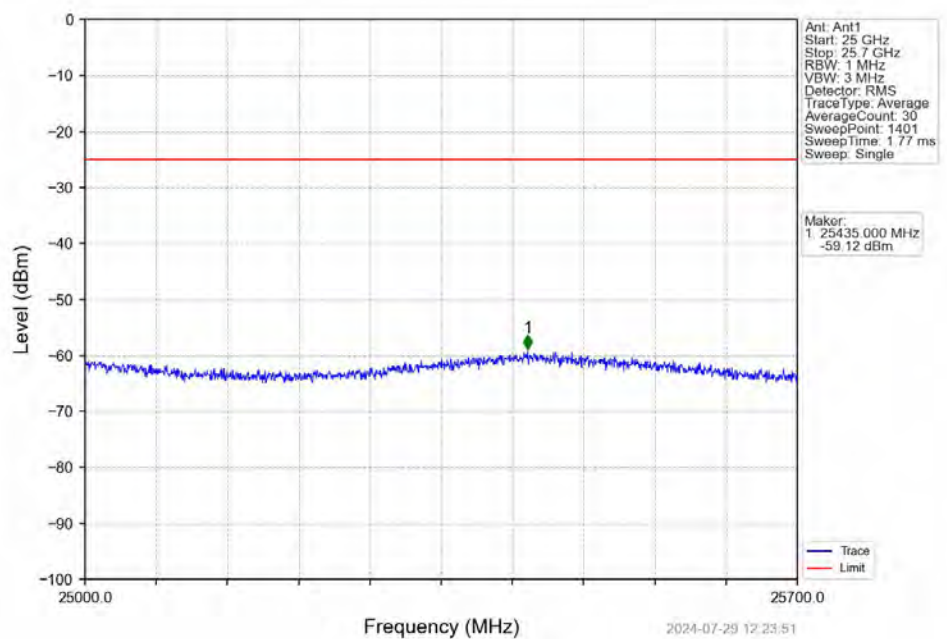
6.2.4 B7\_20MHz



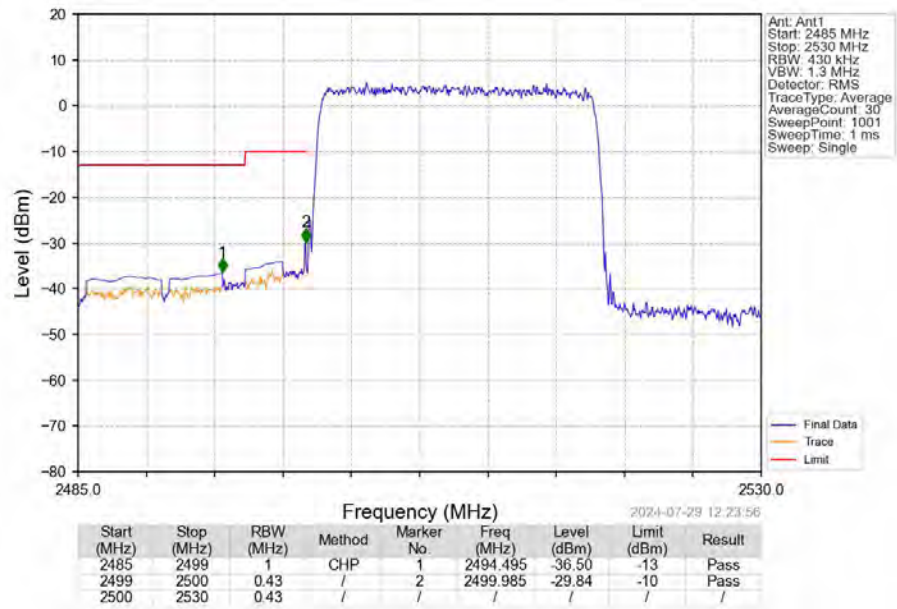
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_1\_0\_NTNV



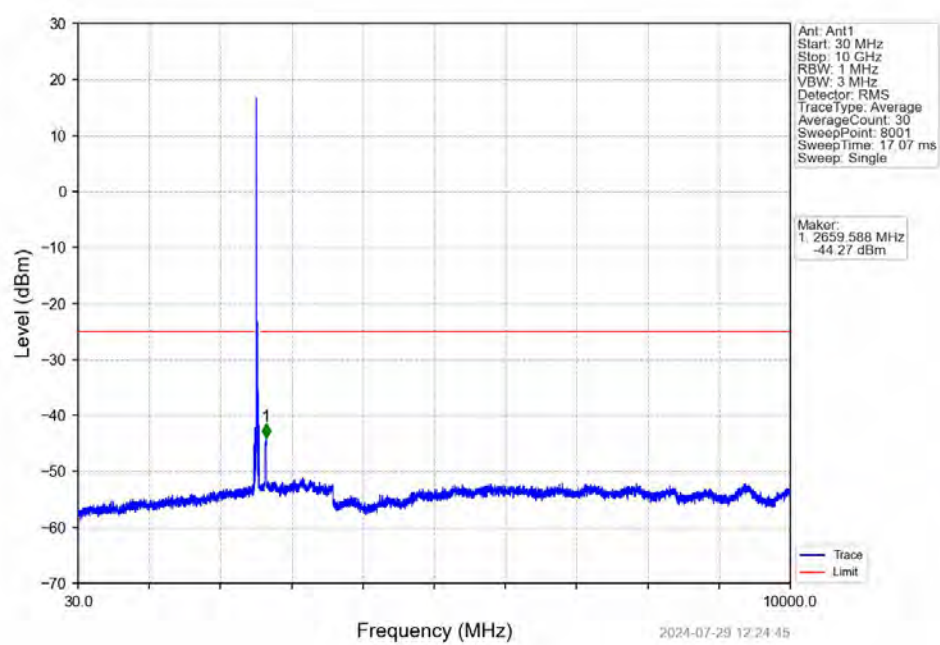
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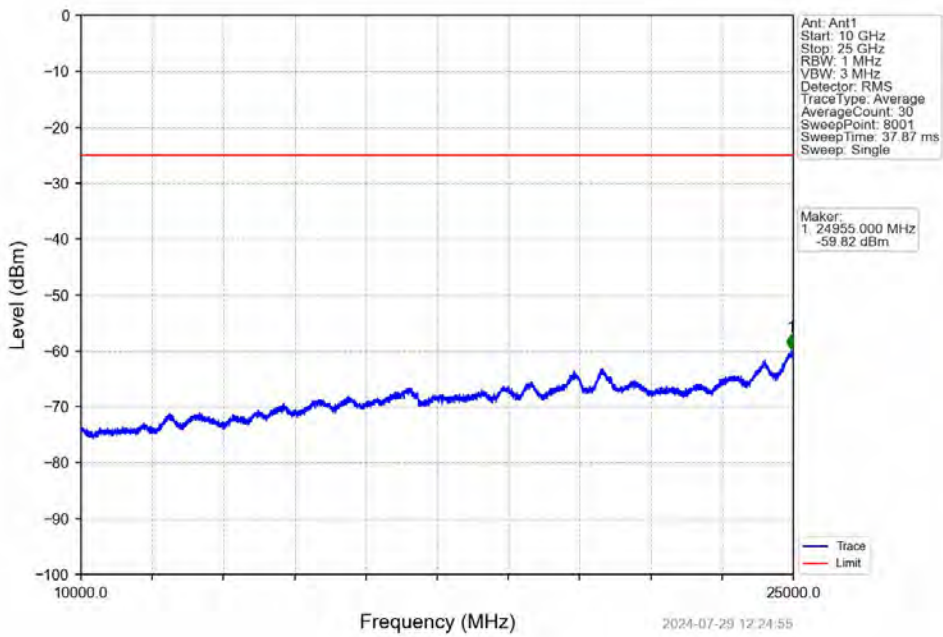
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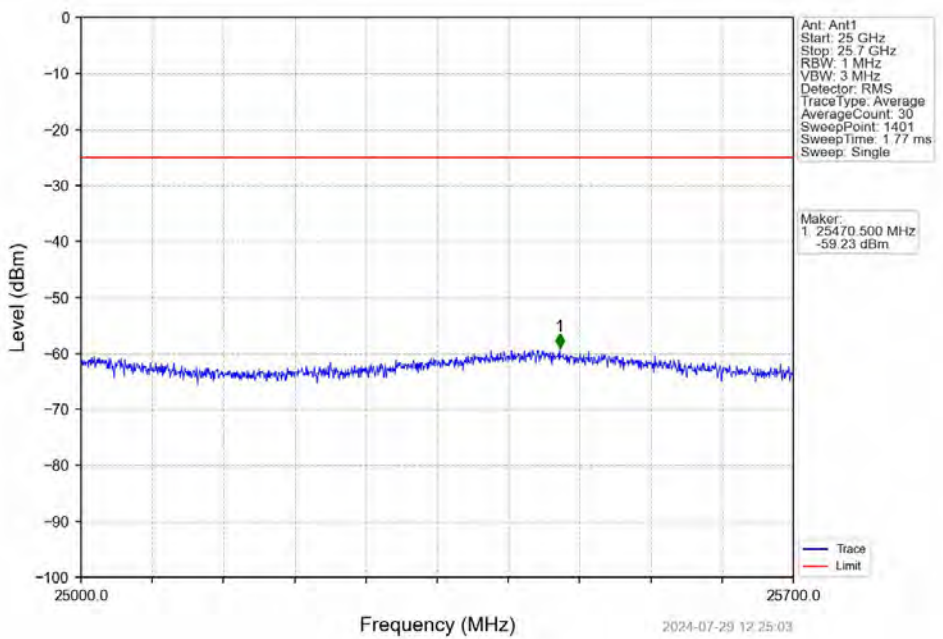
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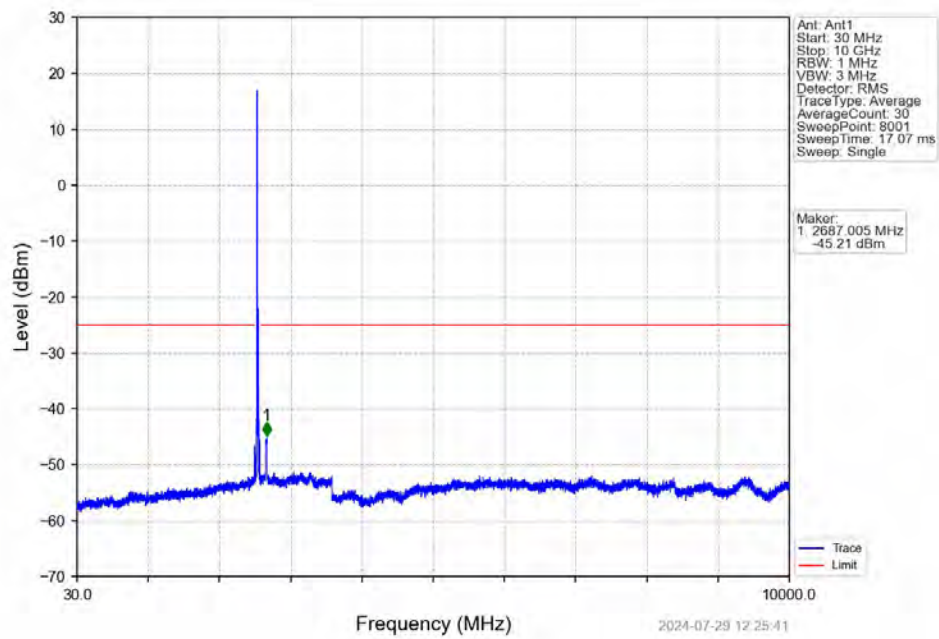
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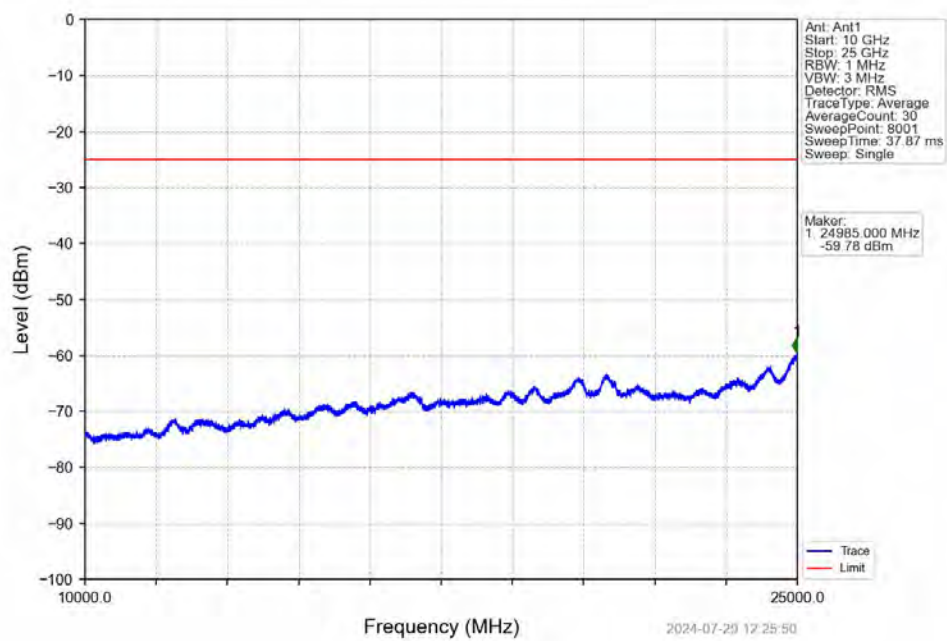
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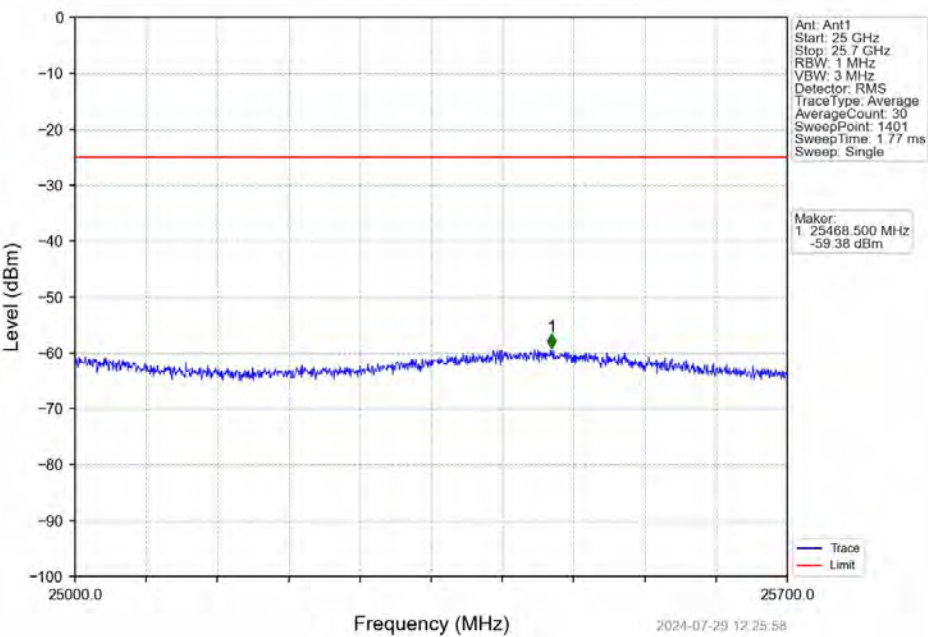
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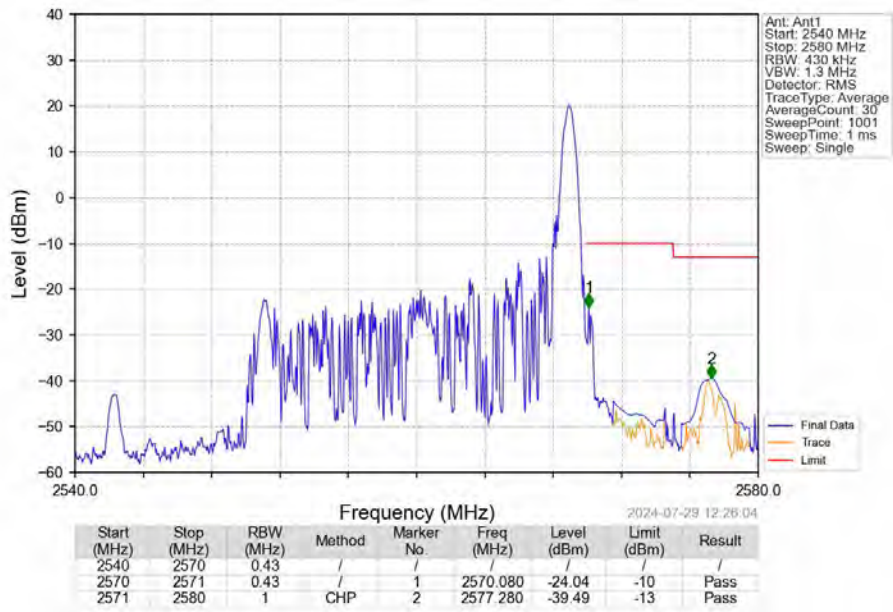
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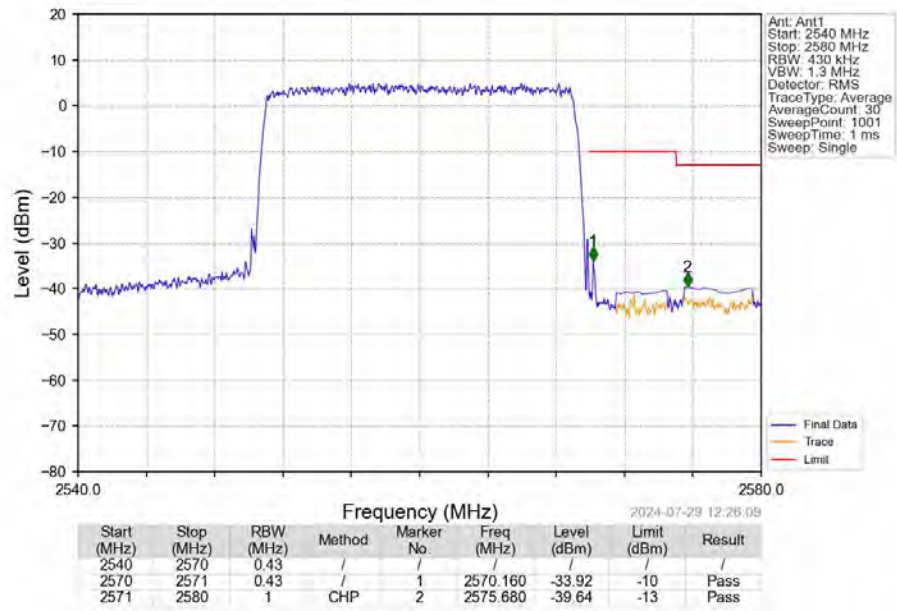
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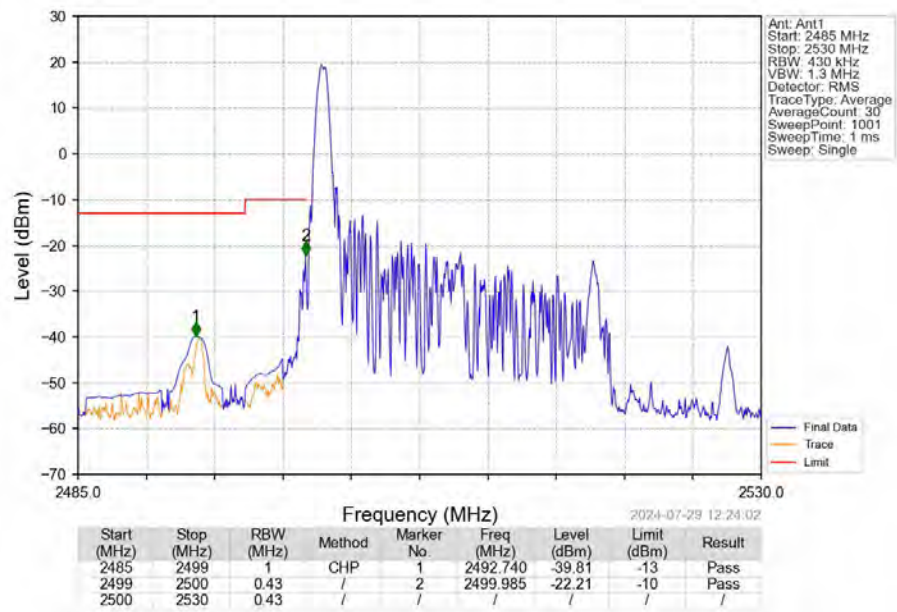
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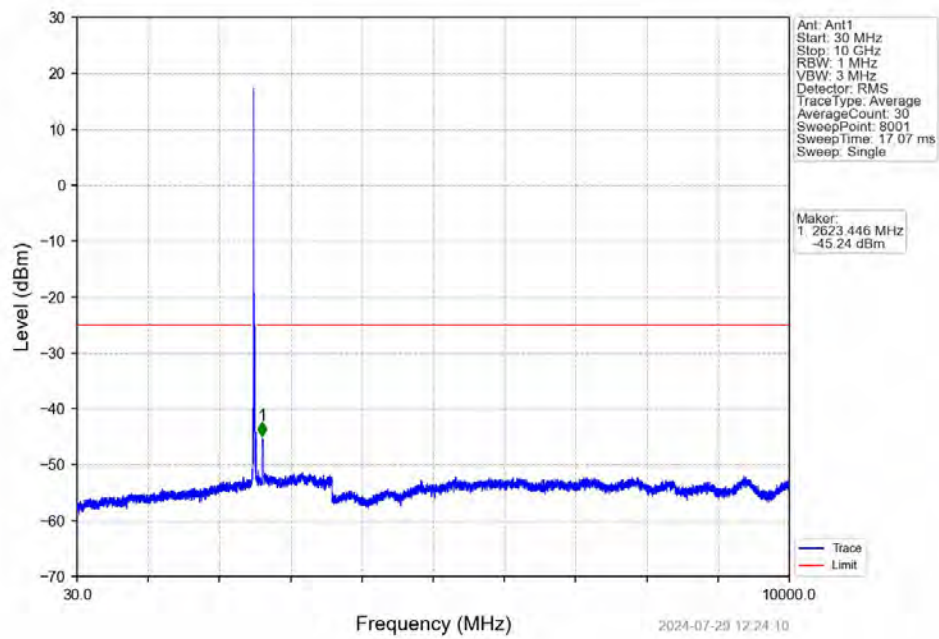
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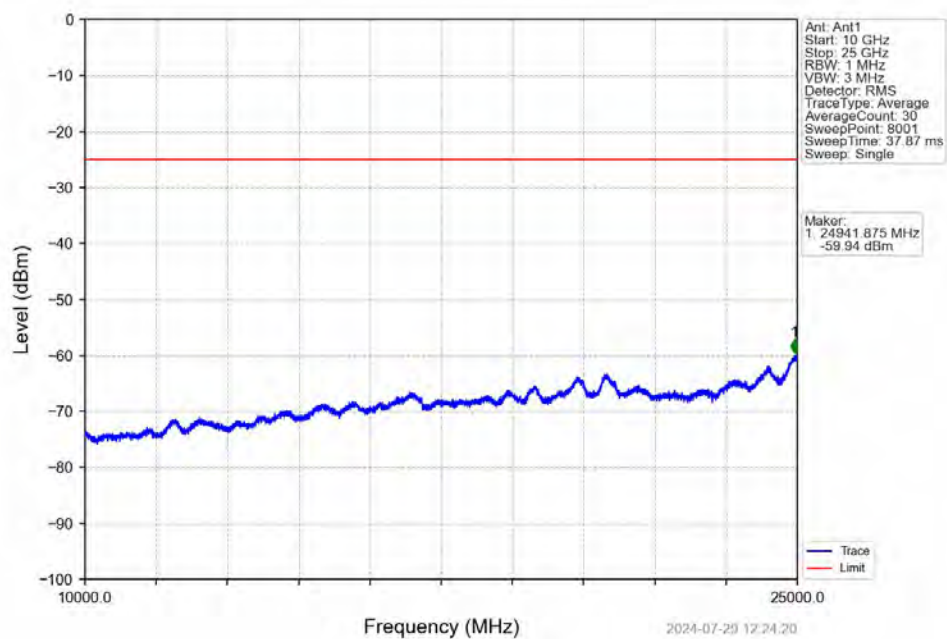
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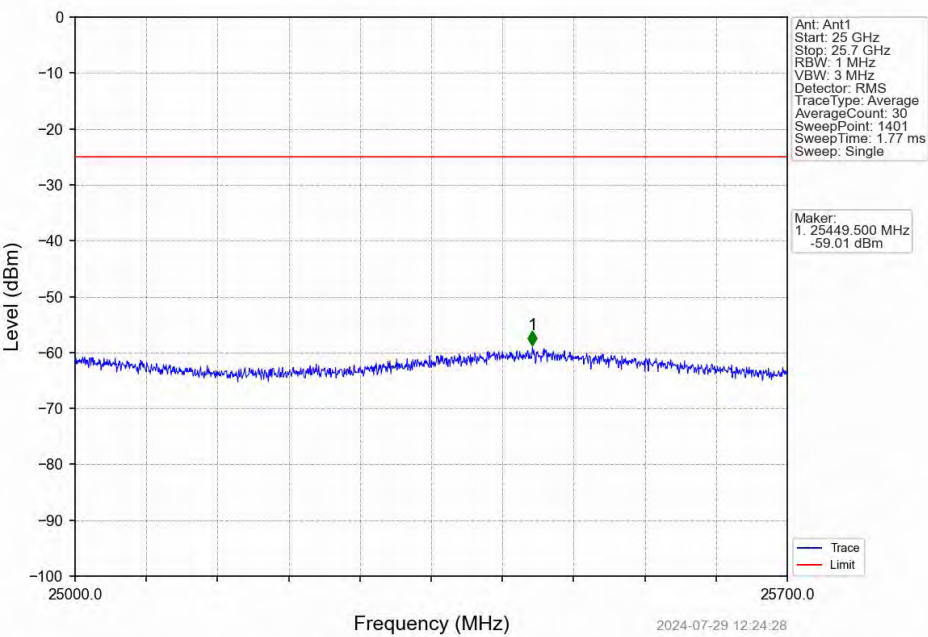
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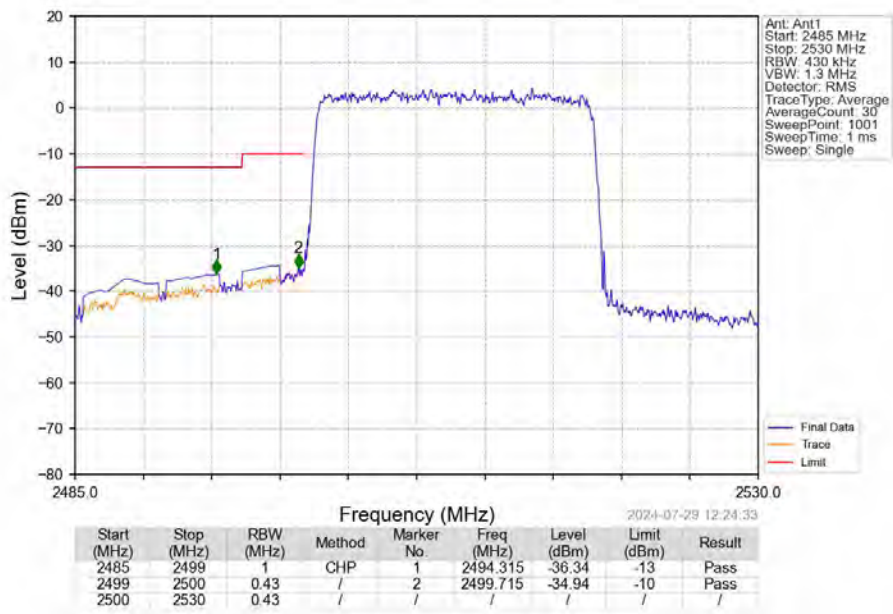
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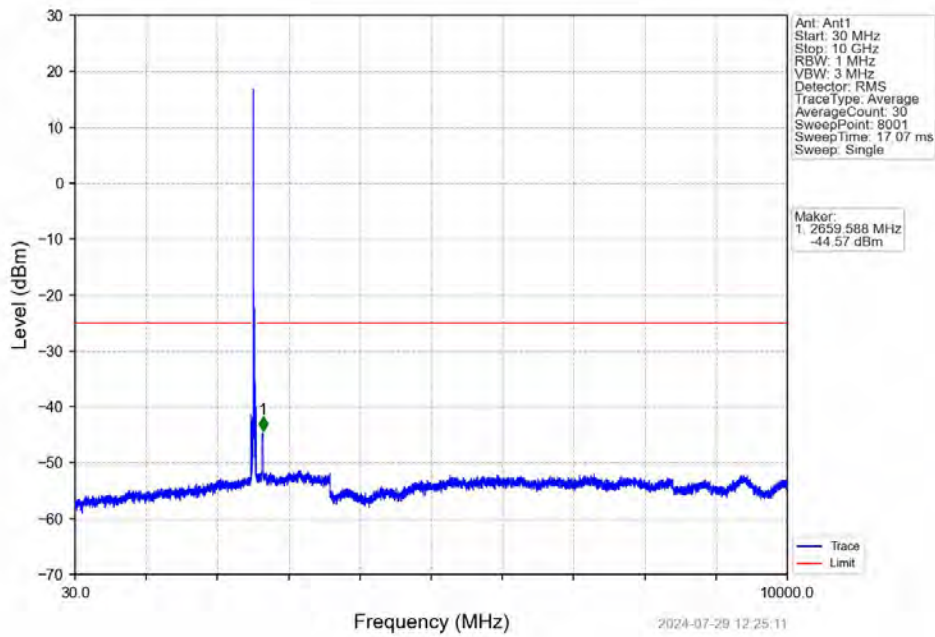
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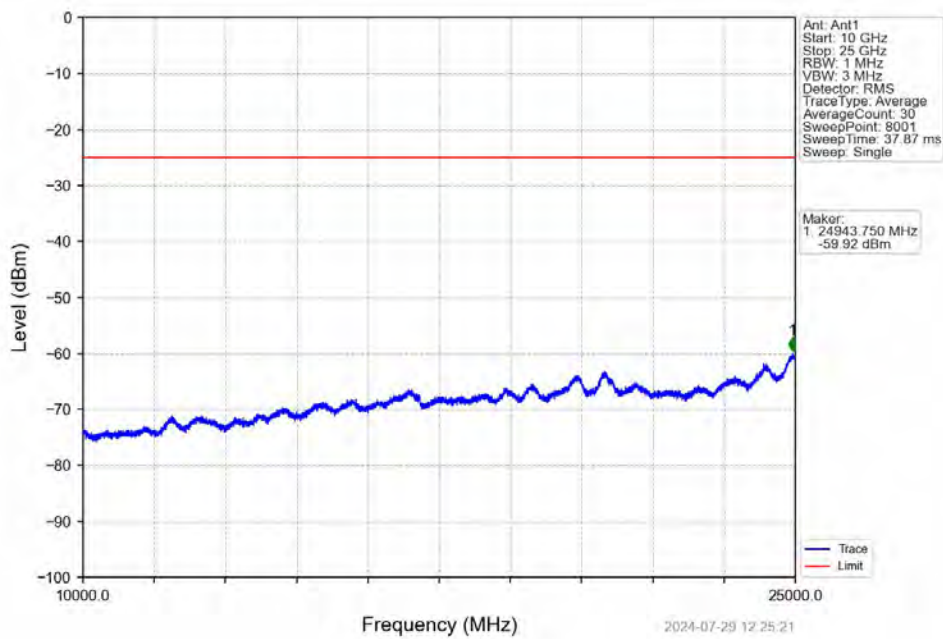
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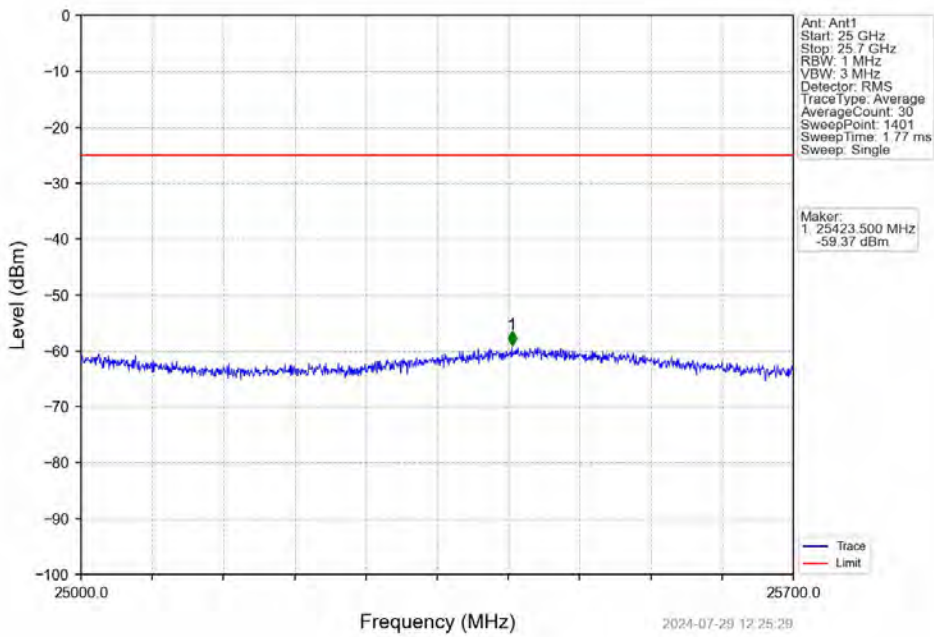
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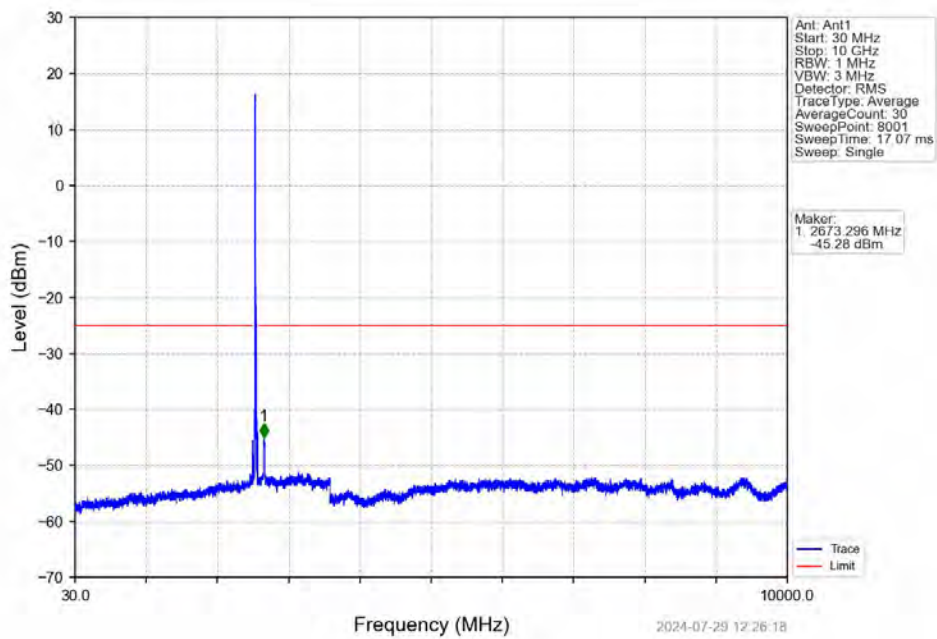
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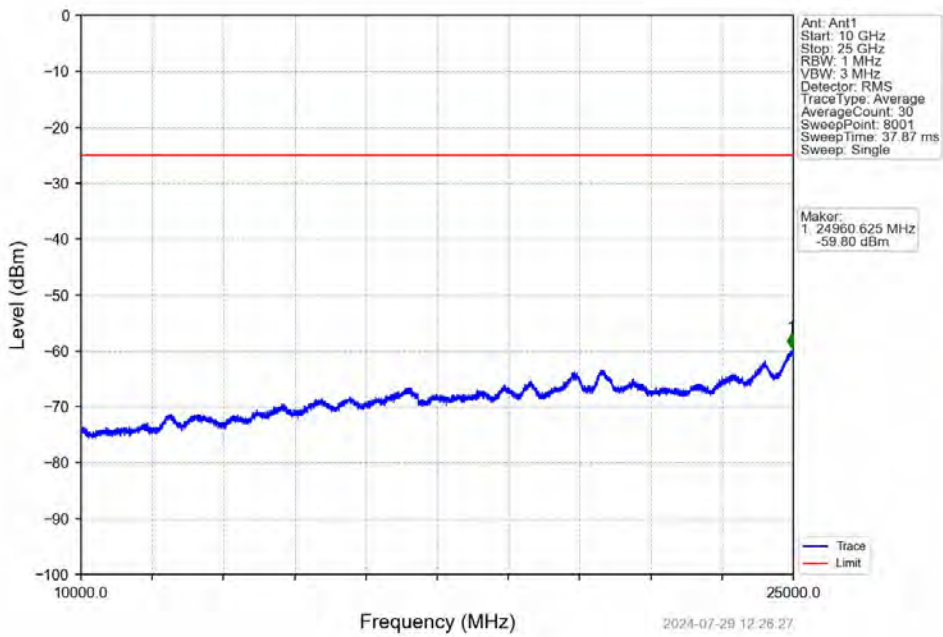
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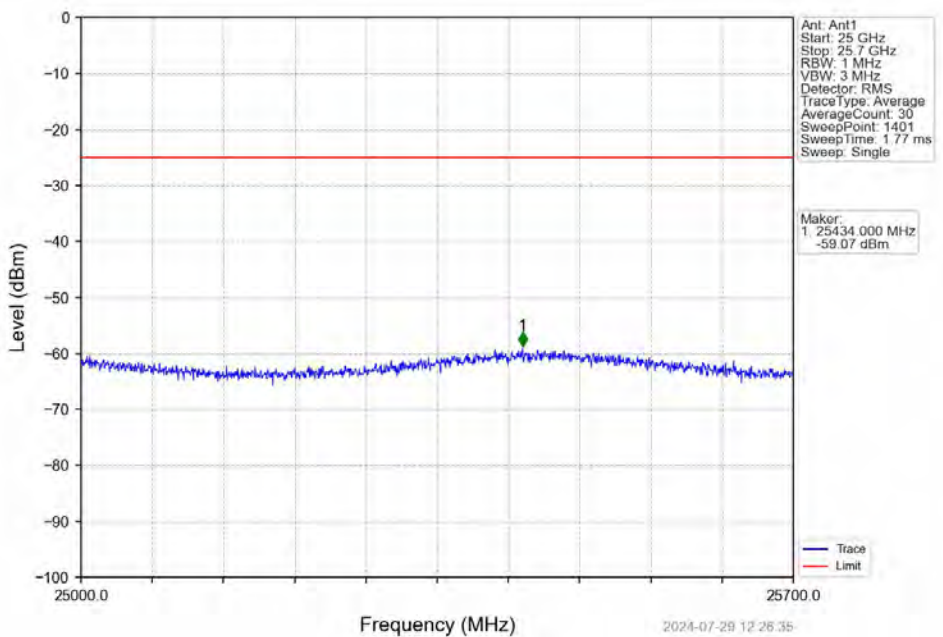
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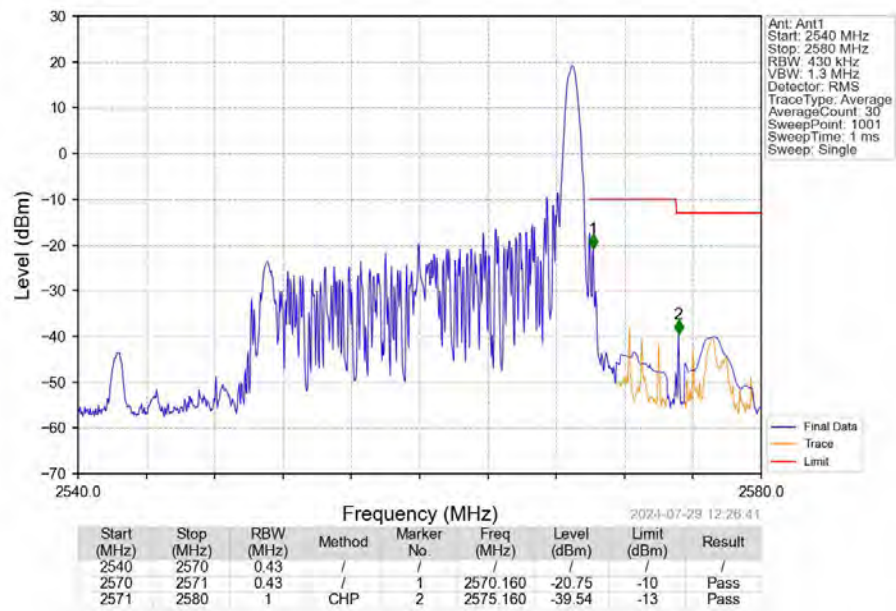
Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_1\_0\_NTNV



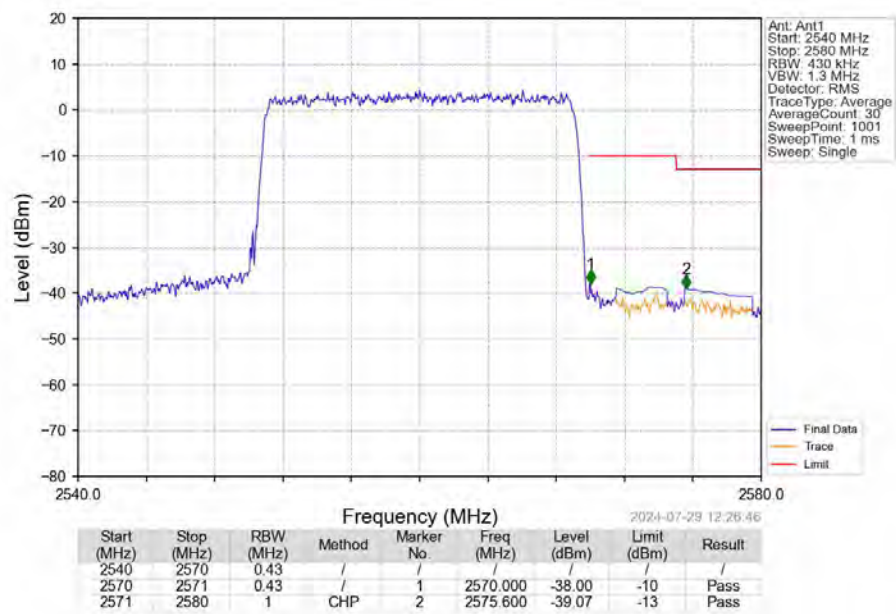
Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_1\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_1\_99\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



## 7. Form731

### 7.1 Test Result

#### 7.1.1 Form731\_Power

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 7    | 5  | 2502.5     | 2567.5    | 0.1236        | 0.0167 | ppm    | 4M57G7D             | 27M        | 20.92           |
| 7    | 5  | 2502.5     | 2567.5    | 0.1117        | 0.0187 | ppm    | 4M57W7D             | 27M        | 20.48           |
| 7    | 10 | 2505       | 2565      | 0.1230        | 0.0156 | ppm    | 9M08G7D             | 27M        | 20.90           |
| 7    | 10 | 2505       | 2565      | 0.1135        | 0.0166 | ppm    | 9M11W7D             | 27M        | 20.55           |
| 7    | 15 | 2507.5     | 2562.5    | 0.1202        | 0.0170 | ppm    | 13M6G7D             | 27M        | 20.80           |
| 7    | 15 | 2507.5     | 2562.5    | 0.1180        | 0.0148 | ppm    | 13M7W7D             | 27M        | 20.72           |
| 7    | 20 | 2510       | 2560      | 0.1262        | 0.0154 | ppm    | 18M1G7D             | 27M        | 21.01           |
| 7    | 20 | 2510       | 2560      | 0.1306        | 0.0168 | ppm    | 18M2W7D             | 27M        | 21.16           |

#### 7.1.2 Form731\_EIRP

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 7    | 5  | 2502.5     | 2567.5    | 0.1862        | 0.0167 | ppm    | 4M57G7D             | 27M        | 22.70           |
| 7    | 5  | 2502.5     | 2567.5    | 0.1683        | 0.0187 | ppm    | 4M57W7D             | 27M        | 22.26           |
| 7    | 10 | 2505       | 2565      | 0.1854        | 0.0156 | ppm    | 9M08G7D             | 27M        | 22.68           |
| 7    | 10 | 2505       | 2565      | 0.1710        | 0.0166 | ppm    | 9M11W7D             | 27M        | 22.33           |
| 7    | 15 | 2507.5     | 2562.5    | 0.1811        | 0.0170 | ppm    | 13M6G7D             | 27M        | 22.58           |
| 7    | 15 | 2507.5     | 2562.5    | 0.1778        | 0.0148 | ppm    | 13M7W7D             | 27M        | 22.50           |
| 7    | 20 | 2510       | 2560      | 0.1901        | 0.0154 | ppm    | 18M1G7D             | 27M        | 22.79           |
| 7    | 20 | 2510       | 2560      | 0.1968        | 0.0168 | ppm    | 18M2W7D             | 27M        | 22.94           |