

# 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      | 22.58                 | 3.58       | 26.16      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.63                 | 3.58       | 26.21      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.61                 | 3.58       | 26.19      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 21.65                 | 3.58       | 25.23      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 21.77                 | 3.58       | 25.35      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.73                 | 3.58       | 25.31      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.70                 | 3.58       | 25.28      | <=33.01 | Pass    |
|                                          | 2535            | 1             | 0      | 22.89                 | 3.58       | 26.47      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.56                 | 3.58       | 26.14      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.58                 | 3.58       | 26.16      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 21.62                 | 3.58       | 25.20      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 21.54                 | 3.58       | 25.12      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.73                 | 3.58       | 25.31      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.70                 | 3.58       | 25.28      | <=33.01 | Pass    |
|                                          | 2567.5          | 1             | 0      | 22.68                 | 3.58       | 26.26      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.84                 | 3.58       | 26.42      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.79                 | 3.58       | 26.37      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 22.03                 | 3.58       | 25.61      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 22.04                 | 3.58       | 25.62      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.04                 | 3.58       | 25.62      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.94                 | 3.58       | 25.52      | <=33.01 | Pass    |
| 16QAM                                    | 2502.5          | 1             | 0      | 21.33                 | 3.58       | 24.91      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.49                 | 3.58       | 25.07      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 21.50                 | 3.58       | 25.08      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 20.77                 | 3.58       | 24.35      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 20.93                 | 3.58       | 24.51      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.97                 | 3.58       | 24.55      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 20.96                 | 3.58       | 24.54      | <=33.01 | Pass    |
|                                          | 2535            | 1             | 0      | 21.69                 | 3.58       | 25.27      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.67                 | 3.58       | 25.25      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 21.65                 | 3.58       | 25.23      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 20.68                 | 3.58       | 24.26      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 20.88                 | 3.58       | 24.46      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.82                 | 3.58       | 24.40      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 20.92                 | 3.58       | 24.50      | <=33.01 | Pass    |
|                                          | 2567.5          | 1             | 0      | 22.15                 | 3.58       | 25.73      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.15                 | 3.58       | 25.73      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.29                 | 3.58       | 25.87      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 21.15                 | 3.58       | 24.73      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 21.10                 | 3.58       | 24.68      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.16                 | 3.58       | 24.74      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.15                 | 3.58       | 24.73      | <=33.01 | Pass    |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |

### 1.1.2 B7\_10MHz\_EIRP

| Band: 7 / Bandwidth: 10MHz / NTV         |                 |               |        |                       |            |            |         |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                                     | 2505            | 1             | 0      | 22.66                 | 3.58       | 26.24      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 22.61                 | 3.58       | 26.19      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 22.70                 | 3.58       | 26.28      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.87                 | 3.58       | 25.45      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.82                 | 3.58       | 25.40      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 21.97                 | 3.58       | 25.55      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 21.64                 | 3.58       | 25.22      | <=33.01 | Pass    |
|                                          | 2535            | 1             | 0      | 22.80                 | 3.58       | 26.38      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 22.77                 | 3.58       | 26.35      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 22.65                 | 3.58       | 26.23      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.81                 | 3.58       | 25.39      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.62                 | 3.58       | 25.20      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 21.67                 | 3.58       | 25.25      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 21.64                 | 3.58       | 25.22      | <=33.01 | Pass    |
|                                          | 2565            | 1             | 0      | 22.89                 | 3.58       | 26.47      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 23.07                 | 3.58       | 26.65      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 23.19                 | 3.58       | 26.77      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.99                 | 3.58       | 25.57      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.02                 | 3.58       | 25.60      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 22.09                 | 3.58       | 25.67      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 22.13                 | 3.58       | 25.71      | <=33.01 | Pass    |
| 16QAM                                    | 2505            | 1             | 0      | 21.80                 | 3.58       | 25.38      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 21.78                 | 3.58       | 25.36      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 21.76                 | 3.58       | 25.34      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 20.92                 | 3.58       | 24.50      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.93                 | 3.58       | 24.51      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 20.97                 | 3.58       | 24.55      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 20.80                 | 3.58       | 24.38      | <=33.01 | Pass    |
|                                          | 2535            | 1             | 0      | 21.96                 | 3.58       | 25.54      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 21.75                 | 3.58       | 25.33      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 21.69                 | 3.58       | 25.27      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 20.92                 | 3.58       | 24.50      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.81                 | 3.58       | 24.39      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 20.72                 | 3.58       | 24.30      | <=33.01 | Pass    |
|                                          |                 | 50            | 0      | 20.88                 | 3.58       | 24.46      | <=33.01 | Pass    |
|                                          | 2565            | 1             | 0      | 21.48                 | 3.58       | 25.06      | <=33.01 | Pass    |
|                                          |                 |               | 25     | 21.59                 | 3.58       | 25.17      | <=33.01 | Pass    |
|                                          |                 |               | 49     | 21.64                 | 3.58       | 25.22      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.08                 | 3.58       | 24.66      | <=33.01 | Pass    |
| 13                                       |                 |               | 21.23  | 3.58                  | 24.81      | <=33.01    | Pass    |         |
| 25                                       |                 |               | 21.29  | 3.58                  | 24.87      | <=33.01    | Pass    |         |
| 50                                       |                 | 0             | 21.14  | 3.58                  | 24.72      | <=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      | 22.64                 | 3.58       | 26.22      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.62                 | 3.58       | 26.20      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.80                 | 3.58       | 26.38      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 2535   | 36 | 0  | 21.82 | 3.58 | 25.40 | <=33.01 | Pass |
|       |        |    | 18 | 21.83 | 3.58 | 25.41 | <=33.01 | Pass |
|       |        |    | 39 | 21.79 | 3.58 | 25.37 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.92 | 3.58 | 25.50 | <=33.01 | Pass |
|       |        | 1  | 0  | 22.80 | 3.58 | 26.38 | <=33.01 | Pass |
|       |        |    | 38 | 22.63 | 3.58 | 26.21 | <=33.01 | Pass |
|       |        |    | 74 | 22.52 | 3.58 | 26.10 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.71 | 3.58 | 25.29 | <=33.01 | Pass |
|       |        |    | 18 | 21.65 | 3.58 | 25.23 | <=33.01 | Pass |
|       |        |    | 39 | 21.73 | 3.58 | 25.31 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.55 | 3.58 | 25.13 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 22.77 | 3.58 | 26.35 | <=33.01 | Pass |
|       |        |    | 38 | 22.95 | 3.58 | 26.53 | <=33.01 | Pass |
|       |        |    | 74 | 23.03 | 3.58 | 26.61 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.97 | 3.58 | 25.55 | <=33.01 | Pass |
|       |        |    | 18 | 21.91 | 3.58 | 25.49 | <=33.01 | Pass |
|       |        |    | 39 | 22.04 | 3.58 | 25.62 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.90 | 3.58 | 25.48 | <=33.01 | Pass |
|       | 2507.5 | 1  | 0  | 21.76 | 3.58 | 25.34 | <=33.01 | Pass |
|       |        |    | 38 | 21.91 | 3.58 | 25.49 | <=33.01 | Pass |
|       |        |    | 74 | 22.02 | 3.58 | 25.60 | <=33.01 | Pass |
|       |        | 36 | 0  | 20.97 | 3.58 | 24.55 | <=33.01 | Pass |
|       |        |    | 18 | 21.05 | 3.58 | 24.63 | <=33.01 | Pass |
|       |        |    | 39 | 20.95 | 3.58 | 24.53 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.02 | 3.58 | 24.60 | <=33.01 | Pass |
|       |        | 1  | 0  | 22.23 | 3.58 | 25.81 | <=33.01 | Pass |
|       |        |    | 38 | 21.91 | 3.58 | 25.49 | <=33.01 | Pass |
|       |        |    | 74 | 21.92 | 3.58 | 25.50 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.00 | 3.58 | 24.58 | <=33.01 | Pass |
|       |        |    | 18 | 20.75 | 3.58 | 24.33 | <=33.01 | Pass |
|       |        |    | 39 | 20.66 | 3.58 | 24.24 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.73 | 3.58 | 24.31 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 22.13 | 3.58 | 25.71 | <=33.01 | Pass |
|       |        |    | 38 | 22.21 | 3.58 | 25.79 | <=33.01 | Pass |
|       |        |    | 74 | 22.50 | 3.58 | 26.08 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.03 | 3.58 | 24.61 | <=33.01 | Pass |
|       |        |    | 18 | 21.11 | 3.58 | 24.69 | <=33.01 | Pass |
|       |        |    | 39 | 21.10 | 3.58 | 24.68 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.15 | 3.58 | 24.73 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTNv |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2510            | 1             | 0      | 22.72                 | 3.58       | 26.30      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.91                 | 3.58       | 26.49      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.82                 | 3.58       | 26.40      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.90                 | 3.58       | 25.48      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.94                 | 3.58       | 25.52      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.90                 | 3.58       | 25.48      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.77                 | 3.58       | 25.35      | <=33.01 | Pass    |
|                                   | 2535            | 1             | 0      | 22.85                 | 3.58       | 26.43      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.70                 | 3.58       | 26.28      | <=33.01 | Pass    |

|                                          |      |      |       |       |       |         |         |         |      |
|------------------------------------------|------|------|-------|-------|-------|---------|---------|---------|------|
|                                          |      | 50   | 99    | 22.51 | 3.58  | 26.09   | <=33.01 | Pass    |      |
|                                          |      |      | 0     | 21.93 | 3.58  | 25.51   | <=33.01 | Pass    |      |
|                                          |      |      | 25    | 21.73 | 3.58  | 25.31   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 21.67 | 3.58  | 25.25   | <=33.01 | Pass    |      |
|                                          |      | 100  | 0     | 21.52 | 3.58  | 25.10   | <=33.01 | Pass    |      |
|                                          | 2560 | 1    | 0     | 22.94 | 3.58  | 26.52   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 23.02 | 3.58  | 26.60   | <=33.01 | Pass    |      |
|                                          |      |      | 99    | 23.19 | 3.58  | 26.77   | <=33.01 | Pass    |      |
|                                          |      | 50   | 0     | 21.79 | 3.58  | 25.37   | <=33.01 | Pass    |      |
|                                          |      |      | 25    | 21.90 | 3.58  | 25.48   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 21.94 | 3.58  | 25.52   | <=33.01 | Pass    |      |
|                                          |      | 100  | 0     | 21.84 | 3.58  | 25.42   | <=33.01 | Pass    |      |
| 16QAM                                    |      | 2510 | 1     | 0     | 21.65 | 3.58    | 25.23   | <=33.01 | Pass |
|                                          |      |      |       | 50    | 21.91 | 3.58    | 25.49   | <=33.01 | Pass |
|                                          | 99   |      |       | 21.93 | 3.58  | 25.51   | <=33.01 | Pass    |      |
|                                          | 50   |      | 0     | 20.91 | 3.58  | 24.49   | <=33.01 | Pass    |      |
|                                          |      |      | 25    | 21.06 | 3.58  | 24.64   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 21.14 | 3.58  | 24.72   | <=33.01 | Pass    |      |
|                                          | 100  |      | 0     | 20.99 | 3.58  | 24.57   | <=33.01 | Pass    |      |
|                                          | 2535 | 1    | 0     | 22.46 | 3.58  | 26.04   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 22.37 | 3.58  | 25.95   | <=33.01 | Pass    |      |
|                                          |      |      | 99    | 22.34 | 3.58  | 25.92   | <=33.01 | Pass    |      |
|                                          |      | 50   | 0     | 21.12 | 3.58  | 24.70   | <=33.01 | Pass    |      |
|                                          |      |      | 25    | 21.01 | 3.58  | 24.59   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 20.84 | 3.58  | 24.42   | <=33.01 | Pass    |      |
|                                          |      | 100  | 0     | 20.67 | 3.58  | 24.25   | <=33.01 | Pass    |      |
|                                          | 2560 | 1    | 0     | 22.08 | 3.58  | 25.66   | <=33.01 | Pass    |      |
|                                          |      |      | 50    | 22.09 | 3.58  | 25.67   | <=33.01 | Pass    |      |
|                                          |      |      | 99    | 22.41 | 3.58  | 25.99   | <=33.01 | Pass    |      |
|                                          |      | 50   | 0     | 20.88 | 3.58  | 24.46   | <=33.01 | Pass    |      |
| 25                                       |      |      | 20.91 | 3.58  | 24.49 | <=33.01 | Pass    |         |      |
| 50                                       |      |      | 21.01 | 3.58  | 24.59 | <=33.01 | Pass    |         |      |
| 100                                      |      | 0    | 21.01 | 3.58  | 24.59 | <=33.01 | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |      |      |       |       |       |         |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 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                       | 2535            | 50            | 0      | 20         | 3.40          | -0.114           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.60          | -32.859          | -0.0130               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.20          | -41.943          | -0.0165               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.60          | -10.657          | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.60          | -5.708           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.60          | -5.236           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.60          | -3.977           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.60          | -1.230           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.60          | 2.689            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.60          | 6.065            | 0.0024                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.60          | 9.384            | 0.0037                | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band7\_OBW

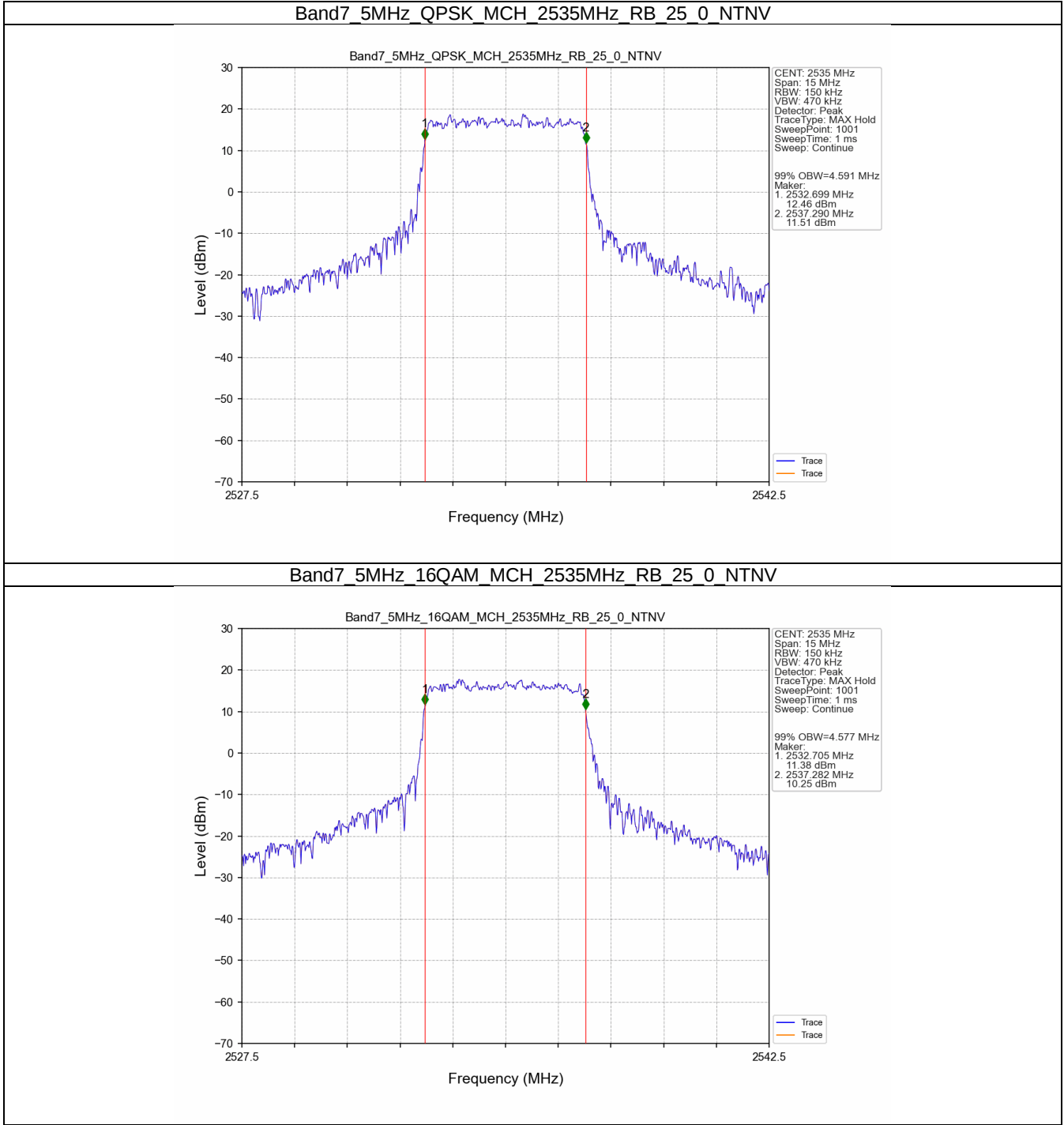
| Band: 7 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2535            | 25            | 0      | 4.591                        | /     | Pass    |
|                 | 16QAM      | 2535            | 25            | 0      | 4.577                        | /     | Pass    |
| 10              | QPSK       | 2535            | 50            | 0      | 9.081                        | /     | Pass    |
|                 | 16QAM      | 2535            | 50            | 0      | 9.068                        | /     | Pass    |
| 15              | QPSK       | 2535            | 75            | 0      | 13.624                       | /     | Pass    |
|                 | 16QAM      | 2535            | 75            | 0      | 13.633                       | /     | Pass    |
| 20              | QPSK       | 2535            | 100           | 0      | 18.192                       | /     | Pass    |
|                 | 16QAM      | 2535            | 100           | 0      | 18.225                       | /     | Pass    |

##### 3.1.2 Band7\_XDB

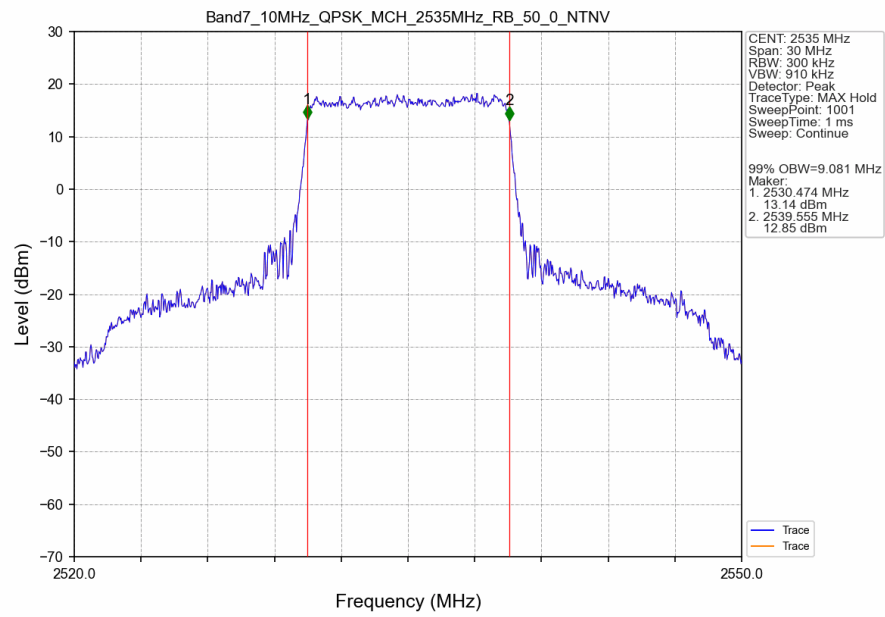
| Band: 7 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2535            | 25            | 0      | 5.625                | /     | Pass    |
|                 | 16QAM      | 2535            | 25            | 0      | 5.703                | /     | Pass    |
| 10              | QPSK       | 2535            | 50            | 0      | 10.335               | /     | Pass    |
|                 | 16QAM      | 2535            | 50            | 0      | 10.448               | /     | Pass    |
| 15              | QPSK       | 2535            | 75            | 0      | 15.582               | /     | Pass    |
|                 | 16QAM      | 2535            | 75            | 0      | 15.637               | /     | Pass    |
| 20              | QPSK       | 2535            | 100           | 0      | 20.175               | /     | Pass    |
|                 | 16QAM      | 2535            | 100           | 0      | 20.443               | /     | Pass    |

3.2 Test Graph

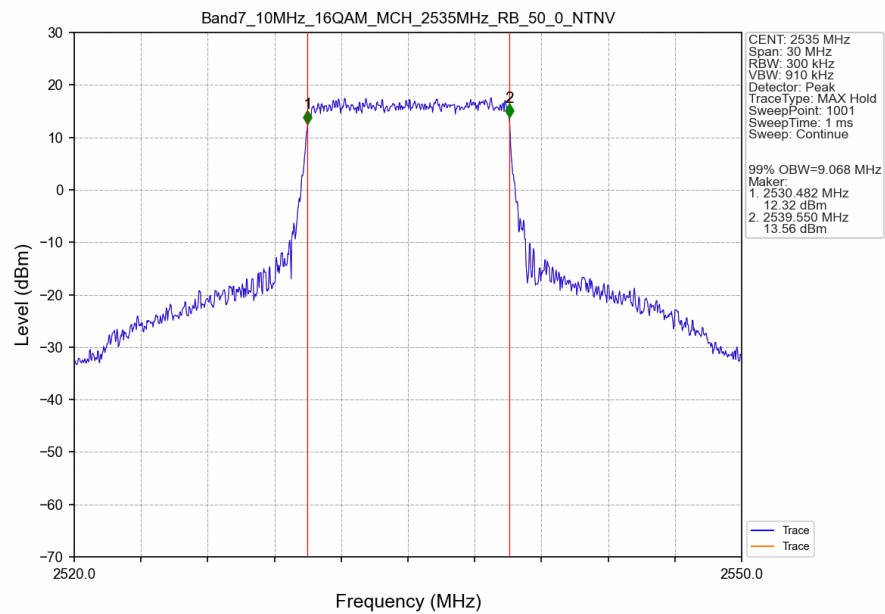
3.2.1 Band7\_OBW



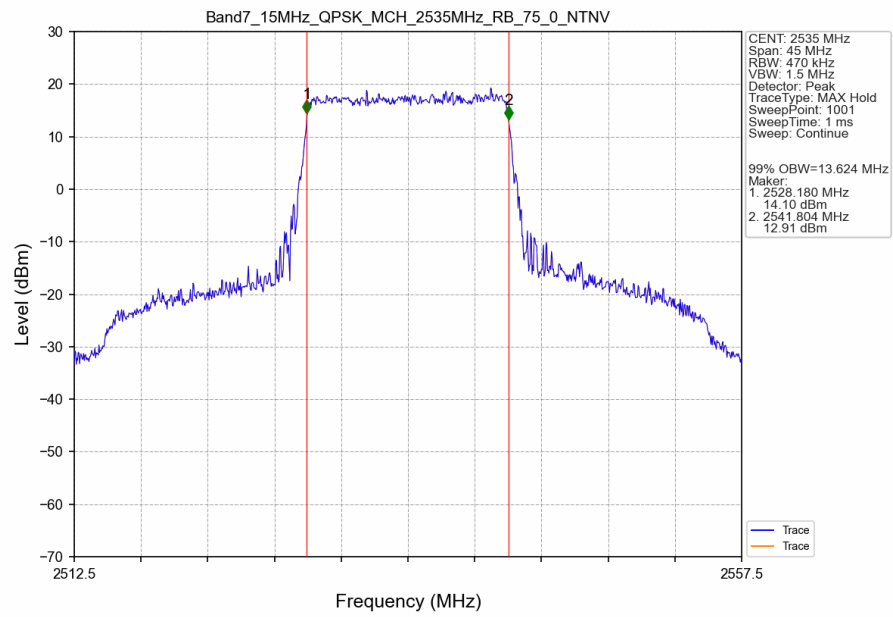
# Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



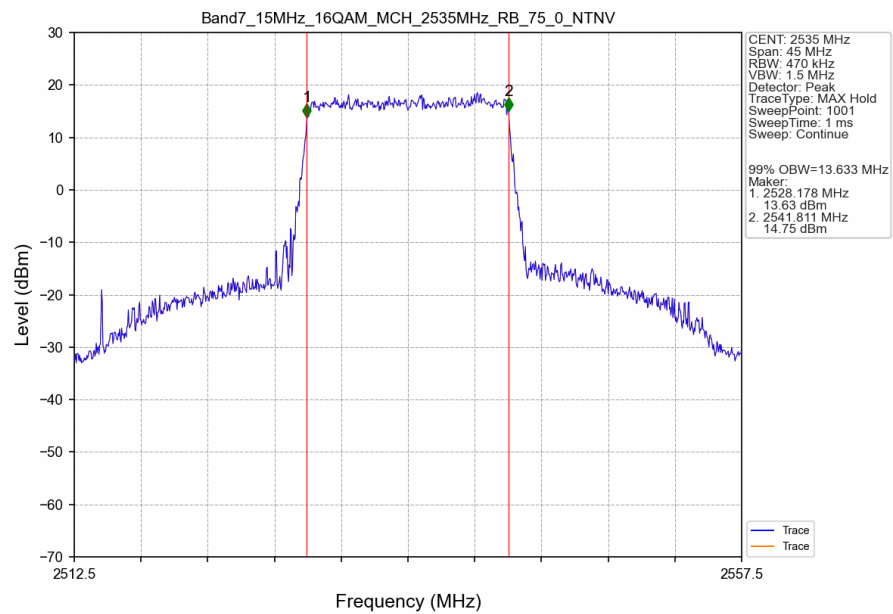
# Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



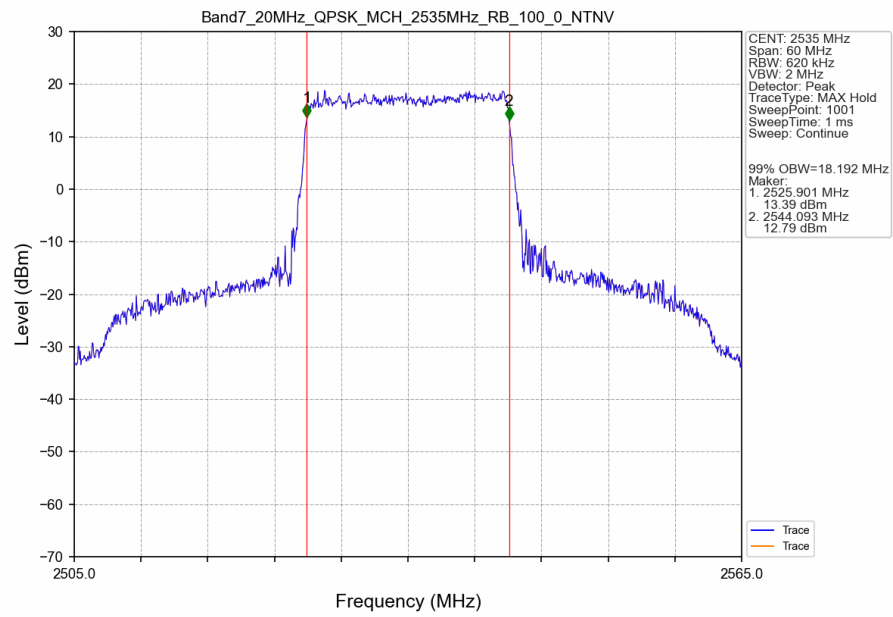
# Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



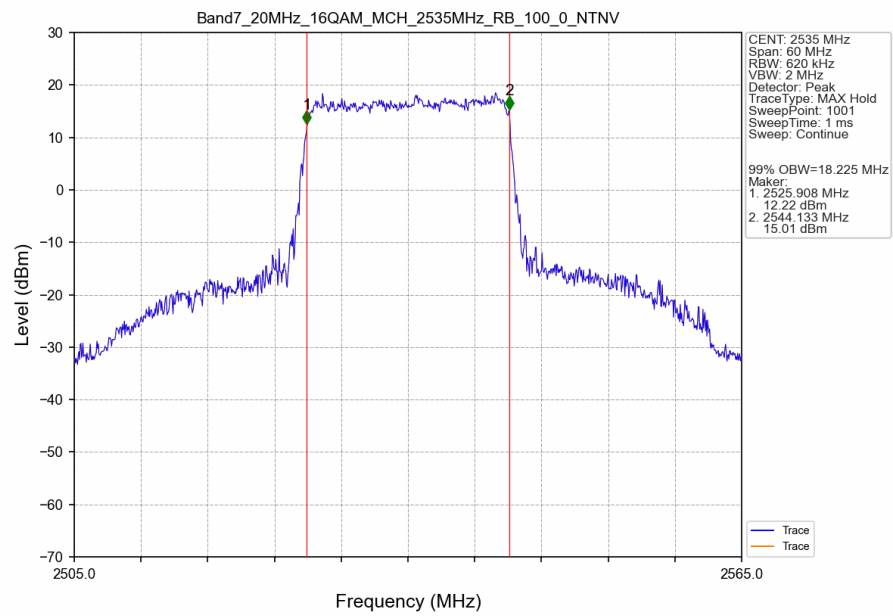
# Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



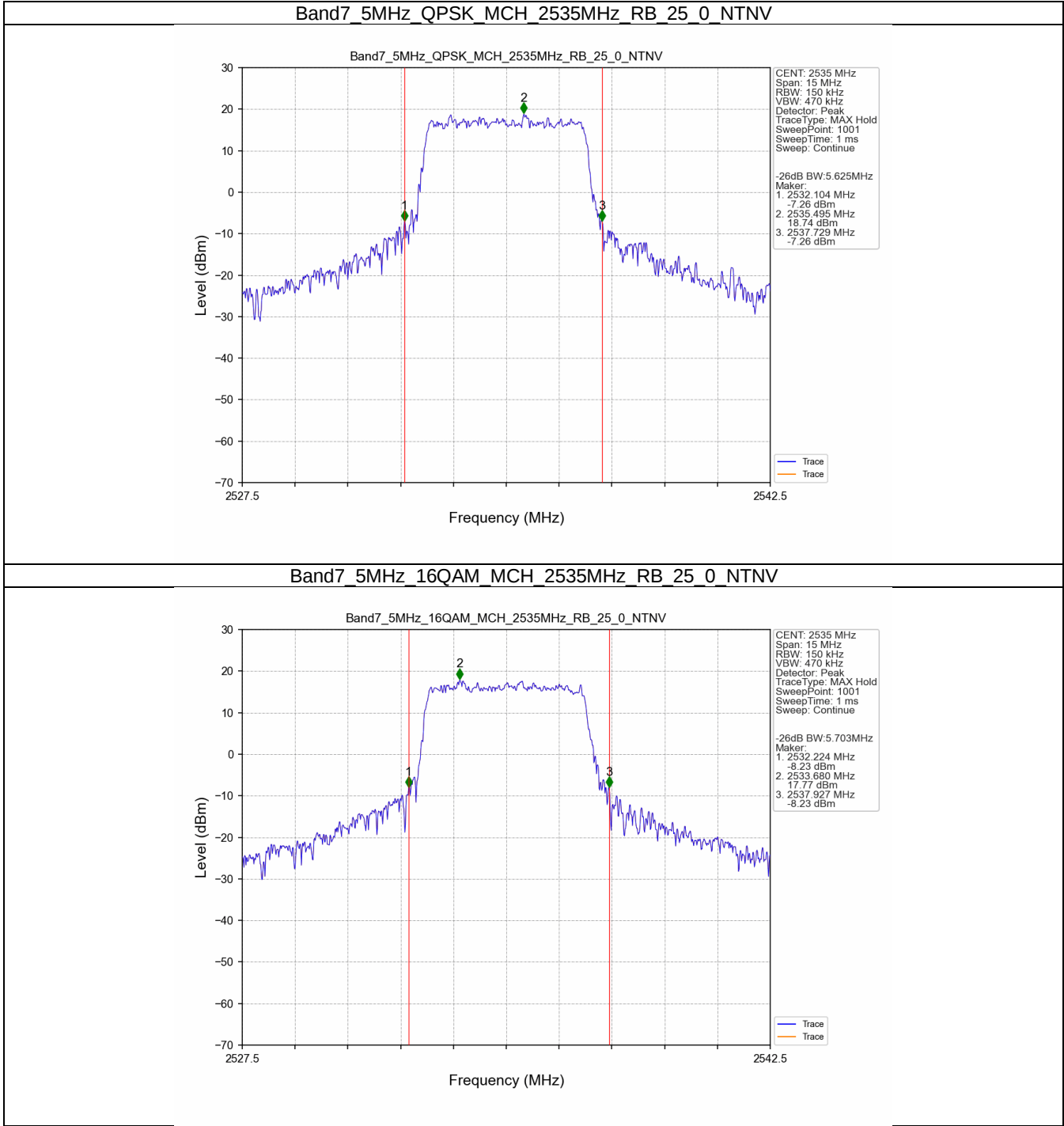
# Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



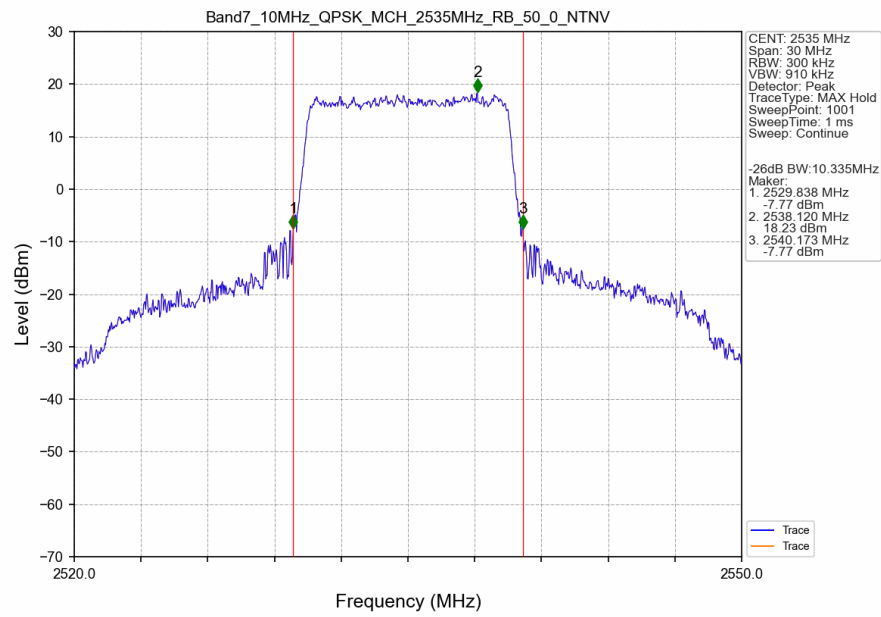
# Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



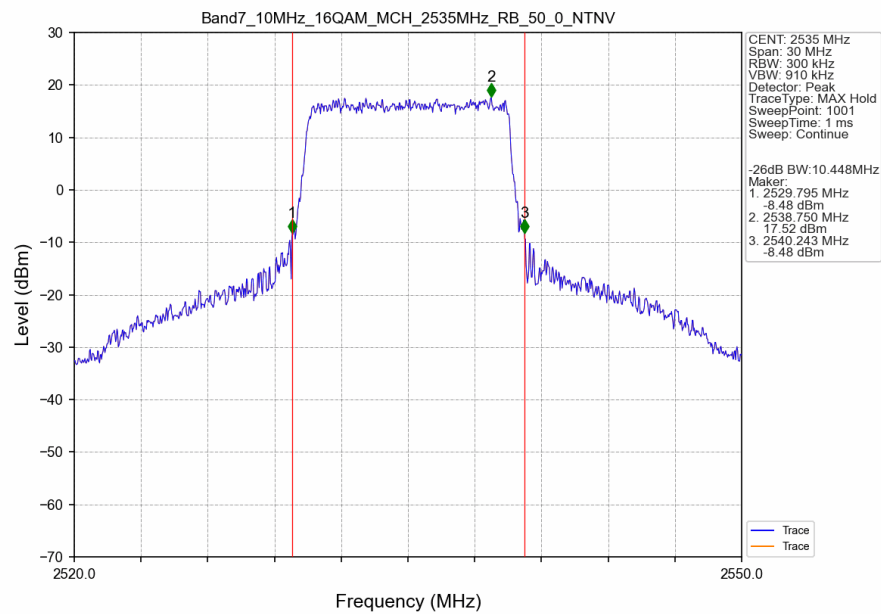
3.2.2 Band7\_XDB



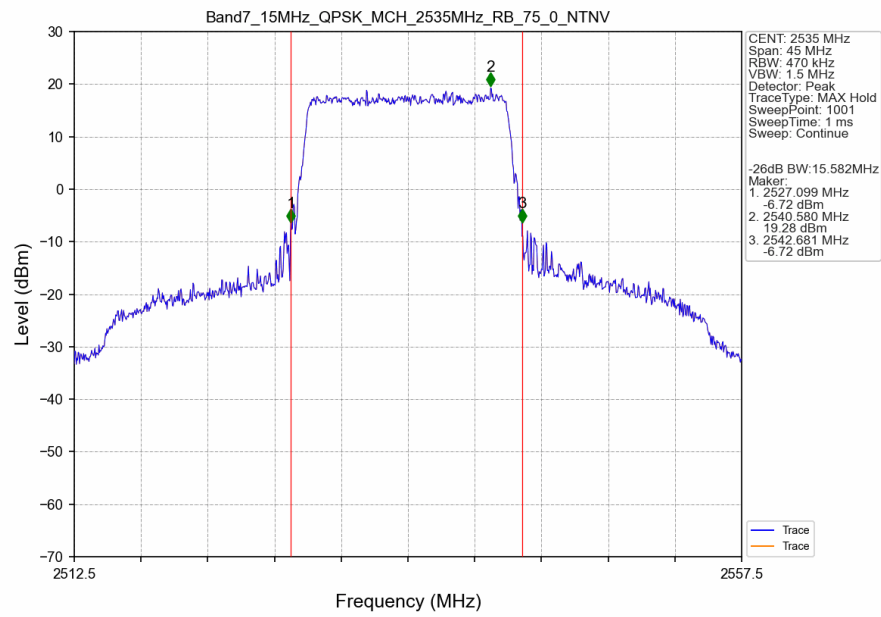
# Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



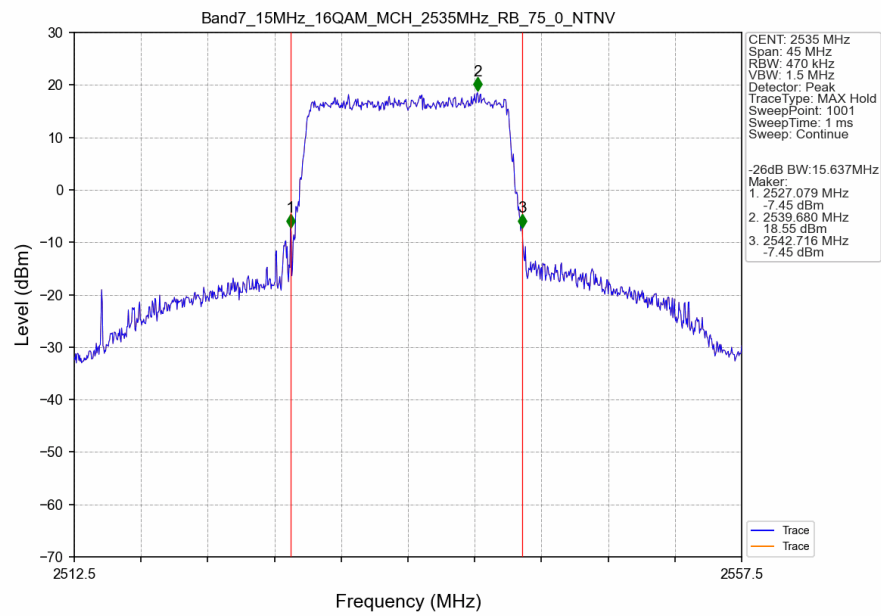
# Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



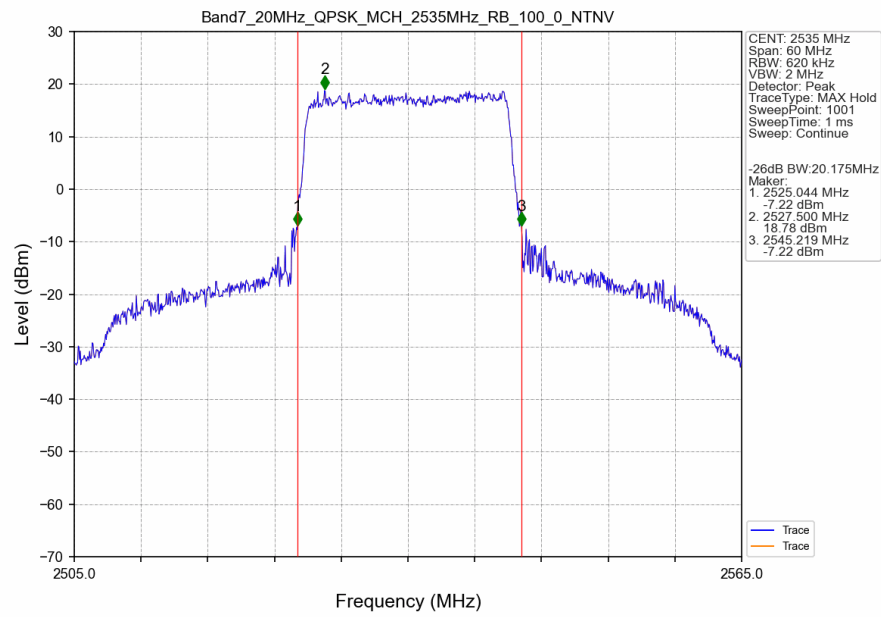
# Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



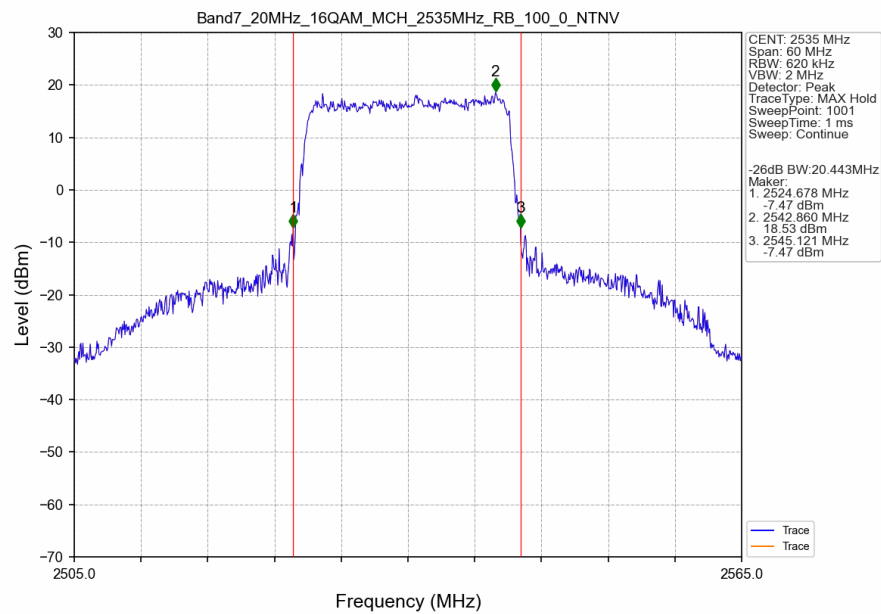
# Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



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



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



## 4. Peak-Average Ratio

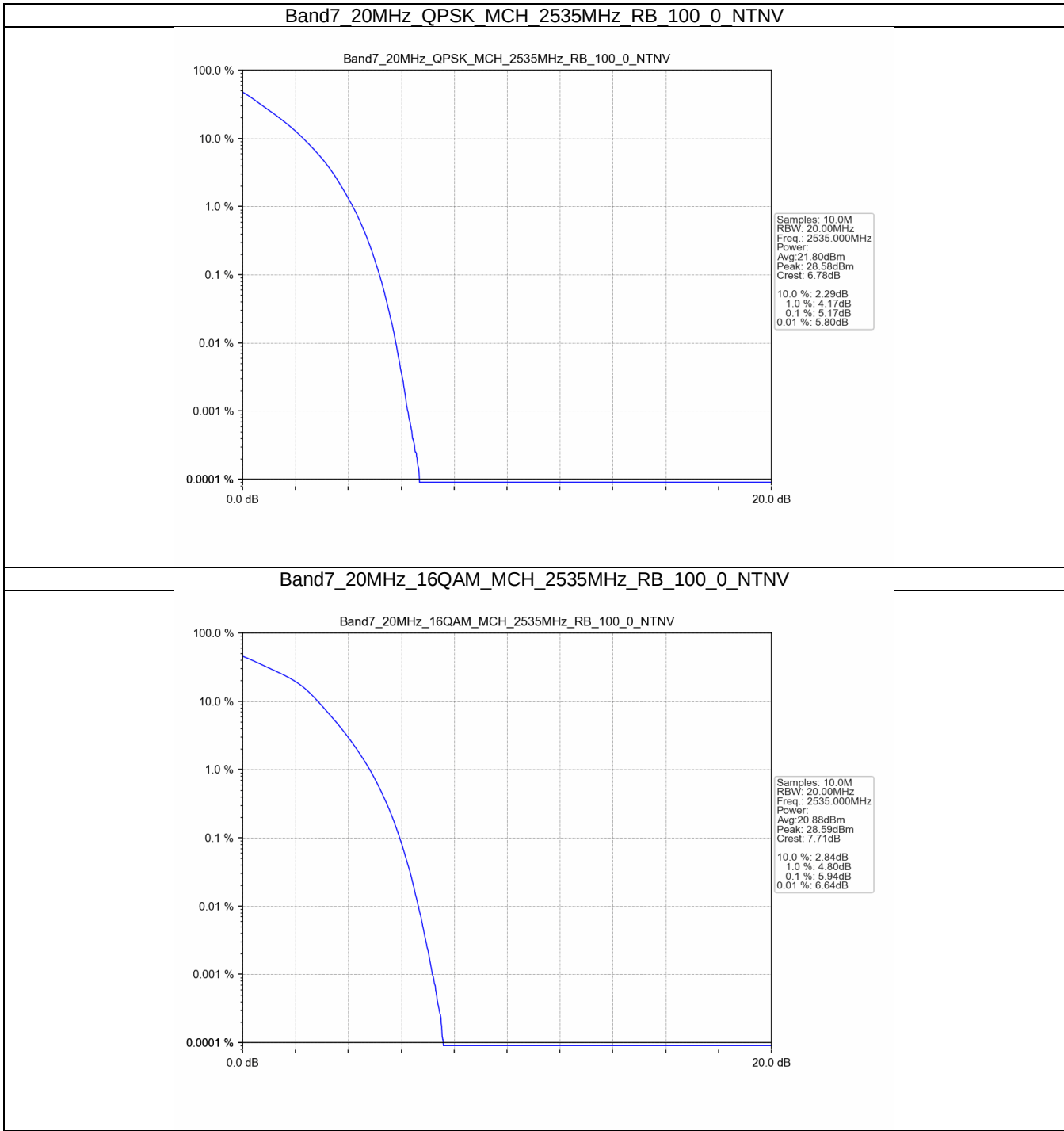
### 4.1 Test Result

#### 4.1.1 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|-----------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2535               | 100           | 0      | 5.17                    | <=13  | Pass    |
| 16QAM                             | 2535               | 100           | 0      | 5.94                    | <=13  | Pass    |

## 4.2 Test Graph

### 4.2.1 B7\_20MHz



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 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    |
|                                  | 2567.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
|                                  | 2565            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 B7\_15MHz

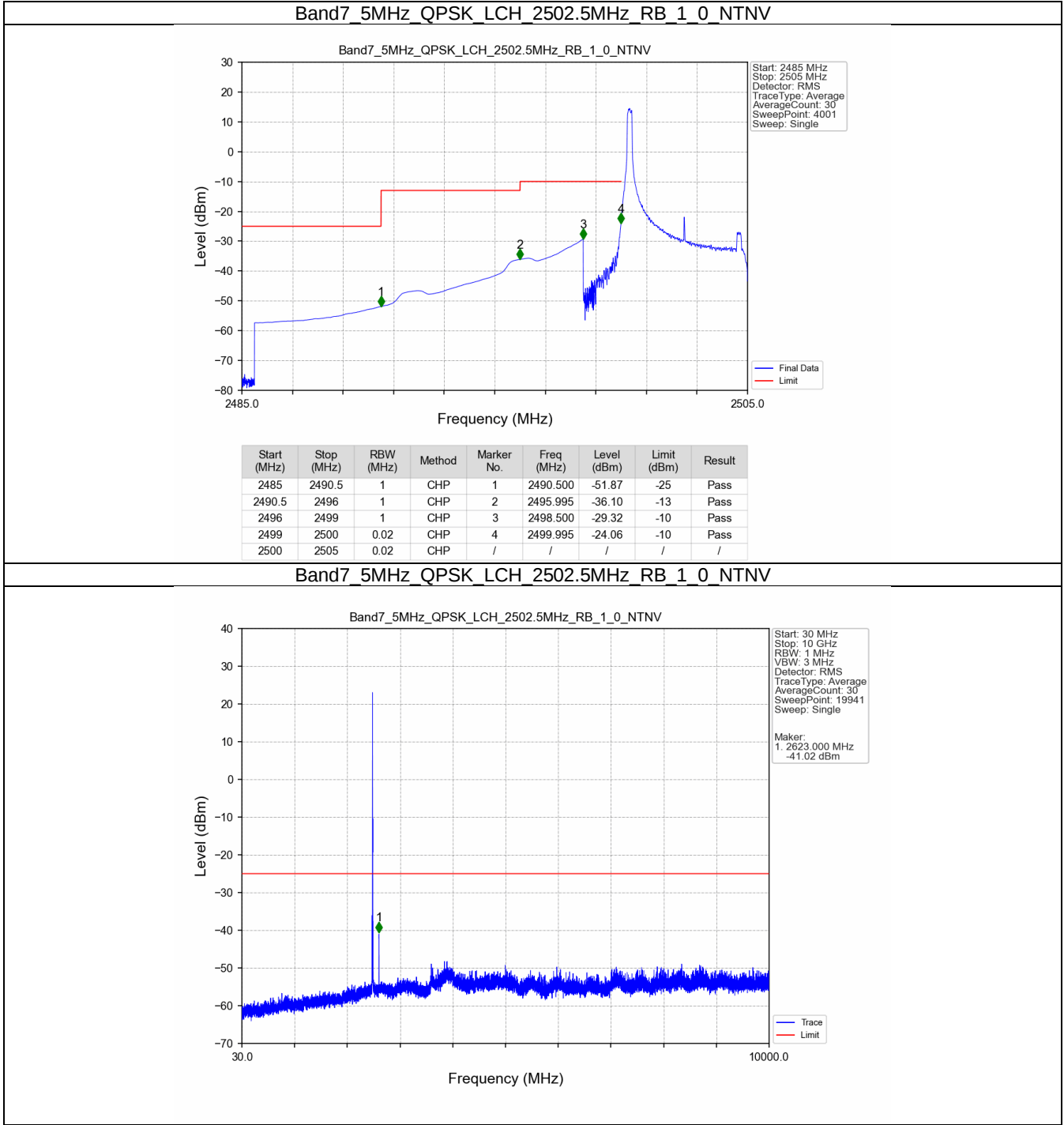
| Band: 7 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | 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    |
|                                  | 2562.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                  |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.4 B7\_20MHz

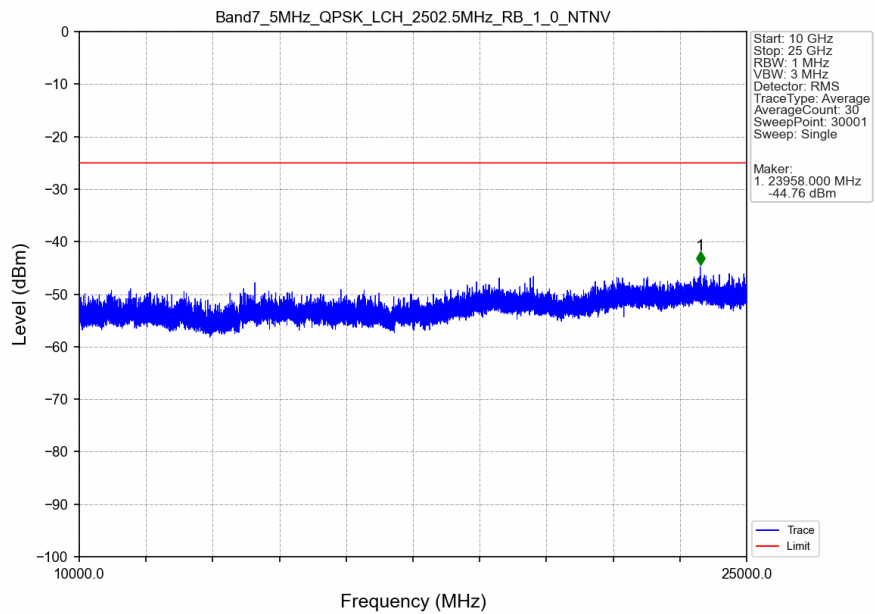
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB 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    |

5.2 Test Graph

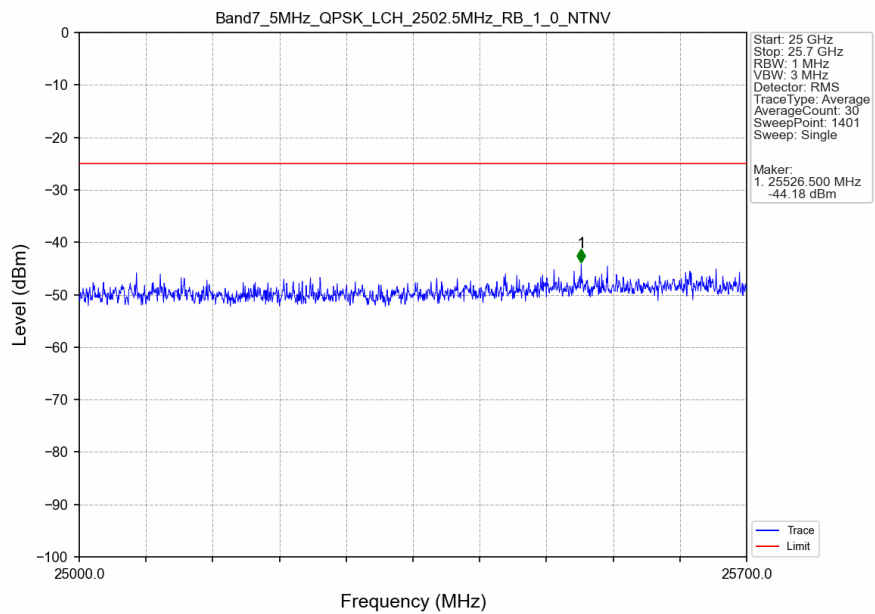
5.2.1 B7\_5MHz



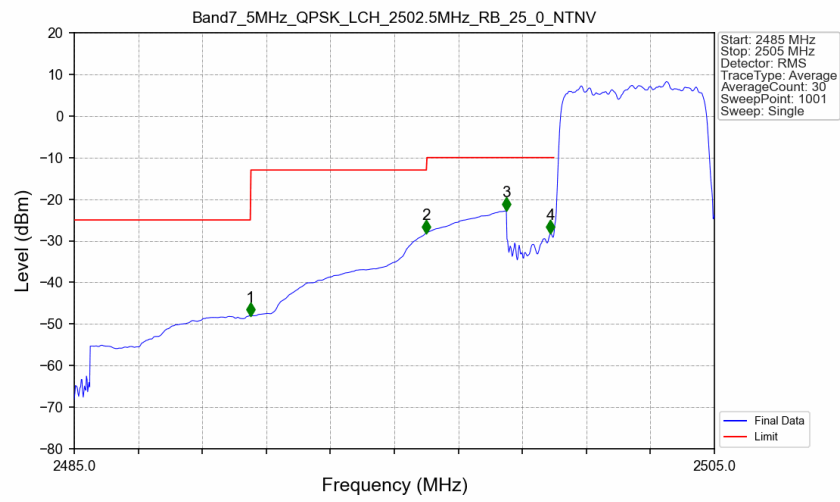
# Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



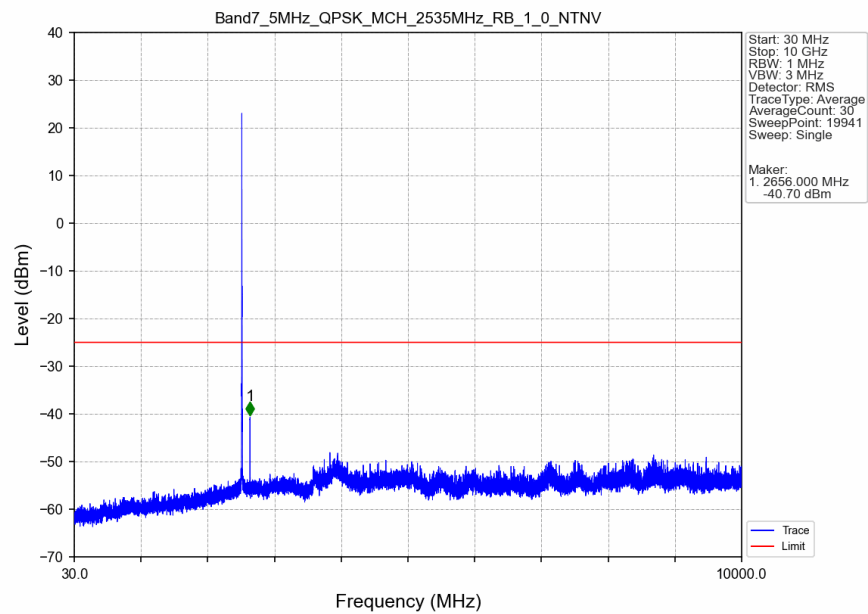
# Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



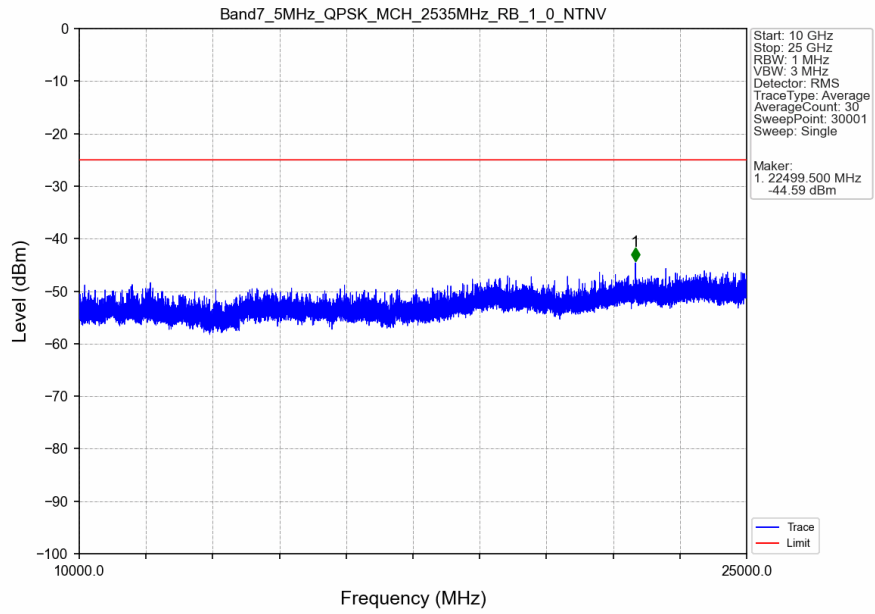
### Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



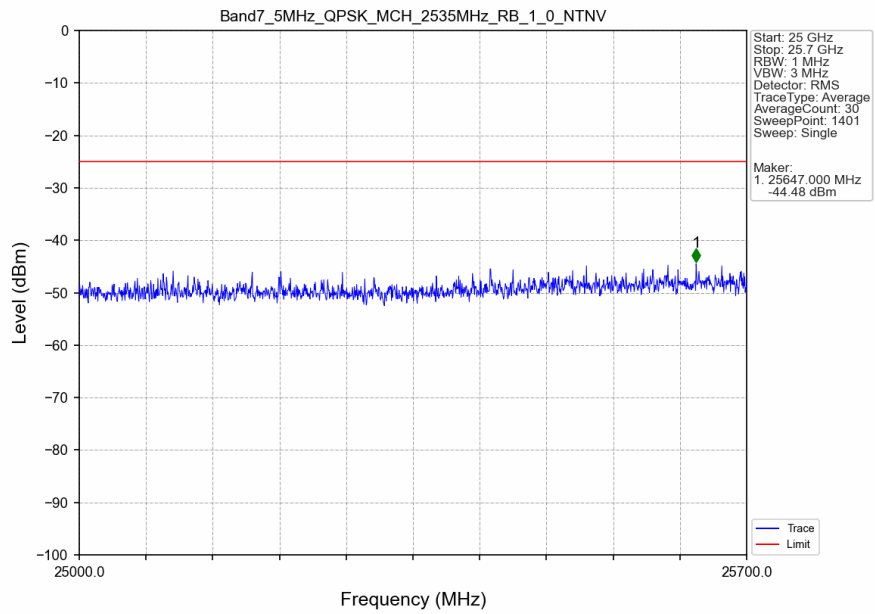
### Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



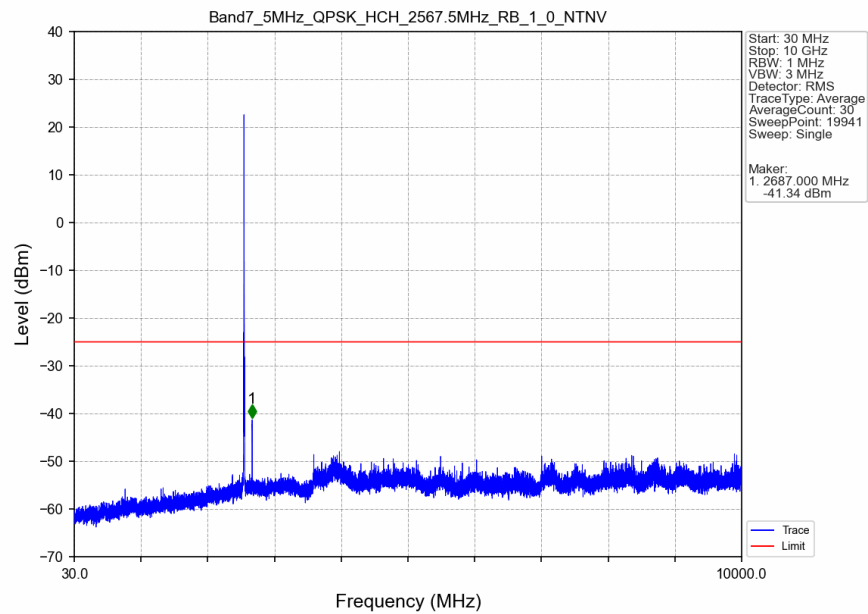
# Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



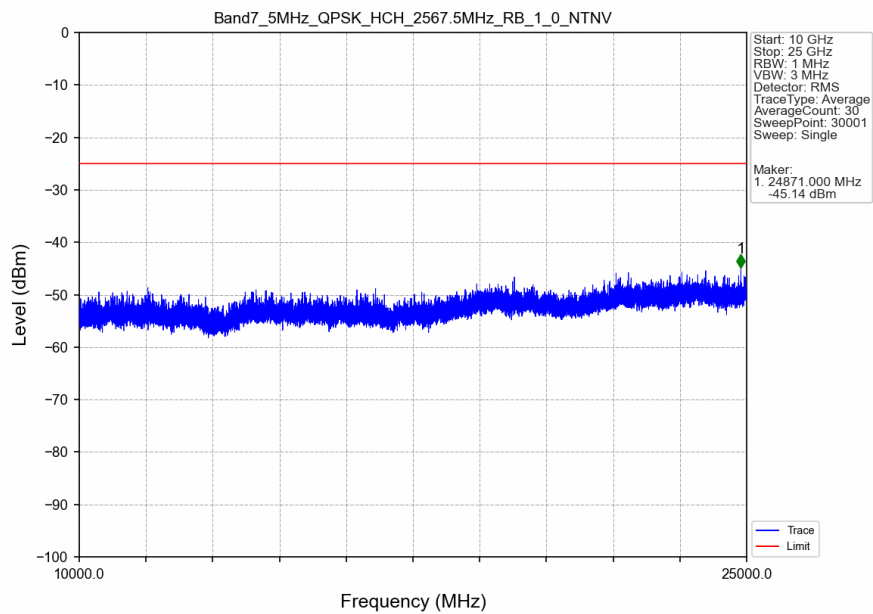
# Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



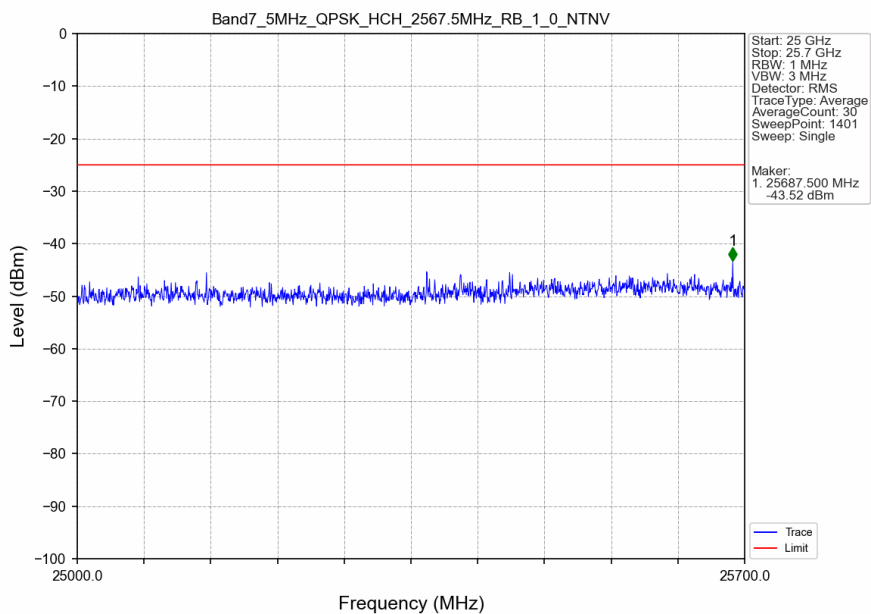
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



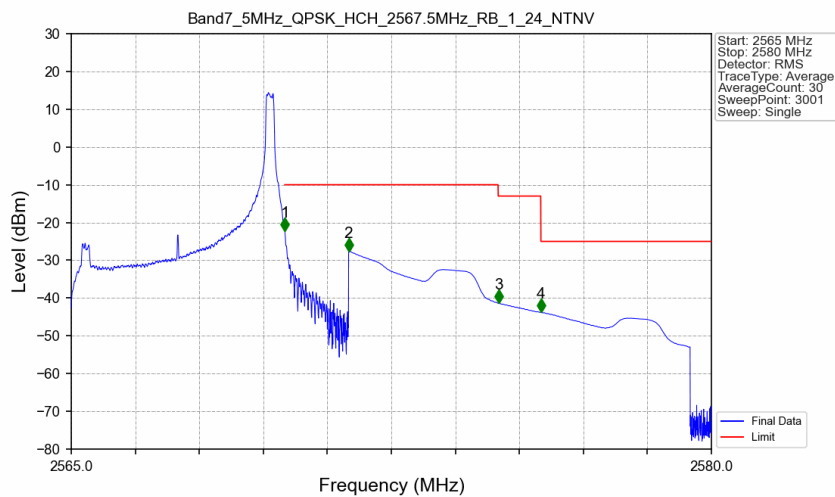
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



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

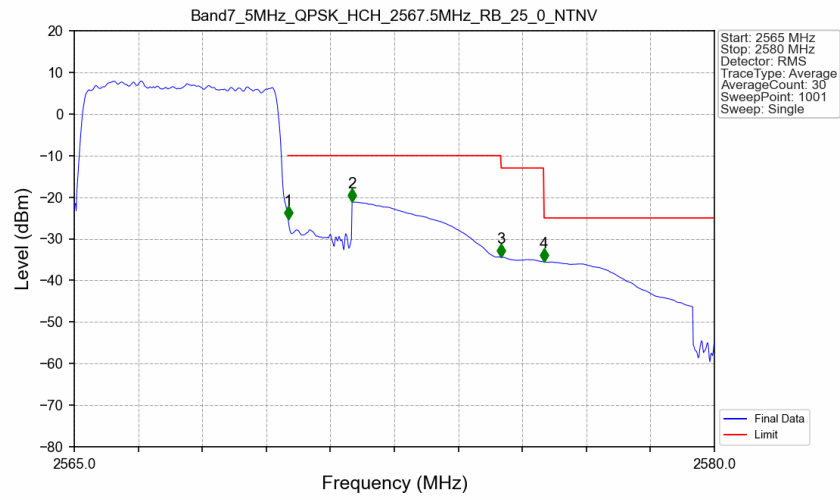


# Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_24\_NTNV



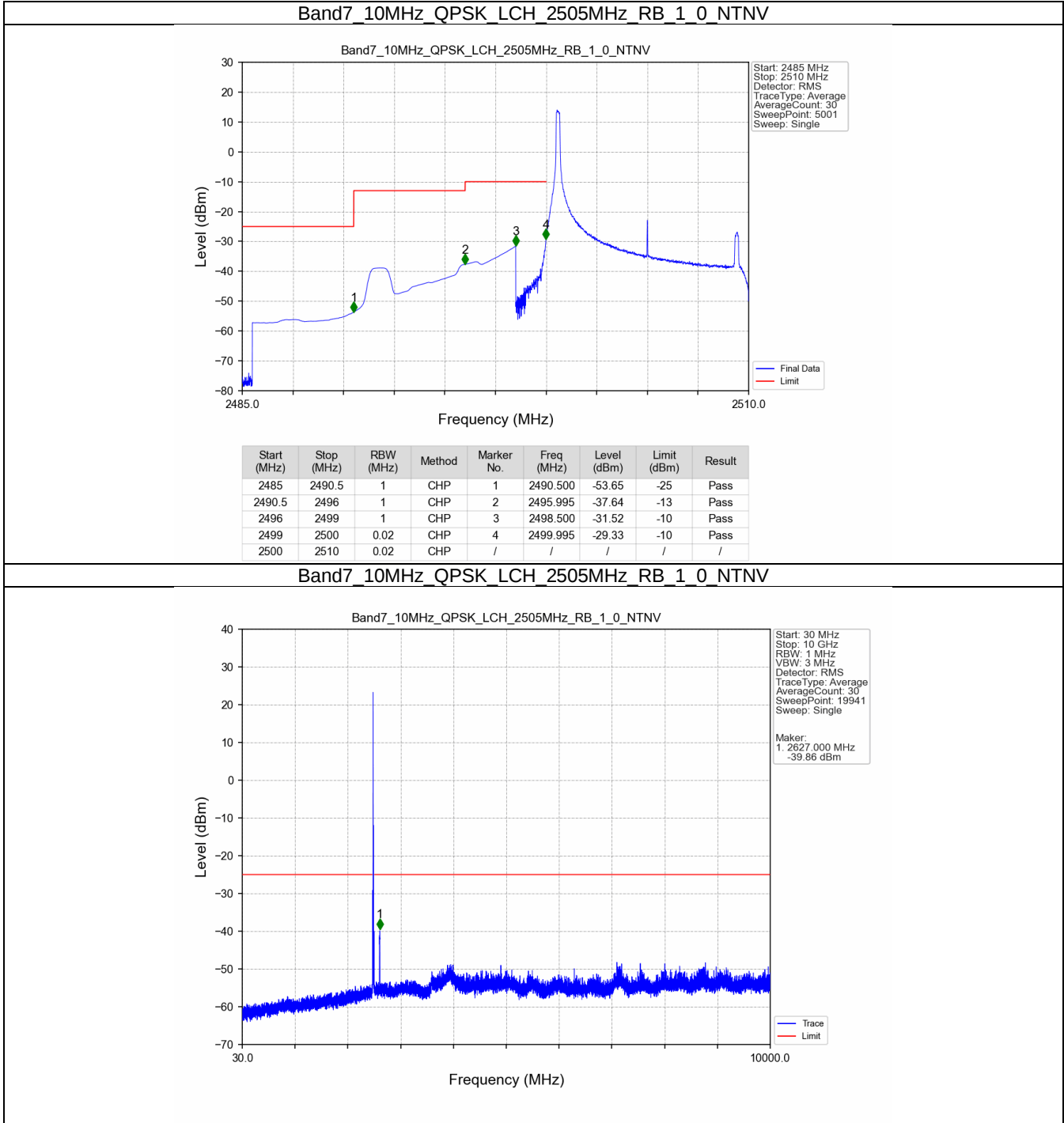
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2565        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -22.25      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -27.56      | -10         | Pass   |
| 2575        | 2576       | 1         | CHP    | 3          | 2575.025   | -41.36      | -13         | Pass   |
| 2576        | 2580       | 1         | CHP    | 4          | 2576.005   | -43.74      | -25         | Pass   |

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

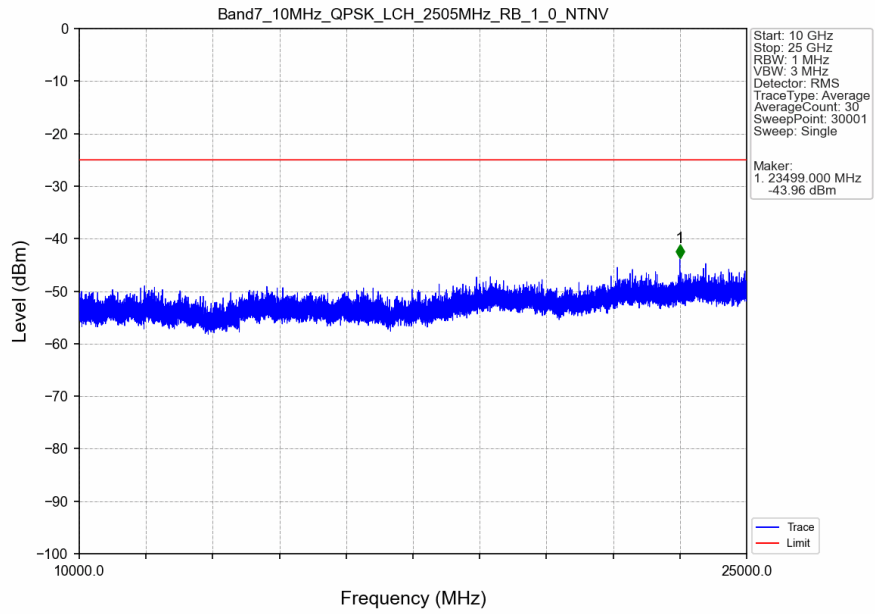


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2565        | 2570       | 0.114     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.114     | CHP    | 1          | 2570.010   | -25.38      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.510   | -21.16      | -10         | Pass   |
| 2575        | 2576       | 1         | CHP    | 3          | 2575.005   | -34.45      | -13         | Pass   |
| 2576        | 2580       | 1         | CHP    | 4          | 2576.010   | -35.53      | -25         | Pass   |

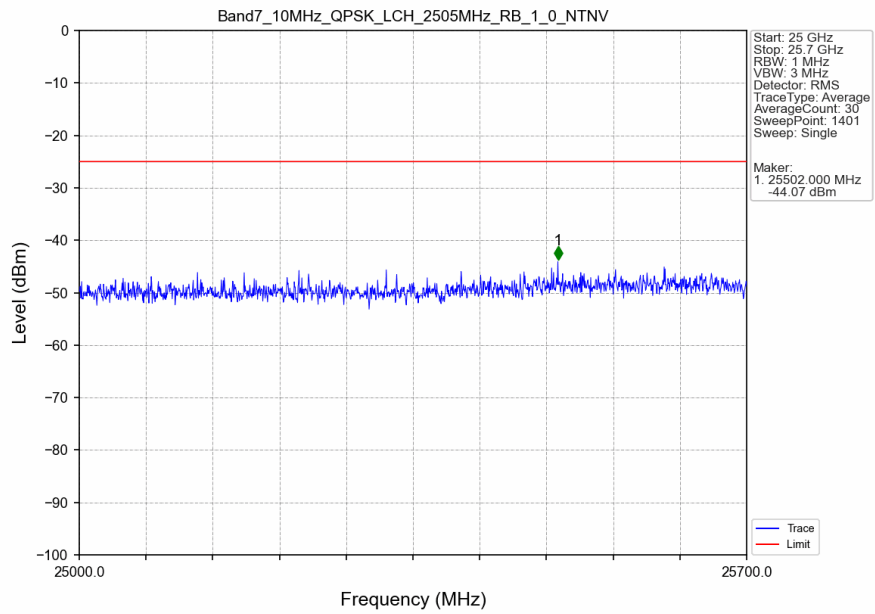
5.2.2 B7\_10MHz



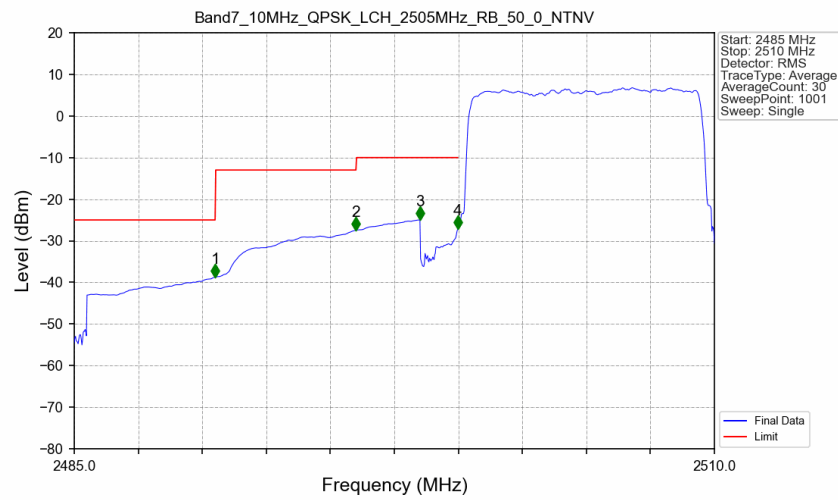
# Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_1\_0\_NTNV



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

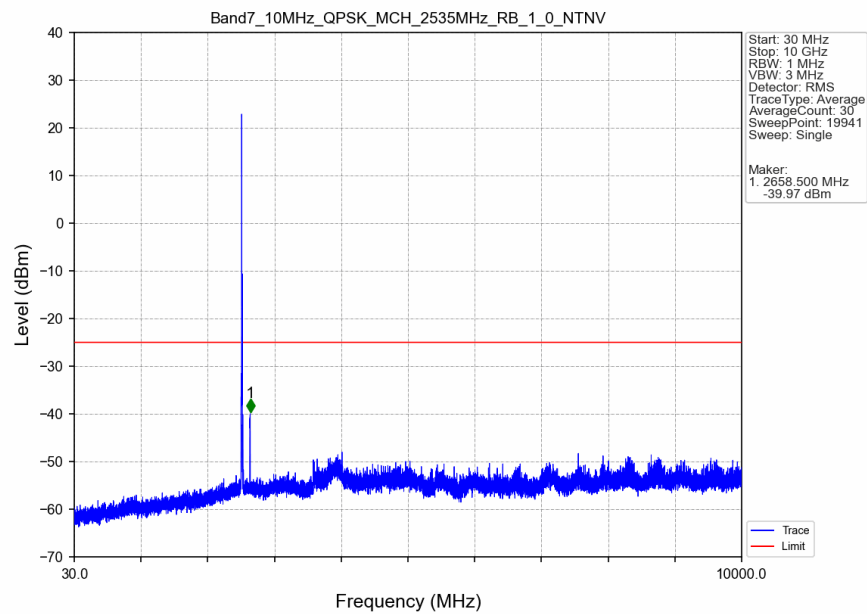


Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV

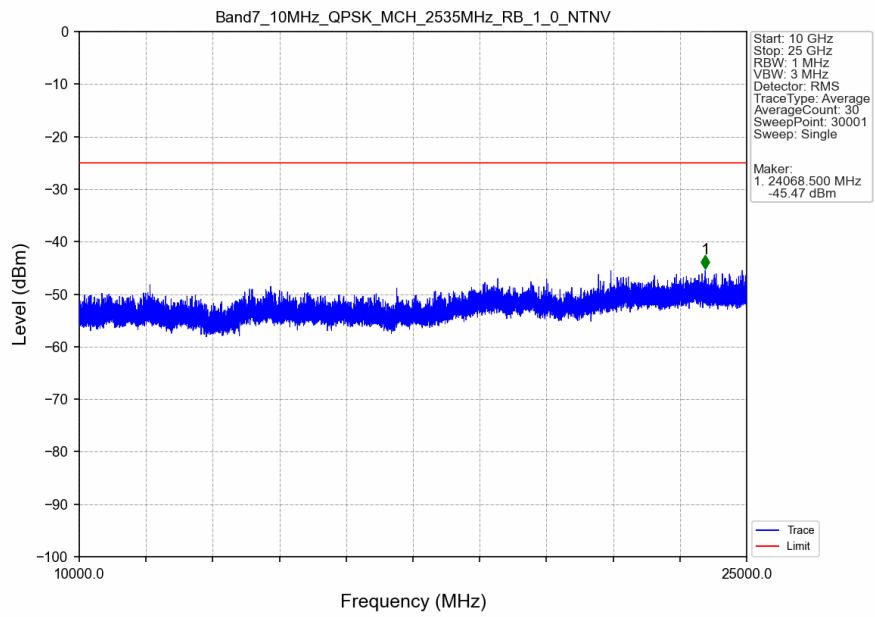


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.500   | -38.78      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2496.000   | -27.43      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.500   | -24.98      | -10         | Pass   |
| 2499        | 2500       | 0.207     | CHP    | 4          | 2499.975   | -27.19      | -10         | Pass   |
| 2500        | 2510       | 0.207     | CHP    | /          | /          | /           | /           | /      |

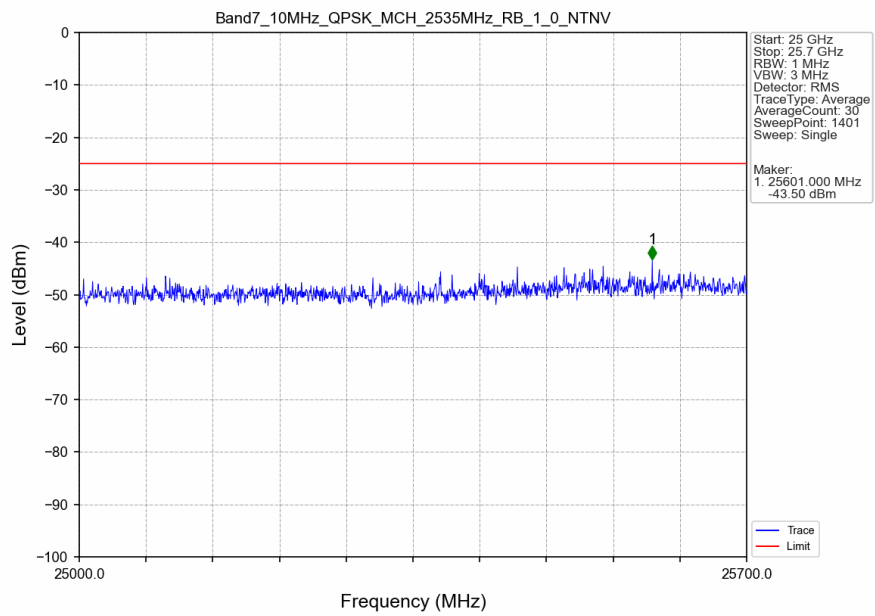
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



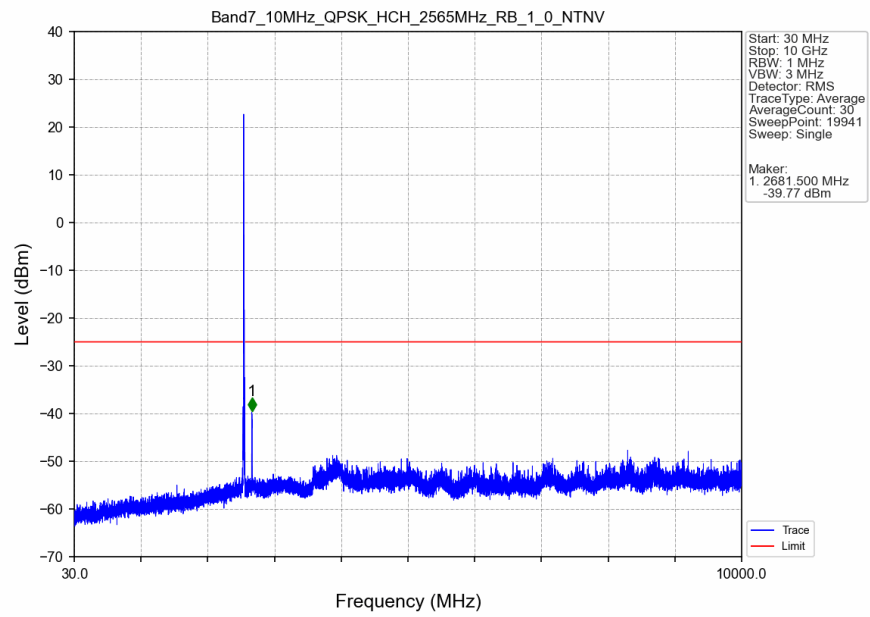
# Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



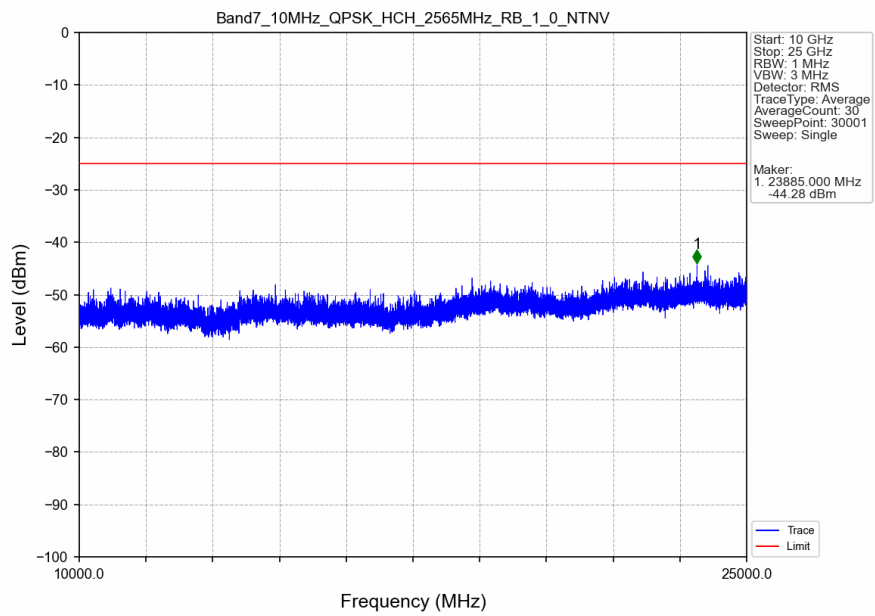
# Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



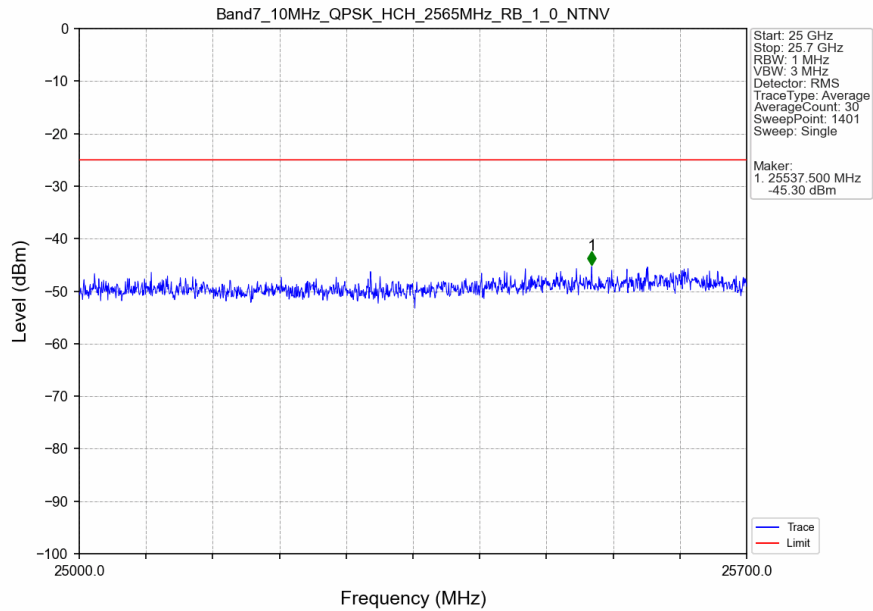
# Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



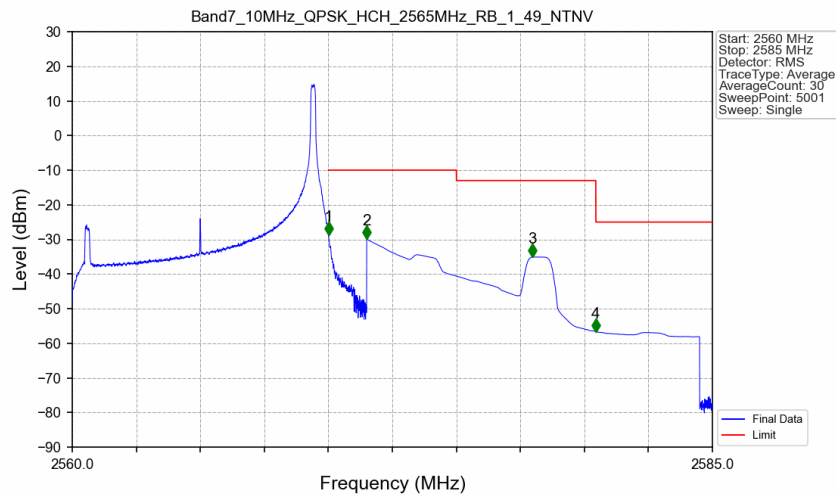
# Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



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

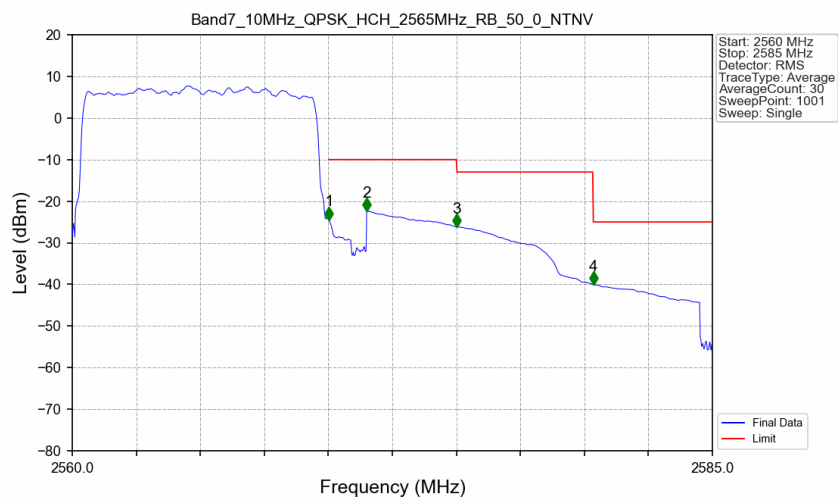


### Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_49\_NTNV



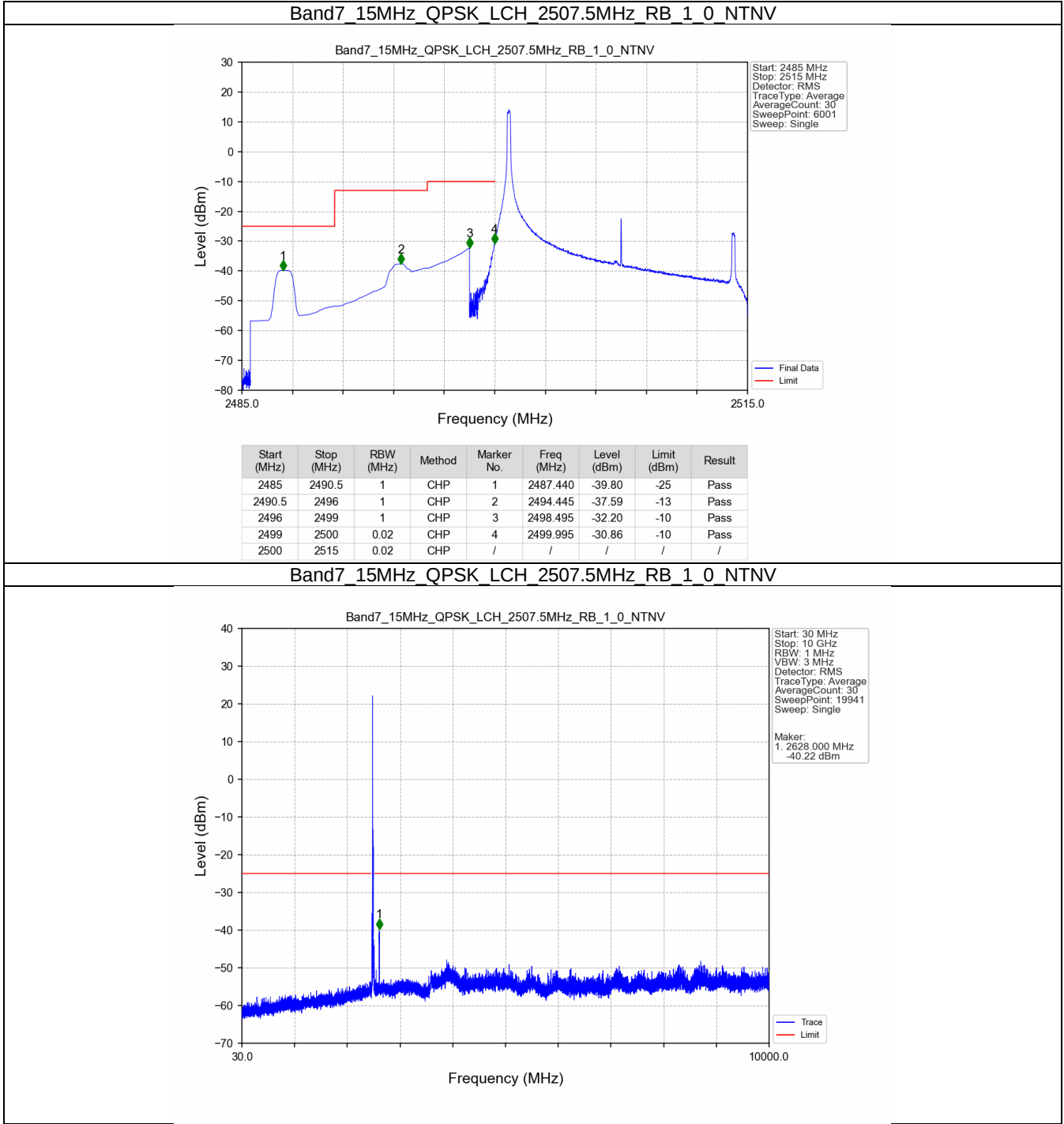
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2560        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -28.82      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -29.92      | -10         | Pass   |
| 2575        | 2580.448   | 1         | CHP    | 3          | 2577.965   | -35.10      | -13         | Pass   |
| 2580.448    | 2585       | 1         | CHP    | 4          | 2580.450   | -56.65      | -25         | Pass   |

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

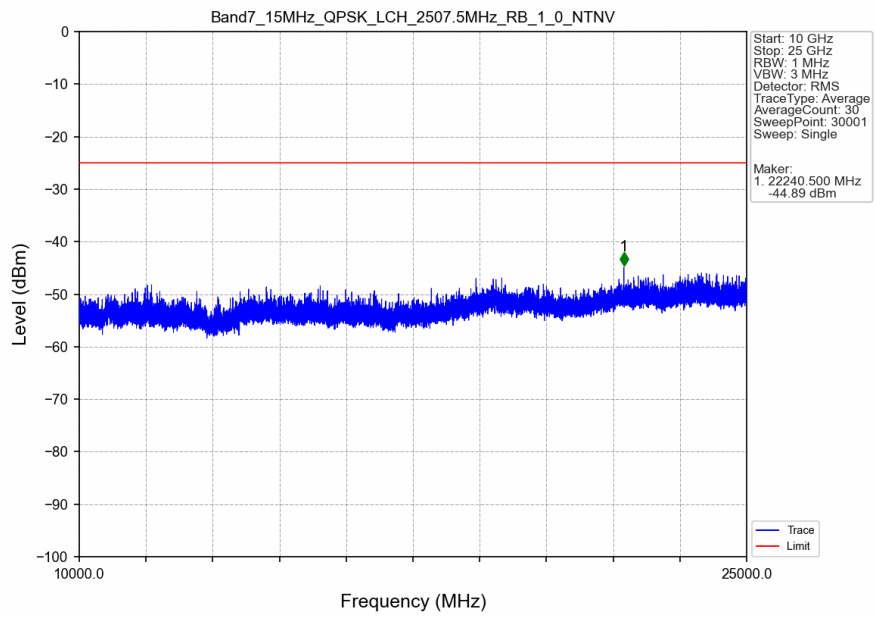


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2560        | 2570       | 0.207     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.207     | CHP    | 1          | 2570.025   | -24.48      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -22.42      | -10         | Pass   |
| 2575        | 2580.335   | 1         | CHP    | 3          | 2575.025   | -26.16      | -13         | Pass   |
| 2580.335    | 2585       | 1         | CHP    | 4          | 2580.350   | -40.07      | -25         | Pass   |

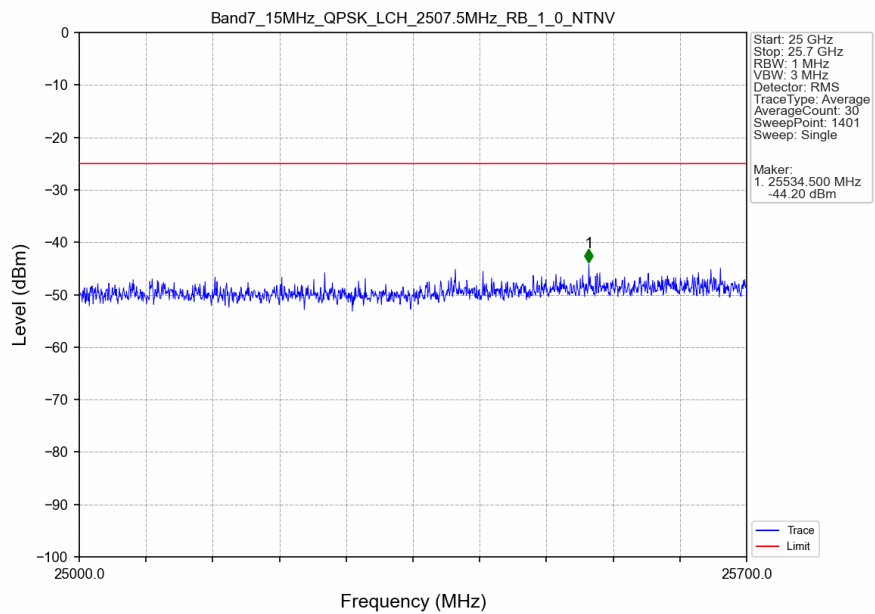
5.2.3 B7\_15MHz



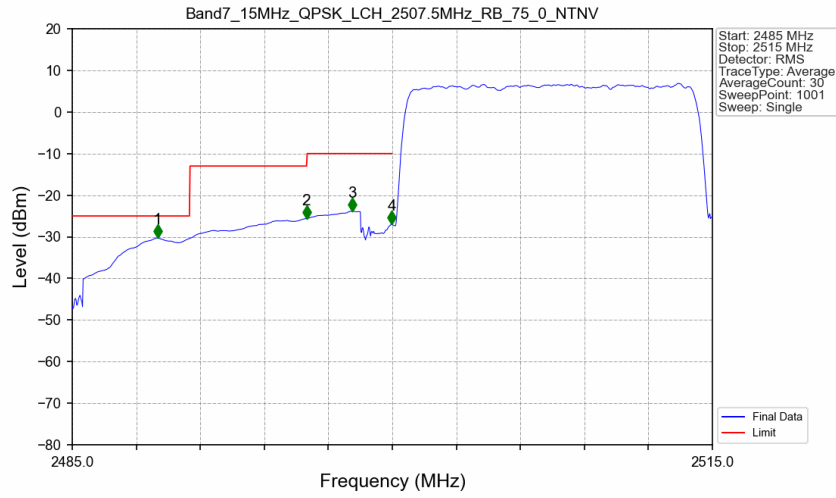
# Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



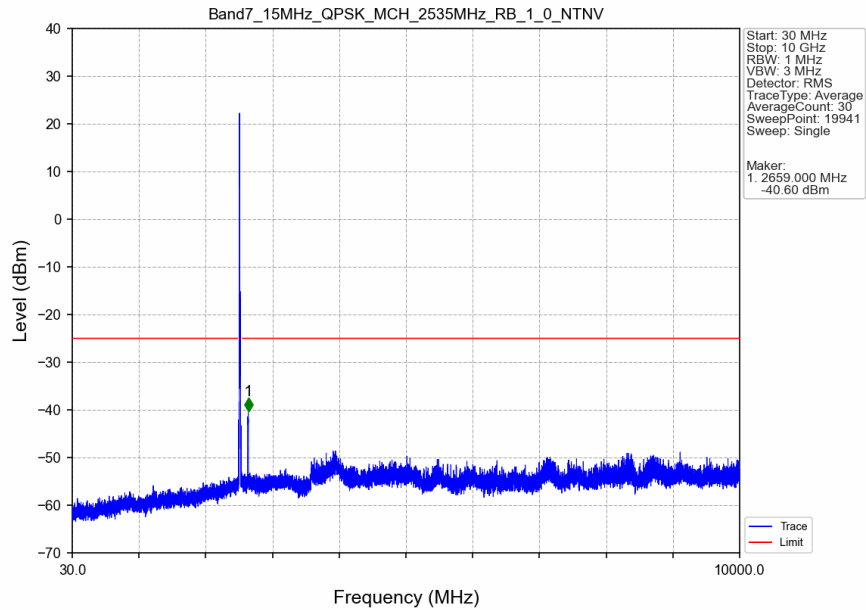
# Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



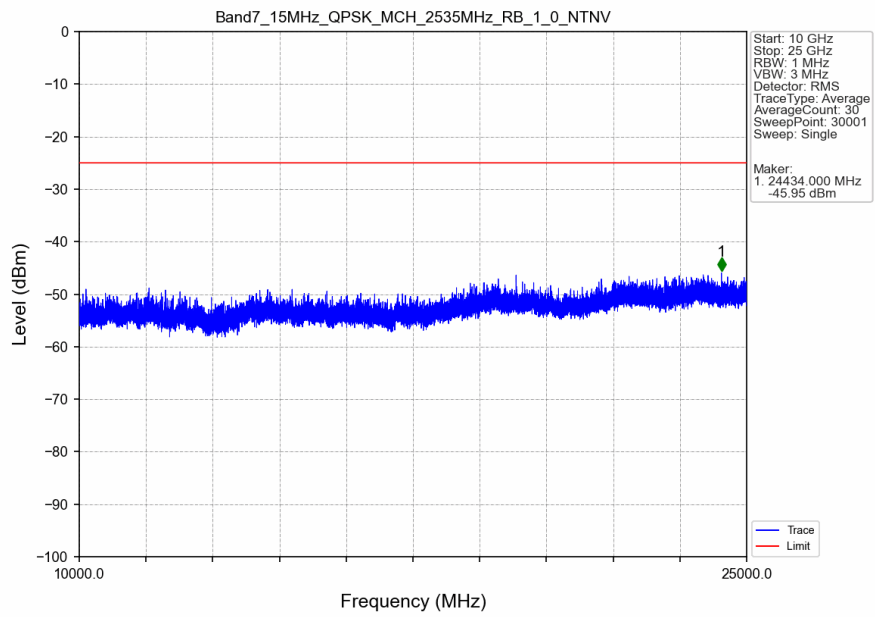
### Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



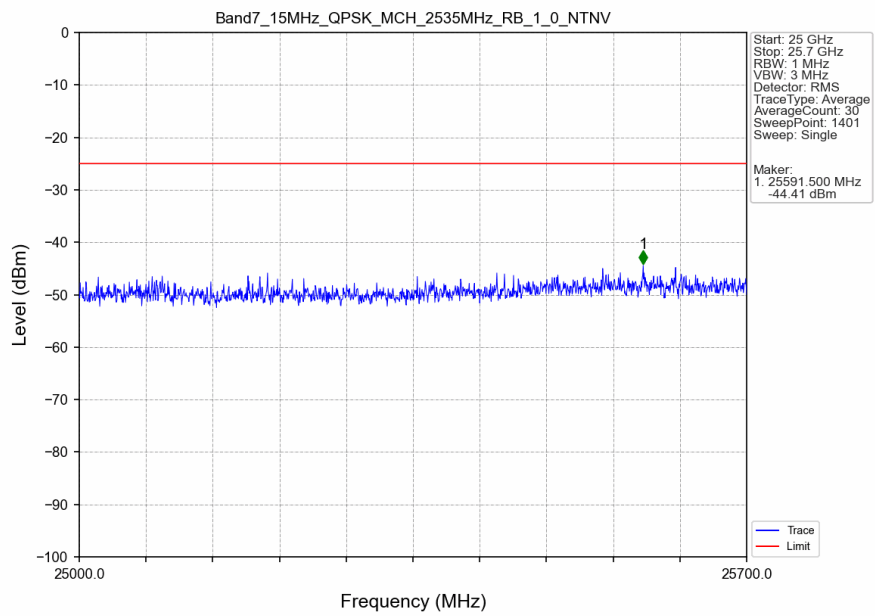
### Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



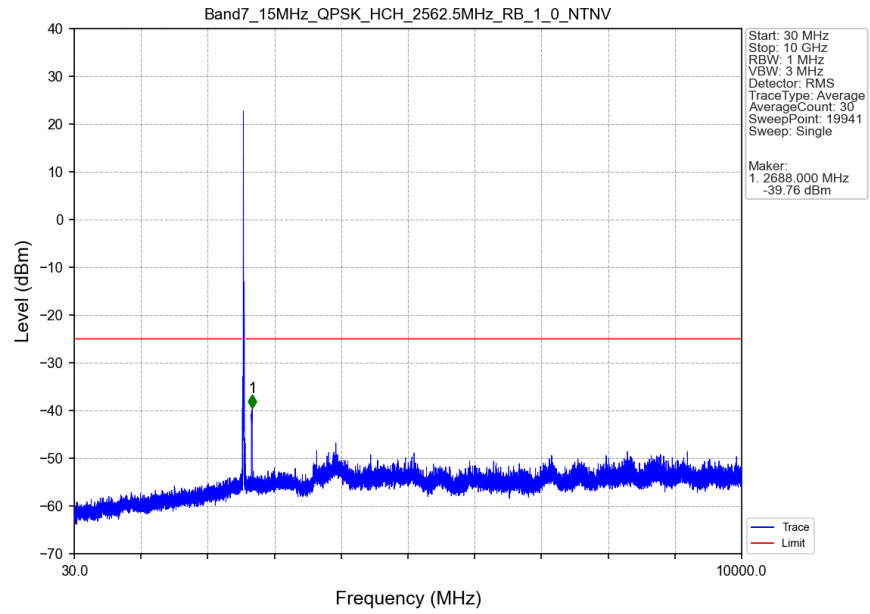
# Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



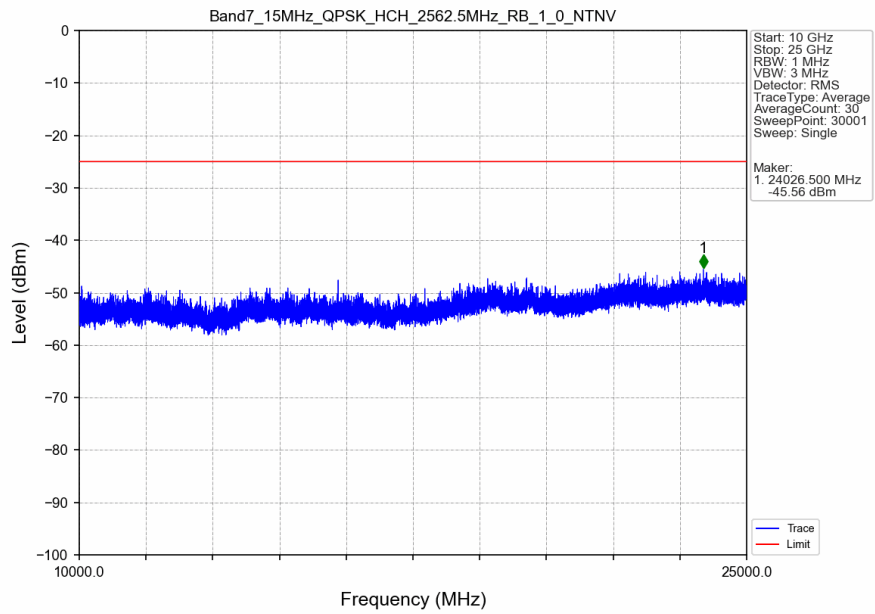
# Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



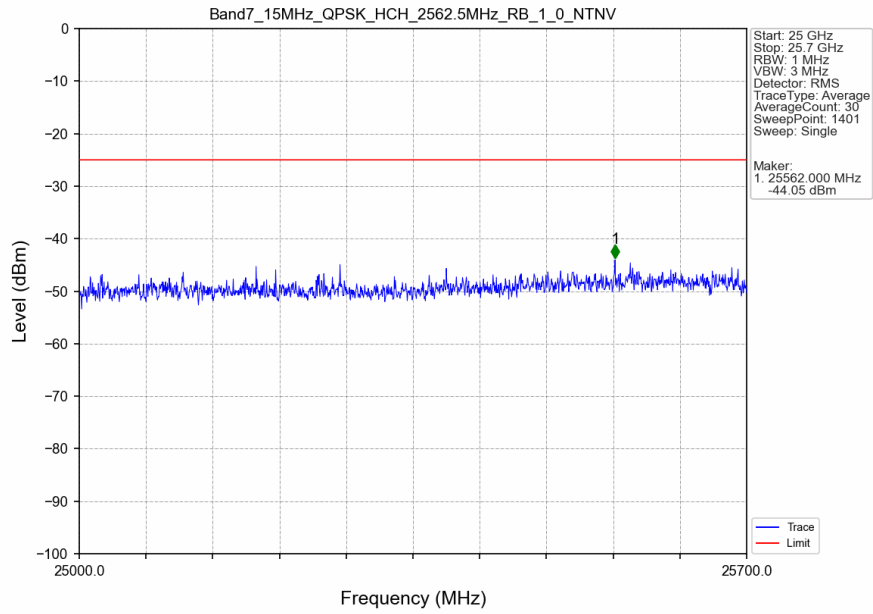
# Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



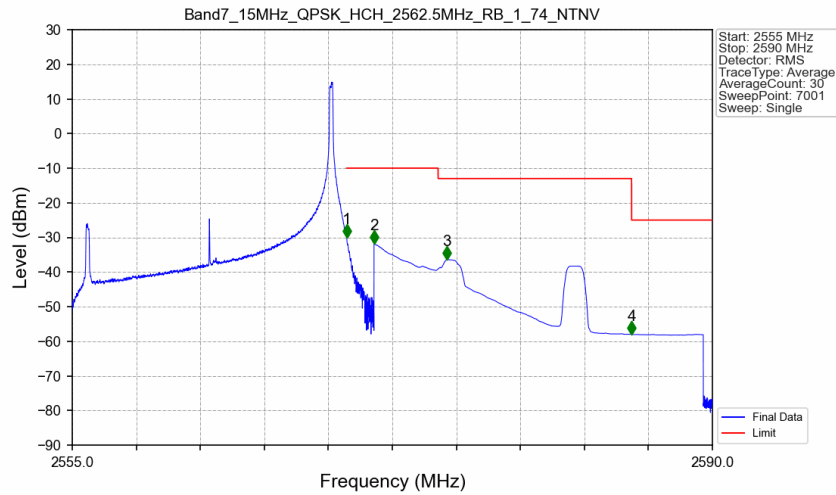
# Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



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

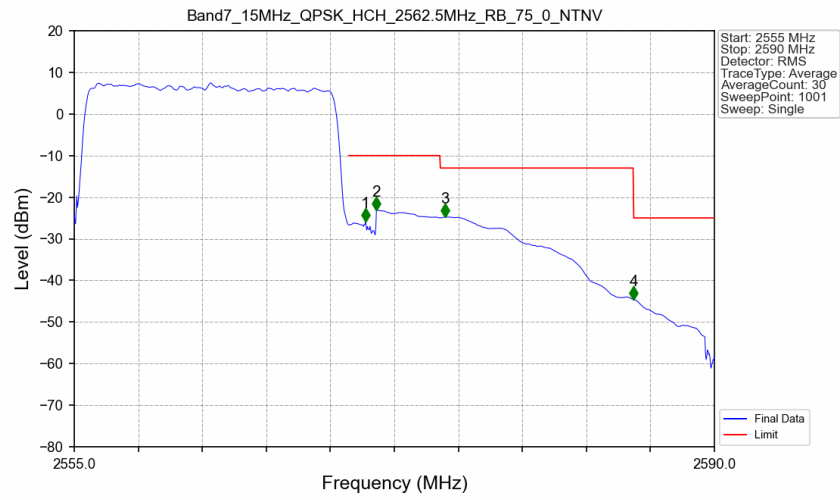


# Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_74\_NTNV



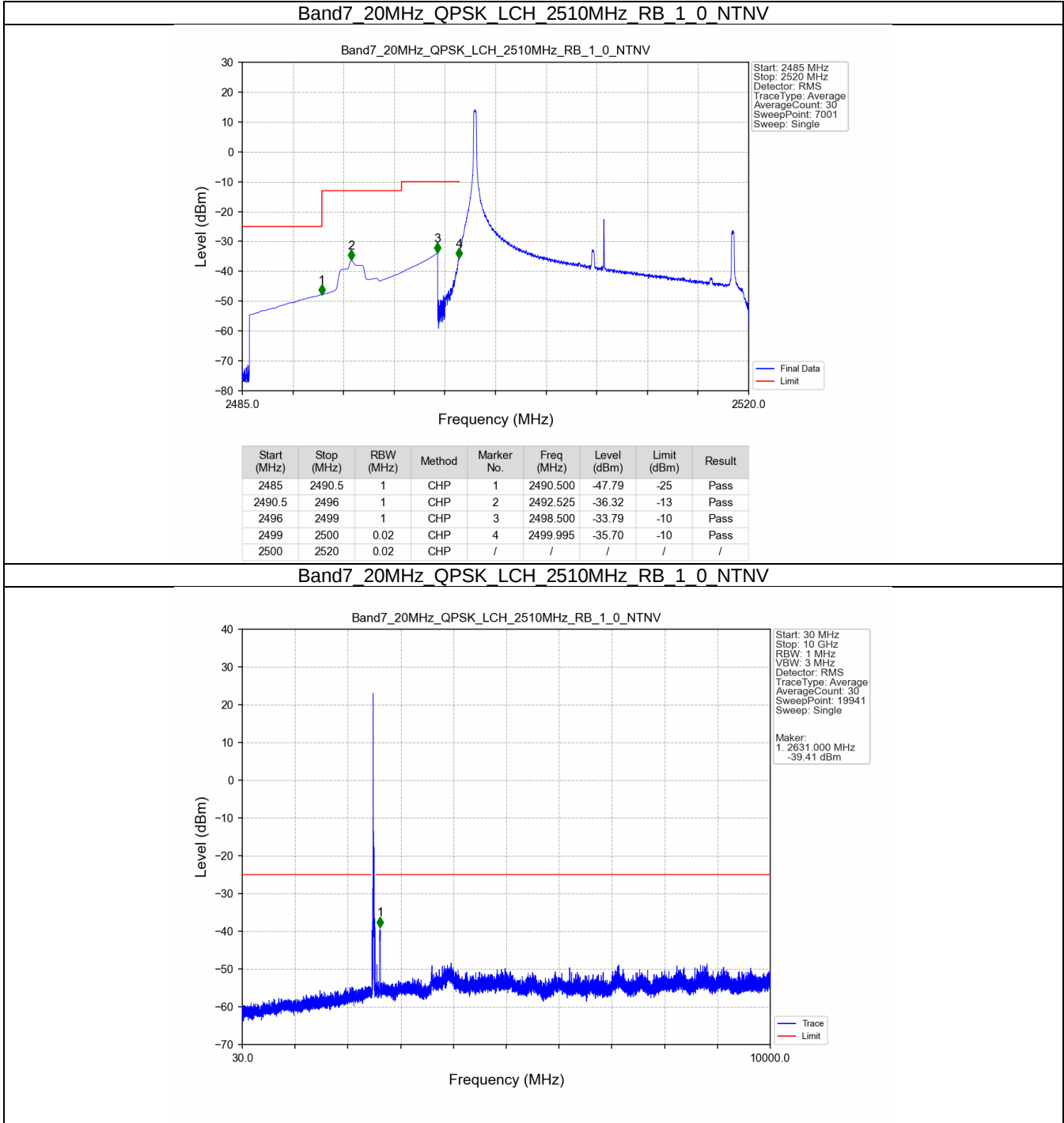
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -30.04      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -31.81      | -10         | Pass   |
| 2575        | 2585.582   | 1         | CHP    | 3          | 2575.485   | -36.43      | -13         | Pass   |
| 2585.582    | 2590       | 1         | CHP    | 4          | 2585.585   | -57.98      | -25         | Pass   |

# Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTV

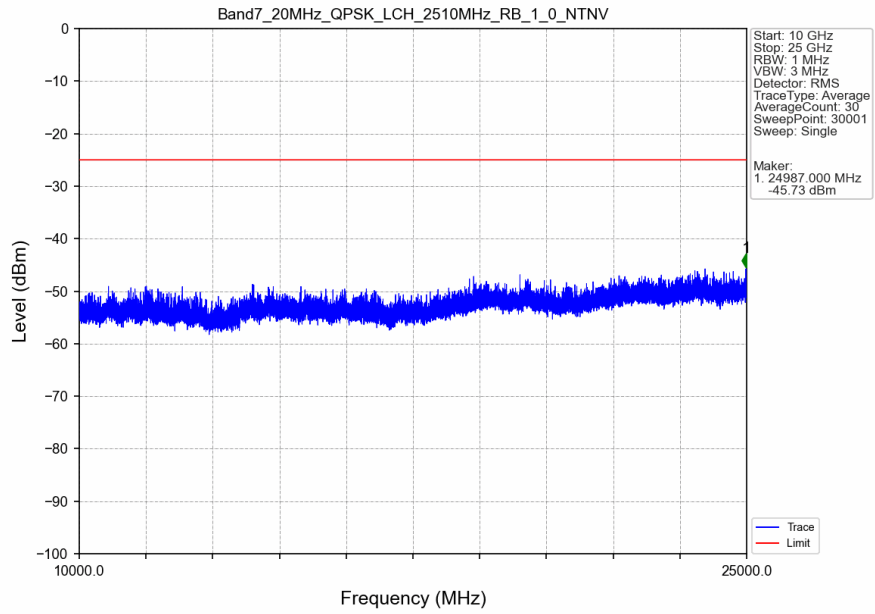


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.312     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.312     | CHP    | 1          | 2570.925   | -25.85      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.520   | -23.16      | -10         | Pass   |
| 2575        | 2585.582   | 1         | CHP    | 3          | 2575.265   | -24.78      | -13         | Pass   |
| 2585.582    | 2590       | 1         | CHP    | 4          | 2585.590   | -44.63      | -25         | Pass   |

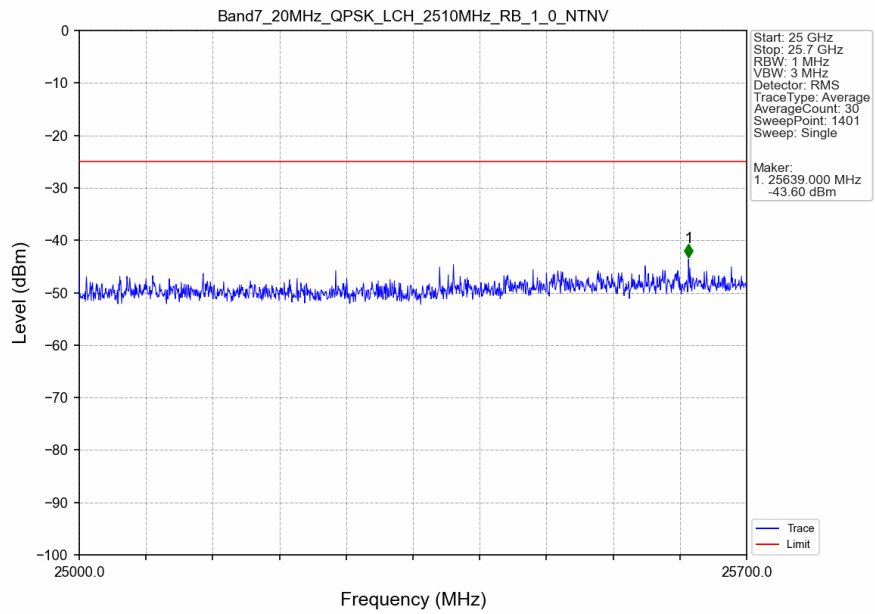
5.2.4 B7\_20MHz



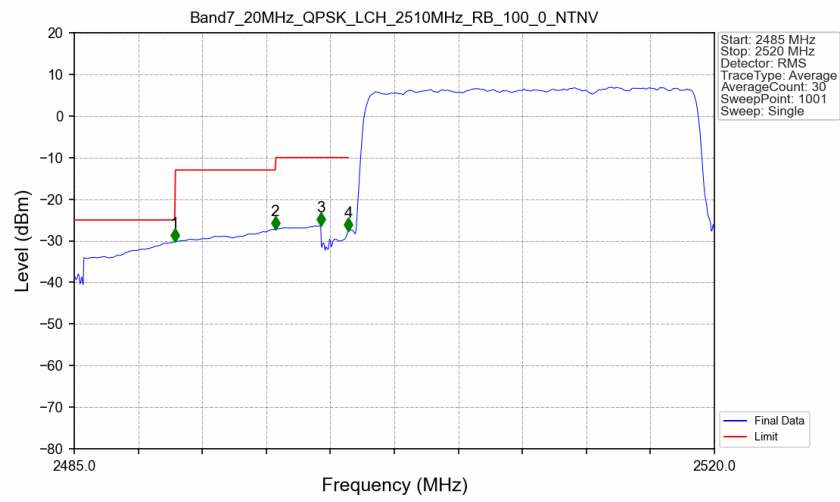
# Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_1\_0\_NTNV



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

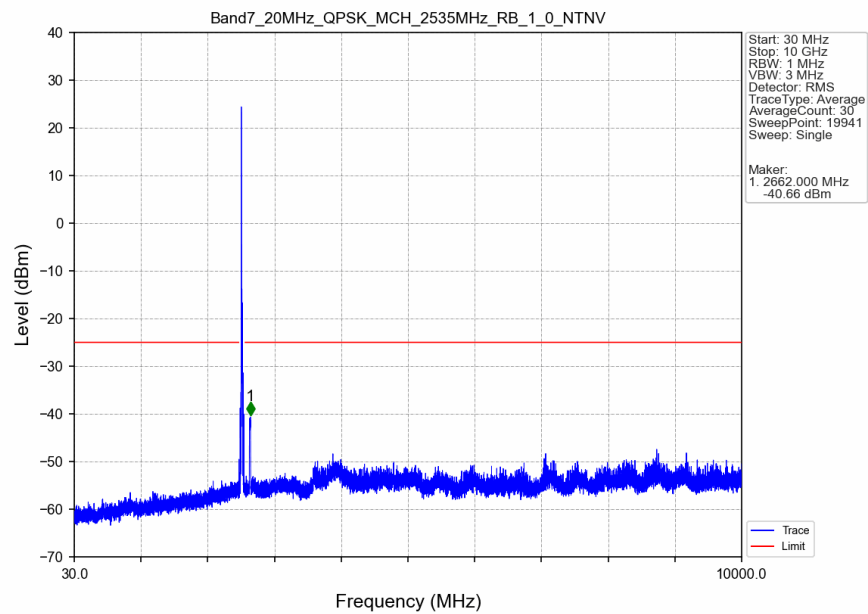


# Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV

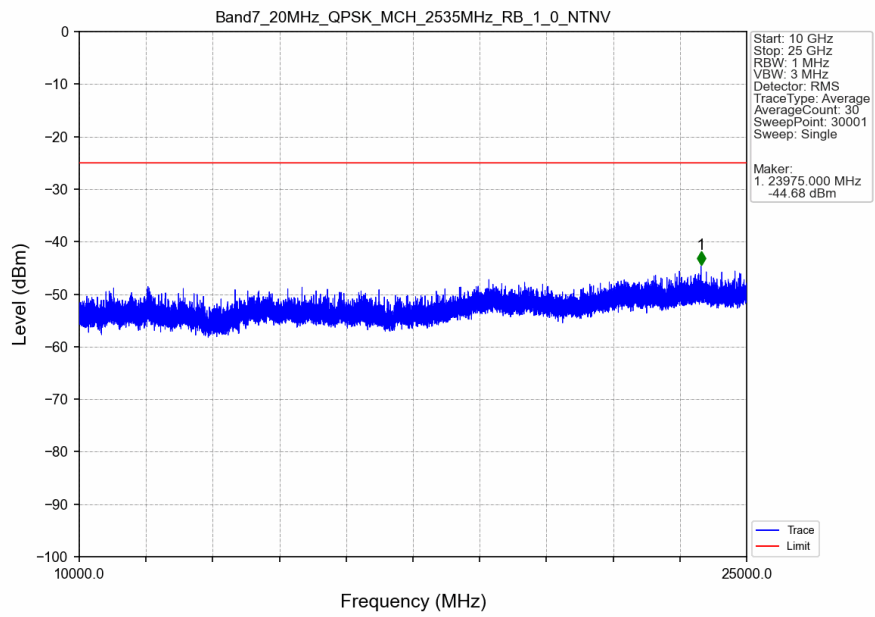


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.495   | -30.24      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.990   | -27.22      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.475   | -26.32      | -10         | Pass   |
| 2499        | 2500       | 0.404     | CHP    | 4          | 2499.980   | -27.64      | -10         | Pass   |
| 2500        | 2520       | 0.404     | CHP    | /          | /          | /           | /           | /      |

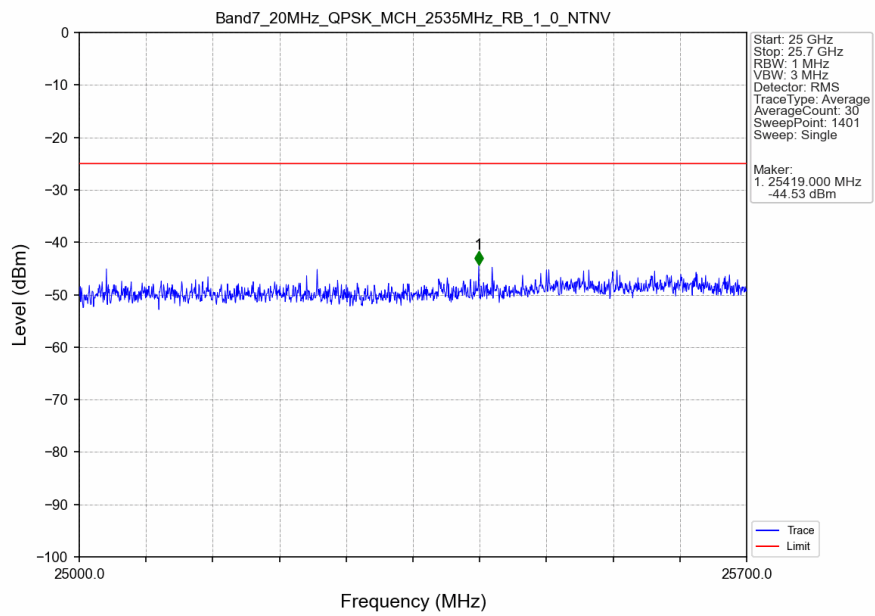
# Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



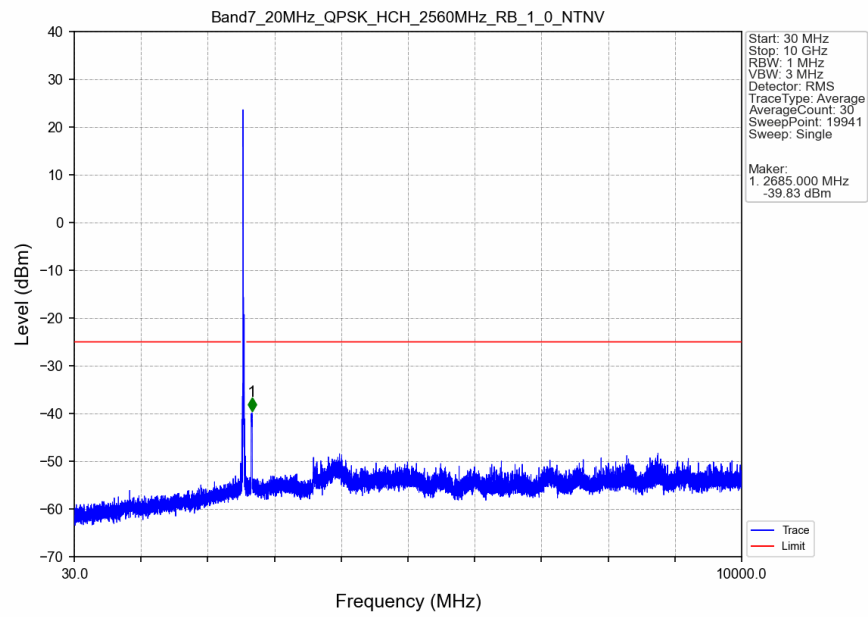
# Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



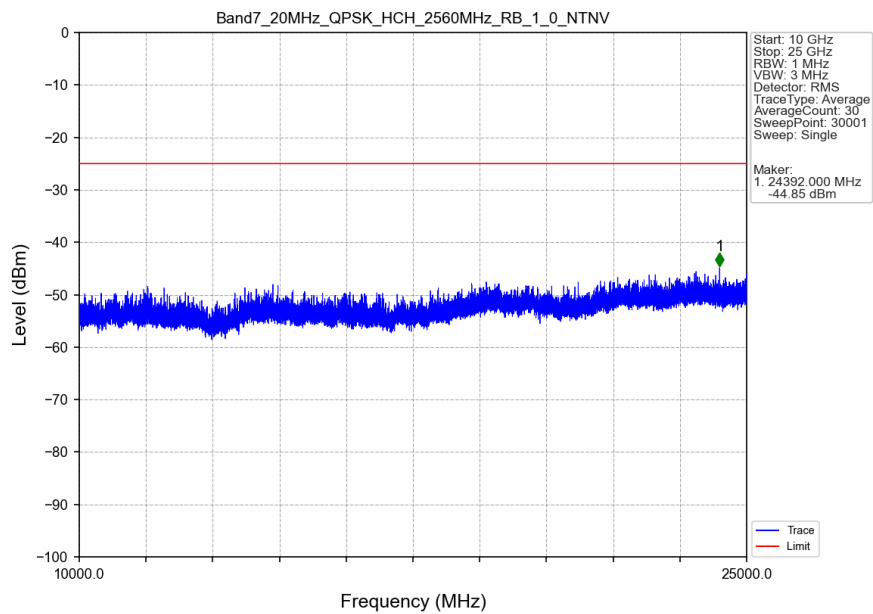
# Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



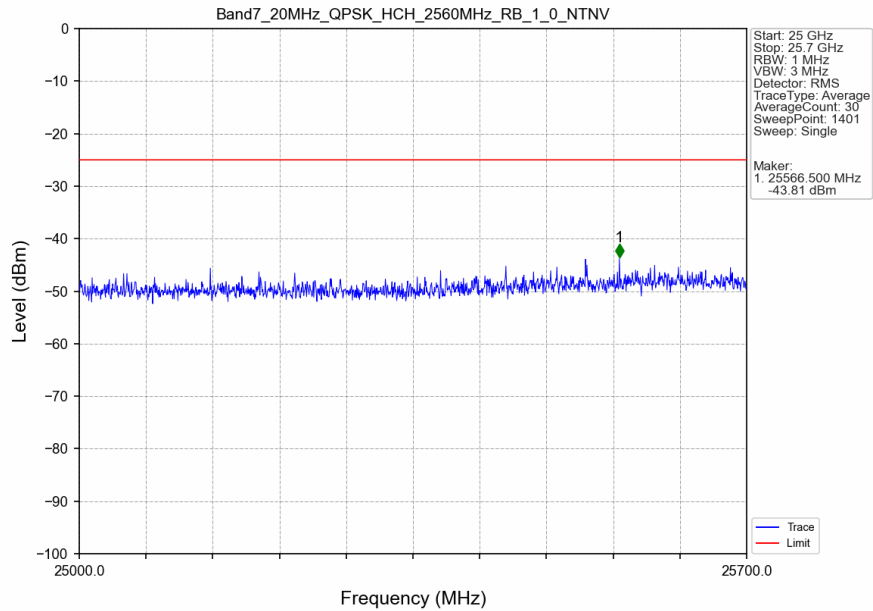
# Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_1\_0\_NTNV



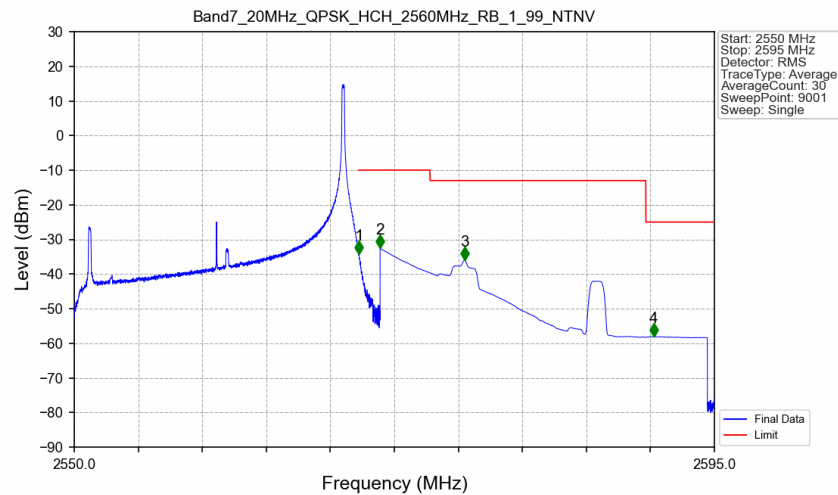
# Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_1\_0\_NTNV



# Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTNV

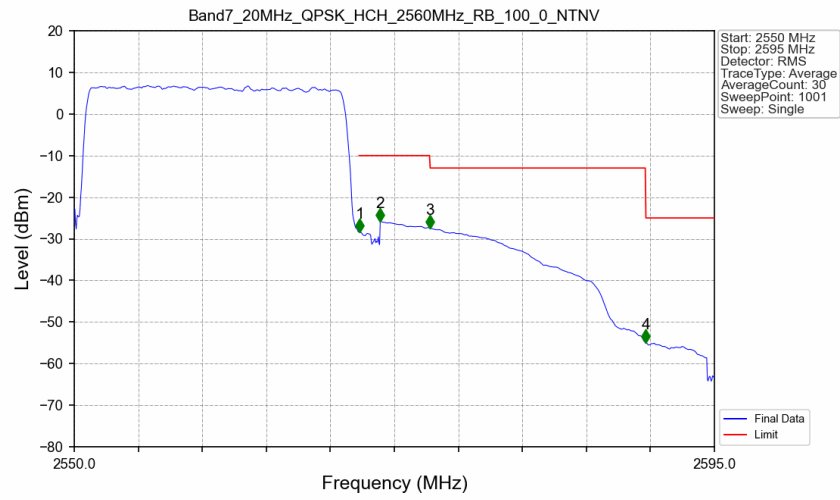


# Band7 20MHz QPSK HCH 2560MHz RB 1 99 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2550        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.010   | -34.16      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -32.52      | -10         | Pass   |
| 2575        | 2590.175   | 1         | CHP    | 3          | 2577.440   | -36.01      | -13         | Pass   |
| 2590.175    | 2595       | 1         | CHP    | 4          | 2590.740   | -58.10      | -25         | Pass   |

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



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2550        | 2570       | 0.404     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.404     | CHP    | 1          | 2570.070   | -28.37      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.510   | -25.82      | -10         | Pass   |
| 2575        | 2590.175   | 1         | CHP    | 3          | 2575.020   | -27.45      | -13         | Pass   |
| 2590.175    | 2595       | 1         | CHP    | 4          | 2590.185   | -54.91      | -25         | Pass   |

-The End-