

# 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      | 23.11                 | 0.49       | 23.60      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.11                 | 0.49       | 23.60      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.20                 | 0.49       | 23.69      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.15                 | 0.49       | 22.64      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.15                 | 0.49       | 22.64      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.14                 | 0.49       | 22.63      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.20                 | 0.49       | 22.69      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 23.19                 | 0.49       | 23.68      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.13                 | 0.49       | 23.62      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.11                 | 0.49       | 23.60      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.20                 | 0.49       | 22.69      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.18                 | 0.49       | 22.67      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.16                 | 0.49       | 22.65      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.18                 | 0.49       | 22.67      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 23.01                 | 0.49       | 23.50      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.02                 | 0.49       | 23.51      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.01                 | 0.49       | 23.50      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.07                 | 0.49       | 22.56      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.00                 | 0.49       | 22.49      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.99                 | 0.49       | 22.48      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.03                 | 0.49       | 22.52      | <=33.01 | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | 22.46                 | 0.49       | 22.95      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.33                 | 0.49       | 22.82      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.41                 | 0.49       | 22.90      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.16                 | 0.49       | 21.65      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.17                 | 0.49       | 21.66      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.14                 | 0.49       | 21.63      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.20                 | 0.49       | 21.69      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 22.36                 | 0.49       | 22.85      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.39                 | 0.49       | 22.88      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.34                 | 0.49       | 22.83      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.33                 | 0.49       | 21.82      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.33                 | 0.49       | 21.82      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.30                 | 0.49       | 21.79      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.30                 | 0.49       | 21.79      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 22.21                 | 0.49       | 22.70      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.02                 | 0.49       | 22.51      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.07                 | 0.49       | 22.56      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.96                 | 0.49       | 21.45      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.87                 | 0.49       | 21.36      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.86                 | 0.49       | 21.35      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.91                 | 0.49       | 21.40      | <=33.01 | Pass    |
| 64QAM                            | 2502.5          | 1             | 0      | 21.23                 | 0.49       | 21.72      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.24                 | 0.49       | 21.73      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.29                 | 0.49       | 21.78      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.20                 | 0.49       | 20.69      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.23                 | 0.49       | 20.72      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.18                 | 0.49       | 20.67      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.15                 | 0.49       | 20.64      | <=33.01 | Pass    |

|        |        |    |    |       |      |       |         |      |
|--------|--------|----|----|-------|------|-------|---------|------|
|        | 2535   | 1  | 0  | 21.47 | 0.49 | 21.96 | <=33.01 | Pass |
|        |        |    | 13 | 21.50 | 0.49 | 21.99 | <=33.01 | Pass |
|        |        |    | 24 | 21.41 | 0.49 | 21.90 | <=33.01 | Pass |
|        |        | 12 | 0  | 20.41 | 0.49 | 20.90 | <=33.01 | Pass |
|        |        |    | 6  | 20.38 | 0.49 | 20.87 | <=33.01 | Pass |
|        |        |    | 13 | 20.35 | 0.49 | 20.84 | <=33.01 | Pass |
|        |        | 25 | 0  | 20.30 | 0.49 | 20.79 | <=33.01 | Pass |
|        | 2567.5 | 1  | 0  | 21.04 | 0.49 | 21.53 | <=33.01 | Pass |
|        |        |    | 13 | 20.96 | 0.49 | 21.45 | <=33.01 | Pass |
|        |        |    | 24 | 20.98 | 0.49 | 21.47 | <=33.01 | Pass |
|        |        | 12 | 0  | 20.01 | 0.49 | 20.50 | <=33.01 | Pass |
|        |        |    | 6  | 19.97 | 0.49 | 20.46 | <=33.01 | Pass |
|        |        |    | 13 | 19.94 | 0.49 | 20.43 | <=33.01 | Pass |
|        |        | 25 | 0  | 19.91 | 0.49 | 20.40 | <=33.01 | Pass |
| 256QAM | 2502.5 | 1  | 0  | 18.22 | 0.49 | 18.71 | <=33.01 | Pass |
|        |        |    | 13 | 18.18 | 0.49 | 18.67 | <=33.01 | Pass |
|        |        |    | 24 | 18.26 | 0.49 | 18.75 | <=33.01 | Pass |
|        |        | 12 | 0  | 18.13 | 0.49 | 18.62 | <=33.01 | Pass |
|        |        |    | 6  | 18.14 | 0.49 | 18.63 | <=33.01 | Pass |
|        |        |    | 13 | 18.10 | 0.49 | 18.59 | <=33.01 | Pass |
|        |        | 25 | 0  | 18.12 | 0.49 | 18.61 | <=33.01 | Pass |
|        | 2535   | 1  | 0  | 18.44 | 0.49 | 18.93 | <=33.01 | Pass |
|        |        |    | 13 | 18.39 | 0.49 | 18.88 | <=33.01 | Pass |
|        |        |    | 24 | 18.31 | 0.49 | 18.80 | <=33.01 | Pass |
|        |        | 12 | 0  | 18.33 | 0.49 | 18.82 | <=33.01 | Pass |
|        |        |    | 6  | 18.29 | 0.49 | 18.78 | <=33.01 | Pass |
|        |        |    | 13 | 18.27 | 0.49 | 18.76 | <=33.01 | Pass |
|        |        | 25 | 0  | 18.27 | 0.49 | 18.76 | <=33.01 | Pass |
|        | 2567.5 | 1  | 0  | 18.01 | 0.49 | 18.50 | <=33.01 | Pass |
|        |        |    | 13 | 17.98 | 0.49 | 18.47 | <=33.01 | Pass |
|        |        |    | 24 | 17.96 | 0.49 | 18.45 | <=33.01 | Pass |
|        |        | 12 | 0  | 17.91 | 0.49 | 18.40 | <=33.01 | Pass |
|        |        |    | 6  | 17.89 | 0.49 | 18.38 | <=33.01 | Pass |
|        |        |    | 13 | 17.87 | 0.49 | 18.36 | <=33.01 | Pass |
|        |        | 25 | 0  | 17.86 | 0.49 | 18.35 | <=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      | 23.26                 | 0.49       | 23.75      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 23.14                 | 0.49       | 23.63      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 23.14                 | 0.49       | 23.63      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.23                 | 0.49       | 22.72      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.17                 | 0.49       | 22.66      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.16                 | 0.49       | 22.65      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.19                 | 0.49       | 22.68      | <=33.01 | Pass    |
|                                   | 2535            | 1             | 0      | 23.20                 | 0.49       | 23.69      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 23.17                 | 0.49       | 23.66      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 23.14                 | 0.49       | 23.63      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.23                 | 0.49       | 22.72      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.21                 | 0.49       | 22.70      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.21                 | 0.49       | 22.70      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.21                 | 0.49       | 22.70      | <=33.01 | Pass    |
|                                   | 2565            | 1             | 0      | 23.14                 | 0.49       | 23.63      | <=33.01 | Pass    |

|        |      |    |    |       |      |       |         |      |
|--------|------|----|----|-------|------|-------|---------|------|
|        |      | 25 | 25 | 22.97 | 0.49 | 23.46 | <=33.01 | Pass |
|        |      |    | 49 | 23.01 | 0.49 | 23.50 | <=33.01 | Pass |
|        |      |    | 0  | 22.17 | 0.49 | 22.66 | <=33.01 | Pass |
|        |      |    | 13 | 22.13 | 0.49 | 22.62 | <=33.01 | Pass |
|        |      |    | 25 | 22.08 | 0.49 | 22.57 | <=33.01 | Pass |
|        |      | 50 | 0  | 22.12 | 0.49 | 22.61 | <=33.01 | Pass |
| 16QAM  | 2505 | 1  | 0  | 22.57 | 0.49 | 23.06 | <=33.01 | Pass |
|        |      |    | 25 | 22.34 | 0.49 | 22.83 | <=33.01 | Pass |
|        |      |    | 49 | 22.47 | 0.49 | 22.96 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.16 | 0.49 | 21.65 | <=33.01 | Pass |
|        |      |    | 13 | 21.20 | 0.49 | 21.69 | <=33.01 | Pass |
|        |      |    | 25 | 21.19 | 0.49 | 21.68 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.20 | 0.49 | 21.69 | <=33.01 | Pass |
|        | 2535 | 1  | 0  | 22.48 | 0.49 | 22.97 | <=33.01 | Pass |
|        |      |    | 25 | 22.42 | 0.49 | 22.91 | <=33.01 | Pass |
|        |      |    | 49 | 22.38 | 0.49 | 22.87 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.36 | 0.49 | 21.85 | <=33.01 | Pass |
|        |      |    | 13 | 21.34 | 0.49 | 21.83 | <=33.01 | Pass |
|        |      |    | 25 | 21.32 | 0.49 | 21.81 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.33 | 0.49 | 21.82 | <=33.01 | Pass |
|        | 2565 | 1  | 0  | 22.39 | 0.49 | 22.88 | <=33.01 | Pass |
|        |      |    | 25 | 22.29 | 0.49 | 22.78 | <=33.01 | Pass |
|        |      |    | 49 | 22.08 | 0.49 | 22.57 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.04 | 0.49 | 21.53 | <=33.01 | Pass |
|        |      |    | 13 | 20.97 | 0.49 | 21.46 | <=33.01 | Pass |
|        |      |    | 25 | 20.96 | 0.49 | 21.45 | <=33.01 | Pass |
|        |      | 50 | 0  | 20.94 | 0.49 | 21.43 | <=33.01 | Pass |
| 64QAM  | 2505 | 1  | 0  | 21.24 | 0.49 | 21.73 | <=33.01 | Pass |
|        |      |    | 25 | 21.25 | 0.49 | 21.74 | <=33.01 | Pass |
|        |      |    | 49 | 21.44 | 0.49 | 21.93 | <=33.01 | Pass |
|        |      | 25 | 0  | 20.19 | 0.49 | 20.68 | <=33.01 | Pass |
|        |      |    | 13 | 20.20 | 0.49 | 20.69 | <=33.01 | Pass |
|        |      |    | 25 | 20.16 | 0.49 | 20.65 | <=33.01 | Pass |
|        |      | 50 | 0  | 20.18 | 0.49 | 20.67 | <=33.01 | Pass |
|        | 2535 | 1  | 0  | 21.51 | 0.49 | 22.00 | <=33.01 | Pass |
|        |      |    | 25 | 21.41 | 0.49 | 21.90 | <=33.01 | Pass |
|        |      |    | 49 | 21.39 | 0.49 | 21.88 | <=33.01 | Pass |
|        |      | 25 | 0  | 20.34 | 0.49 | 20.83 | <=33.01 | Pass |
|        |      |    | 13 | 20.29 | 0.49 | 20.78 | <=33.01 | Pass |
|        |      |    | 25 | 20.29 | 0.49 | 20.78 | <=33.01 | Pass |
|        |      | 50 | 0  | 20.34 | 0.49 | 20.83 | <=33.01 | Pass |
|        | 2565 | 1  | 0  | 21.12 | 0.49 | 21.61 | <=33.01 | Pass |
|        |      |    | 25 | 21.09 | 0.49 | 21.58 | <=33.01 | Pass |
|        |      |    | 49 | 21.01 | 0.49 | 21.50 | <=33.01 | Pass |
|        |      | 25 | 0  | 20.01 | 0.49 | 20.50 | <=33.01 | Pass |
|        |      |    | 13 | 19.98 | 0.49 | 20.47 | <=33.01 | Pass |
|        |      |    | 25 | 19.96 | 0.49 | 20.45 | <=33.01 | Pass |
|        |      | 50 | 0  | 19.94 | 0.49 | 20.43 | <=33.01 | Pass |
| 256QAM | 2505 | 1  | 0  | 18.24 | 0.49 | 18.73 | <=33.01 | Pass |
|        |      |    | 25 | 18.20 | 0.49 | 18.69 | <=33.01 | Pass |
|        |      |    | 49 | 18.25 | 0.49 | 18.74 | <=33.01 | Pass |
|        |      | 25 | 0  | 18.15 | 0.49 | 18.64 | <=33.01 | Pass |
|        |      |    | 13 | 18.17 | 0.49 | 18.66 | <=33.01 | Pass |
|        |      |    | 25 | 18.15 | 0.49 | 18.64 | <=33.01 | Pass |
|        |      | 50 | 0  | 18.15 | 0.49 | 18.64 | <=33.01 | Pass |
|        | 2535 | 1  | 0  | 18.39 | 0.49 | 18.88 | <=33.01 | Pass |
|        |      |    | 25 | 18.42 | 0.49 | 18.91 | <=33.01 | Pass |
|        |      |    | 49 | 18.34 | 0.49 | 18.83 | <=33.01 | Pass |
|        |      | 25 | 0  | 18.27 | 0.49 | 18.76 | <=33.01 | Pass |

|                                          |      |    |    |       |      |       |         |      |
|------------------------------------------|------|----|----|-------|------|-------|---------|------|
|                                          |      | 50 | 13 | 18.30 | 0.49 | 18.79 | <=33.01 | Pass |
|                                          |      |    | 25 | 18.27 | 0.49 | 18.76 | <=33.01 | Pass |
|                                          |      |    | 0  | 18.30 | 0.49 | 18.79 | <=33.01 | Pass |
|                                          | 2565 | 1  | 0  | 18.13 | 0.49 | 18.62 | <=33.01 | Pass |
|                                          |      |    | 25 | 18.03 | 0.49 | 18.52 | <=33.01 | Pass |
|                                          |      |    | 49 | 17.99 | 0.49 | 18.48 | <=33.01 | Pass |
|                                          |      | 25 | 0  | 17.99 | 0.49 | 18.48 | <=33.01 | Pass |
|                                          |      |    | 13 | 17.92 | 0.49 | 18.41 | <=33.01 | Pass |
|                                          |      |    | 25 | 17.93 | 0.49 | 18.42 | <=33.01 | Pass |
|                                          |      | 50 | 0  | 17.95 | 0.49 | 18.44 | <=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      | 23.20                 | 0.49       | 23.69      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.15                 | 0.49       | 23.64      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.13                 | 0.49       | 23.62      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.16                 | 0.49       | 22.65      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.10                 | 0.49       | 22.59      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.13                 | 0.49       | 22.62      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.14                 | 0.49       | 22.63      | <=33.01 | Pass    |
|                                   | 2535            | 1             | 0      | 23.16                 | 0.49       | 23.65      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.31                 | 0.49       | 23.80      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.17                 | 0.49       | 23.66      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.20                 | 0.49       | 22.69      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.16                 | 0.49       | 22.65      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.17                 | 0.49       | 22.66      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.20                 | 0.49       | 22.69      | <=33.01 | Pass    |
|                                   | 2562.5          | 1             | 0      | 23.23                 | 0.49       | 23.72      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.08                 | 0.49       | 23.57      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.07                 | 0.49       | 23.56      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.16                 | 0.49       | 22.65      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.10                 | 0.49       | 22.59      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.08                 | 0.49       | 22.57      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.13                 | 0.49       | 22.62      | <=33.01 | Pass    |
| 16QAM                             | 2507.5          | 1             | 0      | 22.50                 | 0.49       | 22.99      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.34                 | 0.49       | 22.83      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.43                 | 0.49       | 22.92      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.13                 | 0.49       | 21.62      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.14                 | 0.49       | 21.63      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.19                 | 0.49       | 21.68      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 21.20                 | 0.49       | 21.69      | <=33.01 | Pass    |
|                                   | 2535            | 1             | 0      | 22.41                 | 0.49       | 22.90      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.40                 | 0.49       | 22.89      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.42                 | 0.49       | 22.91      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.33                 | 0.49       | 21.82      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.26                 | 0.49       | 21.75      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.25                 | 0.49       | 21.74      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 21.27                 | 0.49       | 21.76      | <=33.01 | Pass    |
|                                   | 2562.5          | 1             | 0      | 22.47                 | 0.49       | 22.96      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.27                 | 0.49       | 22.76      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.04                 | 0.49       | 22.53      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.03                 | 0.49       | 21.52      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.96                 | 0.49       | 21.45      | <=33.01 | Pass    |

|        |                                          |        |        |       |       |         |         |         |         |      |
|--------|------------------------------------------|--------|--------|-------|-------|---------|---------|---------|---------|------|
|        |                                          |        | 39     | 20.92 | 0.49  | 21.41   | <=33.01 | Pass    |         |      |
|        |                                          | 75     | 0      | 21.03 | 0.49  | 21.52   | <=33.01 | Pass    |         |      |
| 64QAM  | 2507.5                                   | 1      | 0      | 21.25 | 0.49  | 21.74   | <=33.01 | Pass    |         |      |
|        |                                          |        | 38     | 21.27 | 0.49  | 21.76   | <=33.01 | Pass    |         |      |
|        |                                          |        | 74     | 21.37 | 0.49  | 21.86   | <=33.01 | Pass    |         |      |
|        |                                          |        | 0      | 20.13 | 0.49  | 20.62   | <=33.01 | Pass    |         |      |
|        |                                          | 36     | 18     | 20.17 | 0.49  | 20.66   | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 20.18 | 0.49  | 20.67   | <=33.01 | Pass    |         |      |
|        |                                          |        | 75     | 0     | 20.17 | 0.49    | 20.66   | <=33.01 | Pass    |      |
|        |                                          | 2535   | 1      | 0     | 21.42 | 0.49    | 21.91   | <=33.01 | Pass    |      |
|        |                                          |        |        | 38    | 21.43 | 0.49    | 21.92   | <=33.01 | Pass    |      |
|        | 74                                       |        |        | 21.36 | 0.49  | 21.85   | <=33.01 | Pass    |         |      |
|        | 0                                        |        |        | 20.32 | 0.49  | 20.81   | <=33.01 | Pass    |         |      |
|        | 36                                       |        | 18     | 20.30 | 0.49  | 20.79   | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 20.27 | 0.49  | 20.76   | <=33.01 | Pass    |         |      |
|        |                                          |        | 75     | 0     | 20.29 | 0.49    | 20.78   | <=33.01 | Pass    |      |
|        | 2562.5                                   |        | 1      | 0     | 21.25 | 0.49    | 21.74   | <=33.01 | Pass    |      |
|        |                                          |        |        | 38    | 21.04 | 0.49    | 21.53   | <=33.01 | Pass    |      |
|        |                                          | 74     |        | 21.03 | 0.49  | 21.52   | <=33.01 | Pass    |         |      |
|        |                                          | 0      |        | 20.03 | 0.49  | 20.52   | <=33.01 | Pass    |         |      |
|        |                                          | 36     | 18     | 20.01 | 0.49  | 20.50   | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 19.94 | 0.49  | 20.43   | <=33.01 | Pass    |         |      |
|        |                                          |        | 75     | 0     | 20.01 | 0.49    | 20.50   | <=33.01 | Pass    |      |
|        |                                          | 256QAM | 2507.5 | 1     | 0     | 18.22   | 0.49    | 18.71   | <=33.01 | Pass |
|        |                                          |        |        |       | 38    | 18.27   | 0.49    | 18.76   | <=33.01 | Pass |
| 74     | 18.34                                    |        |        |       | 0.49  | 18.83   | <=33.01 | Pass    |         |      |
| 36     | 0                                        |        |        | 18.14 | 0.49  | 18.63   | <=33.01 | Pass    |         |      |
|        | 18                                       |        |        | 18.16 | 0.49  | 18.65   | <=33.01 | Pass    |         |      |
|        | 39                                       |        |        | 18.16 | 0.49  | 18.65   | <=33.01 | Pass    |         |      |
| 75     | 0                                        |        |        | 18.16 | 0.49  | 18.65   | <=33.01 | Pass    |         |      |
| 2535   | 1                                        |        |        | 0     | 18.44 | 0.49    | 18.93   | <=33.01 | Pass    |      |
|        |                                          |        |        | 38    | 18.36 | 0.49    | 18.85   | <=33.01 | Pass    |      |
|        |                                          |        | 74     | 18.31 | 0.49  | 18.80   | <=33.01 | Pass    |         |      |
|        | 36                                       |        | 0      | 18.32 | 0.49  | 18.81   | <=33.01 | Pass    |         |      |
|        |                                          |        | 18     | 18.27 | 0.49  | 18.76   | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 18.20 | 0.49  | 18.69   | <=33.01 | Pass    |         |      |
| 75     | 0                                        |        | 18.26  | 0.49  | 18.75 | <=33.01 | Pass    |         |         |      |
| 2562.5 | 1                                        |        | 0      | 18.23 | 0.49  | 18.72   | <=33.01 | Pass    |         |      |
|        |                                          |        | 38     | 18.15 | 0.49  | 18.64   | <=33.01 | Pass    |         |      |
|        |                                          |        | 74     | 17.93 | 0.49  | 18.42   | <=33.01 | Pass    |         |      |
|        | 36                                       |        | 0      | 17.99 | 0.49  | 18.48   | <=33.01 | Pass    |         |      |
|        |                                          |        | 18     | 17.95 | 0.49  | 18.44   | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 17.95 | 0.49  | 18.44   | <=33.01 | Pass    |         |      |
|        | 75                                       |        | 0      | 18.02 | 0.49  | 18.51   | <=33.01 | Pass    |         |      |
|        | 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      | 23.19                 | 0.49       | 23.68      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 23.10                 | 0.49       | 23.59      | <=33.01 | Pass    |
|                                  |                 |               | 99     | 23.15                 | 0.49       | 23.64      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 22.24                 | 0.49       | 22.73      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.18                 | 0.49       | 22.67      | <=33.01 | Pass    |
|                                  |                 |               | 50     | 22.15                 | 0.49       | 22.64      | <=33.01 | Pass    |

|        |       |       |       |       |         |         |         |         |         |
|--------|-------|-------|-------|-------|---------|---------|---------|---------|---------|
|        |       | 100   | 0     | 22.21 | 0.49    | 22.70   | <=33.01 | Pass    |         |
|        |       | 2535  | 1     | 0     | 23.24   | 0.49    | 23.73   | <=33.01 | Pass    |
|        |       |       |       | 50    | 23.19   | 0.49    | 23.68   | <=33.01 | Pass    |
|        |       |       |       | 99    | 23.31   | 0.49    | 23.80   | <=33.01 | Pass    |
|        |       |       | 50    | 0     | 22.25   | 0.49    | 22.74   | <=33.01 | Pass    |
|        |       |       |       | 25    | 22.25   | 0.49    | 22.74   | <=33.01 | Pass    |
|        |       |       |       | 50    | 22.24   | 0.49    | 22.73   | <=33.01 | Pass    |
|        |       | 100   | 0     | 22.26 | 0.49    | 22.75   | <=33.01 | Pass    |         |
|        |       | 2560  | 1     | 0     | 23.24   | 0.49    | 23.73   | <=33.01 | Pass    |
|        |       |       |       | 50    | 23.11   | 0.49    | 23.60   | <=33.01 | Pass    |
|        |       |       |       | 99    | 22.96   | 0.49    | 23.45   | <=33.01 | Pass    |
|        |       |       | 50    | 0     | 22.26   | 0.49    | 22.75   | <=33.01 | Pass    |
|        |       |       |       | 25    | 22.21   | 0.49    | 22.70   | <=33.01 | Pass    |
|        |       |       |       | 50    | 22.20   | 0.49    | 22.69   | <=33.01 | Pass    |
|        |       | 100   | 0     | 22.24 | 0.49    | 22.73   | <=33.01 | Pass    |         |
|        |       | 16QAM | 2510  | 1     | 0       | 22.54   | 0.49    | 23.03   | <=33.01 |
| 50     | 22.46 |       |       |       | 0.49    | 22.95   | <=33.01 | Pass    |         |
| 99     | 22.36 |       |       |       | 0.49    | 22.85   | <=33.01 | Pass    |         |
| 50     | 0     |       |       | 21.23 | 0.49    | 21.72   | <=33.01 | Pass    |         |
|        | 25    |       |       | 21.24 | 0.49    | 21.73   | <=33.01 | Pass    |         |
|        | 50    |       |       | 21.28 | 0.49    | 21.77   | <=33.01 | Pass    |         |
| 100    | 0     |       | 21.25 | 0.49  | 21.74   | <=33.01 | Pass    |         |         |
| 2535   | 1     |       | 0     | 22.48 | 0.49    | 22.97   | <=33.01 | Pass    |         |
|        |       |       | 50    | 22.38 | 0.49    | 22.87   | <=33.01 | Pass    |         |
|        |       |       | 99    | 22.43 | 0.49    | 22.92   | <=33.01 | Pass    |         |
|        | 50    |       | 0     | 21.36 | 0.49    | 21.85   | <=33.01 | Pass    |         |
|        |       |       | 25    | 21.33 | 0.49    | 21.82   | <=33.01 | Pass    |         |
|        |       |       | 50    | 21.31 | 0.49    | 21.80   | <=33.01 | Pass    |         |
| 100    | 0     |       | 21.33 | 0.49  | 21.82   | <=33.01 | Pass    |         |         |
| 2560   | 1     |       | 0     | 22.50 | 0.49    | 22.99   | <=33.01 | Pass    |         |
|        |       |       | 50    | 22.51 | 0.49    | 23.00   | <=33.01 | Pass    |         |
|        |       |       | 99    | 22.17 | 0.49    | 22.66   | <=33.01 | Pass    |         |
|        | 50    |       | 0     | 21.11 | 0.49    | 21.60   | <=33.01 | Pass    |         |
|        |       |       | 25    | 21.06 | 0.49    | 21.55   | <=33.01 | Pass    |         |
|        |       |       | 50    | 21.05 | 0.49    | 21.54   | <=33.01 | Pass    |         |
| 100    | 0     |       | 21.03 | 0.49  | 21.52   | <=33.01 | Pass    |         |         |
| 64QAM  | 2510  |       | 1     | 0     | 21.33   | 0.49    | 21.82   | <=33.01 | Pass    |
|        |       |       |       | 50    | 21.27   | 0.49    | 21.76   | <=33.01 | Pass    |
|        |       |       |       | 99    | 21.30   | 0.49    | 21.79   | <=33.01 | Pass    |
|        |       | 50    | 0     | 20.19 | 0.49    | 20.68   | <=33.01 | Pass    |         |
|        |       |       | 25    | 20.19 | 0.49    | 20.68   | <=33.01 | Pass    |         |
|        |       |       | 50    | 20.24 | 0.49    | 20.73   | <=33.01 | Pass    |         |
|        | 100   | 0     | 20.21 | 0.49  | 20.70   | <=33.01 | Pass    |         |         |
|        | 2535  | 1     | 0     | 21.45 | 0.49    | 21.94   | <=33.01 | Pass    |         |
|        |       |       | 50    | 21.52 | 0.49    | 22.01   | <=33.01 | Pass    |         |
|        |       |       | 99    | 21.31 | 0.49    | 21.80   | <=33.01 | Pass    |         |
|        |       | 50    | 0     | 20.38 | 0.49    | 20.87   | <=33.01 | Pass    |         |
|        |       |       | 25    | 20.33 | 0.49    | 20.82   | <=33.01 | Pass    |         |
|        |       |       | 50    | 20.28 | 0.49    | 20.77   | <=33.01 | Pass    |         |
|        | 100   | 0     | 20.34 | 0.49  | 20.83   | <=33.01 | Pass    |         |         |
|        | 2560  | 1     | 0     | 21.23 | 0.49    | 21.72   | <=33.01 | Pass    |         |
|        |       |       | 50    | 21.13 | 0.49    | 21.62   | <=33.01 | Pass    |         |
|        |       |       | 99    | 21.06 | 0.49    | 21.55   | <=33.01 | Pass    |         |
|        |       | 50    | 0     | 20.11 | 0.49    | 20.60   | <=33.01 | Pass    |         |
| 25     |       |       | 20.03 | 0.49  | 20.52   | <=33.01 | Pass    |         |         |
| 50     |       |       | 20.02 | 0.49  | 20.51   | <=33.01 | Pass    |         |         |
| 100    | 0     | 20.03 | 0.49  | 20.52 | <=33.01 | Pass    |         |         |         |
| 256QAM | 2510  | 1     | 0     | 18.26 | 0.49    | 18.75   | <=33.01 | Pass    |         |
|        |       |       | 50    | 18.30 | 0.49    | 18.79   | <=33.01 | Pass    |         |

|  |                                          |     |    |       |      |       |         |      |
|--|------------------------------------------|-----|----|-------|------|-------|---------|------|
|  |                                          |     | 99 | 18.32 | 0.49 | 18.81 | <=33.01 | Pass |
|  |                                          | 50  | 0  | 18.19 | 0.49 | 18.68 | <=33.01 | Pass |
|  |                                          |     | 25 | 18.21 | 0.49 | 18.70 | <=33.01 | Pass |
|  |                                          |     | 50 | 18.24 | 0.49 | 18.73 | <=33.01 | Pass |
|  |                                          | 100 | 0  | 18.21 | 0.49 | 18.70 | <=33.01 | Pass |
|  | 2535                                     | 1   | 0  | 18.52 | 0.49 | 19.01 | <=33.01 | Pass |
|  |                                          |     | 50 | 18.45 | 0.49 | 18.94 | <=33.01 | Pass |
|  |                                          |     | 99 | 18.32 | 0.49 | 18.81 | <=33.01 | Pass |
|  |                                          | 50  | 0  | 18.35 | 0.49 | 18.84 | <=33.01 | Pass |
|  |                                          |     | 25 | 18.32 | 0.49 | 18.81 | <=33.01 | Pass |
|  |                                          |     | 50 | 18.23 | 0.49 | 18.72 | <=33.01 | Pass |
|  |                                          | 100 | 0  | 18.32 | 0.49 | 18.81 | <=33.01 | Pass |
|  | 2560                                     | 1   | 0  | 18.24 | 0.49 | 18.73 | <=33.01 | Pass |
|  |                                          |     | 50 | 18.13 | 0.49 | 18.62 | <=33.01 | Pass |
|  |                                          |     | 99 | 18.09 | 0.49 | 18.58 | <=33.01 | Pass |
|  |                                          | 50  | 0  | 18.06 | 0.49 | 18.55 | <=33.01 | Pass |
|  |                                          |     | 25 | 18.03 | 0.49 | 18.52 | <=33.01 | Pass |
|  |                                          |     | 50 | 18.00 | 0.49 | 18.49 | <=33.01 | Pass |
|  |                                          | 100 | 0  | 18.04 | 0.49 | 18.53 | <=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         | 3.7           | -3.963           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.91          | 1.159            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.3           | -1.831           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.91          | -2.518           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.91          | -4.334           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.91          | -2.661           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.91          | -4.392           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.91          | 1.030            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.91          | -6.566           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.91          | -7.067           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.91          | -8.826           | -0.0035               | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band7\_OBW

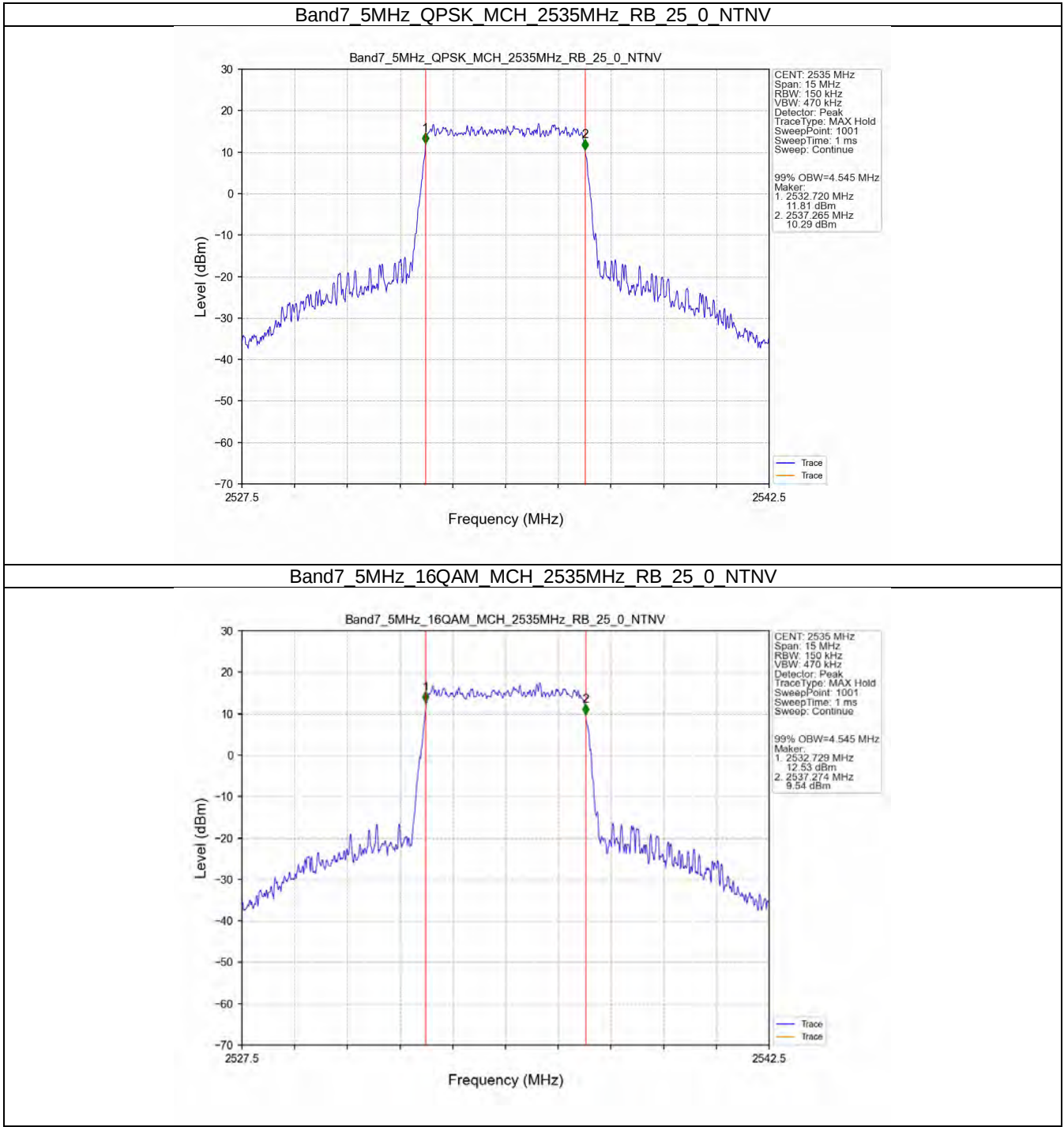
| Band: 7 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2535            | 25            | 0      | 4.545                        | /     | Pass    |
|                 | 16QAM      | 2535            | 25            | 0      | 4.545                        | /     | Pass    |
| 10              | QPSK       | 2535            | 50            | 0      | 9.068                        | /     | Pass    |
|                 | 16QAM      | 2535            | 50            | 0      | 9.021                        | /     | Pass    |
| 15              | QPSK       | 2535            | 75            | 0      | 13.548                       | /     | Pass    |
|                 | 16QAM      | 2535            | 75            | 0      | 13.548                       | /     | Pass    |
| 20              | QPSK       | 2535            | 100           | 0      | 18.021                       | /     | Pass    |
|                 | 16QAM      | 2535            | 100           | 0      | 18.079                       | /     | Pass    |

##### 3.1.2 Band7\_XDB

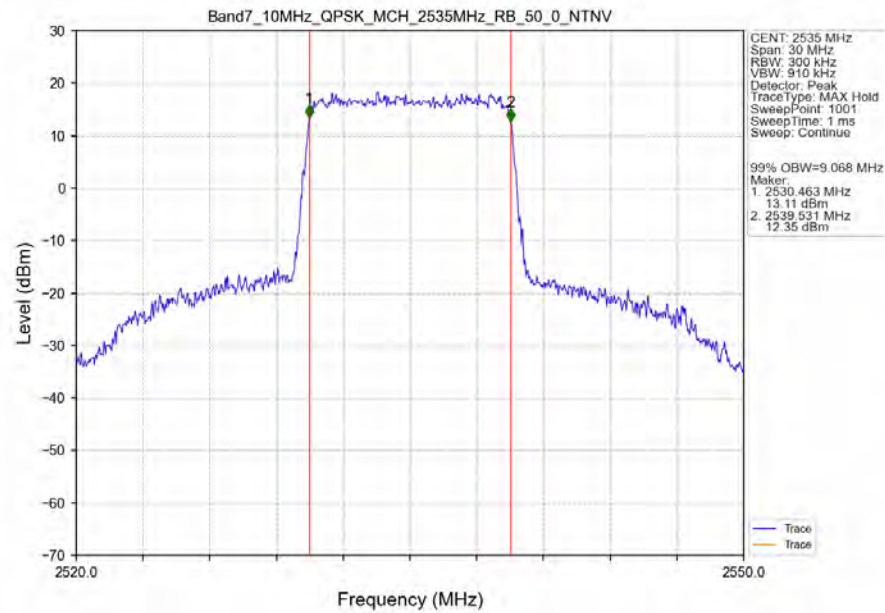
| Band: 7 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2535            | 25            | 0      | 5.031                | /     | Pass    |
|                 | 16QAM      | 2535            | 25            | 0      | 5.053                | /     | Pass    |
| 10              | QPSK       | 2535            | 50            | 0      | 9.957                | /     | Pass    |
|                 | 16QAM      | 2535            | 50            | 0      | 9.918                | /     | Pass    |
| 15              | QPSK       | 2535            | 75            | 0      | 14.871               | /     | Pass    |
|                 | 16QAM      | 2535            | 75            | 0      | 14.843               | /     | Pass    |
| 20              | QPSK       | 2535            | 100           | 0      | 19.840               | /     | Pass    |
|                 | 16QAM      | 2535            | 100           | 0      | 19.697               | /     | Pass    |

3.2 Test Graph

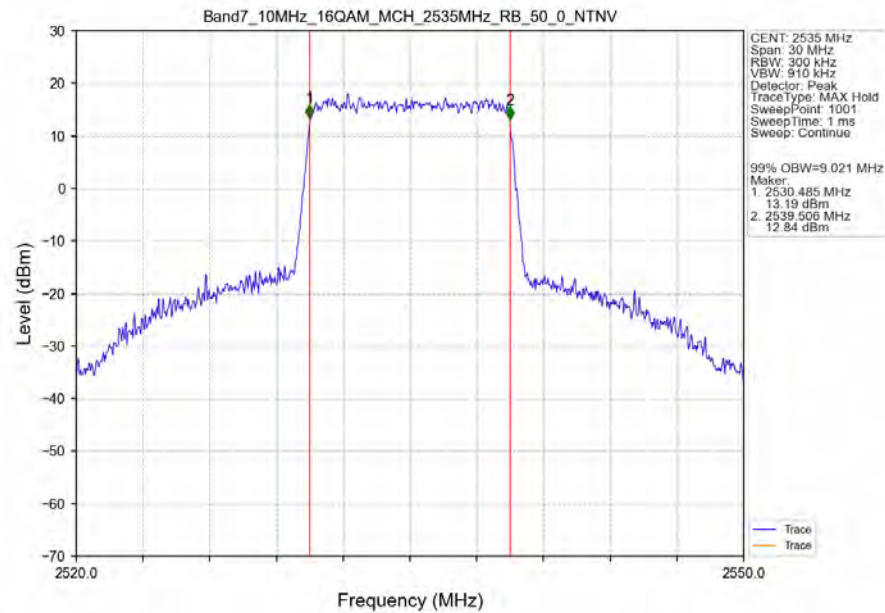
3.2.1 Band7\_OBW



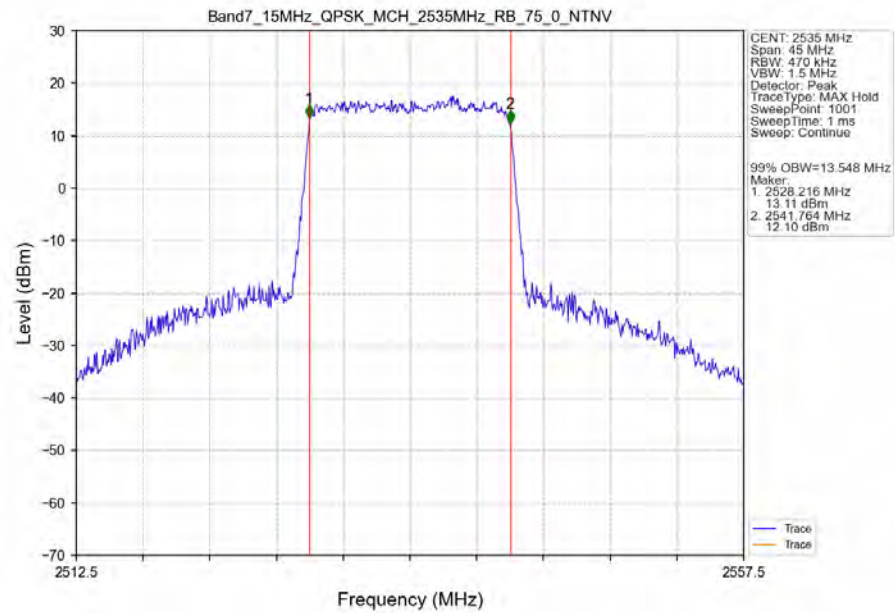
# Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTV



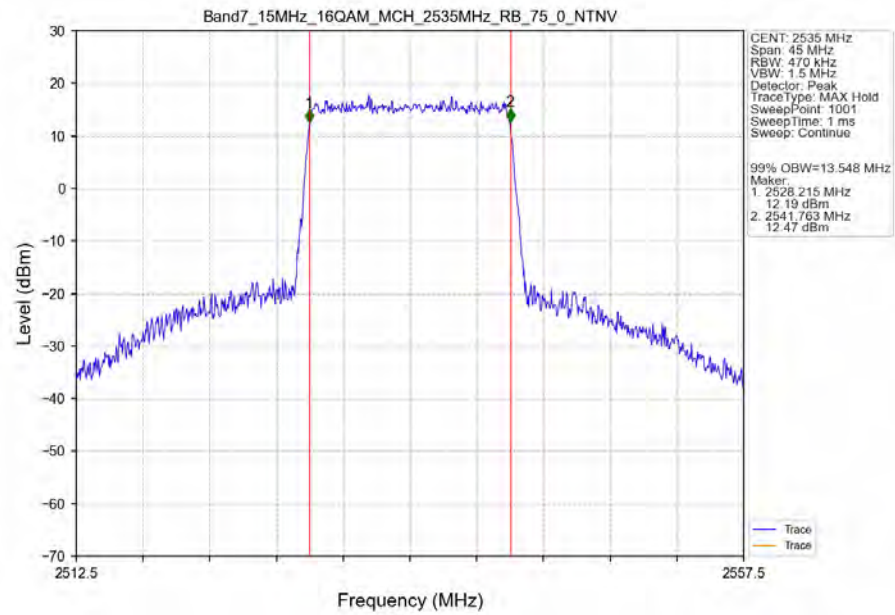
# Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



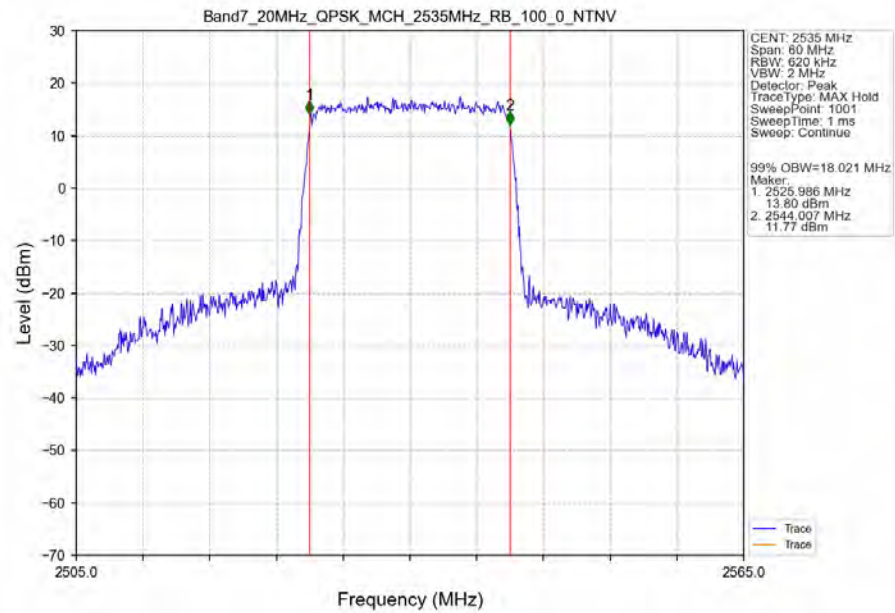
# Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTV



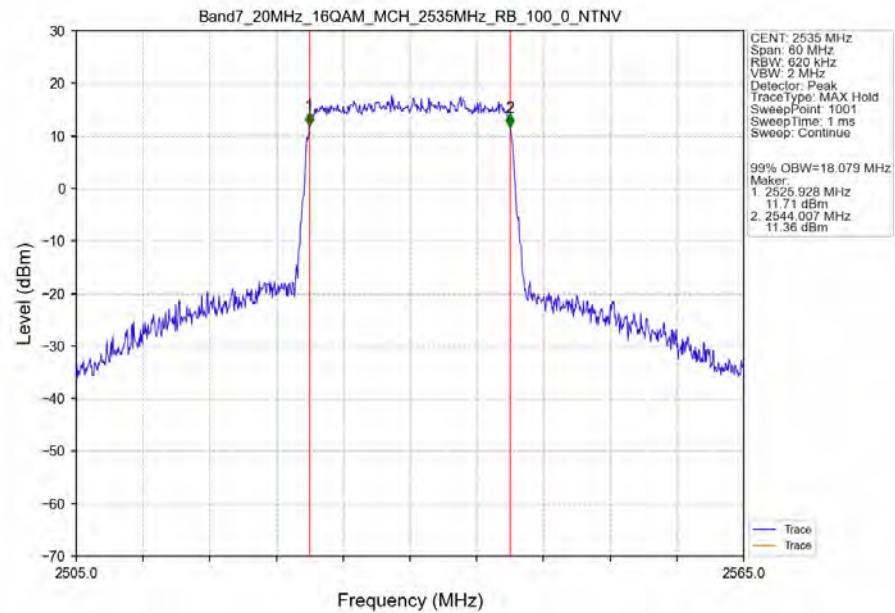
# Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTV



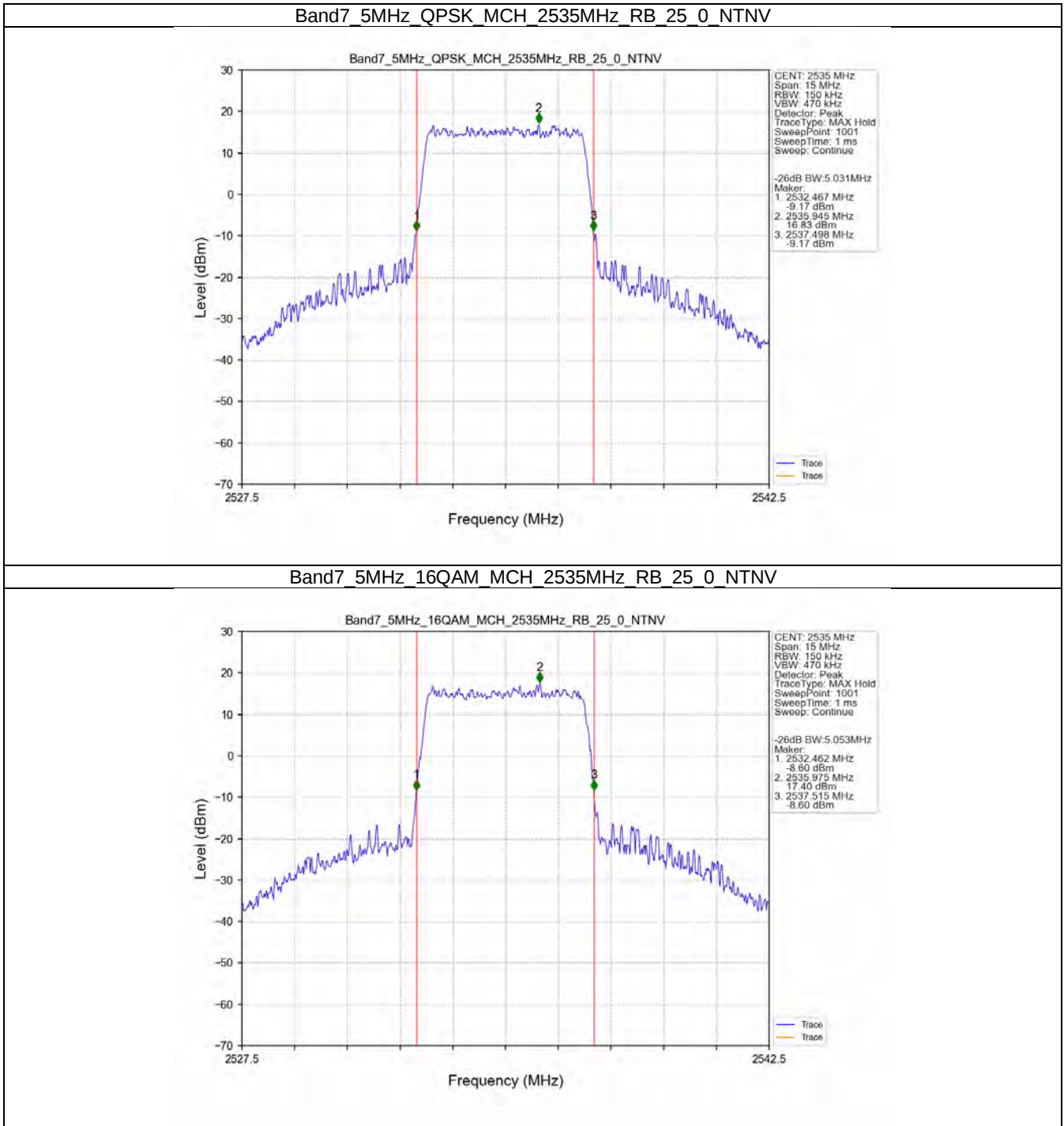
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



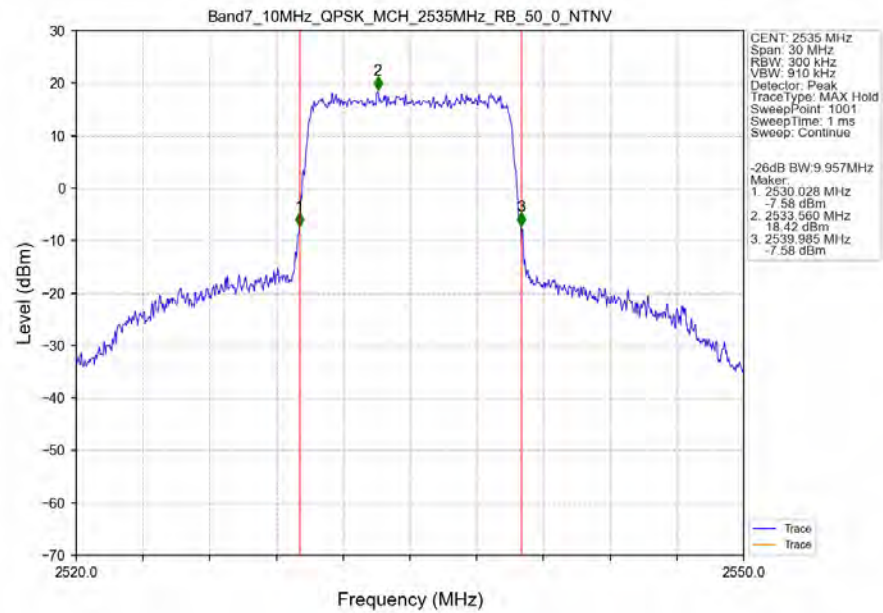
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



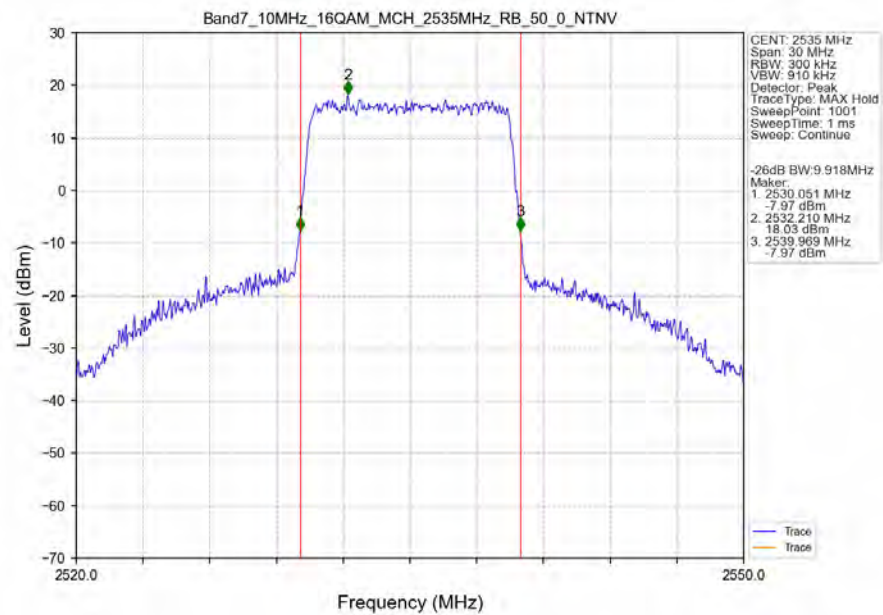
3.2.2 Band7\_XDB



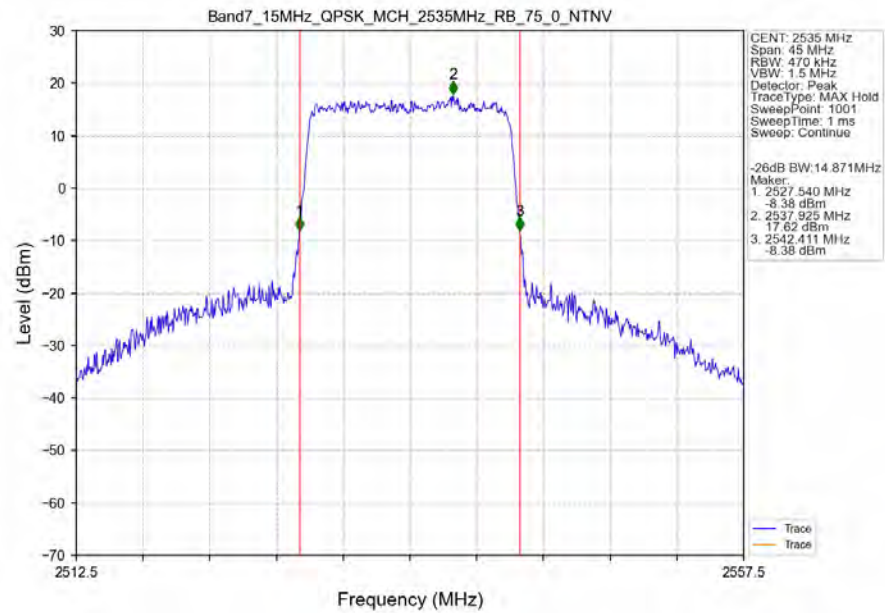
# Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



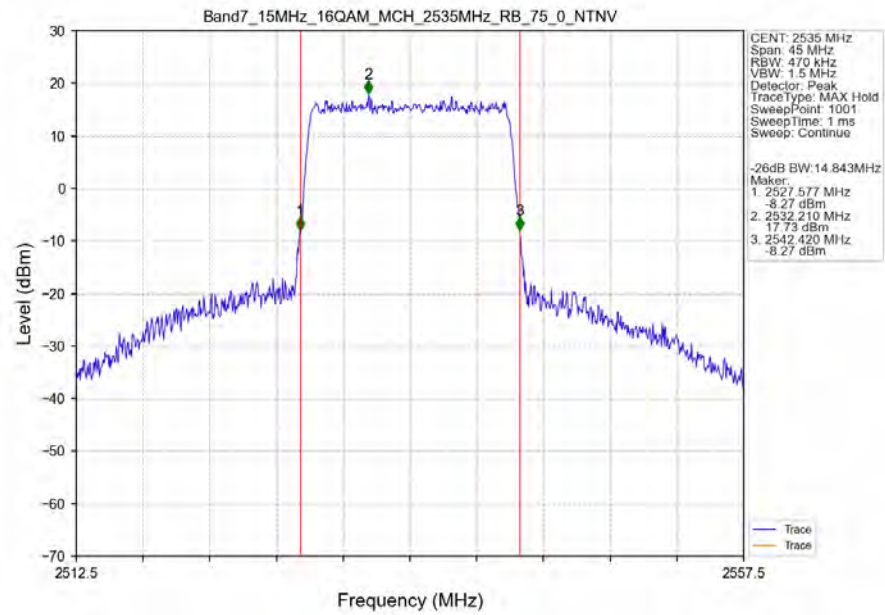
# Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



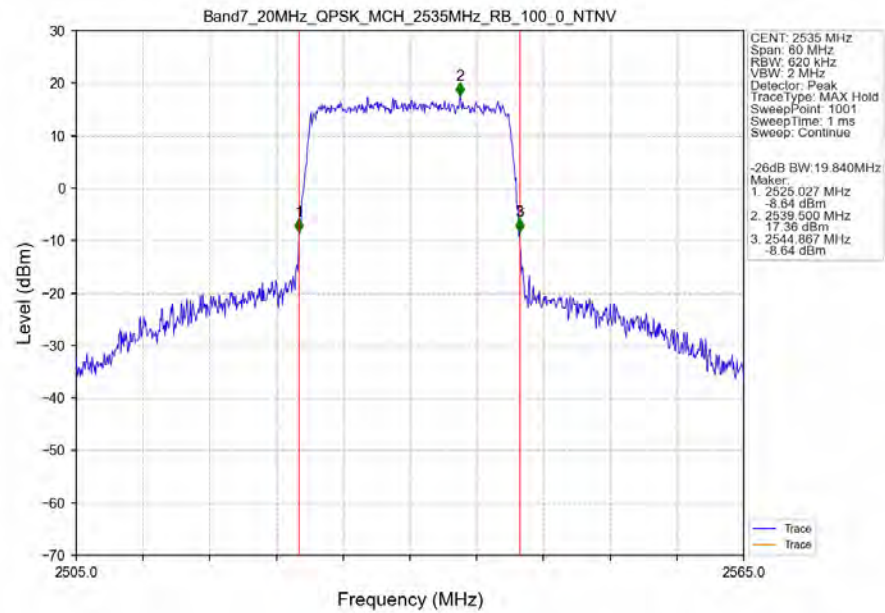
# Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTV



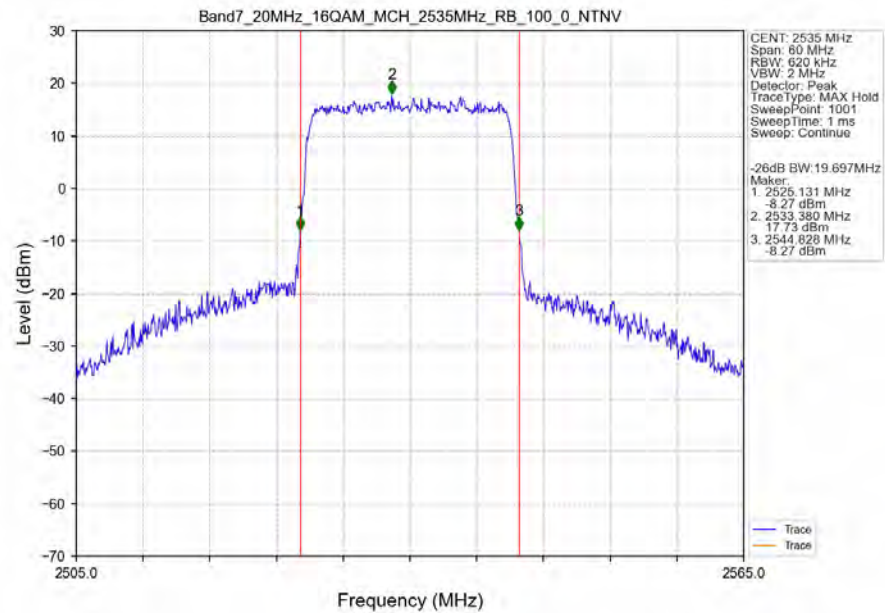
# Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTV



# Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



# Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



## 4. Peak-Average Ratio

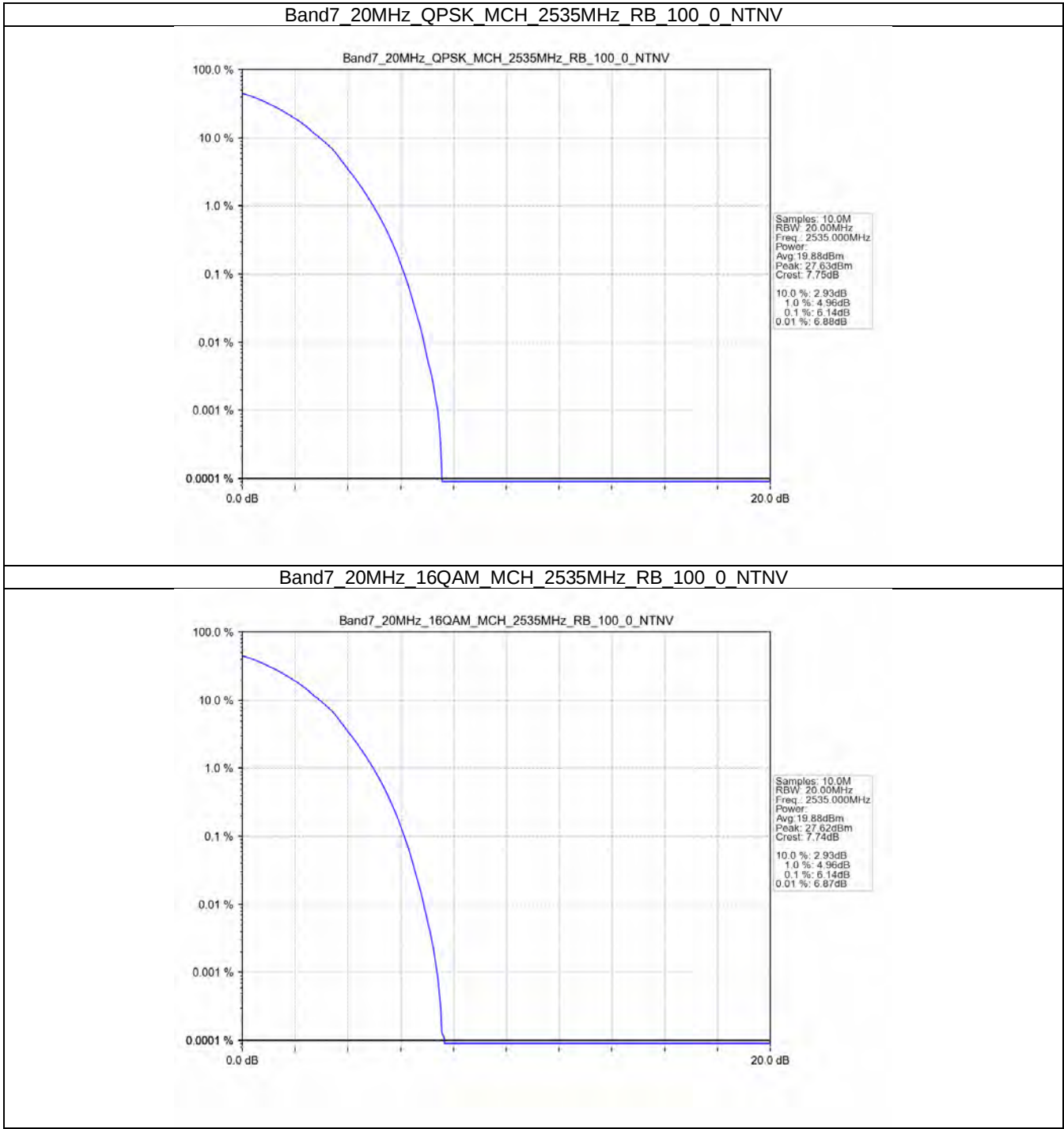
### 4.1 Test Result

#### 4.1.1 B7\_20MHz

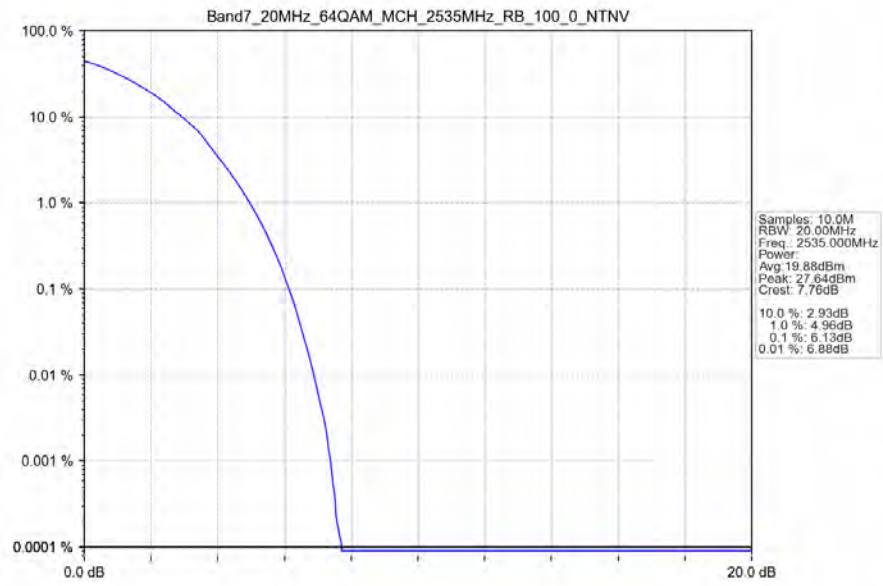
| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2535            | 100           | 0      | 6.14                    | <=13  | Pass    |
| 16QAM                             | 2535            | 100           | 0      | 6.14                    | <=13  | Pass    |
| 64QAM                             | 2535            | 100           | 0      | 6.13                    | <=13  | Pass    |
| 256QAM                            | 2535            | 100           | 0      | 6.55                    | <=13  | Pass    |

4.2 Test Graph

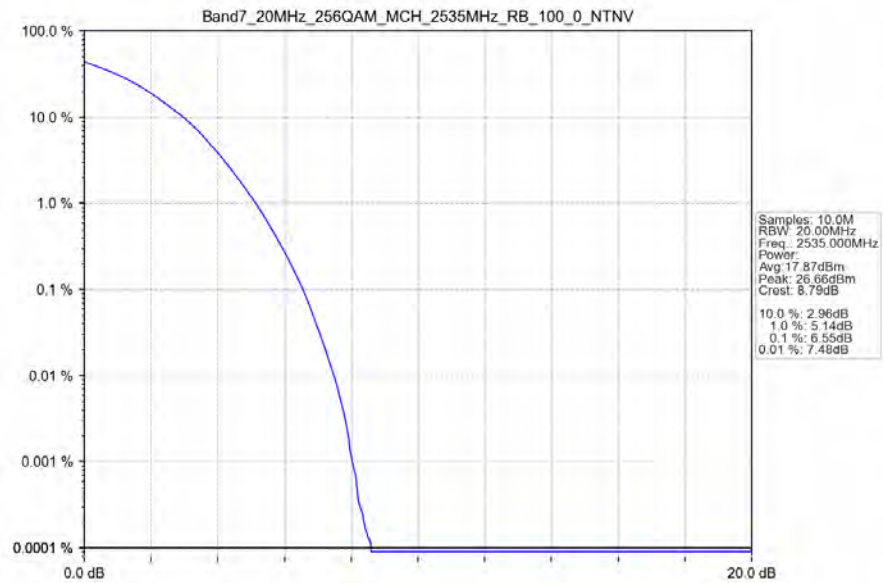
4.2.1 B7\_20MHz



Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 256QAM MCH 2535MHz RB 100 0 NTNV



## 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

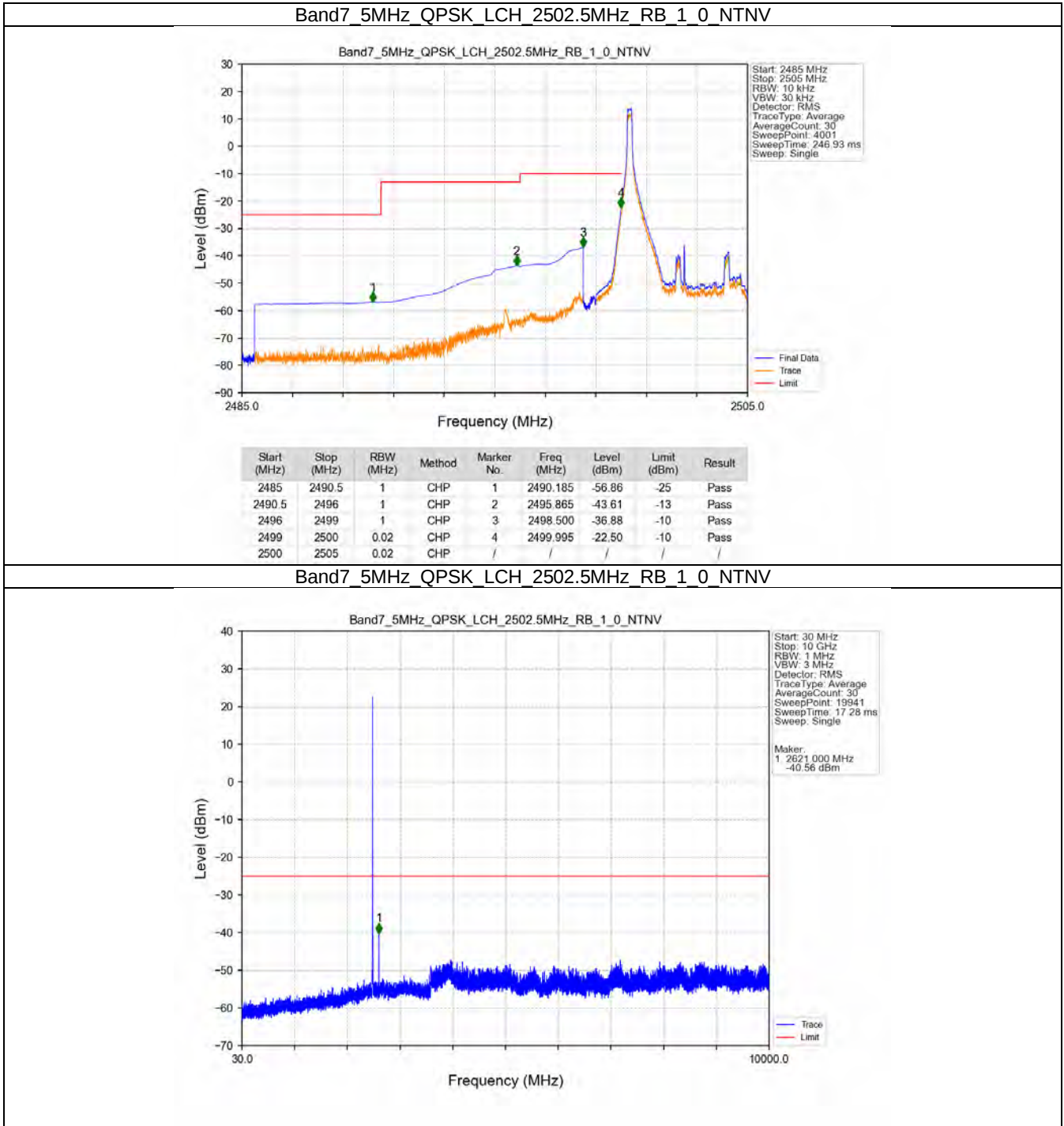
| Band: 7 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | 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

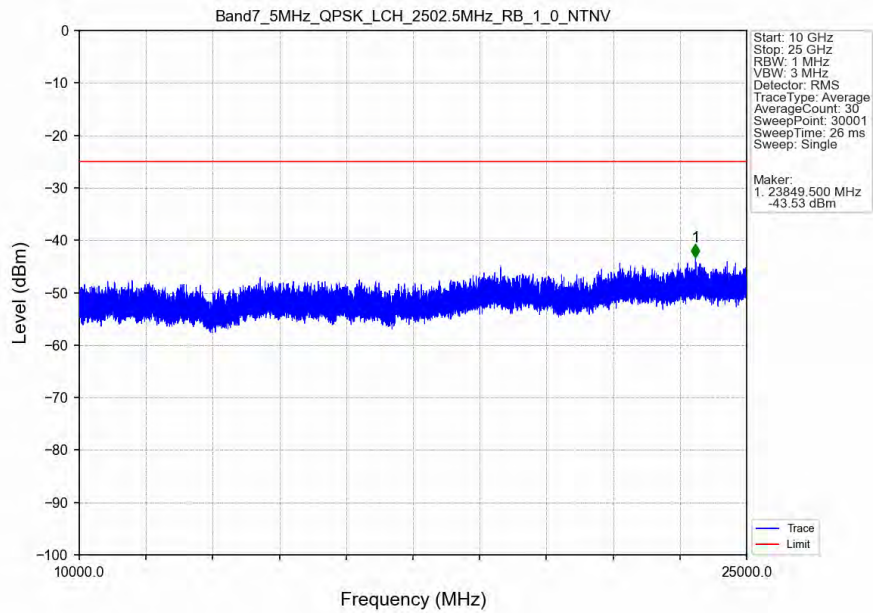
| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation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

5.2 Test Graph

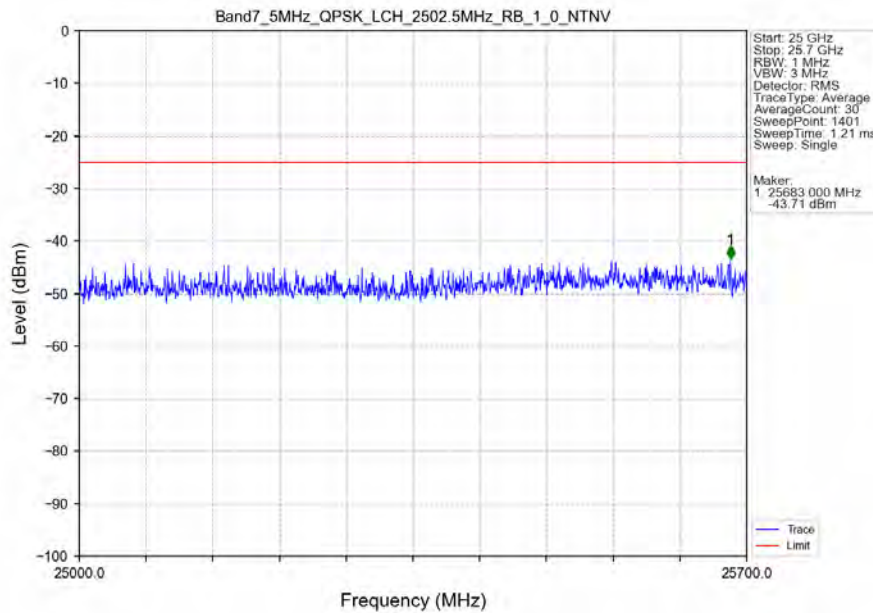
5.2.1 B7\_5MHz



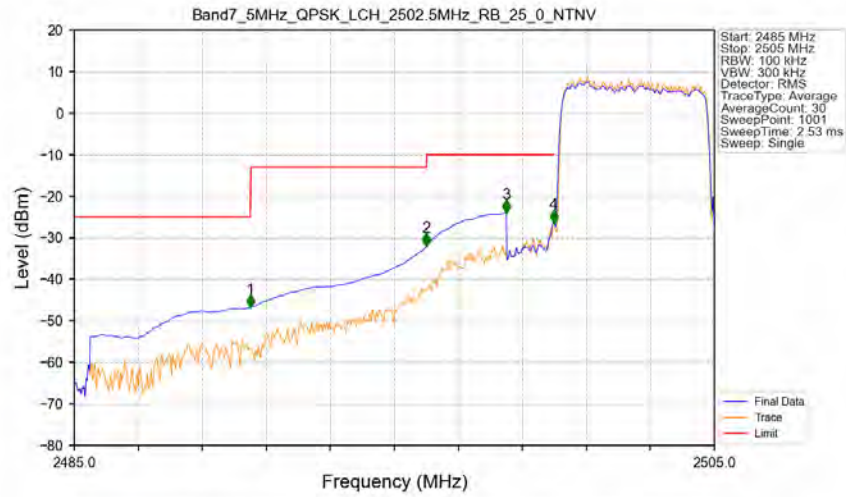
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN

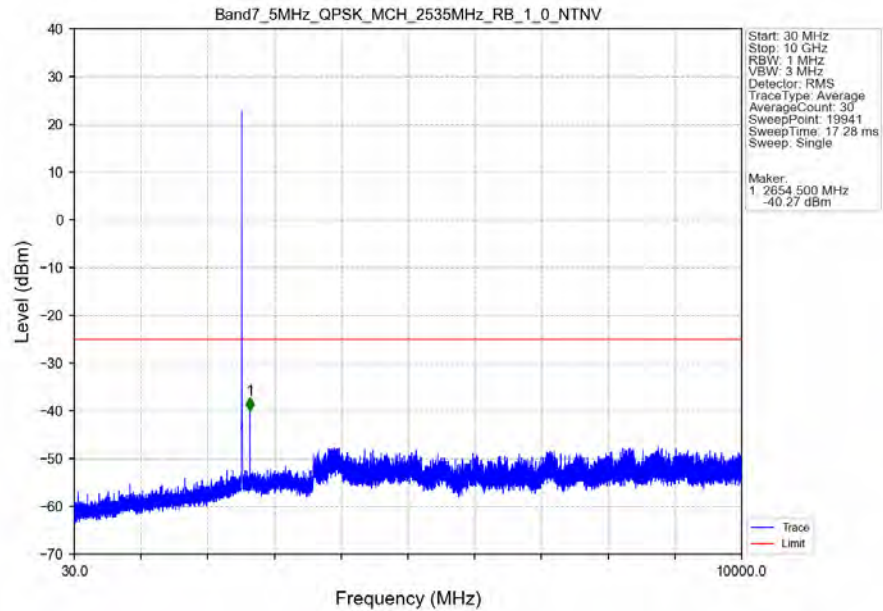


# Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTV

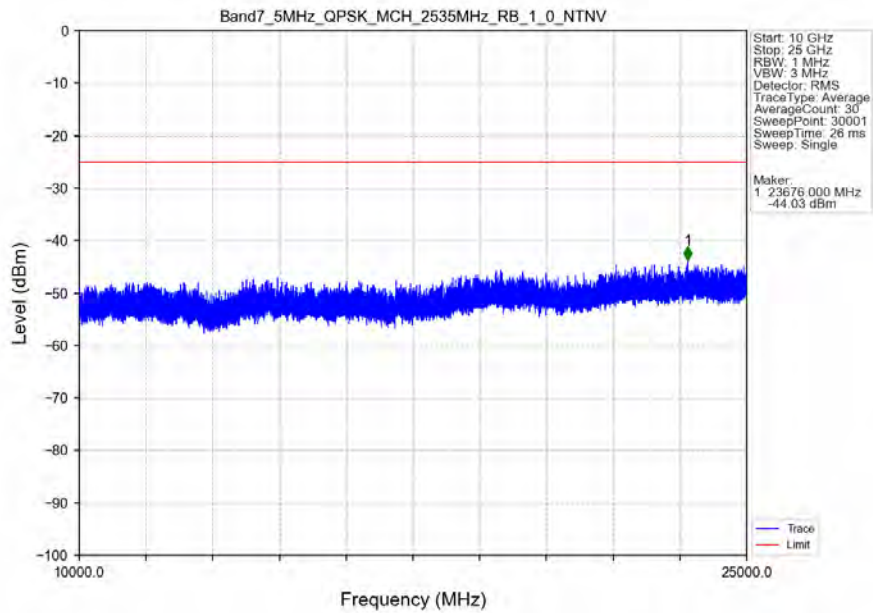


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.500   | -46.78      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2496.000   | -32.06      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.500   | -23.99      | -10         | Pass   |
| 2499        | 2500       | 0.101     | CHP    | 4          | 2499.980   | -26.41      | -10         | Pass   |
| 2500        | 2505       | 0.101     | CHP    | /          | /          | /           | /           | /      |

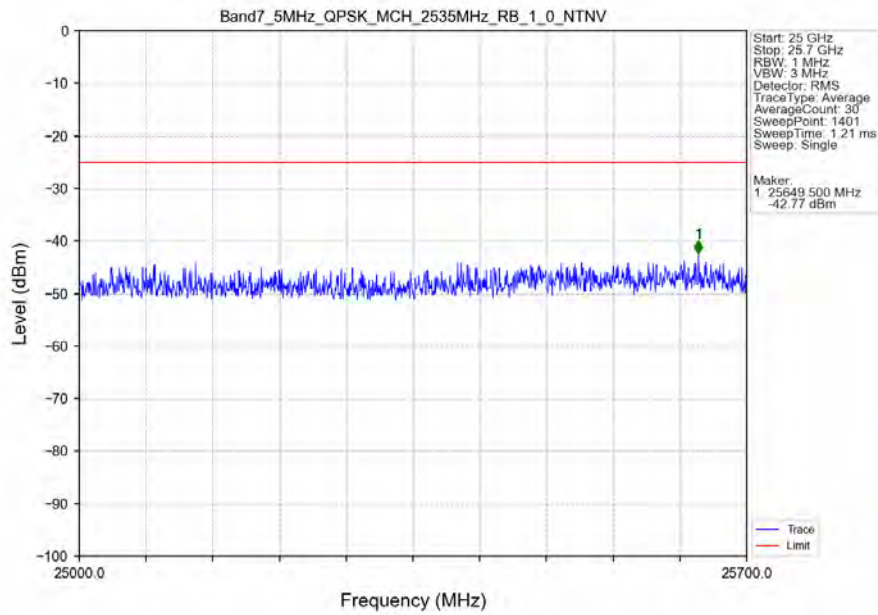
# Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTV



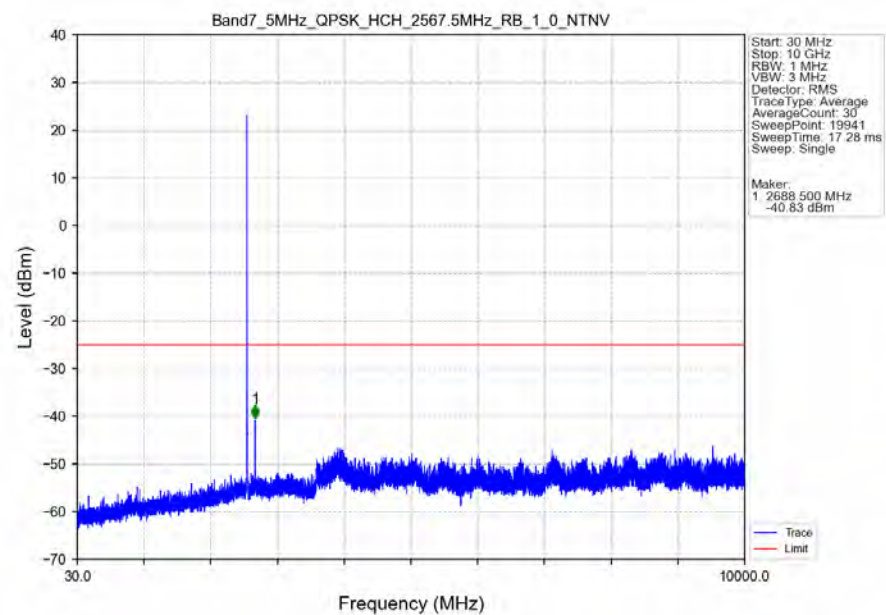
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



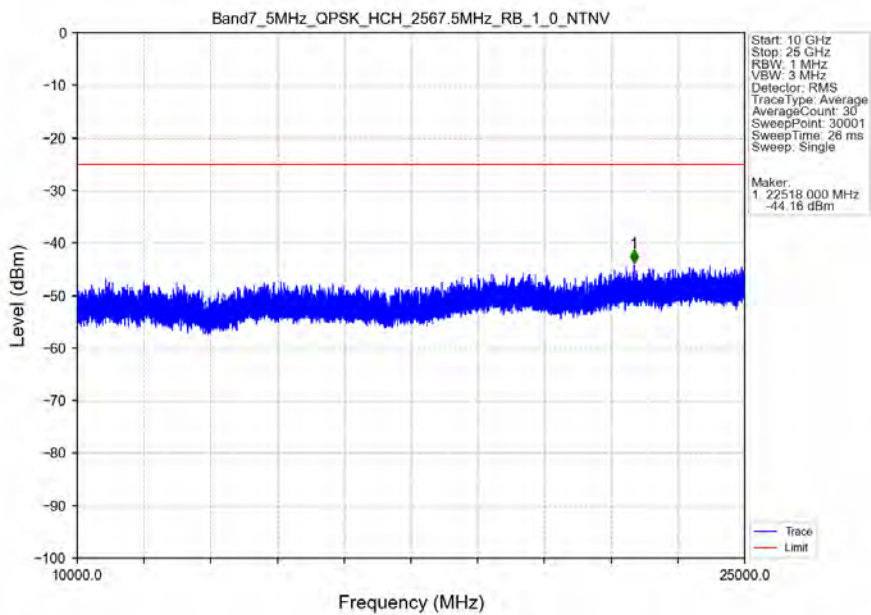
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



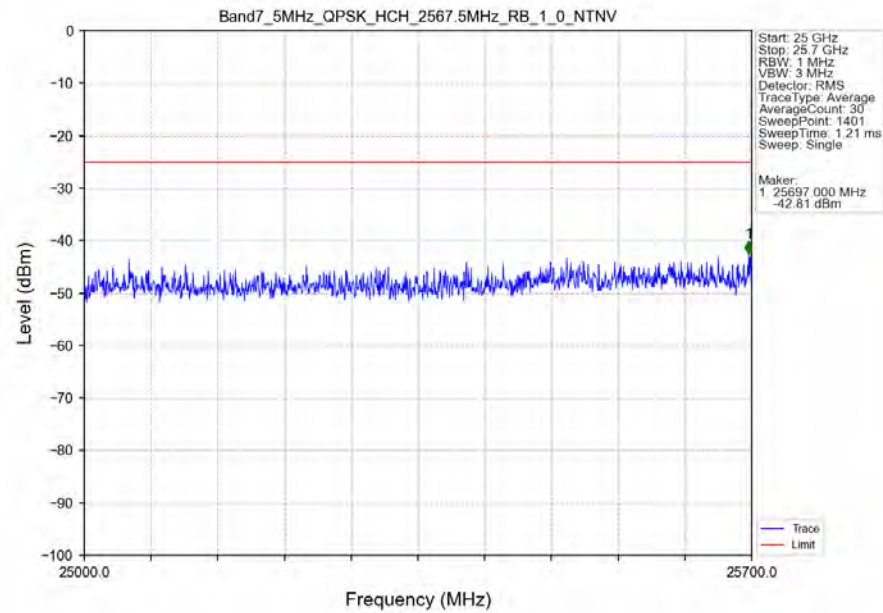
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



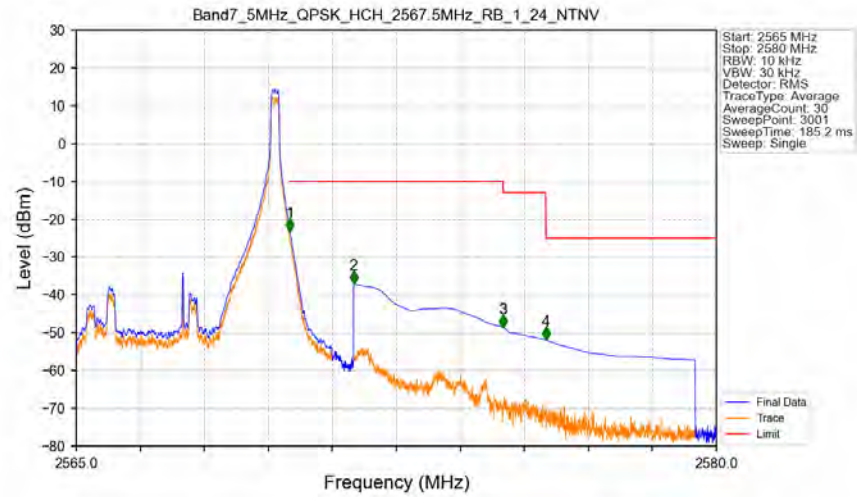
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN

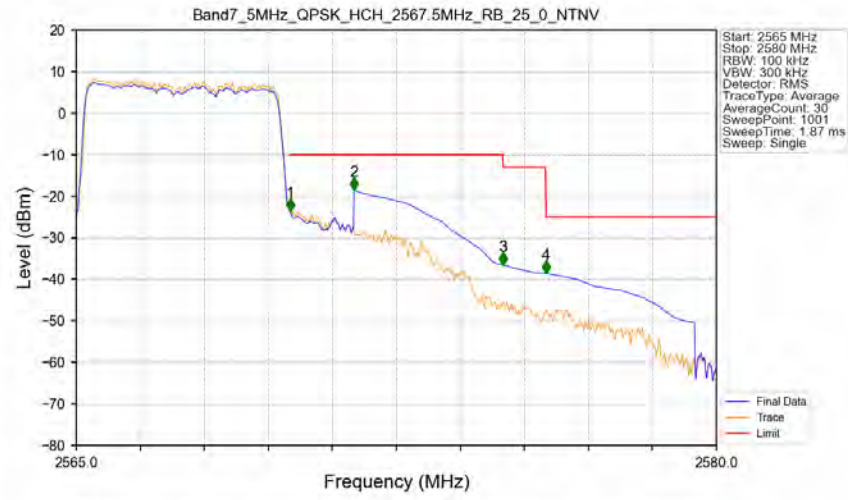


Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB 1 24 NTN



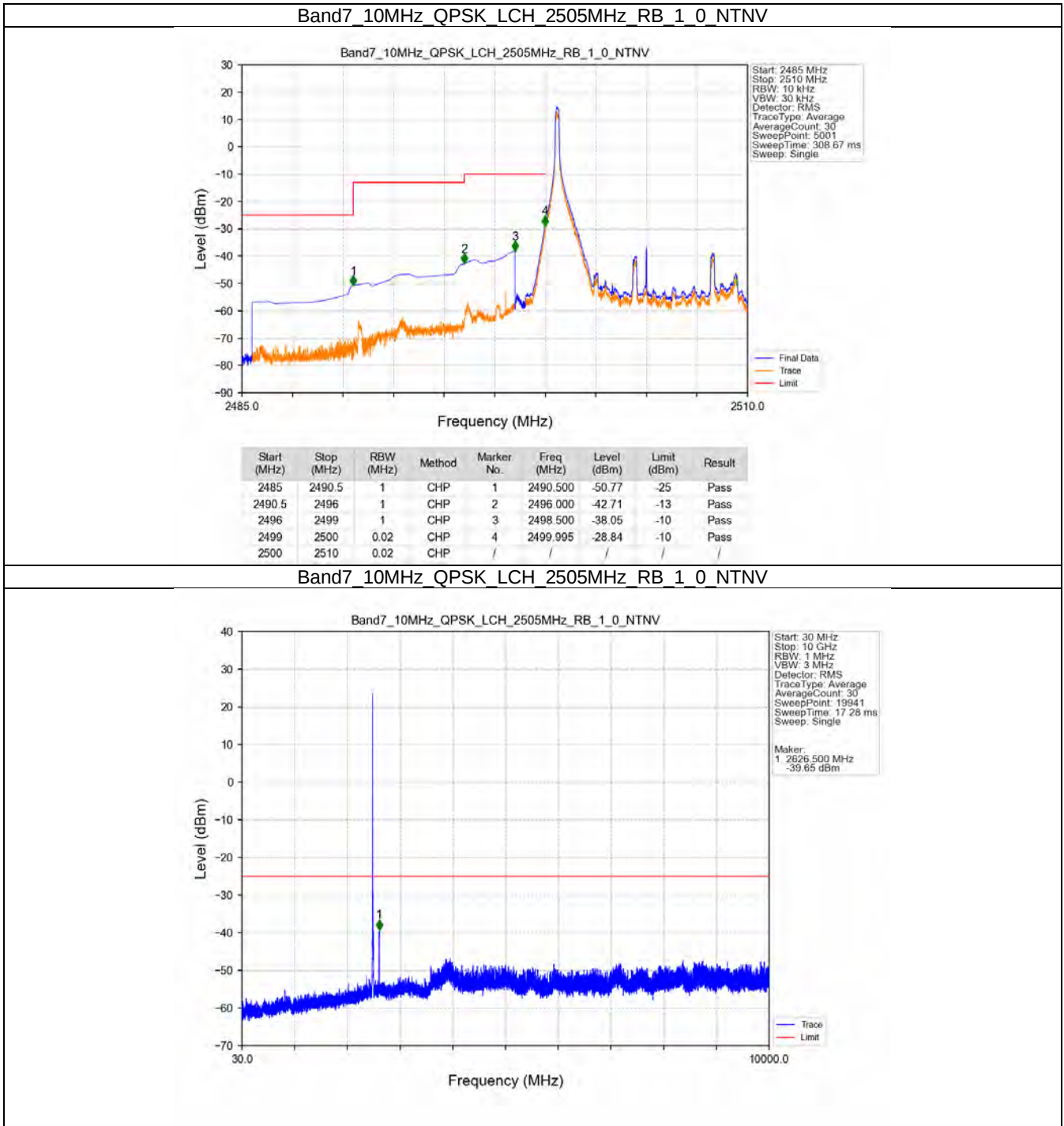
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2565        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -23.20      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -37.04      | -10         | Pass   |
| 2575        | 2576       | 1         | CHP    | 3          | 2575.005   | -48.62      | -13         | Pass   |
| 2576        | 2580       | 1         | CHP    | 4          | 2576.005   | -51.98      | -25         | Pass   |

# Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN

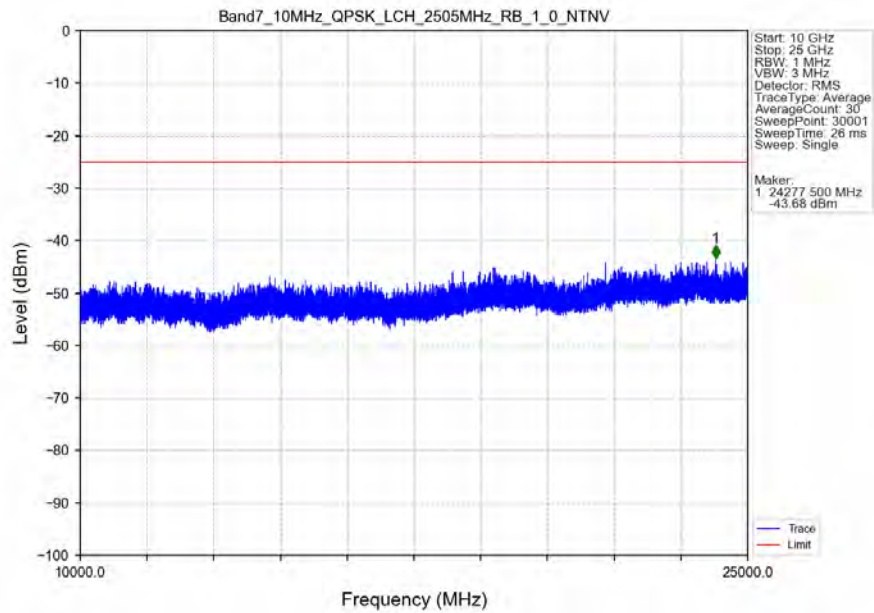


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2565        | 2570       | 0.101     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.101     | CHP    | 1          | 2570.010   | -23.72      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.510   | -18.49      | -10         | Pass   |
| 2575        | 2576       | 1         | CHP    | 3          | 2575.005   | -36.61      | -13         | Pass   |
| 2576        | 2580       | 1         | CHP    | 4          | 2576.010   | -38.56      | -25         | Pass   |

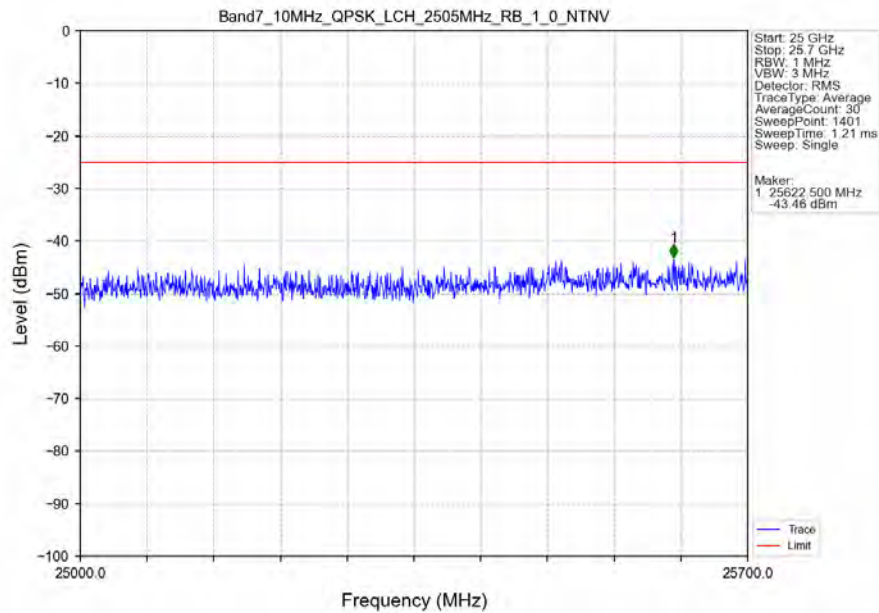
5.2.2 B7\_10MHz



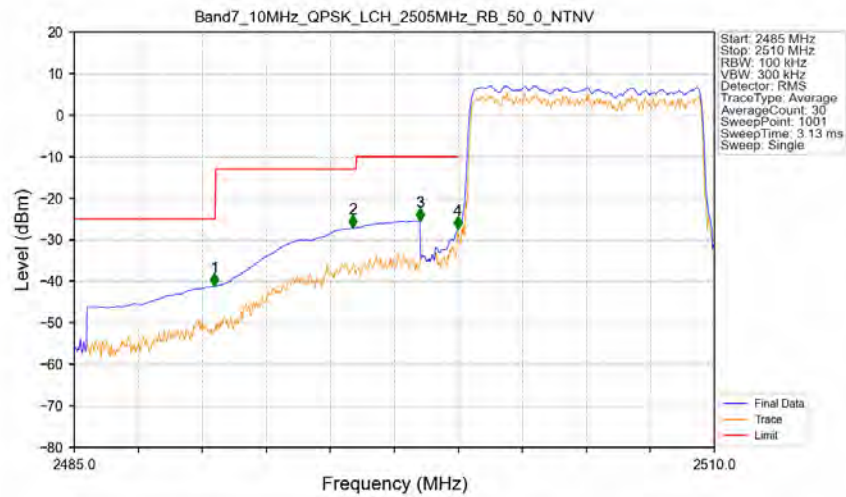
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_1\_0\_NTNV



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

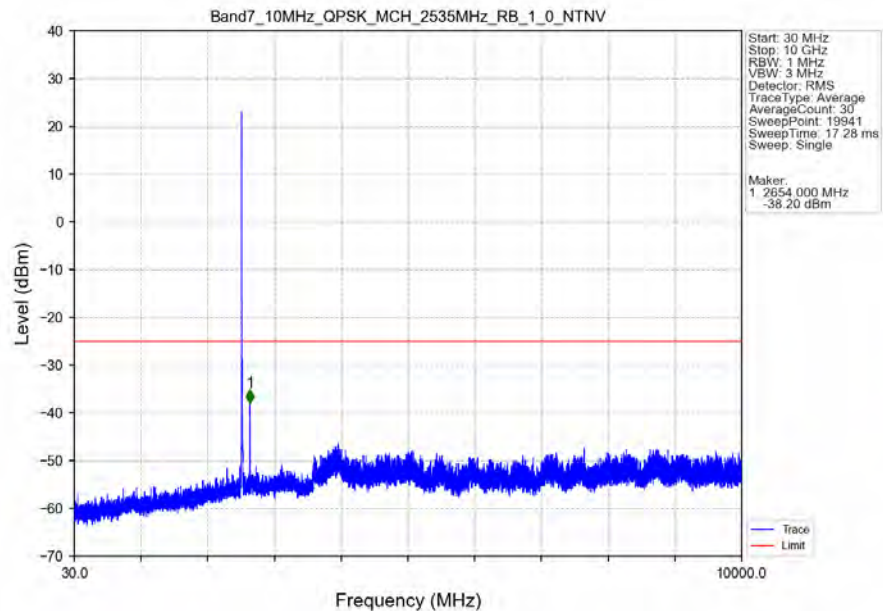


Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV

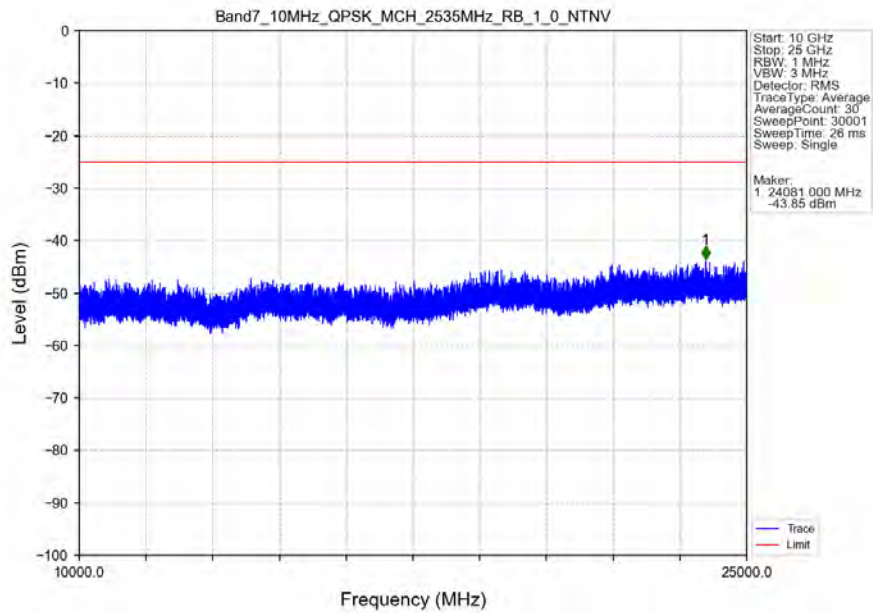


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.475   | -41.13      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.875   | -27.14      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.500   | -25.46      | -10         | Pass   |
| 2499        | 2500       | 0.199     | CHP    | 4          | 2499.975   | -27.51      | -10         | Pass   |
| 2500        | 2510       | 0.199     | CHP    | /          | /          | /           | /           | /      |

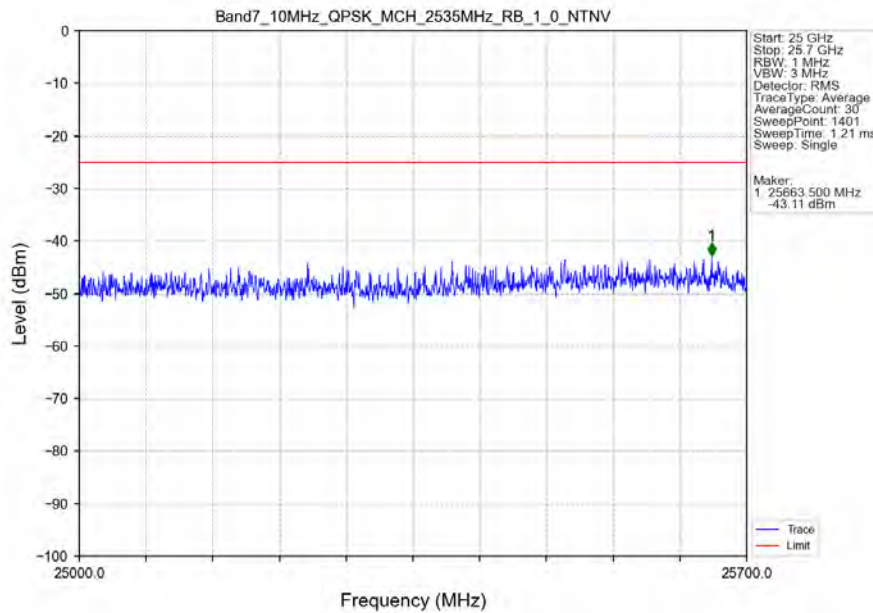
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



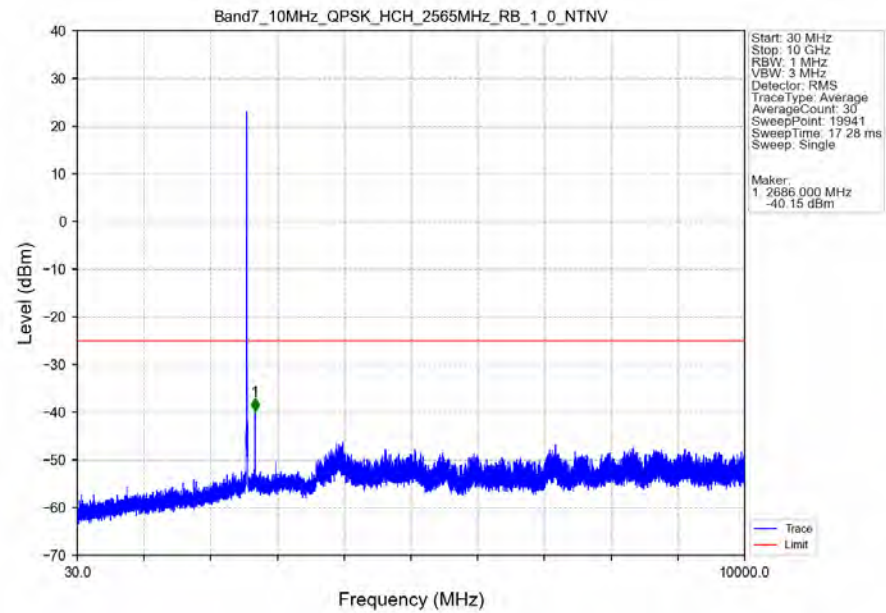
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



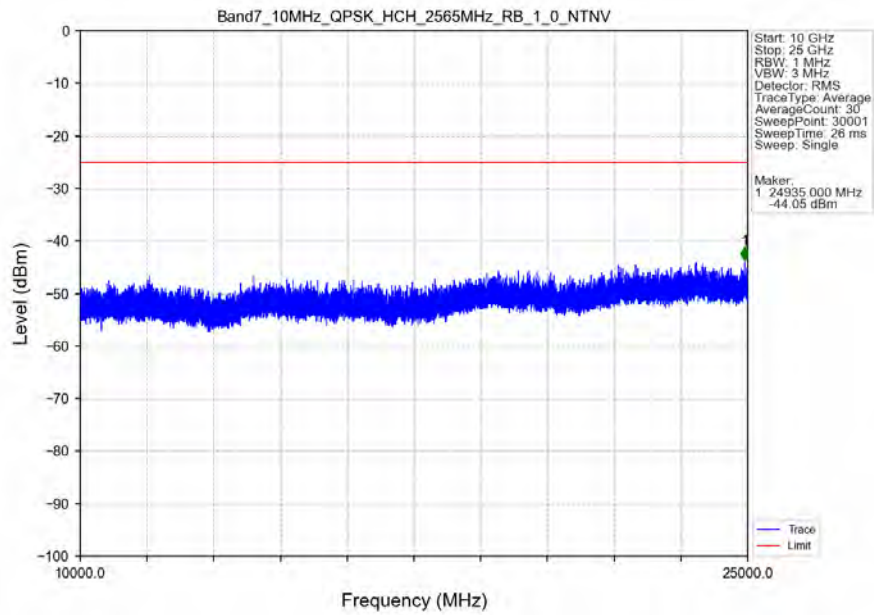
Band7 10MHz QPSK MCH 2535MHz\_RB 1 0 NTN



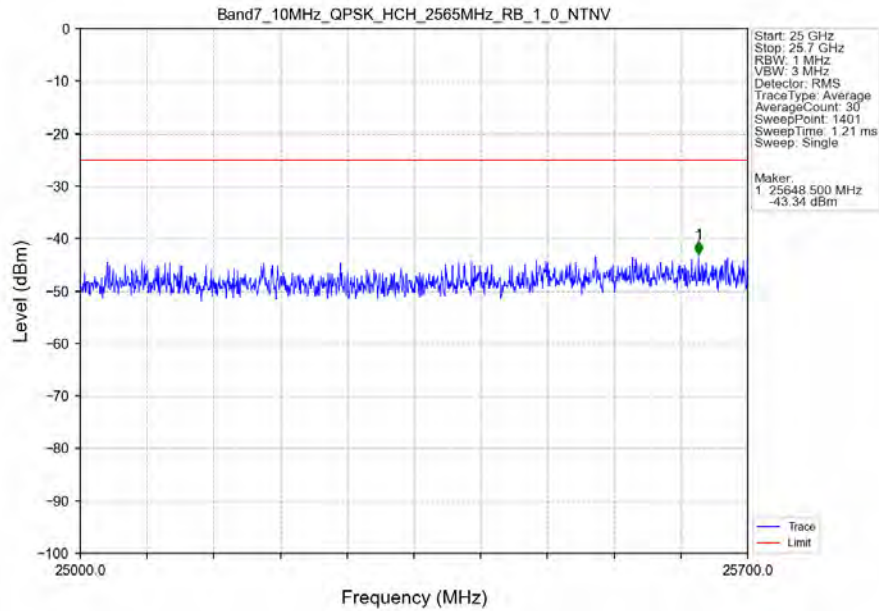
# Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



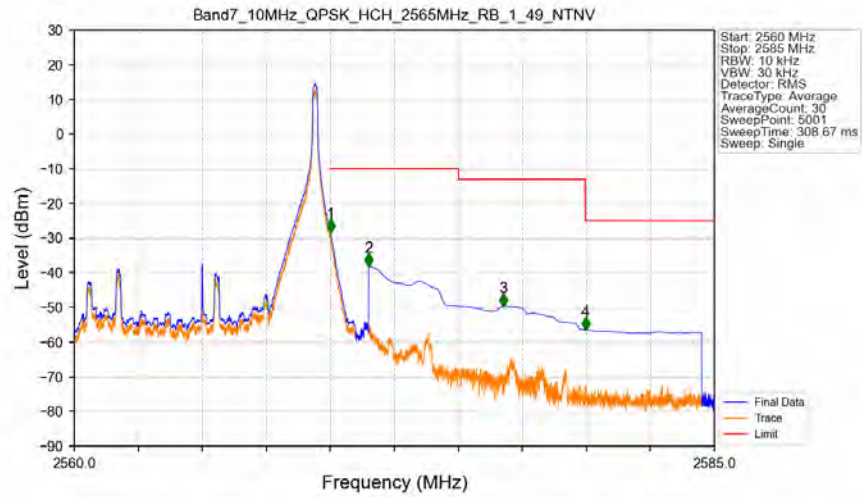
# Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_0\_NTNV



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

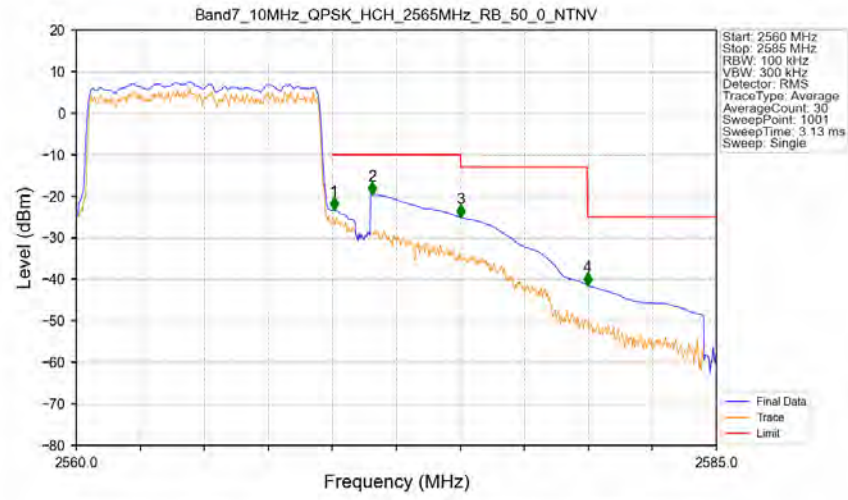


# Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_1\_49\_NTNV



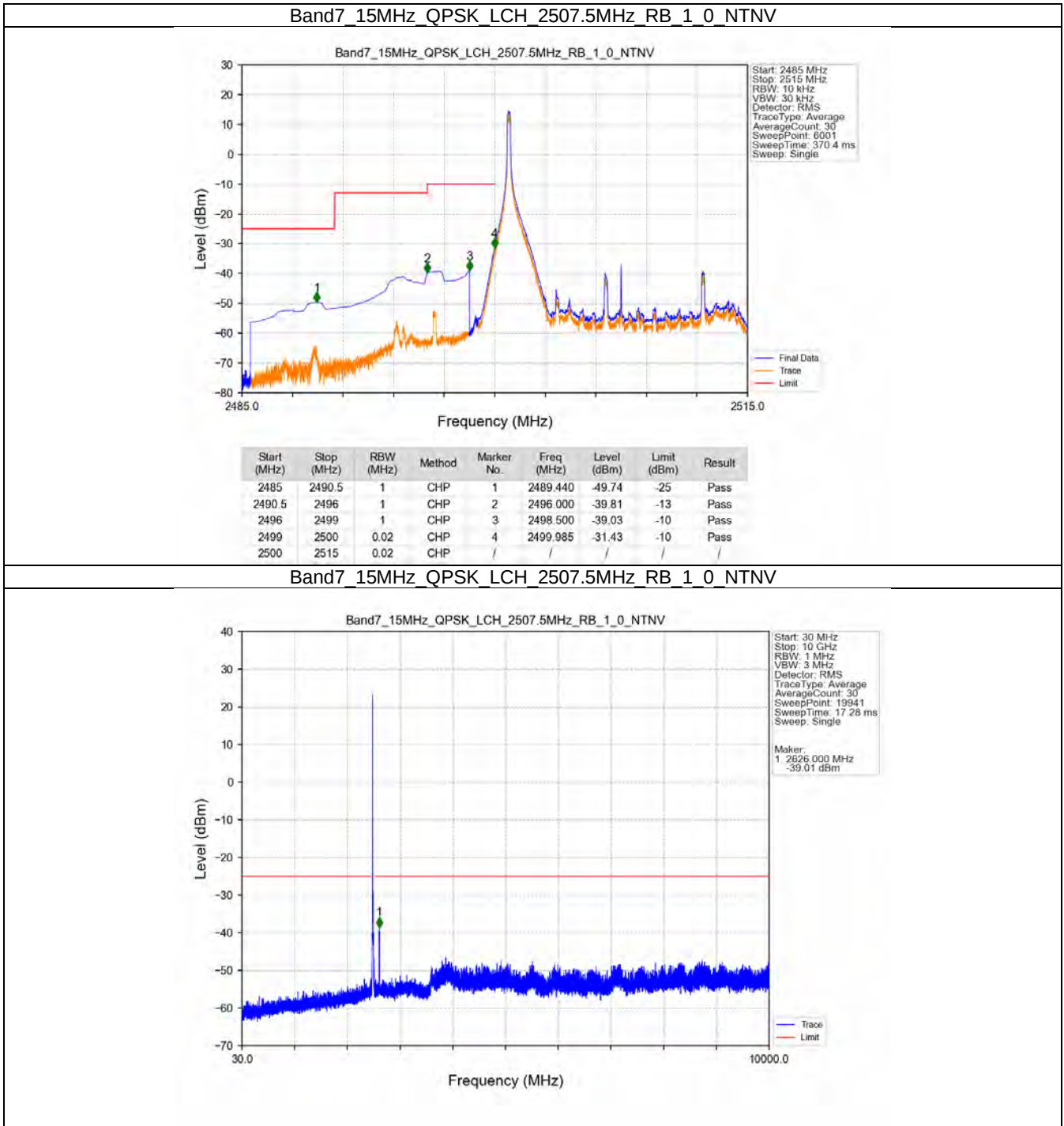
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2560        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.015   | -28.38      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -38.13      | -10         | Pass   |
| 2575        | 2579.957   | 1         | CHP    | 3          | 2576.760   | -49.62      | -13         | Pass   |
| 2579.957    | 2585       | 1         | CHP    | 4          | 2579.970   | -56.45      | -25         | Pass   |

# Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTV

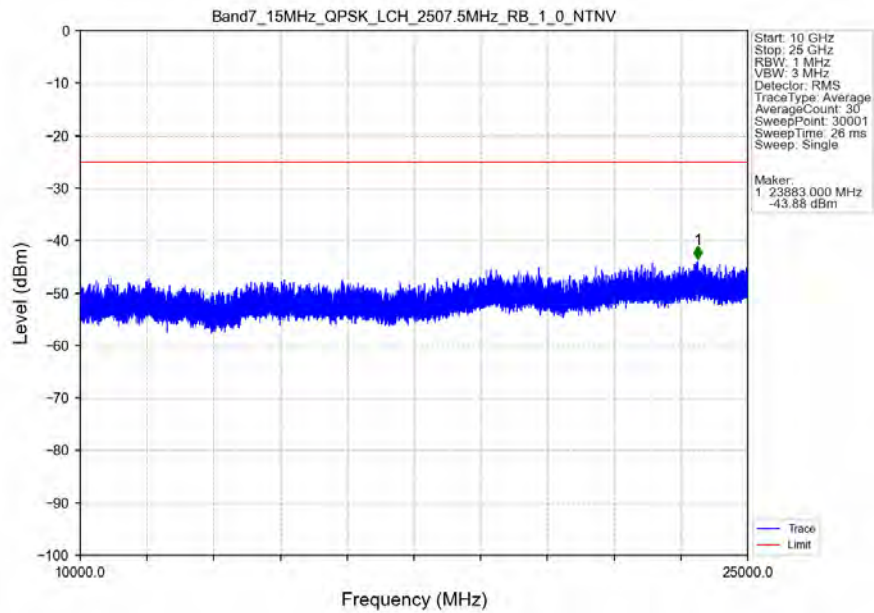


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2560        | 2570       | 0.199     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.199     | CHP    | 1          | 2570.075   | -23.23      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.550   | -19.64      | -10         | Pass   |
| 2575        | 2579.957   | 1         | CHP    | 3          | 2575.025   | -25.05      | -13         | Pass   |
| 2579.957    | 2585       | 1         | CHP    | 4          | 2579.975   | -41.44      | -25         | Pass   |

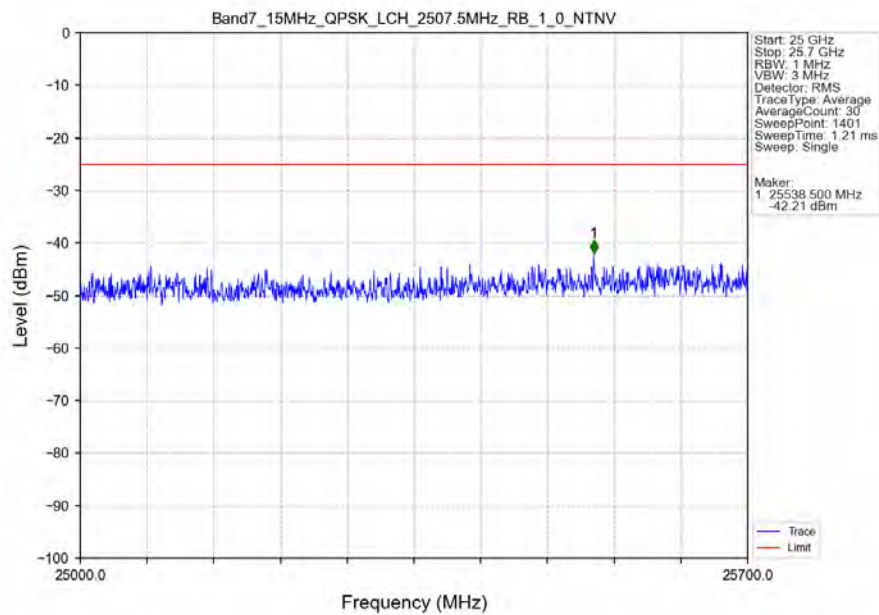
5.2.3 B7\_15MHz



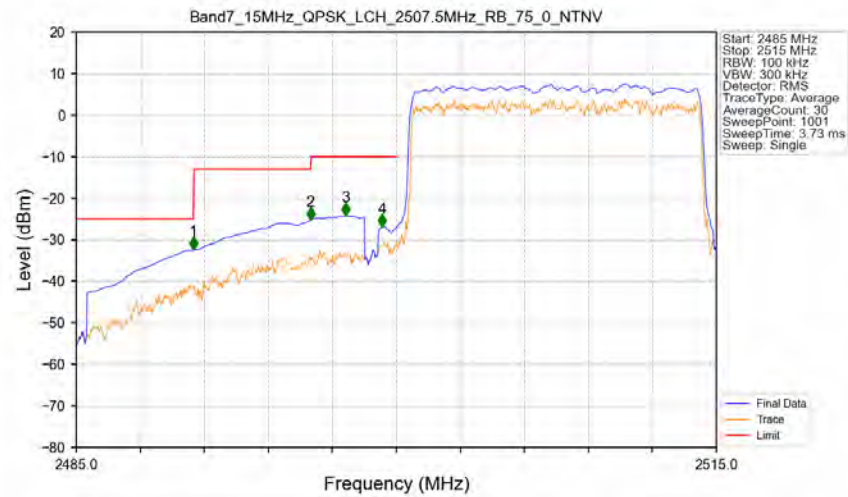
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTV



Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTV

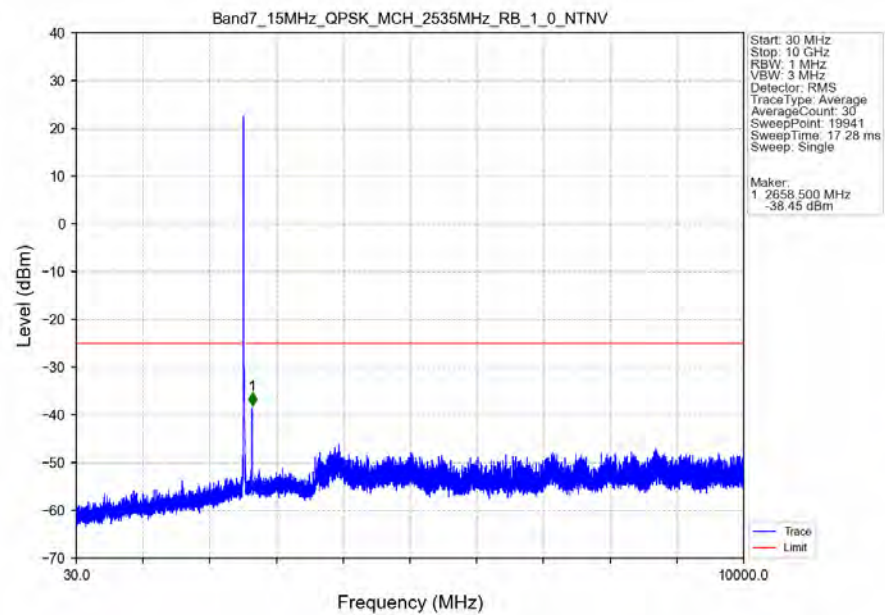


# Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV

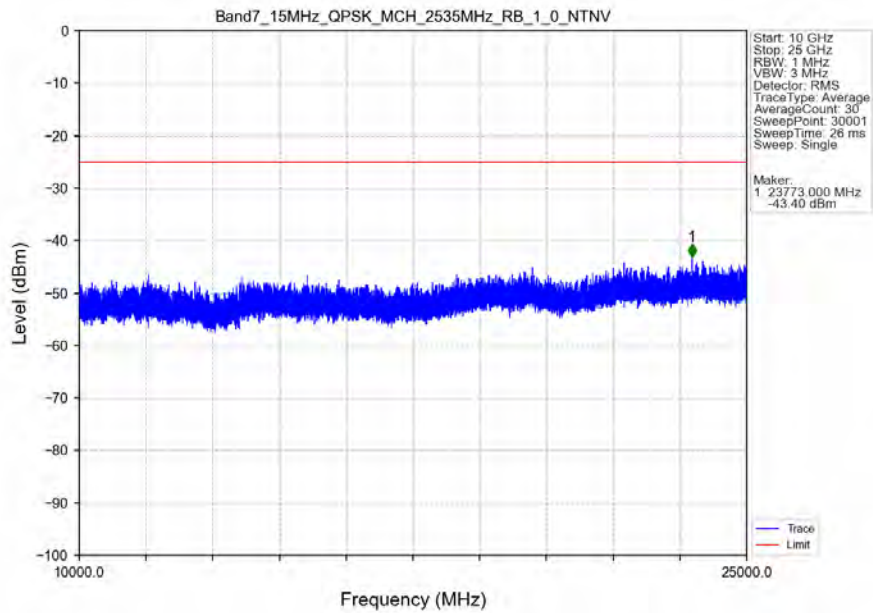


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.490   | -32.49      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.980   | -25.28      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2497.630   | -24.27      | -10         | Pass   |
| 2499        | 2500       | 0.297     | CHP    | 4          | 2499.340   | -26.86      | -10         | Pass   |
| 2500        | 2515       | 0.297     | CHP    | /          | /          | /           | /           | /      |

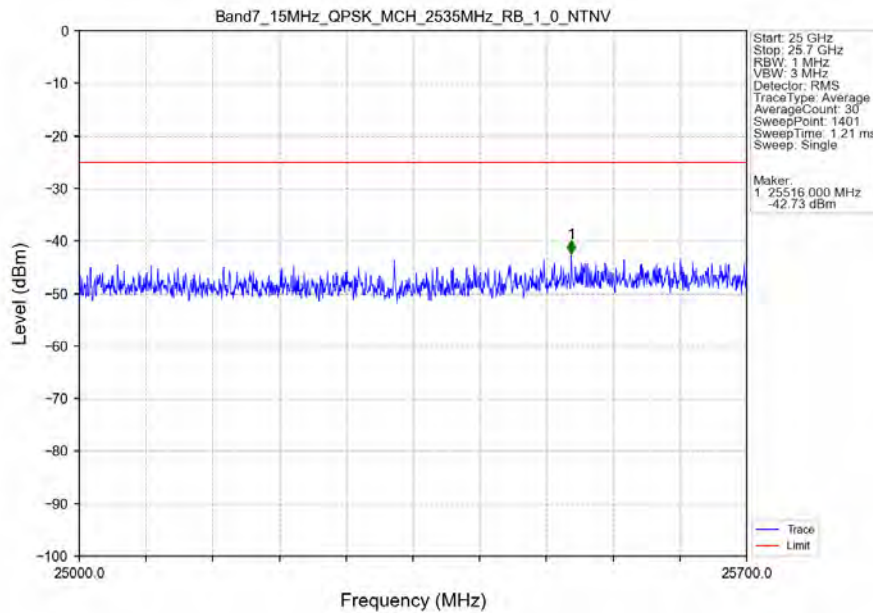
# Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



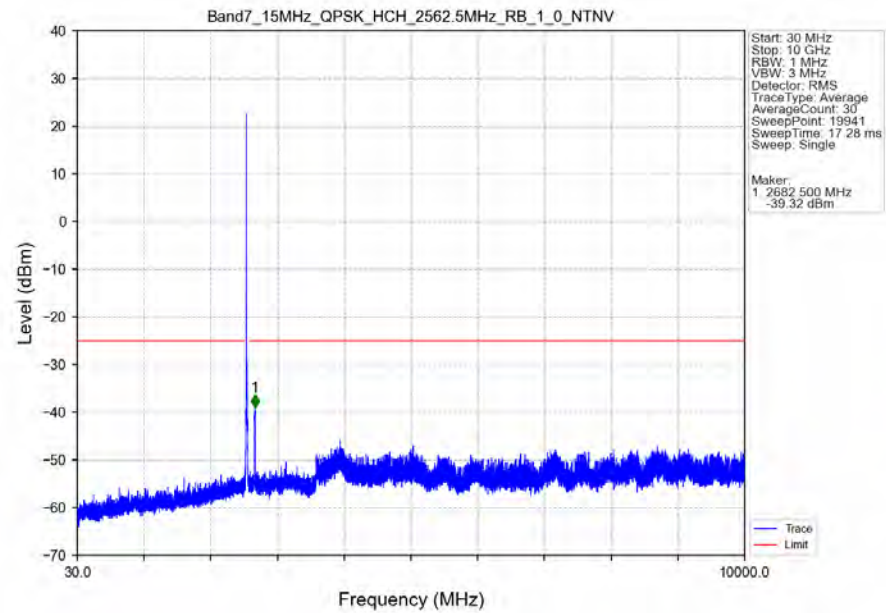
# Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



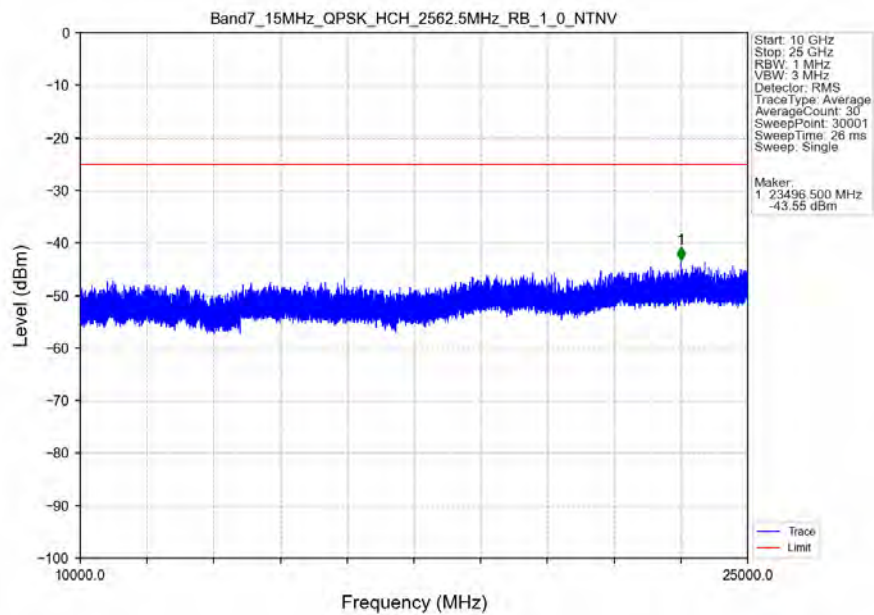
# Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



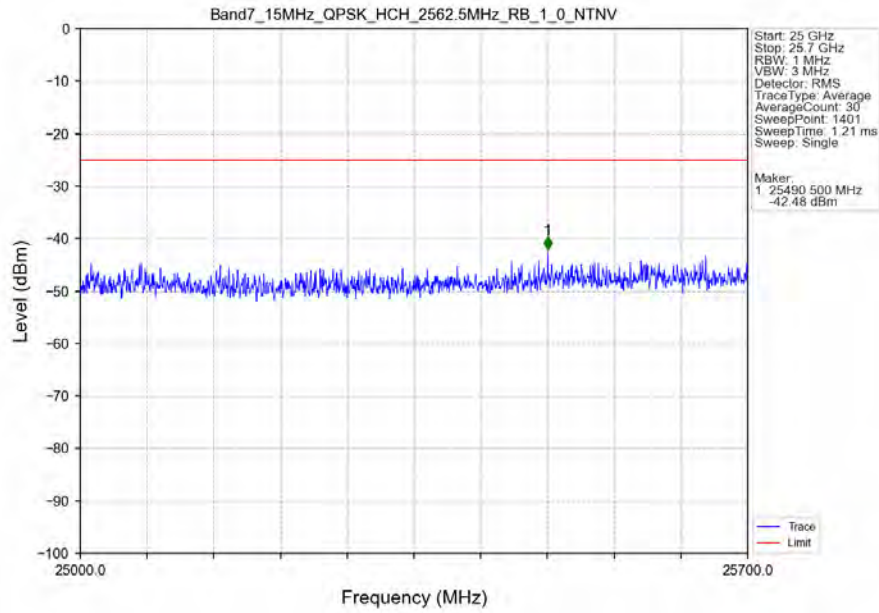
Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTV



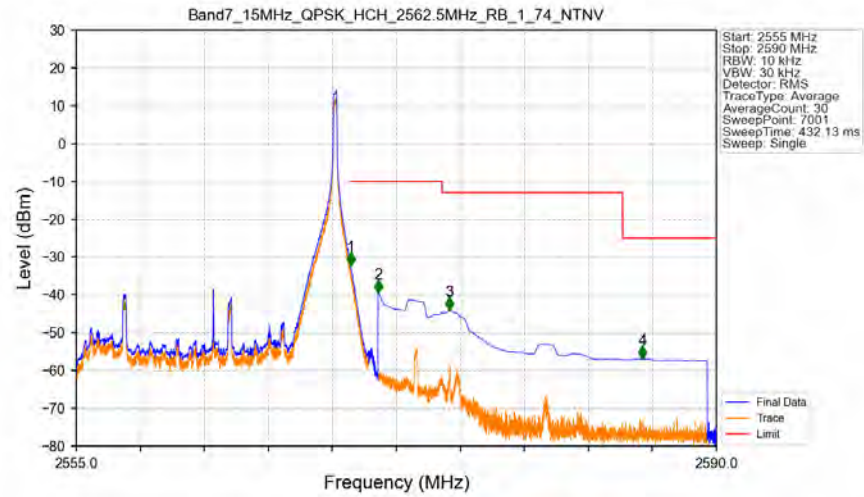
Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTV



# Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTV

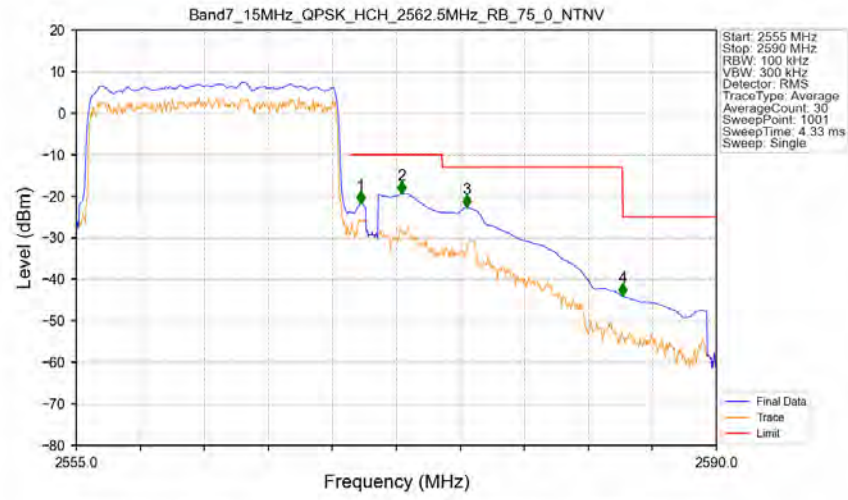


# Band7 15MHz QPSK HCH 2562.5MHz RB 1 74 NTV



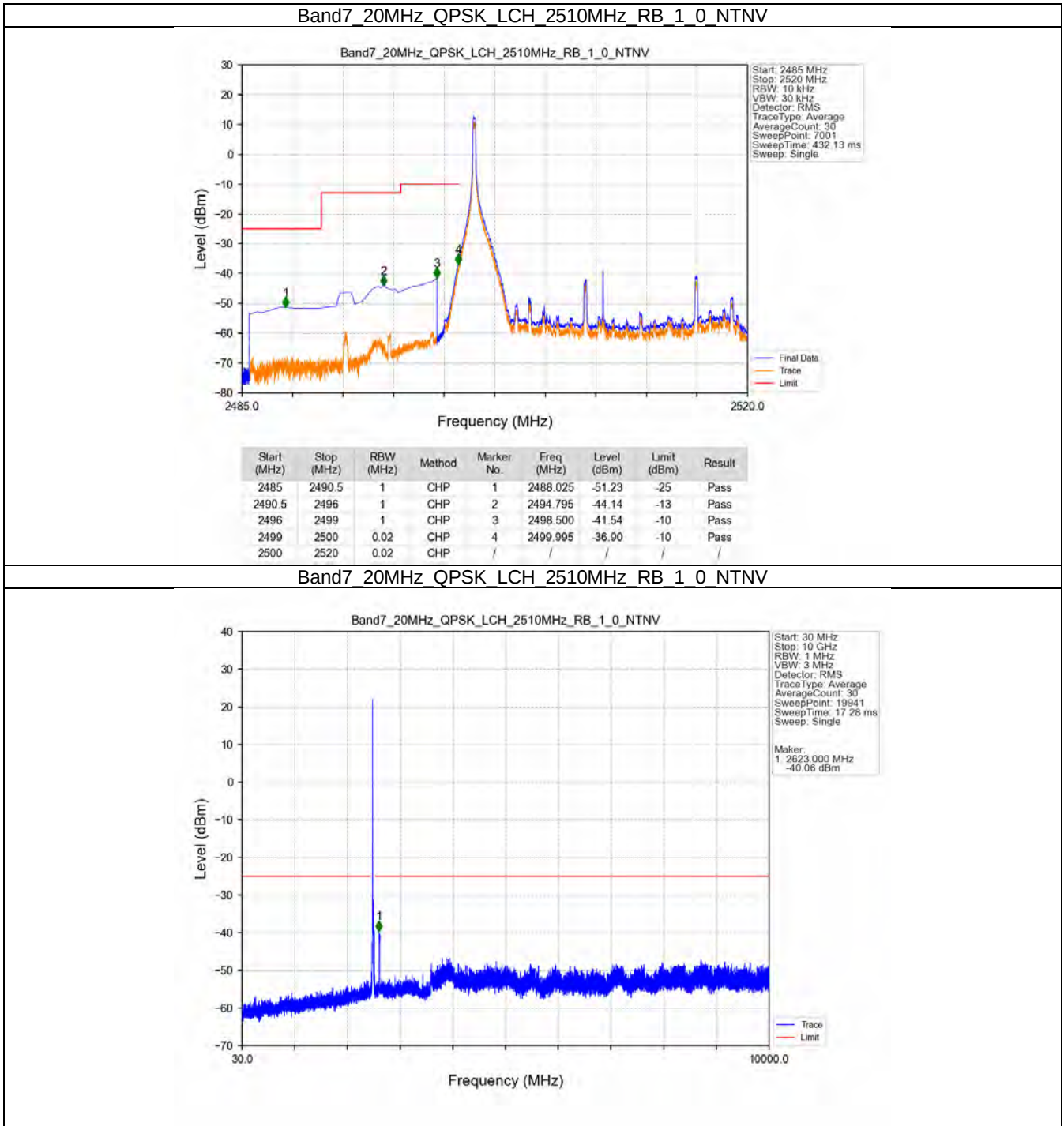
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -32.34      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -39.43      | -10         | Pass   |
| 2575        | 2584.871   | 1         | CHP    | 3          | 2575.410   | -44.17      | -13         | Pass   |
| 2584.871    | 2590       | 1         | CHP    | 4          | 2585.965   | -56.99      | -25         | Pass   |

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

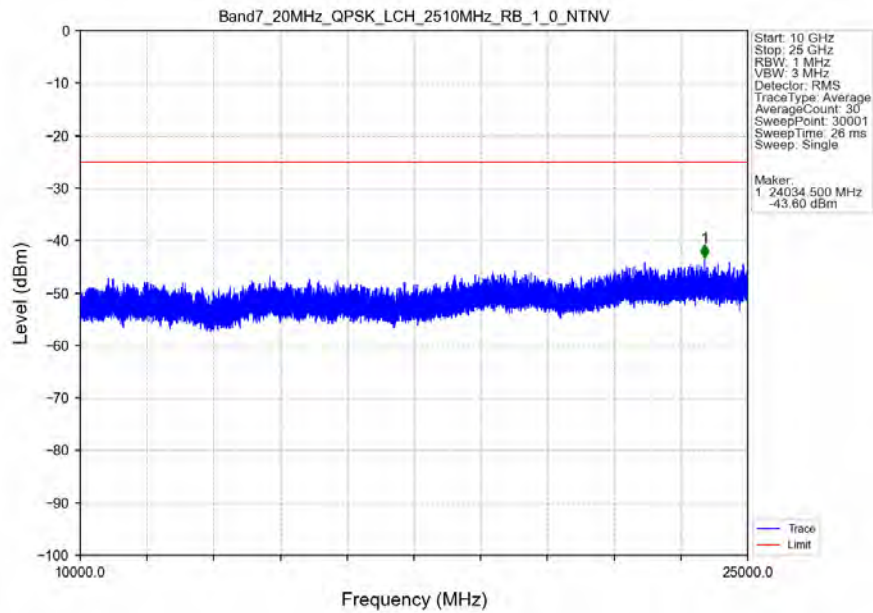


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.297     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.297     | CHP    | 1          | 2570.540   | -21.78      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2572.780   | -19.47      | -10         | Pass   |
| 2575        | 2584.871   | 1         | CHP    | 3          | 2576.350   | -22.70      | -13         | Pass   |
| 2584.871    | 2590       | 1         | CHP    | 4          | 2584.890   | -44.13      | -25         | Pass   |

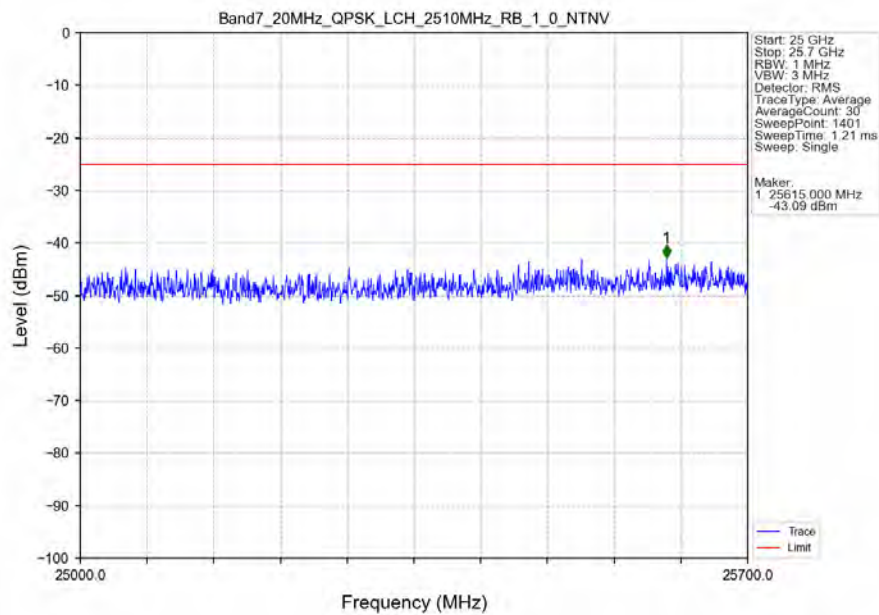
5.2.4 B7\_20MHz



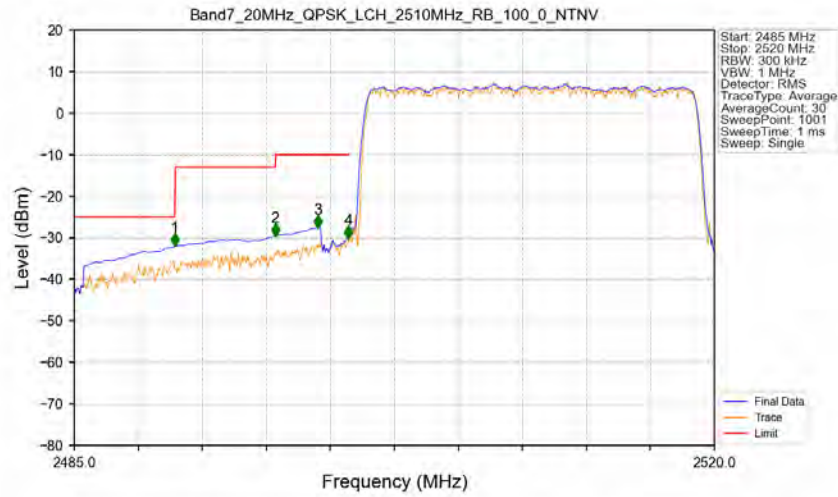
Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV



Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV

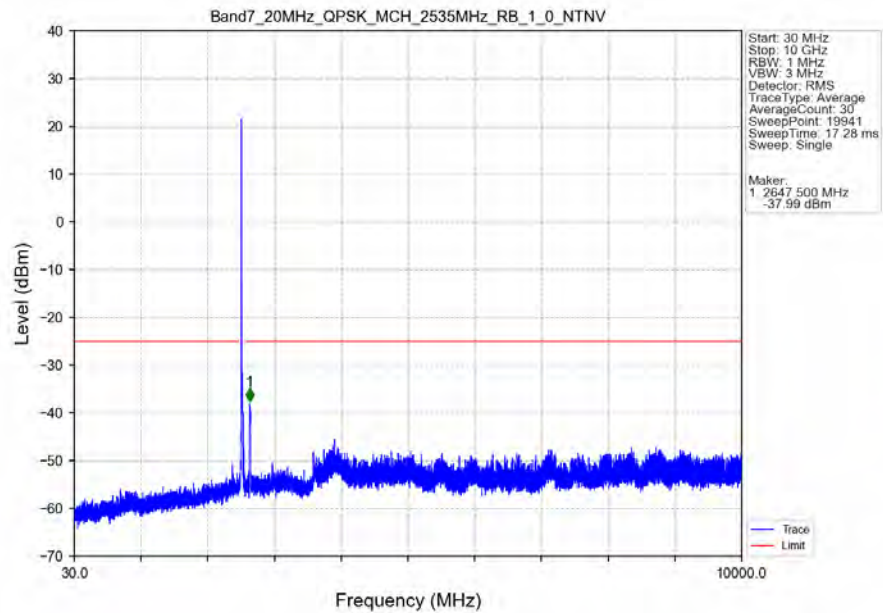


# Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTN

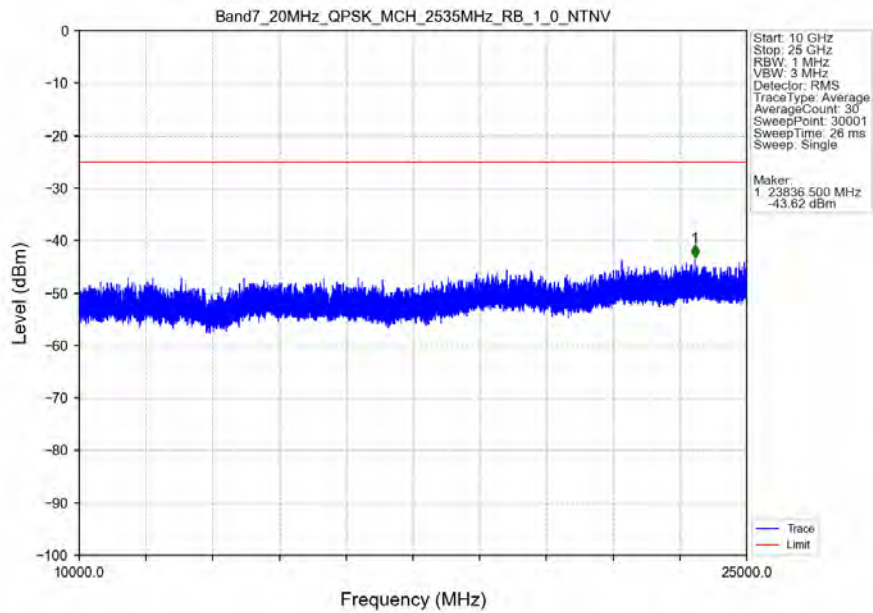


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.495   | -32.12      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.990   | -29.65      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.335   | -27.65      | -10         | Pass   |
| 2499        | 2500       | 0.397     | CHP    | 4          | 2499.980   | -30.18      | -10         | Pass   |
| 2500        | 2520       | 0.397     | CHP    | /          | /          | /           | /           | /      |

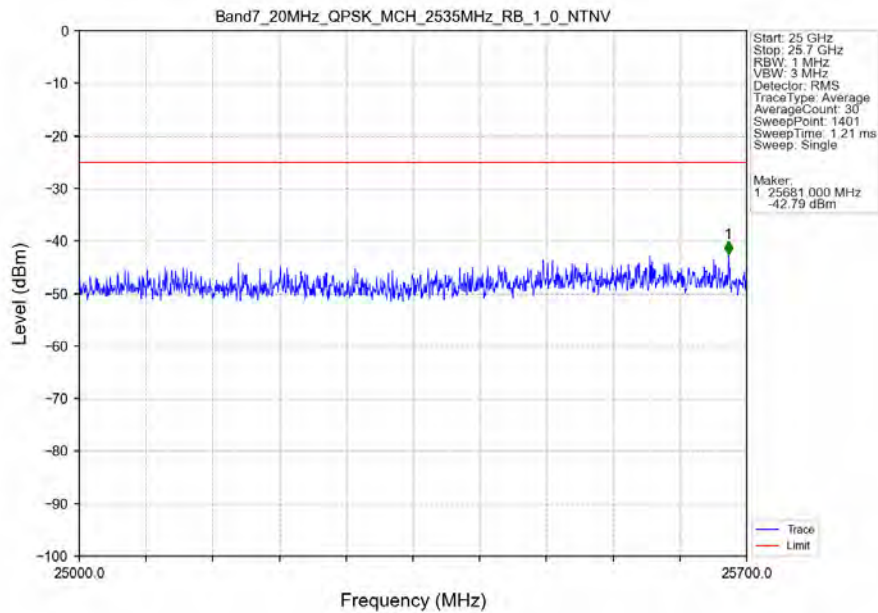
# Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



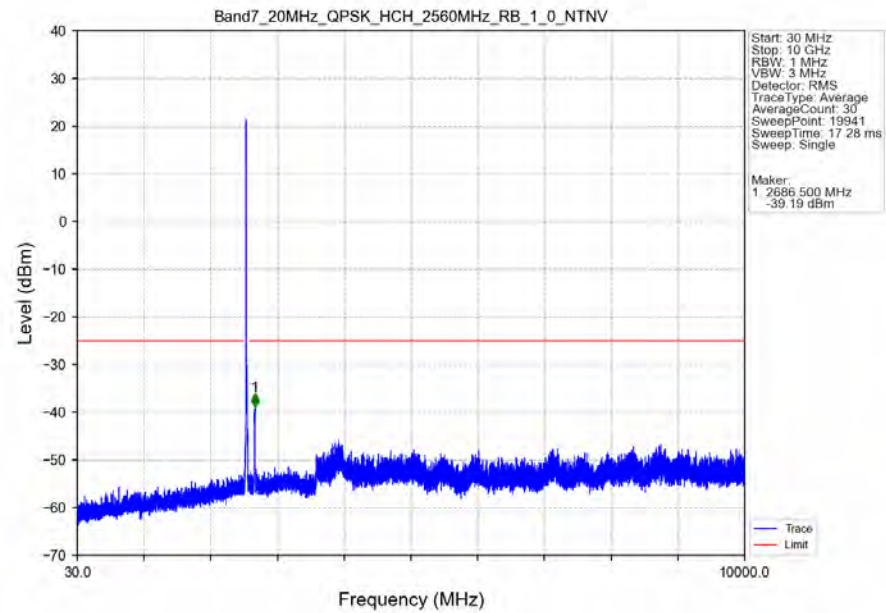
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



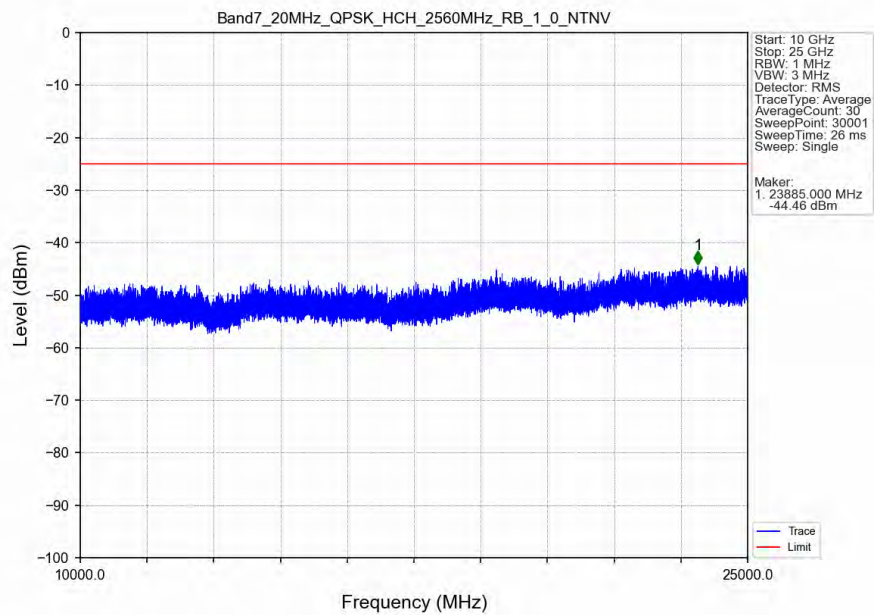
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



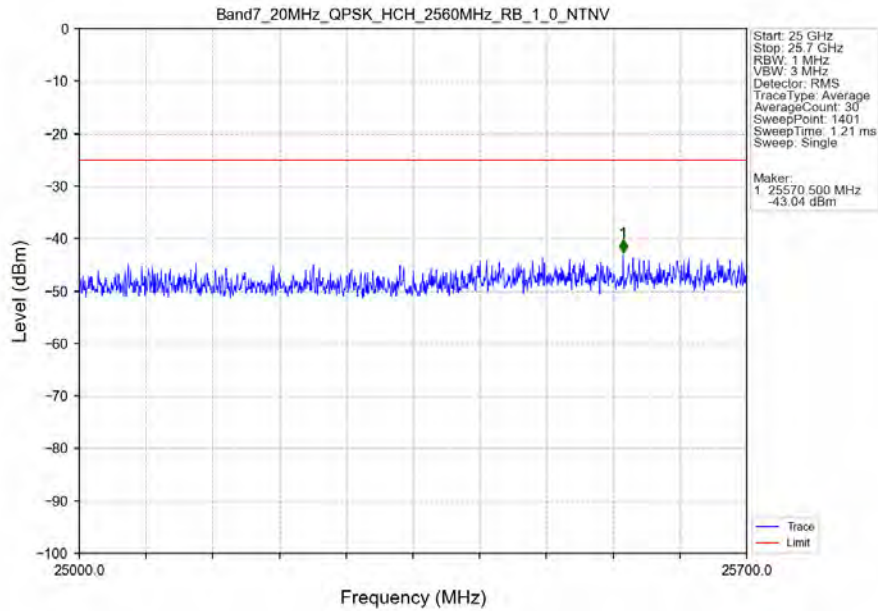
Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN



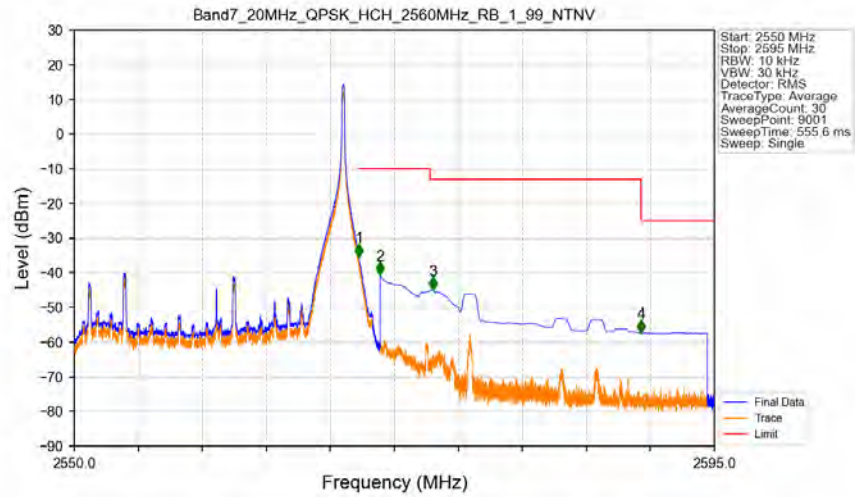
Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN



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

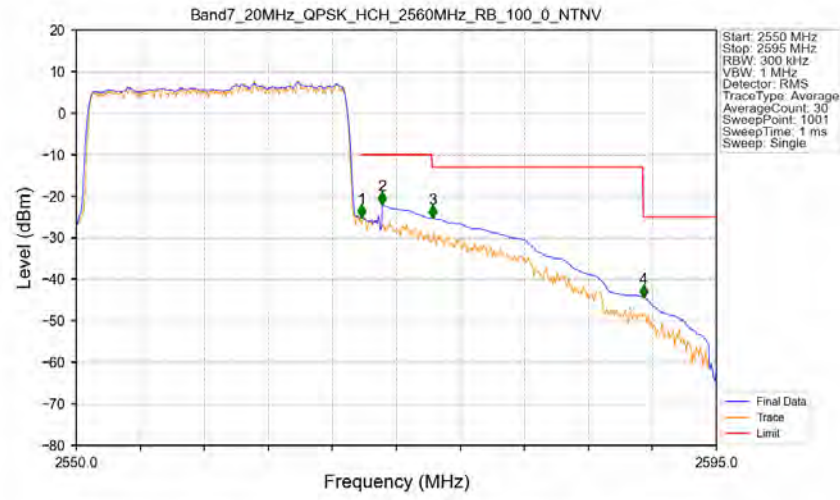


# Band7 20MHz QPSK HCH 2560MHz RB 1 99 NTV



| 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   | -35.40      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -40.59      | -10         | Pass   |
| 2575        | 2589.84    | 1         | CHP    | 3          | 2575.195   | -44.81      | -13         | Pass   |
| 2589.84     | 2595       | 1         | CHP    | 4          | 2589.855   | -57.26      | -25         | Pass   |

# Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2550        | 2570       | 0.397     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.397     | CHP    | 1          | 2570.070   | -25.09      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.510   | -22.04      | -10         | Pass   |
| 2575        | 2589.84    | 1         | CHP    | 3          | 2575.065   | -25.29      | -13         | Pass   |
| 2589.84     | 2595       | 1         | CHP    | 4          | 2589.870   | -44.35      | -25         | Pass   |

## 6. Field Strength of Spurious Radiation

| LTE Band 7 ANT31-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|---------------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                           | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5052.0                                                                    | -61.21     | -25         | -36.21          | -66.79           | 4.59            | 10.17              | Horizontal         | Pass   |
| 7578.0                                                                    | -60.08     | -25         | -35.08          | -66.96           | 4.95            | 11.83              | Horizontal         | Pass   |
| 12614.61                                                                  | -48.89     | -25         | -23.89          | -56.22           | 5.96            | 13.29              | Horizontal         | Pass   |
| 5052.0                                                                    | -61.9      | -25         | -36.9           | -67.48           | 4.59            | 10.17              | Vertical           | Pass   |
| 7578.0                                                                    | -59.46     | -25         | -34.46          | -66.34           | 4.95            | 11.83              | Vertical           | Pass   |
| 12614.61                                                                  | -45.29     | -25         | -20.29          | -52.62           | 5.96            | 13.29              | Vertical           | Pass   |

| LTE Band 7 ANT31-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                         | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5102.0                                                                  | -60.67     | -25         | -35.67          | -66.27           | 4.6             | 10.2               | Horizontal         | Pass   |
| 7653.0                                                                  | -59.78     | -25         | -34.78          | -66.75           | 4.95            | 11.92              | Horizontal         | Pass   |
| 12761.3                                                                 | -50.38     | -25         | -25.38          | -57.79           | 5.97            | 13.38              | Horizontal         | Pass   |
| 5102.0                                                                  | -59.62     | -25         | -34.62          | -65.22           | 4.6             | 10.2               | Vertical           | Pass   |
| 7653.0                                                                  | -59.95     | -25         | -34.95          | -66.92           | 4.95            | 11.92              | Vertical           | Pass   |
| 12761.3                                                                 | -46.9      | -25         | -21.9           | -54.31           | 5.97            | 13.38              | Vertical           | Pass   |

| LTE Band 38 ANT31-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                         | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5142.0                                                                  | -58.75     | -25         | -33.75          | -64.36           | 4.62            | 10.23              | Horizontal         | Pass   |
| 7713.0                                                                  | -59.5      | -25         | -34.5           | -66.53           | 4.96            | 11.99              | Horizontal         | Pass   |
| 12872.44                                                                | -48.67     | -25         | -23.67          | -56.14           | 5.97            | 13.44              | Horizontal         | Pass   |
| 5142.0                                                                  | -58.88     | -25         | -33.88          | -64.49           | 4.62            | 10.23              | Vertical           | Pass   |
| 7713.0                                                                  | -59.6      | -25         | -34.6           | -66.63           | 4.96            | 11.99              | Vertical           | Pass   |
| 12872.44                                                                | -44.16     | -25         | -19.16          | -51.63           | 5.97            | 13.44              | Vertical           | Pass   |