

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B38\_5MHz\_EIRP

| Band: 38 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2572.5          | 1             | 0      | 23.20                 | 3.00       | 26.20      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.17                 | 3.00       | 26.17      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.07                 | 3.00       | 26.07      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.33                 | 3.00       | 25.33      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.32                 | 3.00       | 25.32      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.27                 | 3.00       | 25.27      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.26                 | 3.00       | 25.26      | <=33.01 | Pass    |
|                                   | 2595            | 1             | 0      | 23.26                 | 3.00       | 26.26      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.24                 | 3.00       | 26.24      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.15                 | 3.00       | 26.15      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.36                 | 3.00       | 25.36      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.34                 | 3.00       | 25.34      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.32                 | 3.00       | 25.32      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.29                 | 3.00       | 25.29      | <=33.01 | Pass    |
|                                   | 2617.5          | 1             | 0      | 23.25                 | 3.00       | 26.25      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 23.26                 | 3.00       | 26.26      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 23.18                 | 3.00       | 26.18      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 22.32                 | 3.00       | 25.32      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 22.34                 | 3.00       | 25.34      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.28                 | 3.00       | 25.28      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.32                 | 3.00       | 25.32      | <=33.01 | Pass    |
| 16QAM                             | 2572.5          | 1             | 0      | 22.21                 | 3.00       | 25.21      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.22                 | 3.00       | 25.22      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 21.70                 | 3.00       | 24.70      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.03                 | 3.00       | 24.03      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.21                 | 3.00       | 24.21      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.27                 | 3.00       | 24.27      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.25                 | 3.00       | 24.25      | <=33.01 | Pass    |
|                                   | 2595            | 1             | 0      | 22.12                 | 3.00       | 25.12      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.13                 | 3.00       | 25.13      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.24                 | 3.00       | 25.24      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.31                 | 3.00       | 24.31      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.42                 | 3.00       | 24.42      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.29                 | 3.00       | 24.29      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.34                 | 3.00       | 24.34      | <=33.01 | Pass    |
|                                   | 2617.5          | 1             | 0      | 21.95                 | 3.00       | 24.95      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.00                 | 3.00       | 25.00      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 22.12                 | 3.00       | 25.12      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.21                 | 3.00       | 24.21      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.40                 | 3.00       | 24.40      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.29                 | 3.00       | 24.29      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.32                 | 3.00       | 24.32      | <=33.01 | Pass    |
| 64QAM                             | 2572.5          | 1             | 0      | 22.01                 | 3.00       | 25.01      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.93                 | 3.00       | 24.93      | <=33.01 | Pass    |
|                                   |                 |               | 24     | 21.82                 | 3.00       | 24.82      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 21.27                 | 3.00       | 24.27      | <=33.01 | Pass    |
|                                   |                 |               | 6      | 21.31                 | 3.00       | 24.31      | <=33.01 | Pass    |

|  |        |    |    |       |       |       |         |         |
|--|--------|----|----|-------|-------|-------|---------|---------|
|  |        |    | 13 | 21.28 | 3.00  | 24.28 | <=33.01 | Pass    |
|  |        | 25 | 0  | 21.32 | 3.00  | 24.32 | <=33.01 | Pass    |
|  | 2595   | 1  | 0  | 21.91 | 3.00  | 24.91 | <=33.01 | Pass    |
|  |        |    | 13 | 22.12 | 3.00  | 25.12 | <=33.01 | Pass    |
|  |        |    | 24 | 21.93 | 3.00  | 24.93 | <=33.01 | Pass    |
|  |        |    | 0  | 21.15 | 3.00  | 24.15 | <=33.01 | Pass    |
|  |        | 12 | 6  | 21.34 | 3.00  | 24.34 | <=33.01 | Pass    |
|  |        |    | 13 | 21.30 | 3.00  | 24.30 | <=33.01 | Pass    |
|  |        |    | 25 | 0     | 21.29 | 3.00  | 24.29   | <=33.01 |
|  | 2617.5 | 1  | 0  | 22.03 | 3.00  | 25.03 | <=33.01 | Pass    |
|  |        |    | 13 | 21.87 | 3.00  | 24.87 | <=33.01 | Pass    |
|  |        |    | 24 | 21.93 | 3.00  | 24.93 | <=33.01 | Pass    |
|  |        | 12 | 0  | 21.34 | 3.00  | 24.34 | <=33.01 | Pass    |
|  |        |    | 6  | 21.38 | 3.00  | 24.38 | <=33.01 | Pass    |
|  |        |    | 13 | 21.32 | 3.00  | 24.32 | <=33.01 | Pass    |
|  |        | 25 | 0  | 21.30 | 3.00  | 24.30 | <=33.01 | Pass    |

|        |        |    |    |       |      |       |         |      |
|--------|--------|----|----|-------|------|-------|---------|------|
| 256QAM | 2572.5 | 1  | 0  | 17.92 | 3.00 | 20.92 | <=33.01 | Pass |
|        |        |    | 13 | 18.13 | 3.00 | 21.13 | <=33.01 | Pass |
|        |        |    | 24 | 18.01 | 3.00 | 21.01 | <=33.01 | Pass |
|        |        | 12 | 0  | 18.34 | 3.00 | 21.34 | <=33.01 | Pass |
|        |        |    | 6  | 18.18 | 3.00 | 21.18 | <=33.01 | Pass |
|        |        |    | 13 | 18.25 | 3.00 | 21.25 | <=33.01 | Pass |
|        |        | 25 | 0  | 18.28 | 3.00 | 21.28 | <=33.01 | Pass |
|        | 2595   | 1  | 0  | 18.28 | 3.00 | 21.28 | <=33.01 | Pass |
|        |        |    | 13 | 18.10 | 3.00 | 21.10 | <=33.01 | Pass |
|        |        |    | 24 | 18.05 | 3.00 | 21.05 | <=33.01 | Pass |
|        |        | 12 | 0  | 18.24 | 3.00 | 21.24 | <=33.01 | Pass |
|        |        |    | 6  | 18.40 | 3.00 | 21.40 | <=33.01 | Pass |
|        |        |    | 13 | 18.40 | 3.00 | 21.40 | <=33.01 | Pass |
|        |        | 25 | 0  | 18.32 | 3.00 | 21.32 | <=33.01 | Pass |
|        | 2617.5 | 1  | 0  | 18.24 | 3.00 | 21.24 | <=33.01 | Pass |
|        |        |    | 13 | 18.10 | 3.00 | 21.10 | <=33.01 | Pass |
|        |        |    | 24 | 18.01 | 3.00 | 21.01 | <=33.01 | Pass |
|        |        | 12 | 0  | 18.32 | 3.00 | 21.32 | <=33.01 | Pass |
|        |        |    | 6  | 18.29 | 3.00 | 21.29 | <=33.01 | Pass |
|        |        |    | 13 | 18.31 | 3.00 | 21.31 | <=33.01 | Pass |
|        |        | 25 | 0  | 18.30 | 3.00 | 21.30 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B38\_10MHz\_EIRP

| Band: 38 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2575            | 1             | 0      | 23.20                 | 3.00       | 26.20      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.22                 | 3.00       | 26.22      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.24                 | 3.00       | 26.24      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.17                 | 3.00       | 25.17      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.34                 | 3.00       | 25.34      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.28                 | 3.00       | 25.28      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.26                 | 3.00       | 25.26      | <=33.01 | Pass    |
|                                    | 2595            | 1             | 0      | 23.24                 | 3.00       | 26.24      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.33                 | 3.00       | 26.33      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.26                 | 3.00       | 26.26      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.33                 | 3.00       | 25.33      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.36                 | 3.00       | 25.36      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.35                 | 3.00       | 25.35      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.35                 | 3.00       | 25.35      | <=33.01 | Pass    |

|        |      |    |    |       |      |       |         |      |
|--------|------|----|----|-------|------|-------|---------|------|
|        | 2615 | 1  | 0  | 23.23 | 3.00 | 26.23 | <=33.01 | Pass |
|        |      |    | 25 | 23.28 | 3.00 | 26.28 | <=33.01 | Pass |
|        |      |    | 49 | 23.23 | 3.00 | 26.23 | <=33.01 | Pass |
|        |      | 25 | 0  | 22.30 | 3.00 | 25.30 | <=33.01 | Pass |
|        |      |    | 13 | 22.33 | 3.00 | 25.33 | <=33.01 | Pass |
|        |      |    | 25 | 22.32 | 3.00 | 25.32 | <=33.01 | Pass |
|        |      | 50 | 0  | 22.29 | 3.00 | 25.29 | <=33.01 | Pass |
| 16QAM  | 2575 | 1  | 0  | 21.84 | 3.00 | 24.84 | <=33.01 | Pass |
|        |      |    | 25 | 22.34 | 3.00 | 25.34 | <=33.01 | Pass |
|        |      |    | 49 | 22.14 | 3.00 | 25.14 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.32 | 3.00 | 24.32 | <=33.01 | Pass |
|        |      |    | 13 | 21.37 | 3.00 | 24.37 | <=33.01 | Pass |
|        |      |    | 25 | 21.26 | 3.00 | 24.26 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.28 | 3.00 | 24.28 | <=33.01 | Pass |
|        | 2595 | 1  | 0  | 22.00 | 3.00 | 25.00 | <=33.01 | Pass |
|        |      |    | 25 | 22.11 | 3.00 | 25.11 | <=33.01 | Pass |
|        |      |    | 49 | 22.08 | 3.00 | 25.08 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.28 | 3.00 | 24.28 | <=33.01 | Pass |
|        |      |    | 13 | 21.28 | 3.00 | 24.28 | <=33.01 | Pass |
|        |      |    | 25 | 21.29 | 3.00 | 24.29 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.27 | 3.00 | 24.27 | <=33.01 | Pass |
|        | 2615 | 1  | 0  | 22.09 | 3.00 | 25.09 | <=33.01 | Pass |
|        |      |    | 25 | 22.10 | 3.00 | 25.10 | <=33.01 | Pass |
|        |      |    | 49 | 22.17 | 3.00 | 25.17 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.31 | 3.00 | 24.31 | <=33.01 | Pass |
|        |      |    | 13 | 21.34 | 3.00 | 24.34 | <=33.01 | Pass |
|        |      |    | 25 | 21.34 | 3.00 | 24.34 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.30 | 3.00 | 24.30 | <=33.01 | Pass |
| 64QAM  | 2575 | 1  | 0  | 21.79 | 3.00 | 24.79 | <=33.01 | Pass |
|        |      |    | 25 | 22.14 | 3.00 | 25.14 | <=33.01 | Pass |
|        |      |    | 49 | 22.10 | 3.00 | 25.10 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.12 | 3.00 | 24.12 | <=33.01 | Pass |
|        |      |    | 13 | 21.33 | 3.00 | 24.33 | <=33.01 | Pass |
|        |      |    | 25 | 21.31 | 3.00 | 24.31 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.31 | 3.00 | 24.31 | <=33.01 | Pass |
|        | 2595 | 1  | 0  | 21.90 | 3.00 | 24.90 | <=33.01 | Pass |
|        |      |    | 25 | 22.07 | 3.00 | 25.07 | <=33.01 | Pass |
|        |      |    | 49 | 21.89 | 3.00 | 24.89 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.14 | 3.00 | 24.14 | <=33.01 | Pass |
|        |      |    | 13 | 21.37 | 3.00 | 24.37 | <=33.01 | Pass |
|        |      |    | 25 | 21.37 | 3.00 | 24.37 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.43 | 3.00 | 24.43 | <=33.01 | Pass |
|        | 2615 | 1  | 0  | 22.13 | 3.00 | 25.13 | <=33.01 | Pass |
|        |      |    | 25 | 22.18 | 3.00 | 25.18 | <=33.01 | Pass |
|        |      |    | 49 | 22.10 | 3.00 | 25.10 | <=33.01 | Pass |
|        |      | 25 | 0  | 21.15 | 3.00 | 24.15 | <=33.01 | Pass |
|        |      |    | 13 | 21.25 | 3.00 | 24.25 | <=33.01 | Pass |
|        |      |    | 25 | 21.32 | 3.00 | 24.32 | <=33.01 | Pass |
|        |      | 50 | 0  | 21.21 | 3.00 | 24.21 | <=33.01 | Pass |
| 256QAM | 2575 | 1  | 0  | 17.97 | 3.00 | 20.97 | <=33.01 | Pass |
|        |      |    | 25 | 18.26 | 3.00 | 21.26 | <=33.01 | Pass |
|        |      |    | 49 | 18.20 | 3.00 | 21.20 | <=33.01 | Pass |
|        |      | 25 | 0  | 18.26 | 3.00 | 21.26 | <=33.01 | Pass |
|        |      |    | 13 | 18.29 | 3.00 | 21.29 | <=33.01 | Pass |
|        |      |    | 25 | 18.17 | 3.00 | 21.17 | <=33.01 | Pass |
|        |      | 50 | 0  | 18.30 | 3.00 | 21.30 | <=33.01 | Pass |
|        | 2595 | 1  | 0  | 18.34 | 3.00 | 21.34 | <=33.01 | Pass |
|        |      |    | 25 | 18.14 | 3.00 | 21.14 | <=33.01 | Pass |
|        |      |    | 49 | 17.94 | 3.00 | 20.94 | <=33.01 | Pass |

|  |                                          |    |    |       |      |       |         |      |
|--|------------------------------------------|----|----|-------|------|-------|---------|------|
|  |                                          | 25 | 0  | 18.36 | 3.00 | 21.36 | <=33.01 | Pass |
|  |                                          |    | 13 | 18.45 | 3.00 | 21.45 | <=33.01 | Pass |
|  |                                          |    | 25 | 18.30 | 3.00 | 21.30 | <=33.01 | Pass |
|  | 2615                                     | 50 | 0  | 18.20 | 3.00 | 21.20 | <=33.01 | Pass |
|  |                                          | 1  | 0  | 18.25 | 3.00 | 21.25 | <=33.01 | Pass |
|  |                                          |    | 25 | 18.22 | 3.00 | 21.22 | <=33.01 | Pass |
|  |                                          |    | 49 | 17.88 | 3.00 | 20.88 | <=33.01 | Pass |
|  |                                          | 25 | 0  | 18.32 | 3.00 | 21.32 | <=33.01 | Pass |
|  |                                          |    | 13 | 18.25 | 3.00 | 21.25 | <=33.01 | Pass |
|  |                                          |    | 25 | 18.26 | 3.00 | 21.26 | <=33.01 | Pass |
|  |                                          | 50 | 0  | 18.33 | 3.00 | 21.33 | <=33.01 | Pass |
|  | Note1: EIRP=Conducted Power+Antenna Gain |    |    |       |      |       |         |      |

### 1.1.3 B38\_15MHz\_EIRP

| Band: 38 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2577.5          | 1             | 0      | 23.21                 | 3.00       | 26.21      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.16                 | 3.00       | 26.16      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.24                 | 3.00       | 26.24      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.30                 | 3.00       | 25.30      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.30                 | 3.00       | 25.30      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.28                 | 3.00       | 25.28      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.27                 | 3.00       | 25.27      | <=33.01 | Pass    |
|                                    | 2595            | 1             | 0      | 23.27                 | 3.00       | 26.27      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.22                 | 3.00       | 26.22      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.18                 | 3.00       | 26.18      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.33                 | 3.00       | 25.33      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.35                 | 3.00       | 25.35      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.20                 | 3.00       | 25.20      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.23                 | 3.00       | 25.23      | <=33.01 | Pass    |
|                                    | 2612.5          | 1             | 0      | 23.20                 | 3.00       | 26.20      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.24                 | 3.00       | 26.24      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.16                 | 3.00       | 26.16      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.29                 | 3.00       | 25.29      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.32                 | 3.00       | 25.32      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.28                 | 3.00       | 25.28      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.18                 | 3.00       | 25.18      | <=33.01 | Pass    |
| 16QAM                              | 2577.5          | 1             | 0      | 22.44                 | 3.00       | 25.44      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.02                 | 3.00       | 25.02      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.00                 | 3.00       | 25.00      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.28                 | 3.00       | 24.28      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.29                 | 3.00       | 24.29      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.28                 | 3.00       | 24.28      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.18                 | 3.00       | 24.18      | <=33.01 | Pass    |
|                                    | 2595            | 1             | 0      | 21.88                 | 3.00       | 24.88      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.03                 | 3.00       | 25.03      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.05                 | 3.00       | 25.05      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.38                 | 3.00       | 24.38      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.38                 | 3.00       | 24.38      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.19                 | 3.00       | 24.19      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 21.24                 | 3.00       | 24.24      | <=33.01 | Pass    |
|                                    | 2612.5          | 1             | 0      | 22.26                 | 3.00       | 25.26      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 21.97                 | 3.00       | 24.97      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 21.94                 | 3.00       | 24.94      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.32                 | 3.00       | 24.32      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.37                 | 3.00       | 24.37      | <=33.01 | Pass    |

|        |                                          |        |        |       |       |       |         |         |         |      |
|--------|------------------------------------------|--------|--------|-------|-------|-------|---------|---------|---------|------|
|        |                                          |        | 39     | 21.29 | 3.00  | 24.29 | <=33.01 | Pass    |         |      |
|        |                                          | 75     | 0      | 21.31 | 3.00  | 24.31 | <=33.01 | Pass    |         |      |
| 64QAM  | 2577.5                                   | 1      | 0      | 21.84 | 3.00  | 24.84 | <=33.01 | Pass    |         |      |
|        |                                          |        | 38     | 22.15 | 3.00  | 25.15 | <=33.01 | Pass    |         |      |
|        |                                          |        | 74     | 22.05 | 3.00  | 25.05 | <=33.01 | Pass    |         |      |
|        |                                          |        | 0      | 21.30 | 3.00  | 24.30 | <=33.01 | Pass    |         |      |
|        |                                          | 36     | 18     | 21.34 | 3.00  | 24.34 | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 21.28 | 3.00  | 24.28 | <=33.01 | Pass    |         |      |
|        |                                          |        | 75     | 0     | 21.12 | 3.00  | 24.12   | <=33.01 | Pass    |      |
|        |                                          | 2595   | 1      | 0     | 22.11 | 3.00  | 25.11   | <=33.01 | Pass    |      |
|        |                                          |        |        | 38    | 22.20 | 3.00  | 25.20   | <=33.01 | Pass    |      |
|        |                                          |        |        | 74    | 22.15 | 3.00  | 25.15   | <=33.01 | Pass    |      |
|        | 0                                        |        |        | 21.37 | 3.00  | 24.37 | <=33.01 | Pass    |         |      |
|        | 36                                       |        | 18     | 21.43 | 3.00  | 24.43 | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 21.18 | 3.00  | 24.18 | <=33.01 | Pass    |         |      |
|        |                                          |        | 75     | 0     | 21.12 | 3.00  | 24.12   | <=33.01 | Pass    |      |
|        | 2612.5                                   |        | 1      | 0     | 21.73 | 3.00  | 24.73   | <=33.01 | Pass    |      |
|        |                                          |        |        | 38    | 22.05 | 3.00  | 25.05   | <=33.01 | Pass    |      |
|        |                                          |        |        | 74    | 22.13 | 3.00  | 25.13   | <=33.01 | Pass    |      |
|        |                                          | 0      |        | 21.35 | 3.00  | 24.35 | <=33.01 | Pass    |         |      |
|        |                                          | 36     | 18     | 21.35 | 3.00  | 24.35 | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 21.23 | 3.00  | 24.23 | <=33.01 | Pass    |         |      |
|        |                                          |        | 75     | 0     | 21.16 | 3.00  | 24.16   | <=33.01 | Pass    |      |
|        |                                          | 256QAM | 2577.5 | 1     | 0     | 17.97 | 3.00    | 20.97   | <=33.01 | Pass |
|        |                                          |        |        |       | 38    | 17.94 | 3.00    | 20.94   | <=33.01 | Pass |
| 74     | 17.99                                    |        |        |       | 3.00  | 20.99 | <=33.01 | Pass    |         |      |
| 36     | 0                                        |        |        | 18.31 | 3.00  | 21.31 | <=33.01 | Pass    |         |      |
|        | 18                                       |        |        | 18.20 | 3.00  | 21.20 | <=33.01 | Pass    |         |      |
|        | 39                                       |        |        | 18.15 | 3.00  | 21.15 | <=33.01 | Pass    |         |      |
| 75     | 0                                        |        |        | 18.24 | 3.00  | 21.24 | <=33.01 | Pass    |         |      |
| 2595   | 1                                        |        | 0      | 18.14 | 3.00  | 21.14 | <=33.01 | Pass    |         |      |
|        |                                          |        | 38     | 18.13 | 3.00  | 21.13 | <=33.01 | Pass    |         |      |
|        |                                          |        | 74     | 18.23 | 3.00  | 21.23 | <=33.01 | Pass    |         |      |
|        |                                          |        | 0      | 18.34 | 3.00  | 21.34 | <=33.01 | Pass    |         |      |
|        | 36                                       |        | 18     | 18.27 | 3.00  | 21.27 | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 18.18 | 3.00  | 21.18 | <=33.01 | Pass    |         |      |
|        | 75                                       |        | 0      | 18.00 | 3.00  | 21.00 | <=33.01 | Pass    |         |      |
| 2612.5 | 1                                        |        | 0      | 18.17 | 3.00  | 21.17 | <=33.01 | Pass    |         |      |
|        |                                          |        | 38     | 18.05 | 3.00  | 21.05 | <=33.01 | Pass    |         |      |
|        |                                          |        | 74     | 18.21 | 3.00  | 21.21 | <=33.01 | Pass    |         |      |
|        |                                          |        | 0      | 18.30 | 3.00  | 21.30 | <=33.01 | Pass    |         |      |
|        | 36                                       |        | 18     | 18.30 | 3.00  | 21.30 | <=33.01 | Pass    |         |      |
|        |                                          |        | 39     | 18.30 | 3.00  | 21.30 | <=33.01 | Pass    |         |      |
|        | 75                                       |        | 0      | 18.08 | 3.00  | 21.08 | <=33.01 | Pass    |         |      |
|        | Note1: EIRP=Conducted Power+Antenna Gain |        |        |       |       |       |         |         |         |      |

#### 1.1.4 B38\_20MHz\_EIRP

| Band: 38 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2580            | 1             | 0      | 23.22                 | 3.00       | 26.22      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.11                 | 3.00       | 26.11      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.21                 | 3.00       | 26.21      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.31                 | 3.00       | 25.31      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.35                 | 3.00       | 25.35      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.26                 | 3.00       | 25.26      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.29                 | 3.00       | 25.29      | <=33.01 | Pass    |

|        |      |     |    |       |      |       |         |      |
|--------|------|-----|----|-------|------|-------|---------|------|
|        | 2595 | 1   | 0  | 22.33 | 3.00 | 25.33 | <=33.01 | Pass |
|        |      |     | 50 | 23.27 | 3.00 | 26.27 | <=33.01 | Pass |
|        |      |     | 99 | 23.21 | 3.00 | 26.21 | <=33.01 | Pass |
|        |      | 50  | 0  | 22.34 | 3.00 | 25.34 | <=33.01 | Pass |
|        |      |     | 25 | 22.35 | 3.00 | 25.35 | <=33.01 | Pass |
|        |      |     | 50 | 22.15 | 3.00 | 25.15 | <=33.01 | Pass |
|        |      | 100 | 0  | 22.24 | 3.00 | 25.24 | <=33.01 | Pass |
|        | 2610 | 1   | 0  | 22.79 | 3.00 | 25.79 | <=33.01 | Pass |
|        |      |     | 50 | 23.26 | 3.00 | 26.26 | <=33.01 | Pass |
|        |      |     | 99 | 23.19 | 3.00 | 26.19 | <=33.01 | Pass |
|        |      | 50  | 0  | 22.32 | 3.00 | 25.32 | <=33.01 | Pass |
|        |      |     | 25 | 22.34 | 3.00 | 25.34 | <=33.01 | Pass |
|        |      |     | 50 | 22.26 | 3.00 | 25.26 | <=33.01 | Pass |
|        |      | 100 | 0  | 22.29 | 3.00 | 25.29 | <=33.01 | Pass |
| 16QAM  | 2580 | 1   | 0  | 21.91 | 3.00 | 24.91 | <=33.01 | Pass |
|        |      |     | 50 | 22.22 | 3.00 | 25.22 | <=33.01 | Pass |
|        |      |     | 99 | 21.96 | 3.00 | 24.96 | <=33.01 | Pass |
|        |      | 50  | 0  | 21.33 | 3.00 | 24.33 | <=33.01 | Pass |
|        |      |     | 25 | 21.36 | 3.00 | 24.36 | <=33.01 | Pass |
|        |      |     | 50 | 21.30 | 3.00 | 24.30 | <=33.01 | Pass |
|        |      | 100 | 0  | 21.27 | 3.00 | 24.27 | <=33.01 | Pass |
|        | 2595 | 1   | 0  | 21.99 | 3.00 | 24.99 | <=33.01 | Pass |
|        |      |     | 50 | 22.12 | 3.00 | 25.12 | <=33.01 | Pass |
|        |      |     | 99 | 22.02 | 3.00 | 25.02 | <=33.01 | Pass |
|        |      | 50  | 0  | 21.36 | 3.00 | 24.36 | <=33.01 | Pass |
|        |      |     | 25 | 21.27 | 3.00 | 24.27 | <=33.01 | Pass |
|        |      |     | 50 | 21.08 | 3.00 | 24.08 | <=33.01 | Pass |
|        |      | 100 | 0  | 21.14 | 3.00 | 24.14 | <=33.01 | Pass |
|        | 2610 | 1   | 0  | 21.90 | 3.00 | 24.90 | <=33.01 | Pass |
|        |      |     | 50 | 21.91 | 3.00 | 24.91 | <=33.01 | Pass |
|        |      |     | 99 | 21.94 | 3.00 | 24.94 | <=33.01 | Pass |
|        |      | 50  | 0  | 21.31 | 3.00 | 24.31 | <=33.01 | Pass |
|        |      |     | 25 | 21.32 | 3.00 | 24.32 | <=33.01 | Pass |
|        |      |     | 50 | 21.25 | 3.00 | 24.25 | <=33.01 | Pass |
|        |      | 100 | 0  | 21.33 | 3.00 | 24.33 | <=33.01 | Pass |
| 64QAM  | 2580 | 1   | 0  | 21.98 | 3.00 | 24.98 | <=33.01 | Pass |
|        |      |     | 50 | 22.12 | 3.00 | 25.12 | <=33.01 | Pass |
|        |      |     | 99 | 21.82 | 3.00 | 24.82 | <=33.01 | Pass |
|        |      | 50  | 0  | 21.25 | 3.00 | 24.25 | <=33.01 | Pass |
|        |      |     | 25 | 21.32 | 3.00 | 24.32 | <=33.01 | Pass |
|        |      |     | 50 | 21.28 | 3.00 | 24.28 | <=33.01 | Pass |
|        |      | 100 | 0  | 21.26 | 3.00 | 24.26 | <=33.01 | Pass |
|        | 2595 | 1   | 0  | 21.85 | 3.00 | 24.85 | <=33.01 | Pass |
|        |      |     | 50 | 21.76 | 3.00 | 24.76 | <=33.01 | Pass |
|        |      |     | 99 | 21.69 | 3.00 | 24.69 | <=33.01 | Pass |
|        |      | 50  | 0  | 21.38 | 3.00 | 24.38 | <=33.01 | Pass |
|        |      |     | 25 | 21.31 | 3.00 | 24.31 | <=33.01 | Pass |
|        |      |     | 50 | 21.27 | 3.00 | 24.27 | <=33.01 | Pass |
|        |      | 100 | 0  | 21.23 | 3.00 | 24.23 | <=33.01 | Pass |
|        | 2610 | 1   | 0  | 21.53 | 3.00 | 24.53 | <=33.01 | Pass |
|        |      |     | 50 | 21.83 | 3.00 | 24.83 | <=33.01 | Pass |
|        |      |     | 99 | 22.31 | 3.00 | 25.31 | <=33.01 | Pass |
|        |      | 50  | 0  | 21.34 | 3.00 | 24.34 | <=33.01 | Pass |
|        |      |     | 25 | 21.34 | 3.00 | 24.34 | <=33.01 | Pass |
|        |      |     | 50 | 21.27 | 3.00 | 24.27 | <=33.01 | Pass |
|        |      | 100 | 0  | 21.31 | 3.00 | 24.31 | <=33.01 | Pass |
| 256QAM | 2580 | 1   | 0  | 18.25 | 3.00 | 21.25 | <=33.01 | Pass |
|        |      |     | 50 | 18.14 | 3.00 | 21.14 | <=33.01 | Pass |
|        |      |     | 99 | 18.17 | 3.00 | 21.17 | <=33.01 | Pass |

|                                          |      |     |    |       |      |       |         |      |
|------------------------------------------|------|-----|----|-------|------|-------|---------|------|
|                                          |      | 50  | 0  | 18.34 | 3.00 | 21.34 | <=33.01 | Pass |
|                                          |      |     | 25 | 18.35 | 3.00 | 21.35 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.25 | 3.00 | 21.25 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 18.35 | 3.00 | 21.35 | <=33.01 | Pass |
|                                          | 2595 | 1   | 0  | 18.21 | 3.00 | 21.21 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.33 | 3.00 | 21.33 | <=33.01 | Pass |
|                                          |      |     | 99 | 18.03 | 3.00 | 21.03 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 18.33 | 3.00 | 21.33 | <=33.01 | Pass |
|                                          |      |     | 25 | 18.32 | 3.00 | 21.32 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.20 | 3.00 | 21.20 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 18.01 | 3.00 | 21.01 | <=33.01 | Pass |
|                                          | 2610 | 1   | 0  | 18.07 | 3.00 | 21.07 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.25 | 3.00 | 21.25 | <=33.01 | Pass |
|                                          |      |     | 99 | 17.78 | 3.00 | 20.78 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 18.32 | 3.00 | 21.32 | <=33.01 | Pass |
|                                          |      |     | 25 | 18.36 | 3.00 | 21.36 | <=33.01 | Pass |
|                                          |      |     | 50 | 18.26 | 3.00 | 21.26 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 18.10 | 3.00 | 21.10 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |     |    |       |      |       |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B38\_10MHz

| Band: 38 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 2595            | 50            | 0      | 20         | 3.4           | 5.200            | 0.0020                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.0           | 4.300            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.2           | 6.200            | 0.0024                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 4.0           | 5.400            | 0.0021                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 4.0           | 6.900            | 0.0027                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 4.0           | 7.000            | 0.0027                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 4.0           | 4.800            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 4.0           | 4.100            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 4.0           | 2.200            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 4.0           | 5.500            | 0.0021                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 4.0           | 5.500            | 0.0021                | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band38\_OBW

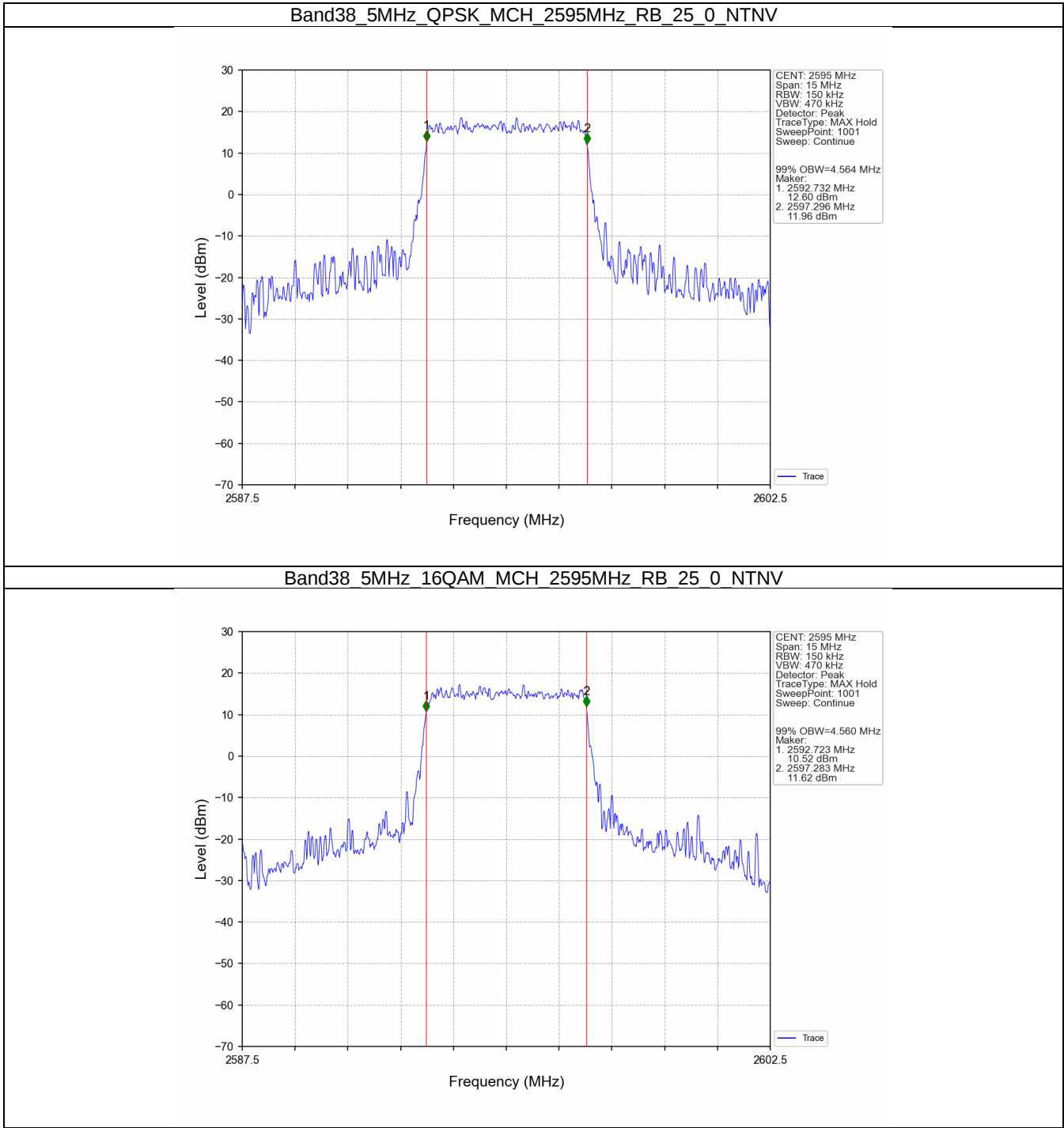
| Band: 38 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2595            | 25            | 0      | 4.564                        | /     | Pass    |
|                 | 16QAM      | 2595            | 25            | 0      | 4.560                        | /     | Pass    |
| 10              | QPSK       | 2595            | 50            | 0      | 9.077                        | /     | Pass    |
|                 | 16QAM      | 2595            | 50            | 0      | 9.072                        | /     | Pass    |
| 15              | QPSK       | 2595            | 75            | 0      | 13.602                       | /     | Pass    |
|                 | 16QAM      | 2595            | 75            | 0      | 13.585                       | /     | Pass    |
| 20              | QPSK       | 2595            | 100           | 0      | 18.132                       | /     | Pass    |
|                 | 16QAM      | 2595            | 100           | 0      | 18.200                       | /     | Pass    |

##### 3.1.2 Band38\_XDB

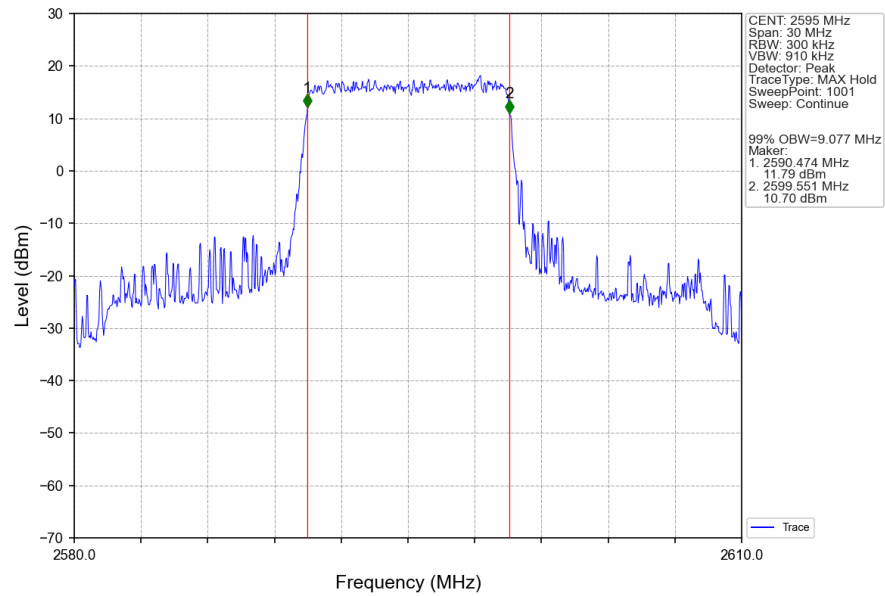
| Band: 38 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2595            | 25            | 0      | 5.464                | /     | Pass    |
|                 | 16QAM      | 2595            | 25            | 0      | 5.523                | /     | Pass    |
| 10              | QPSK       | 2595            | 50            | 0      | 10.234               | /     | Pass    |
|                 | 16QAM      | 2595            | 50            | 0      | 10.422               | /     | Pass    |
| 15              | QPSK       | 2595            | 75            | 0      | 15.266               | /     | Pass    |
|                 | 16QAM      | 2595            | 75            | 0      | 15.260               | /     | Pass    |
| 20              | QPSK       | 2595            | 100           | 0      | 20.601               | /     | Pass    |
|                 | 16QAM      | 2595            | 100           | 0      | 21.199               | /     | Pass    |

# 3.2 Test Graph

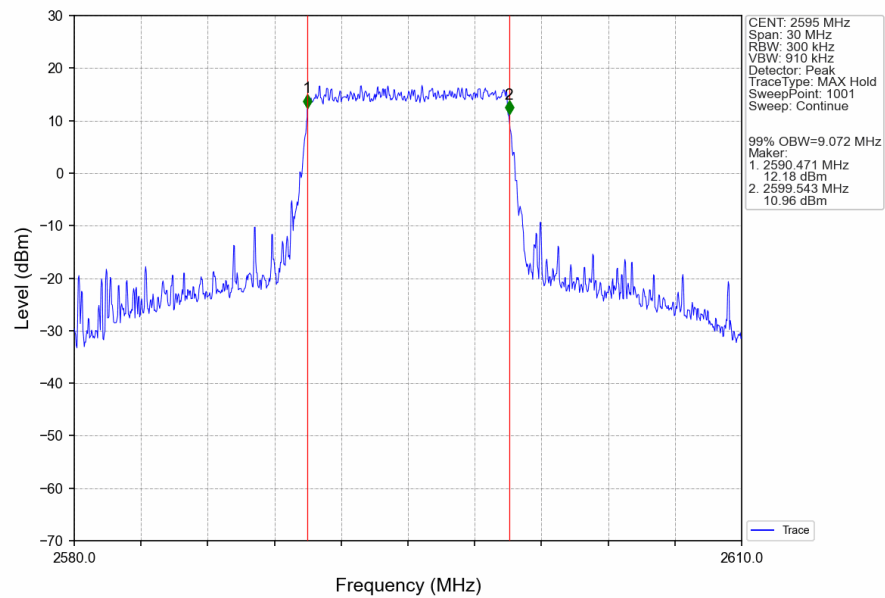
## 3.2.1 Band38\_OBW



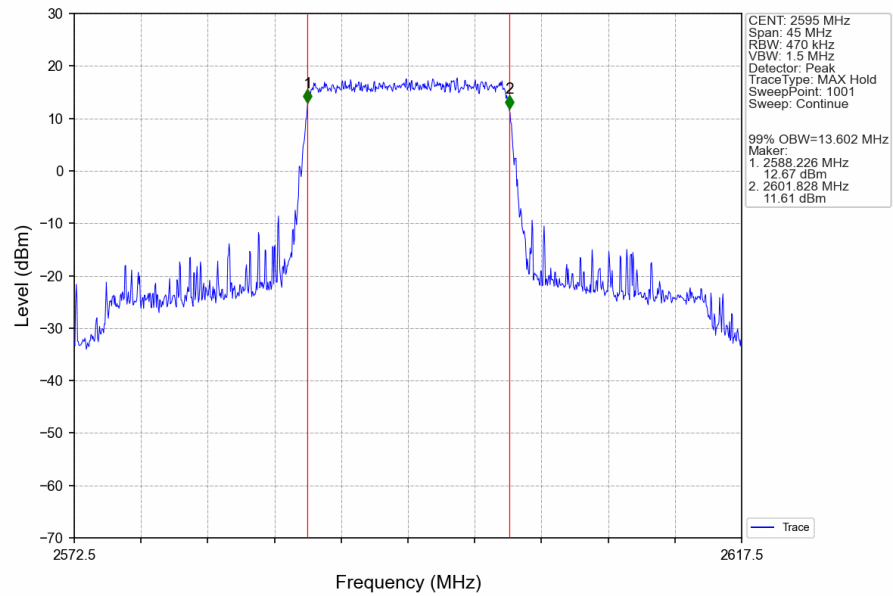
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_50\_0\_NTNV



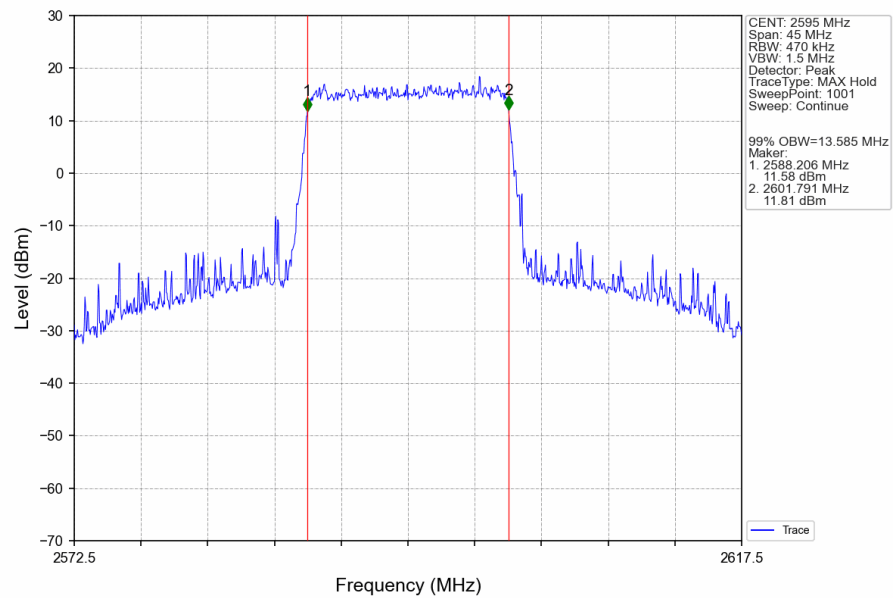
Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_50\_0\_NTNV



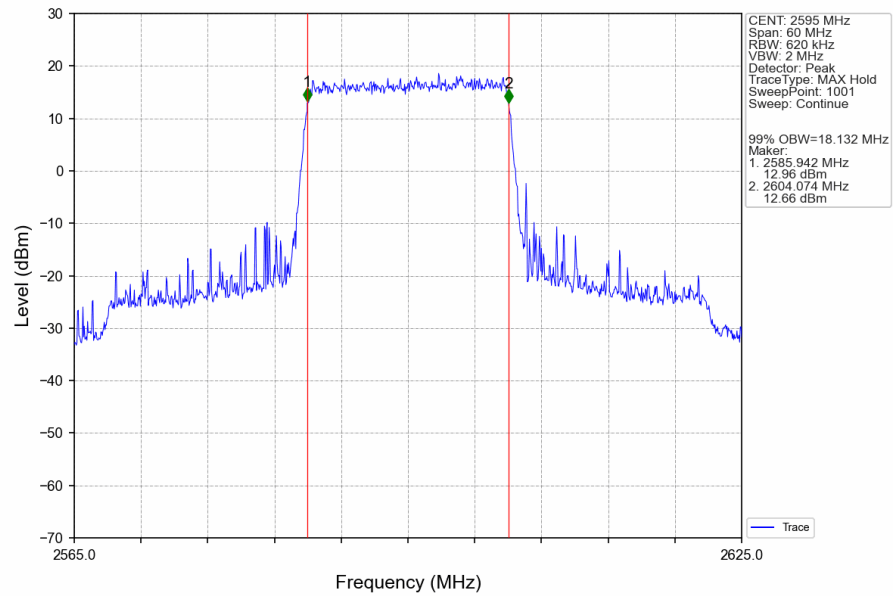
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



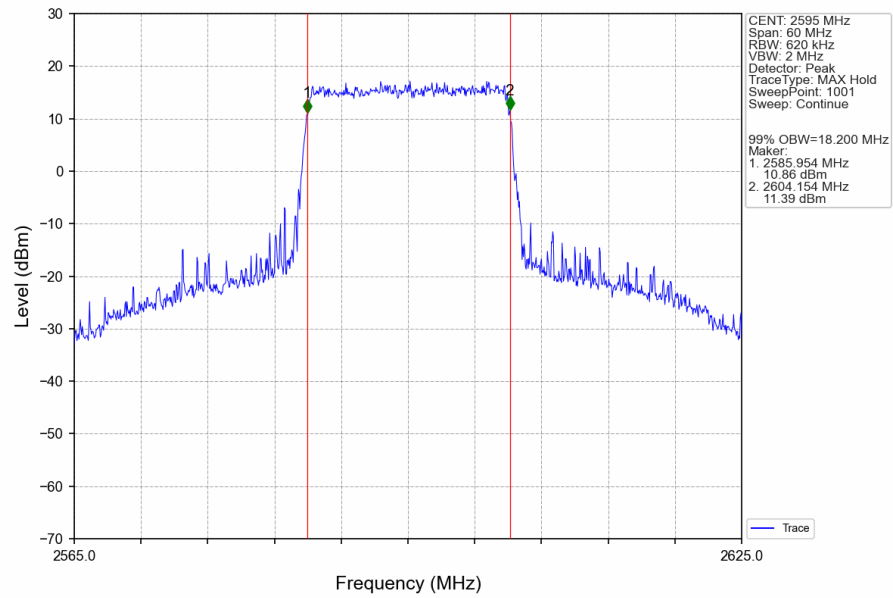
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_75\_0\_NTNV



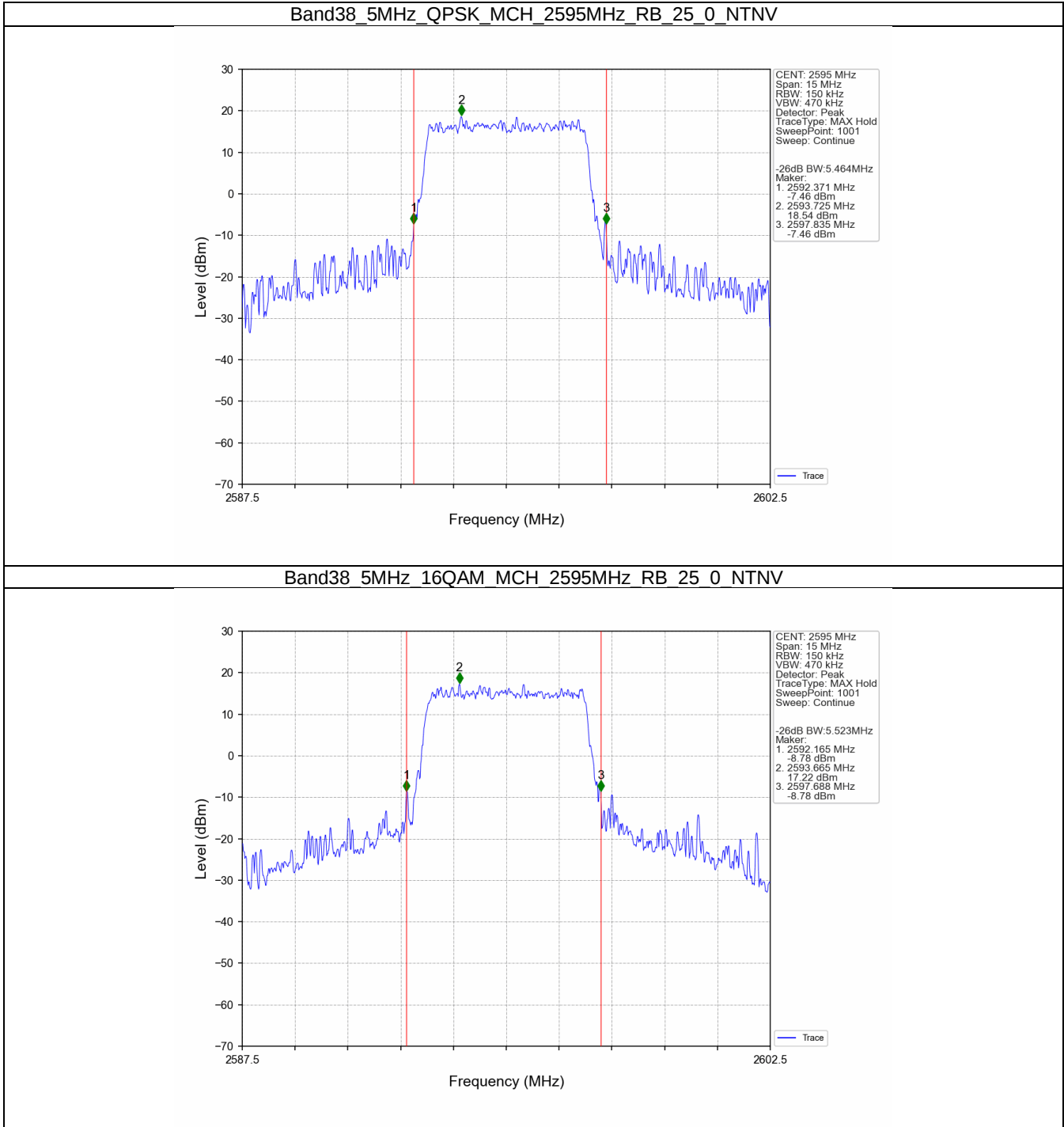
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



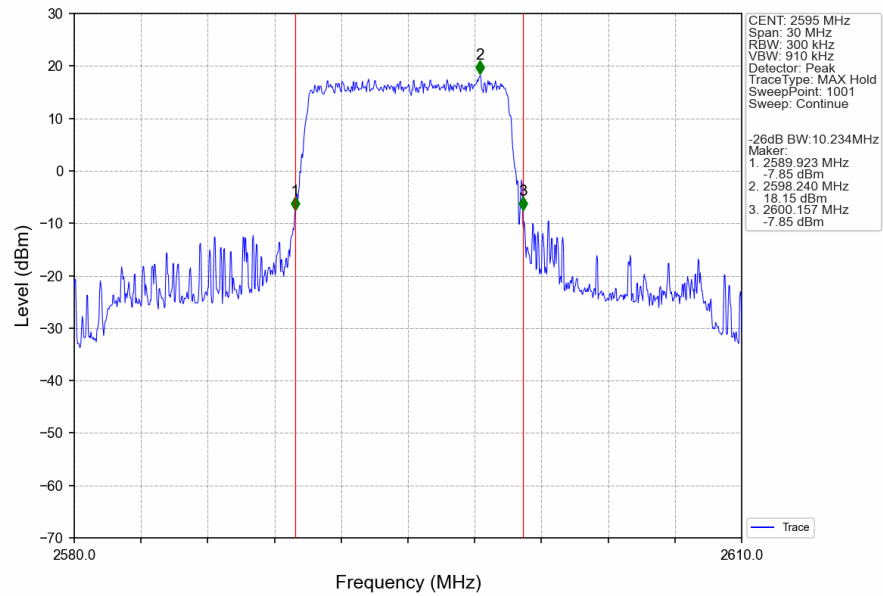
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTN



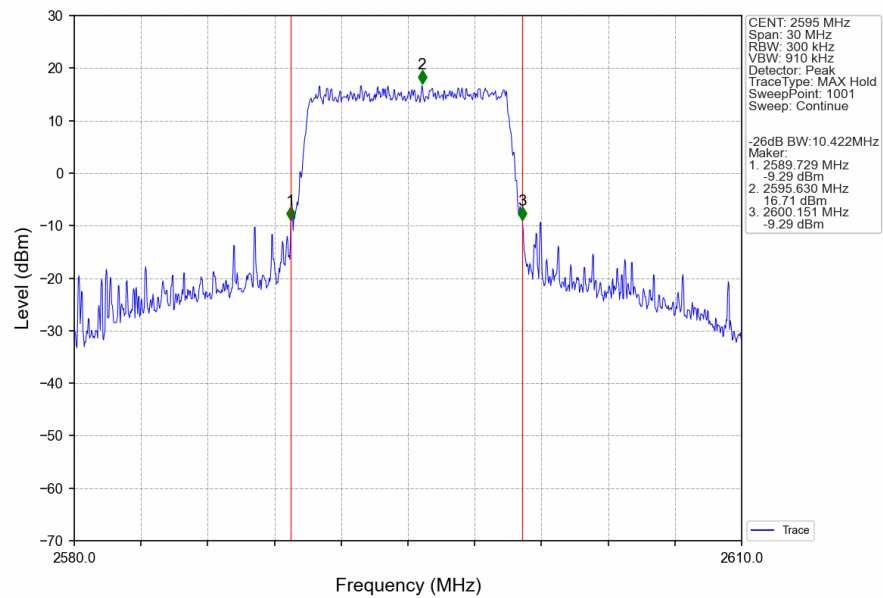
3.2.2 Band38\_XDB



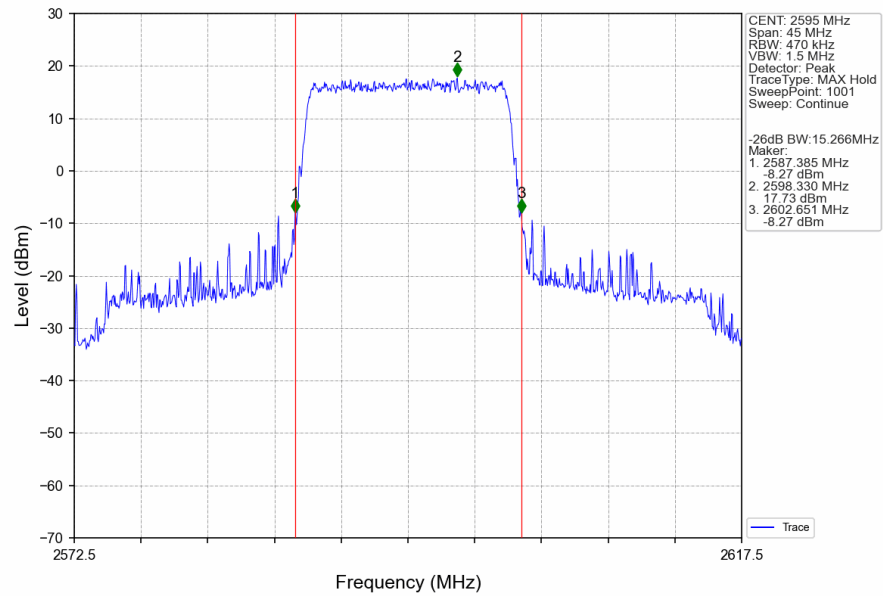
# Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_50\_0\_NTNV



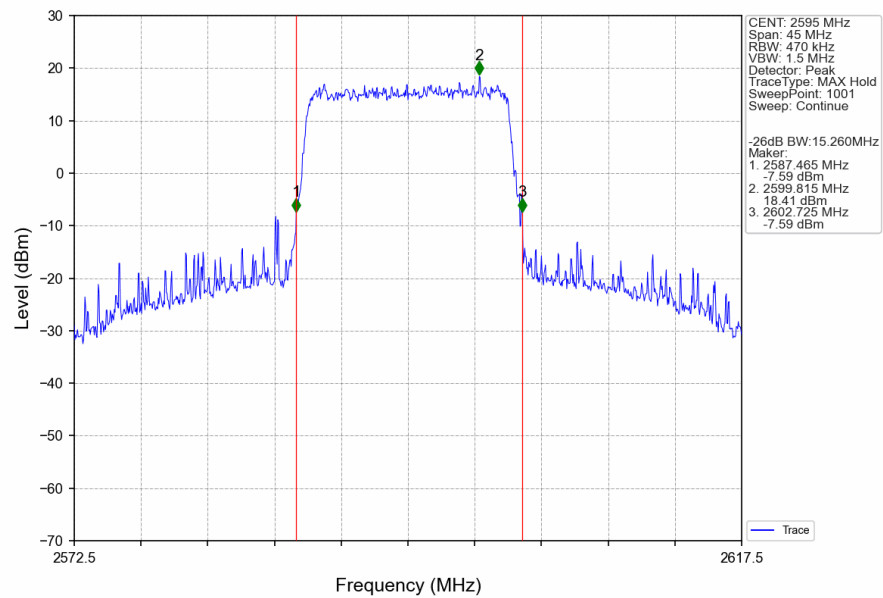
# Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_50\_0\_NTNV



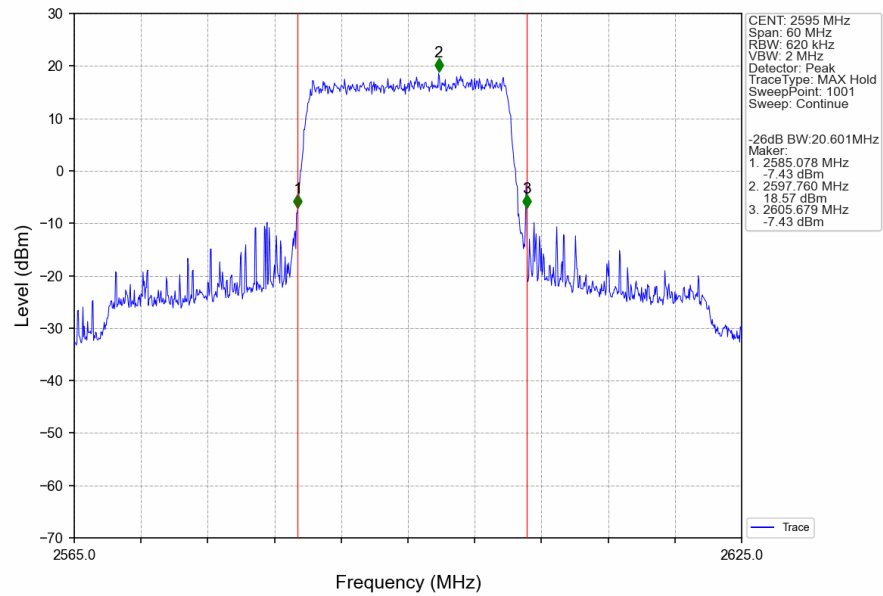
# Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



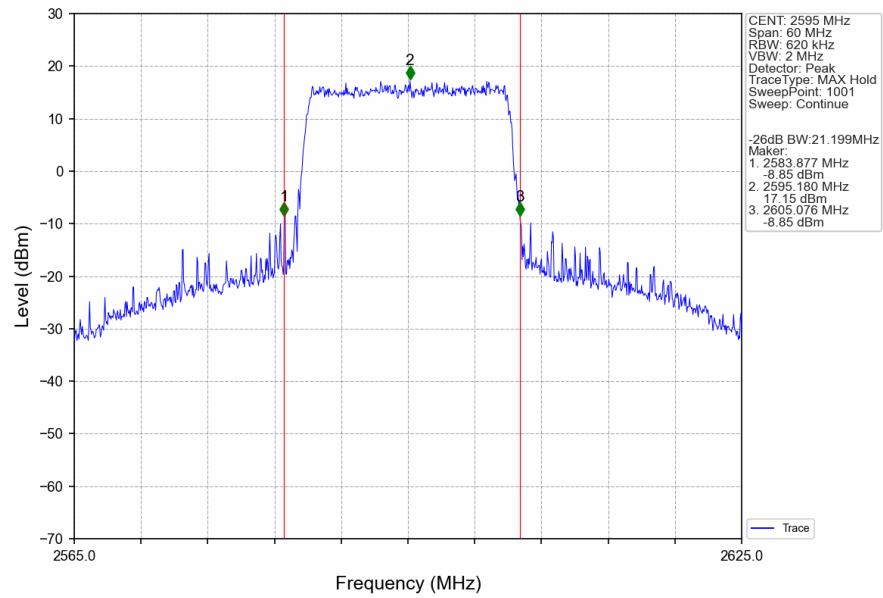
# Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_75\_0\_NTNV



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



4. Peak-Average Ratio

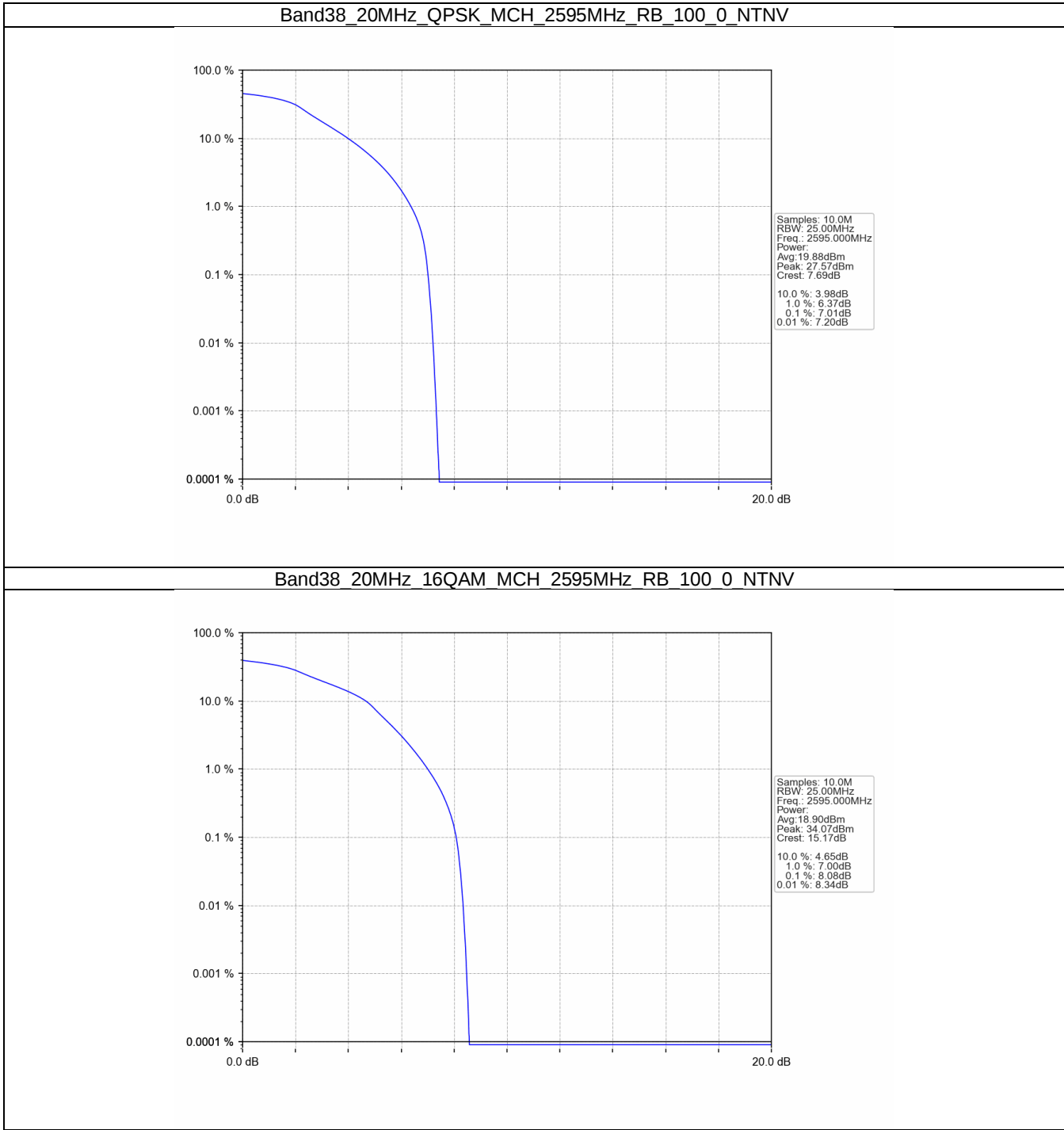
4.1 Test Result

4.1.1 B38\_20MHz

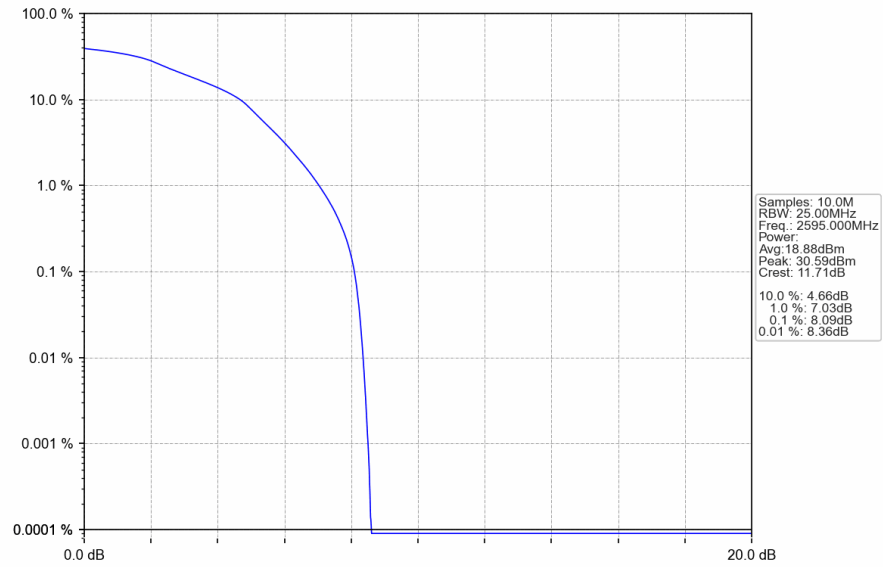
| Band: 38 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|------------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 2595               | 100           | 0      | 7.01                    | <=13  | Pass    |
| 16QAM                              | 2595               | 100           | 0      | 8.08                    | <=13  | Pass    |
| 64QAM                              | 2595               | 100           | 0      | 8.09                    | <=13  | Pass    |
| 256QAM                             | 2595               | 100           | 0      | 8.69                    | <=13  | Pass    |

# 4.2 Test Graph

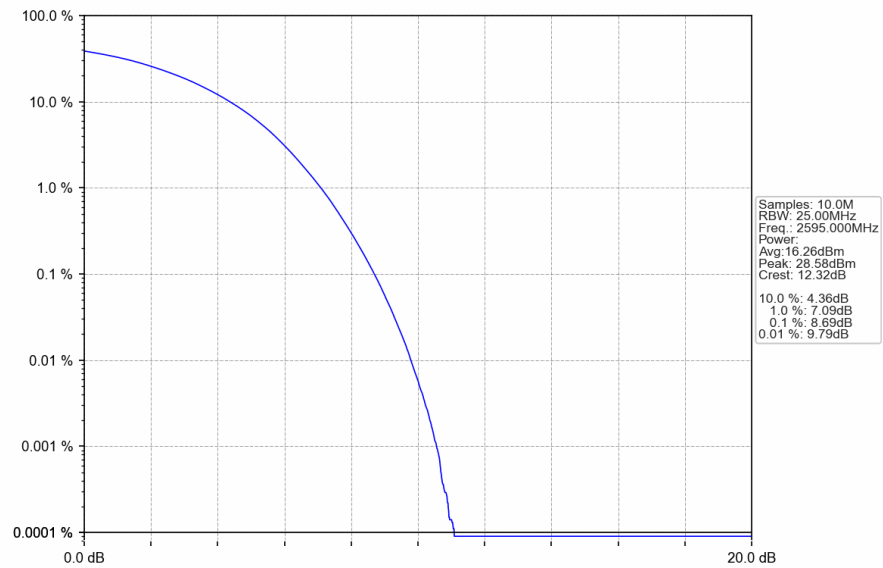
## 4.2.1 B38\_20MHz



Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B38\_5MHz

| Band: 38 / Bandwidth: 5MHz / NTV |                 |               |        |                     |                     |         |
|----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |                     | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit               |         |
| QPSK                             | 2572.5          | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |                     | Pass    |
|                                  | 2595            | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                  |                 | 2617.5        | 1      | 0                   | Refer To Test Graph |         |
|                                  | 24              |               |        | Refer To Test Graph |                     | Pass    |
|                                  | 25              |               | 0      | Refer To Test Graph |                     | Pass    |

#### 5.1.2 B38\_10MHz

| Band: 38 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2575            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2595            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2615            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 B38\_15MHz

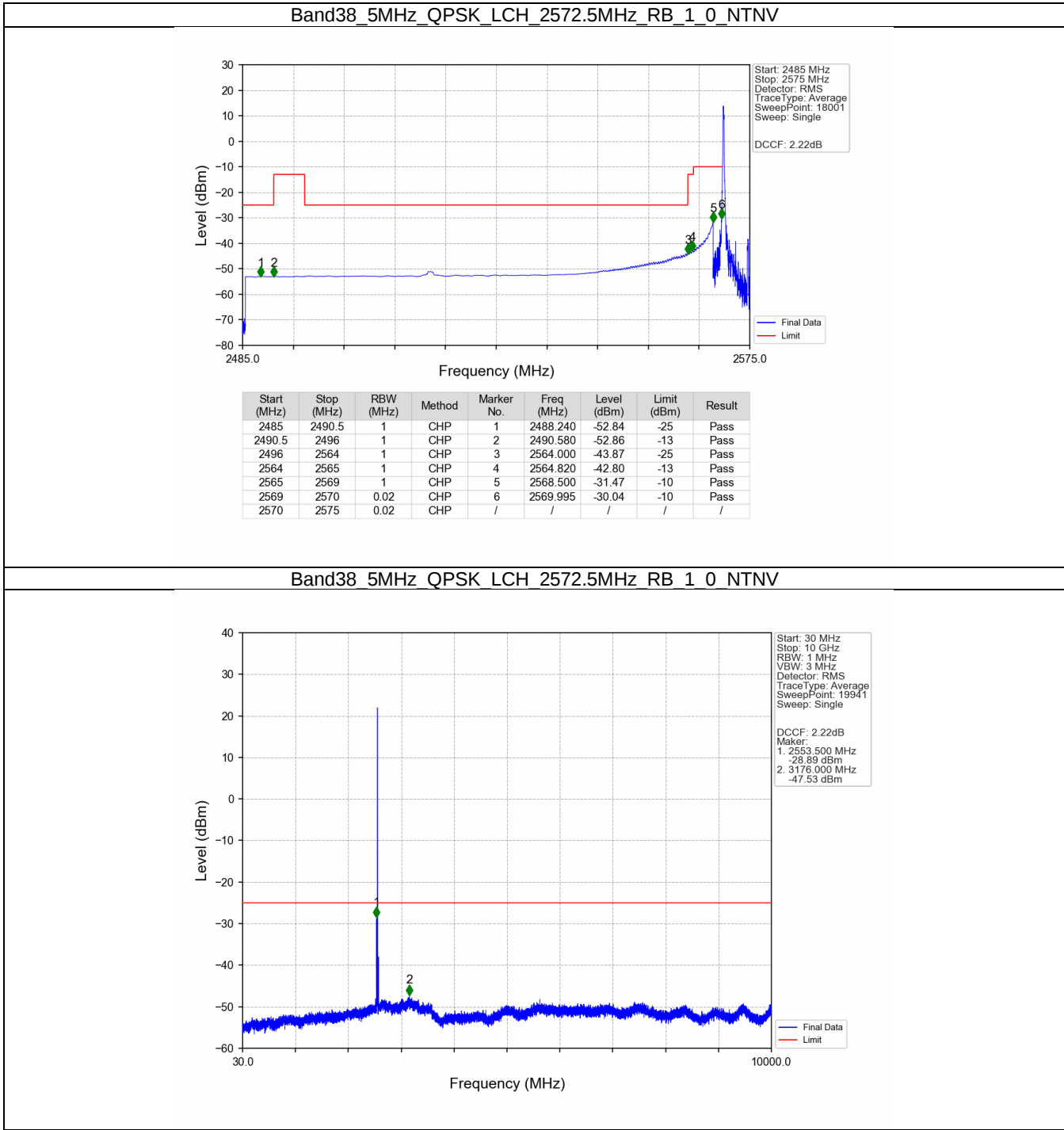
| Band: 38 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2577.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2595            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2612.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                    |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.4 B38\_20MHz

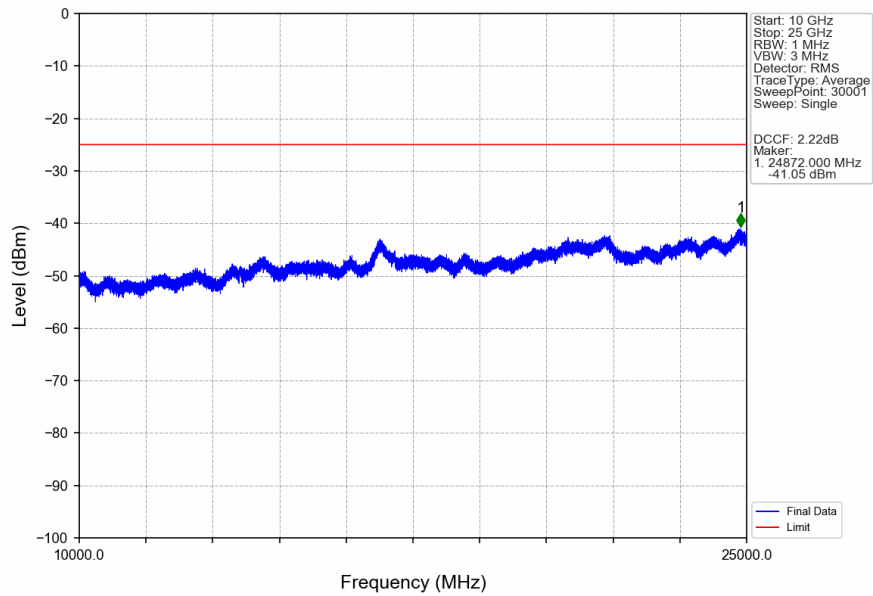
| Band: 38 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2580            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2595            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2610            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

# 5.2 Test Graph

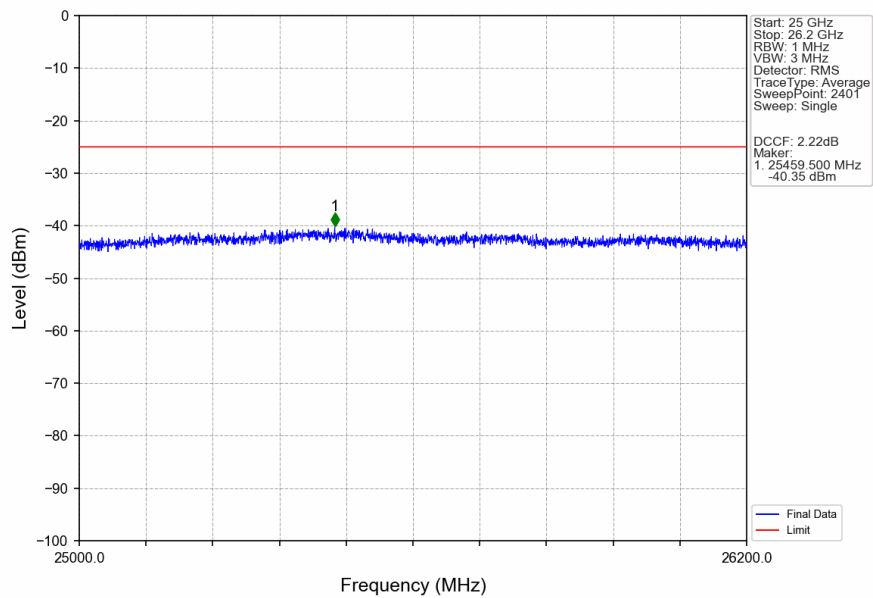
## 5.2.1 B38\_5MHz



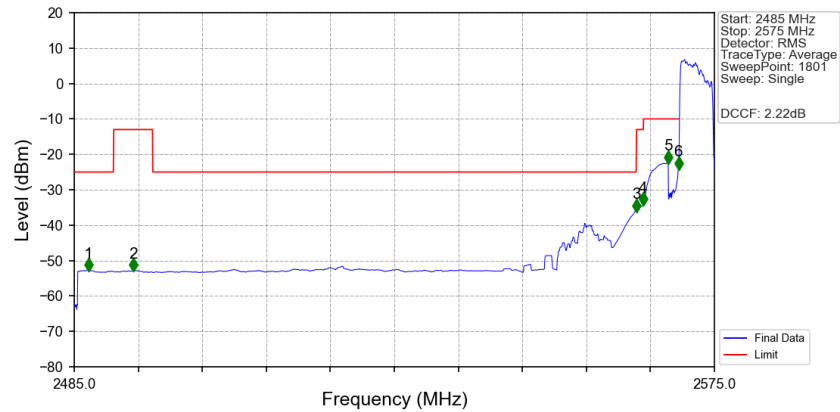
# Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



# Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

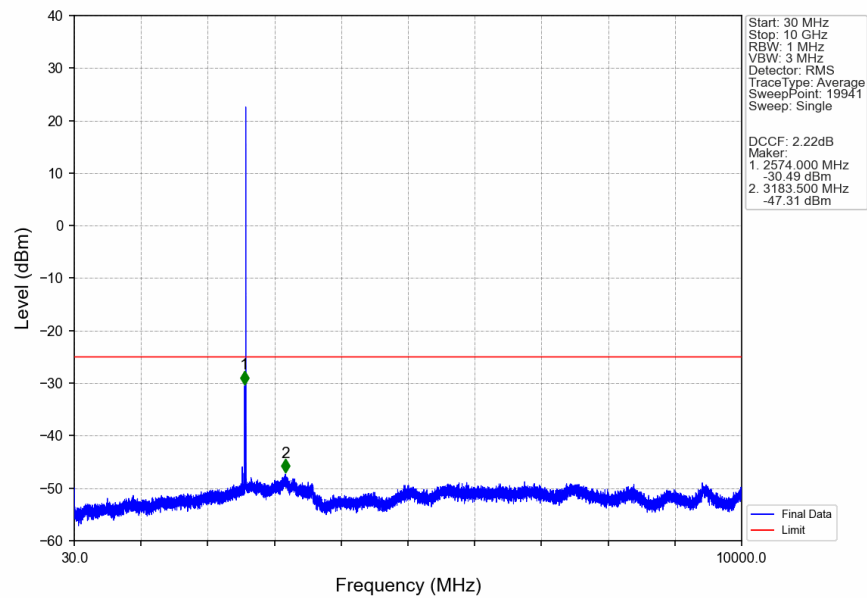


# Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV

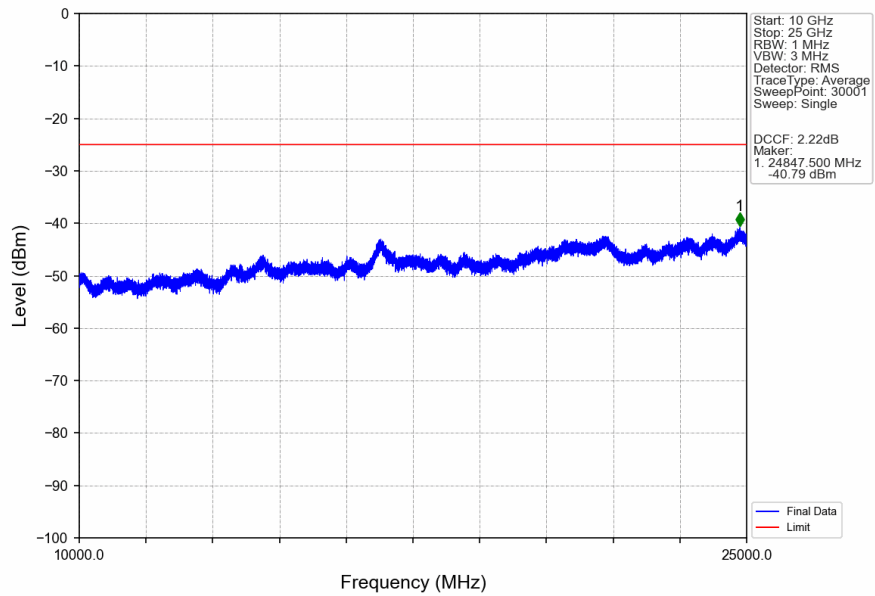


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2487.000   | -52.73      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2493.350   | -52.77      | -13         | Pass   |
| 2496        | 2564       | 1         | CHP    | 3          | 2564.000   | -35.97      | -25         | Pass   |
| 2564        | 2565       | 1         | CHP    | 4          | 2565.000   | -34.12      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -22.29      | -10         | Pass   |
| 2569        | 2570       | 0.109     | CHP    | 6          | 2569.950   | -24.05      | -10         | Pass   |
| 2570        | 2575       | 0.109     | CHP    | /          | /          | /           | /           | /      |

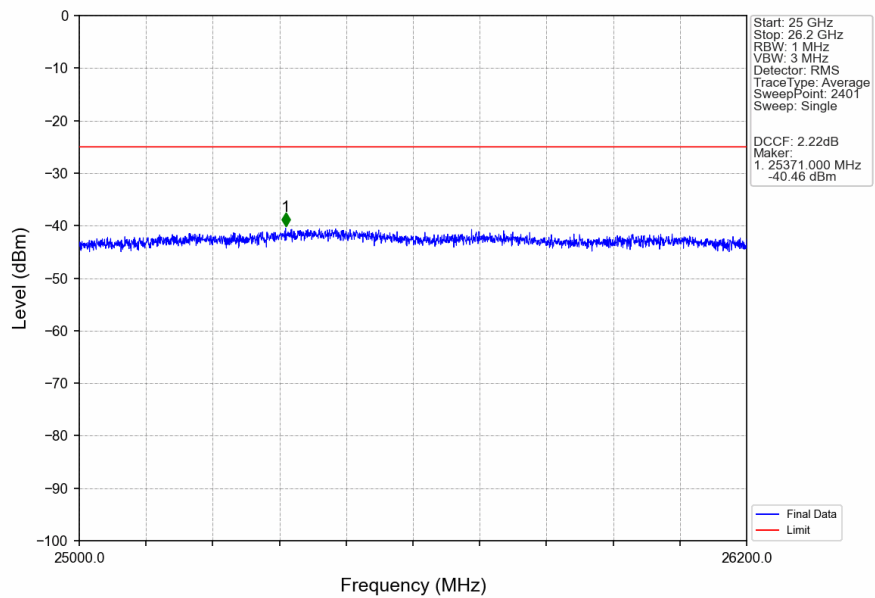
# Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



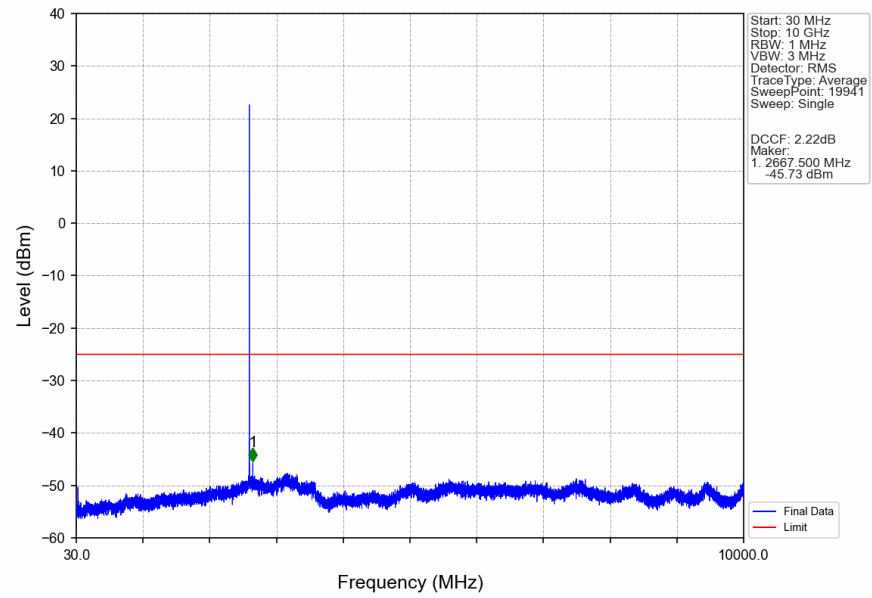
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



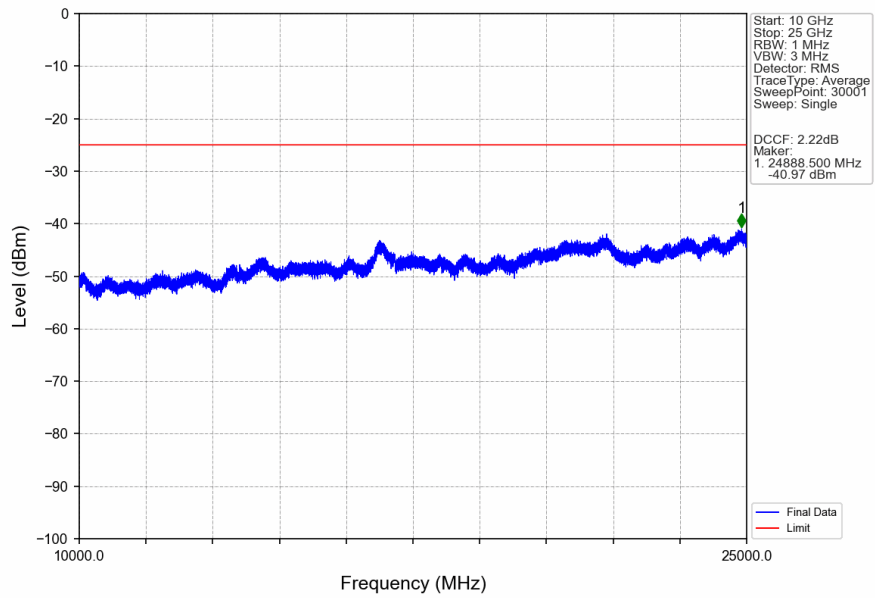
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



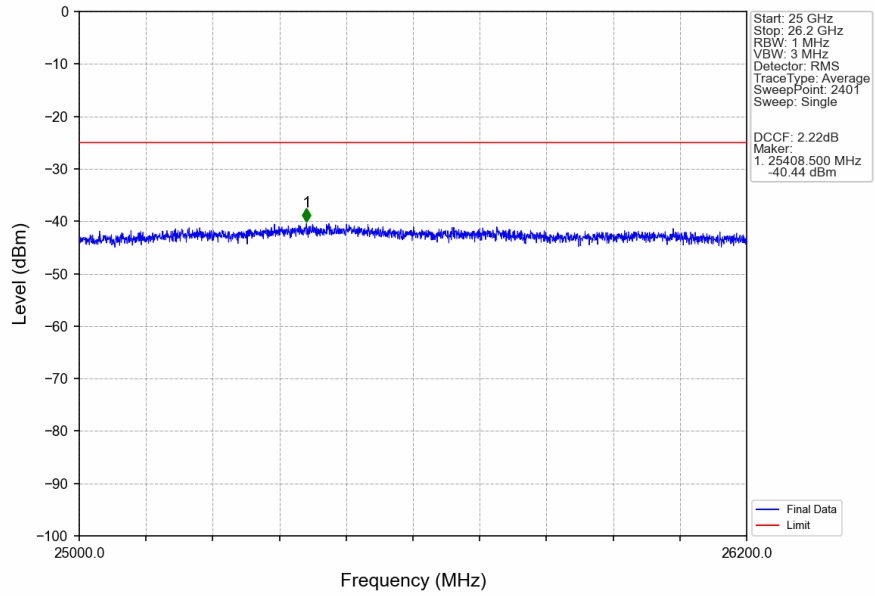
# Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



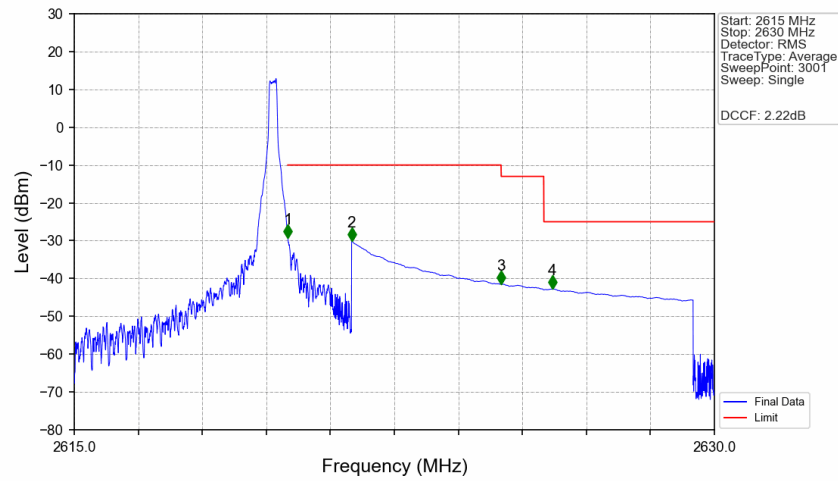
# Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



# Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV

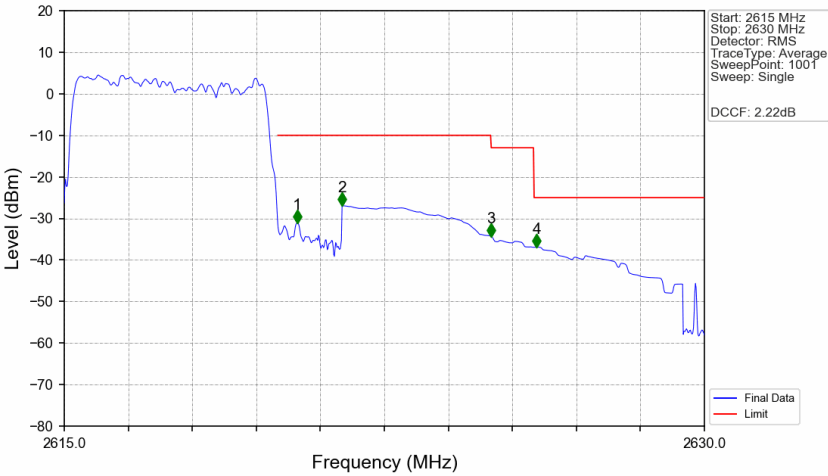


# Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2615        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.005   | -29.18      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -30.01      | -10         | Pass   |
| 2625        | 2626       | 1         | CHP    | 3          | 2625.005   | -41.40      | -13         | Pass   |
| 2626        | 2630       | 1         | CHP    | 4          | 2626.200   | -42.74      | -25         | Pass   |

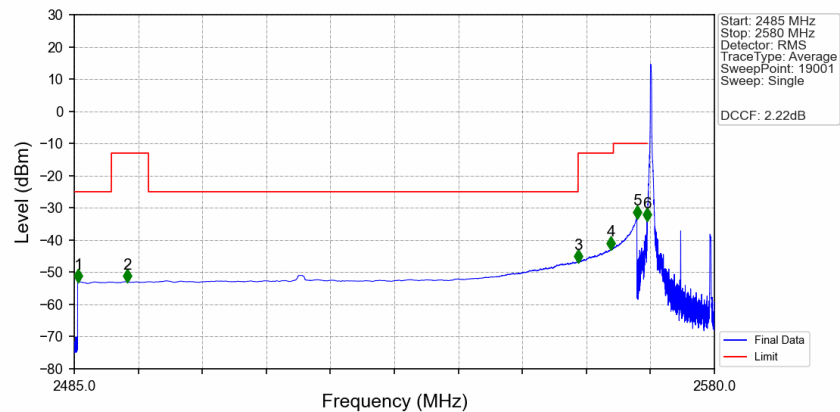
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2615        | 2620       | 0.109     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.109     | CHP    | 1          | 2620.460   | -31.08      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.510   | -26.97      | -10         | Pass   |
| 2625        | 2626       | 1         | CHP    | 3          | 2625.005   | -34.33      | -13         | Pass   |
| 2626        | 2630       | 1         | CHP    | 4          | 2626.070   | -36.92      | -25         | Pass   |

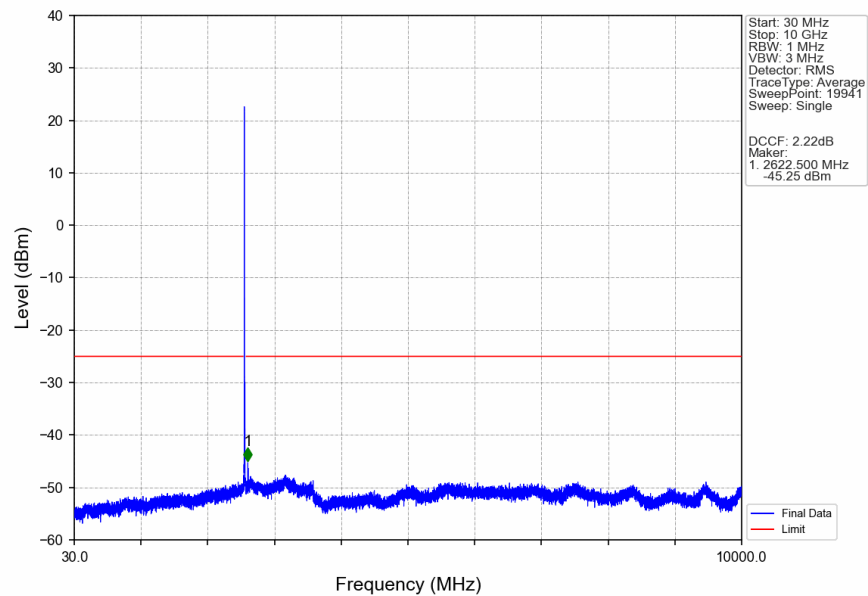
5.2.2 B38\_10MHz

Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV

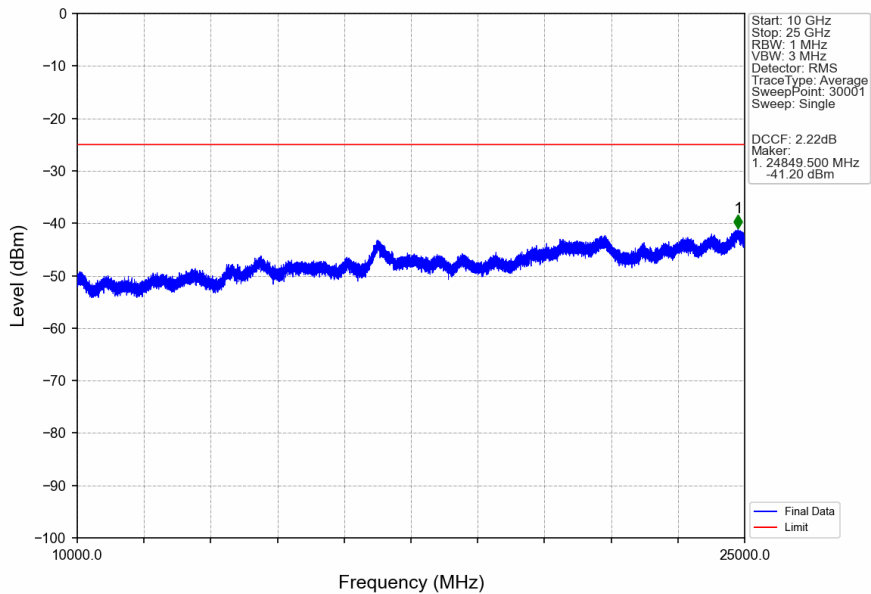


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2485.570   | -52.94      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2492.840   | -52.88      | -13         | Pass   |
| 2496        | 2559.766   | 1         | CHP    | 3          | 2559.745   | -46.77      | -25         | Pass   |
| 2559.766    | 2565       | 1         | CHP    | 4          | 2564.665   | -42.61      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -33.00      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.995   | -33.75      | -10         | Pass   |
| 2570        | 2580       | 0.02      | CHP    | /          | /          | /           | /           | /      |

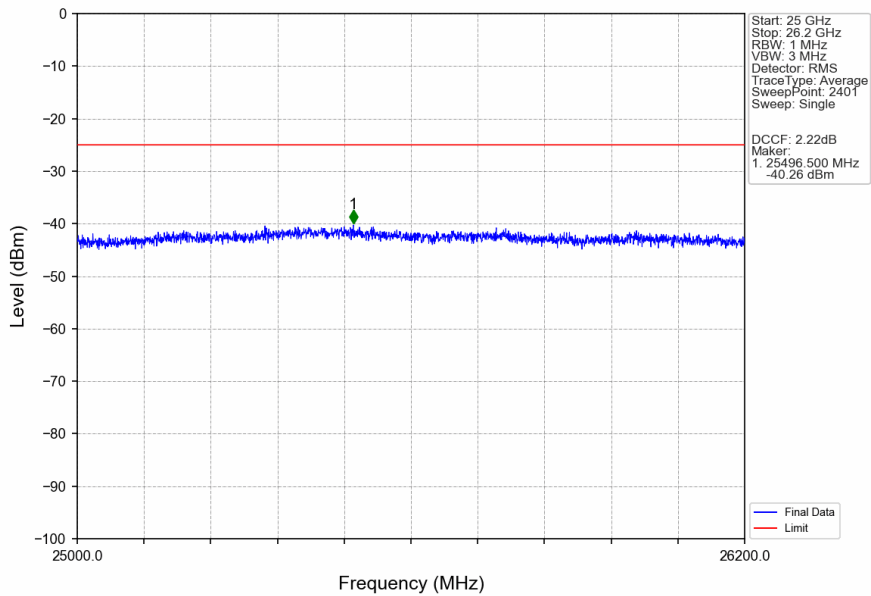
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV



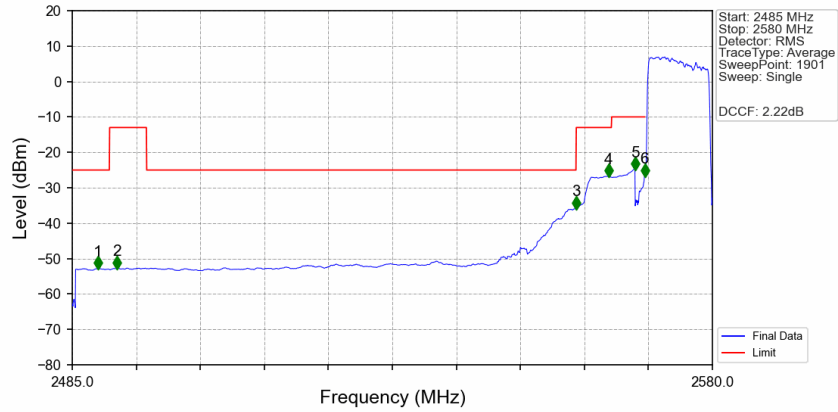
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV



Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV

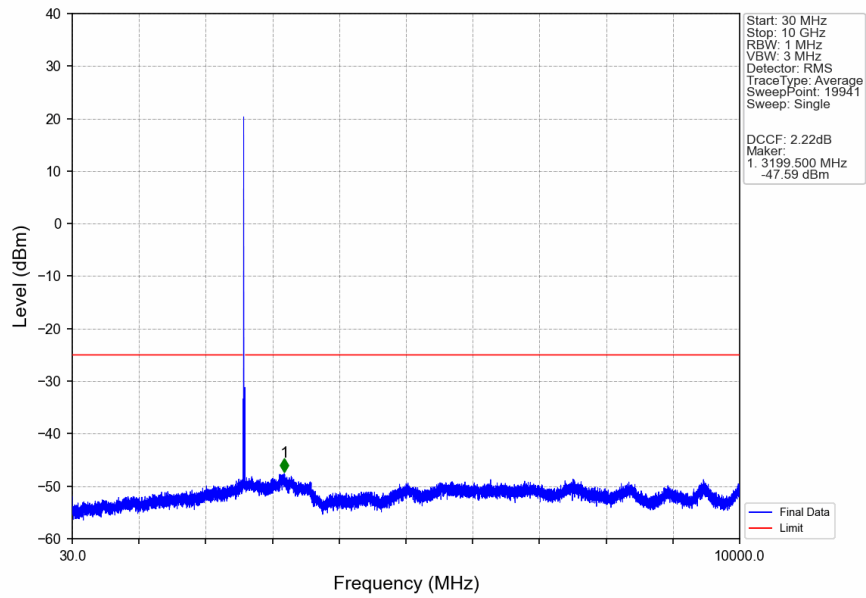


# Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_50\_0\_NTNV

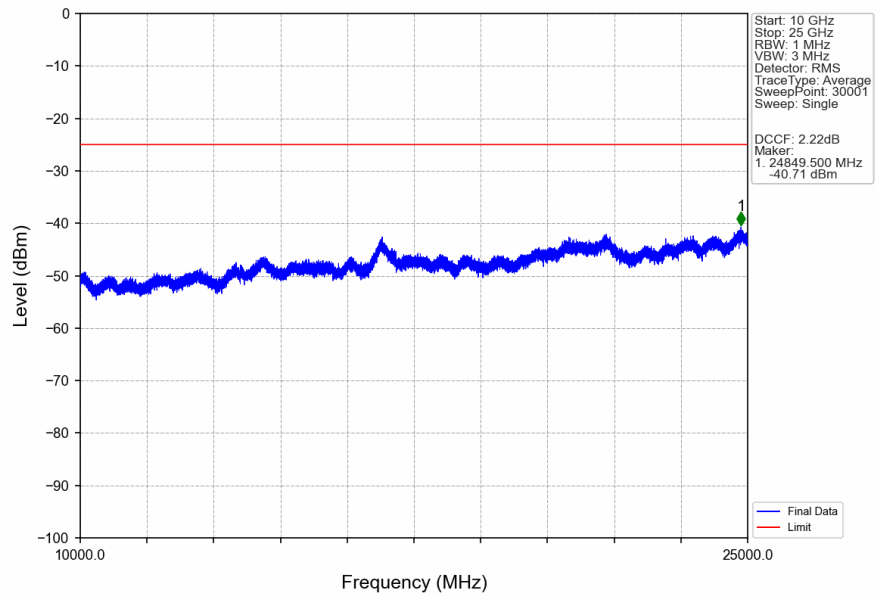


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2488.800   | -52.78      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2491.650   | -52.65      | -13         | Pass   |
| 2496        | 2559.766   | 1         | CHP    | 3          | 2559.750   | -35.81      | -25         | Pass   |
| 2559.766    | 2565       | 1         | CHP    | 4          | 2564.600   | -26.74      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -24.75      | -10         | Pass   |
| 2569        | 2570       | 0.205     | CHP    | 6          | 2569.950   | -26.59      | -10         | Pass   |
| 2570        | 2580       | 0.205     | CHP    | /          | /          | /           | /           | /      |

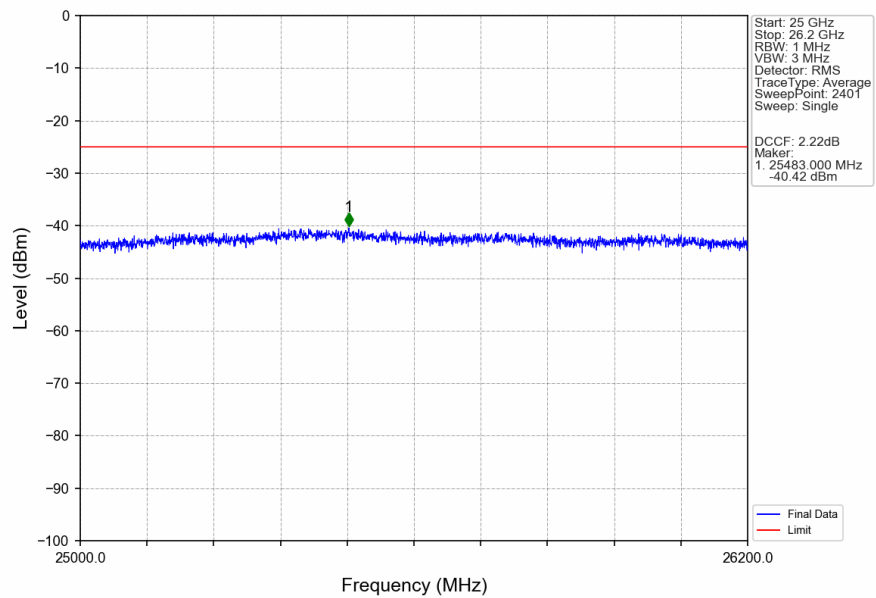
# Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



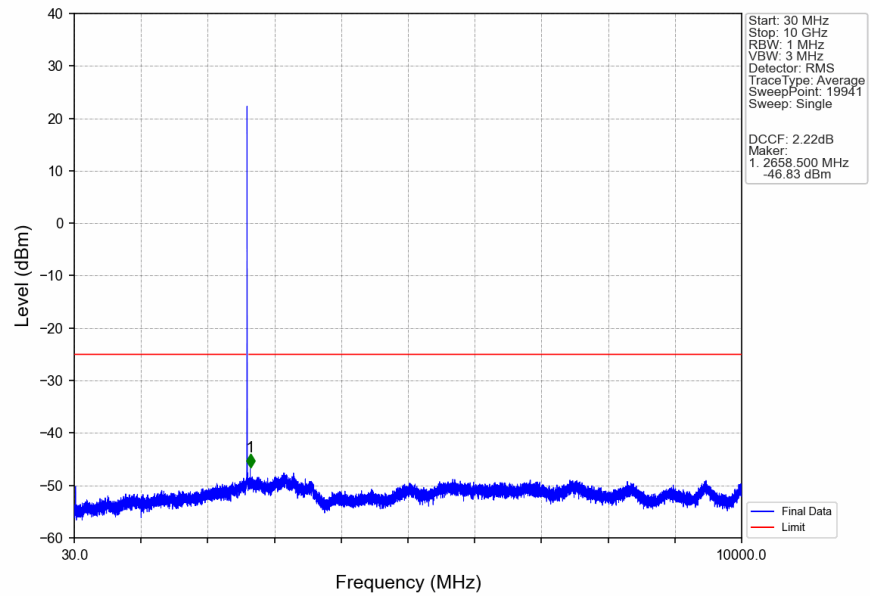
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



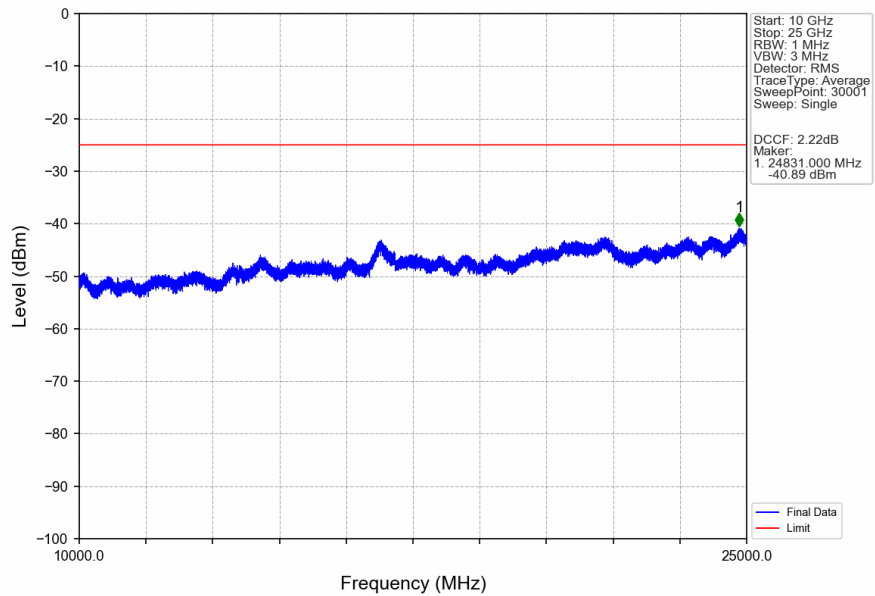
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



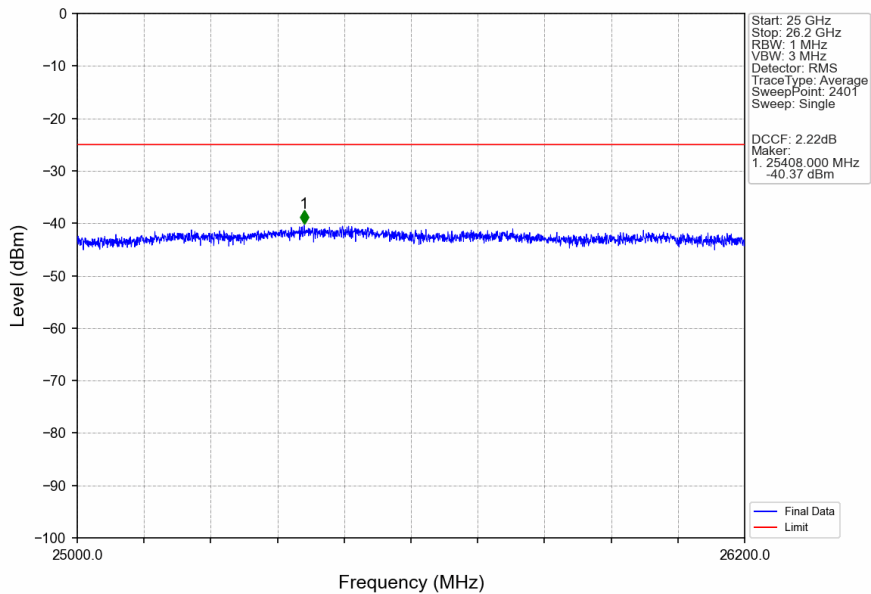
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



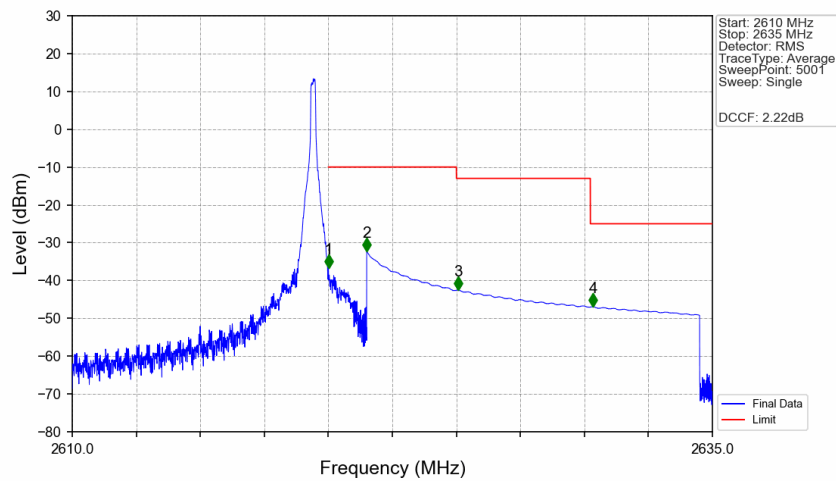
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV

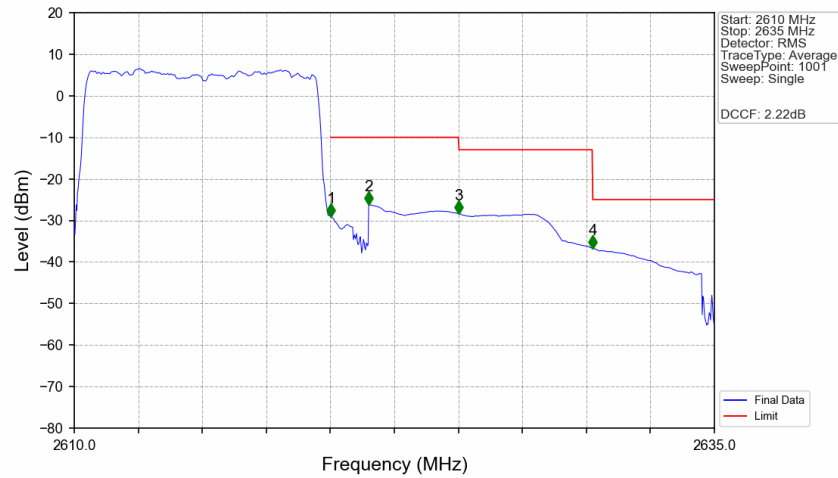


Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_49\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2610        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.005   | -36.66      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -32.33      | -10         | Pass   |
| 2625        | 2630.234   | 1         | CHP    | 3          | 2625.070   | -42.52      | -13         | Pass   |
| 2630.234    | 2635       | 1         | CHP    | 4          | 2630.335   | -46.94      | -25         | Pass   |

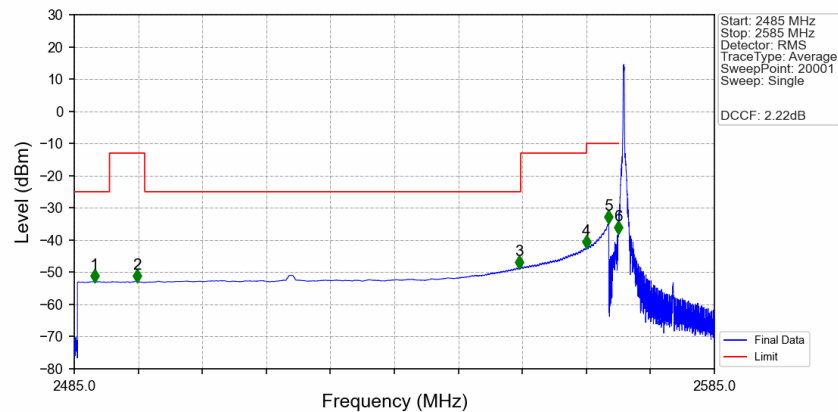
Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2610        | 2620       | 0.205     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.205     | CHP    | 1          | 2620.025   | -29.13      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -26.14      | -10         | Pass   |
| 2625        | 2630.234   | 1         | CHP    | 3          | 2625.025   | -28.36      | -13         | Pass   |
| 2630.234    | 2635       | 1         | CHP    | 4          | 2630.250   | -36.73      | -25         | Pass   |

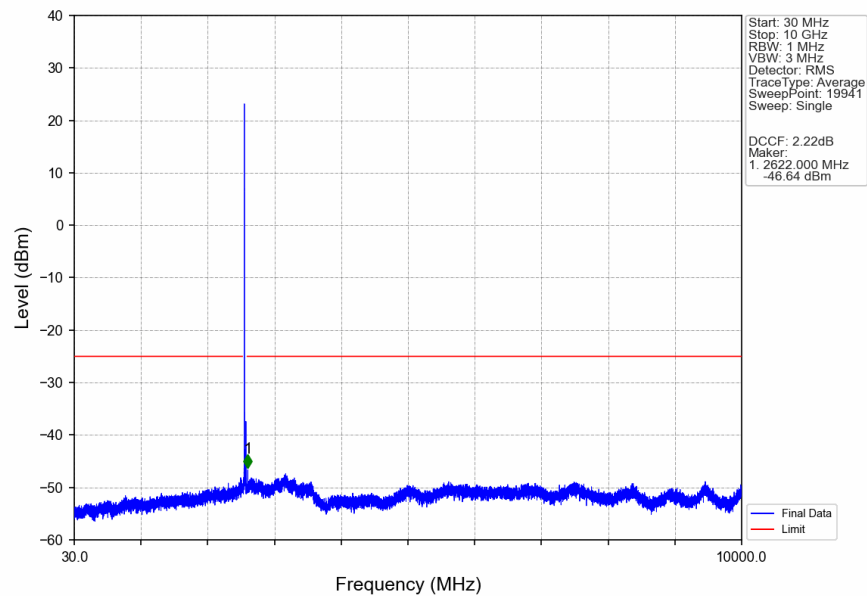
5.2.3 B38\_15MHz

Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

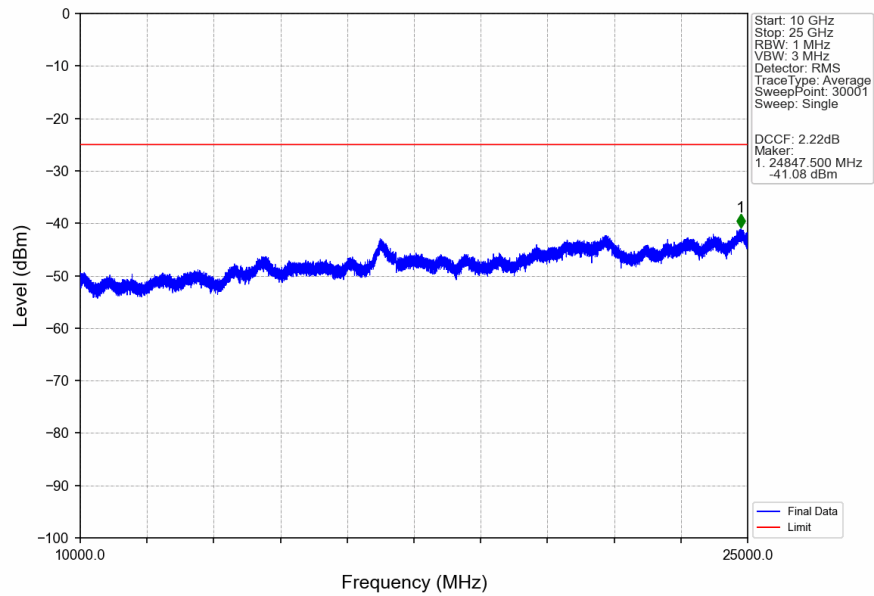


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2488.195   | -52.92      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.825   | -52.79      | -13         | Pass   |
| 2496        | 2554.734   | 1         | CHP    | 3          | 2554.545   | -48.57      | -25         | Pass   |
| 2554.734    | 2565       | 1         | CHP    | 4          | 2564.995   | -42.29      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.495   | -34.53      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.950   | -37.76      | -10         | Pass   |
| 2570        | 2585       | 0.02      | CHP    | /          | /          | /           | /           | /      |

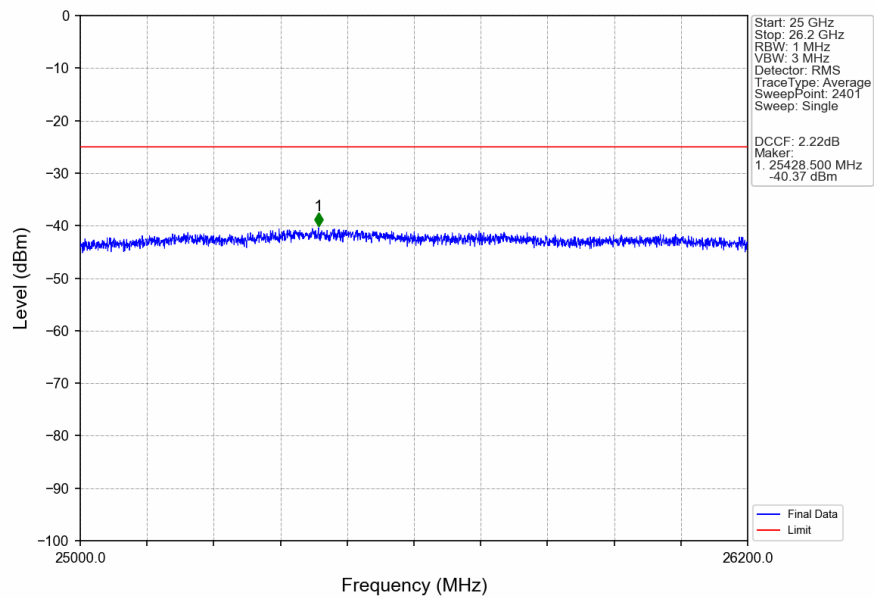
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



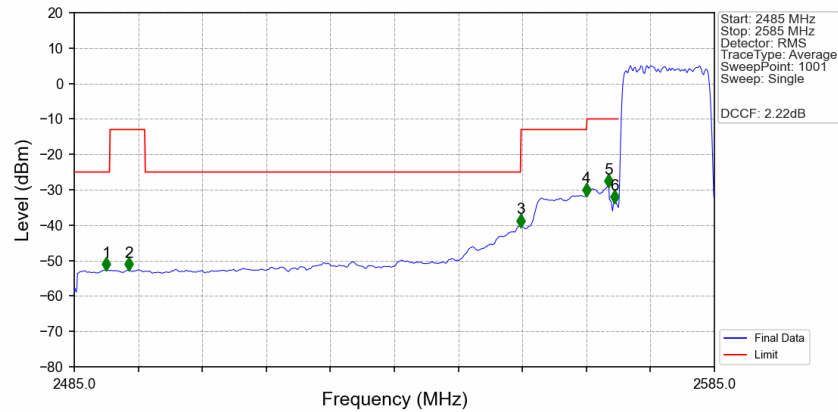
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

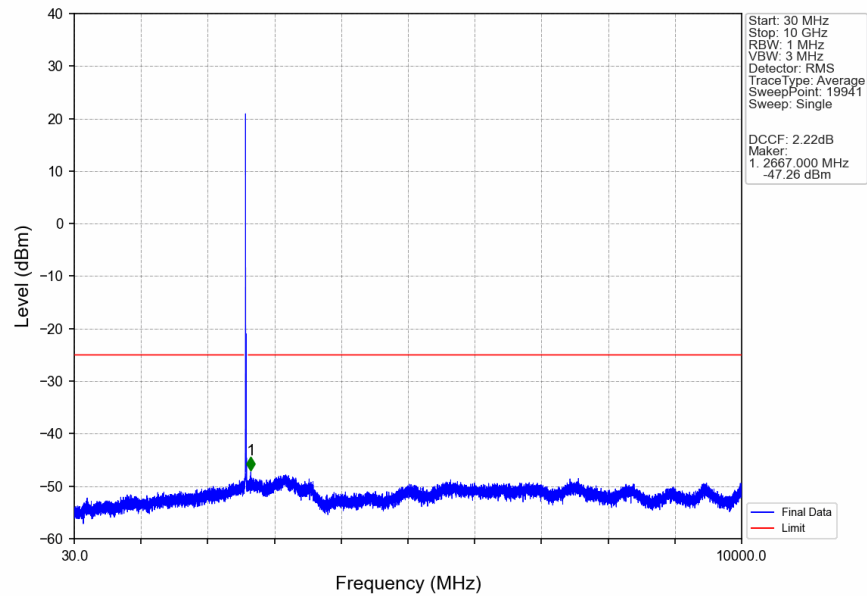


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

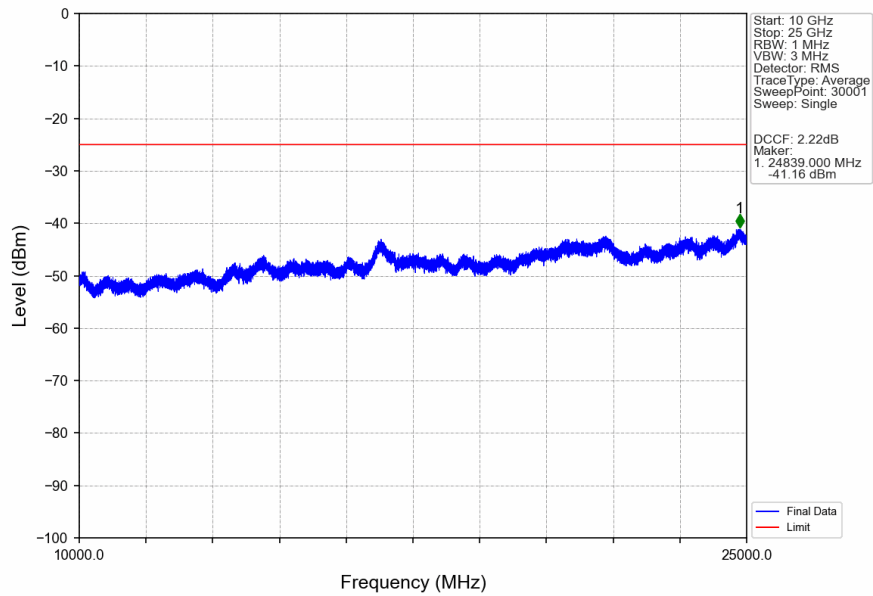


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.000   | -52.58      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2493.500   | -52.61      | -13         | Pass   |
| 2496        | 2554.734   | 1         | CHP    | 3          | 2554.700   | -40.27      | -25         | Pass   |
| 2554.734    | 2565       | 1         | CHP    | 4          | 2565.000   | -31.50      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.400   | -28.98      | -10         | Pass   |
| 2569        | 2570       | 0.305     | CHP    | 6          | 2569.400   | -33.47      | -10         | Pass   |
| 2570        | 2585       | 0.305     | CHP    | /          | /          | /           | /           | /      |

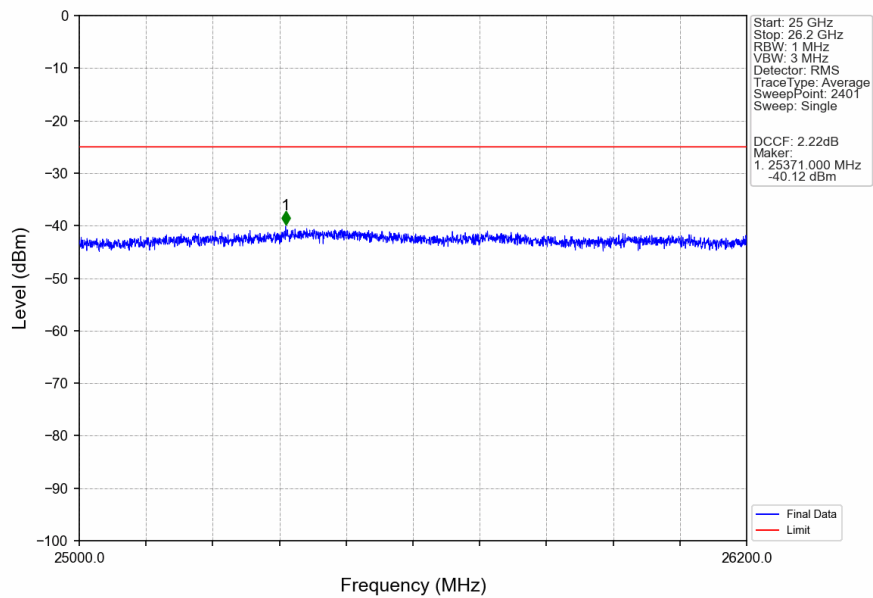
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



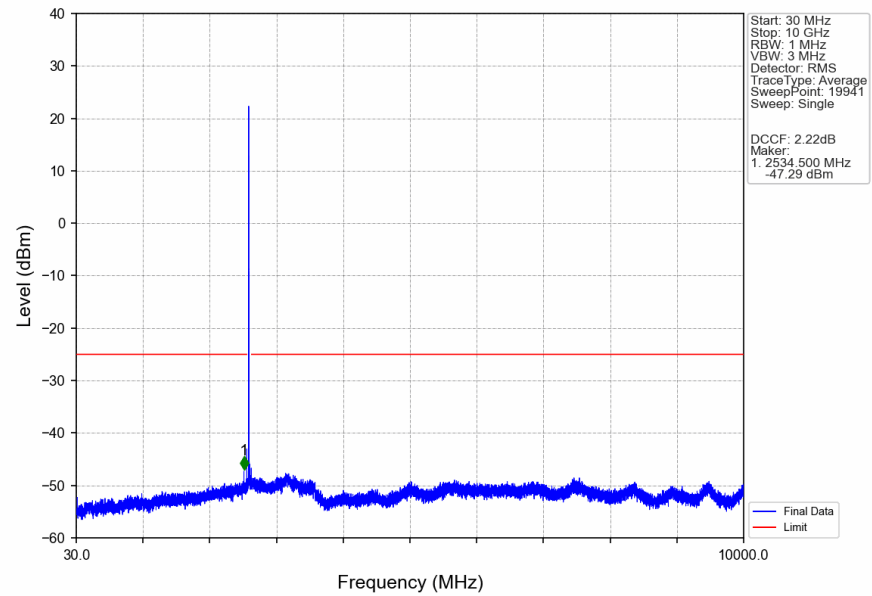
# Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



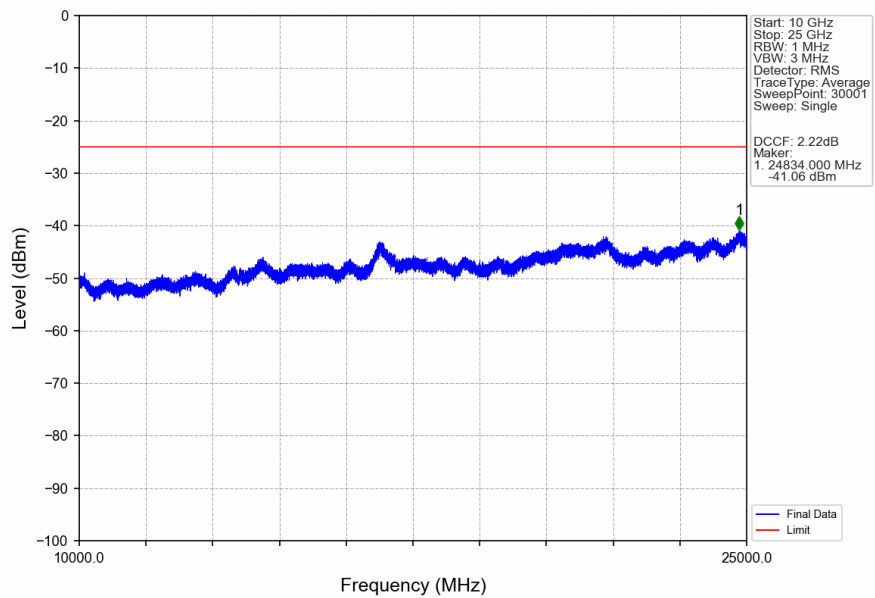
# Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



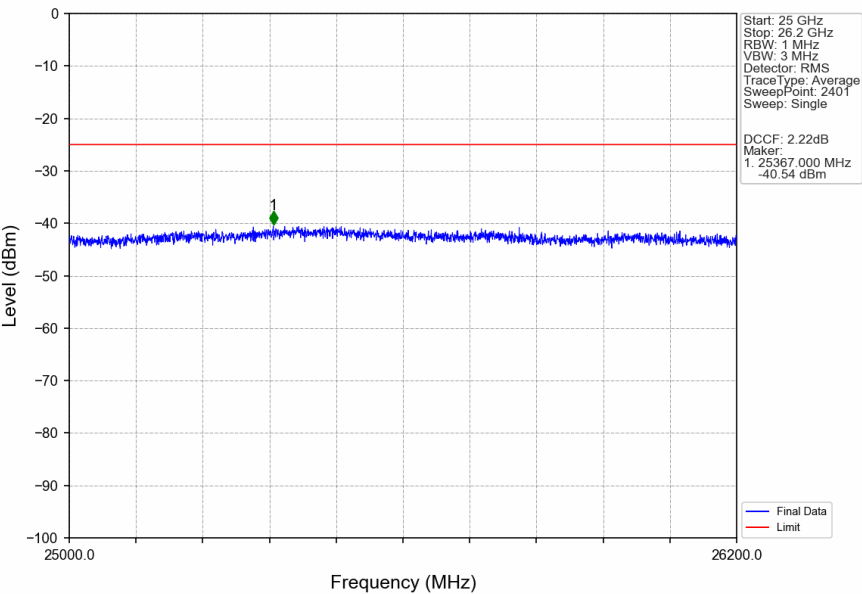
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



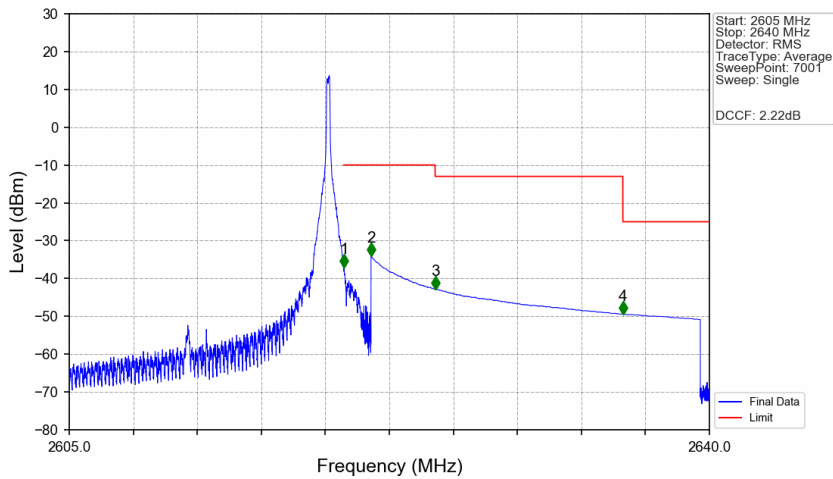
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV

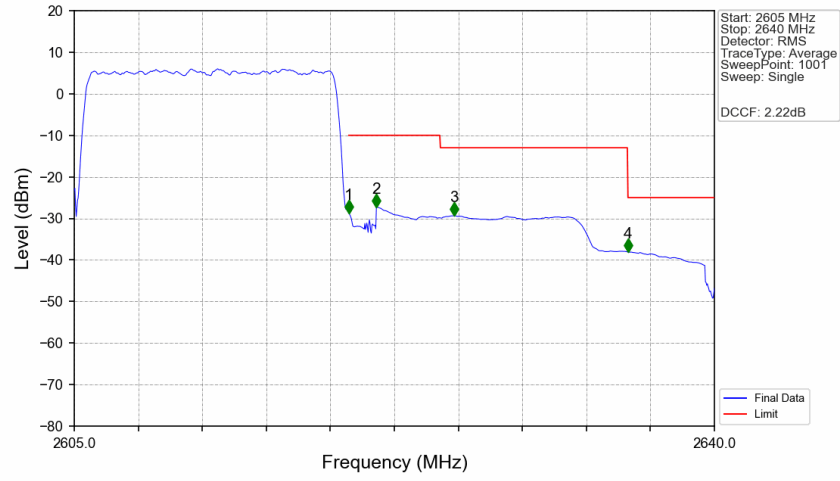


Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2605        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.025   | -37.06      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -34.15      | -10         | Pass   |
| 2625        | 2635.266   | 1         | CHP    | 3          | 2625.010   | -42.79      | -13         | Pass   |
| 2635.266    | 2640       | 1         | CHP    | 4          | 2635.280   | -49.43      | -25         | Pass   |

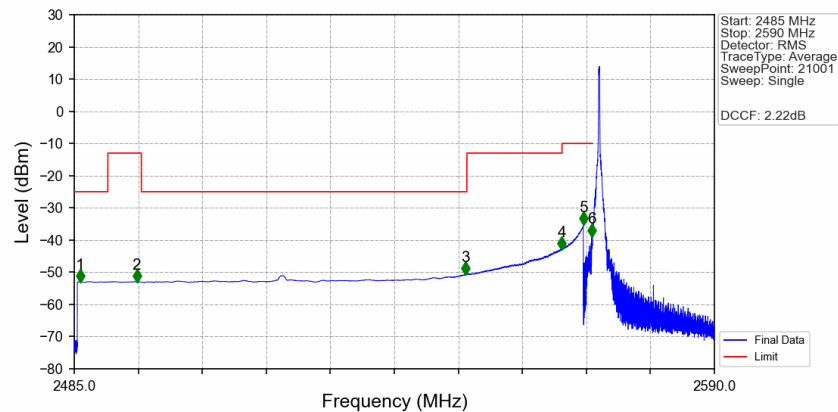
# Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2605        | 2620       | 0.305     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.305     | CHP    | 1          | 2620.015   | -28.70      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.520   | -27.23      | -10         | Pass   |
| 2625        | 2635.266   | 1         | CHP    | 3          | 2625.755   | -29.38      | -13         | Pass   |
| 2635.266    | 2640       | 1         | CHP    | 4          | 2635.275   | -38.05      | -25         | Pass   |

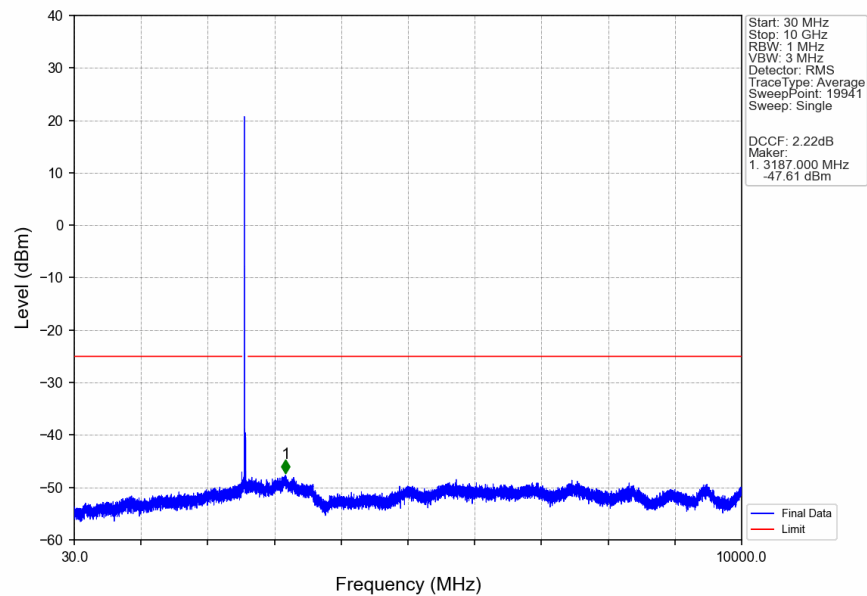
5.2.4 B38\_20MHz

Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV

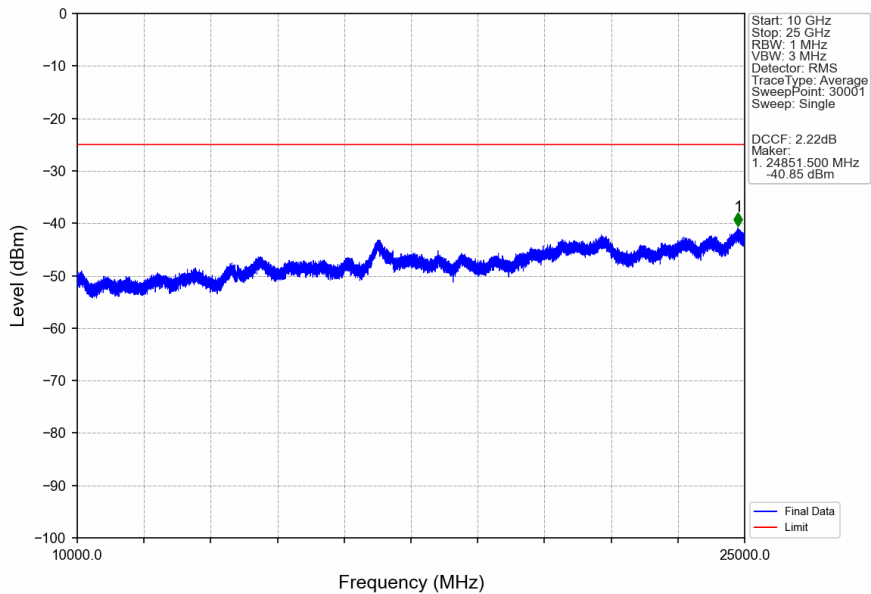


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2485.965   | -52.91      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.250   | -52.91      | -13         | Pass   |
| 2496        | 2549.399   | 1         | CHP    | 3          | 2549.155   | -50.59      | -25         | Pass   |
| 2549.399    | 2565       | 1         | CHP    | 4          | 2564.950   | -42.72      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -35.03      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.900   | -38.65      | -10         | Pass   |
| 2570        | 2590       | 0.02      | CHP    | /          | /          | /           | /           | /      |

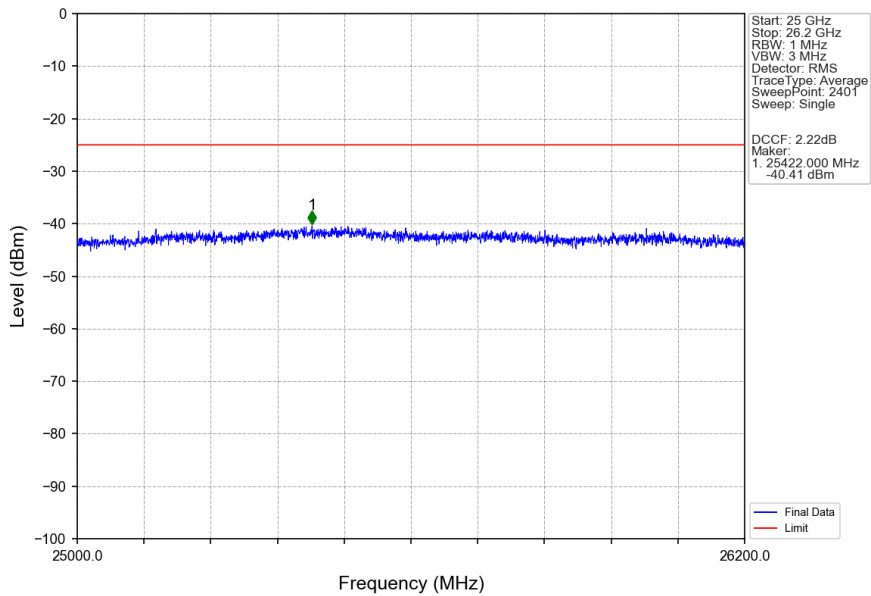
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



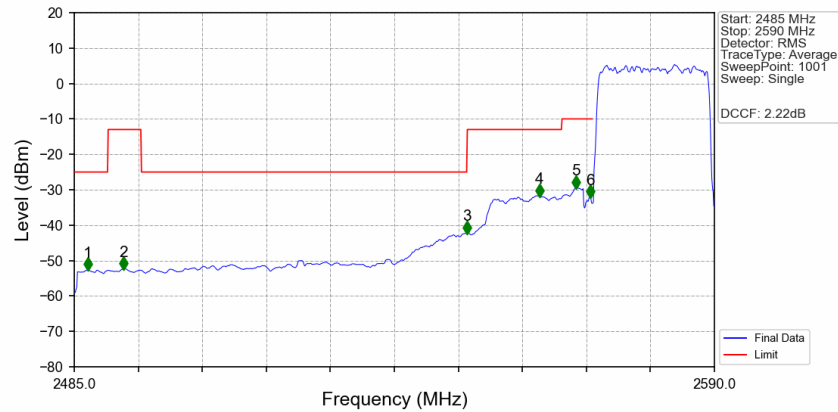
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV

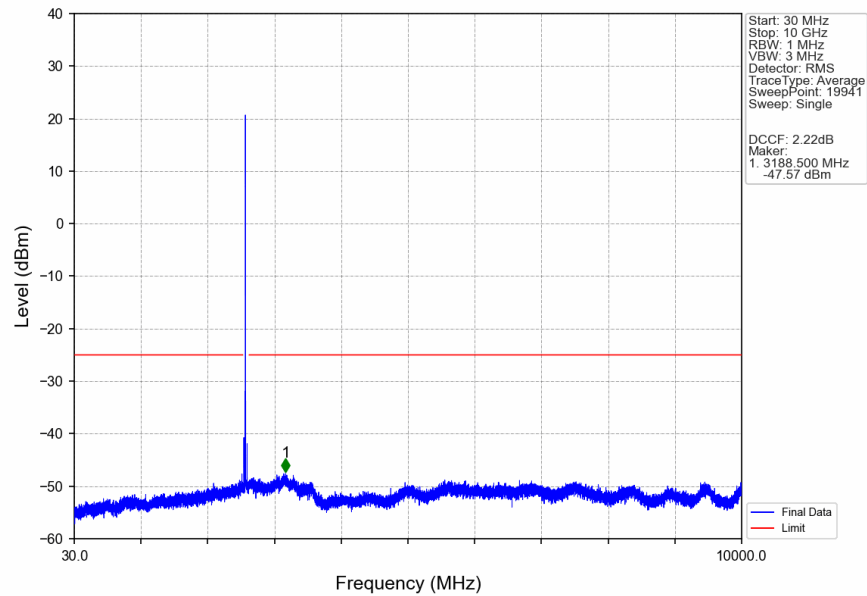


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV

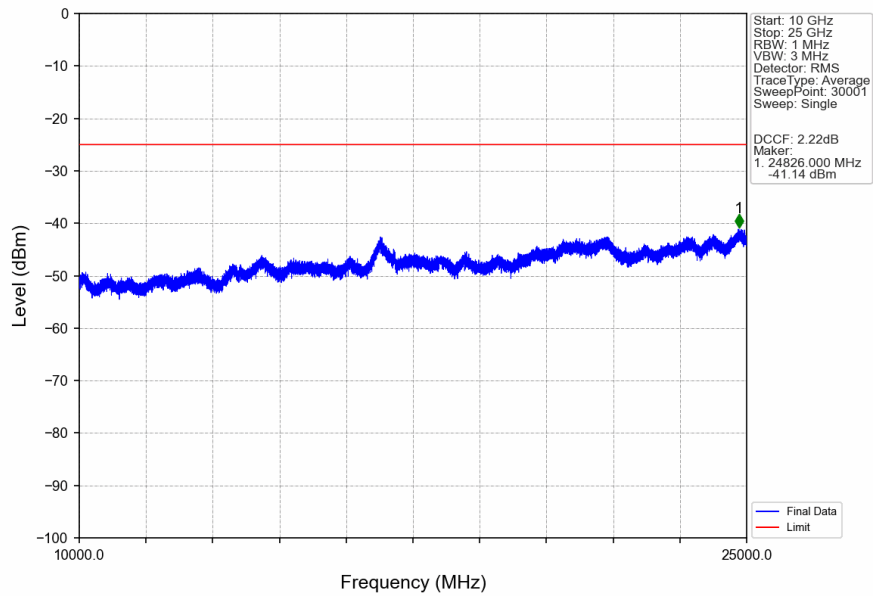


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2487.205   | -52.54      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2493.085   | -52.29      | -13         | Pass   |
| 2496        | 2549.399   | 1         | CHP    | 3          | 2549.365   | -42.21      | -25         | Pass   |
| 2549.399    | 2565       | 1         | CHP    | 4          | 2561.335   | -31.69      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2567.320   | -29.38      | -10         | Pass   |
| 2569        | 2570       | 0.412     | CHP    | 6          | 2569.630   | -32.06      | -10         | Pass   |
| 2570        | 2590       | 0.412     | CHP    | /          | /          | /           | /           | /      |

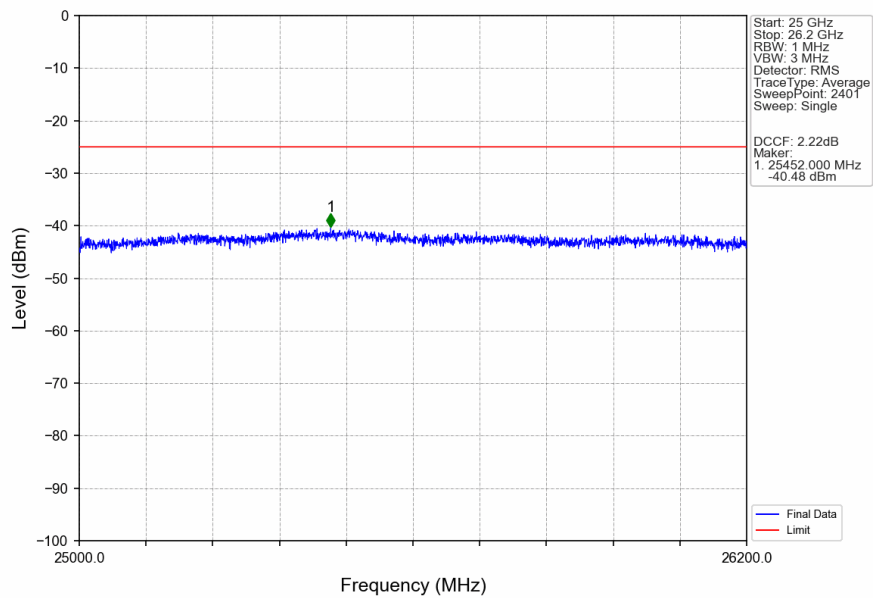
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



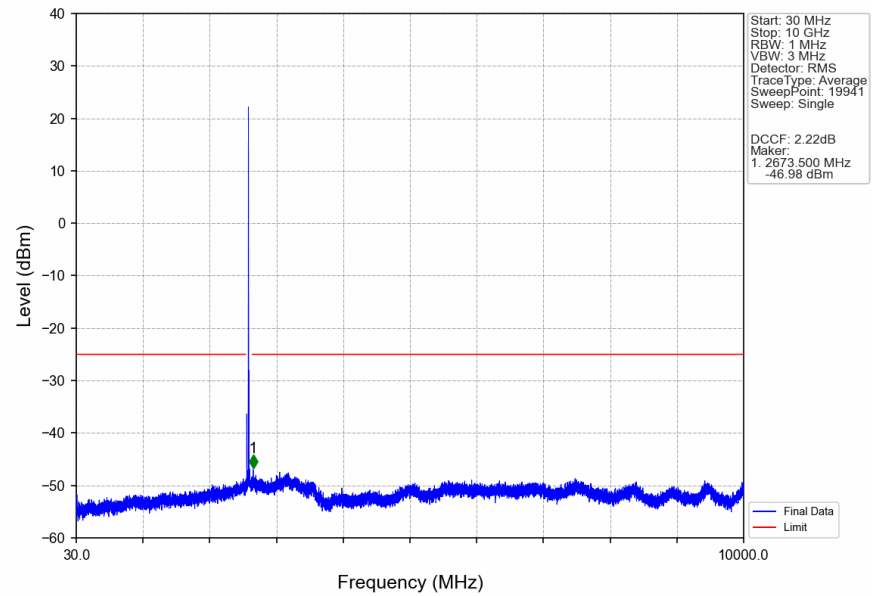
# Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



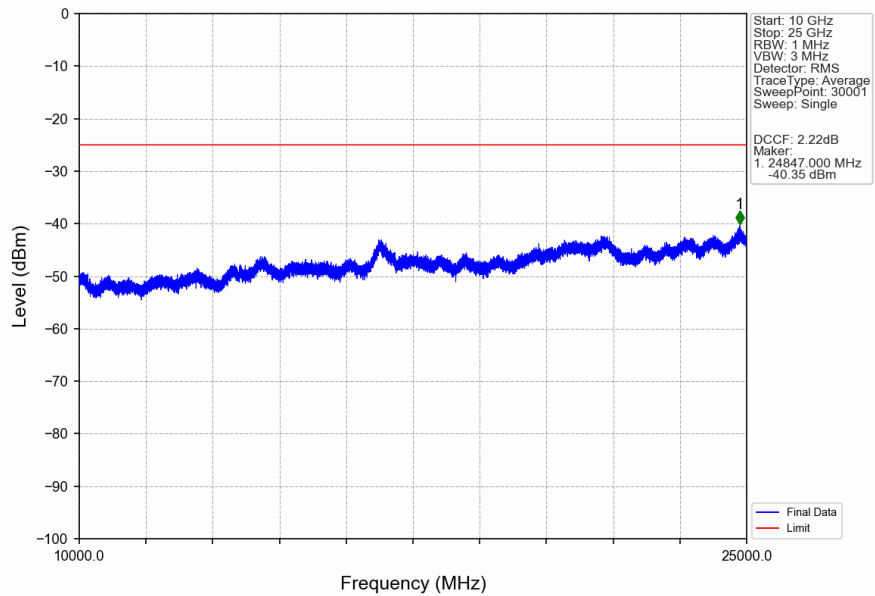
# Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



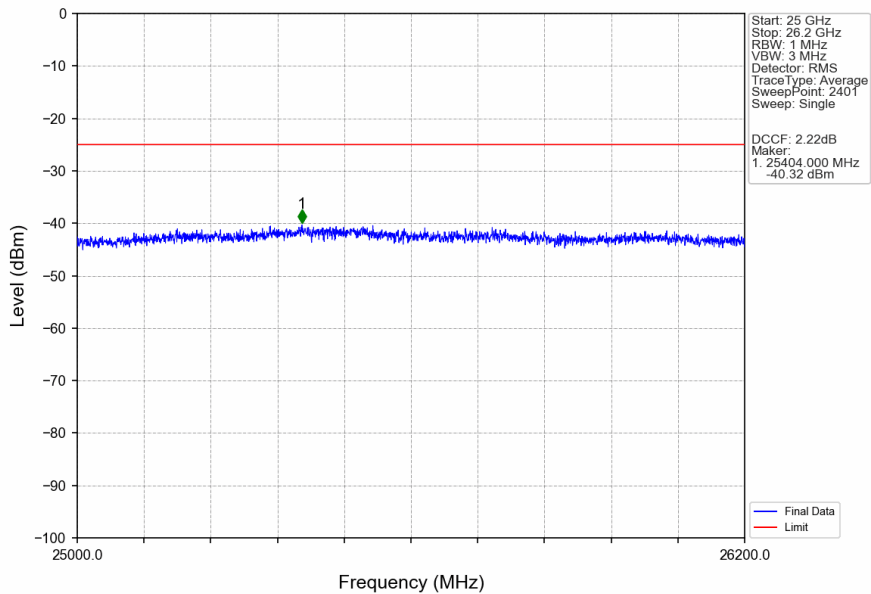
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



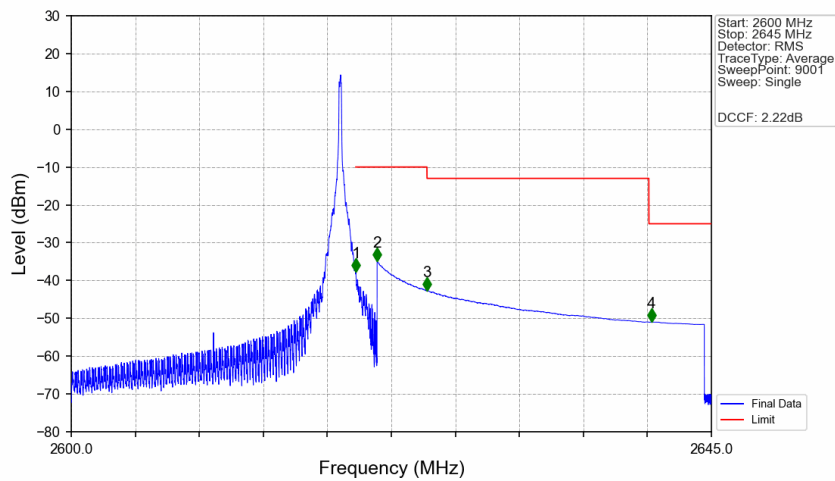
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV

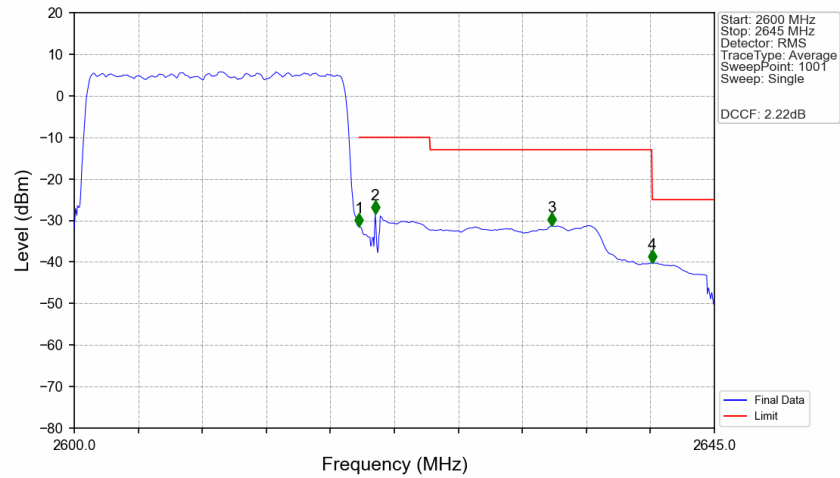


Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_99\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2600        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.005   | -37.62      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -34.84      | -10         | Pass   |
| 2625        | 2640.601   | 1         | CHP    | 3          | 2625.005   | -42.59      | -13         | Pass   |
| 2640.601    | 2645       | 1         | CHP    | 4          | 2640.780   | -50.98      | -25         | Pass   |

Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2600        | 2620       | 0.412     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.412     | CHP    | 1          | 2620.025   | -31.50      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.150   | -28.44      | -10         | Pass   |
| 2625        | 2640.601   | 1         | CHP    | 3          | 2633.570   | -31.24      | -13         | Pass   |
| 2640.601    | 2645       | 1         | CHP    | 4          | 2640.635   | -40.21      | -25         | Pass   |

## 6. Field Strength of Spurious Radiation

| LTE Band 38-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                                                            | -54.85     | -25         | -29.85          | -60.46           | 4.62            | 10.23              | Horizontal         | Pass   |
| 7713.0                                                            | -55.19     | -25         | -30.19          | -62.22           | 4.96            | 11.99              | Horizontal         | Pass   |
| 10284.0                                                           | -53.46     | -25         | -28.46          | -61.03           | 5.51            | 13.08              | Horizontal         | Pass   |
| 5142.0                                                            | -54.33     | -25         | -29.33          | -59.94           | 4.62            | 10.23              | Vertical           | Pass   |
| 7713.0                                                            | -56.25     | -25         | -31.25          | -63.28           | 4.96            | 11.99              | Vertical           | Pass   |
| 10284.0                                                           | -54.69     | -25         | -29.69          | -62.26           | 5.51            | 13.08              | Vertical           | Pass   |

| LTE Band 38-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 |
| 5172.0                                                               | -54.98     | -25         | -29.98          | -60.6            | 4.63            | 10.25              | Horizontal         | Pass   |
| 7758.0                                                               | -55.12     | -25         | -30.12          | -62.2            | 4.96            | 12.04              | Horizontal         | Pass   |
| 10344.0                                                              | -55.8      | -25         | -30.8           | -63.37           | 5.52            | 13.09              | Horizontal         | Pass   |
| 5172.0                                                               | -55.47     | -25         | -30.47          | -61.09           | 4.63            | 10.25              | Vertical           | Pass   |
| 7758.0                                                               | -57.17     | -25         | -32.17          | -64.25           | 4.96            | 12.04              | Vertical           | Pass   |
| 10344.0                                                              | -53.75     | -25         | -28.75          | -61.32           | 5.52            | 13.09              | Vertical           | Pass   |

| LTE Band 38-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 |
| 5202.0                                                             | -54.25     | -25         | -29.25          | -59.89           | 4.63            | 10.27              | Horizontal         | Pass   |
| 7803.0                                                             | -54.91     | -25         | -29.91          | -62.05           | 4.96            | 12.1               | Horizontal         | Pass   |
| 10404.0                                                            | -53.75     | -25         | -28.75          | -61.33           | 5.52            | 13.1               | Horizontal         | Pass   |
| 5202.0                                                             | -54.31     | -25         | -29.31          | -59.95           | 4.63            | 10.27              | Vertical           | Pass   |
| 7803.0                                                             | -55.39     | -25         | -30.39          | -62.53           | 4.96            | 12.1               | Vertical           | Pass   |
| 10404.0                                                            | -54.21     | -25         | -29.21          | -61.79           | 5.52            | 13.1               | Vertical           | Pass   |