

### 1.1.1 B7\_5MHz\_EIRP

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B7\_10MHz\_EIRP

| Band: 7 / Bandwidth: 10MHz / NTVN |                                          |               |        |                       |            |            |         |         |         |      |
|-----------------------------------|------------------------------------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                        | Frequency (MHz)                          | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                   |                                          | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                              | 2505                                     | 1             | 0      | 21.84                 | 1.84       | 23.68      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 25     | 21.56                 | 1.84       | 23.40      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 49     | 21.73                 | 1.84       | 23.57      | <=33.01 | Pass    |         |      |
|                                   |                                          | 25            | 0      | 21.08                 | 1.84       | 22.92      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 13     | 21.09                 | 1.84       | 22.93      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 25     | 21.11                 | 1.84       | 22.95      | <=33.01 | Pass    |         |      |
|                                   |                                          | 50            | 0      | 21.09                 | 1.84       | 22.93      | <=33.01 | Pass    |         |      |
|                                   |                                          | 2535          | 1      | 0                     | 22.22      | 1.84       | 24.06   | <=33.01 | Pass    |      |
|                                   |                                          |               |        | 25                    | 21.77      | 1.84       | 23.61   | <=33.01 | Pass    |      |
|                                   | 49                                       |               |        | 21.49                 | 1.84       | 23.33      | <=33.01 | Pass    |         |      |
|                                   | 25                                       |               | 0      | 21.55                 | 1.84       | 23.39      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 13     | 21.64                 | 1.84       | 23.48      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 25     | 21.14                 | 1.84       | 22.98      | <=33.01 | Pass    |         |      |
|                                   | 50                                       | 0             | 20.97  | 1.84                  | 22.81      | <=33.01    | Pass    |         |         |      |
|                                   | 2565                                     | 1             | 0      | 22.63                 | 1.84       | 24.47      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 25     | 22.73                 | 1.84       | 24.57      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 49     | 21.93                 | 1.84       | 23.77      | <=33.01 | Pass    |         |      |
|                                   |                                          | 25            | 0      | 21.87                 | 1.84       | 23.71      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 13     | 21.88                 | 1.84       | 23.72      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 25     | 21.25                 | 1.84       | 23.09      | <=33.01 | Pass    |         |      |
|                                   |                                          | 50            | 0      | 21.78                 | 1.84       | 23.62      | <=33.01 | Pass    |         |      |
|                                   |                                          | 16QAM         | 2505   | 1                     | 0          | 20.90      | 1.84    | 22.74   | <=33.01 | Pass |
|                                   |                                          |               |        |                       | 25         | 20.45      | 1.84    | 22.29   | <=33.01 | Pass |
|                                   | 49                                       |               |        |                       | 20.62      | 1.84       | 22.46   | <=33.01 | Pass    |      |
|                                   | 12                                       |               |        | 0                     | 20.28      | 1.84       | 22.12   | <=33.01 | Pass    |      |
|                                   |                                          |               |        | 19                    | 20.07      | 1.84       | 21.91   | <=33.01 | Pass    |      |
|                                   |                                          |               |        | 38                    | 20.36      | 1.84       | 22.20   | <=33.01 | Pass    |      |
| 27                                | 0                                        |               |        | 19.17                 | 1.84       | 21.01      | <=33.01 | Pass    |         |      |
| 2535                              | 1                                        |               |        | 0                     | 21.45      | 1.84       | 23.29   | <=33.01 | Pass    |      |
|                                   |                                          |               |        | 25                    | 20.52      | 1.84       | 22.36   | <=33.01 | Pass    |      |
|                                   |                                          |               | 49     | 20.59                 | 1.84       | 22.43      | <=33.01 | Pass    |         |      |
|                                   | 12                                       |               | 0      | 21.15                 | 1.84       | 22.99      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 19     | 20.44                 | 1.84       | 22.28      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 38     | 20.47                 | 1.84       | 22.31      | <=33.01 | Pass    |         |      |
| 27                                | 0                                        |               | 20.09  | 1.84                  | 21.93      | <=33.01    | Pass    |         |         |      |
| 2565                              | 1                                        |               | 0      | 21.91                 | 1.84       | 23.75      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 25     | 21.92                 | 1.84       | 23.76      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 49     | 20.38                 | 1.84       | 22.22      | <=33.01 | Pass    |         |      |
|                                   | 12                                       |               | 0      | 21.91                 | 1.84       | 23.75      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 19     | 21.95                 | 1.84       | 23.79      | <=33.01 | Pass    |         |      |
|                                   |                                          |               | 38     | 20.86                 | 1.84       | 22.70      | <=33.01 | Pass    |         |      |
|                                   | 27                                       |               | 23     | 20.52                 | 1.84       | 22.36      | <=33.01 | Pass    |         |      |
|                                   | Note1: EIRP=Conducted Power+Antenna Gain |               |        |                       |            |            |         |         |         |      |

### 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTV         |                 |               |        |                       |            |            |         |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |         |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |         |      |
| QPSK                                     | 2507.5          | 1             | 0      | 21.93                 | 1.84       | 23.77      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 21.88                 | 1.84       | 23.72      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 21.84                 | 1.84       | 23.68      | <=33.01 | Pass    |         |      |
|                                          |                 | 36            | 0      | 20.85                 | 1.84       | 22.69      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 20.77                 | 1.84       | 22.61      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 20.60                 | 1.84       | 22.44      | <=33.01 | Pass    |         |      |
|                                          |                 | 75            | 0      | 20.19                 | 1.84       | 22.03      | <=33.01 | Pass    |         |      |
|                                          |                 | 2535          | 1      | 0                     | 22.62      | 1.84       | 24.46   | <=33.01 | Pass    |      |
|                                          |                 |               |        | 38                    | 22.21      | 1.84       | 24.05   | <=33.01 | Pass    |      |
|                                          | 74              |               |        | 22.03                 | 1.84       | 23.87      | <=33.01 | Pass    |         |      |
|                                          | 36              |               | 0      | 20.90                 | 1.84       | 22.74      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 20.29                 | 1.84       | 22.13      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 20.76                 | 1.84       | 22.60      | <=33.01 | Pass    |         |      |
|                                          | 75              | 0             | 20.68  | 1.84                  | 22.52      | <=33.01    | Pass    |         |         |      |
|                                          | 2562.5          | 1             | 0      | 22.56                 | 1.84       | 24.40      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 22.87                 | 1.84       | 24.71      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 22.19                 | 1.84       | 24.03      | <=33.01 | Pass    |         |      |
|                                          |                 | 36            | 0      | 21.31                 | 1.84       | 23.15      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 18     | 21.29                 | 1.84       | 23.13      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 39     | 21.33                 | 1.84       | 23.17      | <=33.01 | Pass    |         |      |
|                                          |                 | 75            | 0      | 21.95                 | 1.84       | 23.79      | <=33.01 | Pass    |         |      |
|                                          |                 | 16QAM         | 2507.5 | 1                     | 0          | 20.83      | 1.84    | 22.67   | <=33.01 | Pass |
|                                          |                 |               |        |                       | 38         | 20.99      | 1.84    | 22.83   | <=33.01 | Pass |
|                                          | 74              |               |        |                       | 21.13      | 1.84       | 22.97   | <=33.01 | Pass    |      |
| 12                                       | 0               |               |        | 20.46                 | 1.84       | 22.30      | <=33.01 | Pass    |         |      |
|                                          | 31              |               |        | 20.32                 | 1.84       | 22.16      | <=33.01 | Pass    |         |      |
|                                          | 63              |               |        | 21.40                 | 1.84       | 23.24      | <=33.01 | Pass    |         |      |
| 27                                       | 0               |               |        | 20.16                 | 1.84       | 22.00      | <=33.01 | Pass    |         |      |
| 2535                                     | 1               |               | 0      | 21.93                 | 1.84       | 23.77      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 20.59                 | 1.84       | 22.43      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 20.97                 | 1.84       | 22.81      | <=33.01 | Pass    |         |      |
|                                          | 12              |               | 0      | 21.41                 | 1.84       | 23.25      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 31     | 20.57                 | 1.84       | 22.41      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 63     | 20.10                 | 1.84       | 21.94      | <=33.01 | Pass    |         |      |
| 27                                       | 0               |               | 20.35  | 1.84                  | 22.19      | <=33.01    | Pass    |         |         |      |
| 2562.5                                   | 1               |               | 0      | 21.95                 | 1.84       | 23.79      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 38     | 21.77                 | 1.84       | 23.61      | <=33.01 | Pass    |         |      |
|                                          |                 |               | 74     | 20.95                 | 1.84       | 22.79      | <=33.01 | Pass    |         |      |
|                                          | 12              |               | 0      | 21.82                 | 1.84       | 23.66      | <=33.01 | Pass    |         |      |
|                                          |                 | 31            | 20.77  | 1.84                  | 22.61      | <=33.01    | Pass    |         |         |      |
|                                          |                 | 63            | 21.07  | 1.84                  | 22.91      | <=33.01    | Pass    |         |         |      |
|                                          | 27              | 48            | 20.73  | 1.84                  | 22.57      | <=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      | 22.11                 | 1.84       | 23.95      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 50     | 22.00                 | 1.84       | 23.84      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 99     | 22.28                 | 1.84       | 24.12      | <=33.01 | Pass    |         |      |
|                                  |                                          | 50            | 0      | 20.25                 | 1.84       | 22.09      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 25     | 20.45                 | 1.84       | 22.29      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 50     | 21.33                 | 1.84       | 23.17      | <=33.01 | Pass    |         |      |
|                                  |                                          | 100           | 0      | 20.10                 | 1.84       | 21.94      | <=33.01 | Pass    |         |      |
|                                  |                                          | 2535          | 1      | 0                     | 22.92      | 1.84       | 24.76   | <=33.01 | Pass    |      |
|                                  |                                          |               |        | 50                    | 22.75      | 1.84       | 24.59   | <=33.01 | Pass    |      |
|                                  | 99                                       |               |        | 22.49                 | 1.84       | 24.33      | <=33.01 | Pass    |         |      |
|                                  | 50                                       |               | 0      | 21.39                 | 1.84       | 23.23      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 25     | 20.56                 | 1.84       | 22.40      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 50     | 20.73                 | 1.84       | 22.57      | <=33.01 | Pass    |         |      |
|                                  | 100                                      | 0             | 20.74  | 1.84                  | 22.58      | <=33.01    | Pass    |         |         |      |
|                                  | 2560                                     | 1             | 0      | 21.71                 | 1.84       | 23.55      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 50     | 22.93                 | 1.84       | 24.77      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 99     | 22.19                 | 1.84       | 24.03      | <=33.01 | Pass    |         |      |
|                                  |                                          | 50            | 0      | 21.91                 | 1.84       | 23.75      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 25     | 21.58                 | 1.84       | 23.42      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 50     | 21.79                 | 1.84       | 23.63      | <=33.01 | Pass    |         |      |
|                                  |                                          | 100           | 0      | 21.69                 | 1.84       | 23.53      | <=33.01 | Pass    |         |      |
|                                  |                                          | 16QAM         | 2510   | 1                     | 0          | 20.66      | 1.84    | 22.50   | <=33.01 | Pass |
|                                  |                                          |               |        |                       | 50         | 20.96      | 1.84    | 22.80   | <=33.01 | Pass |
|                                  | 99                                       |               |        |                       | 21.75      | 1.84       | 23.59   | <=33.01 | Pass    |      |
|                                  | 12                                       |               |        | 0                     | 20.40      | 1.84       | 22.24   | <=33.01 | Pass    |      |
|                                  |                                          |               |        | 44                    | 20.83      | 1.84       | 22.67   | <=33.01 | Pass    |      |
|                                  |                                          |               |        | 88                    | 21.78      | 1.84       | 23.62   | <=33.01 | Pass    |      |
| 27                               | 0                                        |               |        | 19.34                 | 1.84       | 21.18      | <=33.01 | Pass    |         |      |
| 2535                             | 1                                        |               |        | 0                     | 21.93      | 1.84       | 23.77   | <=33.01 | Pass    |      |
|                                  |                                          |               |        | 50                    | 21.43      | 1.84       | 23.27   | <=33.01 | Pass    |      |
|                                  |                                          |               | 99     | 20.14                 | 1.84       | 21.98      | <=33.01 | Pass    |         |      |
|                                  | 12                                       |               | 0      | 21.85                 | 1.84       | 23.69      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 44     | 20.49                 | 1.84       | 22.33      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 88     | 20.26                 | 1.84       | 22.10      | <=33.01 | Pass    |         |      |
| 27                               | 0                                        |               | 20.55  | 1.84                  | 22.39      | <=33.01    | Pass    |         |         |      |
| 2560                             | 1                                        |               | 0      | 21.28                 | 1.84       | 23.12      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 50     | 21.93                 | 1.84       | 23.77      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 99     | 21.07                 | 1.84       | 22.91      | <=33.01 | Pass    |         |      |
|                                  | 12                                       |               | 0      | 21.24                 | 1.84       | 23.08      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 44     | 21.78                 | 1.84       | 23.62      | <=33.01 | Pass    |         |      |
|                                  |                                          |               | 88     | 21.03                 | 1.84       | 22.87      | <=33.01 | Pass    |         |      |
|                                  | 27                                       |               | 73     | 20.73                 | 1.84       | 22.57      | <=33.01 | Pass    |         |      |
|                                  | Note1: EIRP=Conducted Power+Antenna Gain |               |        |                       |            |            |         |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2535            | 50            | 0      | 20         | 3.40          | -5.907           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.60          | 4.902            | 0.0019                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.20          | 0.911            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.60          | 6.525            | 0.0026                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.60          | 6.287            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.60          | 4.265            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.60          | 2.606            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.60          | -0.555           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.60          | 3.230            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.60          | 5.610            | 0.0022                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.60          | 0.570            | 0.0002                | -2.5 to 2.5 | Pass    |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band7\_OBW

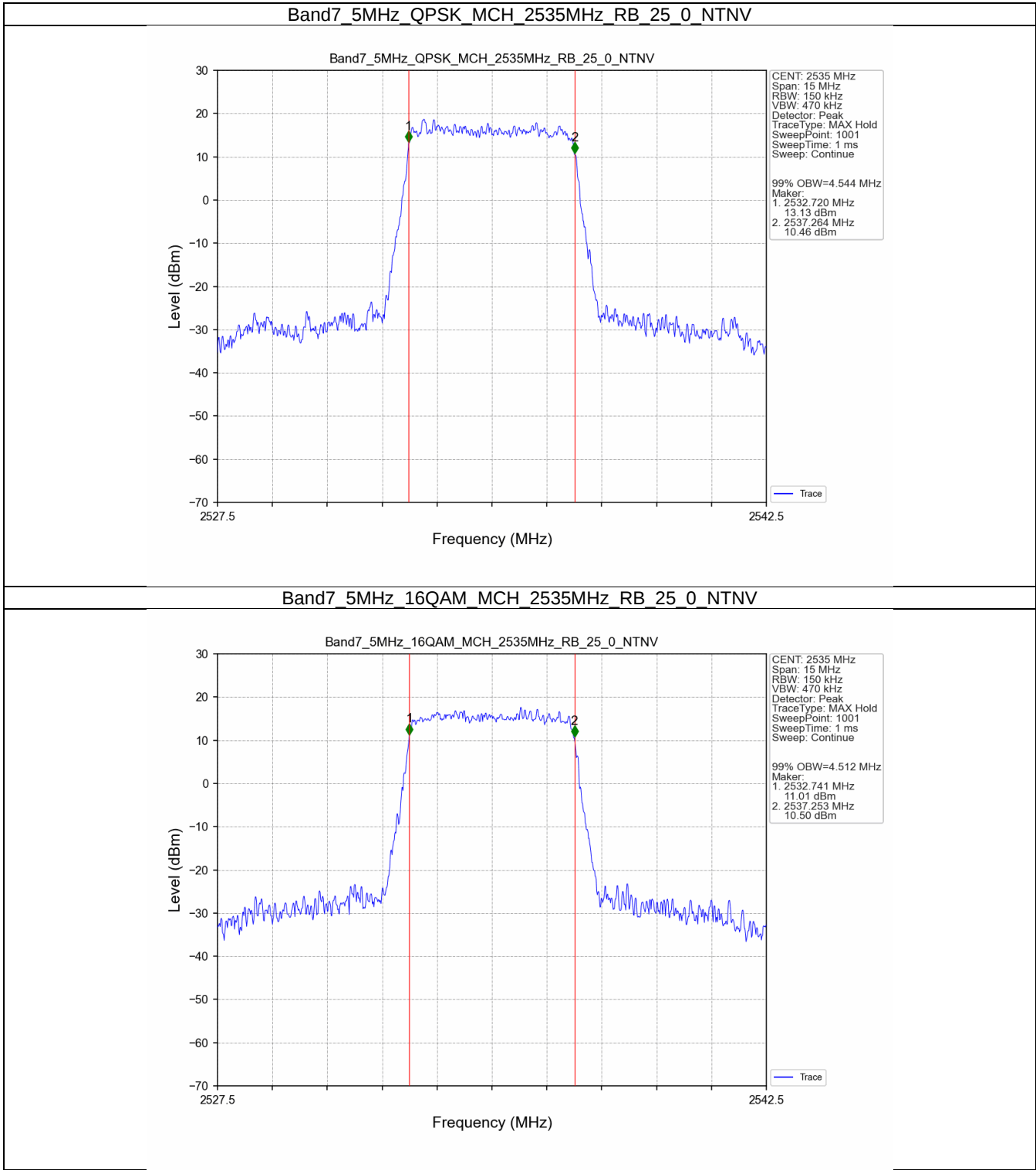
| Band: 7 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2535            | 25            | 0      | 4.544                        | /     | Pass    |
|                 | 16QAM      | 2535            | 25            | 0      | 4.512                        | /     | Pass    |
| 10              | QPSK       | 2535            | 50            | 0      | 9.010                        | /     | Pass    |
|                 | 16QAM      | 2535            | 27            | 0      | 5.392                        | /     | Pass    |
| 15              | QPSK       | 2535            | 75            | 0      | 13.672                       | /     | Pass    |
|                 | 16QAM      | 2535            | 27            | 0      | 6.315                        | /     | Pass    |
| 20              | QPSK       | 2535            | 100           | 0      | 18.133                       | /     | Pass    |
|                 | 16QAM      | 2535            | 27            | 0      | 7.748                        | /     | Pass    |

##### 3.1.2 Band7\_XDB

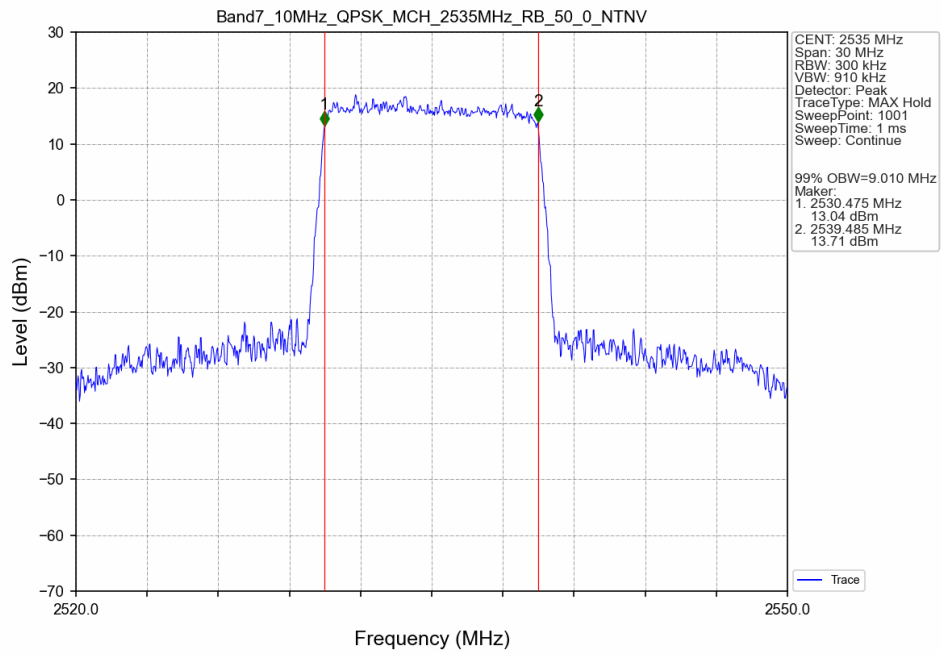
| Band: 7 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2535            | 25            | 0      | 5.149                | /     | Pass    |
|                 | 16QAM      | 2535            | 25            | 0      | 5.154                | /     | Pass    |
| 10              | QPSK       | 2535            | 50            | 0      | 9.858                | /     | Pass    |
|                 | 16QAM      | 2535            | 27            | 0      | 8.484                | /     | Pass    |
| 15              | QPSK       | 2535            | 75            | 0      | 16.910               | /     | Pass    |
|                 | 16QAM      | 2535            | 27            | 0      | 10.203               | /     | Pass    |
| 20              | QPSK       | 2535            | 100           | 0      | 21.442               | /     | Pass    |
|                 | 16QAM      | 2535            | 27            | 0      | 12.662               | /     | Pass    |

### 3.2 Test Graph

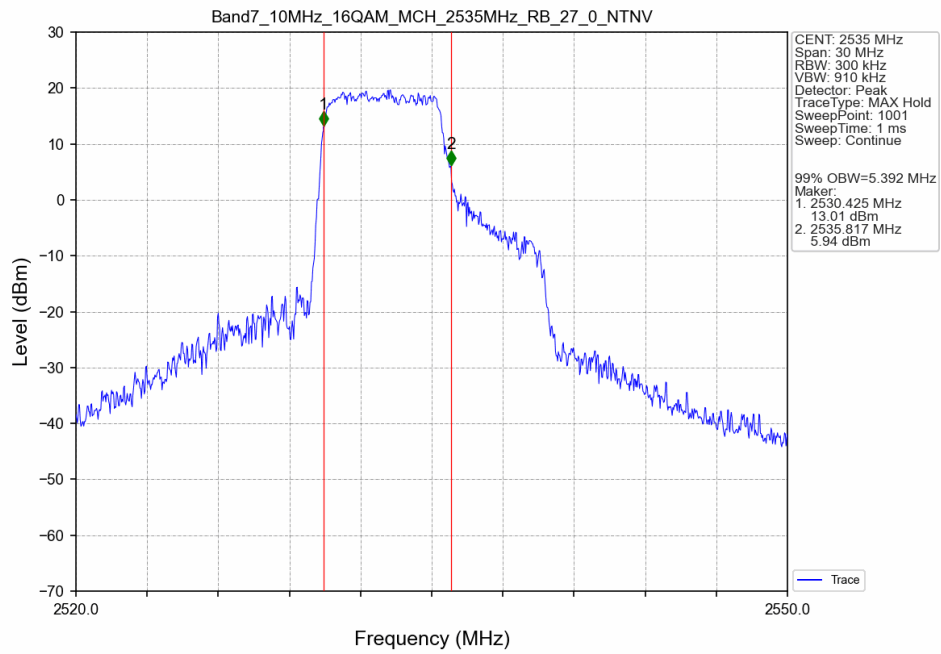
#### 3.2.1 Band7\_OBW



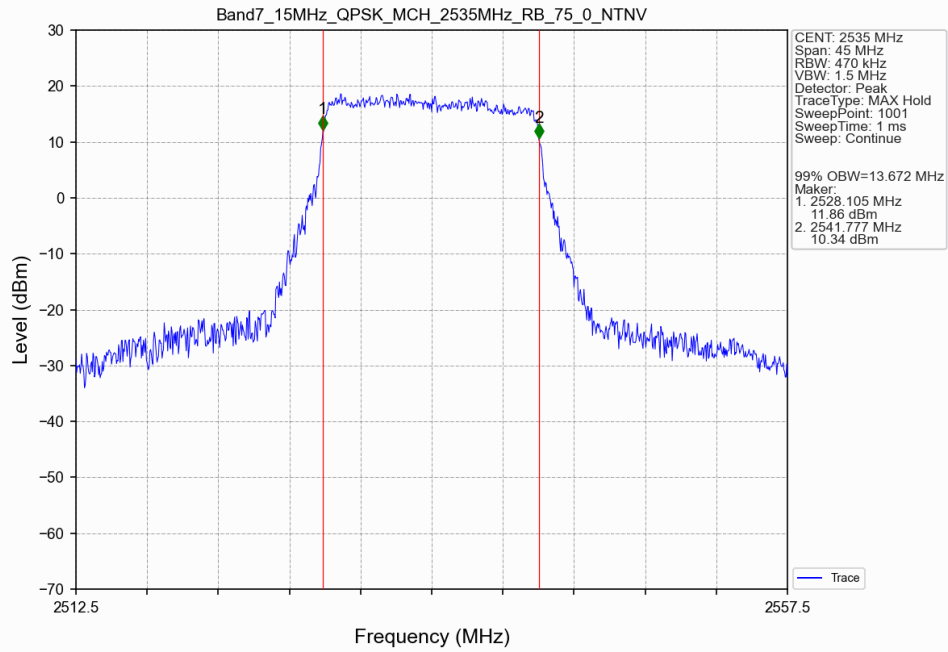
# Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



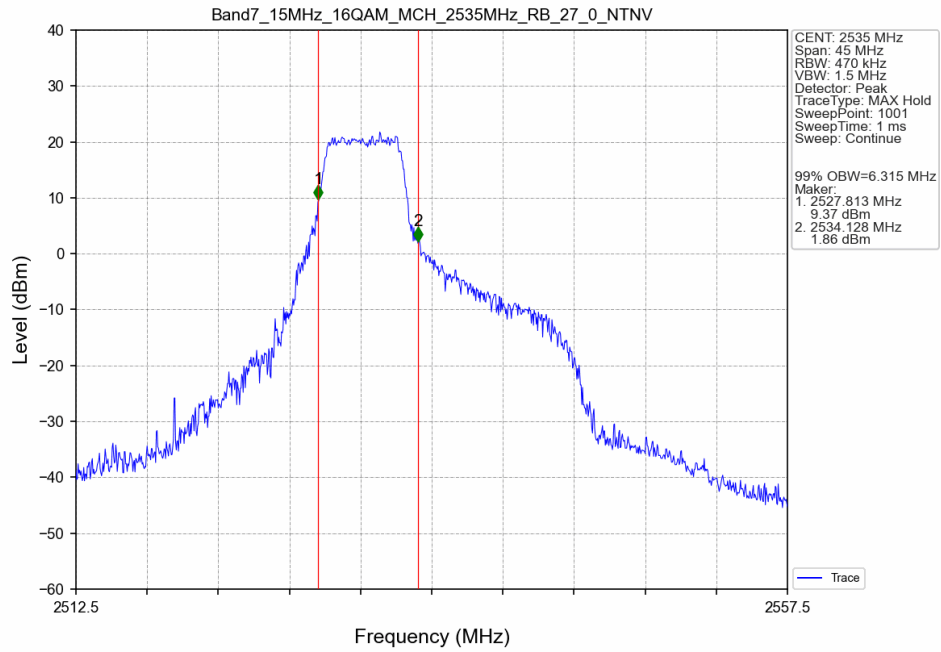
# Band7 10MHz 16QAM MCH 2535MHz RB 27 0 NTNV



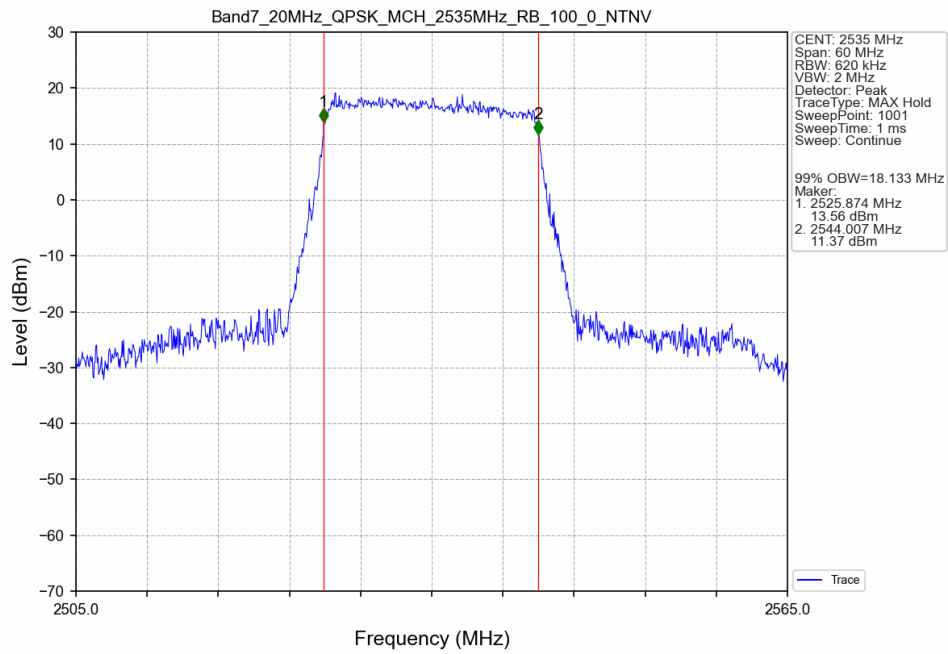
# Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTN



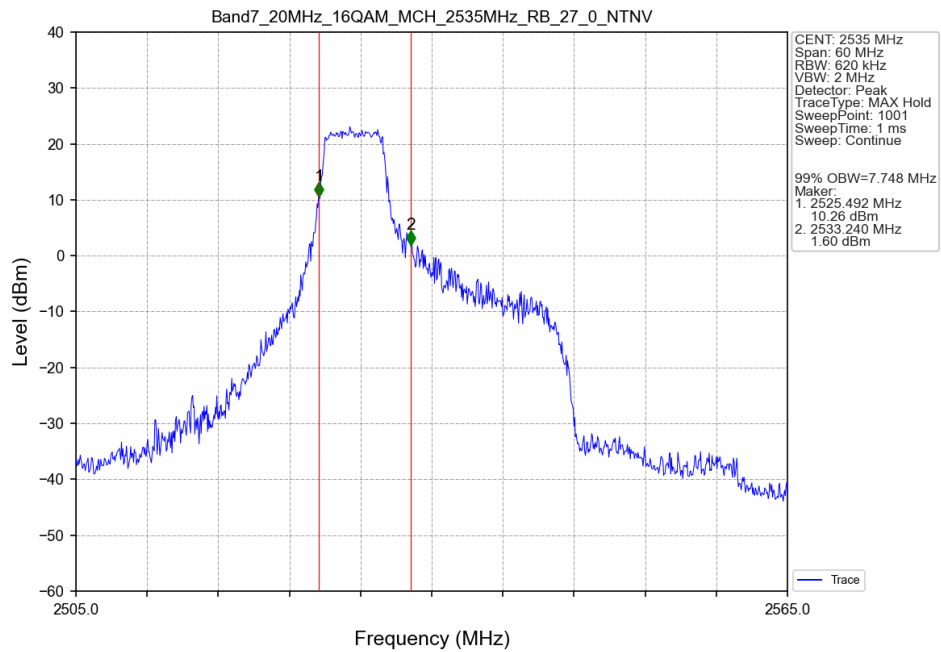
# Band7 15MHz 16QAM MCH 2535MHz RB 27 0 NTN



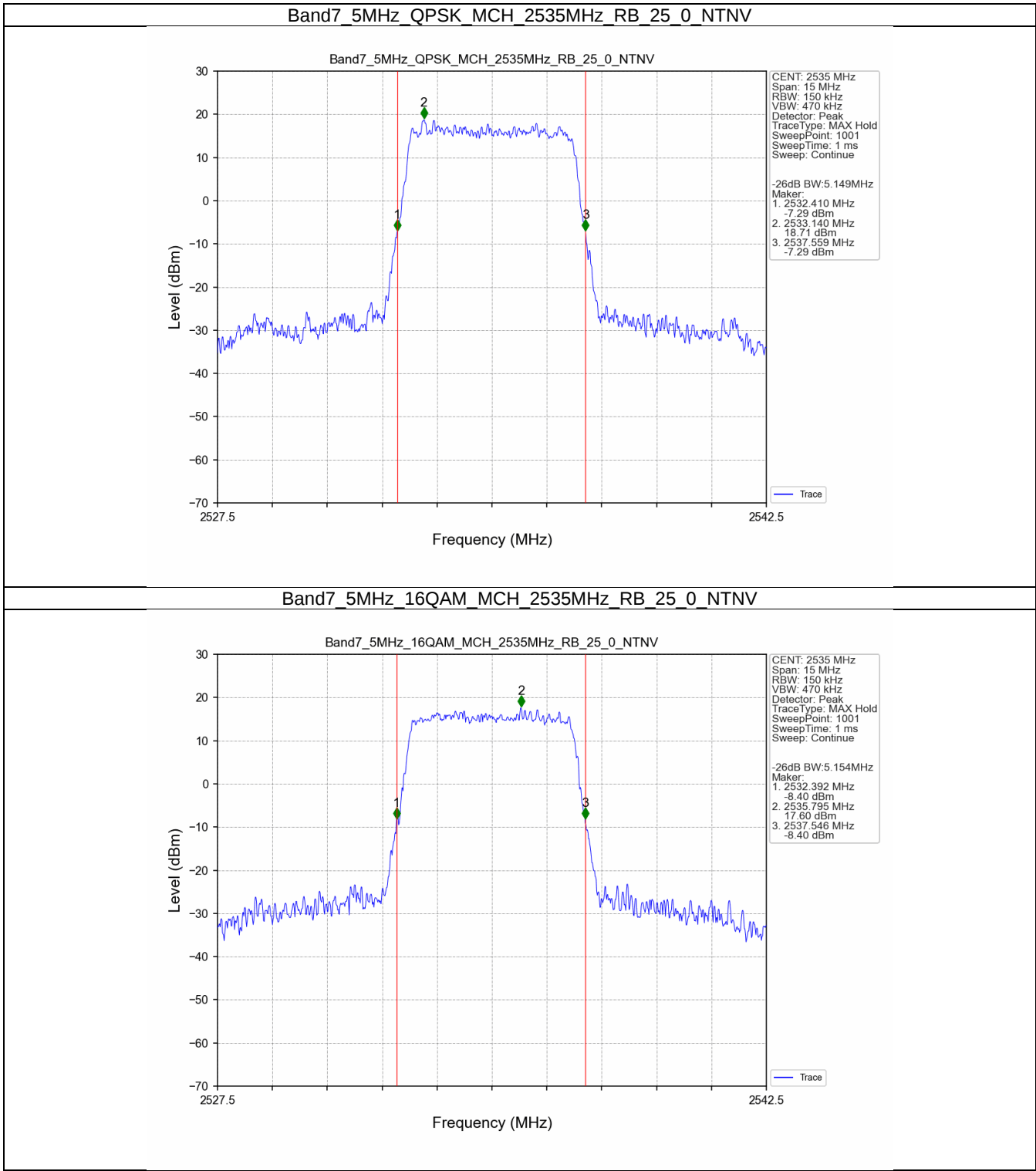
# Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



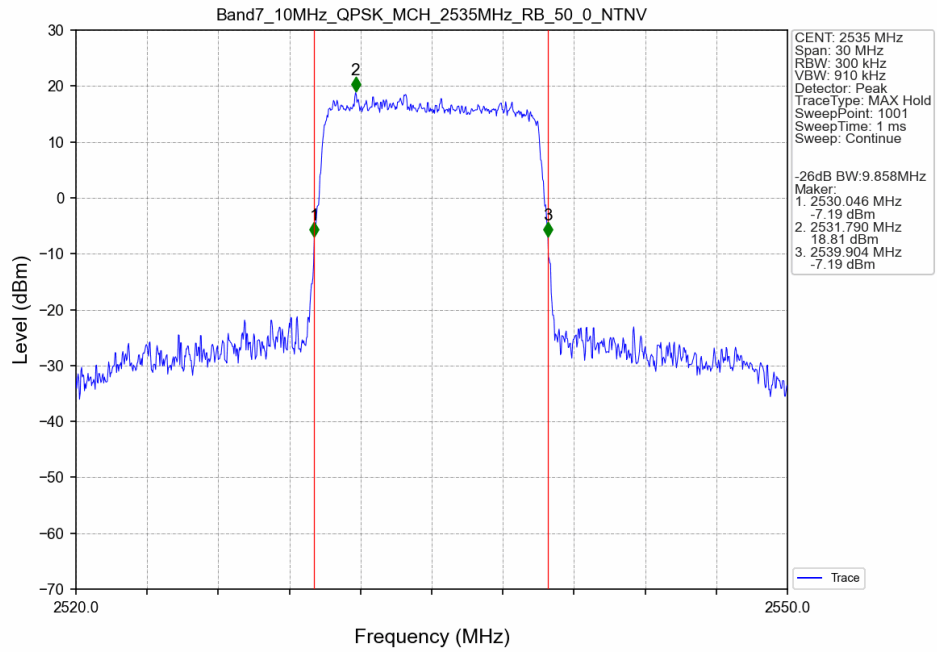
# Band7 20MHz 16QAM MCH 2535MHz RB 27 0 NTNV



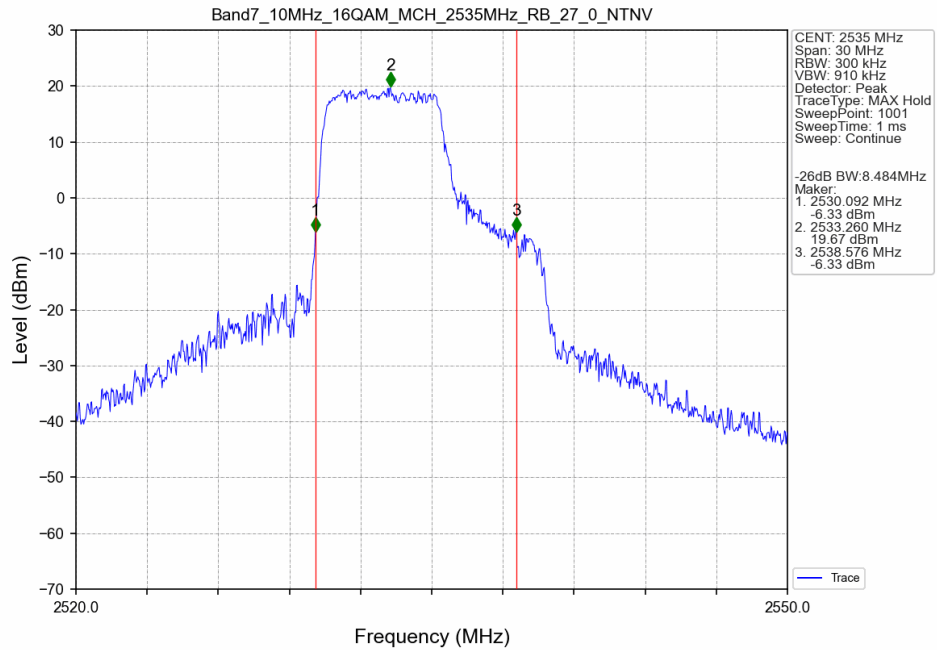
3.2.2 Band7\_XDB



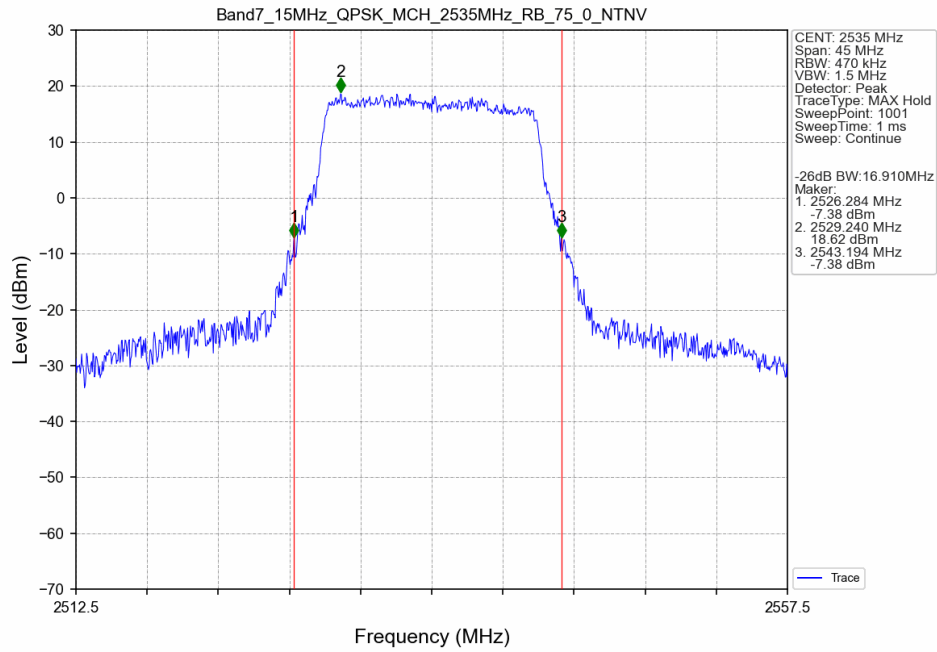
# Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



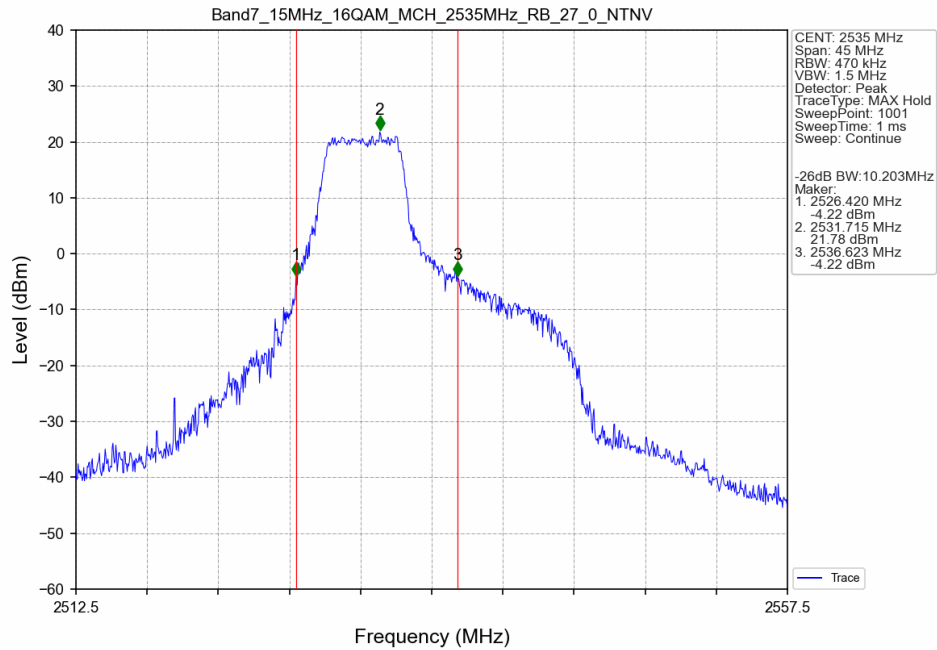
# Band7 10MHz 16QAM MCH 2535MHz RB 27 0 NTNV



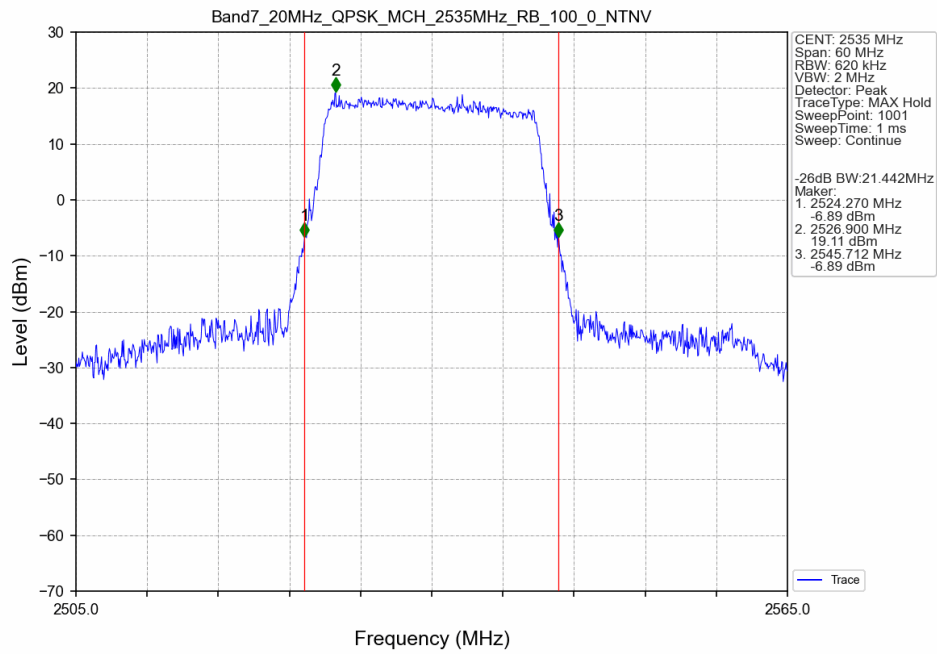
# Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



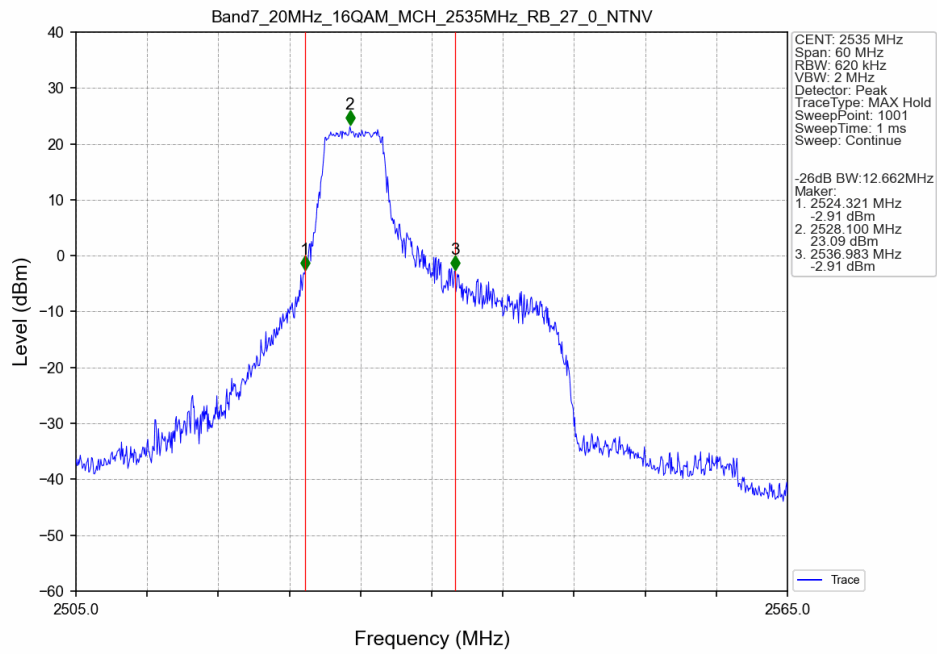
# Band7 15MHz 16QAM MCH 2535MHz RB 27 0 NTNV



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



# Band7 20MHz 16QAM MCH 2535MHz RB 27 0 NTNV



## 4. Peak-Average Ratio

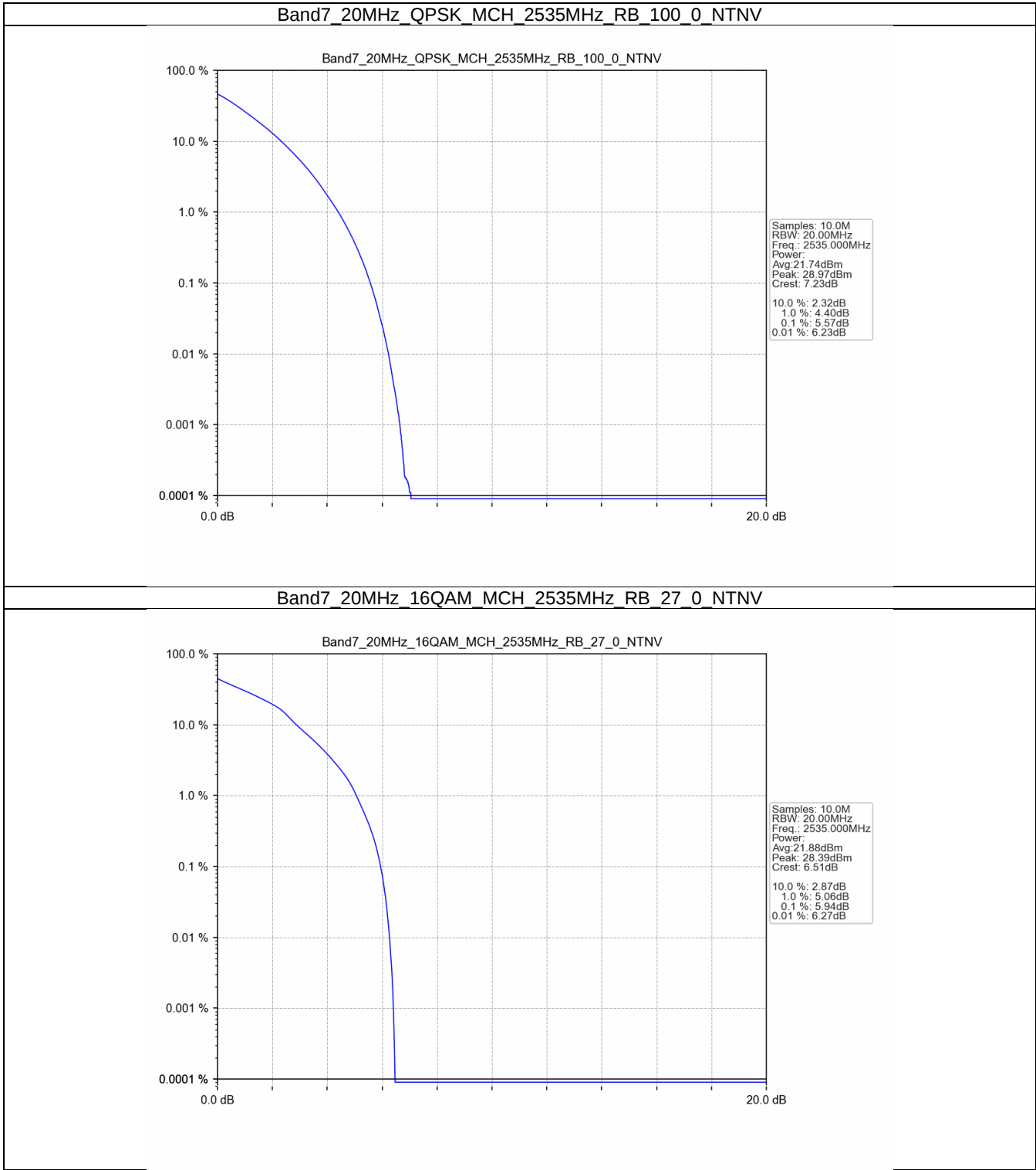
### 4.1 Test Result

#### 4.1.1 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|-----------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2535               | 100           | 0      | 5.57                    | <=13  | Pass    |
| 16QAM                             | 2535               | 27            | 0      | 5.94                    | <=13  | Pass    |

# 4.2 Test Graph

## 4.2.1 B7\_20MHz



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 2502.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 2567.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B7\_10MHz

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

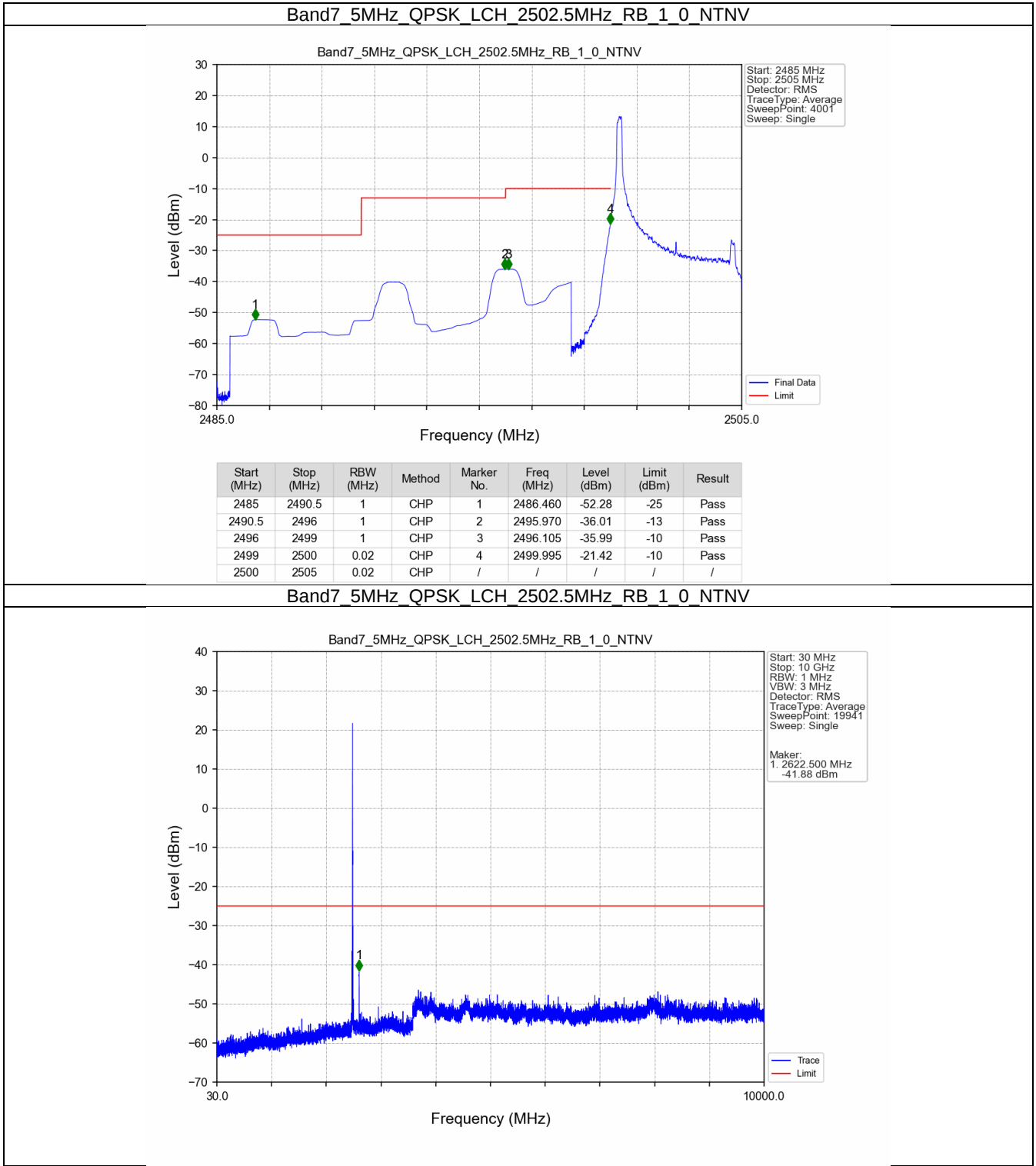
| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB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

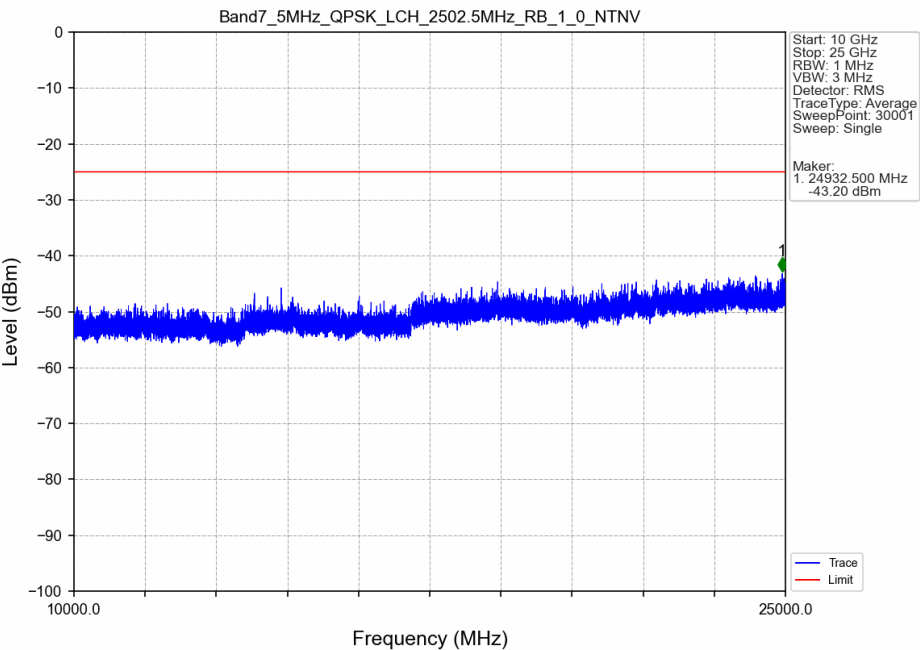
| Band: 7 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation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

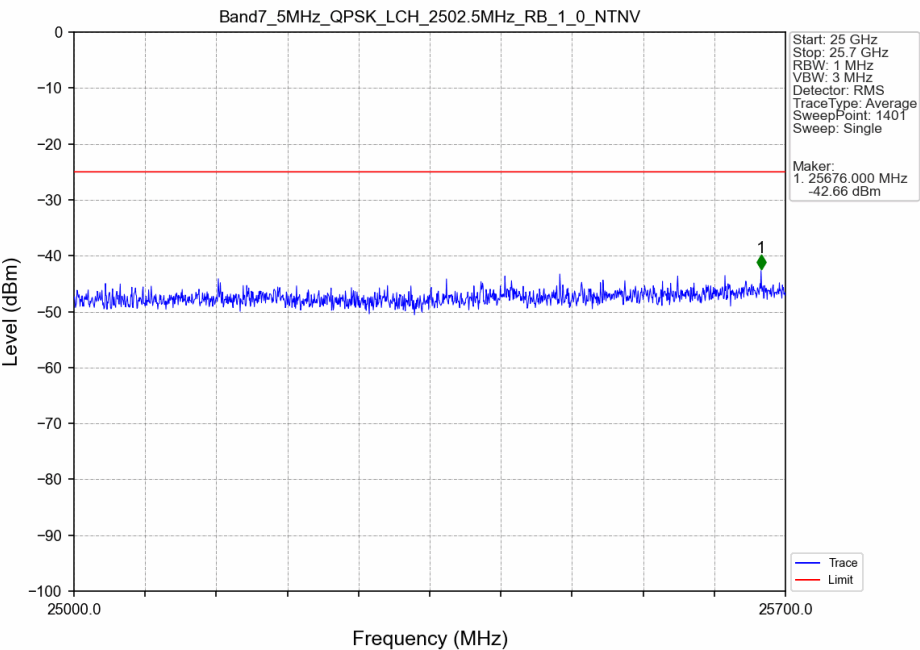
5.2.1 B7\_5MHz



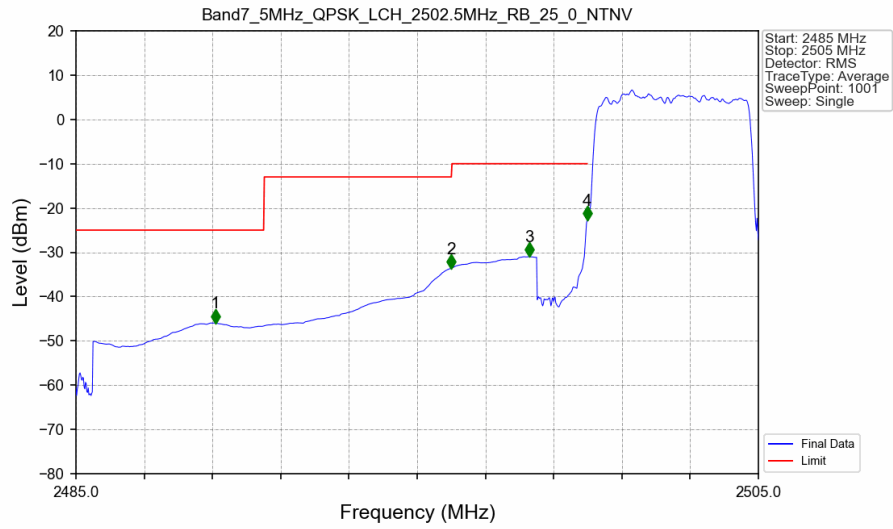
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN

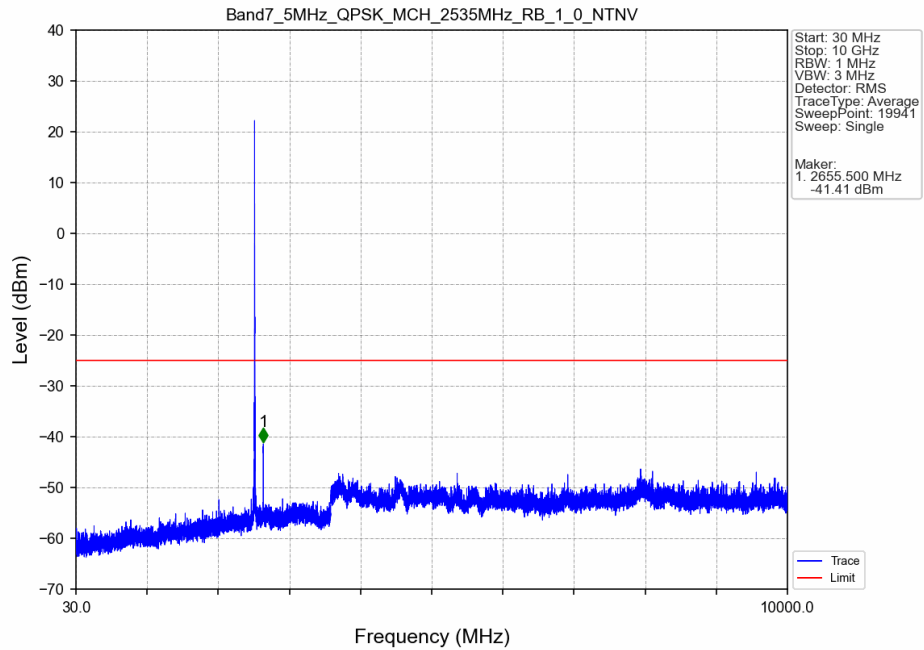


# Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV

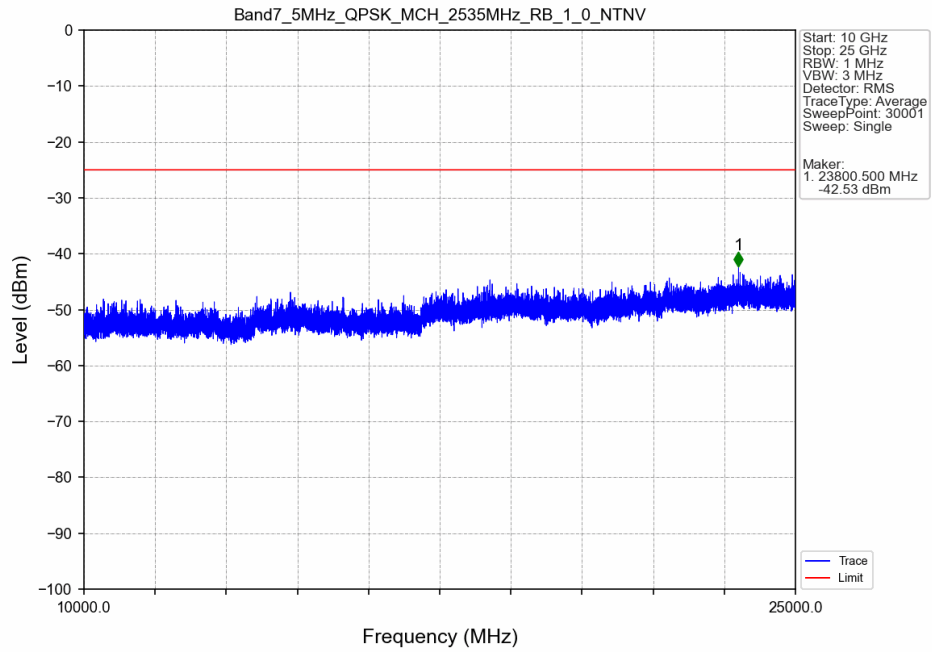


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.080   | -45.97      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2496.000   | -33.60      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.280   | -31.00      | -10         | Pass   |
| 2499        | 2500       | 0.103     | CHP    | 4          | 2499.980   | -22.71      | -10         | Pass   |
| 2500        | 2505       | 0.103     | CHP    | /          | /          | /           | /           | /      |

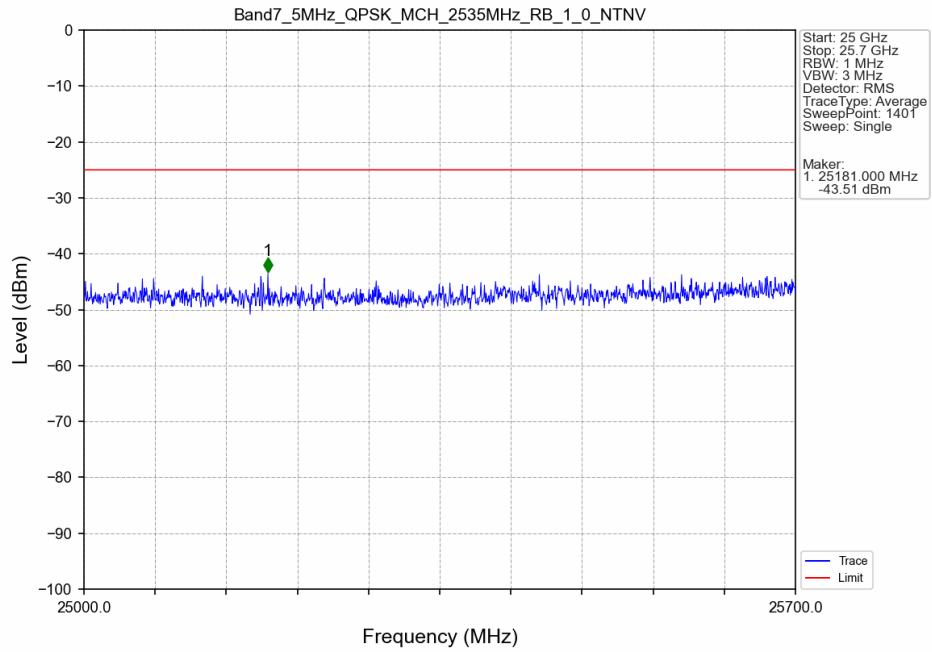
# Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTNV



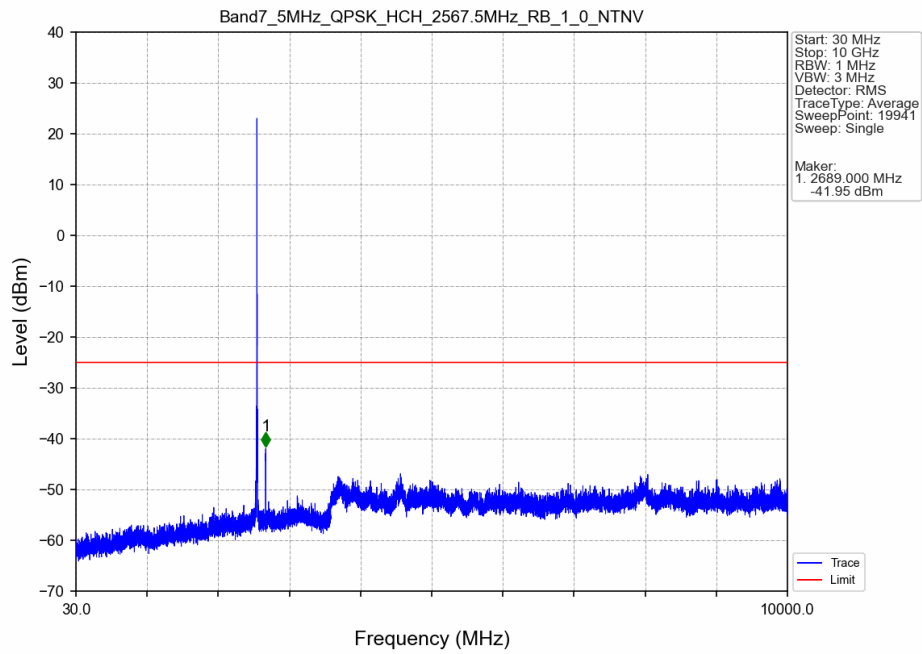
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTNV



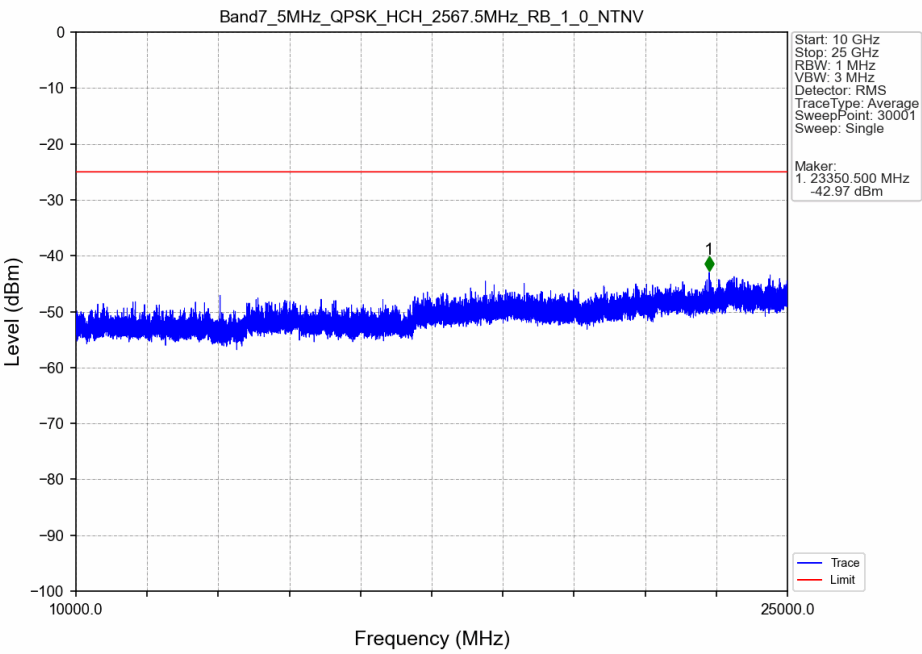
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTNV



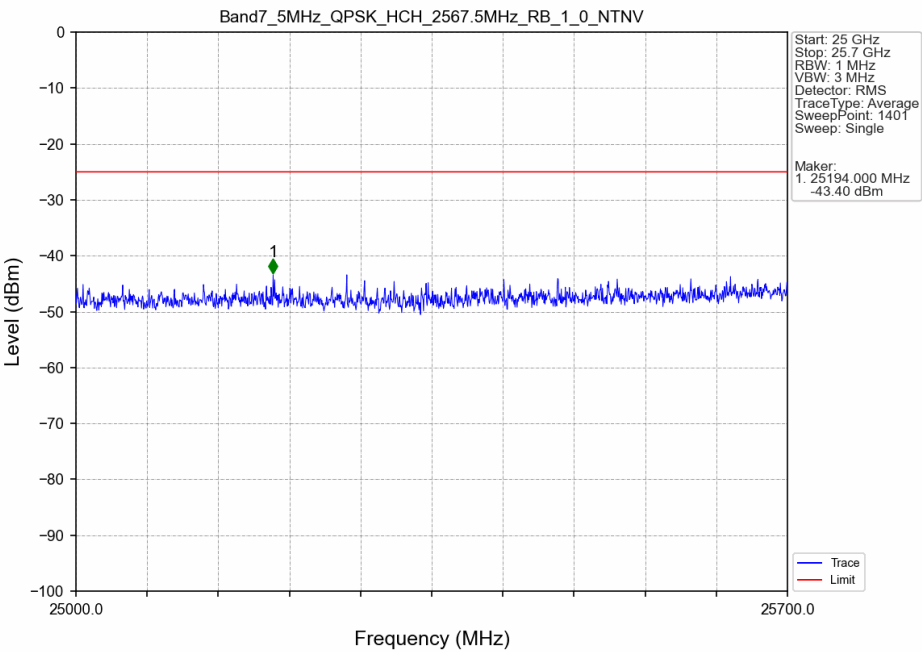
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



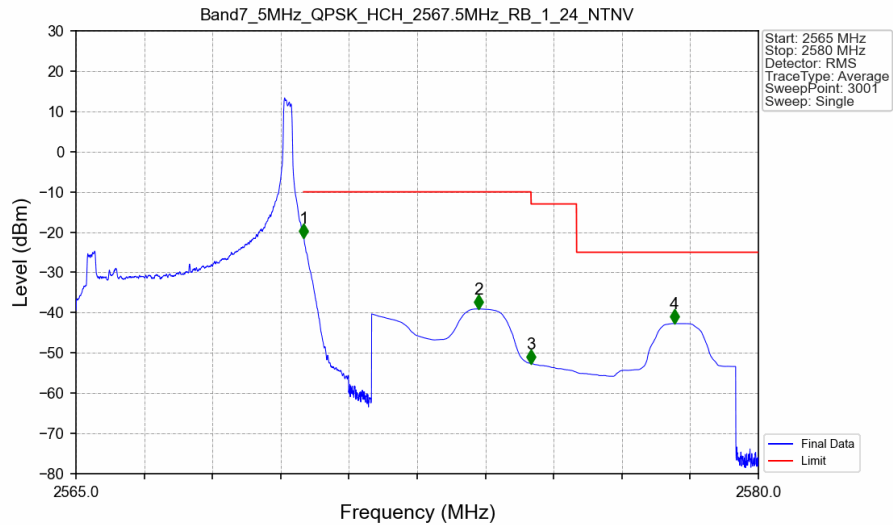
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN

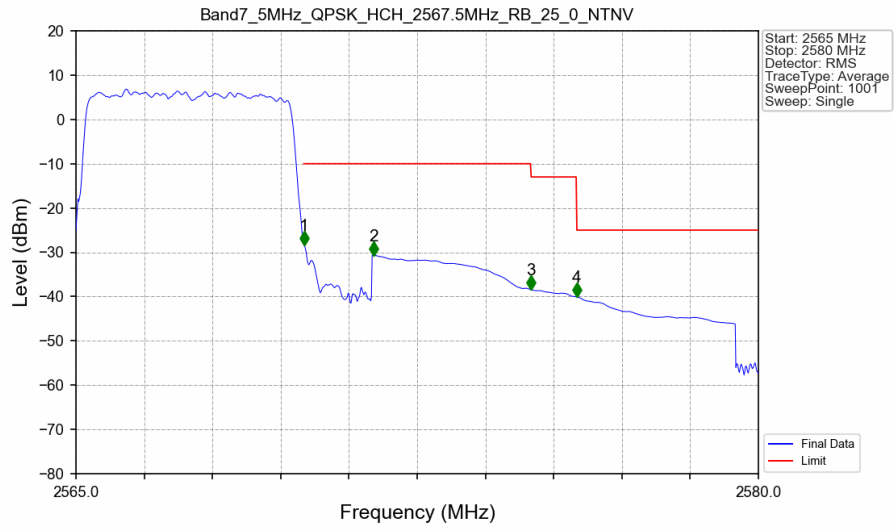


Band7 5MHz QPSK HCH 2567.5MHz RB 1 24 NTN



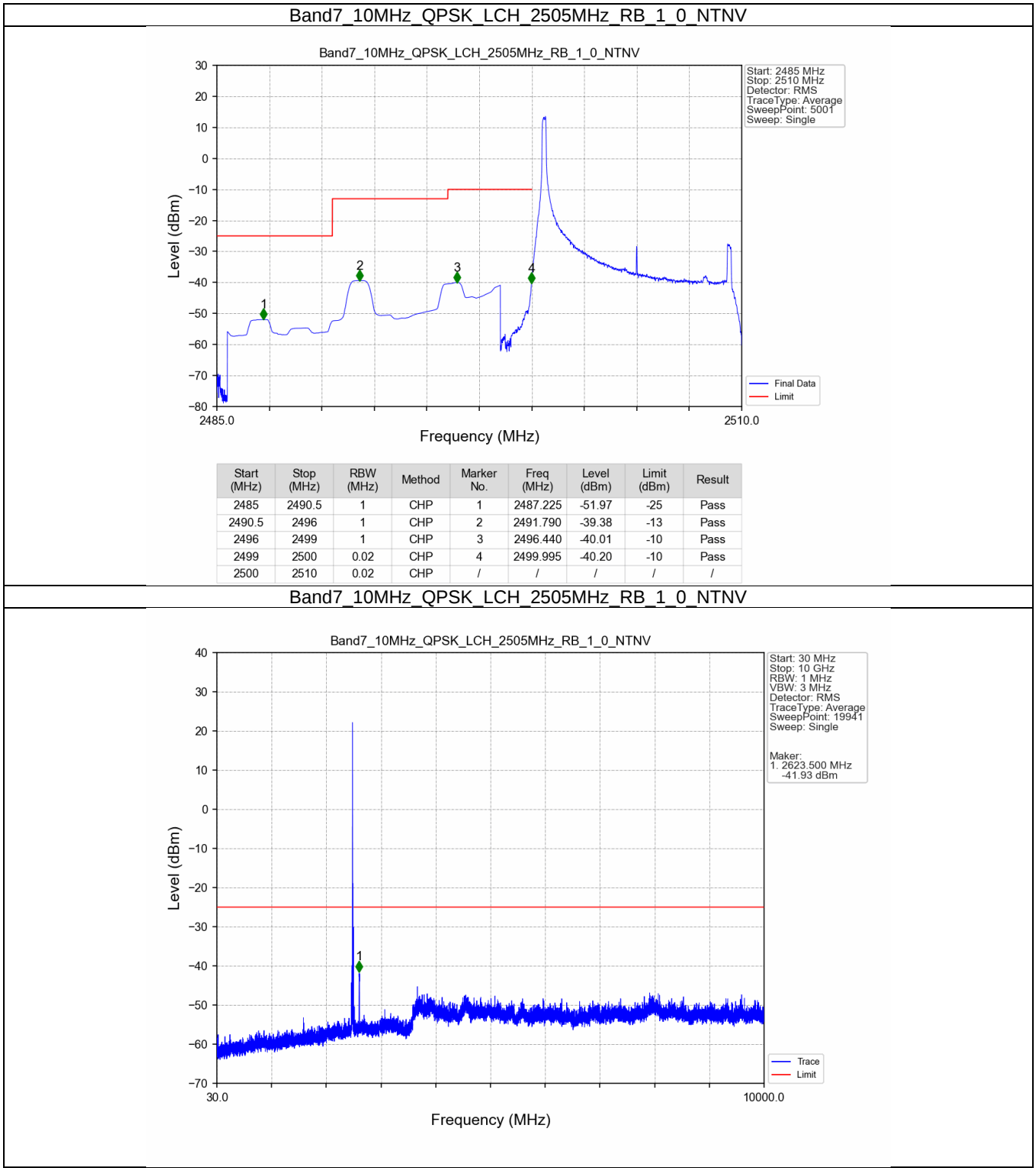
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2565        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -21.41      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2573.845   | -39.07      | -10         | Pass   |
| 2575        | 2576       | 1         | CHP    | 3          | 2575.005   | -52.64      | -13         | Pass   |
| 2576        | 2580       | 1         | CHP    | 4          | 2578.150   | -42.70      | -25         | Pass   |

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

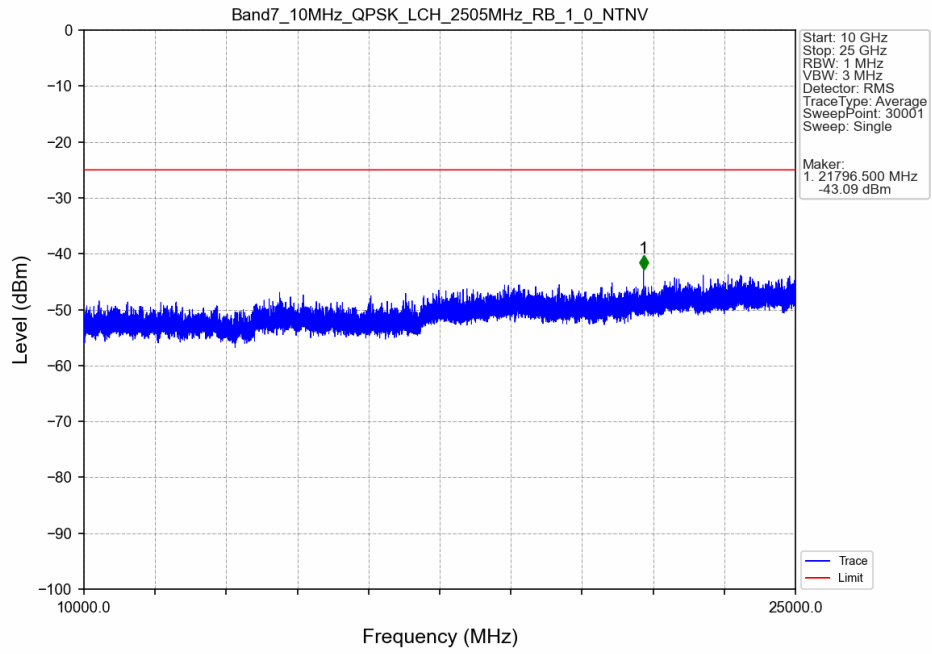


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2565        | 2570       | 0.103     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.103     | CHP    | 1          | 2570.010   | -28.32      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.540   | -30.68      | -10         | Pass   |
| 2575        | 2576       | 1         | CHP    | 3          | 2575.005   | -38.50      | -13         | Pass   |
| 2576        | 2580       | 1         | CHP    | 4          | 2576.010   | -40.09      | -25         | Pass   |

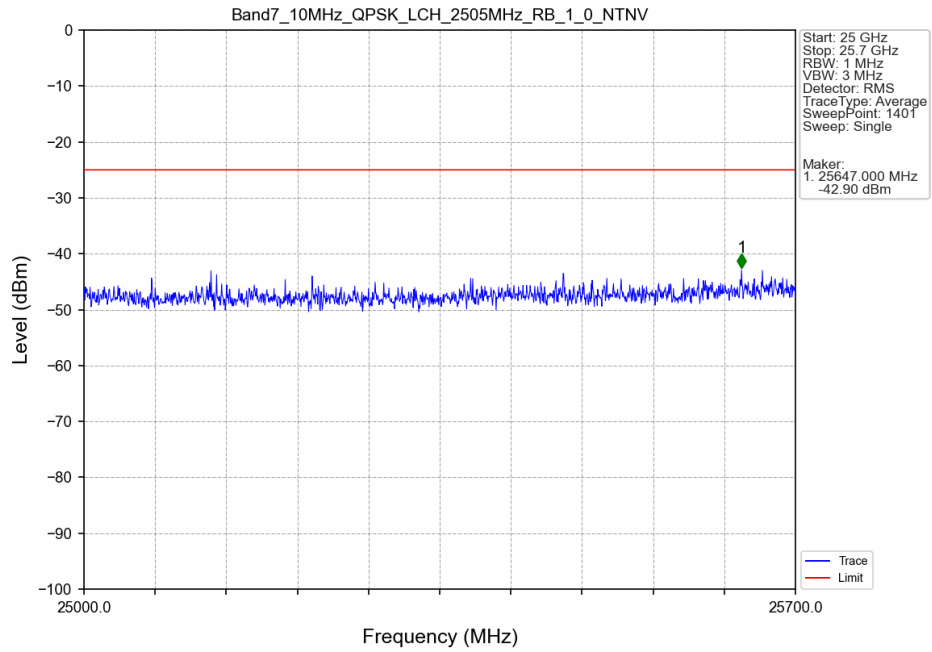
5.2.2 B7\_10MHz



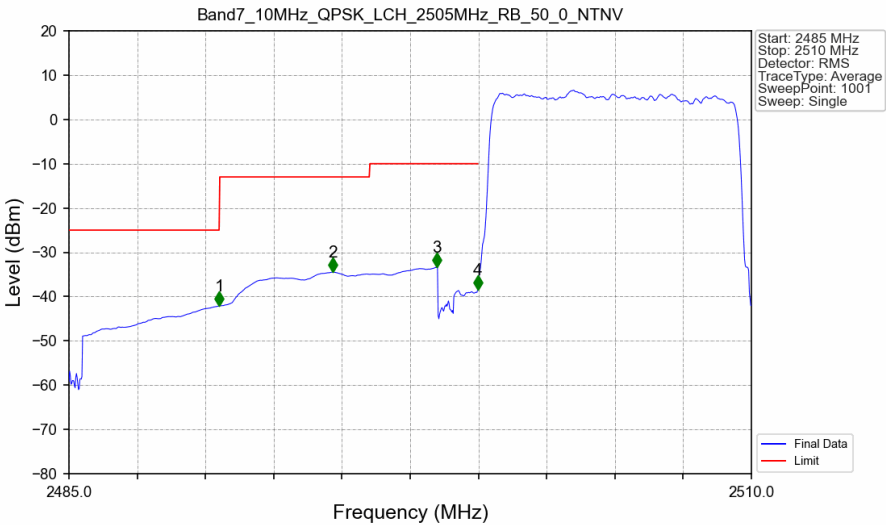
Band7 10MHz QPSK LCH 2505MHz RB 1 0 NTNV



Band7 10MHz QPSK LCH 2505MHz RB 1 0 NTNV

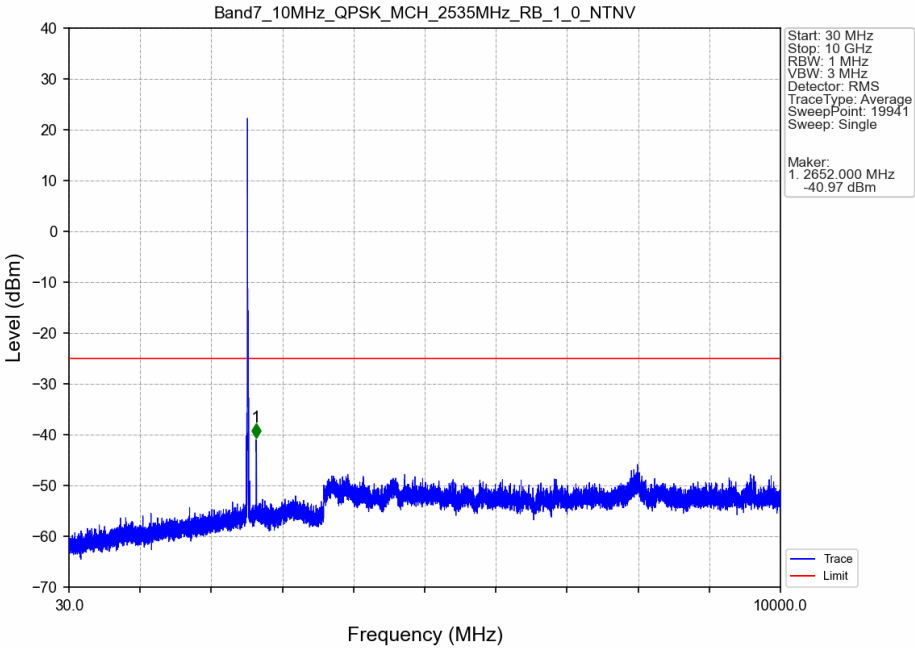


Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV

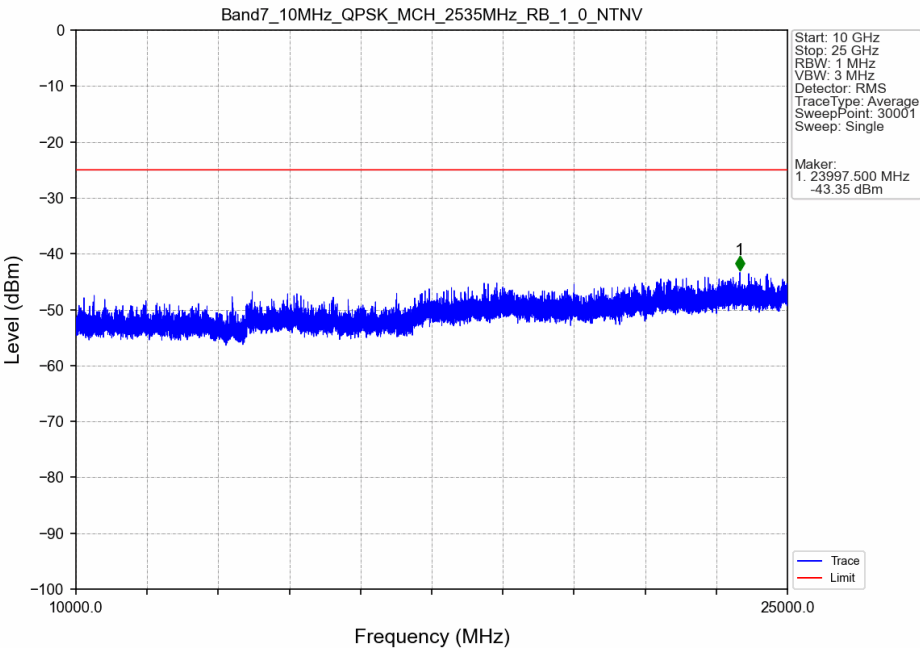


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.500   | -42.14      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.675   | -34.48      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.475   | -33.40      | -10         | Pass   |
| 2499        | 2500       | 0.197     | CHP    | 4          | 2499.975   | -38.38      | -10         | Pass   |
| 2500        | 2510       | 0.197     | CHP    | /          | /          | /           | /           | /      |

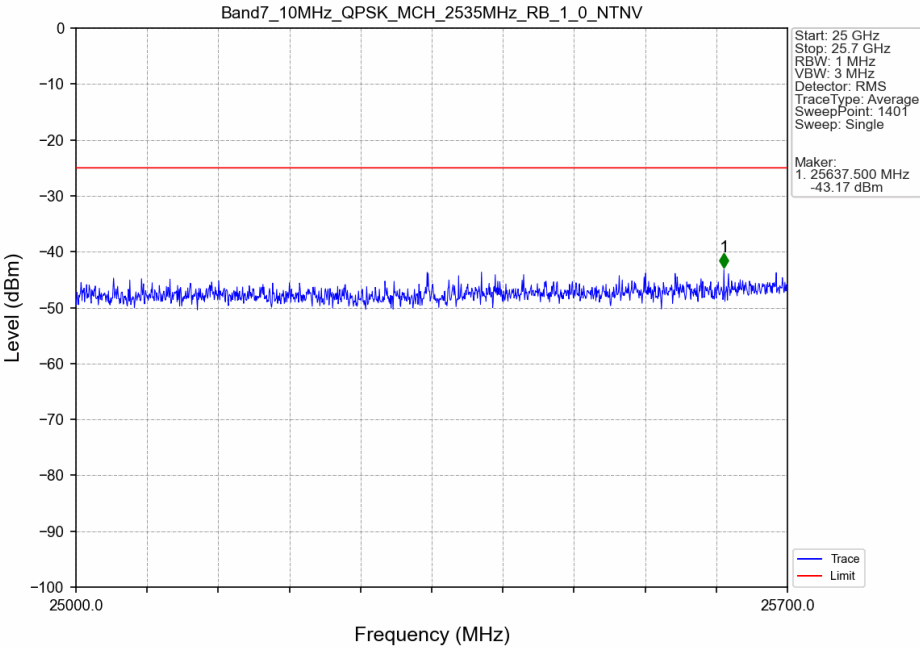
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



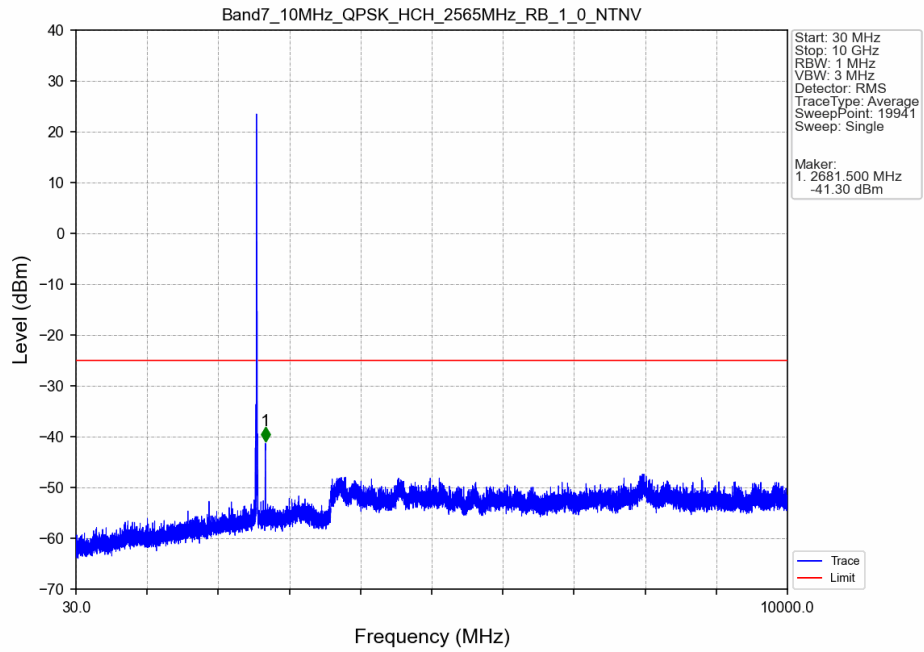
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



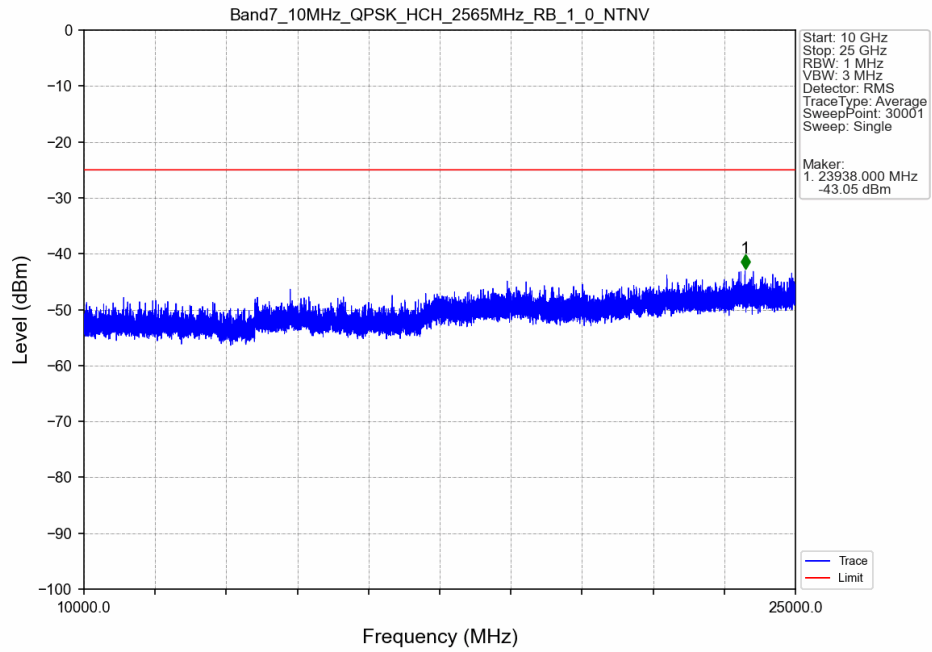
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



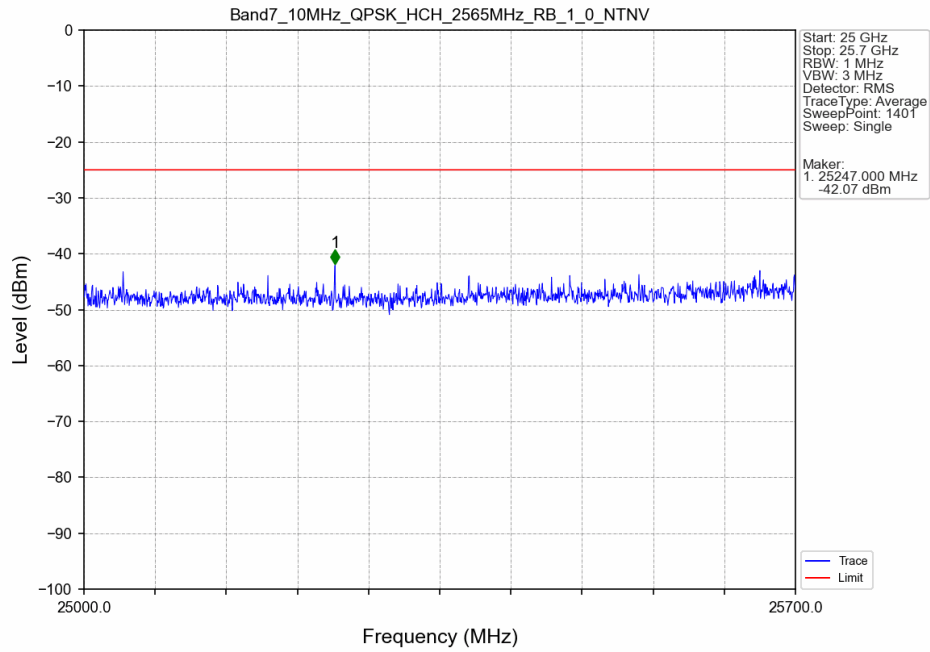
Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN



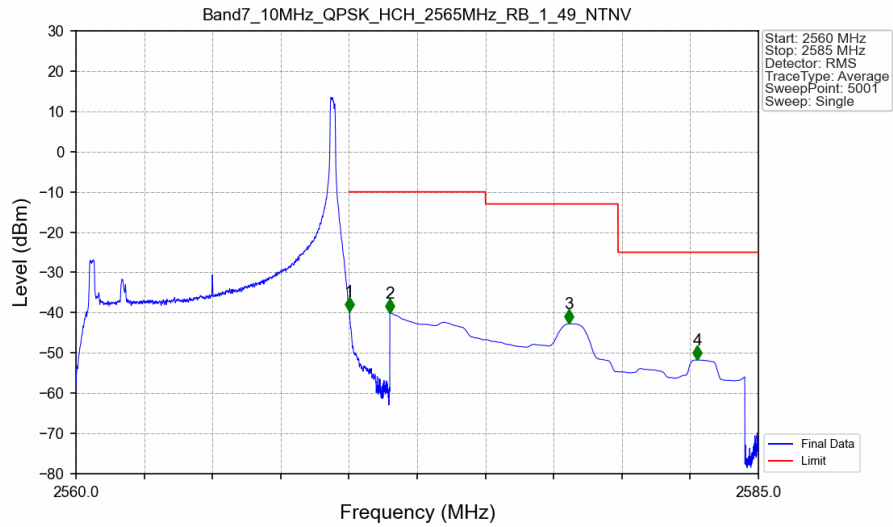
Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN



# Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTNV

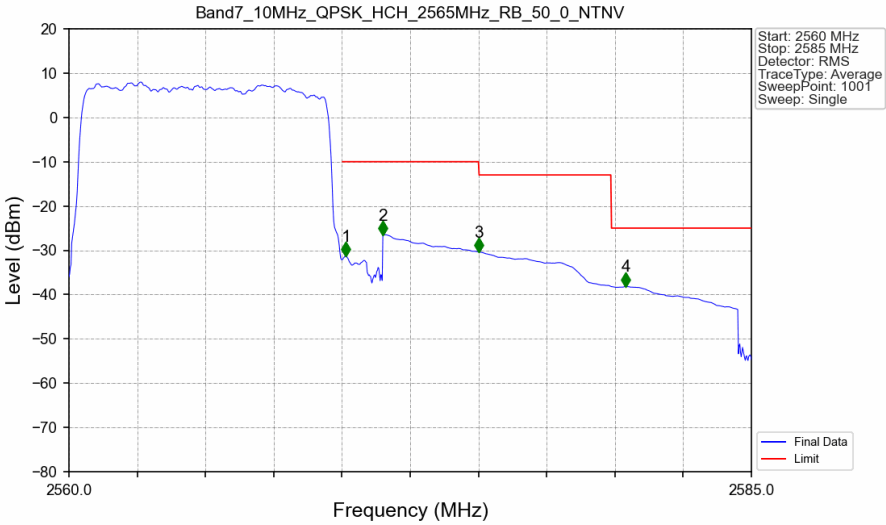


# Band7 10MHz QPSK HCH 2565MHz RB 1 49 NTNV



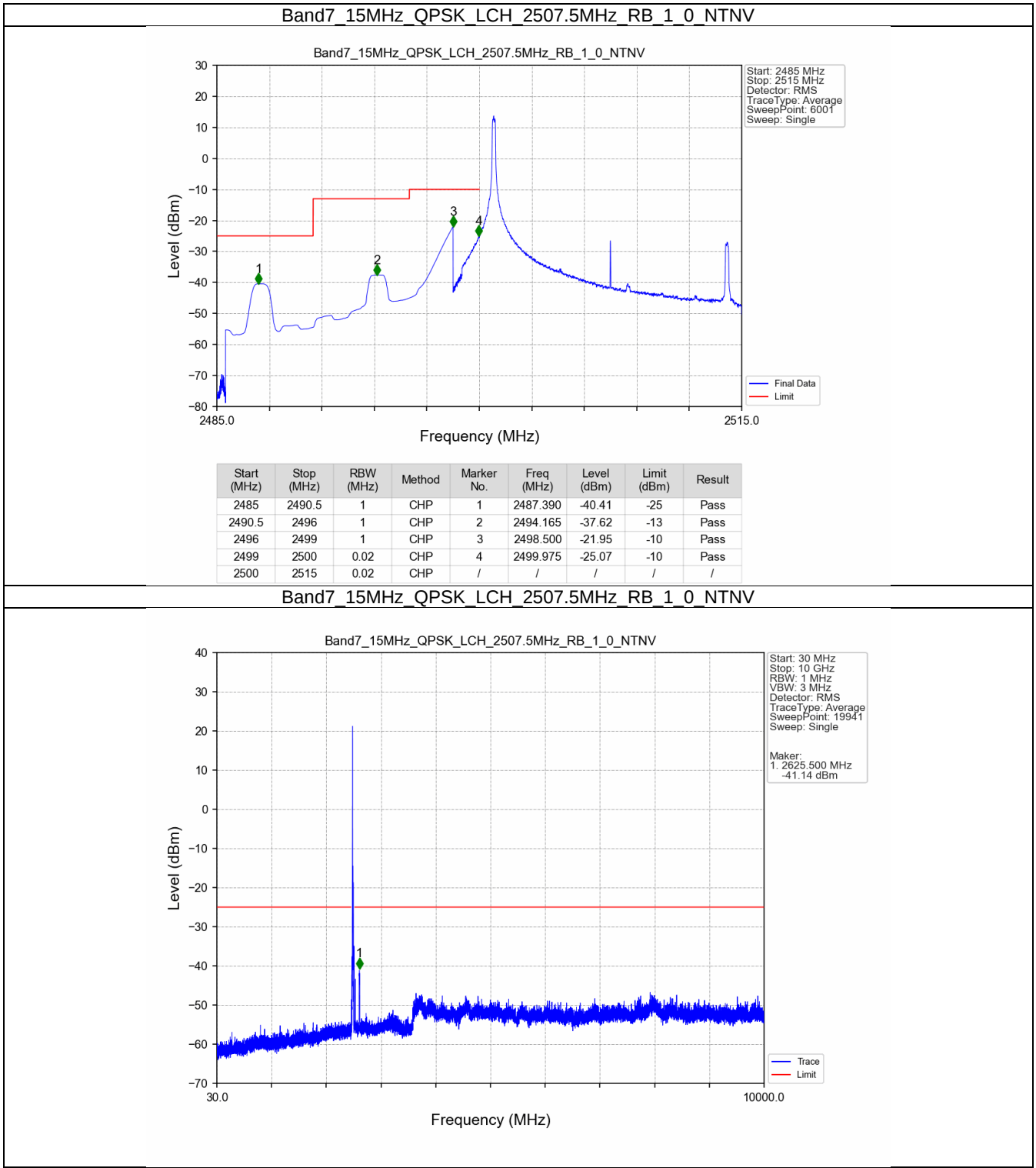
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2560        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -39.75      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -40.00      | -10         | Pass   |
| 2575        | 2579.858   | 1         | CHP    | 3          | 2578.060   | -42.76      | -13         | Pass   |
| 2579.858    | 2585       | 1         | CHP    | 4          | 2582.765   | -51.76      | -25         | Pass   |

Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN

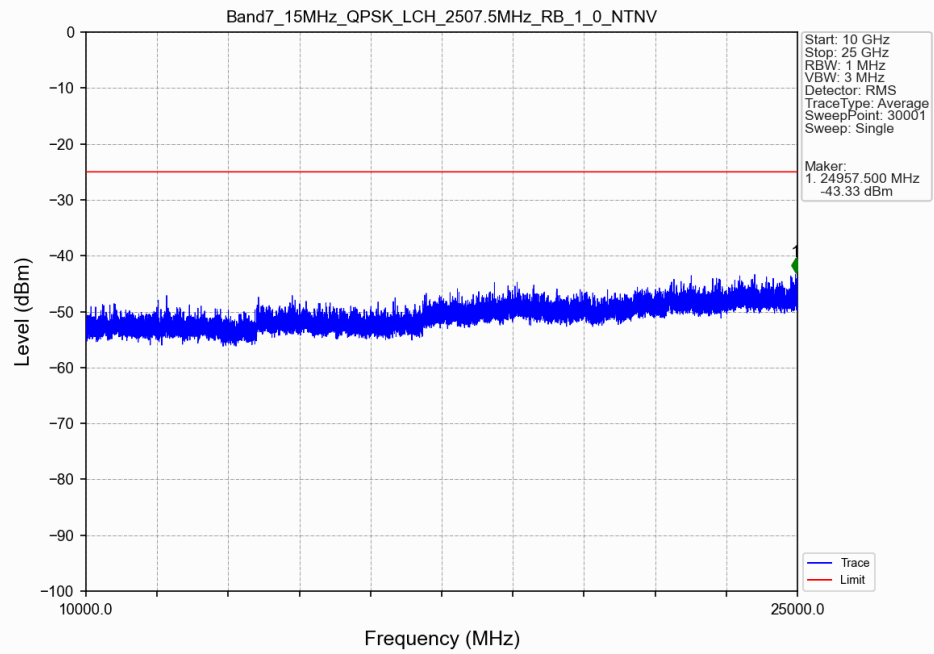


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2560        | 2570       | 0.197     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.197     | CHP    | 1          | 2570.150   | -31.27      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -26.50      | -10         | Pass   |
| 2575        | 2579.858   | 1         | CHP    | 3          | 2575.025   | -30.36      | -13         | Pass   |
| 2579.858    | 2585       | 1         | CHP    | 4          | 2580.400   | -38.14      | -25         | Pass   |

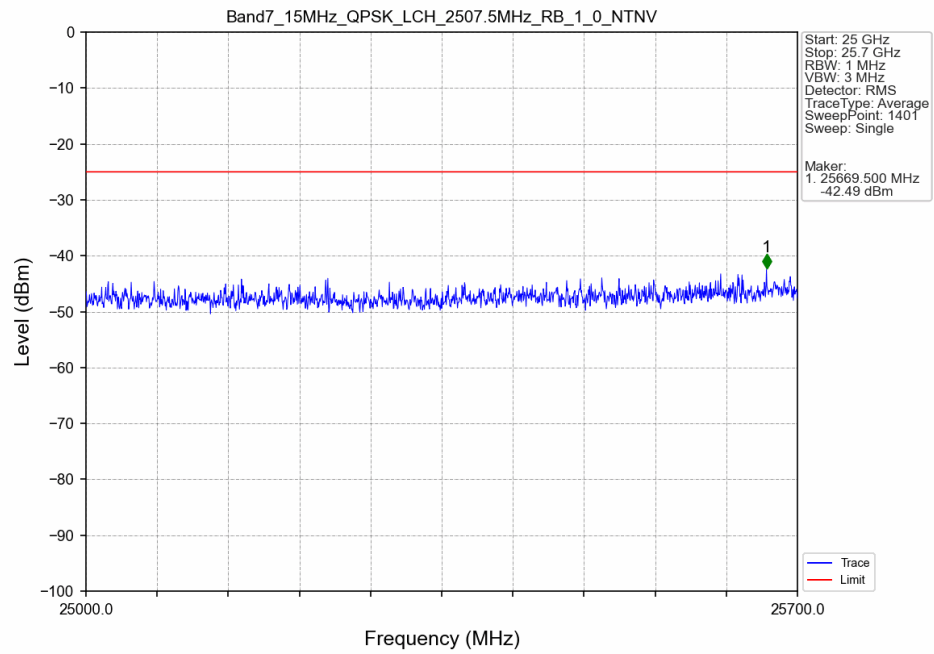
5.2.3 B7\_15MHz



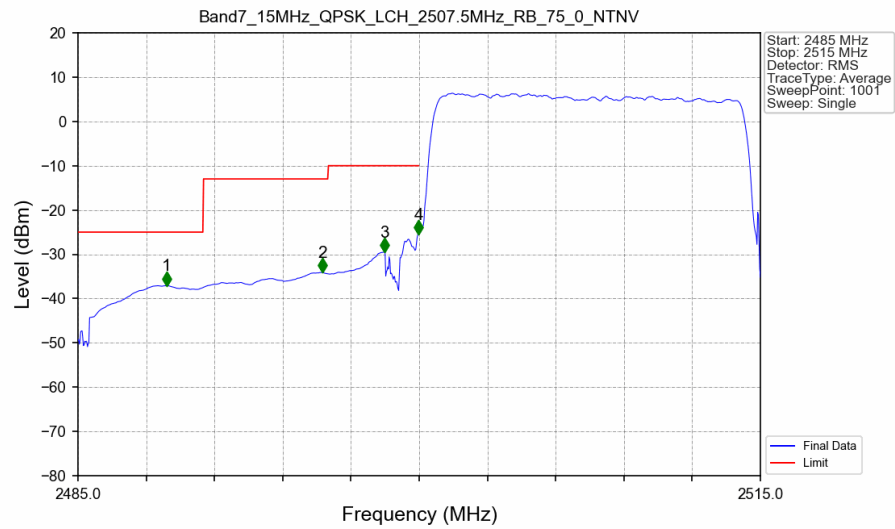
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTNV



Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTNV

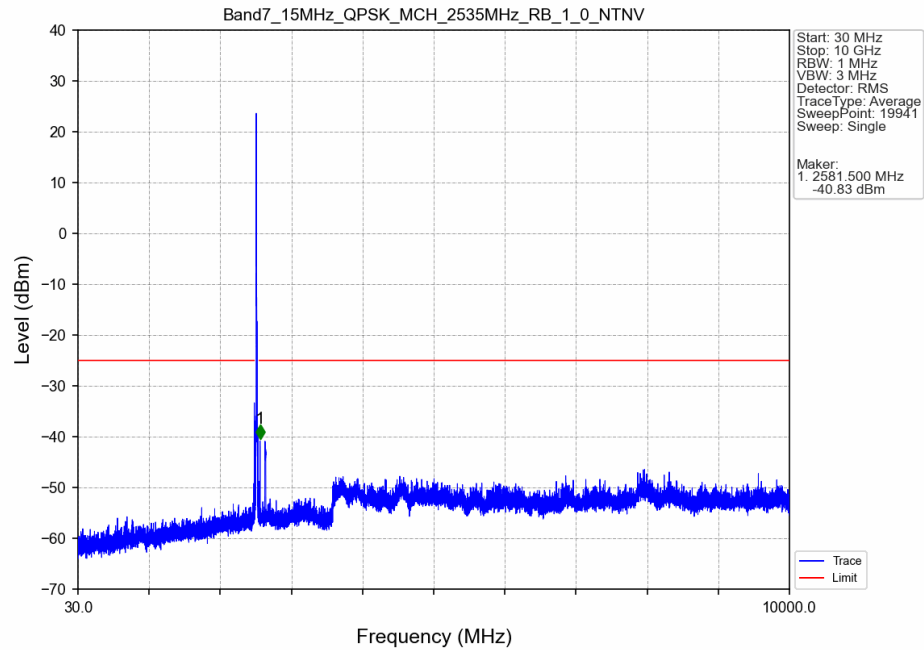


Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV

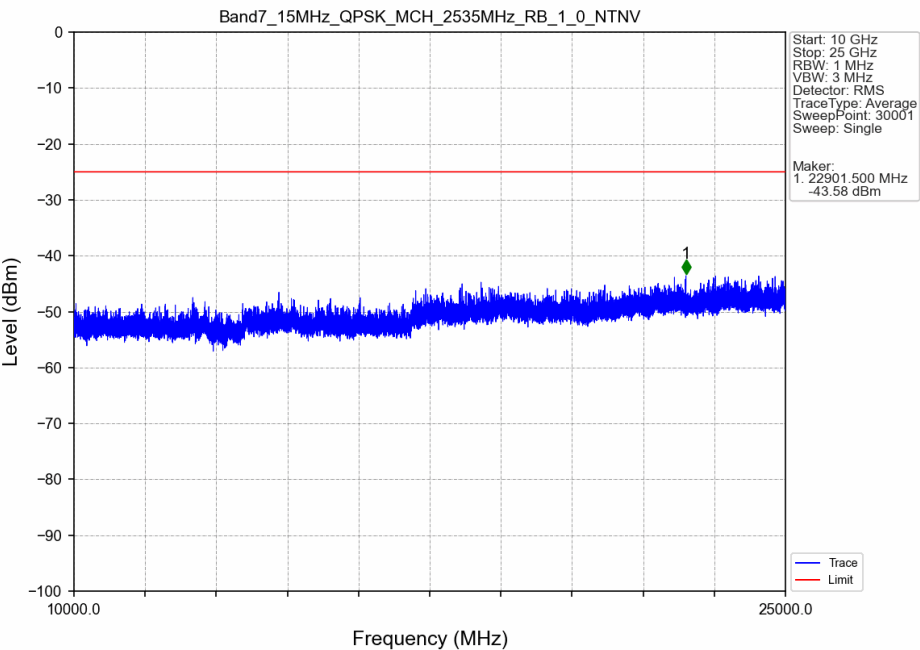


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2488.900   | -37.05      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.740   | -34.12      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.470   | -29.52      | -10         | Pass   |
| 2499        | 2500       | 0.338     | CHP    | 4          | 2499.970   | -25.41      | -10         | Pass   |
| 2500        | 2515       | 0.338     | CHP    | /          | /          | /           | /           | /      |

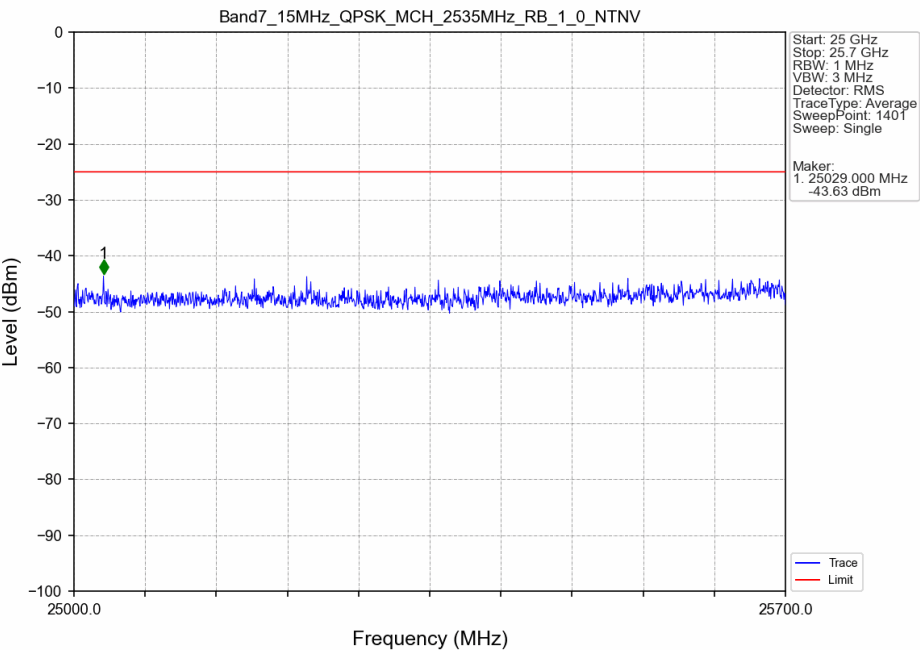
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTNV



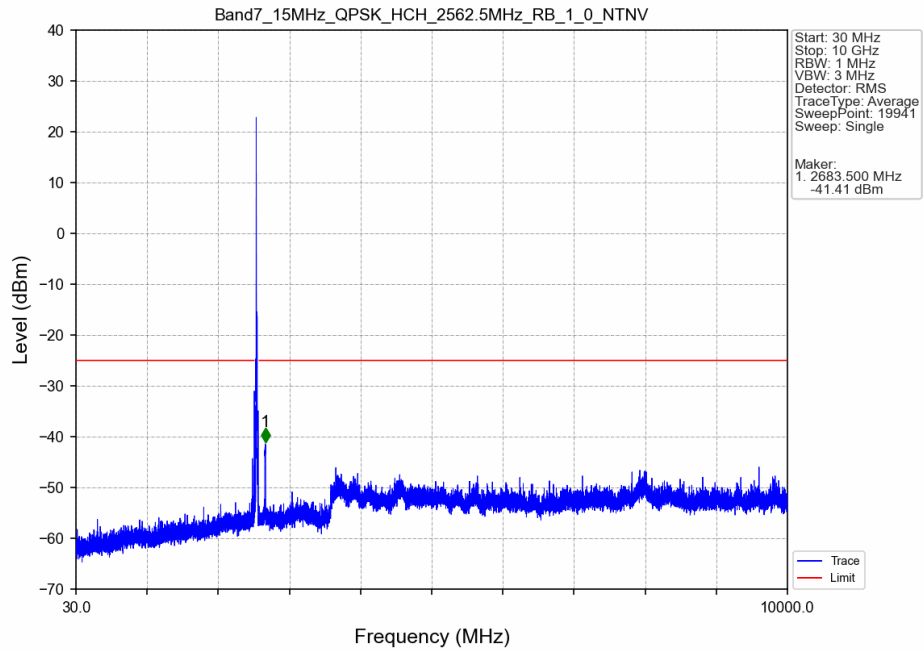
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTNV



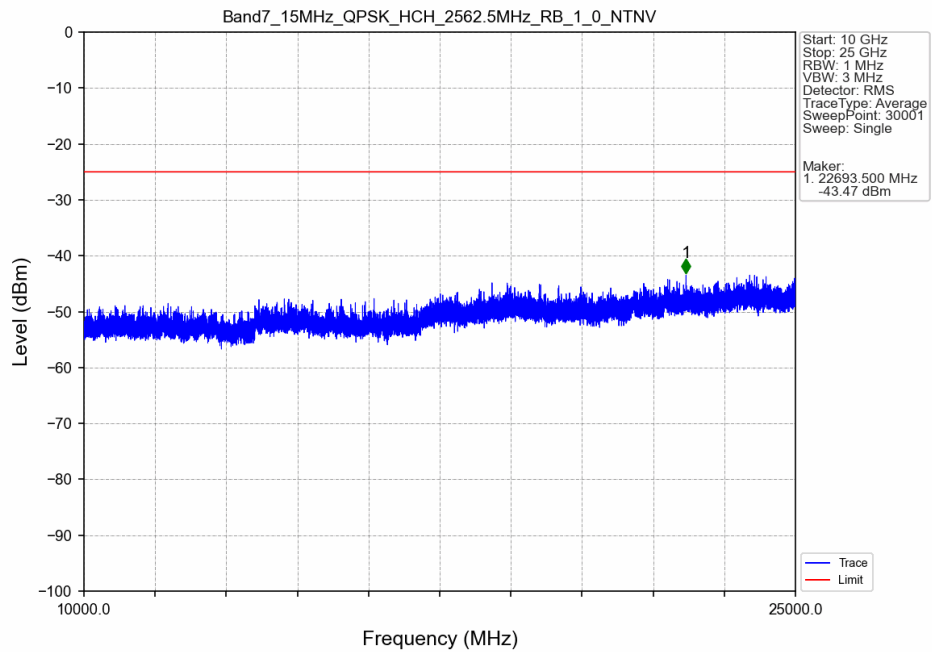
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTNV



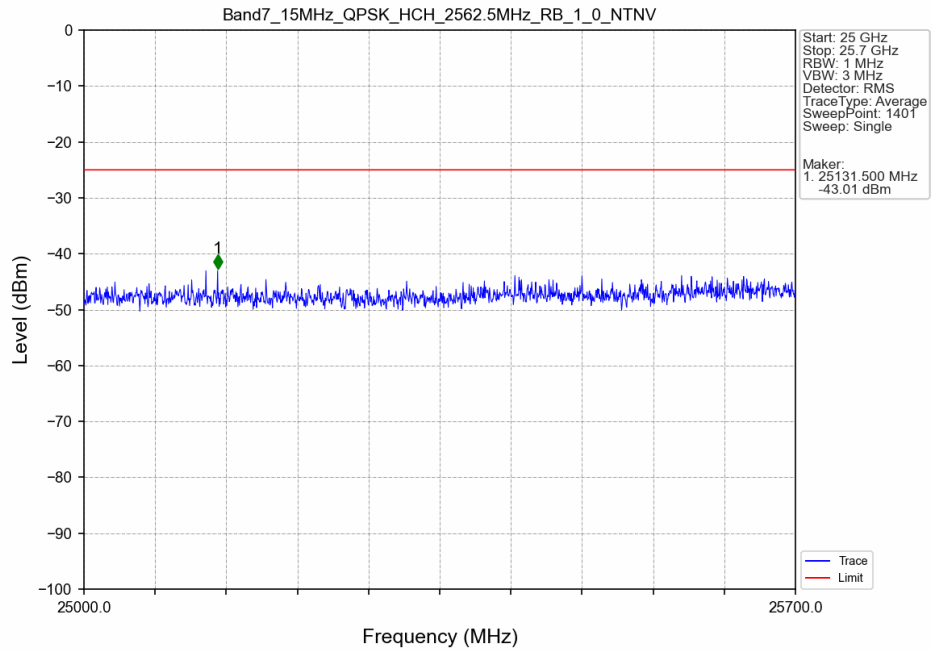
Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTNV



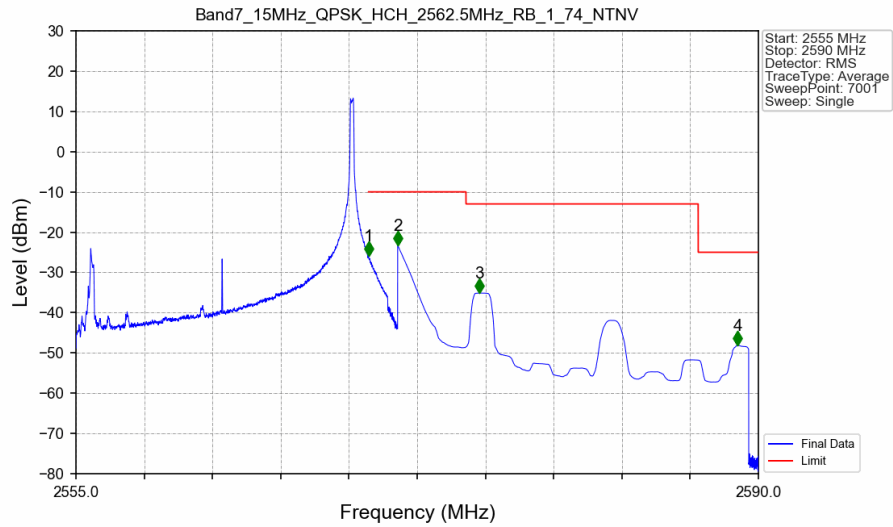
Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTNV



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

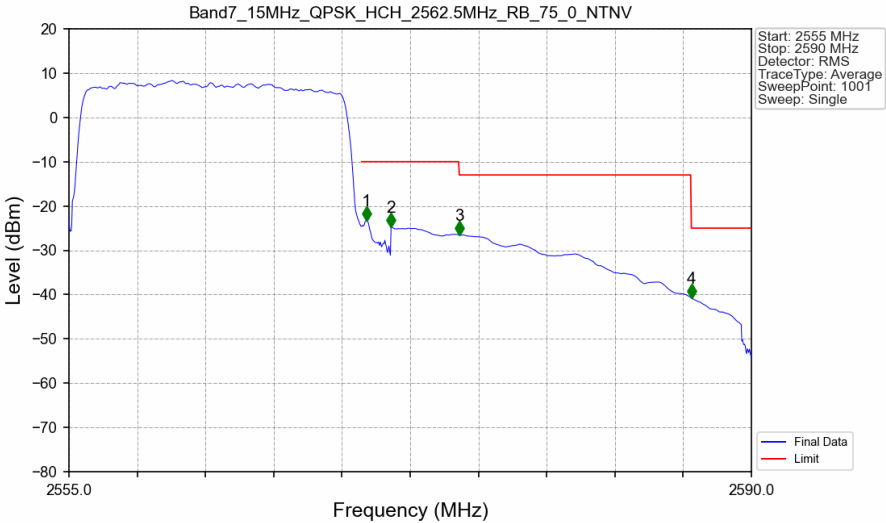


# Band7 15MHz QPSK HCH 2562.5MHz RB 1 74 NTV



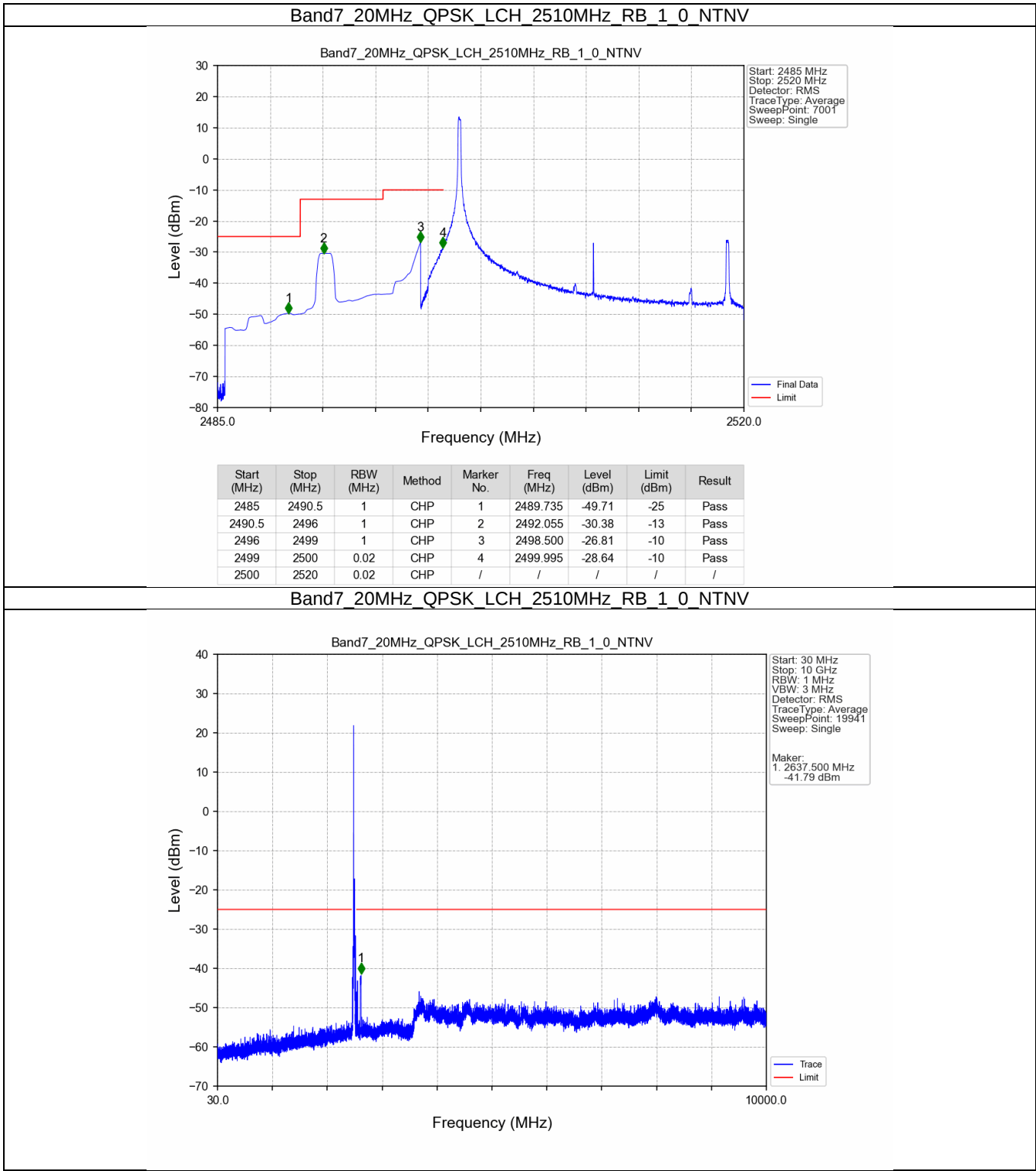
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.005   | -25.91      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -23.25      | -10         | Pass   |
| 2575        | 2586.91    | 1         | CHP    | 3          | 2575.670   | -35.14      | -13         | Pass   |
| 2586.91     | 2590       | 1         | CHP    | 4          | 2588.945   | -48.14      | -25         | Pass   |

Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTV

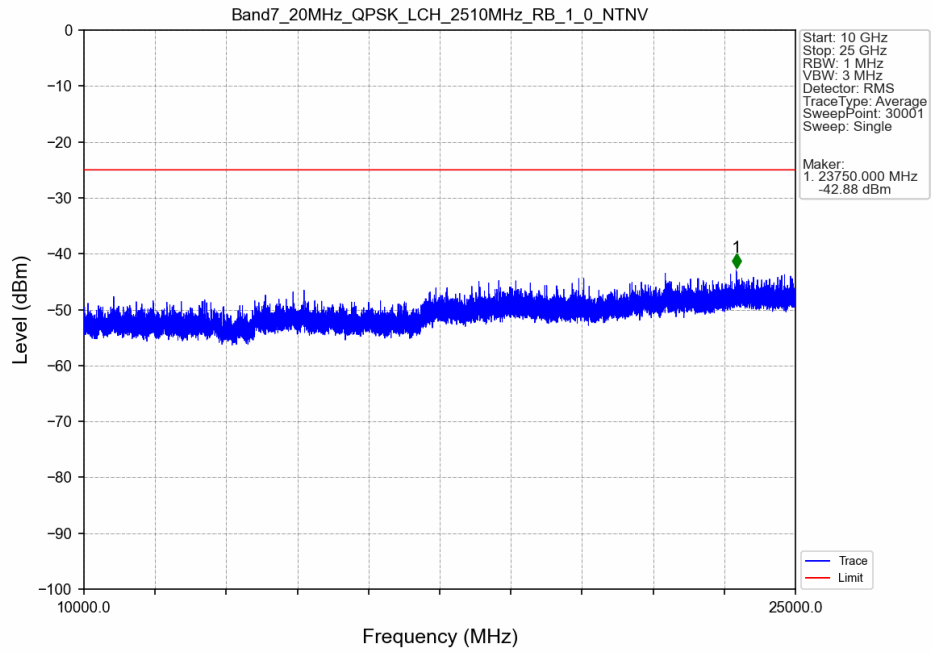


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2555        | 2570       | 0.338     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.338     | CHP    | 1          | 2570.260   | -23.33      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.520   | -24.84      | -10         | Pass   |
| 2575        | 2586.91    | 1         | CHP    | 3          | 2575.020   | -26.52      | -13         | Pass   |
| 2586.91     | 2590       | 1         | CHP    | 4          | 2586.920   | -40.79      | -25         | Pass   |

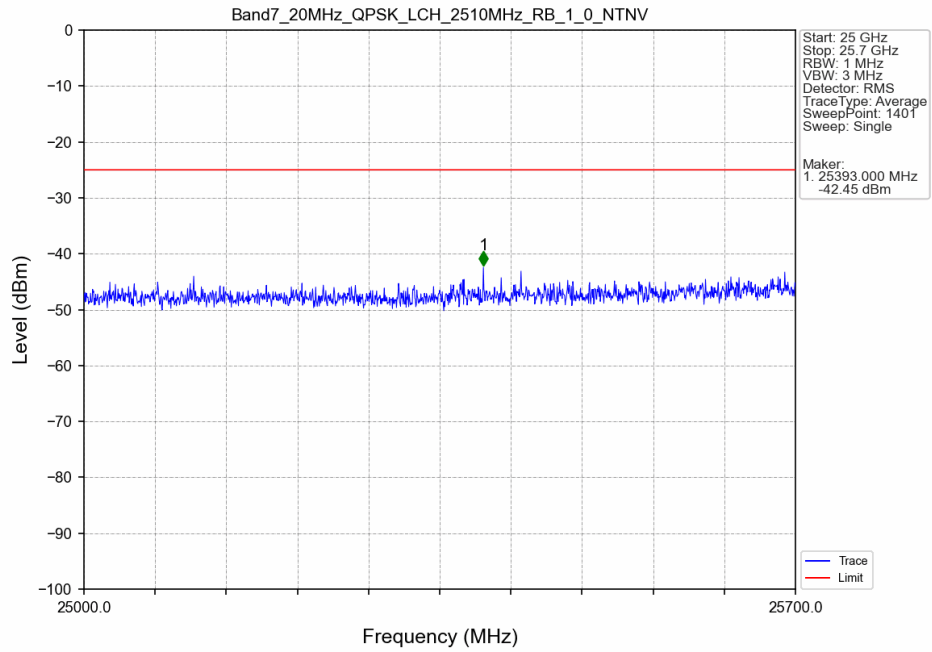
5.2.4 B7\_20MHz



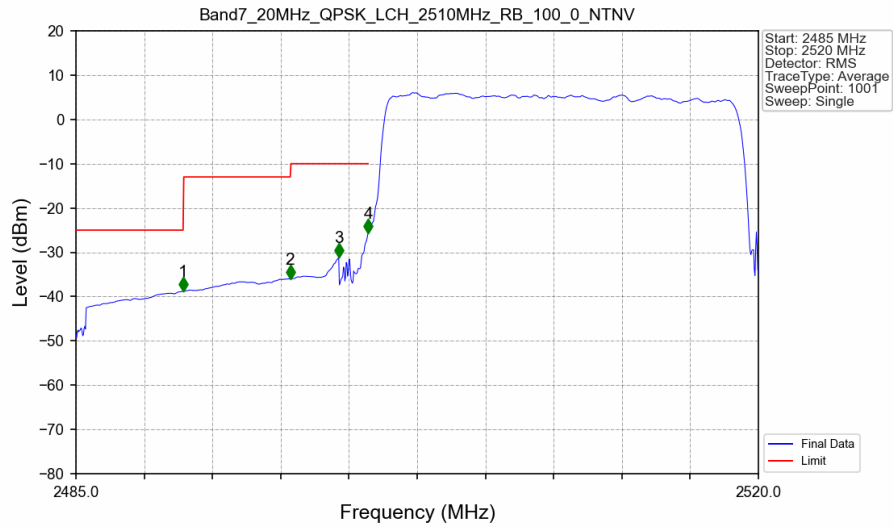
Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV



Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV

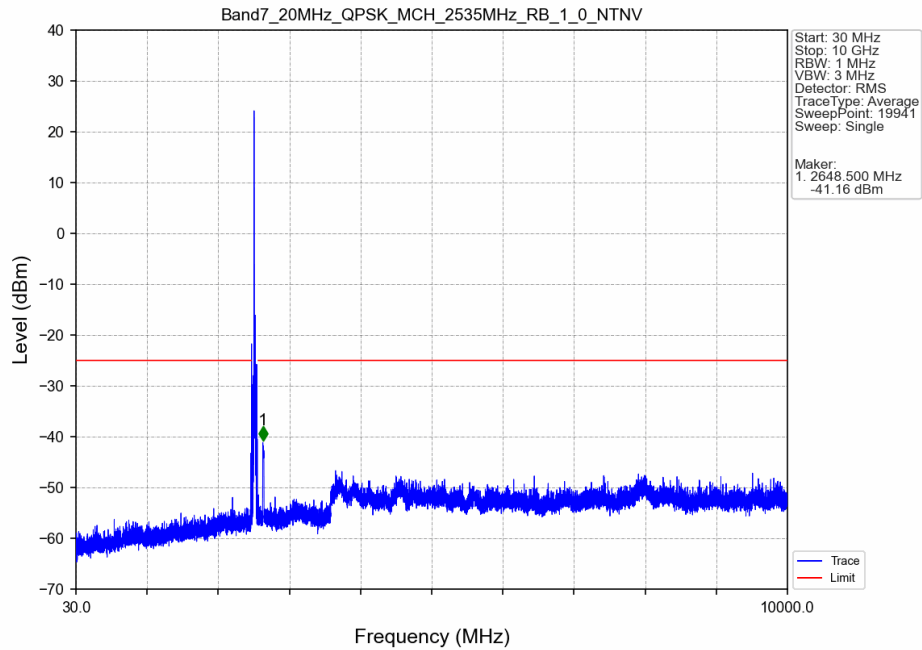


# Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV

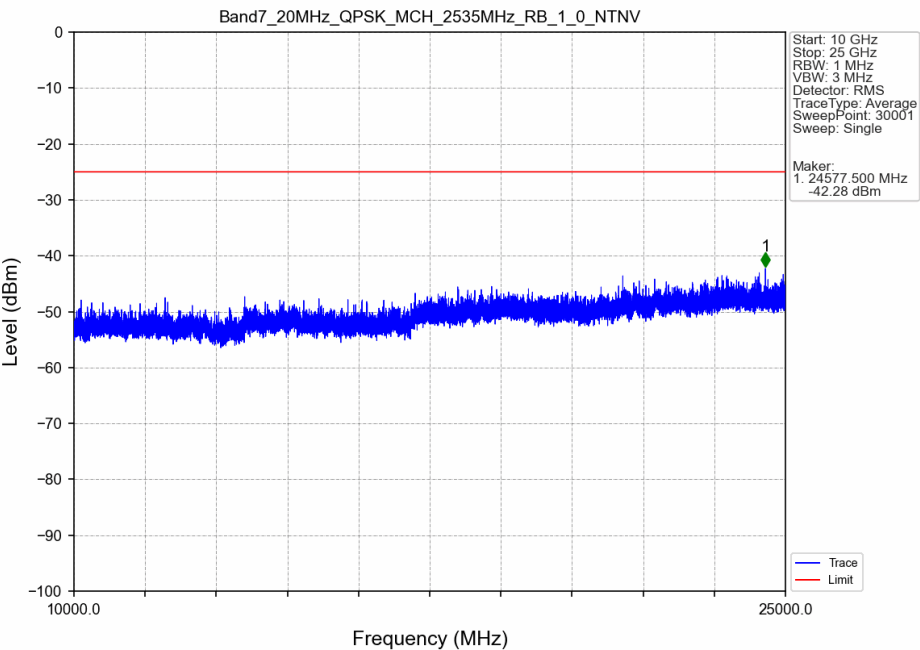


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.495   | -38.82      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.990   | -35.99      | -13         | Pass   |
| 2496        | 2499       | 1         | CHP    | 3          | 2498.475   | -31.09      | -10         | Pass   |
| 2499        | 2500       | 0.429     | CHP    | 4          | 2499.980   | -25.70      | -10         | Pass   |
| 2500        | 2520       | 0.429     | CHP    | /          | /          | /           | /           | /      |

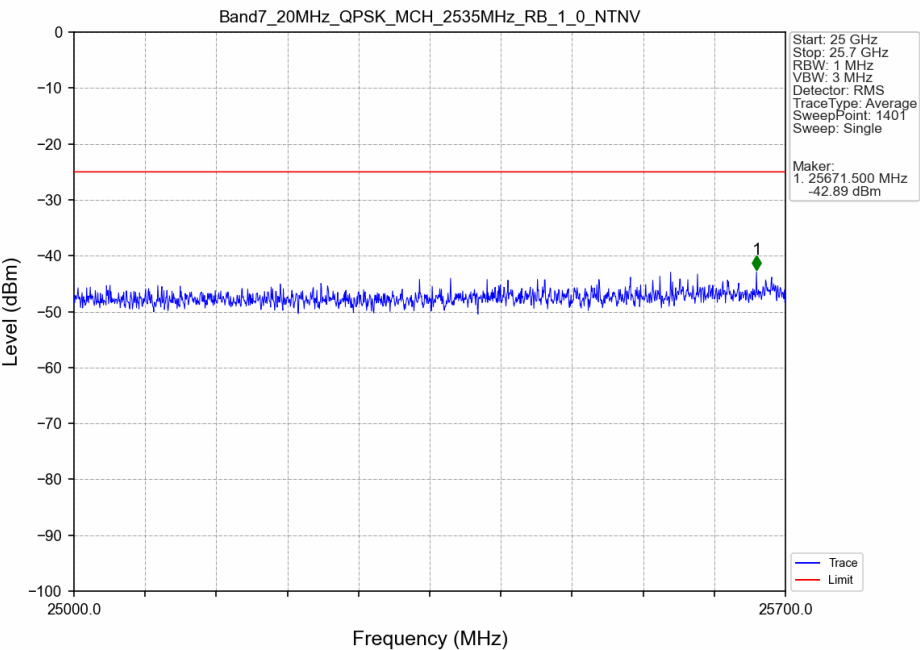
# Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTNV



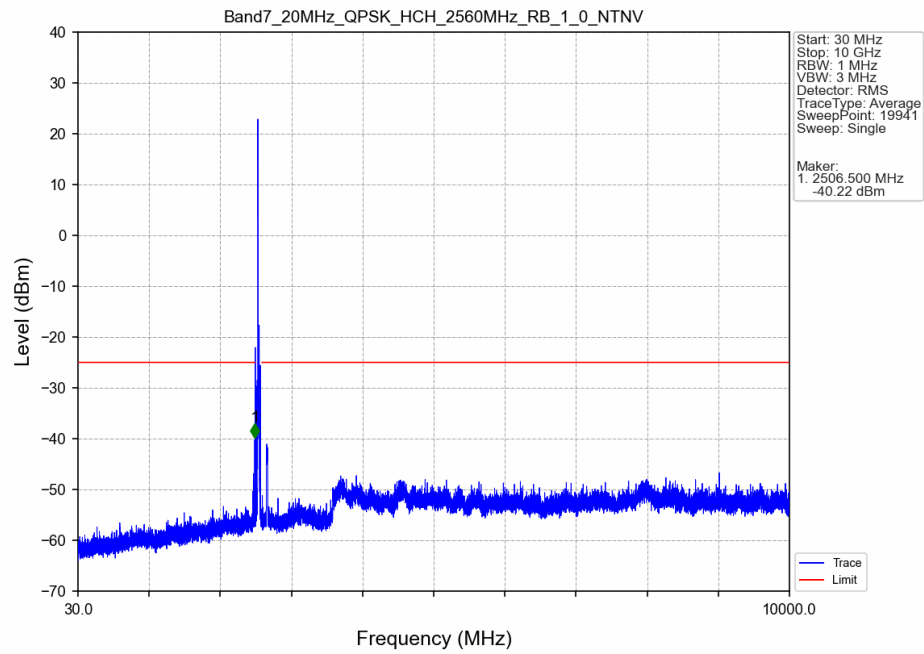
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



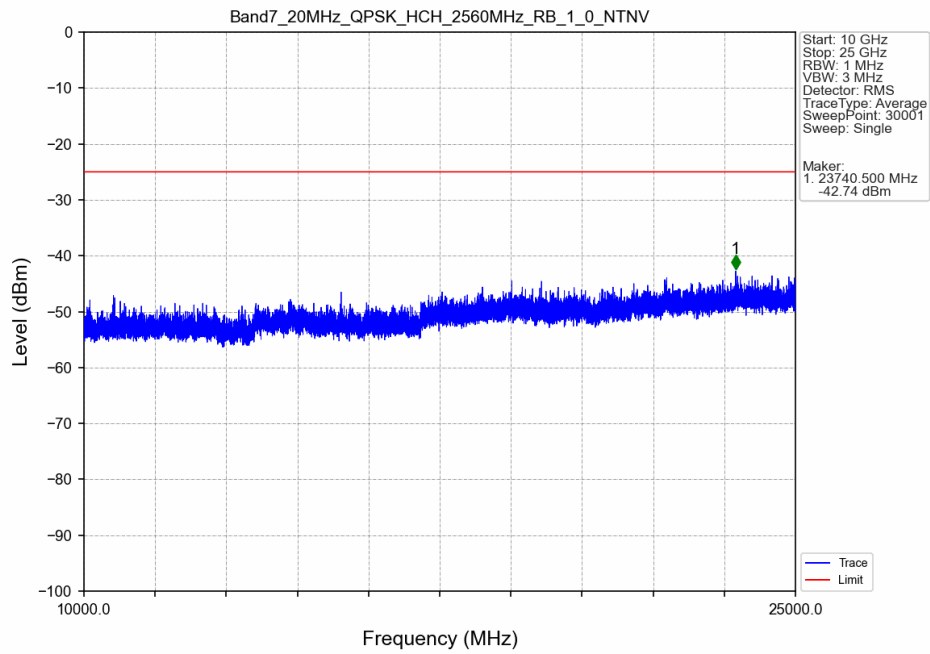
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



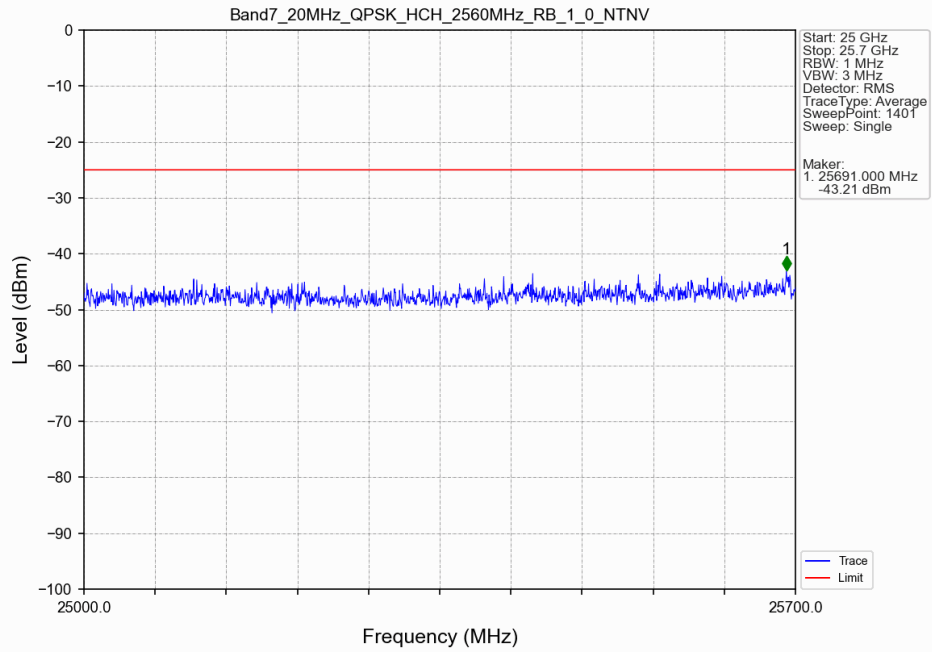
Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTNV



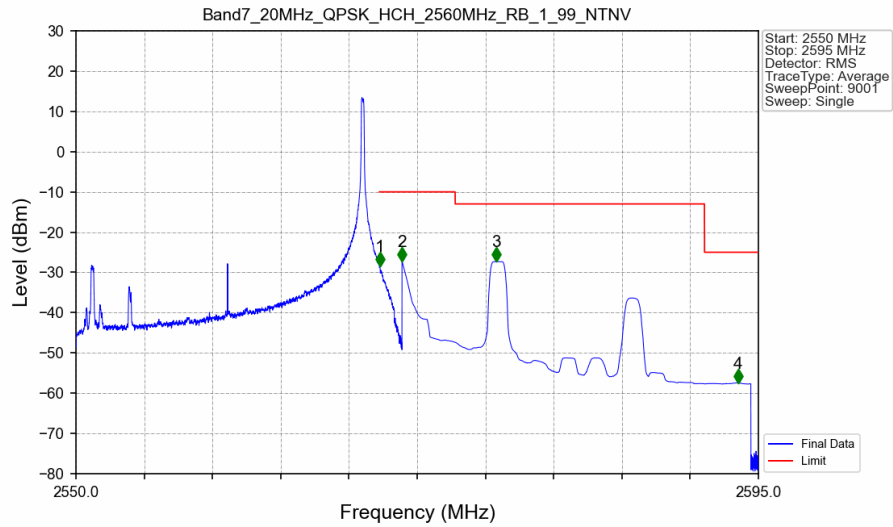
Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTNV



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

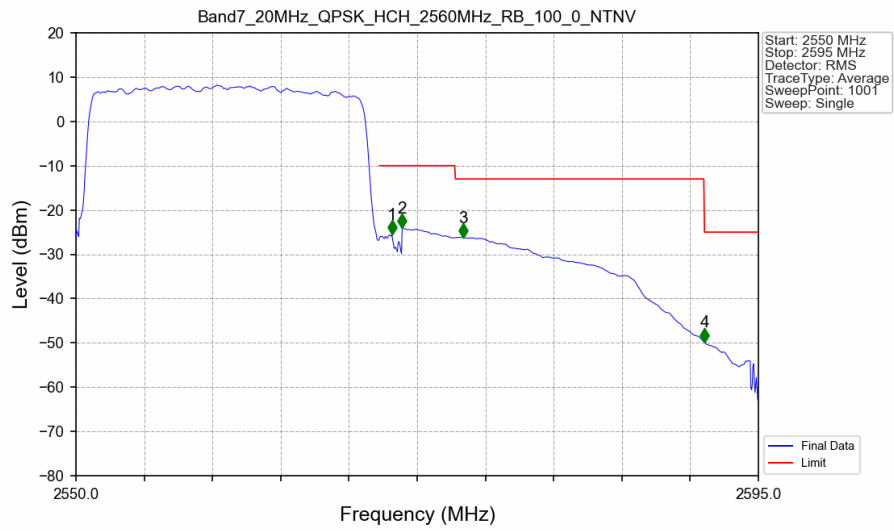


# Band7 20MHz QPSK HCH 2560MHz RB 1 99 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2550        | 2570       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.02      | CHP    | 1          | 2570.035   | -28.45      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.500   | -27.17      | -10         | Pass   |
| 2575        | 2591.442   | 1         | CHP    | 3          | 2577.690   | -27.33      | -13         | Pass   |
| 2591.442    | 2595       | 1         | CHP    | 4          | 2593.660   | -57.41      | -25         | Pass   |

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



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2550        | 2570       | 0.429     | CHP    | /          | /          | /           | /           | /      |
| 2570        | 2571       | 0.429     | CHP    | 1          | 2570.835   | -25.53      | -10         | Pass   |
| 2571        | 2575       | 1         | CHP    | 2          | 2571.510   | -24.06      | -10         | Pass   |
| 2575        | 2591.442   | 1         | CHP    | 3          | 2575.515   | -26.13      | -13         | Pass   |
| 2591.442    | 2595       | 1         | CHP    | 4          | 2591.445   | -49.80      | -25         | Pass   |

-The End-