# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B71_5MHz_ERP

| Band: 71 / Bandwidth: 5MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 665.5 | 1 | 0 | 23.69 | 3.17 | 24.71 | <=34.77 | Pass |
| | | | 13 | 23.48 | 3.17 | 24.50 | <=34.77 | Pass |
| | | | 24 | 23.17 | 3.17 | 24.19 | <=34.77 | Pass |
| | | 12 | 0 | 22.81 | 3.17 | 23.83 | <=34.77 | Pass |
| | | | 6 | 22.65 | 3.17 | 23.67 | <=34.77 | Pass |
| | | | 13 | 22.41 | 3.17 | 23.43 | <=34.77 | Pass |
| | | 25 | 0 | 22.62 | 3.17 | 23.64 | <=34.77 | Pass |
| | 680.5 | 1 | 0 | 23.69 | 3.17 | 24.71 | <=34.77 | Pass |
| | | | 13 | 23.39 | 3.17 | 24.41 | <=34.77 | Pass |
| | | | 24 | 23.35 | 3.17 | 24.37 | <=34.77 | Pass |
| | | 12 | 0 | 22.54 | 3.17 | 23.56 | <=34.77 | Pass |
| | | | 6 | 22.25 | 3.17 | 23.27 | <=34.77 | Pass |
| | | | 13 | 22.32 | 3.17 | 23.34 | <=34.77 | Pass |
| | | 25 | 0 | 22.45 | 3.17 | 23.47 | <=34.77 | Pass |
| | 695.5 | 1 | 0 | 24.02 | 3.17 | 25.04 | <=34.77 | Pass |
| | | | 13 | 23.65 | 3.17 | 24.67 | <=34.77 | Pass |
| | | | 24 | 23.01 | 3.17 | 24.03 | <=34.77 | Pass |
| | | 12 | 0 | 23.01 | 3.17 | 24.03 | <=34.77 | Pass |
| | | | 6 | 22.83 | 3.17 | 23.85 | <=34.77 | Pass |
| | | | 13 | 22.39 | 3.17 | 23.41 | <=34.77 | Pass |
| | | 25 | 0 | 22.72 | 3.17 | 23.74 | <=34.77 | Pass |
| 16QAM | 665.5 | 1 | 0 | 22.83 | 3.17 | 23.85 | <=34.77 | Pass |
| | | | 13 | 22.55 | 3.17 | 23.57 | <=34.77 | Pass |
| | | | 24 | 22.44 | 3.17 | 23.46 | <=34.77 | Pass |
| | | 12 | 0 | 21.78 | 3.17 | 22.80 | <=34.77 | Pass |
| | | | 6 | 21.64 | 3.17 | 22.66 | <=34.77 | Pass |
| | | | 13 | 21.31 | 3.17 | 22.33 | <=34.77 | Pass |
| | | 25 | 0 | 21.54 | 3.17 | 22.56 | <=34.77 | Pass |
| | 680.5 | 1 | 0 | 22.61 | 3.17 | 23.63 | <=34.77 | Pass |
| | | | 13 | 22.32 | 3.17 | 23.34 | <=34.77 | Pass |
| | | | 24 | 22.40 | 3.17 | 23.42 | <=34.77 | Pass |
| | | 12 | 0 | 21.46 | 3.17 | 22.48 | <=34.77 | Pass |
| | | | 6 | 21.35 | 3.17 | 22.37 | <=34.77 | Pass |
| | | | 13 | 21.28 | 3.17 | 22.30 | <=34.77 | Pass |
| | | 25 | 0 | 21.39 | 3.17 | 22.41 | <=34.77 | Pass |
| | 695.5 | 1 | 0 | 23.08 | 3.17 | 24.10 | <=34.77 | Pass |
| | | | 13 | 22.98 | 3.17 | 24.00 | <=34.77 | Pass |
| | | | 24 | 22.34 | 3.17 | 23.36 | <=34.77 | Pass |
| | | 12 | 0 | 21.93 | 3.17 | 22.95 | <=34.77 | Pass |
| | | | 6 | 21.92 | 3.17 | 22.94 | <=34.77 | Pass |
| | | | 13 | 21.52 | 3.17 | 22.54 | <=34.77 | Pass |
| | | 25 | 0 | 21.82 | 3.17 | 22.84 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

## 1.1.2 B71_10MHz_ERP

| Band: 71 / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 668 | 1 | 0 | 23.58 | 3.17 | 24.60 | <=34.77 | Pass |
| | | | 25 | 23.03 | 3.17 | 24.05 | <=34.77 | Pass |
| | | | 49 | 23.49 | 3.17 | 24.51 | <=34.77 | Pass |
| | | 25 | 0 | 22.35 | 3.17 | 23.37 | <=34.77 | Pass |
| | | | 13 | 22.21 | 3.17 | 23.23 | <=34.77 | Pass |
| | | | 25 | 22.37 | 3.17 | 23.39 | <=34.77 | Pass |
| | | 50 | 0 | 22.34 | 3.17 | 23.36 | <=34.77 | Pass |
| | 680.5 | 1 | 0 | 24.02 | 3.17 | 25.04 | <=34.77 | Pass |
| | | | 25 | 23.43 | 3.17 | 24.45 | <=34.77 | Pass |
| | | | 49 | 23.48 | 3.17 | 24.50 | <=34.77 | Pass |
| | | 25 | 0 | 22.54 | 3.17 | 23.56 | <=34.77 | Pass |
| | | | 13 | 22.35 | 3.17 | 23.37 | <=34.77 | Pass |
| | | | 25 | 22.29 | 3.17 | 23.31 | <=34.77 | Pass |
| | | 50 | 0 | 22.48 | 3.17 | 23.50 | <=34.77 | Pass |
| | 693 | 1 | 0 | 23.87 | 3.17 | 24.89 | <=34.77 | Pass |
| | | | 25 | 23.95 | 3.17 | 24.97 | <=34.77 | Pass |
| | | | 49 | 23.05 | 3.17 | 24.07 | <=34.77 | Pass |
| | | 25 | 0 | 22.97 | 3.17 | 23.99 | <=34.77 | Pass |
| | | | 13 | 22.97 | 3.17 | 23.99 | <=34.77 | Pass |
| | | | 25 | 22.82 | 3.17 | 23.84 | <=34.77 | Pass |
| | | 50 | 0 | 22.93 | 3.17 | 23.95 | <=34.77 | Pass |
| 16QAM | 668 | 1 | 0 | 22.83 | 3.17 | 23.85 | <=34.77 | Pass |
| | | | 25 | 22.14 | 3.17 | 23.16 | <=34.77 | Pass |
| | | | 49 | 22.80 | 3.17 | 23.82 | <=34.77 | Pass |
| | | 12 | 0 | 22.52 | 3.17 | 23.54 | <=34.77 | Pass |
| | | | 19 | 22.06 | 3.17 | 23.08 | <=34.77 | Pass |
| | | | 38 | 22.42 | 3.17 | 23.44 | <=34.77 | Pass |
| | | 27 | 0 | 21.43 | 3.17 | 22.45 | <=34.77 | Pass |
| | 680.5 | 1 | 0 | 22.81 | 3.17 | 23.83 | <=34.77 | Pass |
| | | | 25 | 22.38 | 3.17 | 23.40 | <=34.77 | Pass |
| | | | 49 | 22.39 | 3.17 | 23.41 | <=34.77 | Pass |
| | | 12 | 0 | 22.75 | 3.17 | 23.77 | <=34.77 | Pass |
| | | | 19 | 22.30 | 3.17 | 23.32 | <=34.77 | Pass |
| | | | 38 | 22.38 | 3.17 | 23.40 | <=34.77 | Pass |
| | | 27 | 0 | 21.63 | 3.17 | 22.65 | <=34.77 | Pass |
| | 693 | 1 | 0 | 23.02 | 3.17 | 24.04 | <=34.77 | Pass |
| | | | 25 | 23.14 | 3.17 | 24.16 | <=34.77 | Pass |
| | | | 49 | 22.39 | 3.17 | 23.41 | <=34.77 | Pass |
| | | 12 | 0 | 23.07 | 3.17 | 24.09 | <=34.77 | Pass |
| | | | 19 | 22.97 | 3.17 | 23.99 | <=34.77 | Pass |
| | | | 38 | 22.50 | 3.17 | 23.52 | <=34.77 | Pass |
| | | 27 | 23 | 21.93 | 3.17 | 22.95 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

### 1.1.3 B71_15MHz_ERP

| Band: 71 / Bandwidth: 15MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 670.5 | 1 | 0 | 23.10 | 3.17 | 24.12 | <=34.77 | Pass |
| | | | 38 | 23.47 | 3.17 | 24.49 | <=34.77 | Pass |
| | | | 74 | 22.85 | 3.17 | 23.87 | <=34.77 | Pass |
| | | 36 | 0 | 22.27 | 3.17 | 23.29 | <=34.77 | Pass |
| | | | 18 | 22.37 | 3.17 | 23.39 | <=34.77 | Pass |
| | | | 39 | 22.52 | 3.17 | 23.54 | <=34.77 | Pass |
| | | 75 | 0 | 22.44 | 3.17 | 23.46 | <=34.77 | Pass |
| | 680.5 | 1 | 0 | 23.18 | 3.17 | 24.20 | <=34.77 | Pass |
| | | | 38 | 23.48 | 3.17 | 24.50 | <=34.77 | Pass |
| | | | 74 | 23.43 | 3.17 | 24.45 | <=34.77 | Pass |
| | | 36 | 0 | 22.84 | 3.17 | 23.86 | <=34.77 | Pass |
| | | | 18 | 22.42 | 3.17 | 23.44 | <=34.77 | Pass |
| | | | 39 | 22.29 | 3.17 | 23.31 | <=34.77 | Pass |
| | | 75 | 0 | 22.62 | 3.17 | 23.64 | <=34.77 | Pass |
| | 690.5 | 1 | 0 | 23.05 | 3.17 | 24.07 | <=34.77 | Pass |
| | | | 38 | 23.29 | 3.17 | 24.31 | <=34.77 | Pass |
| | | | 74 | 22.79 | 3.17 | 23.81 | <=34.77 | Pass |
| | | 36 | 0 | 22.12 | 3.17 | 23.14 | <=34.77 | Pass |
| | | | 18 | 22.41 | 3.17 | 23.43 | <=34.77 | Pass |
| | | | 39 | 22.32 | 3.17 | 23.34 | <=34.77 | Pass |
| | | 75 | 0 | 22.30 | 3.17 | 23.32 | <=34.77 | Pass |
| 16QAM | 670.5 | 1 | 0 | 22.53 | 3.17 | 23.55 | <=34.77 | Pass |
| | | | 38 | 22.69 | 3.17 | 23.71 | <=34.77 | Pass |
| | | | 74 | 22.23 | 3.17 | 23.25 | <=34.77 | Pass |
| | | 12 | 0 | 22.39 | 3.17 | 23.41 | <=34.77 | Pass |
| | | | 31 | 22.50 | 3.17 | 23.52 | <=34.77 | Pass |
| | | | 63 | 22.33 | 3.17 | 23.35 | <=34.77 | Pass |
| | | 27 | 0 | 21.40 | 3.17 | 22.42 | <=34.77 | Pass |
| | 680.5 | 1 | 0 | 23.02 | 3.17 | 24.04 | <=34.77 | Pass |
| | | | 38 | 22.84 | 3.17 | 23.86 | <=34.77 | Pass |
| | | | 74 | 22.66 | 3.17 | 23.68 | <=34.77 | Pass |
| | | 12 | 0 | 23.20 | 3.17 | 24.22 | <=34.77 | Pass |
| | | | 31 | 22.28 | 3.17 | 23.30 | <=34.77 | Pass |
| | | | 63 | 22.30 | 3.17 | 23.32 | <=34.77 | Pass |
| | | 27 | 0 | 22.15 | 3.17 | 23.17 | <=34.77 | Pass |
| | 690.5 | 1 | 0 | 21.98 | 3.17 | 23.00 | <=34.77 | Pass |
| | | | 38 | 22.54 | 3.17 | 23.56 | <=34.77 | Pass |
| | | | 74 | 21.86 | 3.17 | 22.88 | <=34.77 | Pass |
| | | 12 | 0 | 21.97 | 3.17 | 22.99 | <=34.77 | Pass |
| | | | 31 | 22.57 | 3.17 | 23.59 | <=34.77 | Pass |
| | | | 63 | 22.01 | 3.17 | 23.03 | <=34.77 | Pass |
| | | 27 | 48 | 21.49 | 3.17 | 22.51 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

## 1.1.4 B71_20MHz_ERP

| Band: 71 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 673 | 1 | 0 | 22.73 | 3.17 | 23.75 | <=34.77 | Pass |
| | | | 50 | 23.39 | 3.17 | 24.41 | <=34.77 | Pass |
| | | | 99 | 22.71 | 3.17 | 23.73 | <=34.77 | Pass |
| | | 50 | 0 | 22.56 | 3.17 | 23.58 | <=34.77 | Pass |
| | | | 25 | 22.76 | 3.17 | 23.78 | <=34.77 | Pass |
| | | | 50 | 22.40 | 3.17 | 23.42 | <=34.77 | Pass |
| | | 100 | 0 | 22.52 | 3.17 | 23.54 | <=34.77 | Pass |
| | 683 | 1 | 0 | 22.81 | 3.17 | 23.83 | <=34.77 | Pass |
| | | | 50 | 23.40 | 3.17 | 24.42 | <=34.77 | Pass |
| | | | 99 | 23.33 | 3.17 | 24.35 | <=34.77 | Pass |
| | | 50 | 0 | 22.49 | 3.17 | 23.51 | <=34.77 | Pass |
| | | | 25 | 22.21 | 3.17 | 23.23 | <=34.77 | Pass |
| | | | 50 | 22.43 | 3.17 | 23.45 | <=34.77 | Pass |
| | | 100 | 0 | 22.47 | 3.17 | 23.49 | <=34.77 | Pass |
| | 688 | 1 | 0 | 22.42 | 3.17 | 23.44 | <=34.77 | Pass |
| | | | 50 | 23.49 | 3.17 | 24.51 | <=34.77 | Pass |
| | | | 99 | 22.65 | 3.17 | 23.67 | <=34.77 | Pass |
| | | 50 | 0 | 22.01 | 3.17 | 23.03 | <=34.77 | Pass |
| | | | 25 | 22.35 | 3.17 | 23.37 | <=34.77 | Pass |
| | | | 50 | 22.44 | 3.17 | 23.46 | <=34.77 | Pass |
| | | 100 | 0 | 22.25 | 3.17 | 23.27 | <=34.77 | Pass |
| 16QAM | 673 | 1 | 0 | 22.54 | 3.17 | 23.56 | <=34.77 | Pass |
| | | | 50 | 22.88 | 3.17 | 23.90 | <=34.77 | Pass |
| | | | 99 | 21.88 | 3.17 | 22.90 | <=34.77 | Pass |
| | | 12 | 0 | 22.54 | 3.17 | 23.56 | <=34.77 | Pass |
| | | | 44 | 22.87 | 3.17 | 23.89 | <=34.77 | Pass |
| | | | 88 | 21.83 | 3.17 | 22.85 | <=34.77 | Pass |
| | | 27 | 0 | 21.46 | 3.17 | 22.48 | <=34.77 | Pass |
| | 683 | 1 | 0 | 22.58 | 3.17 | 23.60 | <=34.77 | Pass |
| | | | 50 | 22.71 | 3.17 | 23.73 | <=34.77 | Pass |
| | | | 99 | 22.78 | 3.17 | 23.80 | <=34.77 | Pass |
| | | 12 | 0 | 22.79 | 3.17 | 23.81 | <=34.77 | Pass |
| | | | 44 | 22.22 | 3.17 | 23.24 | <=34.77 | Pass |
| | | | 88 | 22.58 | 3.17 | 23.60 | <=34.77 | Pass |
| | | 27 | 0 | 21.63 | 3.17 | 22.65 | <=34.77 | Pass |
| | 688 | 1 | 0 | 22.14 | 3.17 | 23.16 | <=34.77 | Pass |
| | | | 50 | 22.53 | 3.17 | 23.55 | <=34.77 | Pass |
| | | | 99 | 21.88 | 3.17 | 22.90 | <=34.77 | Pass |
| | | 12 | 0 | 21.78 | 3.17 | 22.80 | <=34.77 | Pass |
| | | | 44 | 22.36 | 3.17 | 23.38 | <=34.77 | Pass |
| | | | 88 | 22.11 | 3.17 | 23.13 | <=34.77 | Pass |
| | | 27 | 73 | 21.59 | 3.17 | 22.61 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

# 2. Frequency Stability

## 2.1 Test Result

### 2.1.1 B71_10MHz

| Band: 71 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 680.5 | 50 | 0 | 20 | LV | 11.200 | 0.0165 | -2.5 to 2.5 | Pass |
| | | | | | NV | 1.900 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | | HV | 0.000 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -30 | NV | -0.100 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -20 | NV | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -10 | NV | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 0 | NV | 1.300 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | NV | 1.200 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 30 | NV | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 40 | NV | 0.500 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | NV | 0.600 | 0.0009 | -2.5 to 2.5 | Pass |

# 3. 99% & 26dB Bandwidth

## 3.1 Test Result

### 3.1.1 Band71_OBW

| Band: 71 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 680.5 | 25 | 0 | 4.552 | / | Pass |
| | 16QAM | 680.5 | 25 | 0 | 4.543 | / | Pass |
| 10 | QPSK | 680.5 | 50 | 0 | 9.069 | / | Pass |
| | 16QAM | 680.5 | 27 | 0 | 5.088 | / | Pass |
| 15 | QPSK | 680.5 | 75 | 0 | 13.632 | / | Pass |
| | 16QAM | 680.5 | 27 | 0 | 5.358 | / | Pass |
| 20 | QPSK | 683 | 100 | 0 | 18.128 | / | Pass |
| | 16QAM | 683 | 27 | 0 | 5.647 | / | Pass |

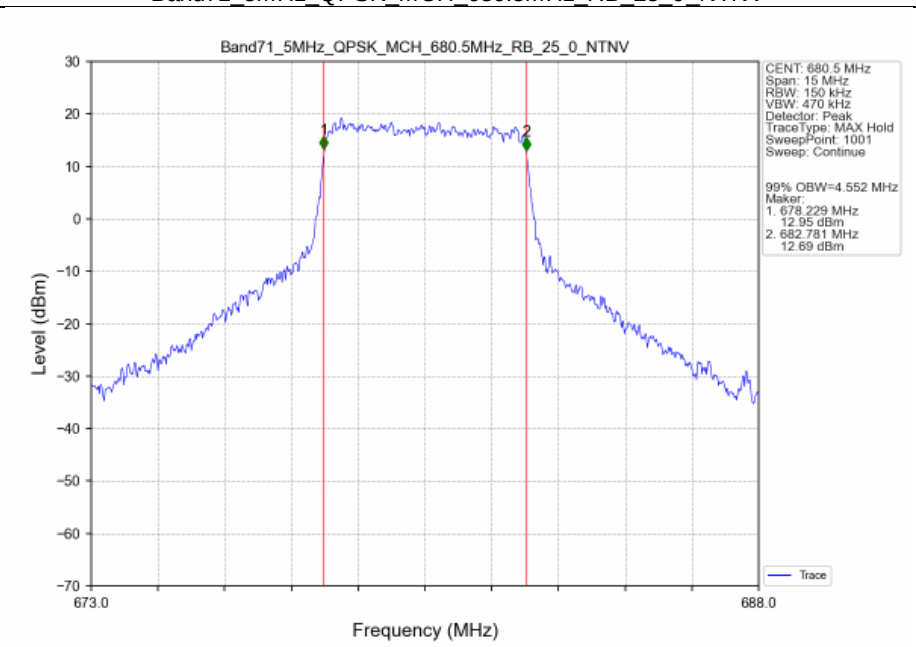
### 3.1.2 Band71_XDB

| Band: 71 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 680.5 | 25 | 0 | 5.385 | / | Pass |
| | 16QAM | 680.5 | 25 | 0 | 5.436 | / | Pass |
| 10 | QPSK | 680.5 | 50 | 0 | 10.273 | / | Pass |
| | 16QAM | 680.5 | 27 | 0 | 6.192 | / | Pass |
| 15 | QPSK | 680.5 | 75 | 0 | 15.509 | / | Pass |
| | 16QAM | 680.5 | 27 | 0 | 6.951 | / | Pass |
| 20 | QPSK | 683 | 100 | 0 | 20.291 | / | Pass |
| | 16QAM | 683 | 27 | 0 | 7.551 | / | Pass |

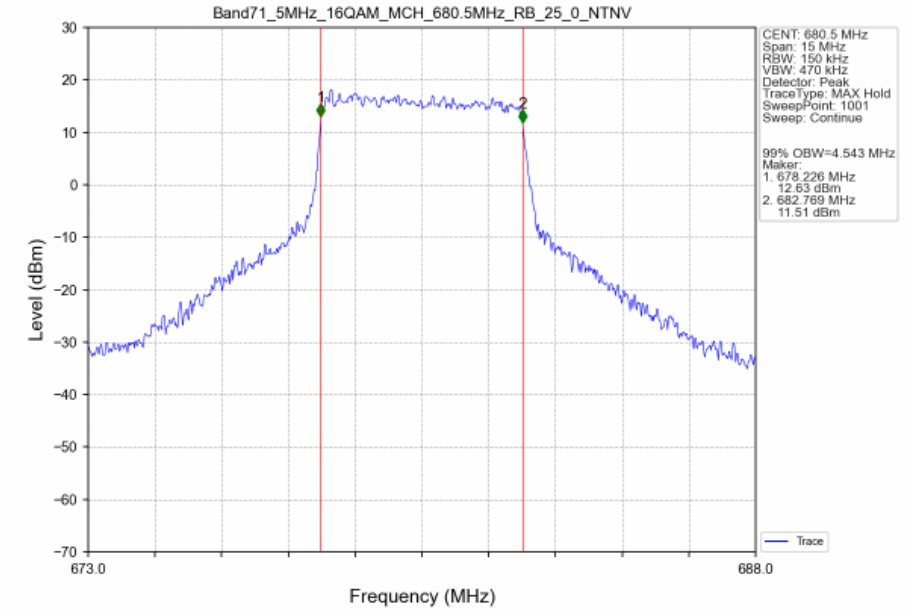
## 3.2 Test Graph

### 3.2.1 Band71_OBW

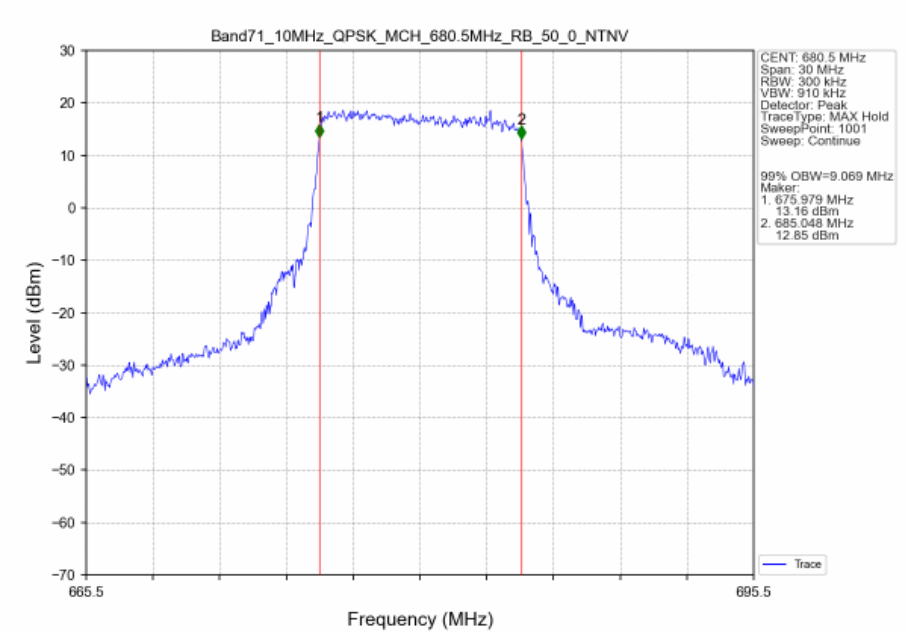
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



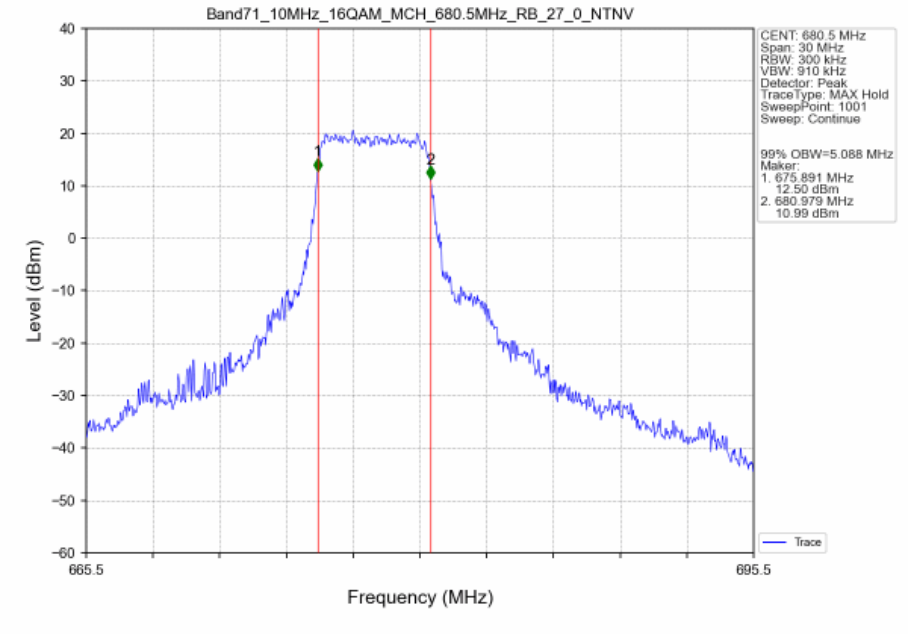

Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



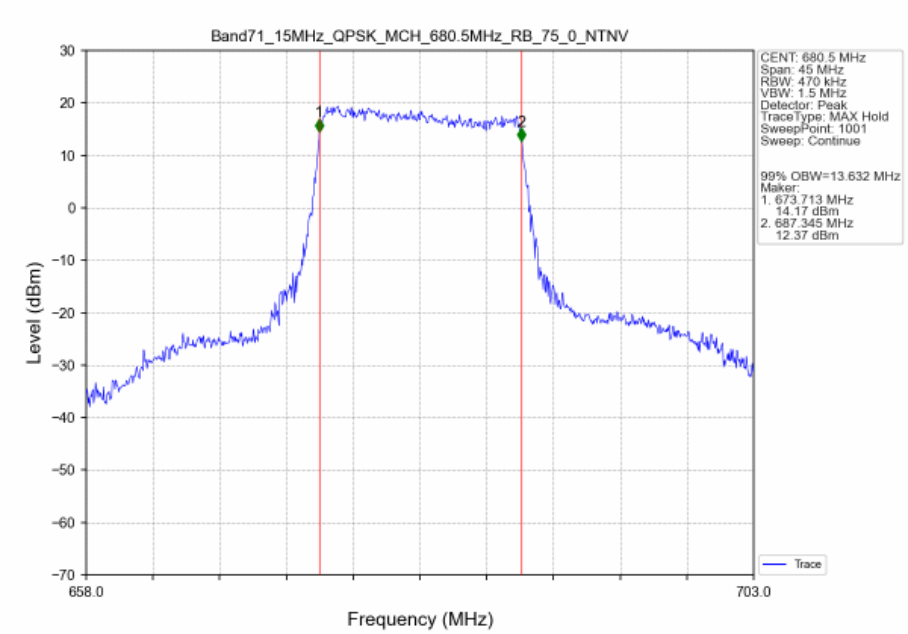
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



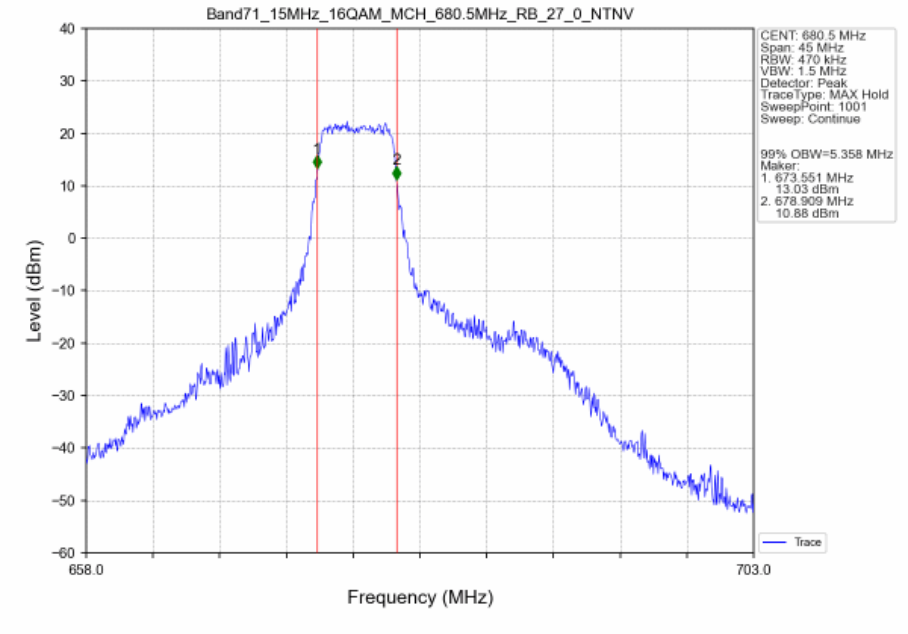

Band71_10MHz_16QAM_MCH_680.5MHz_RB_27_0_NTNV



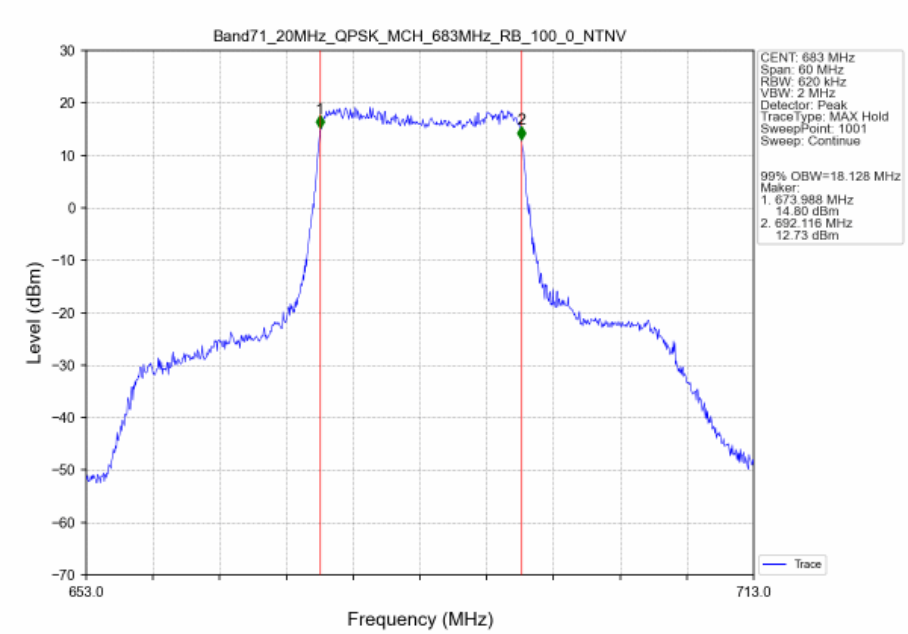
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



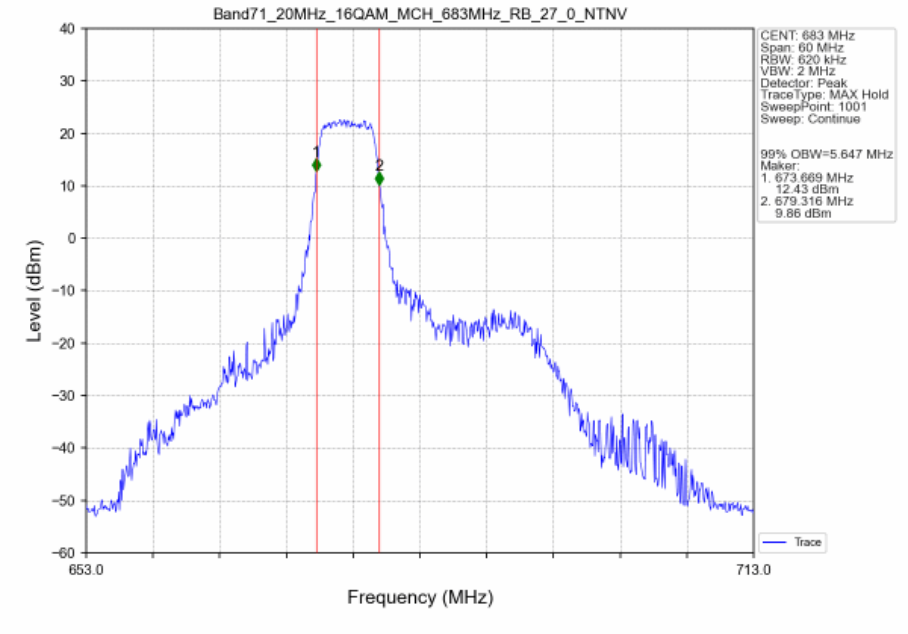

Band71_15MHz_16QAM_MCH_680.5MHz_RB_27_0_NTNV



Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV

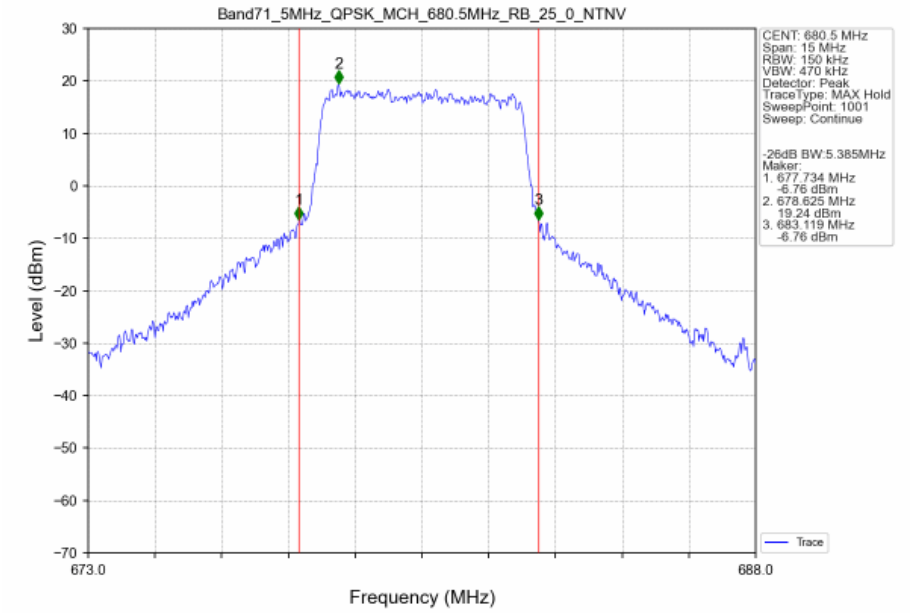



Band71_20MHz_16QAM_MCH_683MHz_RB_27_0_NTNV

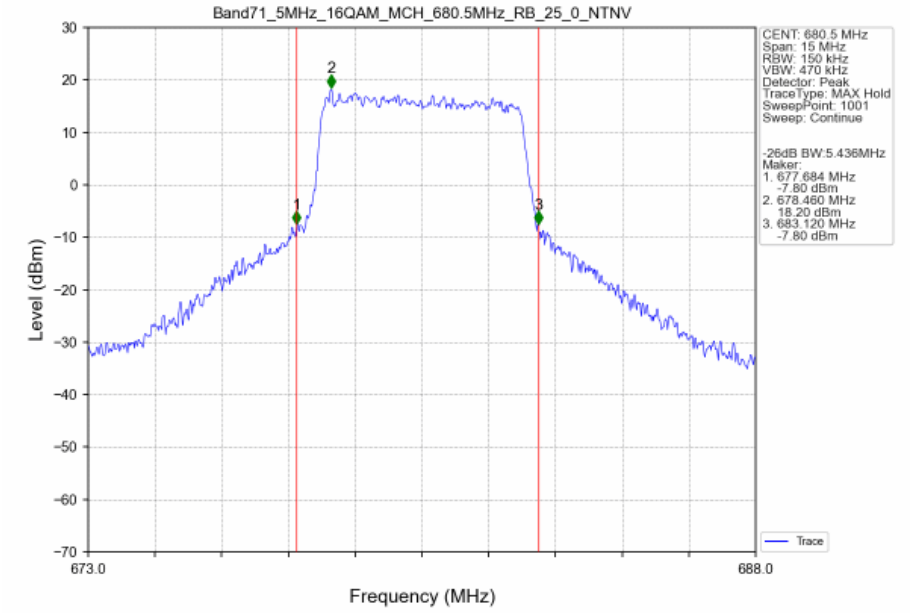


### 3.2.2 Band71_XDB

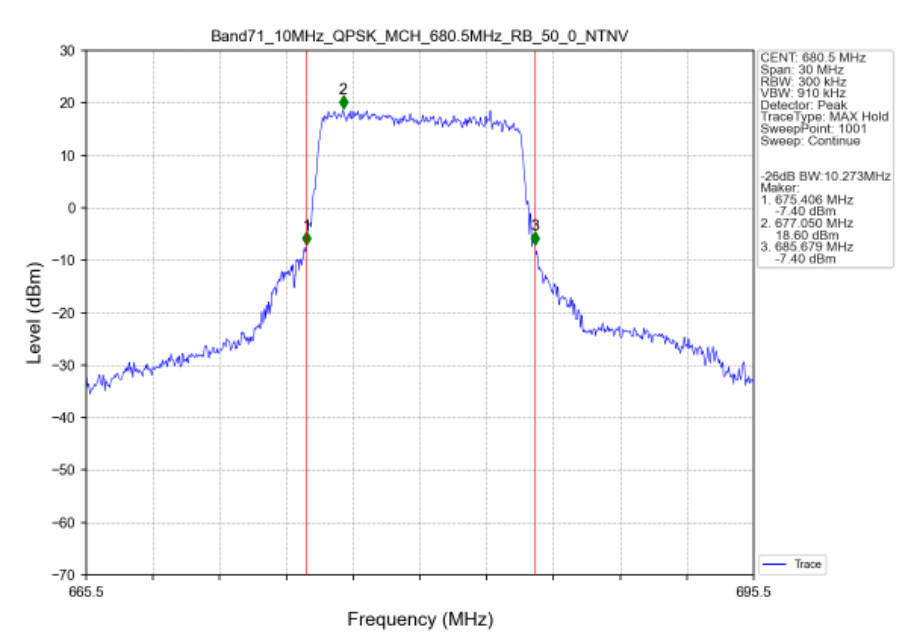
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



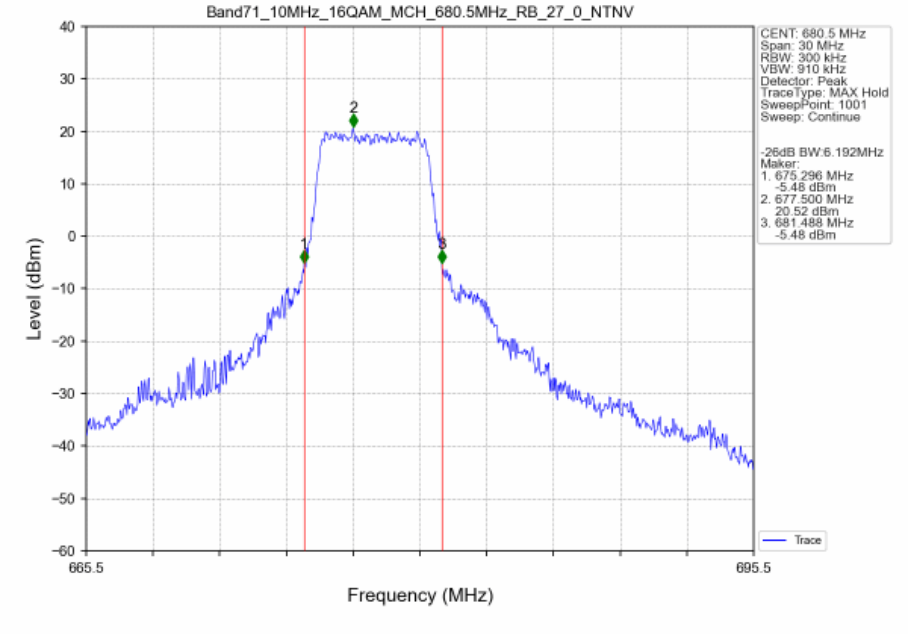

Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



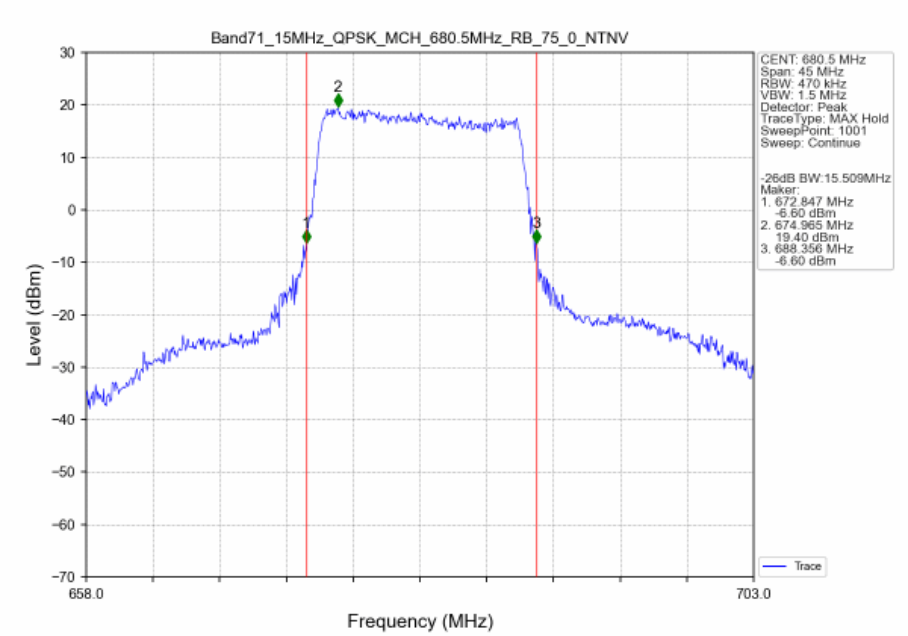
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



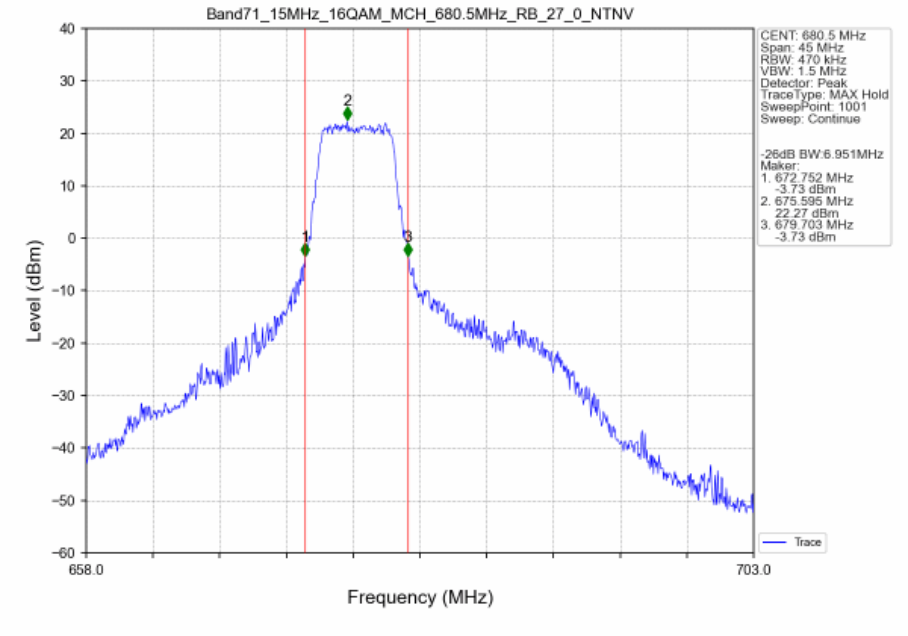

Band71_10MHz_16QAM_MCH_680.5MHz_RB_27_0_NTNV



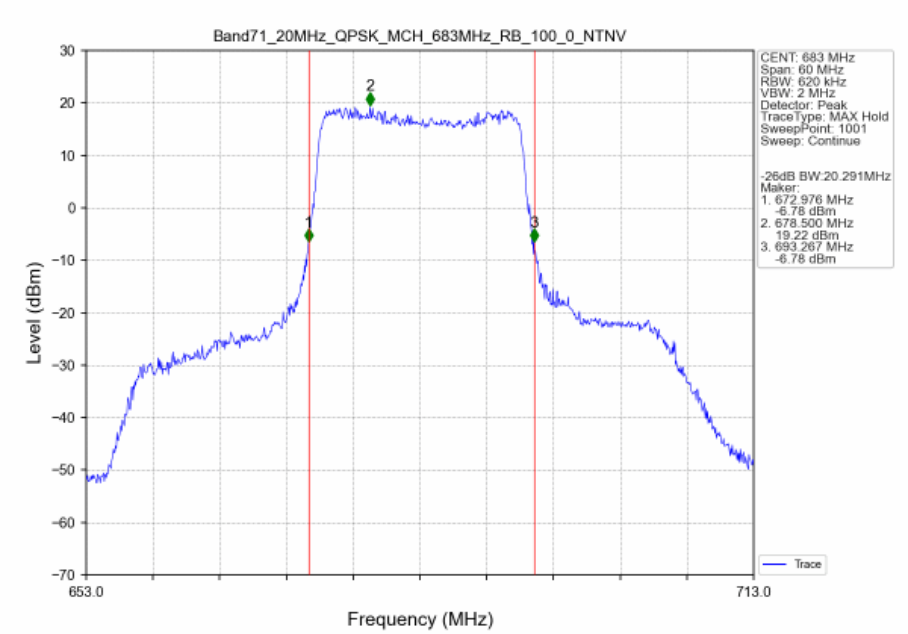
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



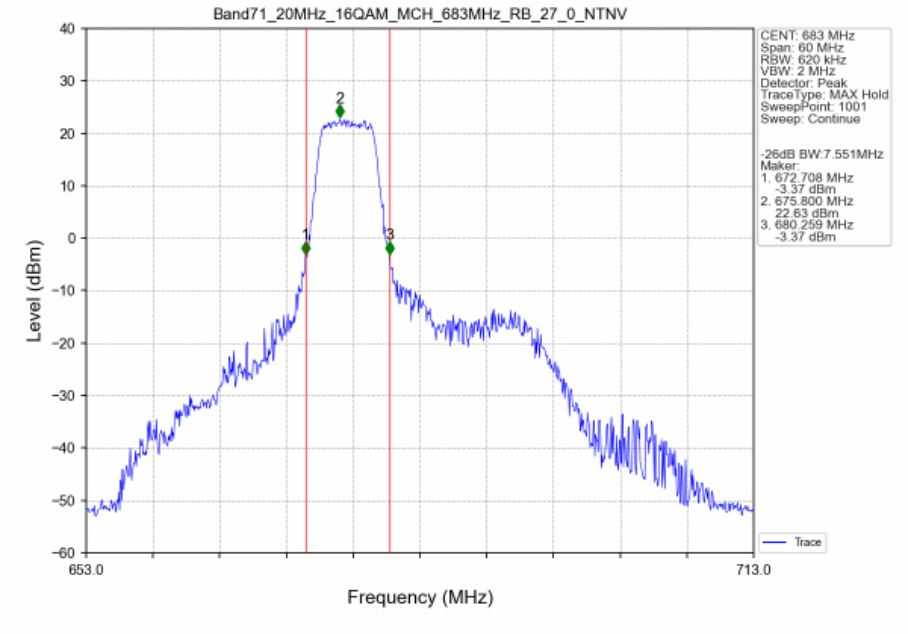

Band71_15MHz_16QAM_MCH_680.5MHz_RB_27_0_NTNV



Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV




Band71_20MHz_16QAM_MCH_683MHz_RB_27_0_NTNV



# 4. Peak-Average Ratio

## 4.1 Test Result

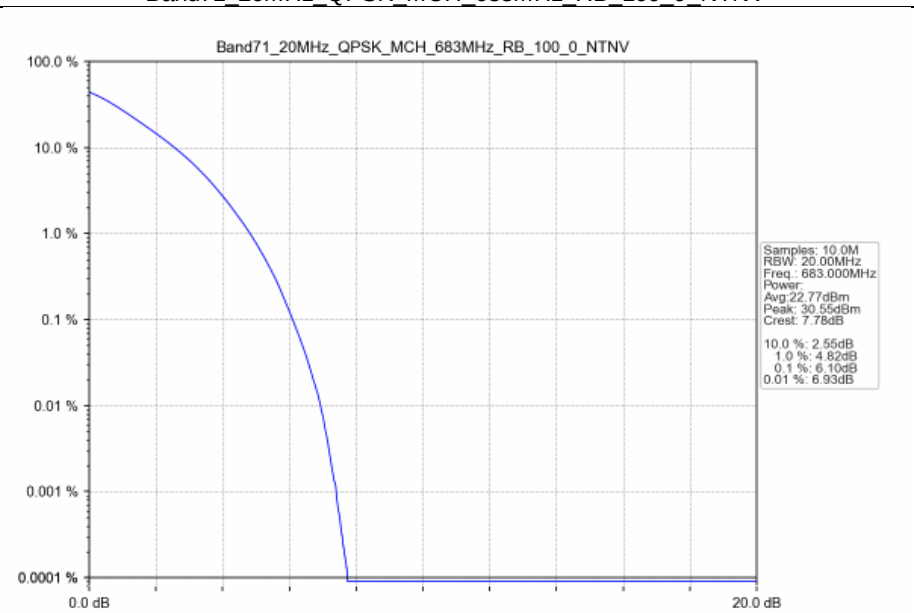
### 4.1.1 B71_20MHz

| Band: 71 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 683 | 100 | 0 | 6.10 | <=13 | Pass |
| 16QAM | 683 | 27 | 0 | 6.73 | <=13 | Pass |

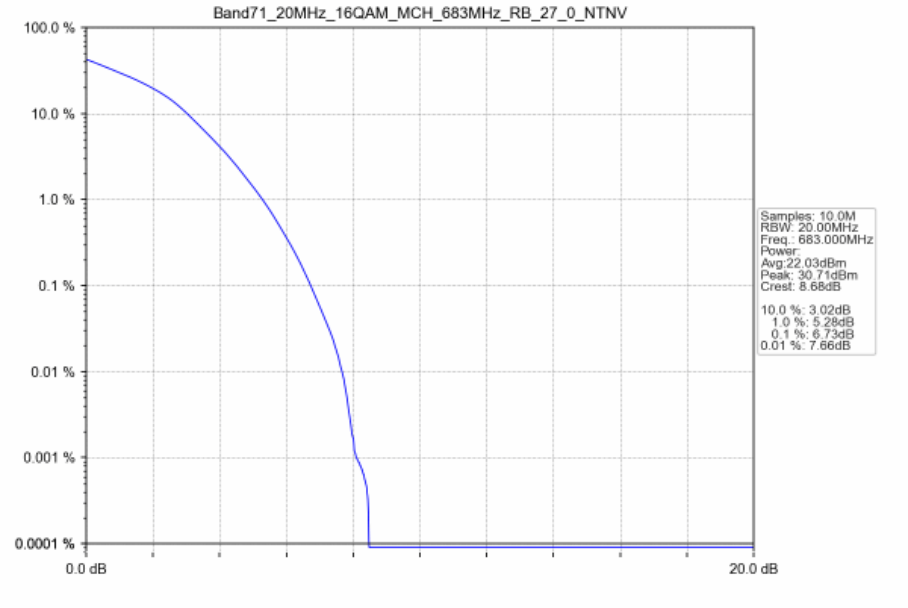
## 4.2 Test Graph

### 4.2.1 B71_20MHz

Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV




Band71_20MHz_16QAM_MCH_683MHz_RB_27_0_NTNV



# 5. Spurious Emission

## 5.1 Test Result

### 5.1.1 B71_5MHz

| Band: 71 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 665.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 695.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

### 5.1.2 B71_10MHz

| Band: 71 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 668 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 693 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

### 5.1.3 B71_15MHz

| Band: 71 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 670.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 690.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |

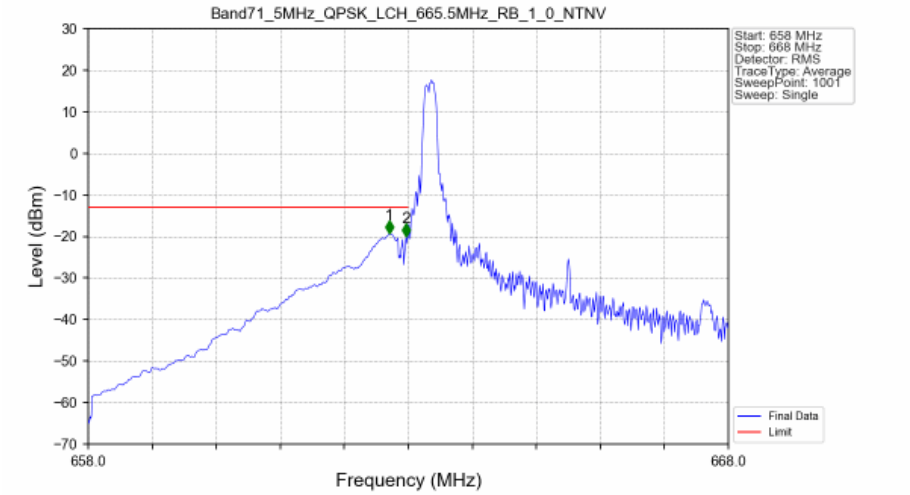
### 5.1.4 B71_20MHz

| Band: 71 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 673 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 683 | 1 | 0 | Refer To Test Graph | | Pass |
| | 688 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |

## 5.2 Test Graph

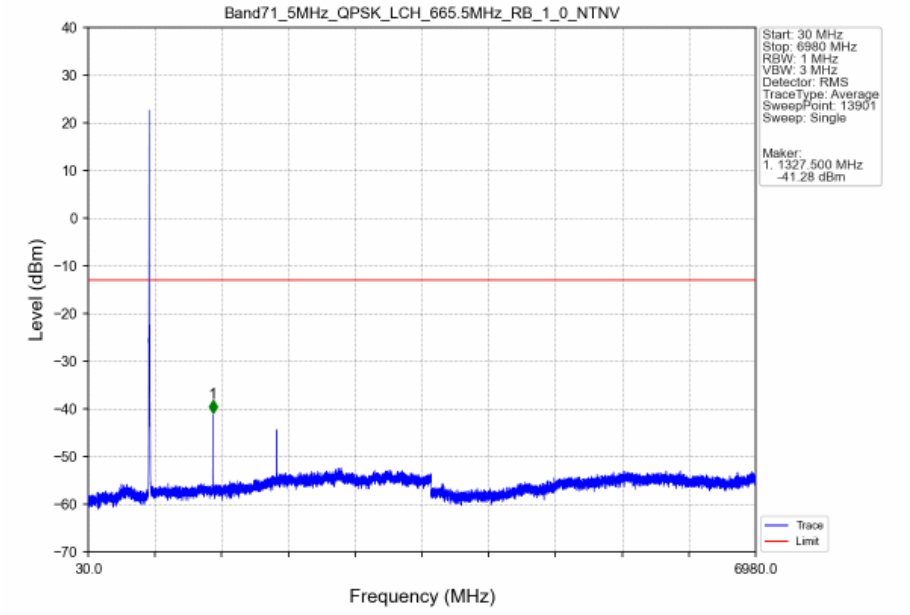
### 5.2.1 B71_5MHz

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

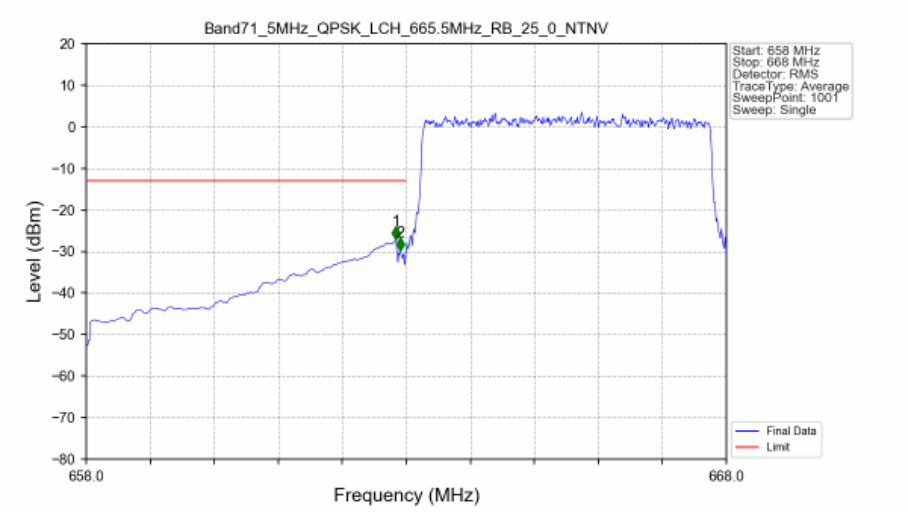



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 658 | 662.9 | 0.1 | CHP | 1 | 662.700 | -19.35 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.970 | -20.12 | -13 | Pass |
| 663 | 668 | 0.03 | / | / | / | / | / | / |

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

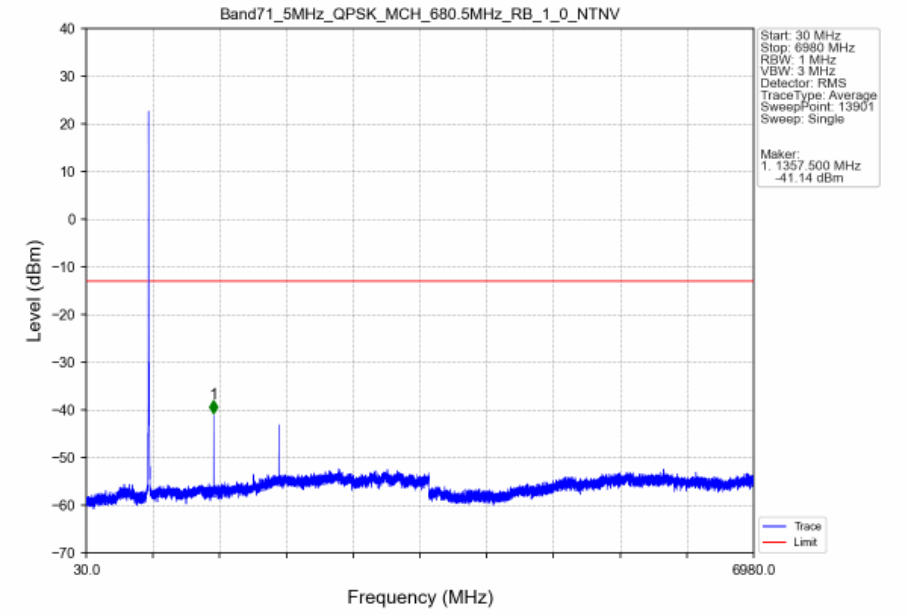


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

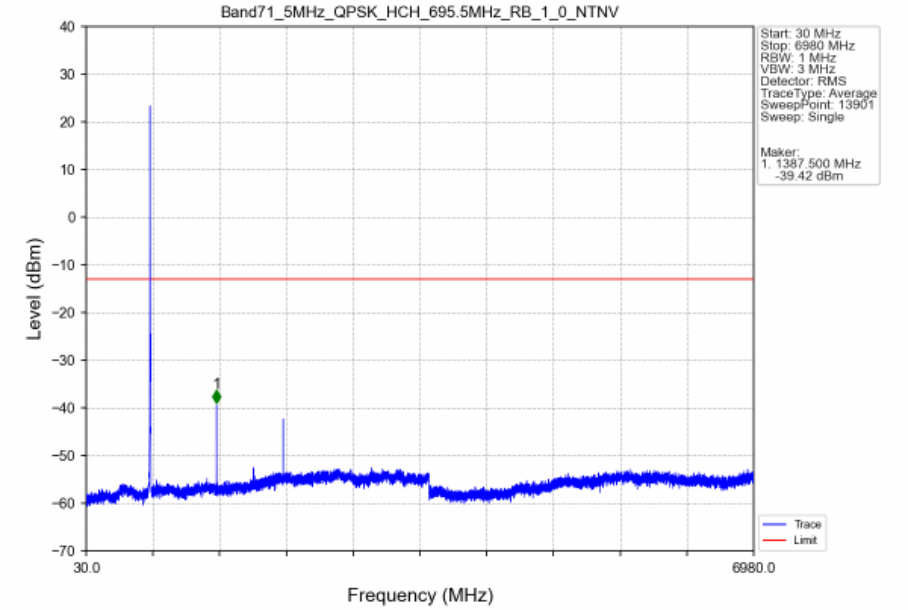



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 658 | 662.9 | 0.1 | CHP | 1 | 662.840 | -27.05 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.910 | -29.90 | -13 | Pass |
| 663 | 668 | 0.03 | / | / | / | / | / | / |

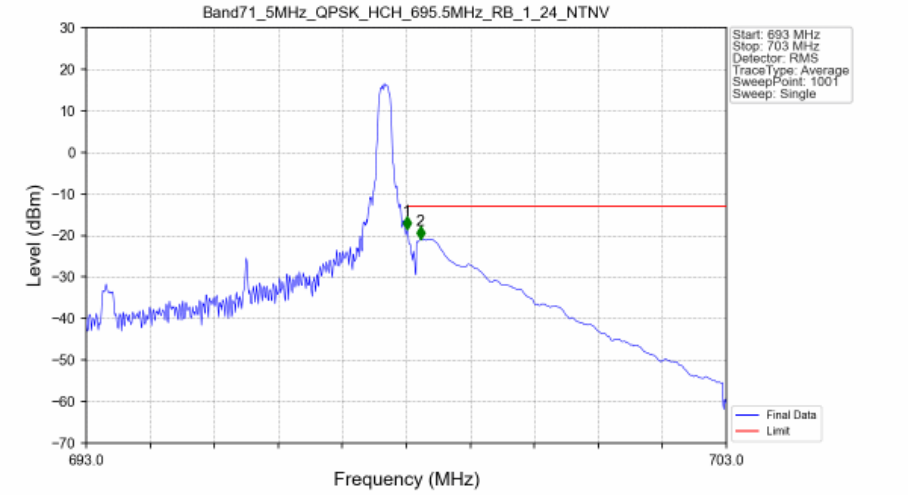
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

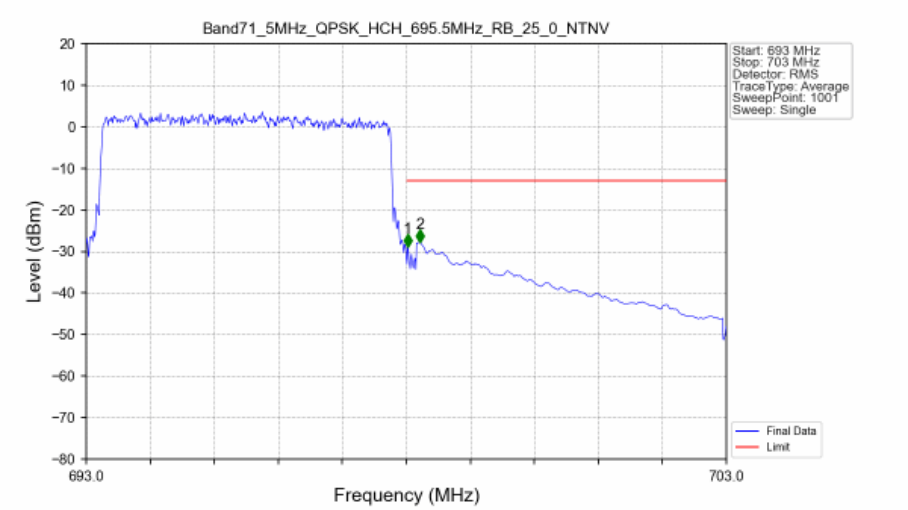



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 693 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.010 | -18.51 | -13 | Pass |
| 698.1 | 703 | 0.1 | CHP | 2 | 698.220 | -20.88 | -13 | Pass |

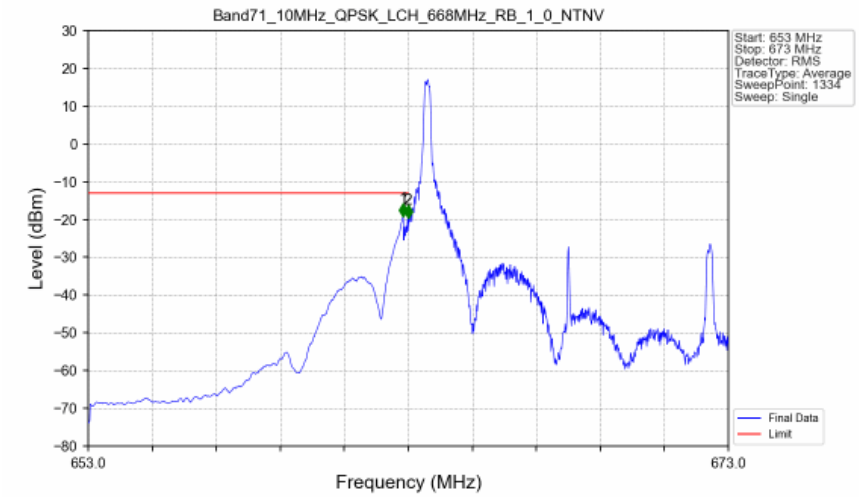
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 693 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.020 | -28.92 | -13 | Pass |
| 698.1 | 703 | 0.1 | CHP | 2 | 698.210 | -27.81 | -13 | Pass |

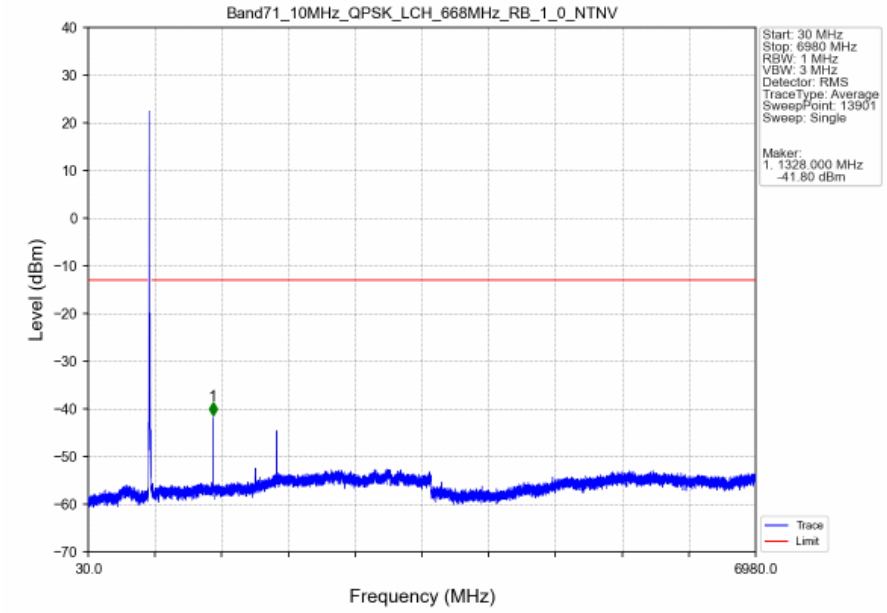
## 5.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

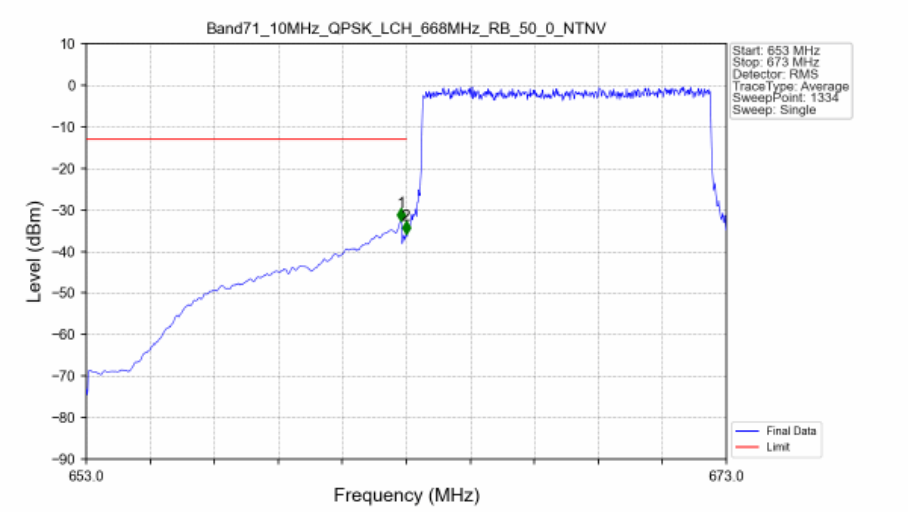



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 653 | 662.9 | 0.1 | CHP | 1 | 662.842 | -19.19 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.992 | -19.69 | -13 | Pass |
| 663 | 673 | 0.03 | / | / | / | / | / | / |

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

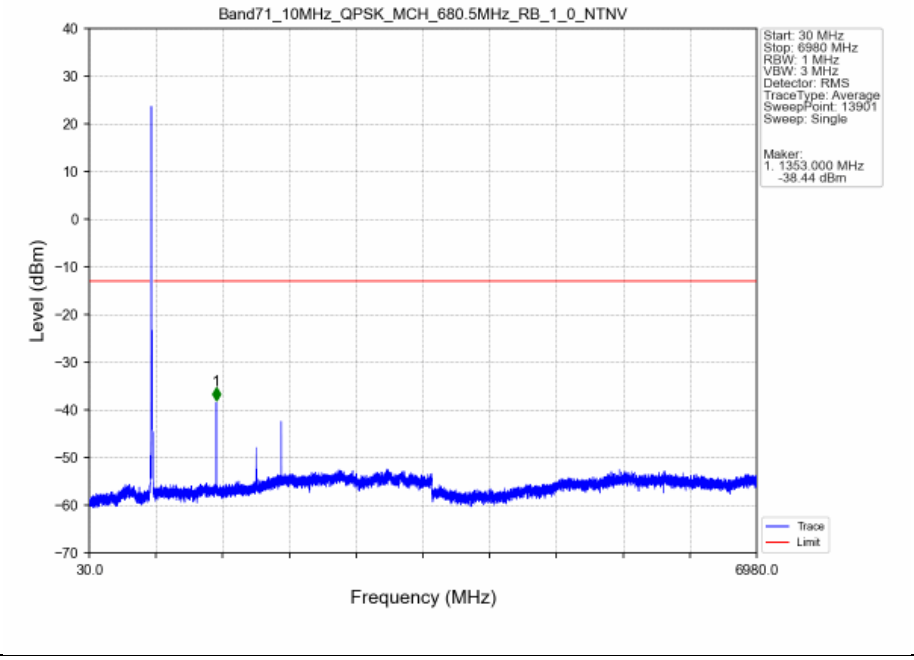


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

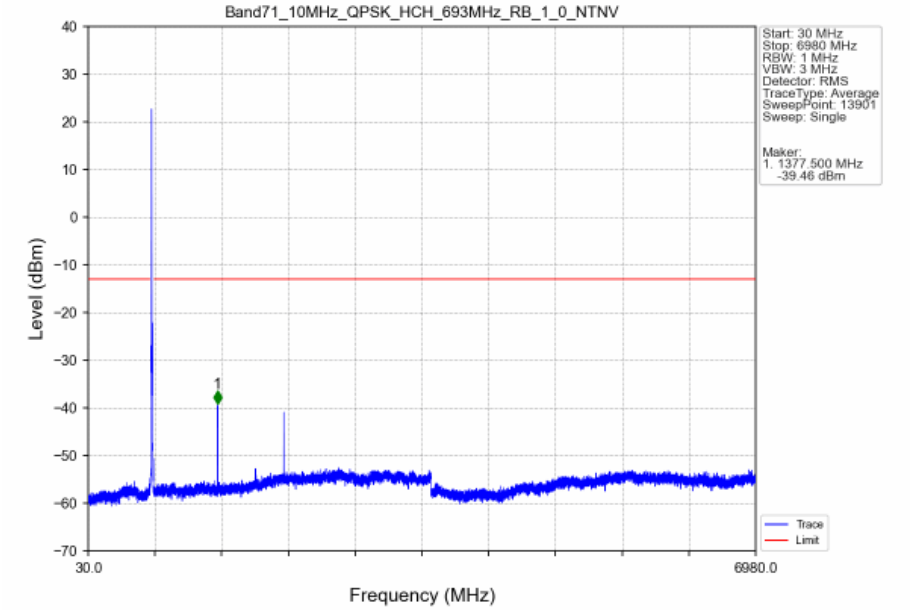



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 653 | 662.9 | 0.1 | CHP | 1 | 662.842 | -32.71 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.992 | -35.80 | -13 | Pass |
| 663 | 673 | 0.03 | / | / | / | / | / | / |

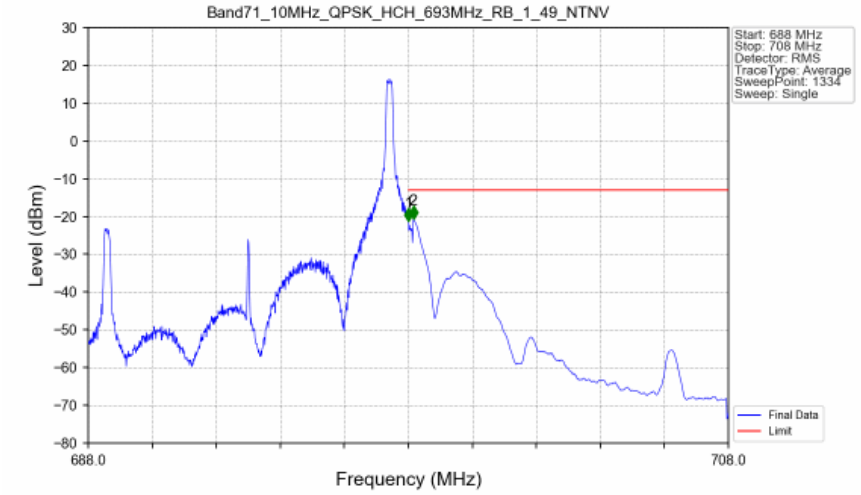
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

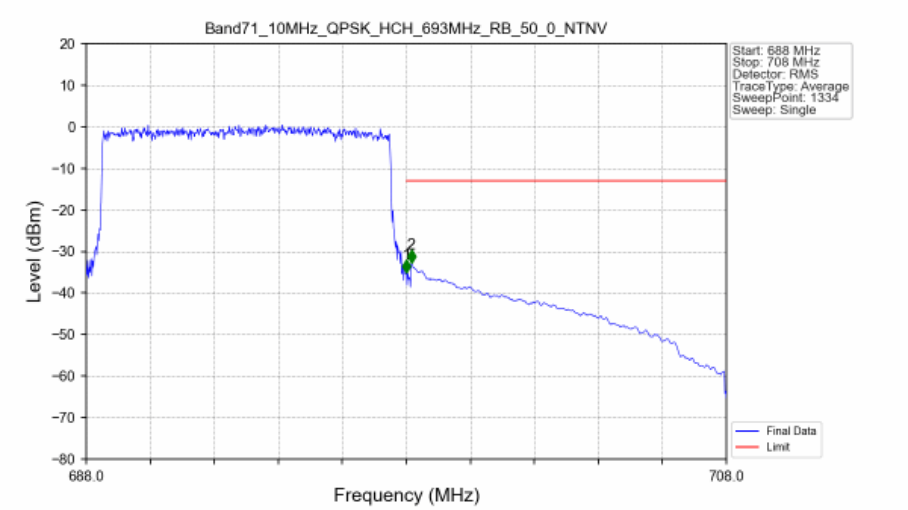



Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 688 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.008 | -21.32 | -13 | Pass |
| 698.1 | 708 | 0.1 | CHP | 2 | 698.158 | -20.61 | -13 | Pass |

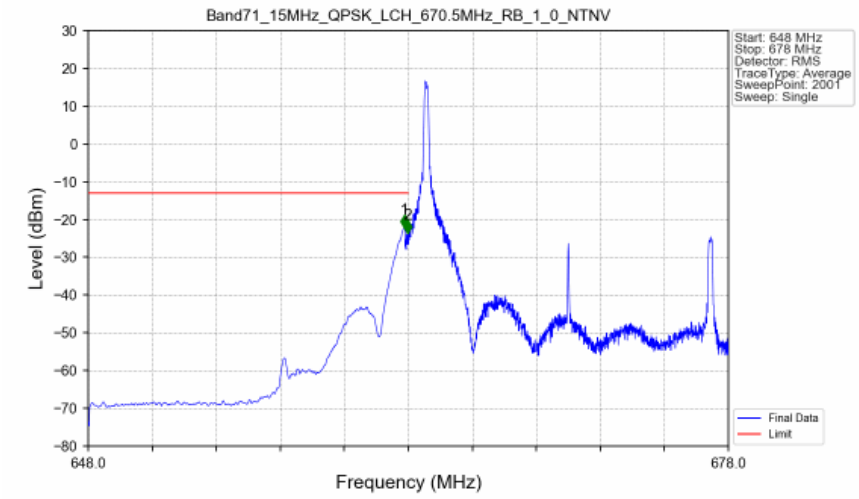
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 688 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.008 | -35.11 | -13 | Pass |
| 698.1 | 708 | 0.1 | CHP | 2 | 698.158 | -32.76 | -13 | Pass |

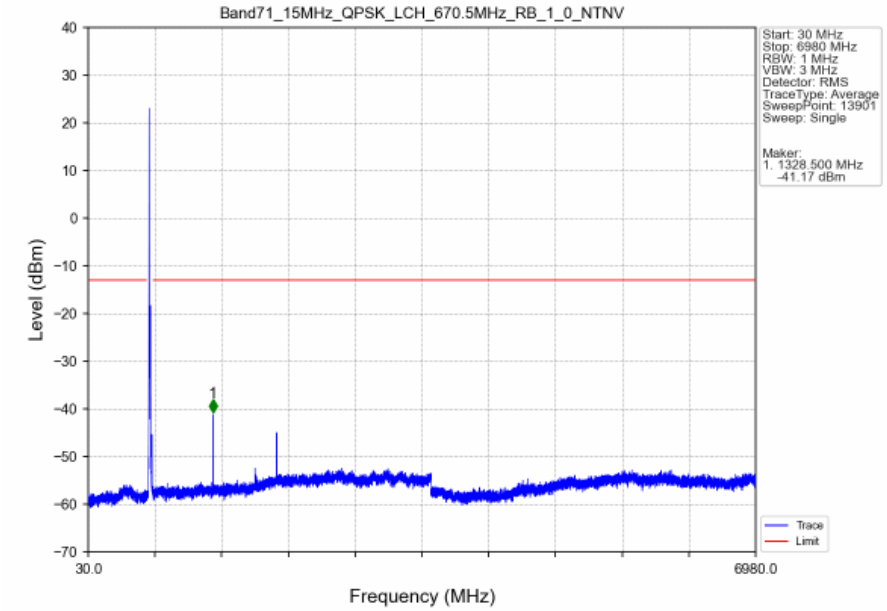
## 5.2.3 B71_15MHz

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

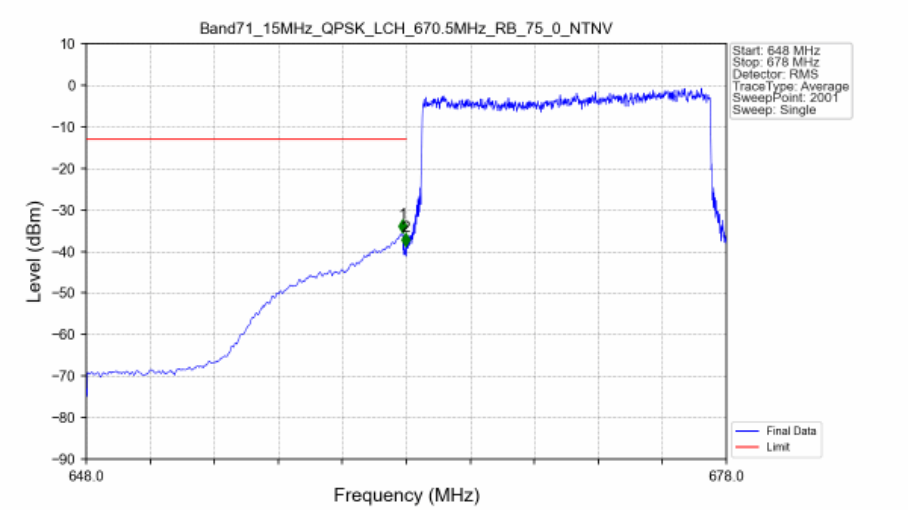



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 648 | 662.9 | 0.1 | CHP | 1 | 662.805 | -22.15 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.970 | -23.58 | -13 | Pass |
| 663 | 678 | 0.03 | / | / | / | / | / | / |

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

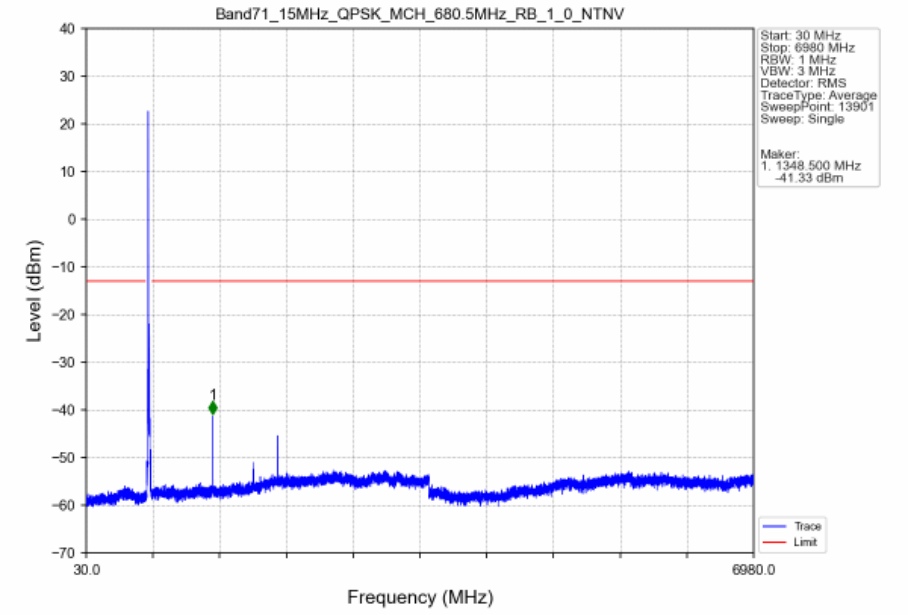


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

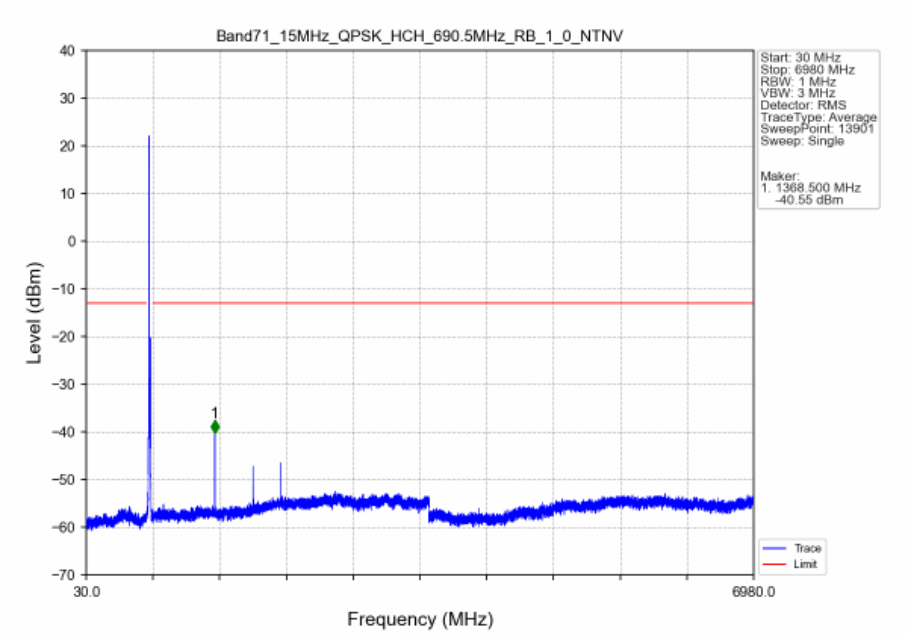



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 648 | 662.9 | 0.1 | CHP | 1 | 662.835 | -35.48 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.955 | -38.67 | -13 | Pass |
| 663 | 678 | 0.03 | / | / | / | / | / | / |

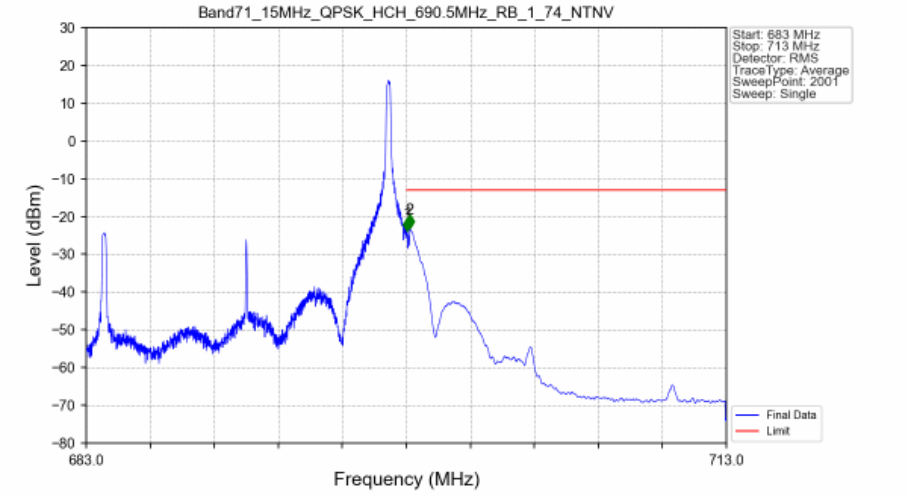
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

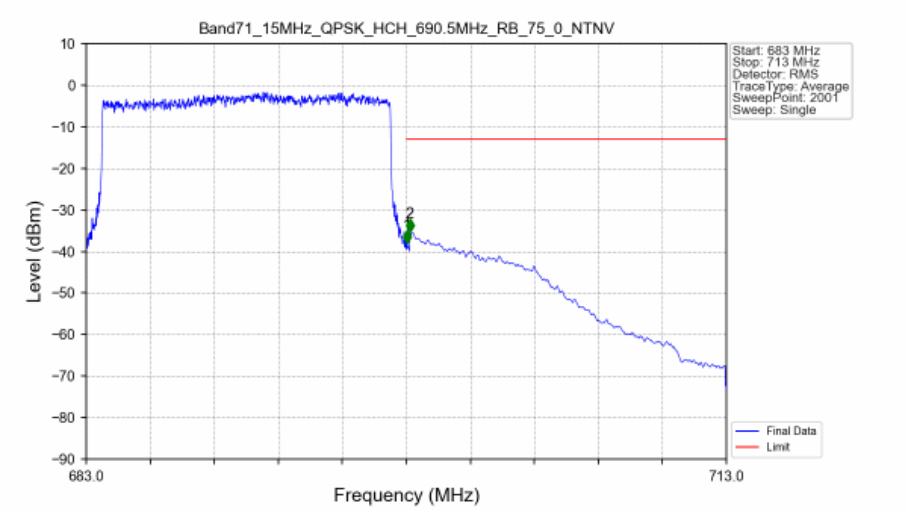



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 683 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.045 | -23.85 | -13 | Pass |
| 698.1 | 713 | 0.1 | CHP | 2 | 698.165 | -23.03 | -13 | Pass |

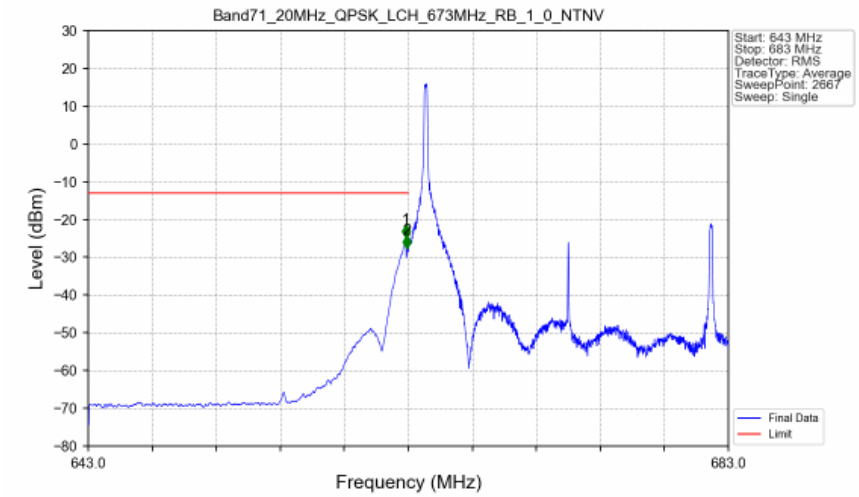
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 683 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.030 | -37.99 | -13 | Pass |
| 698.1 | 713 | 0.1 | CHP | 2 | 698.165 | -35.22 | -13 | Pass |

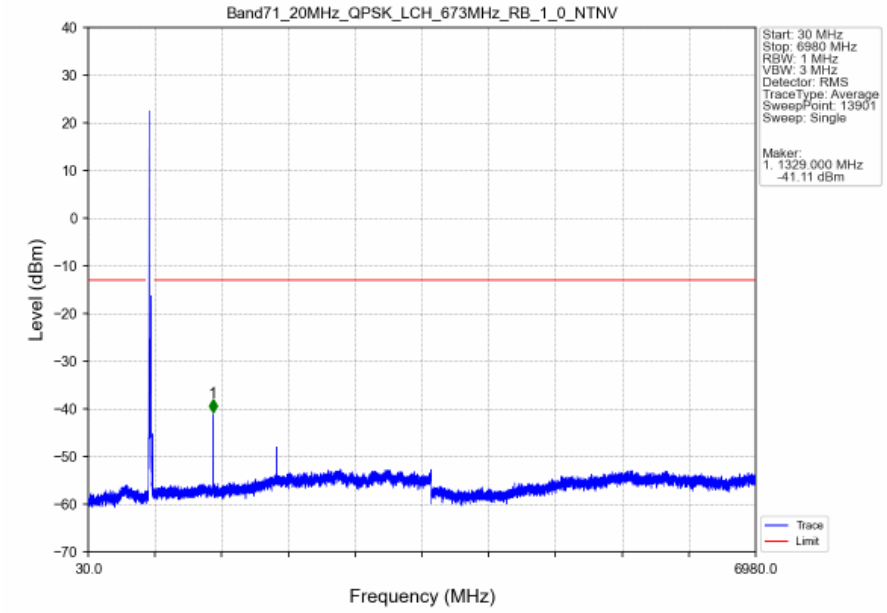
## 5.2.4 B71_20MHz

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

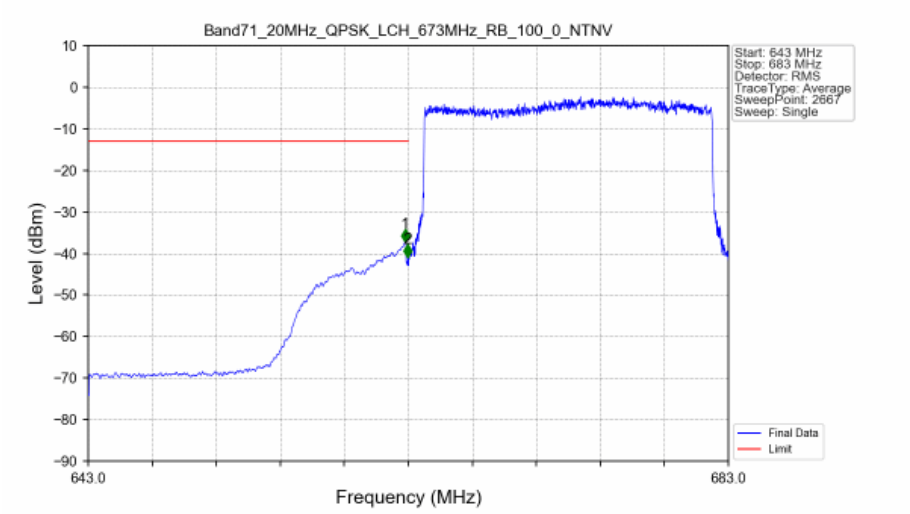



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 643 | 662.9 | 0.1 | CHP | 1 | 662.850 | -24.89 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.925 | -27.67 | -13 | Pass |
| 663 | 683 | 0.03 | / | / | / | / | / | / |

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

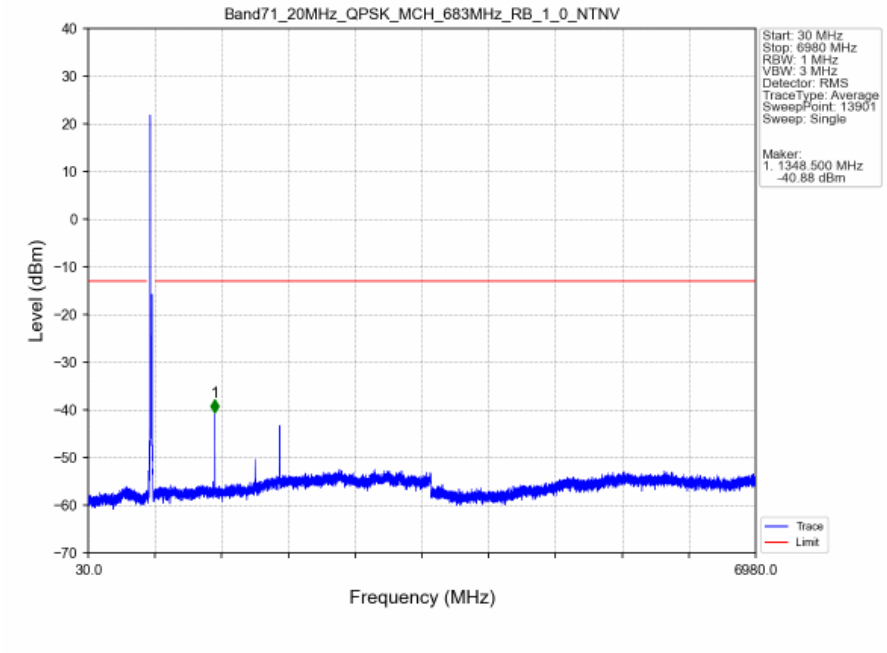


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

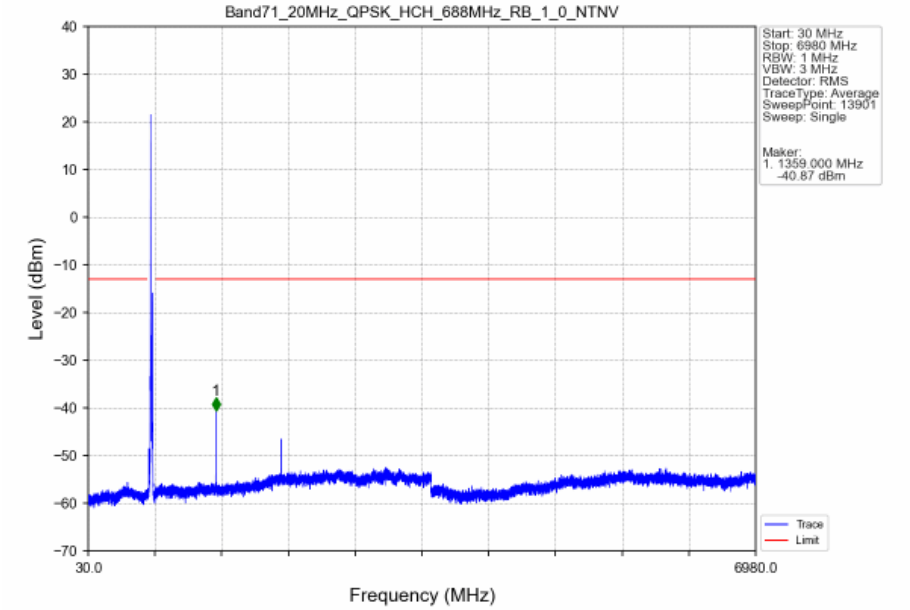



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 643 | 662.9 | 0.1 | CHP | 1 | 662.805 | -37.30 | -13 | Pass |
| 662.9 | 663 | 0.03 | / | 2 | 662.970 | -40.97 | -13 | Pass |
| 663 | 683 | 0.03 | / | / | / | / | / | / |

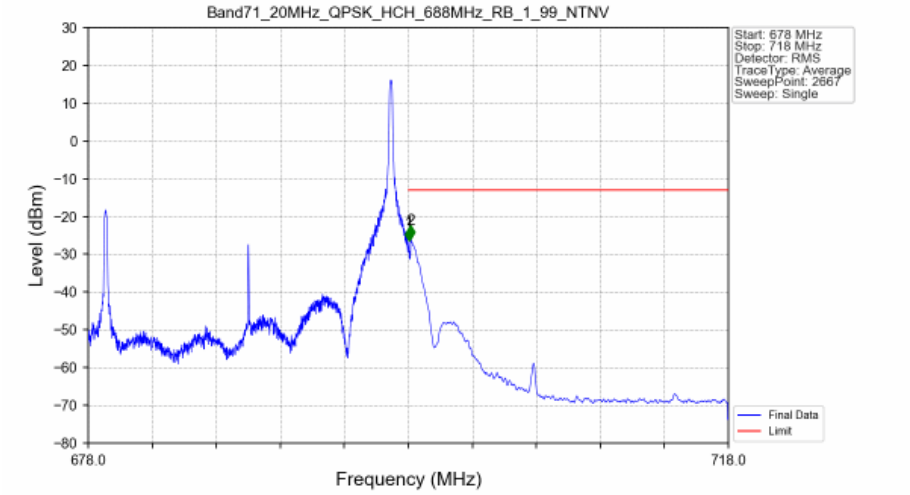
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

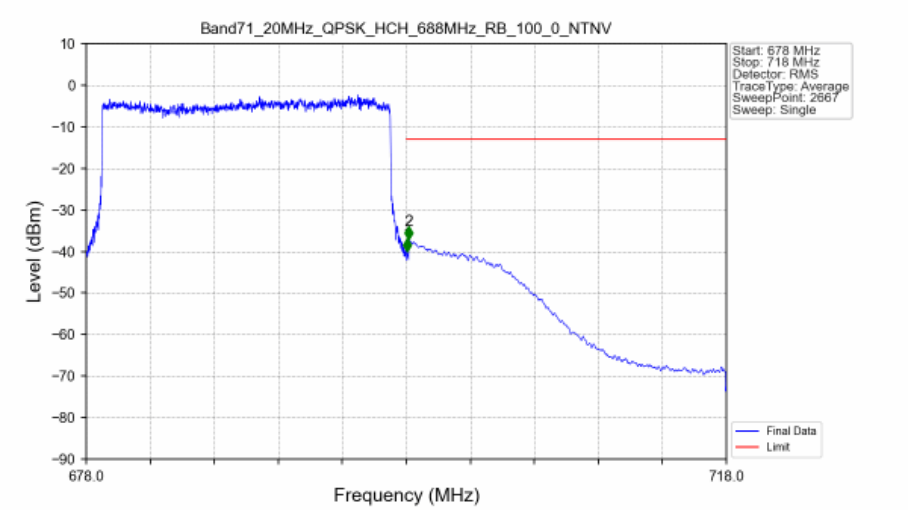



Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 678 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.030 | -26.37 | -13 | Pass |
| 698.1 | 718 | 0.1 | CHP | 2 | 698.150 | -25.76 | -13 | Pass |

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 678 | 698 | 0.03 | / | / | / | / | / | / |
| 698 | 698.1 | 0.03 | / | 1 | 698.060 | -40.09 | -13 | Pass |
| 698.1 | 718 | 0.1 | CHP | 2 | 698.150 | -37.20 | -13 | Pass |

- End of the Appendix -