# 1. Transmitter Conducted Power Output

## 1.1 Test Result

### 1.1.1 B26a_1.4MHz_ERP

| Band: 26a / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 814.7 | 1 | 0 | 24.30 | <=50 | Pass |
| | | | 2 | 24.37 | <=50 | Pass |
| | | | 5 | 24.65 | <=50 | Pass |
| | | 3 | 0 | 24.36 | <=50 | Pass |
| | | | 2 | 24.45 | <=50 | Pass |
| | | | 3 | 24.58 | <=50 | Pass |
| | | 6 | 0 | 24.34 | <=50 | Pass |
| | 819 | 1 | 0 | 24.47 | <=50 | Pass |
| | | | 2 | 24.35 | <=50 | Pass |
| | | | 5 | 24.07 | <=50 | Pass |
| | | 3 | 0 | 24.83 | <=50 | Pass |
| | | | 2 | 24.46 | <=50 | Pass |
| | | | 3 | 24.30 | <=50 | Pass |
| | | 6 | 0 | 23.80 | <=50 | Pass |
| | 823.3 | 1 | 0 | 24.54 | <=50 | Pass |
| | | | 2 | 24.59 | <=50 | Pass |
| | | | 5 | 24.25 | <=50 | Pass |
| | | 3 | 0 | 24.12 | <=50 | Pass |
| | | | 2 | 24.55 | <=50 | Pass |
| | | | 3 | 24.84 | <=50 | Pass |
| | | 6 | 0 | 23.84 | <=50 | Pass |
| 16QAM | 814.7 | 1 | 0 | 24.54 | <=50 | Pass |
| | | | 2 | 23.78 | <=50 | Pass |
| | | | 5 | 23.13 | <=50 | Pass |
| | | 3 | 0 | 23.95 | <=50 | Pass |
| | | | 2 | 23.46 | <=50 | Pass |
| | | | 3 | 23.34 | <=50 | Pass |
| | | 6 | 0 | 22.83 | <=50 | Pass |
| | 819 | 1 | 0 | 24.04 | <=50 | Pass |
| | | | 2 | 24.33 | <=50 | Pass |
| | | | 5 | 23.93 | <=50 | Pass |
| | | 3 | 0 | 24.04 | <=50 | Pass |
| | | | 2 | 23.50 | <=50 | Pass |
| | | | 3 | 23.78 | <=50 | Pass |
| | | 6 | 0 | 22.83 | <=50 | Pass |
| | 823.3 | 1 | 0 | 23.89 | <=50 | Pass |
| | | | 2 | 23.76 | <=50 | Pass |
| | | | 5 | 23.78 | <=50 | Pass |
| | | 3 | 0 | 23.98 | <=50 | Pass |
| | | | 2 | 23.97 | <=50 | Pass |
| | | | 3 | 23.76 | <=50 | Pass |
| | | 6 | 0 | 22.87 | <=50 | Pass |
| 64QAM | 814.7 | 1 | 0 | 23.51 | <=50 | Pass |
| | | | 2 | 23.84 | <=50 | Pass |
| | | | 5 | 23.68 | <=50 | Pass |
| | | 3 | 0 | 23.62 | <=50 | Pass |
| | | | 2 | 23.44 | <=50 | Pass |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 3 | 23.82 | <=50 | Pass |
| | | 6 | 0 | 22.53 | <=50 | Pass |
| | 819 | 1 | 0 | 23.84 | <=50 | Pass |
| | | | 2 | 23.78 | <=50 | Pass |
| | | | 5 | 23.41 | <=50 | Pass |
| | | 3 | 0 | 23.53 | <=50 | Pass |
| | | | 2 | 23.67 | <=50 | Pass |
| | | | 3 | 23.85 | <=50 | Pass |
| | | 6 | 0 | 22.90 | <=50 | Pass |
| | 823.3 | 1 | 0 | 23.39 | <=50 | Pass |
| | | | 2 | 23.64 | <=50 | Pass |
| | | | 5 | 23.78 | <=50 | Pass |
| | | 3 | 0 | 23.22 | <=50 | Pass |
| | | | 2 | 23.78 | <=50 | Pass |
| | | | 3 | 23.42 | <=50 | Pass |
| | | 6 | 0 | 22.46 | <=50 | Pass |

## 1.1.2 B26a_3MHz_ERP

| Band: 26a / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 815.5 | 1 | 0 | 24.80 | <=50 | Pass |
| | | | 7 | 24.91 | <=50 | Pass |
| | | | 14 | 24.68 | <=50 | Pass |
| | | 8 | 0 | 23.99 | <=50 | Pass |
| | | | 4 | 23.85 | <=50 | Pass |
| | | | 7 | 23.59 | <=50 | Pass |
| | | 15 | 0 | 23.85 | <=50 | Pass |
| | 819 | 1 | 0 | 24.09 | <=50 | Pass |
| | | | 7 | 24.32 | <=50 | Pass |
| | | | 14 | 24.16 | <=50 | Pass |
| | | 8 | 0 | 23.77 | <=50 | Pass |
| | | | 4 | 23.59 | <=50 | Pass |
| | | | 7 | 23.86 | <=50 | Pass |
| | | 15 | 0 | 23.90 | <=50 | Pass |
| | 822.5 | 1 | 0 | 24.34 | <=50 | Pass |
| | | | 7 | 24.22 | <=50 | Pass |
| | | | 14 | 24.78 | <=50 | Pass |
| | | 8 | 0 | 23.91 | <=50 | Pass |
| | | | 4 | 23.91 | <=50 | Pass |
| | | | 7 | 23.80 | <=50 | Pass |
| | | 15 | 0 | 23.50 | <=50 | Pass |
| 16QAM | 815.5 | 1 | 0 | 24.37 | <=50 | Pass |
| | | | 7 | 23.64 | <=50 | Pass |
| | | | 14 | 24.07 | <=50 | Pass |
| | | 8 | 0 | 22.96 | <=50 | Pass |
| | | | 4 | 22.60 | <=50 | Pass |
| | | | 7 | 22.78 | <=50 | Pass |
| | | 15 | 0 | 22.94 | <=50 | Pass |
| | 819 | 1 | 0 | 24.65 | <=50 | Pass |
| | | | 7 | 24.01 | <=50 | Pass |
| | | | 14 | 23.45 | <=50 | Pass |
| | | 8 | 0 | 22.88 | <=50 | Pass |
| | | | 4 | 22.97 | <=50 | Pass |
| | | | 7 | 22.86 | <=50 | Pass |
| | | 15 | 0 | 22.92 | <=50 | Pass |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 822.5 | 1 | 0 | 23.75 | <=50 | Pass |
| | | | 7 | 23.87 | <=50 | Pass |
| | | | 14 | 23.80 | <=50 | Pass |
| | | 8 | 0 | 22.97 | <=50 | Pass |
| | | | 4 | 22.45 | <=50 | Pass |
| | | | 7 | 22.94 | <=50 | Pass |
| | | 15 | 0 | 22.92 | <=50 | Pass |
| 64QAM | 815.5 | 1 | 0 | 23.29 | <=50 | Pass |
| | | | 7 | 23.73 | <=50 | Pass |
| | | | 14 | 22.81 | <=50 | Pass |
| | | 8 | 0 | 22.93 | <=50 | Pass |
| | | | 4 | 23.44 | <=50 | Pass |
| | | | 7 | 22.87 | <=50 | Pass |
| | | 15 | 0 | 22.50 | <=50 | Pass |
| | 819 | 1 | 0 | 23.86 | <=50 | Pass |
| | | | 7 | 23.75 | <=50 | Pass |
| | | | 14 | 23.72 | <=50 | Pass |
| | | 8 | 0 | 22.82 | <=50 | Pass |
| | | | 4 | 22.97 | <=50 | Pass |
| | | | 7 | 22.97 | <=50 | Pass |
| | | 15 | 0 | 22.79 | <=50 | Pass |
| | 822.5 | 1 | 0 | 23.91 | <=50 | Pass |
| | | | 7 | 23.16 | <=50 | Pass |
| | | | 14 | 23.38 | <=50 | Pass |
| | | 8 | 0 | 22.83 | <=50 | Pass |
| | | | 4 | 22.96 | <=50 | Pass |
| | | | 7 | 22.83 | <=50 | Pass |
| | | 15 | 0 | 22.60 | <=50 | Pass |

### 1.1.3 B26a_5MHz_ERP

| Band: 26a / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 816.5 | 1 | 0 | 24.75 | <=50 | Pass |
| | | | 13 | 24.96 | <=50 | Pass |
| | | | 24 | 23.49 | <=50 | Pass |
| | | 12 | 0 | 23.80 | <=50 | Pass |
| | | | 6 | 23.91 | <=50 | Pass |
| | | | 13 | 23.48 | <=50 | Pass |
| | | 25 | 0 | 23.89 | <=50 | Pass |
| | 819 | 1 | 0 | 24.90 | <=50 | Pass |
| | | | 13 | 24.18 | <=50 | Pass |
| | | | 24 | 24.30 | <=50 | Pass |
| | | 12 | 0 | 23.90 | <=50 | Pass |
| | | | 6 | 23.59 | <=50 | Pass |
| | | | 13 | 23.98 | <=50 | Pass |
| | | 25 | 0 | 23.82 | <=50 | Pass |
| | 821.5 | 1 | 0 | 24.83 | <=50 | Pass |
| | | | 13 | 24.30 | <=50 | Pass |
| | | | 24 | 24.45 | <=50 | Pass |
| | | 12 | 0 | 23.73 | <=50 | Pass |
| | | | 6 | 23.81 | <=50 | Pass |
| | | | 13 | 23.78 | <=50 | Pass |
| | | 25 | 0 | 23.91 | <=50 | Pass |
| 16QAM | 816.5 | 1 | 0 | 23.58 | <=50 | Pass |
| | | | 13 | 23.85 | <=50 | Pass |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 24 | 24.01 | <=50 | Pass |
| | | 12 | 0 | 22.95 | <=50 | Pass |
| | | | 6 | 22.55 | <=50 | Pass |
| | | | 13 | 22.83 | <=50 | Pass |
| | | 25 | 0 | 22.85 | <=50 | Pass |
| | 819 | 1 | 0 | 23.86 | <=50 | Pass |
| | | | 13 | 24.01 | <=50 | Pass |
| | | | 24 | 23.98 | <=50 | Pass |
| | | 12 | 0 | 22.83 | <=50 | Pass |
| | | | 6 | 22.95 | <=50 | Pass |
| | | | 13 | 22.85 | <=50 | Pass |
| | | 25 | 0 | 22.92 | <=50 | Pass |
| | 821.5 | 1 | 0 | 23.99 | <=50 | Pass |
| | | | 13 | 24.21 | <=50 | Pass |
| | | | 24 | 23.61 | <=50 | Pass |
| | | 12 | 0 | 22.81 | <=50 | Pass |
| | | | 6 | 22.94 | <=50 | Pass |
| | | | 13 | 22.81 | <=50 | Pass |
| | | 25 | 0 | 23.00 | <=50 | Pass |
| 64QAM | 816.5 | 1 | 0 | 23.86 | <=50 | Pass |
| | | | 13 | 23.42 | <=50 | Pass |
| | | | 24 | 23.60 | <=50 | Pass |
| | | 12 | 0 | 22.51 | <=50 | Pass |
| | | | 6 | 22.88 | <=50 | Pass |
| | | | 13 | 22.37 | <=50 | Pass |
| | | 25 | 0 | 22.85 | <=50 | Pass |
| | 819 | 1 | 0 | 23.66 | <=50 | Pass |
| | | | 13 | 22.96 | <=50 | Pass |
| | | | 24 | 22.75 | <=50 | Pass |
| | | 12 | 0 | 21.79 | <=50 | Pass |
| | | | 6 | 21.94 | <=50 | Pass |
| | | | 13 | 21.84 | <=50 | Pass |
| | | 25 | 0 | 21.82 | <=50 | Pass |
| | 821.5 | 1 | 0 | 23.14 | <=50 | Pass |
| | | | 13 | 22.26 | <=50 | Pass |
| | | | 24 | 22.50 | <=50 | Pass |
| | | 12 | 0 | 21.84 | <=50 | Pass |
| | | | 6 | 21.88 | <=50 | Pass |
| | | | 13 | 21.70 | <=50 | Pass |
| | | 25 | 0 | 21.88 | <=50 | Pass |

### 1.1.4 B26a_10MHz_ERP

| Band: 26a / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 819 | 1 | 0 | 24.90 | <=50 | Pass |
| | | | 25 | 24.59 | <=50 | Pass |
| | | | 49 | 24.15 | <=50 | Pass |
| | | 25 | 0 | 23.73 | <=50 | Pass |
| | | | 13 | 23.94 | <=50 | Pass |
| | | | 25 | 23.81 | <=50 | Pass |
| | | 50 | 0 | 23.89 | <=50 | Pass |
| 16QAM | 819 | 1 | 0 | 23.72 | <=50 | Pass |
| | | | 25 | 23.67 | <=50 | Pass |
| | | | 49 | 23.57 | <=50 | Pass |
| | | 25 | 0 | 22.20 | <=50 | Pass |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 13 | 22.98 | <=50 | Pass |
| | | | 25 | 22.83 | <=50 | Pass |
| | | 50 | 0 | 22.94 | <=50 | Pass |
| 64QAM | 819 | 1 | 0 | 22.40 | <=50 | Pass |
| | | | 25 | 22.80 | <=50 | Pass |
| | | | 49 | 22.86 | <=50 | Pass |
| | | 25 | 0 | 21.84 | <=50 | Pass |
| | | | 13 | 21.92 | <=50 | Pass |
| | | | 25 | 21.91 | <=50 | Pass |
| | | 50 | 0 | 21.90 | <=50 | Pass |

# 2. Frequency Stability

## 2.1 Test Result

### 2.1.1 B26a_10MHz

| Band: 26a / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 819 | 50 | 0 | 20 | LV | -2.200 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | | HV | -1.500 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | | NV | -1.800 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | NV | -1.900 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -20 | NV | -1.600 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -10 | NV | -1.200 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 0 | NV | -2.500 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 10 | NV | -0.800 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | NV | -1.700 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | NV | -0.900 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | NV | -1.900 | -0.0023 | -2.5 to 2.5 | Pass |

# 3. 99% & 26dB Bandwidth

## 3.1 Test Result

### 3.1.1 Band26a_OBW

| Band: 26a / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 819 | 6 | 0 | 1.128 | / | Pass |
| | 16QAM | 819 | 6 | 0 | 1.130 | / | Pass |
| 3 | QPSK | 819 | 15 | 0 | 2.741 | / | Pass |
| | 16QAM | 819 | 15 | 0 | 2.753 | / | Pass |
| 5 | QPSK | 819 | 25 | 0 | 4.574 | / | Pass |
| | 16QAM | 819 | 25 | 0 | 4.555 | / | Pass |
| 10 | QPSK | 819 | 50 | 0 | 9.073 | / | Pass |
| | 16QAM | 819 | 50 | 0 | 9.065 | / | Pass |

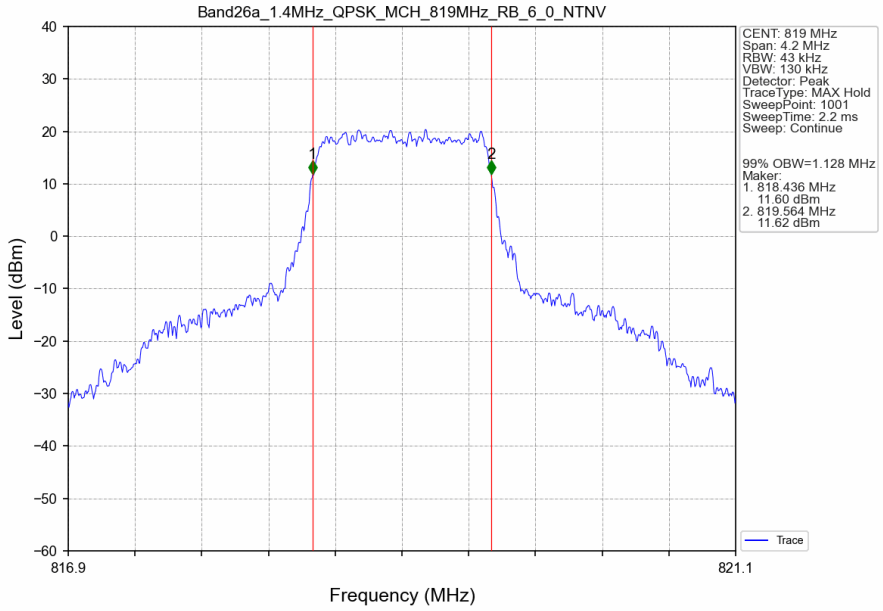
### 3.1.2 Band26a_XDB

| Band: 26a / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 819 | 6 | 0 | 1.419 | / | Pass |
| | 16QAM | 819 | 6 | 0 | 1.415 | / | Pass |
| 3 | QPSK | 819 | 15 | 0 | 3.130 | / | Pass |
| | 16QAM | 819 | 15 | 0 | 3.101 | / | Pass |
| 5 | QPSK | 819 | 25 | 0 | 5.277 | / | Pass |
| | 16QAM | 819 | 25 | 0 | 5.252 | / | Pass |
| 10 | QPSK | 819 | 50 | 0 | 10.257 | / | Pass |
| | 16QAM | 819 | 50 | 0 | 10.128 | / | Pass |

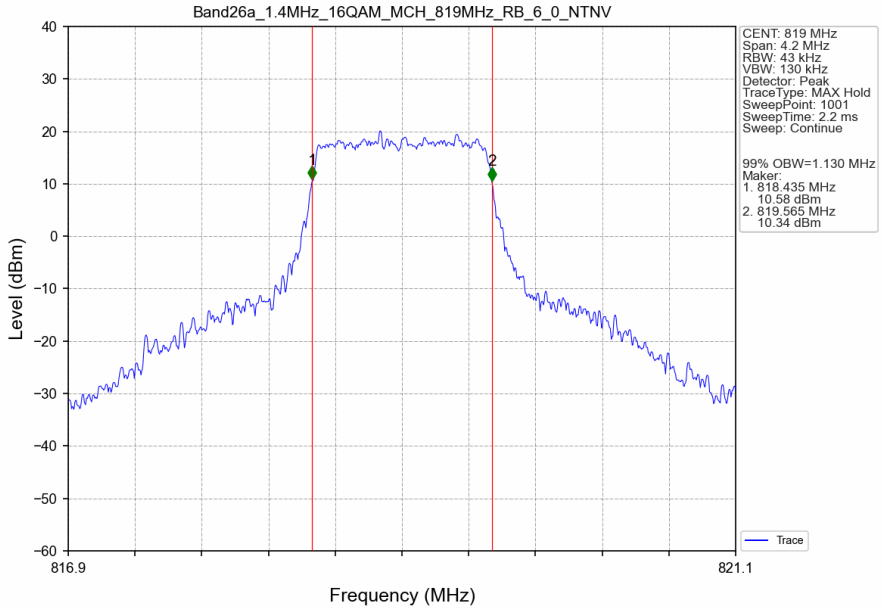
## 3.2 Test Graph

### 3.2.1 Band26a_OBW

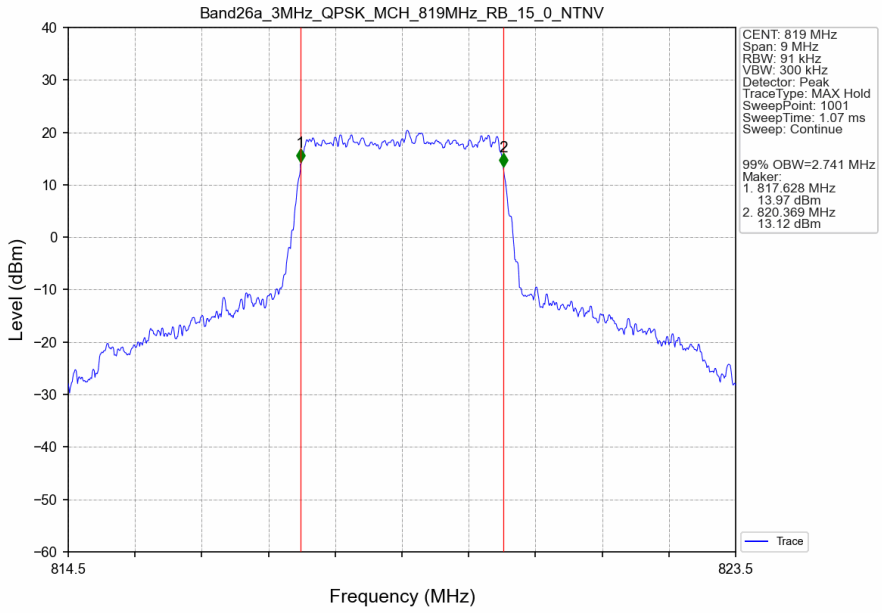
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



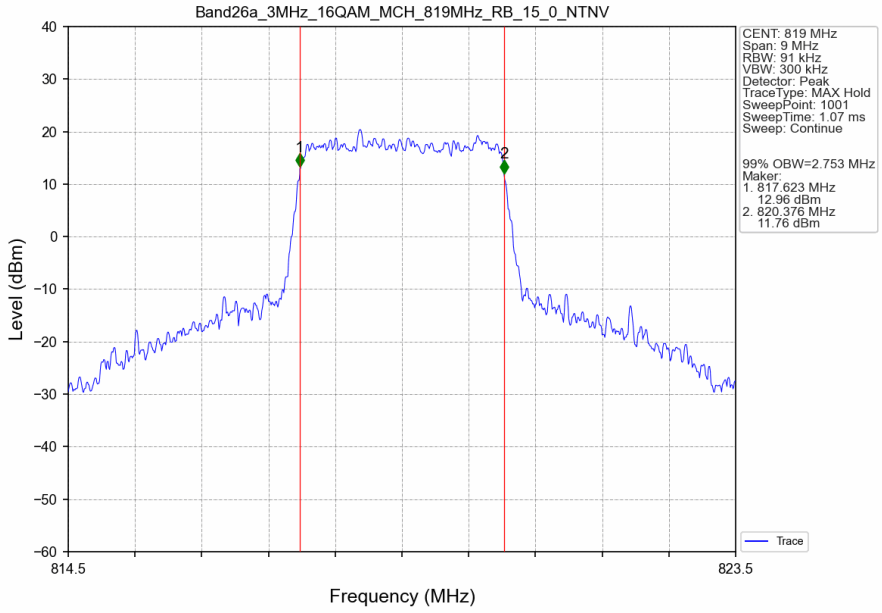

Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



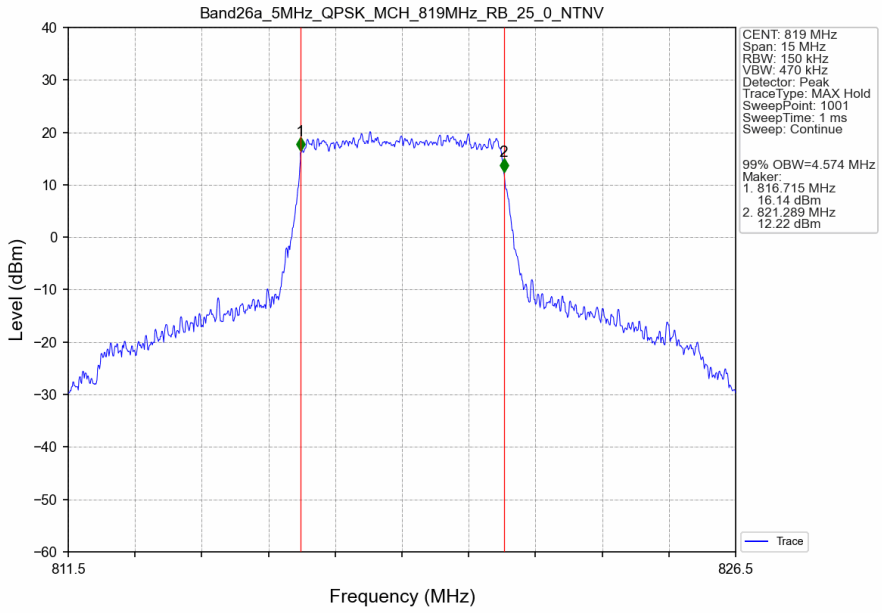
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



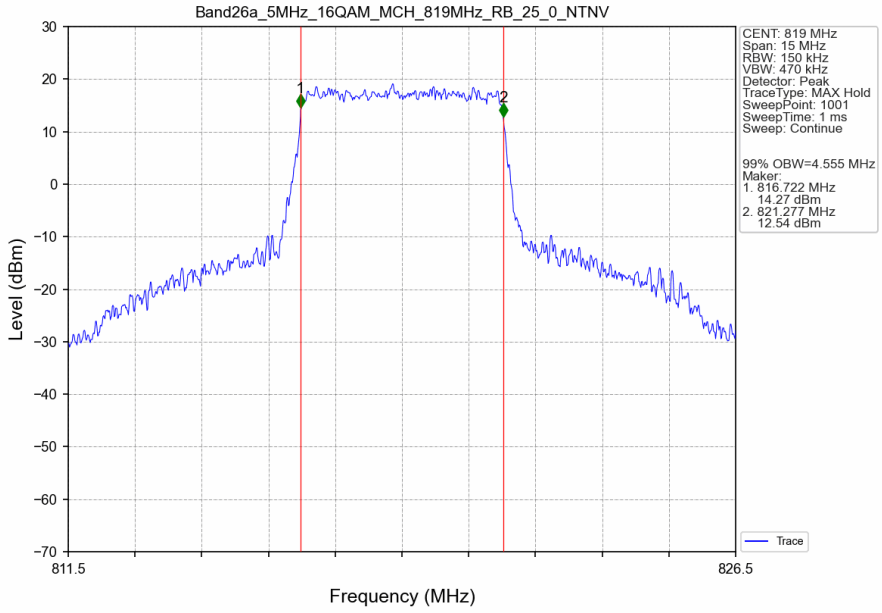

Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



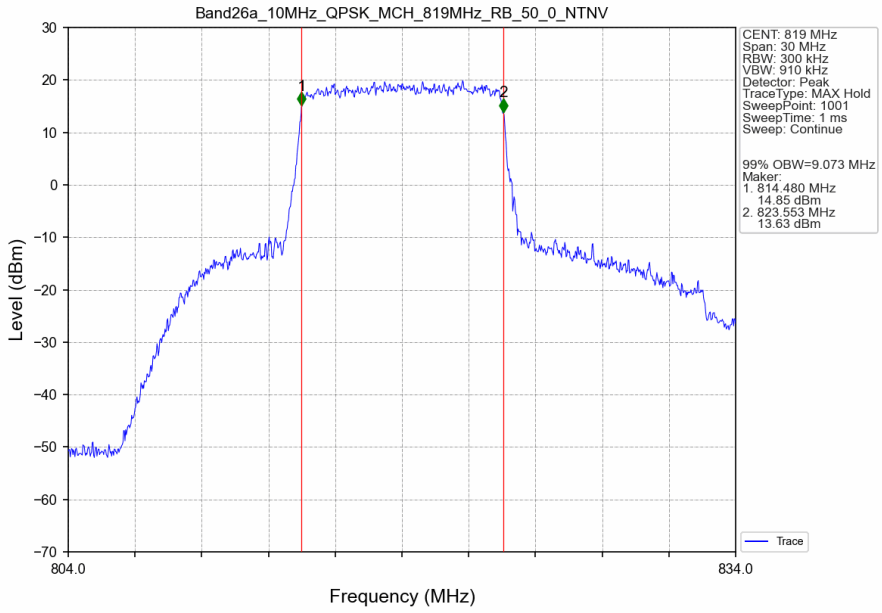
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



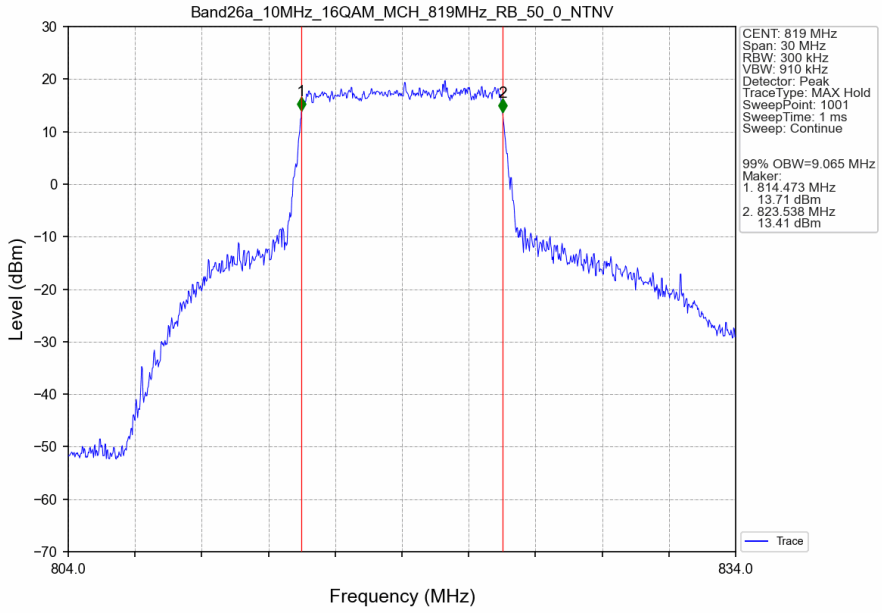

Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

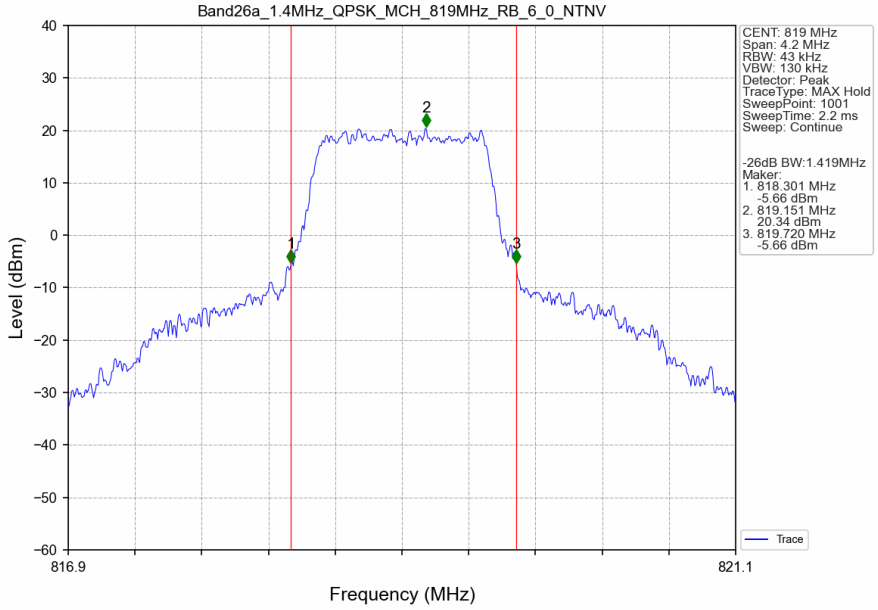



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV

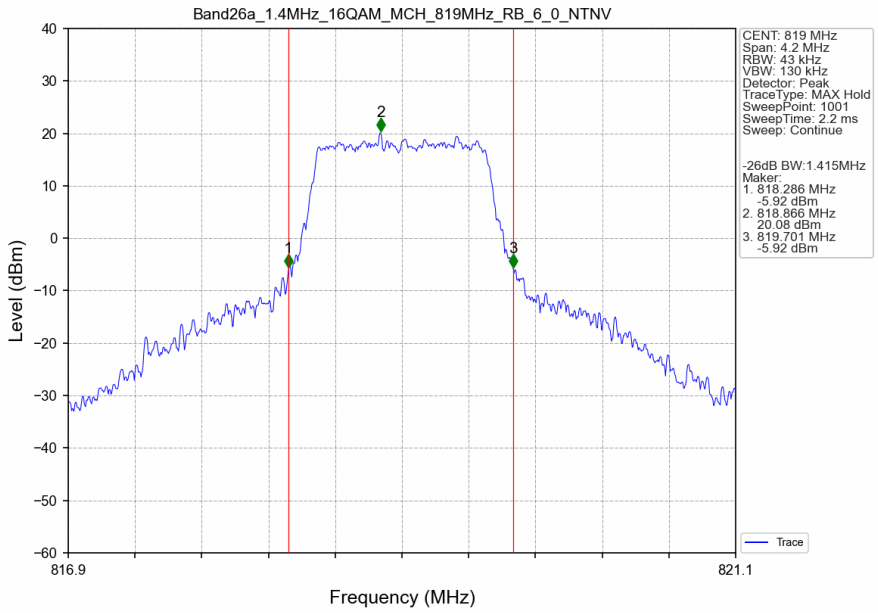


## 3.2.2 Band26a_XDB

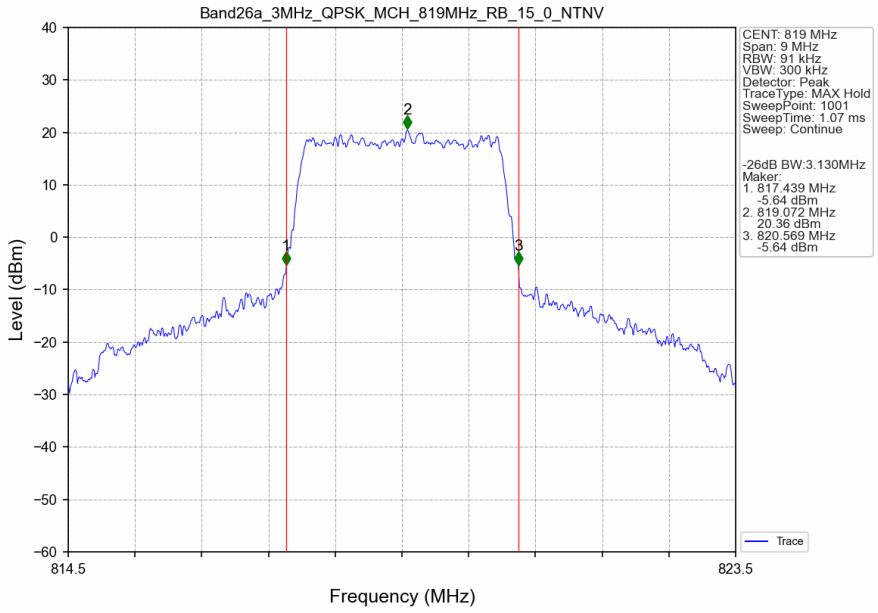
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



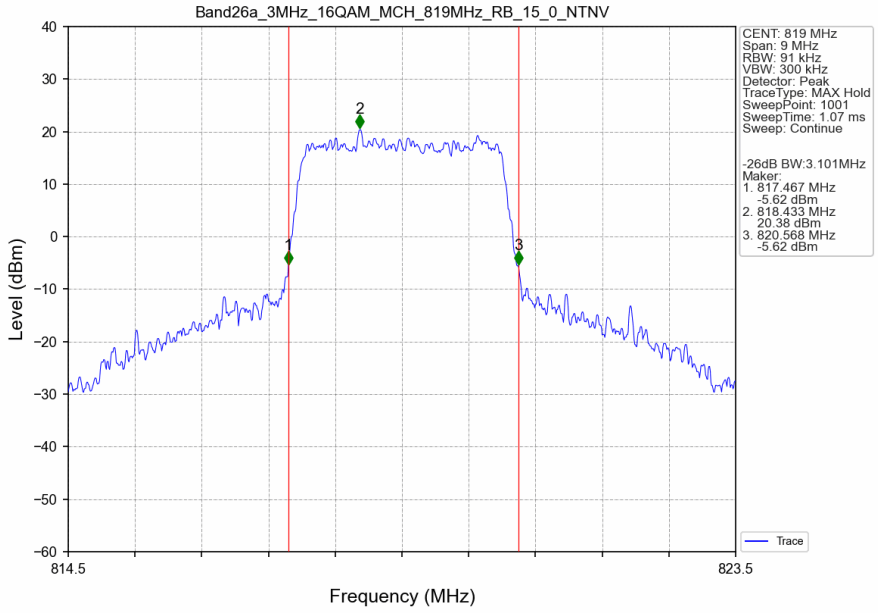

Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

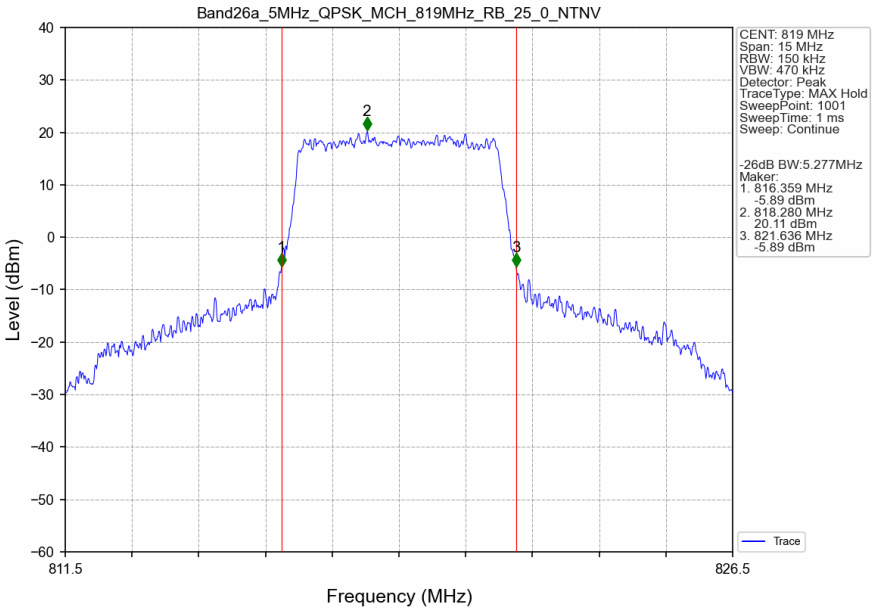


Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV

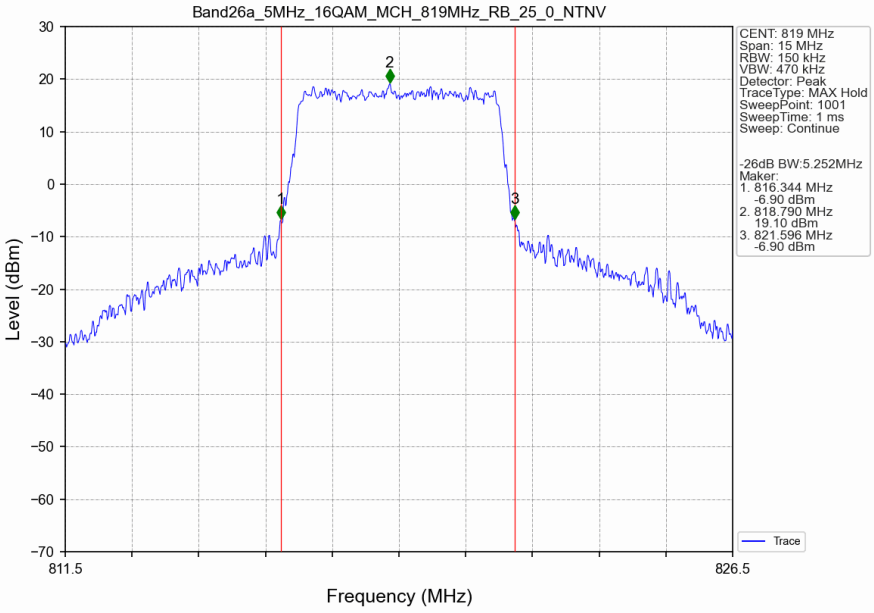



Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV

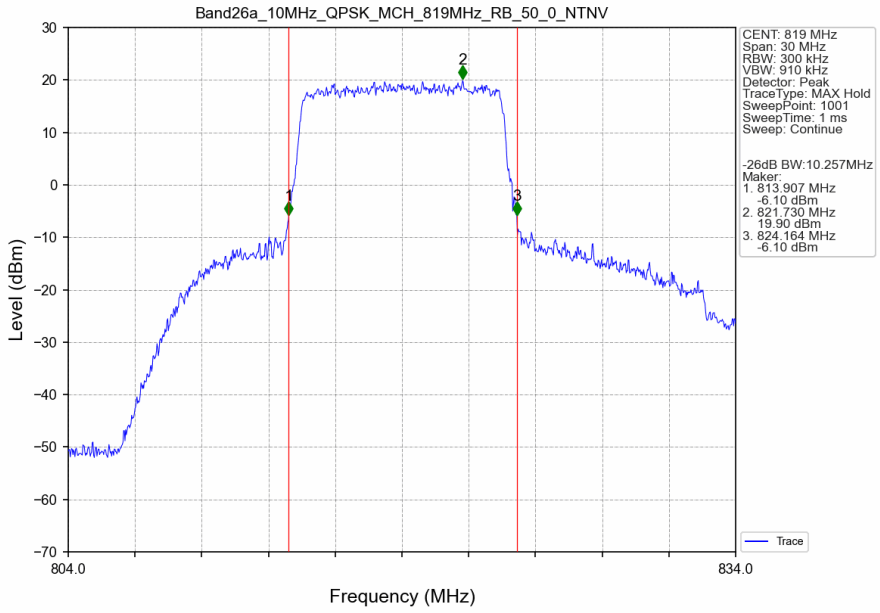


| Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV |
| --- |
|  |

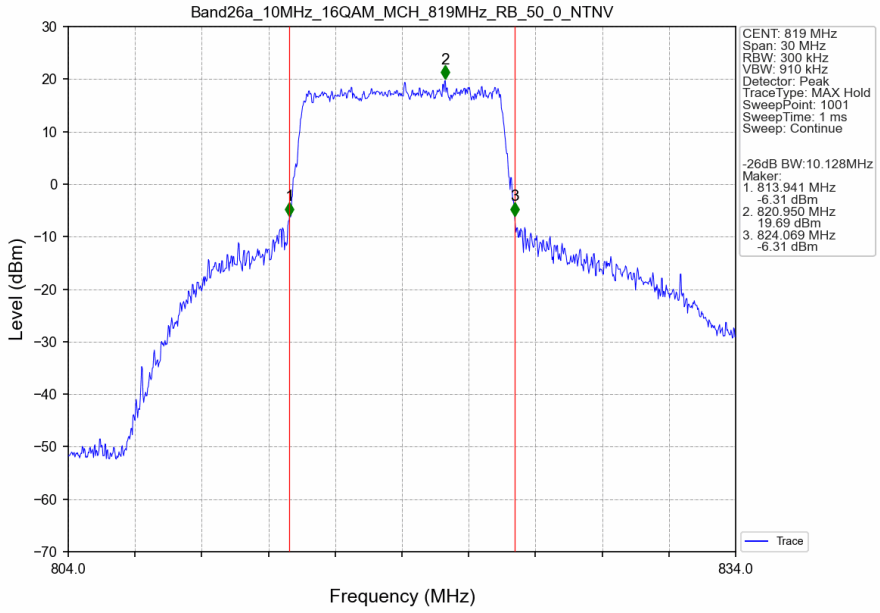


| Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV |
| --- |
|  |

Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV




Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



# 4. Peak-Average Ratio

## 4.1 Test Result

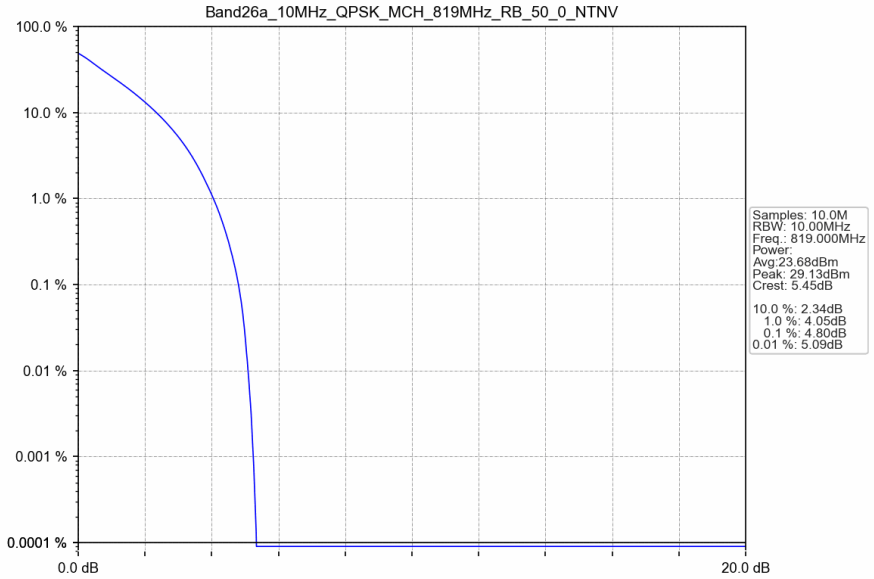
### 4.1.1 B26a_10MHz

| Band: 26a / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 819 | 50 | 0 | 4.80 | <=13 | Pass |
| 16QAM | 819 | 50 | 0 | 5.55 | <=13 | Pass |
| 64QAM | 819 | 50 | 0 | 5.54 | <=13 | Pass |

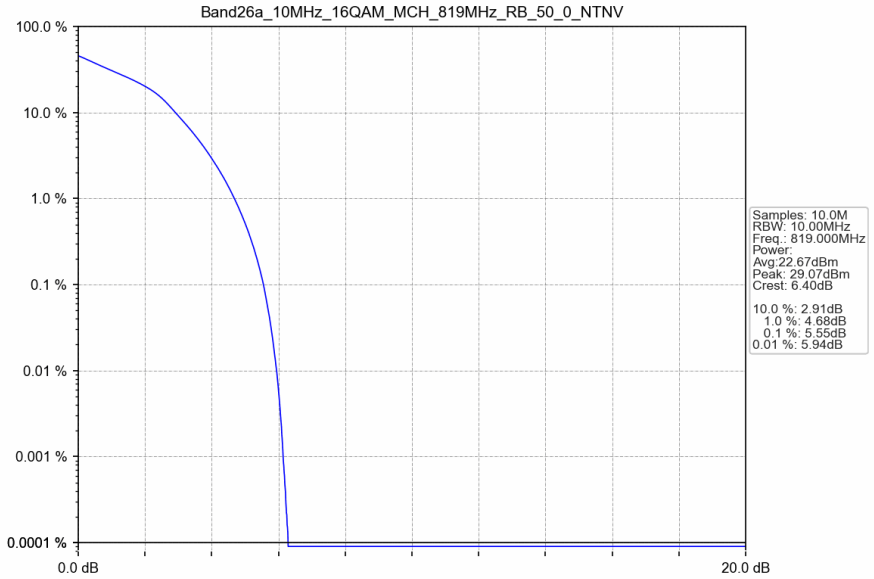
## 4.2 Test Graph

### 4.2.1 B26a_10MHz

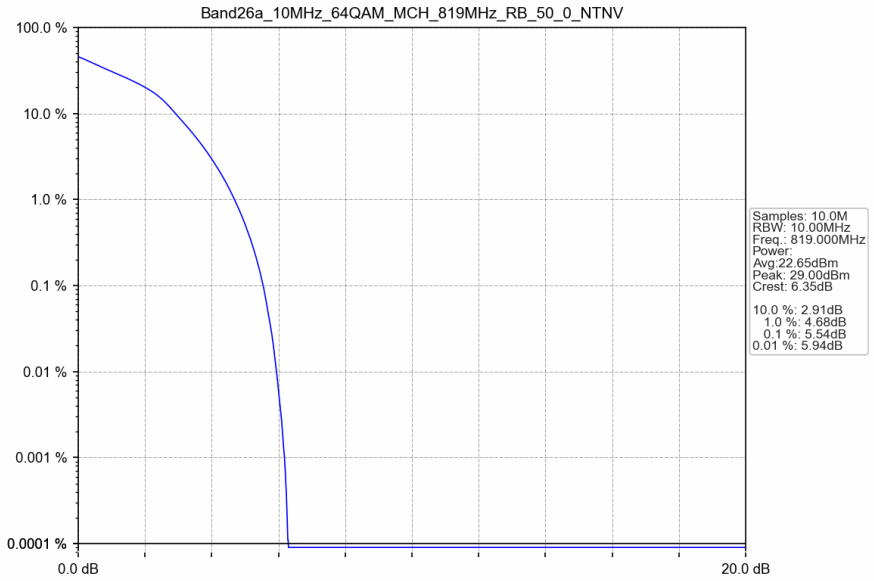
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV




Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



# 5. Spurious Emission

## 5.1 Test Result

### 5.1.1 B26a_1.4MHz

| Band: 26a / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 814.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | 823.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |

### 5.1.2 B26a_3MHz

| Band: 26a / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 815.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | 822.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |

### 5.1.3 B26a_5MHz

| Band: 26a / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 816.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | 821.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

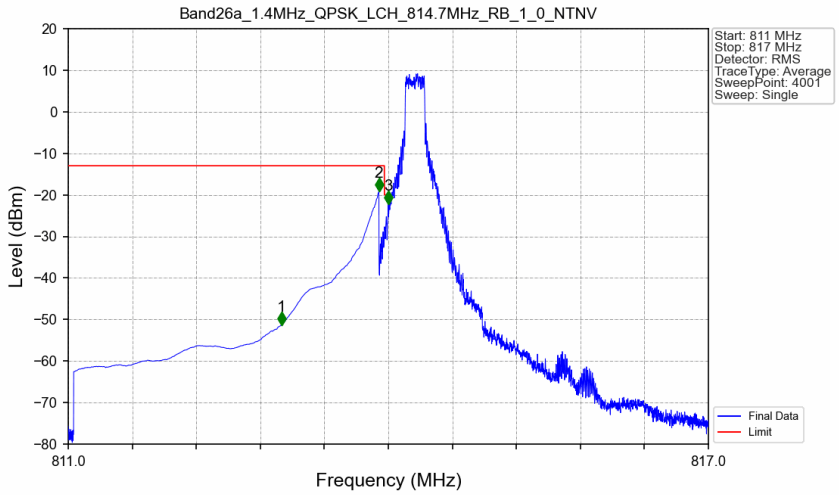
### 5.1.4 B26a_10MHz

| Band: 26a / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

## 5.2 Test Graph

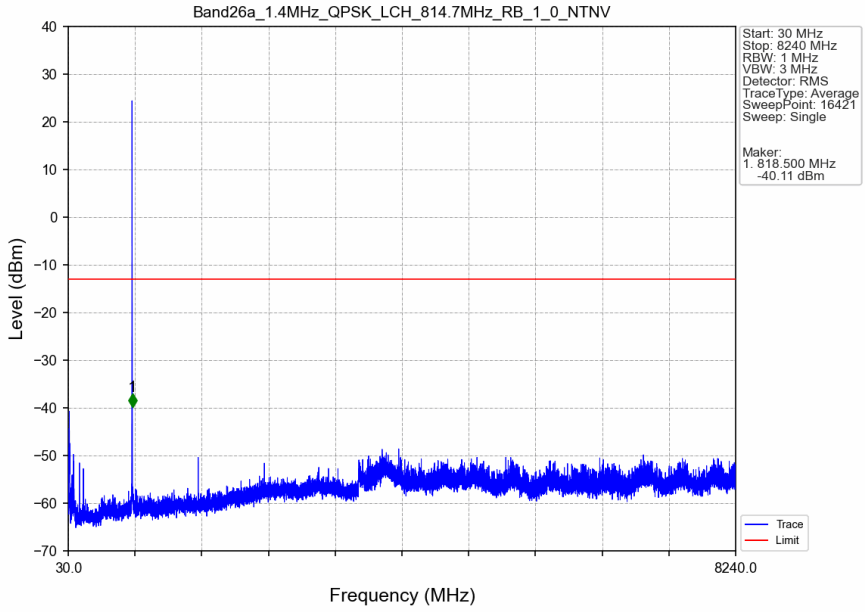
### 5.2.1 B26a_1.4MHz

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

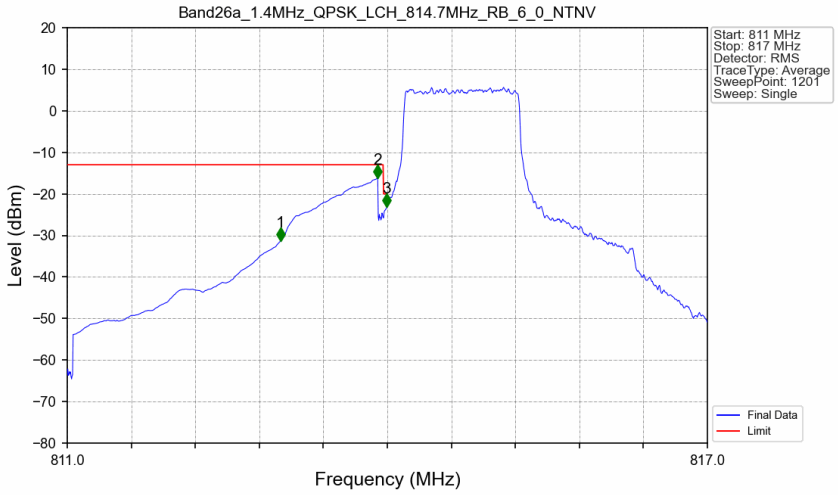



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 811 | 813 | 0.1 | CHP | 1 | 813.000 | -51.32 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.912 | -19.13 | -13 | Pass |
| 813.963 | 814 | 0.003 | / | 3 | 813.999 | -22.16 | -20 | Pass |
| 814 | 817 | 0.003 | / | / | / | / | / | / |

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

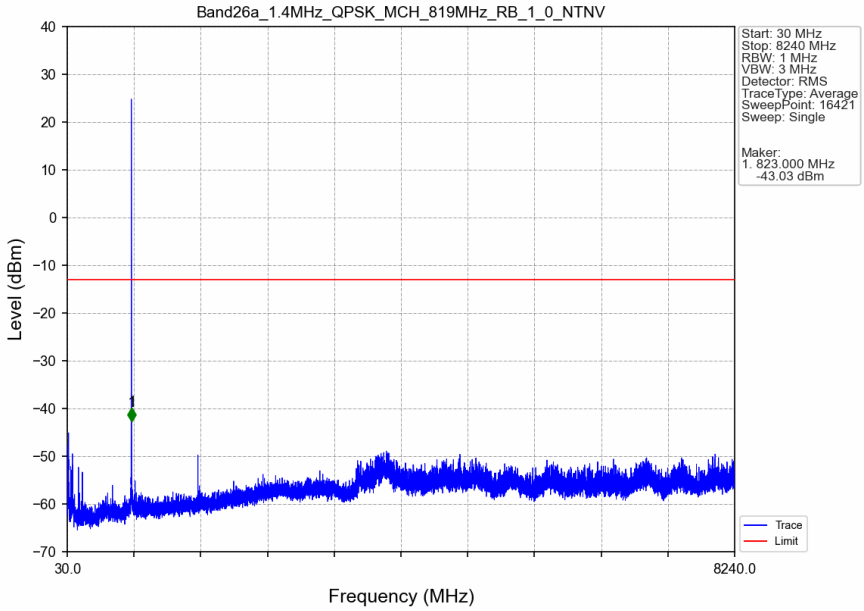


## Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

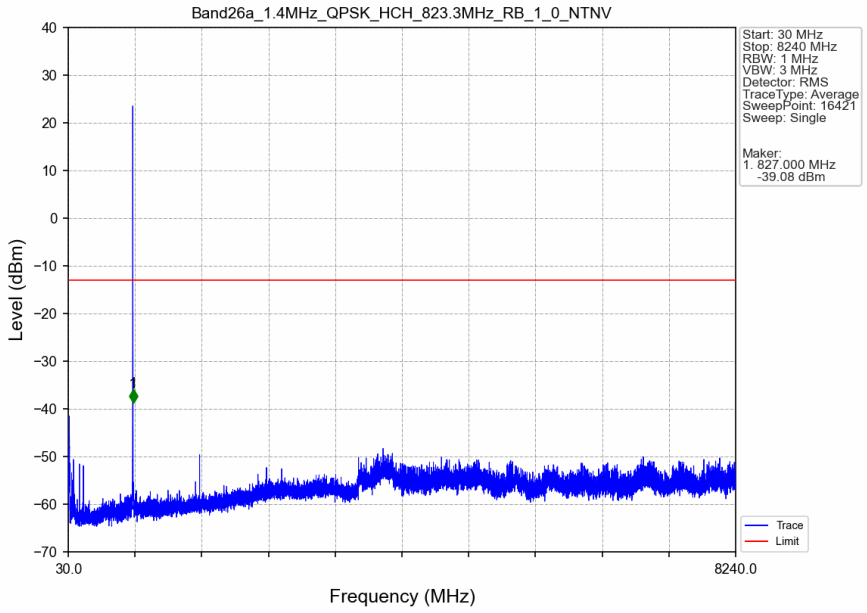



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 811 | 813 | 0.1 | CHP | 1 | 813.000 | -31.32 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.910 | -16.23 | -13 | Pass |
| 813.963 | 814 | 0.014 | CHP | 3 | 813.995 | -23.14 | -20 | Pass |
| 814 | 817 | 0.014 | CHP | / | / | / | / | / |

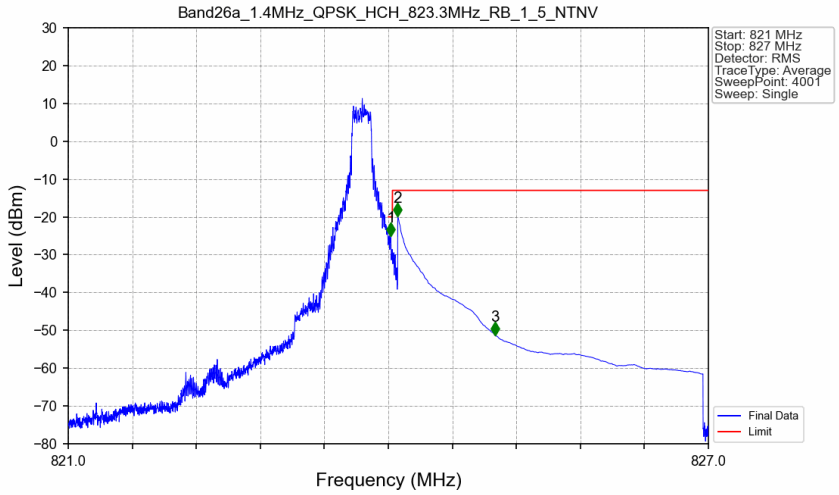
## Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



## Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

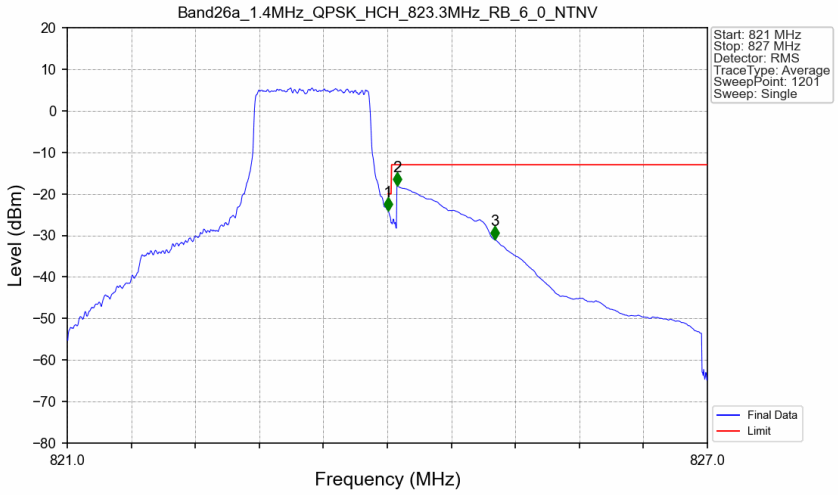



## Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 821 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.023 | -25.00 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.088 | -19.88 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.000 | -51.30 | -13 | Pass |

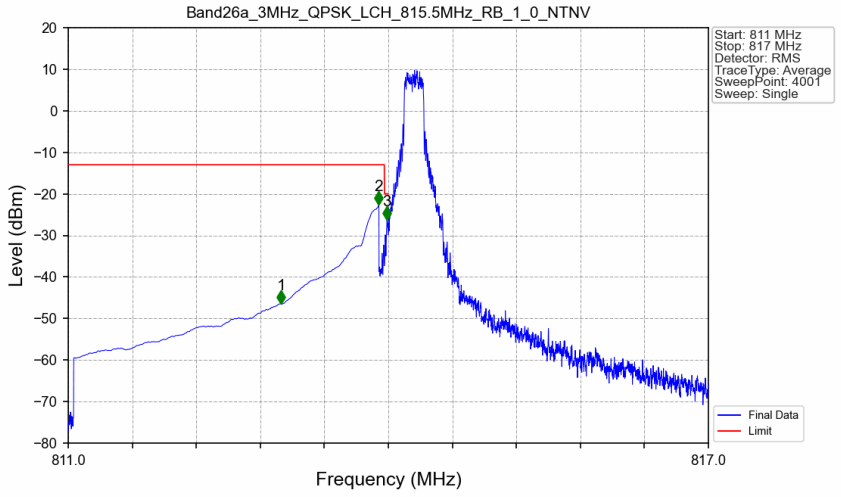
## Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 821 | 824 | 0.014 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.014 | CHP | 1 | 824.005 | -24.04 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.090 | -18.03 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.005 | -31.02 | -13 | Pass |

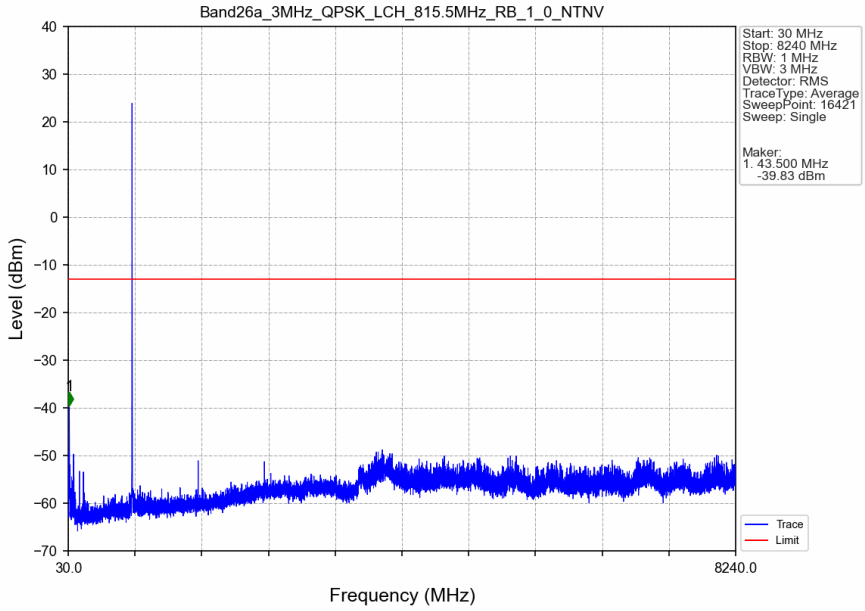
## 5.2.2 B26a_3MHz

Band26a_3MHz_QPSK_LCH_815.5MHz_RB_1_0_NTNV

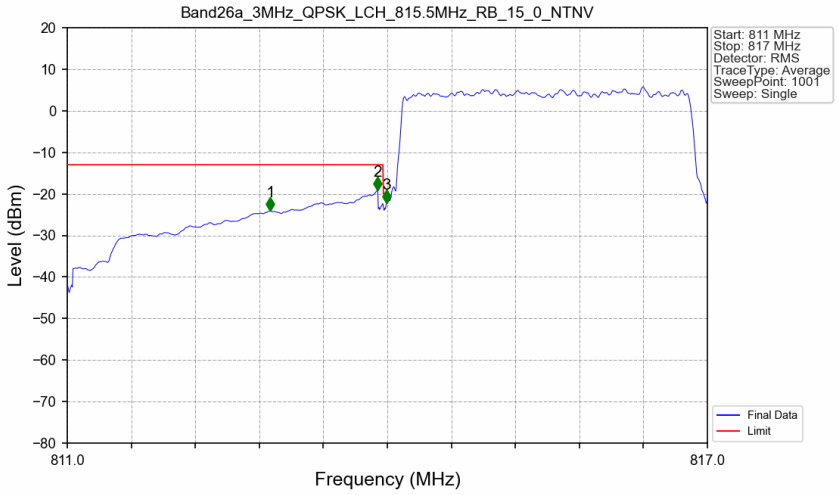



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 811 | 813 | 0.1 | CHP | 1 | 812.995 | -46.36 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.910 | -22.64 | -13 | Pass |
| 813.963 | 814 | 0.003 | / | 3 | 813.988 | -26.15 | -20 | Pass |
| 814 | 817 | 0.003 | / | / | / | / | / | / |

Band26a_3MHz_QPSK_LCH_815.5MHz_RB_1_0_NTNV

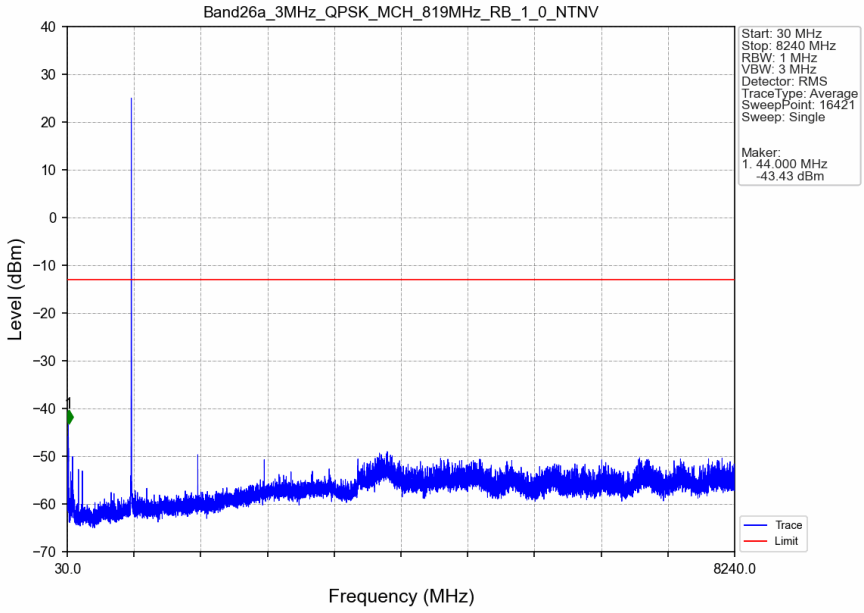


## Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

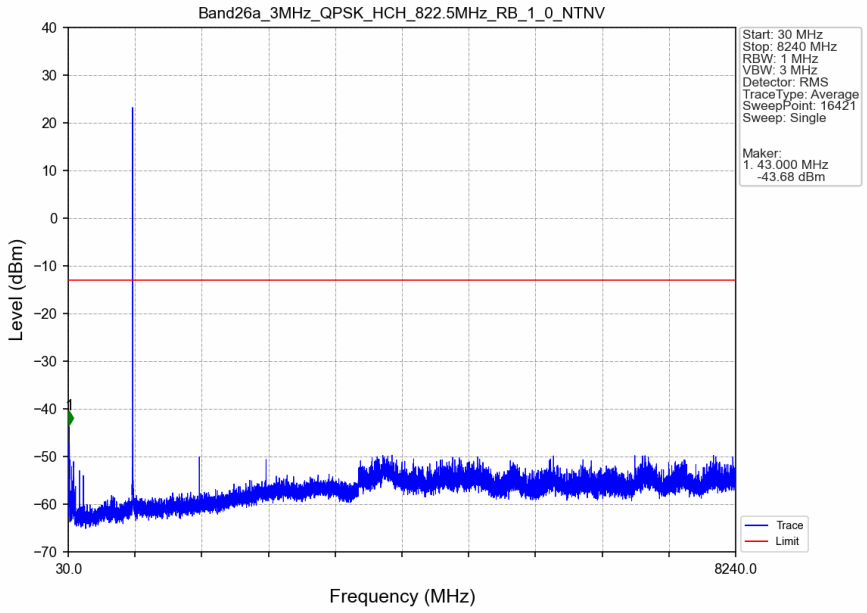



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 811 | 813 | 0.1 | CHP | 1 | 812.902 | -24.10 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.910 | -19.11 | -13 | Pass |
| 813.963 | 814 | 0.031 | CHP | 3 | 813.994 | -22.24 | -20 | Pass |
| 814 | 817 | 0.031 | CHP | / | / | / | / | / |

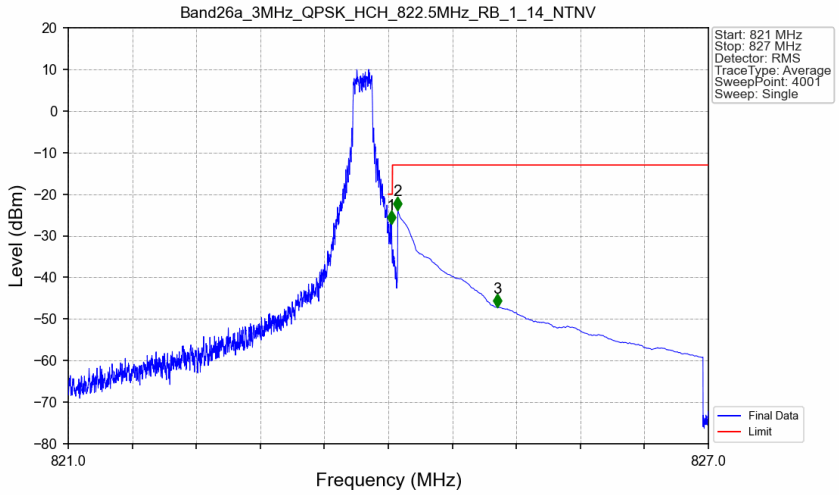
## Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



## Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV

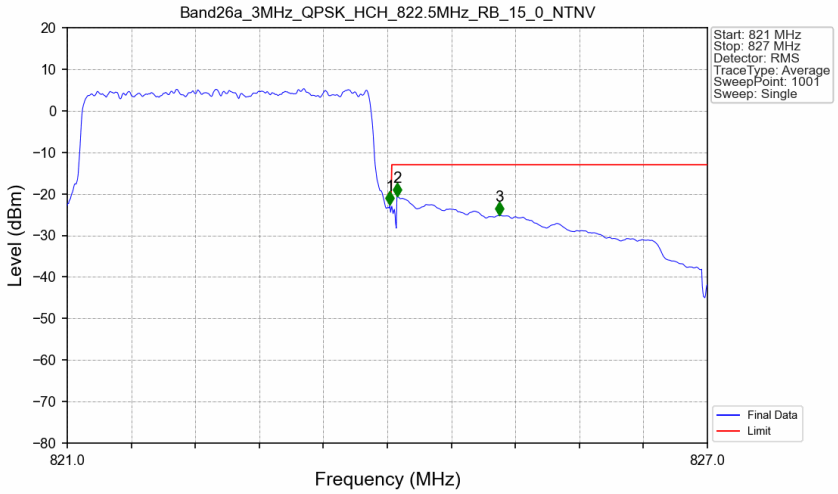



## Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 821 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.029 | -27.04 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.088 | -23.75 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.019 | -47.10 | -13 | Pass |

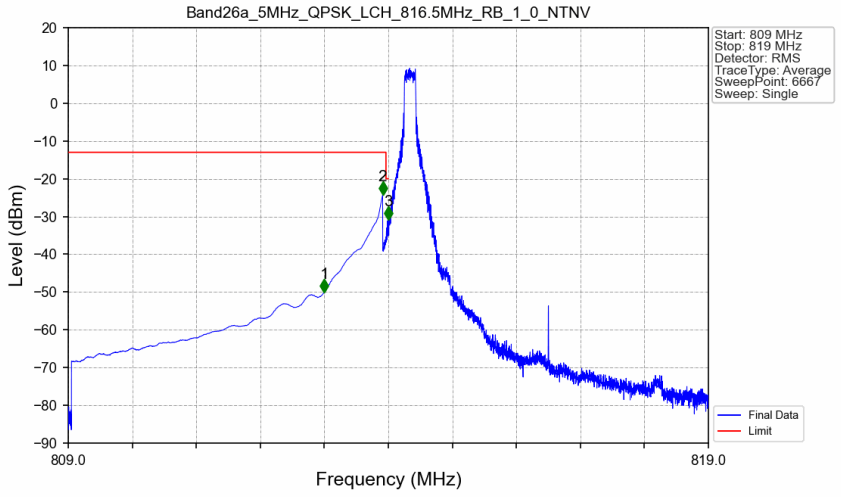
## Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 821 | 824 | 0.031 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.031 | CHP | 1 | 824.024 | -22.55 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.090 | -20.59 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.050 | -25.18 | -13 | Pass |

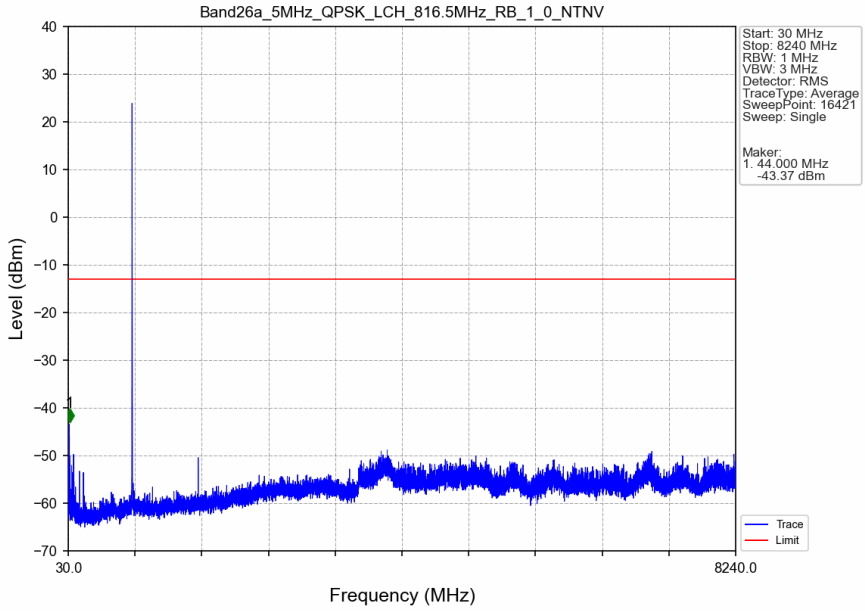
## 5.2.3 B26a_5MHz

Band26a_5MHz_QPSK_LCH_816.5MHz_RB_1_0_NTNV

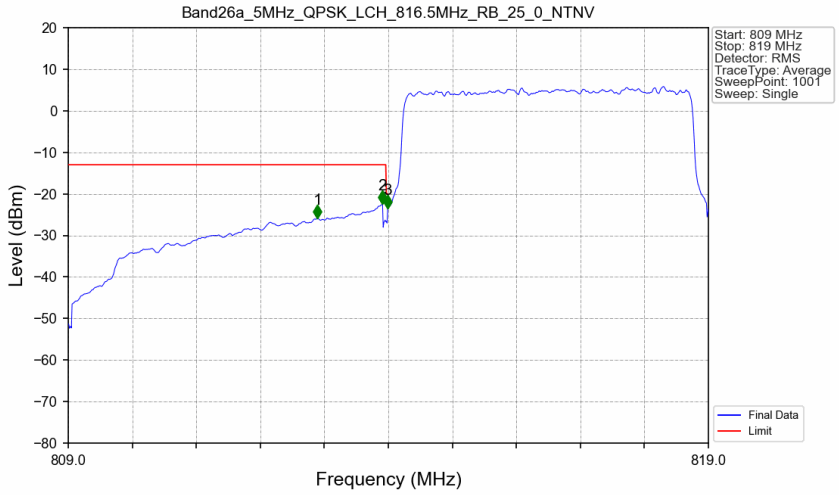



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 809 | 813 | 0.1 | CHP | 1 | 812.999 | -50.09 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.911 | -24.26 | -13 | Pass |
| 813.963 | 814 | 0.003 | / | 3 | 813.999 | -30.85 | -20 | Pass |
| 814 | 819 | 0.003 | / | / | / | / | / | / |

Band26a_5MHz_QPSK_LCH_816.5MHz_RB_1_0_NTNV

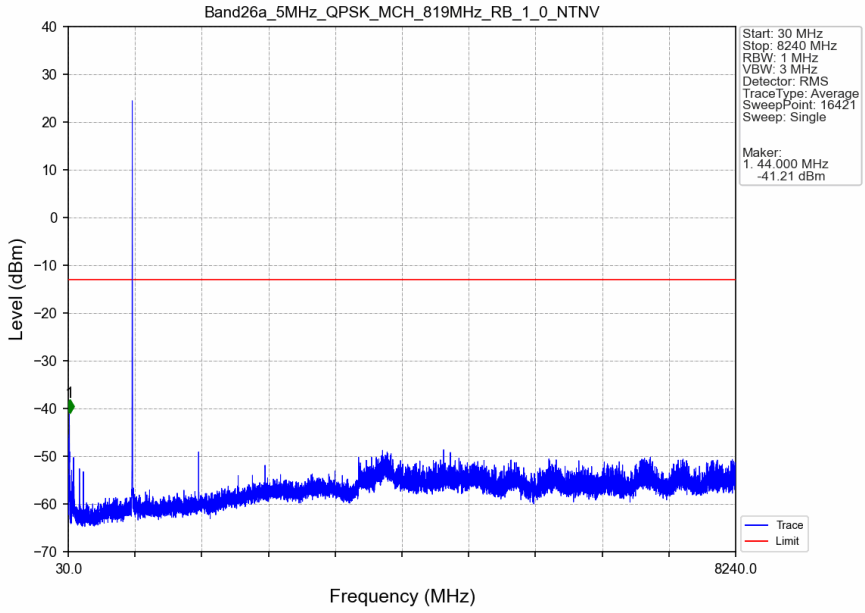


## Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

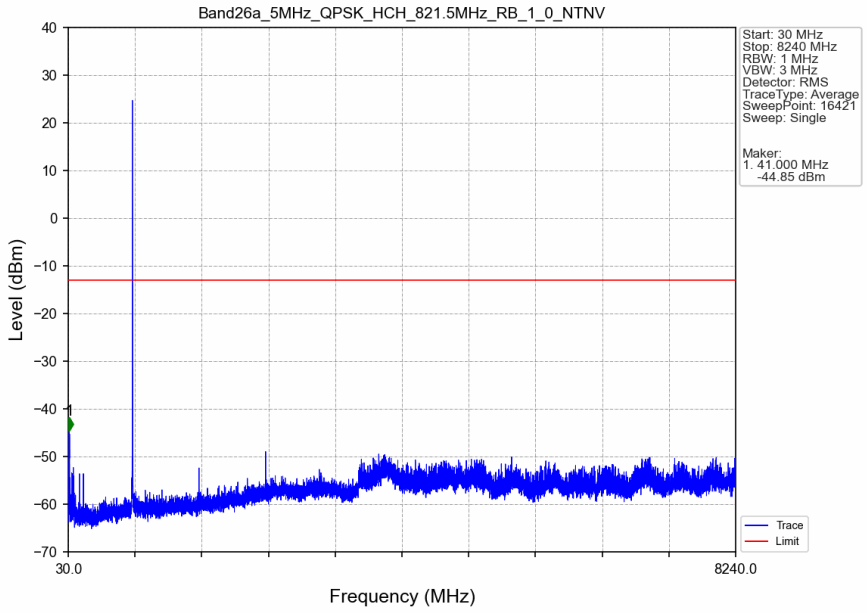



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 809 | 813 | 0.1 | CHP | 1 | 812.890 | -25.93 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.910 | -22.46 | -13 | Pass |
| 813.963 | 814 | 0.053 | CHP | 3 | 813.990 | -23.53 | -20 | Pass |
| 814 | 819 | 0.053 | CHP | / | / | / | / | / |

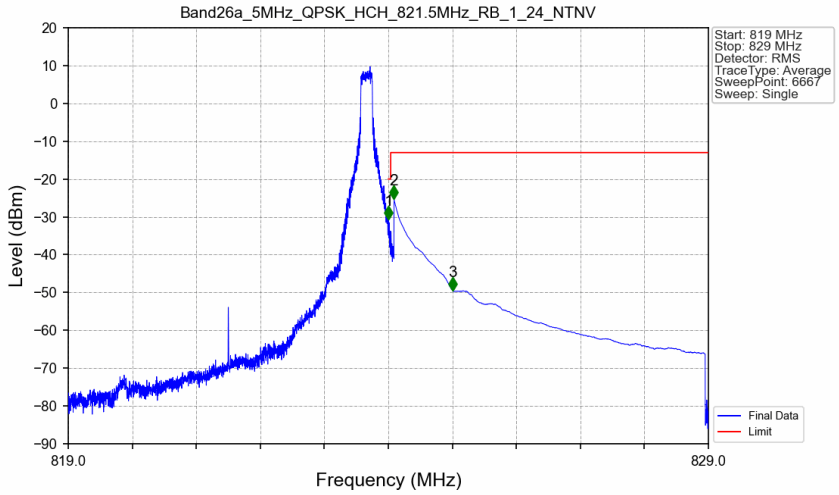
## Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



## Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

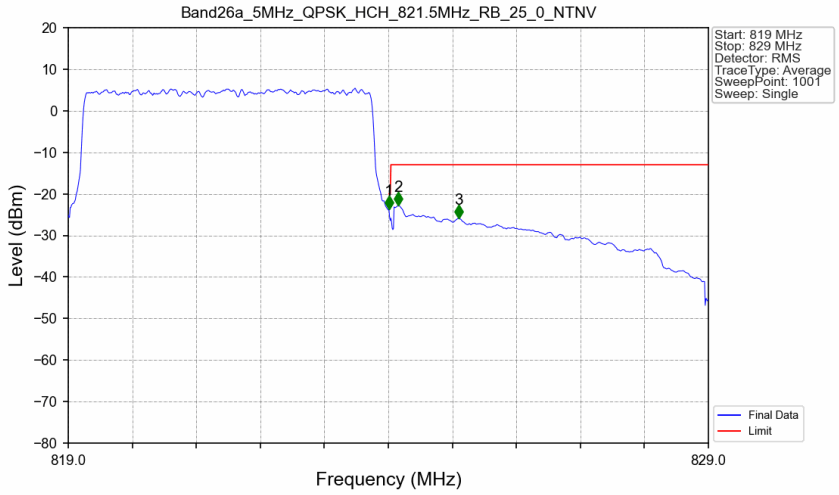



## Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 819 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.001 | -30.62 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.089 | -25.13 | -13 | Pass |
| 825 | 829 | 0.1 | CHP | 3 | 825.001 | -49.47 | -13 | Pass |

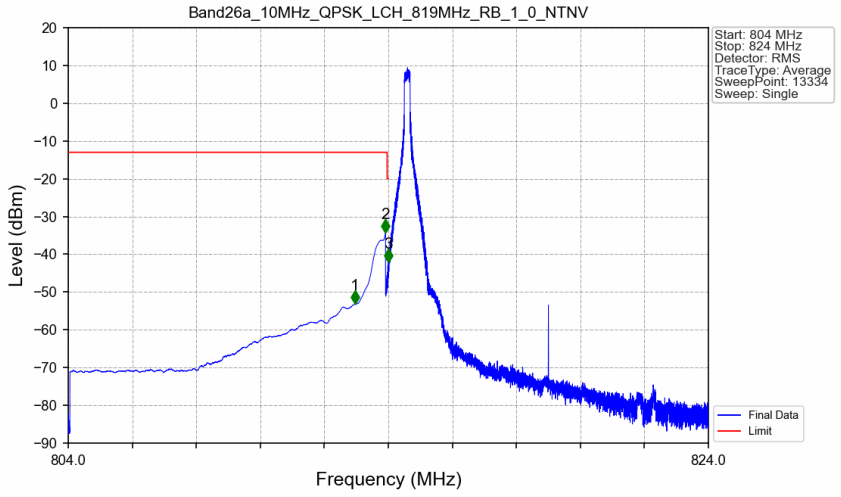
## Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 819 | 824 | 0.053 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.053 | CHP | 1 | 824.010 | -23.74 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.150 | -22.80 | -13 | Pass |
| 825 | 829 | 0.1 | CHP | 3 | 825.100 | -25.90 | -13 | Pass |

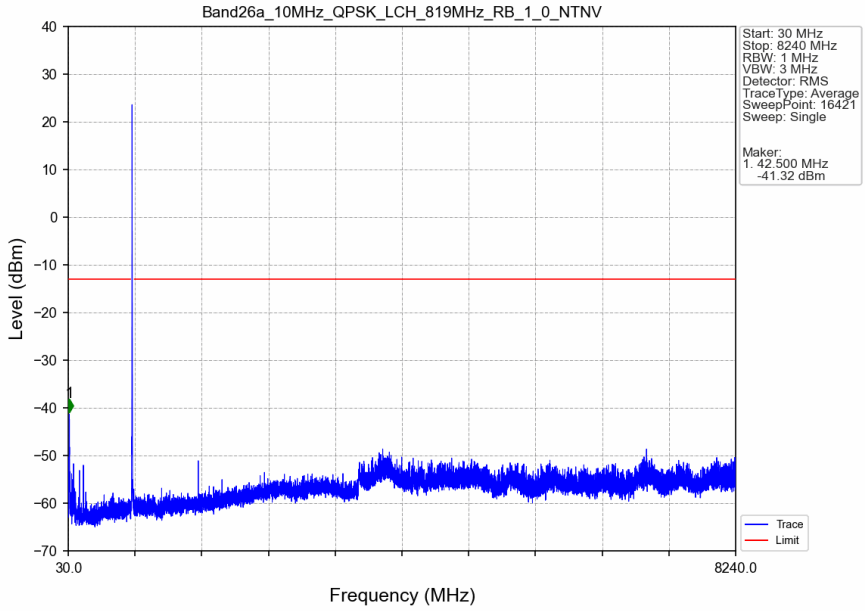
## 5.2.4 B26a_10MHz

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

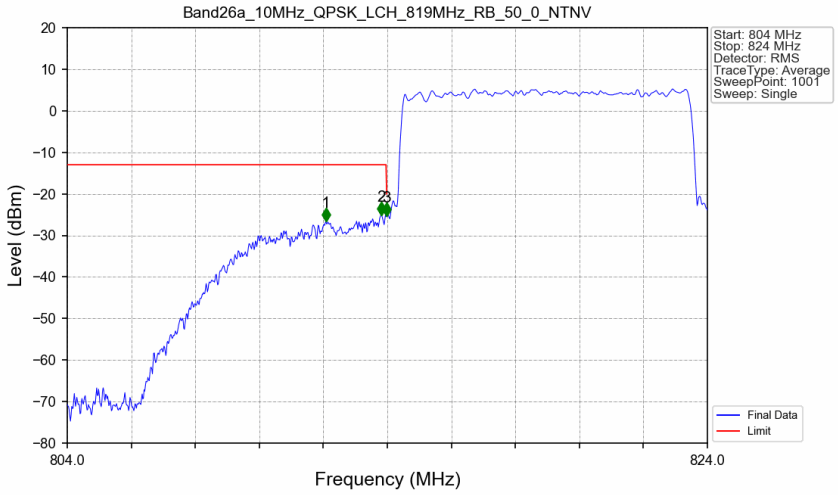



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 804 | 813 | 0.1 | CHP | 1 | 812.954 | -53.12 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.912 | -34.32 | -13 | Pass |
| 813.963 | 814 | 0.003 | / | 3 | 813.998 | -42.10 | -20 | Pass |
| 814 | 824 | 0.003 | / | / | / | / | / | / |

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

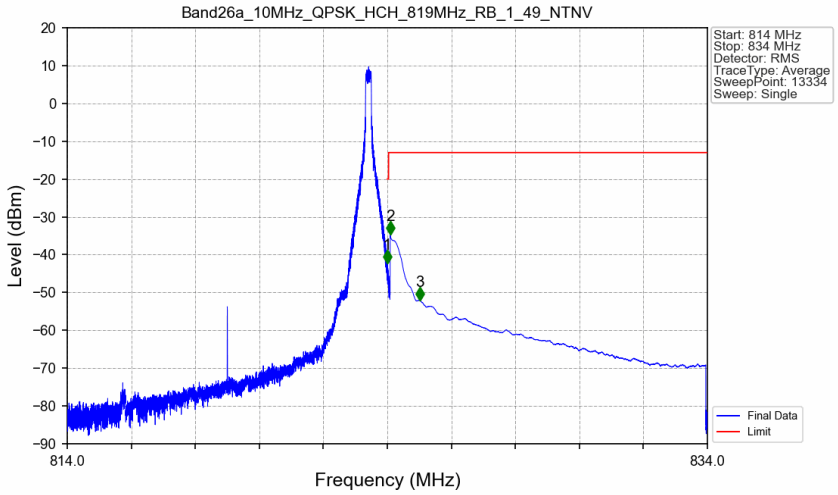


## Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



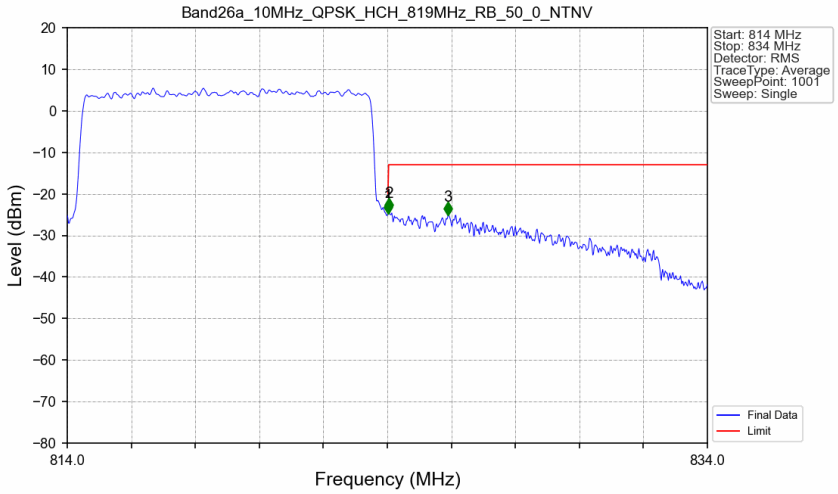

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 804 | 813 | 0.1 | / | 1 | 812.080 | -26.62 | -13 | Pass |
| 813 | 813.963 | 0.1 | / | 2 | 813.820 | -25.03 | -13 | Pass |
| 813.963 | 814 | 0.103 | / | 3 | 813.980 | -25.38 | -20 | Pass |
| 814 | 824 | 0.103 | CHP | / | / | / | / | / |

## Band26a_10MHz_QPSK_HCH_819MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 814 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.001 | -42.20 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.088 | -34.70 | -13 | Pass |
| 825 | 834 | 0.1 | CHP | 3 | 825.019 | -52.03 | -13 | Pass |

## Band26a_10MHz_QPSK_HCH_819MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 814 | 824 | 0.103 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.103 | CHP | 1 | 824.020 | -24.84 | -20 | Pass |
| 824.038 | 825 | 0.1 | / | 2 | 824.040 | -24.28 | -13 | Pass |
| 825 | 834 | 0.1 | / | 3 | 825.900 | -25.07 | -13 | Pass |

## 6. Field Strength of Spurious Radiation

| LTE Band 26a(814-824MHz)-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Frequency (MHz)** | **EIRP (dBm)** | **Limit (dBm)** | **Over Limit (dB)** | **S.G. Power (dBm)** | **Cable Loss (dB)** | **Antenna Gain (dBi)** | **Polarization (H/V)** | **Result** |
| 1629.0 | -70.44 | -13 | -57.44 | -73.37 | 2.62 | 5.55 | Horizontal | Pass |
| 2443.5 | -69.65 | -13 | -56.65 | -72.29 | 3.04 | 5.68 | Horizontal | Pass |
| 3258.0 | -66.97 | -13 | -53.97 | -71.25 | 3.28 | 7.56 | Horizontal | Pass |
| 1629.0 | -67.52 | -13 | -54.52 | -70.45 | 2.62 | 5.55 | Vertical | Pass |
| 2443.5 | -66.17 | -13 | -53.17 | -68.81 | 3.04 | 5.68 | Vertical | Pass |
| 3258.0 | -66.21 | -13 | -53.21 | -70.49 | 3.28 | 7.56 | Vertical | Pass |