

1. Duty Cycle

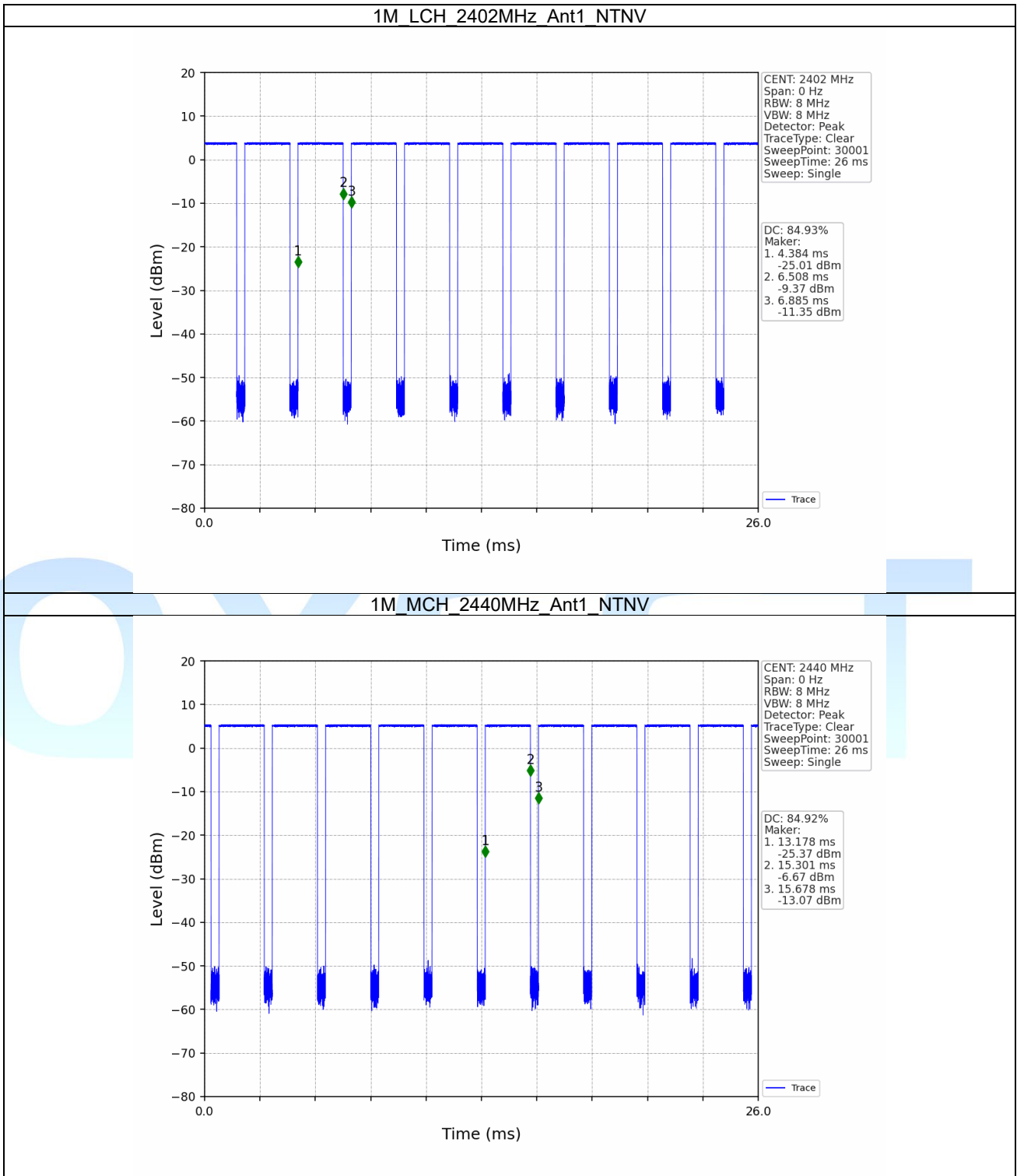
1.1 Test Result

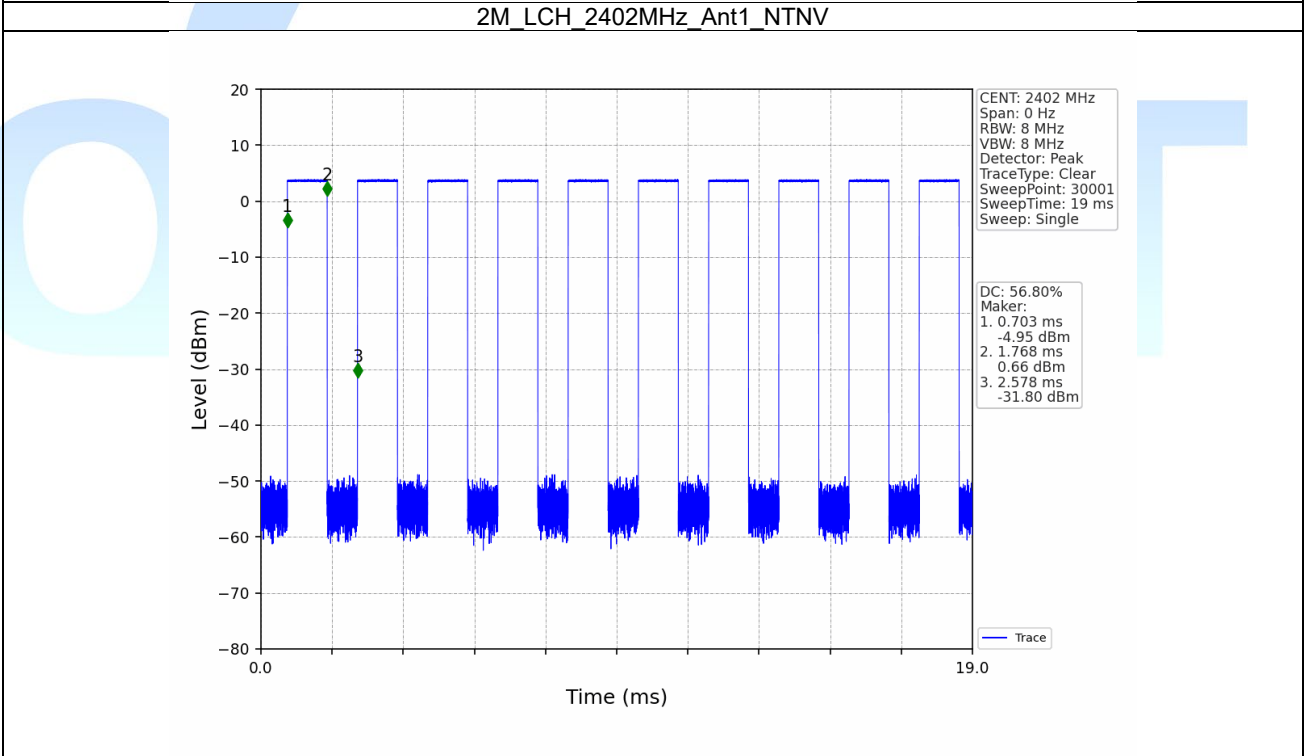
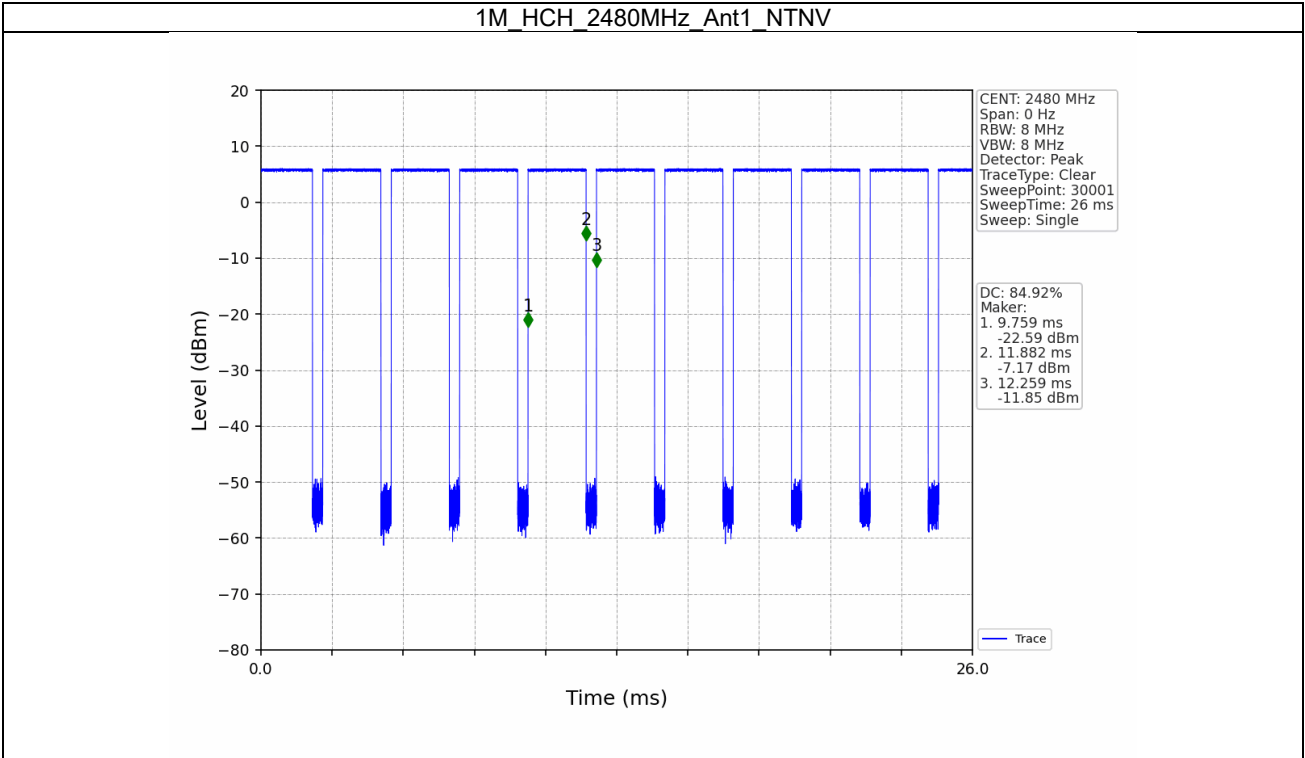
1.1.1 Ant1

| Ant1 | | | | | | | |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M | SISO | 2402 | 2.124 | 2.501 | 84.93 | 0.71 | 0.03 |
| | | 2440 | 2.123 | 2.500 | 84.92 | 0.71 | 0.03 |
| | | 2480 | 2.123 | 2.500 | 84.92 | 0.71 | 0.03 |
| 2M | SISO | 2402 | 1.065 | 1.875 | 56.80 | 2.46 | 0.03 |
| | | 2440 | 1.066 | 1.876 | 56.82 | 2.45 | 0.05 |
| | | 2480 | 1.065 | 1.874 | 56.83 | 2.45 | 0.03 |

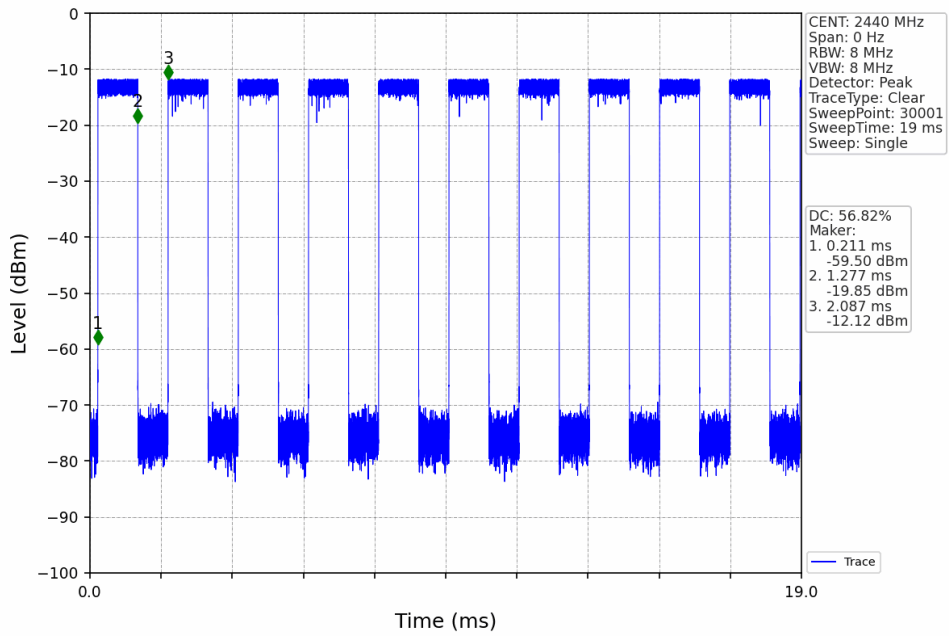
1.2 Test Graph

1.2.1 Ant1

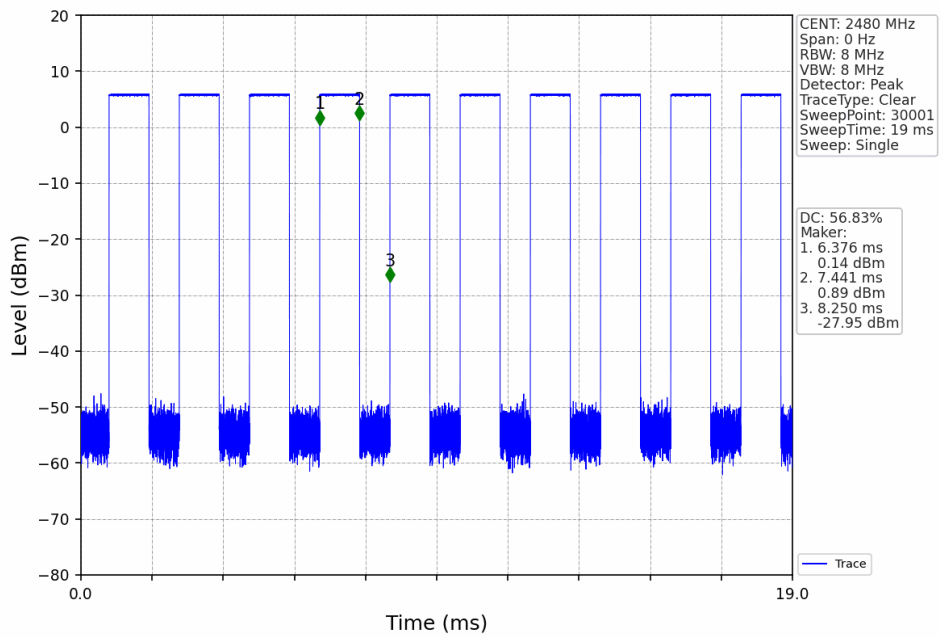




2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

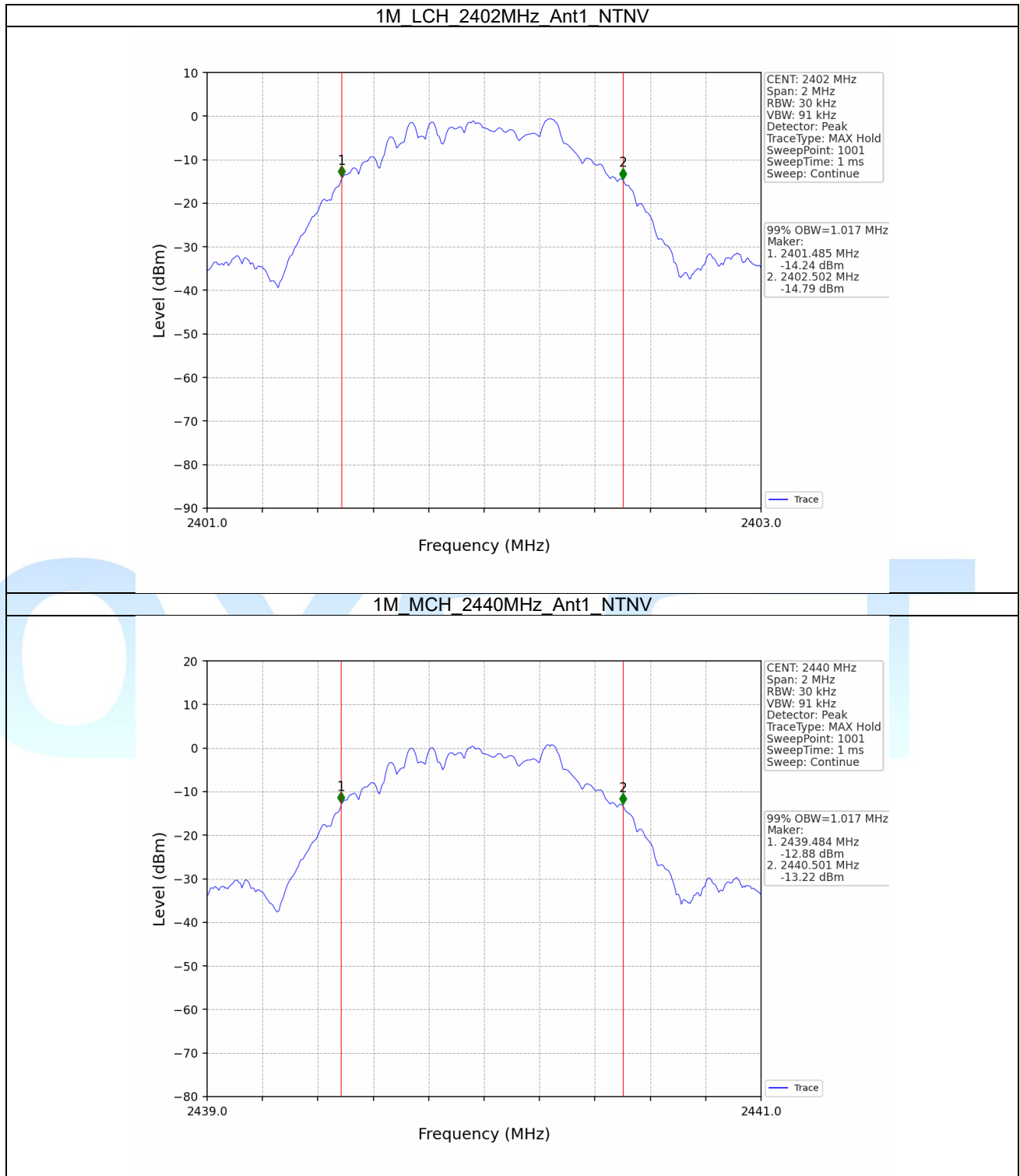
| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|------|---------|-----------------|-----|------------------------------|-------|---------|
| | | | | Result | Limit | |
| 1M | SISO | 2402 | 1 | 1.017 | / | Pass |
| | | 2440 | 1 | 1.017 | / | Pass |
| | | 2480 | 1 | 1.019 | / | Pass |
| 2M | SISO | 2402 | 1 | 2.042 | / | Pass |
| | | 2440 | 1 | 2.045 | / | Pass |
| | | 2480 | 1 | 2.043 | / | Pass |

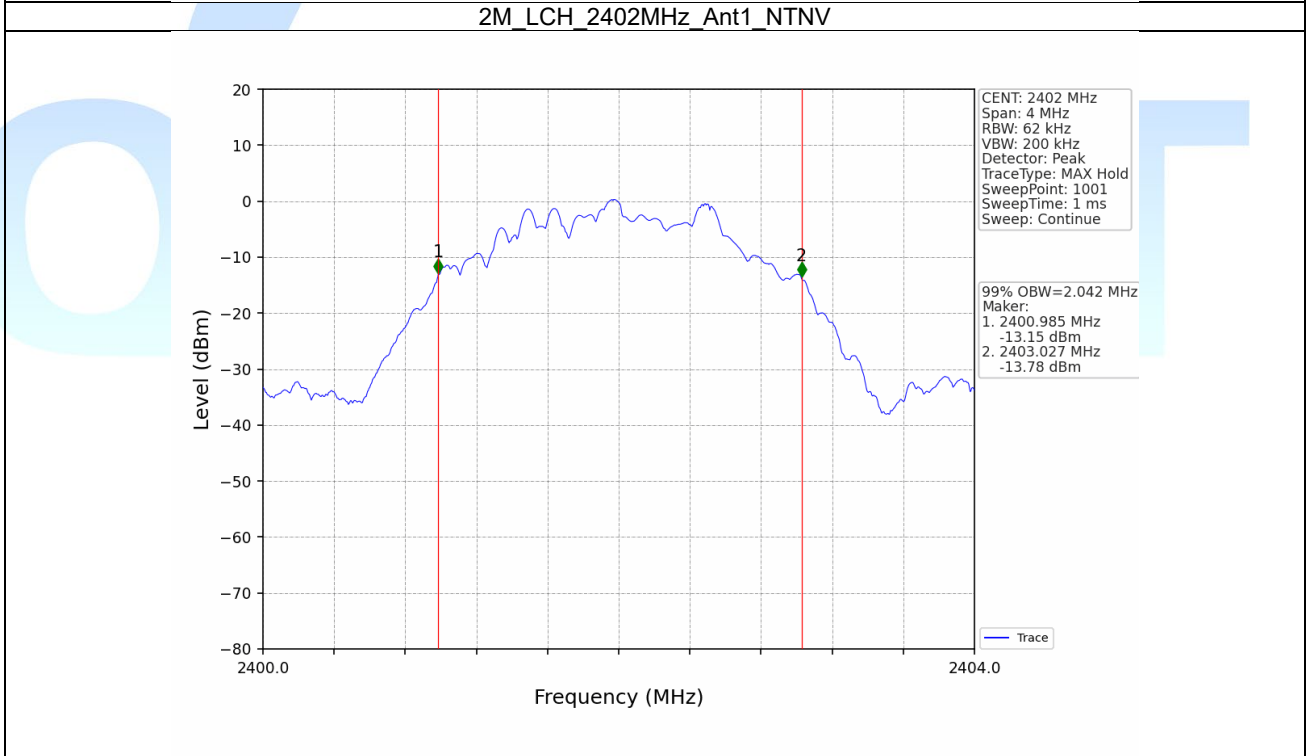
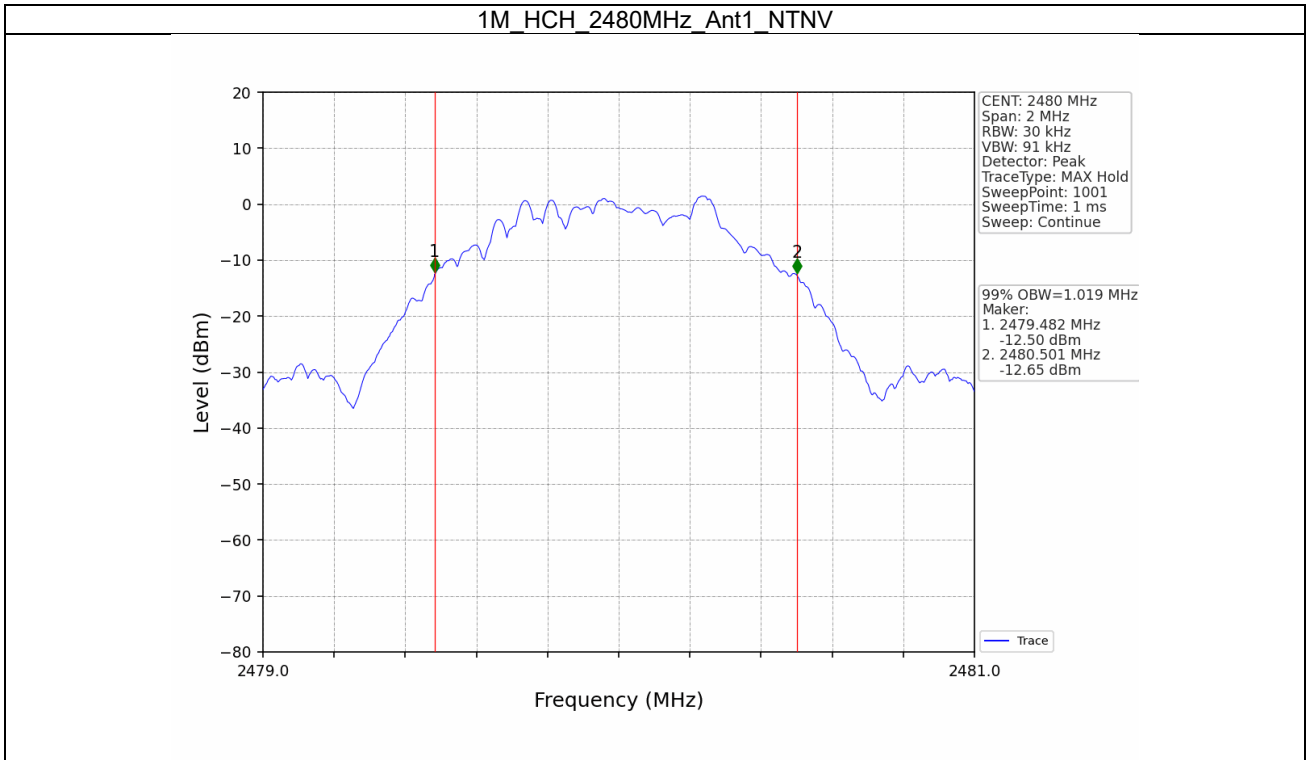
2.1.2 6dB BW

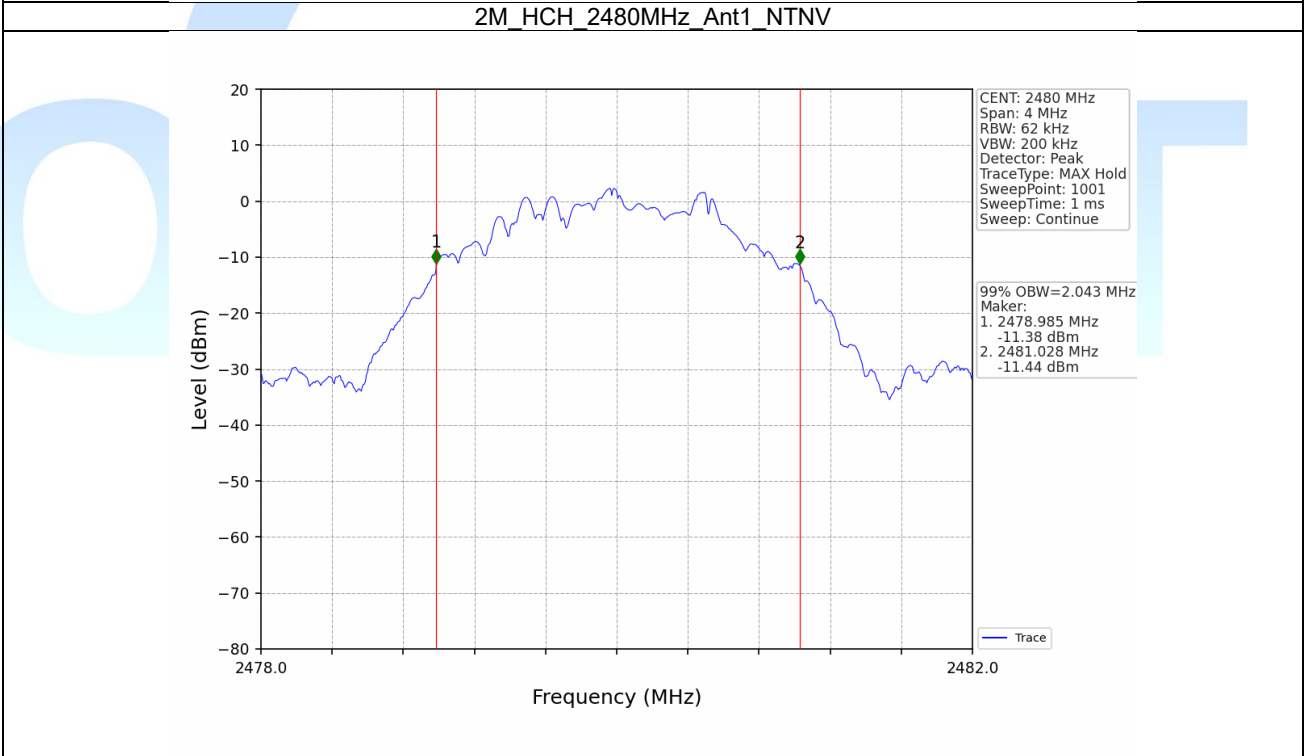
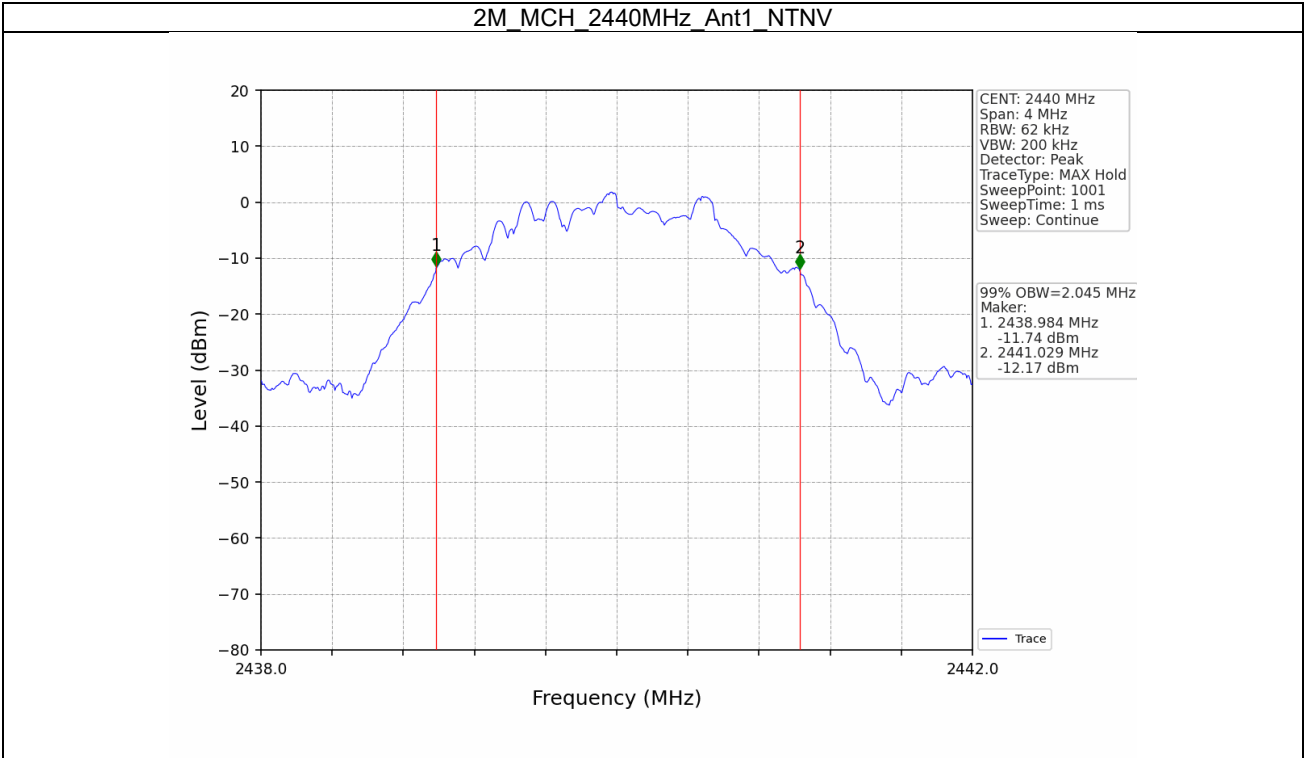
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) | | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
| | | | | Result | Limit | |
| 1M | SISO | 2402 | 1 | 0.675 | ≥ 0.5 | Pass |
| | | 2440 | 1 | 0.667 | ≥ 0.5 | Pass |
| | | 2480 | 1 | 0.667 | ≥ 0.5 | Pass |
| 2M | SISO | 2402 | 1 | 1.240 | ≥ 0.5 | Pass |
| | | 2440 | 1 | 1.192 | ≥ 0.5 | Pass |
| | | 2480 | 1 | 1.246 | ≥ 0.5 | Pass |

2.2 Test Graph

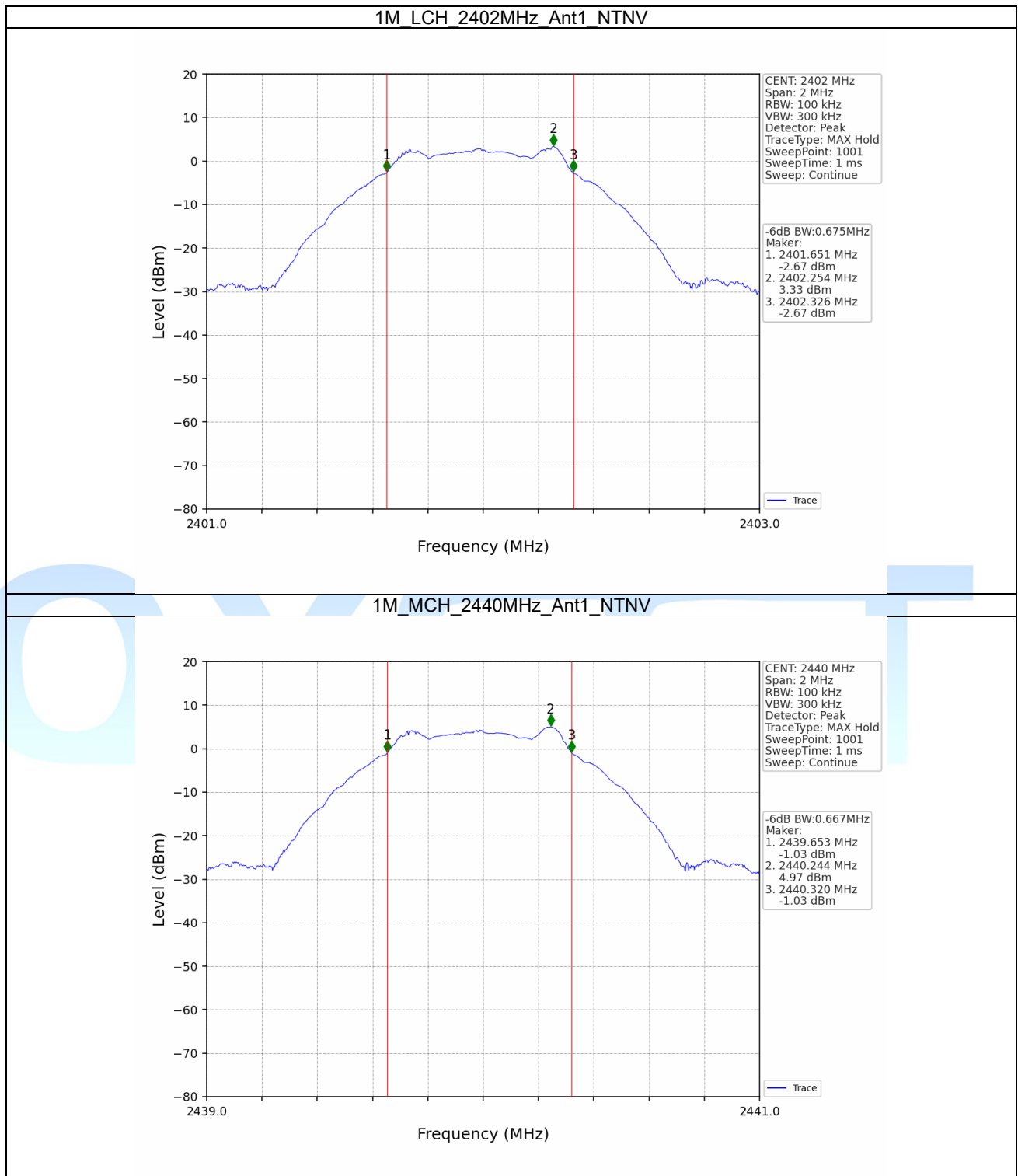
2.2.1 OBW

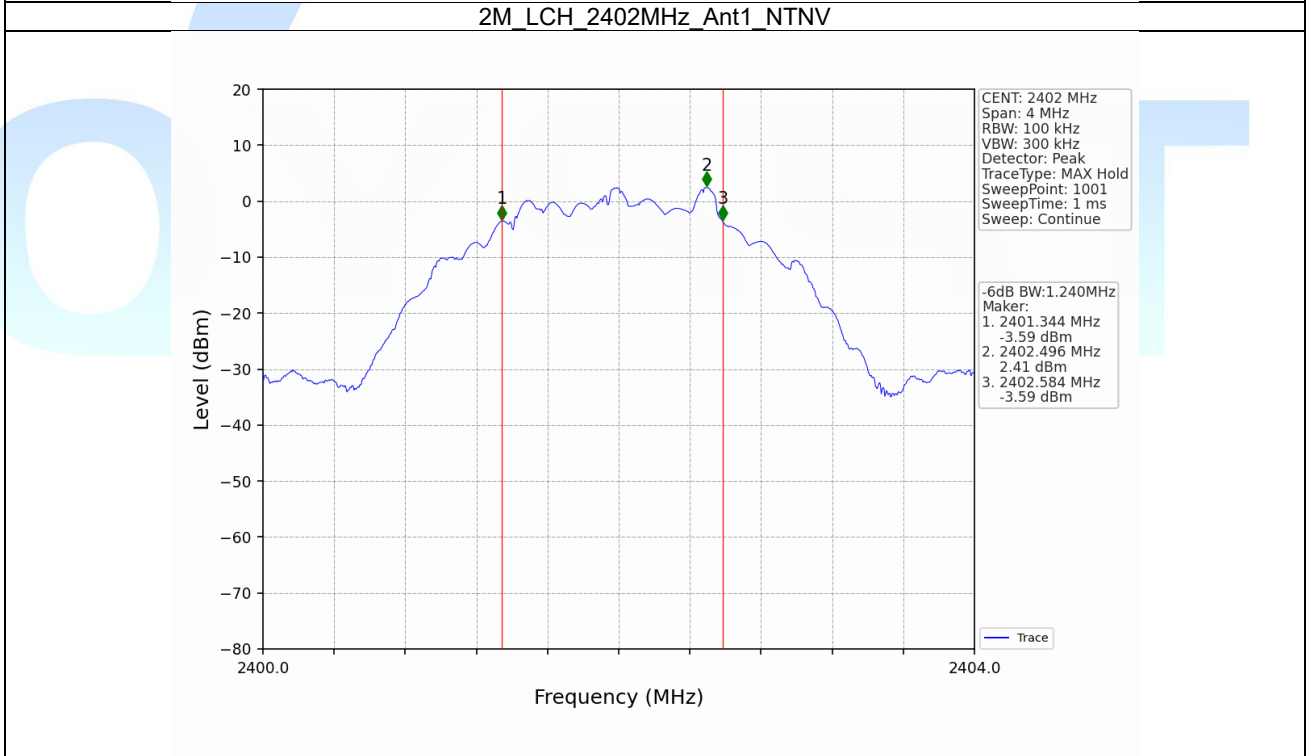
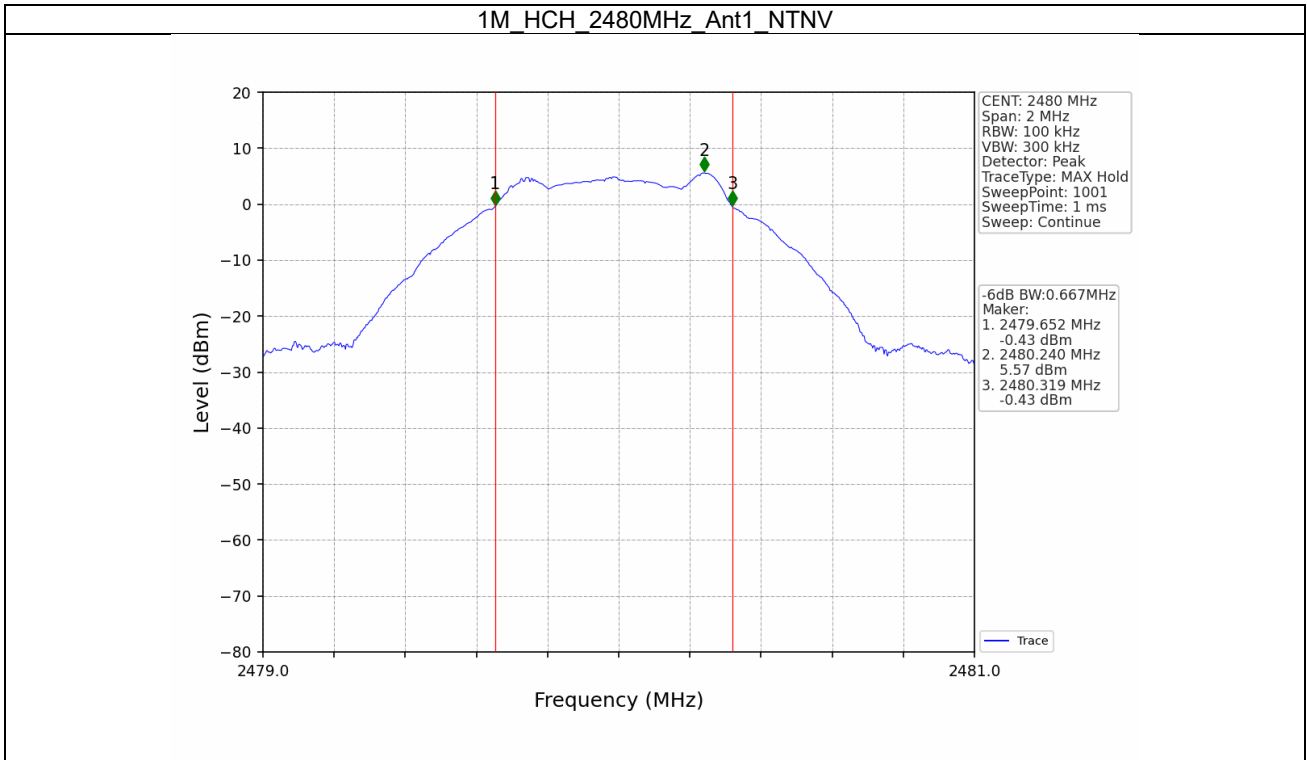


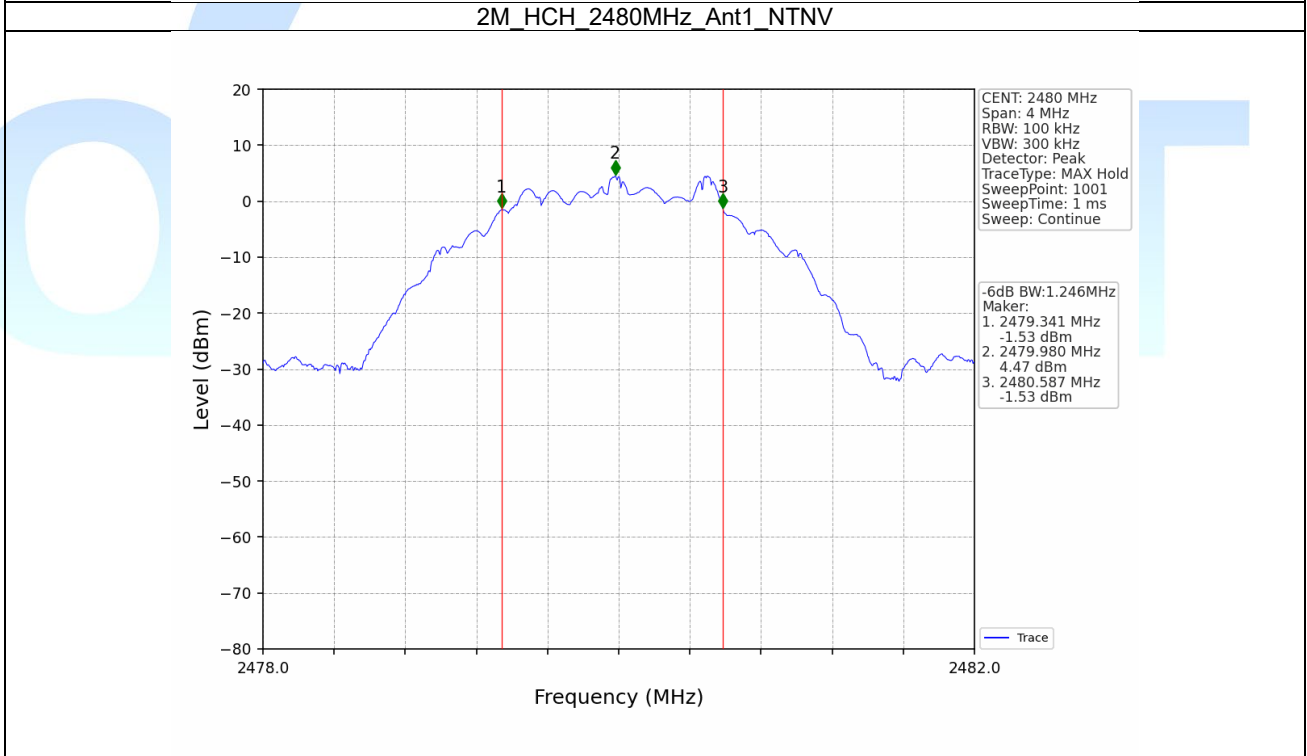
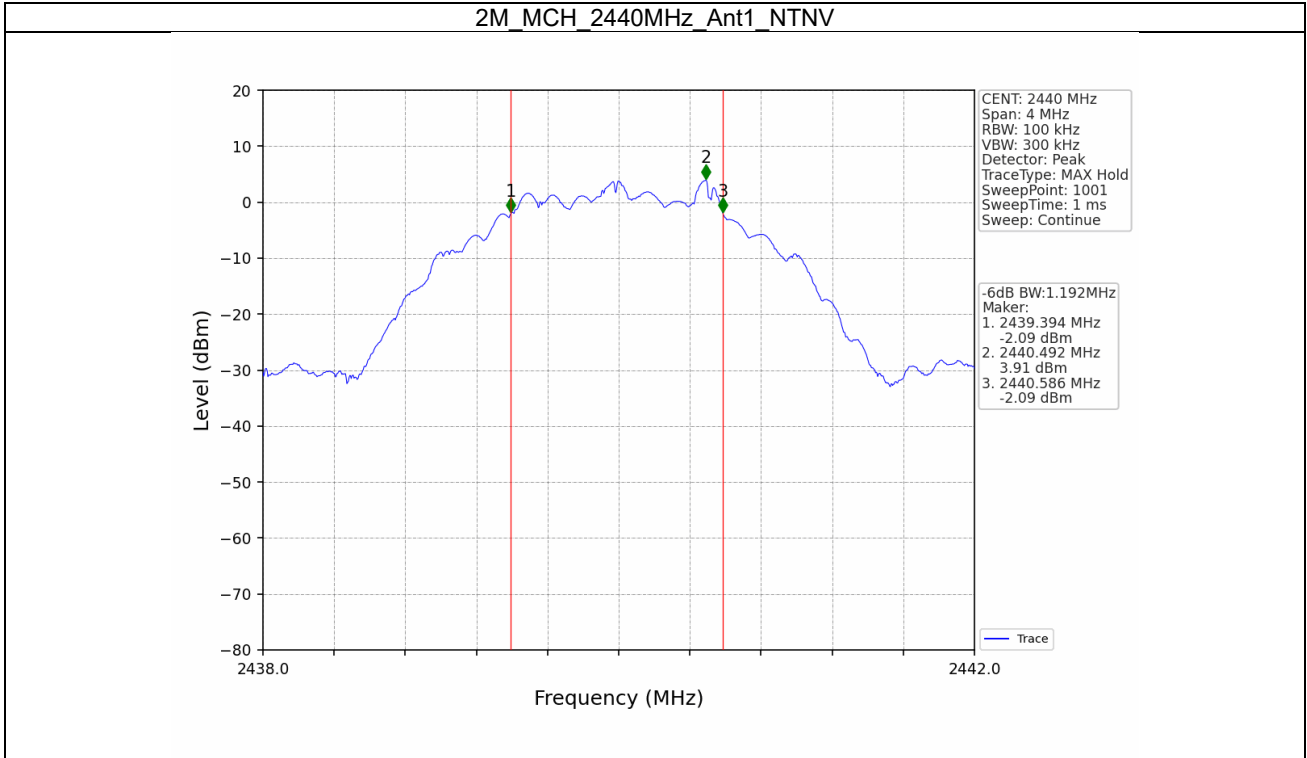




2.2.2 6dB BW







3. Maximum Conducted Output Power

3.1 Test Result

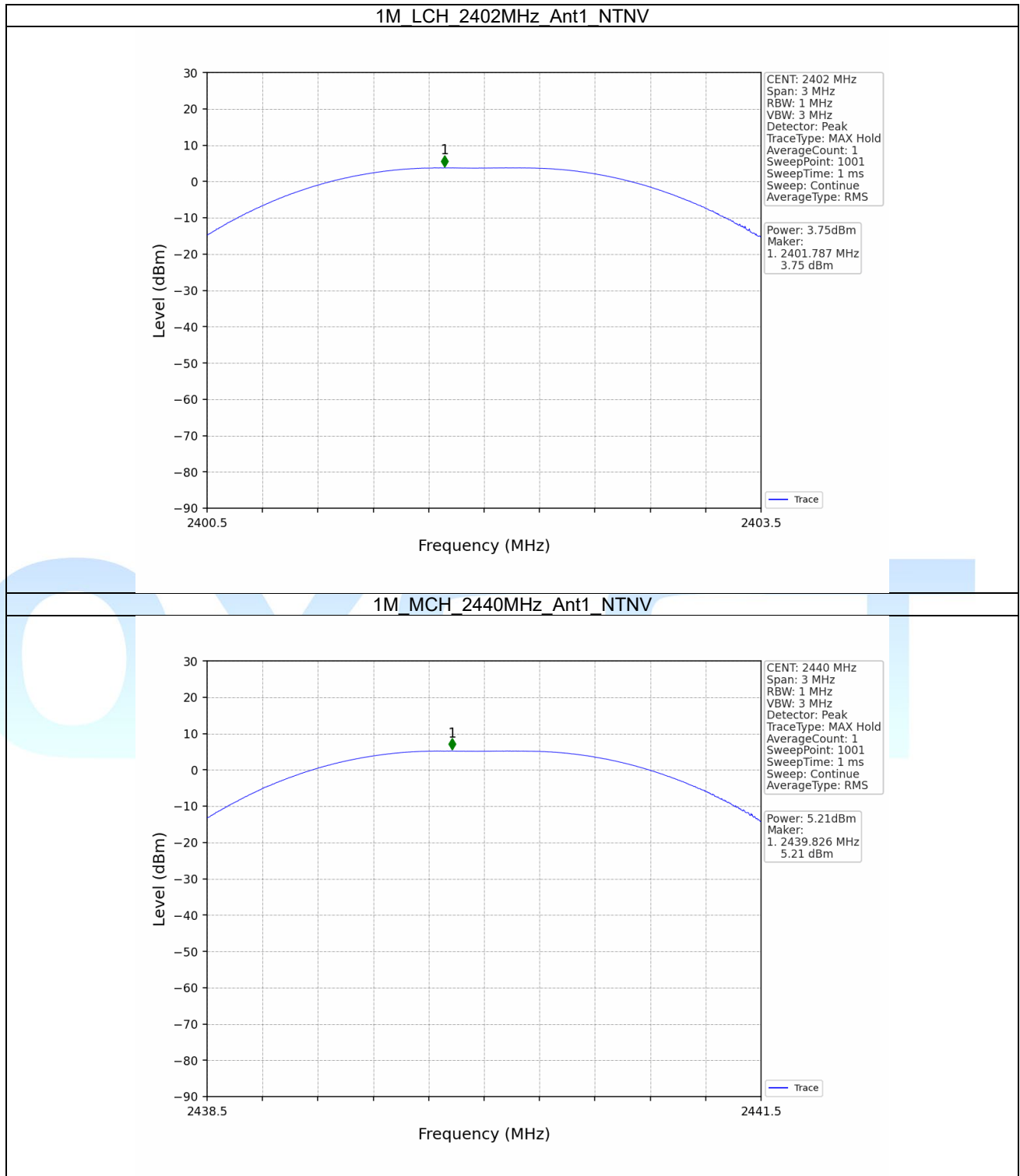
3.1.1 Power

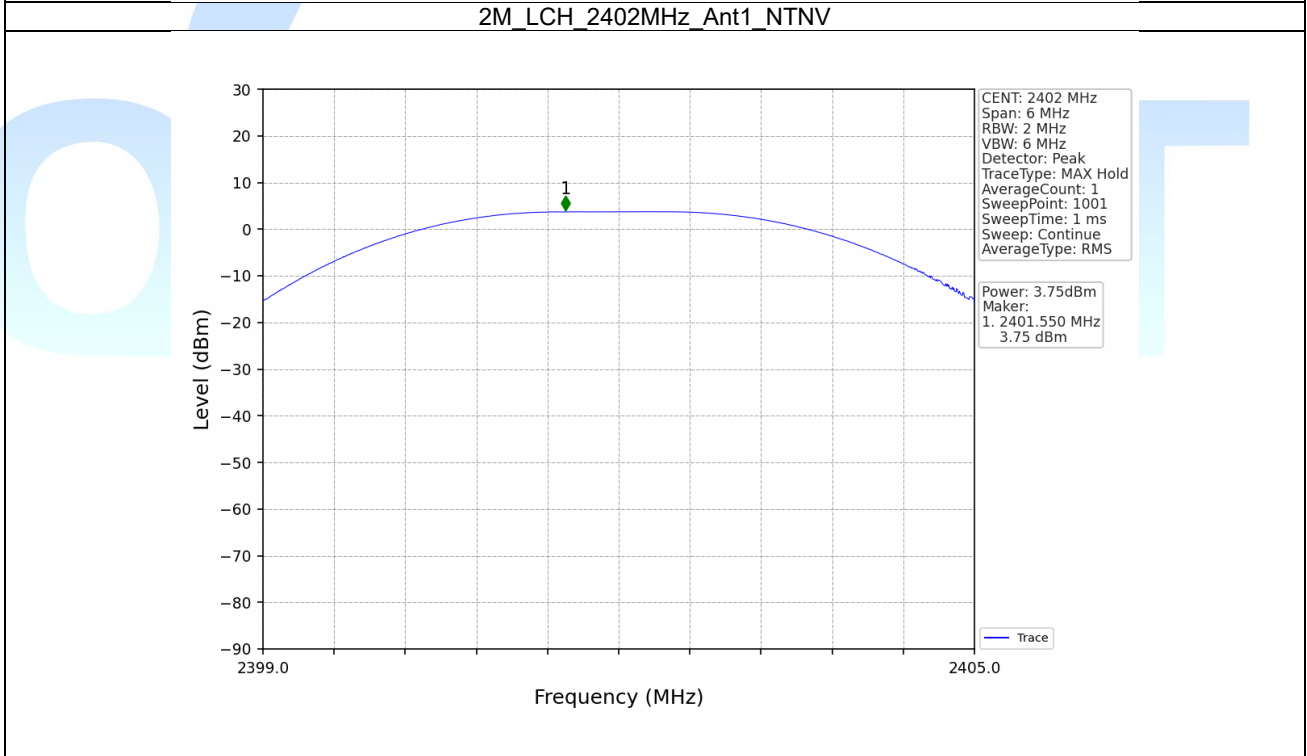
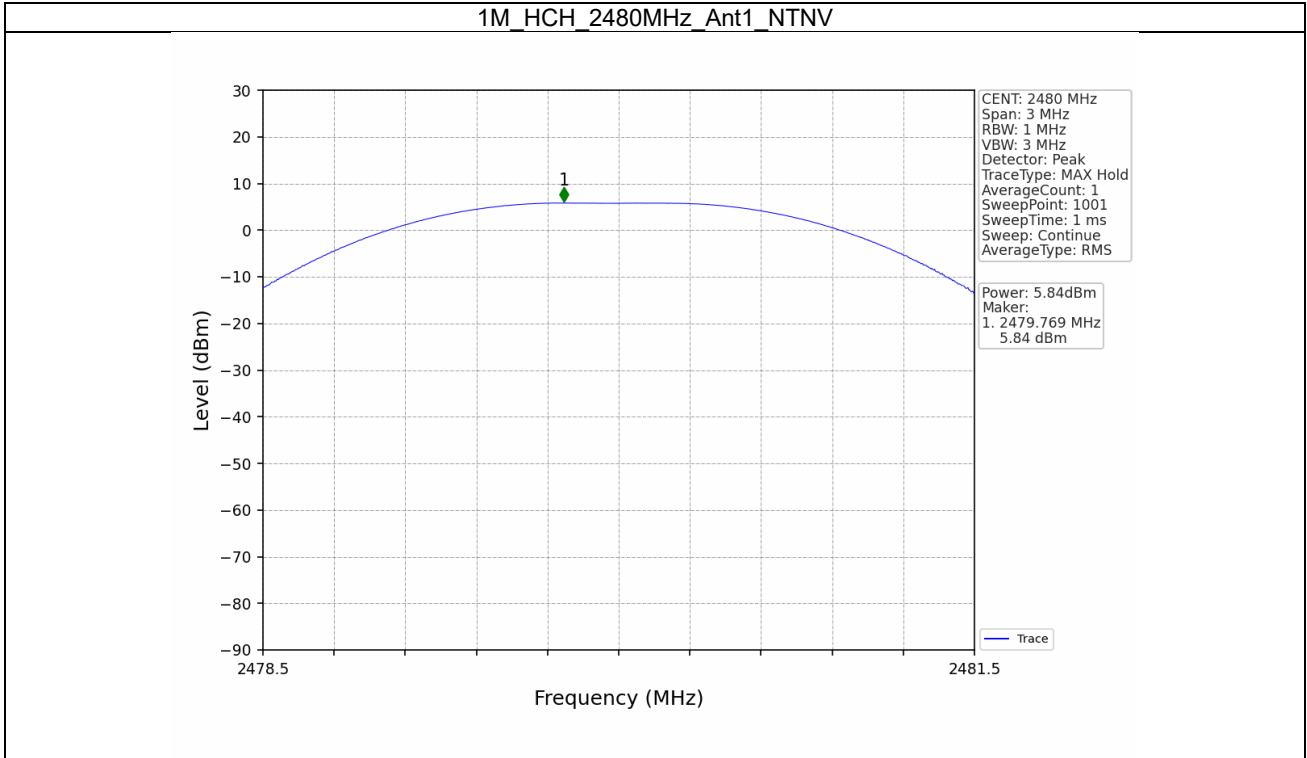
| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) | | Verdict |
|------|---------|-----------------|---|-------|---------|
| | | | ANT1 | Limit | |
| 1M | SISO | 2402 | 3.75 | <=30 | Pass |
| | | 2440 | 5.21 | <=30 | Pass |
| | | 2480 | 5.84 | <=30 | Pass |
| 2M | SISO | 2402 | 3.75 | <=30 | Pass |
| | | 2440 | 5.21 | <=30 | Pass |
| | | 2480 | 5.84 | <=30 | Pass |

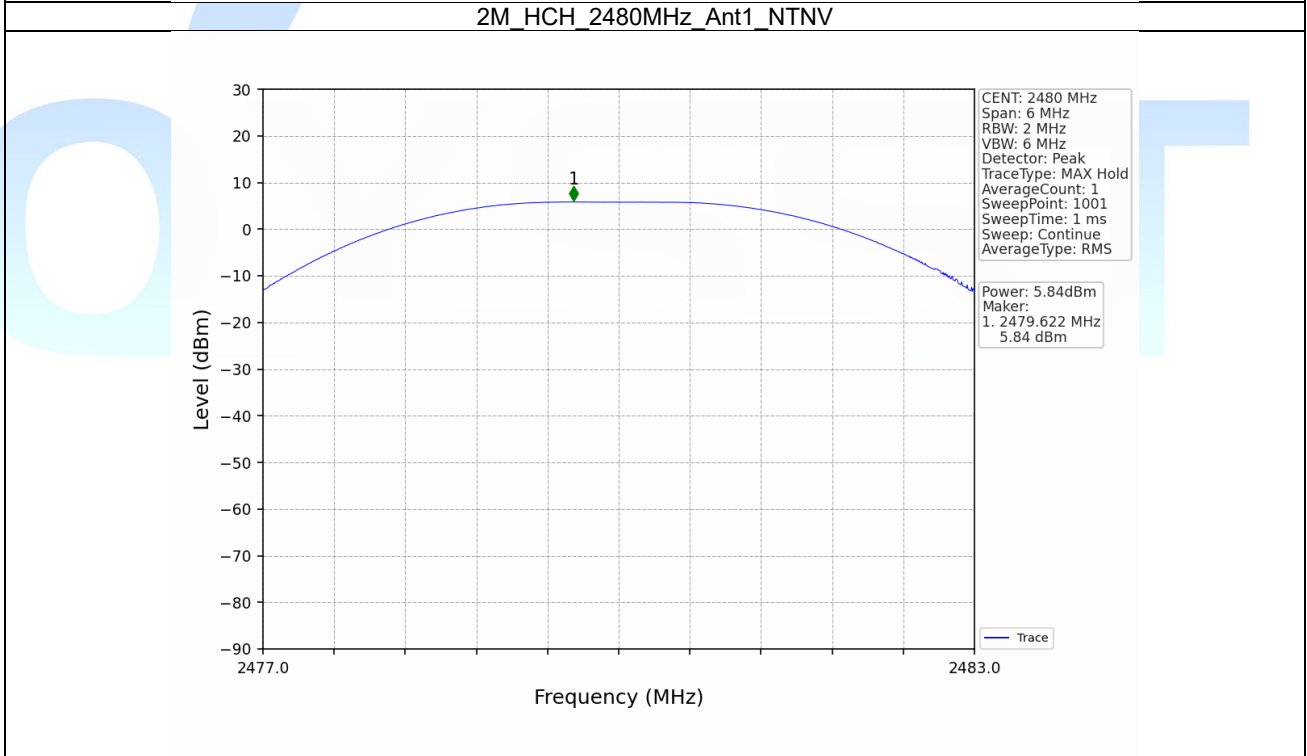
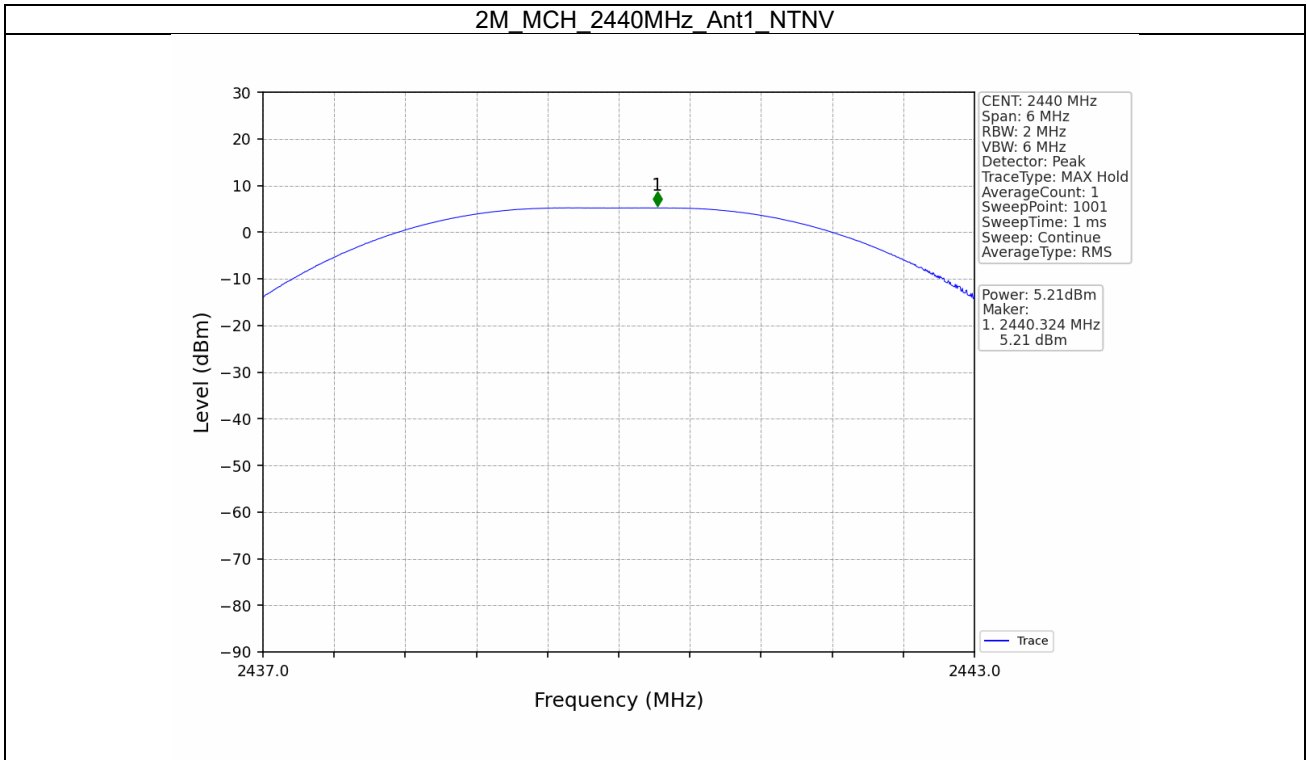
Note1: Antenna Gain: Ant1: 1.67dBi;

3.2 Test Graph

3.2.1 Power







4. Maximum Power Spectral Density

4.1 Test Result

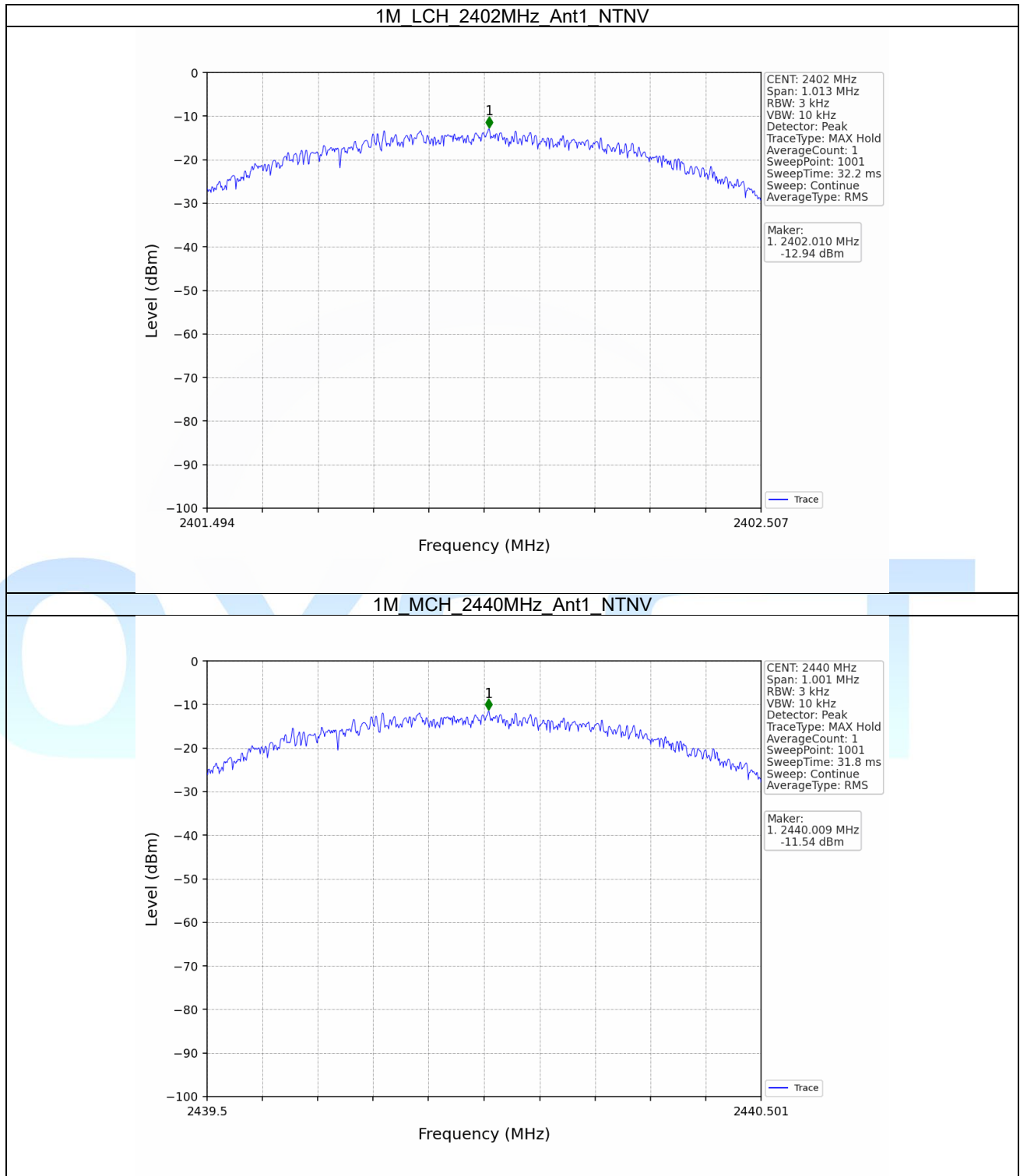
4.1.1 PSD

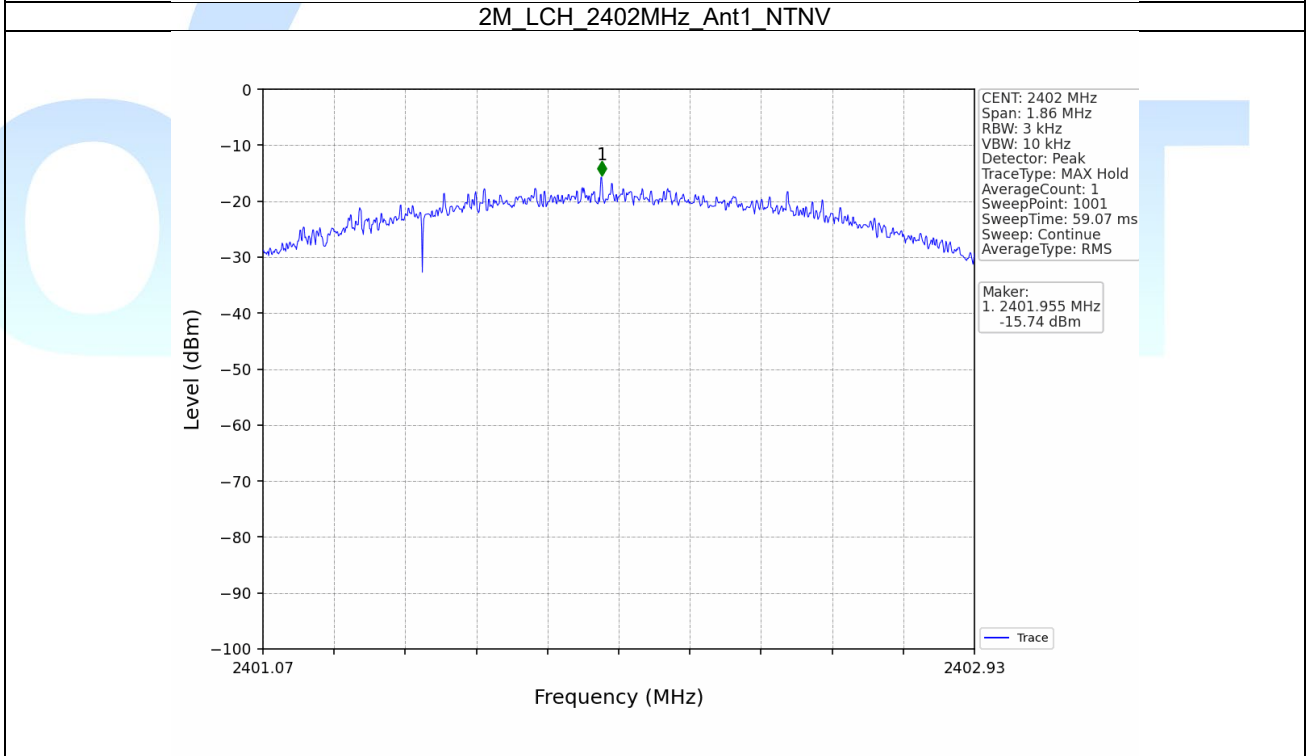
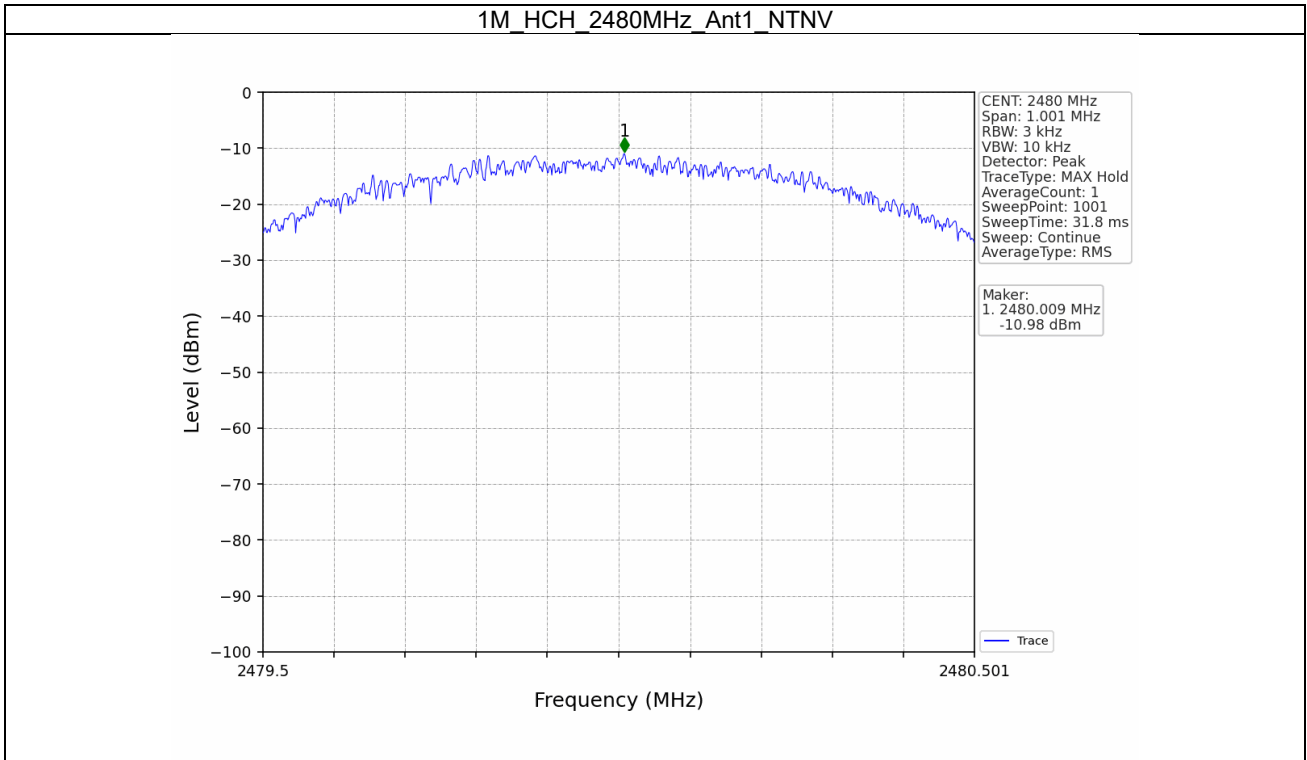
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | Verdict |
|------|---------|-----------------|------------------------|-------|---------|
| | | | ANT1 | Limit | |
| 1M | SISO | 2402 | -12.94 | <=8 | Pass |
| | | 2440 | -11.54 | <=8 | Pass |
| | | 2480 | -10.98 | <=8 | Pass |
| 2M | SISO | 2402 | -15.74 | <=8 | Pass |
| | | 2440 | -14.58 | <=8 | Pass |
| | | 2480 | -13.65 | <=8 | Pass |

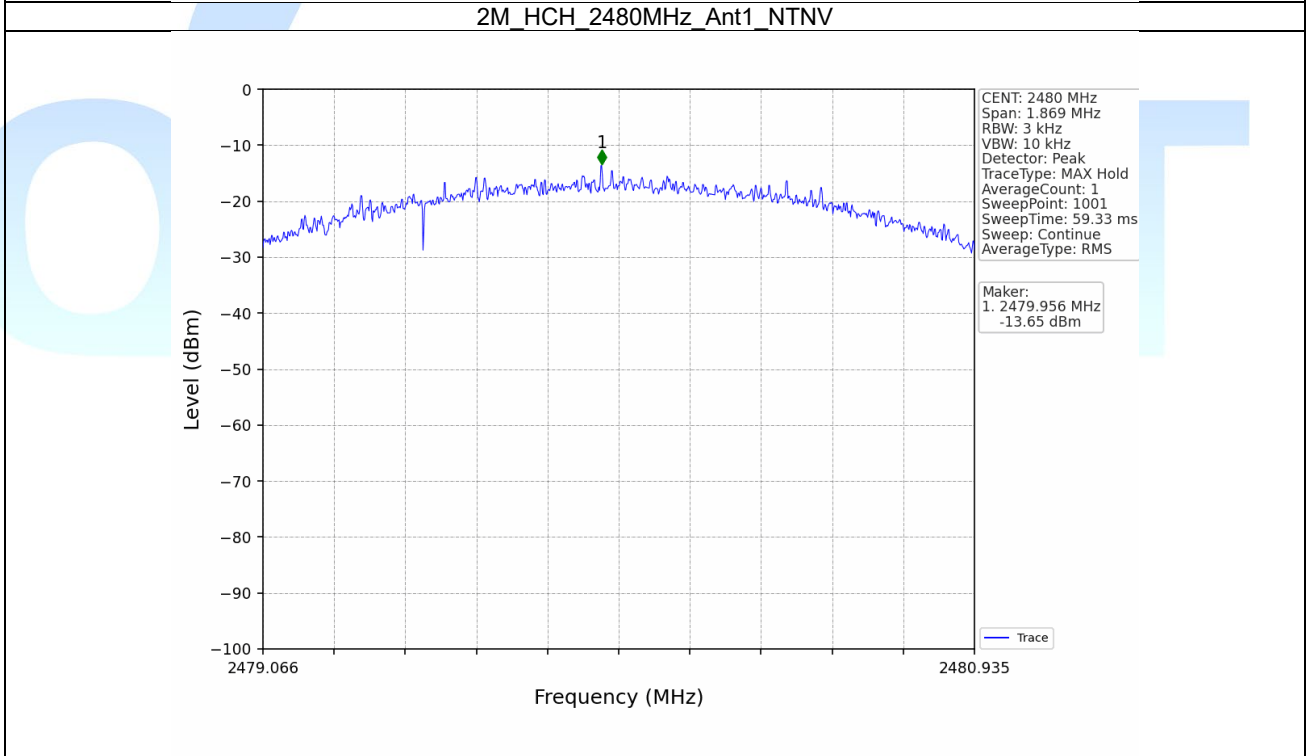
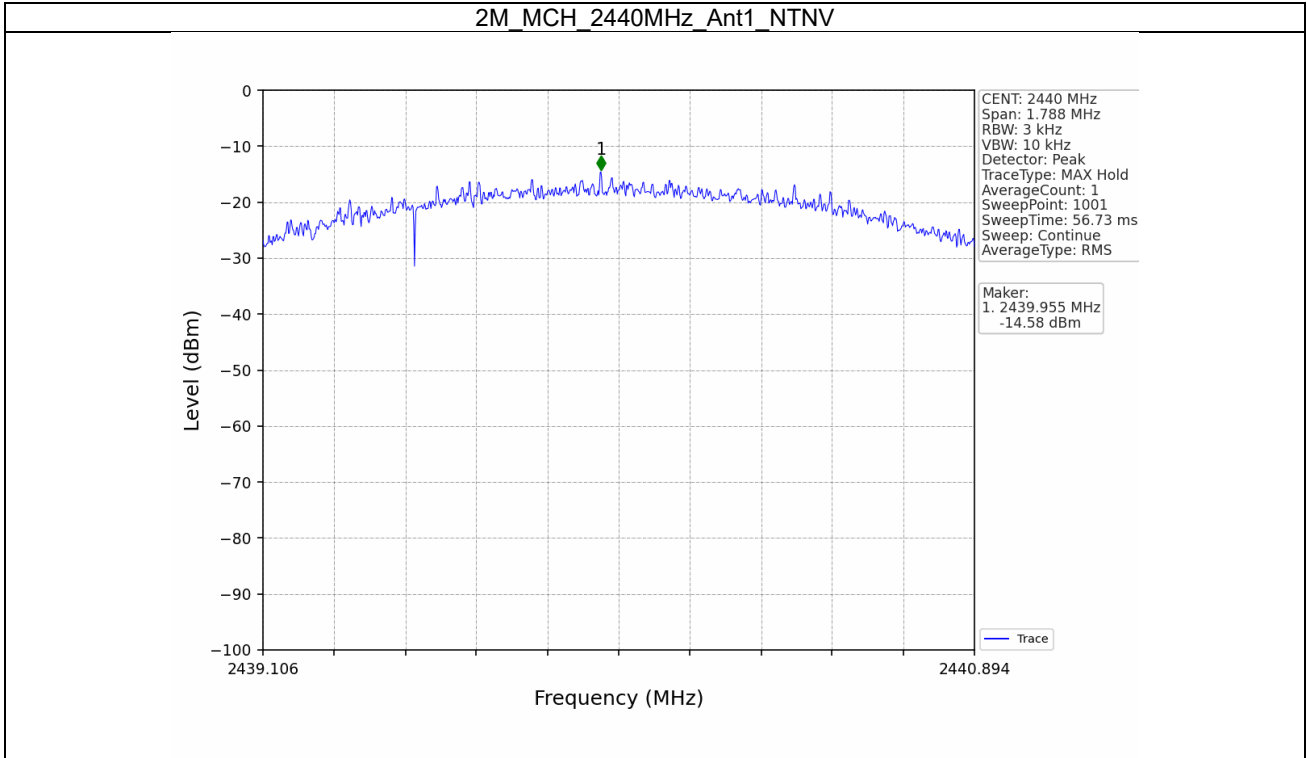
Note1: Antenna Gain: Ant1: 1.67dBi;

4.2 Test Graph

4.2.1 PSD







5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|------|---------|-----------------|-----|--------------------------|
| 1M | SISO | 2402 | 1 | 3.53 |
| | | 2440 | 1 | 4.98 |
| | | 2480 | 1 | 5.60 |
| 2M | SISO | 2402 | 1 | 2.43 |
| | | 2440 | 1 | 3.89 |
| | | 2480 | 1 | 4.50 |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

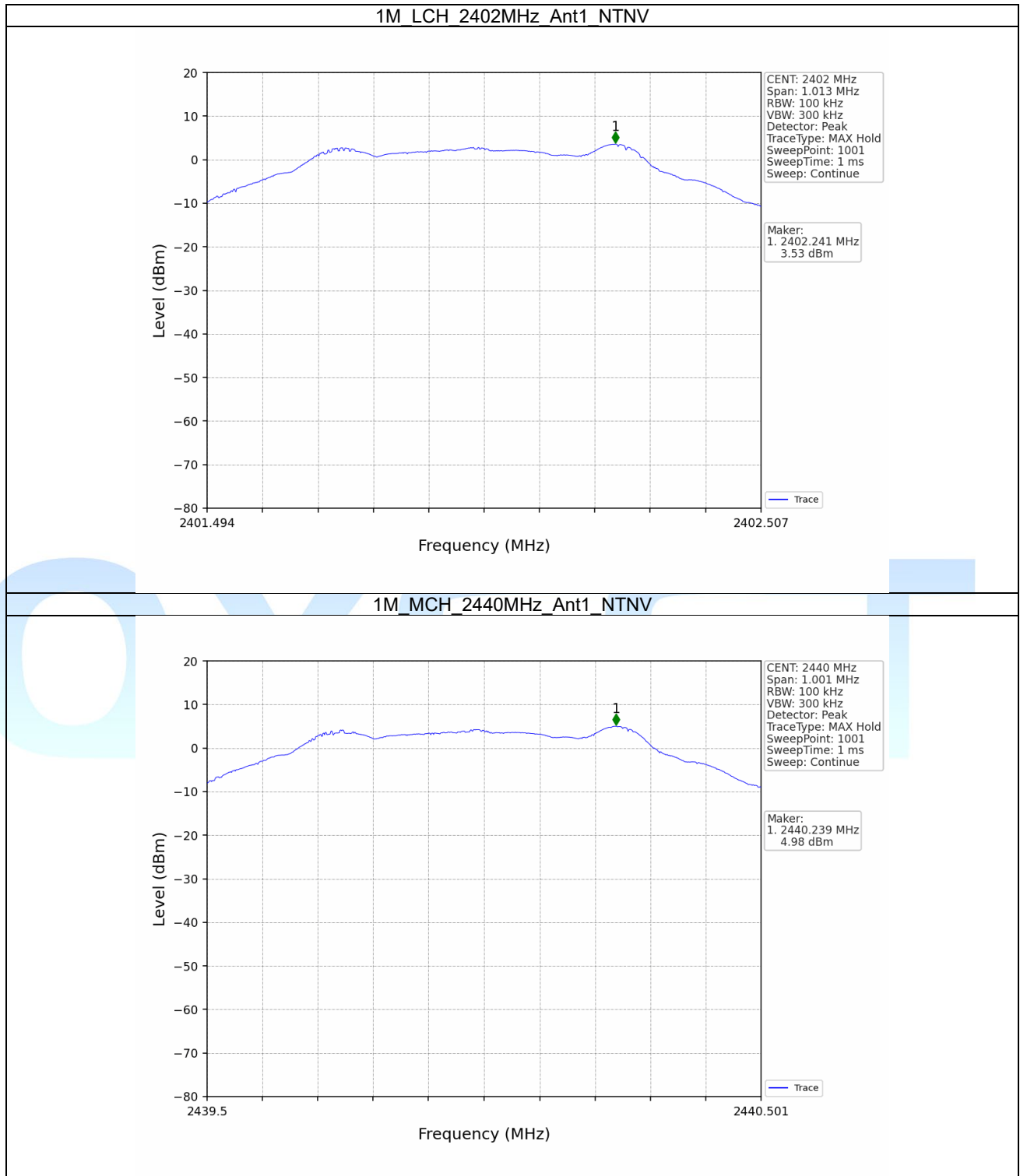
5.1.2 CSE

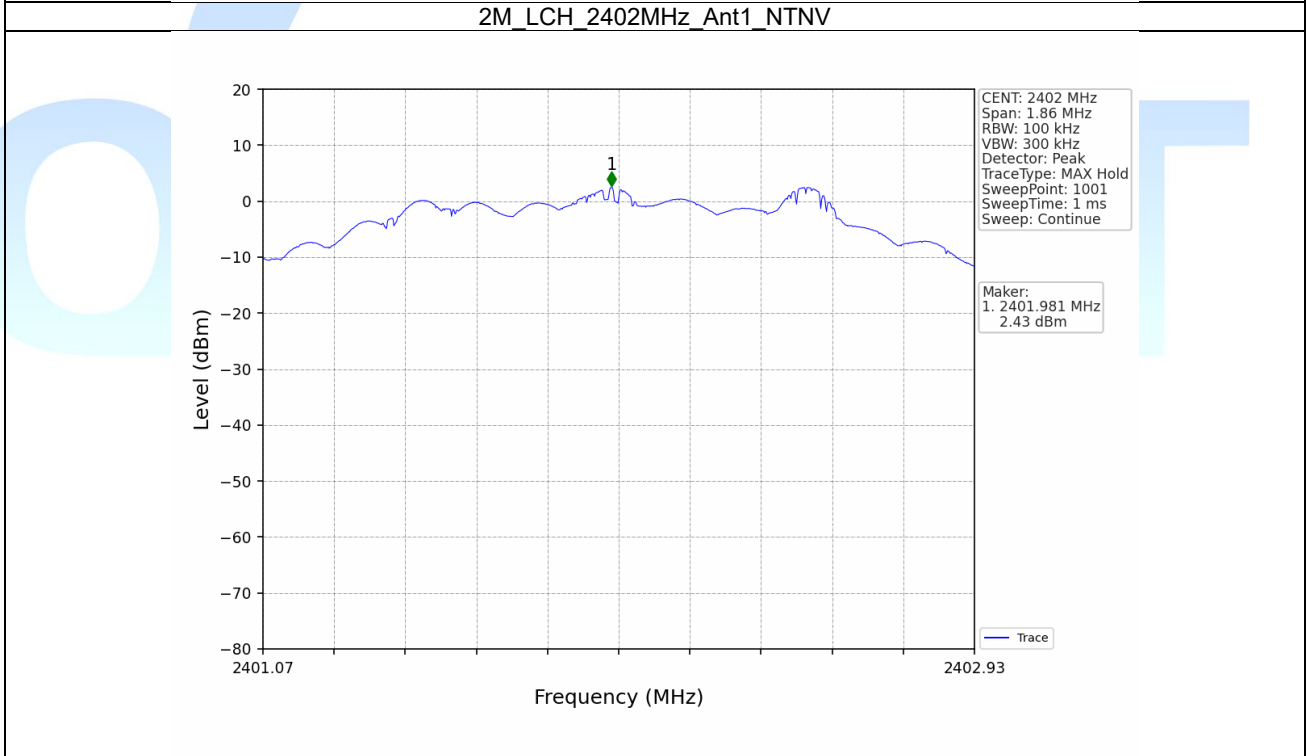
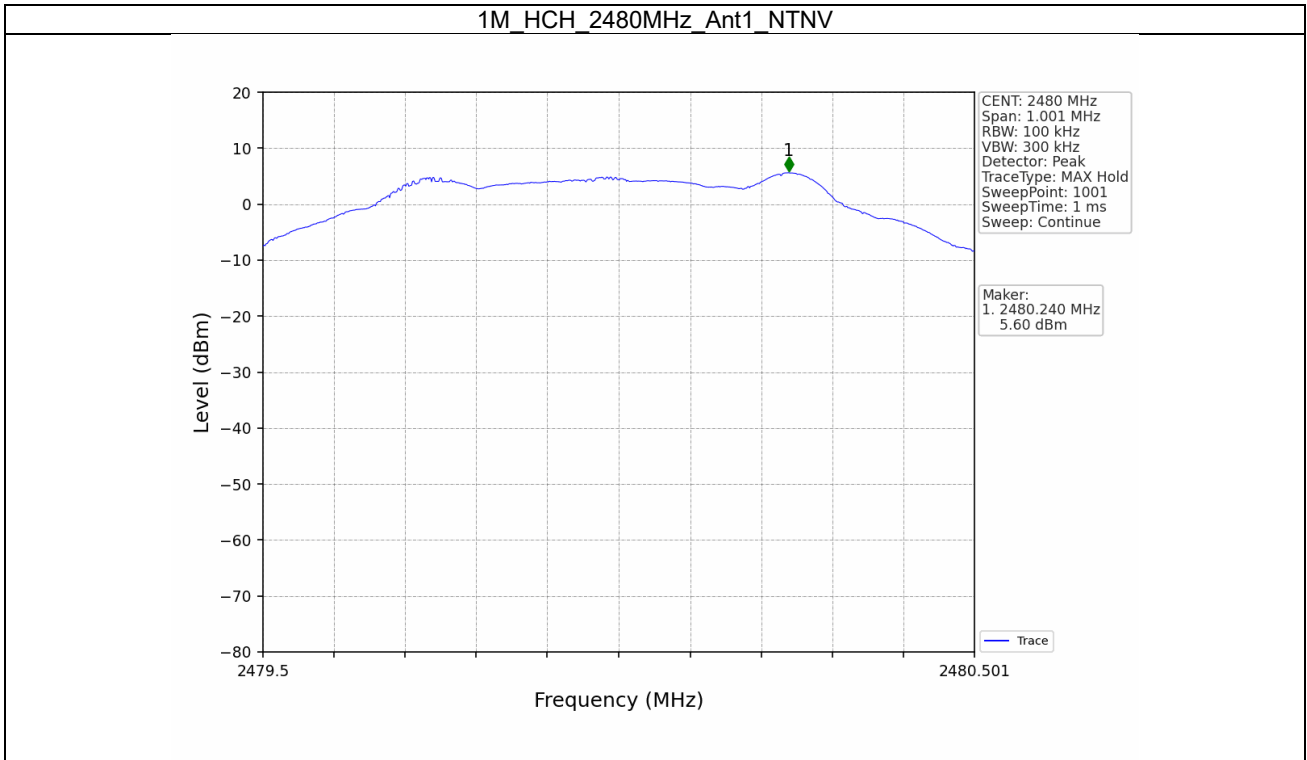
| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M | SISO | 2402 | 1 | 5.60 | -14.40 | Pass |
| | | 2440 | 1 | 5.60 | -14.40 | Pass |
| | | 2480 | 1 | 5.60 | -14.40 | Pass |
| 2M | SISO | 2402 | 1 | 4.50 | -15.50 | Pass |
| | | 2440 | 1 | 4.50 | -15.50 | Pass |
| | | 2480 | 1 | 4.50 | -15.50 | Pass |

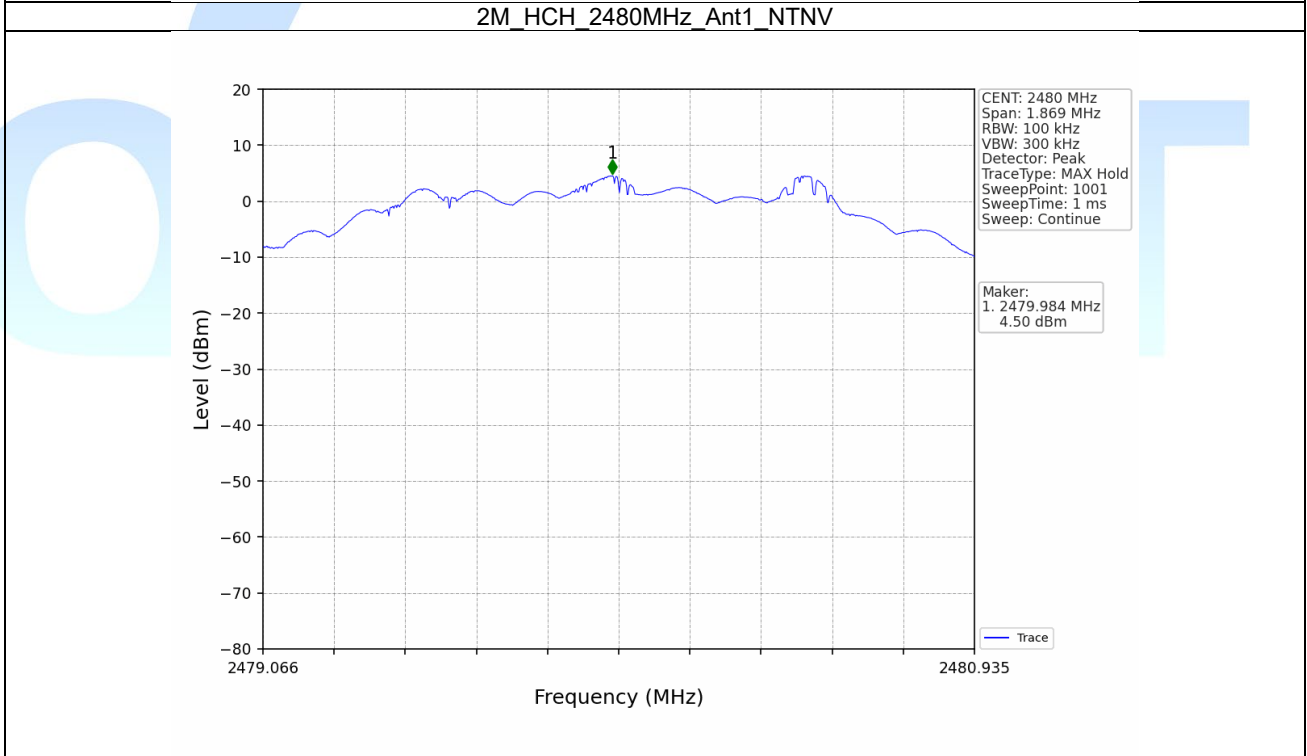
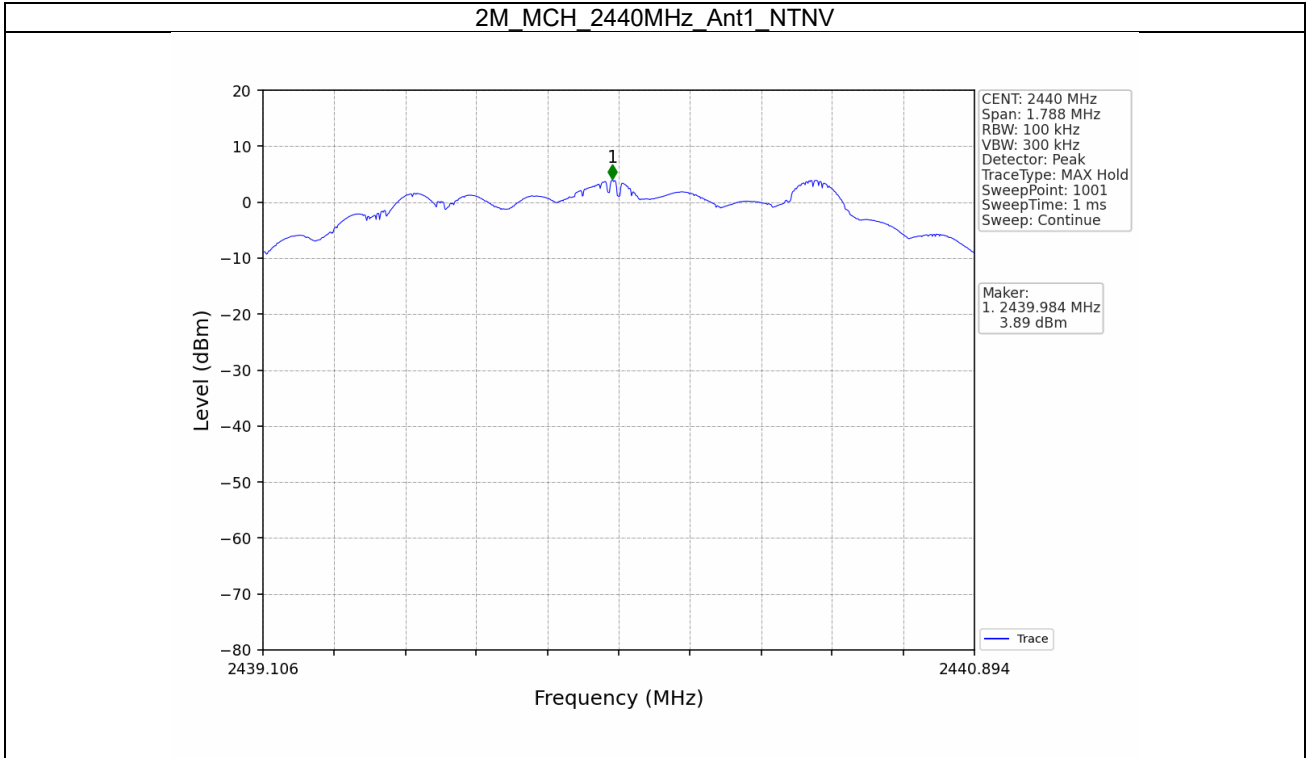
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2 Test Graph

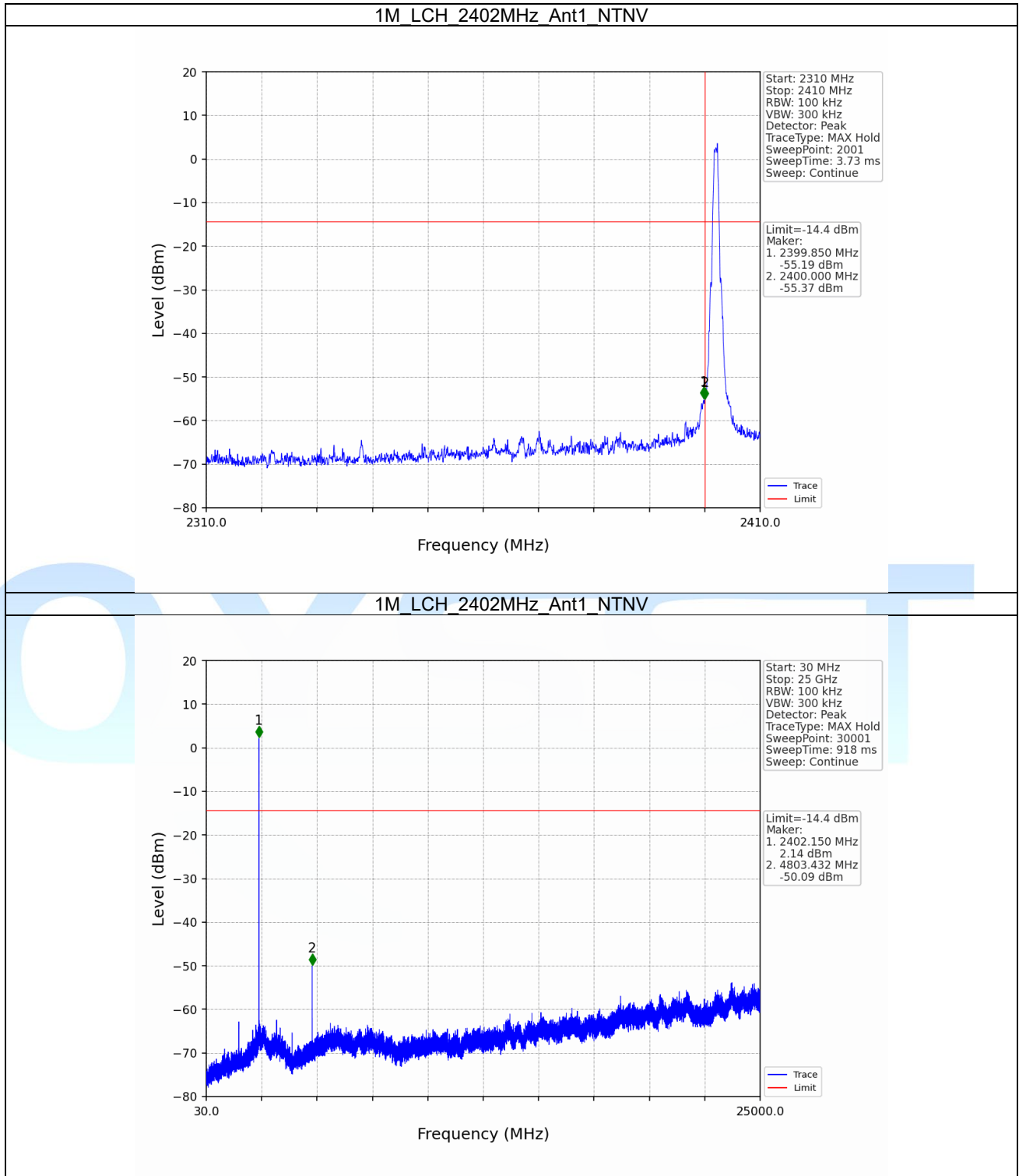
5.2.1 Ref

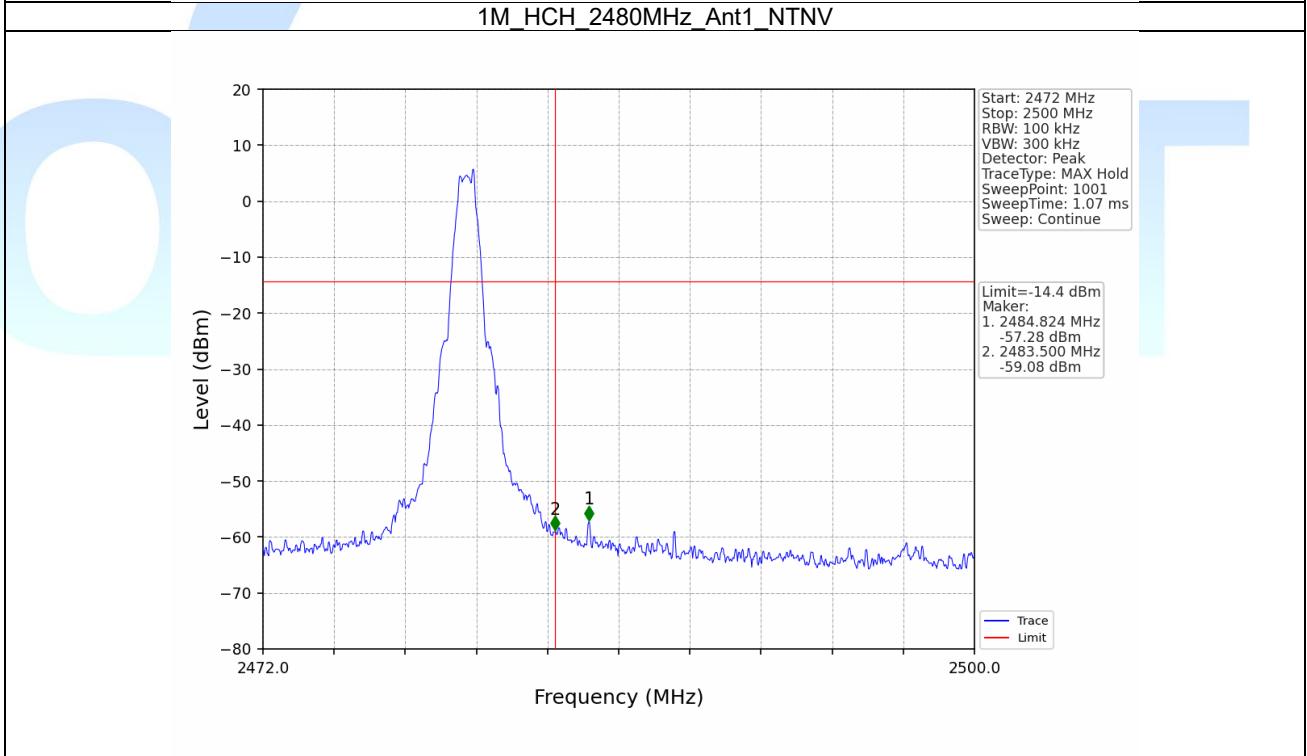
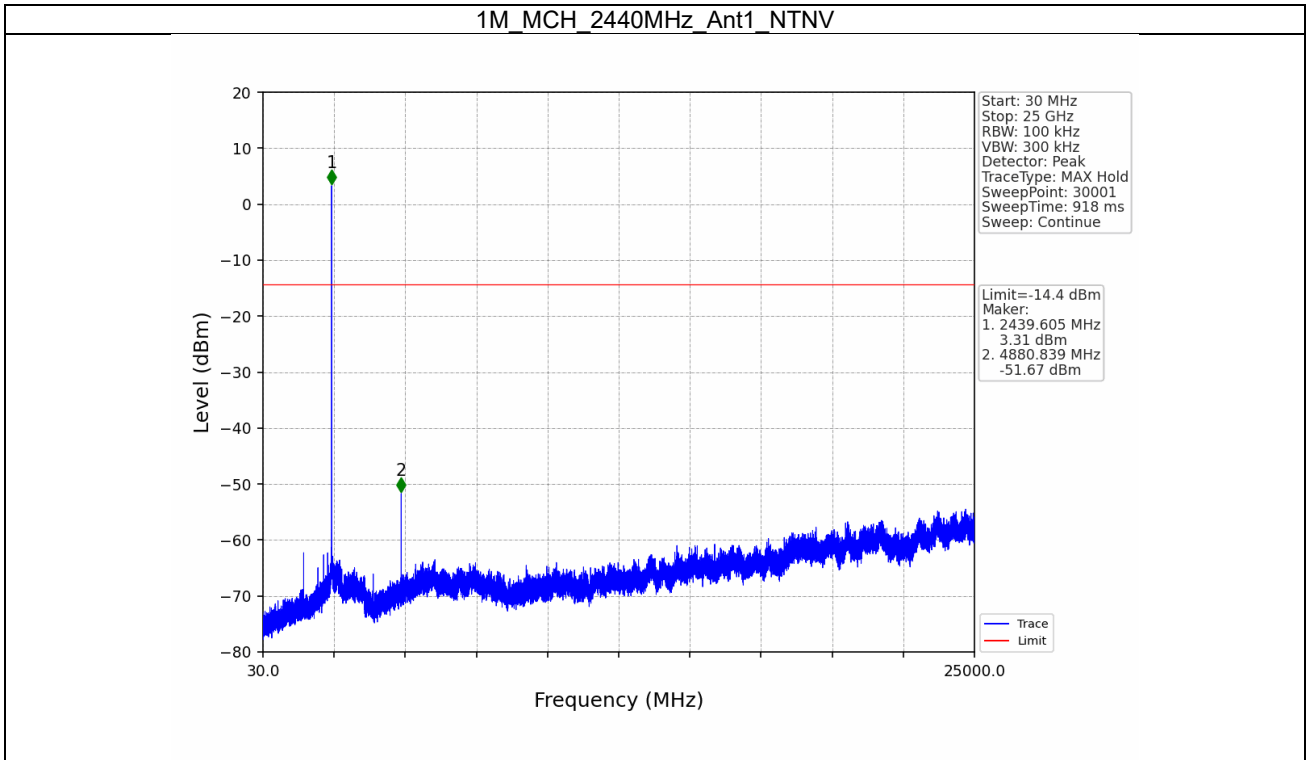




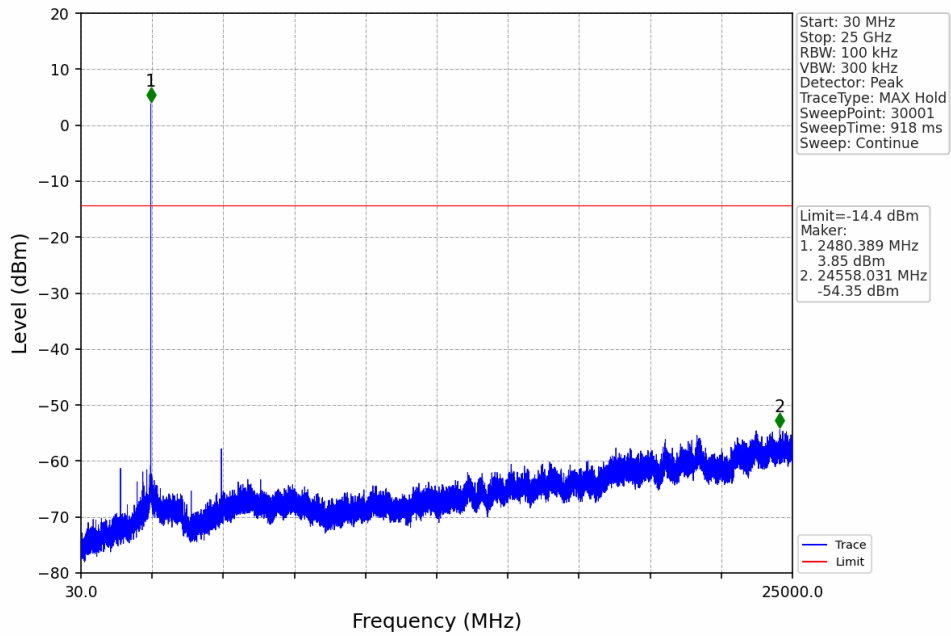


5.2.2 CSE

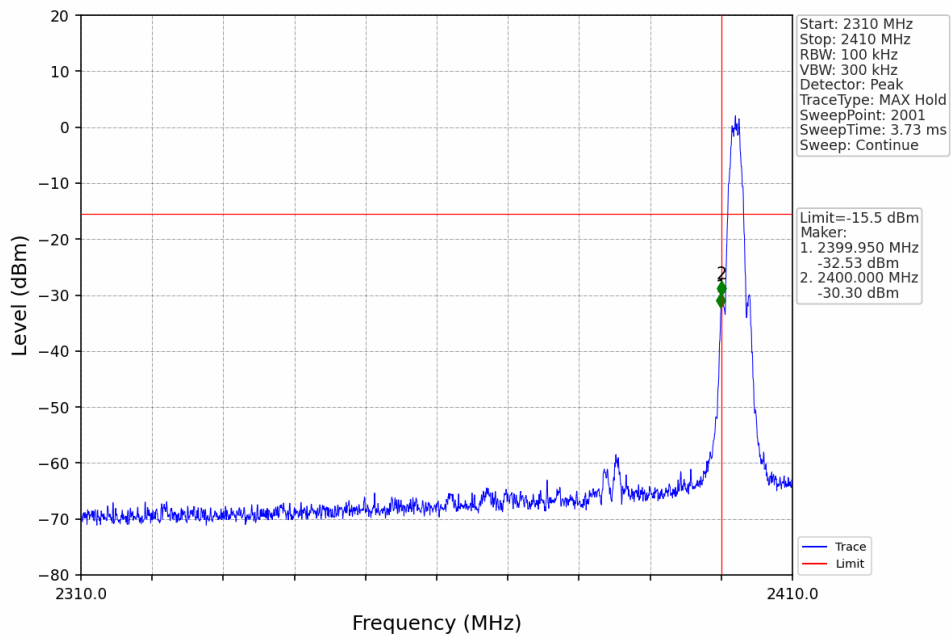




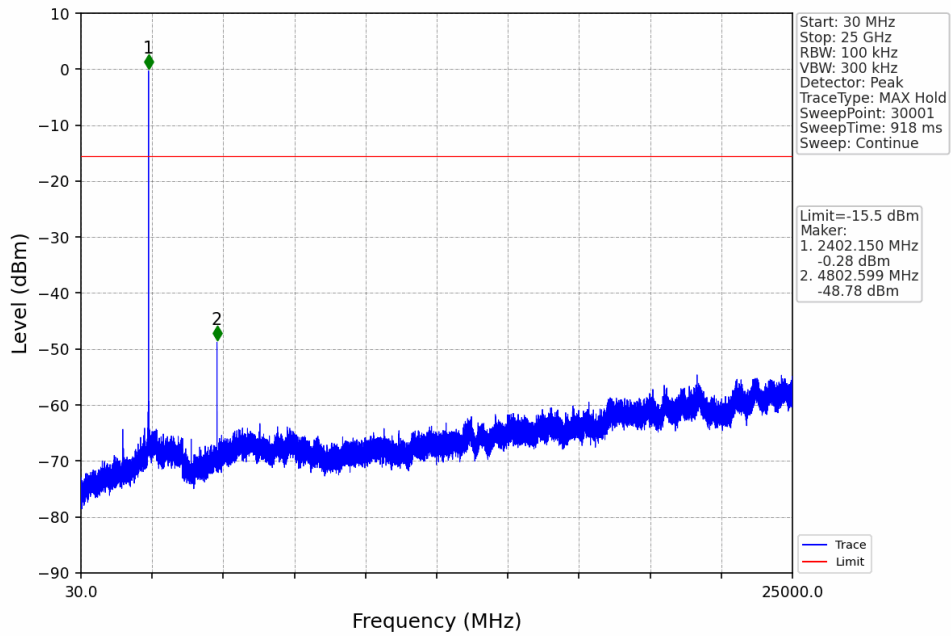
1M_HCH_2480MHz_Ant1_NTNV



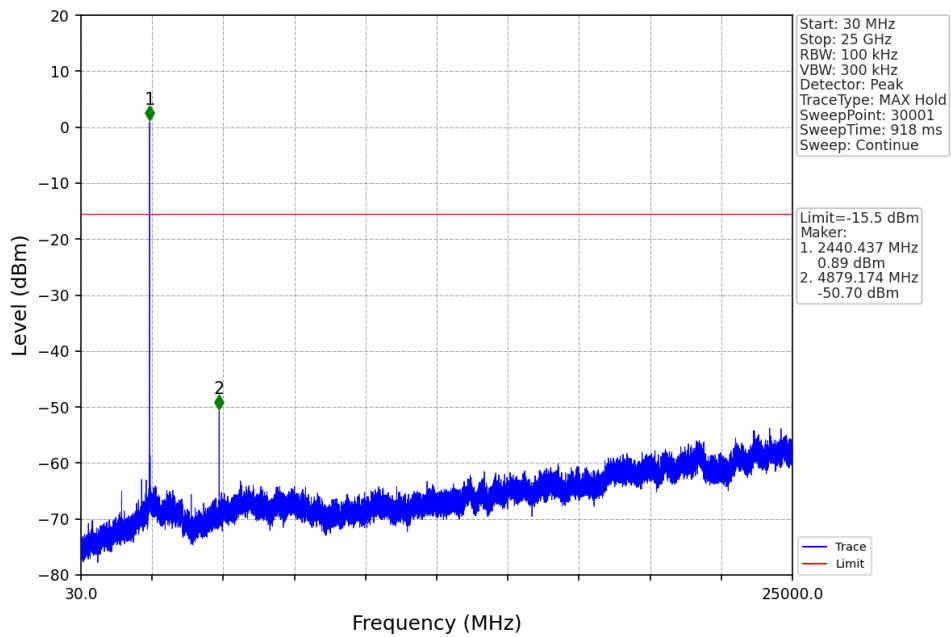
2M_LCH_2402MHz_Ant1_NTNV

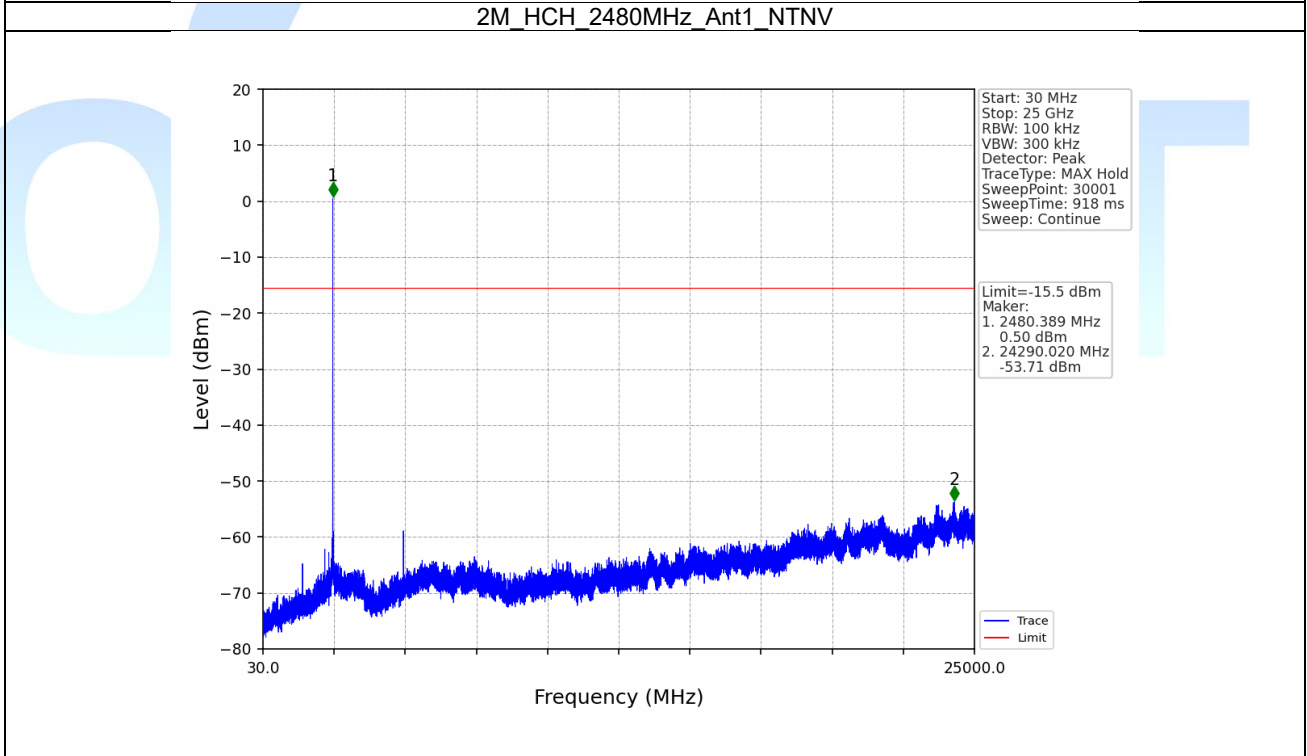
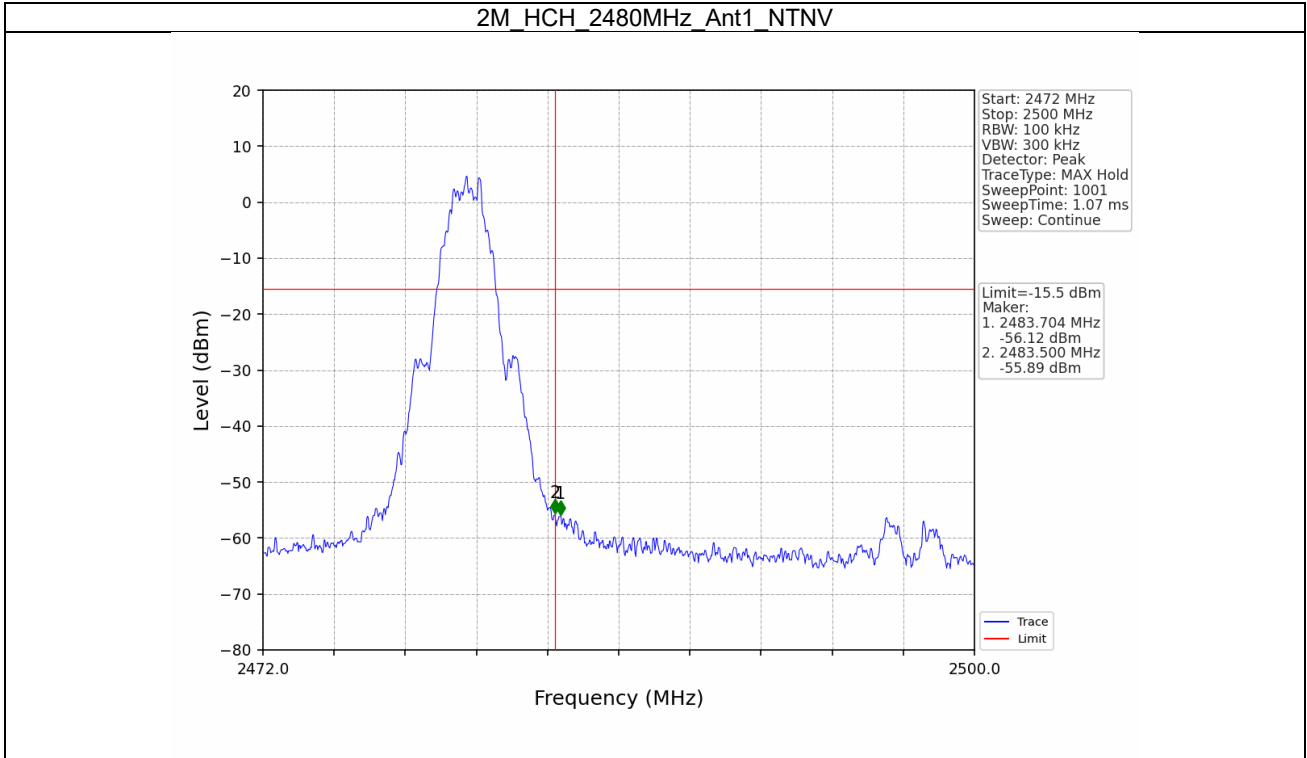


2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV





6. Unwanted Emissions In Restricted Frequency Bands

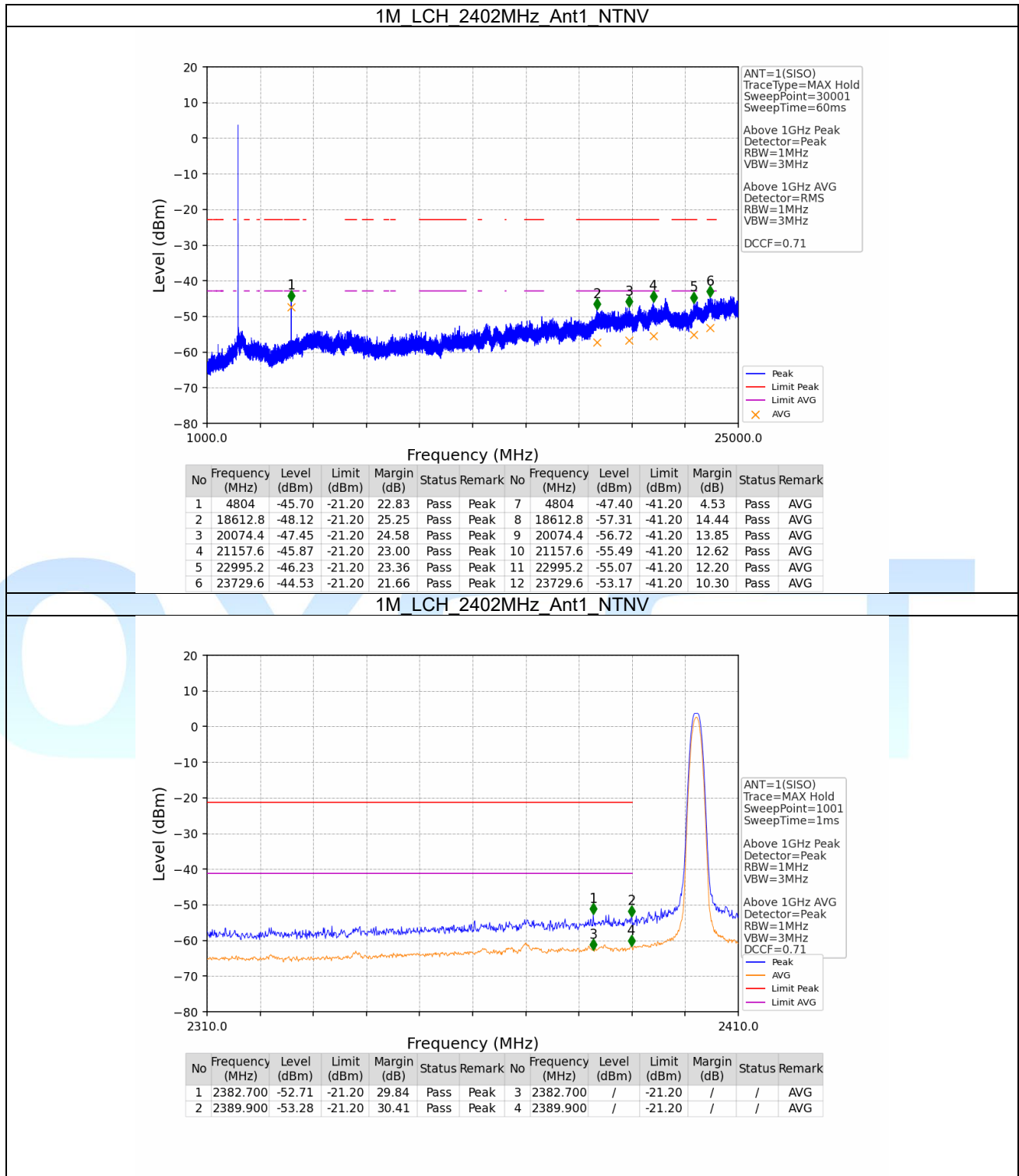
6.1 Test Result

6.1.1 RSE

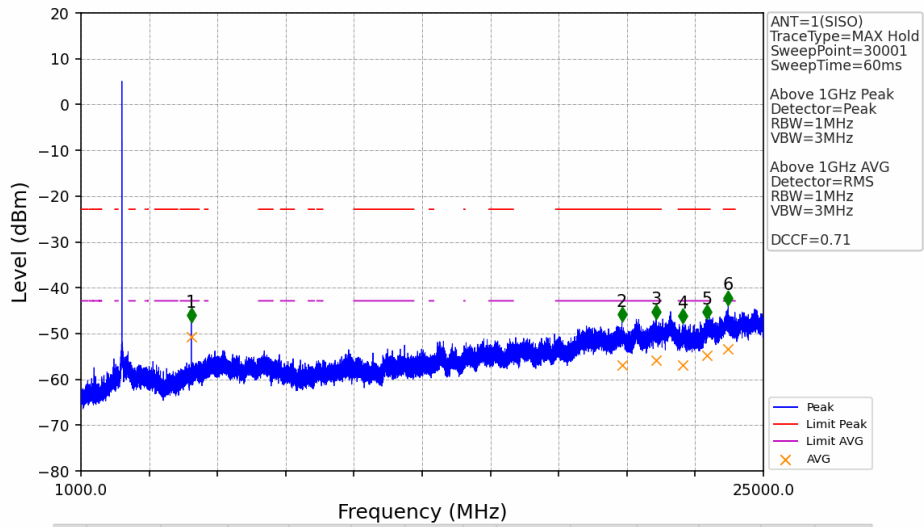
| Mode | TX Type | Frequency (MHz) | ANT | Level of Unwanted Emissions (dBm) | | Verdict |
|------|---------|-----------------|-----|-----------------------------------|-------|---------|
| | | | | Result | Limit | |
| 1M | SISO | 2402 | 1 | Refer To Test Graph | | Pass |
| | | 2440 | 1 | Refer To Test Graph | | Pass |
| | | 2480 | 1 | Refer To Test Graph | | Pass |
| 2M | SISO | 2402 | 1 | Refer To Test Graph | | Pass |
| | | 2440 | 1 | Refer To Test Graph | | Pass |
| | | 2480 | 1 | Refer To Test Graph | | Pass |

6.2 Test Graph

6.2.1 RSE

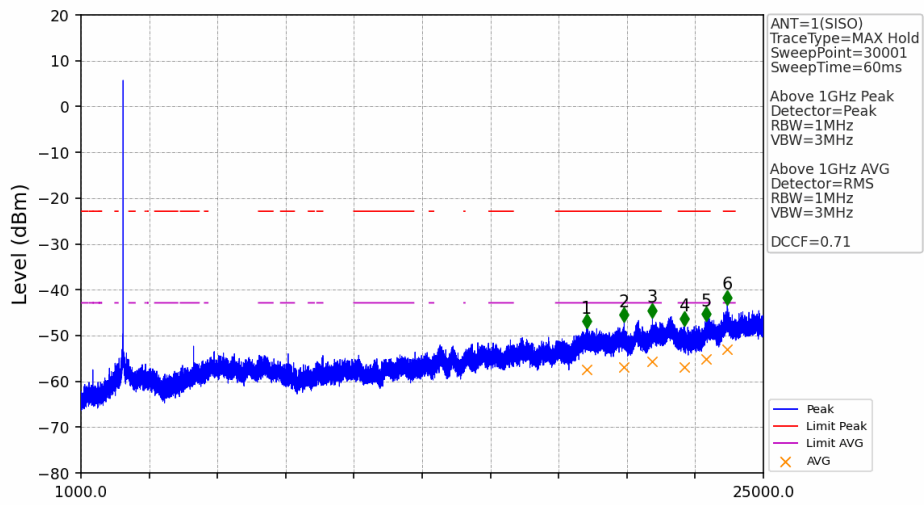


1M_MCH_2440MHz_Ant1_NTNV



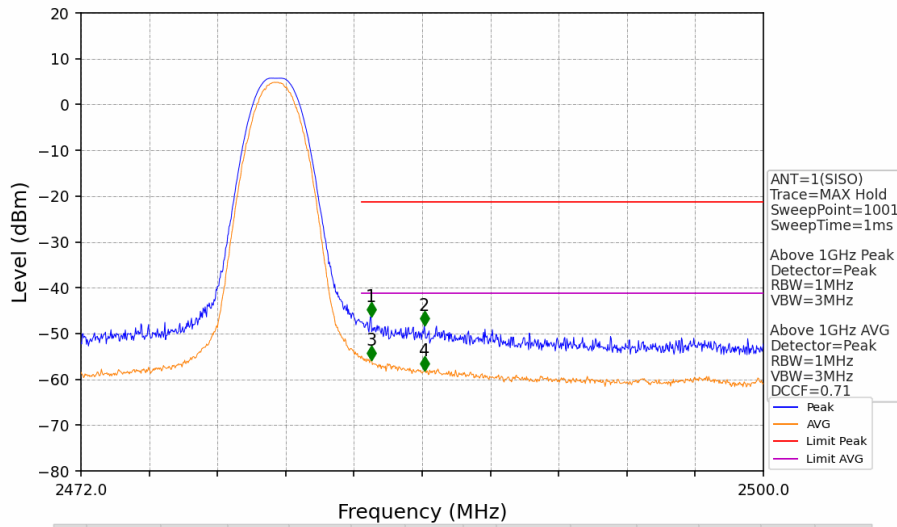
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 4880 | -47.50 | -21.20 | 24.63 | Pass | Peak | 7 | 4880 | -50.75 | -41.20 | 7.88 | Pass | AVG |
| 2 | 20024 | -47.40 | -21.20 | 24.53 | Pass | Peak | 8 | 20024 | -56.94 | -41.20 | 14.07 | Pass | AVG |
| 3 | 21225.6 | -46.88 | -21.20 | 24.00 | Pass | Peak | 9 | 21225.6 | -55.86 | -41.20 | 12.99 | Pass | AVG |
| 4 | 22174.4 | -47.80 | -21.20 | 24.93 | Pass | Peak | 10 | 22174.4 | -56.86 | -41.20 | 13.99 | Pass | AVG |
| 5 | 23005.6 | -46.83 | -21.20 | 23.96 | Pass | Peak | 11 | 23005.6 | -54.72 | -41.20 | 11.85 | Pass | AVG |
| 6 | 23761.6 | -43.76 | -21.20 | 20.89 | Pass | Peak | 12 | 23761.6 | -53.30 | -41.20 | 10.43 | Pass | AVG |

1M_HCH_2480MHz_Ant1_NTNV



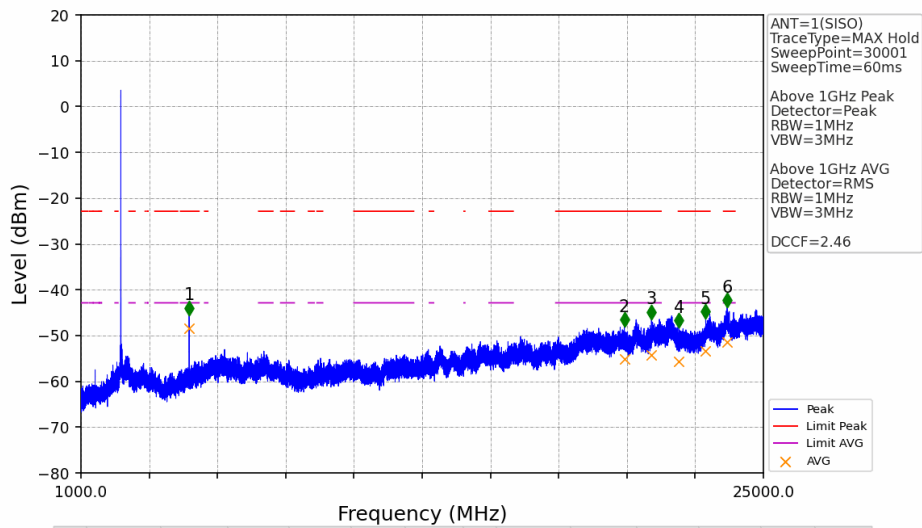
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 18778.4 | -48.38 | -21.20 | 25.51 | Pass | Peak | 7 | 18778.4 | -57.35 | -41.20 | 14.48 | Pass | AVG |
| 2 | 20104 | -46.97 | -21.20 | 24.09 | Pass | Peak | 8 | 20104 | -56.85 | -41.20 | 13.98 | Pass | AVG |
| 3 | 21098.4 | -46.05 | -21.20 | 23.18 | Pass | Peak | 9 | 21098.4 | -55.65 | -41.20 | 12.78 | Pass | AVG |
| 4 | 22232.8 | -47.89 | -21.20 | 25.02 | Pass | Peak | 10 | 22232.8 | -56.84 | -41.20 | 13.97 | Pass | AVG |
| 5 | 22993.6 | -46.92 | -21.20 | 24.05 | Pass | Peak | 11 | 22993.6 | -55.14 | -41.20 | 12.27 | Pass | AVG |
| 6 | 23729.6 | -43.23 | -21.20 | 20.36 | Pass | Peak | 12 | 23729.6 | -53.06 | -41.20 | 10.19 | Pass | AVG |

1M_HCH_2480MHz_Ant1_NTNV



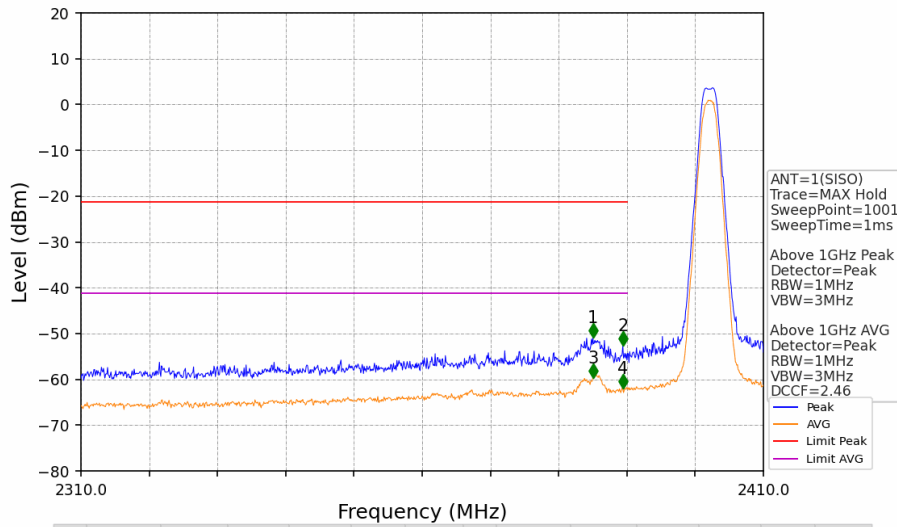
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 2483.900 | -46.37 | -21.20 | 23.50 | Pass | Peak | 3 | 2483.900 | / | -21.20 | / | / | AVG |
| 2 | 2486.084 | -48.24 | -21.20 | 25.37 | Pass | Peak | 4 | 2486.084 | / | -21.20 | / | / | AVG |

2M_LCH_2402MHz_Ant1_NTNV



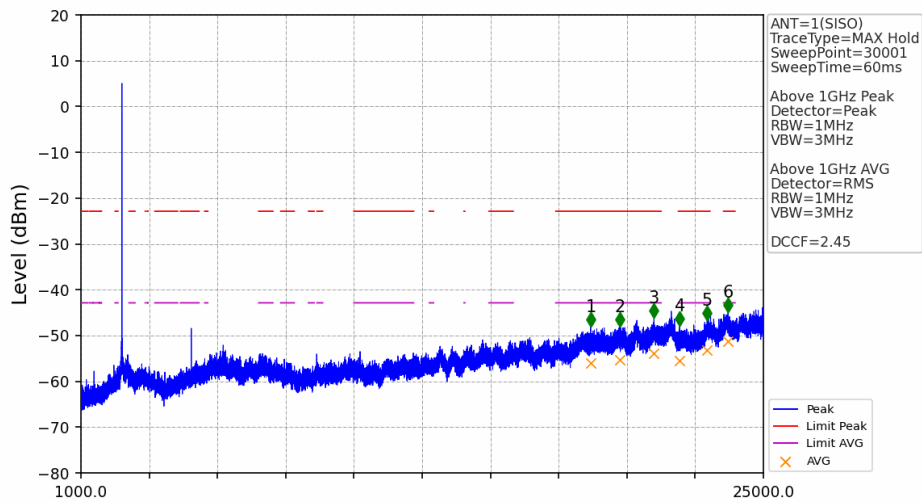
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 4803.2 | -45.53 | -21.20 | 22.66 | Pass | Peak | 7 | 4803.2 | -48.42 | -41.20 | 5.55 | Pass | AVG |
| 2 | 20108.8 | -48.03 | -21.20 | 25.16 | Pass | Peak | 8 | 20108.8 | -55.07 | -41.20 | 12.20 | Pass | AVG |
| 3 | 21064 | -46.41 | -21.20 | 23.54 | Pass | Peak | 9 | 21064 | -54.26 | -41.20 | 11.39 | Pass | AVG |
| 4 | 22025.6 | -48.26 | -21.20 | 25.39 | Pass | Peak | 10 | 22025.6 | -55.62 | -41.20 | 12.75 | Pass | AVG |
| 5 | 22971.2 | -46.32 | -21.20 | 23.45 | Pass | Peak | 11 | 22971.2 | -53.43 | -41.20 | 10.56 | Pass | AVG |
| 6 | 23725.6 | -43.84 | -21.20 | 20.97 | Pass | Peak | 12 | 23725.6 | -51.49 | -41.20 | 8.62 | Pass | AVG |

2M LCH_2402MHz_Ant1_NTNV



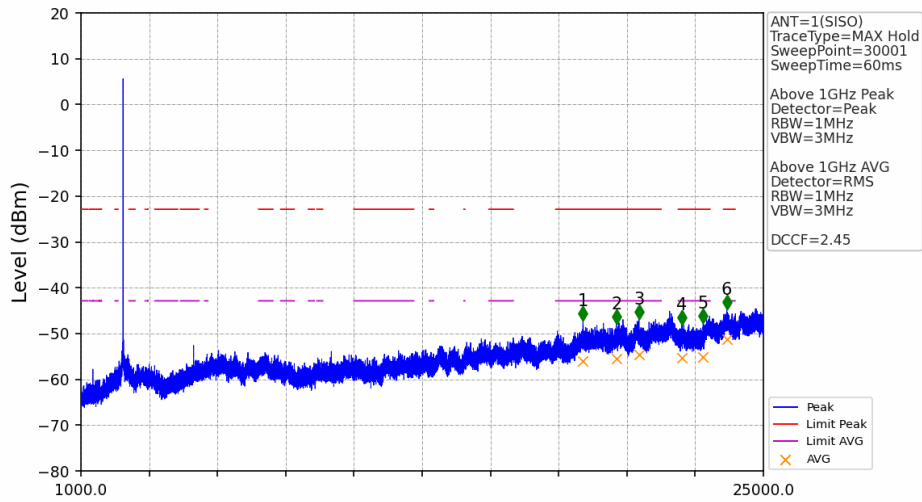
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 2385.000 | -50.84 | -21.20 | 27.97 | Pass | Peak | 3 | 2385.000 | / | -21.20 | / | / | AVG |
| 2 | 2389.400 | -52.61 | -21.20 | 29.74 | Pass | Peak | 4 | 2389.400 | / | -21.20 | / | / | AVG |

2M MCH_2440MHz_Ant1_NTNV



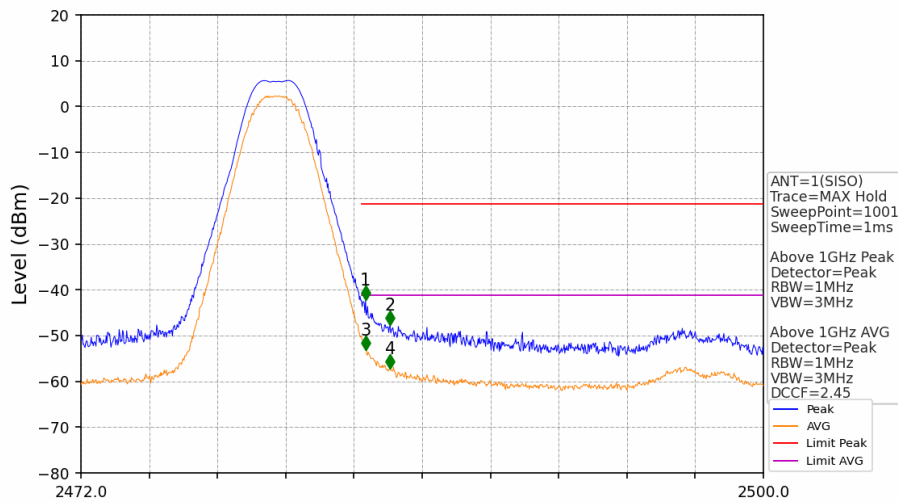
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 18924 | -48.15 | -21.20 | 25.28 | Pass | Peak | 7 | 18924 | -55.96 | -41.20 | 13.09 | Pass | AVG |
| 2 | 19949.6 | -48.08 | -21.20 | 25.21 | Pass | Peak | 8 | 19949.6 | -55.33 | -41.20 | 12.46 | Pass | AVG |
| 3 | 21152 | -46.17 | -21.20 | 23.30 | Pass | Peak | 9 | 21152 | -53.84 | -41.20 | 10.97 | Pass | AVG |
| 4 | 22053.6 | -47.94 | -21.20 | 25.07 | Pass | Peak | 10 | 22053.6 | -55.43 | -41.20 | 12.56 | Pass | AVG |
| 5 | 23021.6 | -46.74 | -21.20 | 23.88 | Pass | Peak | 11 | 23021.6 | -53.24 | -41.20 | 10.37 | Pass | AVG |
| 6 | 23756.8 | -44.90 | -21.20 | 22.03 | Pass | Peak | 12 | 23756.8 | -51.29 | -41.20 | 8.42 | Pass | AVG |

2M_HCH_2480MHz_Ant1_NTNV



| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 18656 | -47.16 | -21.20 | 24.29 | Pass | Peak | 7 | 18656 | -55.94 | -41.20 | 13.07 | Pass | AVG |
| 2 | 19828.8 | -47.89 | -21.20 | 25.02 | Pass | Peak | 8 | 19828.8 | -55.48 | -41.20 | 12.61 | Pass | AVG |
| 3 | 20624 | -46.79 | -21.20 | 23.92 | Pass | Peak | 9 | 20624 | -54.55 | -41.20 | 11.68 | Pass | AVG |
| 4 | 22135.2 | -48.05 | -21.20 | 25.18 | Pass | Peak | 10 | 22135.2 | -55.30 | -41.20 | 12.43 | Pass | AVG |
| 5 | 22880.8 | -47.77 | -21.20 | 24.90 | Pass | Peak | 11 | 22880.8 | -55.05 | -41.20 | 12.18 | Pass | AVG |
| 6 | 23712 | -44.74 | -21.20 | 21.87 | Pass | Peak | 12 | 23712 | -51.31 | -41.20 | 8.44 | Pass | AVG |

2M_HCH_2480MHz_Ant1_NTNV



| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1 | 2483.676 | -42.32 | -21.20 | 19.45 | Pass | Peak | 3 | 2483.676 | / | -21.20 | / | / | AVG |
| 2 | 2484.684 | -47.73 | -21.20 | 24.86 | Pass | Peak | 4 | 2484.684 | / | -21.20 | / | / | AVG |

▶▶▶ END OF REPORT ◀◀◀