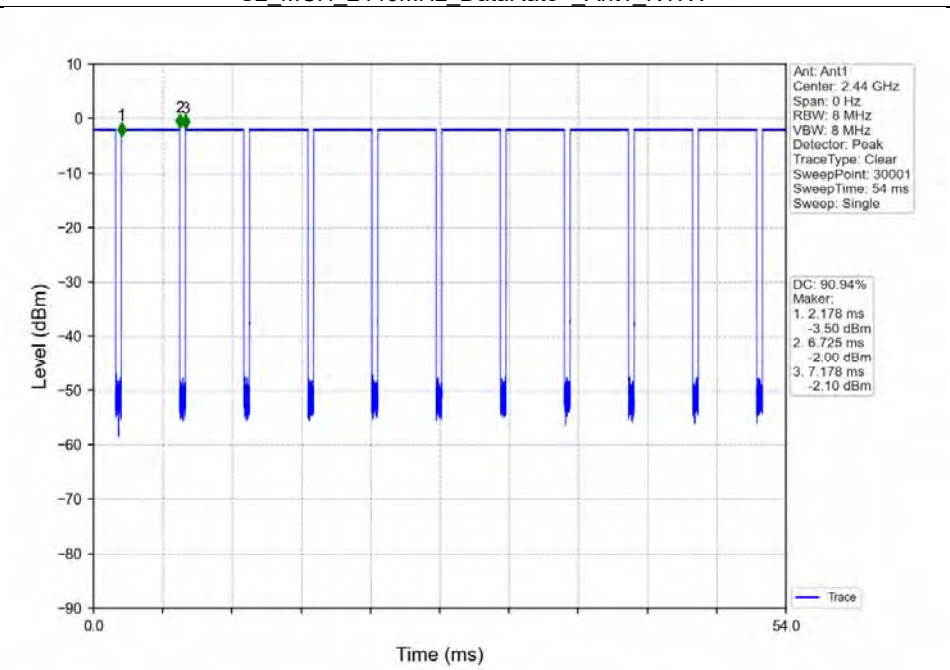
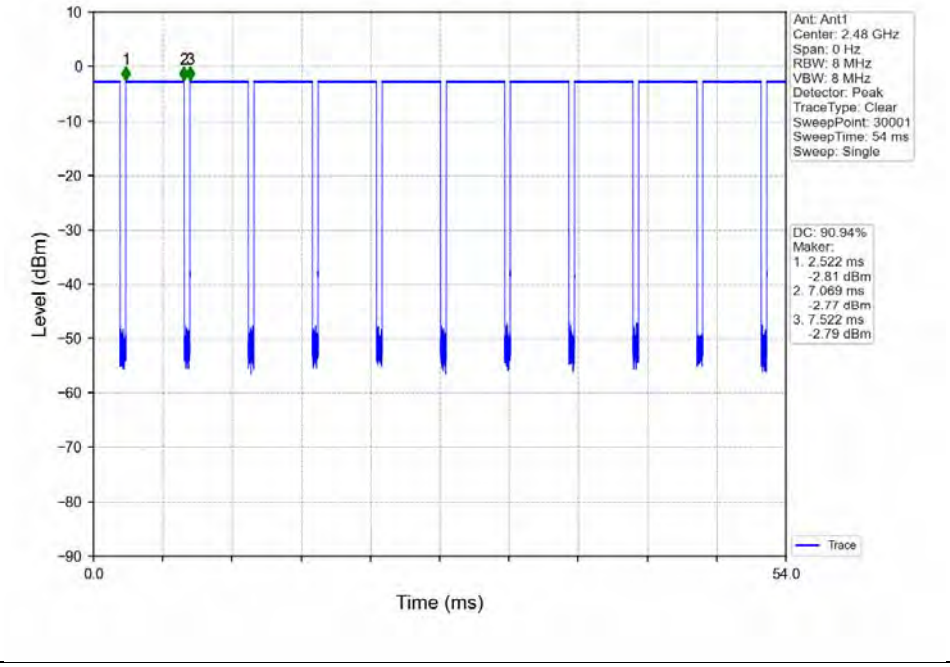
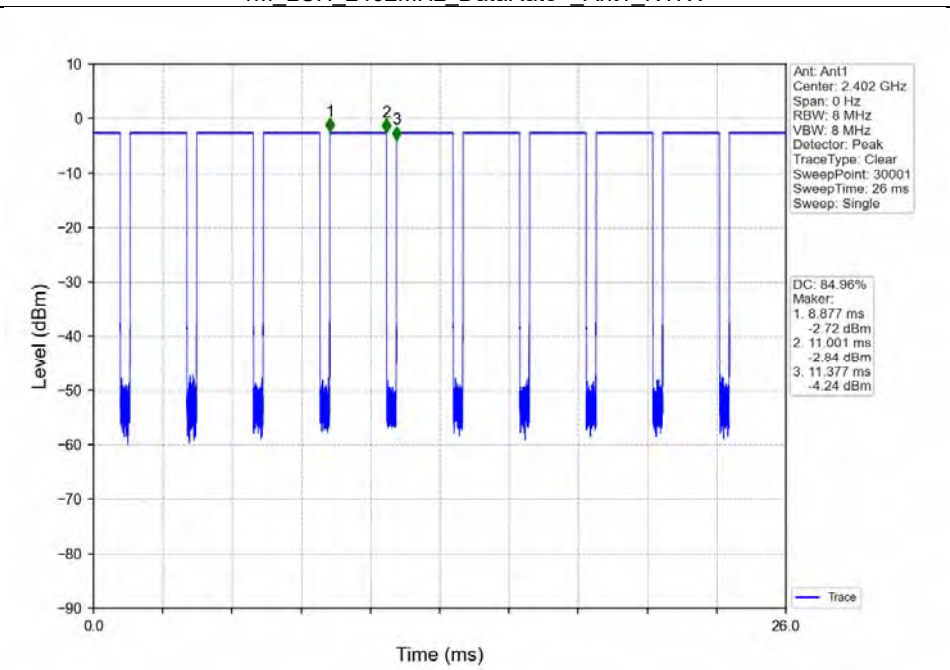
S2_MCH_2440MHz_DataRate=_Ant1_NTNV



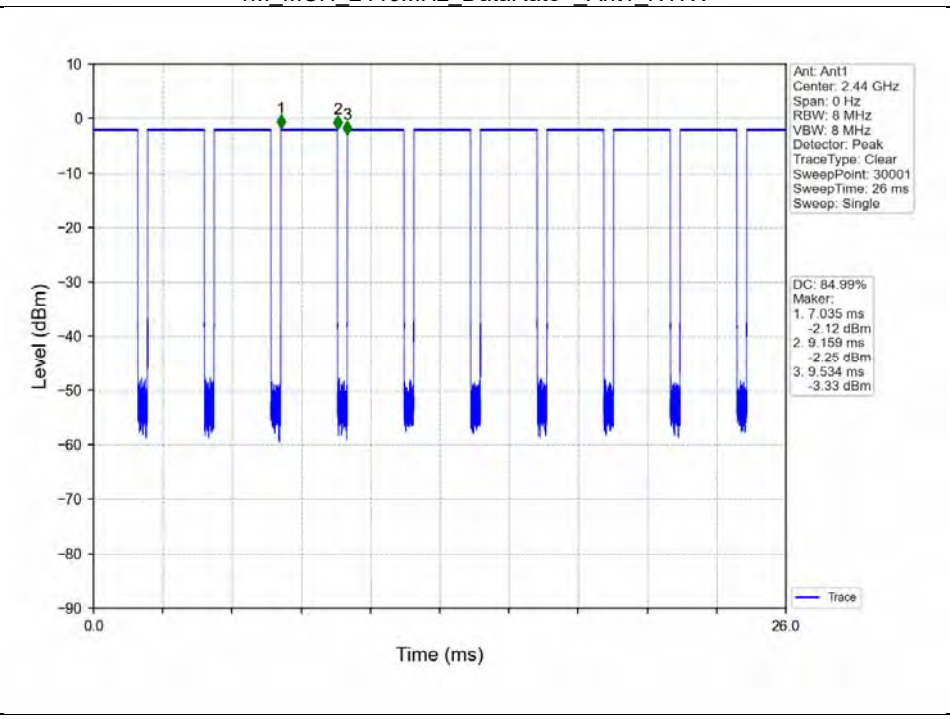

S2_HCH_2480MHz_DataRate=_Ant1_NTNV



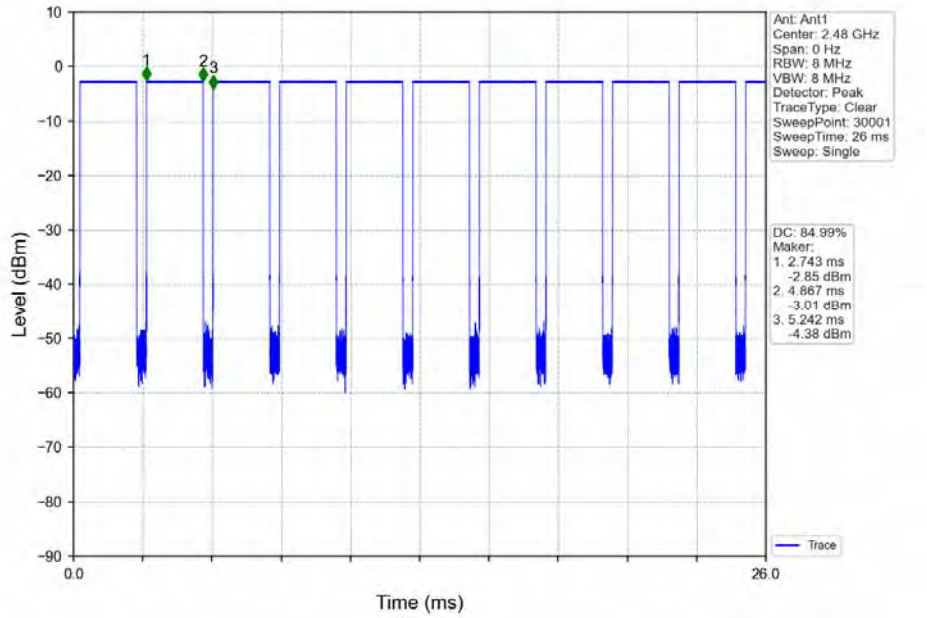
1M_LCH_2402MHz_DataRate=_Ant1_NTNV



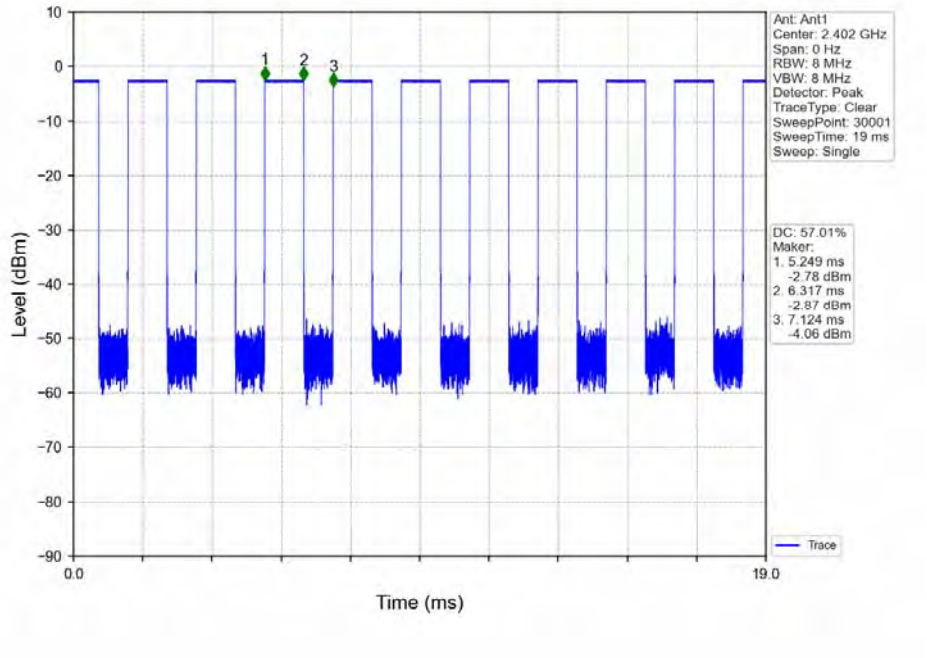

1M_MCH_2440MHz_DataRate=_Ant1_NTNV



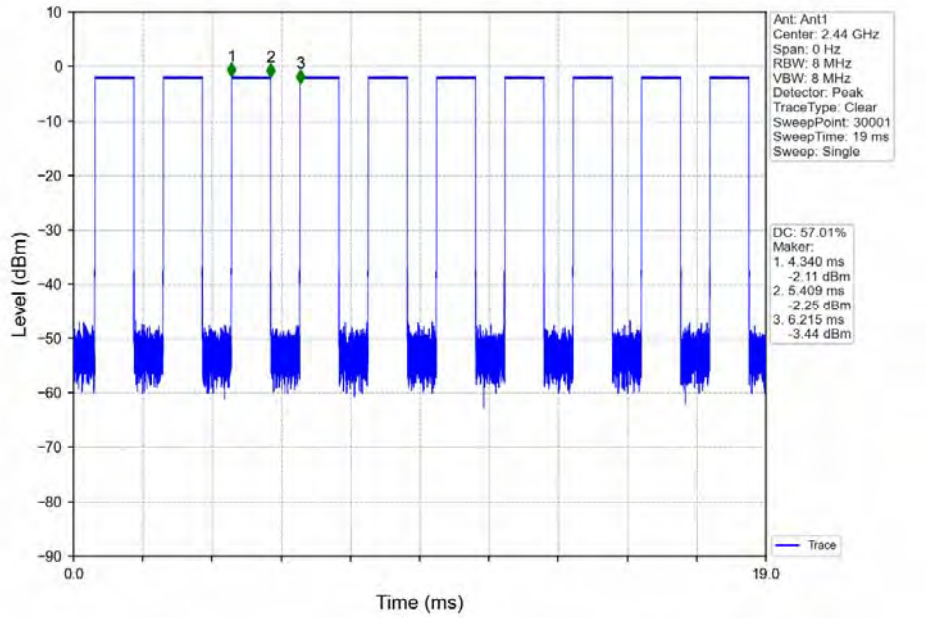
1M_HCH_2480MHz_DataRate=_Ant1_NTNV



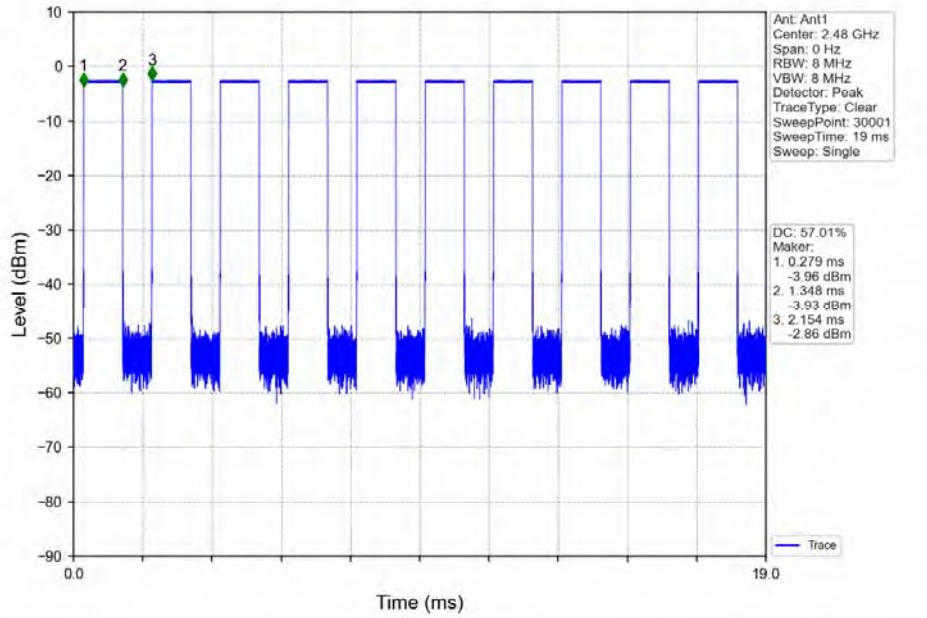

2M_LCH_2402MHz_DataRate=_Ant1_NTNV



2M_MCH_2440MHz_DataRate=_Ant1_NTNV




2M_HCH_2480MHz_DataRate=_Ant1_NTNV



# Bandwidth

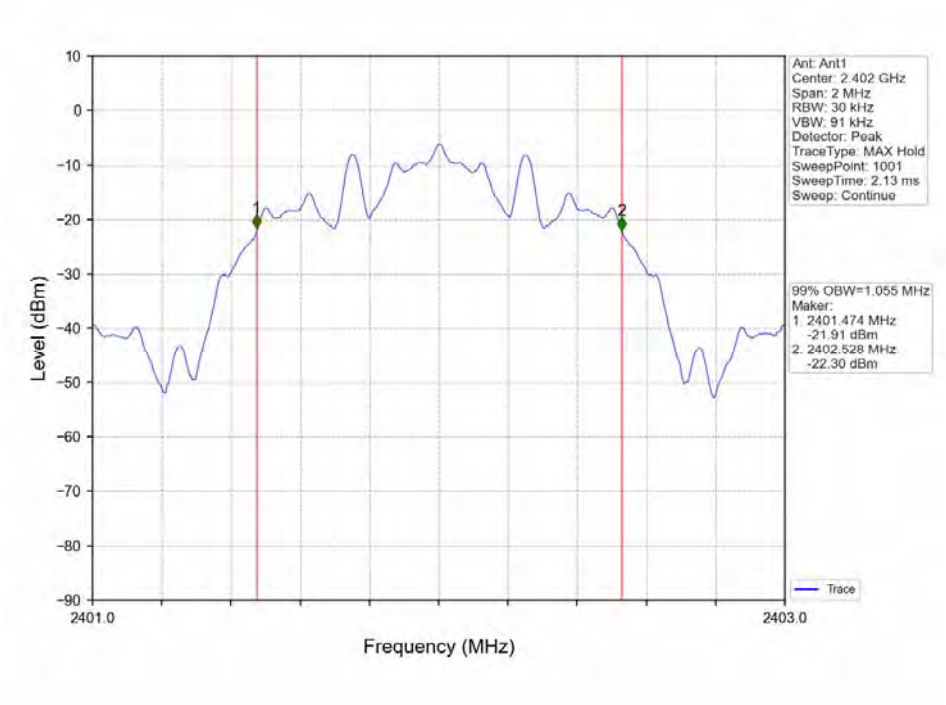
## OBW

### Test Result

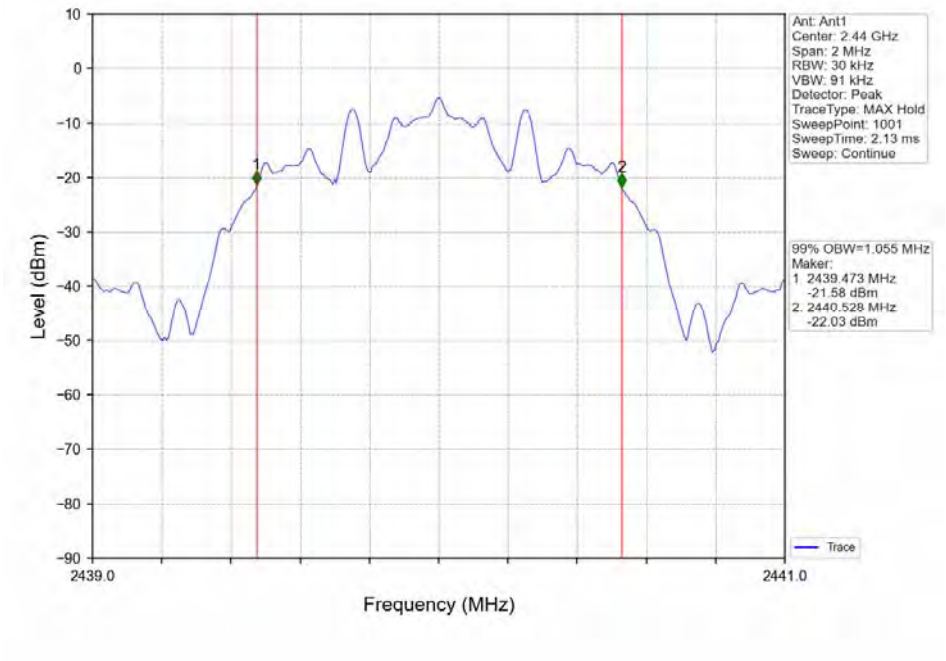
| Mode | TX Type | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) Result | Verdict |
|---|---|---|---|---|---|
| S8 | SISO | 2402 | 1 | 1.055 | Pass |
| | | 2440 | 1 | 1.055 | Pass |
| | | 2480 | 1 | 1.054 | Pass |
| S2 | SISO | 2402 | 1 | 1.025 | Pass |
| | | 2440 | 1 | 1.026 | Pass |
| | | 2480 | 1 | 1.024 | Pass |
| 1M | SISO | 2402 | 1 | 1.038 | Pass |
| | | 2440 | 1 | 1.038 | Pass |
| | | 2480 | 1 | 1.038 | Pass |
| 2M | SISO | 2402 | 1 | 2.077 | Pass |
| | | 2440 | 1 | 2.078 | Pass |
| | | 2480 | 1 | 2.074 | Pass |

Test Graph

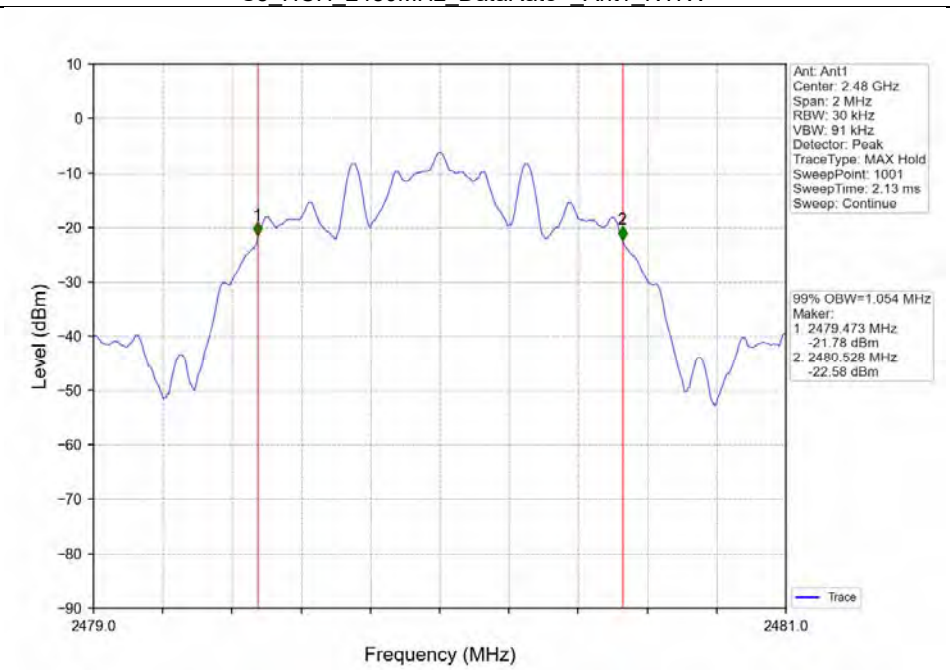
S8_LCH_2402MHz_DataRate=_Ant1_NTNV



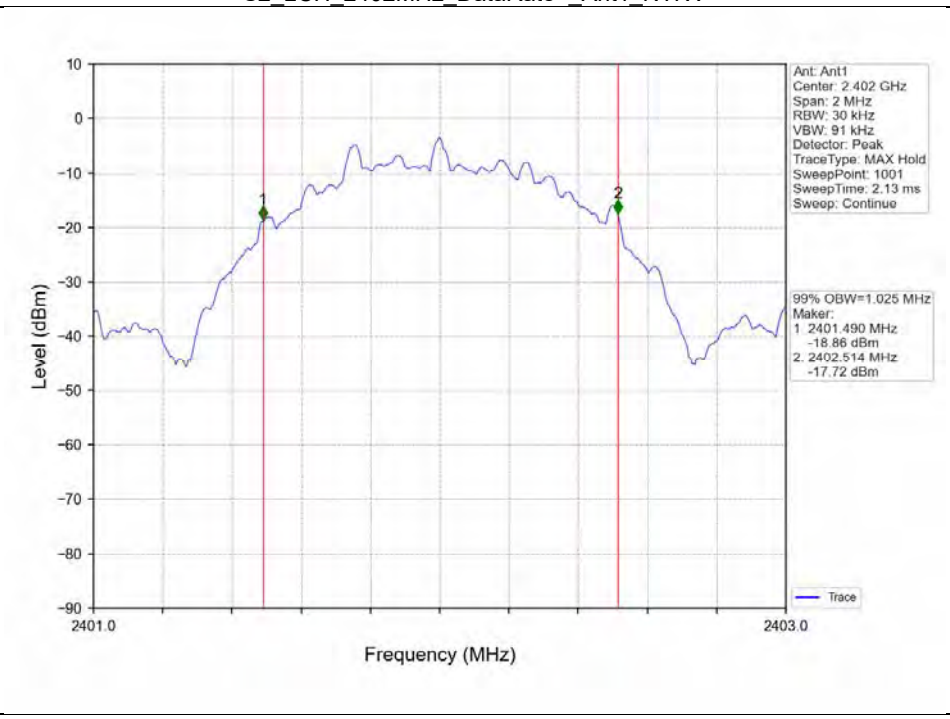

S8_MCH_2440MHz_DataRate=_Ant1_NTNV



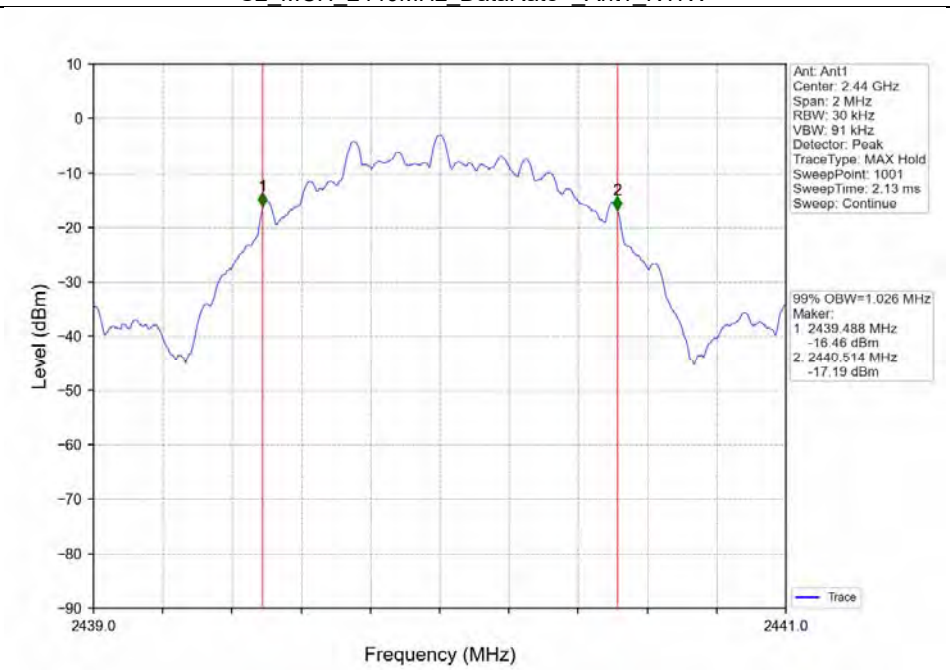
S8_HCH_2480MHz_DataRate=_Ant1_NTNV



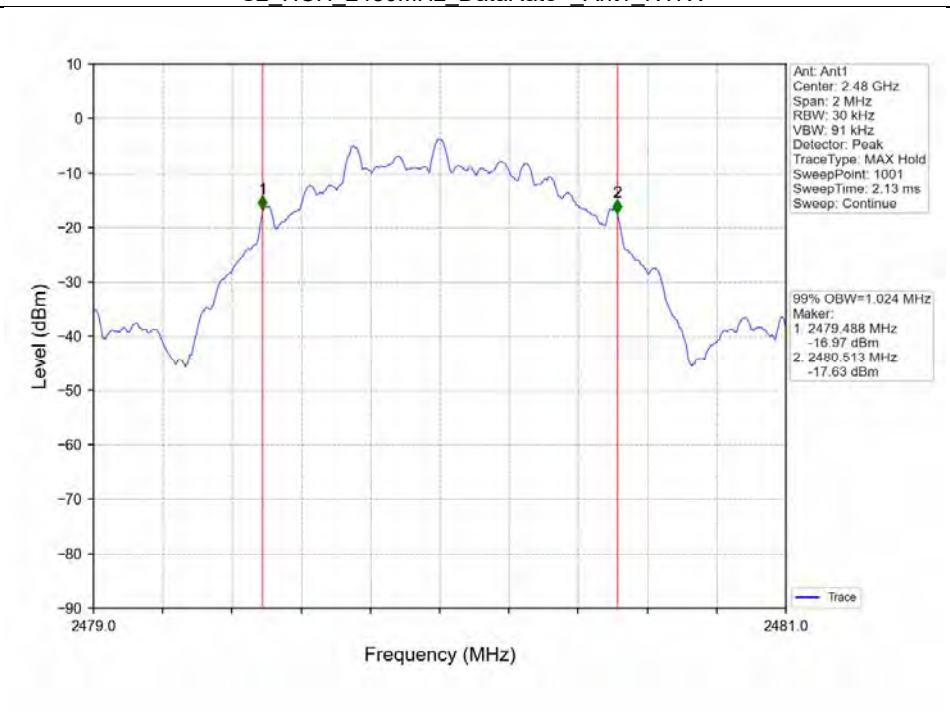

S2_LCH_2402MHz_DataRate=_Ant1_NTNV



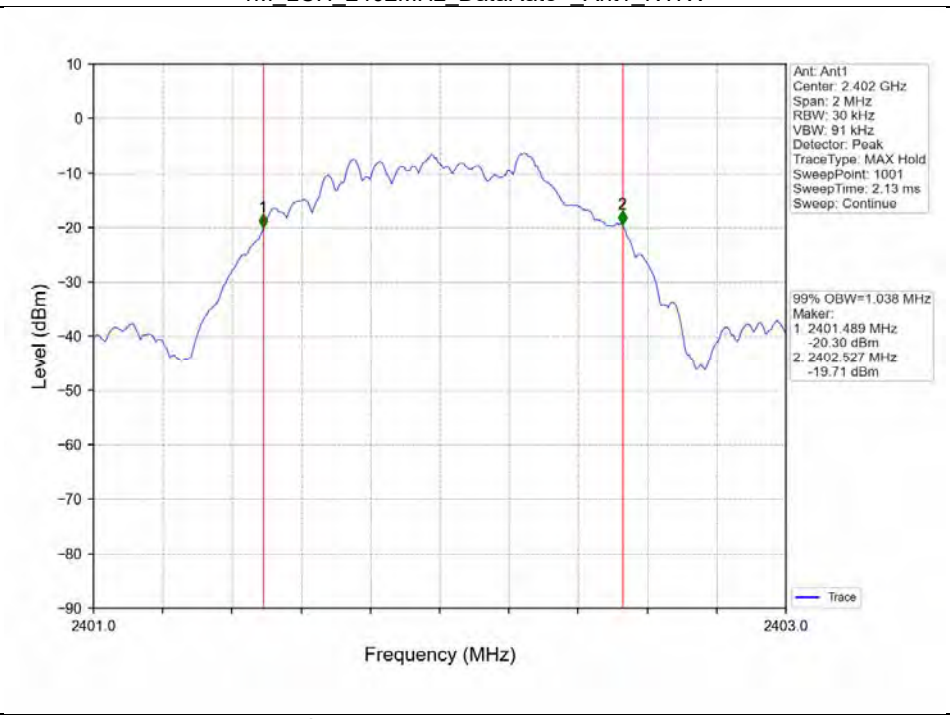
S2_MCH_2440MHz_DataRate=_Ant1_NTNV



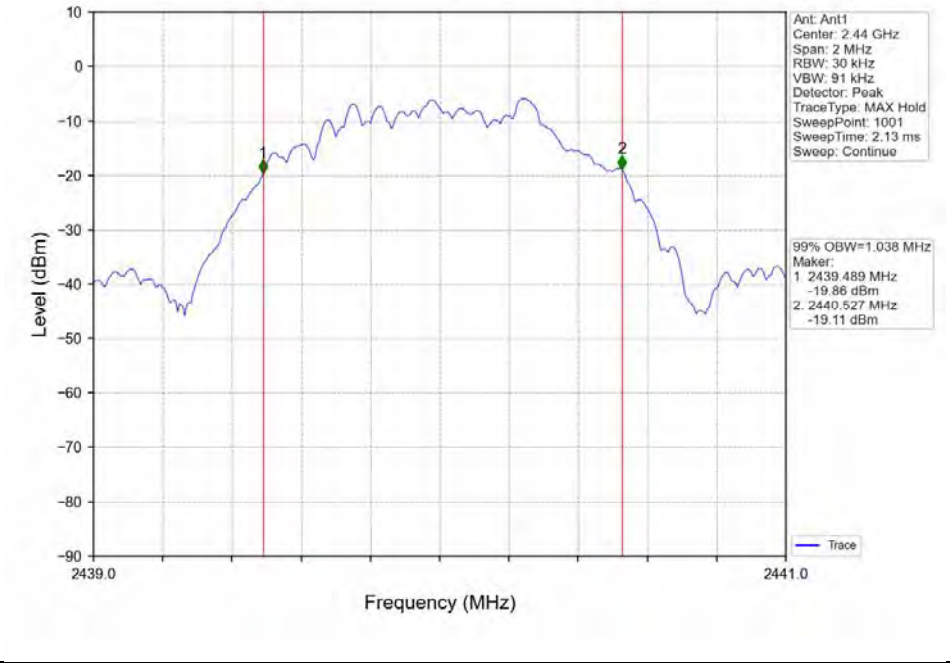

S2_HCH_2480MHz_DataRate=_Ant1_NTNV



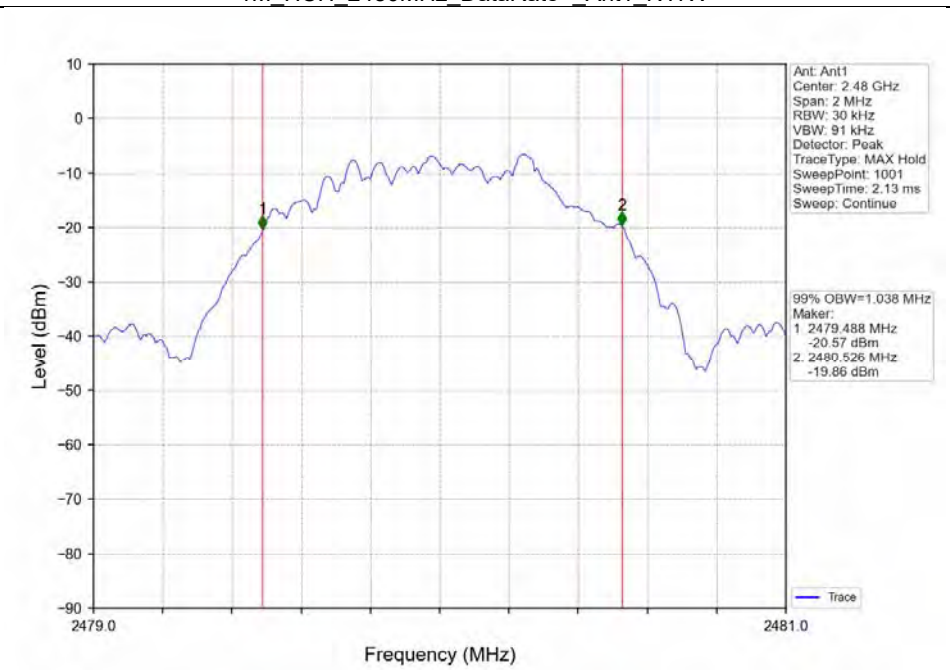
1M_LCH_2402MHz_DataRate=_Ant1_NTNV



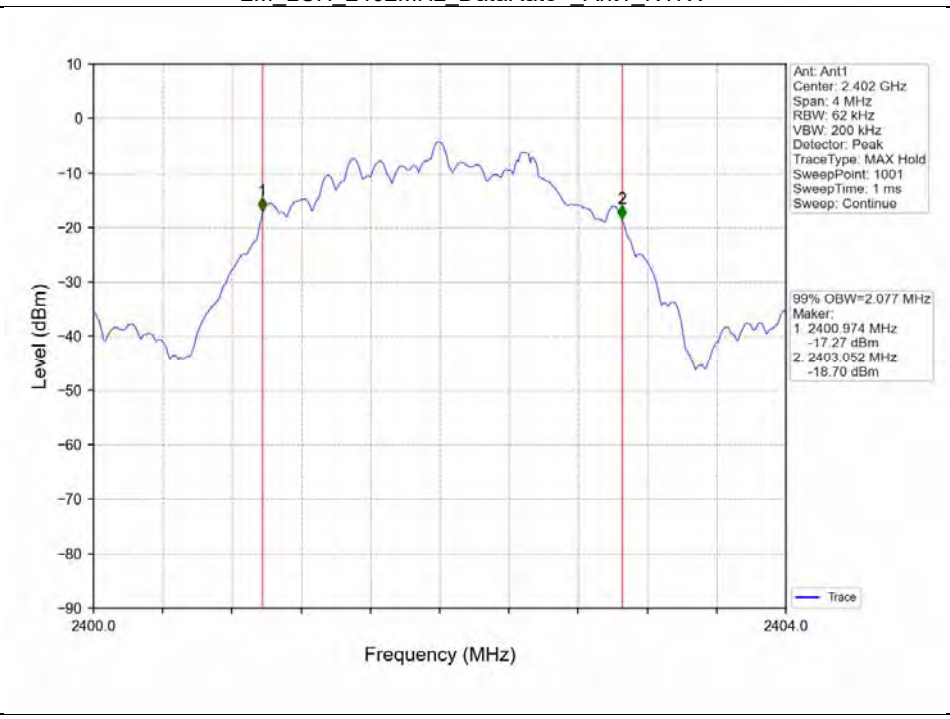

1M_MCH_2440MHz_DataRate=_Ant1_NTNV



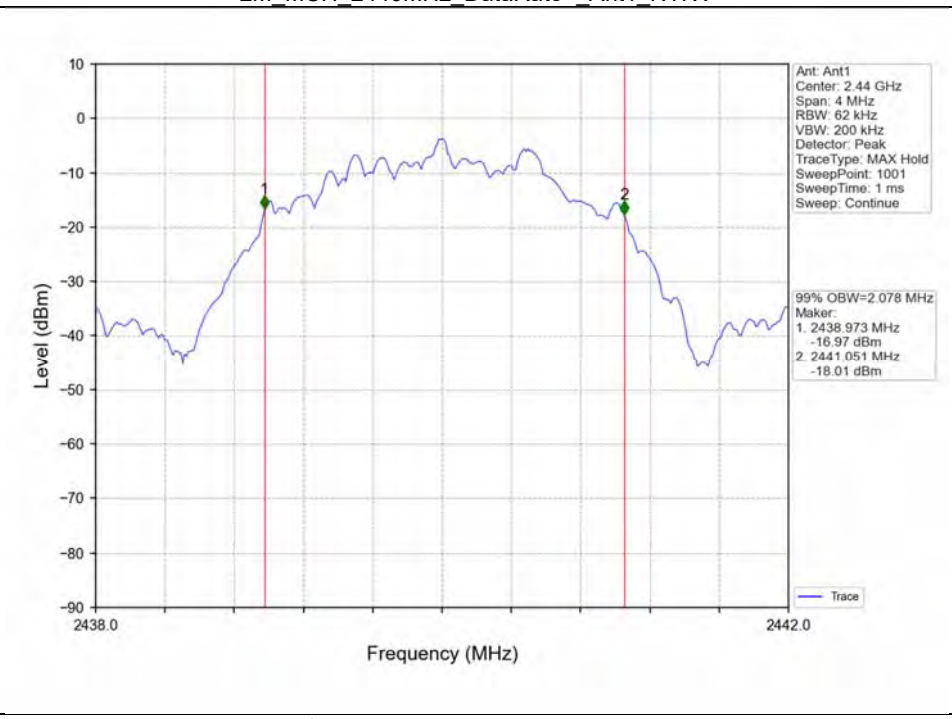
1M_HCH_2480MHz_DataRate=_Ant1_NTNV



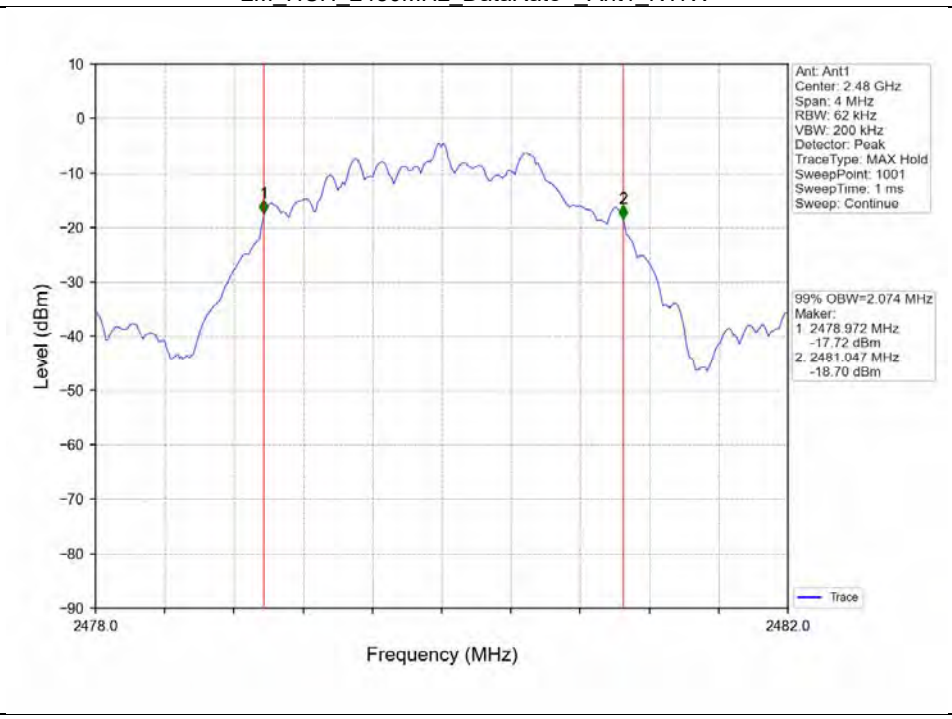

2M_LCH_2402MHz_DataRate=_Ant1_NTNV



2M_MCH_2440MHz_DataRate=_Ant1_NTNV




2M_HCH_2480MHz_DataRate=_Ant1_NTNV

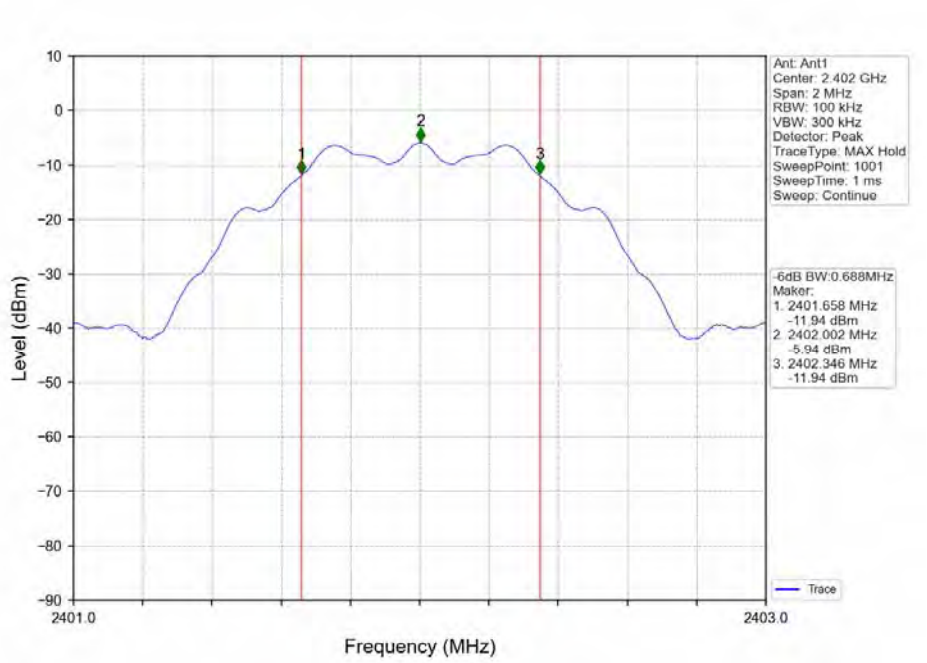
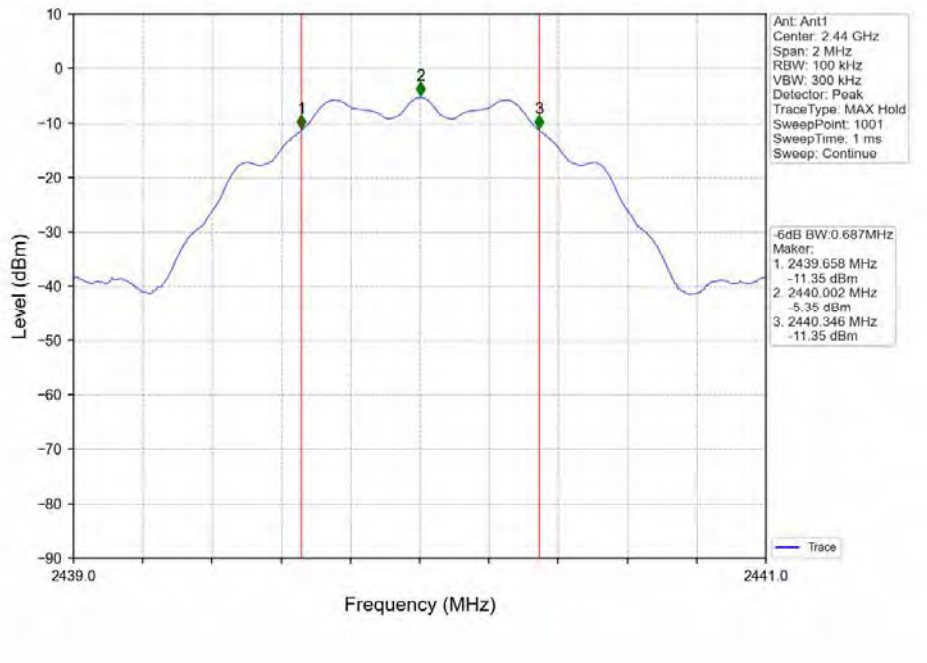


## 6dB BW

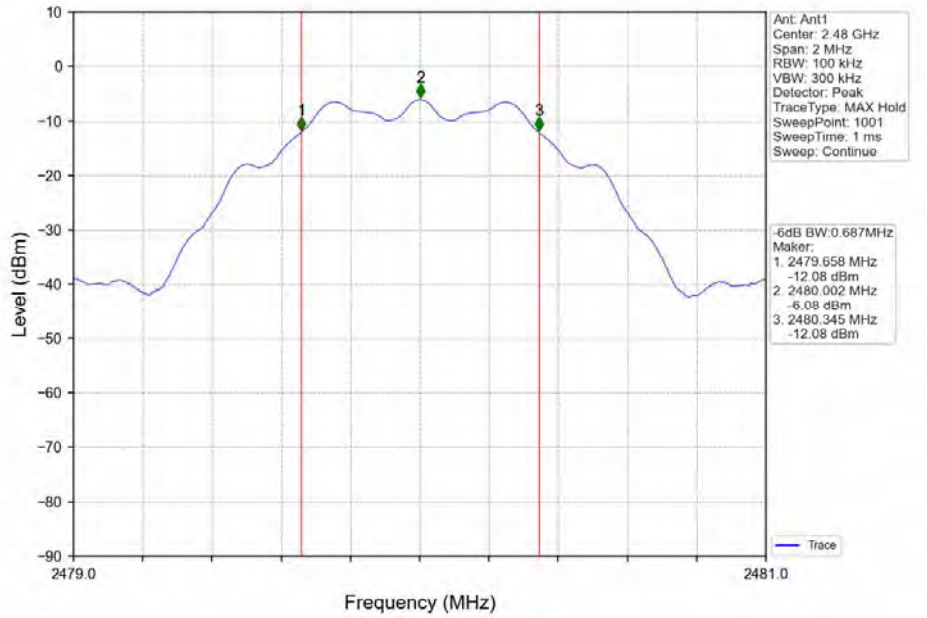
### Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|
| | | | | Result | Limit | |
| S8 | SISO | 2402 | 1 | 0.688 | >=0.5 | Pass |
| | | 2440 | 1 | 0.687 | >=0.5 | Pass |
| | | 2480 | 1 | 0.687 | >=0.5 | Pass |
| S2 | SISO | 2402 | 1 | 0.663 | >=0.5 | Pass |
| | | 2440 | 1 | 0.663 | >=0.5 | Pass |
| | | 2480 | 1 | 0.662 | >=0.5 | Pass |
| 1M | SISO | 2402 | 1 | 0.664 | >=0.5 | Pass |
| | | 2440 | 1 | 0.663 | >=0.5 | Pass |
| | | 2480 | 1 | 0.667 | >=0.5 | Pass |
| 2M | SISO | 2402 | 1 | 1.174 | >=0.5 | Pass |
| | | 2440 | 1 | 1.175 | >=0.5 | Pass |
| | | 2480 | 1 | 1.178 | >=0.5 | Pass |

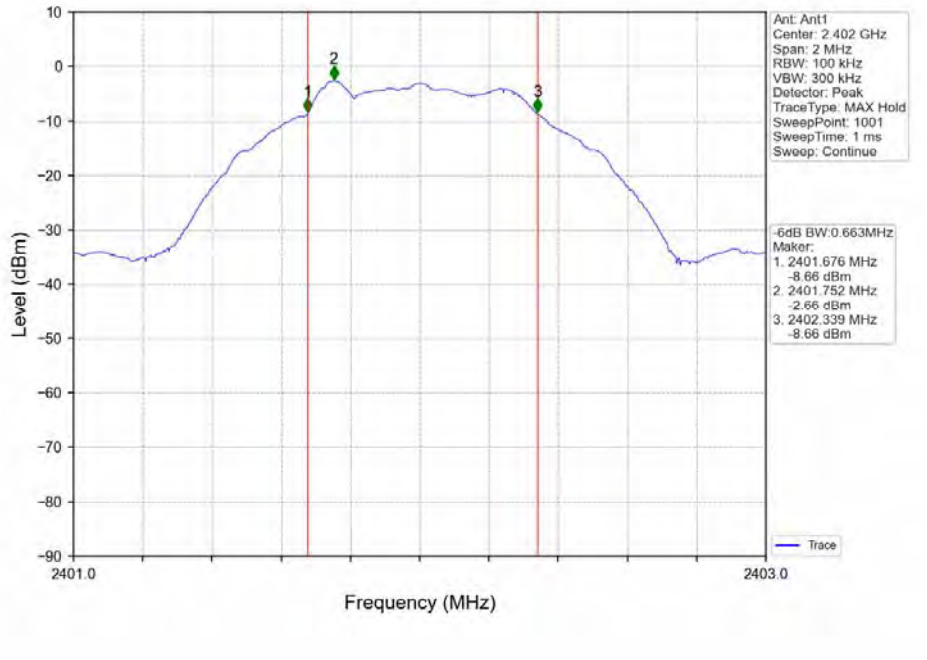
Test Graph

| S8_LCH_2402MHz_DataRate=_Ant1_NTNV |
| --- |
|  |
| S8_MCH_2440MHz_DataRate=_Ant1_NTNV |
|  |

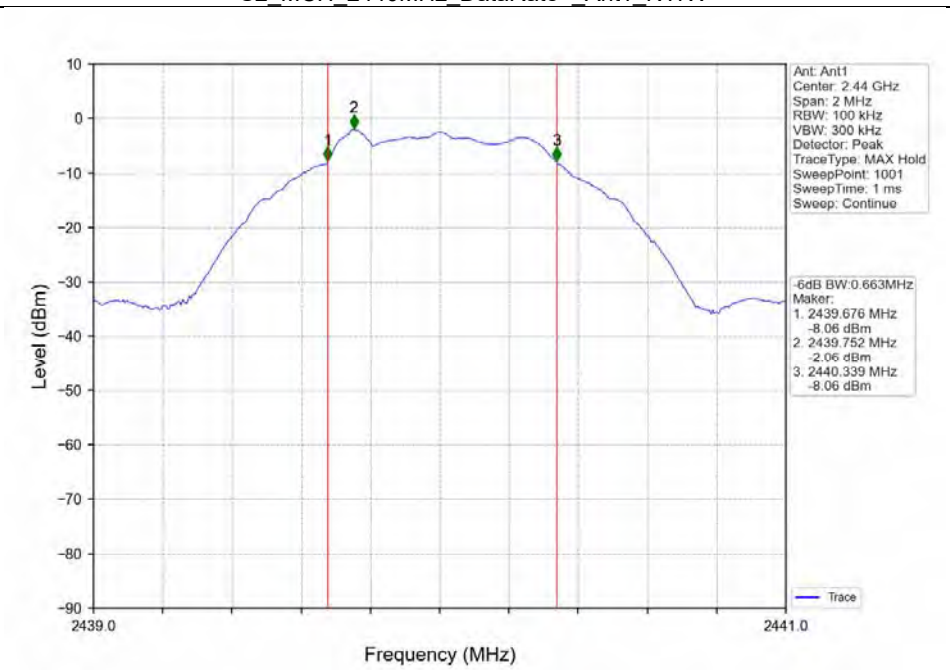
S8_HCH_2480MHz_DataRate=_Ant1_NTNV



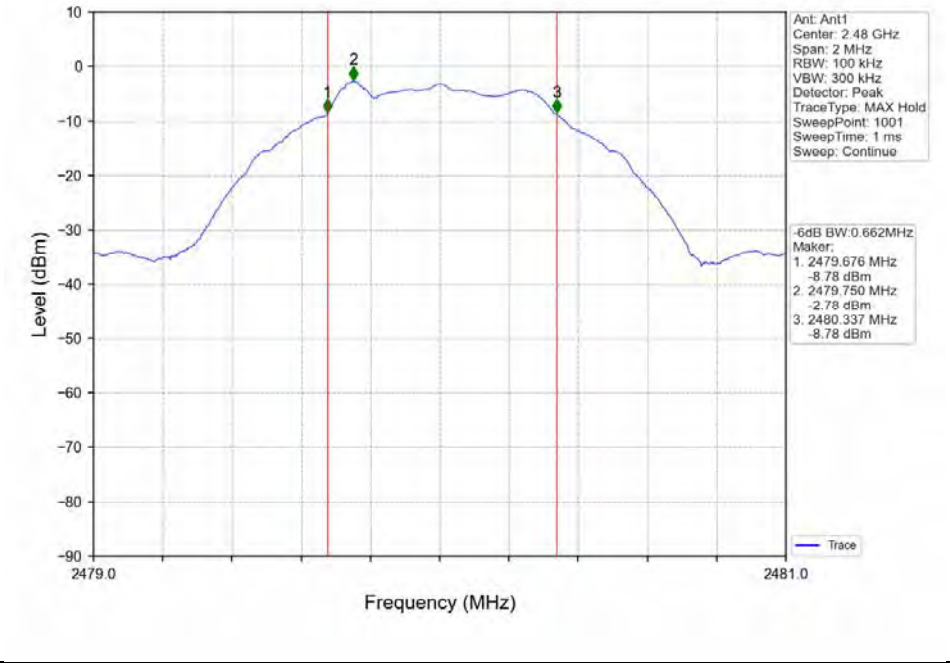

S2_LCH_2402MHz_DataRate=_Ant1_NTNV



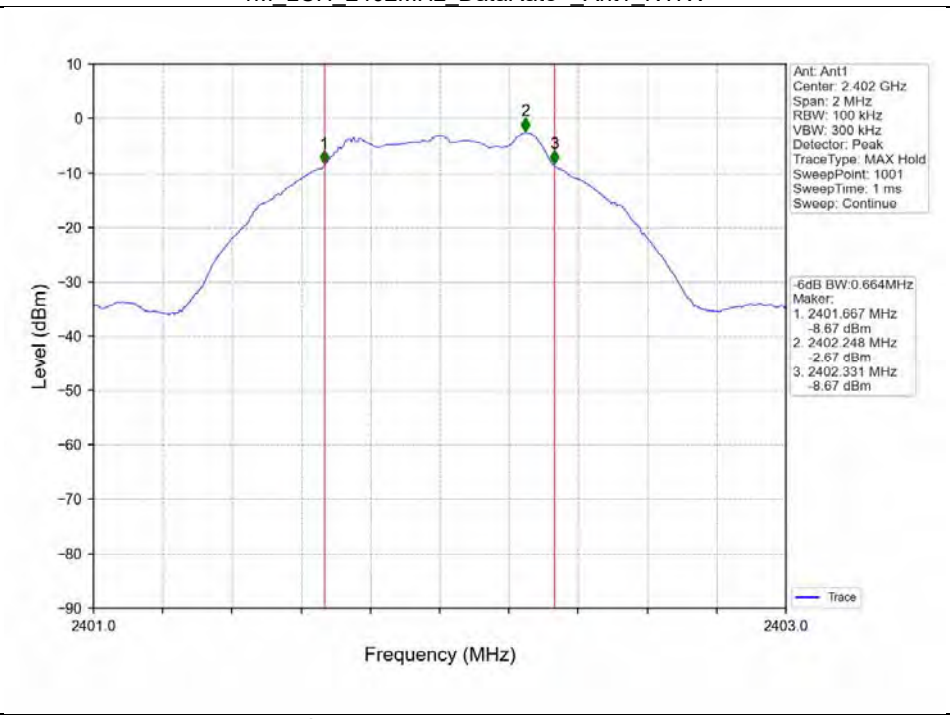
S2_MCH_2440MHz_DataRate=_Ant1_NTNV



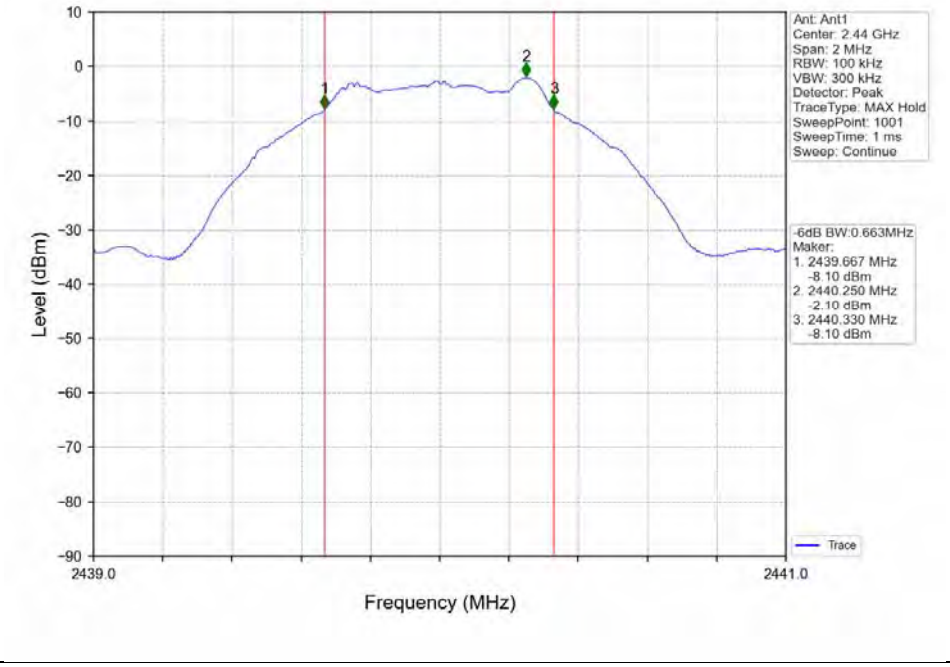

S2_HCH_2480MHz_DataRate=_Ant1_NTNV



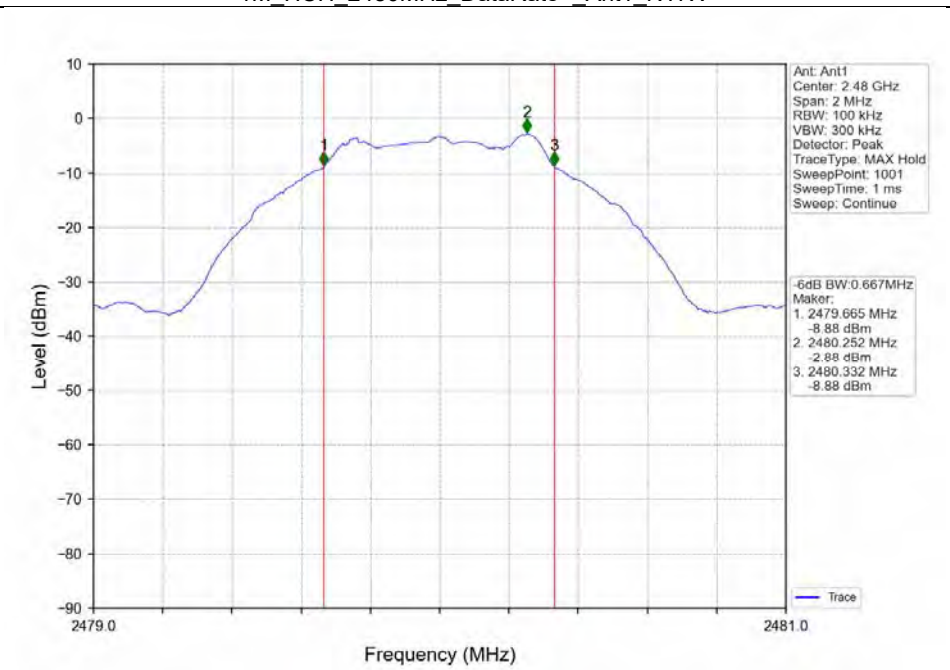
1M_LCH_2402MHz_DataRate=_Ant1_NTNV



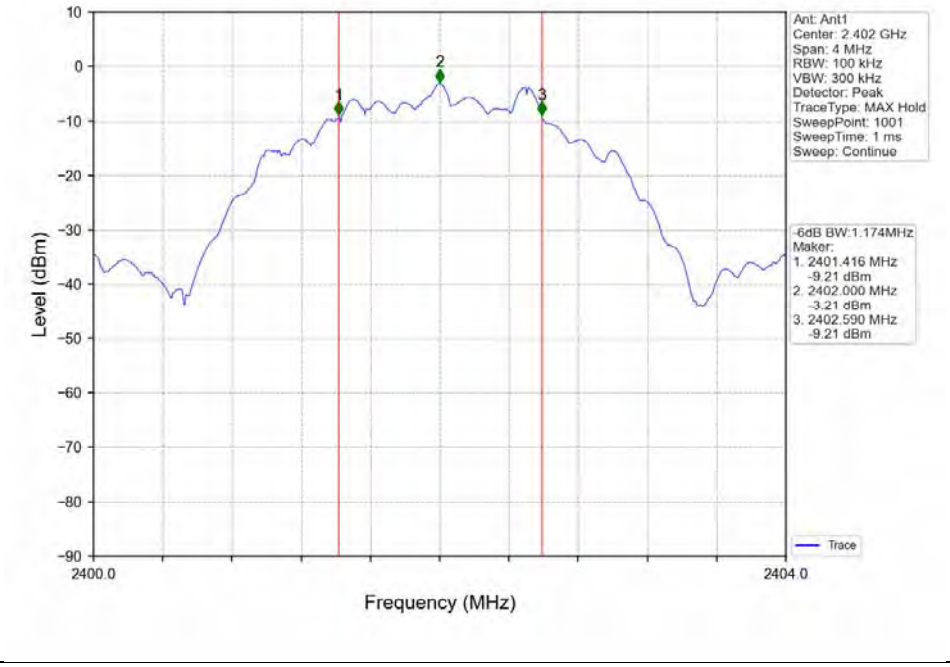

1M_MCH_2440MHz_DataRate=_Ant1_NTNV



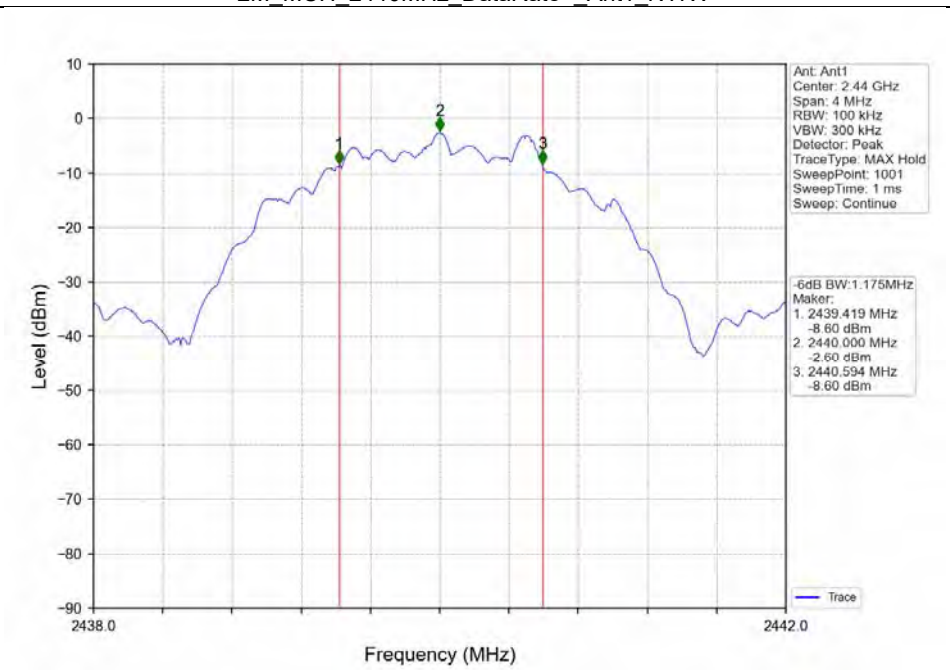
1M_HCH_2480MHz_DataRate=_Ant1_NTNV



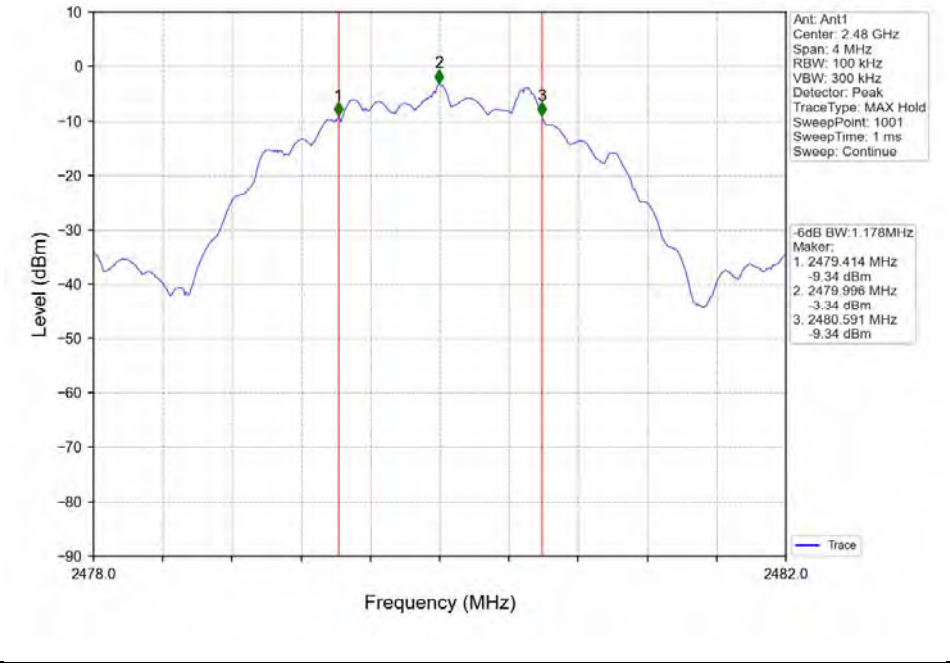

2M_LCH_2402MHz_DataRate=_Ant1_NTNV



2M_MCH_2440MHz_DataRate=_Ant1_NTNV




2M_HCH_2480MHz_DataRate=_Ant1_NTNV



# Maximum Conducted Output Power

## Peak Power

## Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) | | | Verdict |
|---|---|---|---|---|---|---|
| | | | Ant1(dBm) | Ant1(mw) | Limit (mw) | |
| S8 | SISO | 2402 | -2.56 | 0.542 | <=1 | Pass |
| | | 2440 | -1.96 | 0.622 | <=1 | Pass |
| | | 2480 | -2.79 | 0.526 | <=1 | Pass |
| S2 | SISO | 2402 | -2.66 | 0.542 | <=1 | Pass |
| | | 2440 | -2.10 | 0.617 | <=1 | Pass |
| | | 2480 | -2.82 | 0.522 | <=1 | Pass |
| 1M | SISO | 2402 | -2.71 | 0.536 | <=1 | Pass |
| | | 2440 | -2.13 | 0.612 | <=1 | Pass |
| | | 2480 | -2.86 | 0.518 | <=1 | Pass |
| 2M | SISO | 2402 | -2.68 | 0.540 | <=1 | Pass |
| | | 2440 | -2.06 | 0.622 | <=1 | Pass |
| | | 2480 | -2.74 | 0.532 | <=1 | Pass |
| Note1: Antenna Gain: Ant1: 2.70dBi; | | | | | | |

## Average Power

## Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) | | | Verdict |
|---|---|---|---|---|---|---|
| | | | Ant1(dBm) | Ant1(mw) | Limit (mw) | |
| S8 | SISO | 2402 | **-2.62** | 0.542 | <=1 | Pass |
| | | 2440 | **-2.02** | 0.622 | <=1 | Pass |
| | | 2480 | **-2.88** | 0.526 | <=1 | Pass |
| S2 | SISO | 2402 | **-2.89** | 0.542 | <=1 | Pass |
| | | 2440 | **-2.31** | 0.617 | <=1 | Pass |
| | | 2480 | **-3.15** | 0.522 | <=1 | Pass |
| 1M | SISO | 2402 | **-3.19** | 0.536 | <=1 | Pass |
| | | 2440 | **-2.58** | 0.612 | <=1 | Pass |
| | | 2480 | **-3.45** | 0.518 | <=1 | Pass |
| 2M | SISO | 2402 | **-4.89** | 0.540 | <=1 | Pass |
| | | 2440 | **-4.28** | 0.622 | <=1 | Pass |
| | | 2480 | **-5.15** | 0.532 | <=1 | Pass |
| Note1: Antenna Gain: Ant1: 2.70dBi; | | | | | | |

# Maximum Power Spectral Density

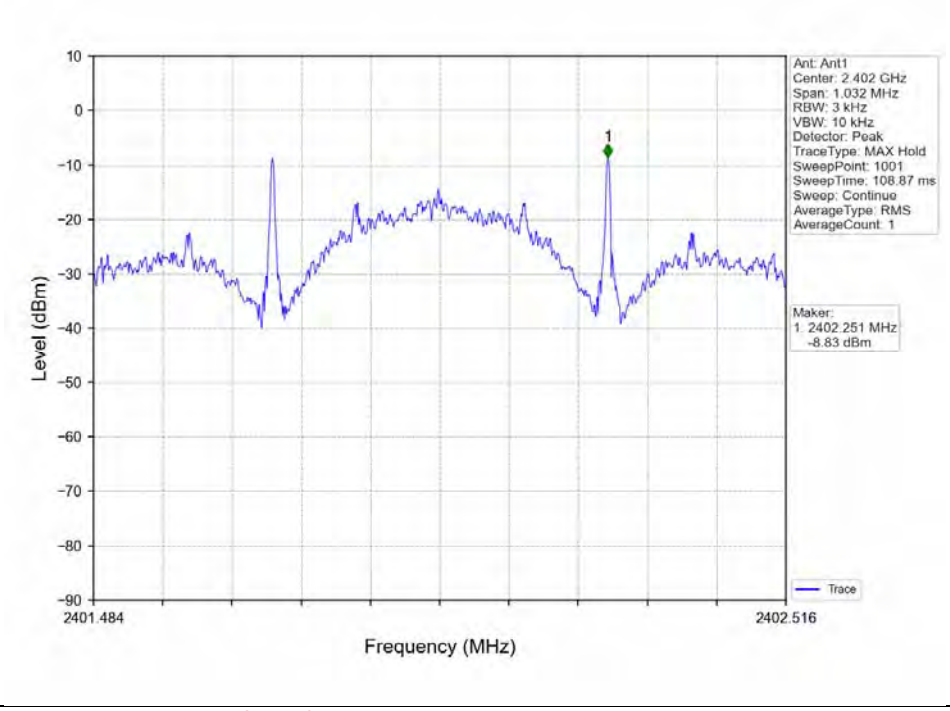
## PSD

## Test Result

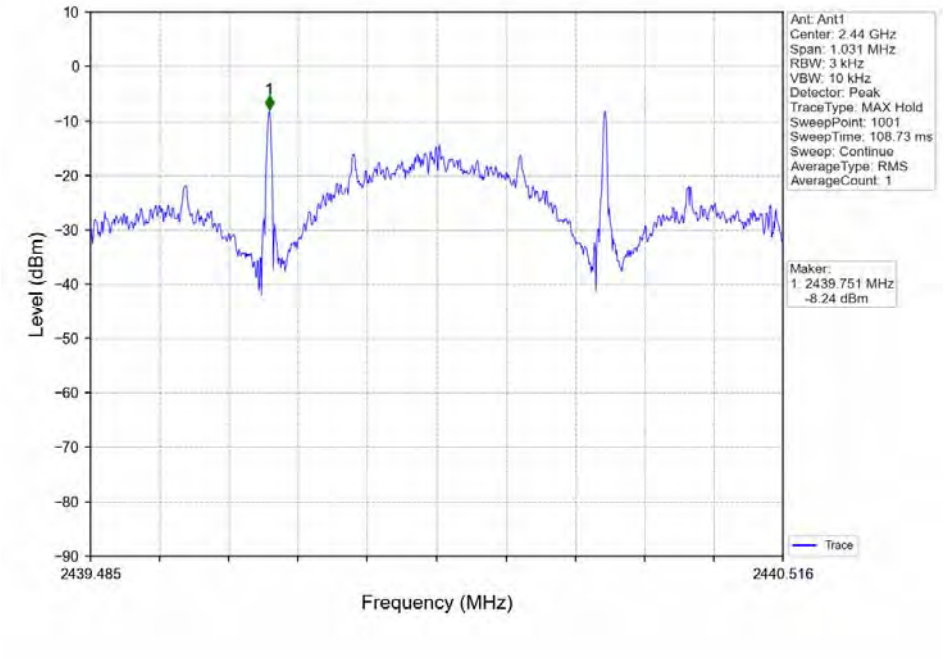
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | Verdict |
|---|---|---|---|---|---|
| | | | Ant1 | Limit | |
| S8 | SISO | 2402 | -8.83 | <=8 | Pass |
| | | 2440 | -8.24 | <=8 | Pass |
| | | 2480 | -8.97 | <=8 | Pass |
| S2 | SISO | 2402 | -9.34 | <=8 | Pass |
| | | 2440 | -8.41 | <=8 | Pass |
| | | 2480 | -9.11 | <=8 | Pass |
| 1M | SISO | 2402 | -18.81 | <=8 | Pass |
| | | 2440 | -18.29 | <=8 | Pass |
| | | 2480 | -18.95 | <=8 | Pass |
| 2M | SISO | 2402 | -22.21 | <=8 | Pass |
| | | 2440 | -20.68 | <=8 | Pass |
| | | 2480 | -21.73 | <=8 | Pass |
| Note1: Antenna Gain: Ant1: 2.70dBi; | | | | | |

Test Graph

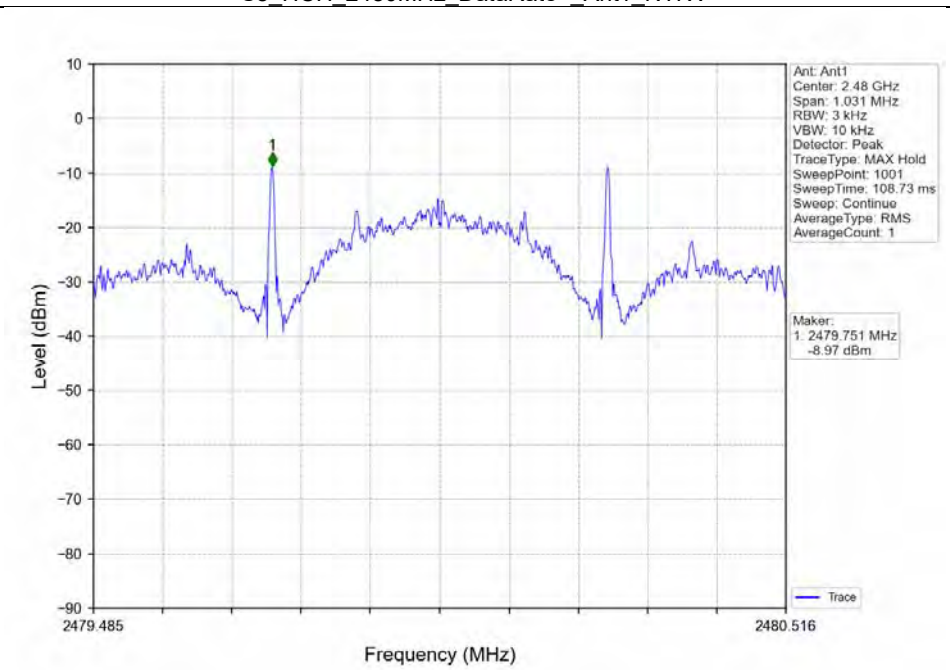
S8_LCH_2402MHz_DataRate=_Ant1_NTNV



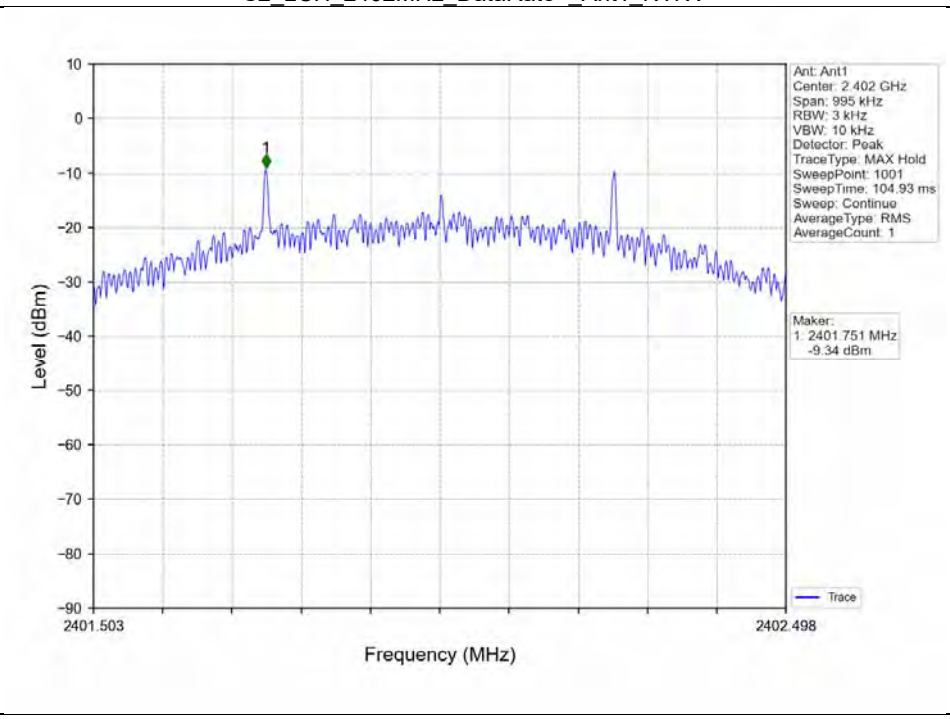

S8_MCH_2440MHz_DataRate=_Ant1_NTNV



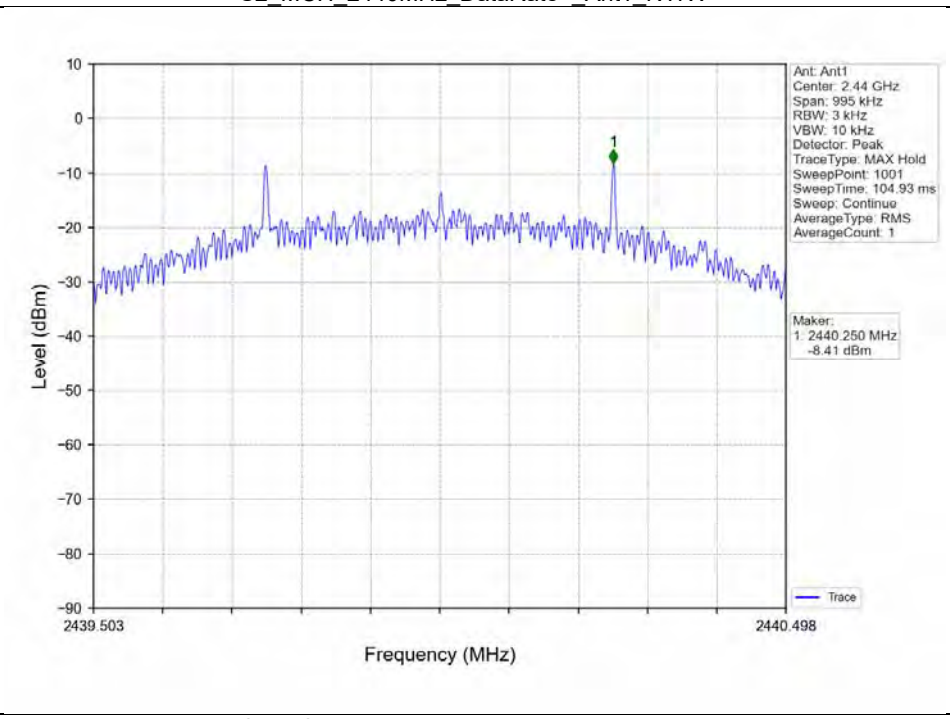
S8_HCH_2480MHz_DataRate=_Ant1_NTNV



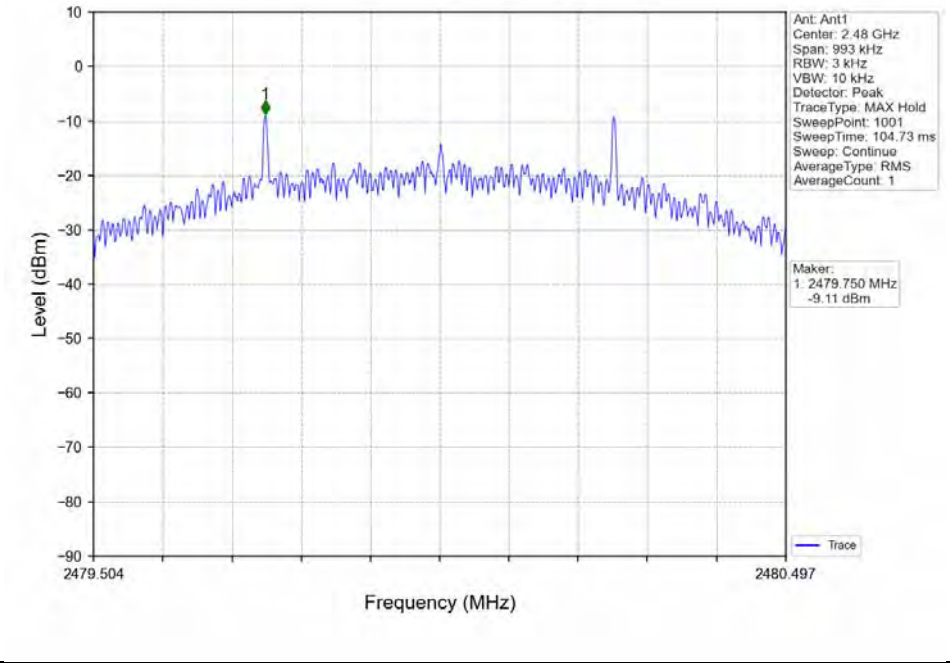

S2_LCH_2402MHz_DataRate=_Ant1_NTNV



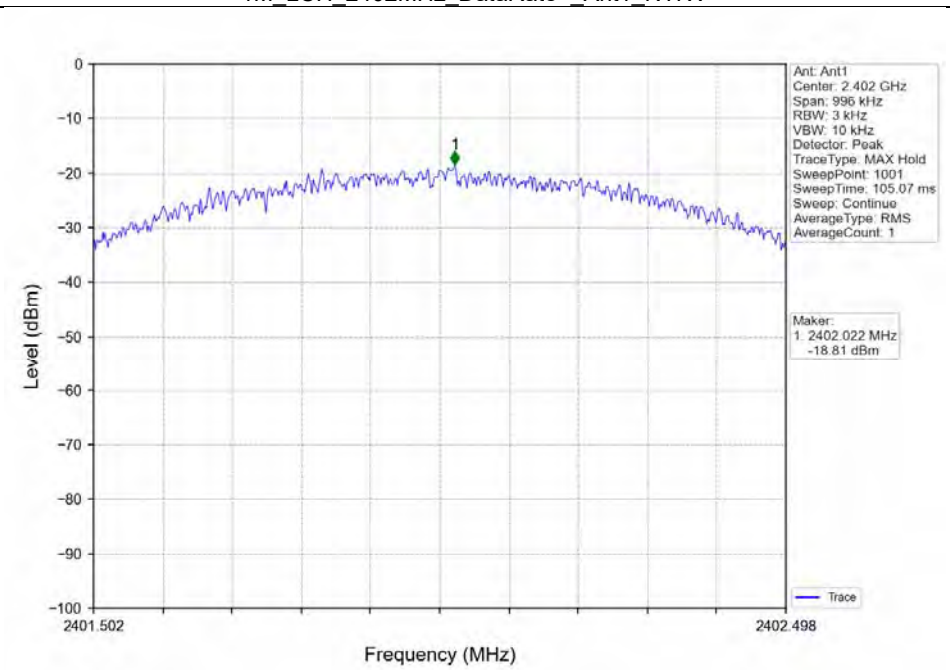
S2_MCH_2440MHz_DataRate=_Ant1_NTNV



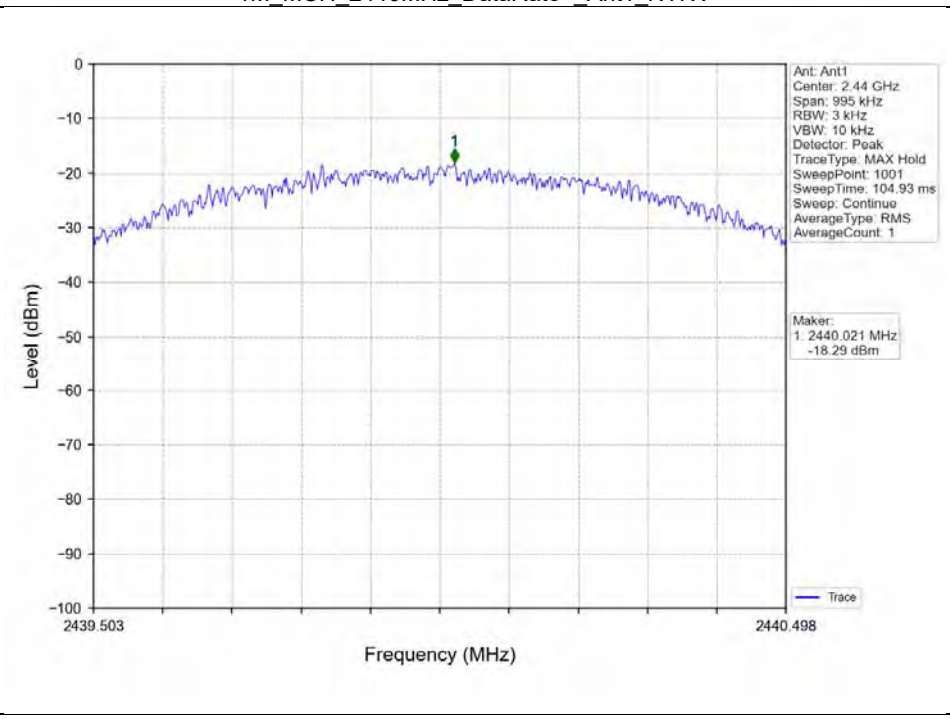

S2_HCH_2480MHz_DataRate=_Ant1_NTNV



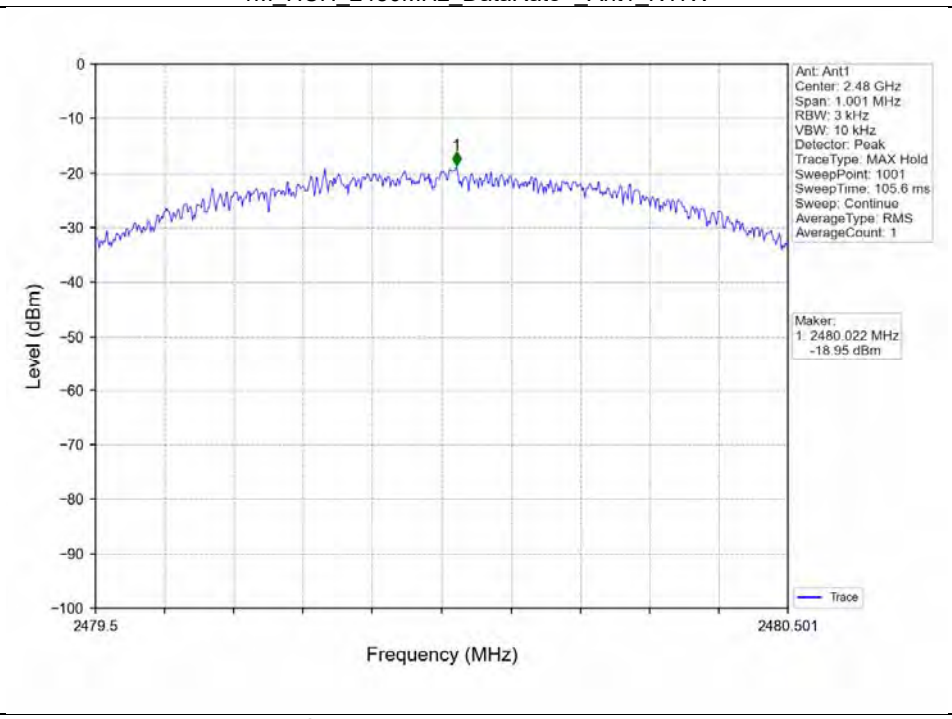
1M_LCH_2402MHz_DataRate=_Ant1_NTNV



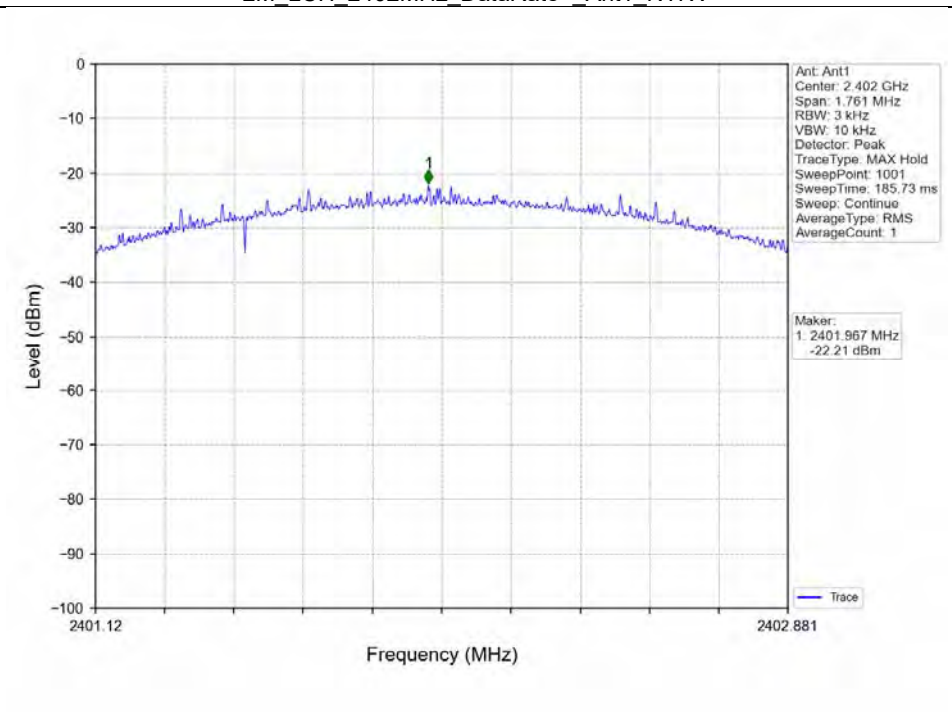

1M_MCH_2440MHz_DataRate=_Ant1_NTNV



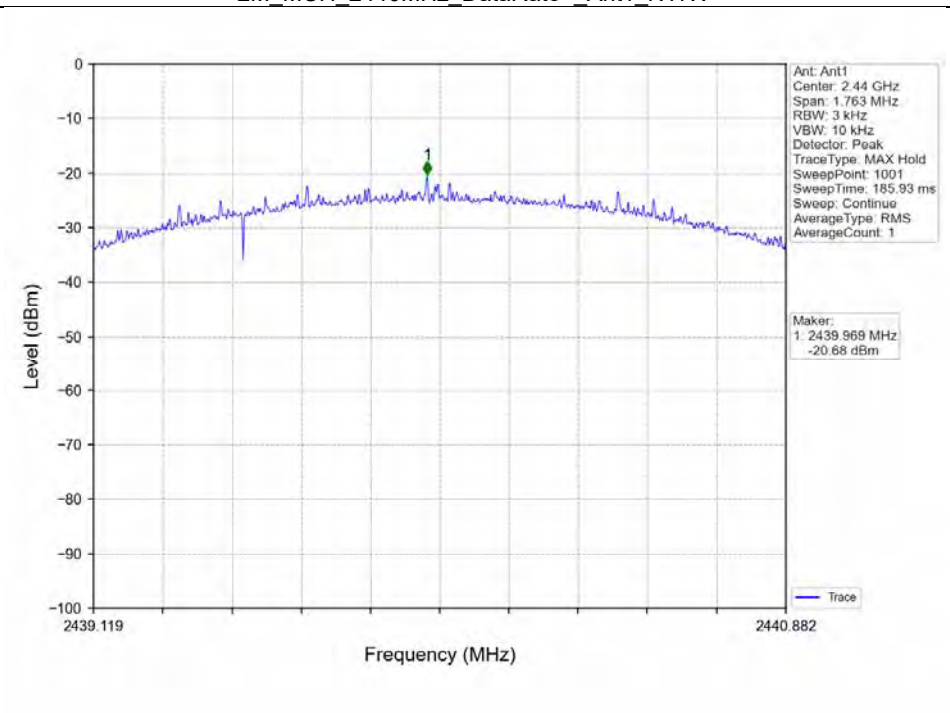
1M_HCH_2480MHz_DataRate=_Ant1_NTNV



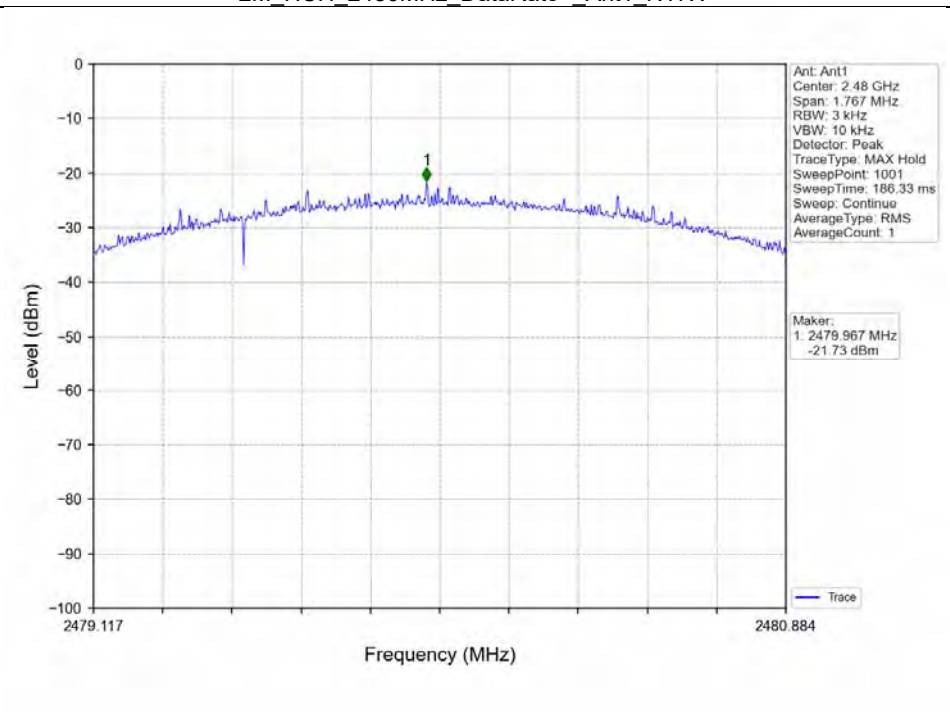

2M_LCH_2402MHz_DataRate=_Ant1_NTNV



2M_MCH_2440MHz_DataRate=_Ant1_NTNV




2M_HCH_2480MHz_DataRate=_Ant1_NTNV



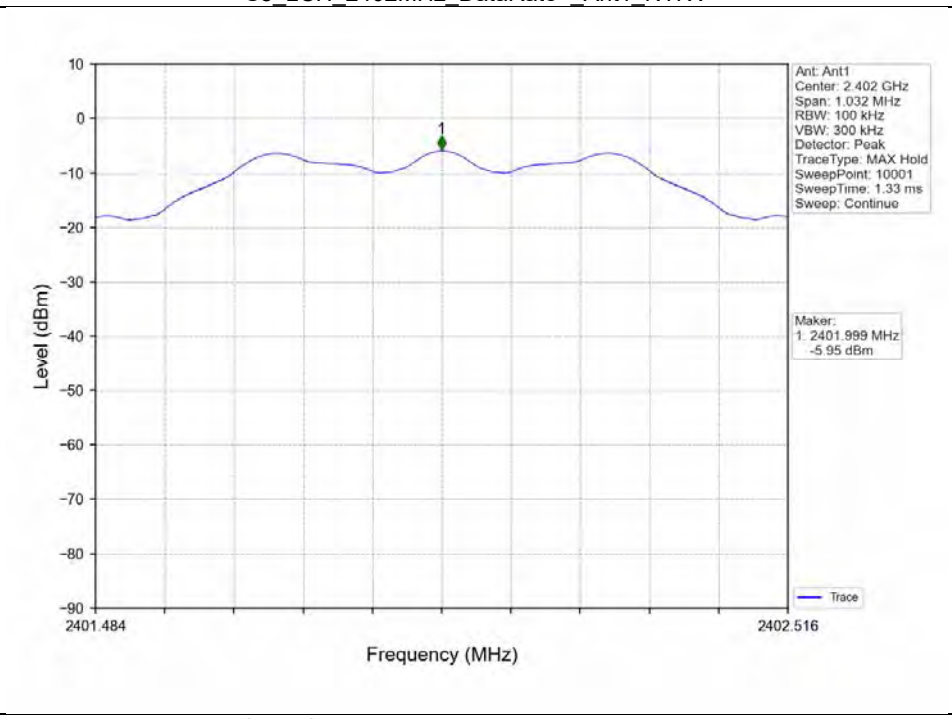
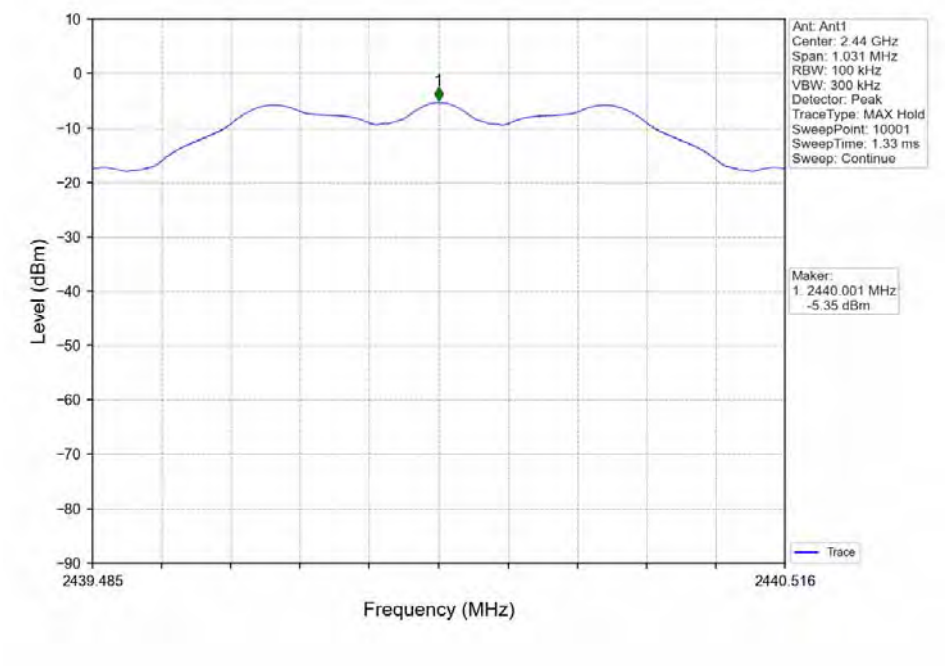
# Unwanted Emissions In Non-restricted Frequency Bands

## Ref

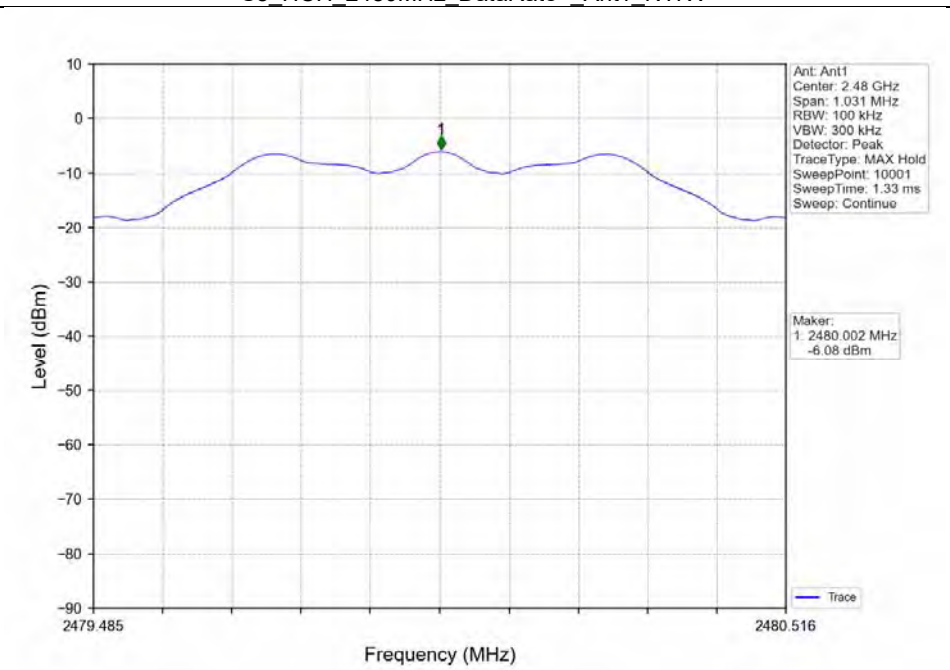
## Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) |
|---|---|---|---|---|
| S8 | SISO | 2402 | 1 | -5.95 |
| | | 2440 | 1 | **-5.35** |
| | | 2480 | 1 | -6.08 |
| S2 | SISO | 2402 | 1 | -2.66 |
| | | 2440 | 1 | **-2.07** |
| | | 2480 | 1 | -2.88 |
| 1M | SISO | 2402 | 1 | -2.67 |
| | | 2440 | 1 | **-2.09** |
| | | 2480 | 1 | -2.87 |
| 2M | SISO | 2402 | 1 | -3.22 |
| | | 2440 | 1 | **-2.62** |
| | | 2480 | 1 | -3.33 |
| 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. | | | | |

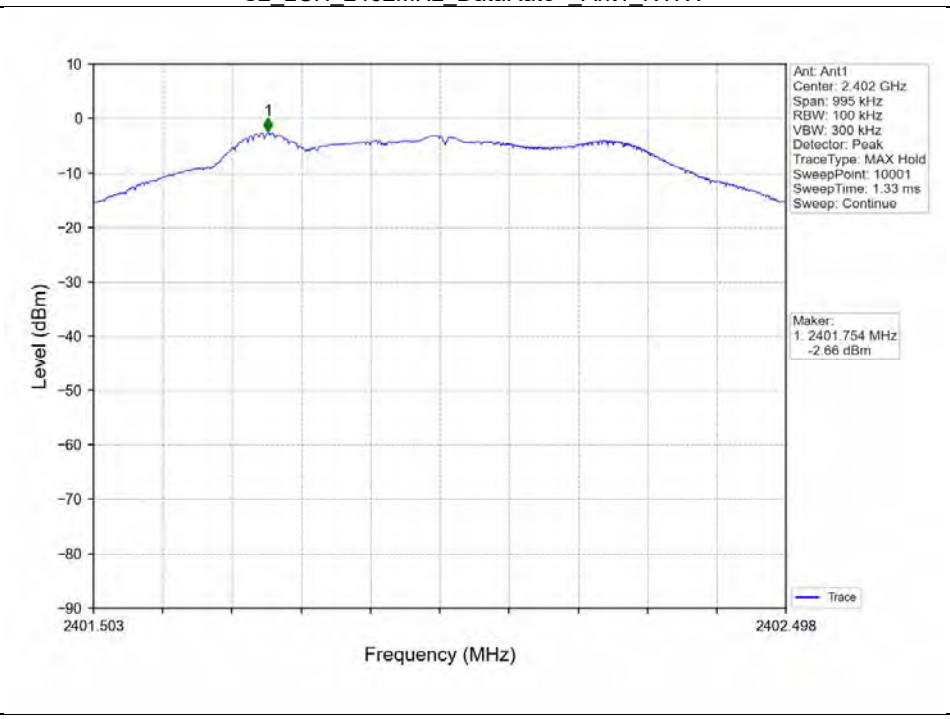
Test Graph

| S8_LCH_2402MHz_DataRate=_Ant1_NTNV |
| --- |
|  |
| S8_MCH_2440MHz_DataRate=_Ant1_NTNV |
|  |

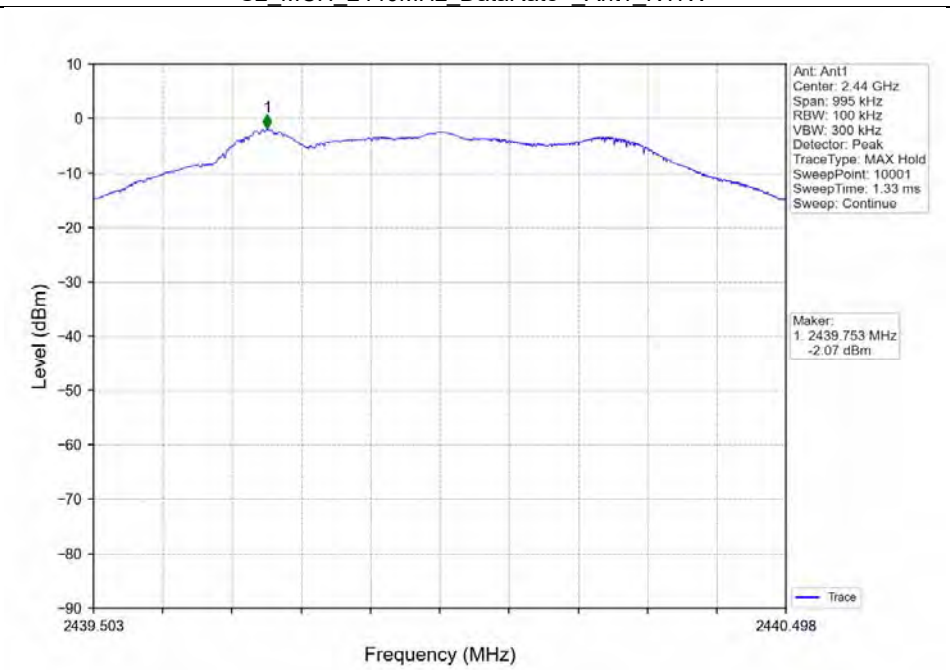
S8_HCH_2480MHz_DataRate=_Ant1_NTNV



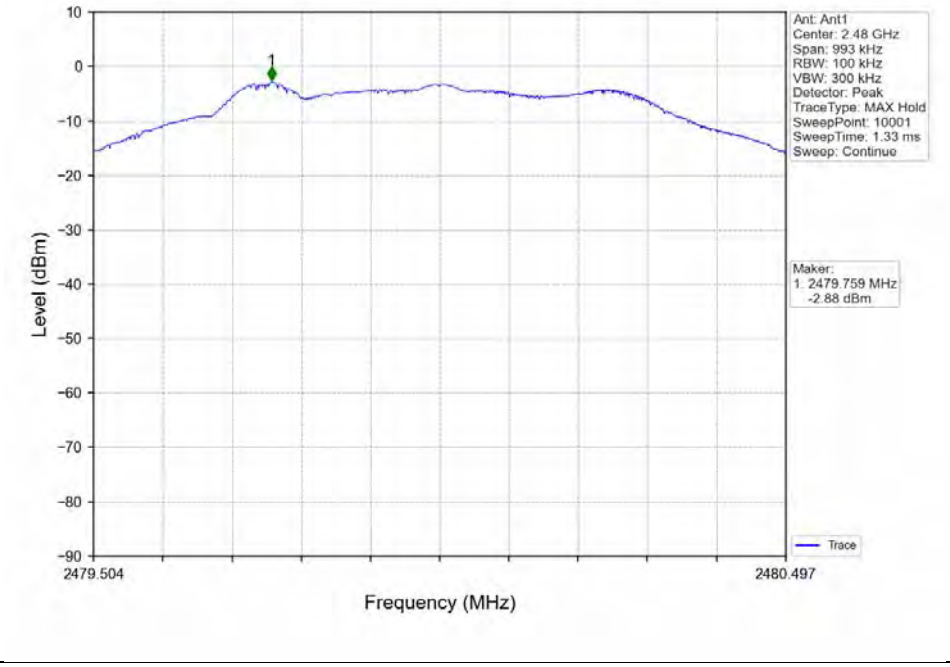

S2_LCH_2402MHz_DataRate=_Ant1_NTNV



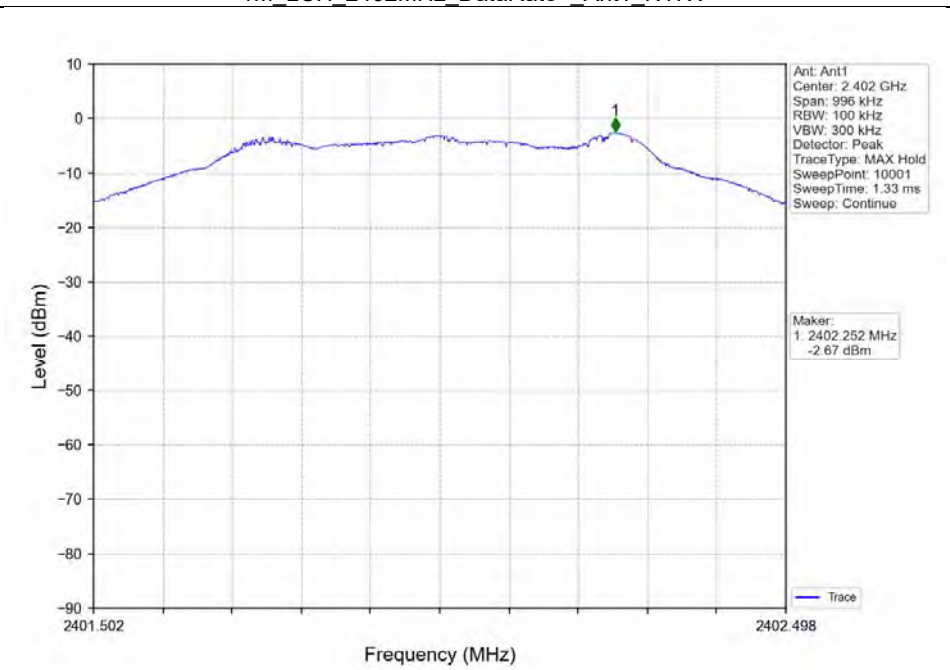
S2_MCH_2440MHz_DataRate=_Ant1_NTNV



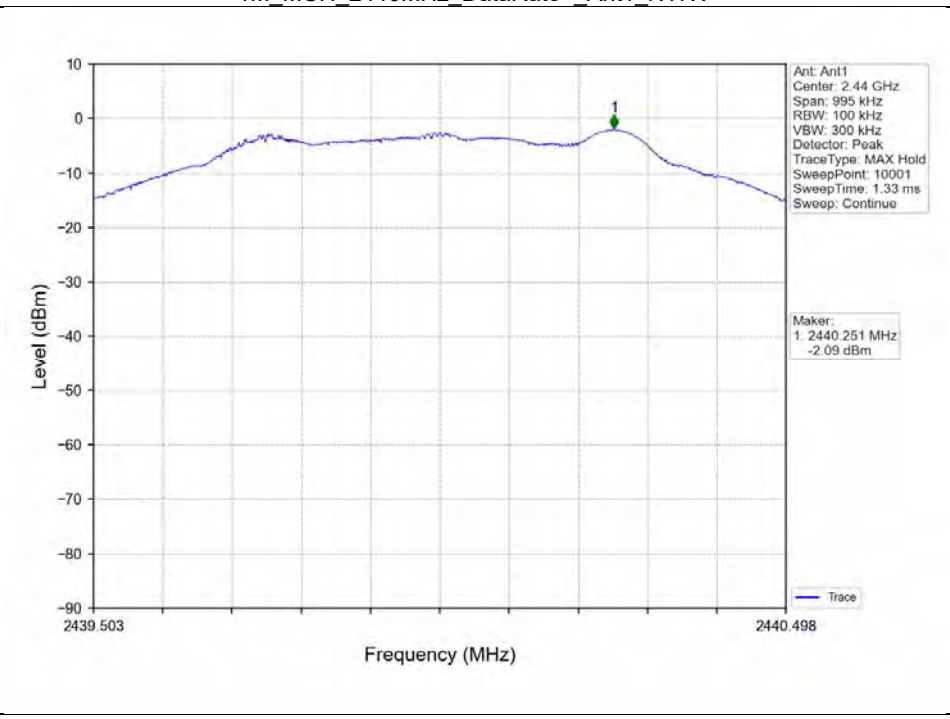

S2_HCH_2480MHz_DataRate=_Ant1_NTNV



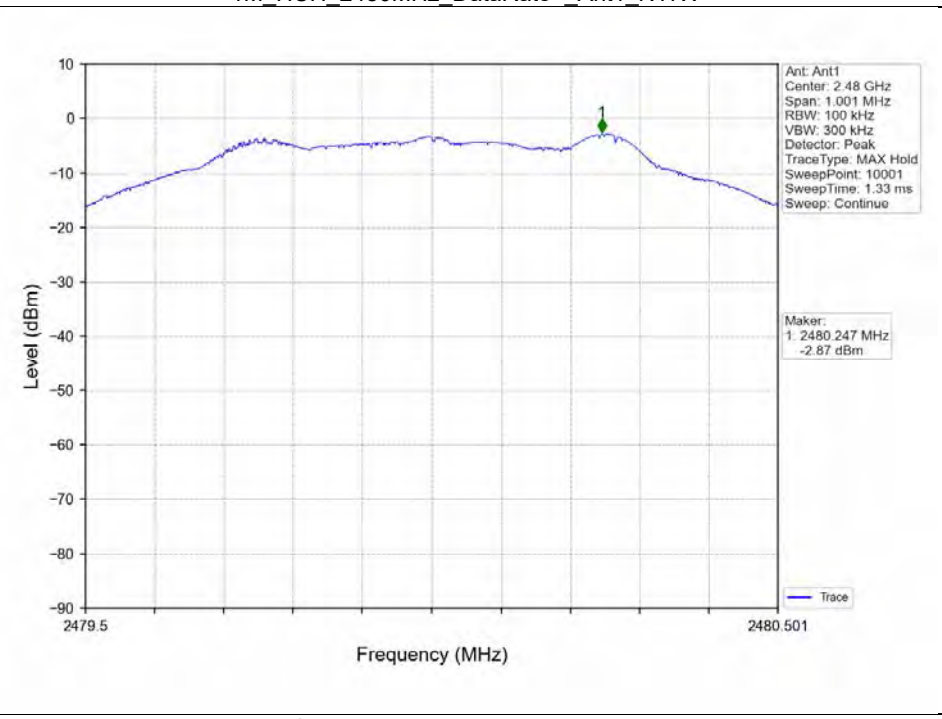
1M_LCH_2402MHz_DataRate=_Ant1_NTNV



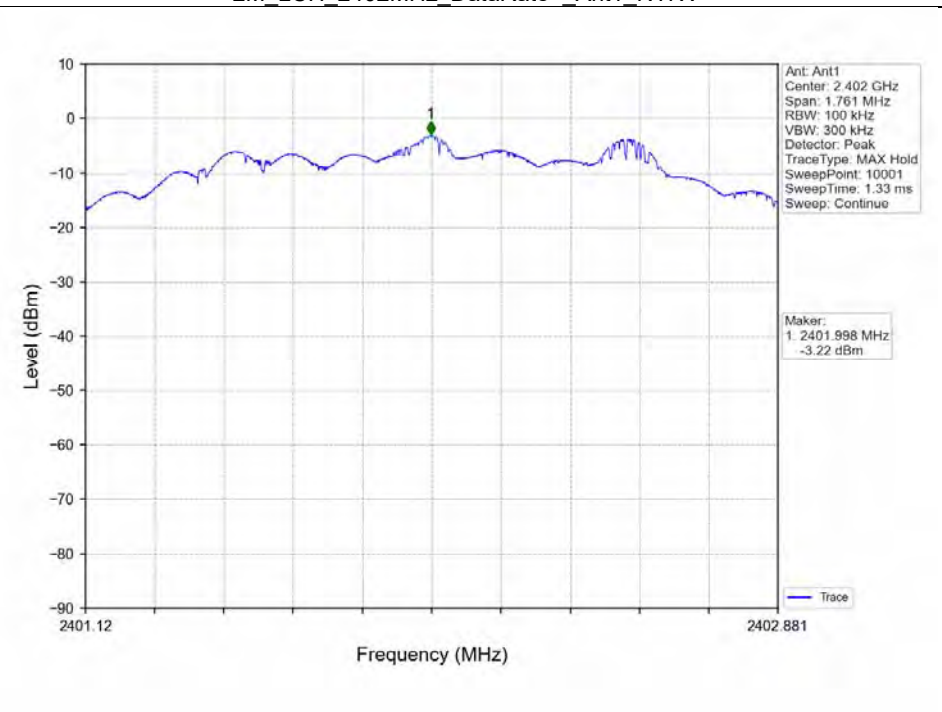

1M_MCH_2440MHz_DataRate=_Ant1_NTNV



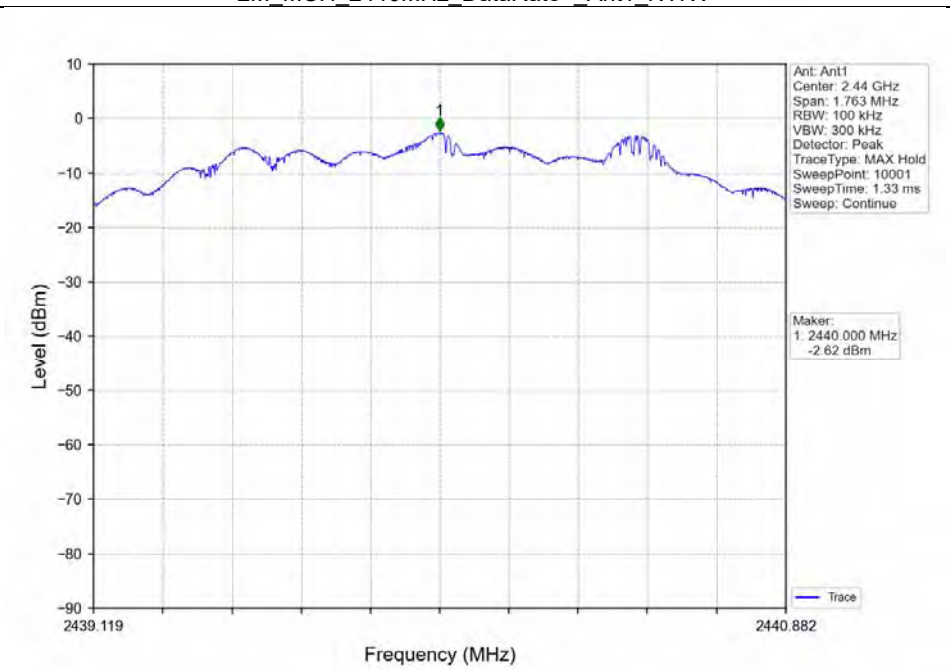
1M_HCH_2480MHz_DataRate=_Ant1_NTNV



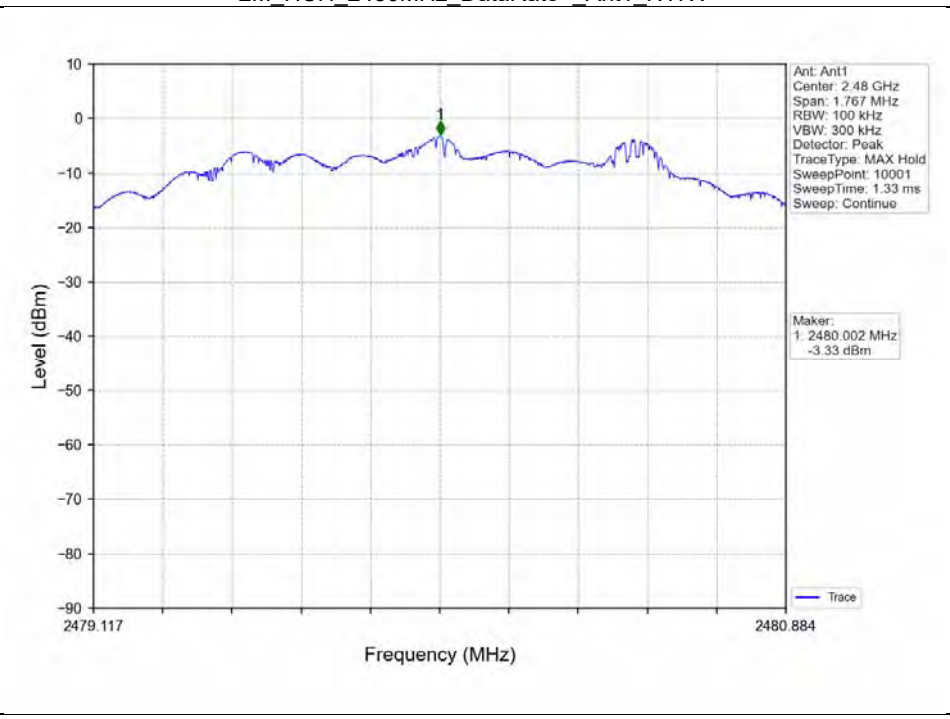

2M_LCH_2402MHz_DataRate=_Ant1_NTNV



2M_MCH_2440MHz_DataRate=_Ant1_NTNV




2M_HCH_2480MHz_DataRate=_Ant1_NTNV



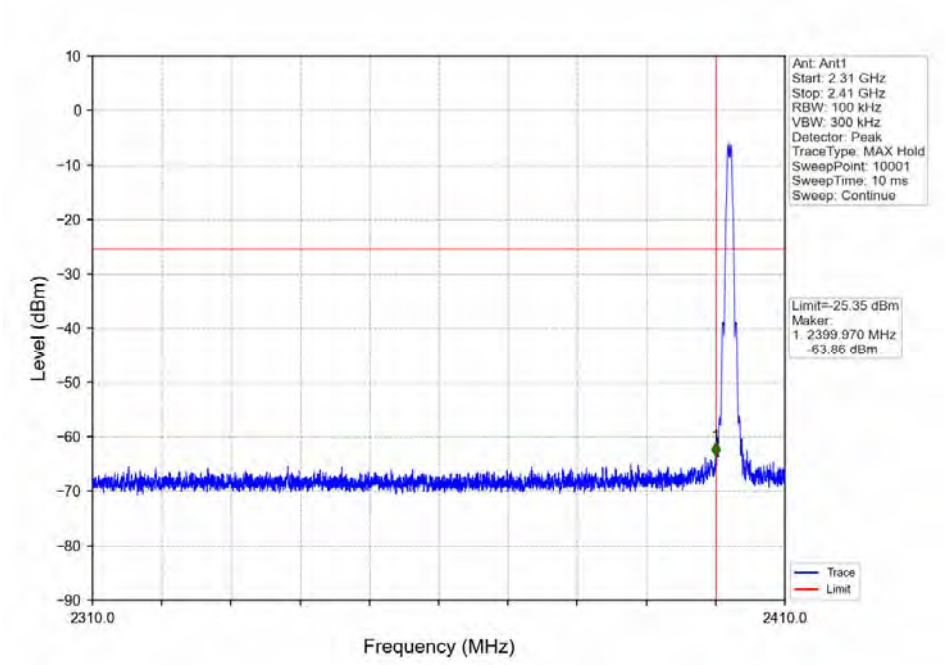
CSE

Test Result

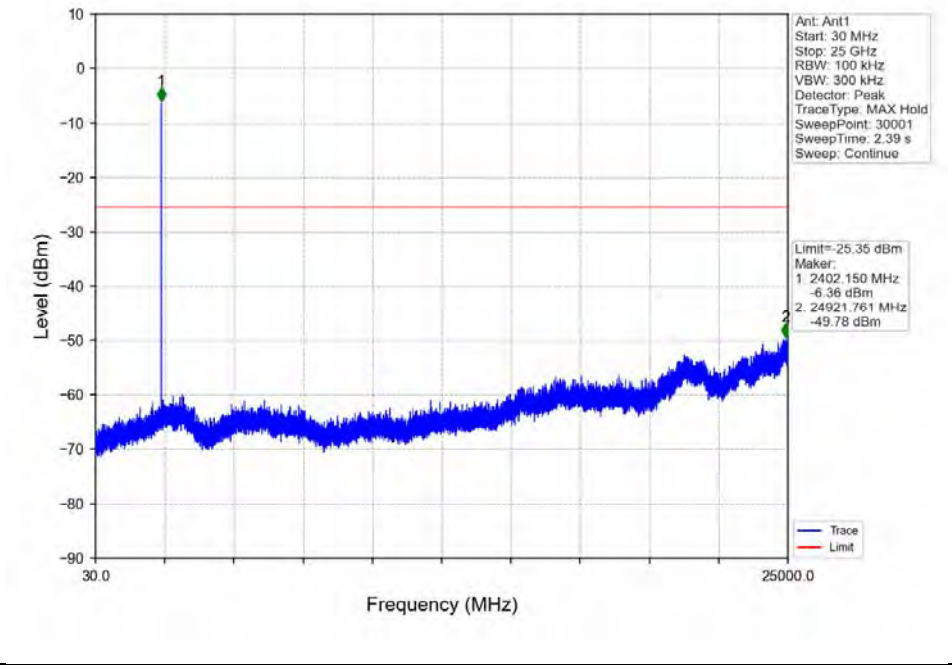
| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| S8 | SISO | 2402 | 1 | -5.35 | -25.35 | Pass |
| | | 2440 | 1 | -5.35 | -25.35 | Pass |
| | | 2480 | 1 | -5.35 | -25.35 | Pass |
| S2 | SISO | 2402 | 1 | -2.07 | -22.07 | Pass |
| | | 2440 | 1 | -2.07 | -22.07 | Pass |
| | | 2480 | 1 | -2.07 | -22.07 | Pass |
| 1M | SISO | 2402 | 1 | -2.09 | -22.09 | Pass |
| | | 2440 | 1 | -2.09 | -22.09 | Pass |
| | | 2480 | 1 | -2.09 | -22.09 | Pass |
| 2M | SISO | 2402 | 1 | -2.62 | -22.62 | Pass |
| | | 2440 | 1 | -2.62 | -22.62 | Pass |
| | | 2480 | 1 | -2.62 | -22.62 | 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. | | | | | | |

Test Graph

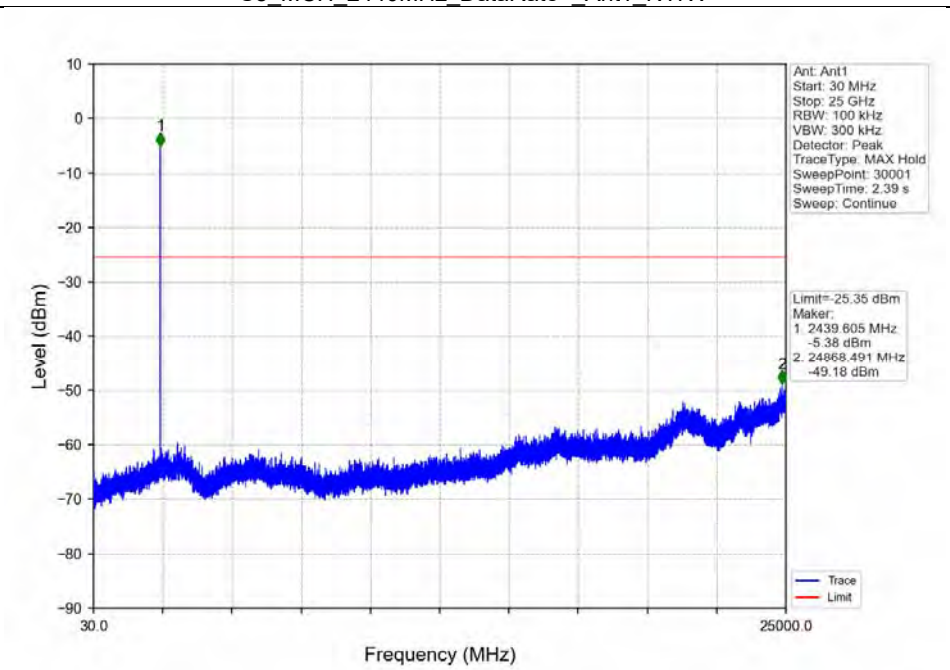
S8_LCH_2402MHz_DataRate=_Ant1_NTNV



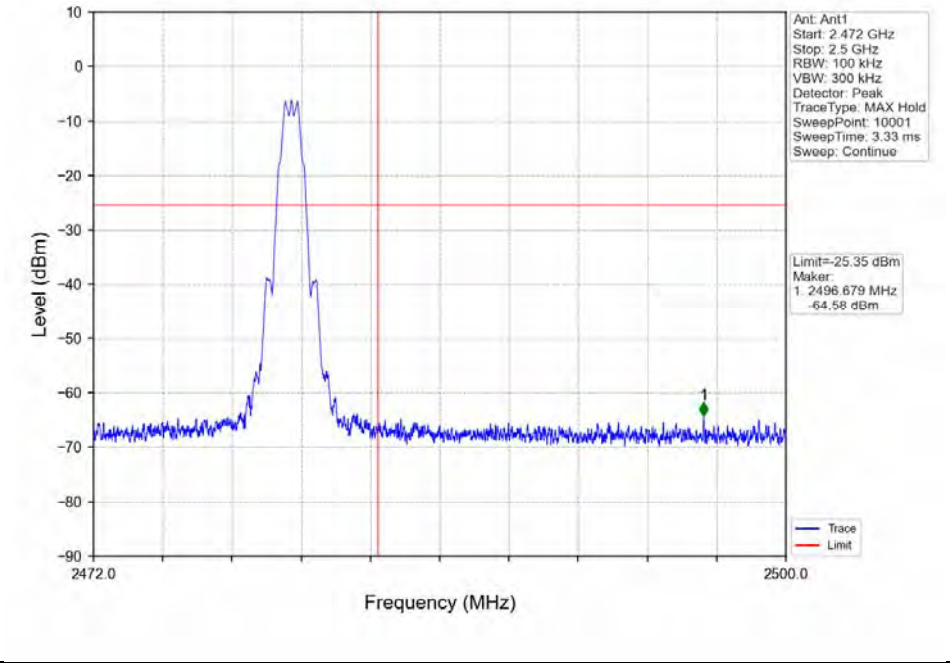

S8_LCH_2402MHz_DataRate=_Ant1_NTNV



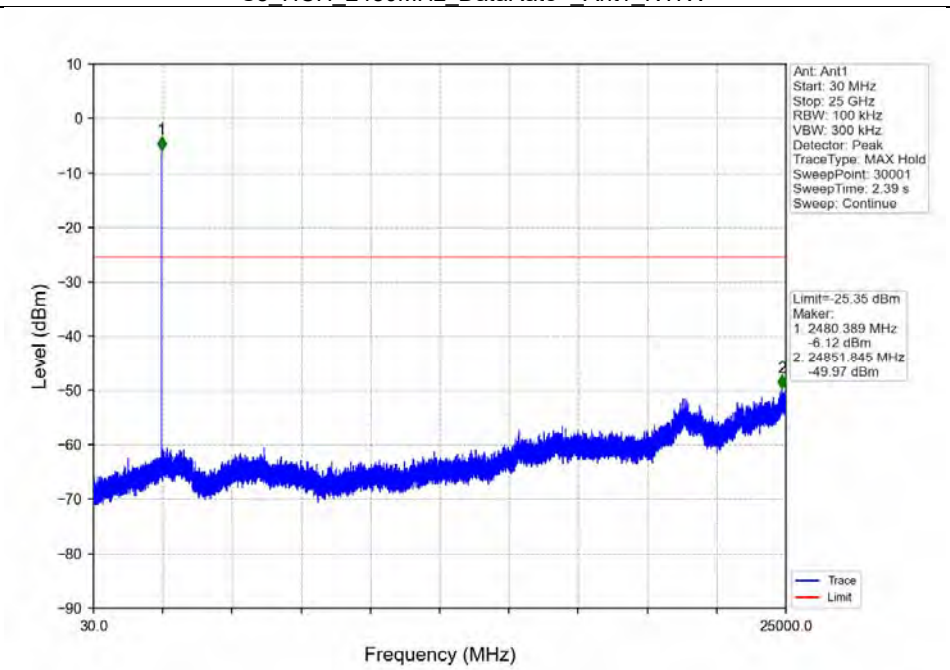
S8_MCH_2440MHz_DataRate=_Ant1_NTNV



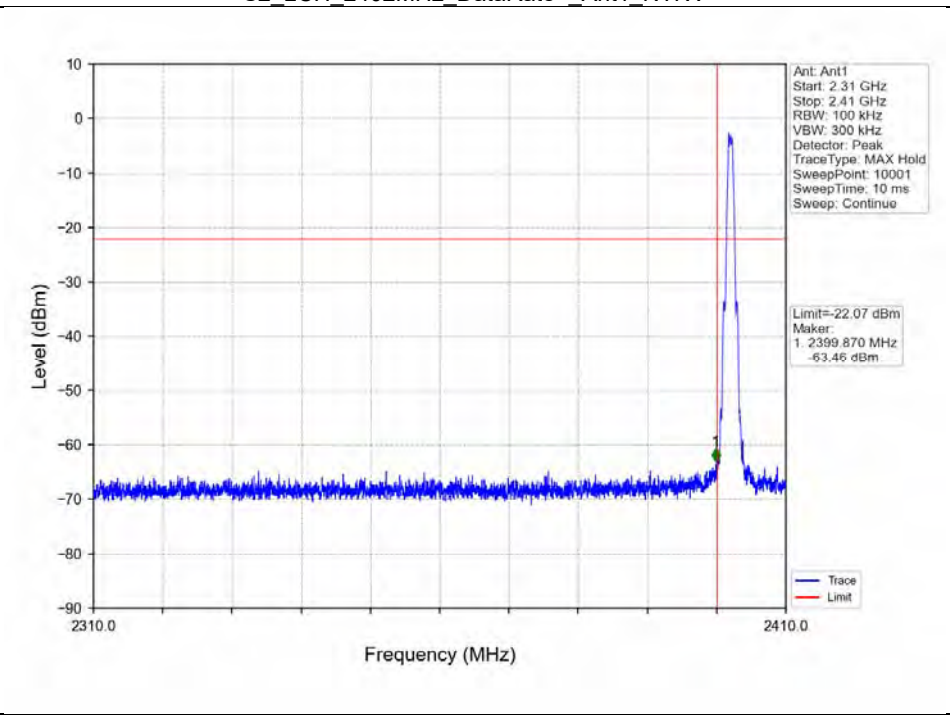

S8_HCH_2480MHz_DataRate=_Ant1_NTNV



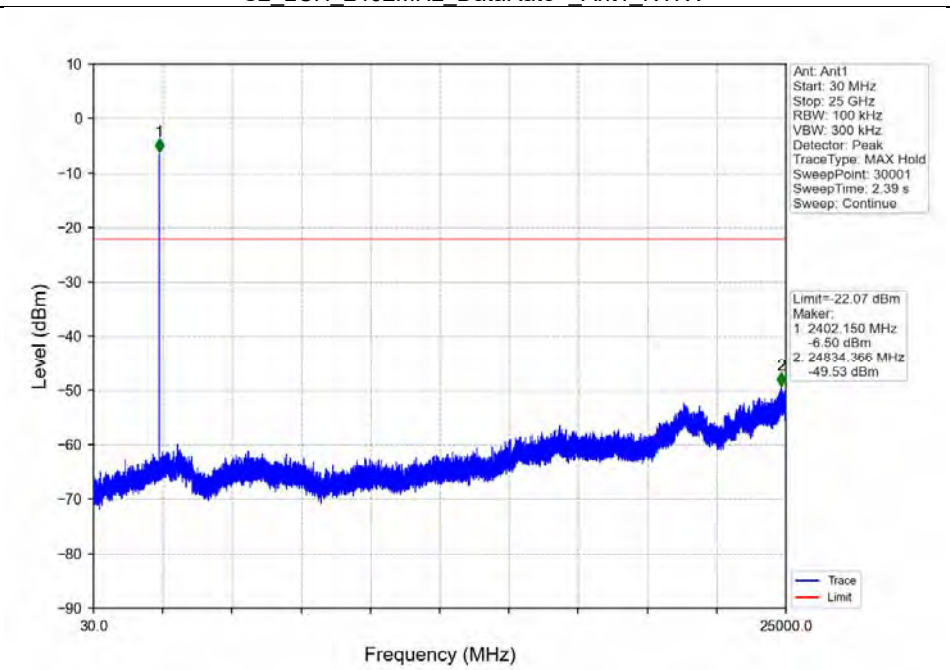
S8_HCH_2480MHz_DataRate=_Ant1_NTNV



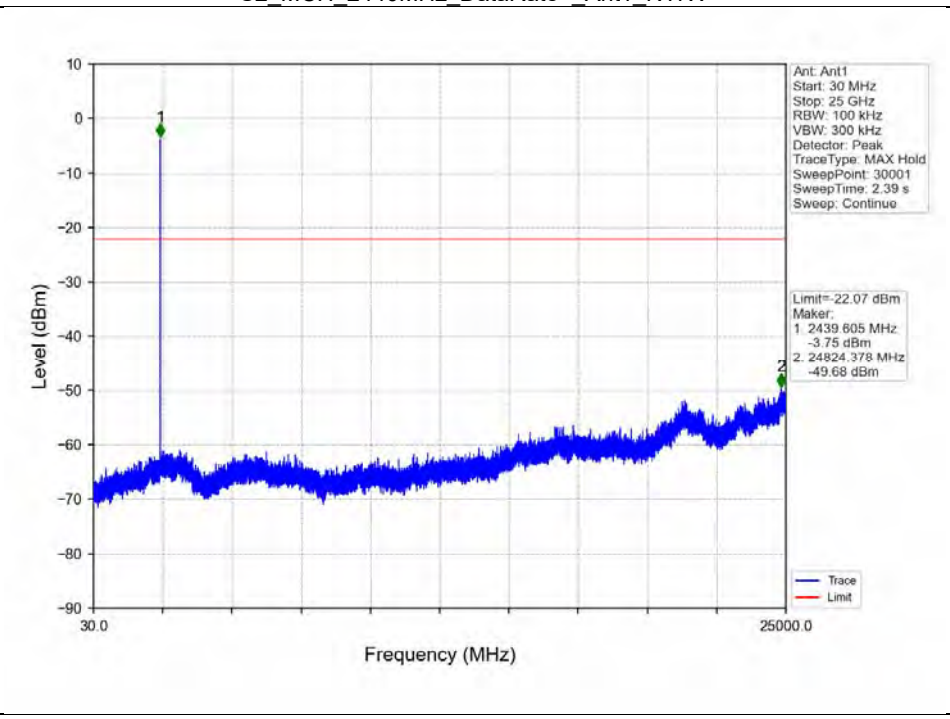

S2_LCH_2402MHz_DataRate=_Ant1_NTNV



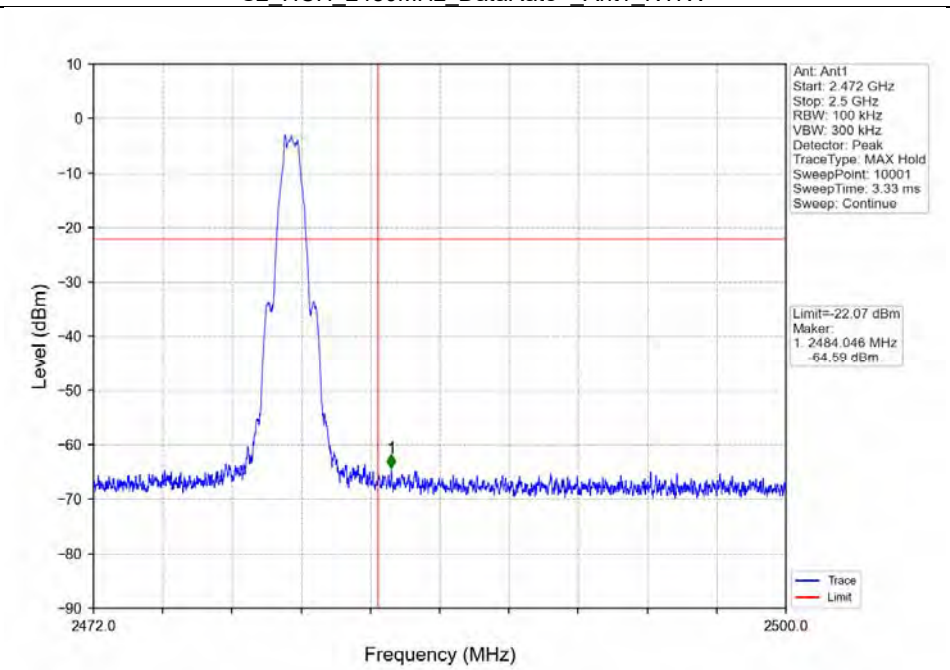
S2_LCH_2402MHz_DataRate=_Ant1_NTNV



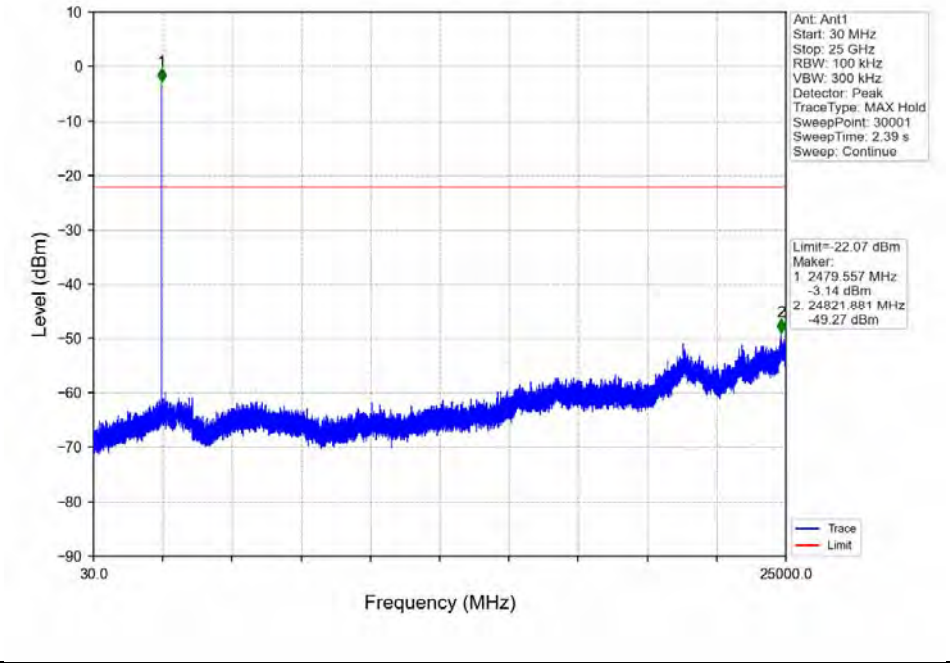

S2_MCH_2440MHz_DataRate=_Ant1_NTNV

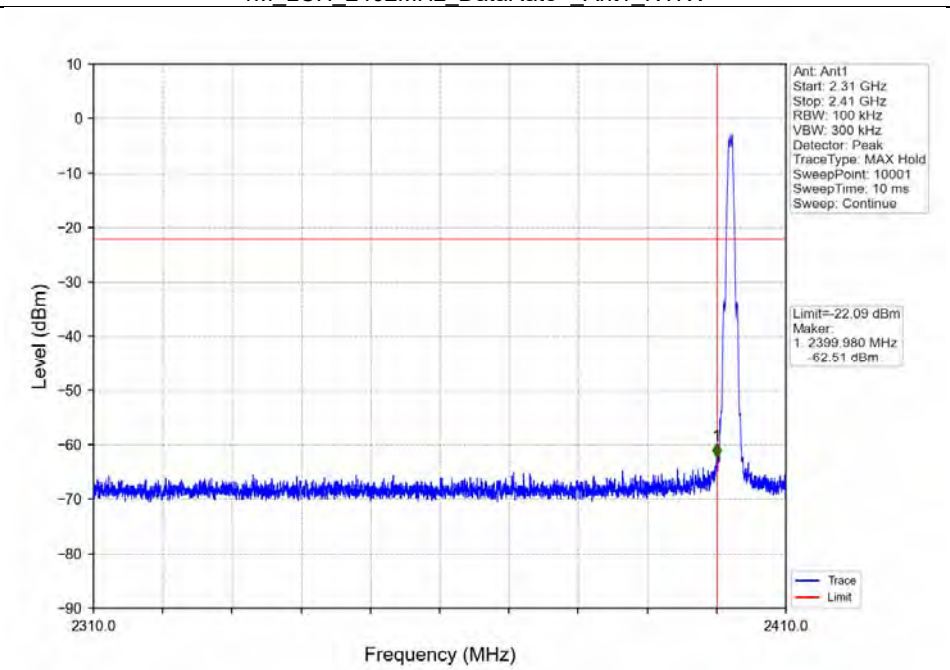
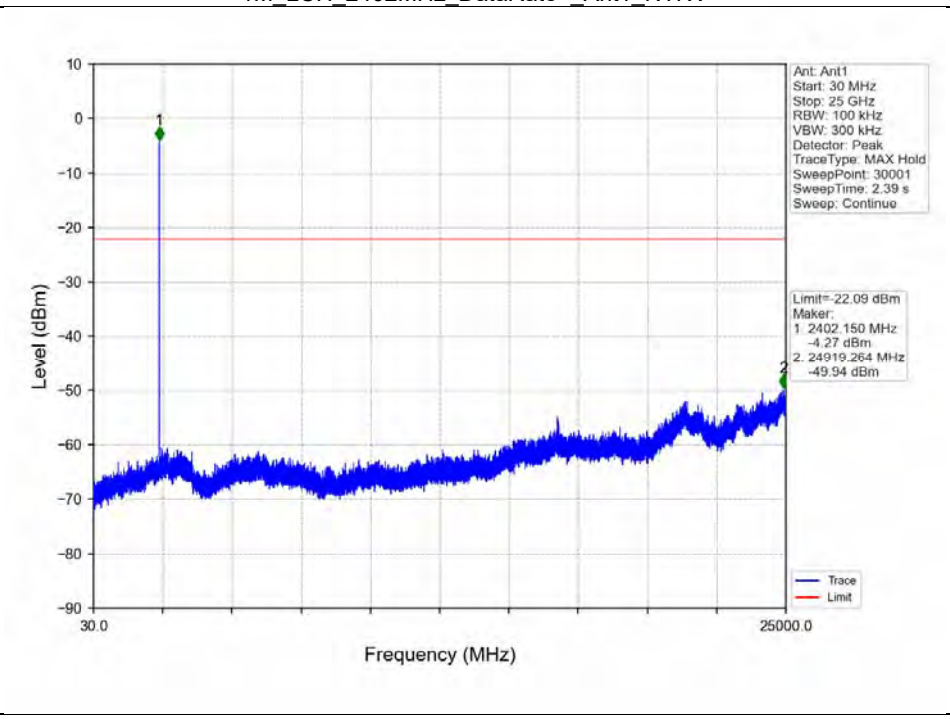


S2_HCH_2480MHz_DataRate=_Ant1_NTNV

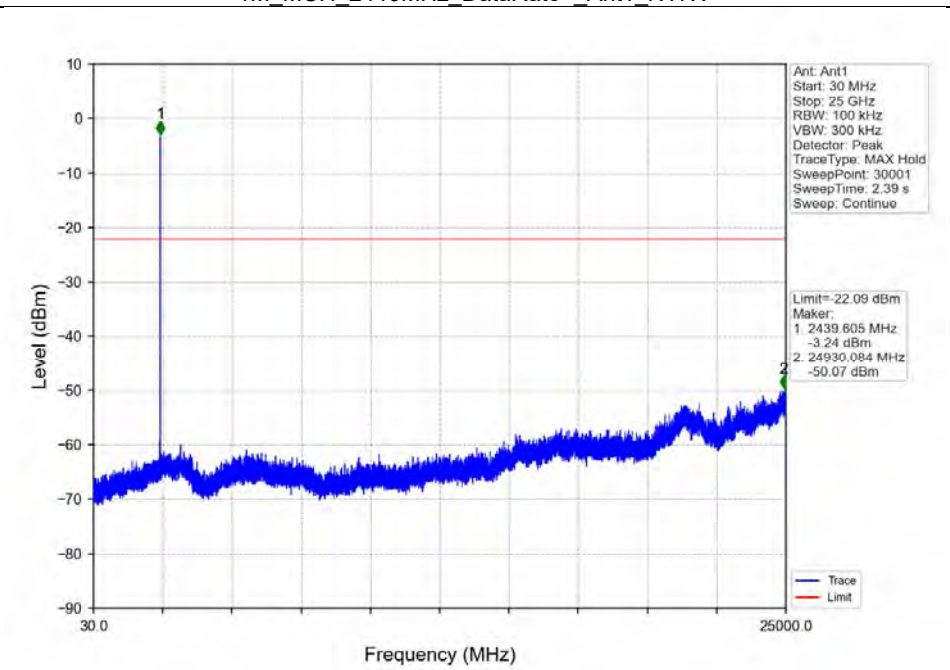



S2_HCH_2480MHz_DataRate=_Ant1_NTNV

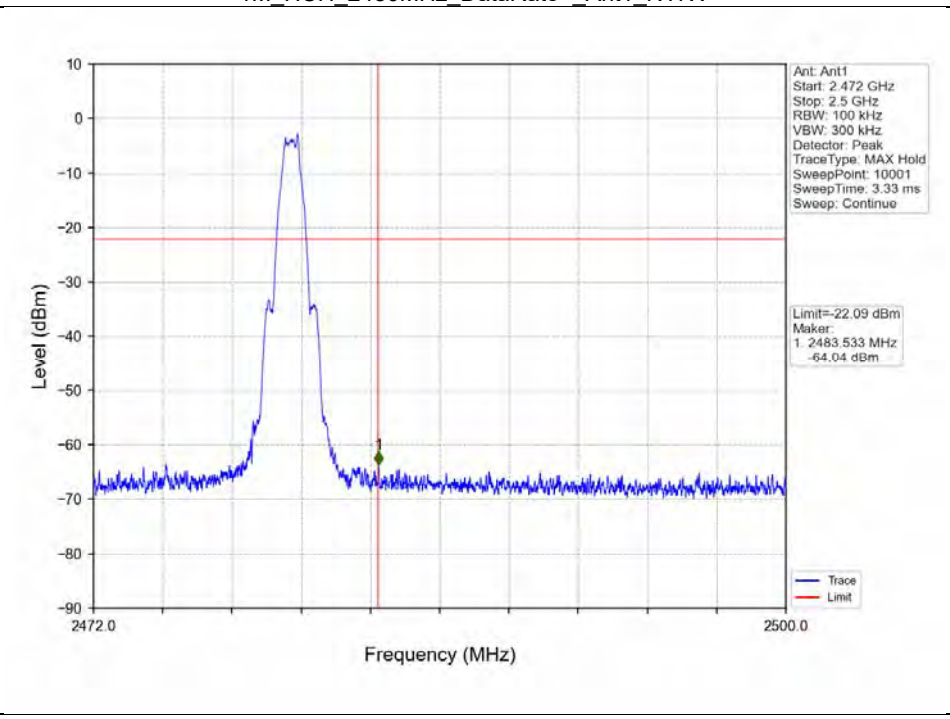


| 1M_LCH_2402MHz_DataRate=_Ant1_NTNV |
| --- |
|  |
| 1M_LCH_2402MHz_DataRate=_Ant1_NTNV |
|  |

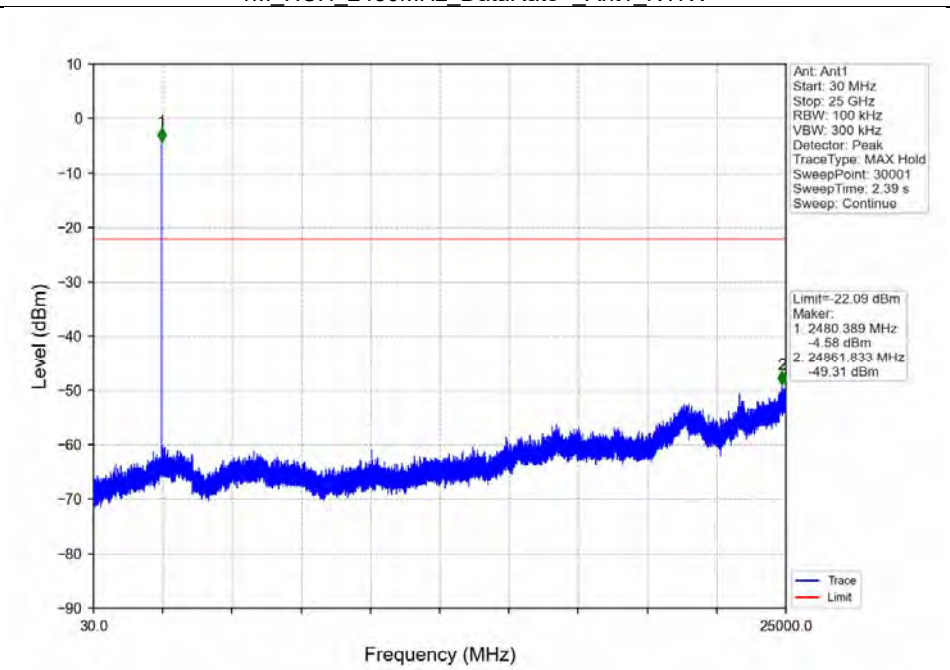
1M_MCH_2440MHz_DataRate=_Ant1_NTNV



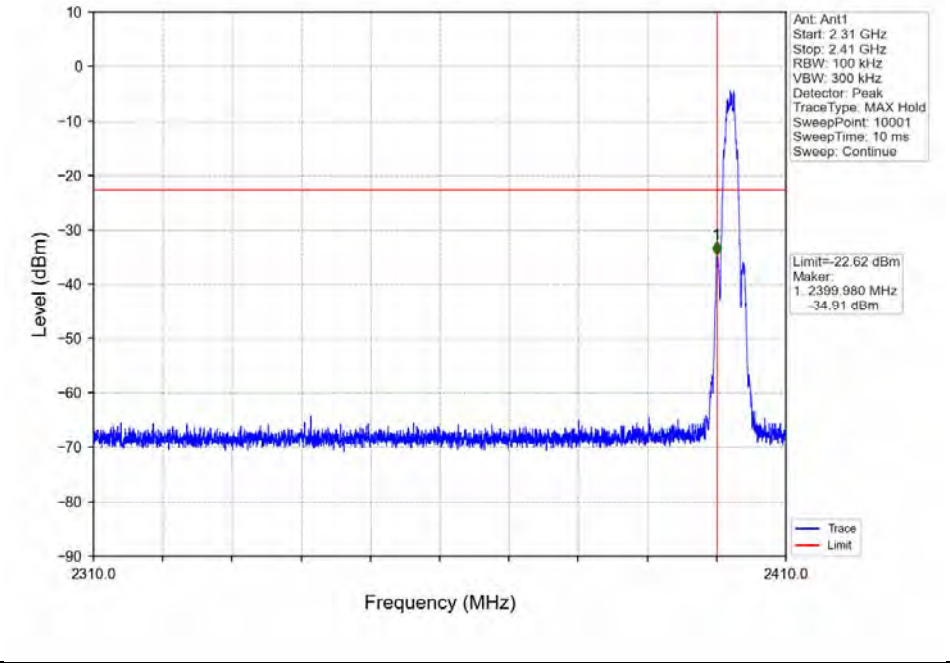

1M_HCH_2480MHz_DataRate=_Ant1_NTNV



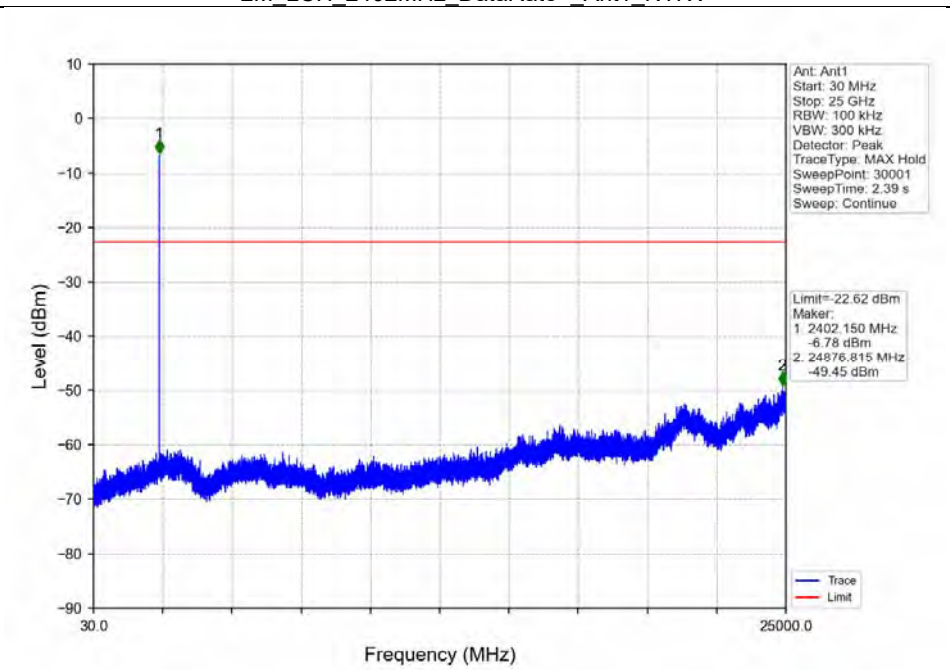
1M_HCH_2480MHz_DataRate=_Ant1_NTNV



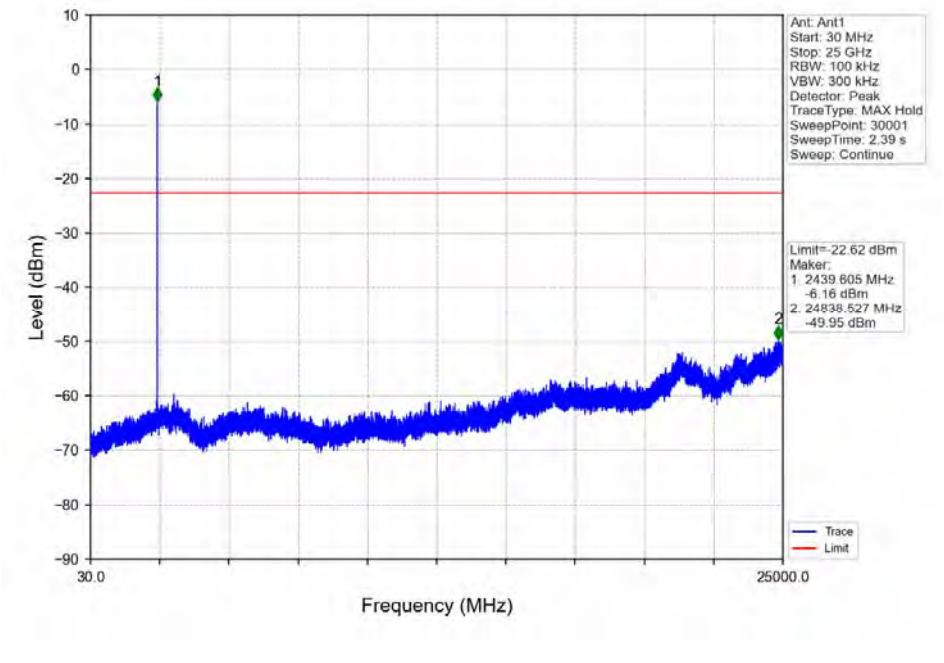

2M_LCH_2402MHz_DataRate=_Ant1_NTNV



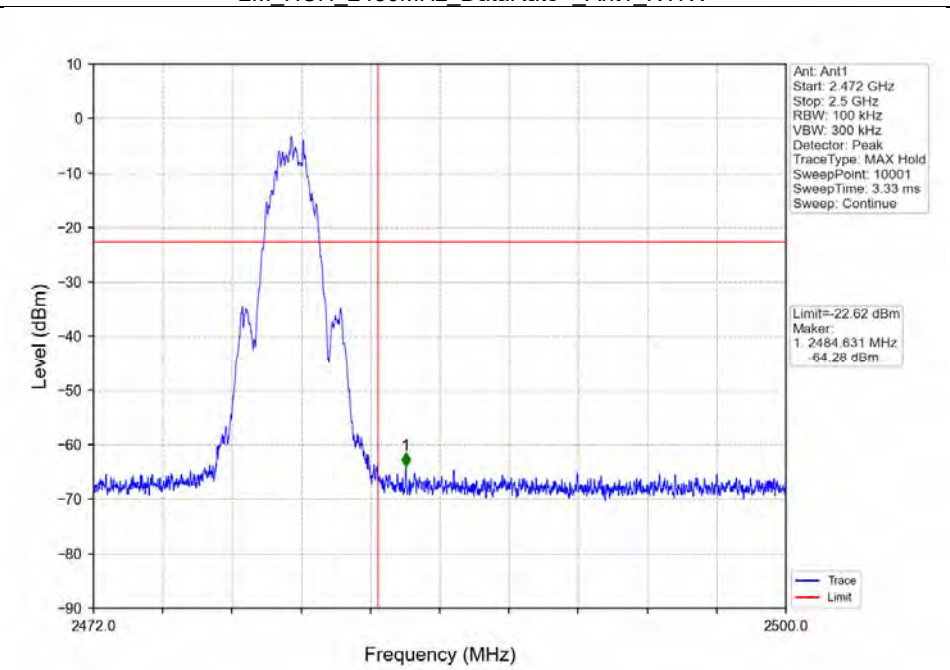
2M_LCH_2402MHz_DataRate=_Ant1_NTNV




2M_MCH_2440MHz_DataRate=_Ant1_NTNV



2M_HCH_2480MHz_DataRate=_Ant1_NTNV




2M_HCH_2480MHz_DataRate=_Ant1_NTNV