

## 1. Duty Cycle

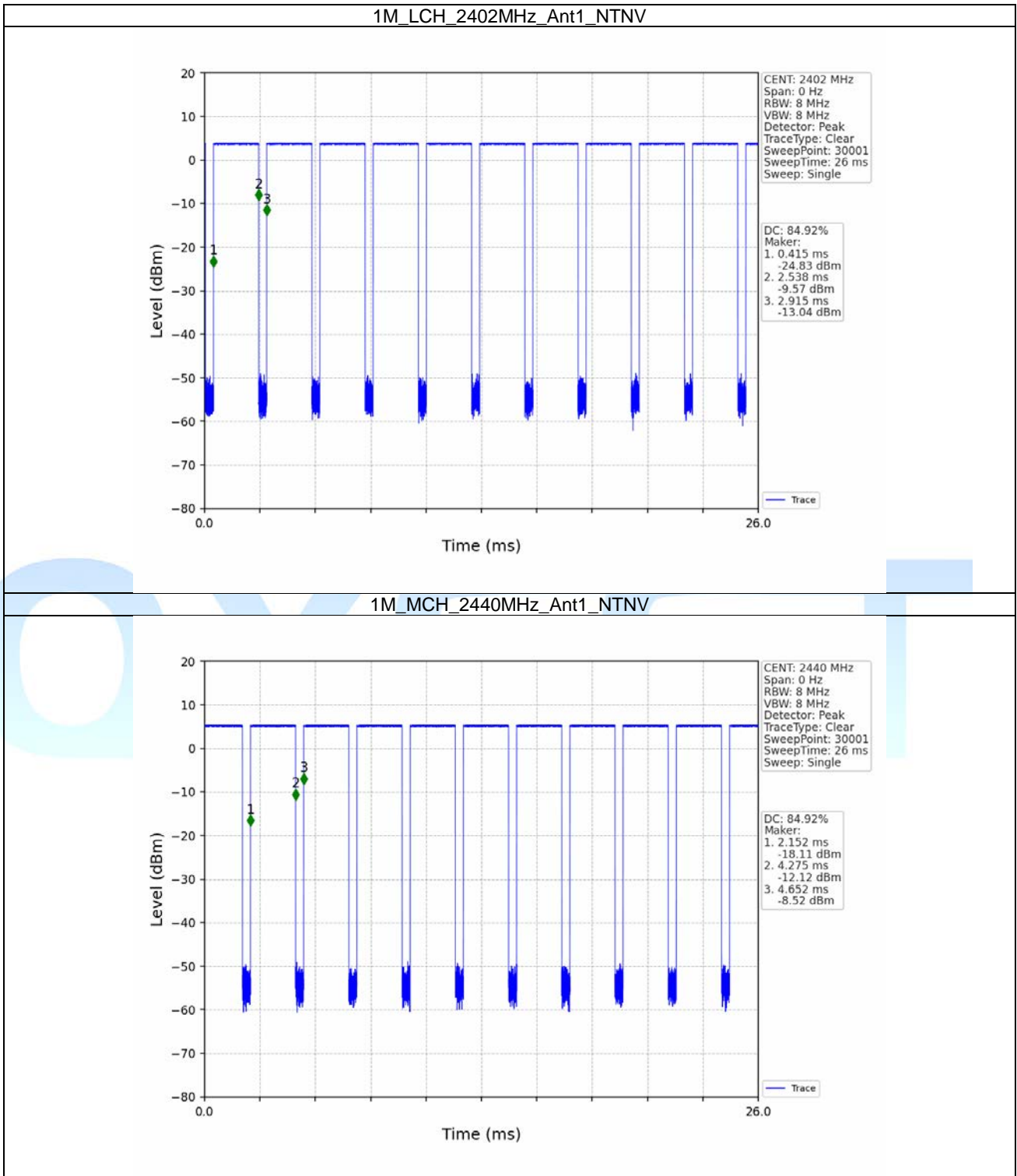
### 1.1 Test Result

#### 1.1.1 Ant1

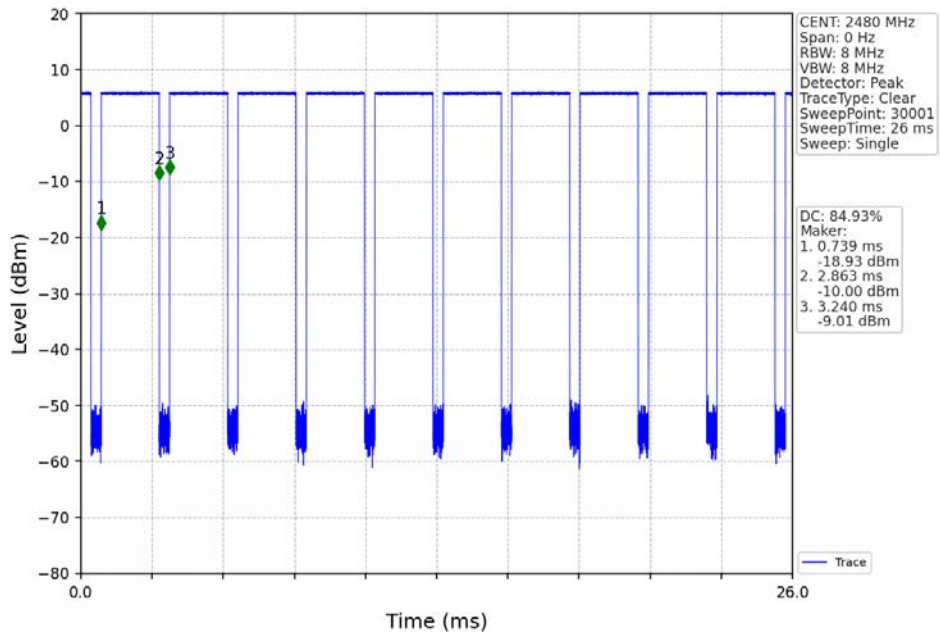
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	2.123	2.500	84.92	0.71	0.03
		2440	2.123	2.500	84.92	0.71	0.03
		2480	2.124	2.501	84.93	0.71	0.03
2M	SISO	2402	1.065	1.874	56.83	2.45	0.03
		2440	1.066	1.875	56.85	2.45	0.03
		2480	1.065	1.874	56.83	2.45	0.03

## 1.2 Test Graph

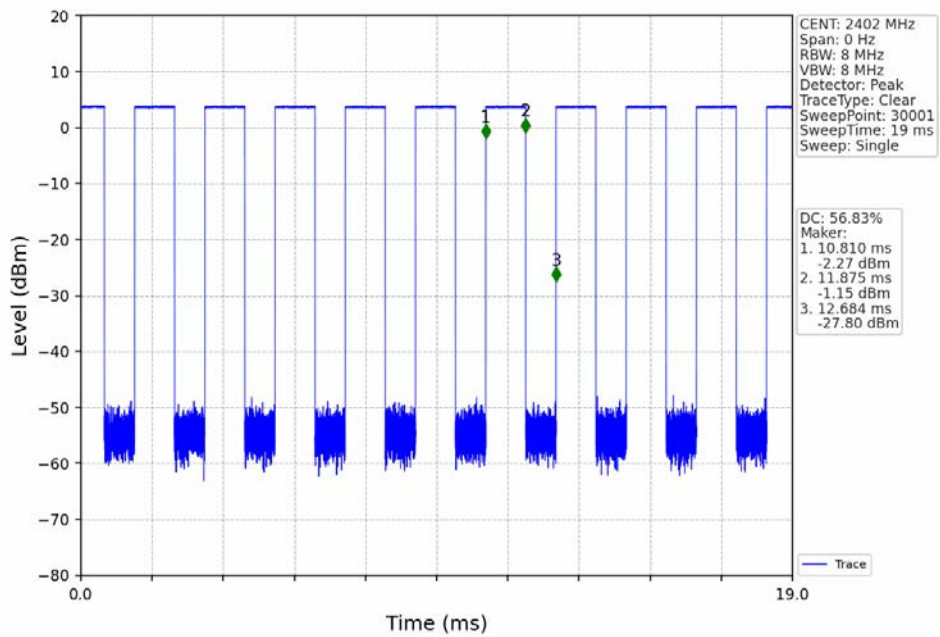
### 1.2.1 Ant1



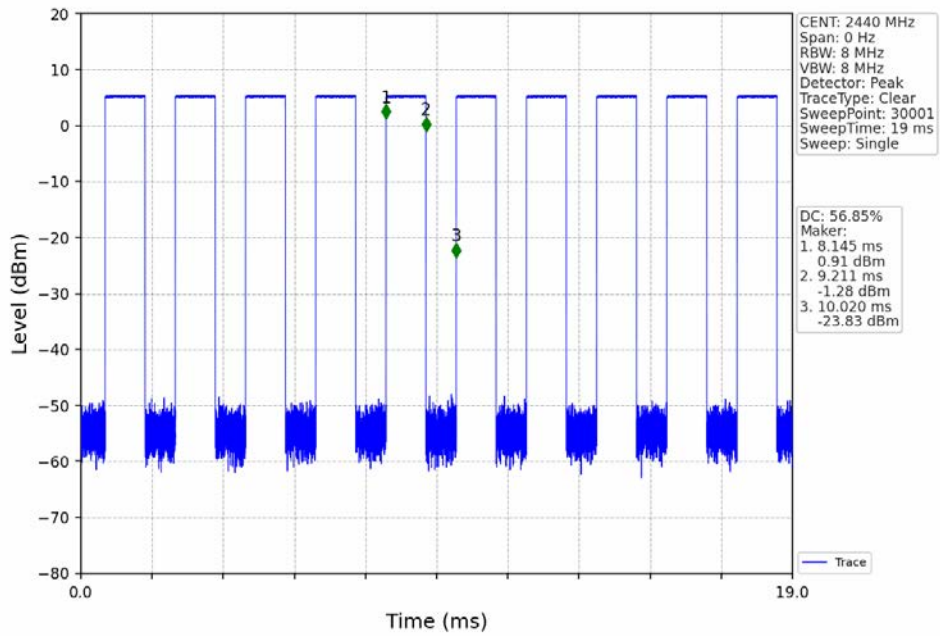
1M\_HCH\_2480MHz\_Ant1\_NTNV



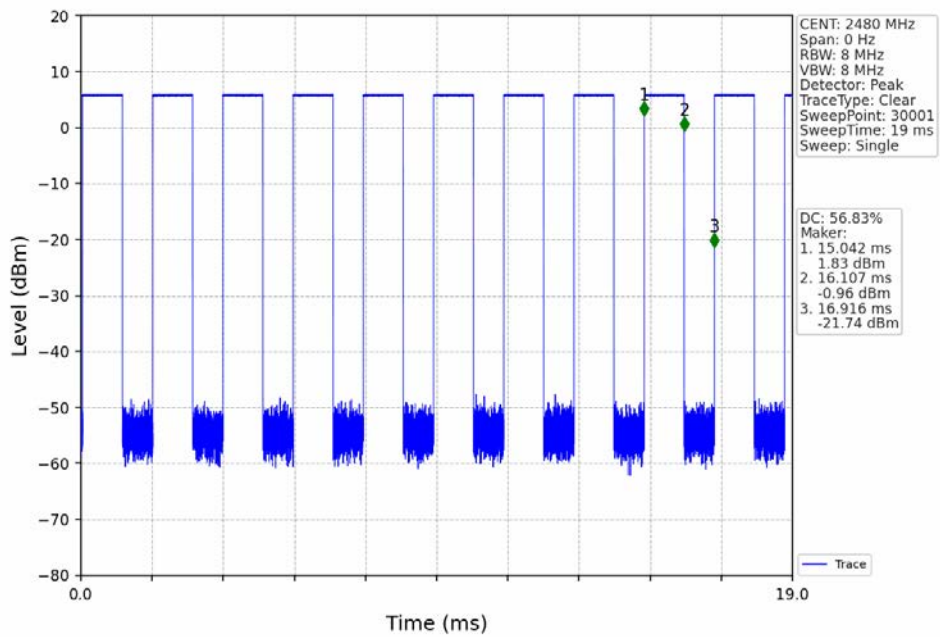
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

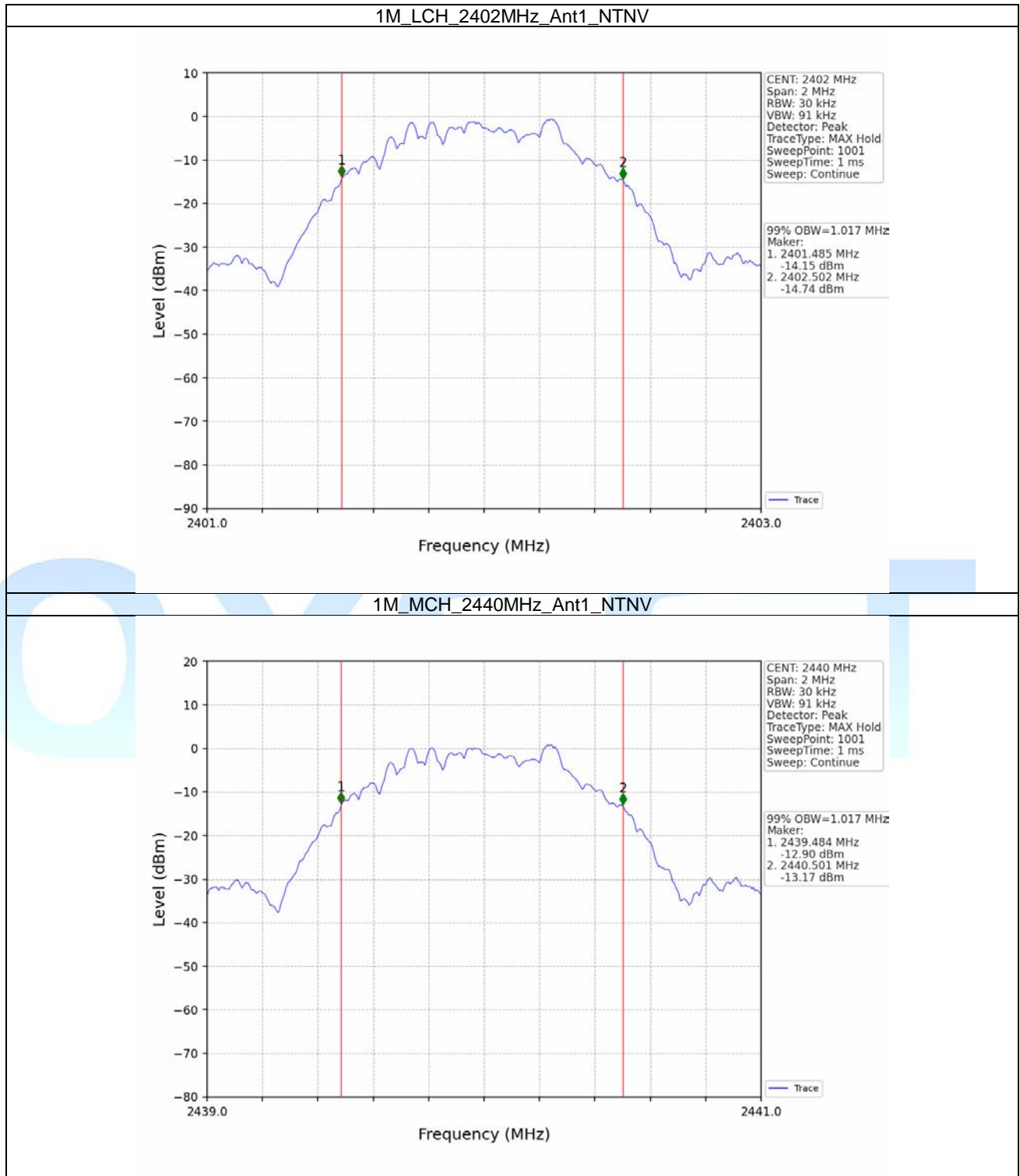
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.017	/	Pass
		2440	1	1.017	/	Pass
		2480	1	1.018	/	Pass
2M	SISO	2402	1	2.044	/	Pass
		2440	1	2.041	/	Pass
		2480	1	2.046	/	Pass

#### 2.1.2 6dB BW

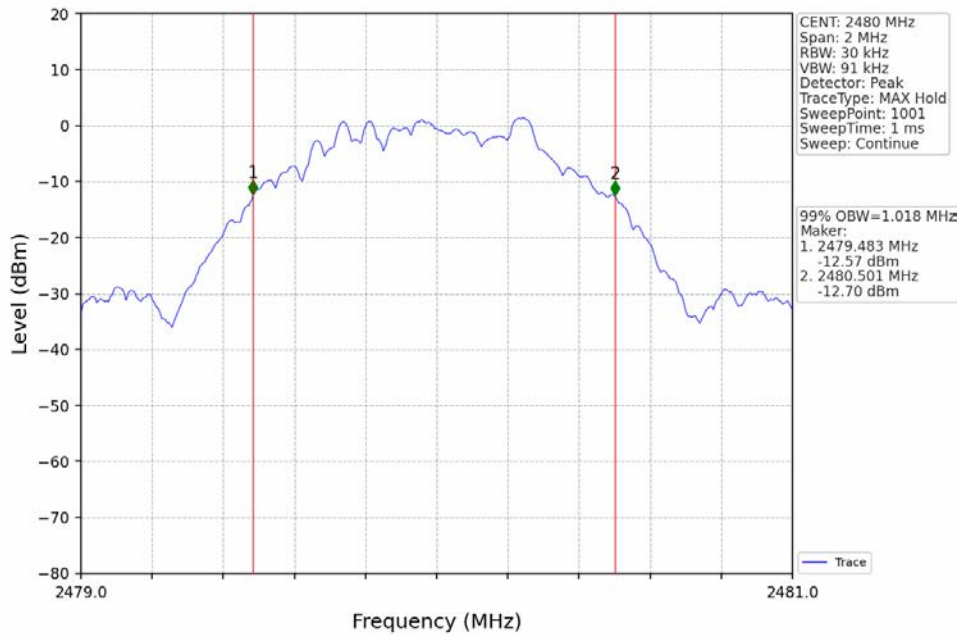
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.671	$\geq 0.5$	Pass
		2440	1	0.666	$\geq 0.5$	Pass
		2480	1	0.668	$\geq 0.5$	Pass
2M	SISO	2402	1	1.241	$\geq 0.5$	Pass
		2440	1	1.183	$\geq 0.5$	Pass
		2480	1	1.237	$\geq 0.5$	Pass

## 2.2 Test Graph

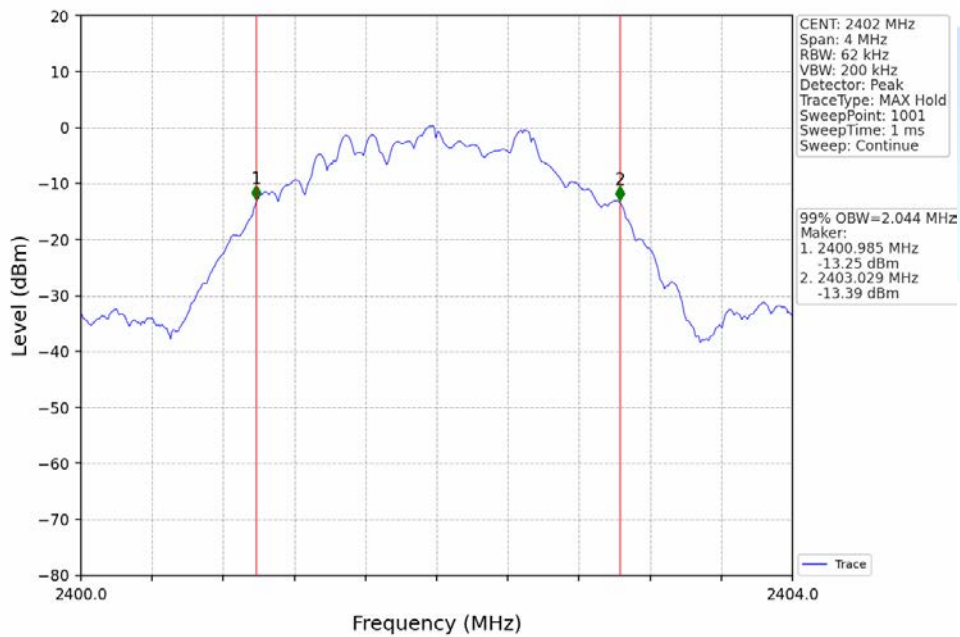
### 2.2.1 OBW

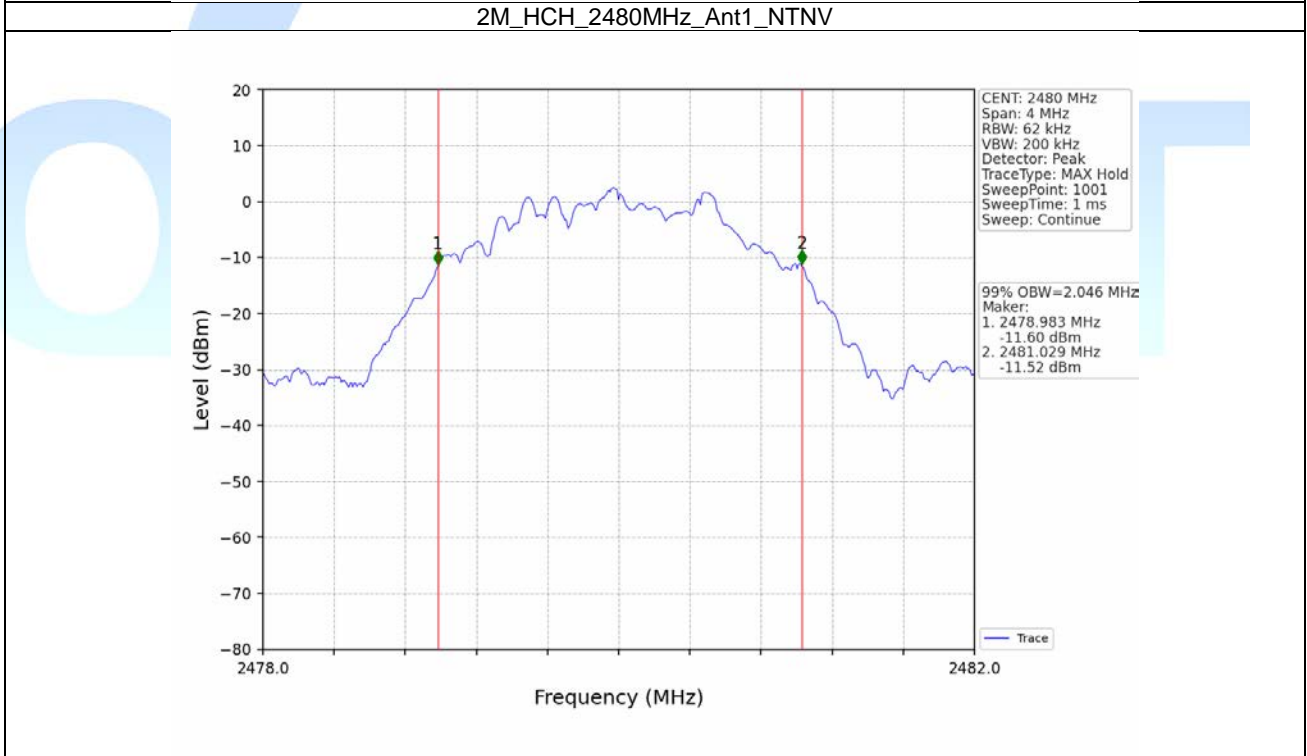
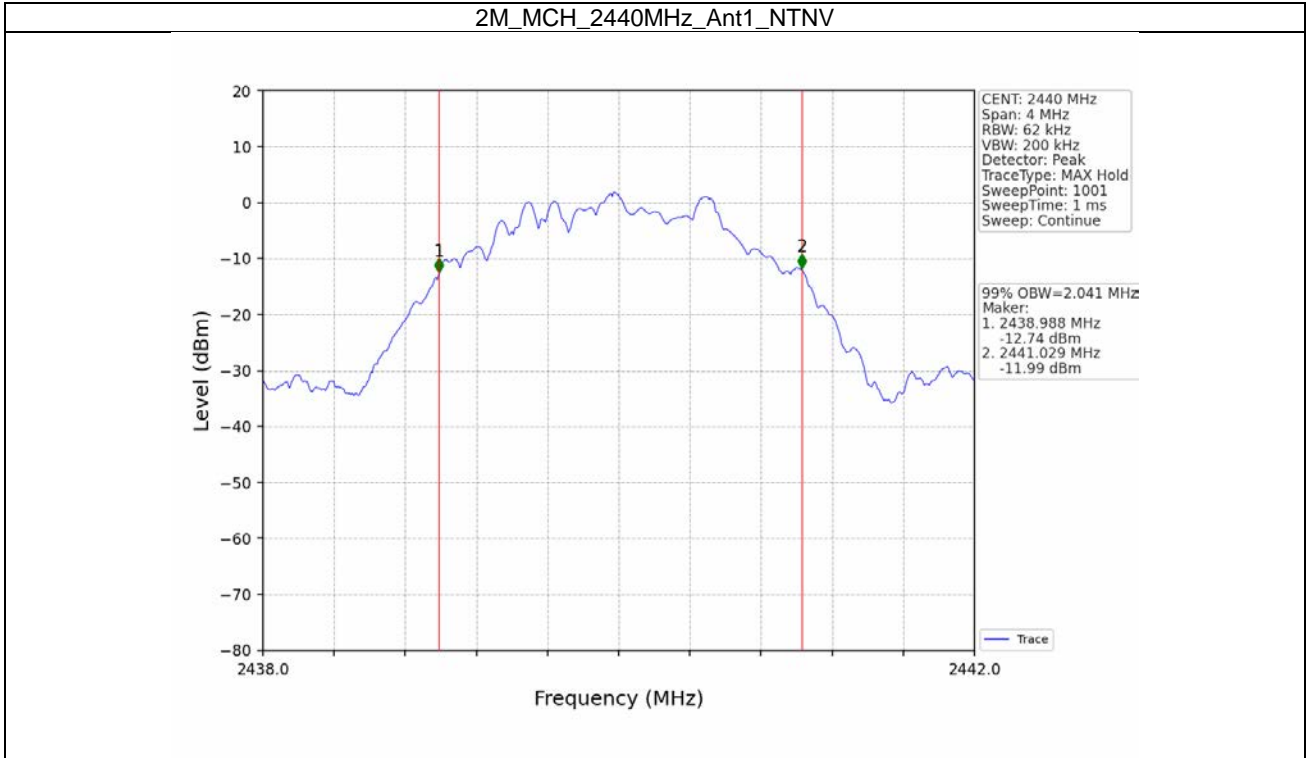


1M\_HCH\_2480MHz\_Ant1\_NTNV



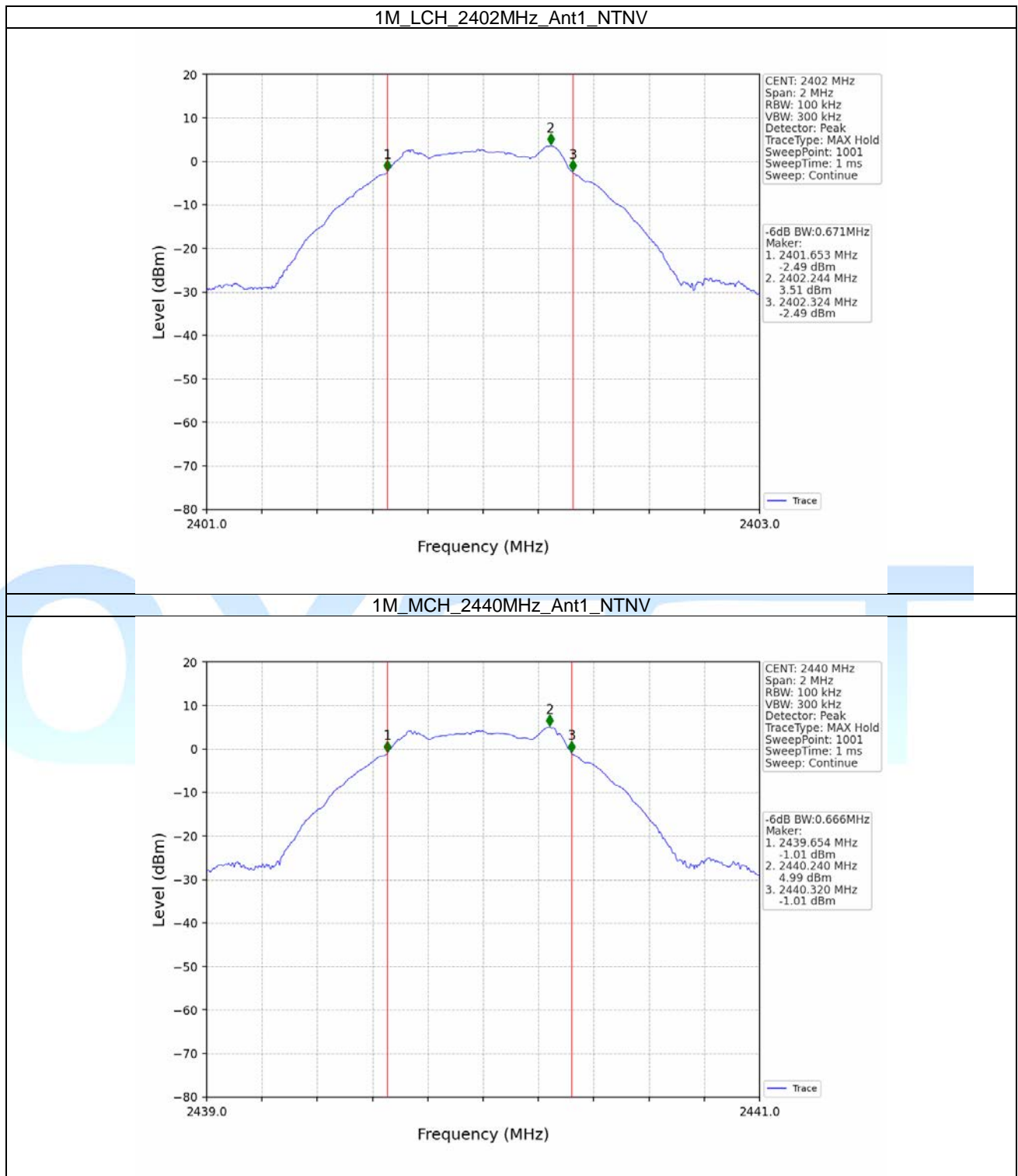
2M\_LCH\_2402MHz\_Ant1\_NTNV



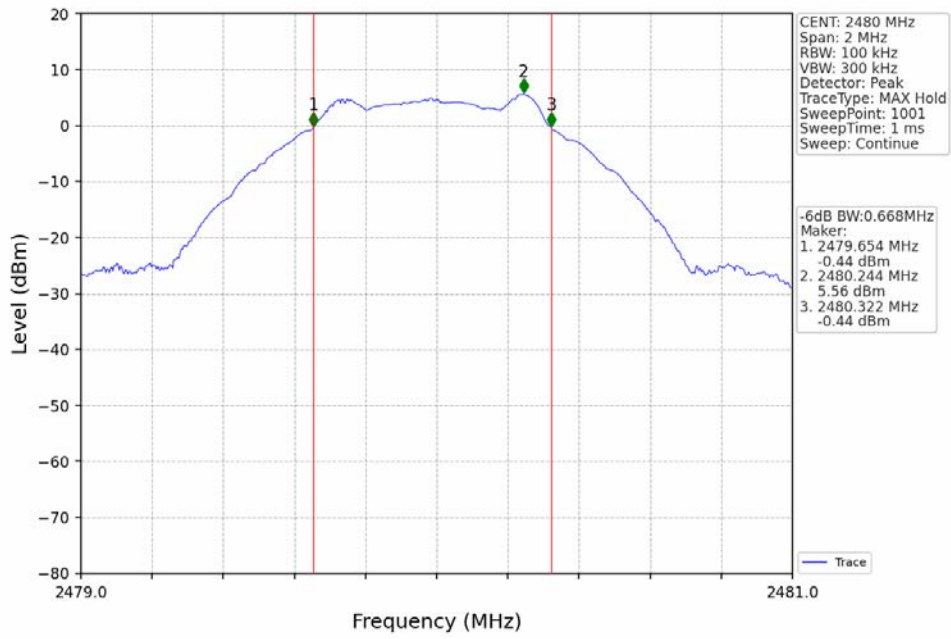




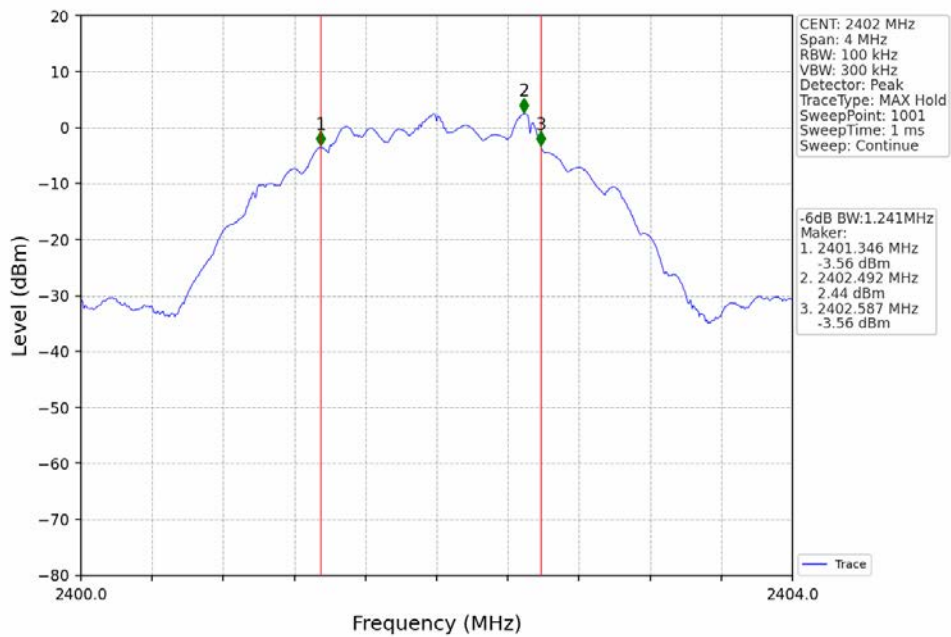
### 2.2.2 6dB BW

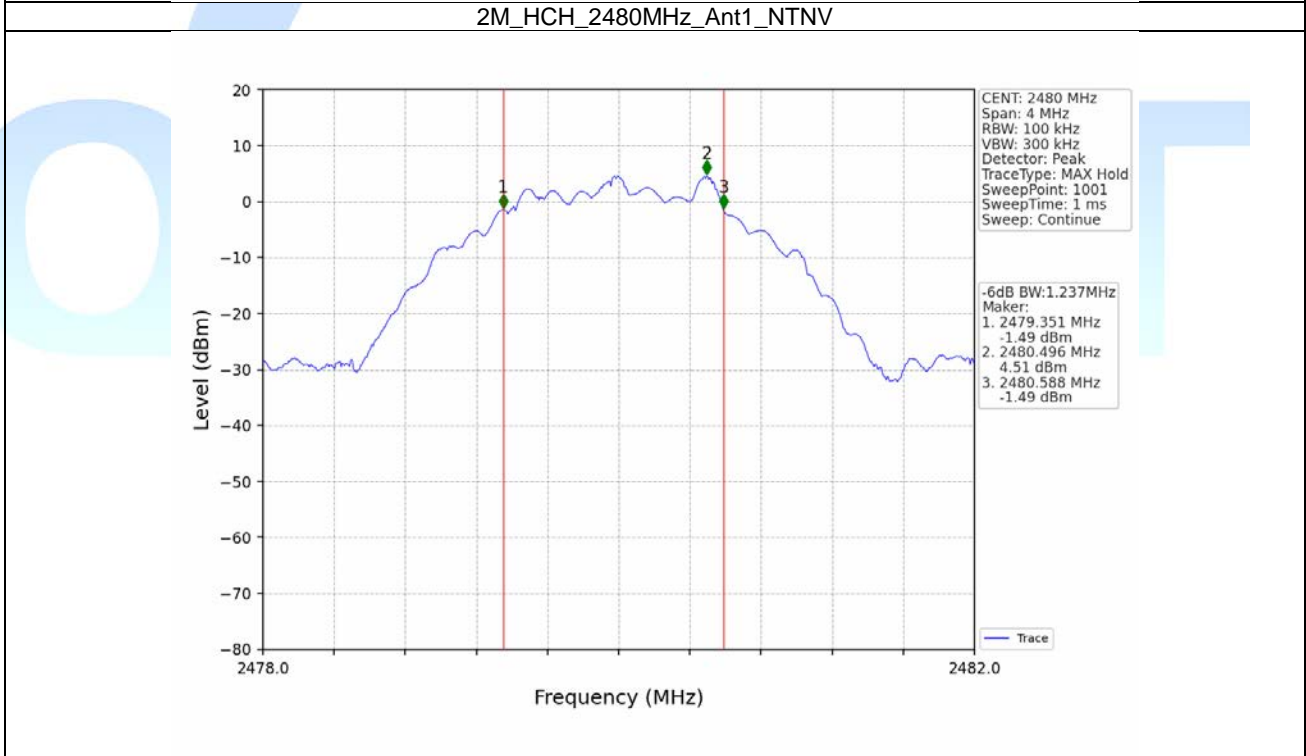
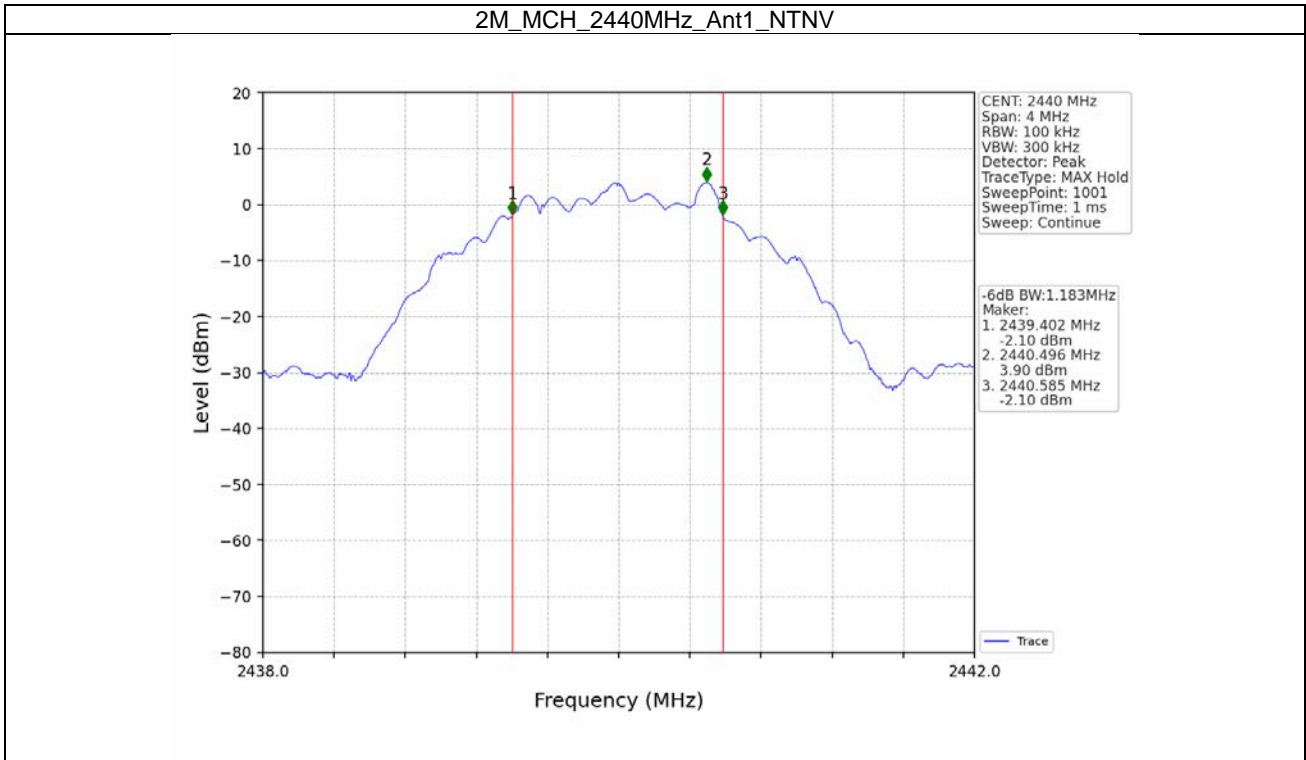


1M\_HCH\_2480MHz\_Ant1\_NTNV



2M\_LCH\_2402MHz\_Ant1\_NTNV





### 3. Maximum Conducted Output Power

#### 3.1 Test Result

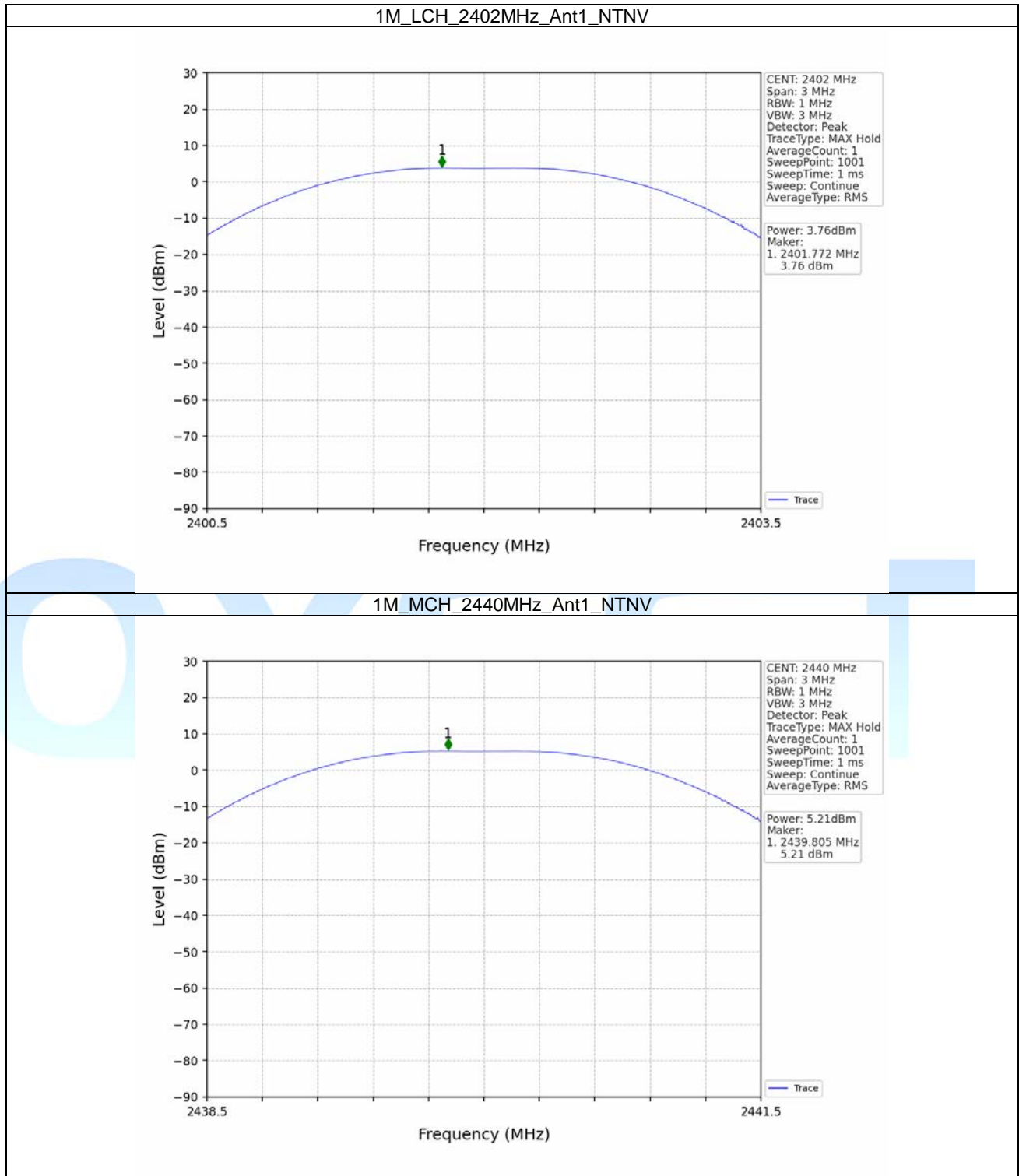
##### 3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.76	<=30	Pass
		2440	5.21	<=30	Pass
		2480	5.82	<=30	Pass
2M	SISO	2402	3.77	<=30	Pass
		2440	5.23	<=30	Pass
		2480	5.88	<=30	Pass

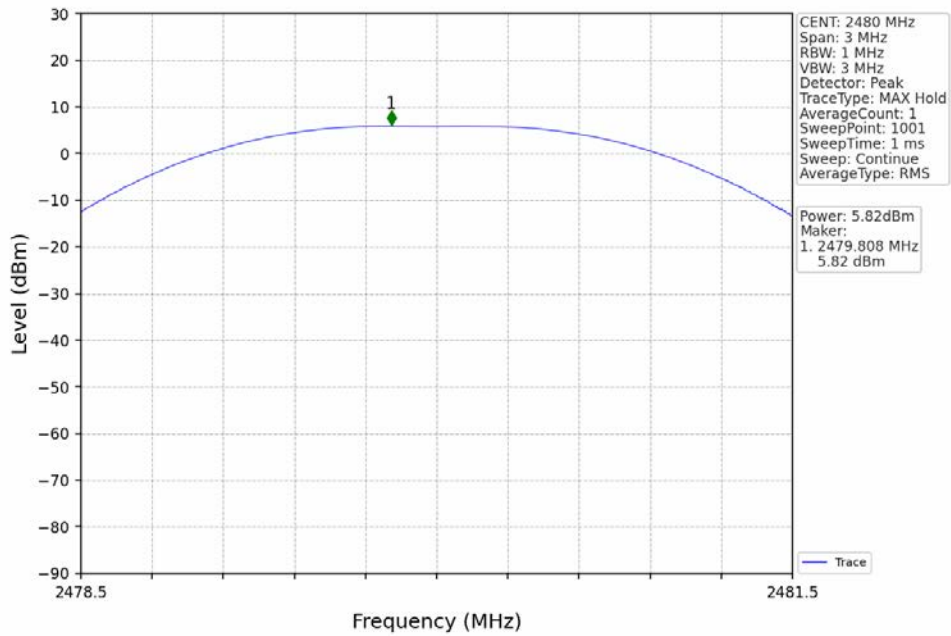
Note1: Antenna Gain: Ant1: 2.15dBi;

### 3.2 Test Graph

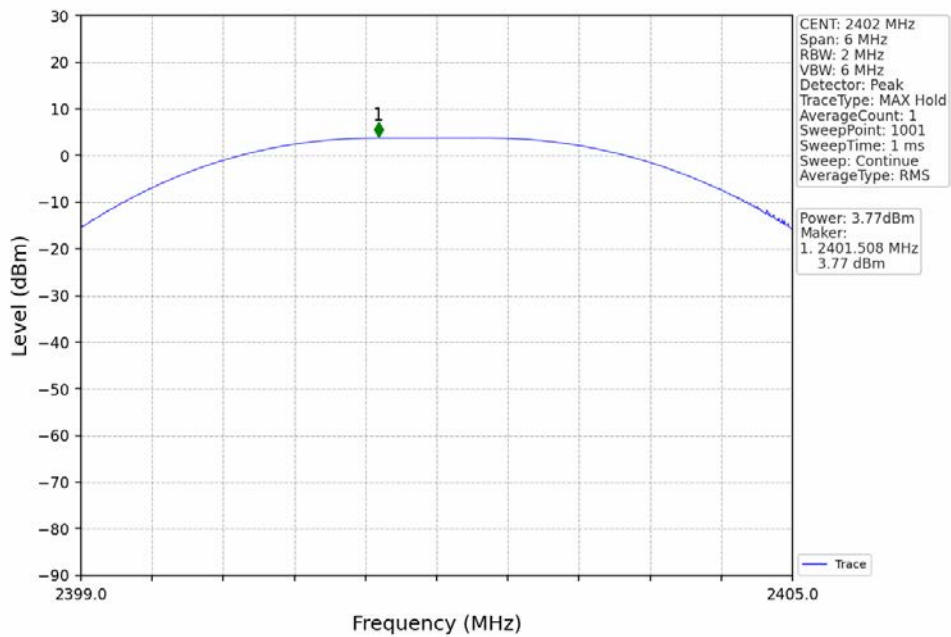
#### 3.2.1 Power



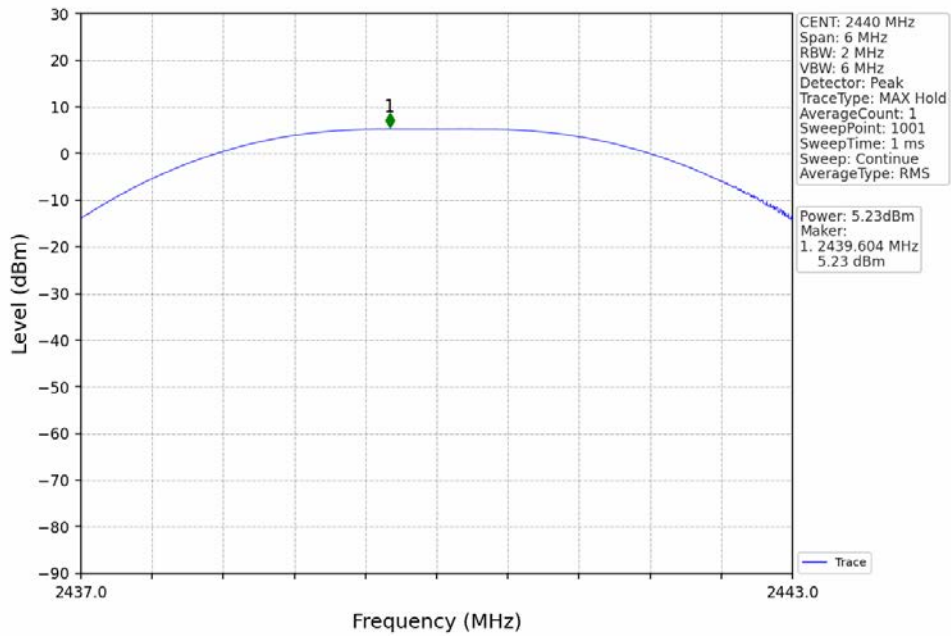
1M\_HCH\_2480MHz\_Ant1\_NTNV



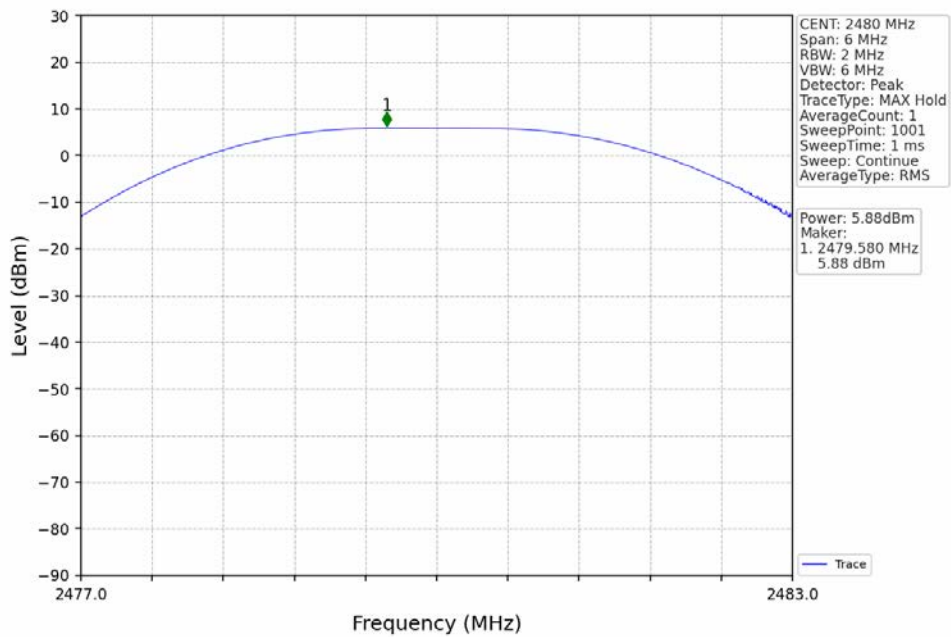
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

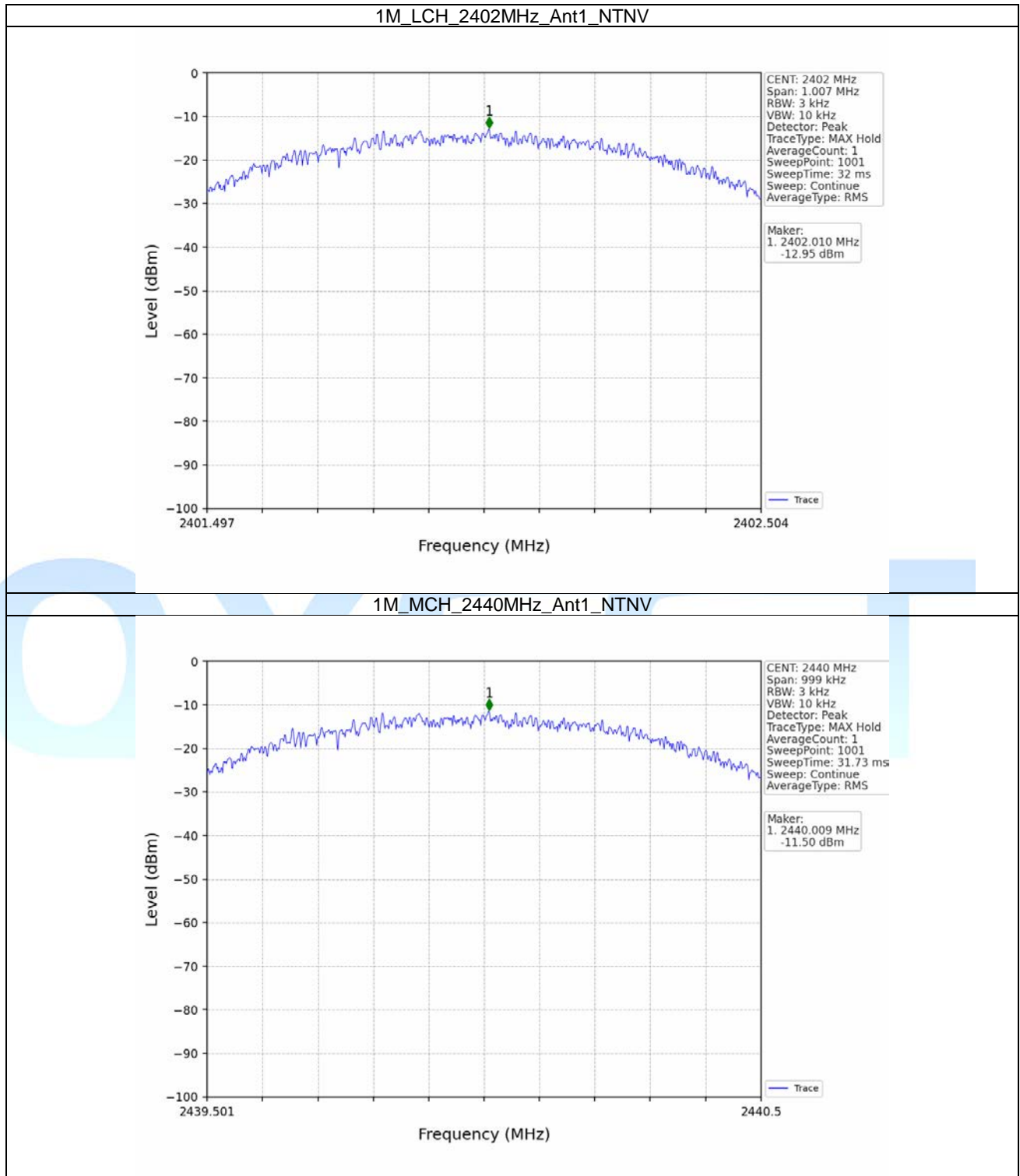
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-12.95	<=8	Pass
		2440	-11.50	<=8	Pass
		2480	-10.88	<=8	Pass
2M	SISO	2402	-15.73	<=8	Pass
		2440	-14.23	<=8	Pass
		2480	-13.88	<=8	Pass

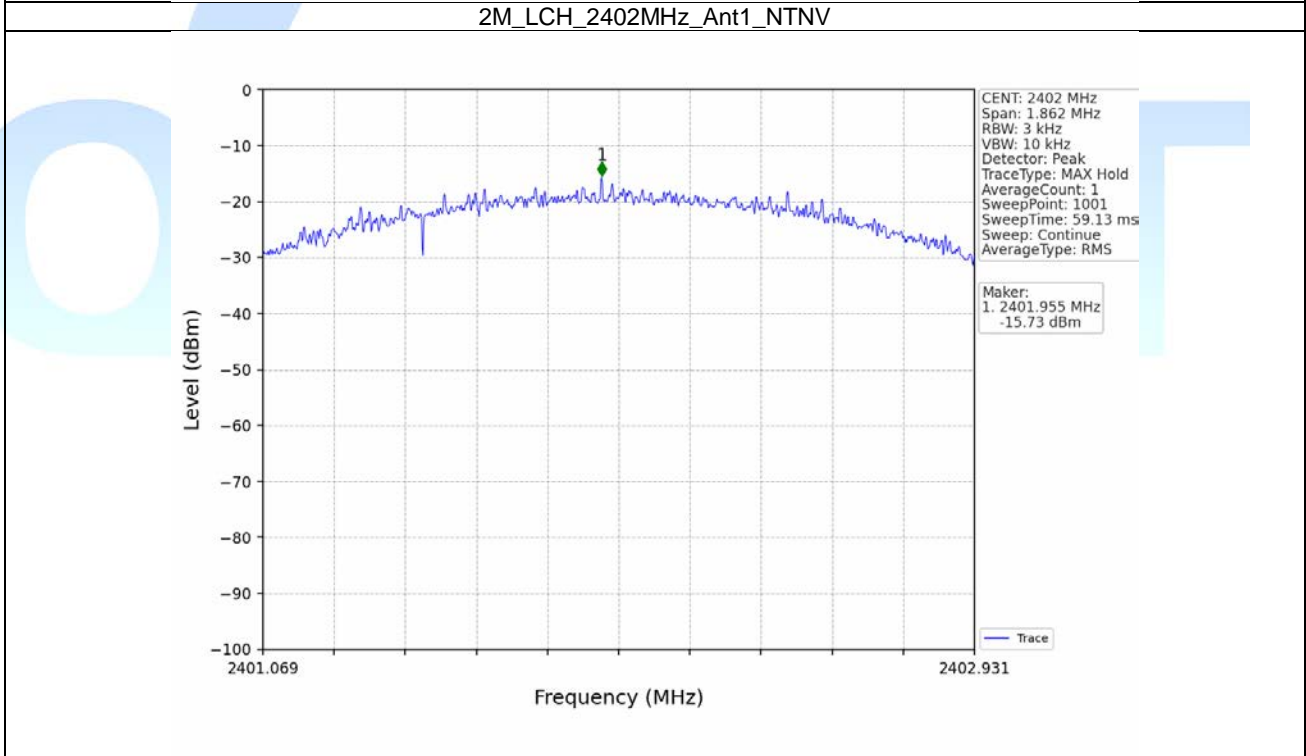
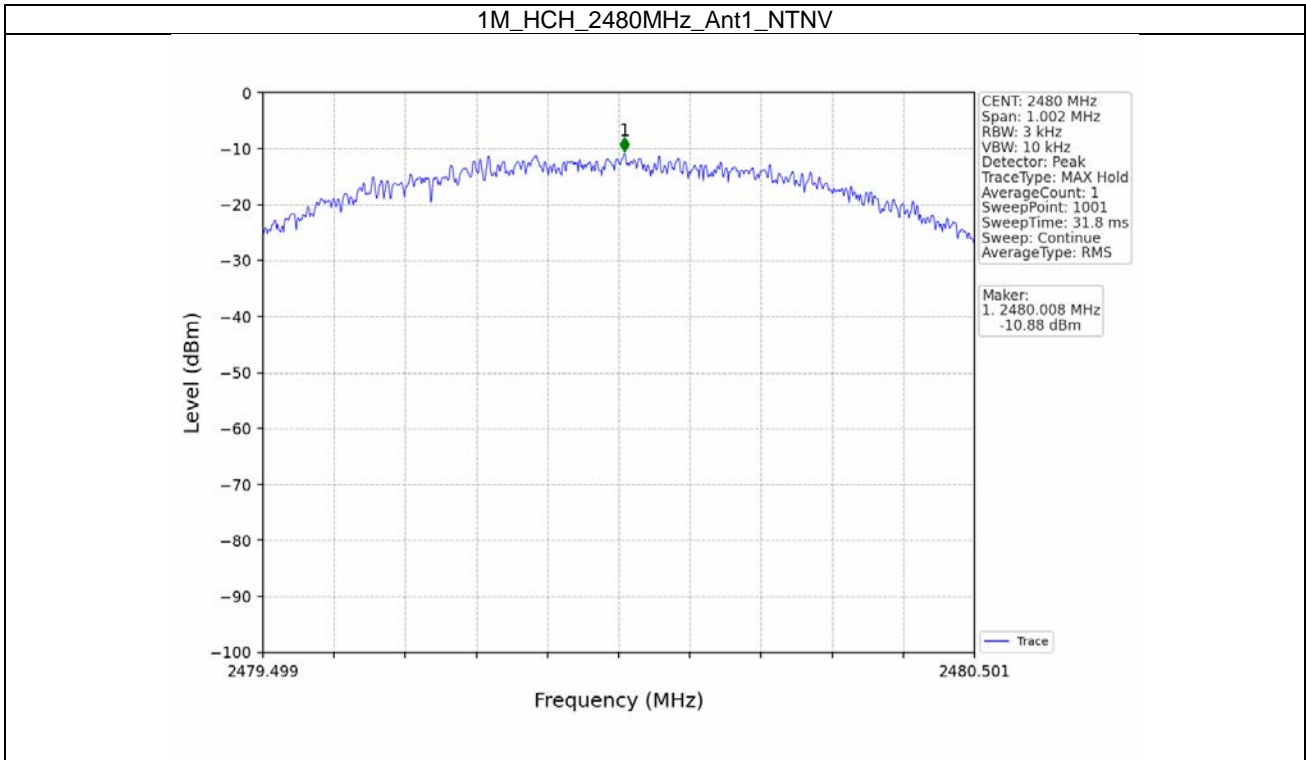
Note1: Antenna Gain: Ant1: 2.15dBi;

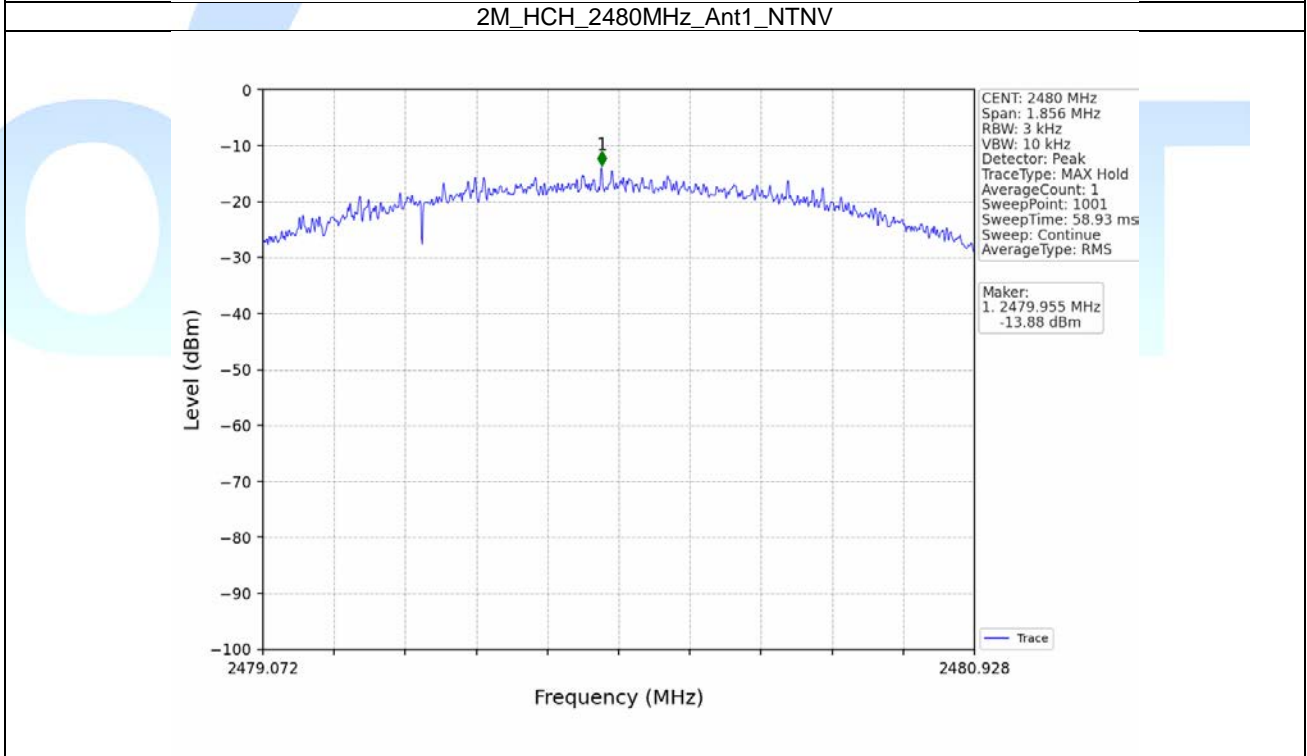
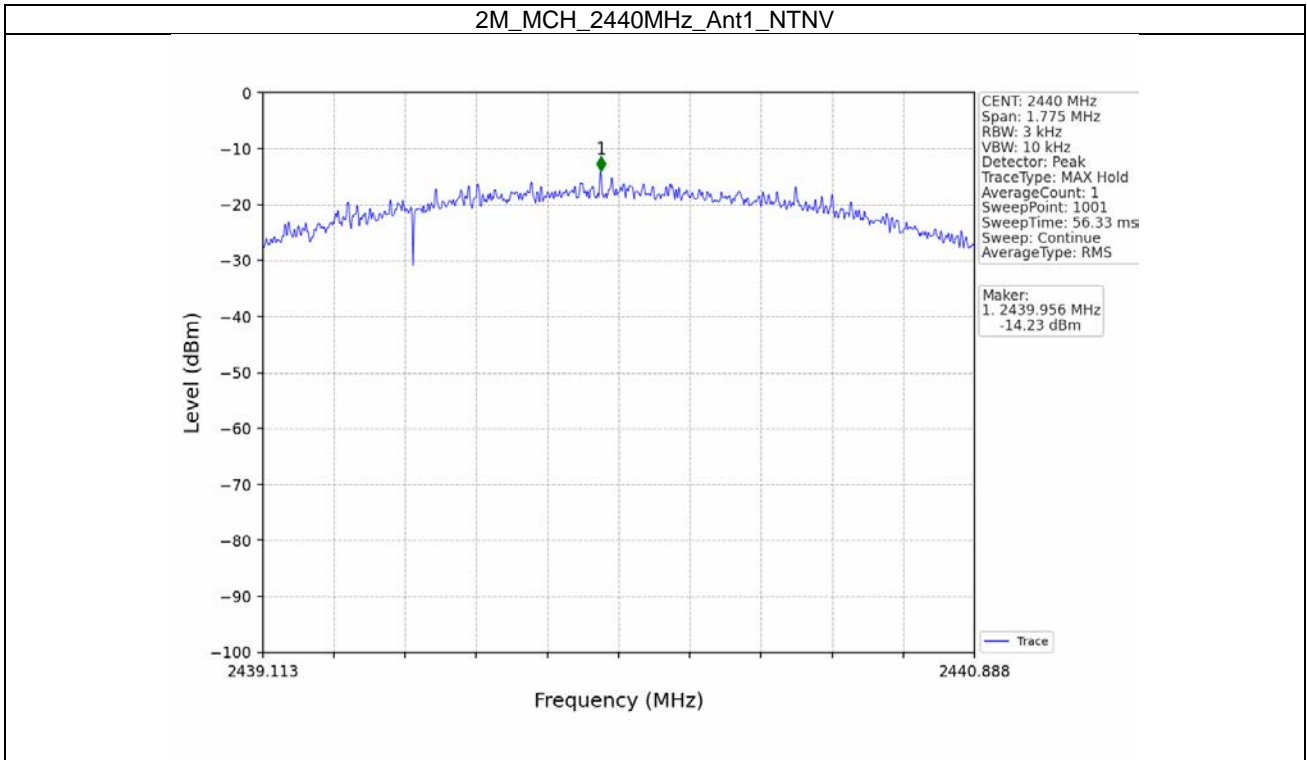


## 4.2 Test Graph

### 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	3.54
		2440	1	4.98
		2480	1	5.60
2M	SISO	2402	1	2.45
		2440	1	3.93
		2480	1	4.55

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.

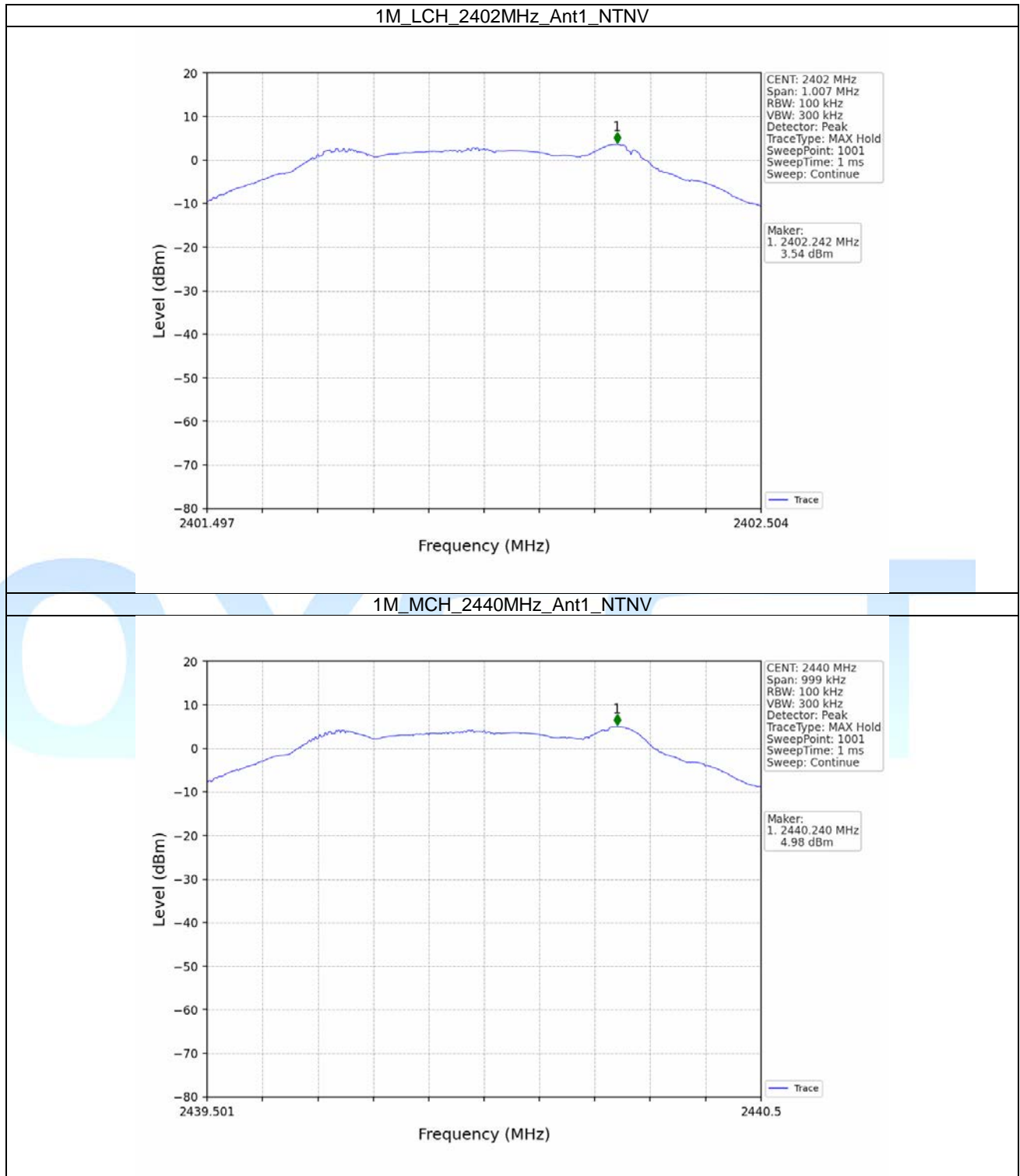
#### 5.1.2 CSE

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	4.55	-15.45	Pass
		2440	1	4.55	-15.45	Pass
		2480	1	4.55	-15.45	Pass

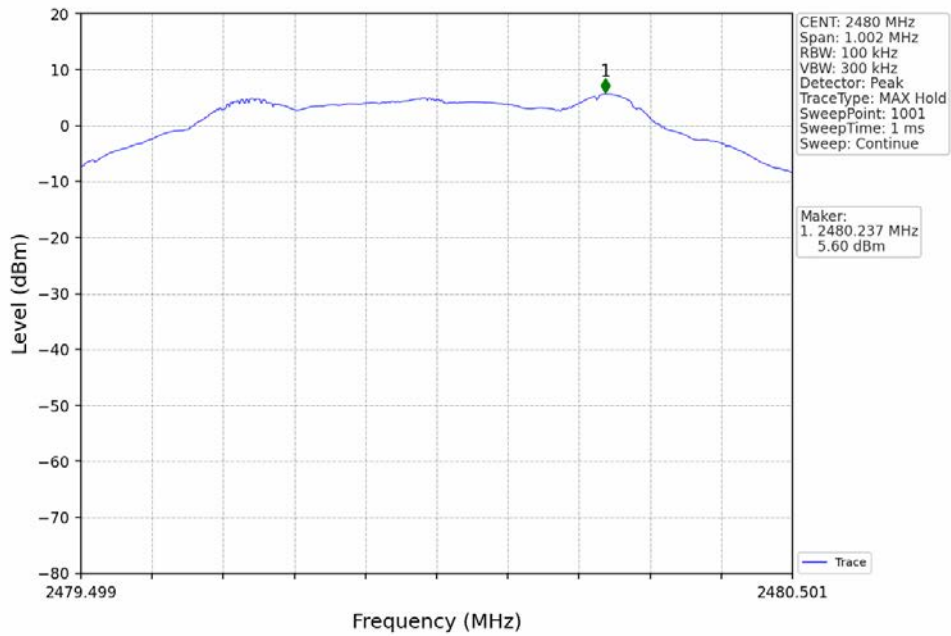
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

## 5.2 Test Graph

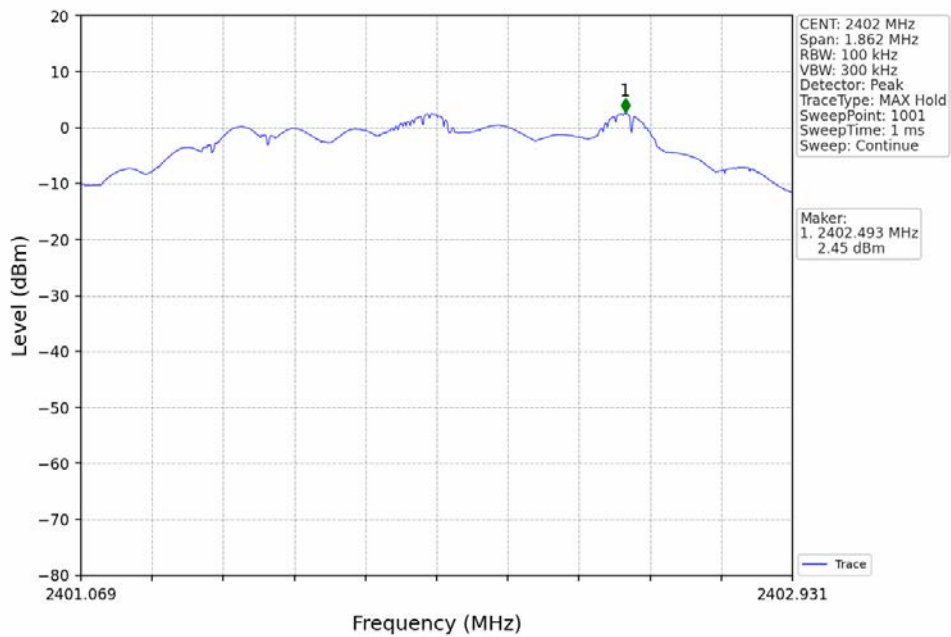
### 5.2.1 Ref



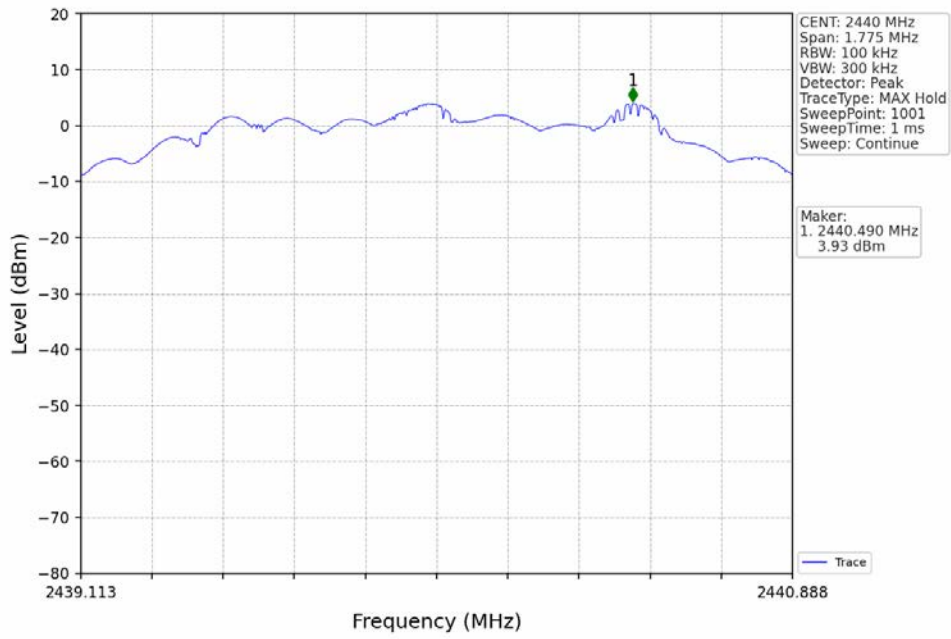
1M\_HCH\_2480MHz\_Ant1\_NTNV



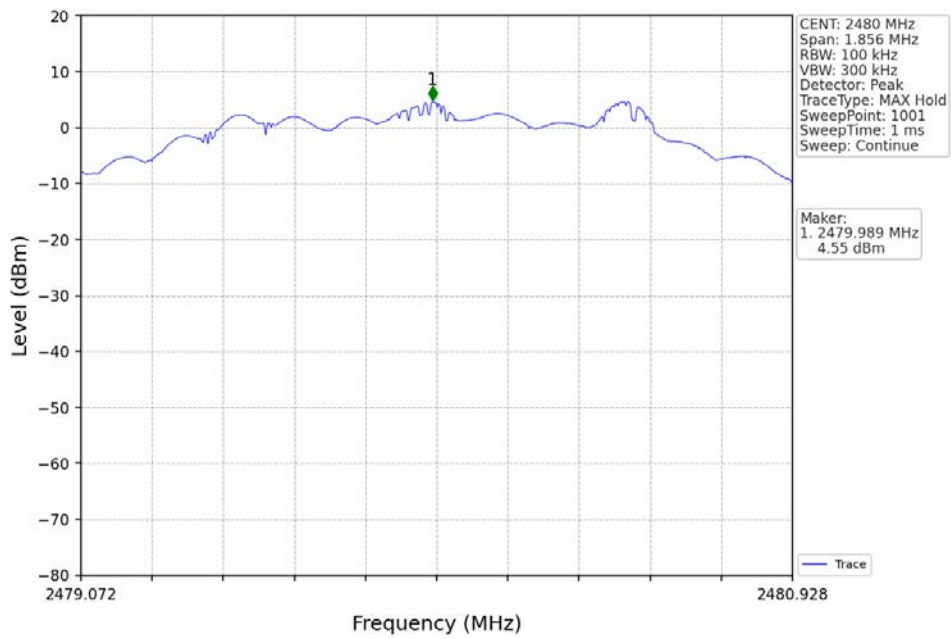
2M\_LCH\_2402MHz\_Ant1\_NTNV



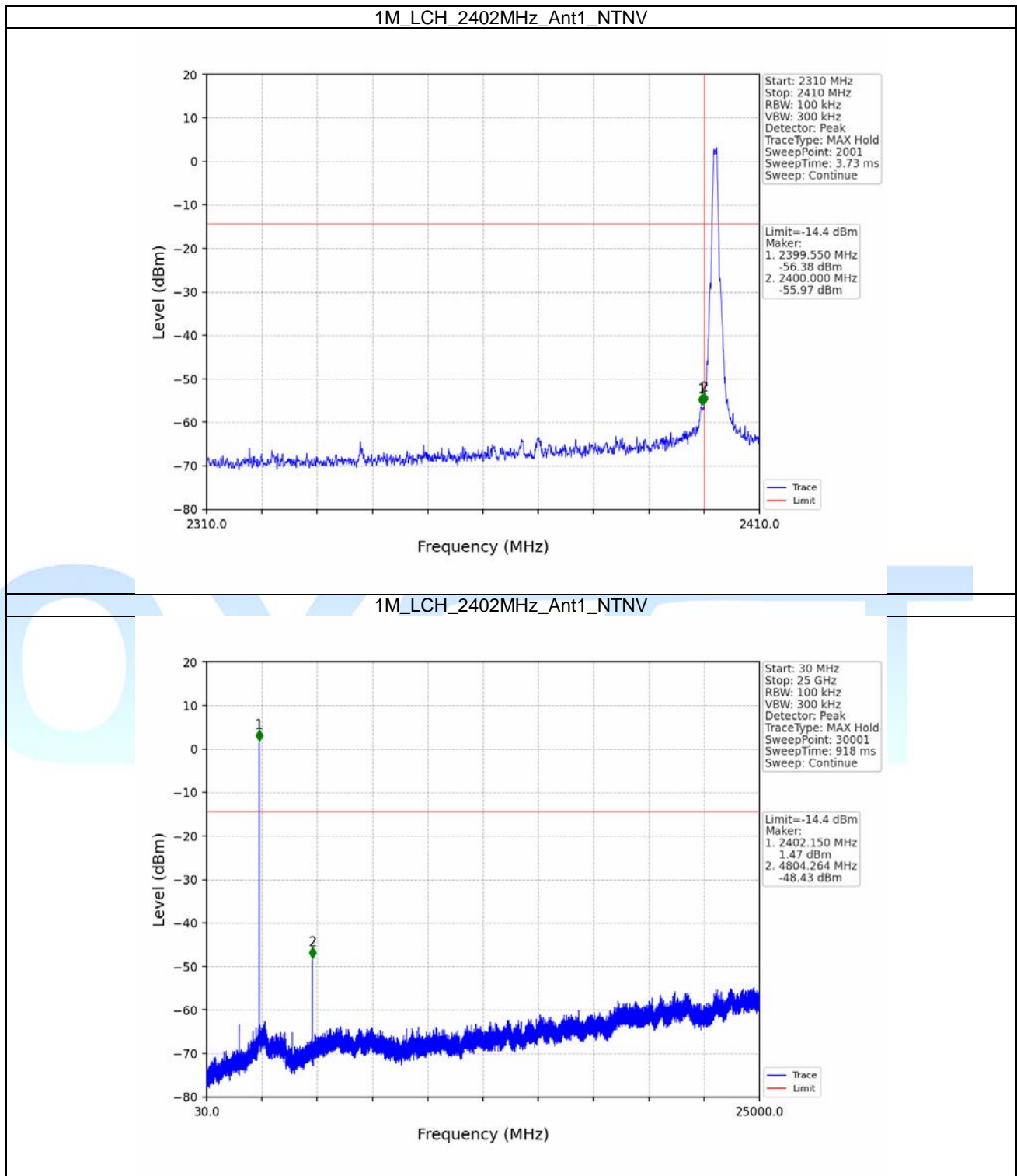
2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV

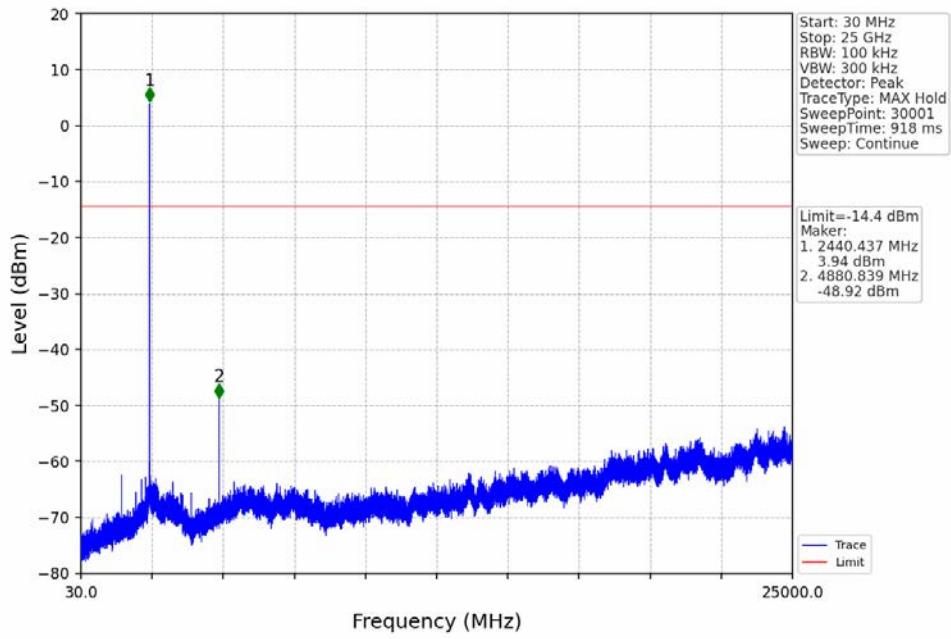


### 5.2.2 CSE

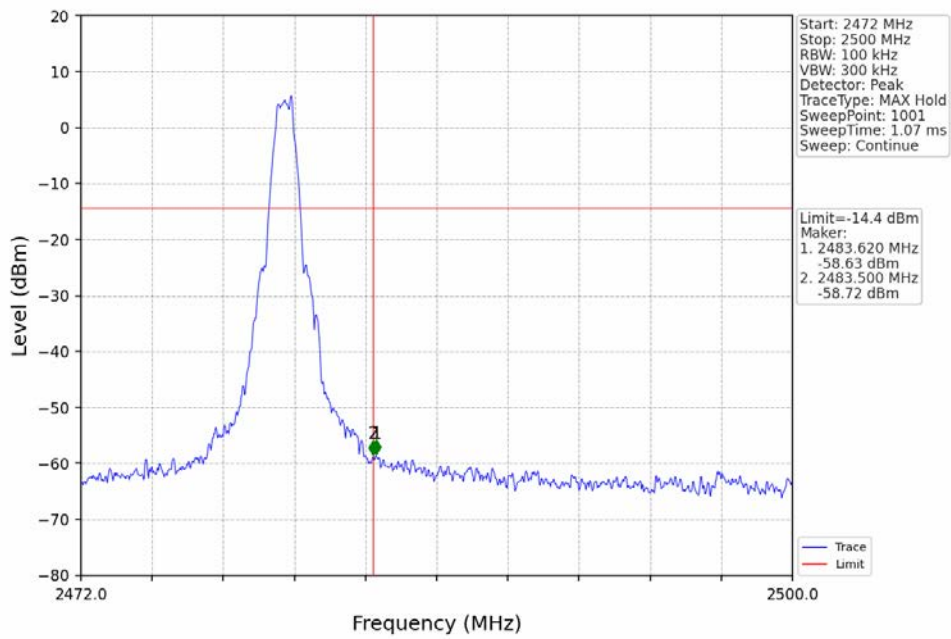




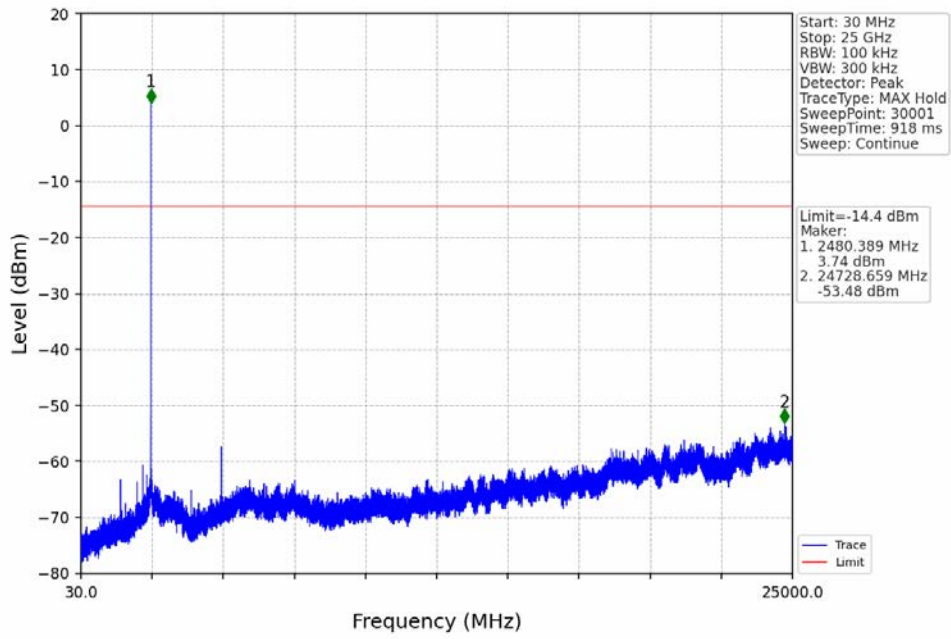
1M\_MCH\_2440MHz\_Ant1\_NTNV



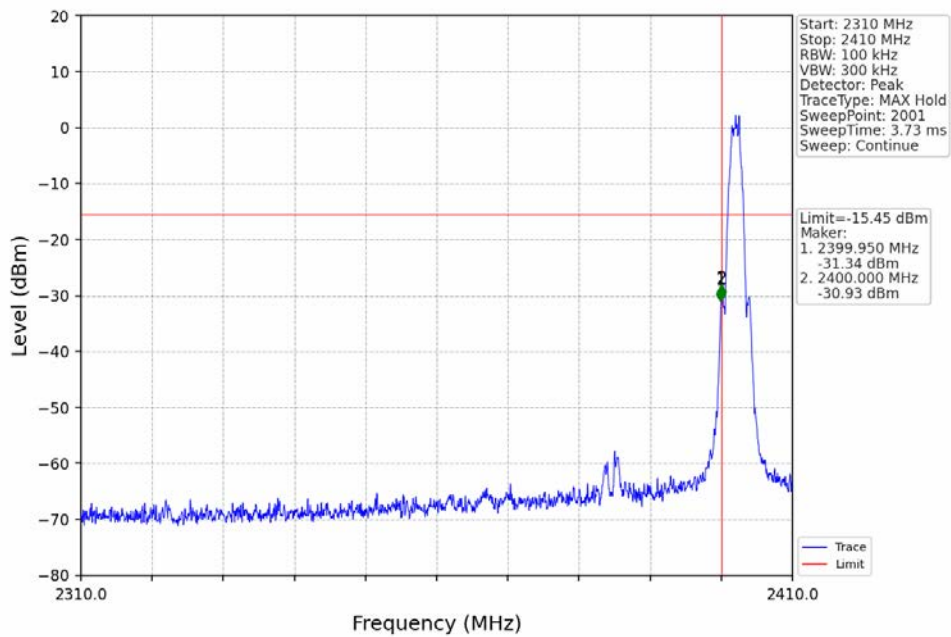
1M\_HCH\_2480MHz\_Ant1\_NTNV



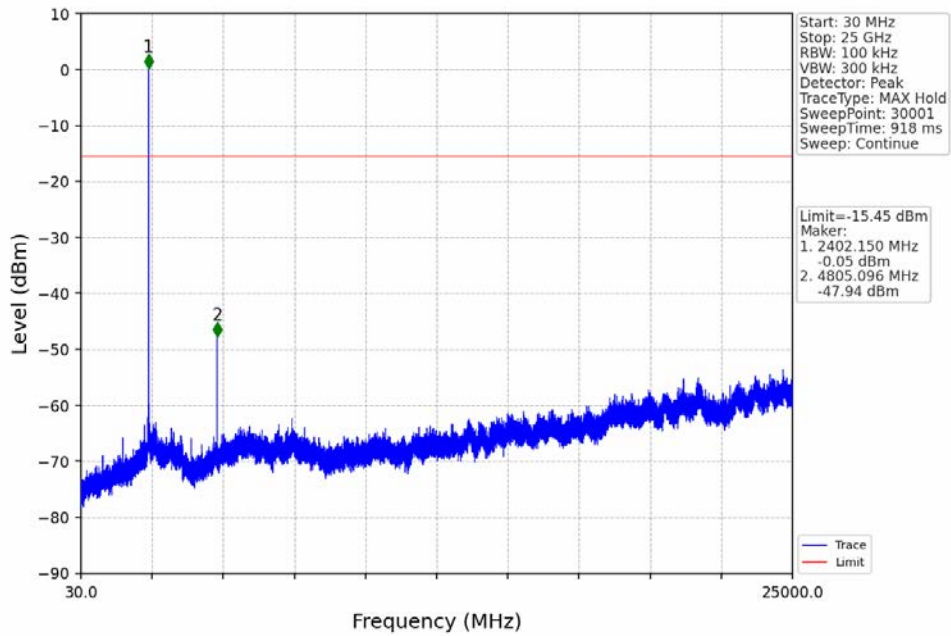
1M\_HCH\_2480MHz\_Ant1\_NTNV



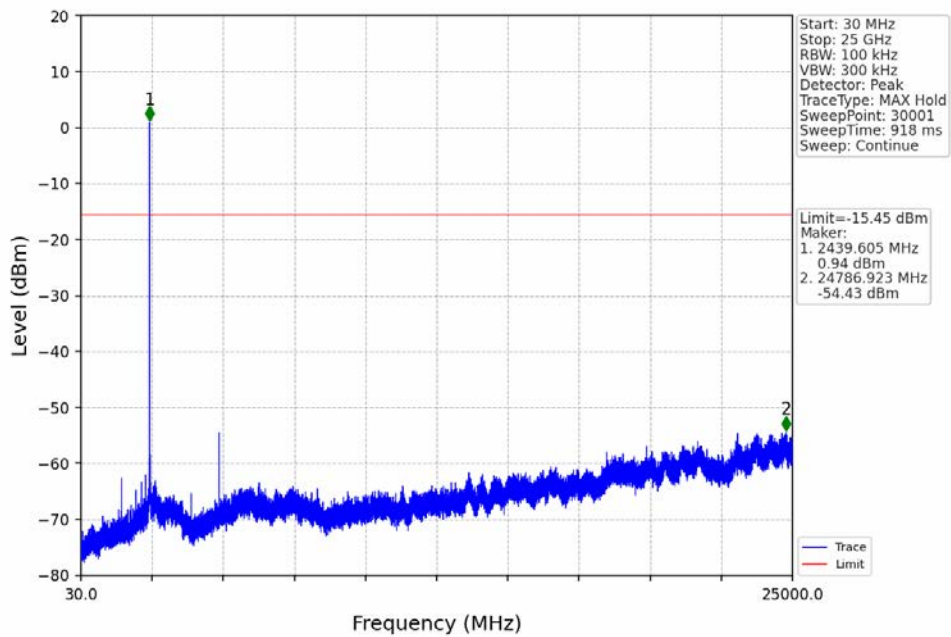
2M\_LCH\_2402MHz\_Ant1\_NTNV



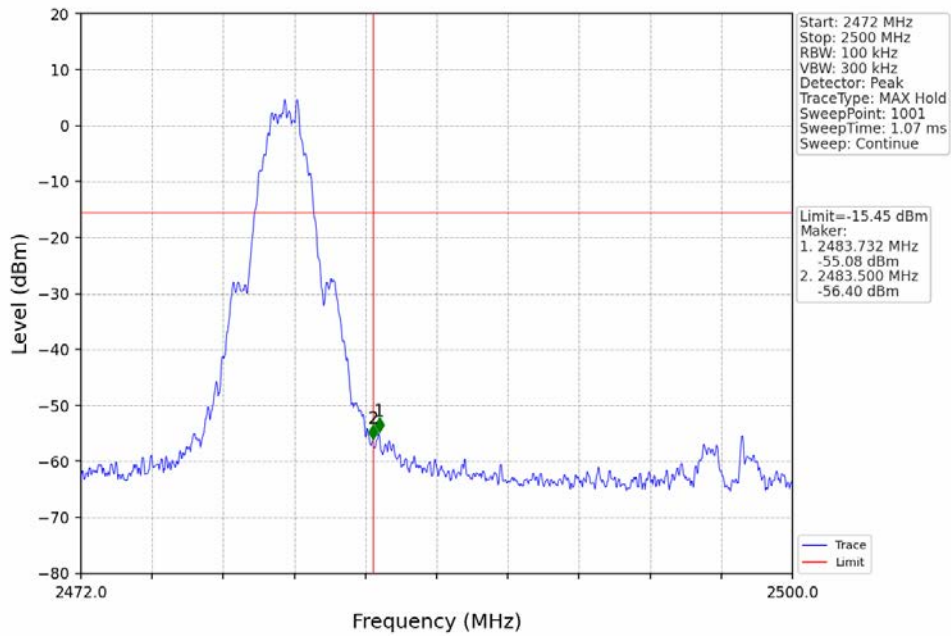
2M\_LCH\_2402MHz\_Ant1\_NTNV



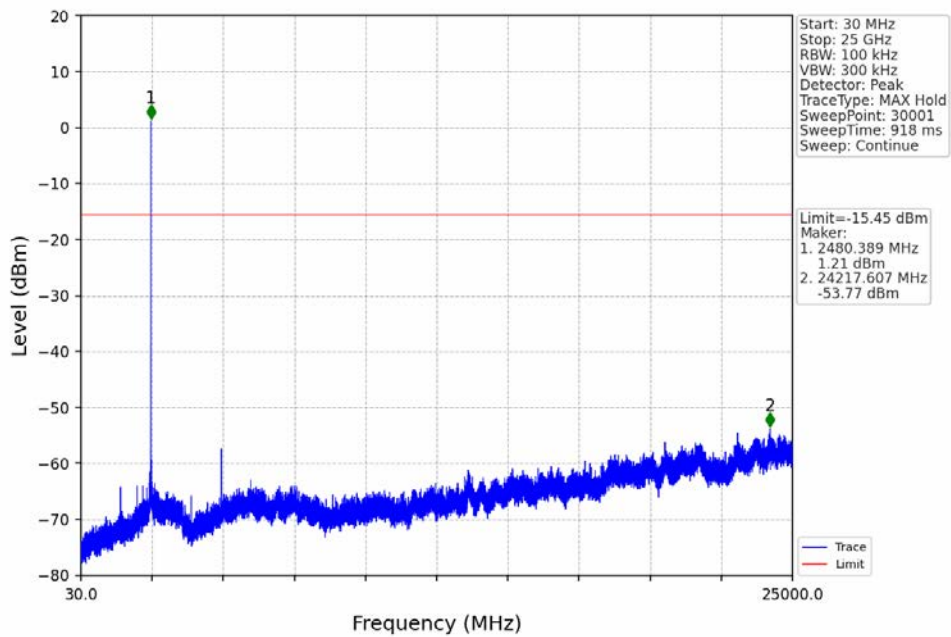
2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



## 6. Unwanted Emissions In Restricted Frequency Bands

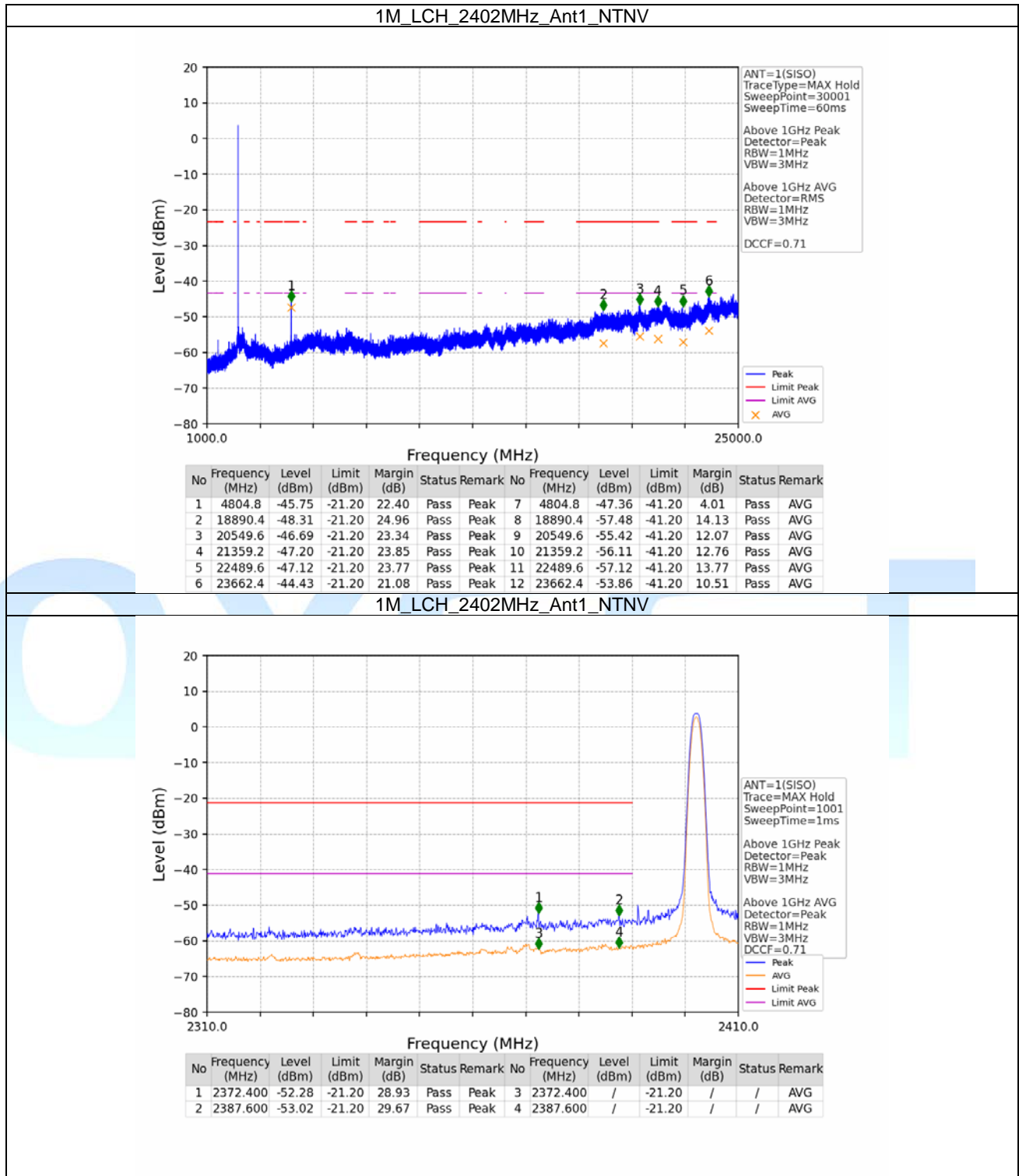
### 6.1 Test Result

#### 6.1.1 RSE

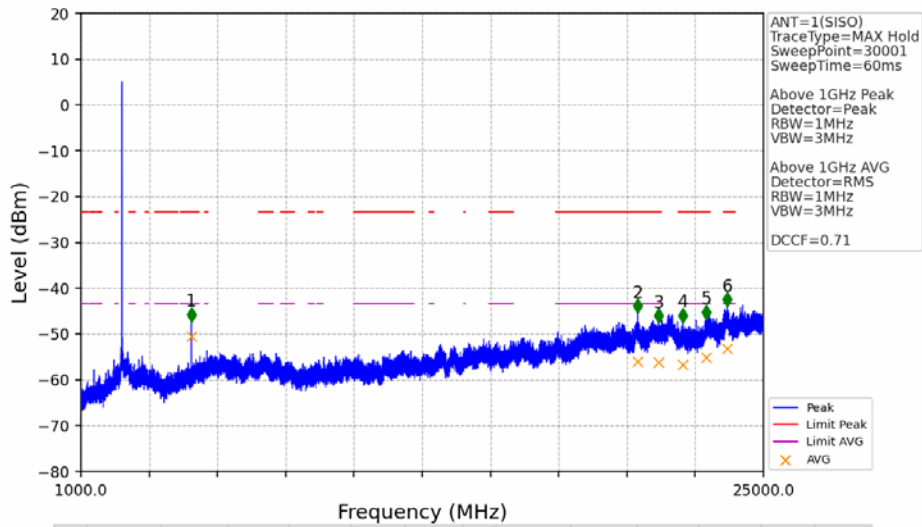
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
1M	SISO	2402	1	Refer To Test Graph		Pass
		2440	1	Refer To Test Graph		Pass
		2480	1	Refer To Test Graph		Pass
2M	SISO	2402	1	Refer To Test Graph		Pass
		2440	1	Refer To Test Graph		Pass
		2480	1	Refer To Test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

## 6.2 Test Graph

### 6.2.1 RSE

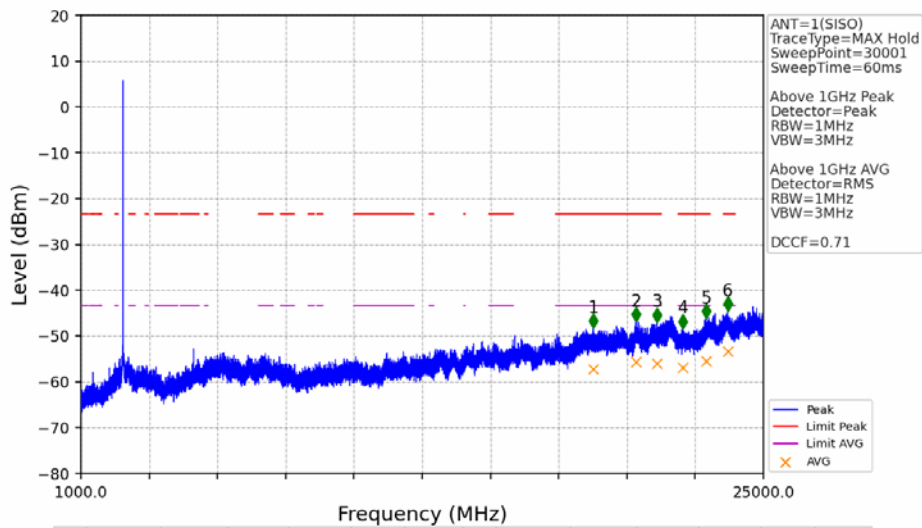


1M\_MCH\_2440MHz\_Ant1\_NTNV



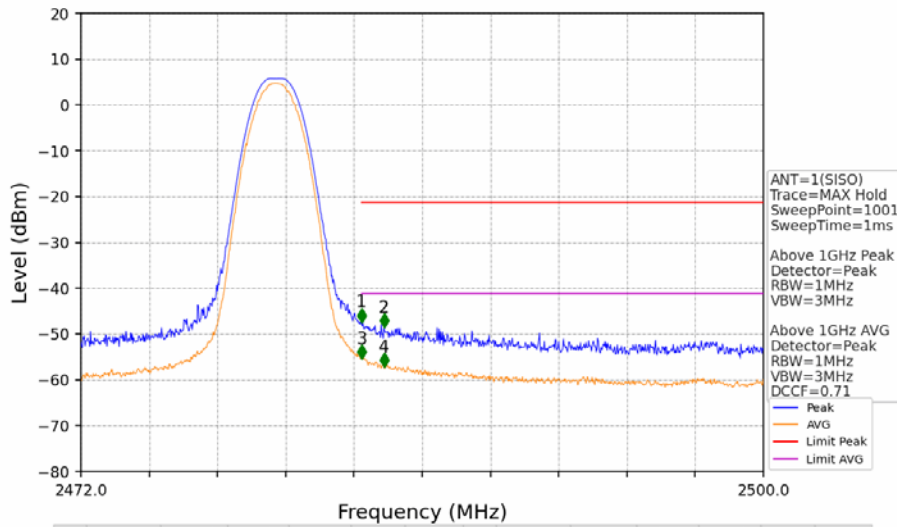
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4880	-47.30	-21.20	23.95	Pass	Peak	7	4880	-50.47	-41.20	7.12	Pass	AVG
2	20583.2	-45.42	-21.20	22.07	Pass	Peak	8	20583.2	-56.05	-41.20	12.70	Pass	AVG
3	21311.2	-47.55	-21.20	24.20	Pass	Peak	9	21311.2	-56.28	-41.20	12.93	Pass	AVG
4	22170.4	-47.49	-21.20	24.14	Pass	Peak	10	22170.4	-56.74	-41.20	13.39	Pass	AVG
5	22995.2	-46.76	-21.20	23.41	Pass	Peak	11	22995.2	-55.13	-41.20	11.78	Pass	AVG
6	23728.8	-44.02	-21.20	20.67	Pass	Peak	12	23728.8	-53.15	-41.20	9.80	Pass	AVG

1M\_HCH\_2480MHz\_Ant1\_NTNV



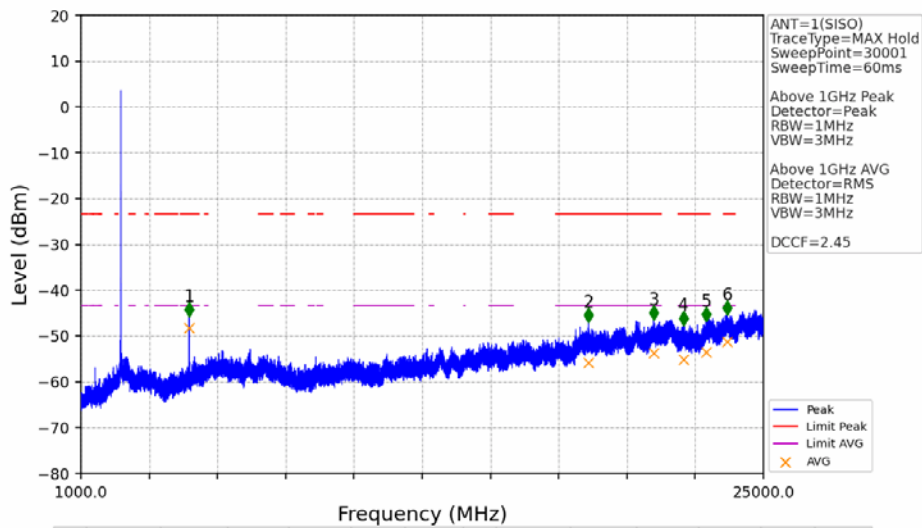
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19017.6	-48.25	-21.20	24.90	Pass	Peak	7	19017.6	-57.28	-41.20	13.93	Pass	AVG
2	20516	-46.84	-21.20	23.49	Pass	Peak	8	20516	-55.69	-41.20	12.34	Pass	AVG
3	21258.4	-46.95	-21.20	23.60	Pass	Peak	9	21258.4	-56.07	-41.20	12.72	Pass	AVG
4	22171.2	-48.36	-21.20	25.01	Pass	Peak	10	22171.2	-56.91	-41.20	13.56	Pass	AVG
5	22972.8	-46.13	-21.20	22.78	Pass	Peak	11	22972.8	-55.45	-41.20	12.10	Pass	AVG
6	23741.6	-44.61	-21.20	21.26	Pass	Peak	12	23741.6	-53.33	-41.20	9.98	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	2483.508	-47.46	-21.20	24.11	Pass	Peak	3	2483.508	/	-21.20	/	/	AVG
2	2484.432	-48.58	-21.20	25.23	Pass	Peak	4	2484.432	/	-21.20	/	/	AVG

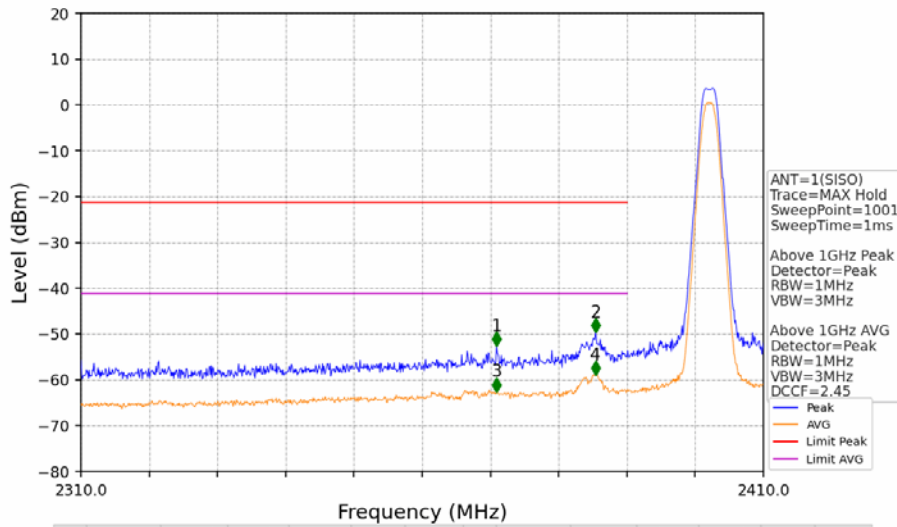
2M\_LCH\_2402MHz\_Ant1\_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4805.6	-45.77	-21.20	22.42	Pass	Peak	7	4805.6	-48.24	-41.20	4.89	Pass	AVG
2	18853.6	-46.99	-21.20	23.64	Pass	Peak	8	18853.6	-55.88	-41.20	12.53	Pass	AVG
3	21134.4	-46.47	-21.20	23.12	Pass	Peak	9	21134.4	-53.76	-41.20	10.41	Pass	AVG
4	22186.4	-47.73	-21.20	24.38	Pass	Peak	10	22186.4	-55.12	-41.20	11.77	Pass	AVG
5	22983.2	-46.87	-21.20	23.52	Pass	Peak	11	22983.2	-53.47	-41.20	10.12	Pass	AVG
6	23718.4	-45.45	-21.20	22.11	Pass	Peak	12	23718.4	-51.26	-41.20	7.91	Pass	AVG

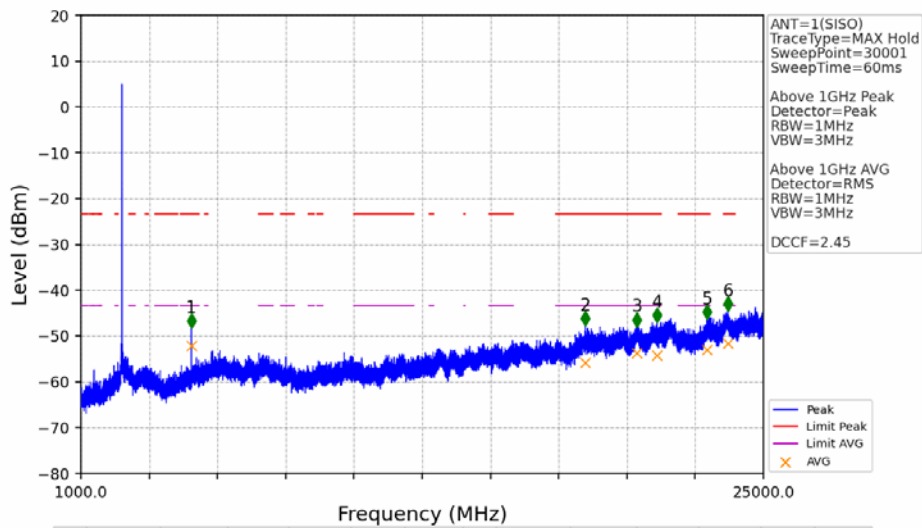


2M\_LCH\_2402MHz\_Ant1\_NTNV



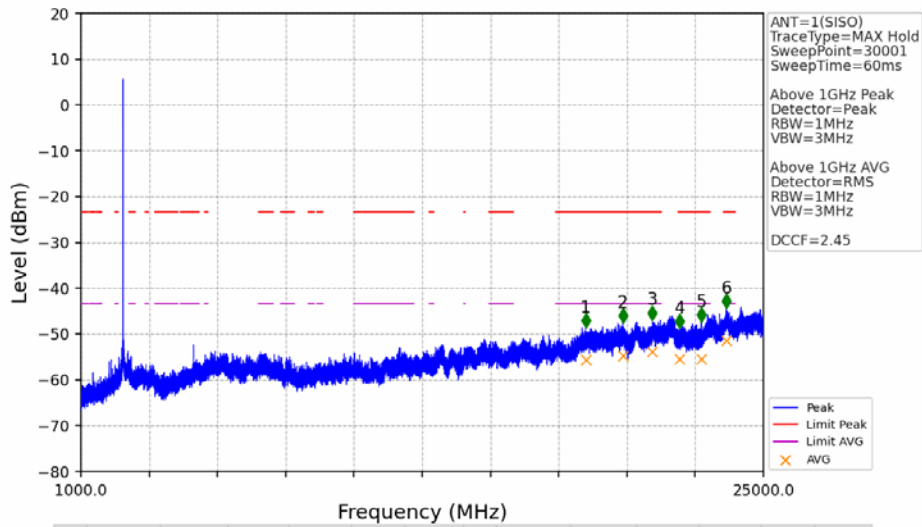
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2370.900	-52.63	-21.20	29.28	Pass	Peak	3	2370.900	/	-21.20	/	/	AVG
2	2385.400	-49.63	-21.20	26.28	Pass	Peak	4	2385.400	/	-21.20	/	/	AVG

2M\_MCH\_2440MHz\_Ant1\_NTNV



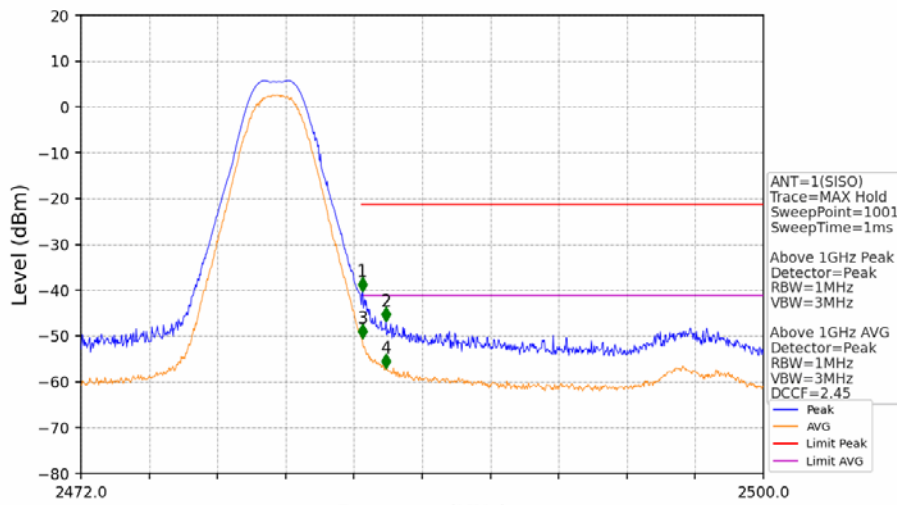
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4880	-48.26	-21.20	24.91	Pass	Peak	7	4880	-52.13	-41.20	8.79	Pass	AVG
2	18738.4	-47.74	-21.20	24.39	Pass	Peak	8	18738.4	-55.75	-41.20	12.40	Pass	AVG
3	20540.8	-48.01	-21.20	24.66	Pass	Peak	9	20540.8	-53.68	-41.20	10.33	Pass	AVG
4	21261.6	-47.06	-21.20	23.71	Pass	Peak	10	21261.6	-54.27	-41.20	10.92	Pass	AVG
5	23003.2	-46.34	-21.20	23.00	Pass	Peak	11	23003.2	-53.06	-41.20	9.71	Pass	AVG
6	23744	-44.62	-21.20	21.27	Pass	Peak	12	23744	-51.54	-41.20	8.19	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	18744.8	-48.63	-21.20	25.28	Pass	Peak	7	18744.8	-55.66	-41.20	12.31	Pass	AVG
2	20051.2	-47.61	-21.20	24.26	Pass	Peak	8	20051.2	-54.86	-41.20	11.51	Pass	AVG
3	21097.6	-46.95	-21.20	23.60	Pass	Peak	9	21097.6	-53.91	-41.20	10.56	Pass	AVG
4	22056.8	-48.84	-21.20	25.49	Pass	Peak	10	22056.8	-55.55	-41.20	12.20	Pass	AVG
5	22818.4	-47.33	-21.20	23.98	Pass	Peak	11	22818.4	-55.55	-41.20	12.20	Pass	AVG
6	23688	-44.45	-21.20	21.09	Pass	Peak	12	23688	-51.41	-41.20	8.06	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	2483.536	-40.40	-21.20	17.05	Pass	Peak	3	2483.536	/	-21.20	/	/	AVG
2	2484.516	-46.80	-21.20	23.45	Pass	Peak	4	2484.516	/	-21.20	/	/	AVG

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