

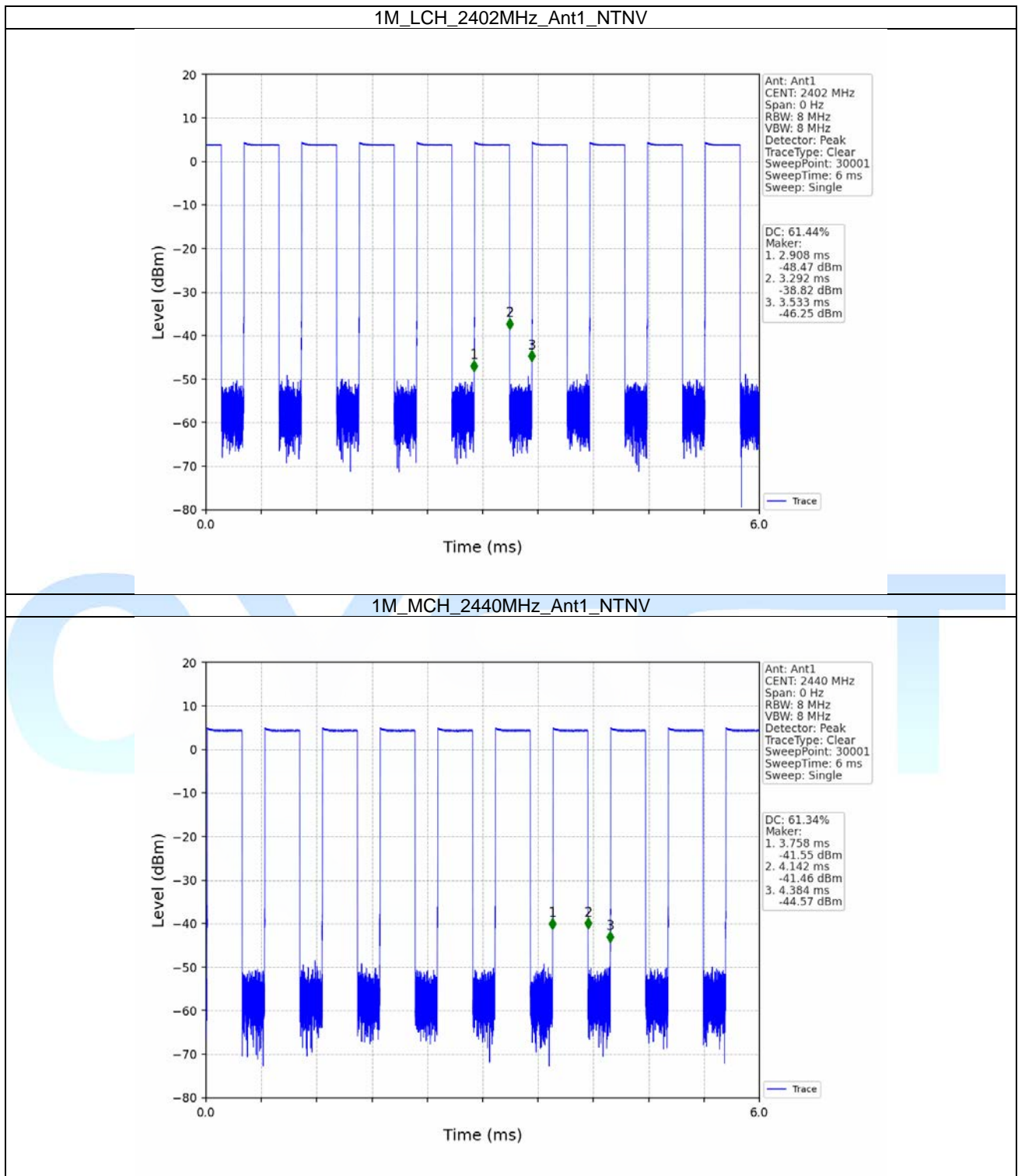
## 1. Duty Cycle

### 1.1 Ant1

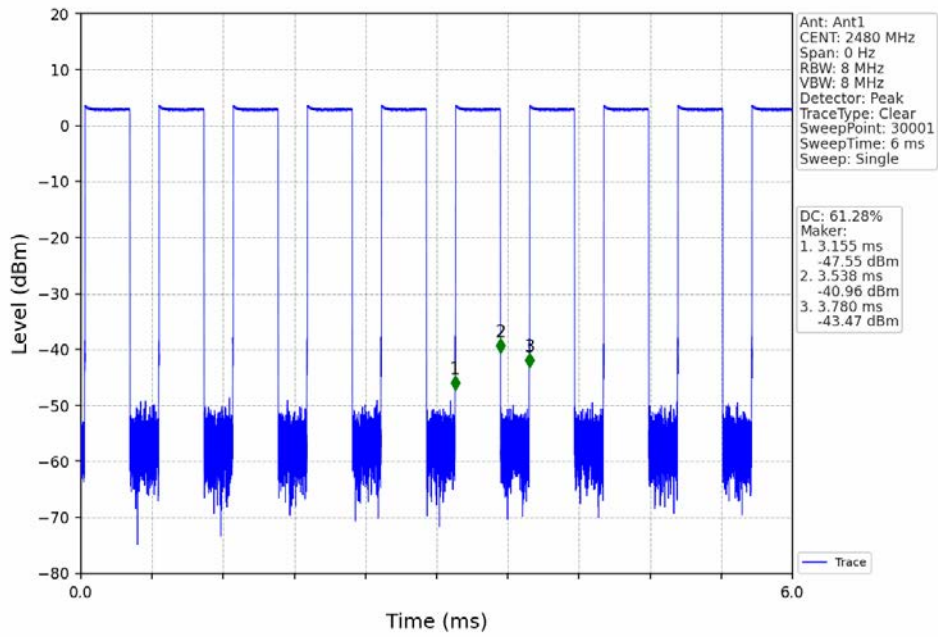
#### 1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.384	0.625	61.44	2.12	0.06
		2440	0.384	0.626	61.34	2.12	0.05
		2480	0.383	0.625	61.28	2.13	0.05
2M	SISO	2402	0.200	0.625	32.00	4.95	0.09
		2440	0.200	0.625	32.00	4.95	0.06
		2480	0.200	0.624	32.05	4.94	0.09

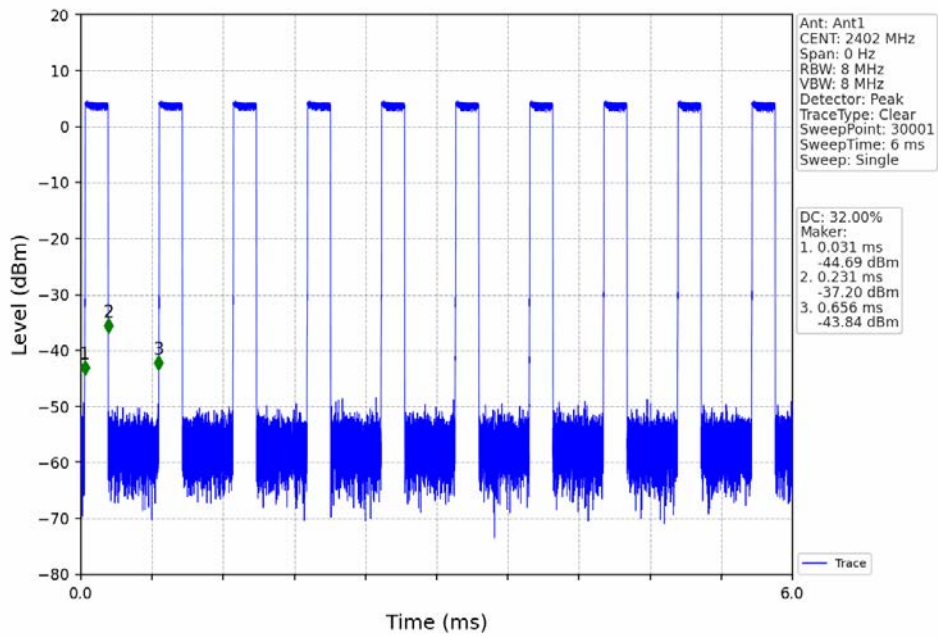
### 1.1.2 Test Graph



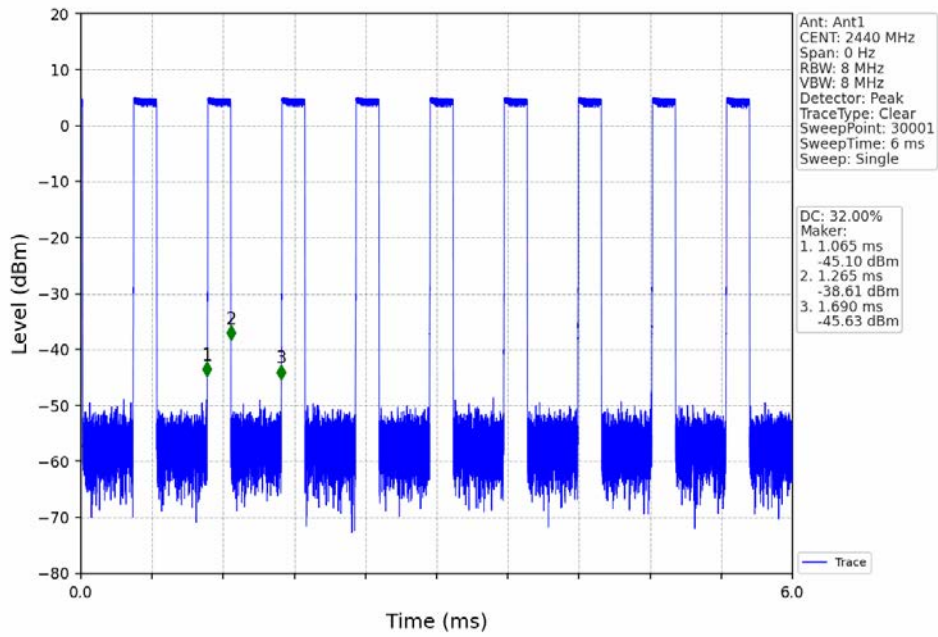
1M\_HCH\_2480MHz\_Ant1\_NTNV



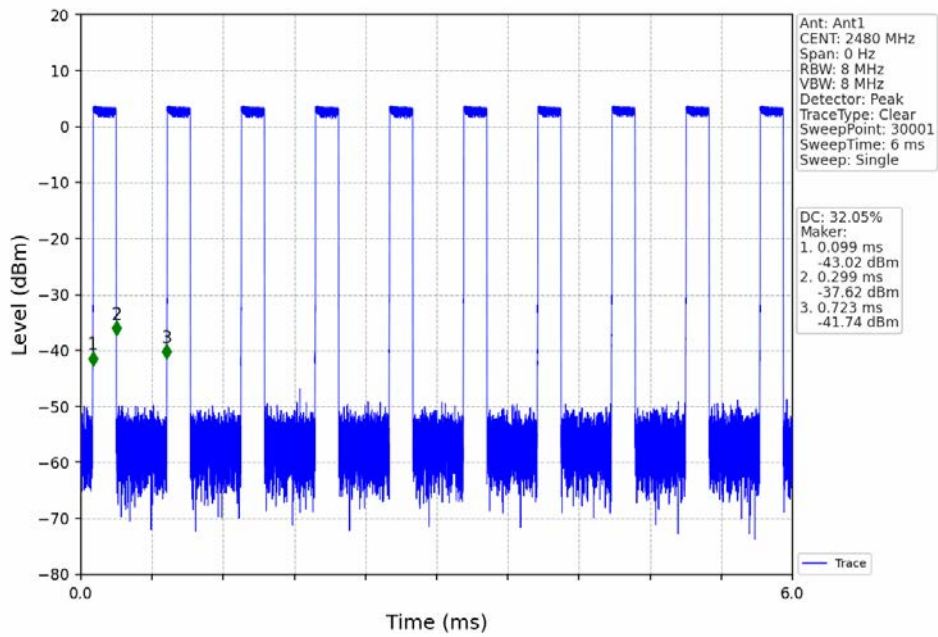
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



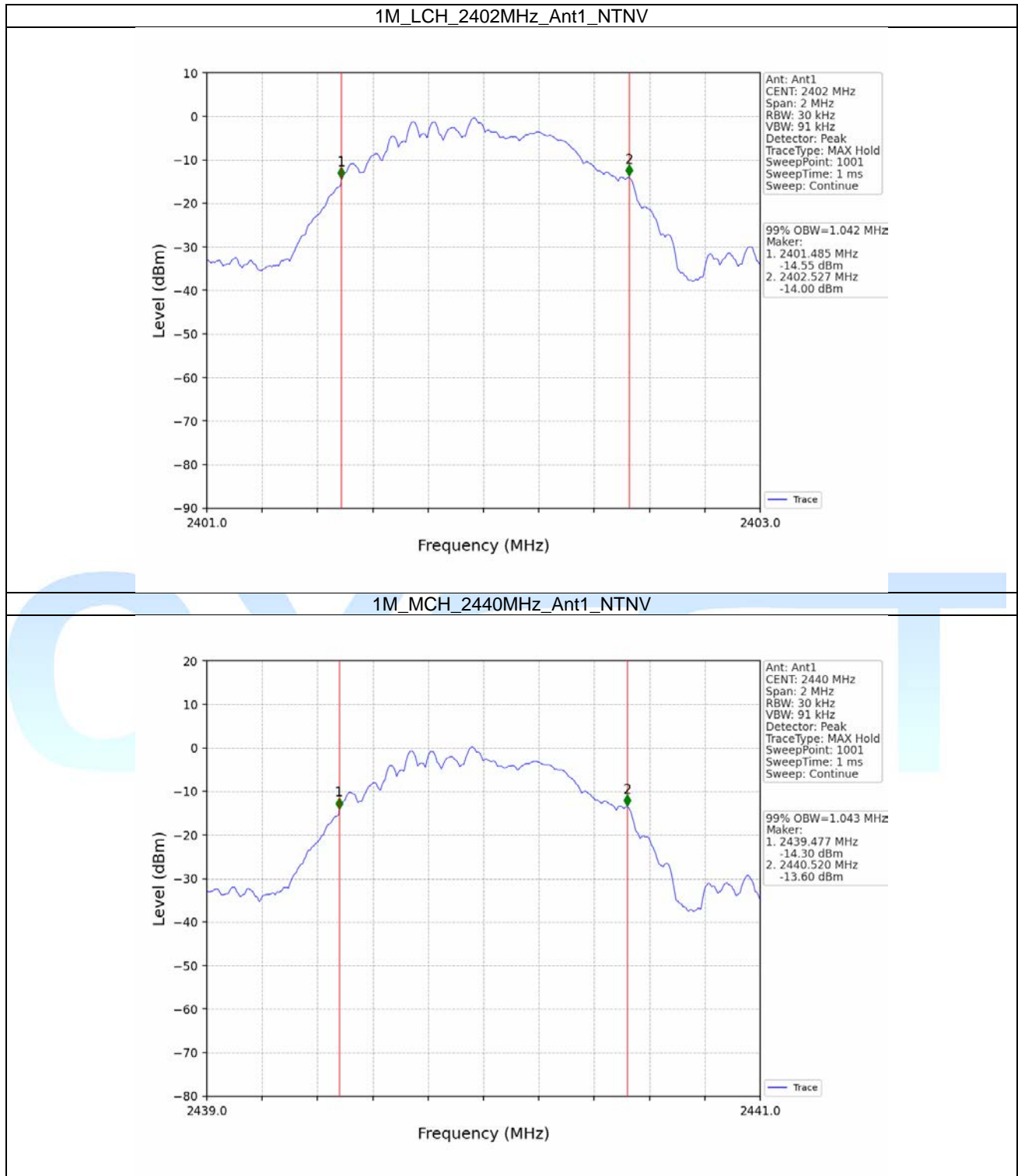
## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

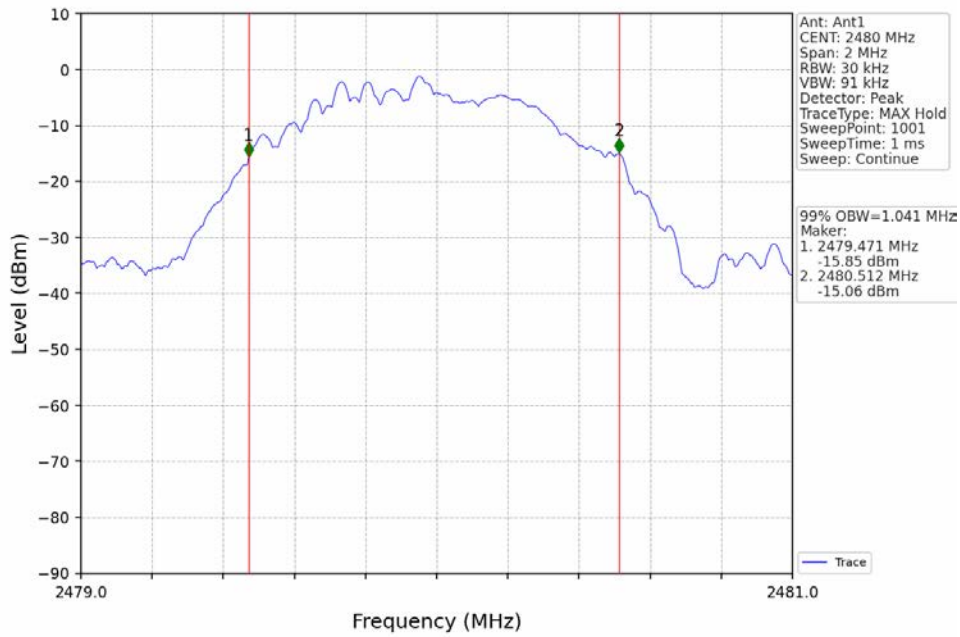
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.042	/	Pass
		2440	1	1.043	/	Pass
		2480	1	1.041	/	Pass
2M	SISO	2402	1	2.096	/	Pass
		2440	1	2.094	/	Pass
		2480	1	2.093	/	Pass

### 2.1.2 Test Graph

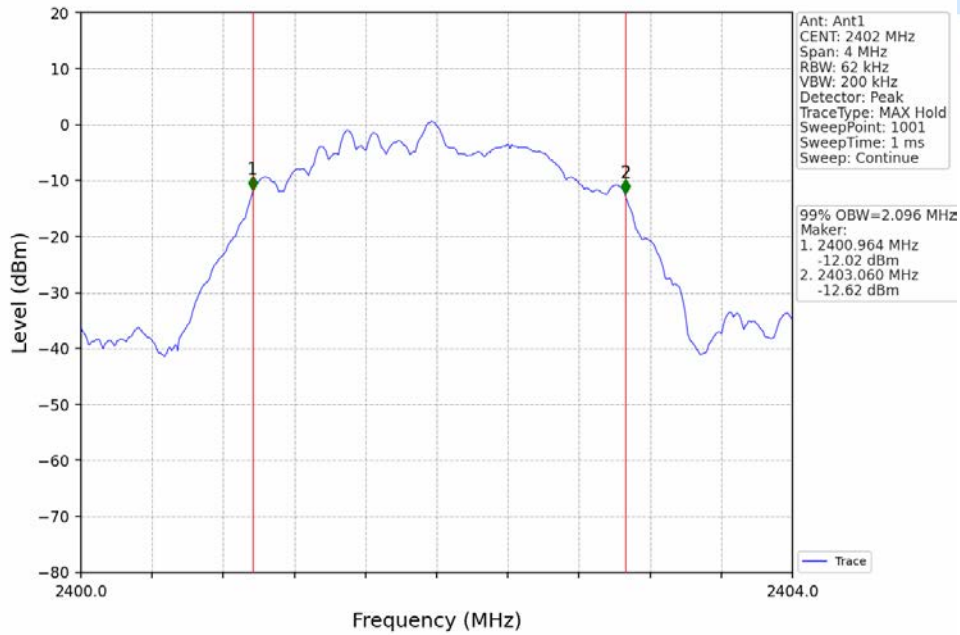




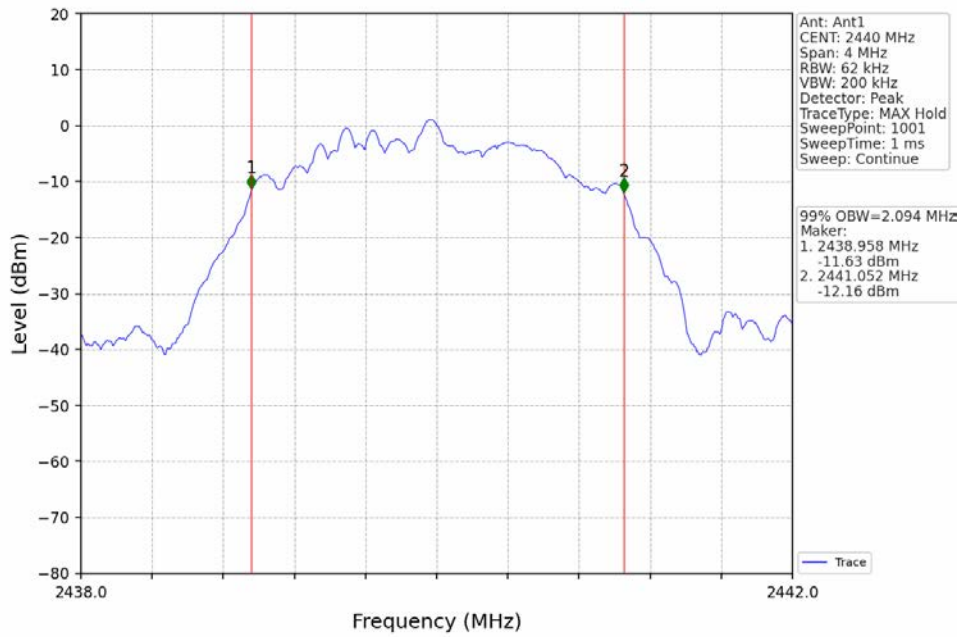
1M\_HCH\_2480MHz\_Ant1\_NTNV



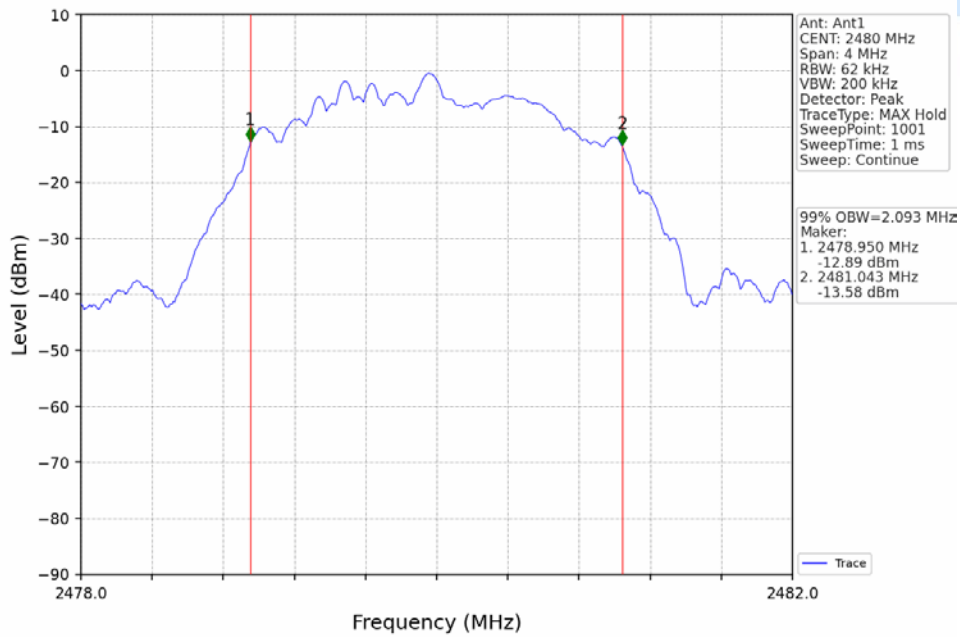
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





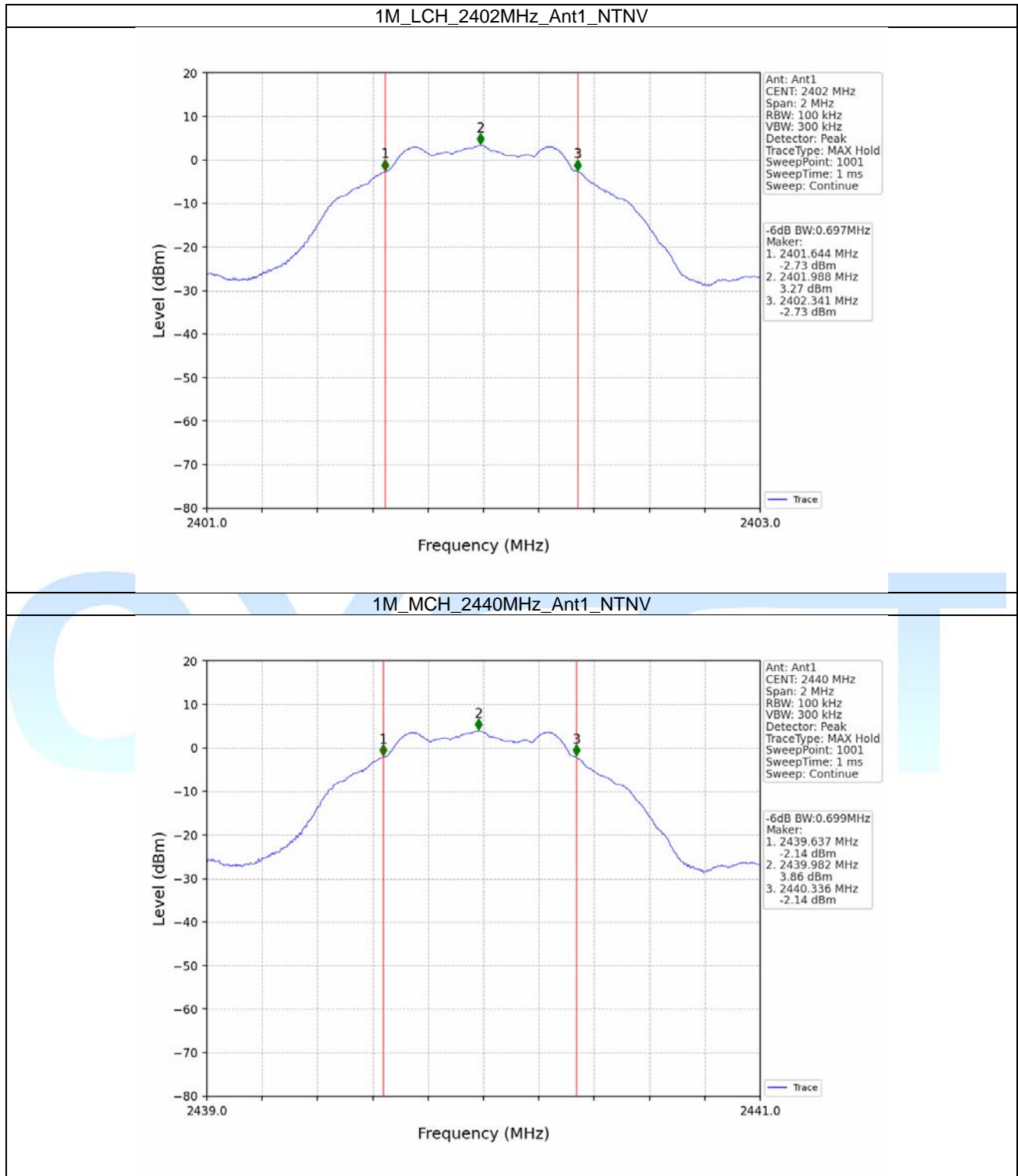
## 2.2 6dB BW

### 2.2.1 Test Result

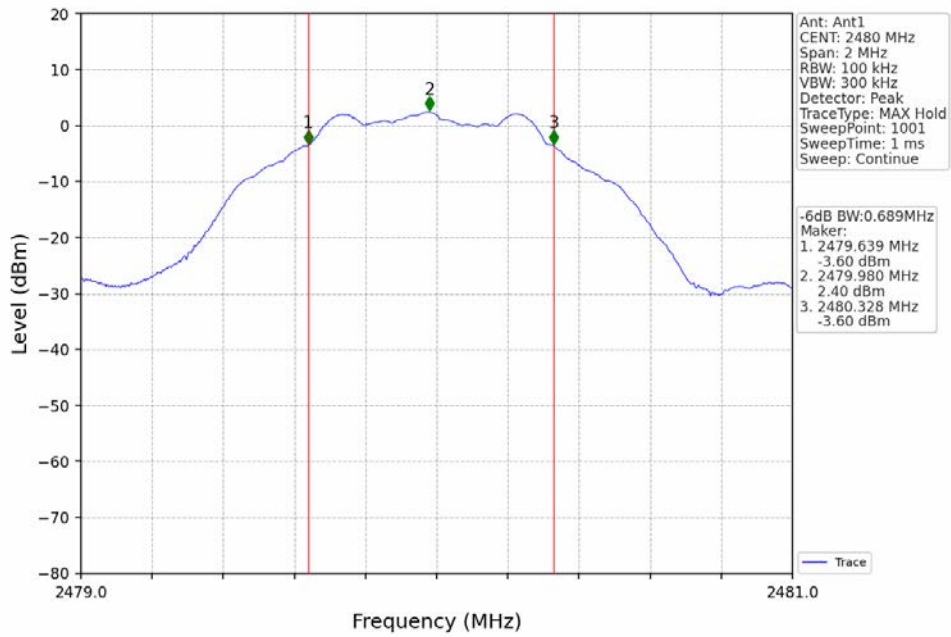
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.697	$\geq 0.5$	Pass
		2440	1	0.699	$\geq 0.5$	Pass
		2480	1	0.689	$\geq 0.5$	Pass
2M	SISO	2402	1	1.274	$\geq 0.5$	Pass
		2440	1	1.272	$\geq 0.5$	Pass
		2480	1	1.279	$\geq 0.5$	Pass



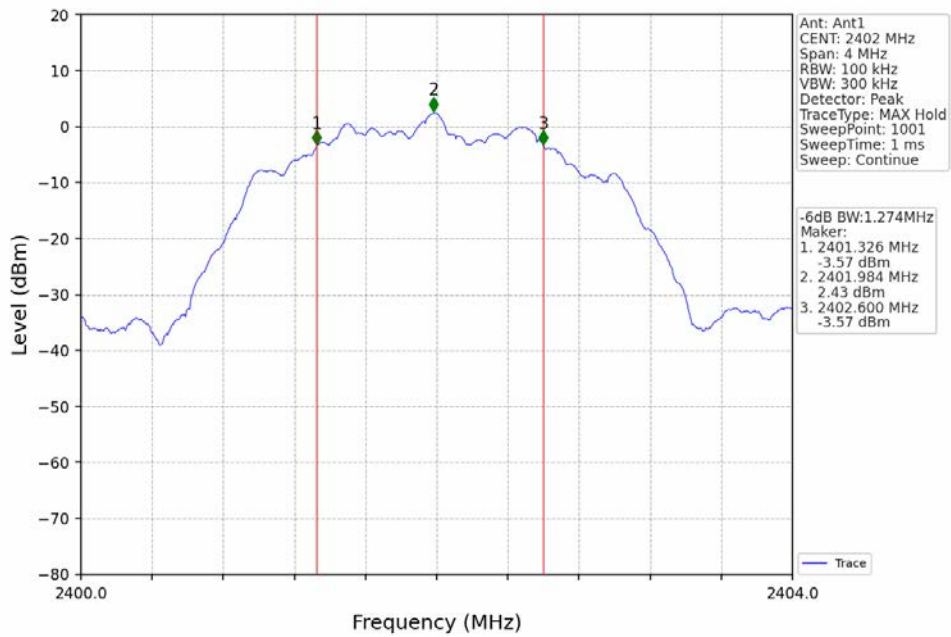
### 2.2.2 Test Graph



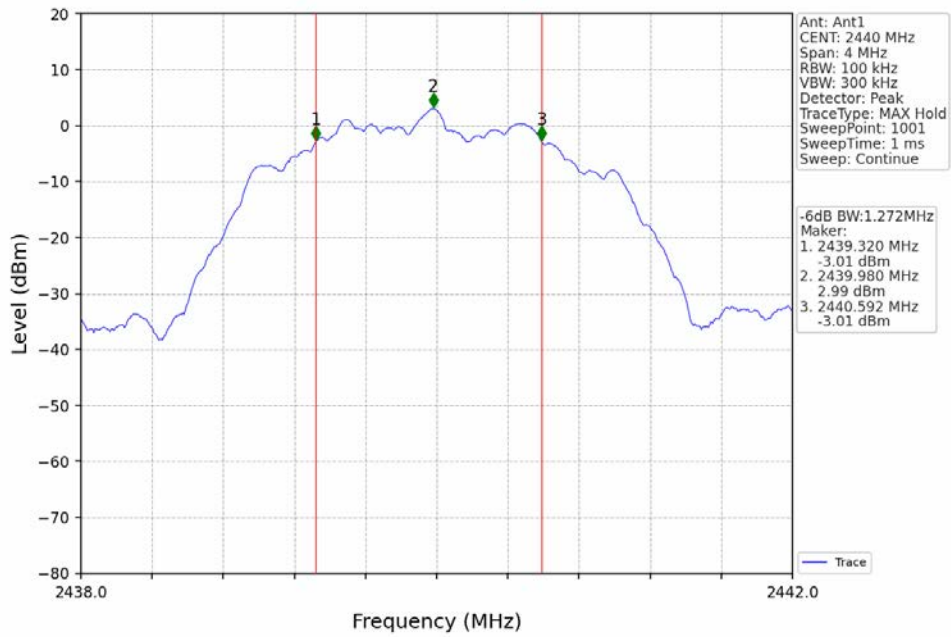
1M\_HCH\_2480MHz\_Ant1\_NTNV



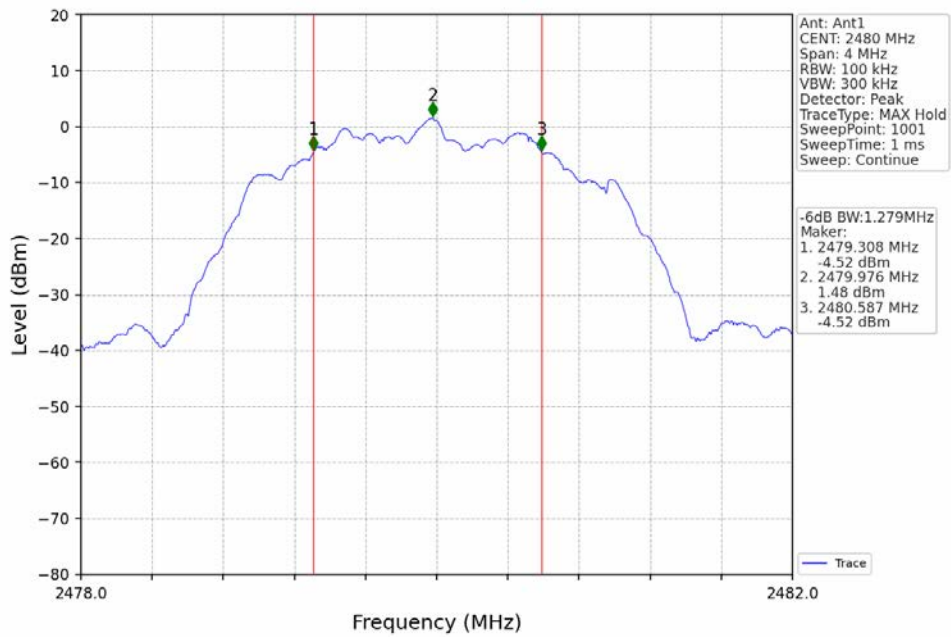
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



### 3. Maximum Conducted Output Power

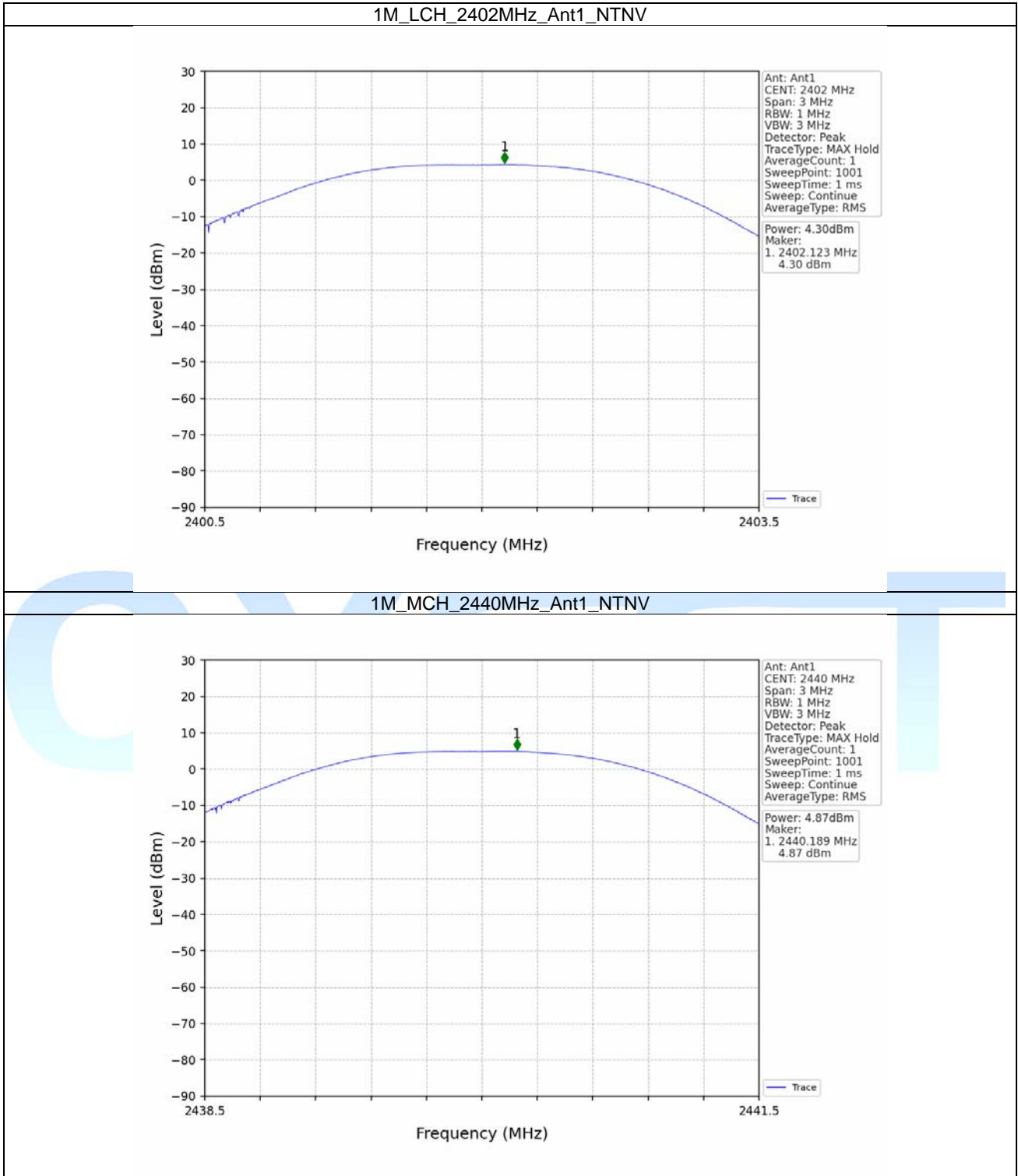
#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	4.30	$\leq 30$	Pass
		2440	4.87	$\leq 30$	Pass
		2480	3.43	$\leq 30$	Pass
2M	SISO	2402	4.50	$\leq 30$	Pass
		2440	5.04	$\leq 30$	Pass
		2480	3.68	$\leq 30$	Pass

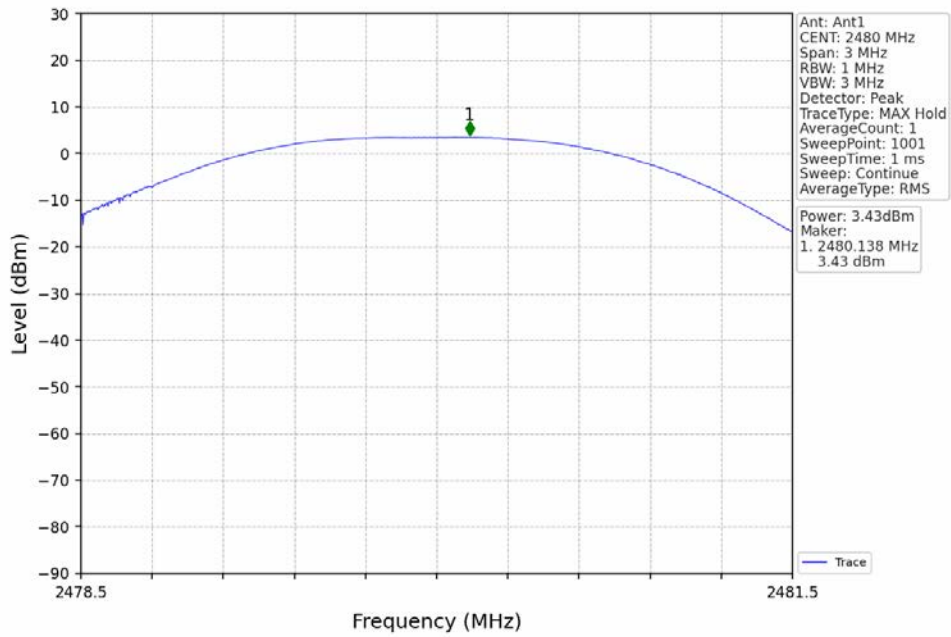
Note1: Antenna Gain: Ant1: 1.83dBi;

### 3.1.2 Test Graph

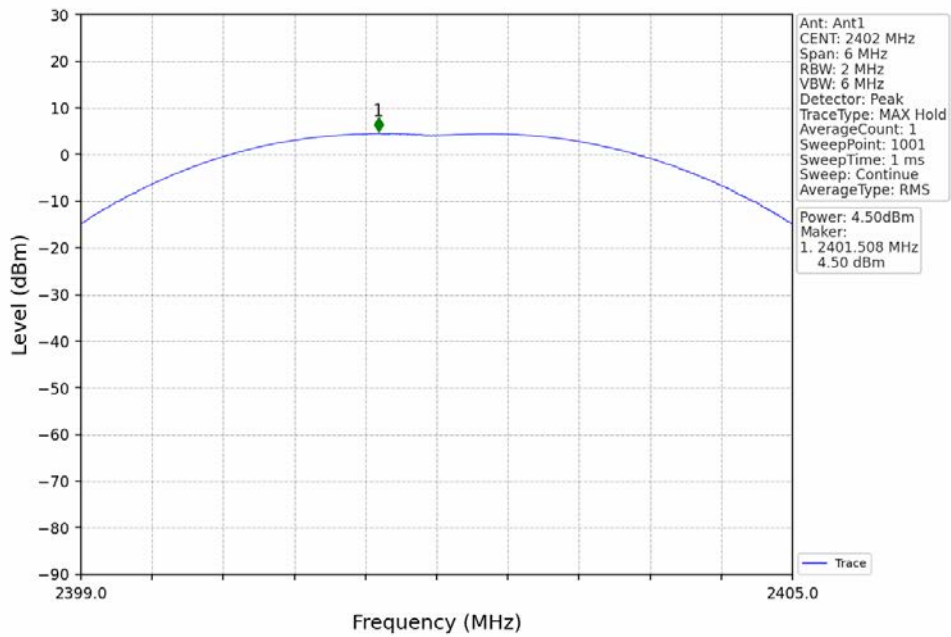




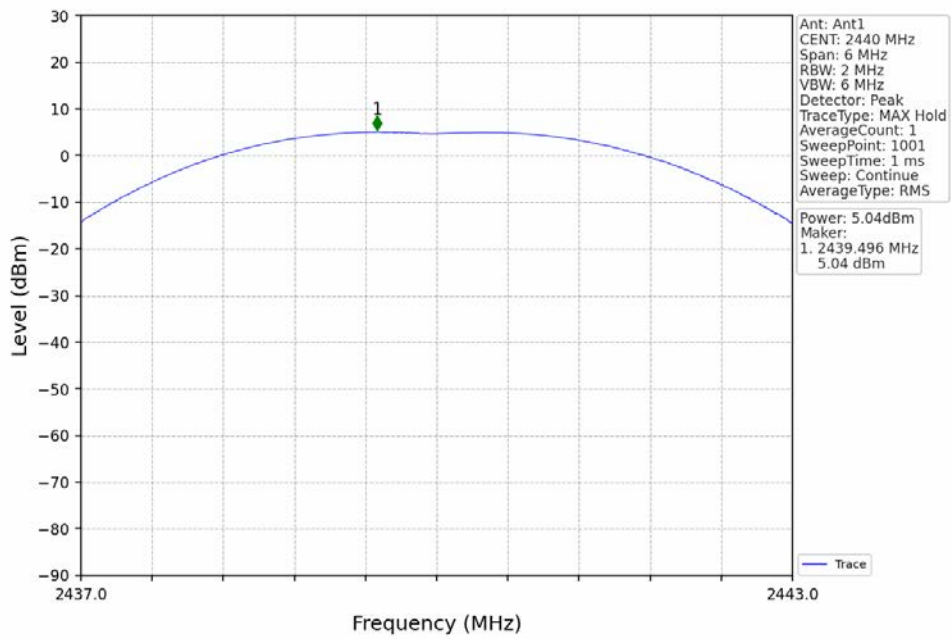
1M\_HCH\_2480MHz\_Ant1\_NTNV



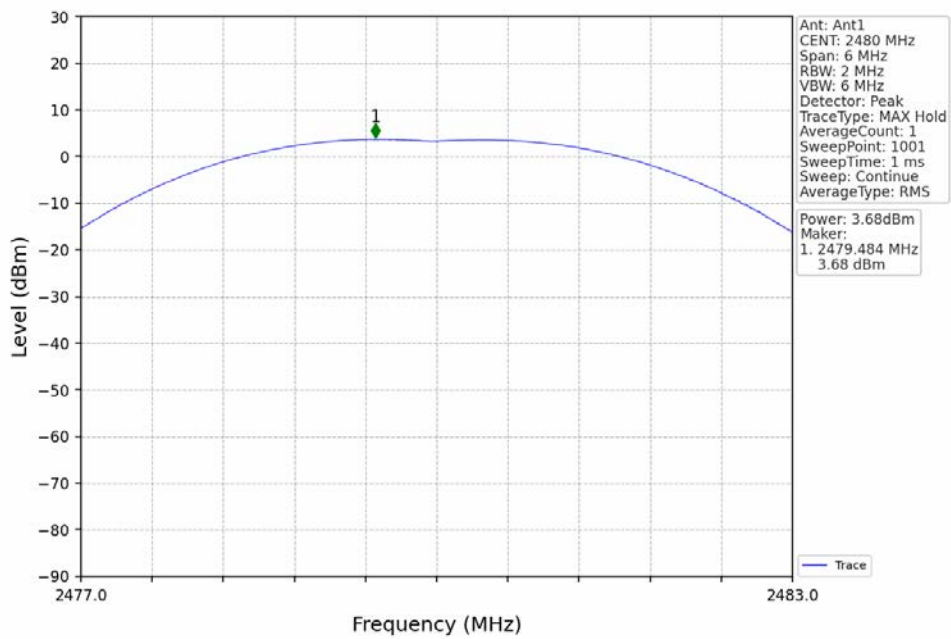
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



## 4. Maximum Power Spectral Density

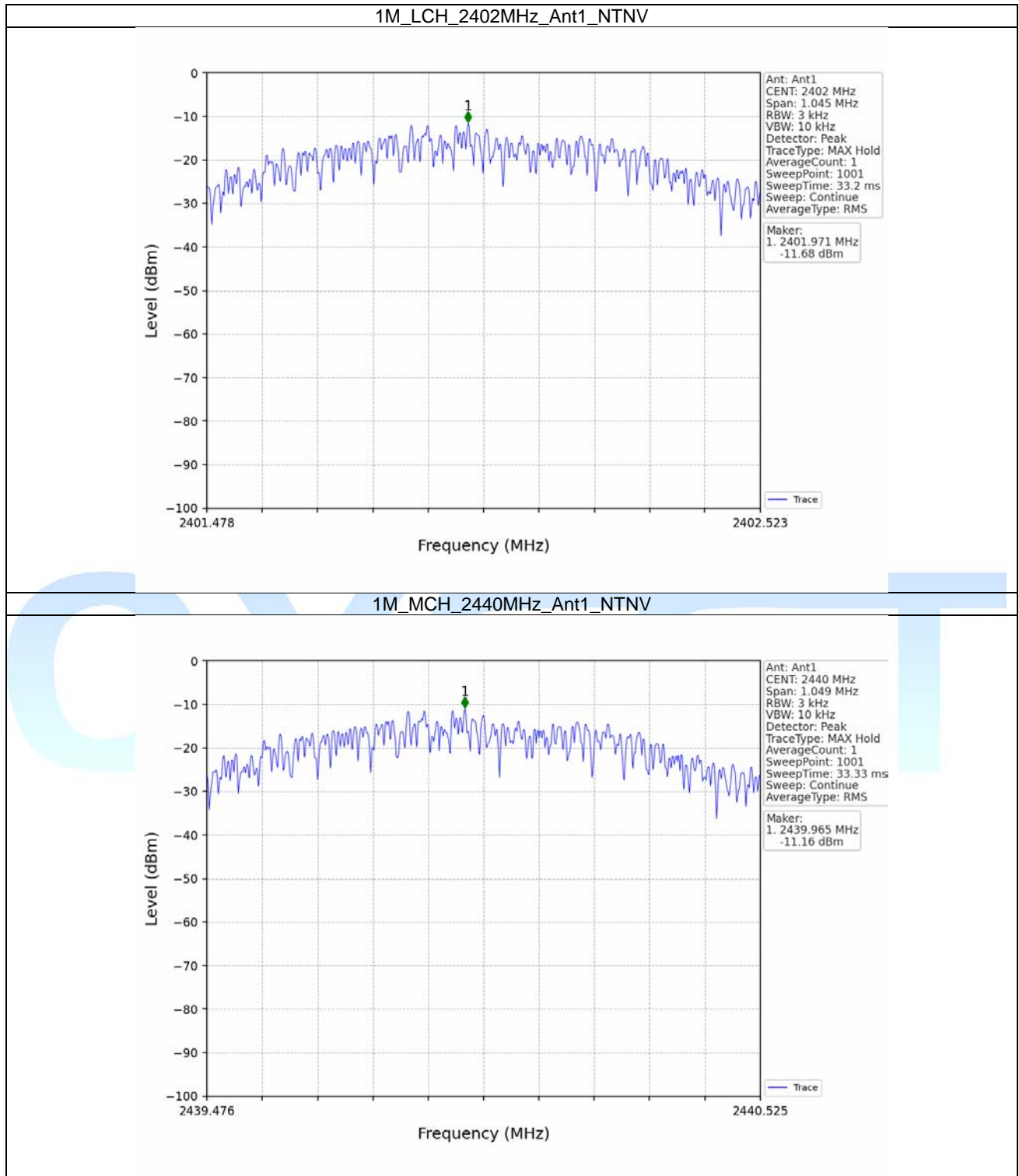
### 4.1 PSD

#### 4.1.1 Test Result

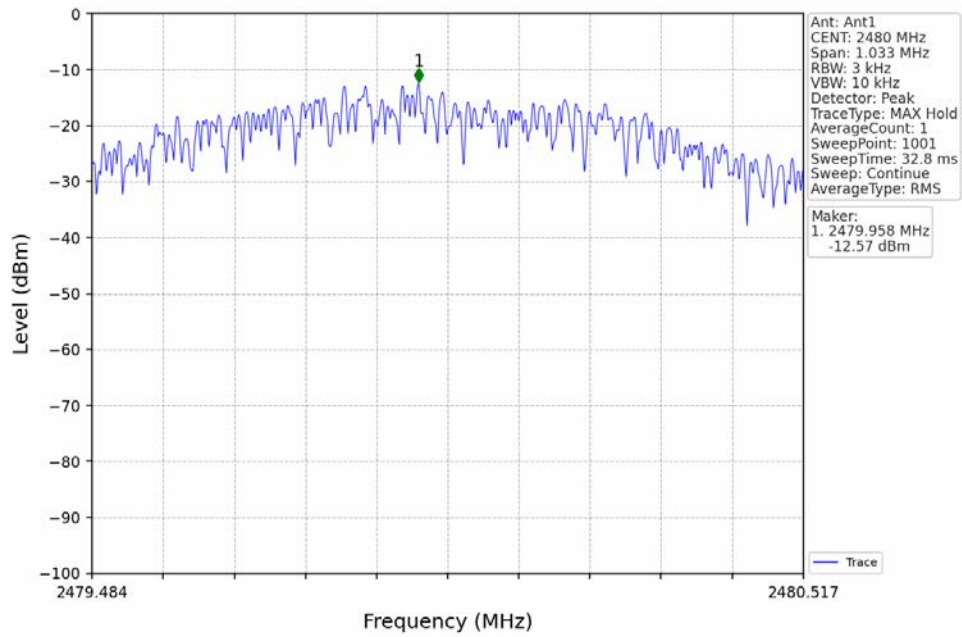
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-11.68	<=8	Pass
		2440	-11.16	<=8	Pass
		2480	-12.57	<=8	Pass
2M	SISO	2402	-14.47	<=8	Pass
		2440	-13.99	<=8	Pass
		2480	-15.44	<=8	Pass

Note1: Antenna Gain: Ant1: 1.83dBi;

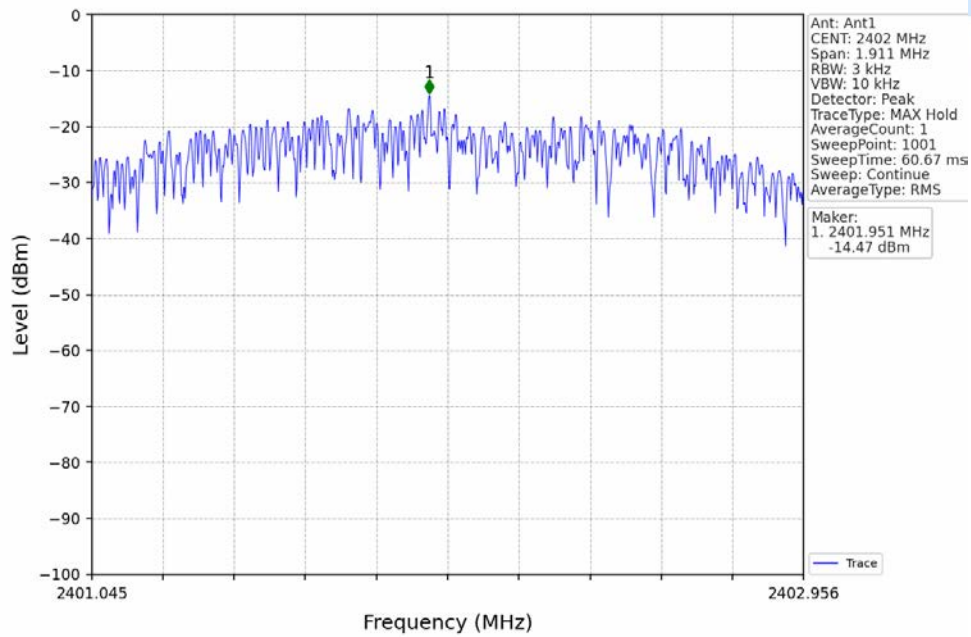
### 4.1.2 Test Graph



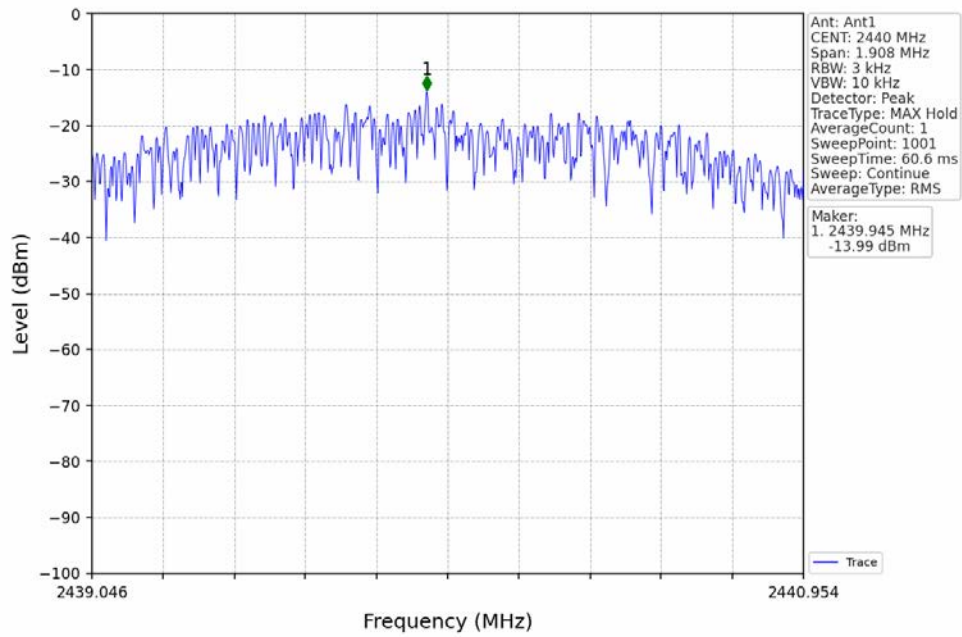
1M\_HCH\_2480MHz\_Ant1\_NTNV



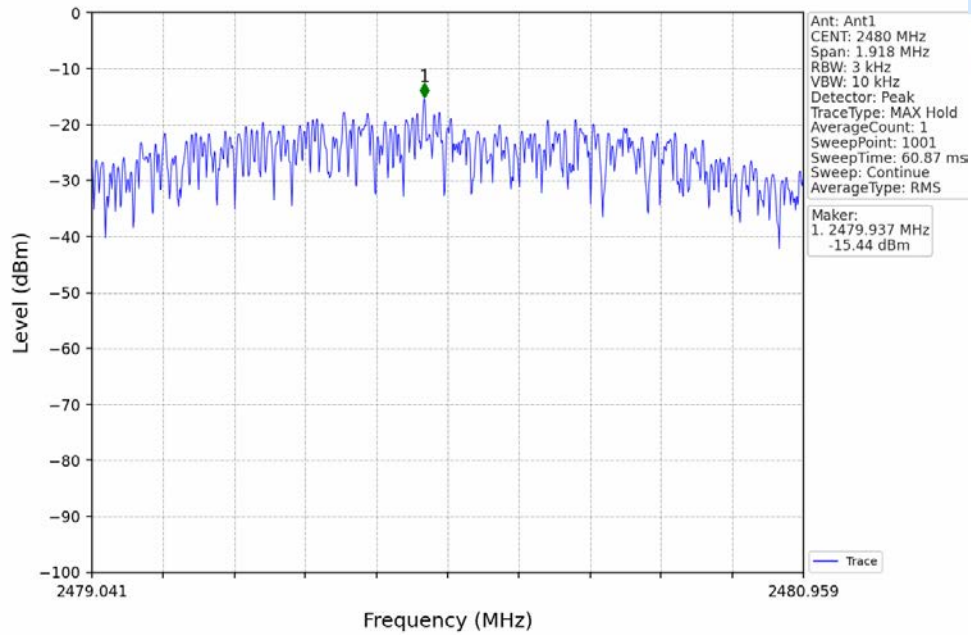
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





## 5. Unwanted Emissions In Non-restricted Frequency Bands

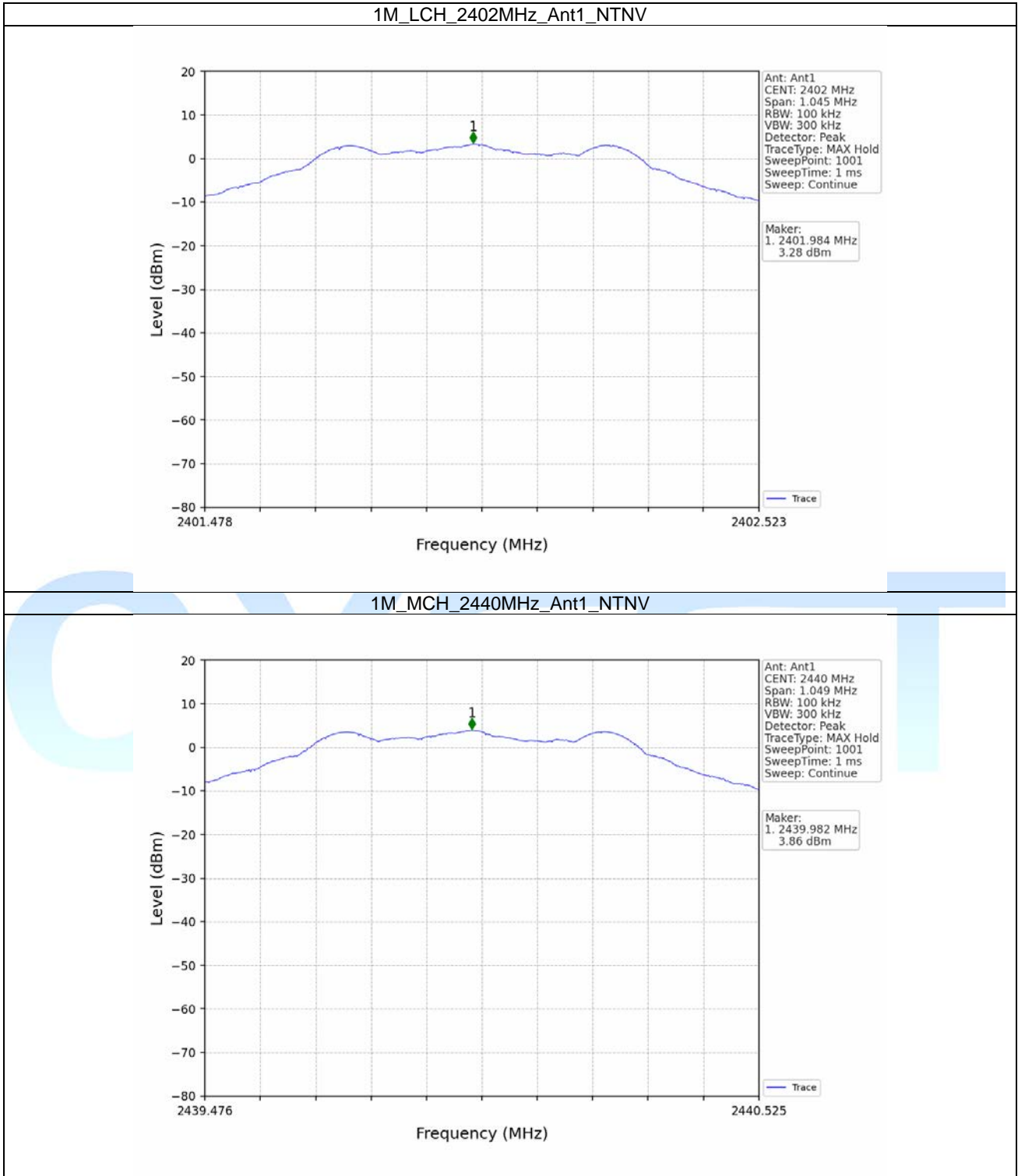
### 5.1 Ref

#### 5.1.1 Test Result

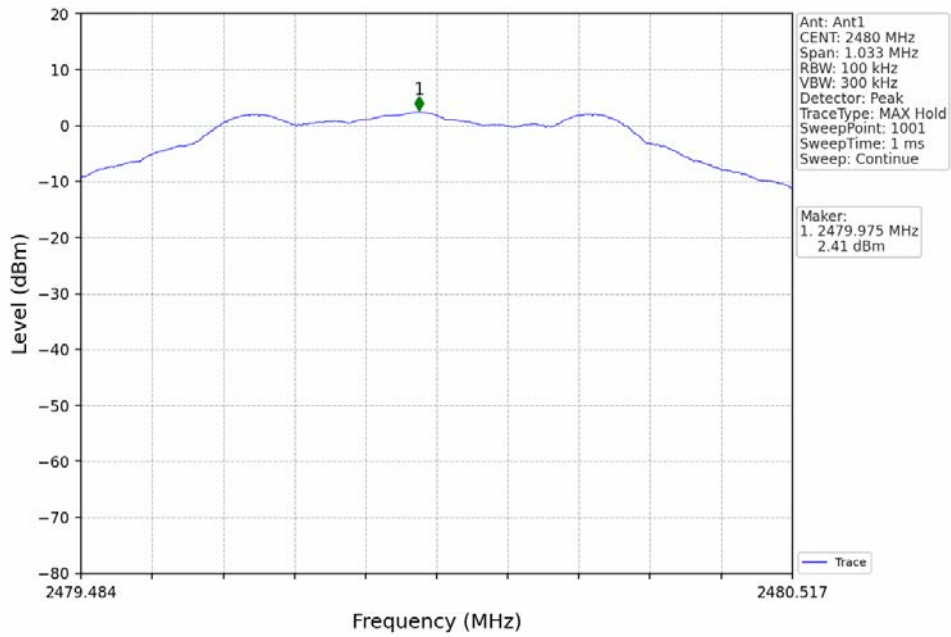
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	3.28
		2440	1	<b>3.86</b>
		2480	1	2.41
2M	SISO	2402	1	2.42
		2440	1	<b>3.01</b>
		2480	1	1.54

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.

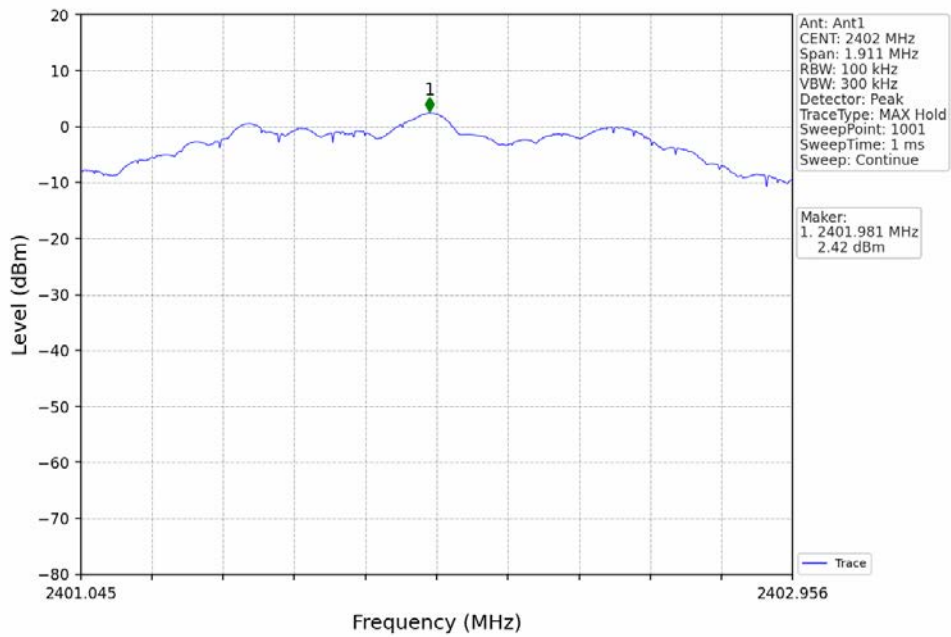
### 5.1.2 Test Graph



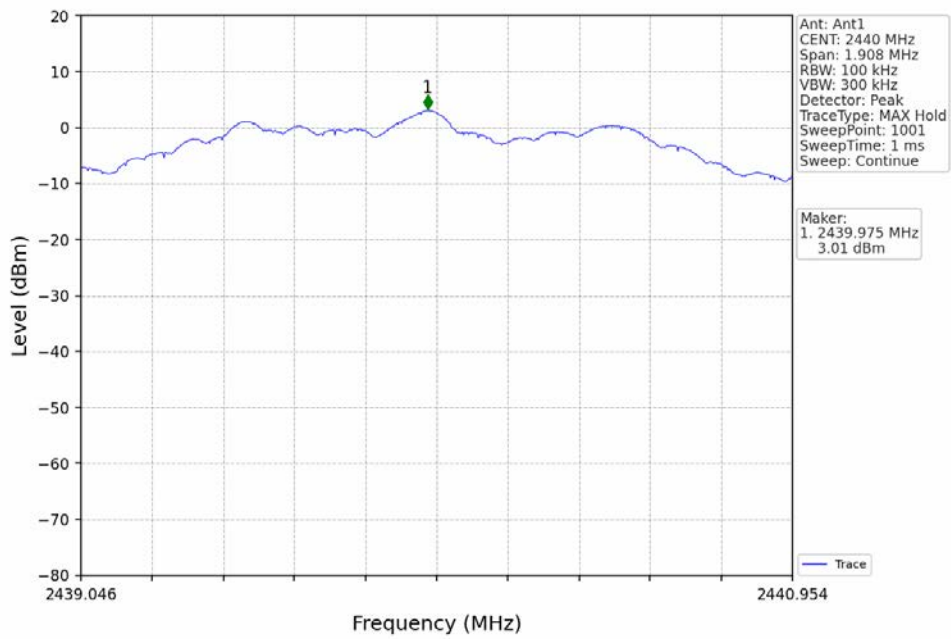
1M\_HCH\_2480MHz\_Ant1\_NTNV



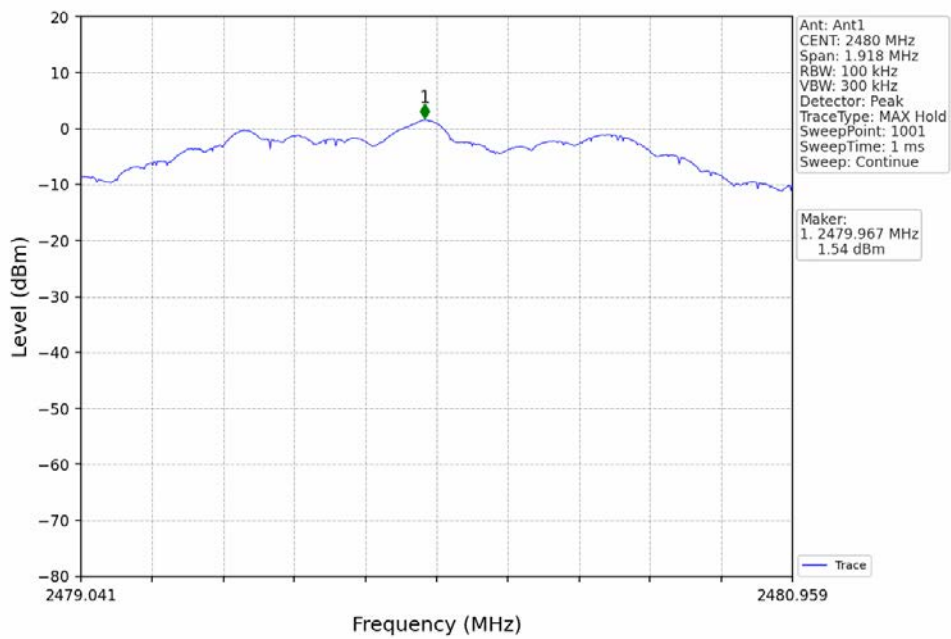
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



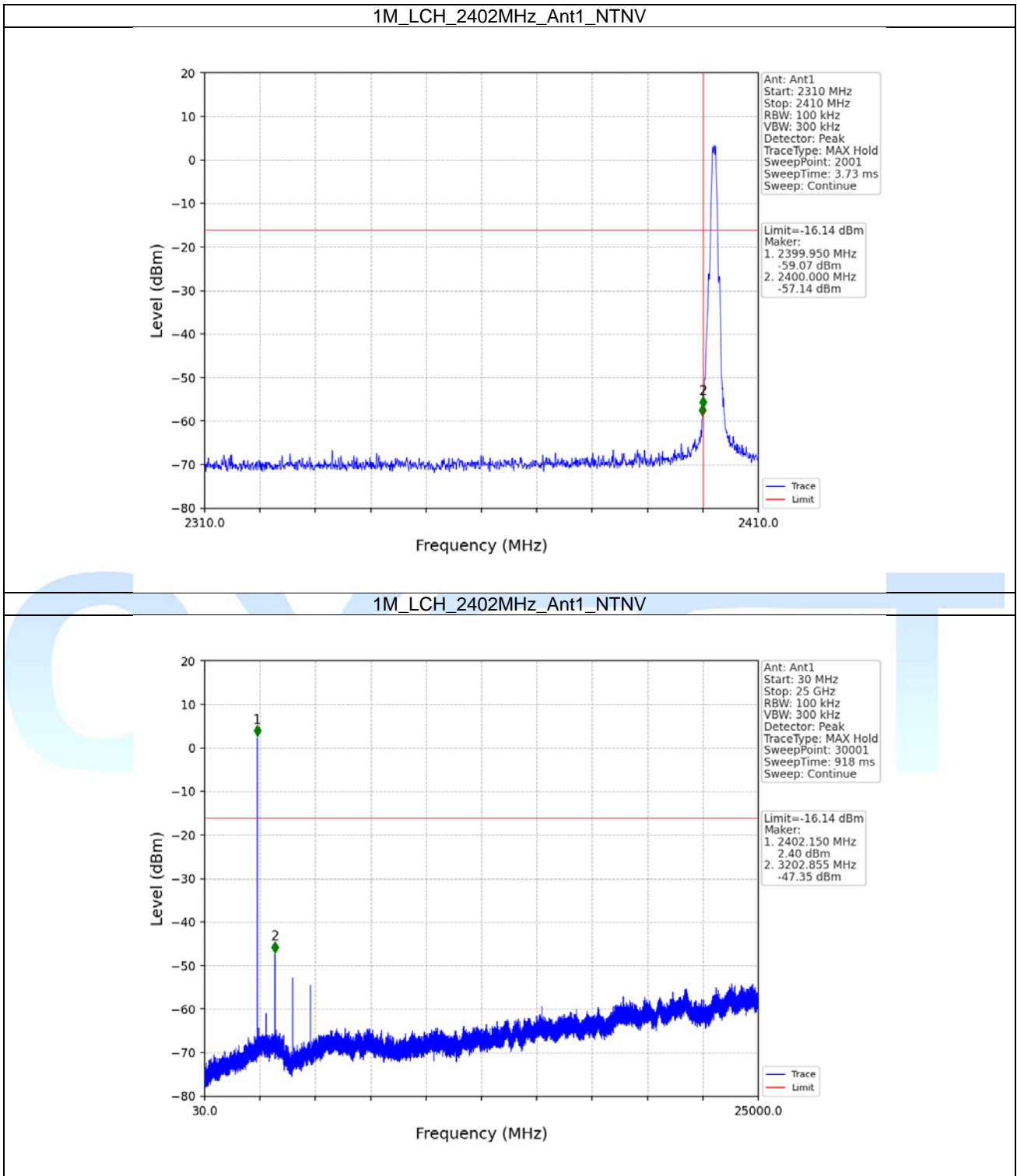
## 5.2 CSE

### 5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	3.86	-16.14	Pass
		2440	1	3.86	-16.14	Pass
		2480	1	3.86	-16.14	Pass
2M	SISO	2402	1	3.01	-16.99	Pass
		2440	1	3.01	-16.99	Pass
		2480	1	3.01	-16.99	Pass

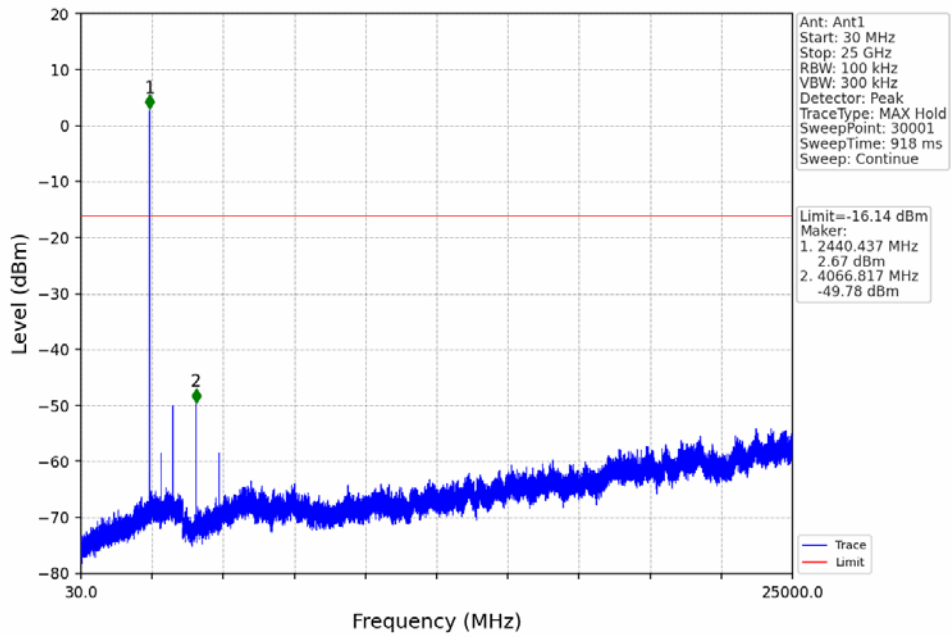
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

### 5.2.2 Test Graph

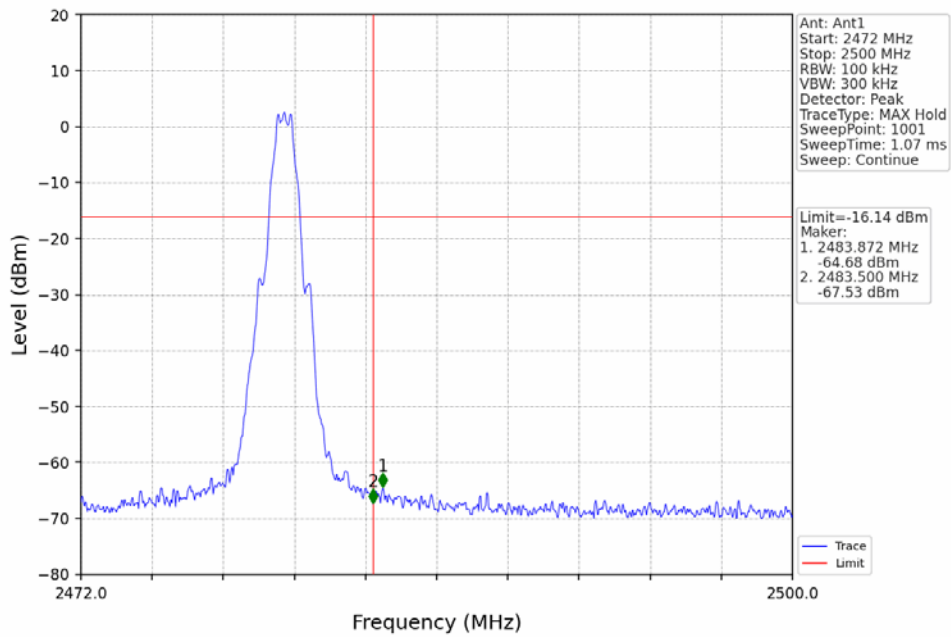




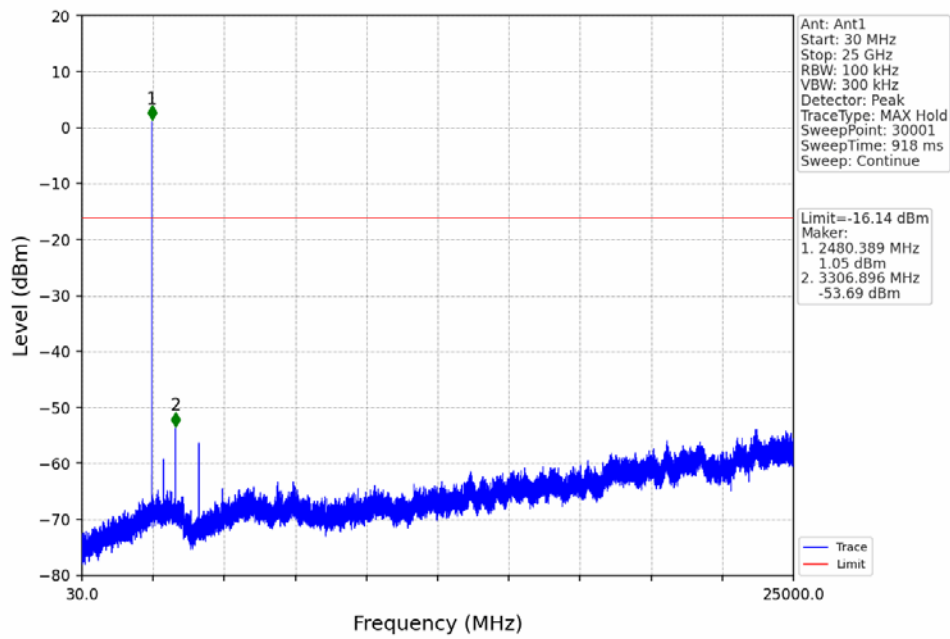
1M\_MCH\_2440MHz\_Ant1\_NTNV



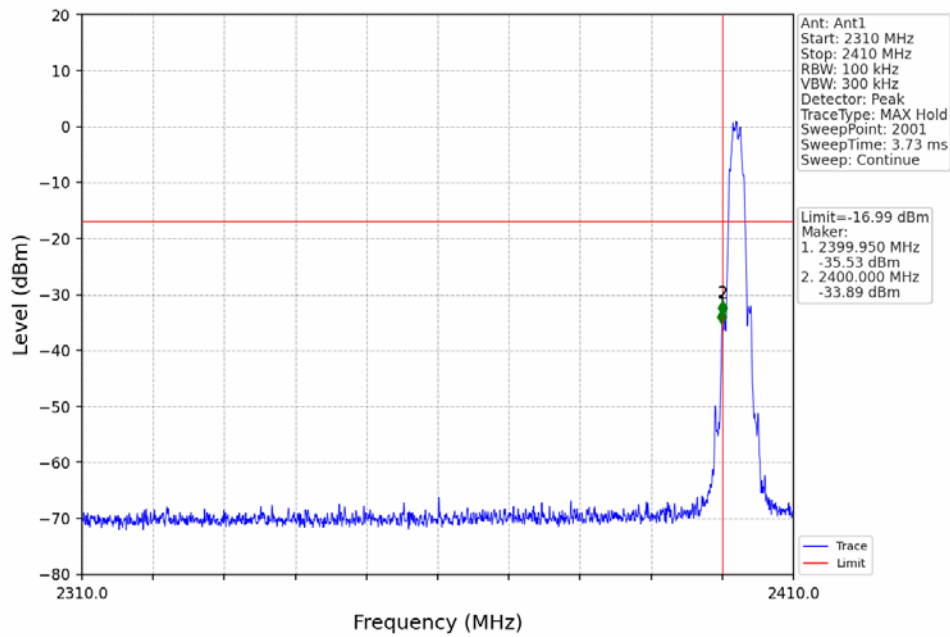
1M\_HCH\_2480MHz\_Ant1\_NTNV



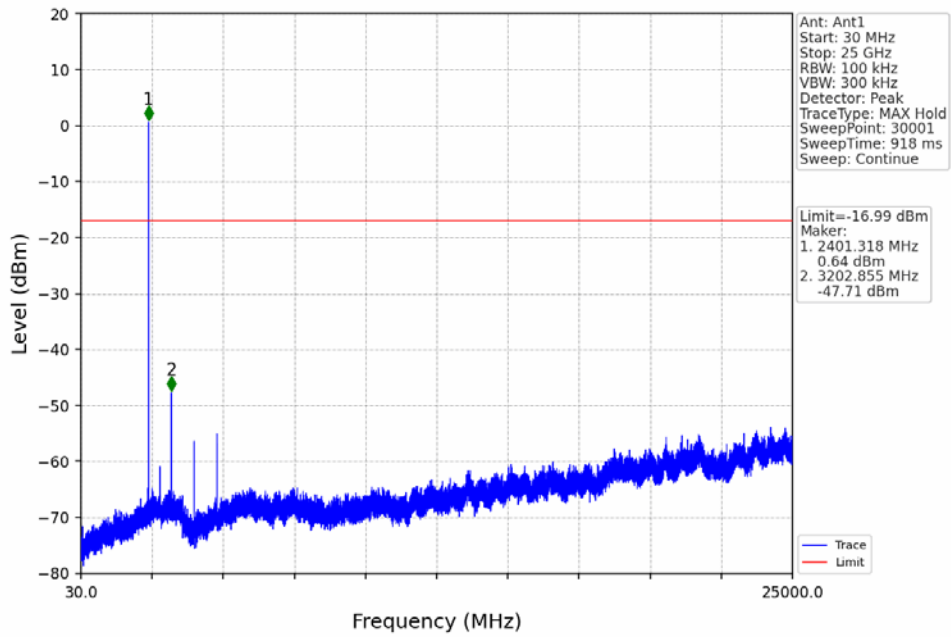
1M\_HCH\_2480MHz\_Ant1\_NTNV



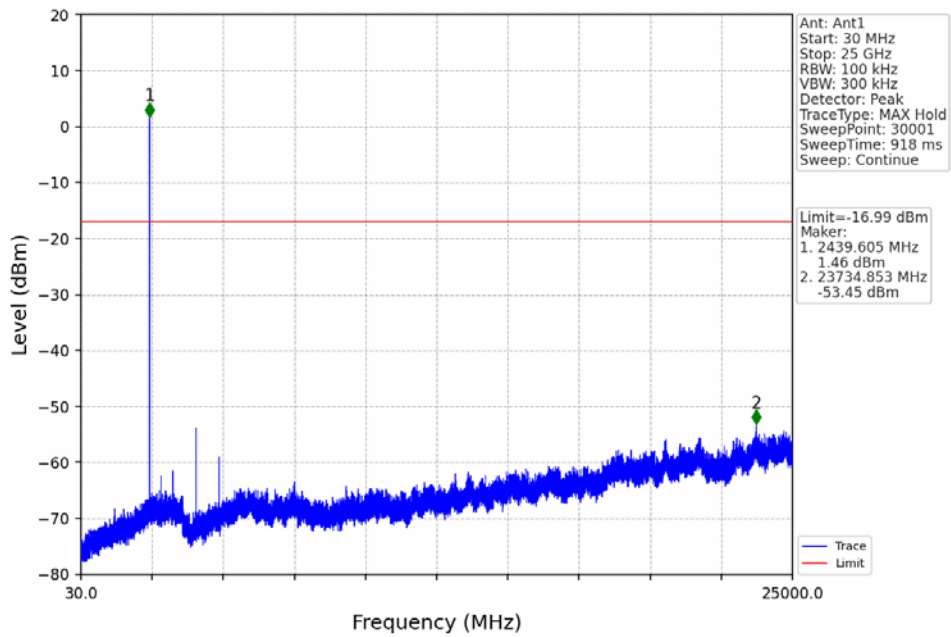
2M\_LCH\_2402MHz\_Ant1\_NTNV



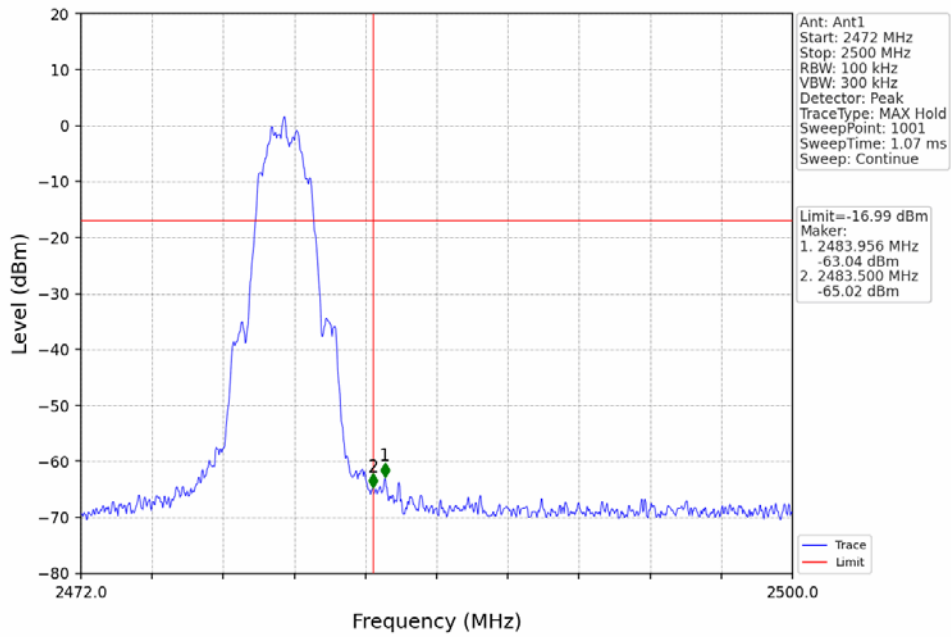
2M\_LCH\_2402MHz\_Ant1\_NTNV



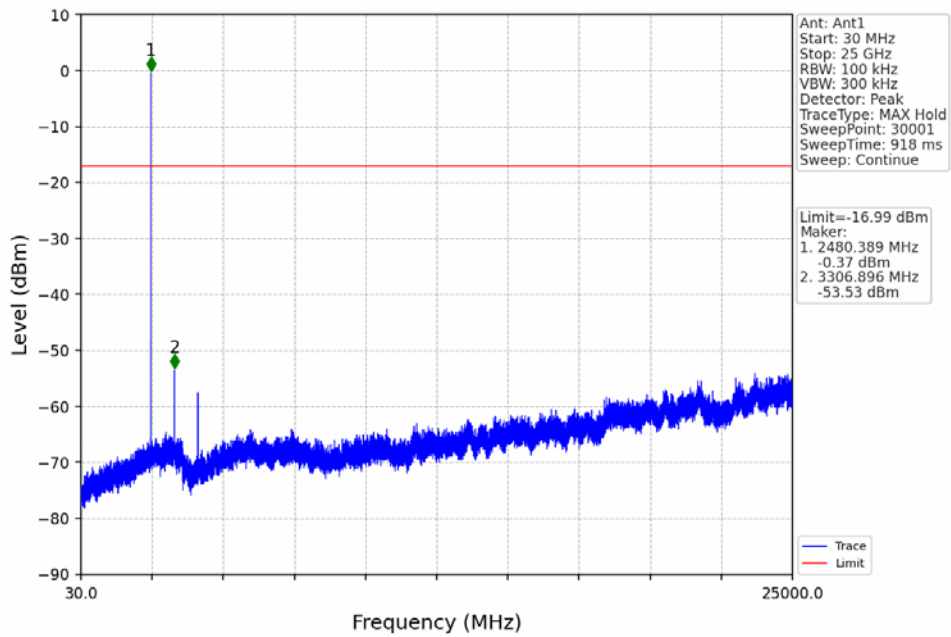
2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



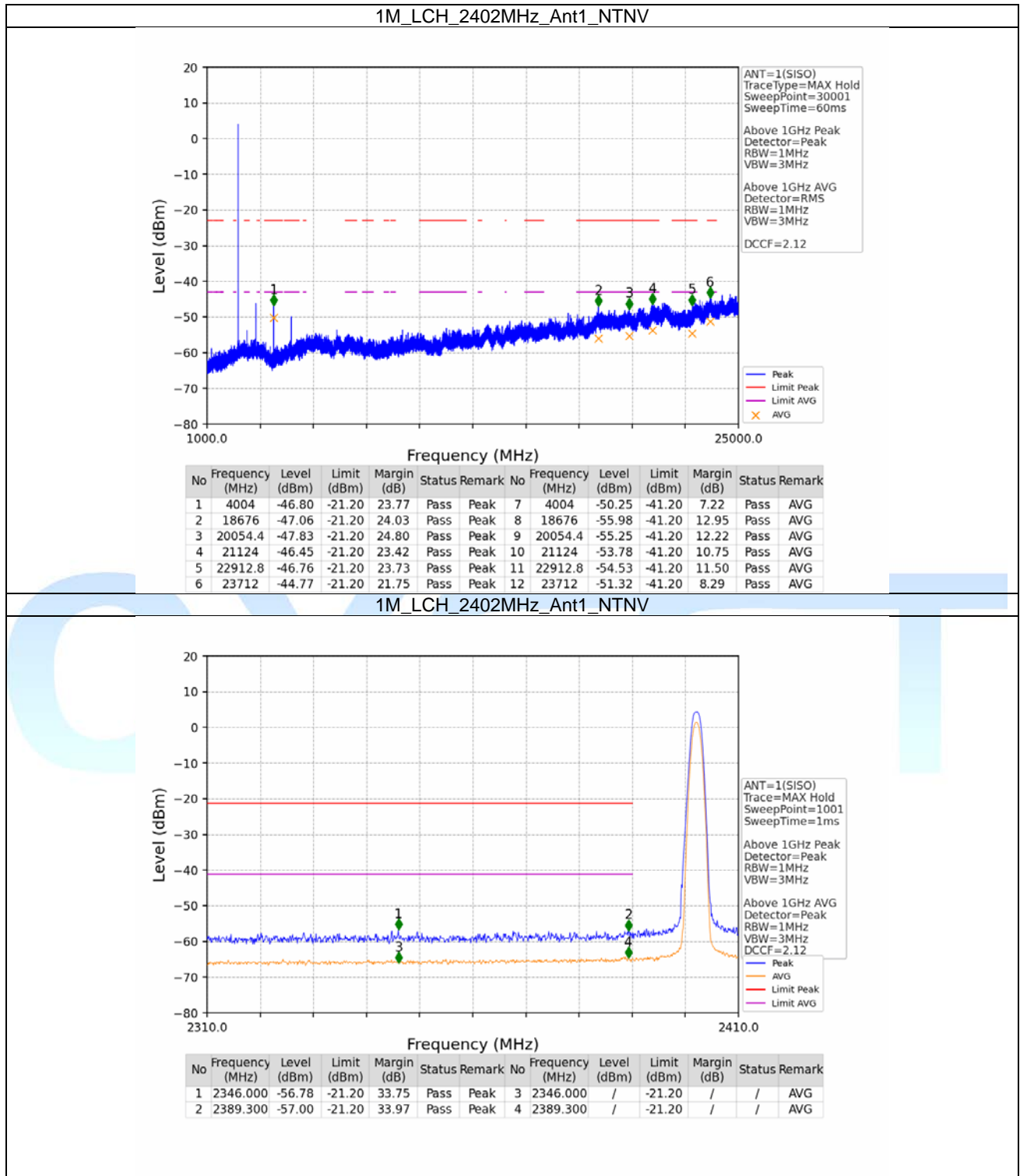
## 6. Unwanted Emissions In Restricted Frequency Bands

### 6.1 RSE

#### 6.1.1 Test Result

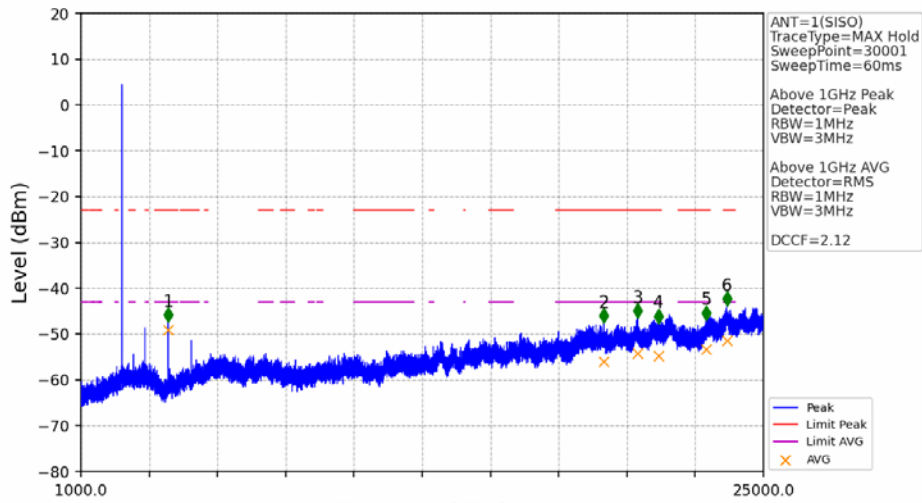
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
1M	SISO	2402	1	Refer To Test Graph	Pass	
		2440	1	Refer To Test Graph	Pass	
		2480	1	Refer To Test Graph	Pass	
2M	SISO	2402	1	Refer To Test Graph	Pass	
		2440	1	Refer To Test Graph	Pass	
		2480	1	Refer To Test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

### 6.1.2 Test Graph



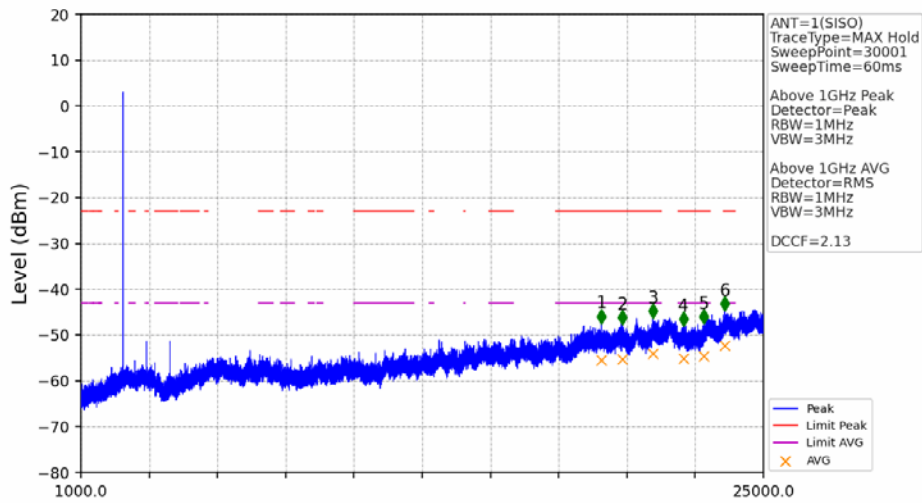


1M\_MCH\_2440MHz\_Ant1\_NTNV



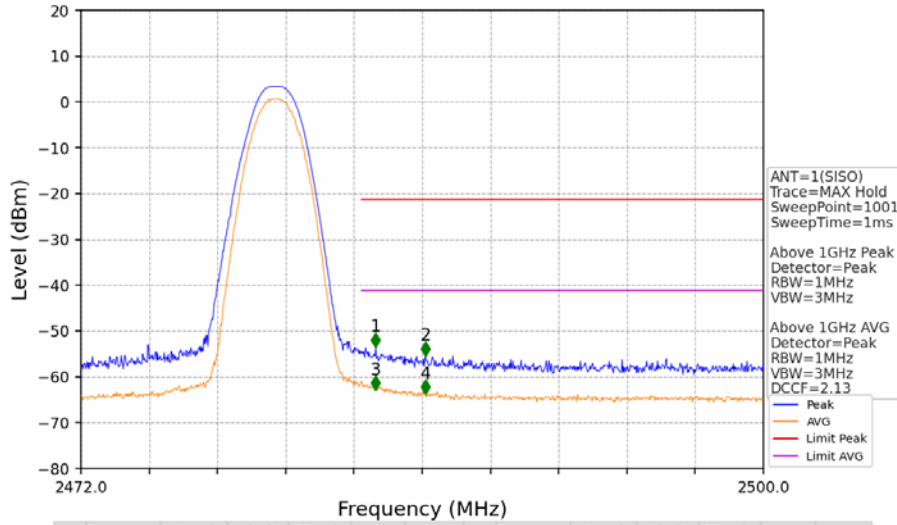
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4067.2	-47.39	-21.20	24.36	Pass	Peak	7	4067.2	-49.11	-41.20	6.08	Pass	AVG
2	19387.2	-47.62	-21.20	24.59	Pass	Peak	8	19387.2	-55.98	-41.20	12.95	Pass	AVG
3	20572.8	-46.47	-21.20	23.44	Pass	Peak	9	20572.8	-54.24	-41.20	11.21	Pass	AVG
4	21313.6	-47.63	-21.20	24.60	Pass	Peak	10	21313.6	-54.70	-41.20	11.67	Pass	AVG
5	22987.2	-46.95	-21.20	23.92	Pass	Peak	11	22987.2	-53.40	-41.20	10.37	Pass	AVG
6	23710.4	-43.92	-21.20	20.89	Pass	Peak	12	23710.4	-51.34	-41.20	8.31	Pass	AVG

1M\_HCH\_2480MHz\_Ant1\_NTNV



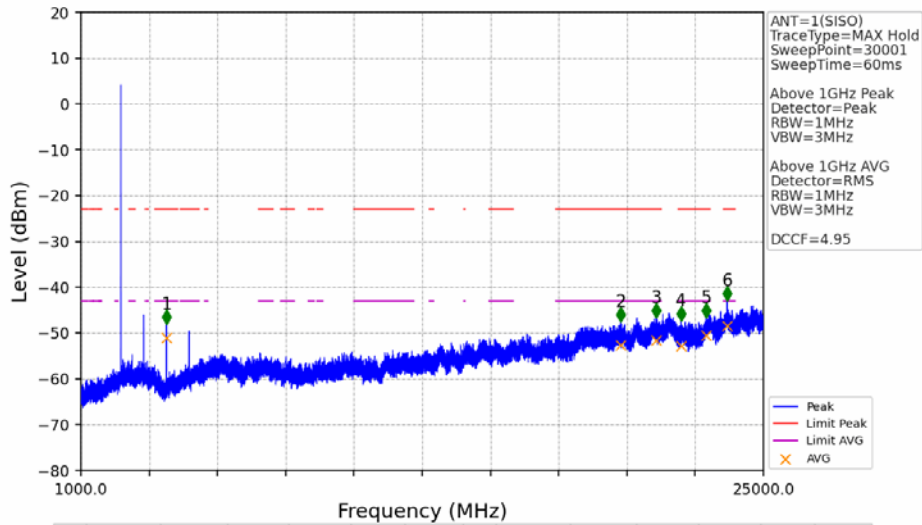
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19304.8	-47.47	-21.20	24.43	Pass	Peak	7	19304.8	-55.52	-41.20	12.49	Pass	AVG
2	20043.2	-47.67	-21.20	24.64	Pass	Peak	8	20043.2	-55.23	-41.20	12.20	Pass	AVG
3	21108	-46.26	-21.20	23.23	Pass	Peak	9	21108	-54.00	-41.20	10.97	Pass	AVG
4	22177.6	-48.04	-21.20	25.01	Pass	Peak	10	22177.6	-55.19	-41.20	12.16	Pass	AVG
5	22912	-47.59	-21.20	24.55	Pass	Peak	11	22912	-54.61	-41.20	11.58	Pass	AVG
6	23642.4	-44.71	-21.20	21.68	Pass	Peak	12	23642.4	-52.27	-41.20	9.24	Pass	AVG

1M\_HCH\_2480MHz\_Ant1\_NTNV



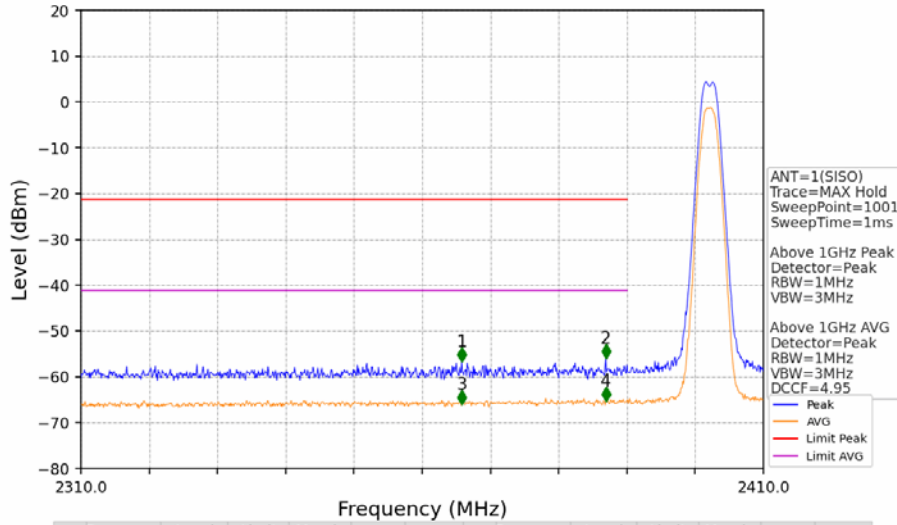
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2484.096	-53.47	-21.20	30.44	Pass	Peak	3	2484.096	/	-21.20	/	/	AVG
2	2486.140	-55.40	-21.20	32.37	Pass	Peak	4	2486.140	/	-21.20	/	/	AVG

2M\_LCH\_2402MHz\_Ant1\_NTNV



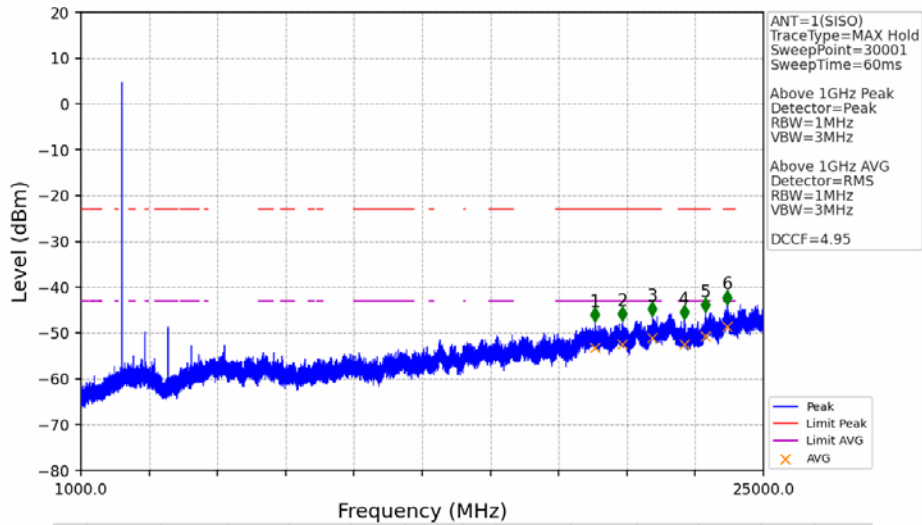
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4004	-48.09	-21.20	25.06	Pass	Peak	7	4004	-51.10	-41.20	8.07	Pass	AVG
2	19983.2	-47.58	-21.20	24.55	Pass	Peak	8	19983.2	-52.63	-41.20	9.60	Pass	AVG
3	21226.4	-46.72	-21.20	23.69	Pass	Peak	9	21226.4	-51.63	-41.20	8.60	Pass	AVG
4	22100	-47.41	-21.20	24.38	Pass	Peak	10	22100	-52.76	-41.20	9.73	Pass	AVG
5	22988.8	-46.69	-21.20	23.66	Pass	Peak	11	22988.8	-50.49	-41.20	7.46	Pass	AVG
6	23722.4	-43.00	-21.20	19.97	Pass	Peak	12	23722.4	-48.39	-41.20	5.36	Pass	AVG

2M\_LCH\_2402MHz\_Ant1\_NTNV



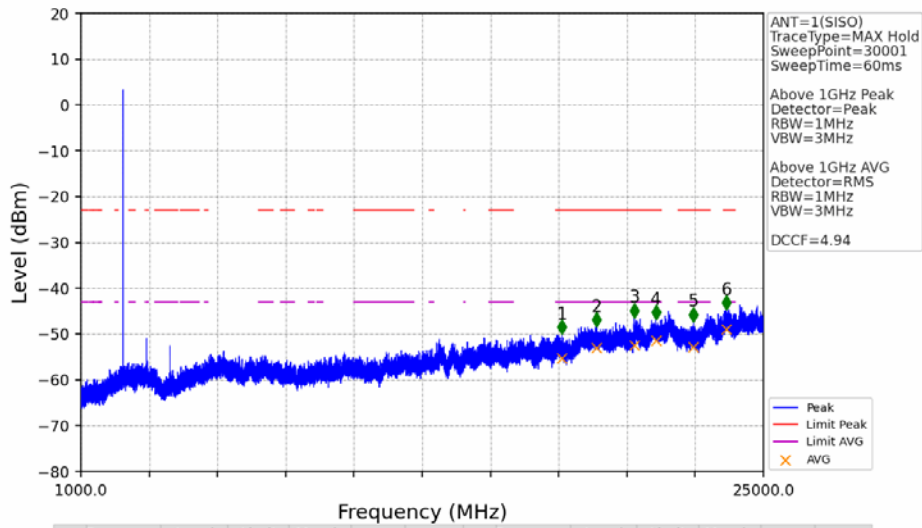
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2365.800	-56.66	-21.20	33.63	Pass	Peak	3	2365.800	/	-21.20	/	/	AVG
2	2386.900	-56.02	-21.20	32.99	Pass	Peak	4	2386.900	/	-21.20	/	/	AVG

2M\_MCH\_2440MHz\_Ant1\_NTNV



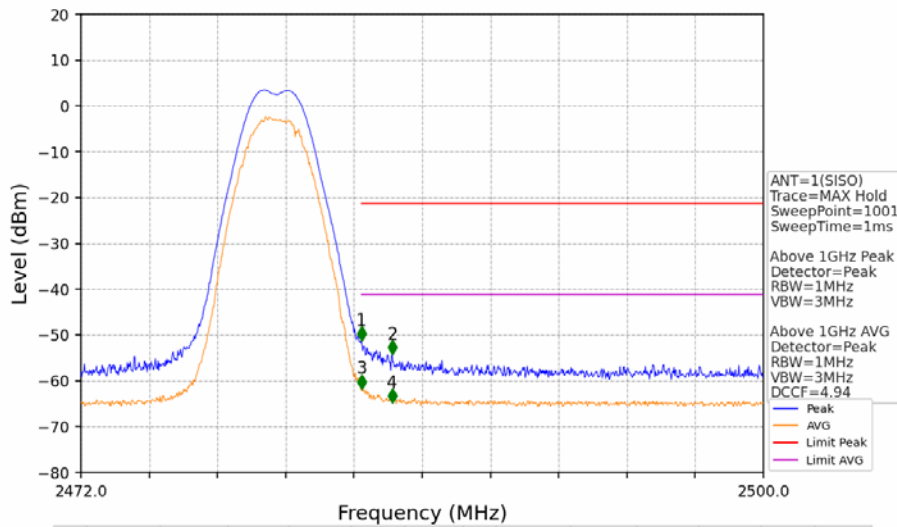
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19082.4	-47.59	-21.20	24.56	Pass	Peak	7	19082.4	-53.18	-41.20	10.15	Pass	AVG
2	20048	-47.43	-21.20	24.40	Pass	Peak	8	20048	-52.48	-41.20	9.45	Pass	AVG
3	21099.2	-46.26	-21.20	23.23	Pass	Peak	9	21099.2	-51.15	-41.20	8.12	Pass	AVG
4	22222.4	-47.06	-21.20	24.03	Pass	Peak	10	22222.4	-52.49	-41.20	9.46	Pass	AVG
5	22968	-45.48	-21.20	22.45	Pass	Peak	11	22968	-50.69	-41.20	7.66	Pass	AVG
6	23730.4	-43.78	-21.20	20.75	Pass	Peak	12	23730.4	-48.54	-41.20	5.51	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	17921.6	-50.01	-21.20	26.98	Pass	Peak	7	17921.6	-55.39	-41.20	12.36	Pass	AVG
2	19117.6	-48.43	-21.20	25.40	Pass	Peak	8	19117.6	-53.08	-41.20	10.05	Pass	AVG
3	20454.4	-46.42	-21.20	23.39	Pass	Peak	9	20454.4	-52.48	-41.20	9.45	Pass	AVG
4	21213.6	-46.88	-21.20	23.85	Pass	Peak	10	21213.6	-51.37	-41.20	8.34	Pass	AVG
5	22544.8	-47.31	-21.20	24.28	Pass	Peak	11	22544.8	-52.85	-41.20	9.82	Pass	AVG
6	23688	-44.79	-21.20	21.76	Pass	Peak	12	23688	-48.88	-41.20	5.85	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	2483.508	-51.22	-21.20	28.19	Pass	Peak	3	2483.508	/	-21.20	/	/	AVG
2	2484.768	-54.23	-21.20	31.20	Pass	Peak	4	2484.768	/	-21.20	/	/	AVG

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