



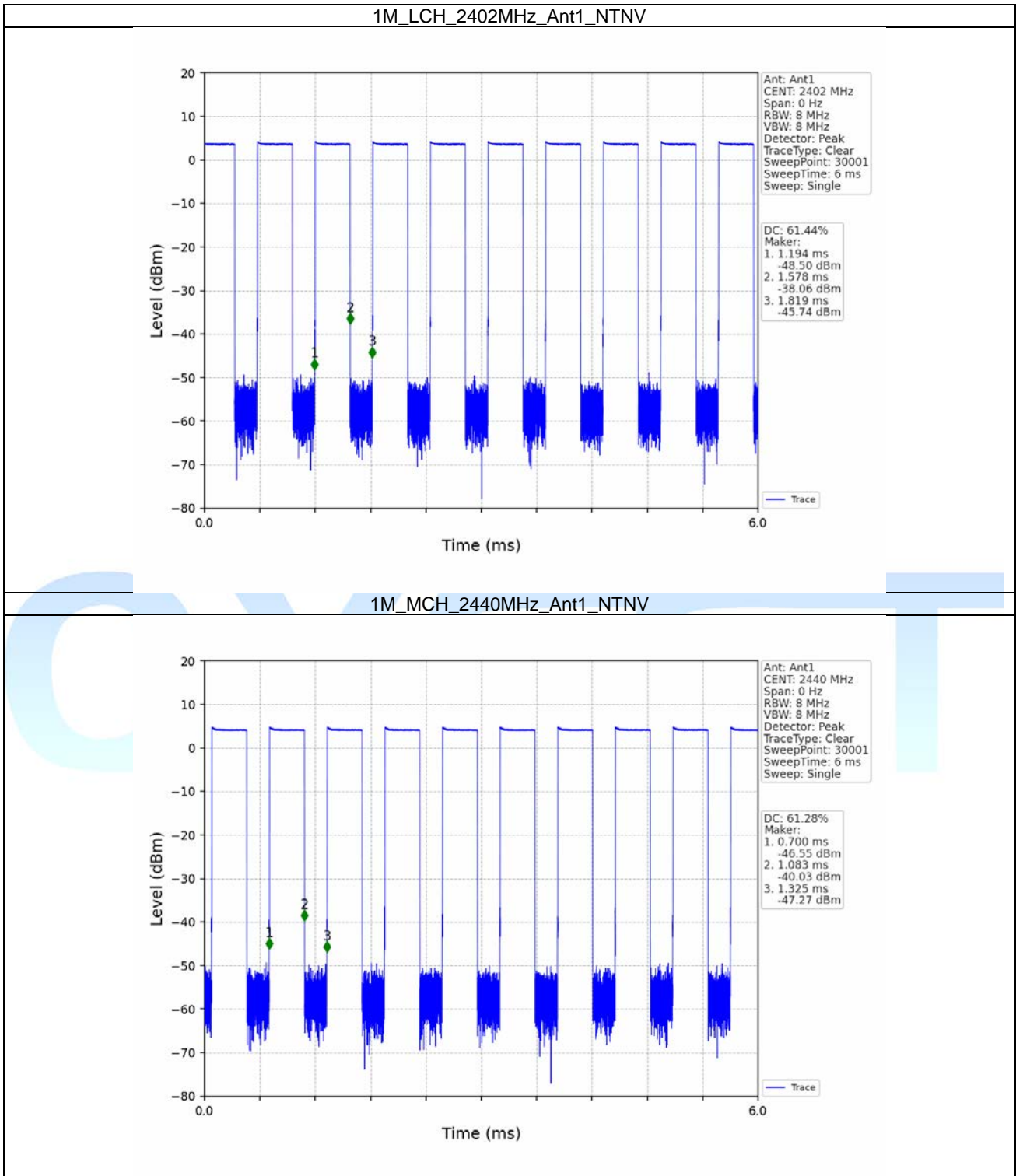
## 1. Duty Cycle

### 1.1 Ant1

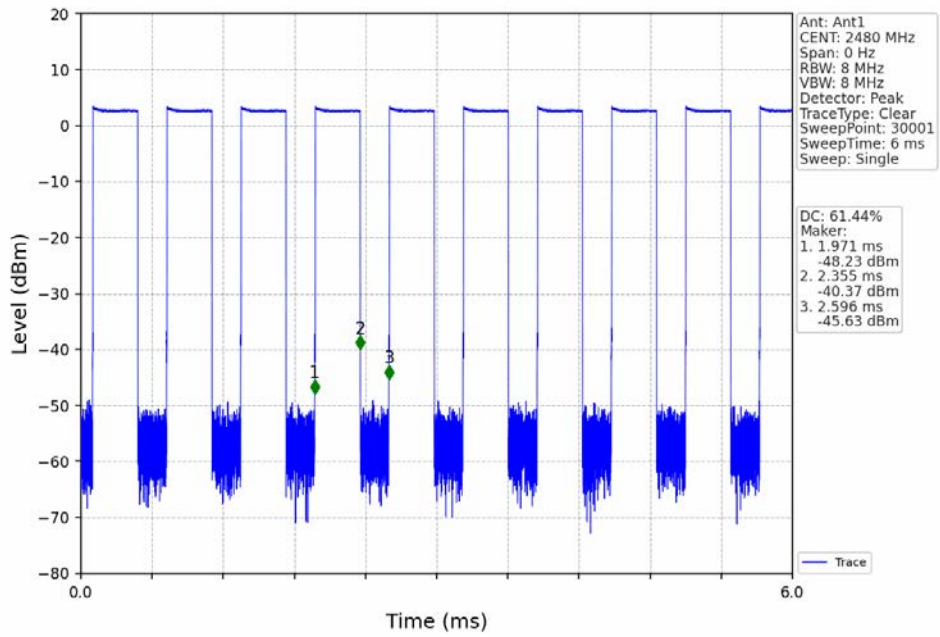
#### 1.1.1 Test Result

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	0.05
		2440	0.383	0.625	61.28	2.13	0.02
		2480	0.384	0.625	61.44	2.12	0.03
2M	SISO	2402	0.200	0.625	32.00	4.95	0.05
		2440	0.200	0.625	32.00	4.95	0.06
		2480	0.200	0.625	32.00	4.95	0.05

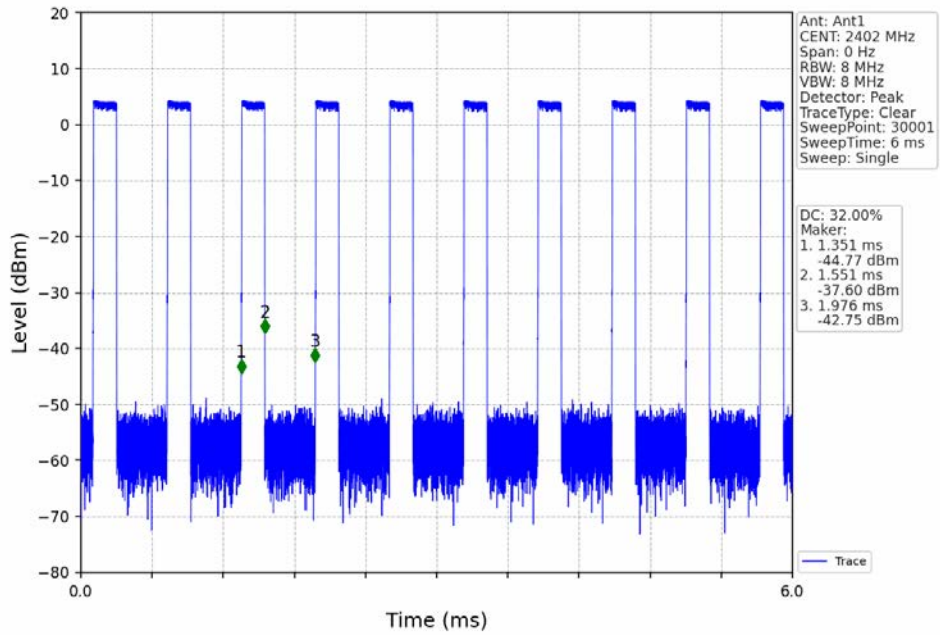
### 1.1.2 Test Graph



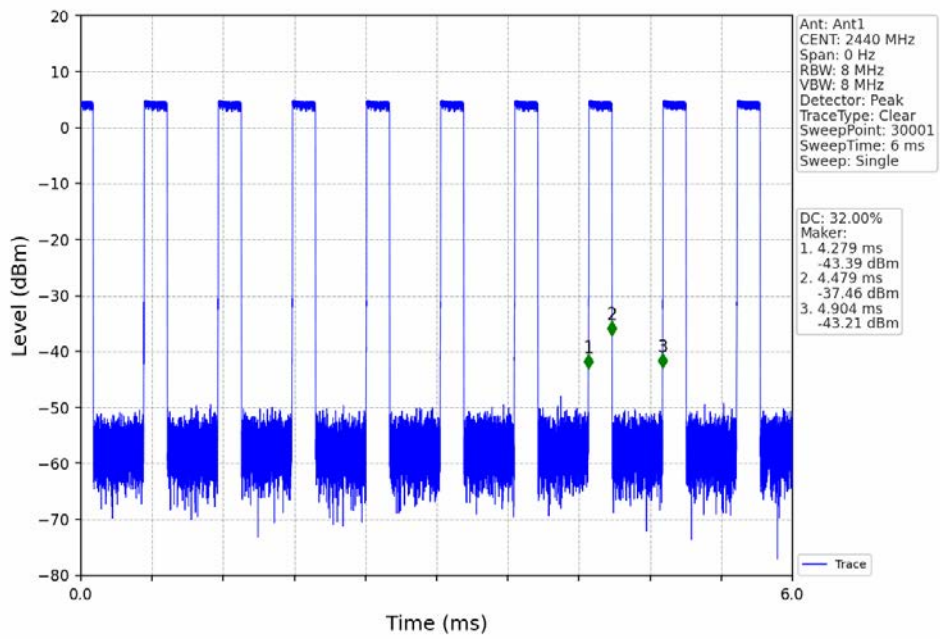
1M\_HCH\_2480MHz\_Ant1\_NTNV



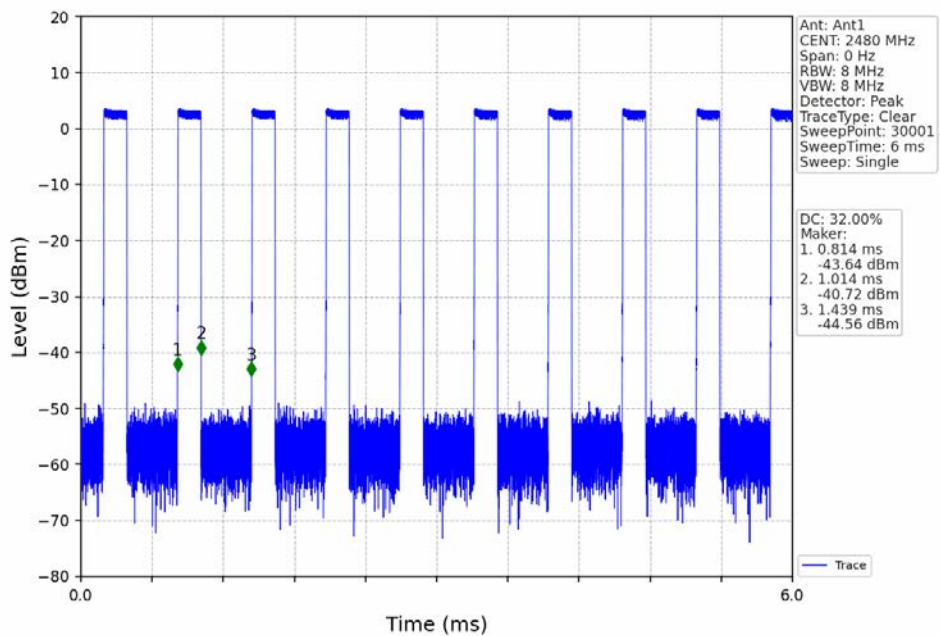
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



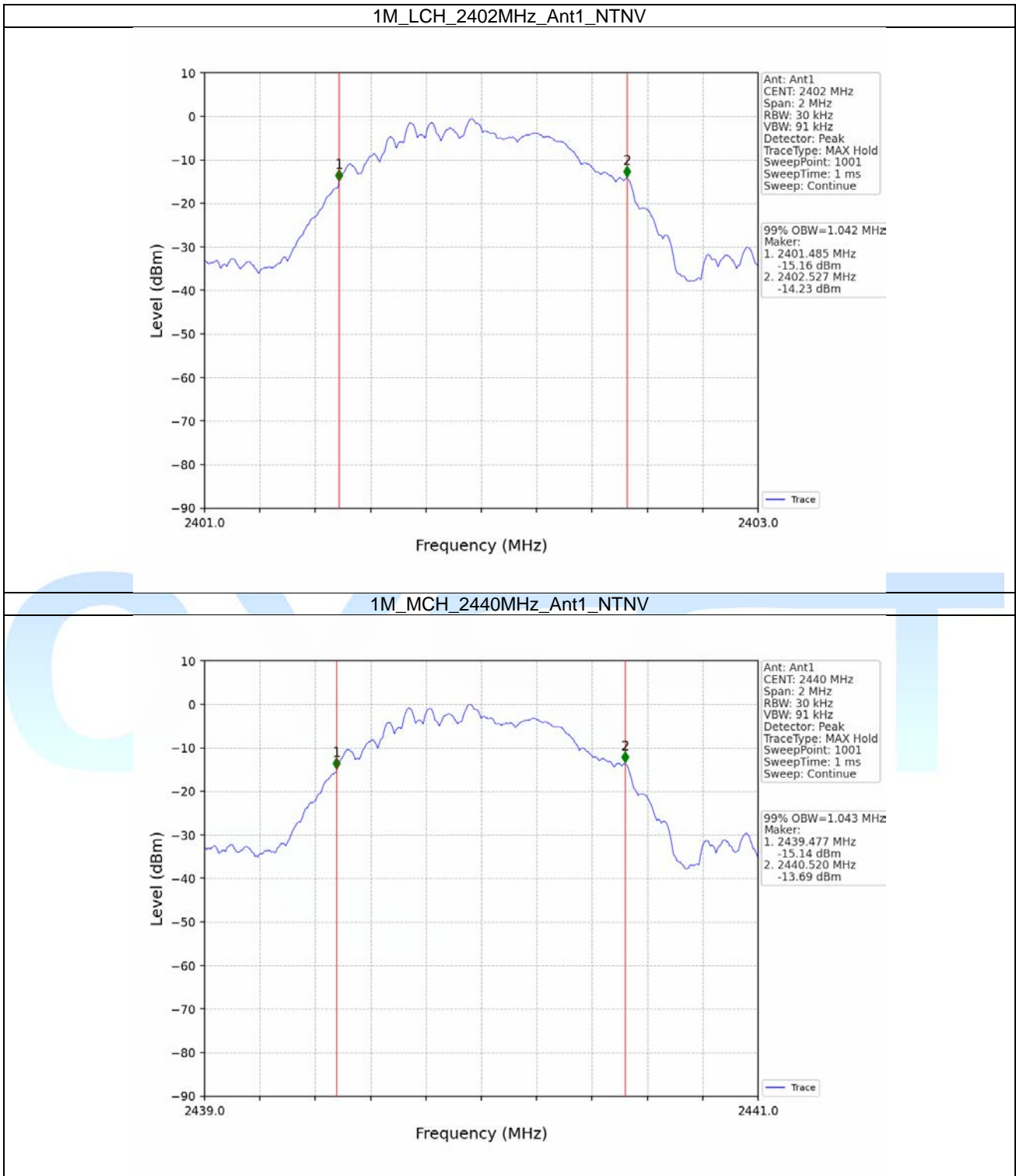
## 2. Bandwidth

### 2.1 OBW

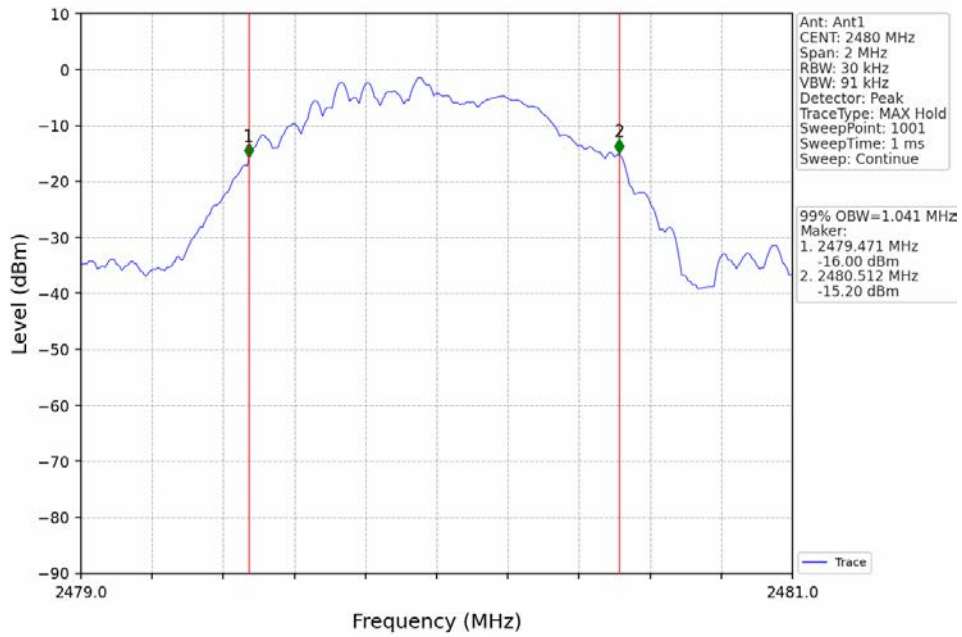
#### 2.1.1 Test Result

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	2.092	/	Pass

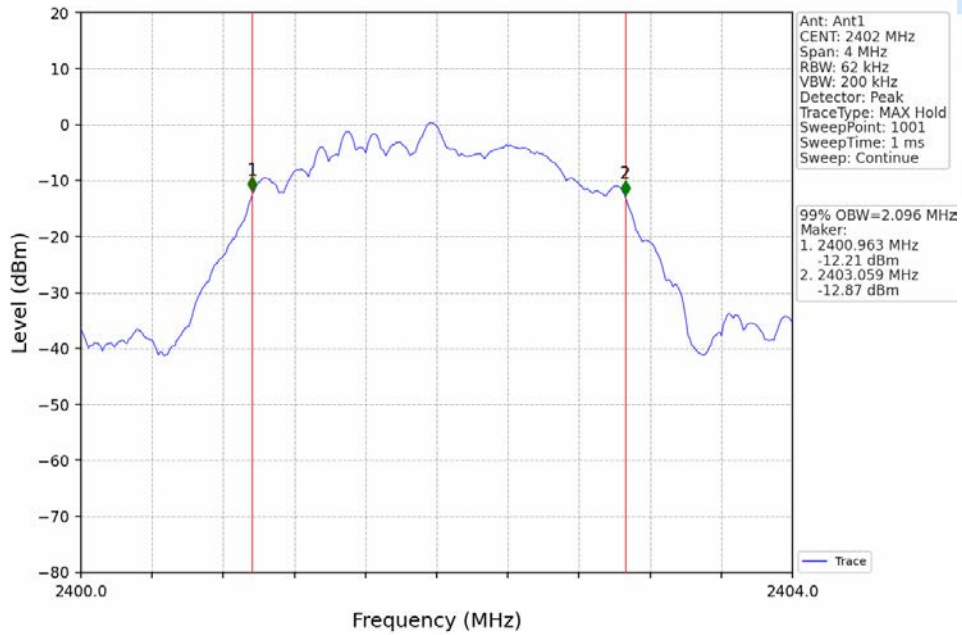
### 2.1.2 Test Graph



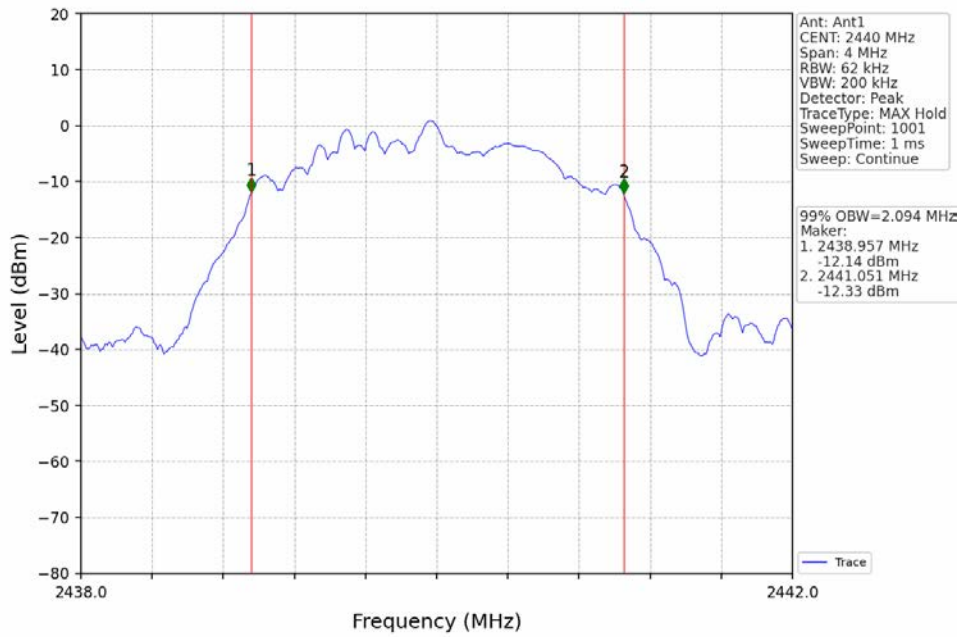
1M\_HCH\_2480MHz\_Ant1\_NTNV



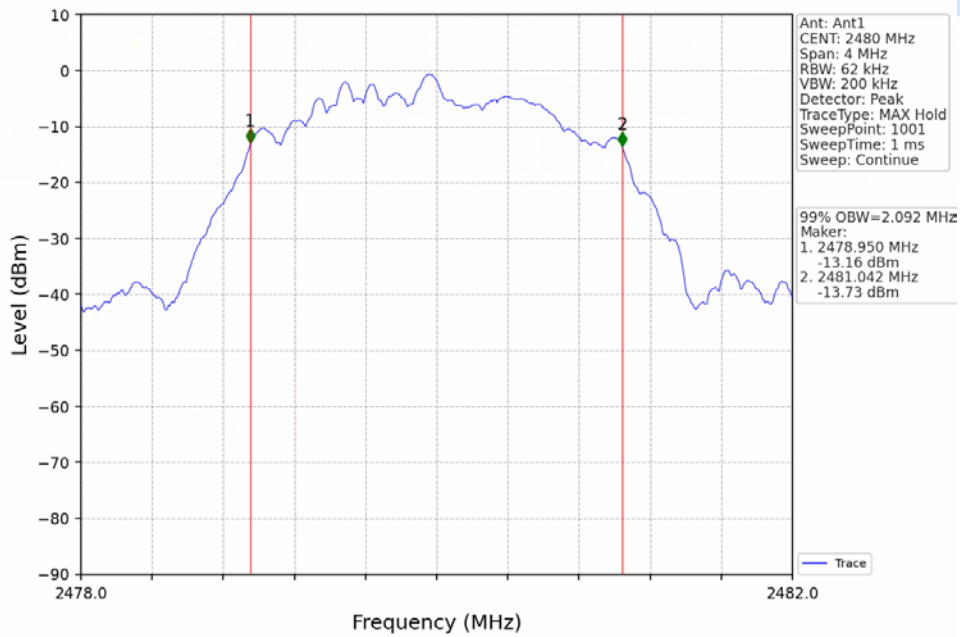
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV







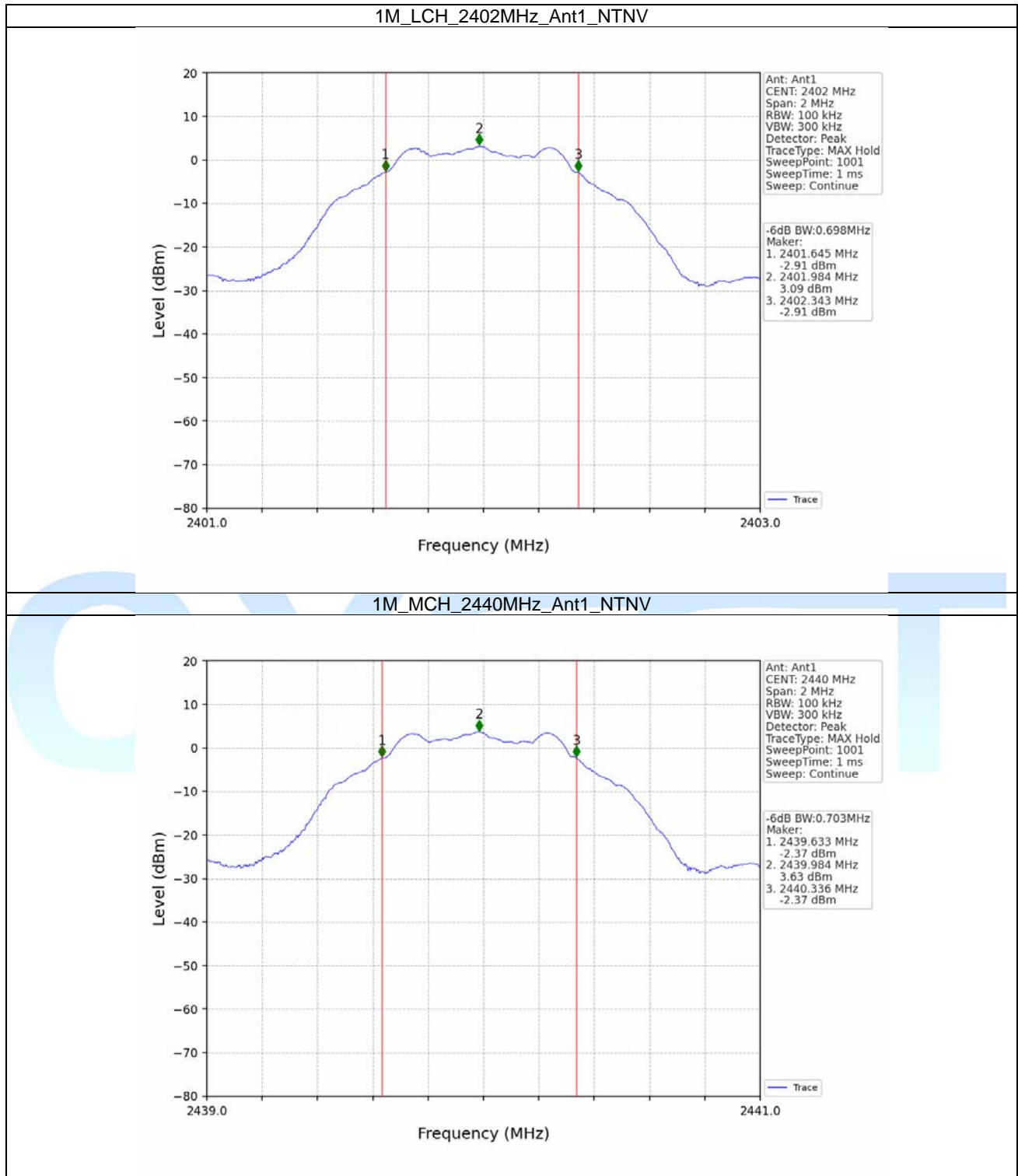
## 2.2 6dB BW

### 2.2.1 Test Result

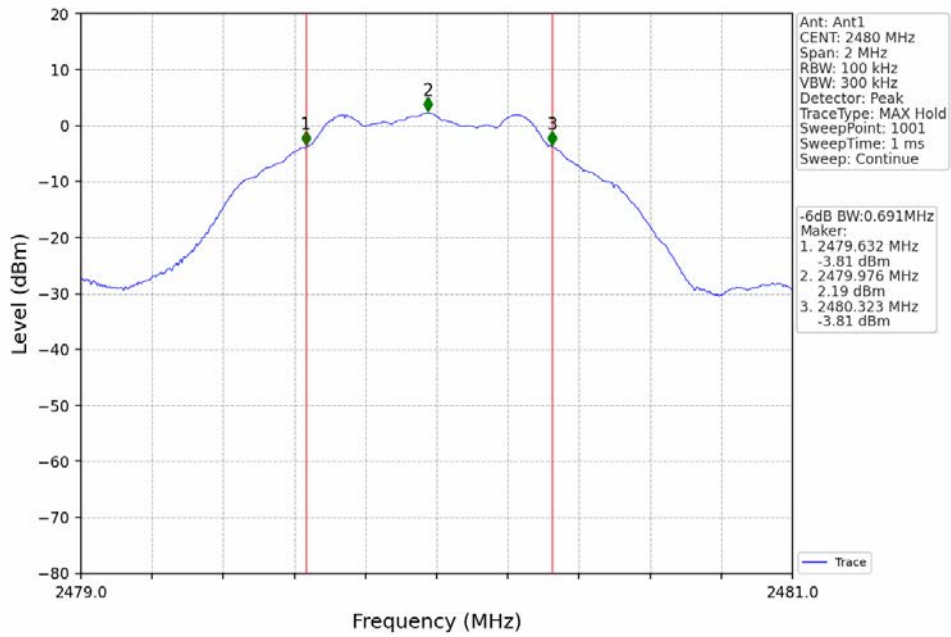
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.698	$\geq 0.5$	Pass
		2440	1	0.703	$\geq 0.5$	Pass
		2480	1	0.691	$\geq 0.5$	Pass
2M	SISO	2402	1	1.275	$\geq 0.5$	Pass
		2440	1	1.275	$\geq 0.5$	Pass
		2480	1	1.277	$\geq 0.5$	Pass



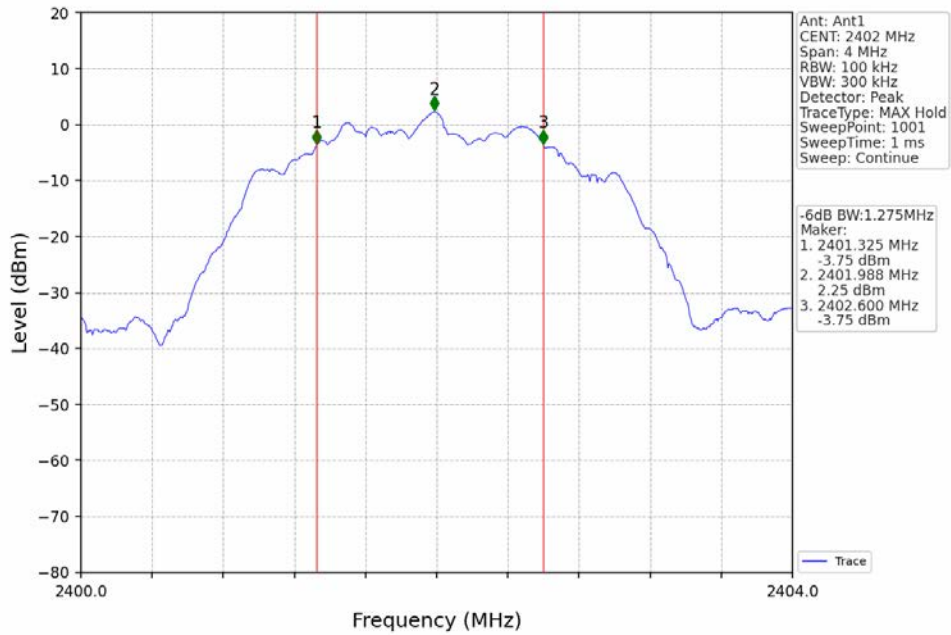
### 2.2.2 Test Graph



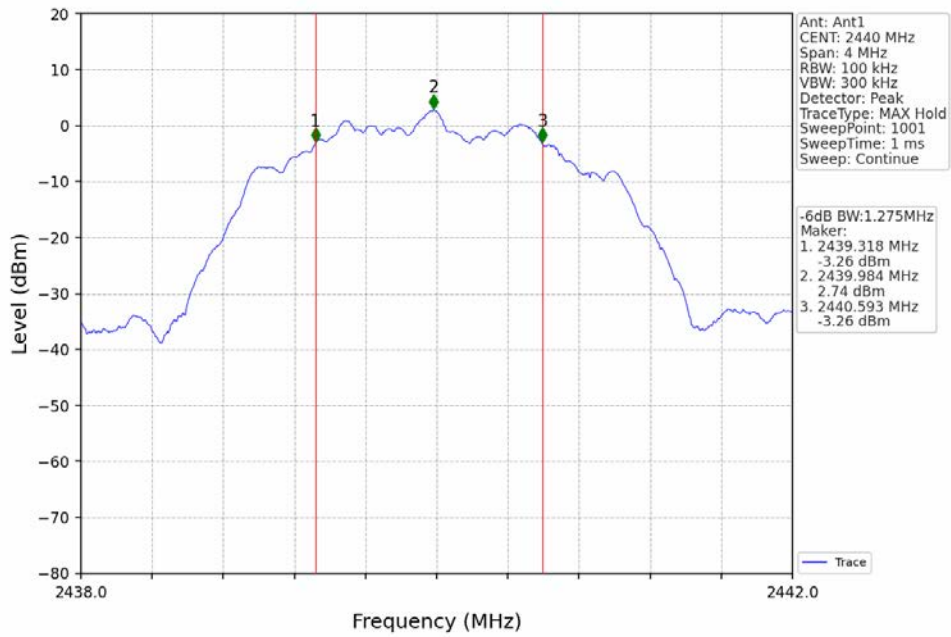
1M\_HCH\_2480MHz\_Ant1\_NTNV



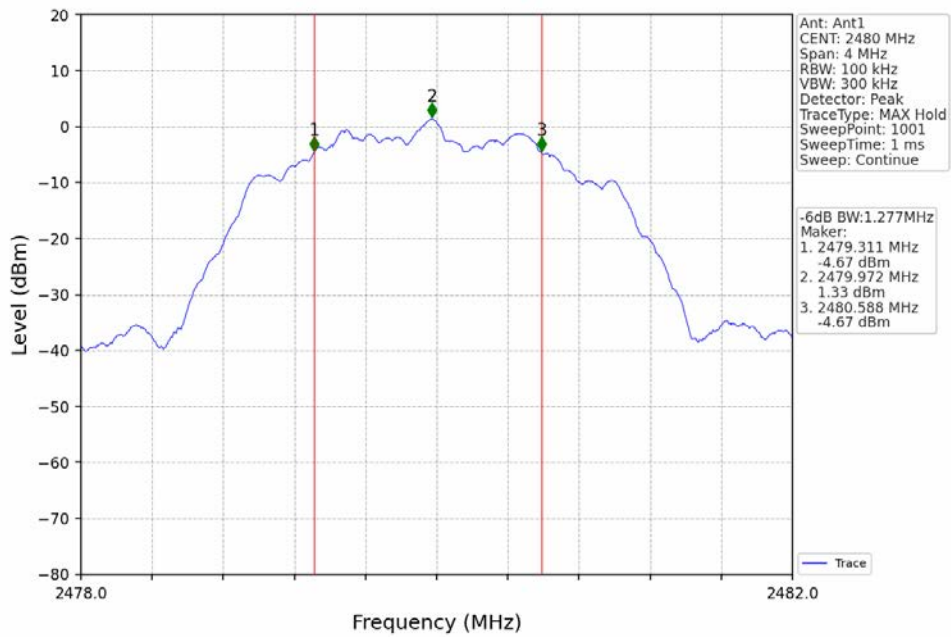
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



### 3. Maximum Conducted Output Power

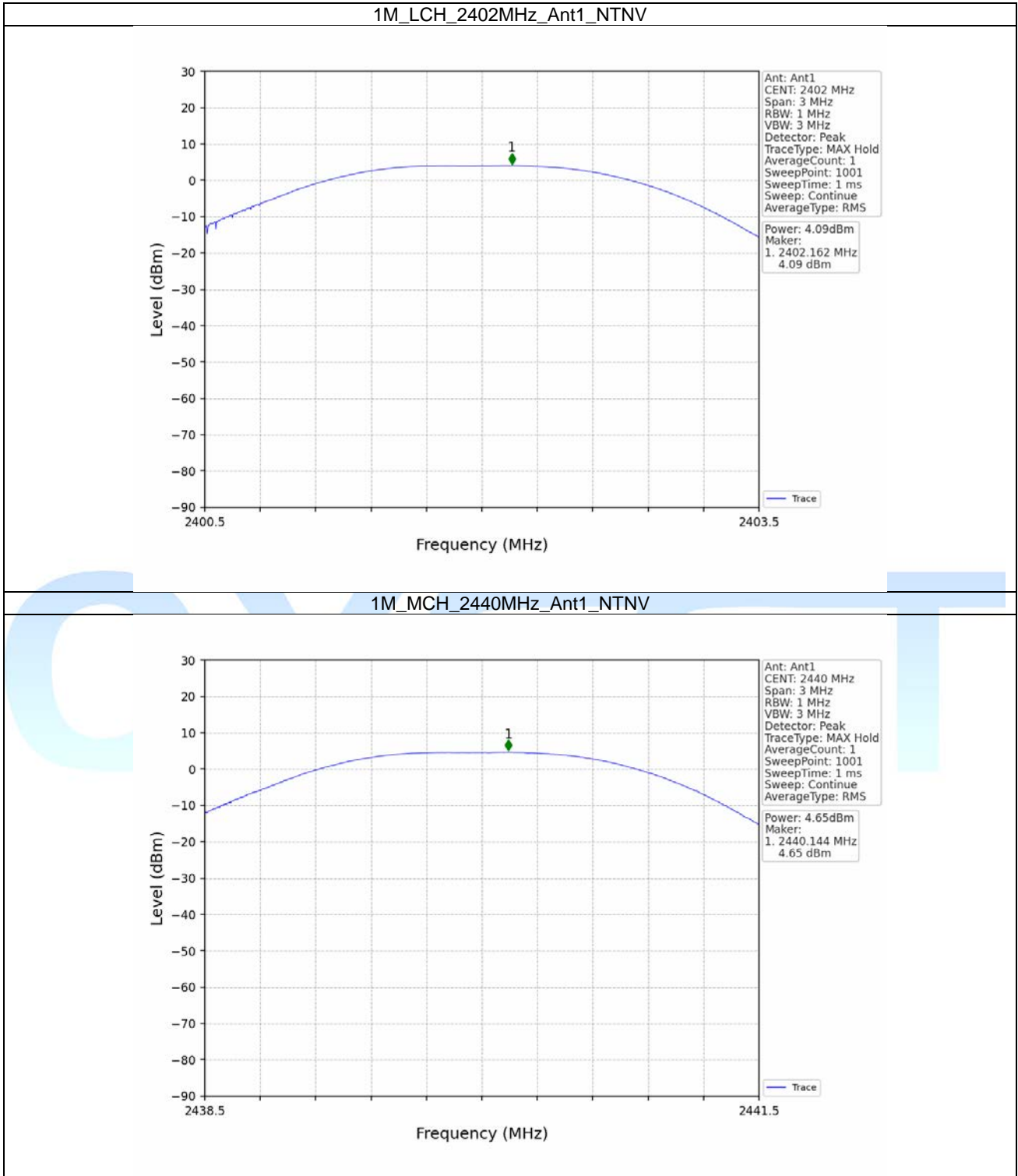
#### 3.1 Power

##### 3.1.1 Test Result

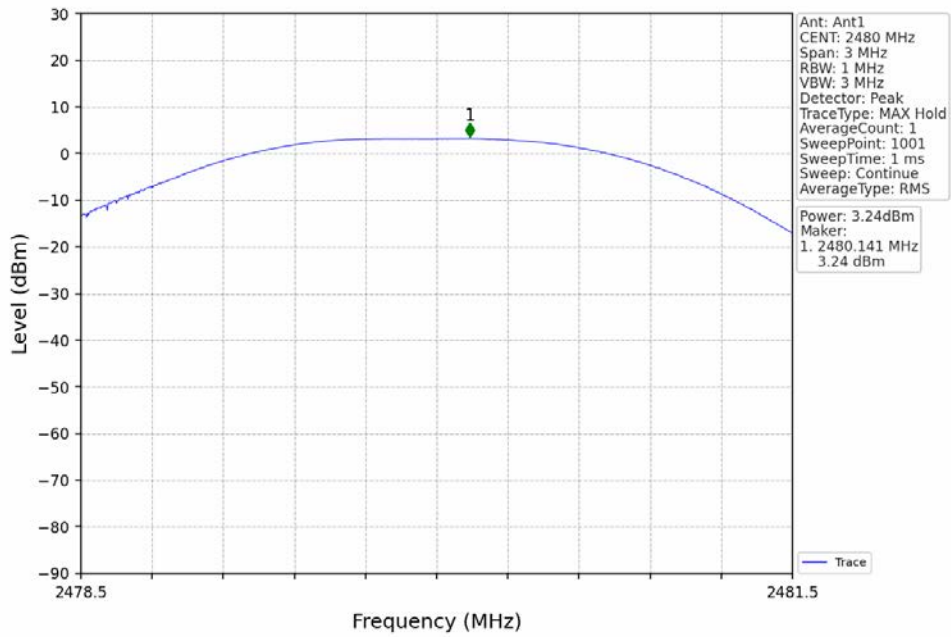
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	4.09	<=30	Pass
		2440	4.65	<=30	Pass
		2480	3.24	<=30	Pass
2M	SISO	2402	4.31	<=30	Pass
		2440	4.85	<=30	Pass
		2480	3.56	<=30	Pass

Note1: Antenna Gain: Ant1: 1.80dBi;

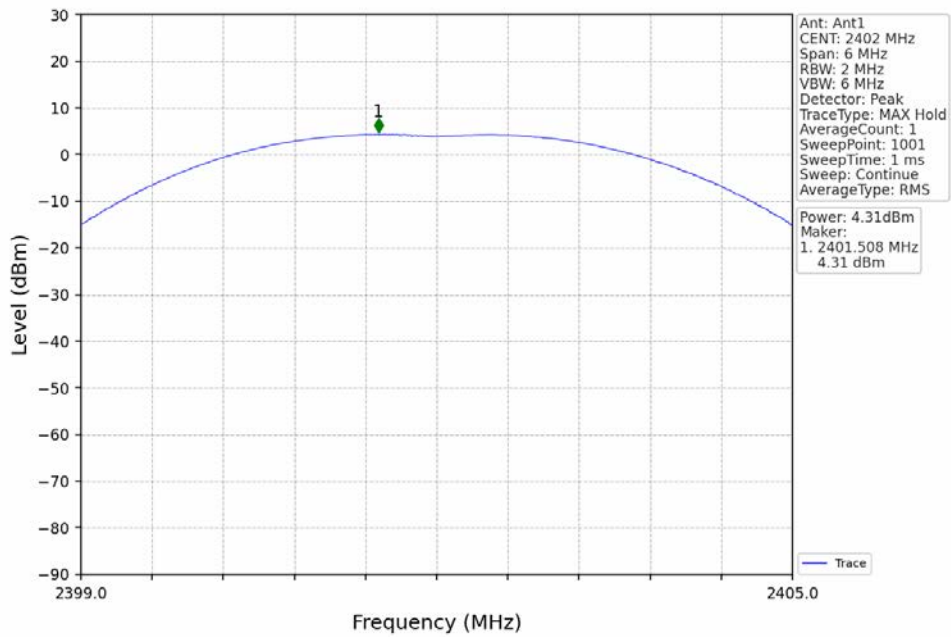
### 3.1.2 Test Graph



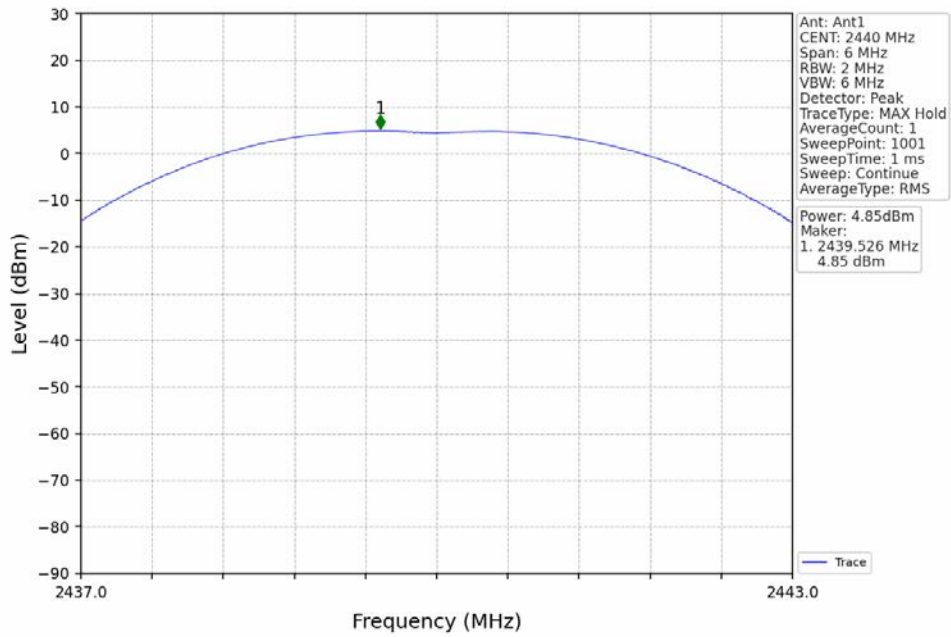
1M\_HCH\_2480MHz\_Ant1\_NTNV



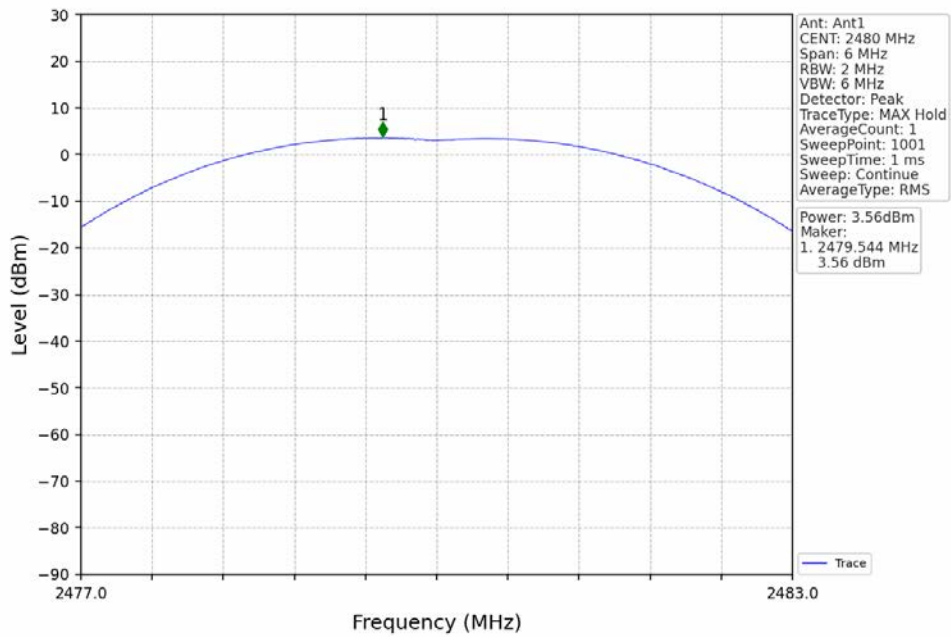
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





## 4. Maximum Power Spectral Density

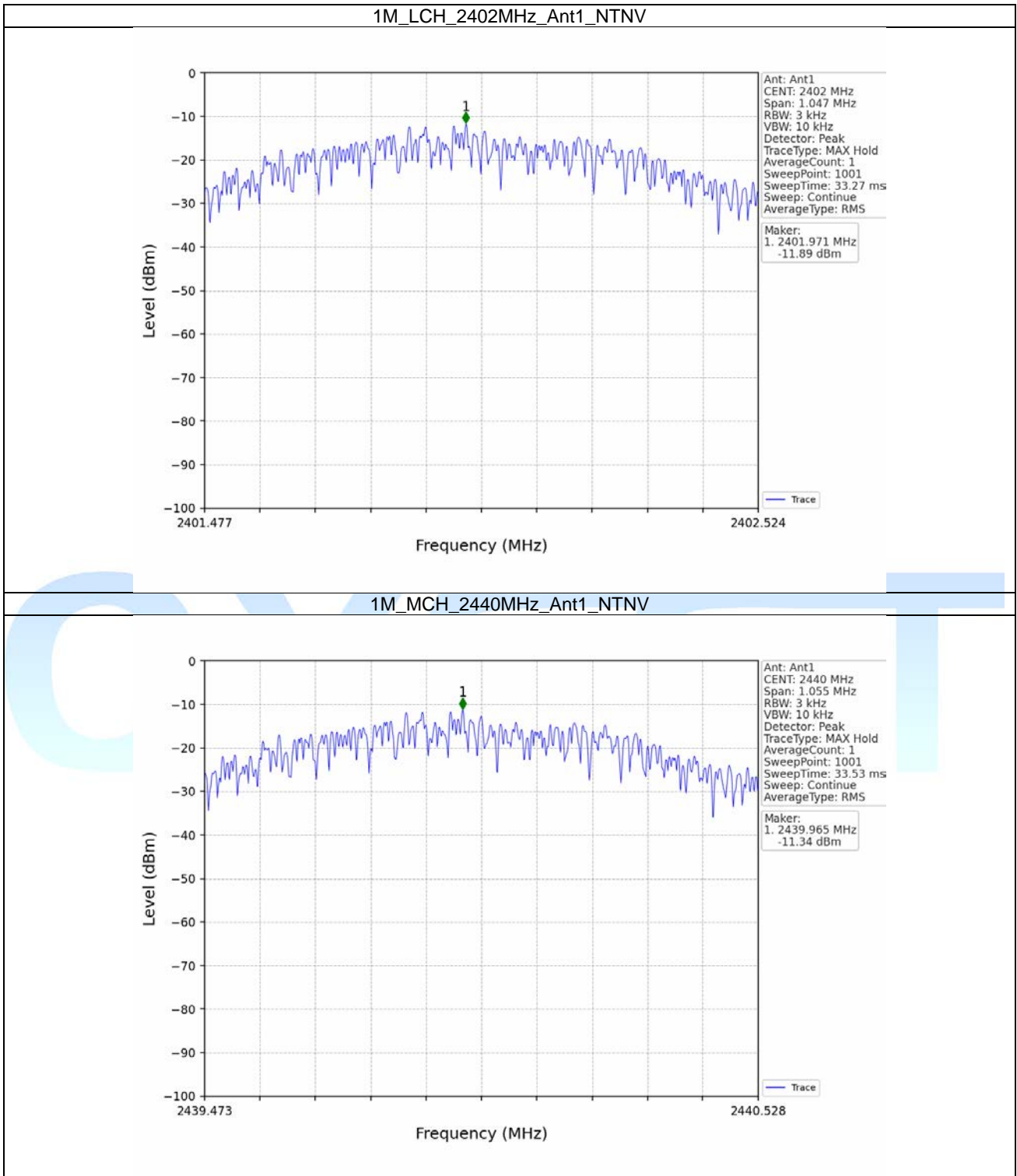
### 4.1 PSD

#### 4.1.1 Test Result

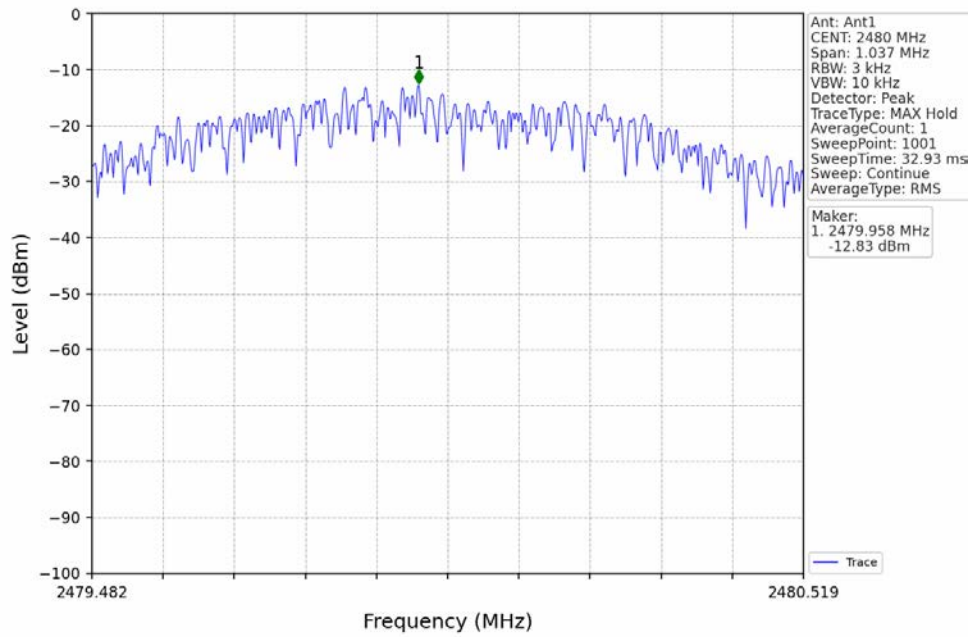
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-11.89	<=8	Pass
		2440	-11.34	<=8	Pass
		2480	-12.83	<=8	Pass
2M	SISO	2402	-14.79	<=8	Pass
		2440	-14.29	<=8	Pass
		2480	-15.72	<=8	Pass

Note1: Antenna Gain: Ant1: 1.80dBi;

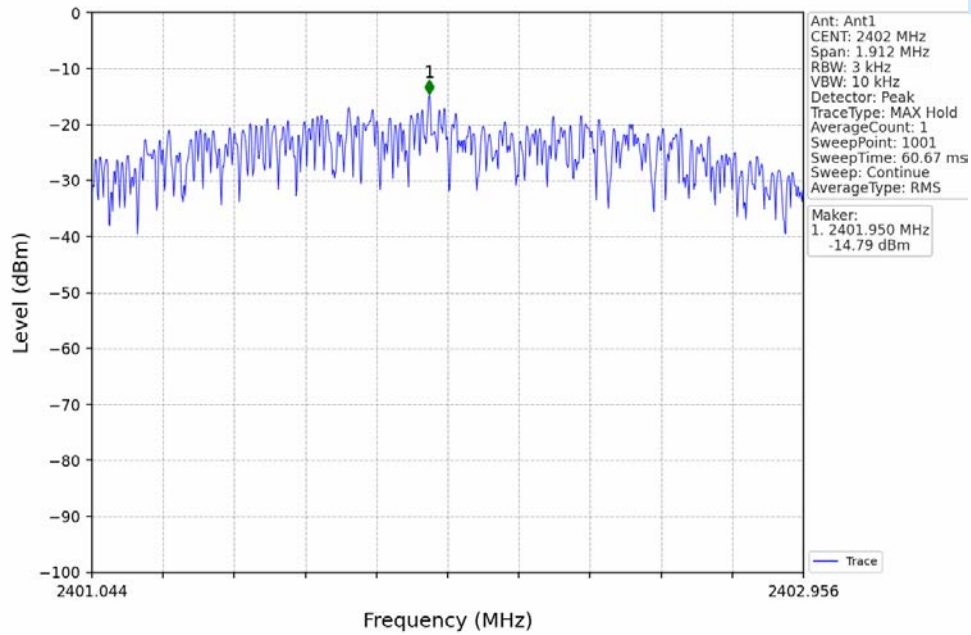
### 4.1.2 Test Graph



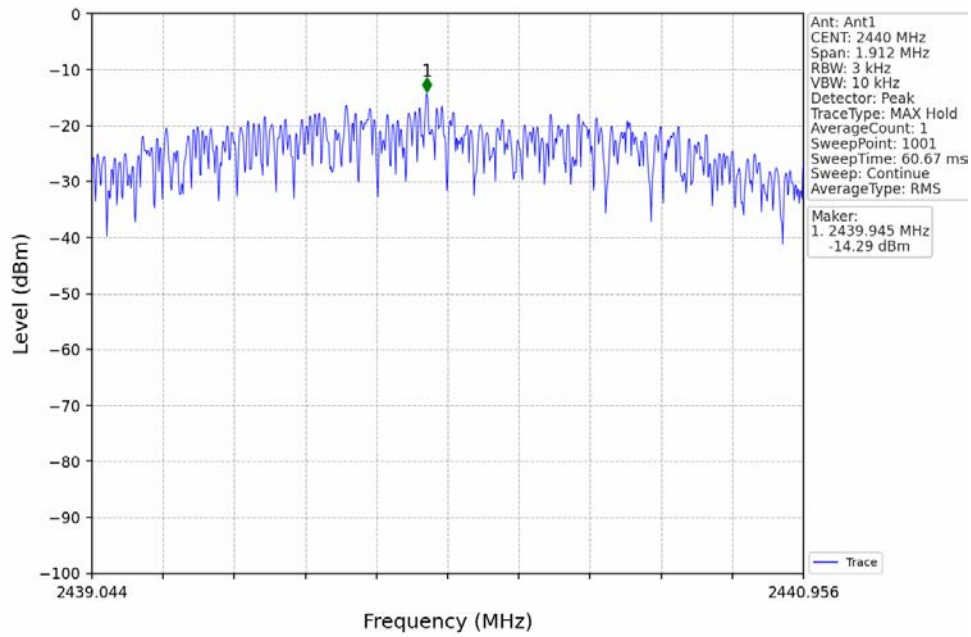
1M\_HCH\_2480MHz\_Ant1\_NTNV



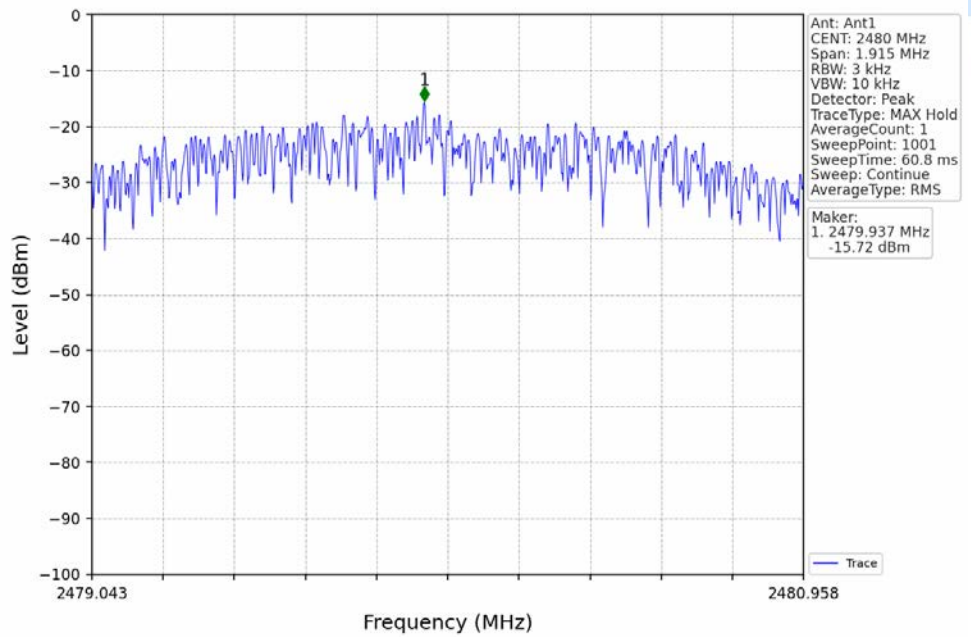
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



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

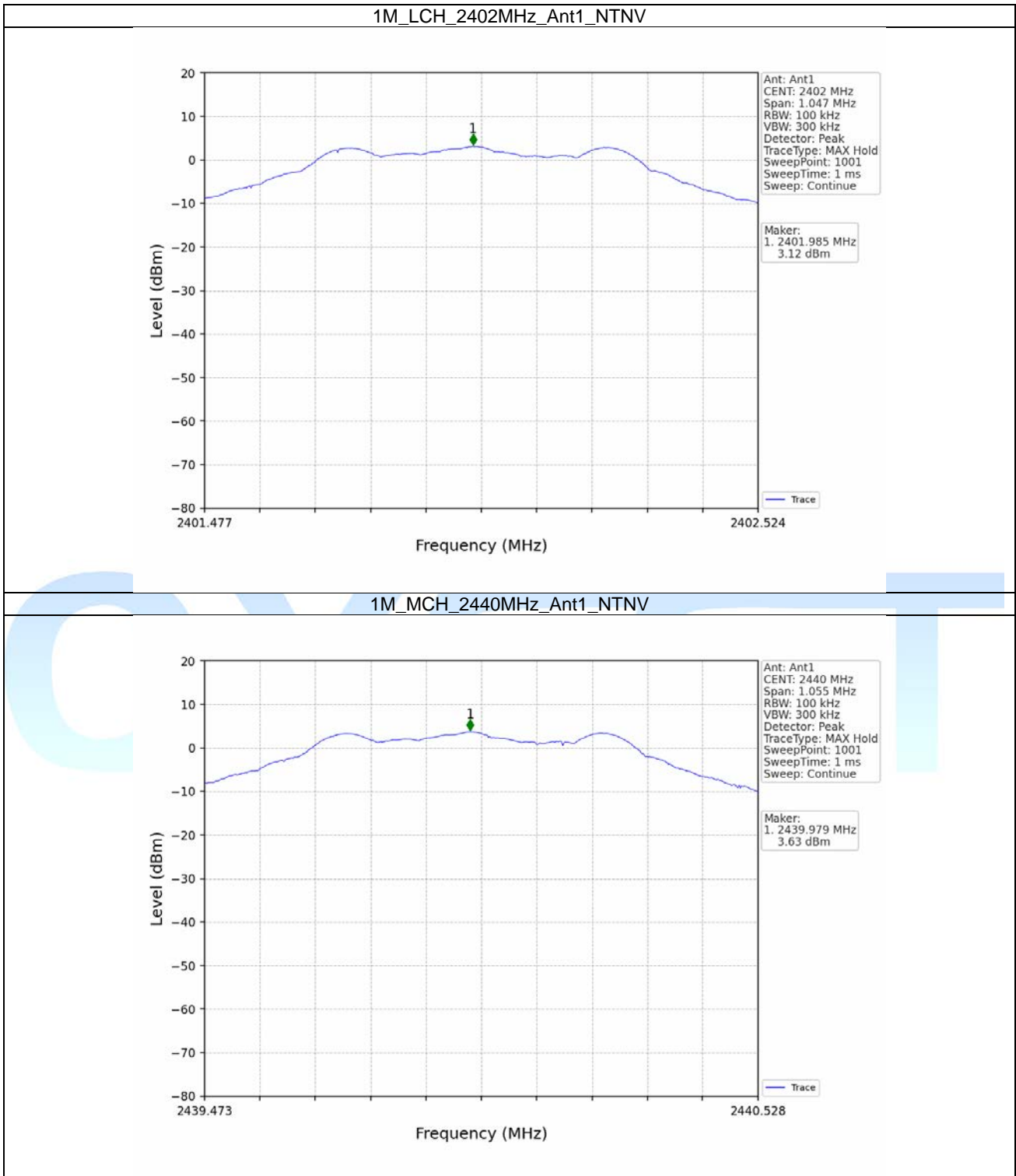
### 5.1 Ref

#### 5.1.1 Test Result

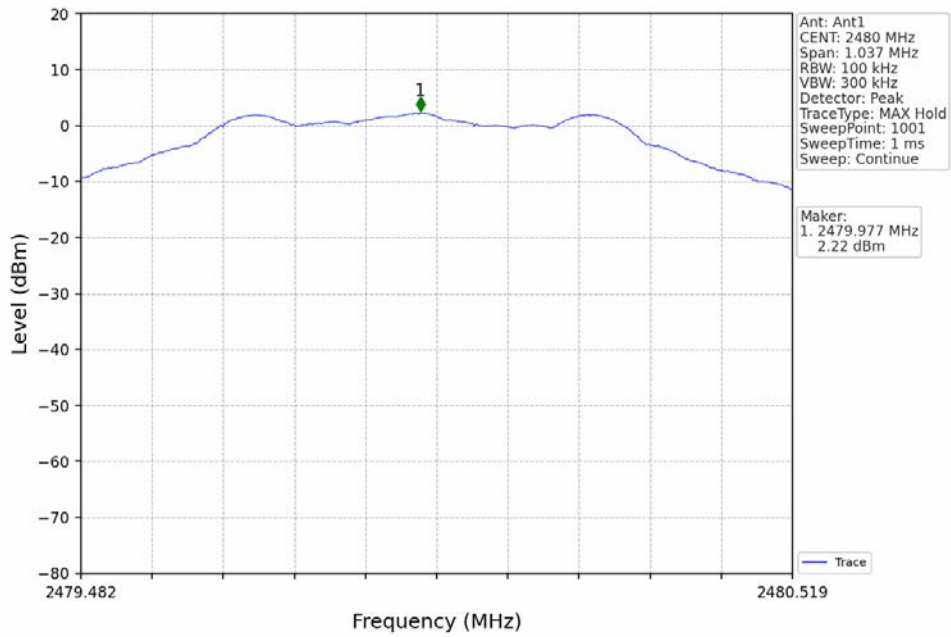
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	3.12
		2440	1	<b>3.63</b>
		2480	1	2.22
2M	SISO	2402	1	2.25
		2440	1	<b>2.77</b>
		2480	1	1.32

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.

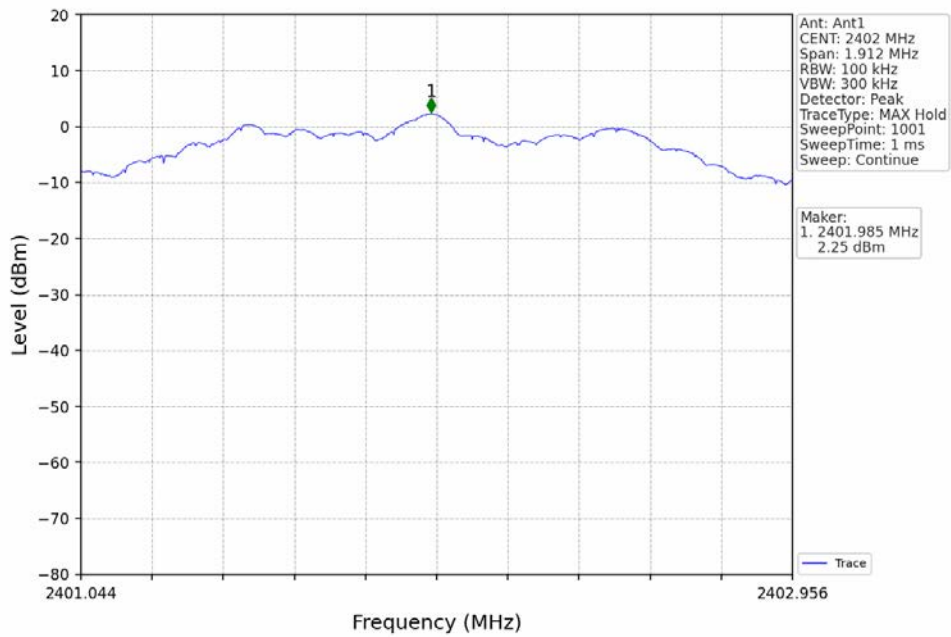
### 5.1.2 Test Graph



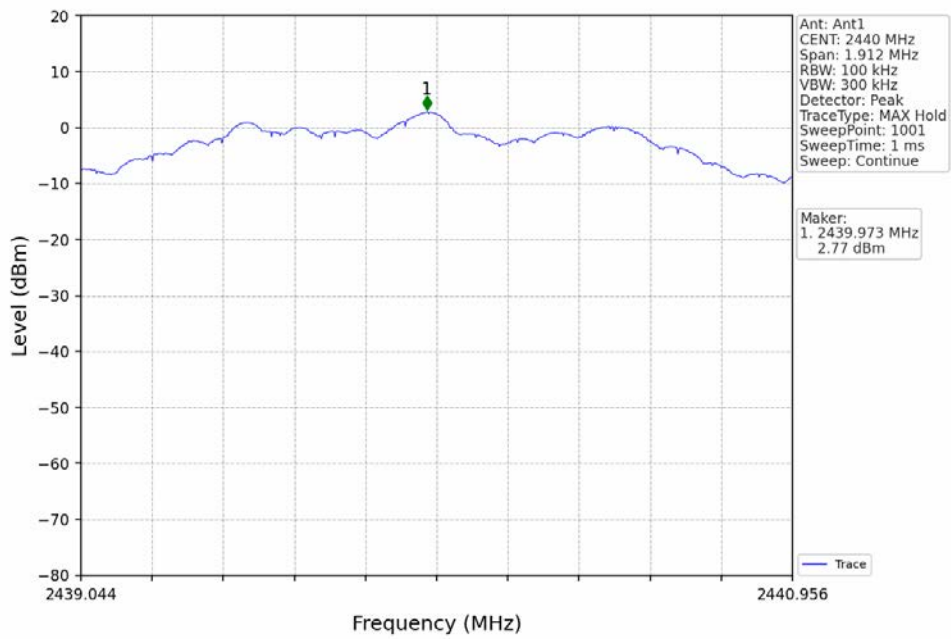
1M\_HCH\_2480MHz\_Ant1\_NTNV



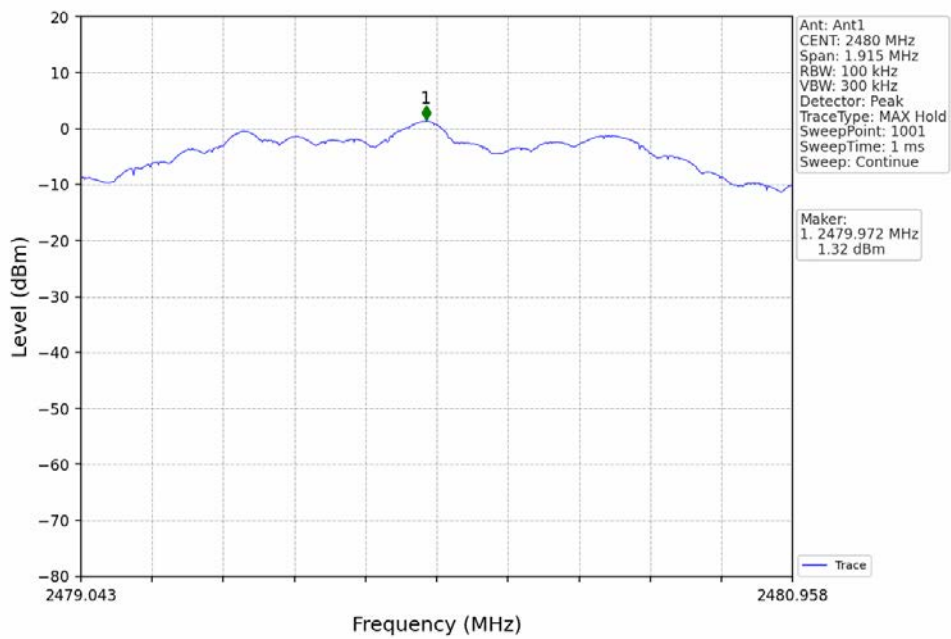
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





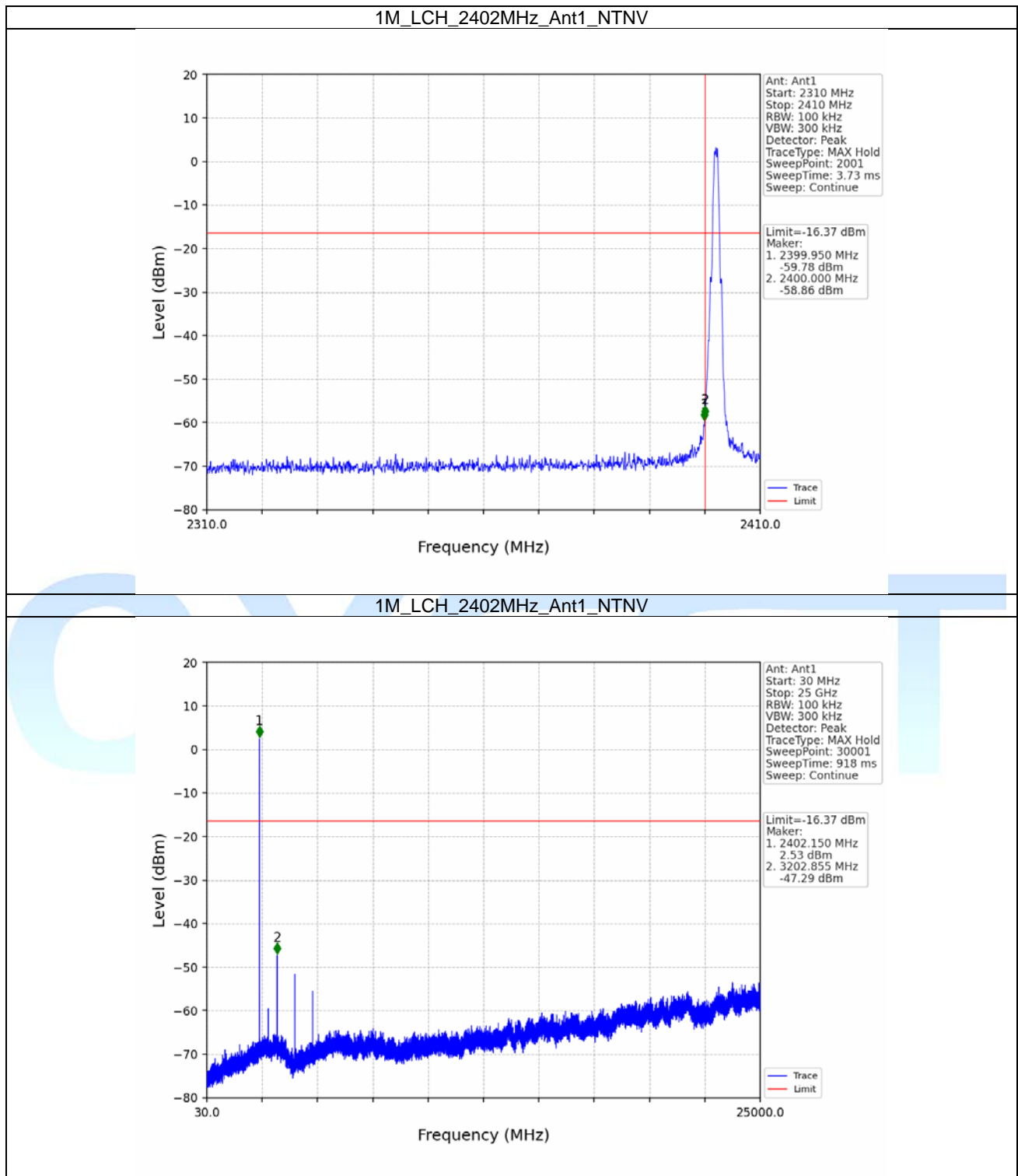
## 5.2 CSE

### 5.2.1 Test Result

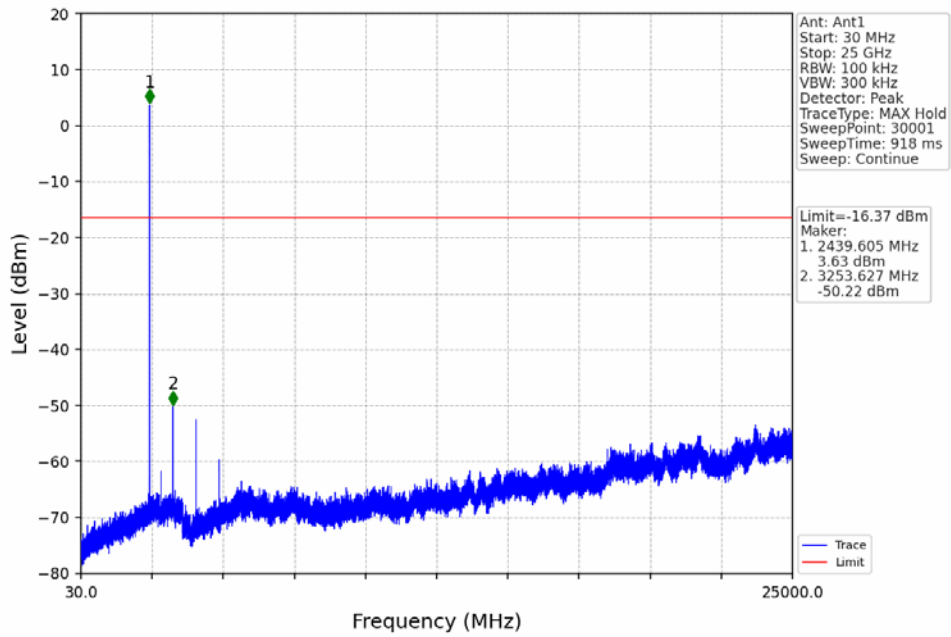
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	3.63	-16.37	Pass
		2440	1	3.63	-16.37	Pass
		2480	1	3.63	-16.37	Pass
2M	SISO	2402	1	2.77	-17.23	Pass
		2440	1	2.77	-17.23	Pass
		2480	1	2.77	-17.23	Pass

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.

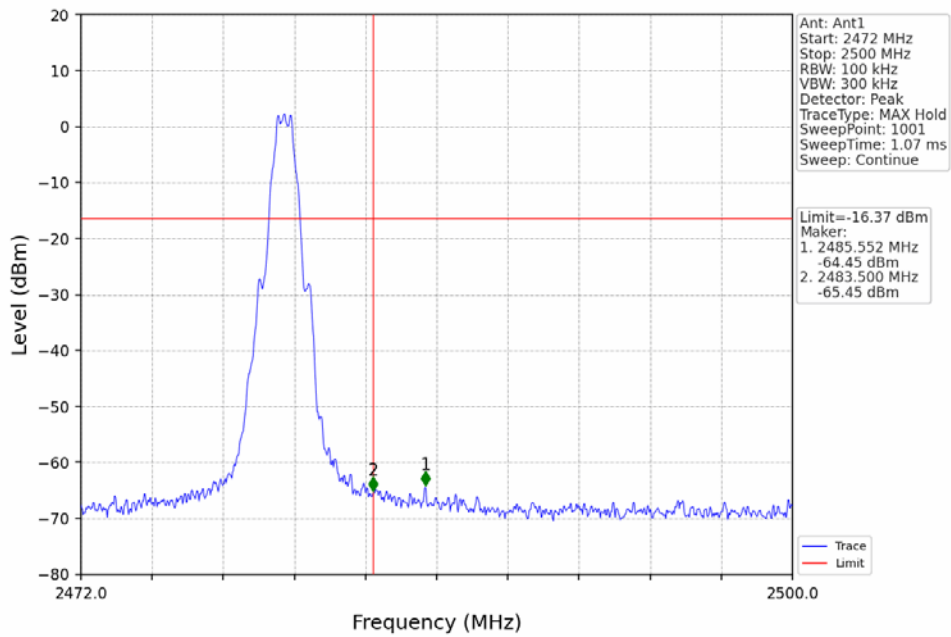
### 5.2.2 Test Graph



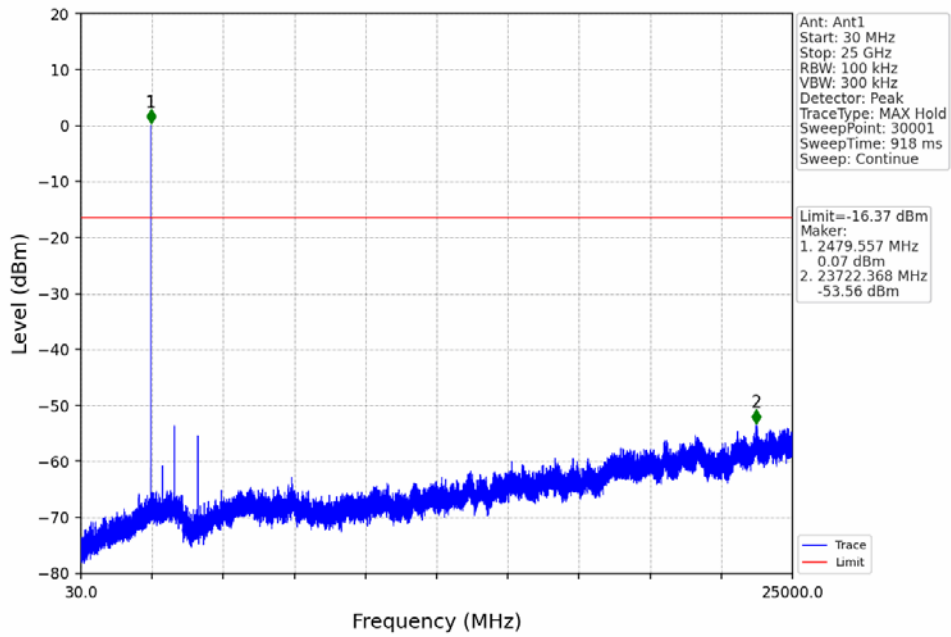
1M\_MCH\_2440MHz\_Ant1\_NTNV



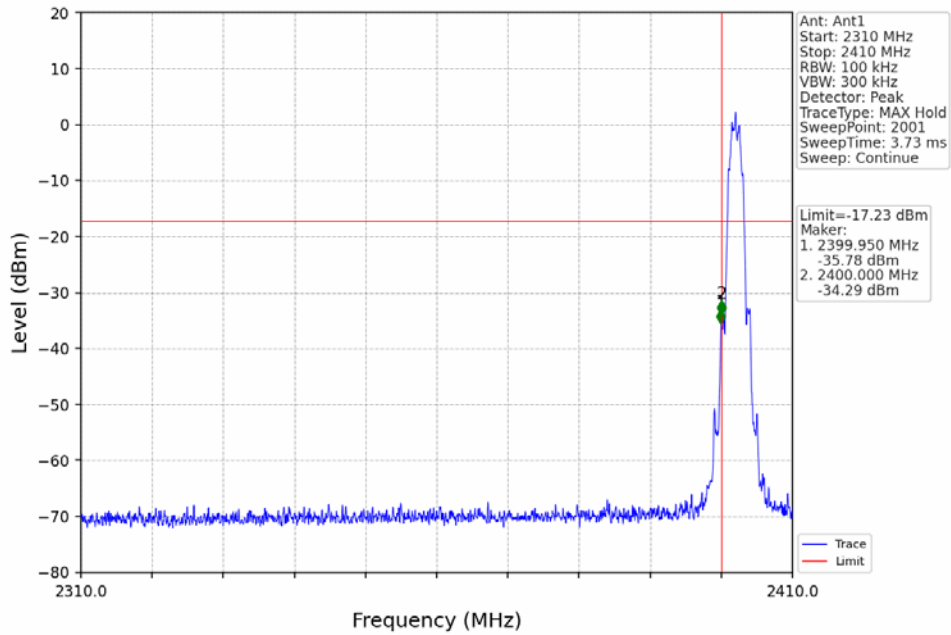
1M\_HCH\_2480MHz\_Ant1\_NTNV



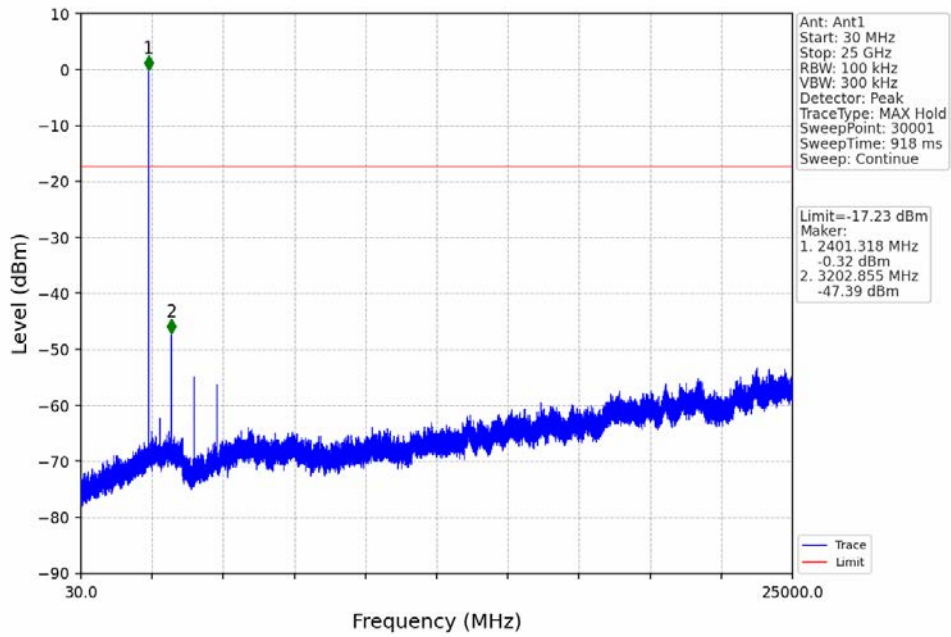
1M\_HCH\_2480MHz\_Ant1\_NTNV



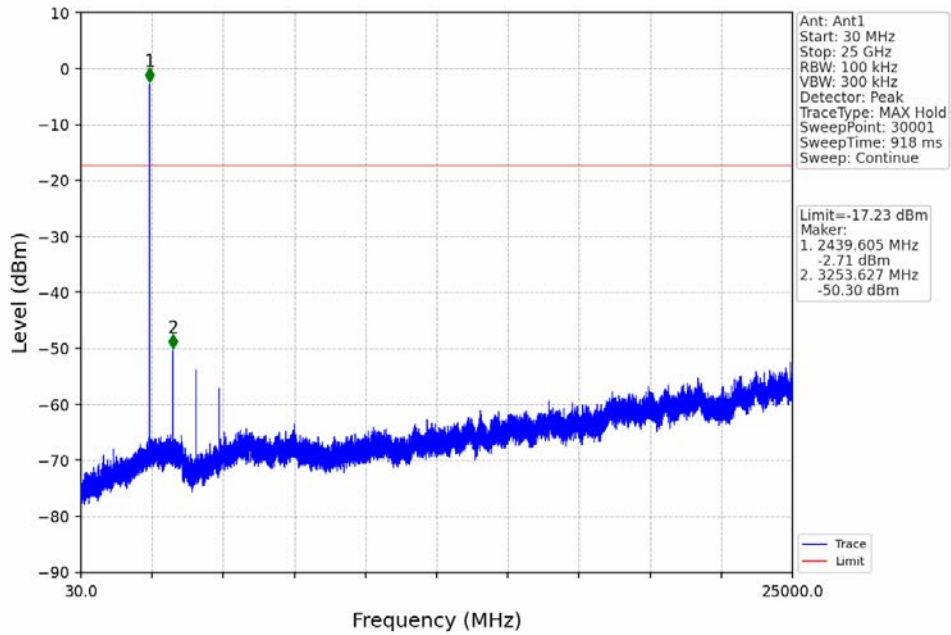
2M\_LCH\_2402MHz\_Ant1\_NTNV



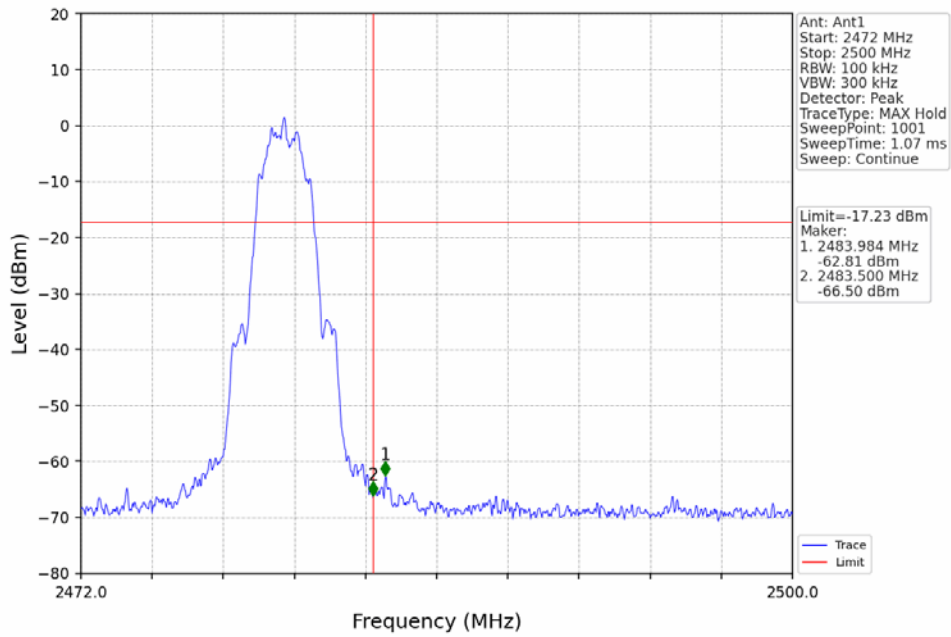
2M\_LCH\_2402MHz\_Ant1\_NTNV



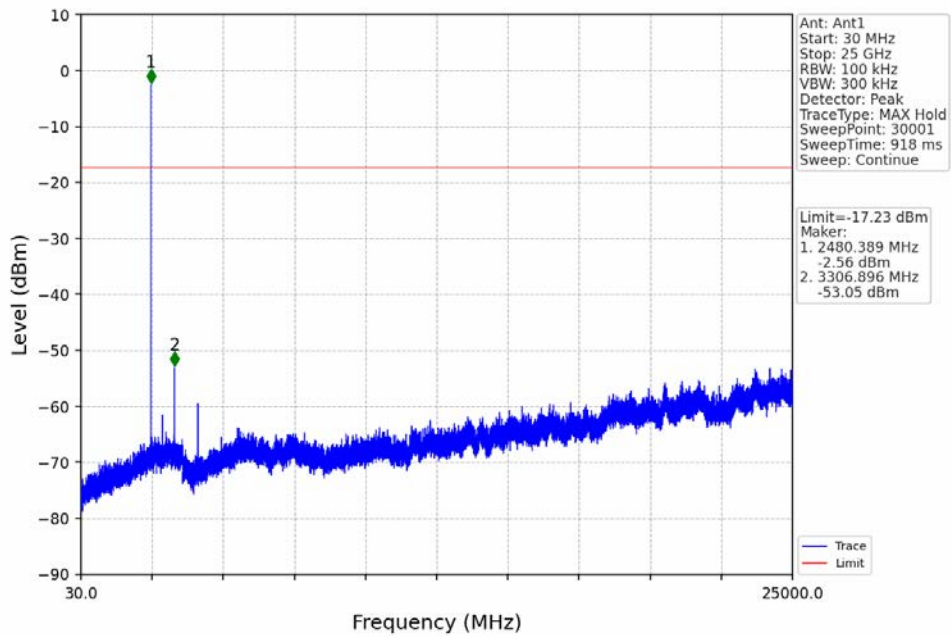
2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



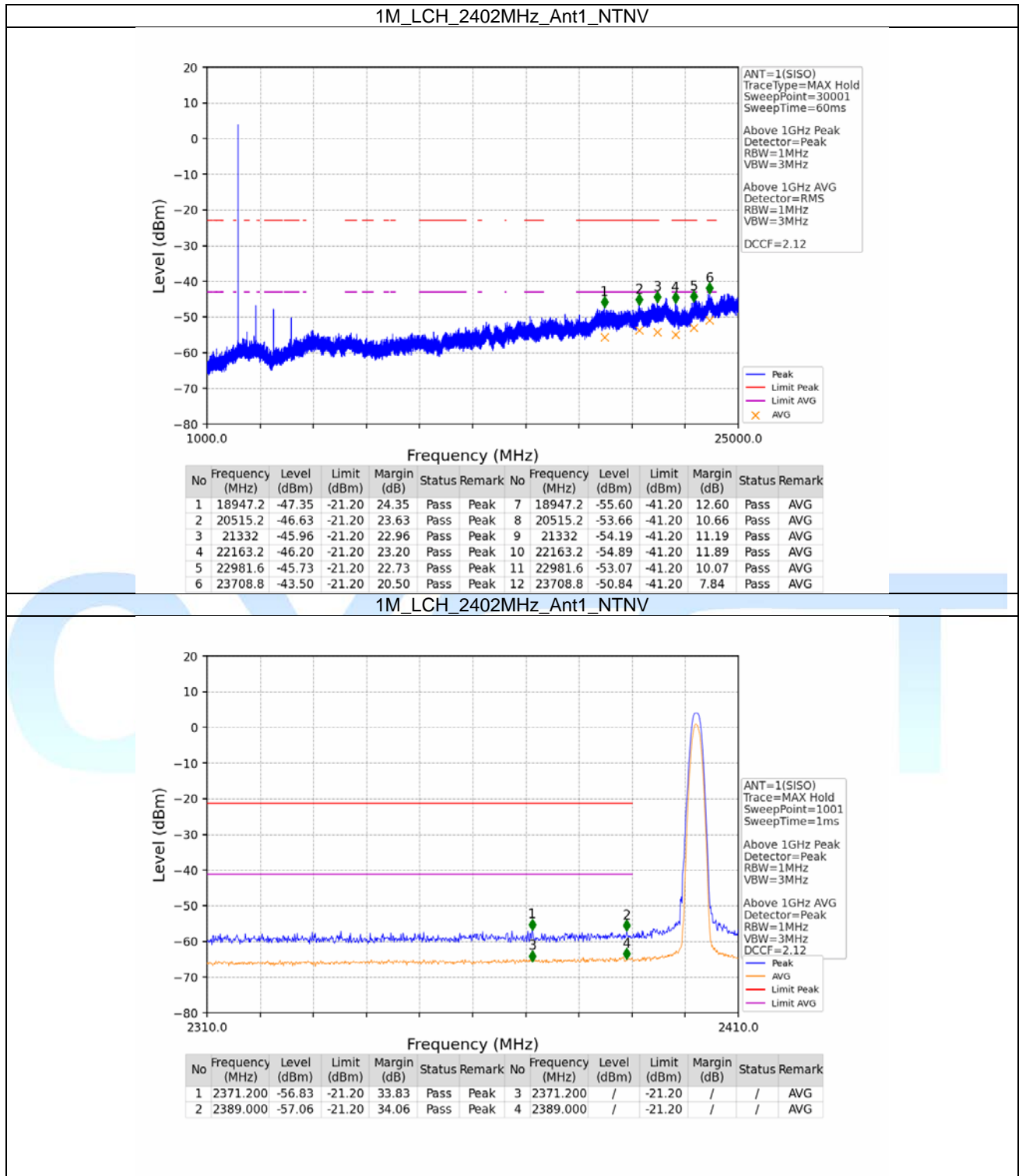
## 6. Unwanted Emissions In Restricted Frequency Bands

### 6.1 RSE

#### 6.1.1 Test Result

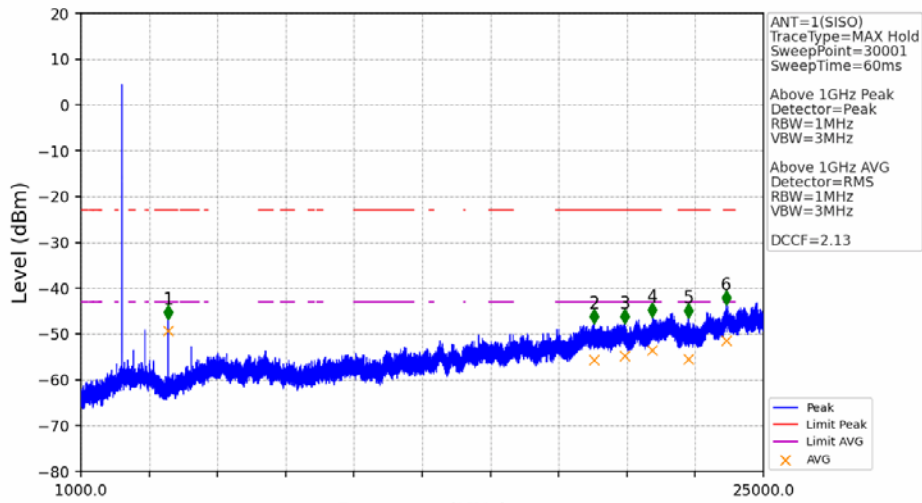
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
1M	SISO	2402	1	Refer To Test Graph	Pass	
		2440	1	Refer To Test Graph	Pass	
		2480	1	Refer To Test Graph	Pass	
2M	SISO	2402	1	Refer To Test Graph	Pass	
		2440	1	Refer To Test Graph	Pass	
		2480	1	Refer To Test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

### 6.1.2 Test Graph



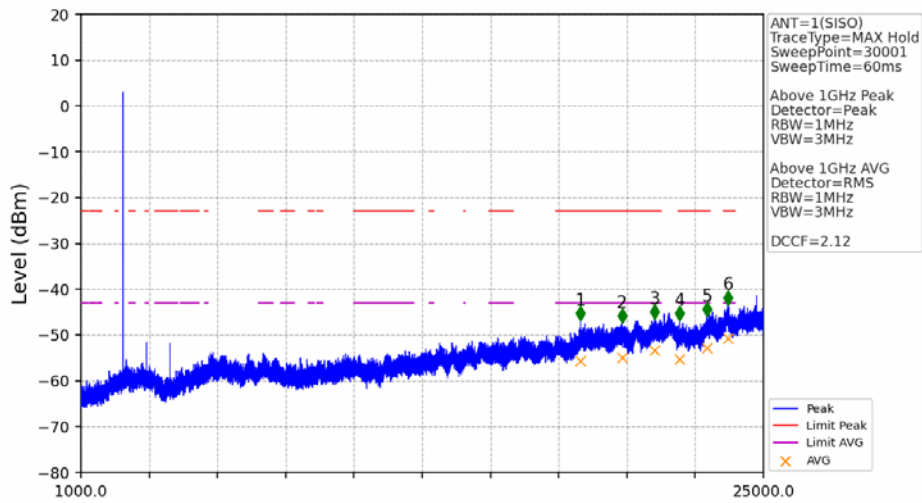


1M\_MCH\_2440MHz\_Ant1\_NTNV



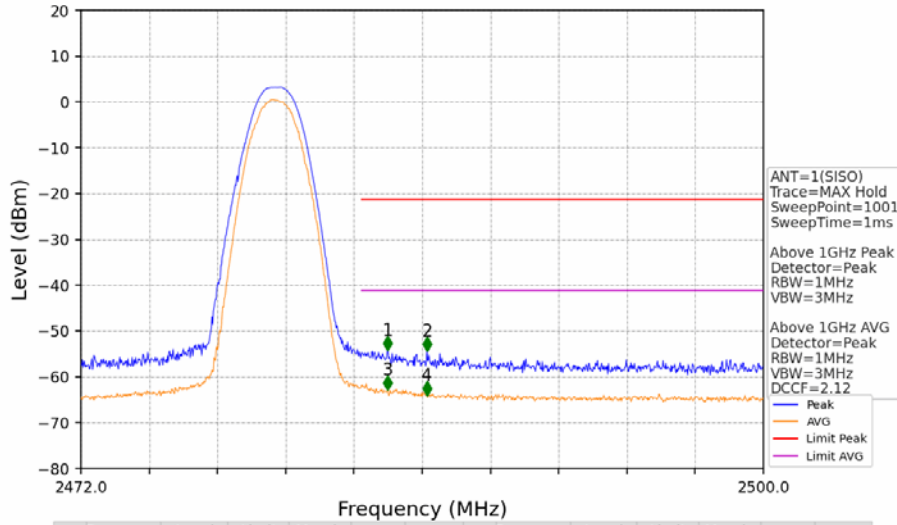
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4067.2	-46.81	-21.20	23.82	Pass	Peak	7	4067.2	-49.32	-41.20	6.32	Pass	AVG
2	19042.4	-47.68	-21.20	24.68	Pass	Peak	8	19042.4	-55.66	-41.20	12.66	Pass	AVG
3	20122.4	-47.71	-21.20	24.71	Pass	Peak	9	20122.4	-54.78	-41.20	11.78	Pass	AVG
4	21099.2	-46.30	-21.20	23.30	Pass	Peak	10	21099.2	-53.53	-41.20	10.53	Pass	AVG
5	22363.2	-46.53	-21.20	23.53	Pass	Peak	11	22363.2	-55.43	-41.20	12.43	Pass	AVG
6	23682.4	-43.72	-21.20	20.72	Pass	Peak	12	23682.4	-51.37	-41.20	8.37	Pass	AVG

1M\_HCH\_2480MHz\_Ant1\_NTNV



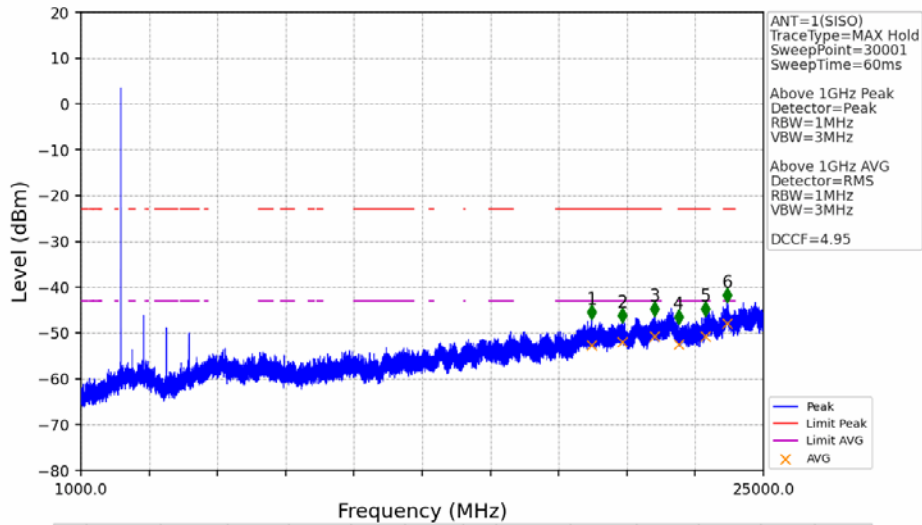
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18573.6	-46.87	-21.20	23.87	Pass	Peak	7	18573.6	-55.58	-41.20	12.58	Pass	AVG
2	20021.6	-47.44	-21.20	24.44	Pass	Peak	8	20021.6	-54.91	-41.20	11.91	Pass	AVG
3	21175.2	-46.50	-21.20	23.50	Pass	Peak	9	21175.2	-53.35	-41.20	10.35	Pass	AVG
4	22059.2	-46.87	-21.20	23.87	Pass	Peak	10	22059.2	-55.28	-41.20	12.28	Pass	AVG
5	23007.2	-45.96	-21.20	22.96	Pass	Peak	11	23007.2	-52.77	-41.20	9.77	Pass	AVG
6	23744	-43.40	-21.20	20.40	Pass	Peak	12	23744	-50.71	-41.20	7.71	Pass	AVG

1M\_HCH\_2480MHz\_Ant1\_NTNV



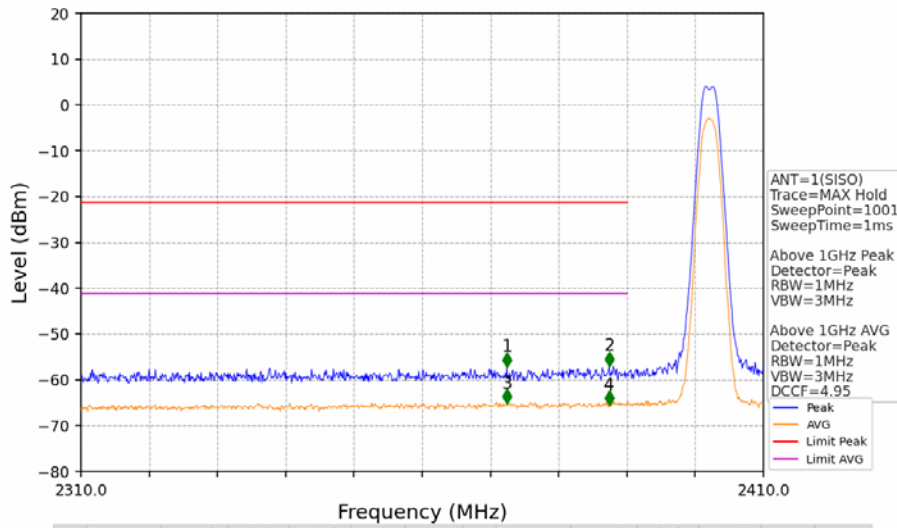
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2484.572	-54.28	-21.20	31.28	Pass	Peak	3	2484.572	/	-21.20	/	/	AVG
2	2486.196	-54.39	-21.20	31.39	Pass	Peak	4	2486.196	/	-21.20	/	/	AVG

2M\_LCH\_2402MHz\_Ant1\_NTNV



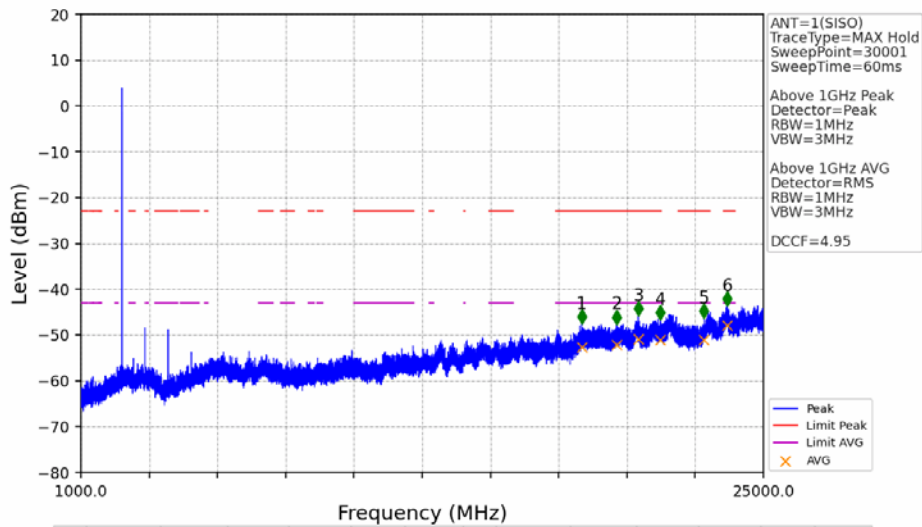
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18962.4	-47.10	-21.20	24.10	Pass	Peak	7	18962.4	-52.58	-41.20	9.58	Pass	AVG
2	20038.4	-47.69	-21.20	24.69	Pass	Peak	8	20038.4	-52.04	-41.20	9.04	Pass	AVG
3	21160.8	-46.30	-21.20	23.30	Pass	Peak	9	21160.8	-50.69	-41.20	7.69	Pass	AVG
4	22013.6	-48.14	-21.20	25.14	Pass	Peak	10	22013.6	-52.43	-41.20	9.43	Pass	AVG
5	22944.8	-46.32	-21.20	23.32	Pass	Peak	11	22944.8	-50.70	-41.20	7.70	Pass	AVG
6	23715.2	-43.27	-21.20	20.27	Pass	Peak	12	23715.2	-47.96	-41.20	4.96	Pass	AVG

2M\_LCH\_2402MHz\_Ant1\_NTNV



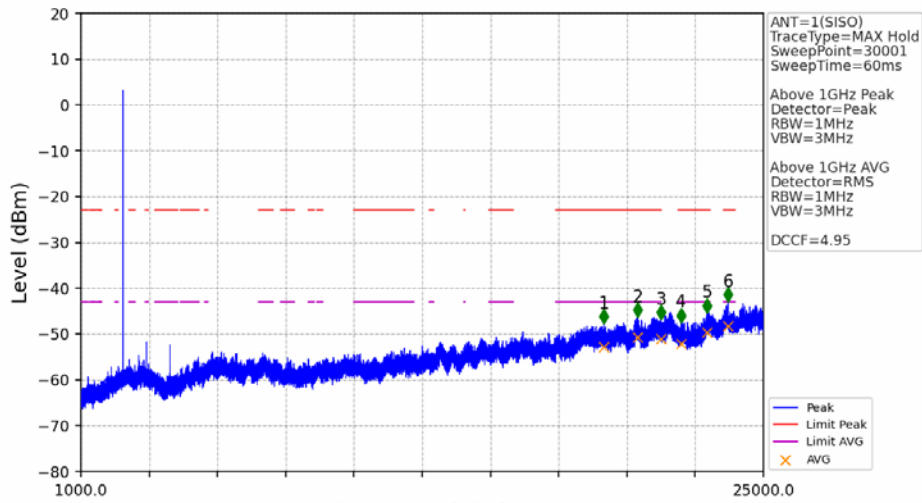
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2372.400	-57.16	-21.20	34.16	Pass	Peak	3	2372.400	/	-21.20	/	/	AVG
2	2387.400	-56.98	-21.20	33.98	Pass	Peak	4	2387.400	/	-21.20	/	/	AVG

2M\_MCH\_2440MHz\_Ant1\_NTNV



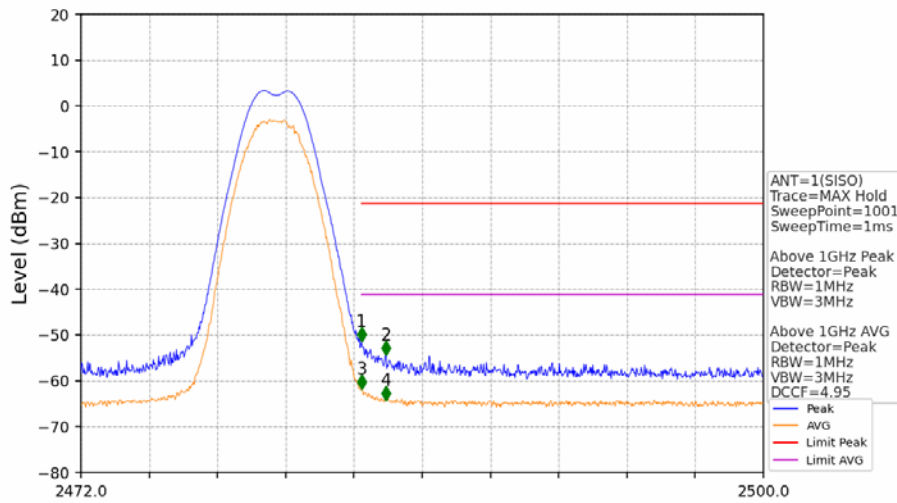
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18607.2	-47.63	-21.20	24.63	Pass	Peak	7	18607.2	-52.65	-41.20	9.65	Pass	AVG
2	19830.4	-47.64	-21.20	24.64	Pass	Peak	8	19830.4	-52.22	-41.20	9.22	Pass	AVG
3	20596.8	-45.86	-21.20	22.86	Pass	Peak	9	20596.8	-50.96	-41.20	7.96	Pass	AVG
4	21376	-46.70	-21.20	23.70	Pass	Peak	10	21376	-51.12	-41.20	8.12	Pass	AVG
5	22913.6	-46.37	-21.20	23.36	Pass	Peak	11	22913.6	-51.09	-41.20	8.09	Pass	AVG
6	23724	-43.70	-21.20	20.70	Pass	Peak	12	23724	-47.88	-41.20	4.88	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	19394.4	-47.74	-21.20	24.74	Pass	Peak	7	19394.4	-52.77	-41.20	9.77	Pass	AVG
2	20570.4	-46.33	-21.20	23.33	Pass	Peak	8	20570.4	-50.65	-41.20	7.65	Pass	AVG
3	21388	-46.92	-21.20	23.92	Pass	Peak	9	21388	-51.08	-41.20	8.08	Pass	AVG
4	22109.6	-47.46	-21.20	24.46	Pass	Peak	10	22109.6	-52.15	-41.20	9.15	Pass	AVG
5	23020	-45.34	-21.20	22.34	Pass	Peak	11	23020	-49.67	-41.20	6.67	Pass	AVG
6	23760	-42.95	-21.20	19.95	Pass	Peak	12	23760	-48.25	-41.20	5.25	Pass	AVG

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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	-51.48	-21.20	28.48	Pass	Peak	3	2483.508	/	-21.20	/	/	AVG
2	2484.516	-54.43	-21.20	31.43	Pass	Peak	4	2484.516	/	-21.20	/	/	AVG

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