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Annex for Bluetooth Low Energy

Test Report No.: CTL2601202049-WF01

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1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.148	/	Pass
		2440	1	1.258	/	Pass
		2480	1	1.182	/	Pass

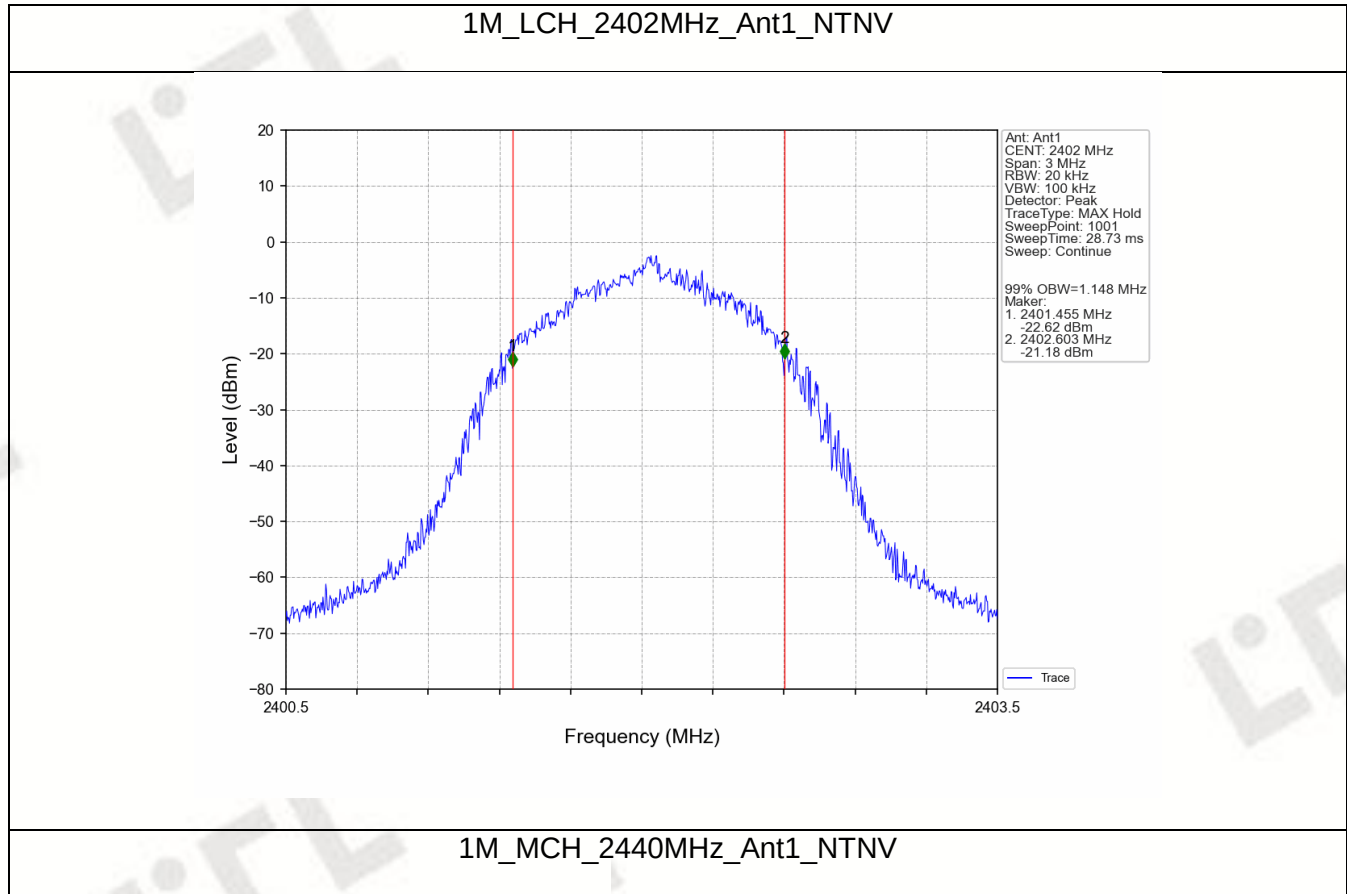
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.133	≥ 0.5	Pass
		2440	1	1.295	≥ 0.5	Pass
		2480	1	1.255	≥ 0.5	Pass

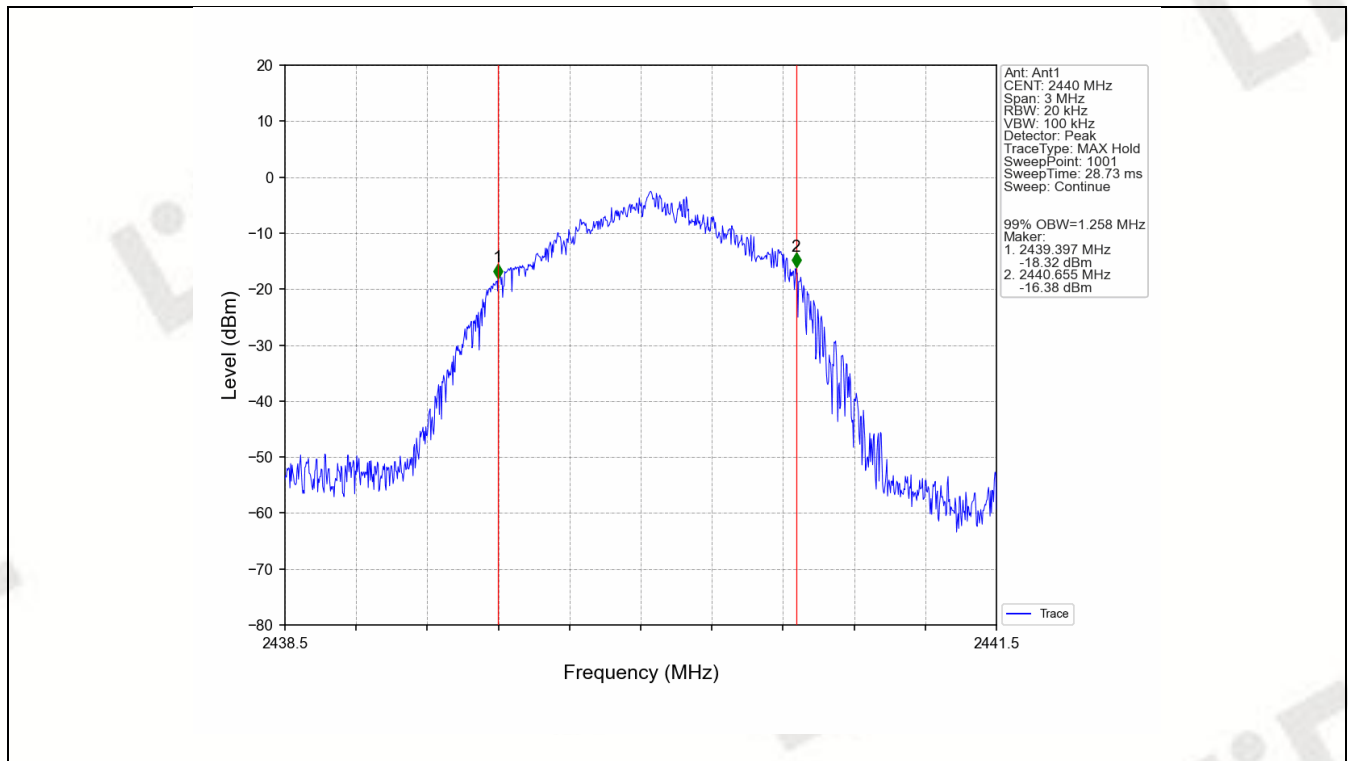
FCC ID: 2BFCV-TOUCH2

1.2 Test Graph

1.2.1 OBW

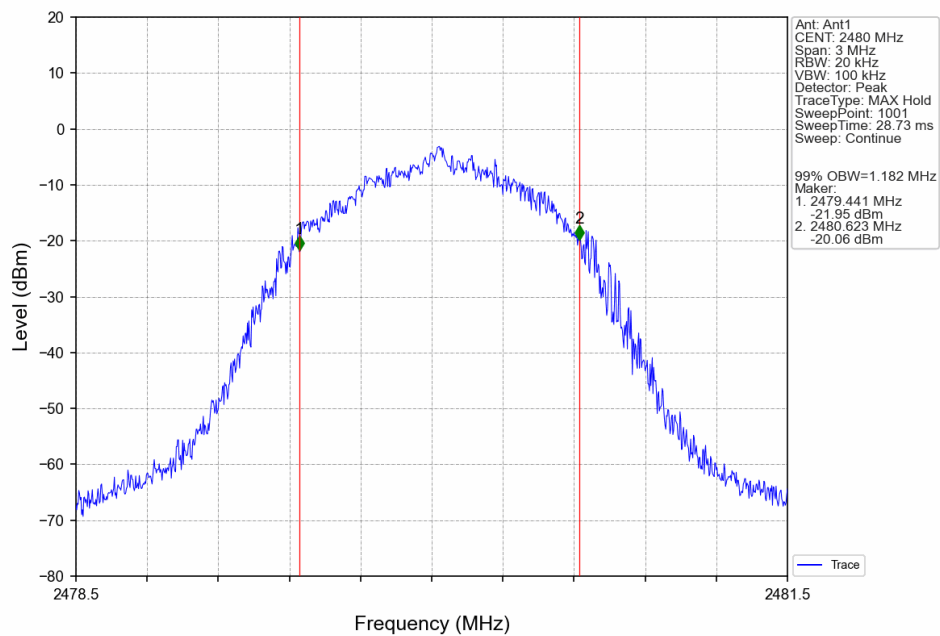


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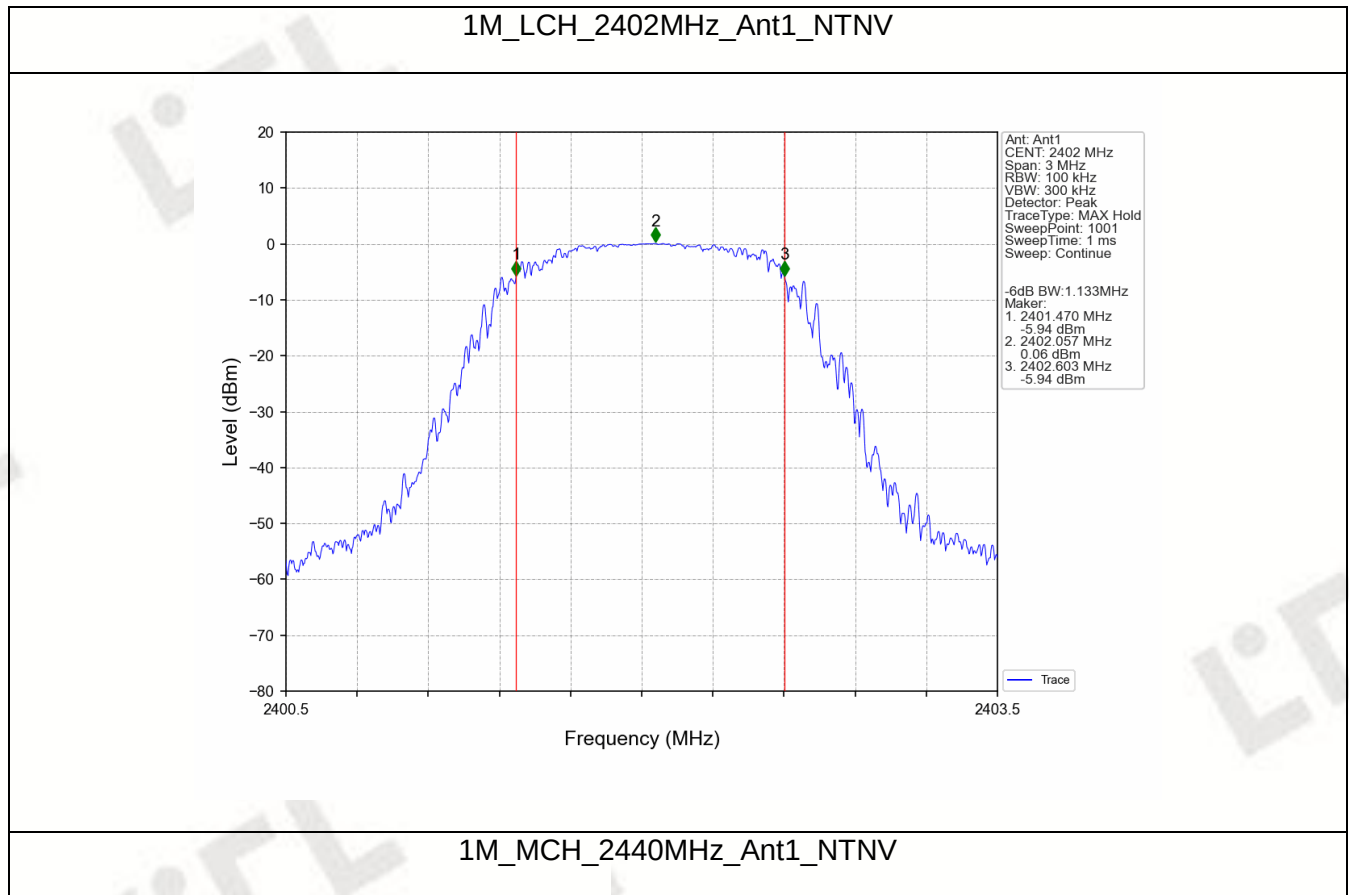


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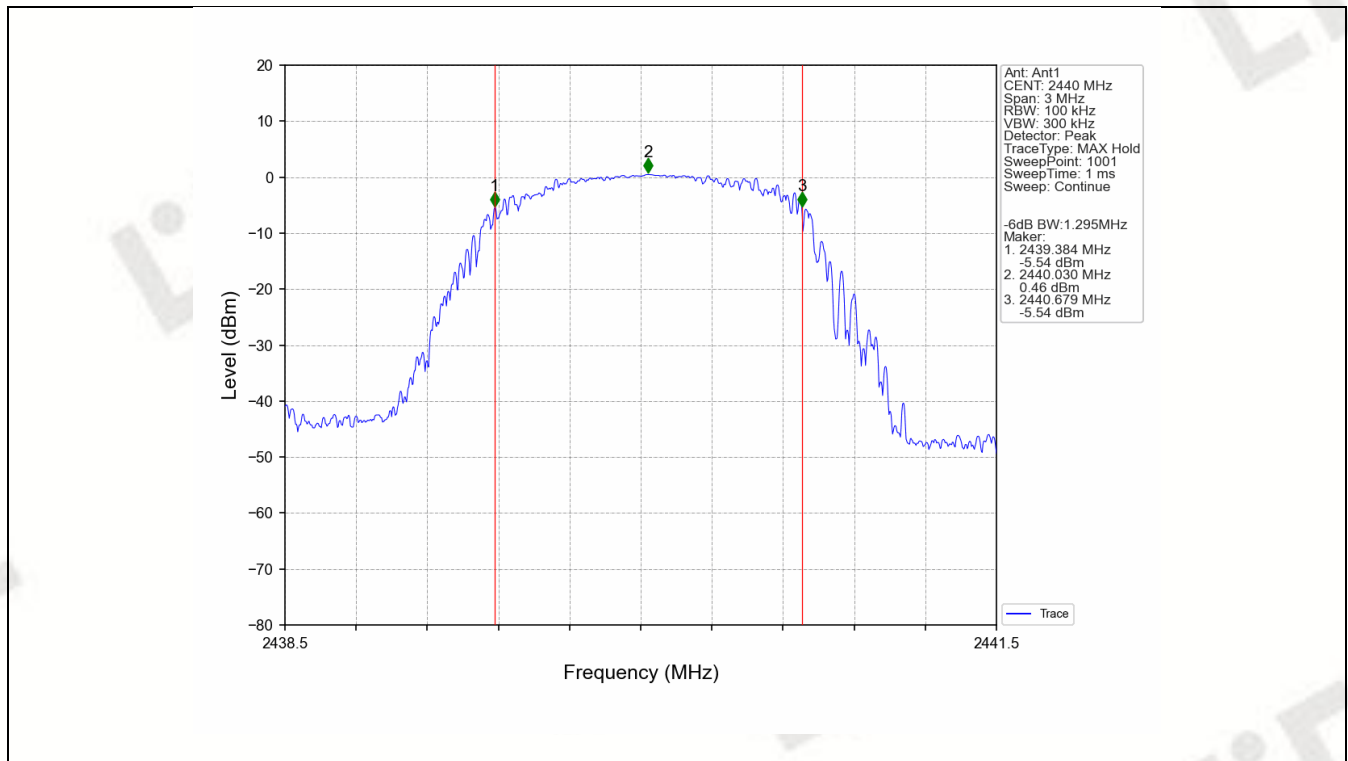
1M_HCH_2480MHz_Ant1_NTNV



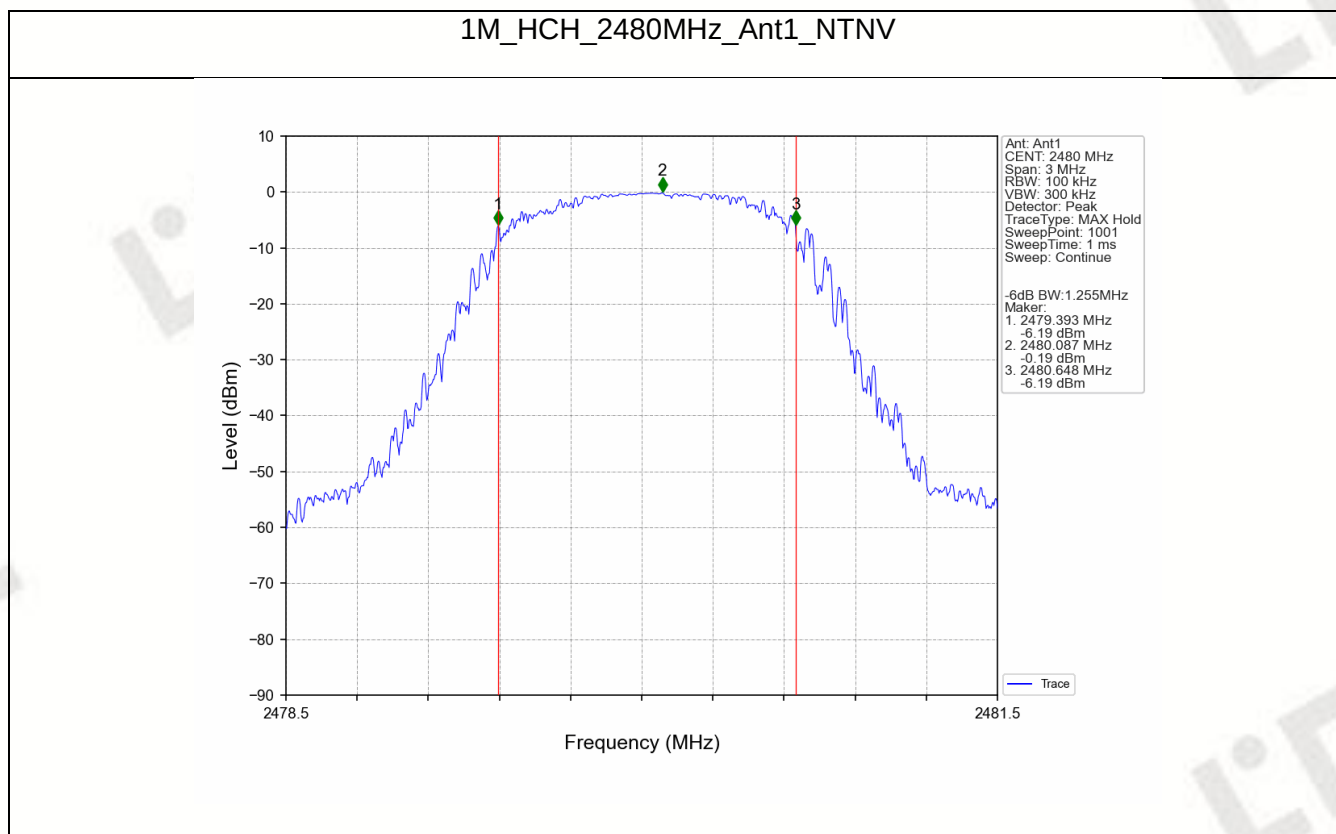
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1.2.2 6dB BW

FCC ID: 2BFCV-TOUCH2



FCC ID: 2BFCV-TOUCH2



2. Maximum Conducted Output Power

2.1 Test Result

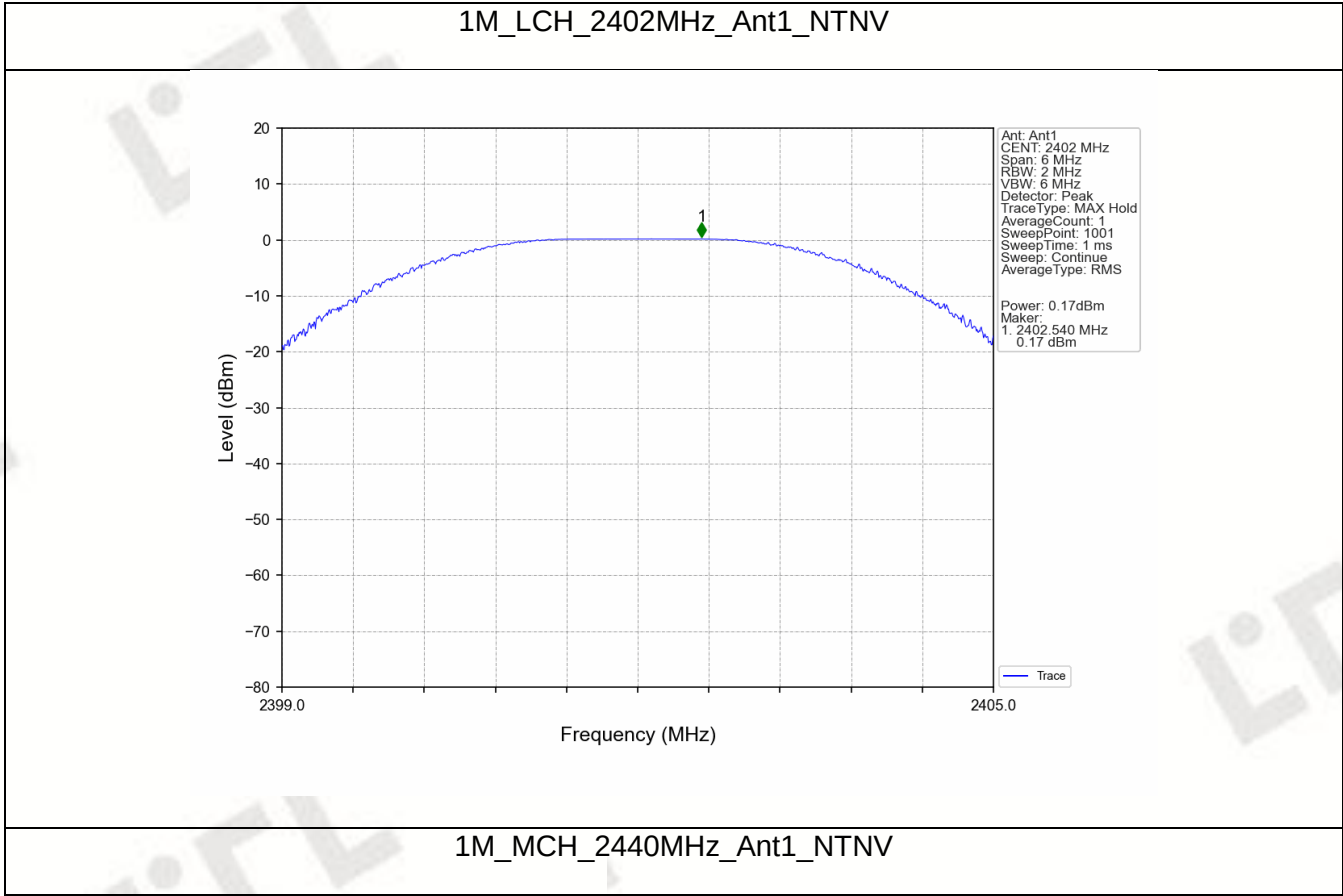
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	0.17	<=30	Pass
		2440	0.57	<=30	Pass
		2480	-0.09	<=30	Pass
Note1: Antenna Gain: Ant1: -0.51dBi;					

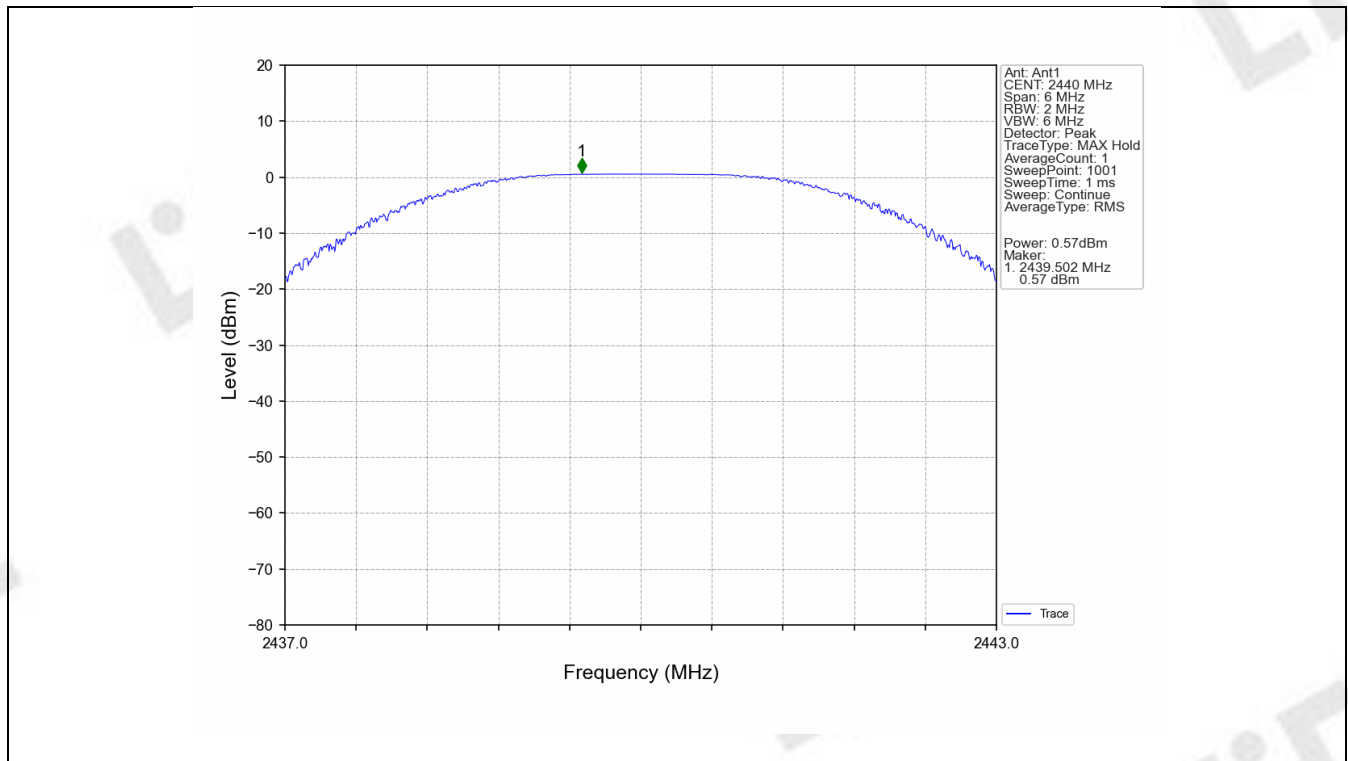
FCC ID: 2BFCV-TOUCH2

2.2 Test Graph

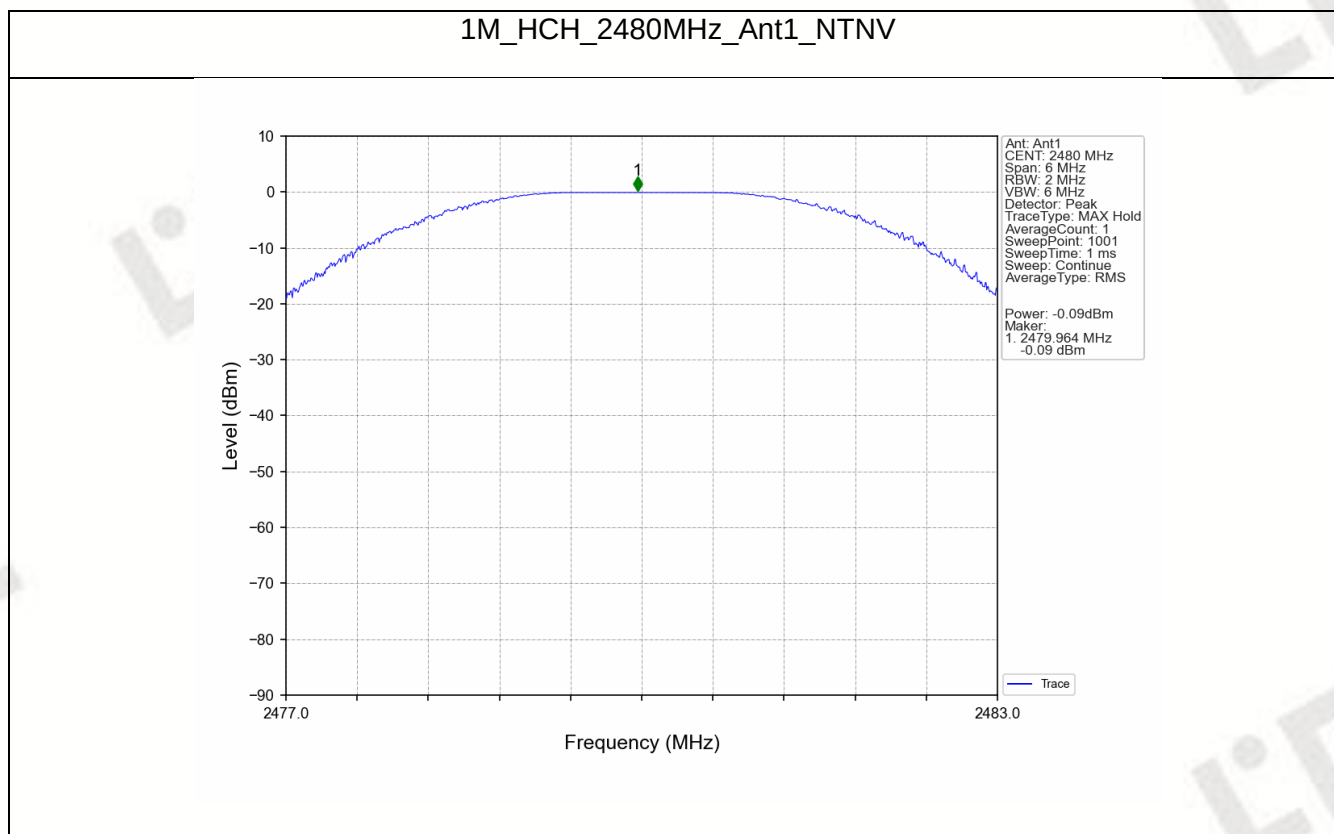
2.2.1 Power



FCC ID: 2BFCV-TOUCH2



FCC ID: 2BFCV-TOUCH2



3. Maximum Power Spectral Density

3.1 Test Result

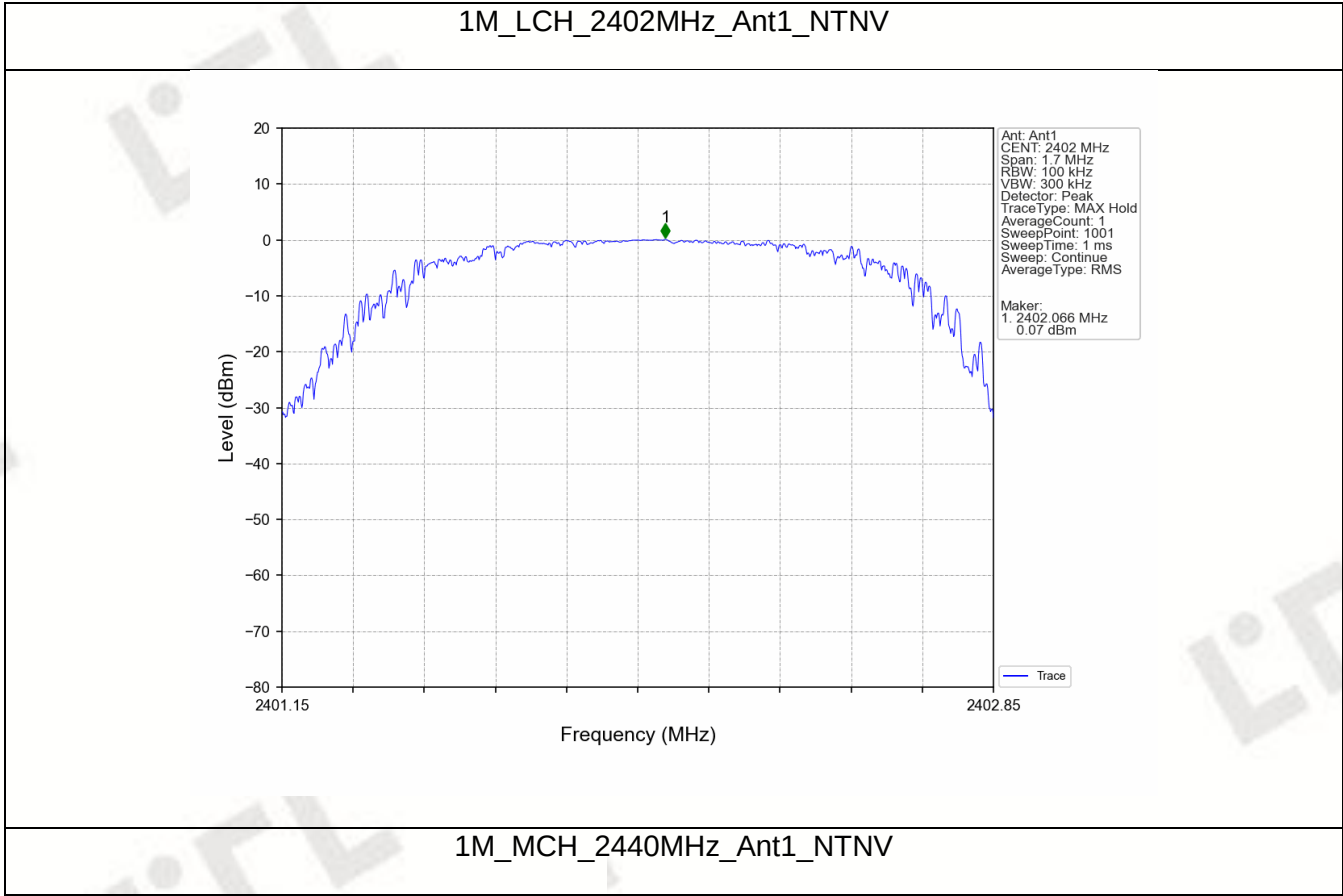
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	0.07dBm/100kHz	<=8	Pass
		2440	0.43dBm/100kHz	<=8	Pass
		2480	-0.18dBm/100kHz	<=8	Pass
Note1: Antenna Gain: Ant1: -0.51dBi;					

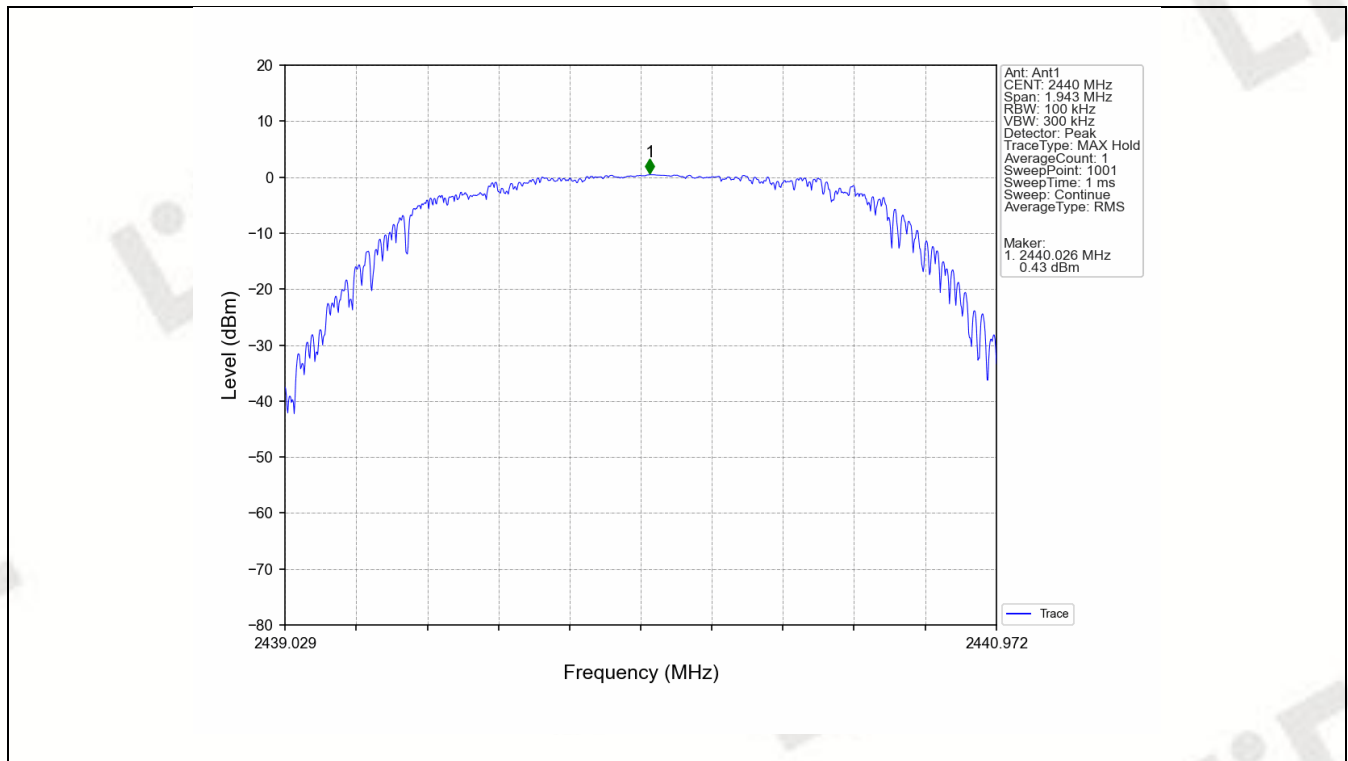
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3.2 Test Graph

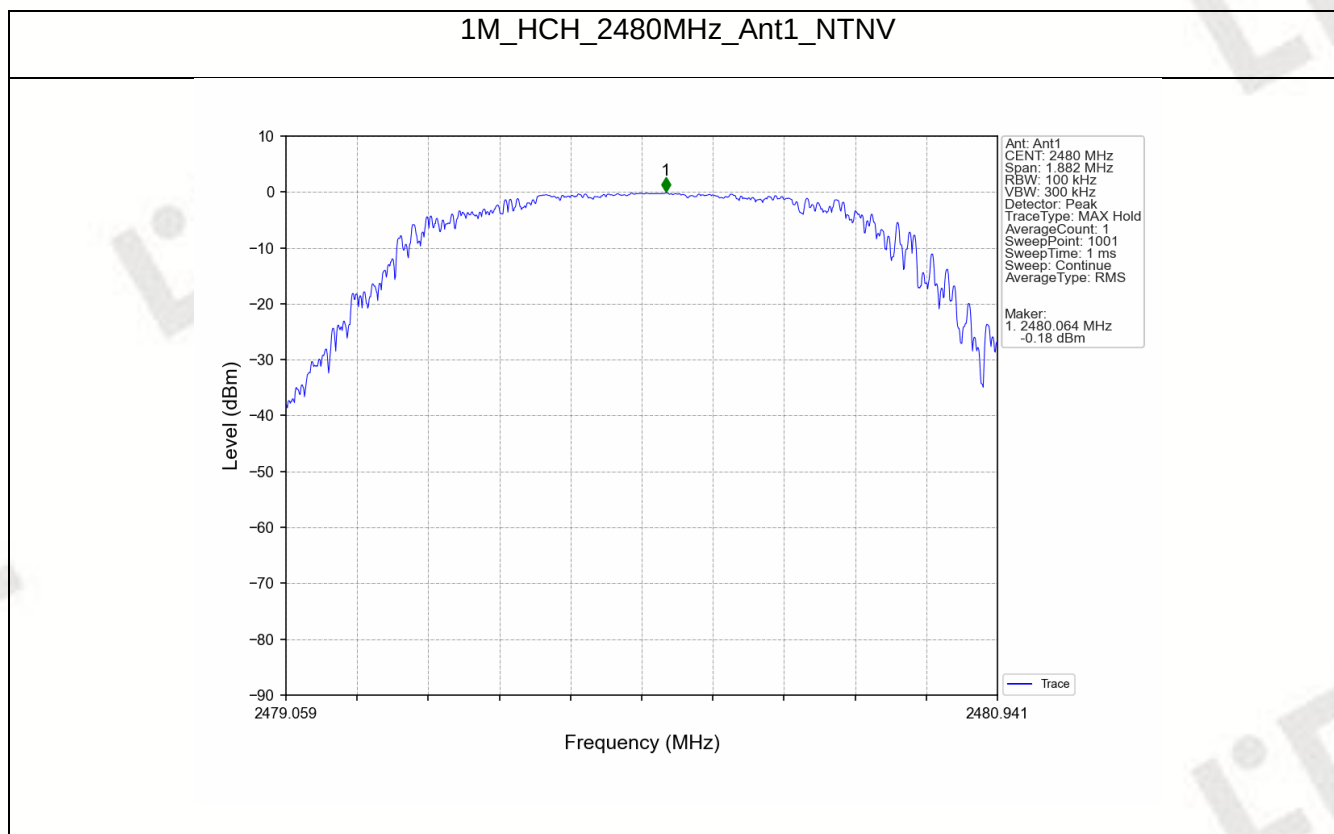
3.2.1 PSD



FCC ID: 2BFCV-TOUCH2



FCC ID: 2BFCV-TOUCH2



4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	0.07
		2440	1	0.41
		2480	1	-0.18

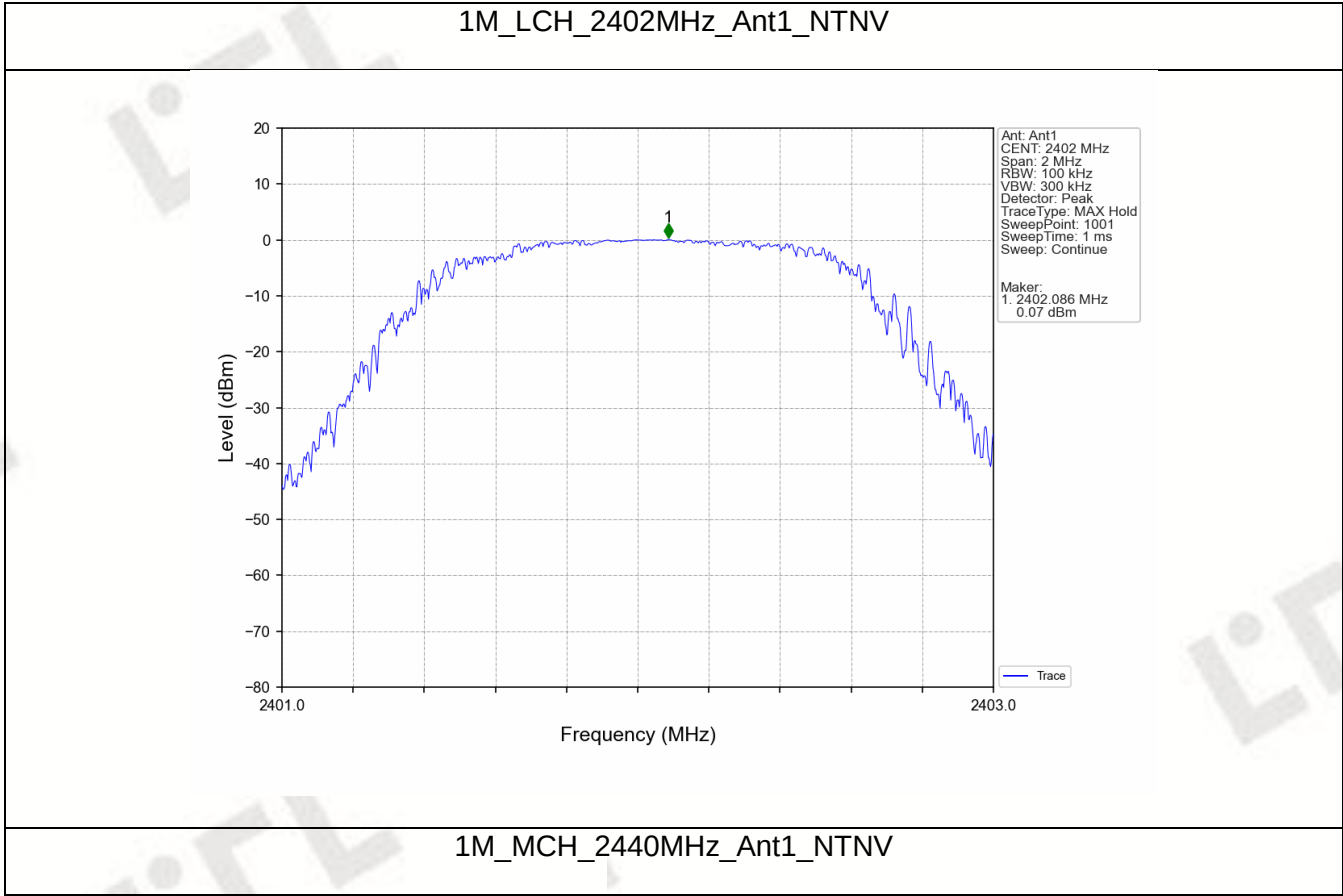
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.41	-19.59	Pass
		2440	1	0.41	-19.59	Pass
		2480	1	0.41	-19.59	Pass

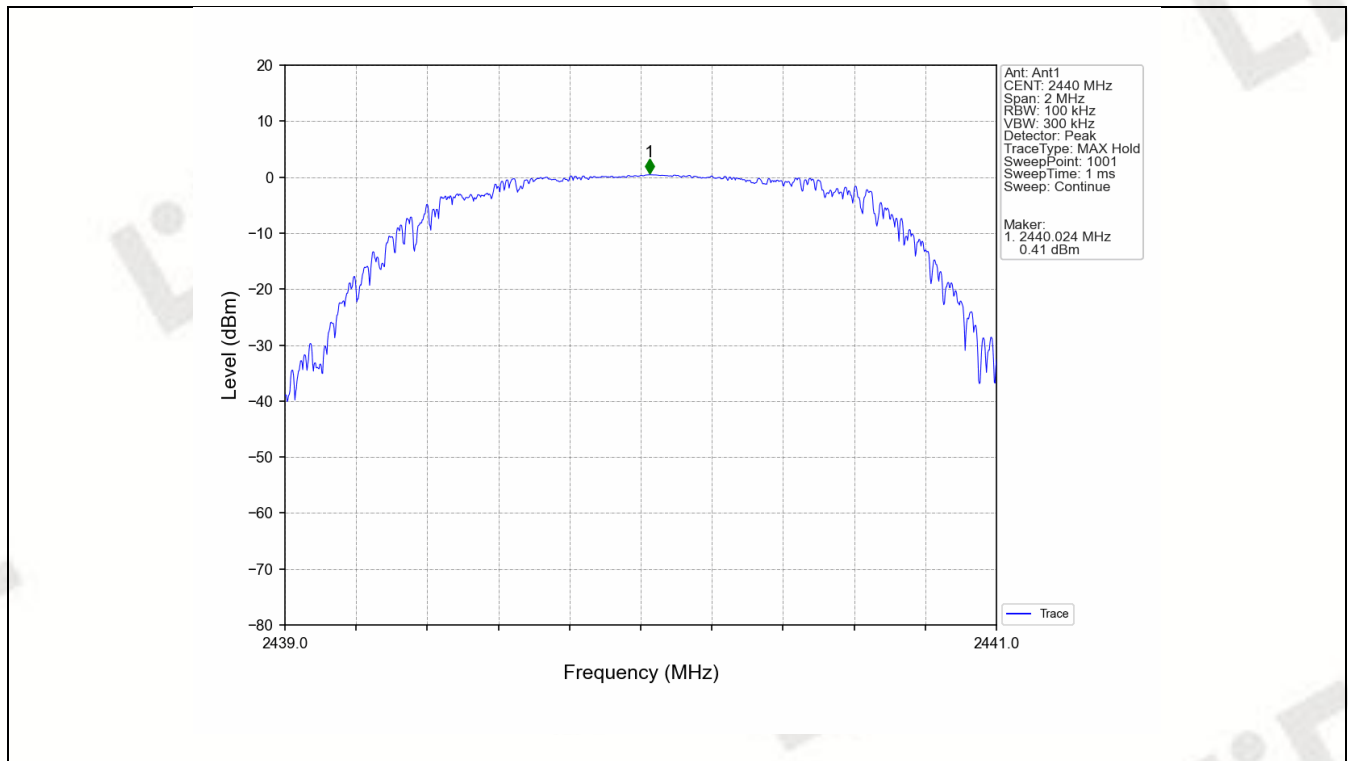
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4.2 Test Graph

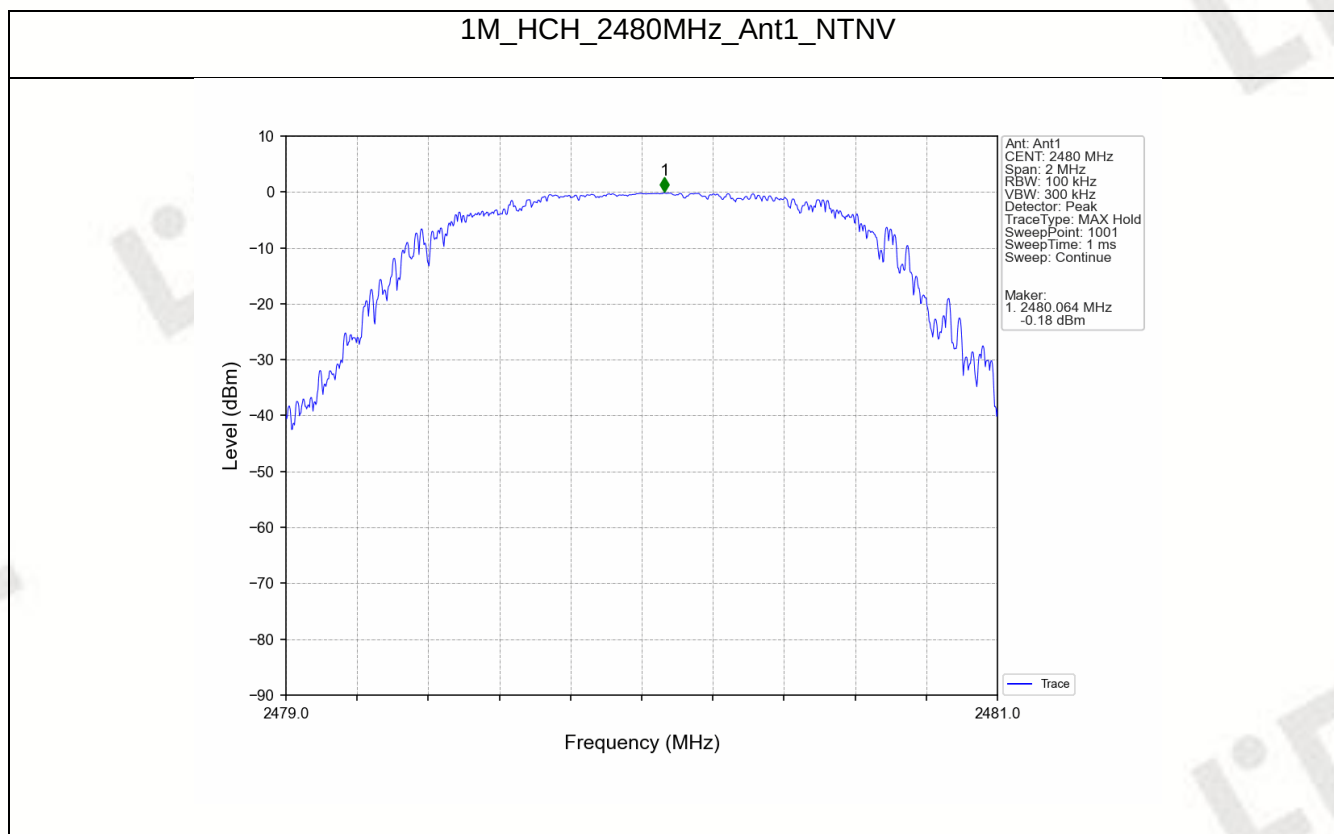
4.2.1 Ref



FCC ID: 2BFCV-TOUCH2

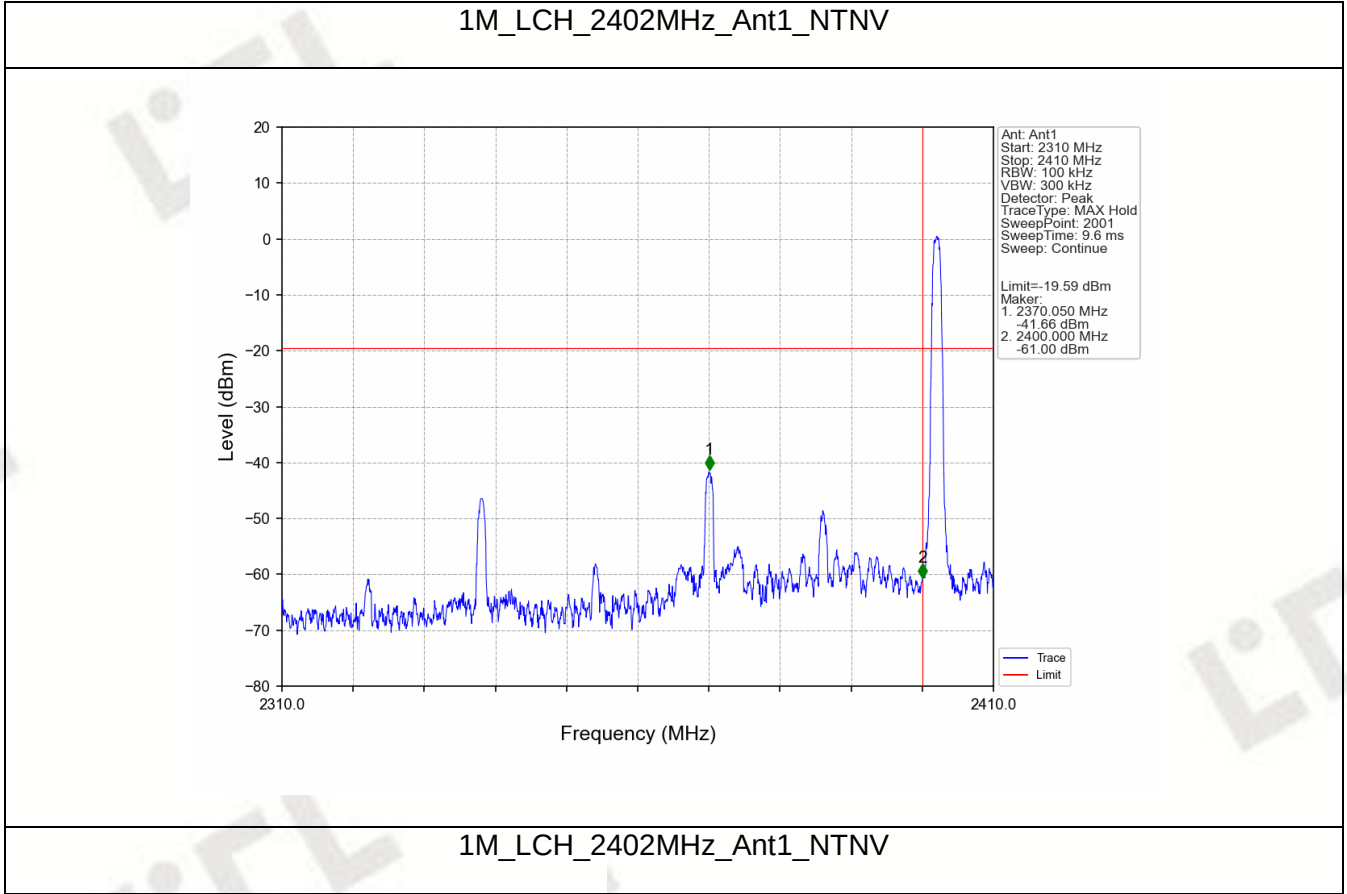


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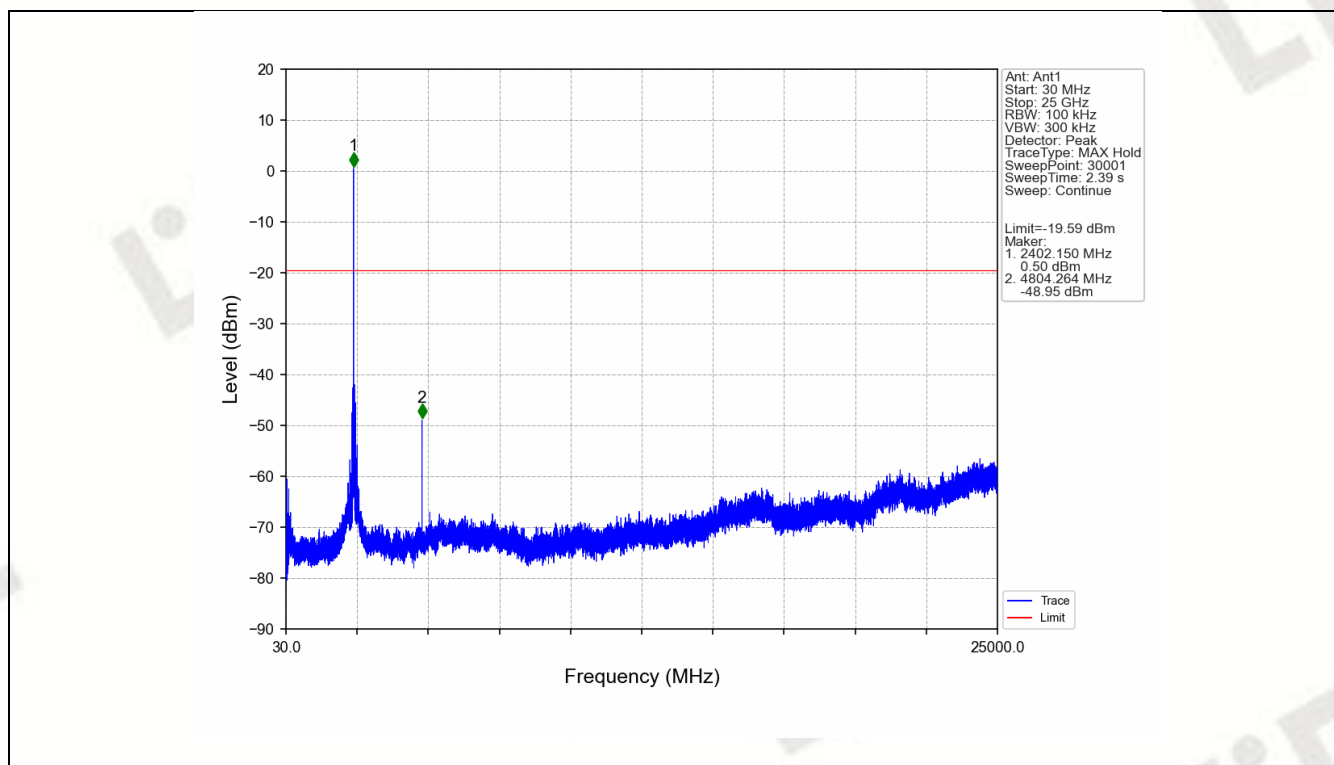


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4.2.2 CSE

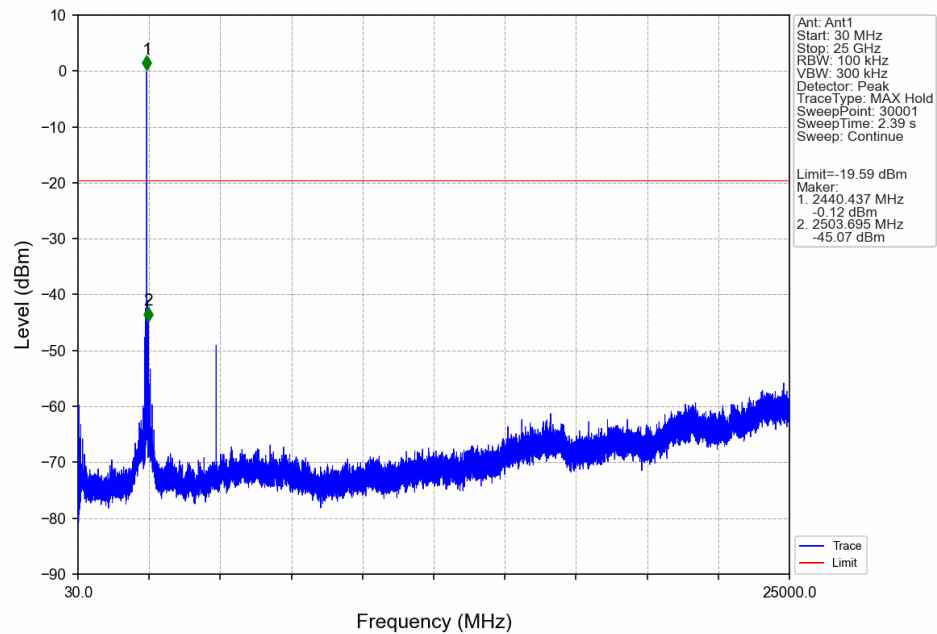


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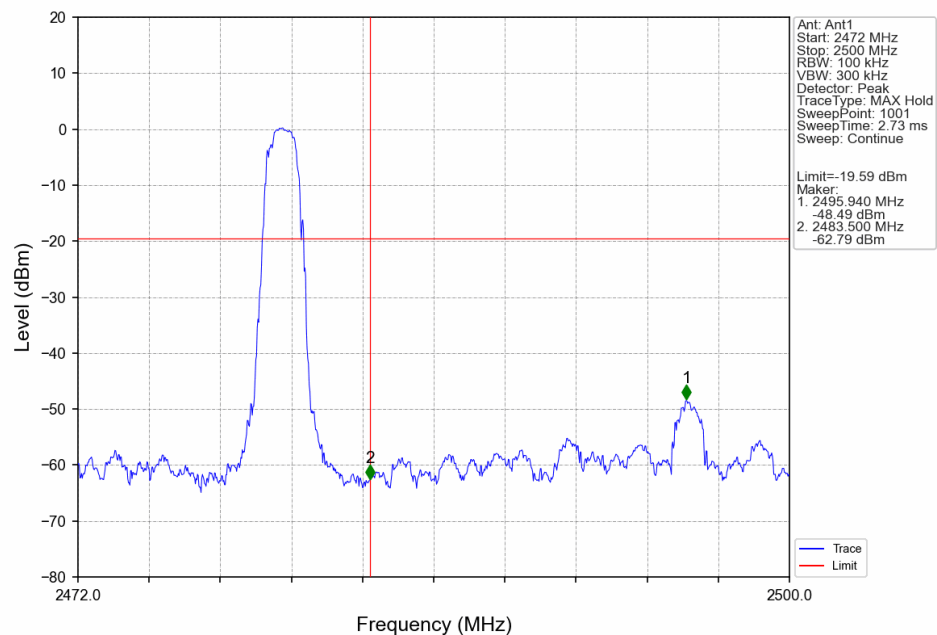


FCC ID: 2BFCV-TOUCH2

1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



FCC ID: 2BFCV-TOUCH2

