

Appendix Test Data

Report No.:	18220WC10105601	Test Date:	2021.6.3
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
Pressure:	1012 hPa		

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	0.38	0.62	61.28	2.13	0.10
		2440	0.38	0.62	61.28	2.13	0.06
		2480	0.37	0.62	59.36	2.27	0.06

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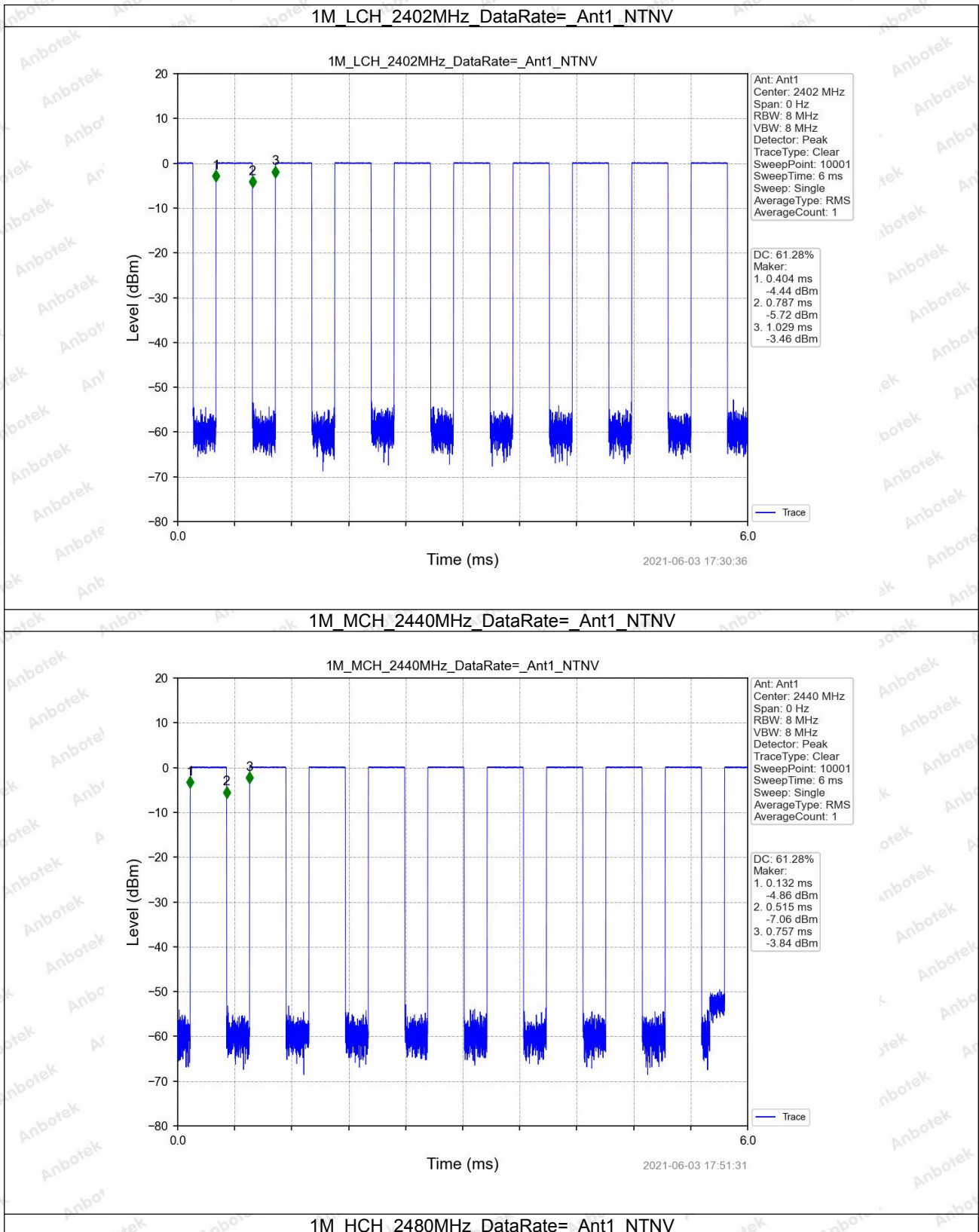
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

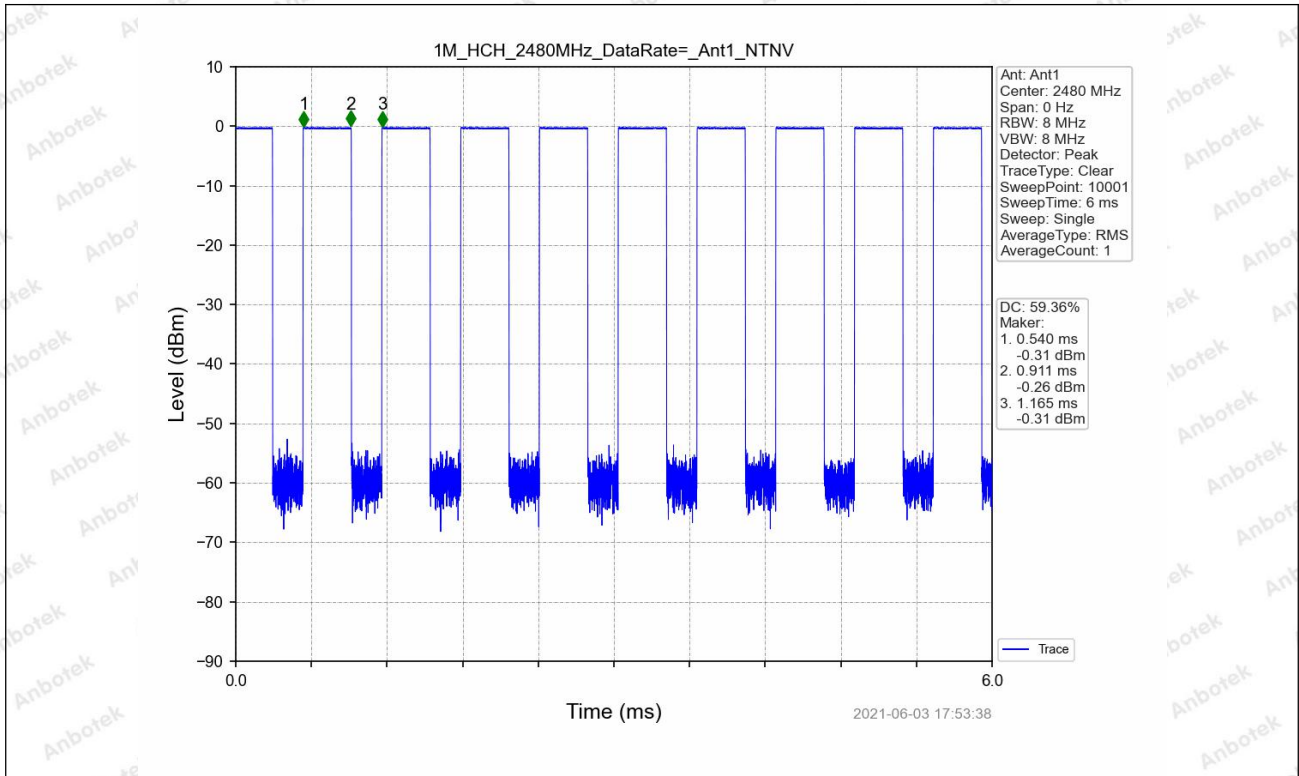
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1.1.2 Test Graph





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2. Bandwidth

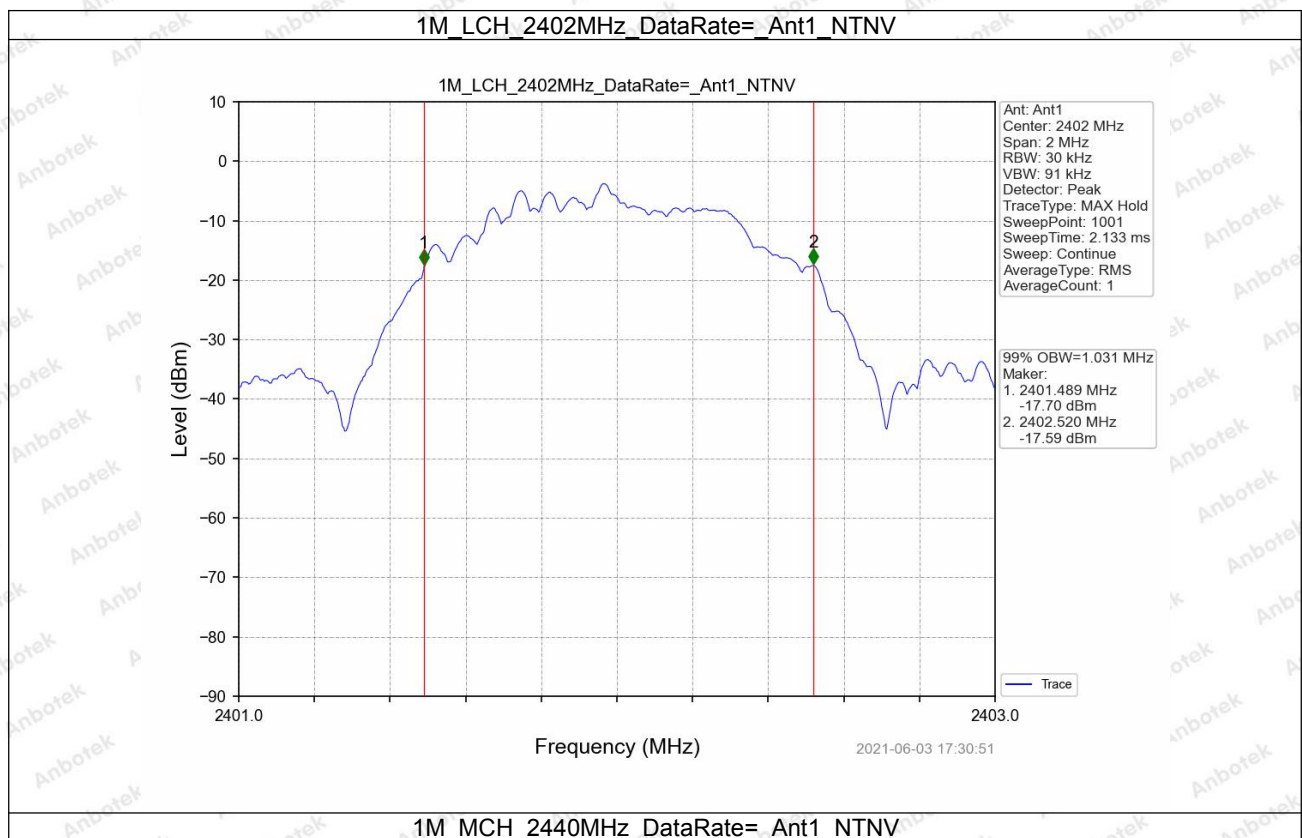
2.1 OBW

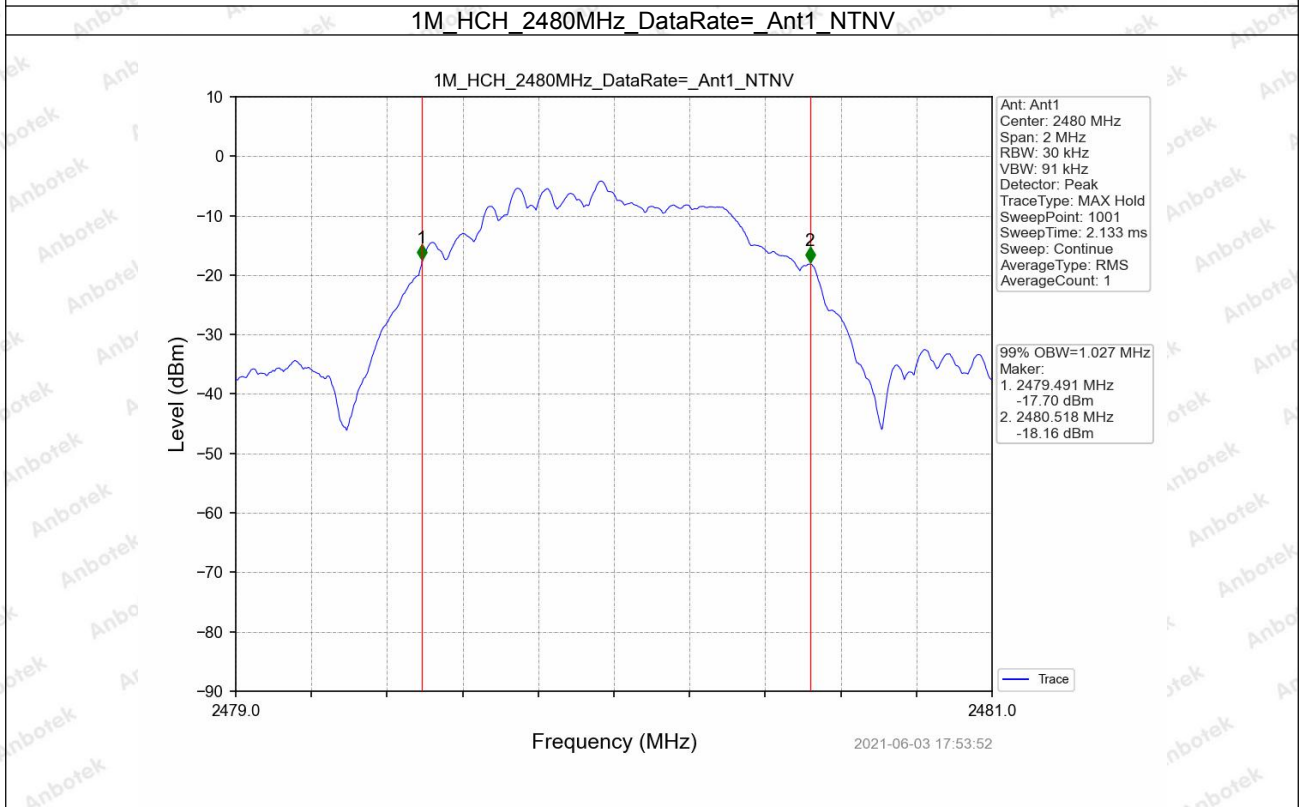
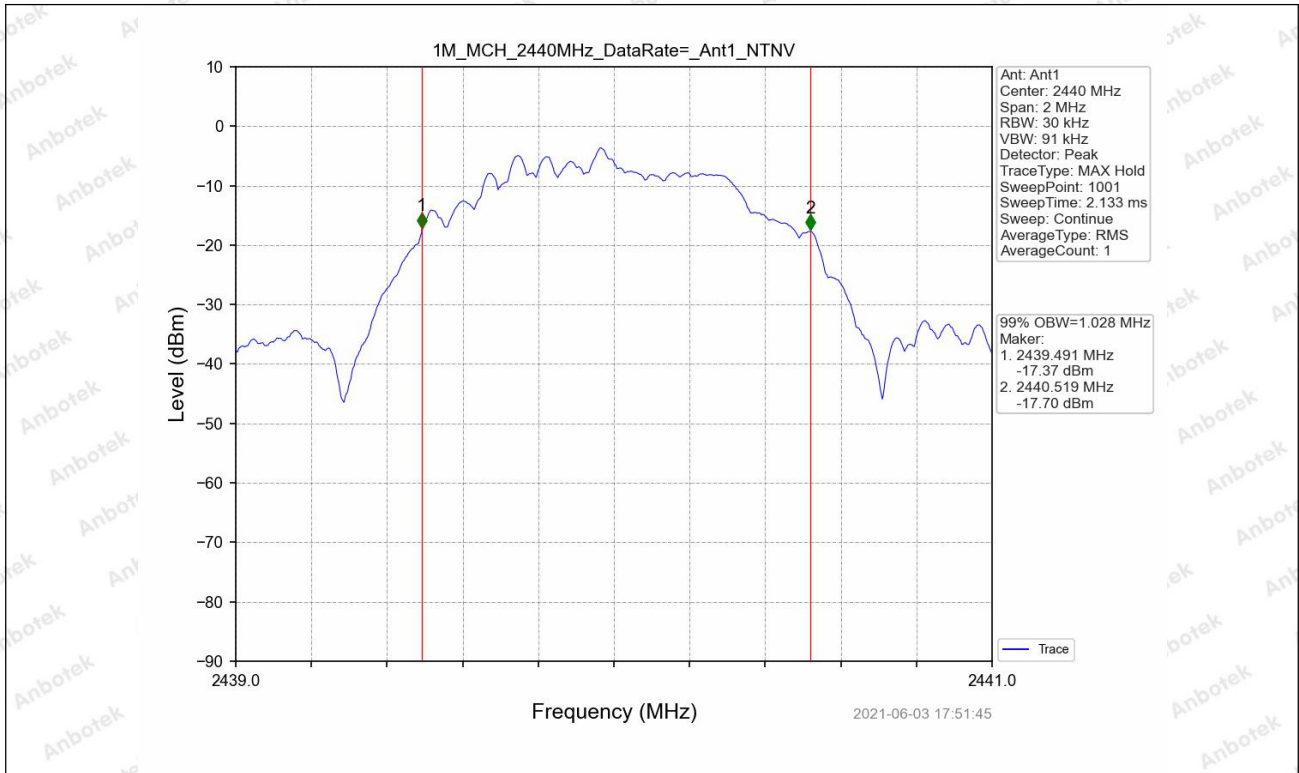
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Verdict
			Ant1		
1M	SISO	2402	1.031	/	Note1
		2440	1.028	/	Note1
		2480	1.027	/	Note1

Note1: Only for Report Use

2.1.2 Test Graph





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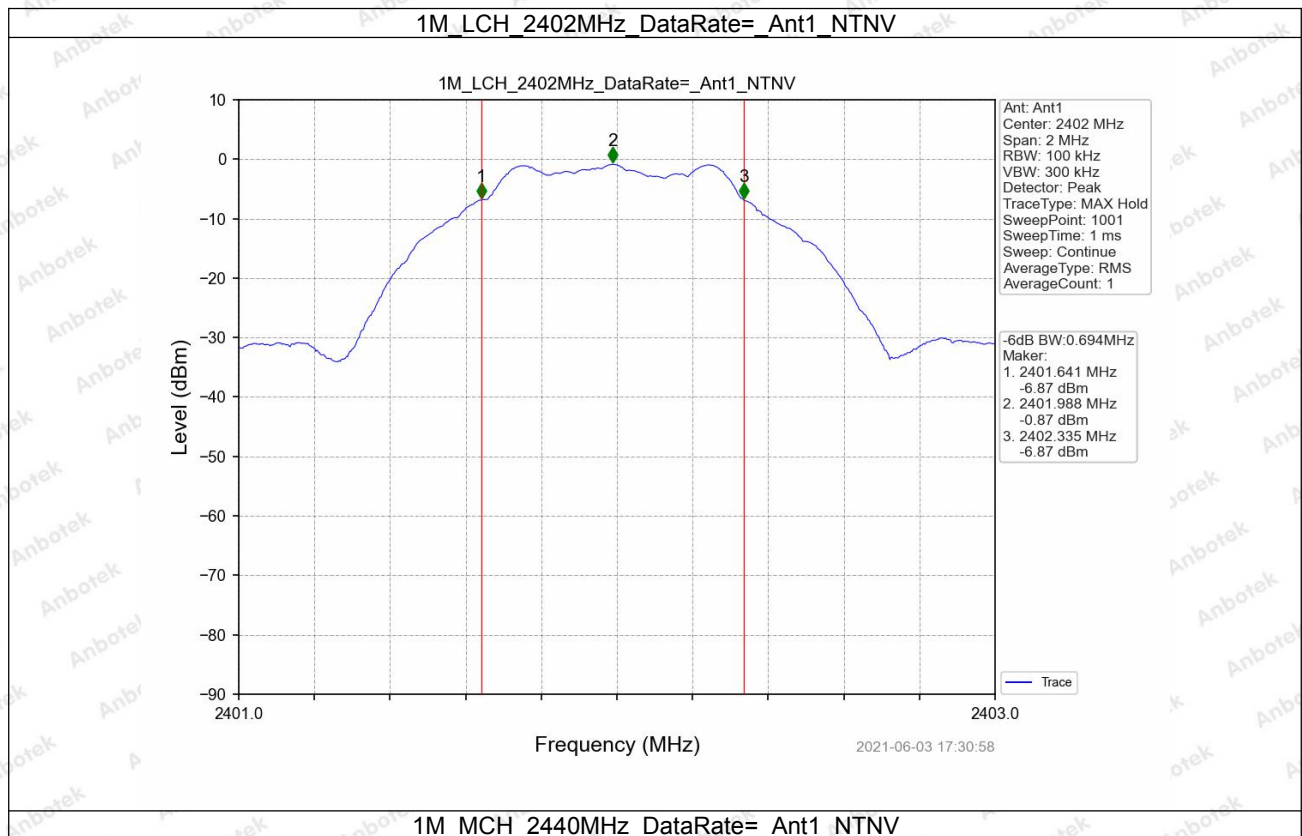
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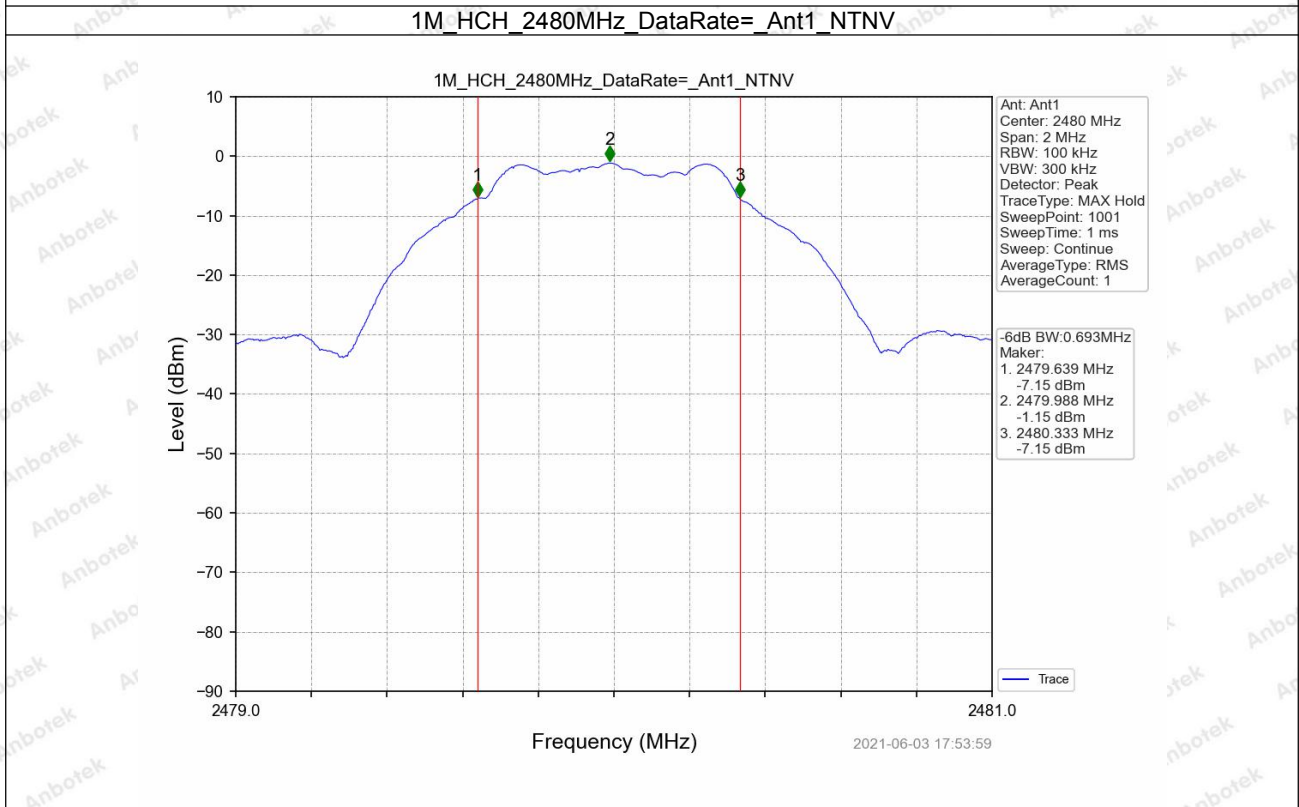
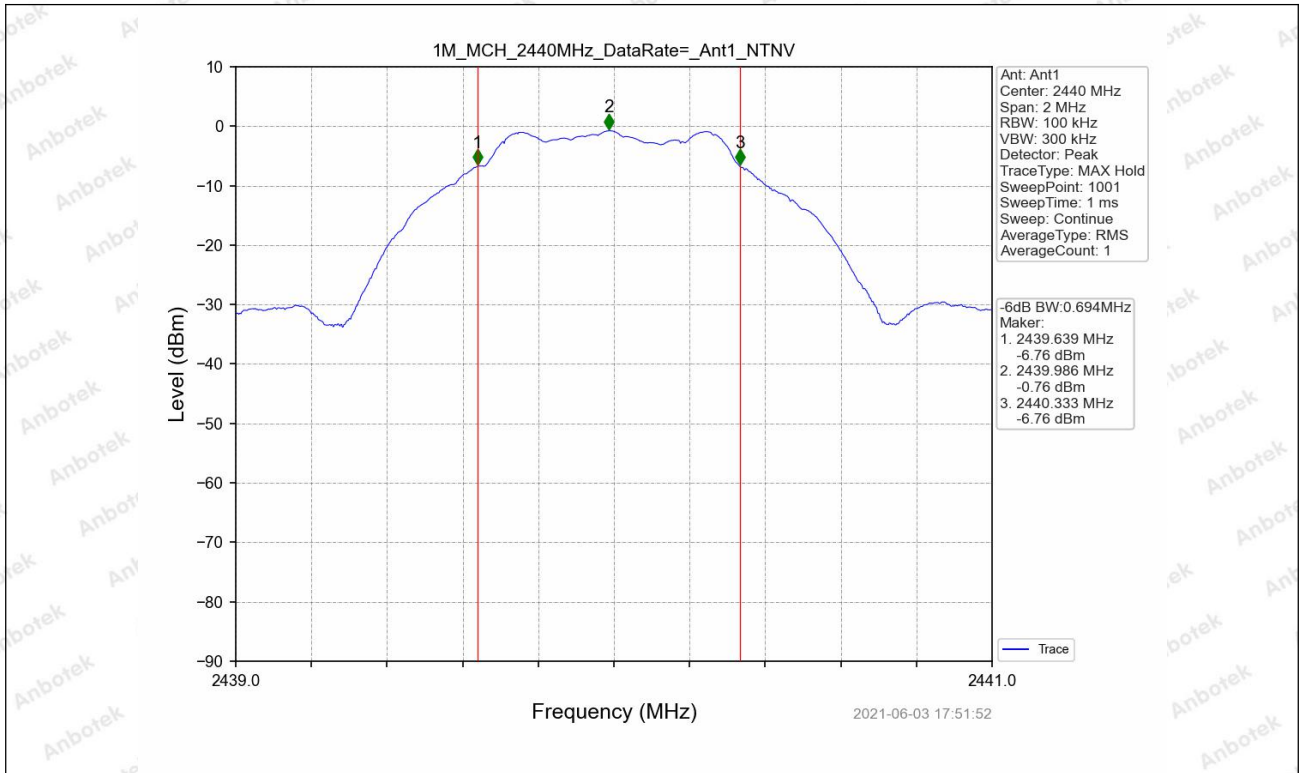
2.2 XDB

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
			Ant1		
1M	SISO	2402	0.694	>=0.5	Pass
		2440	0.694	>=0.5	Pass
		2480	0.693	>=0.5	Pass

2.2.2 Test Graph





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3. Maximum Conducted Output Power

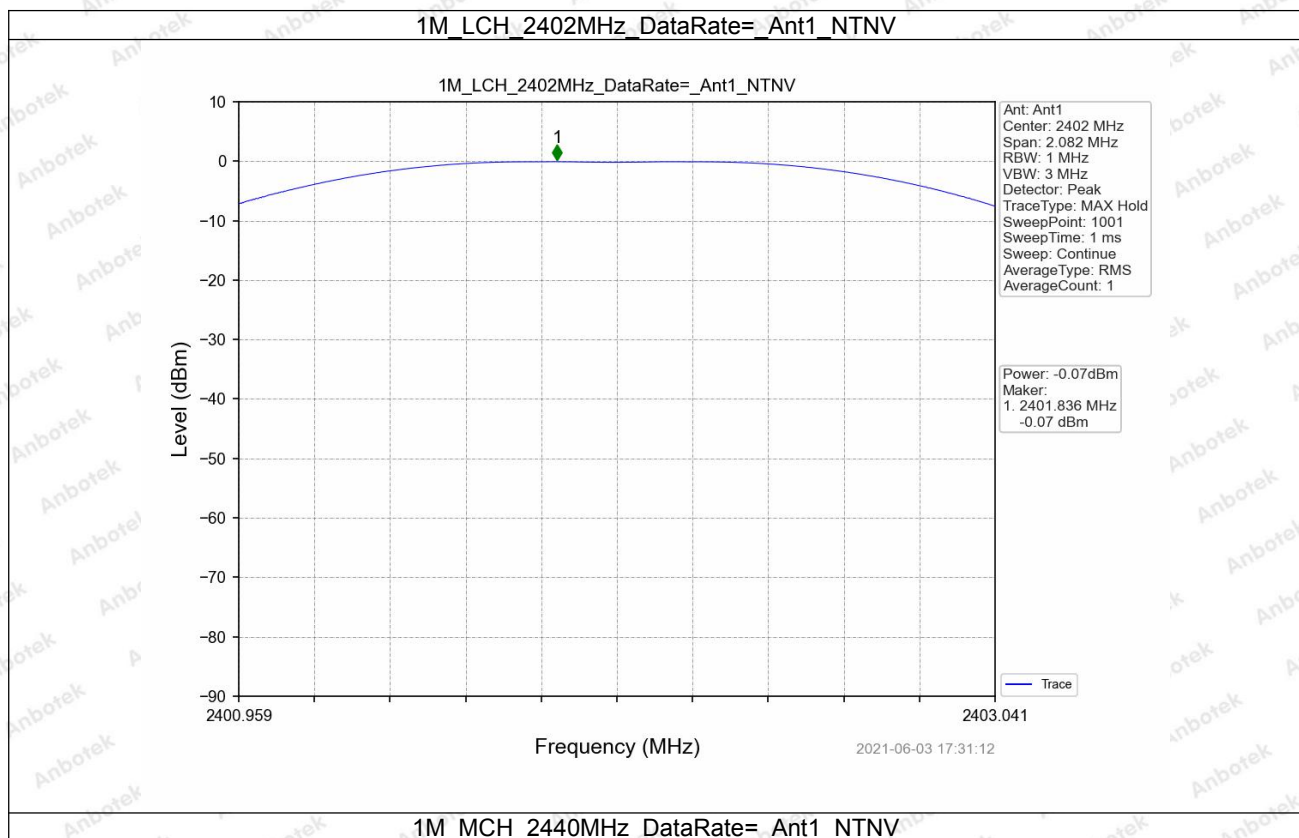
3.1 Power

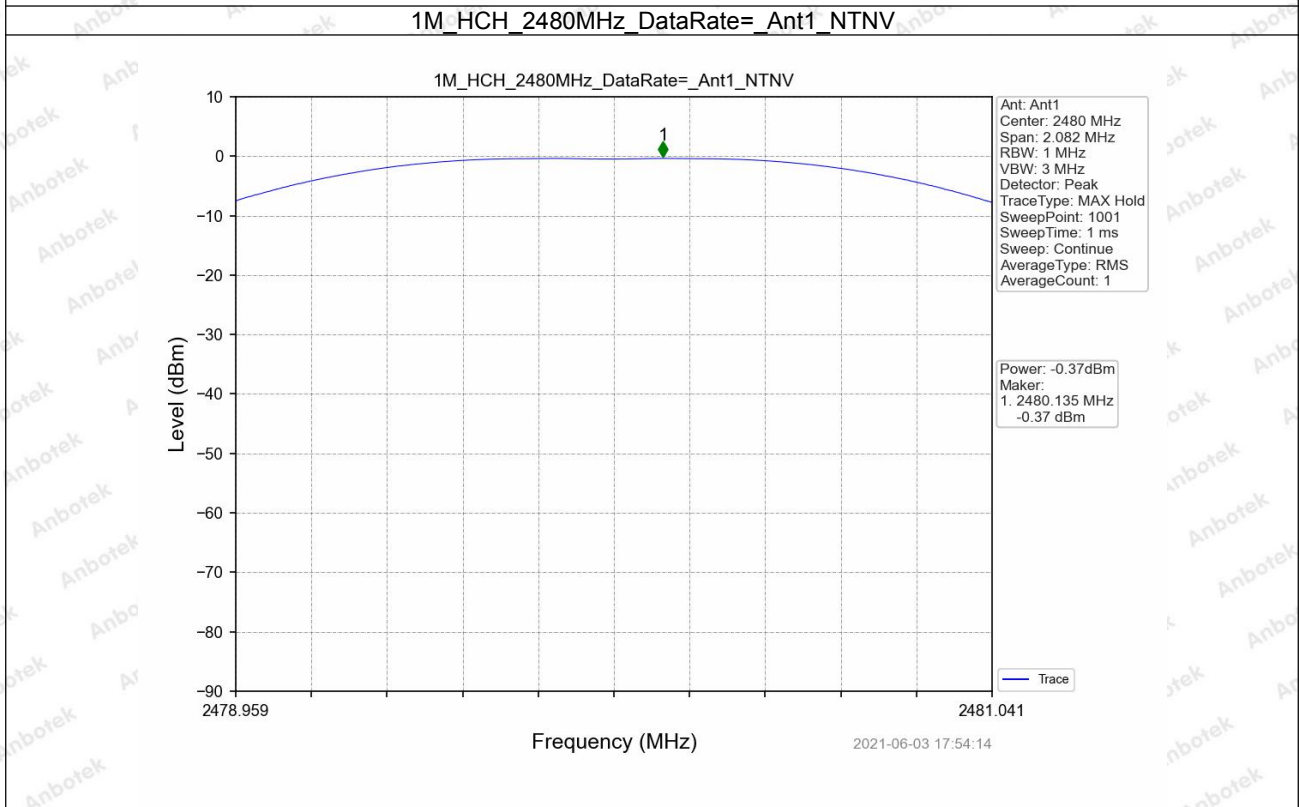
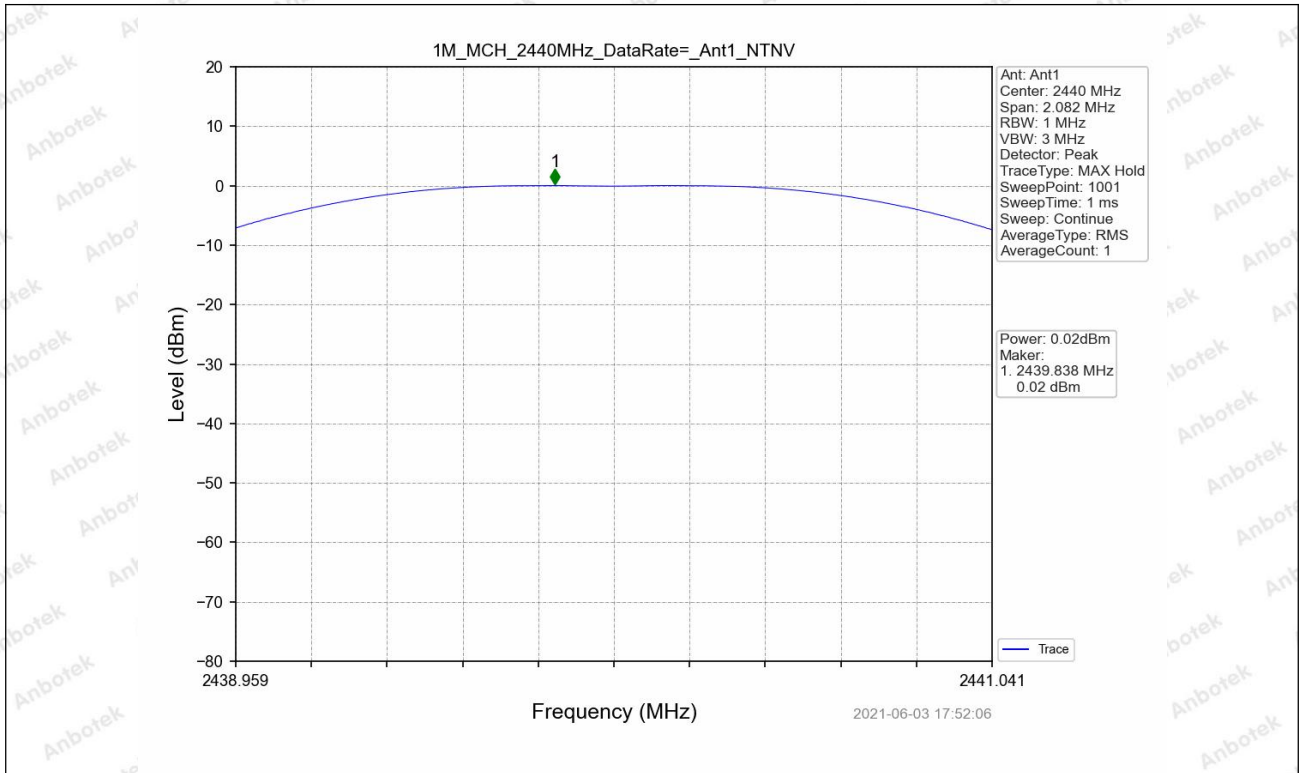
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Peak Output Power (dBm)	Limit (dBm)	Verdict
			Ant1		
1M	SISO	2402	-0.07	<=30	Pass
		2440	0.02	<=30	Pass
		2480	-0.37	<=30	Pass

Note1: Antenna Gain:1.5dBi;

3.1.2 Test Graph





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3.2 EIRP

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)	Limit (dBm)	Verdict
			Ant1		
1M	SISO	2402	1.43	<=36.02	Pass
		2440	1.52	<=36.02	Pass
		2480	1.13	<=36.02	Pass

Note1: Antenna Gain:1.5dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

4. Maximum Power Spectral Density

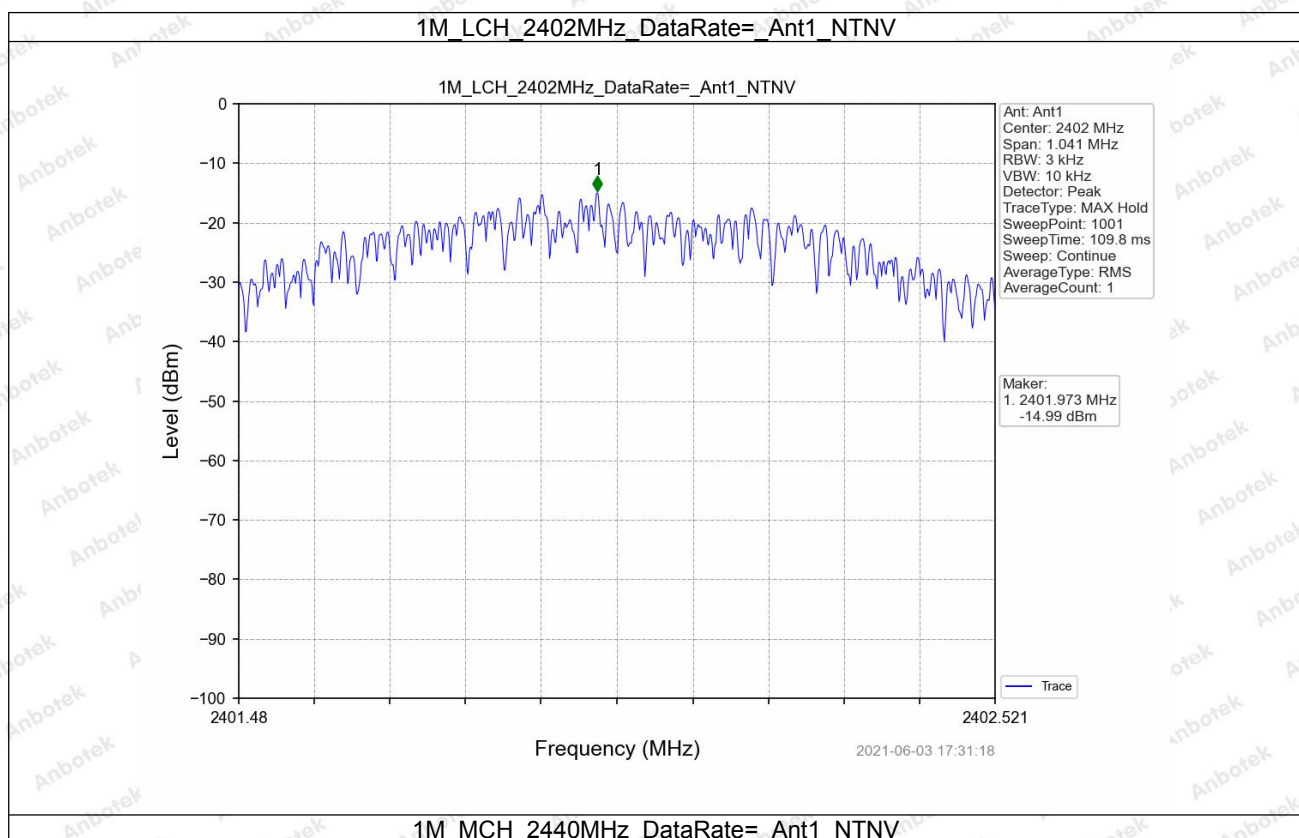
4.1 PSD

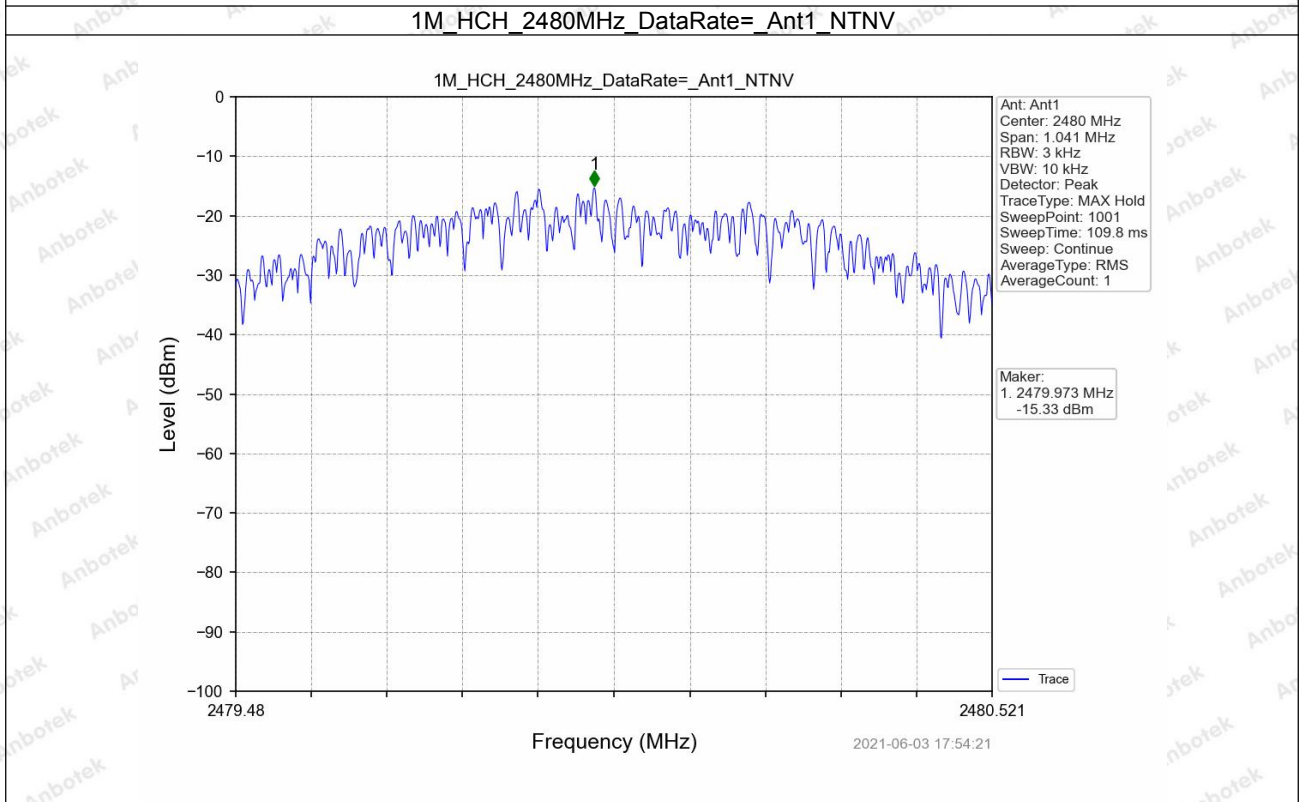
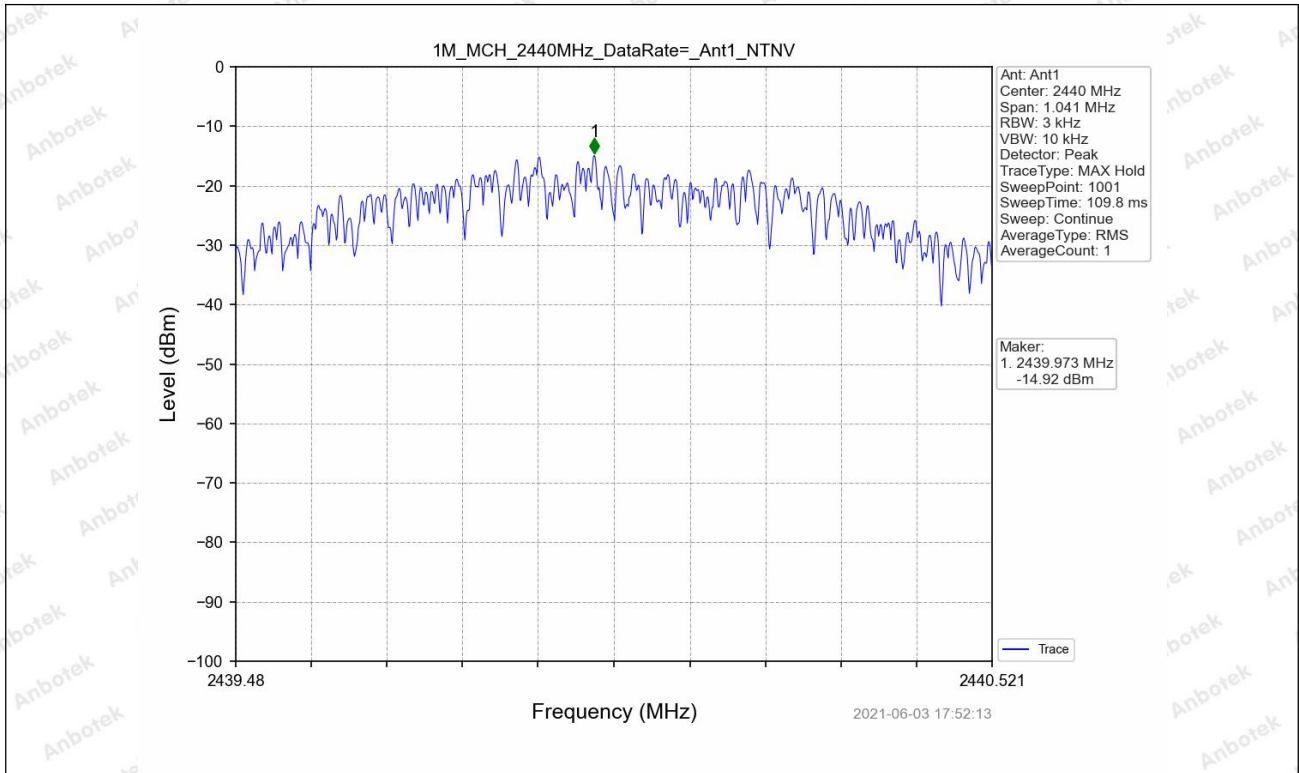
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
			Ant1		
1M	SISO	2402	-14.99	<=8	Pass
		2440	-14.92	<=8	Pass
		2480	-15.33	<=8	Pass

Note1: Antenna Gain:1.5dBi;

4.1.2 Test Graph





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5. Unwanted Emissions In Non-restricted Frequency Bands

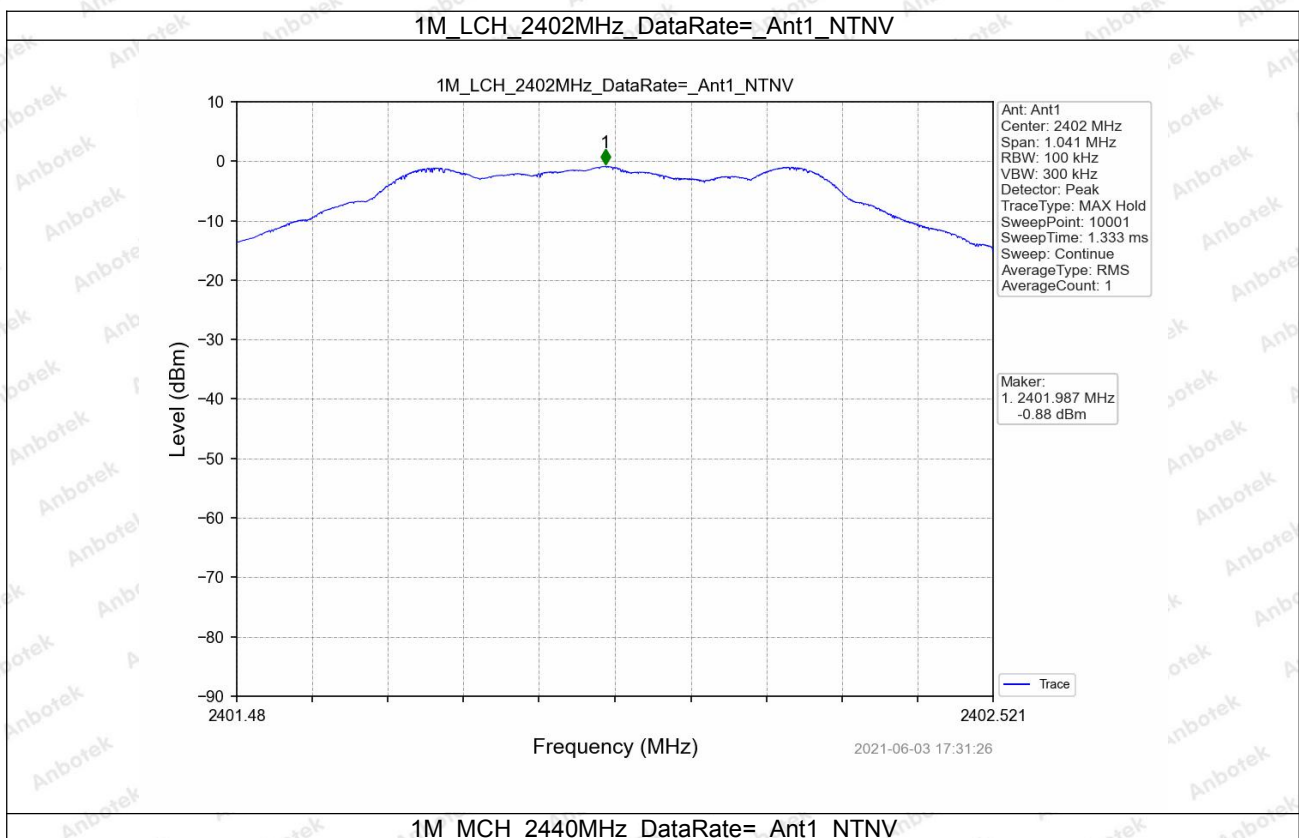
5.1 Ref

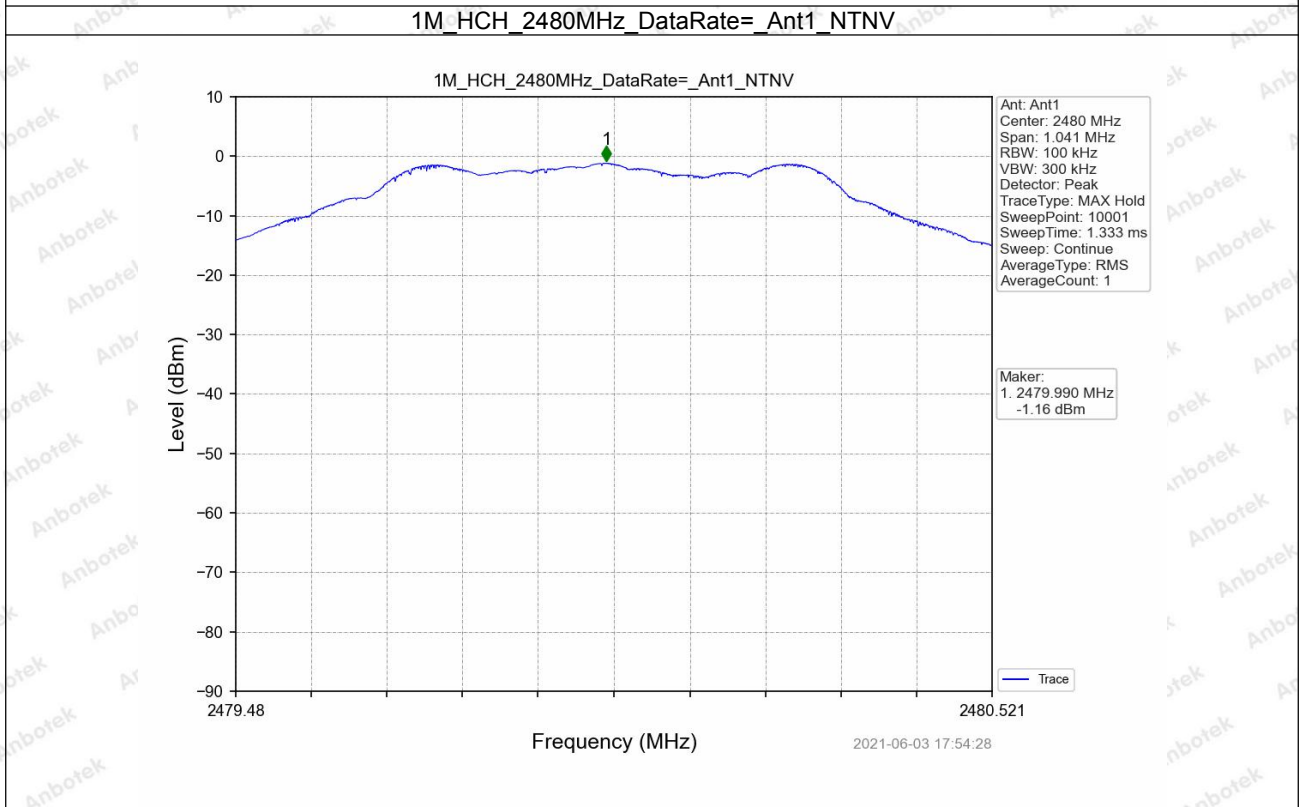
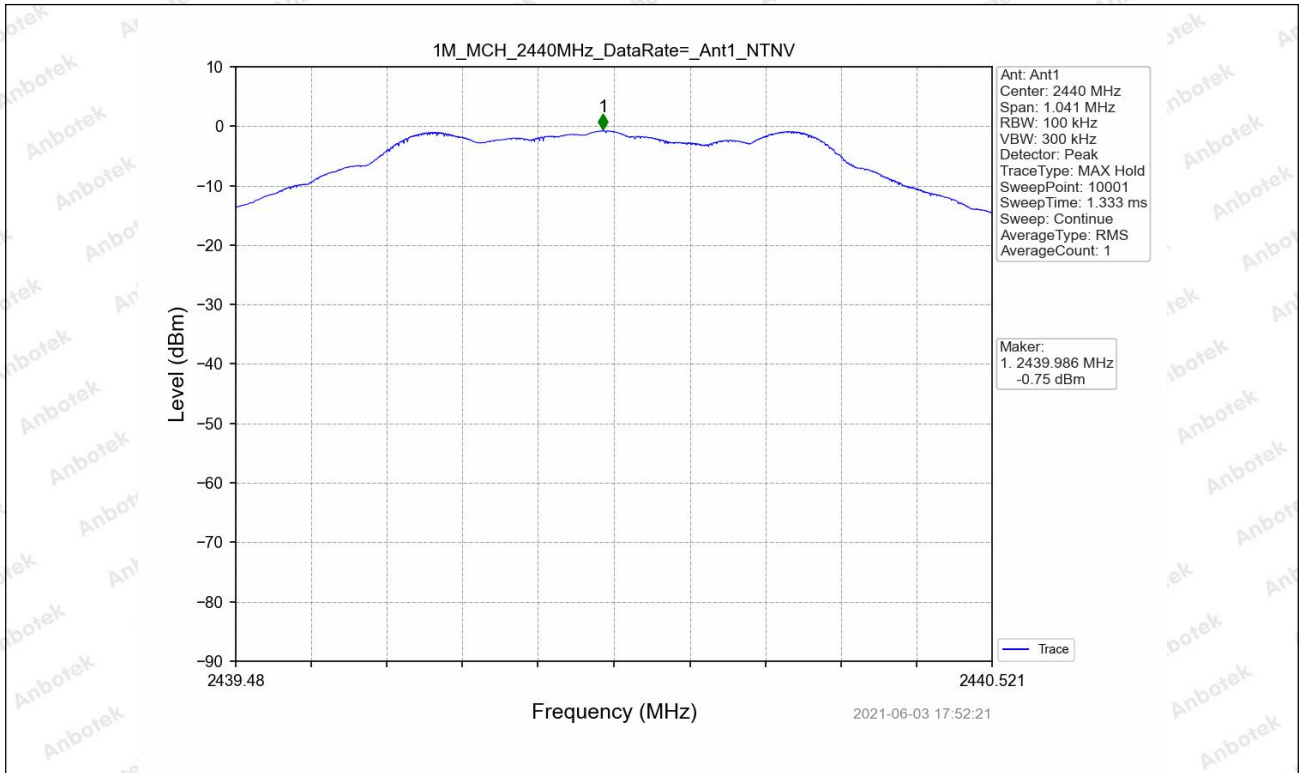
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-0.88	/	/
		2440	1	-0.75	/	/
		2480	1	-1.16	/	/

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





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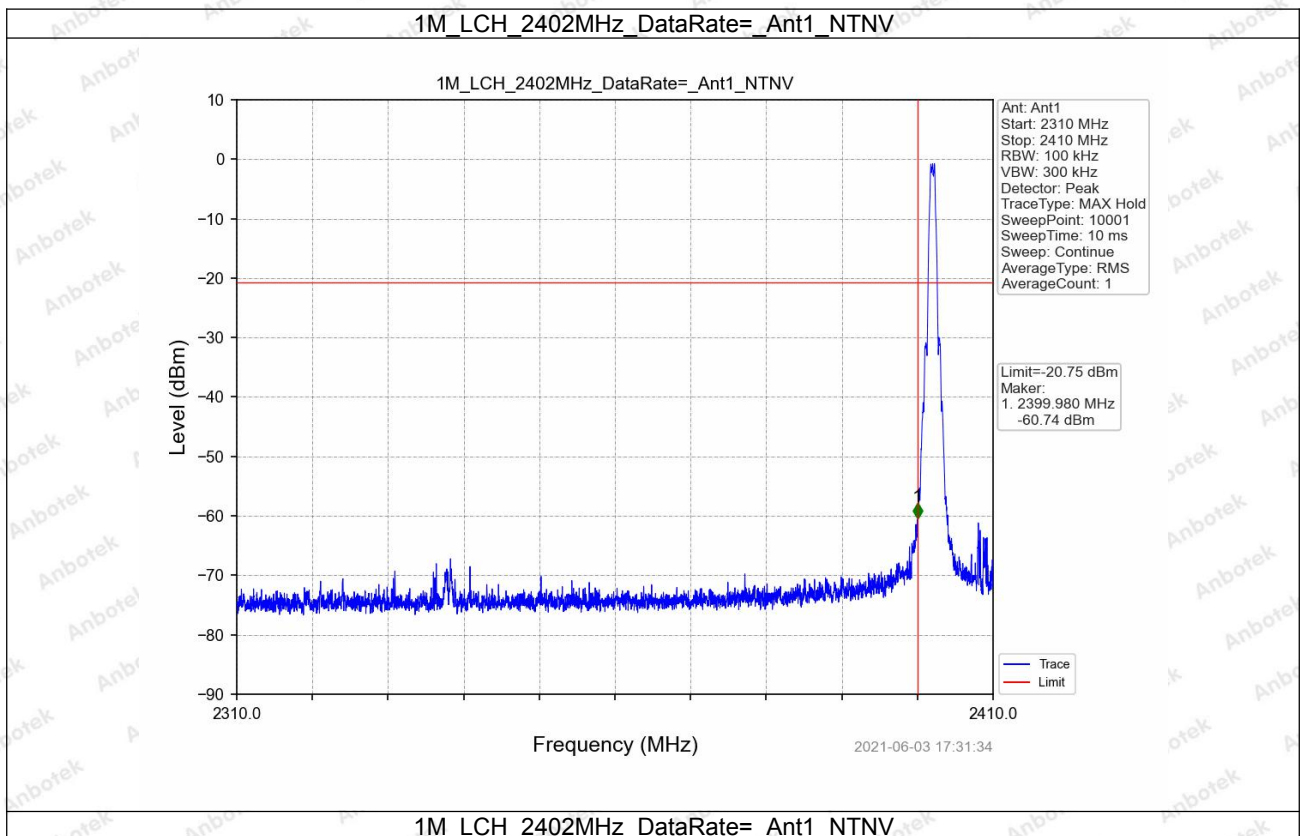
5.2 CSE

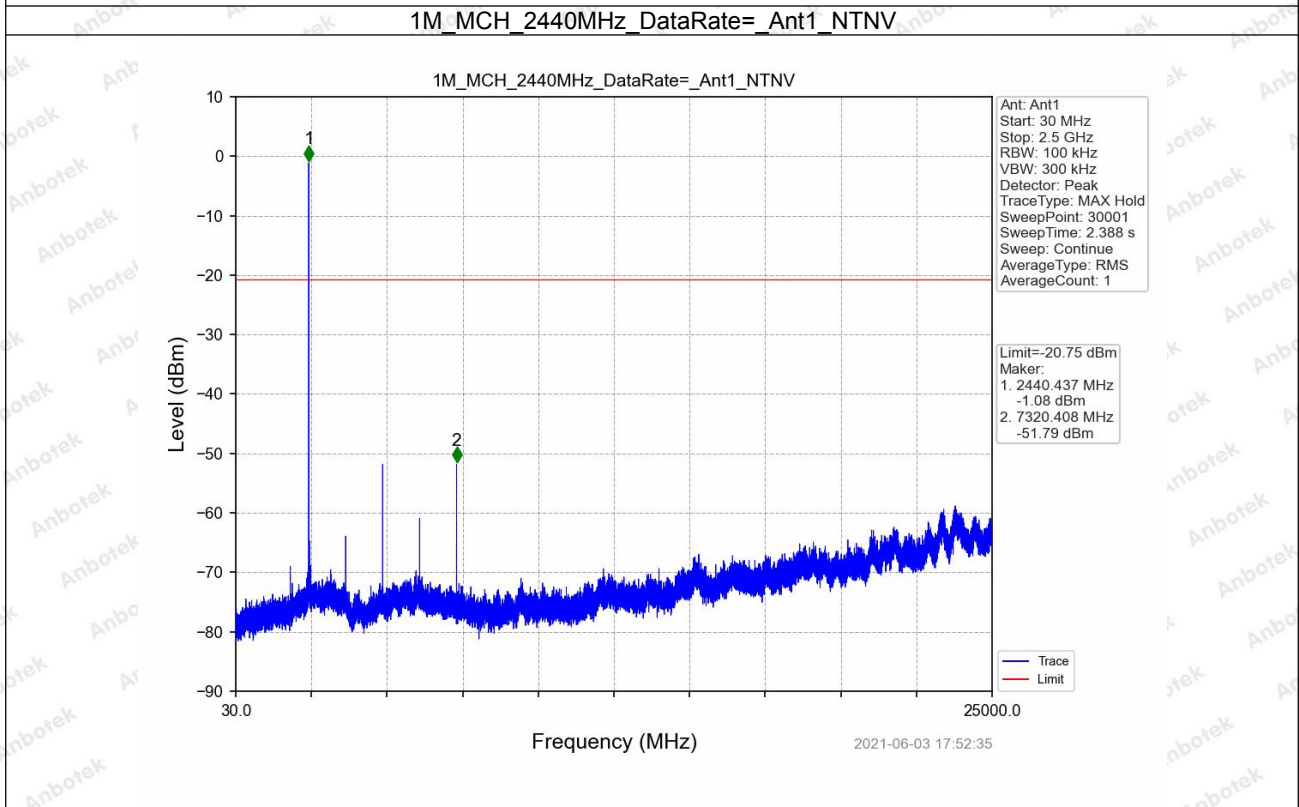
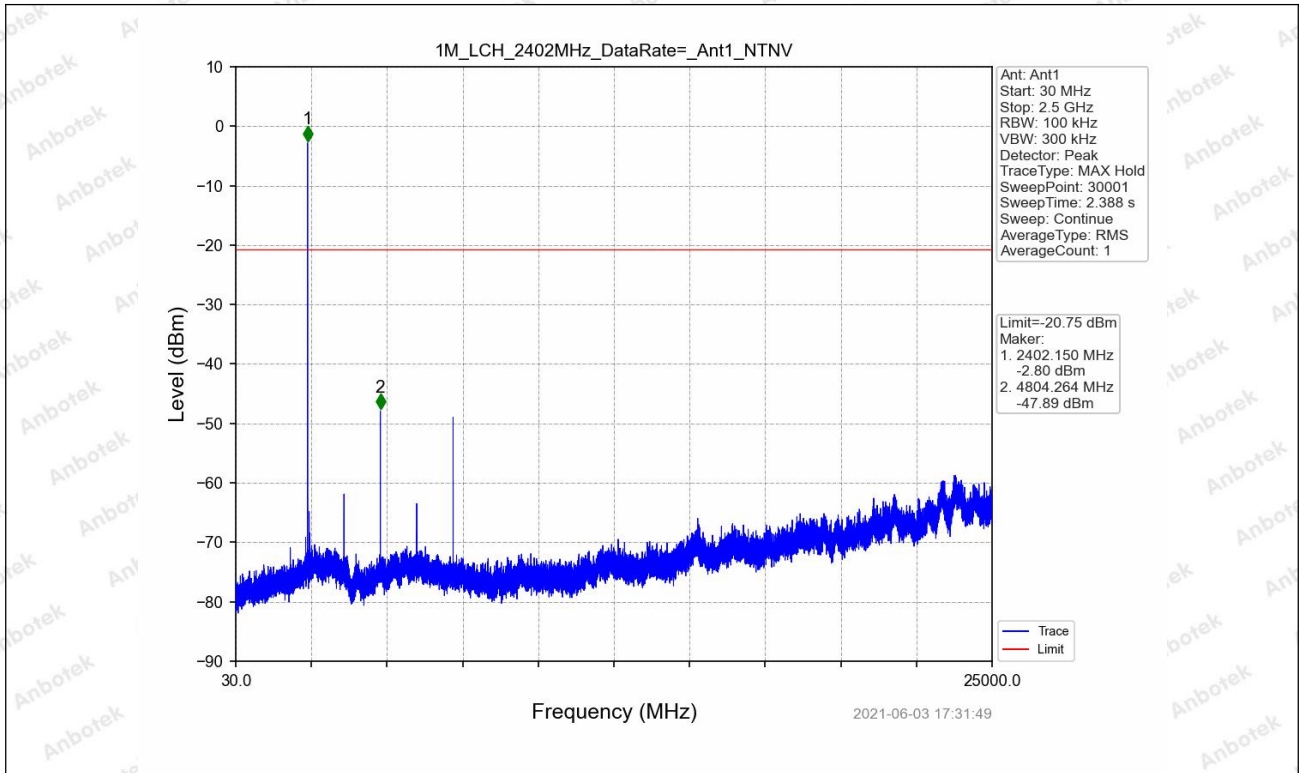
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	Refer To Test Graph	<=-20.75	Pass
		2440	1	Refer To Test Graph	<=-20.75	Pass
		2480	1	Refer To Test Graph	<=-20.75	Pass

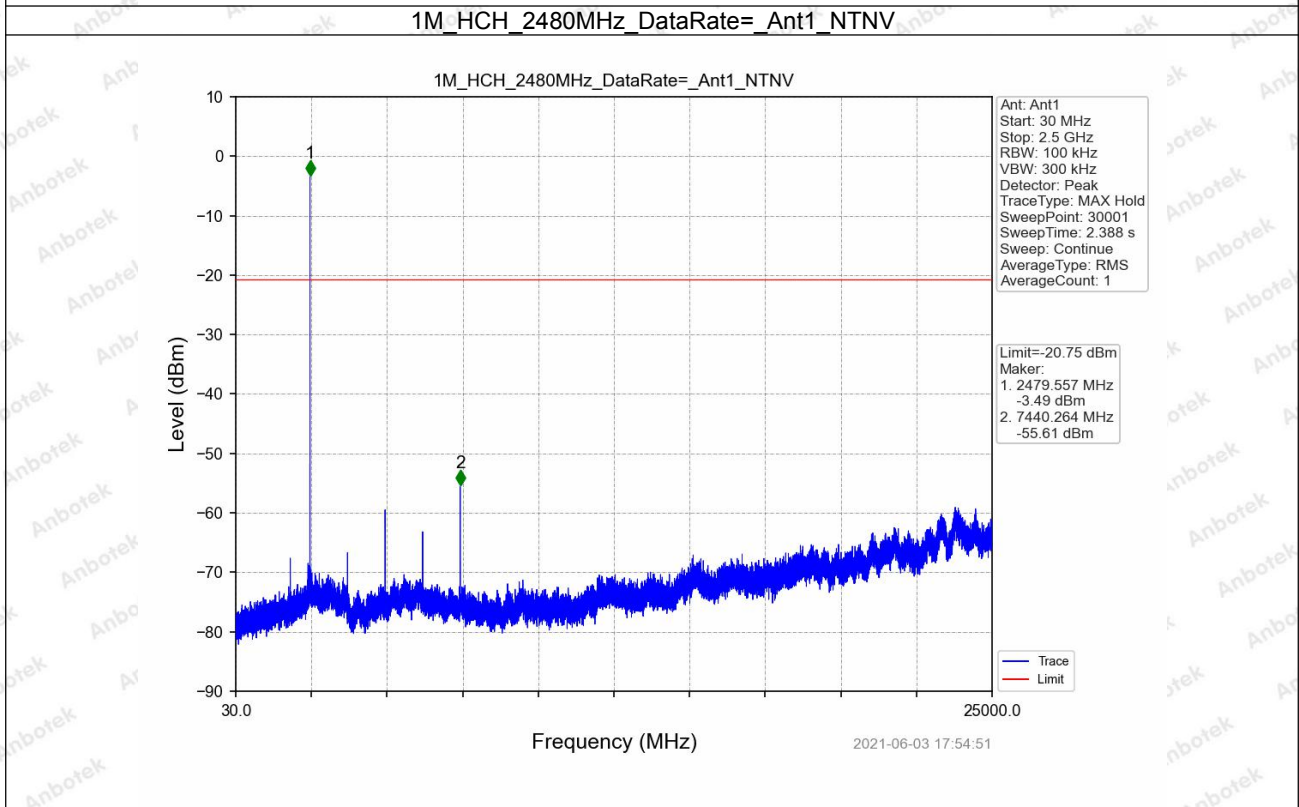
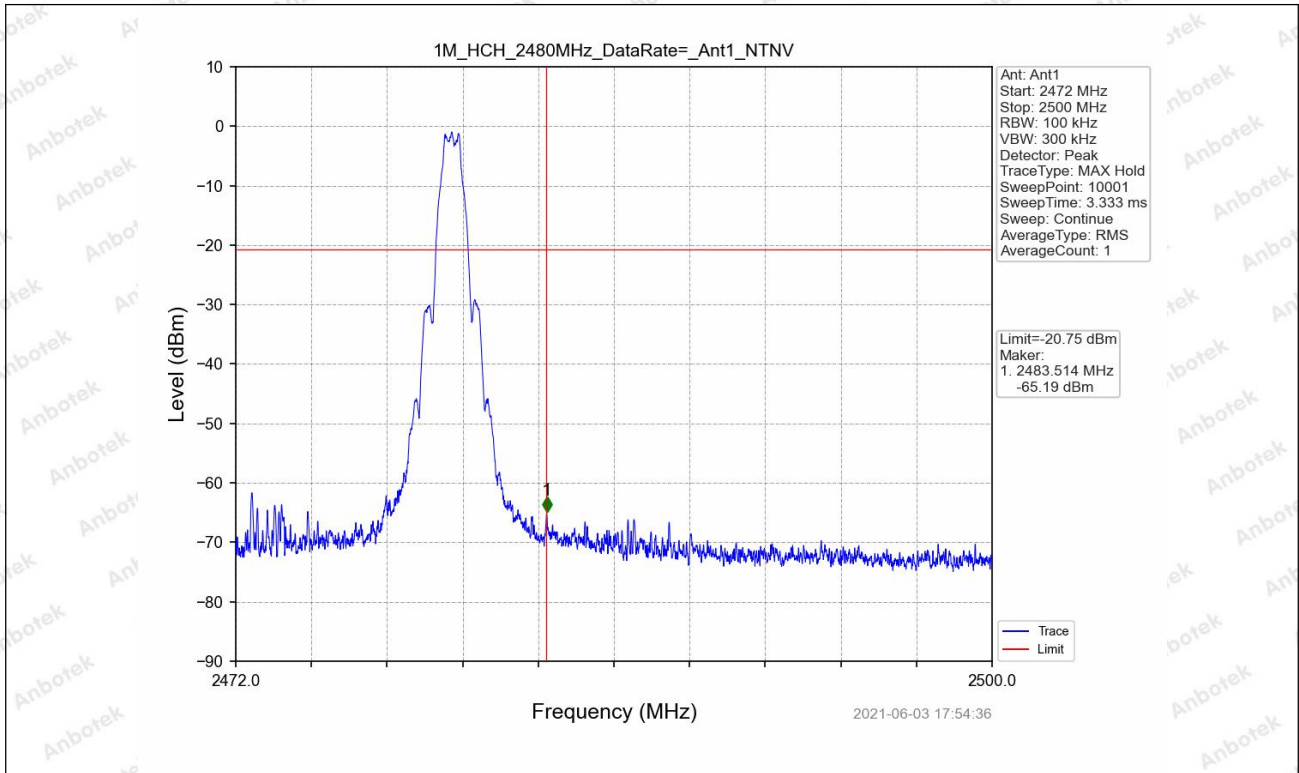
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph





1M_HCH_2480MHz_DataRate= Ant1_NTNV



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