

Appendix Test Data

Project No.:	18220WC10141002	Test Date:	2021.6.28
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	61.12	2.14	0.03
		2440	0.38	0.62	61.12	2.14	0.00
		2480	0.38	0.62	61.12	2.14	0.00

Note1: Only for Report Use

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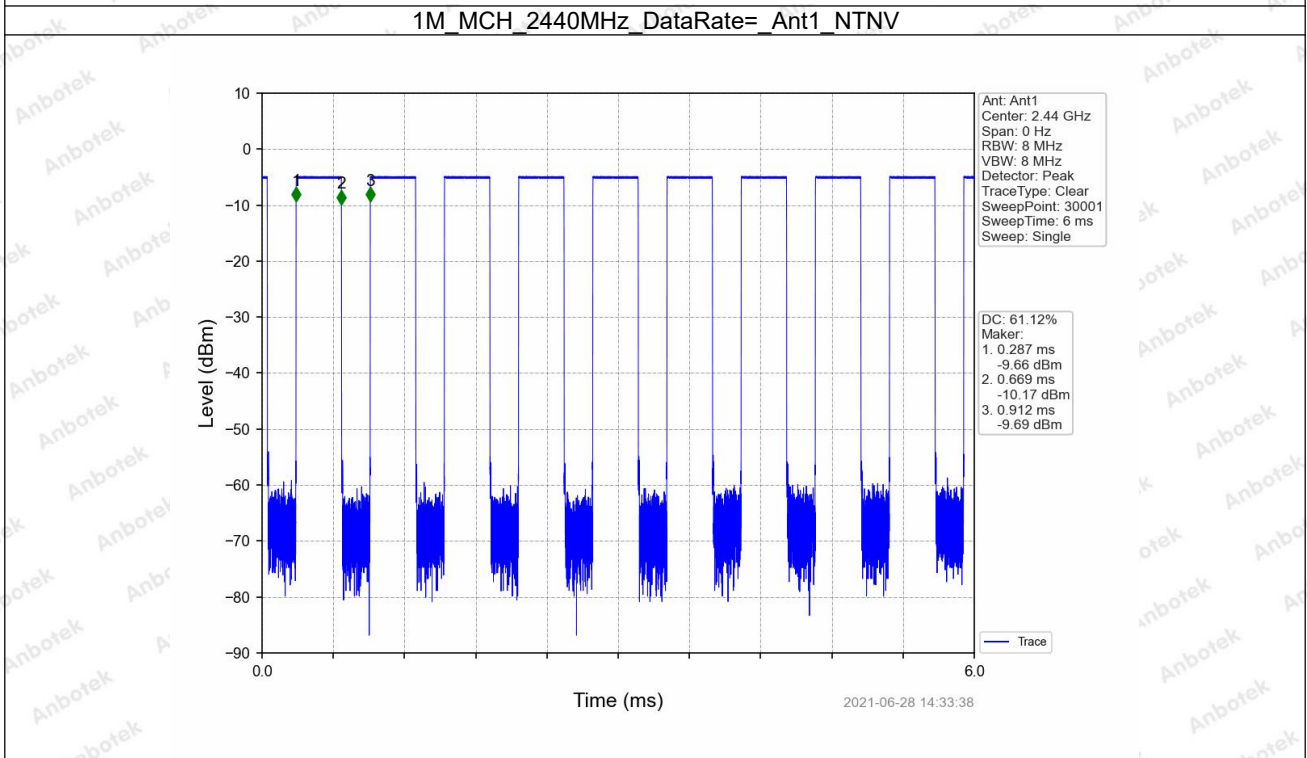
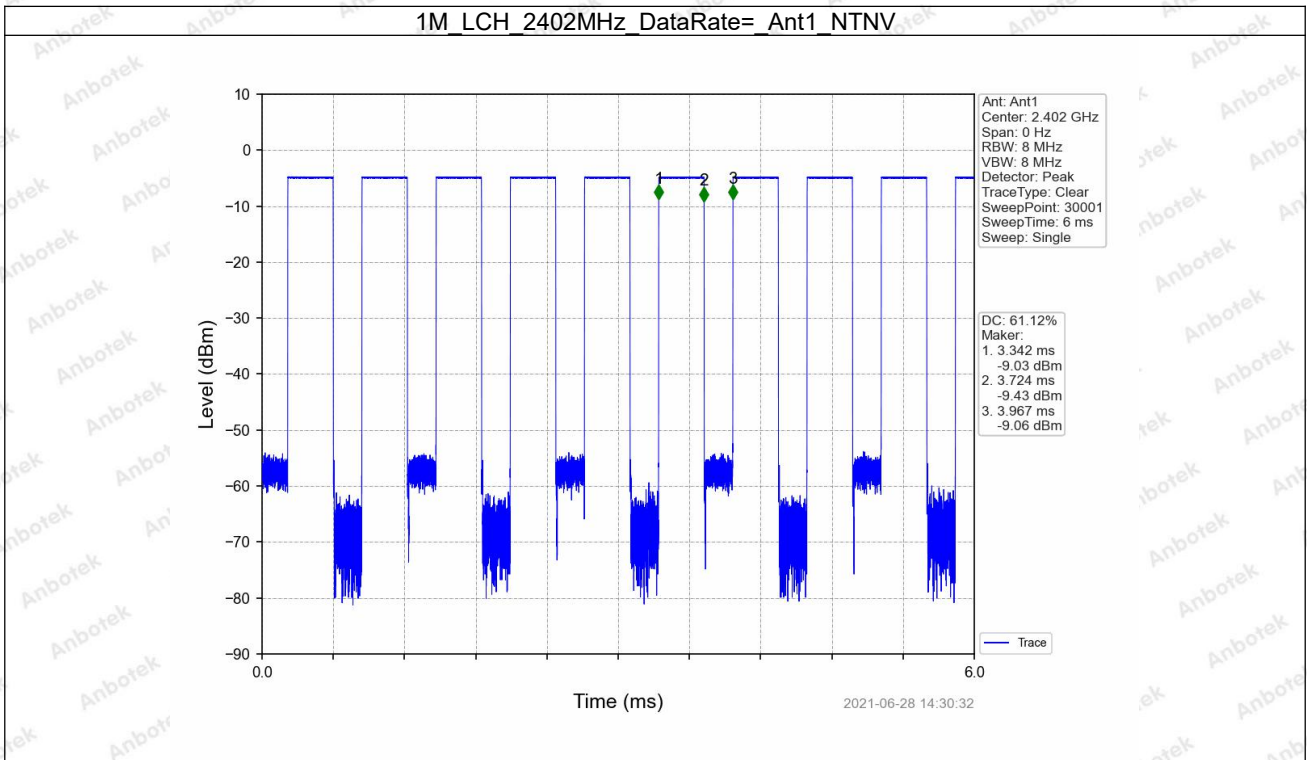


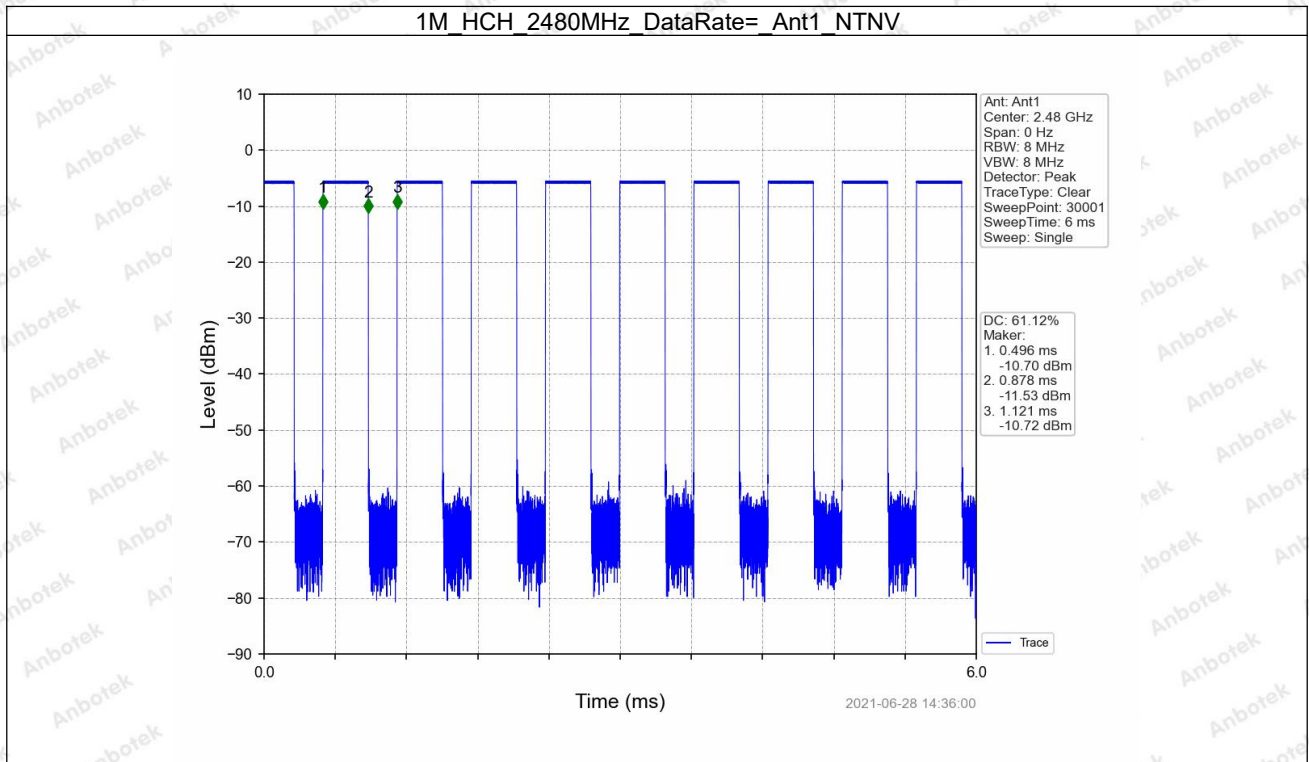
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1.1.2 Test Graph





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2. Bandwidth

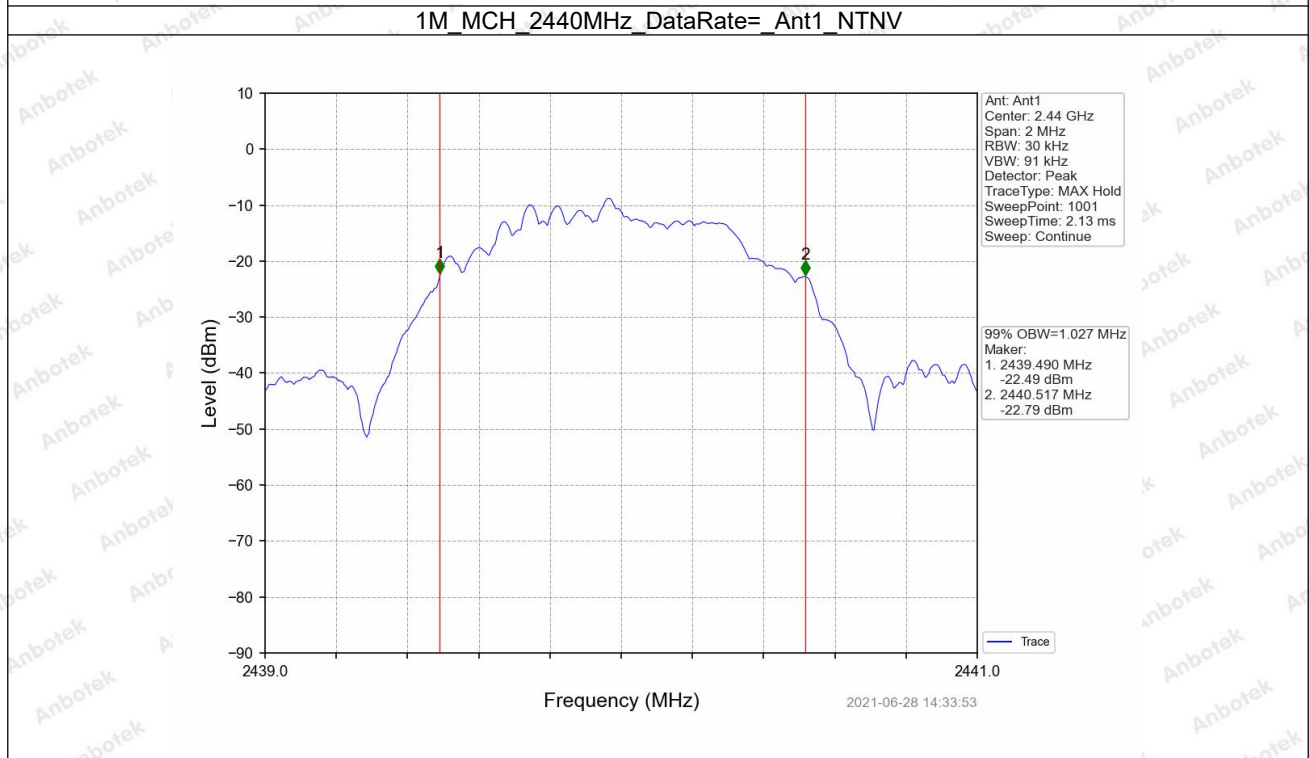
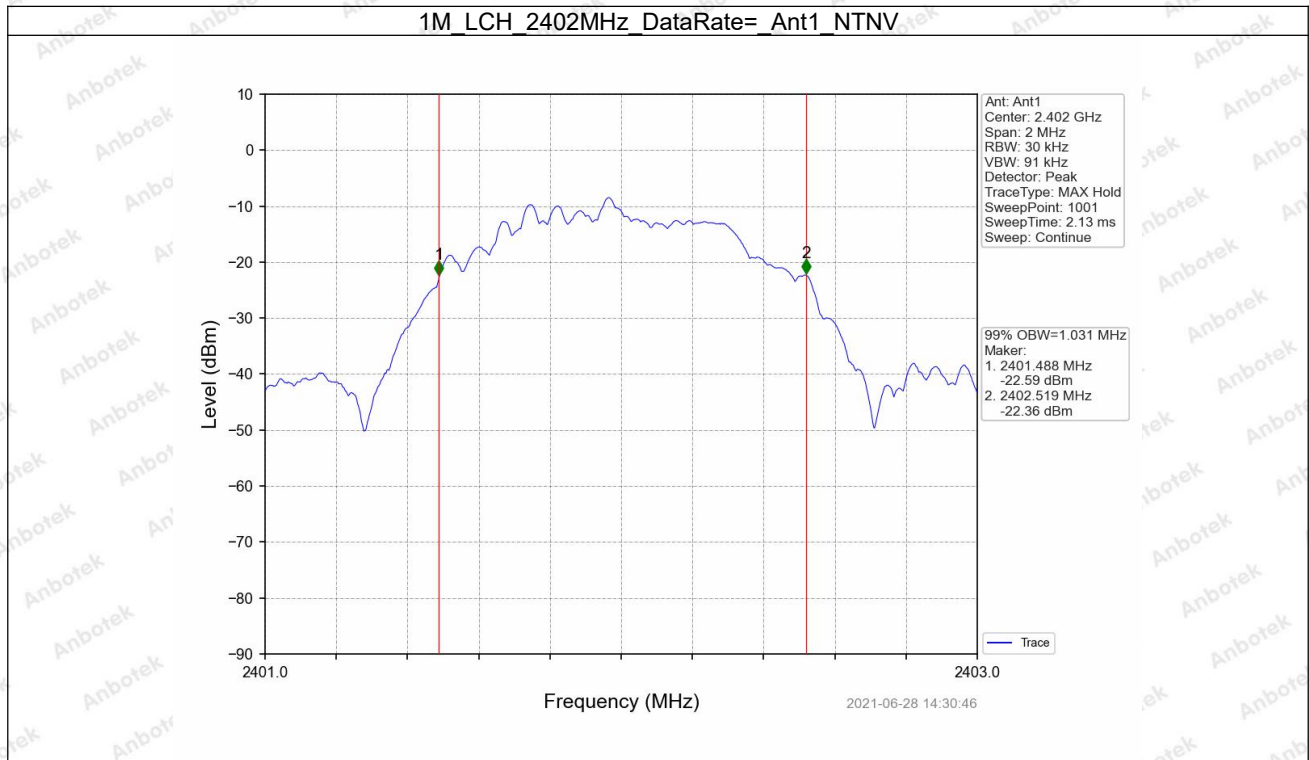
2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1M	SISO	2402	1	1.03	/	Note1
		2440	1	1.03	/	Note1
		2480	1	1.03	/	Note1

Note1: Only for Report Use

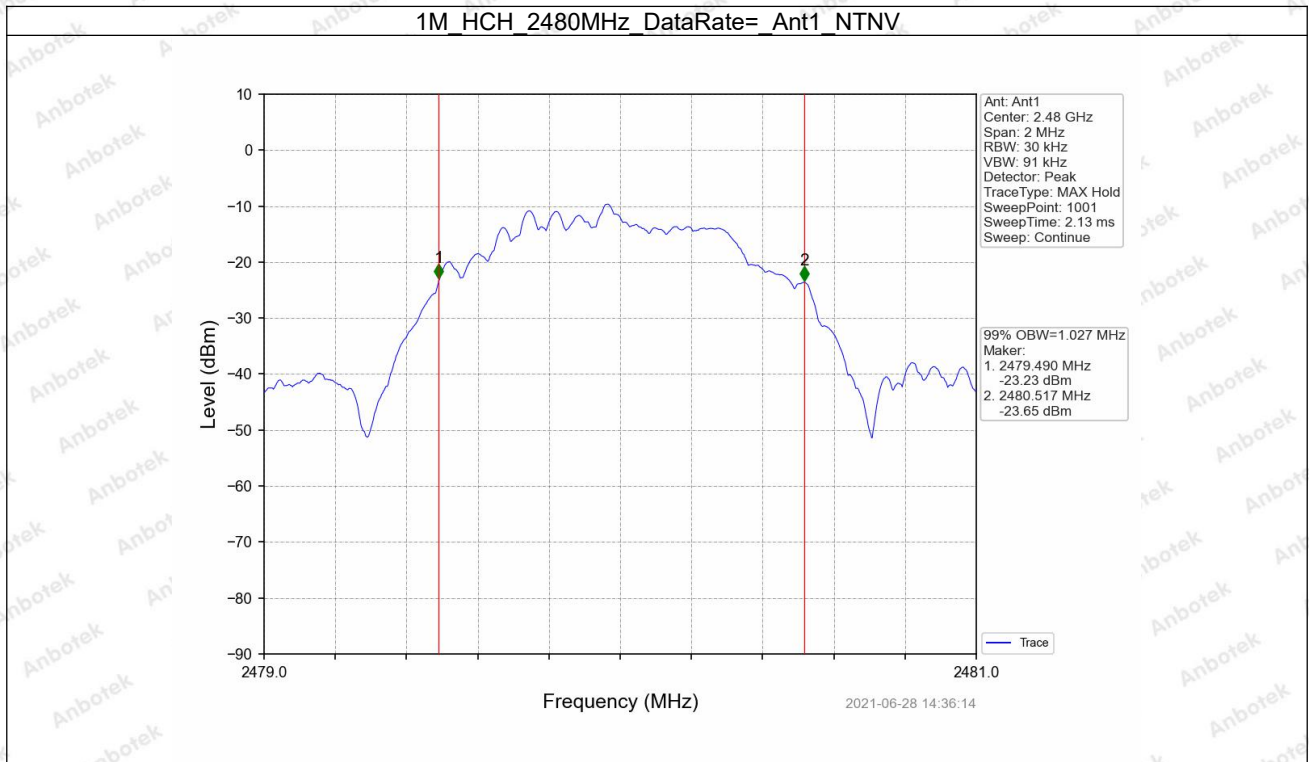
2.1.2 Test Graph



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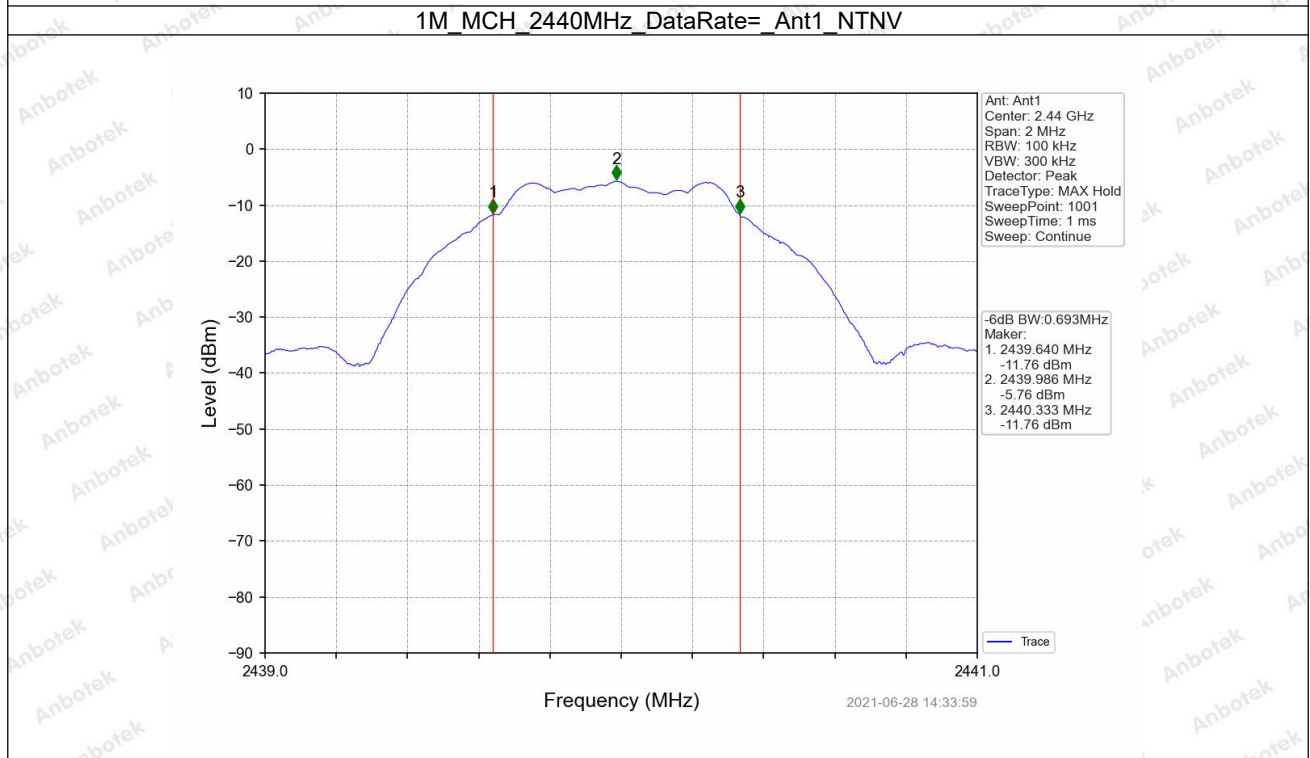
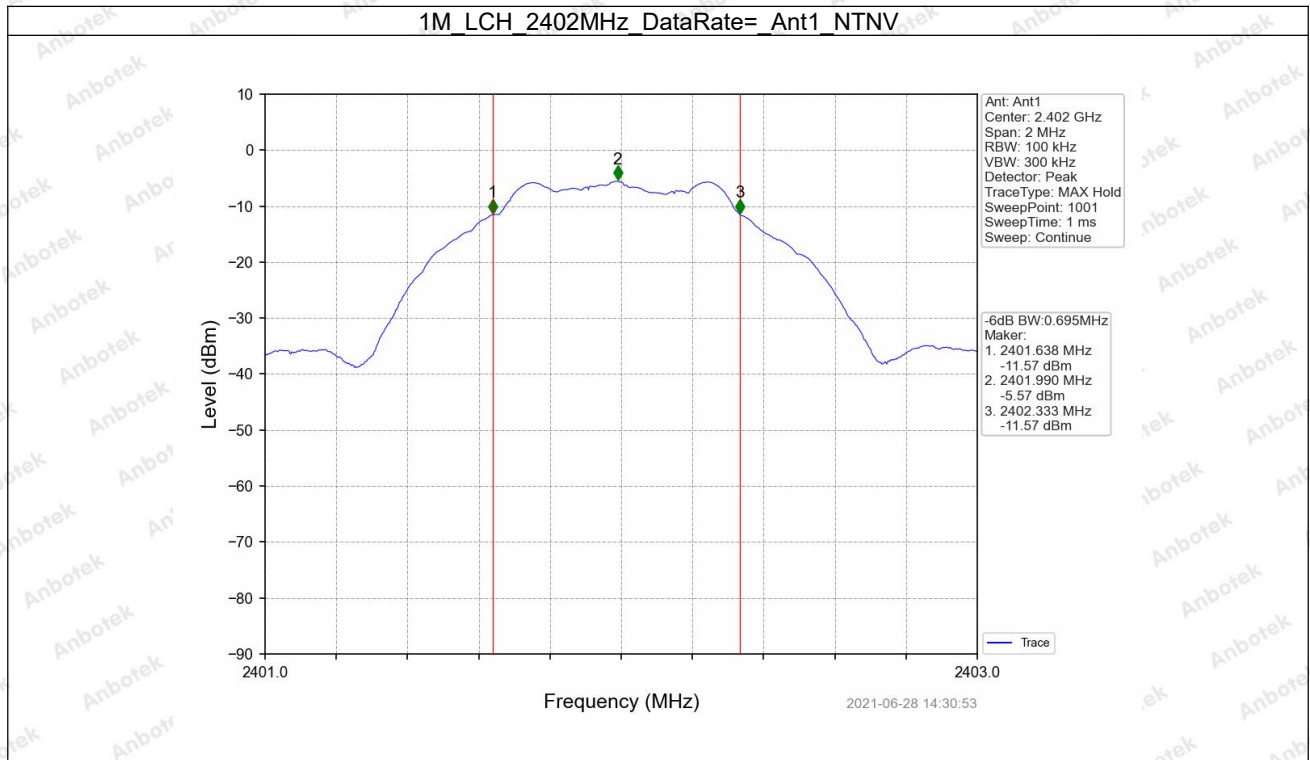
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
1M	SISO	2402	1	0.69	≥ 0.5	Pass
		2440	1	0.69	≥ 0.5	Pass
		2480	1	0.69	≥ 0.5	Pass

2.2.2 Test Graph

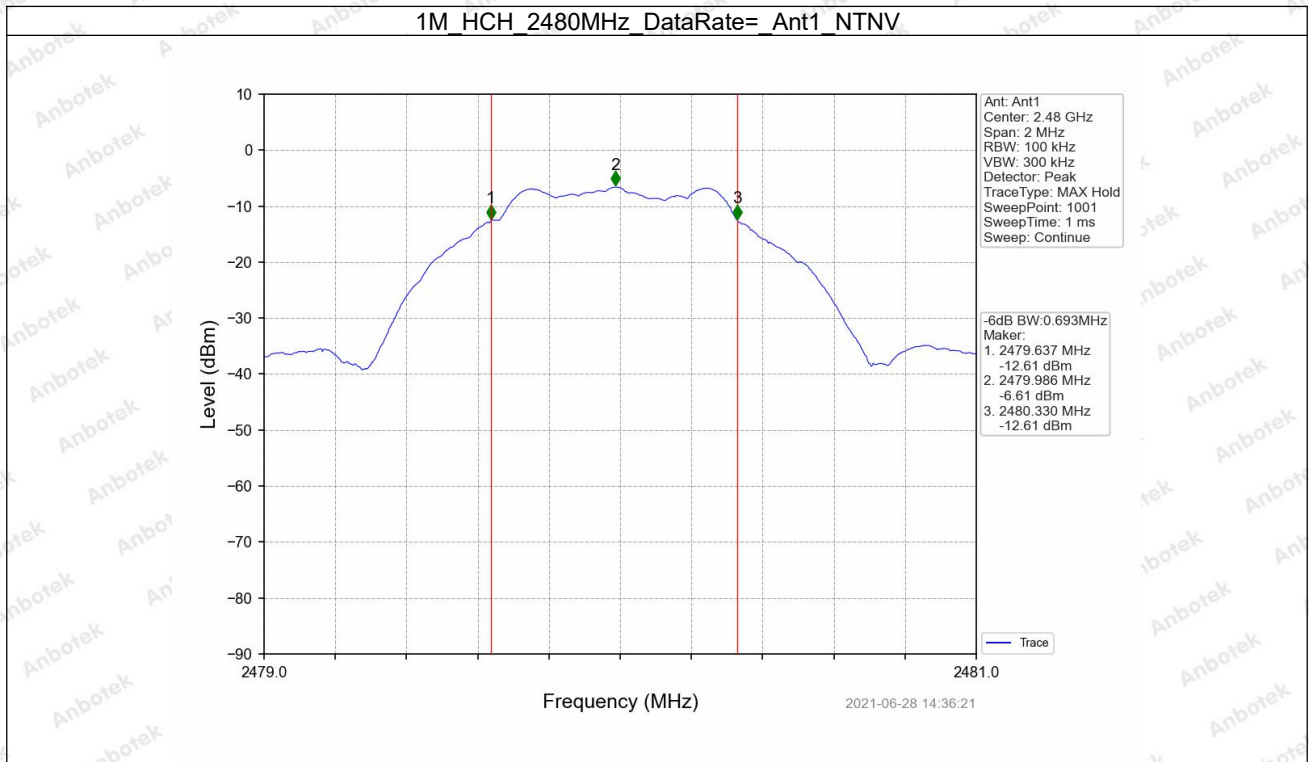


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3. Maximum Conducted Output Power

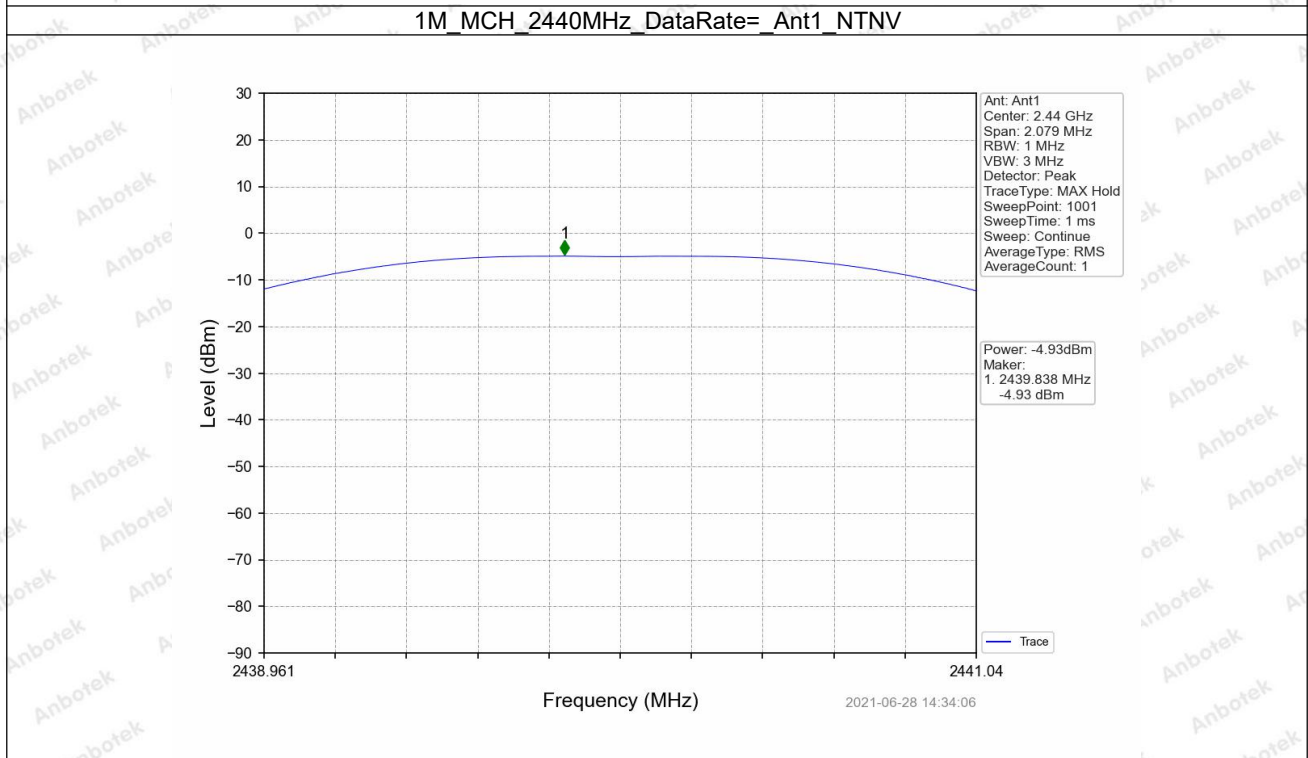
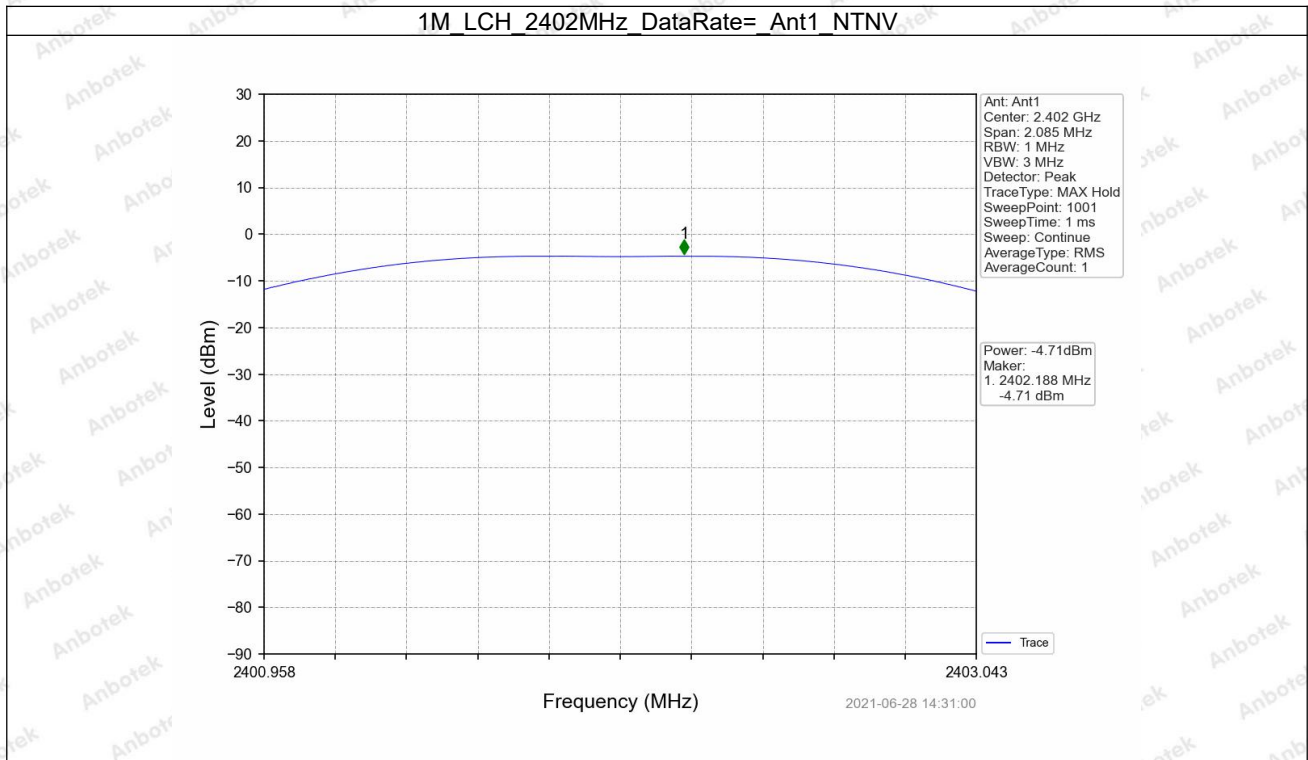
3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Peak Output Power (dBm)		Limit (dBm)	Verdict
			Ant1			
1M	SISO	2402	-4.71		<=30	Pass
		2440	-4.93		<=30	Pass
		2480	-5.77		<=30	Pass

Note1: Antenna Gain: 2.80dBi;

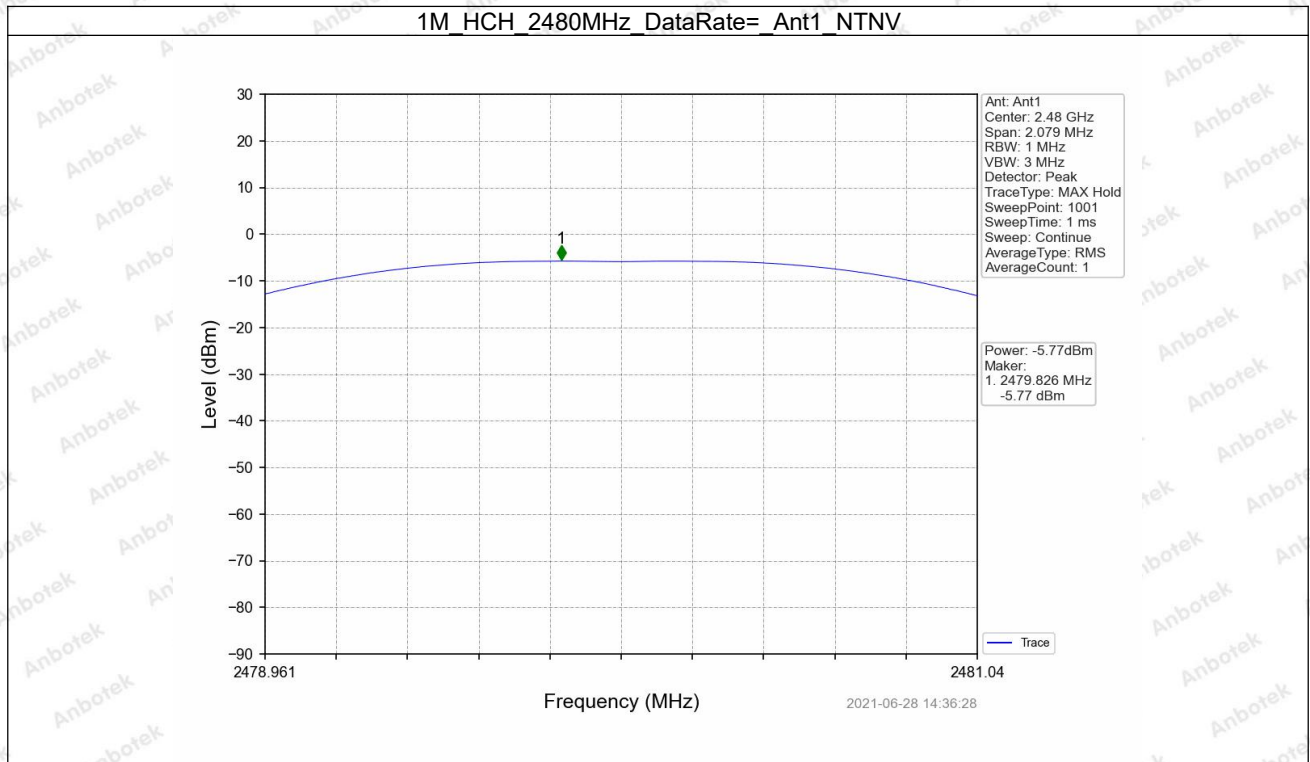
3.1.2 Test Graph



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4. Maximum Power Spectral Density

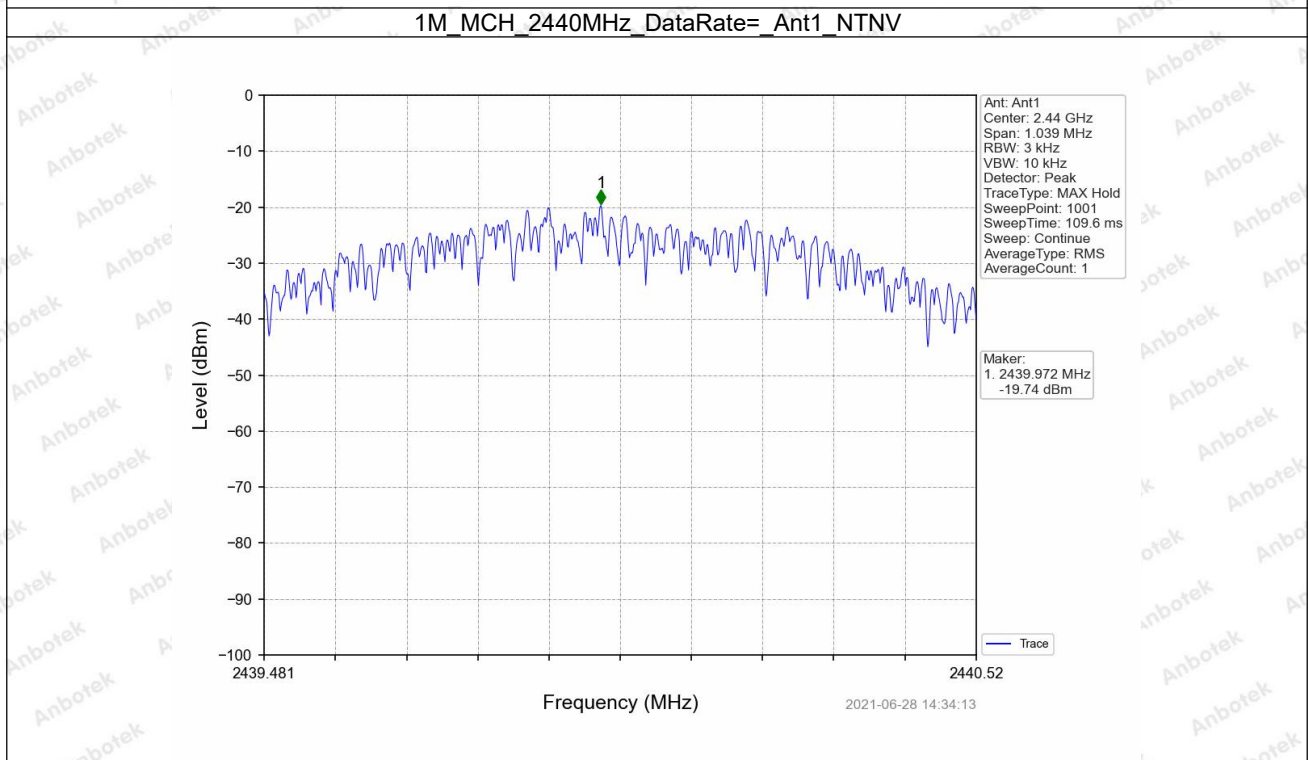
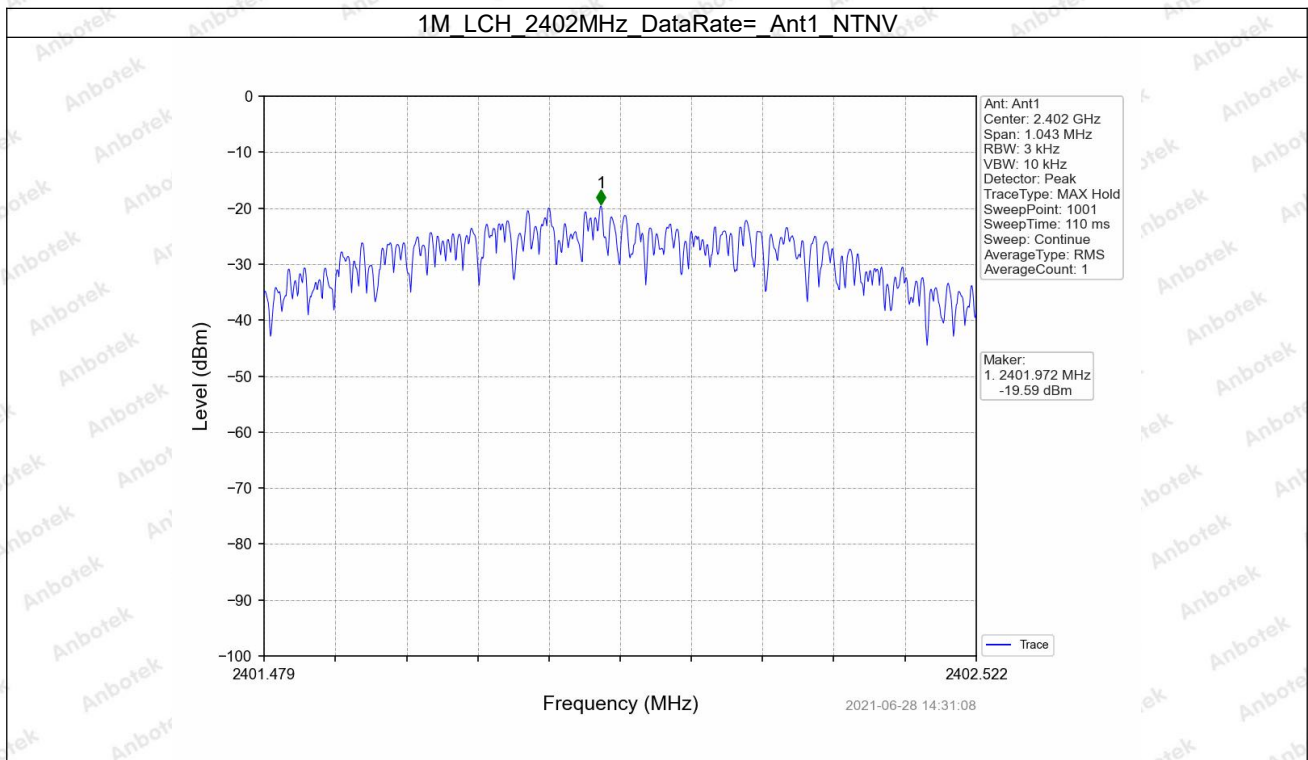
4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
			Ant1		
1M	SISO	2402	-19.59	<=8	Pass
		2440	-19.74	<=8	Pass
		2480	-20.72	<=8	Pass

Note1: Antenna Gain: 2.80dBi;

4.1.2 Test Graph

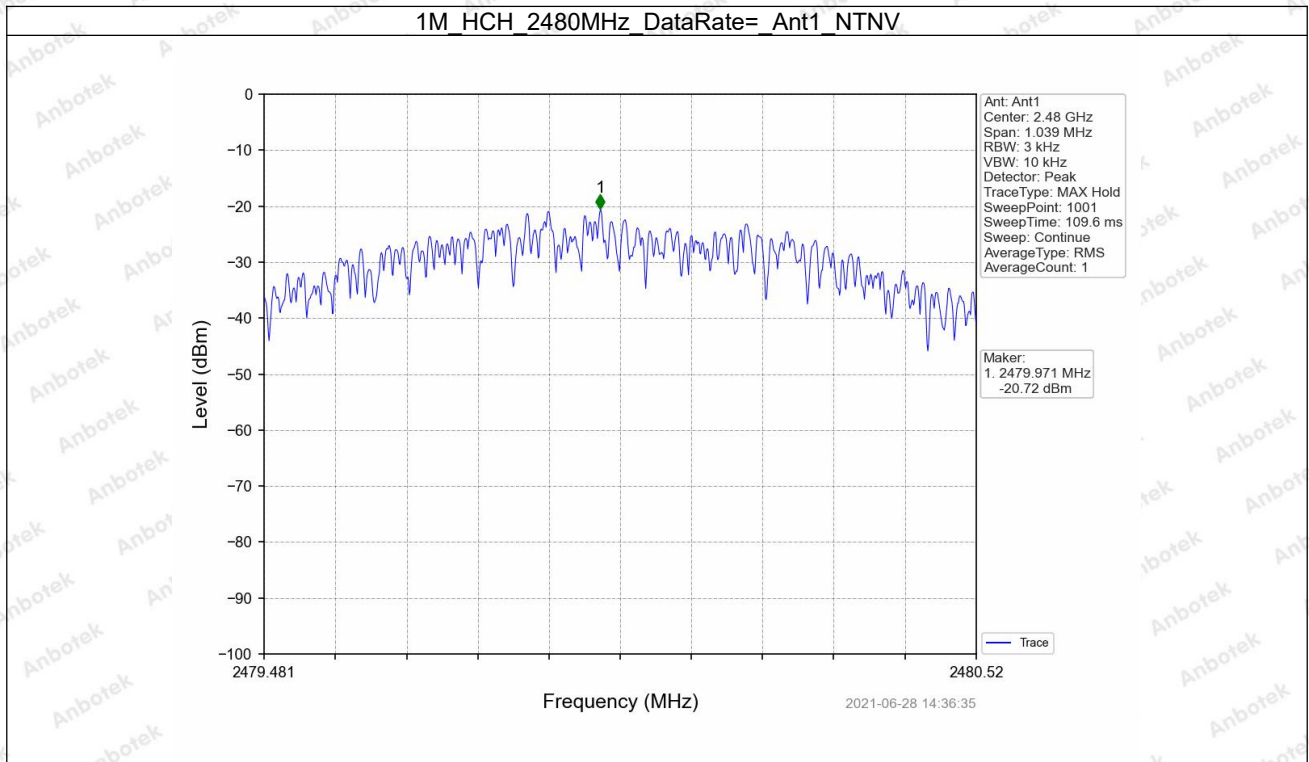


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5. Unwanted Emissions In Non-restricted Frequency Bands

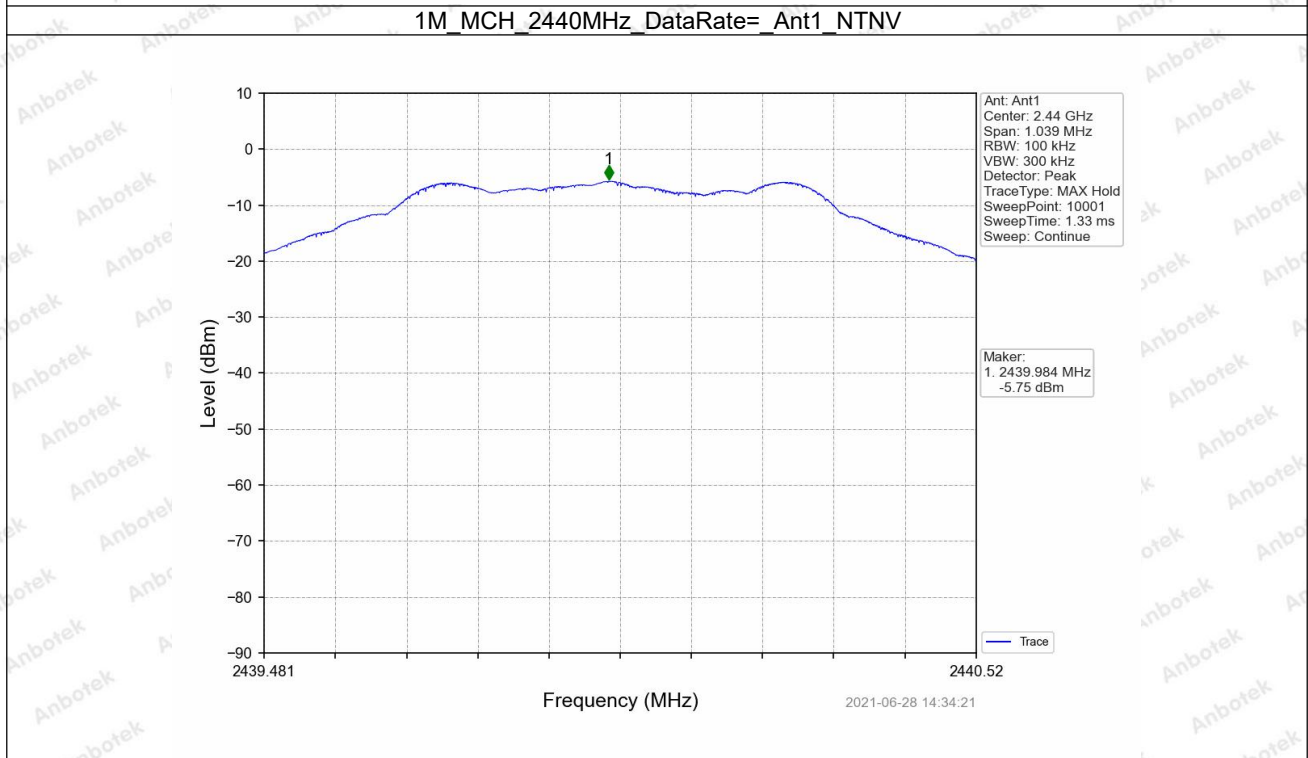
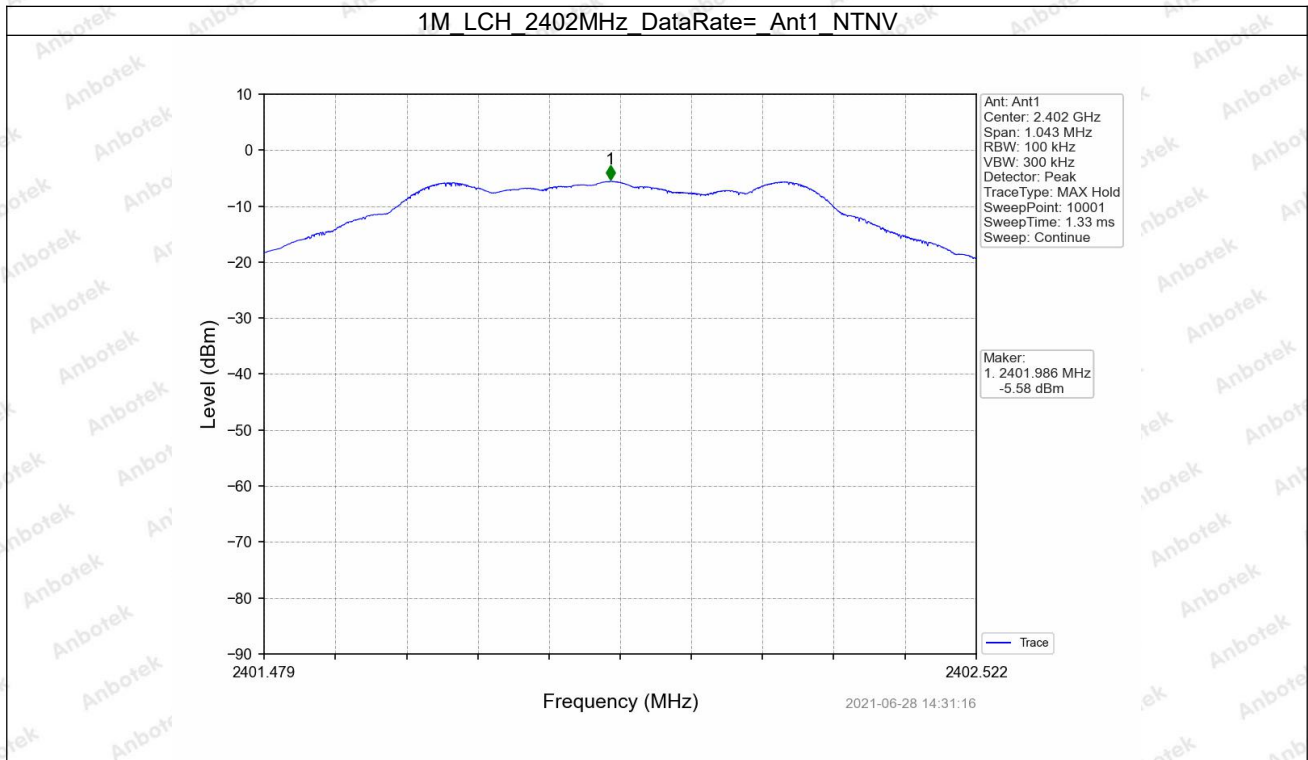
5.1 Ref

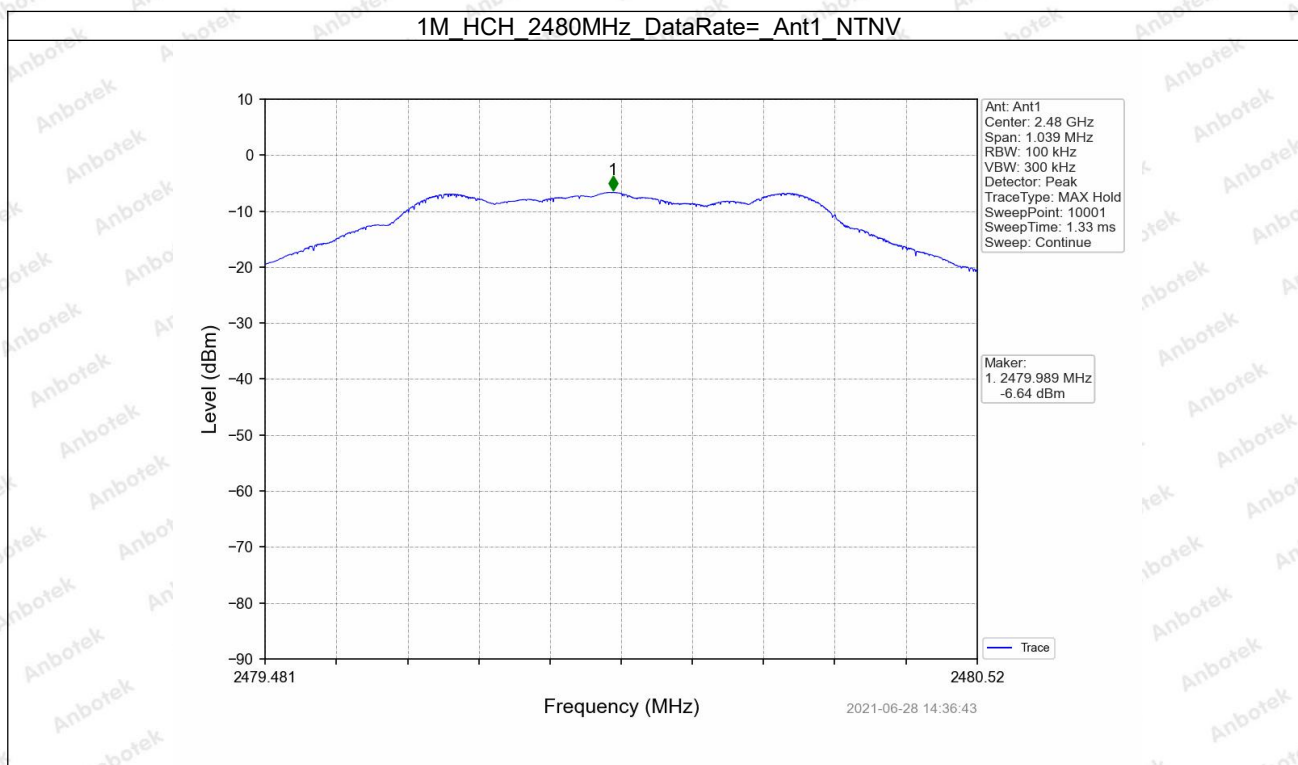
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-5.58	/	/
		2440	1	-5.75	/	/
		2480	1	-6.64	/	/

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

5.1.2 Test Graph





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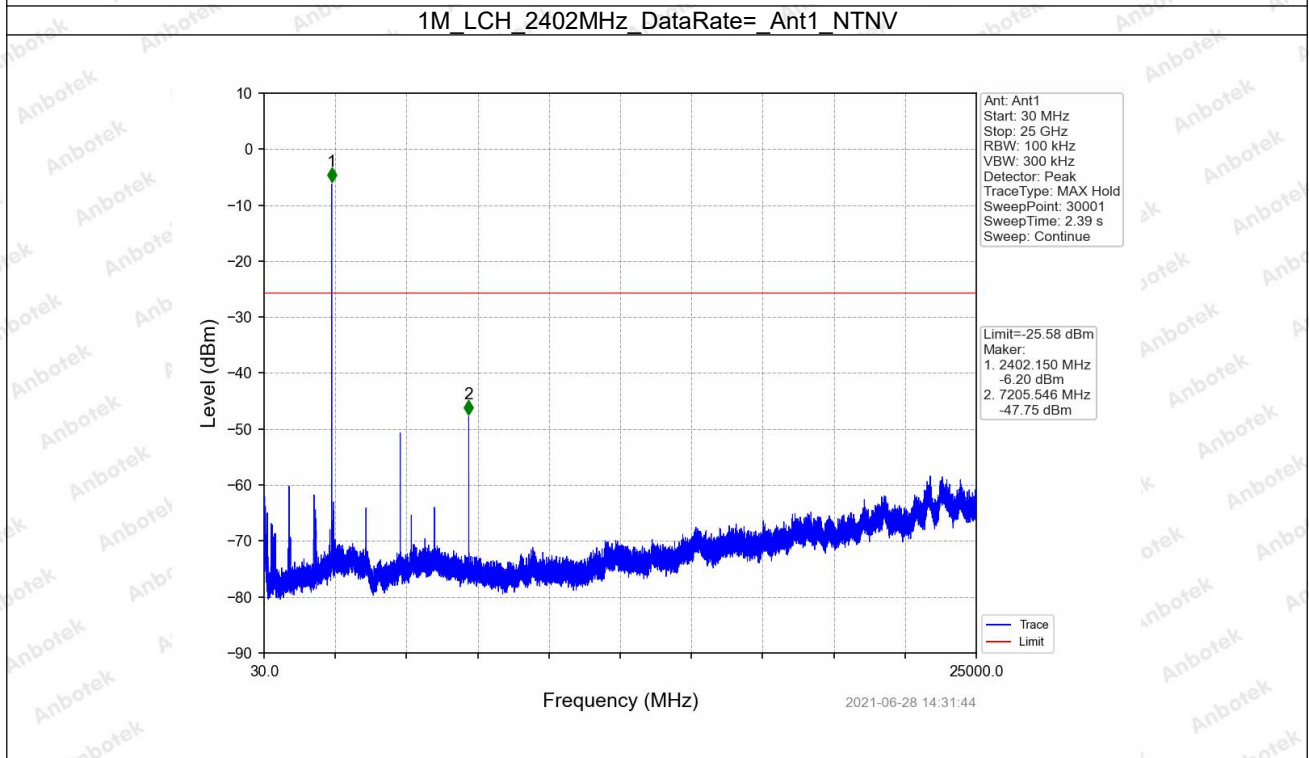
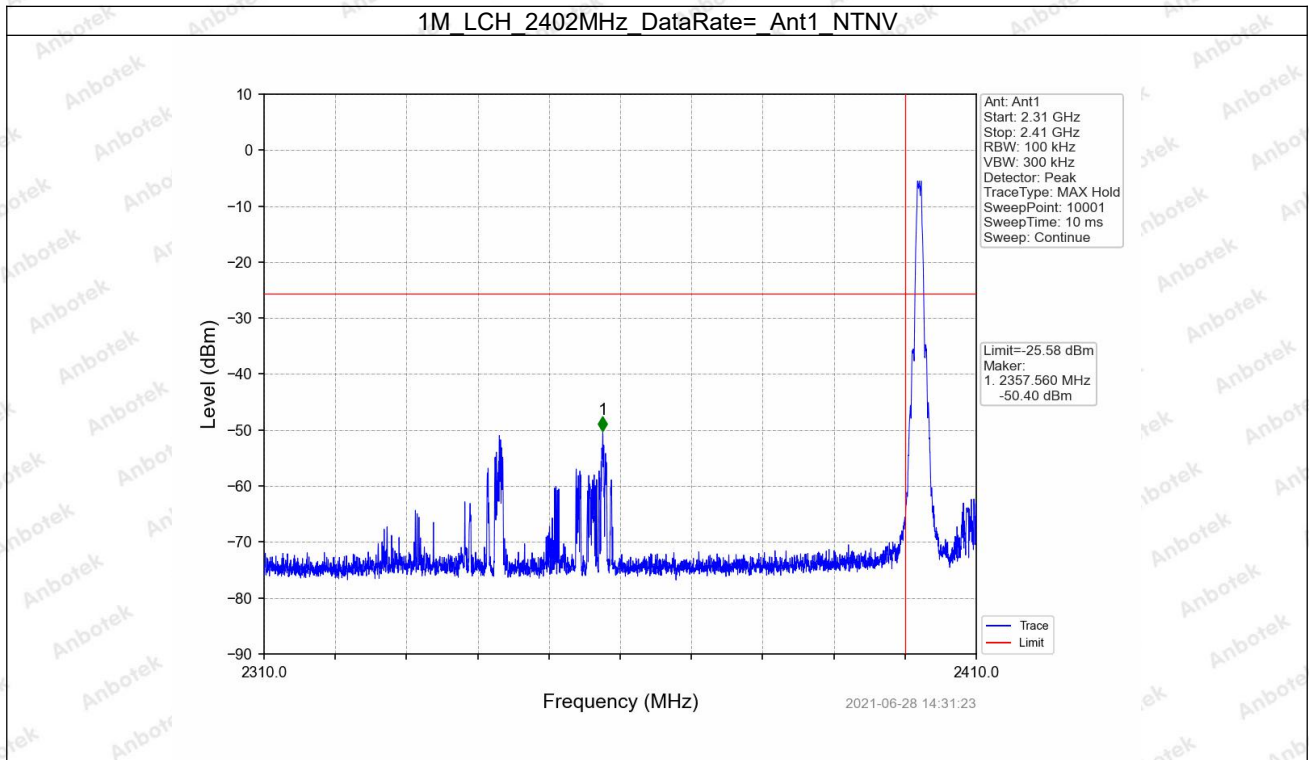
5.2 CSE

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	Refer To Test Graph	Pass
		2440	1	Refer To Test Graph	Refer To Test Graph	Pass
		2480	1	Refer To Test Graph	Refer To Test Graph	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph

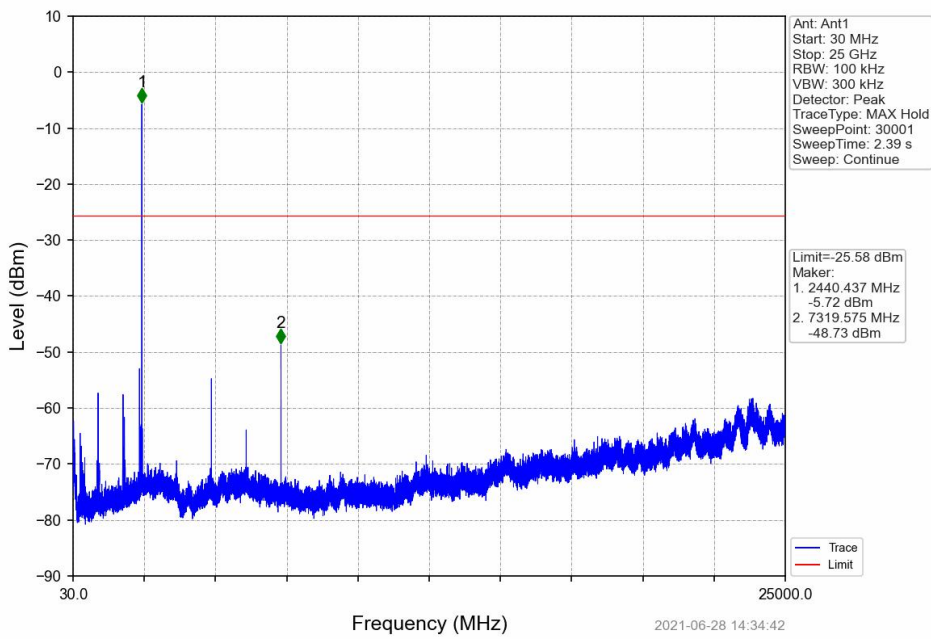


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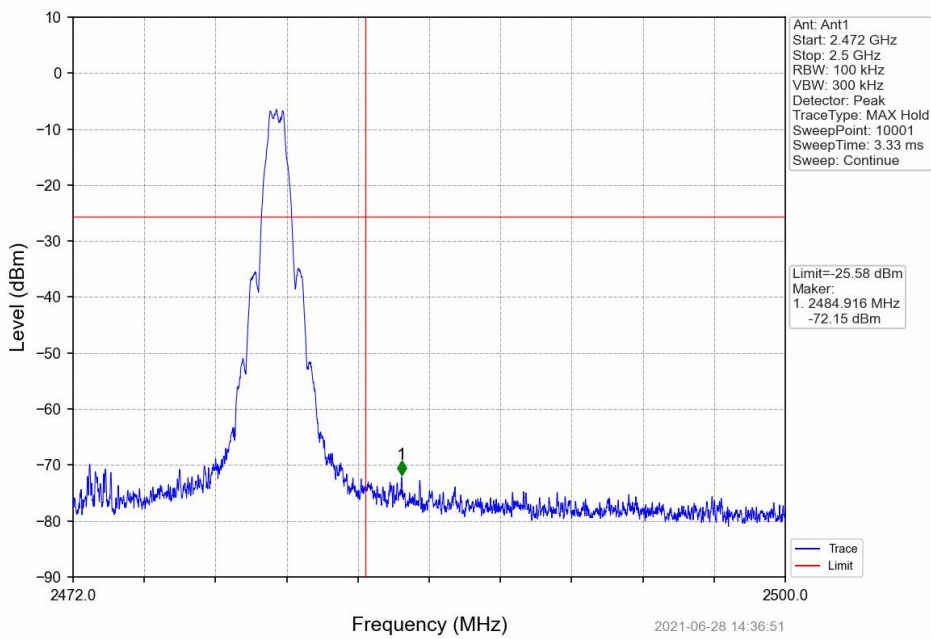
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1M_MCH_2440MHz_DataRate= Ant1_NTNV



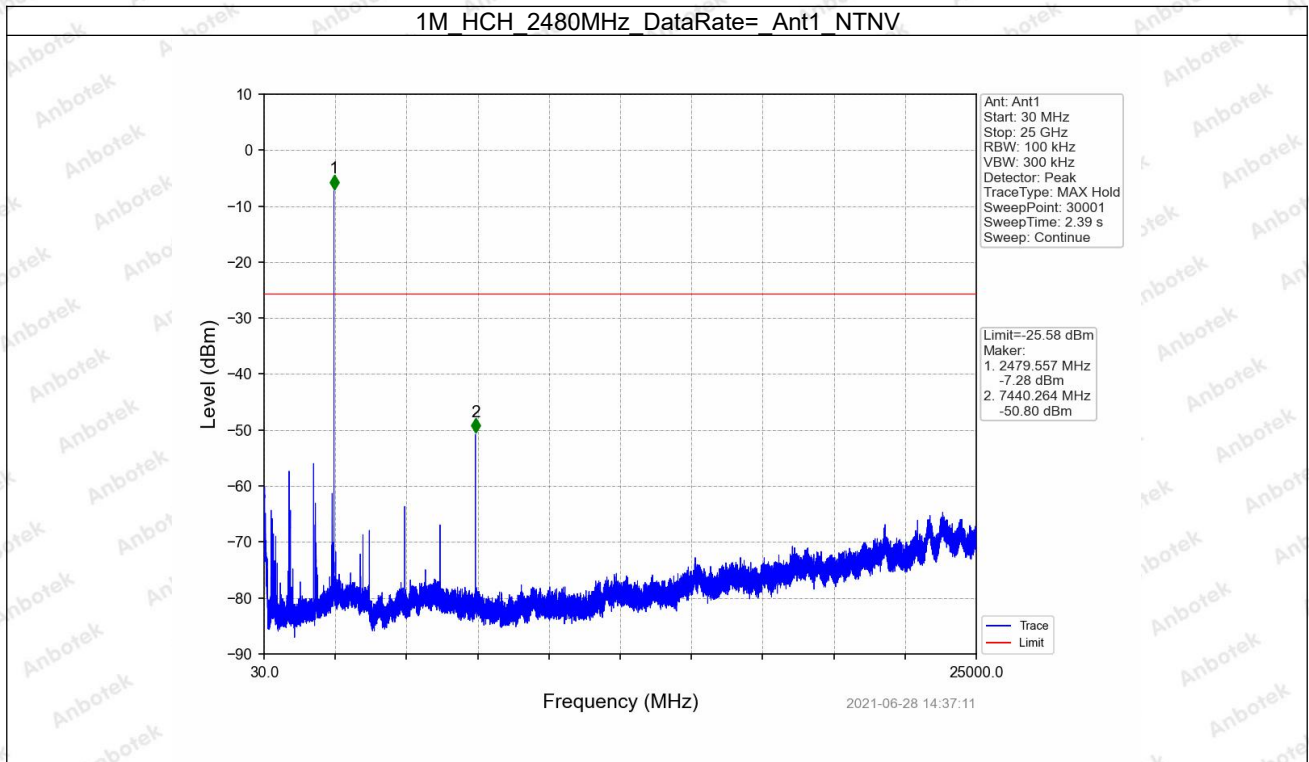
1M_HCH_2480MHz_DataRate= Ant1_NTNV



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