

Appendix B for SHCR212010005402-BLE

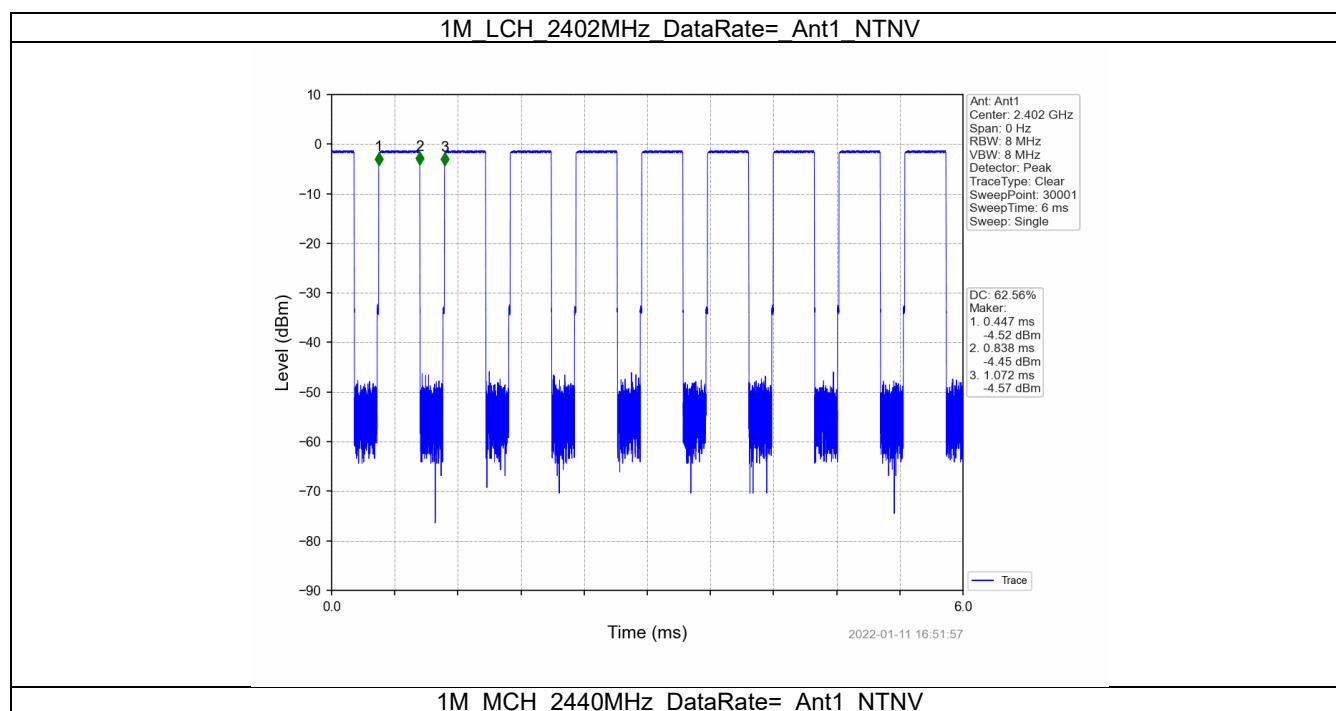
1. Duty Cycle

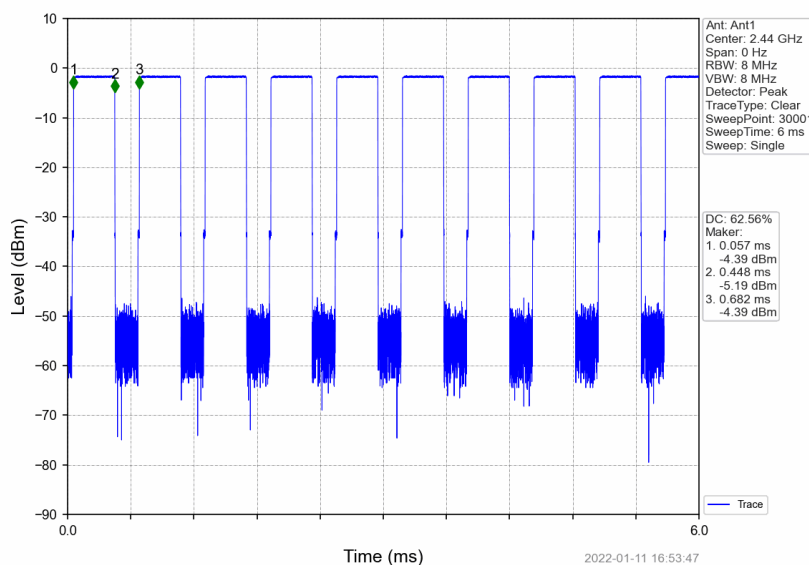
1.1 Ant1

1.1.1 Test Result

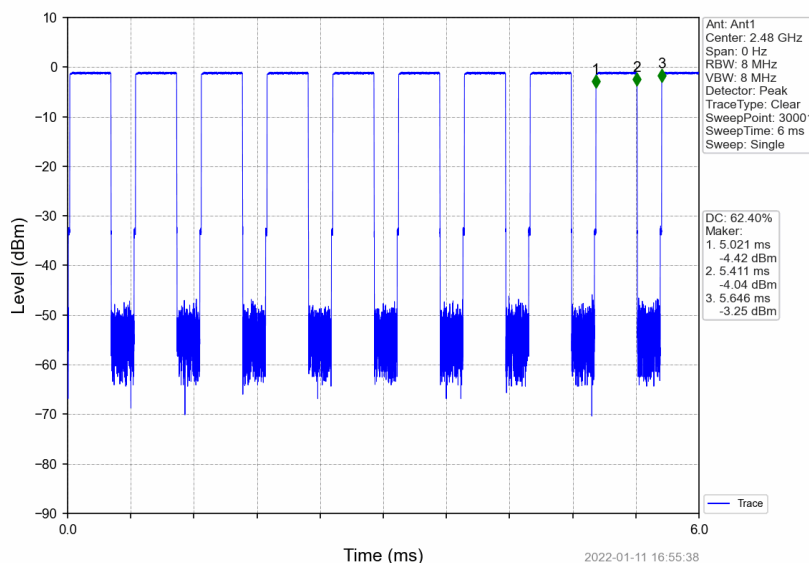
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.391	0.625	62.56	2.04	0.00
		2440	0.391	0.625	62.56	2.04	0.00
		2480	0.390	0.625	62.40	2.05	0.02

1.1.2 Test Graph





1M_HCH_2480MHz_DataRate= Ant1_NTNV



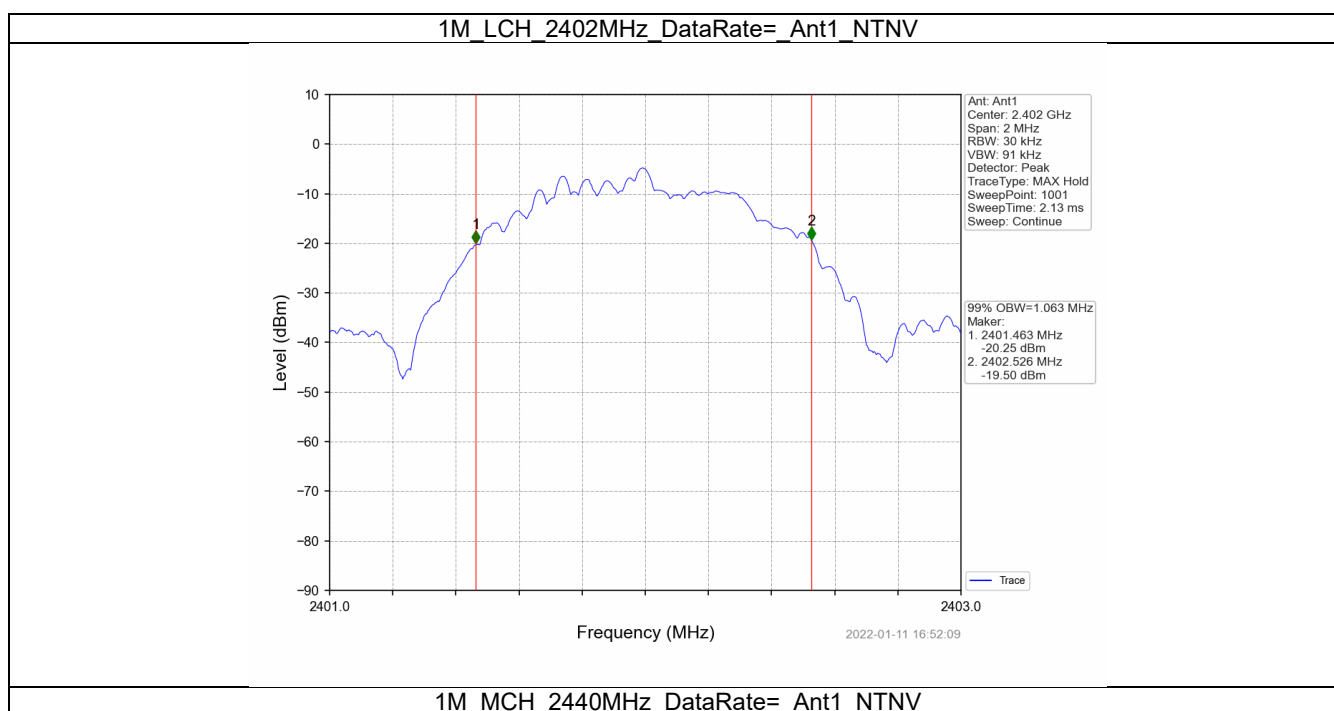
2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.063	Pass
		2440	1	1.062	Pass
		2480	1	1.062	Pass

2.1.2 Test Graph



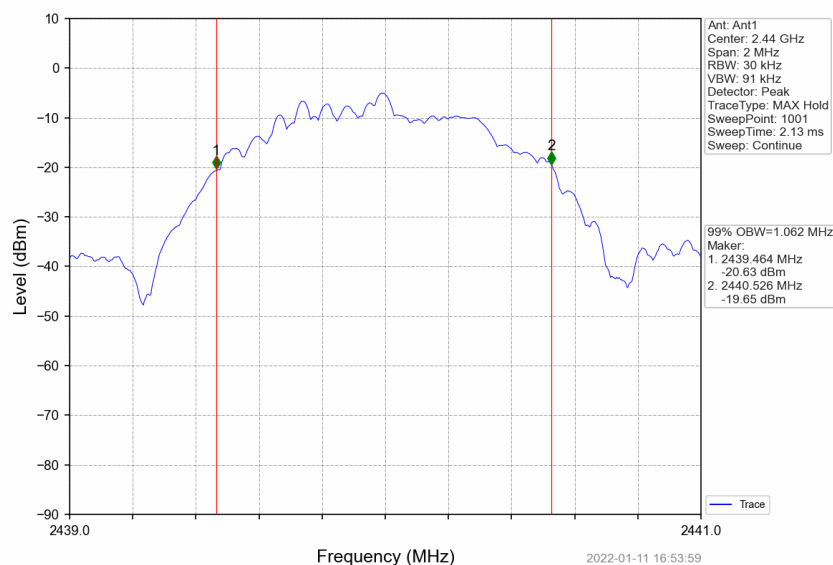
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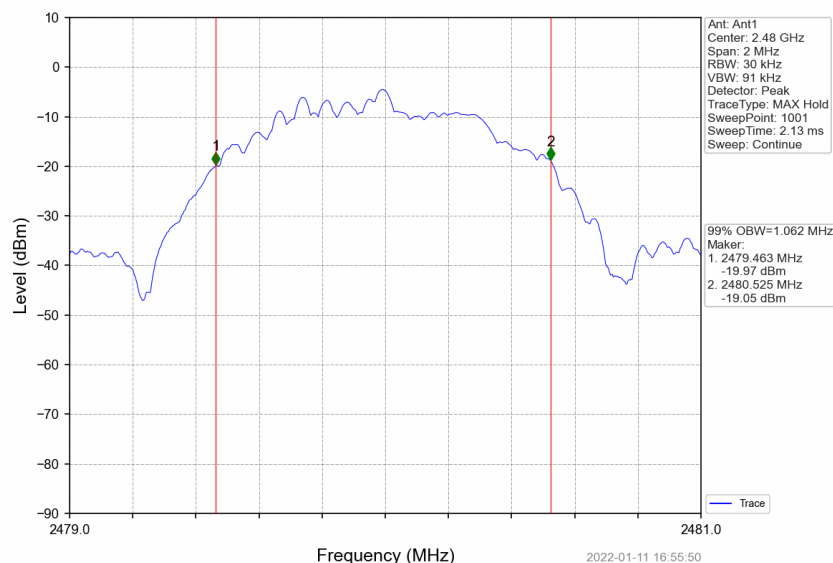
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center EMC Lab (Shanghai)

NO. 588 West Jindu Road, Songjiang District, Shanghai, China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t(86-21) 61915666 f(86-21) 61915678 www.sgsgroup.com.cn
t(86-21) 61915666 f(86-21) 61915678 e.sgs.china@sgs.com



1M_HCH_2480MHz_DataRate= Ant1_NTNV



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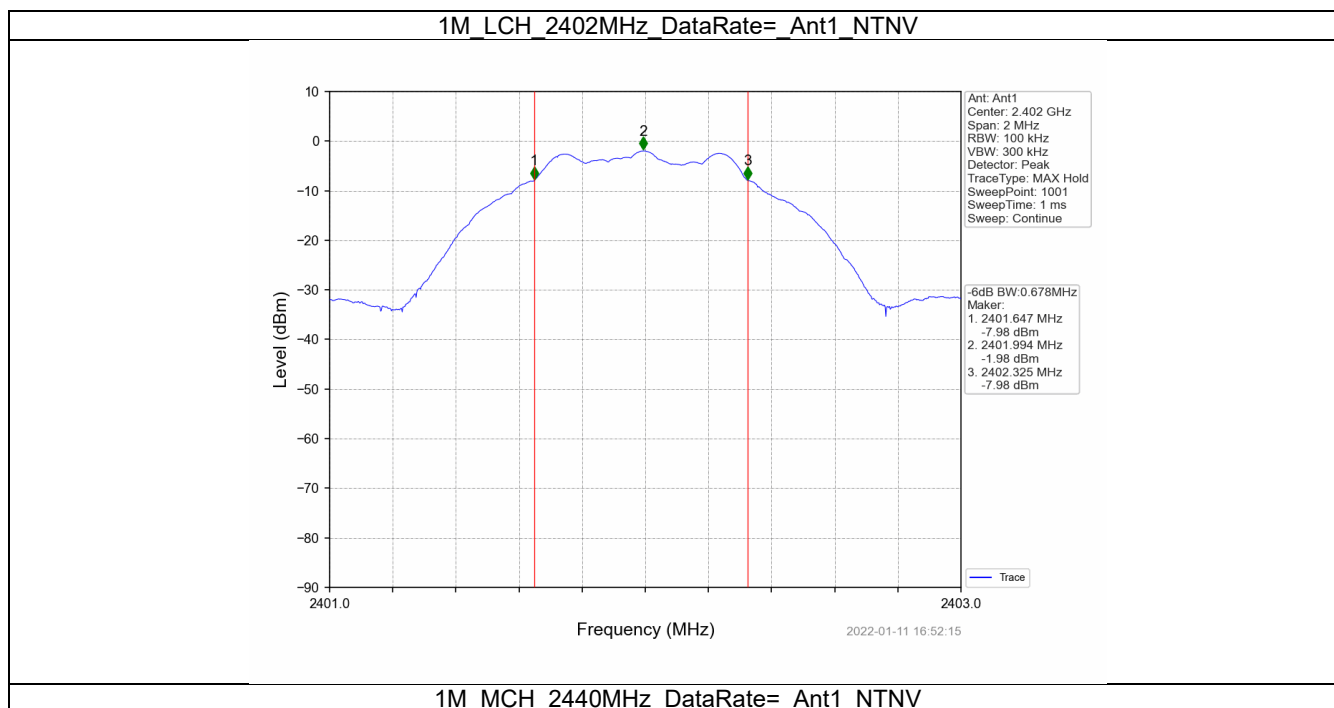
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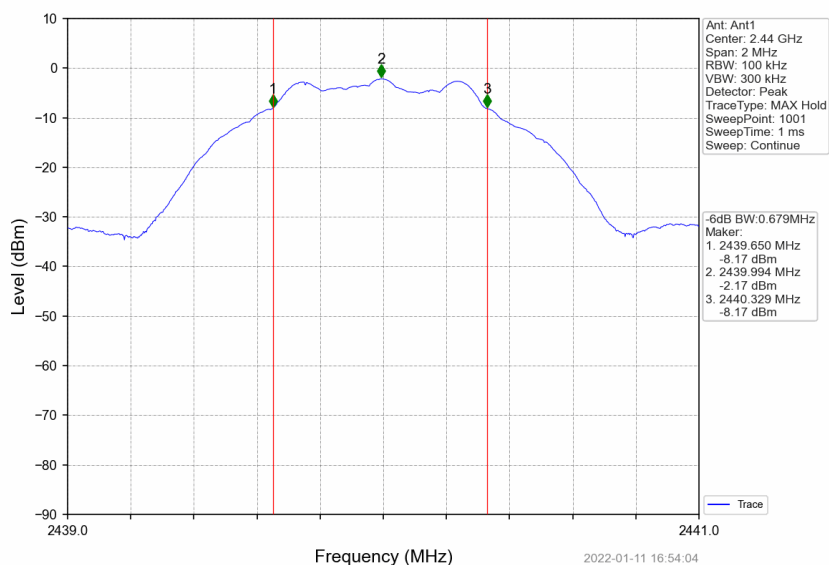
2.2 6dB BW

2.2.1 Test Result

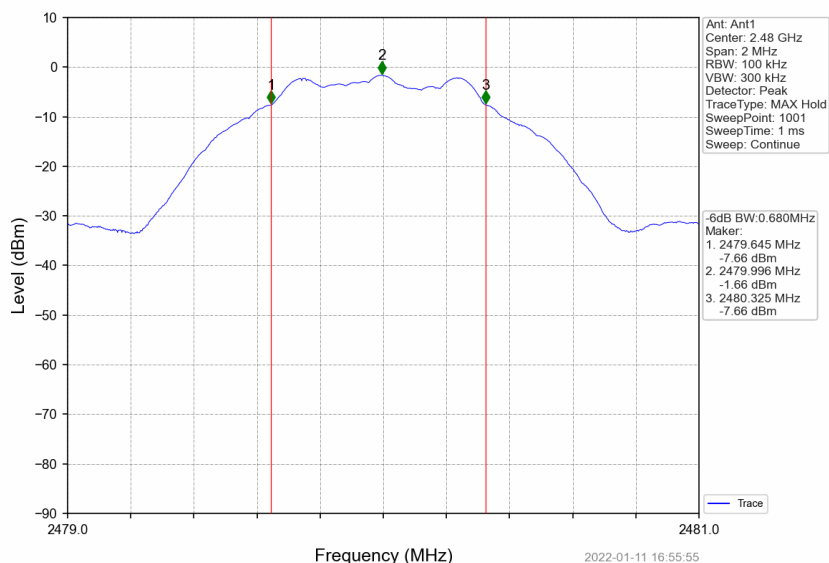
Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.678	≥ 0.5	Pass
		2440	1	0.679	≥ 0.5	Pass
		2480	1	0.680	≥ 0.5	Pass

2.2.2 Test Graph





1M_HCH_2480MHz_DataRate= Ant1_NTNV



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3. Maximum Conducted Output Power

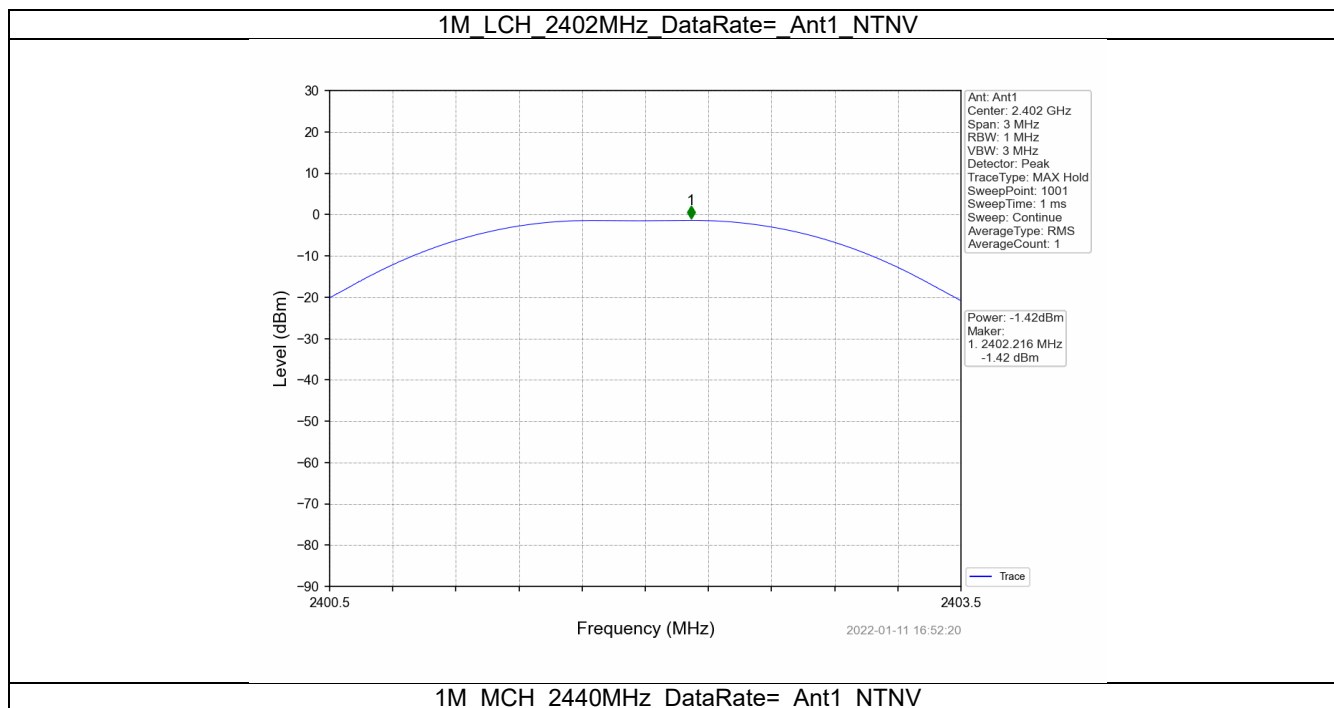
3.1 Power

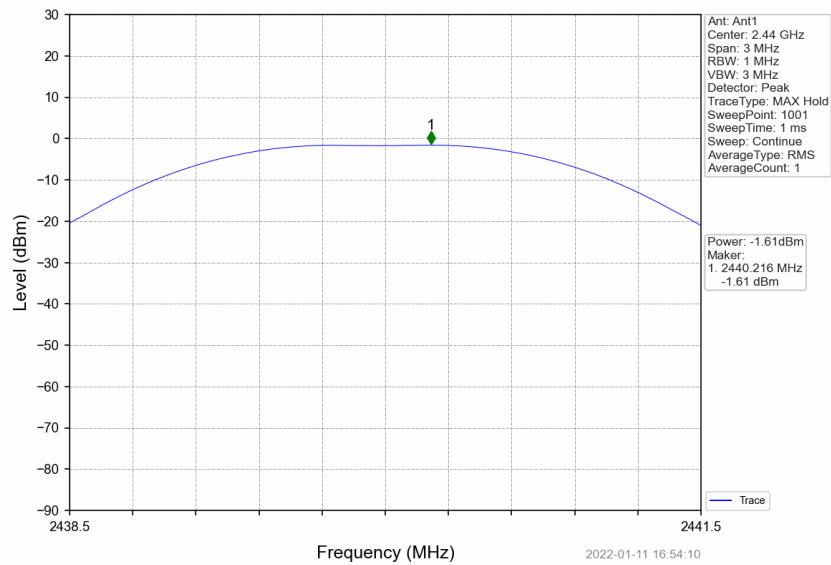
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
1M	SISO	2402	-1.42	<=30	Pass
		2440	-1.61	<=30	Pass
		2480	-1.10	<=30	Pass

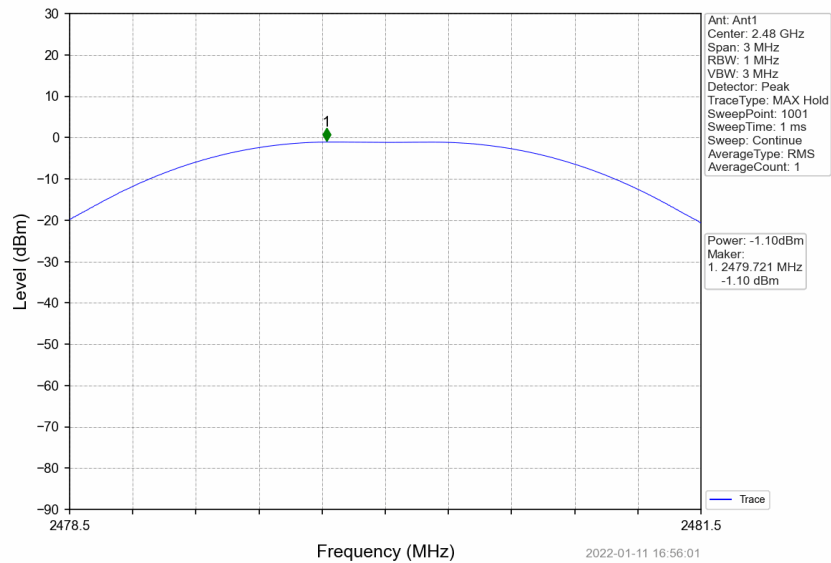
Note1: Antenna Gain: Ant1: -3.52dBi;

3.1.2 Test Graph





1M_HCH_2480MHz_DataRate= Ant1_NTNV



4. Maximum Power Spectral Density

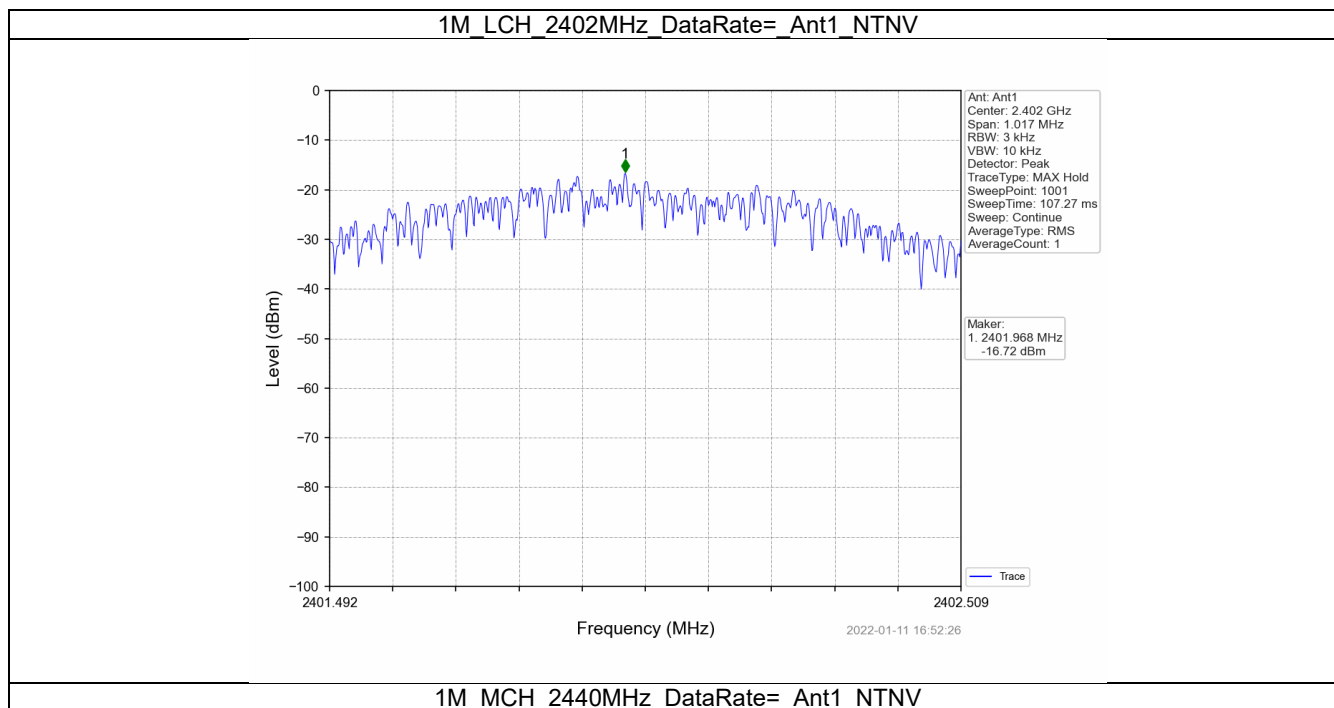
4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1M	SISO	2402	-16.72	<=8	Pass
		2440	-16.85	<=8	Pass
		2480	-16.34	<=8	Pass

Note1: Antenna Gain: Ant1: -3.52dBi;

4.1.2 Test Graph



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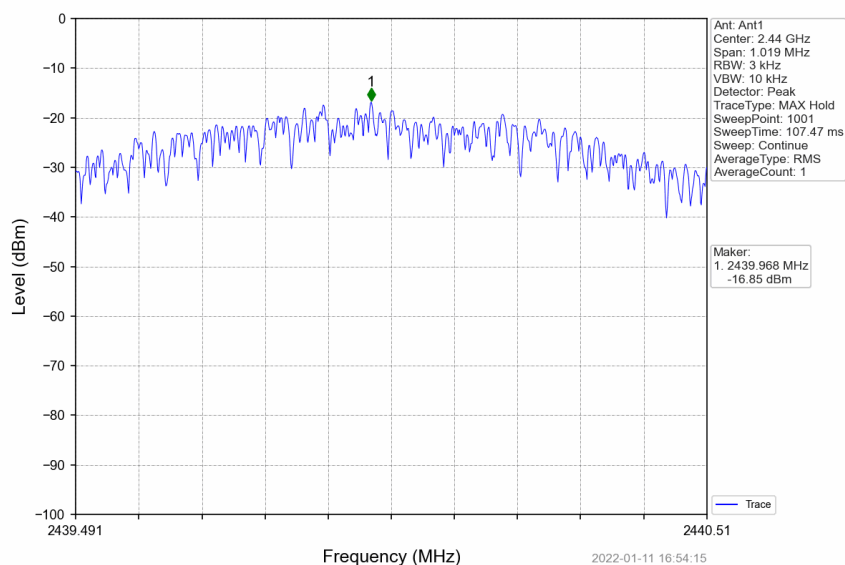
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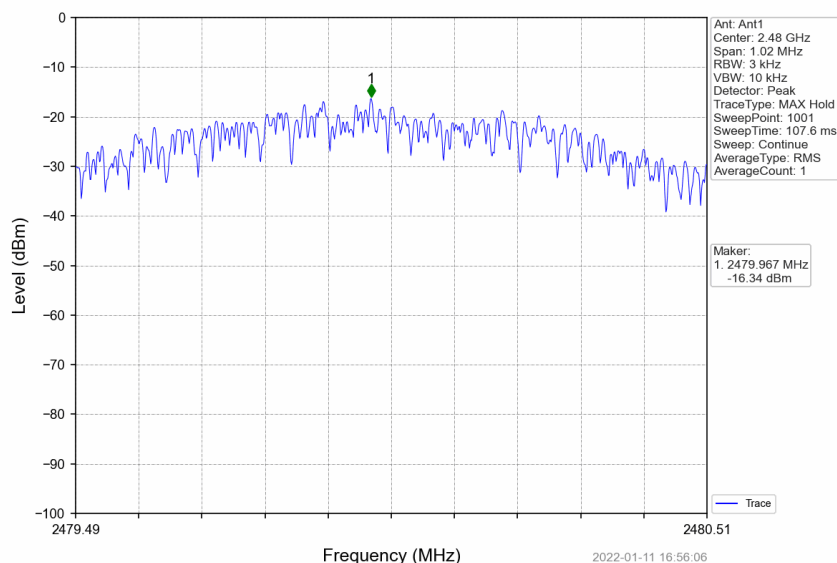
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1M_HCH_2480MHz_DataRate= Ant1_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

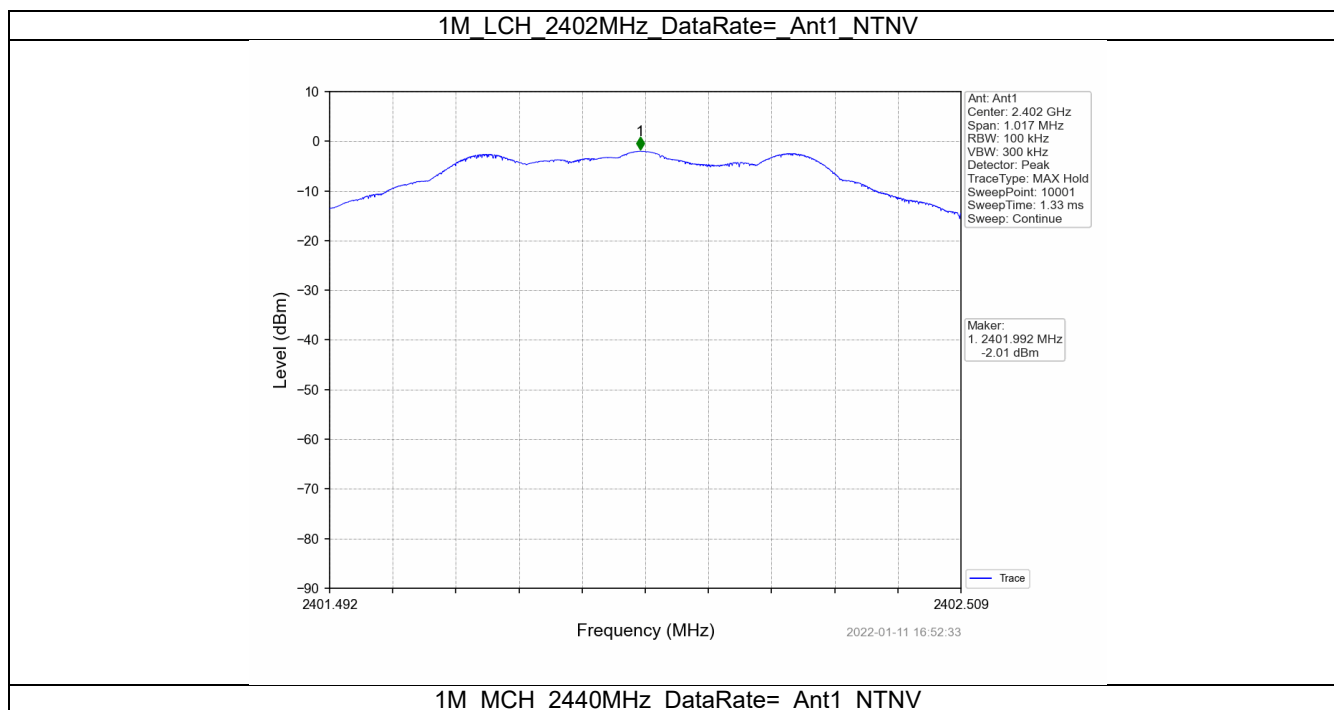
5.1.1 Test Result

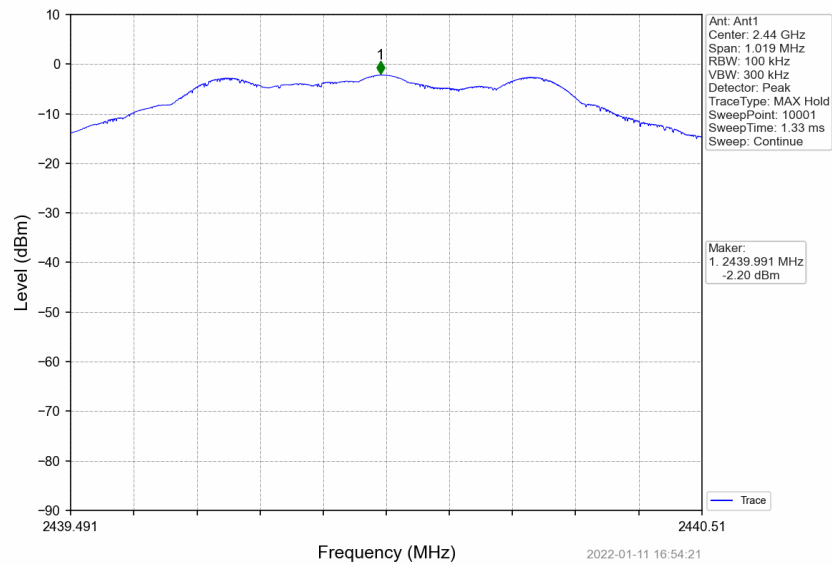
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
1M	SISO	2402	1	-2.01
		2440	1	-2.20
		2480	1	-1.68

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.

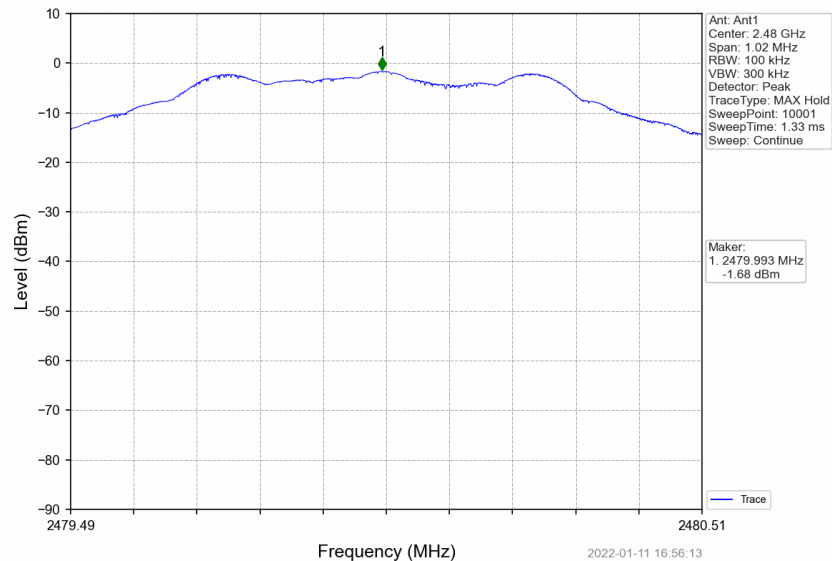
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

5.1.2 Test Graph





1M_HCH_2480MHz_DataRate= Ant1_NTNV



5.2 CSE

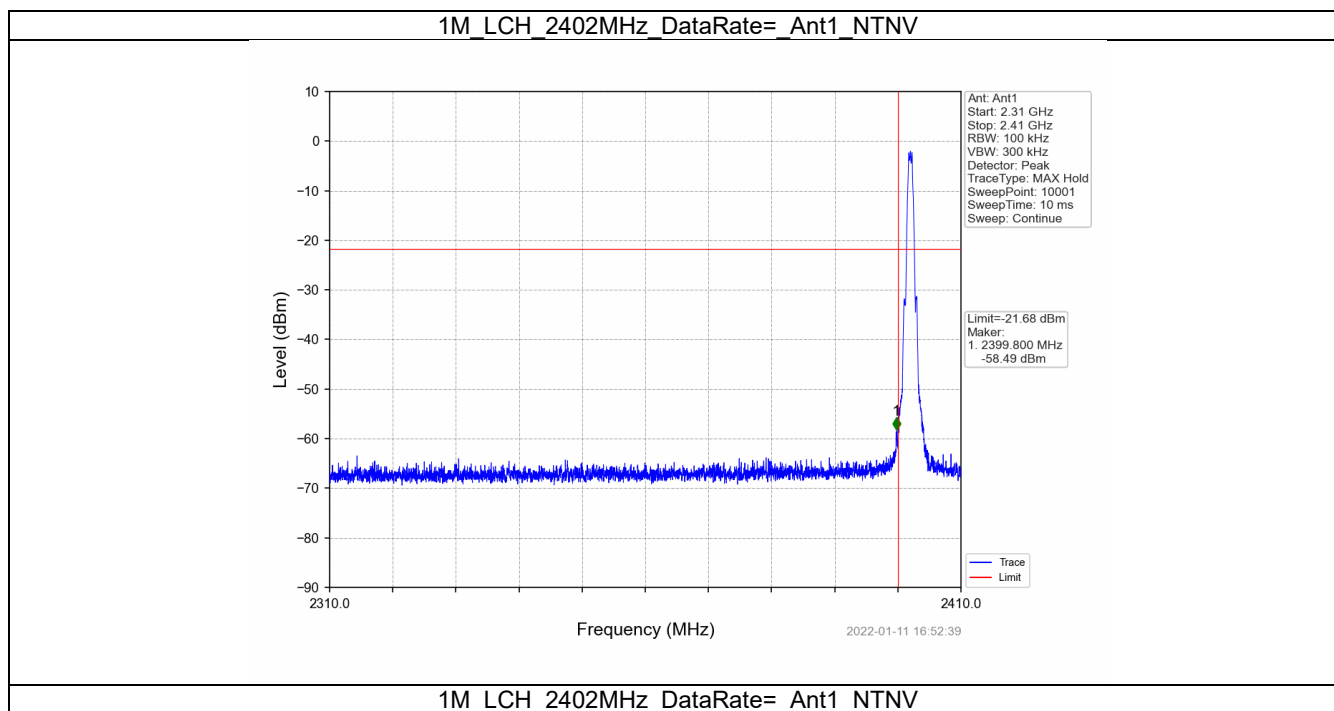
5.2.1 Test Result

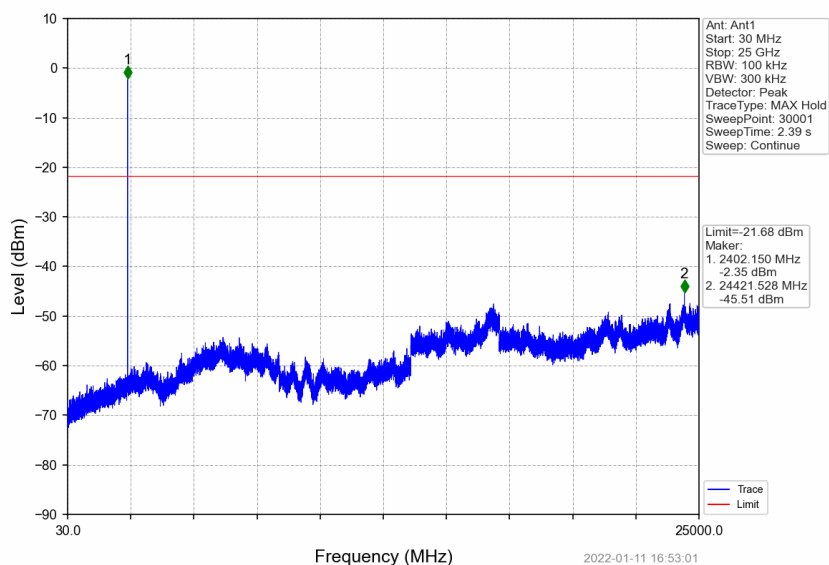
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.68	-21.68	Pass
		2440	1	-1.68	-21.68	Pass
		2480	1	-1.68	-21.68	Pass

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.

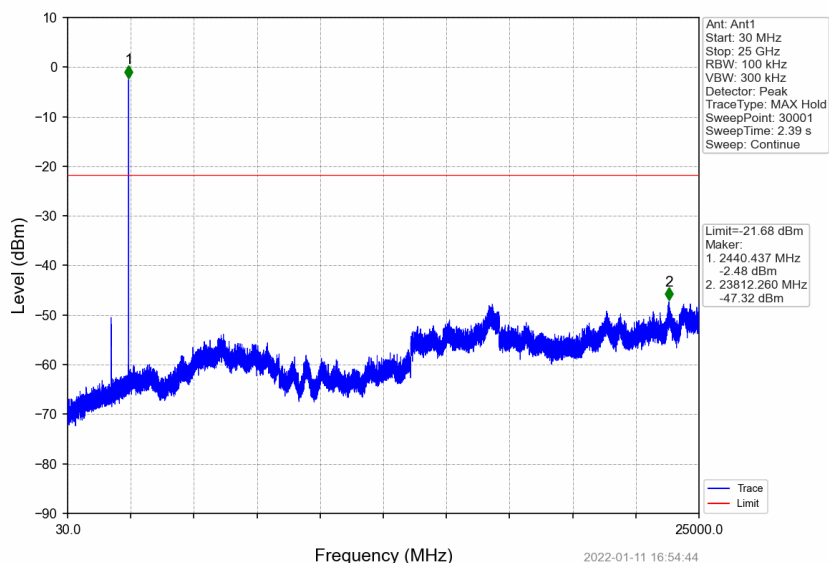
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

5.2.2 Test Graph





1M_MCH_2440MHz_DataRate= Ant1_NTNV

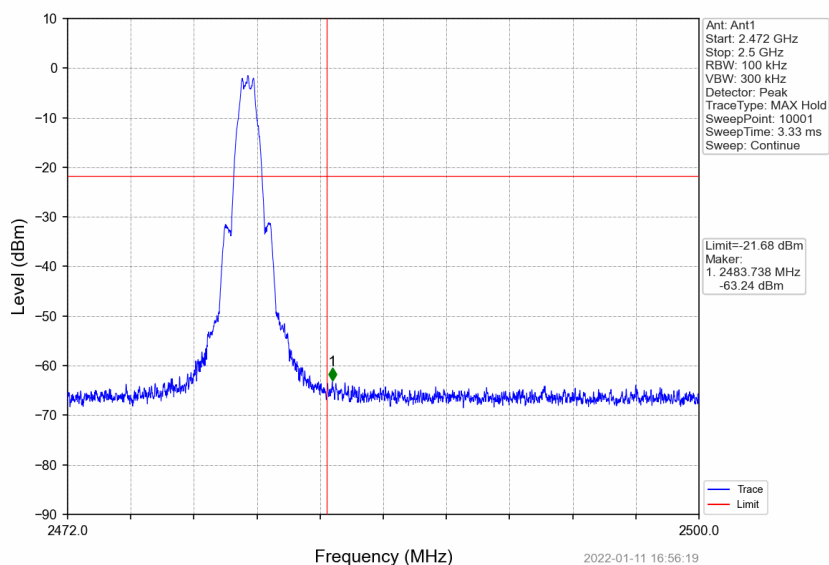


1M_HCH_2480MHz_DataRate= Ant1_NTNV

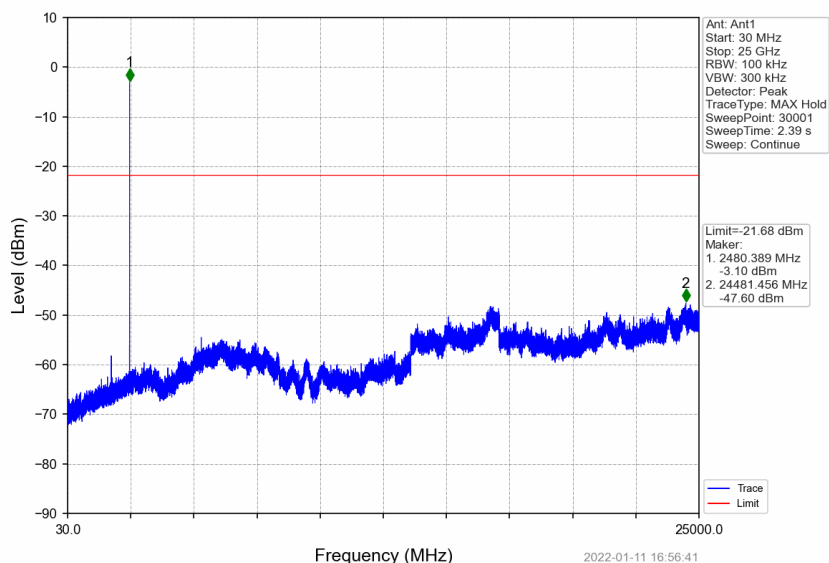


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