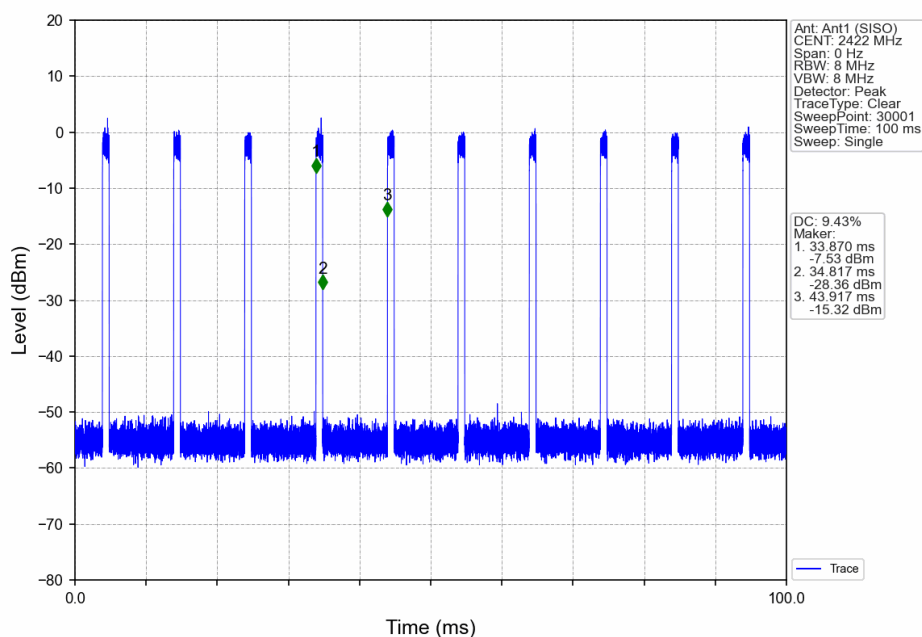
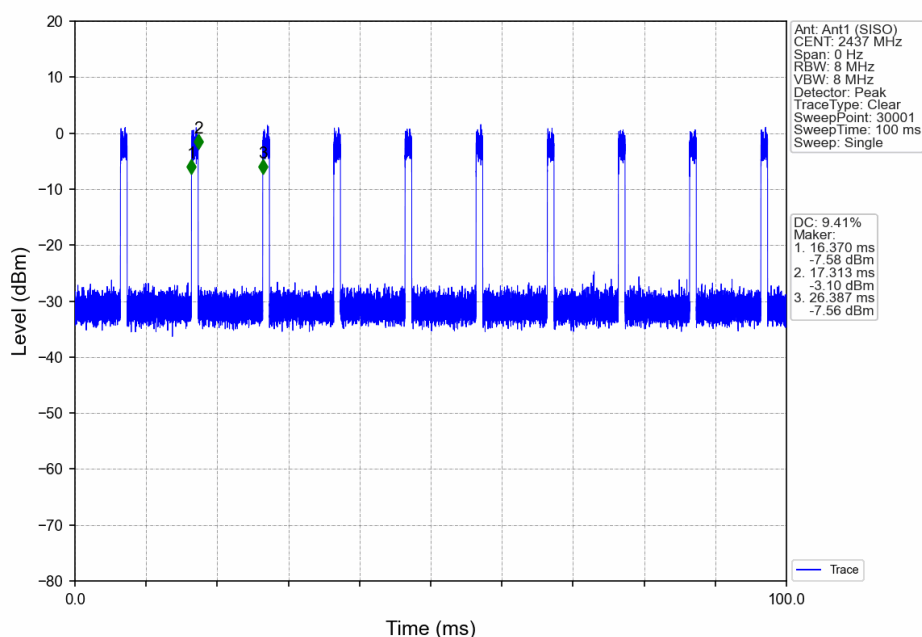


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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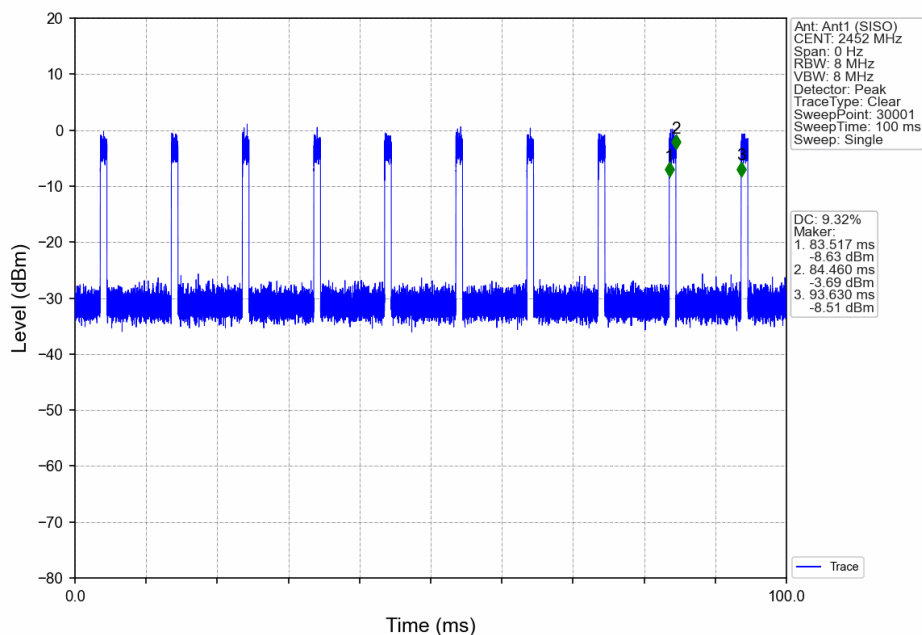
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

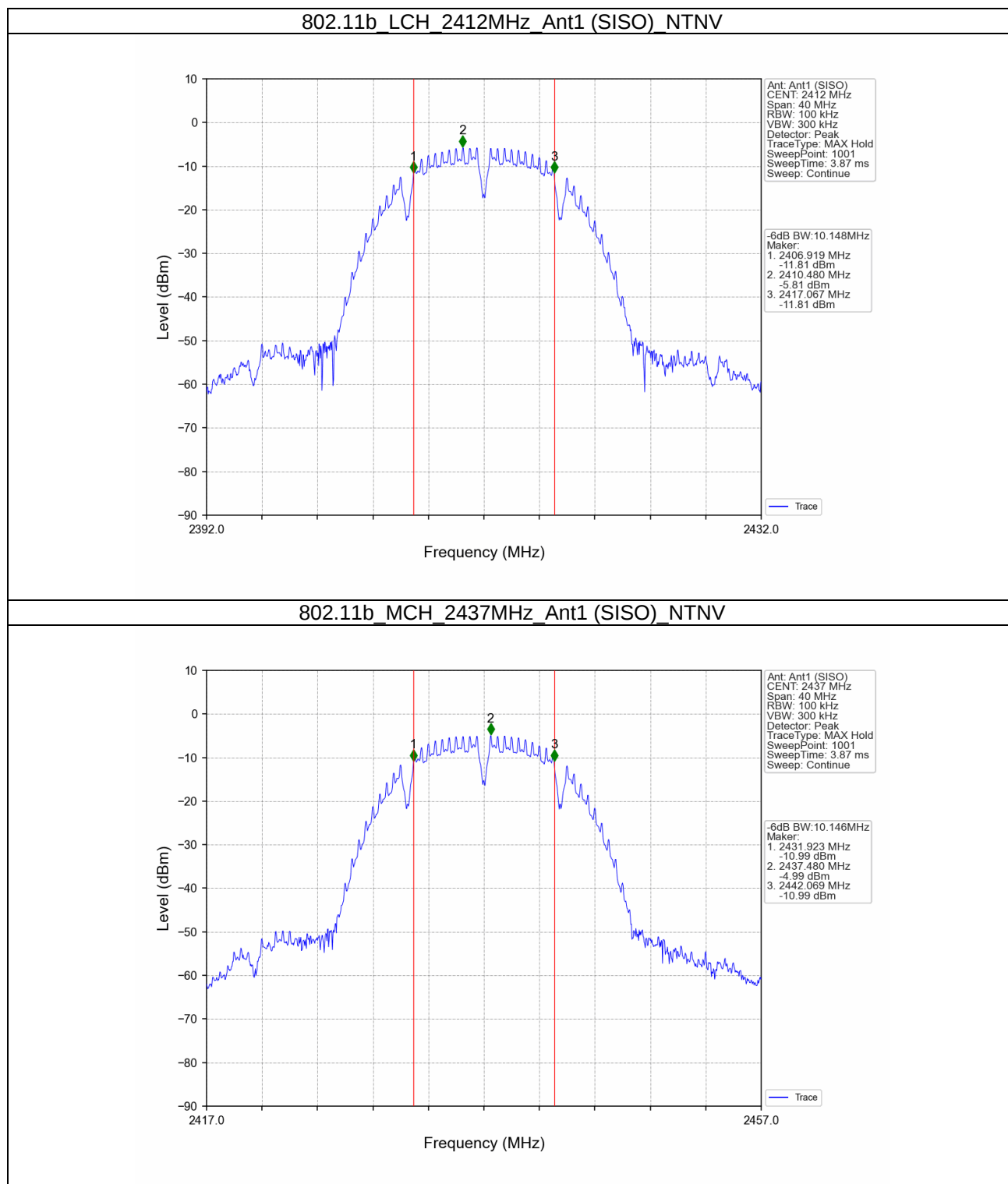
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.148	≥ 0.5	Pass
		2437	1	10.146	≥ 0.5	Pass
		2462	1	10.145	≥ 0.5	Pass
802.11g	SISO	2412	1	15.725	≥ 0.5	Pass
		2437	1	15.739	≥ 0.5	Pass
		2462	1	15.820	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.445	≥ 0.5	Pass
		2437	1	35.134	≥ 0.5	Pass
		2452	1	35.341	≥ 0.5	Pass



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2.2.2 Test Graph



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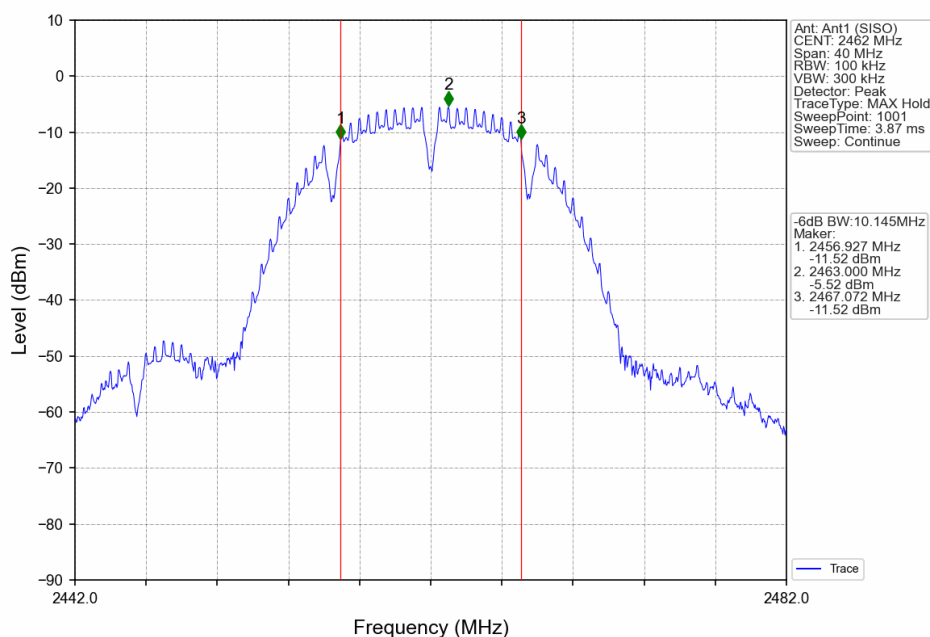
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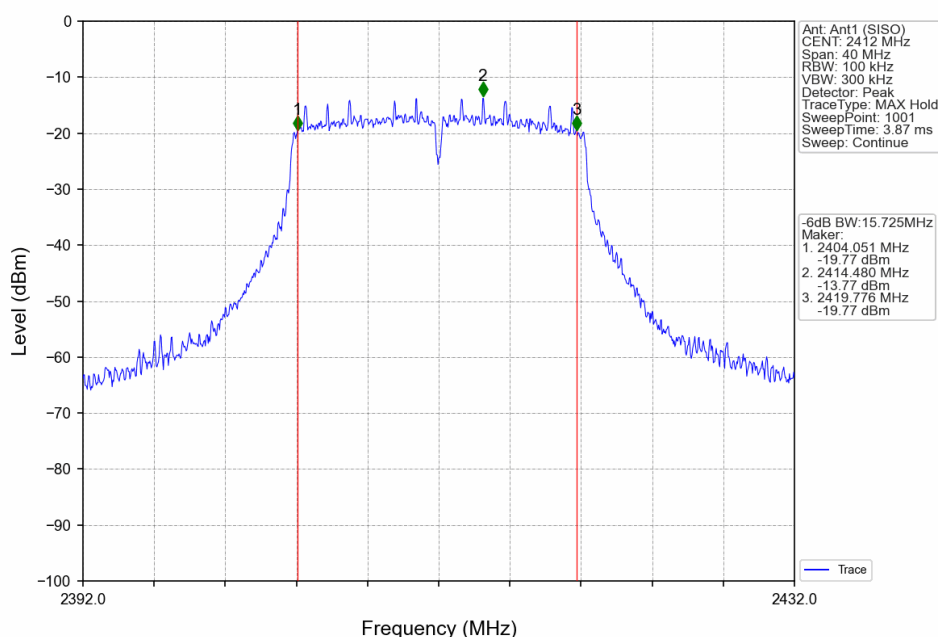
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



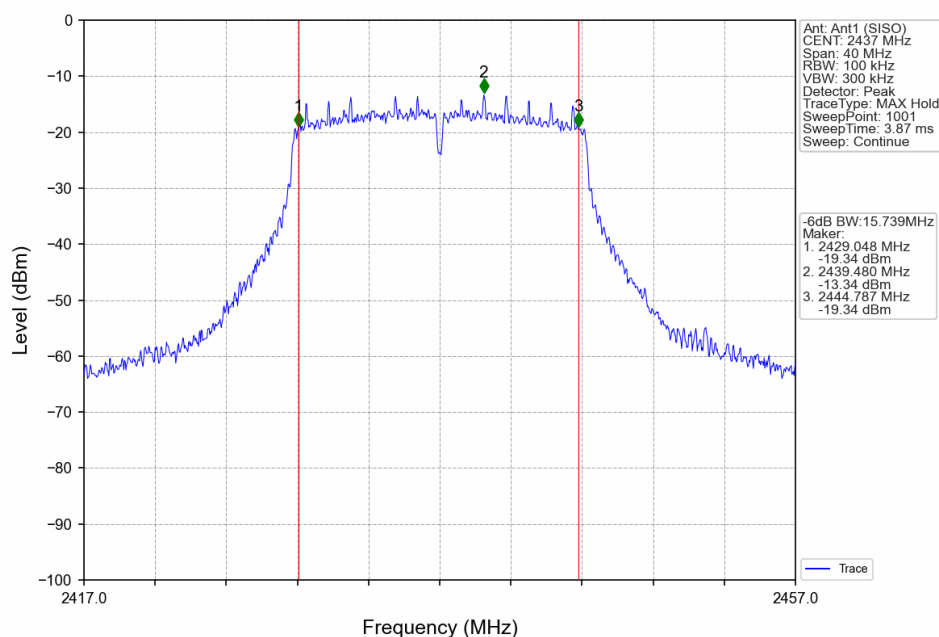
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



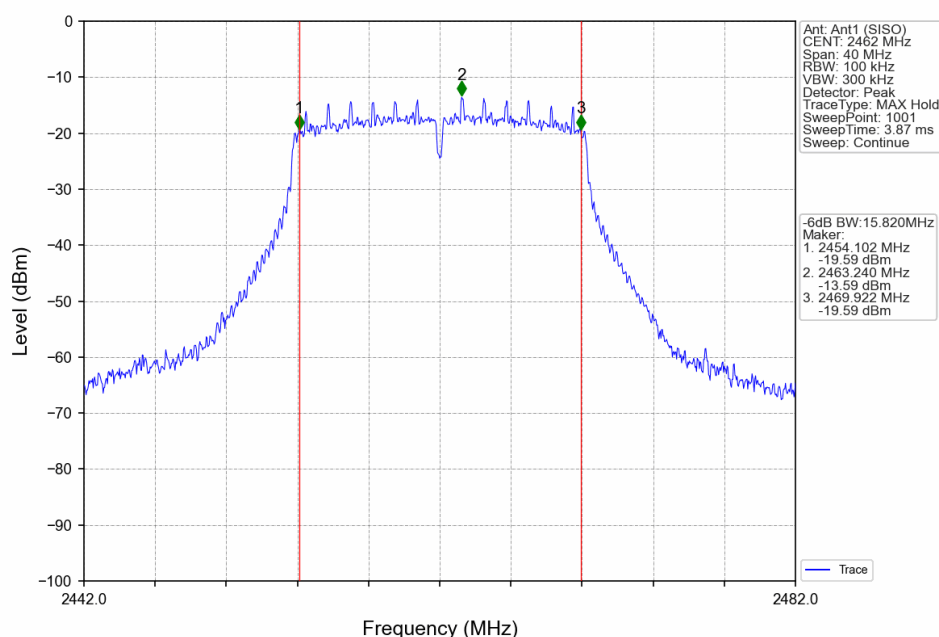
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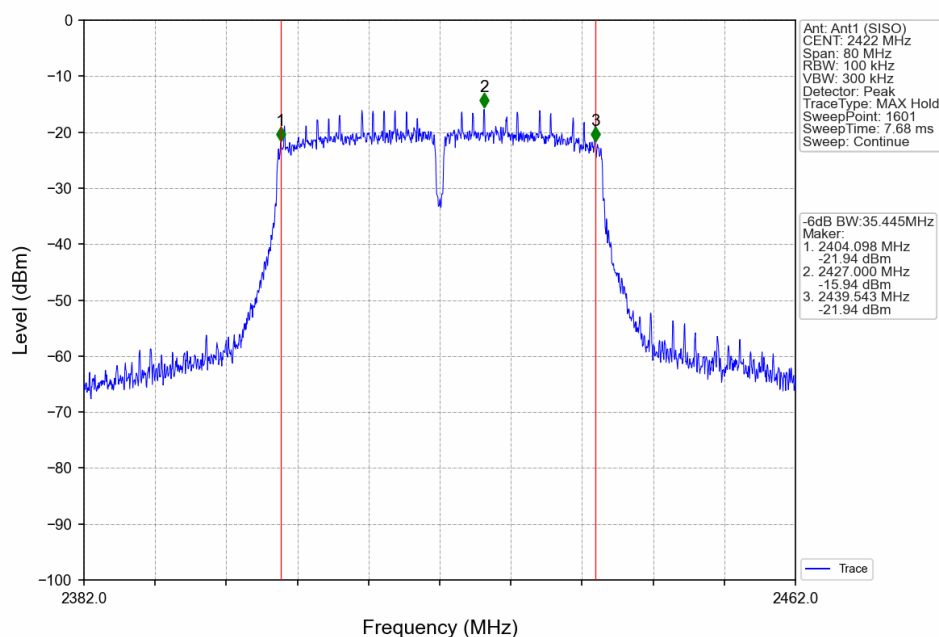
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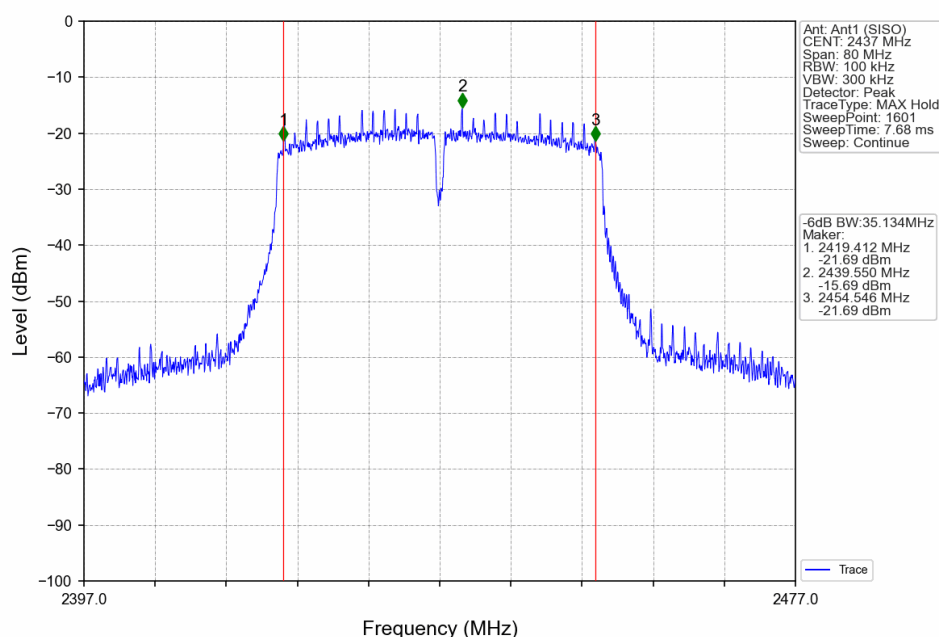
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



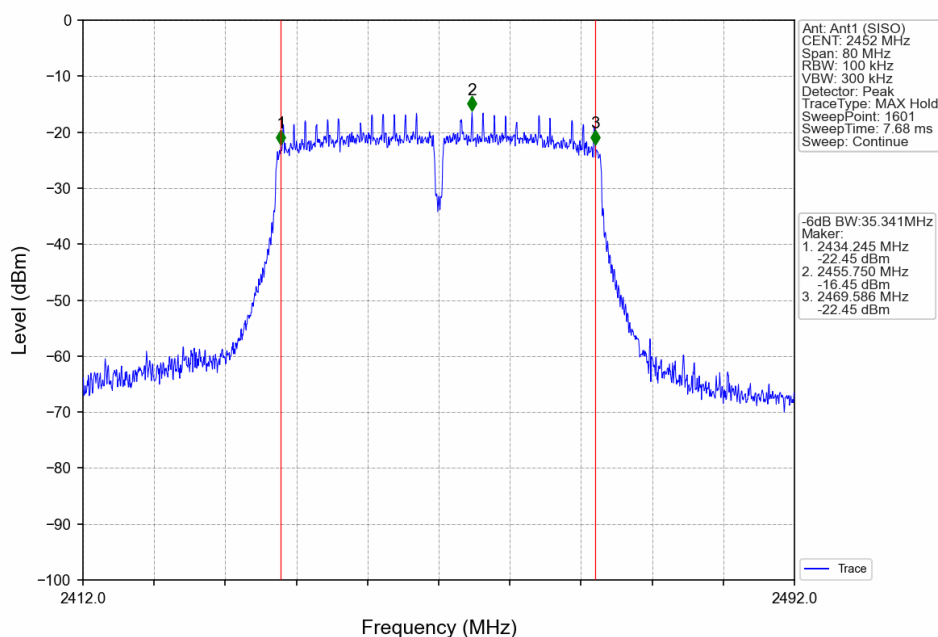
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	5.98	<=30	Pass
		2437	6.78	<=30	Pass
		2462	6.31	<=30	Pass
802.11g	SISO	2412	4.67	<=30	Pass
		2437	5.23	<=30	Pass
		2462	4.71	<=30	Pass
802.11n (HT40)	SISO	2422	5.57	<=30	Pass
		2437	5.66	<=30	Pass
		2452	5.11	<=30	Pass

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

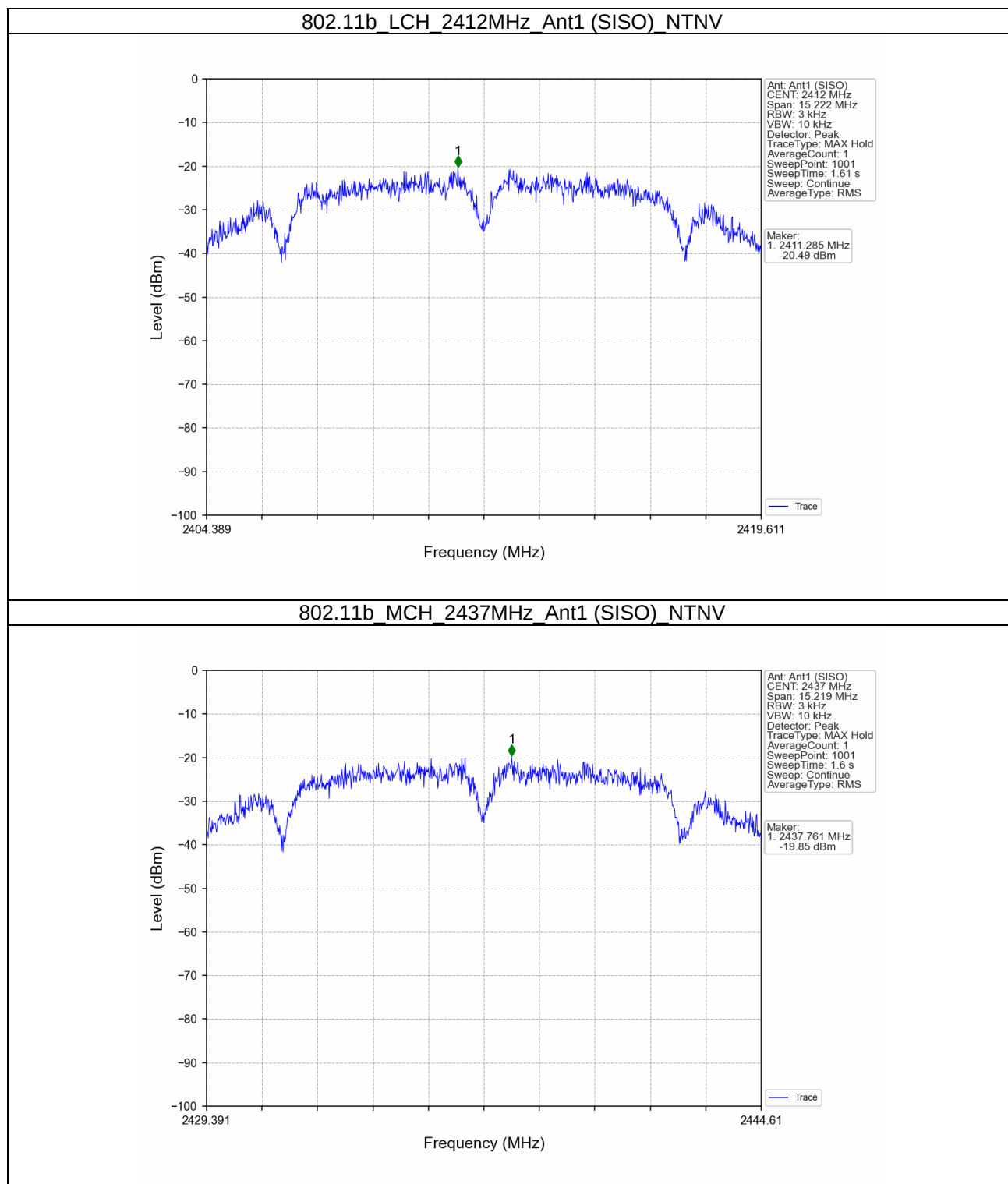
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-20.49	<=8	Pass
		2437	-19.85	<=8	Pass
		2462	-19.80	<=8	Pass
802.11g	SISO	2412	-27.95	<=8	Pass
		2437	-26.71	<=8	Pass
		2462	-28.46	<=8	Pass
802.11n (HT40)	SISO	2422	-31.11	<=8	Pass
		2437	-30.41	<=8	Pass
		2452	-31.81	<=8	Pass



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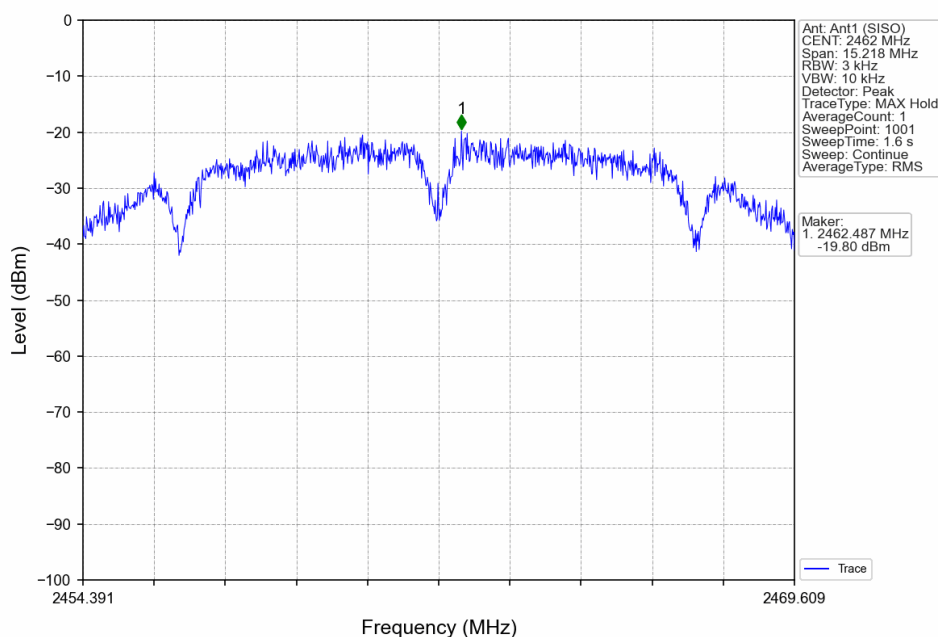
4.1.2 Test Graph



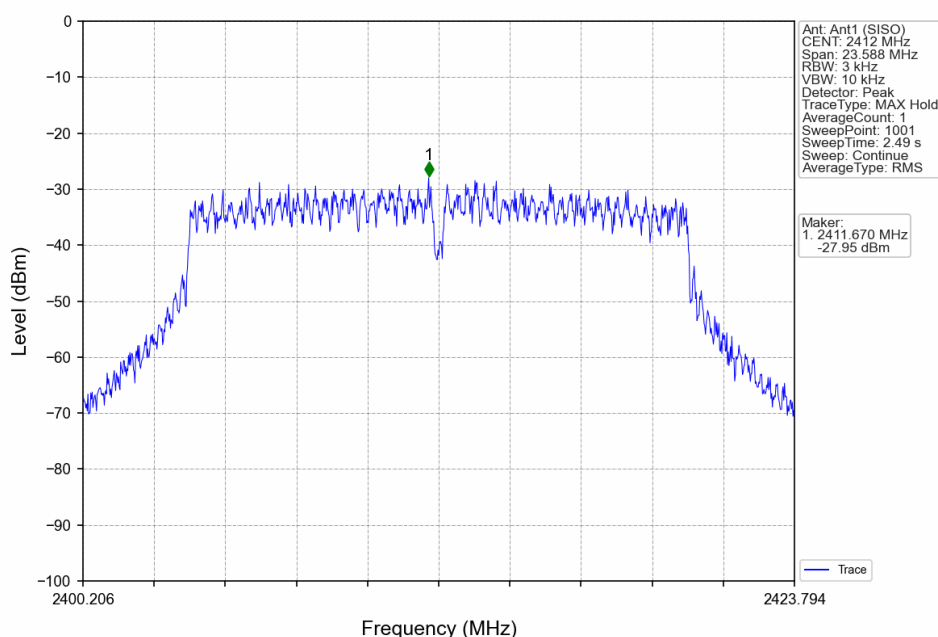
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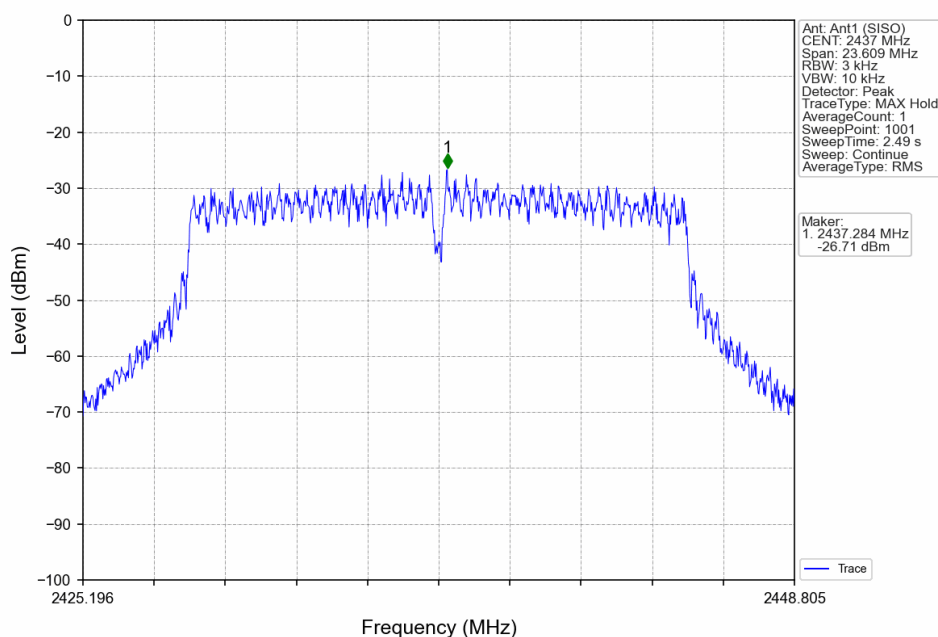
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



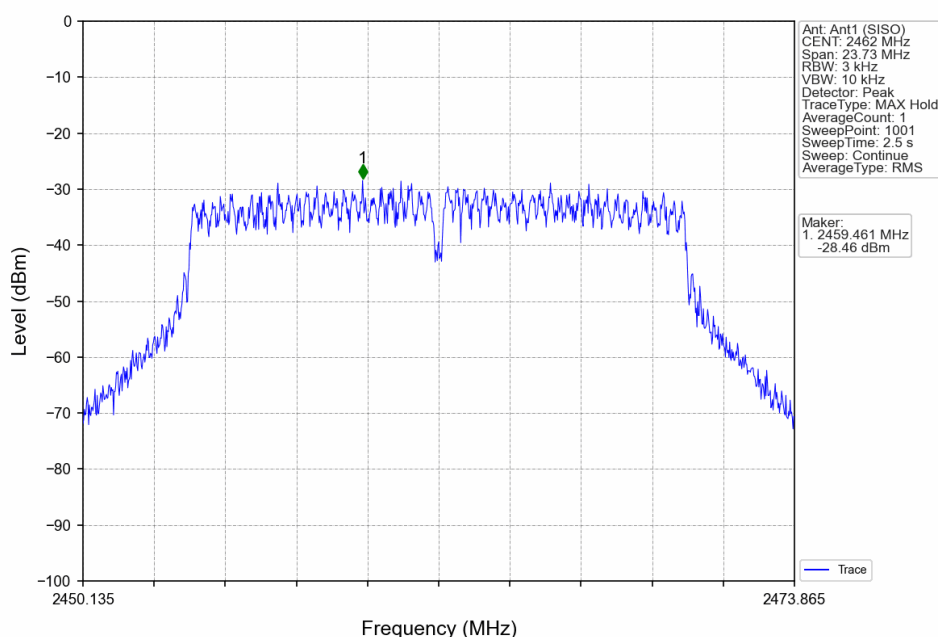
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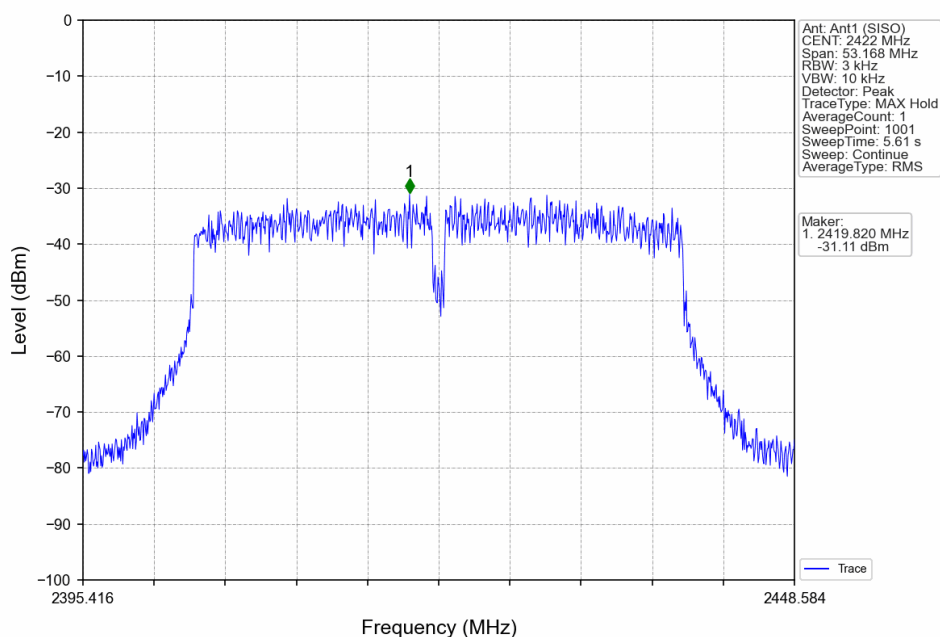
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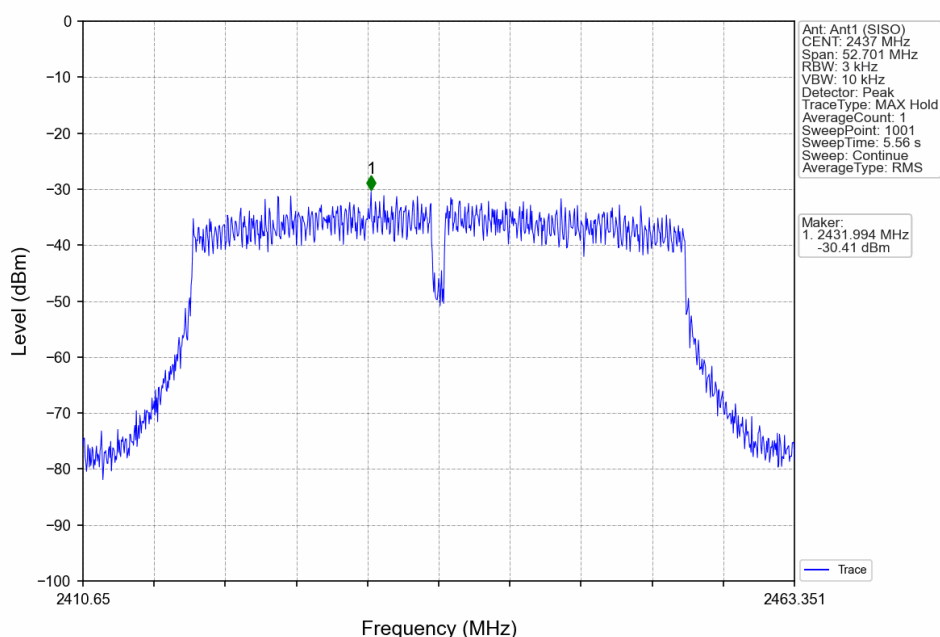
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

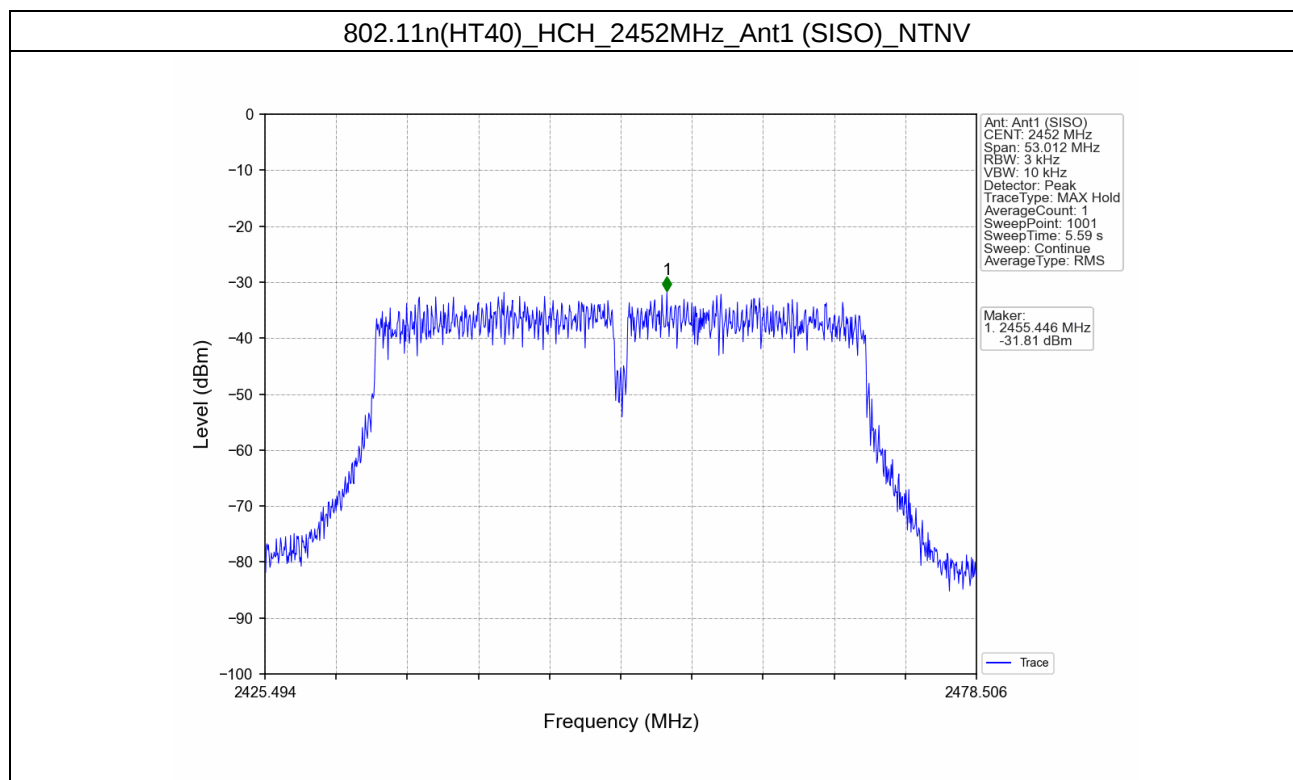


802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

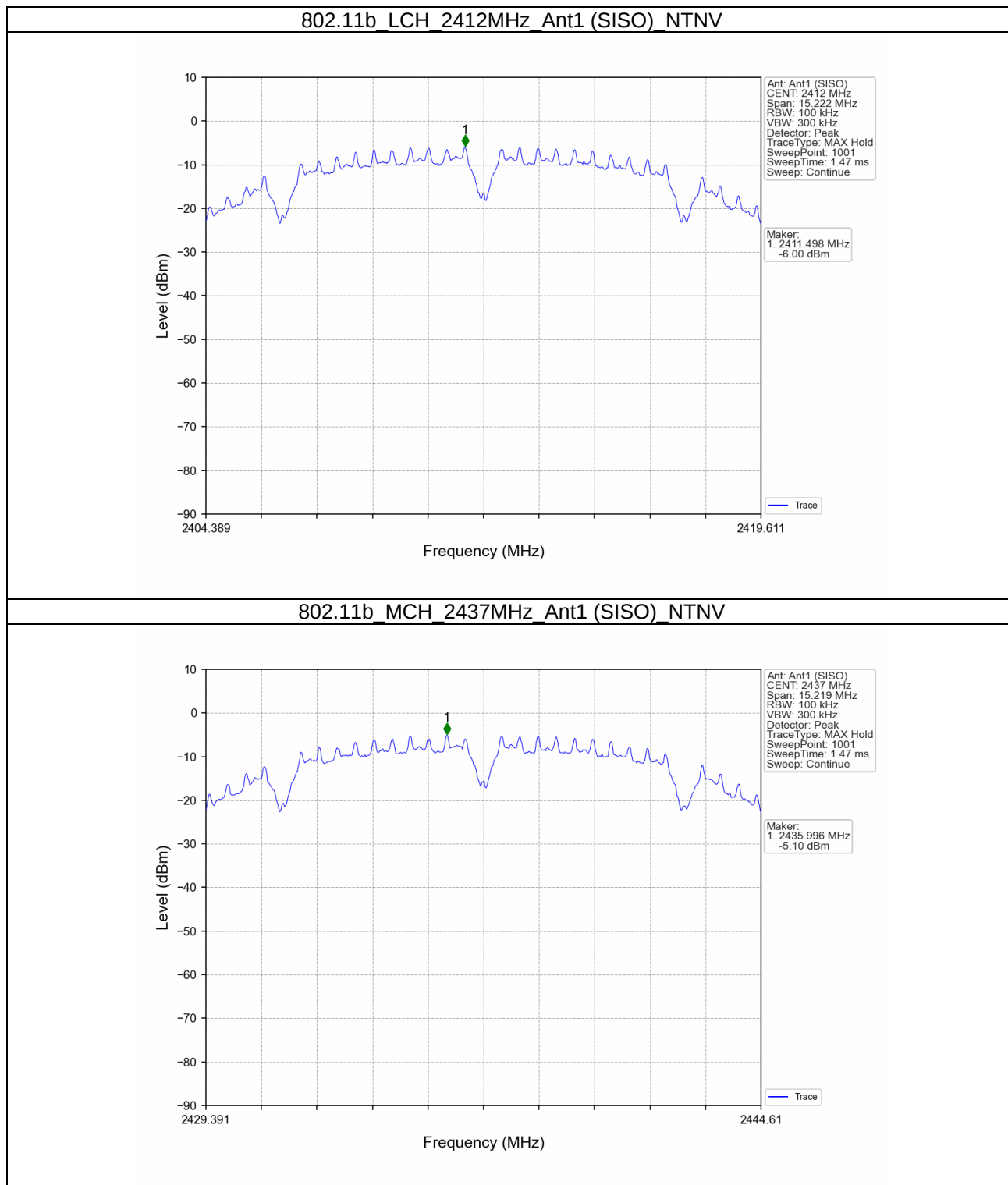
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-6.00
		2437	1	-5.10
		2462	1	-5.65
802.11g	SISO	2412	1	-13.63
		2437	1	-13.46
		2462	1	-13.36
802.11n (HT40)	SISO	2422	1	-16.54
		2437	1	-15.74
		2452	1	-16.76

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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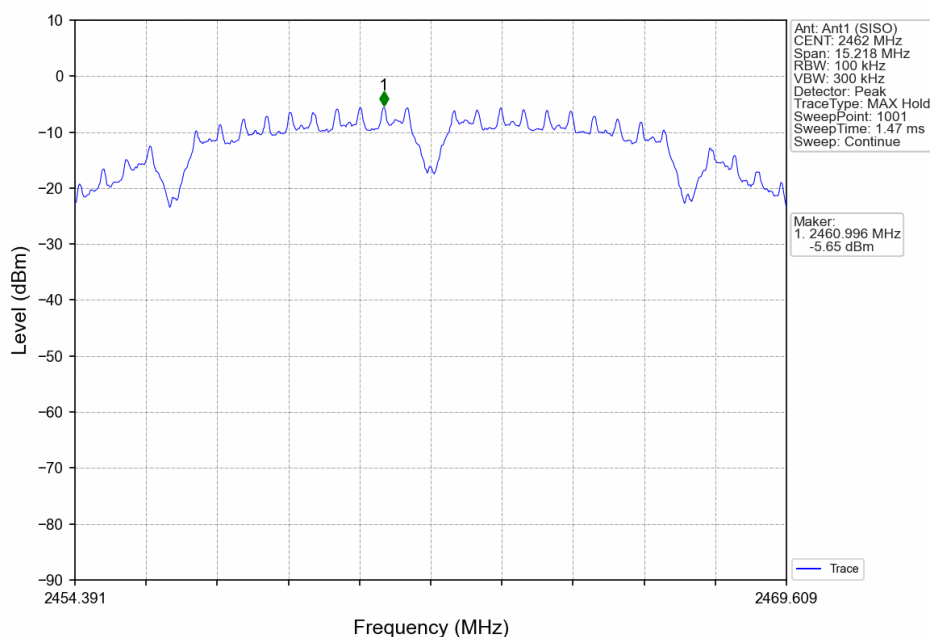
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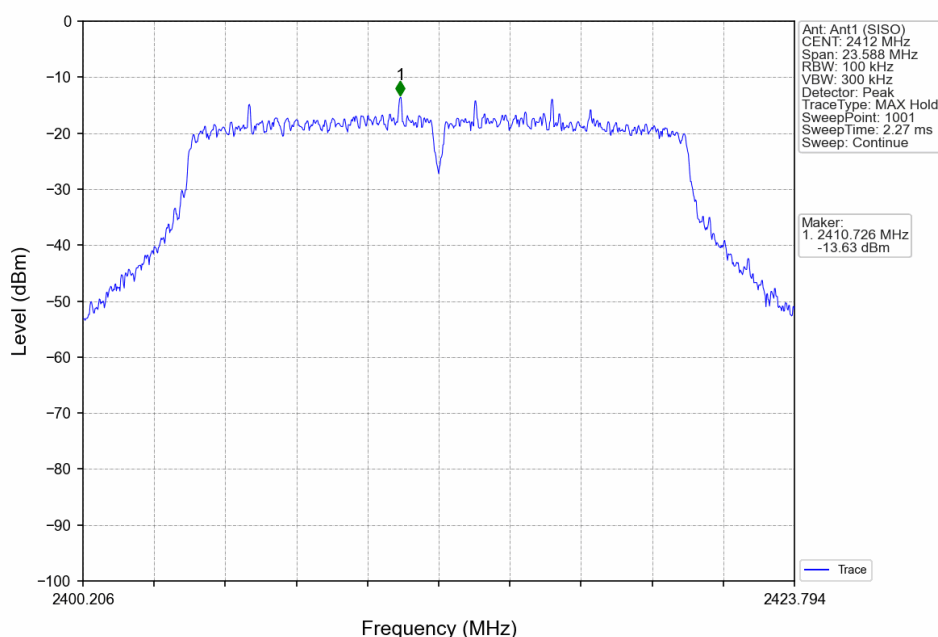
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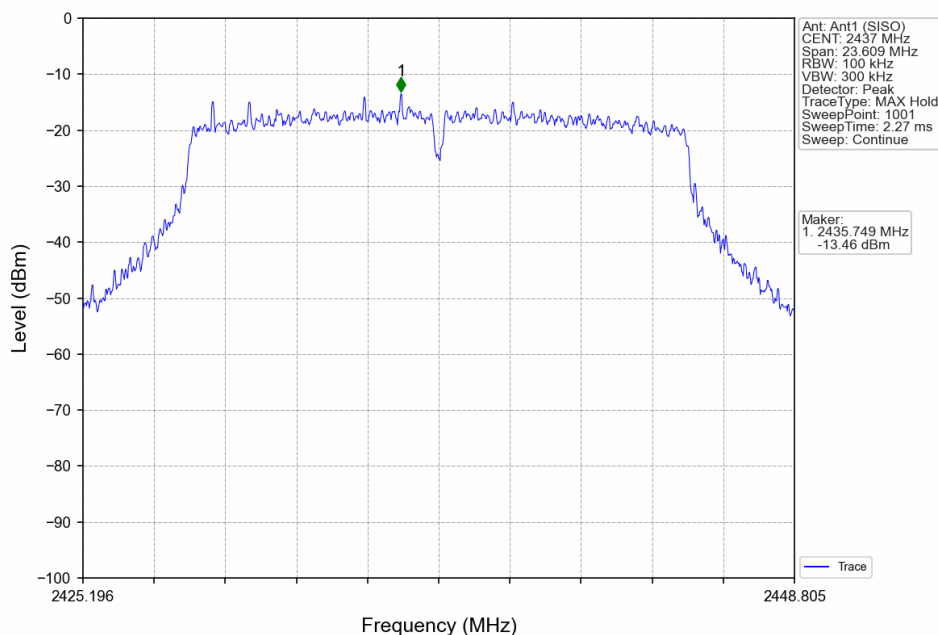
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



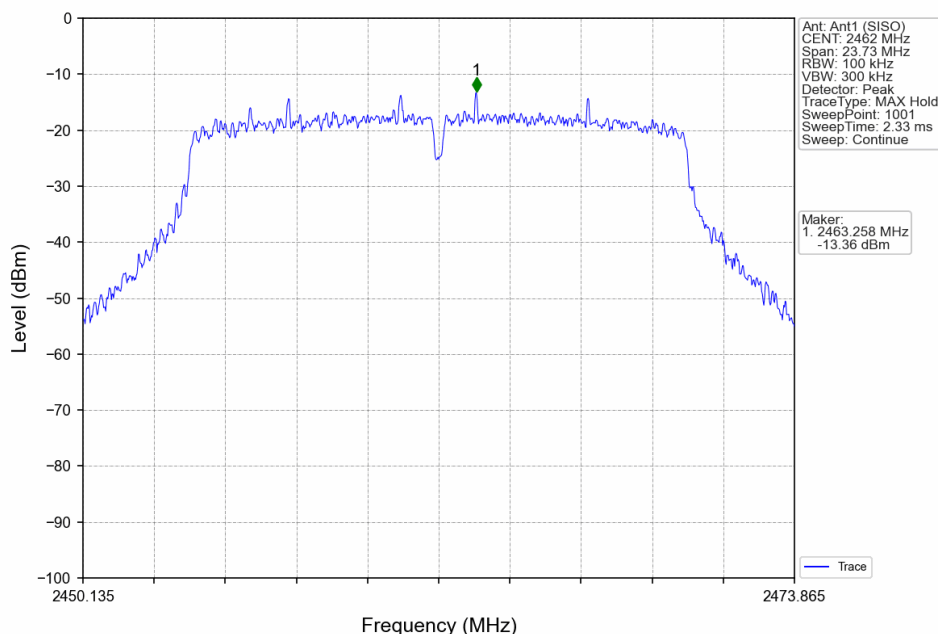
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



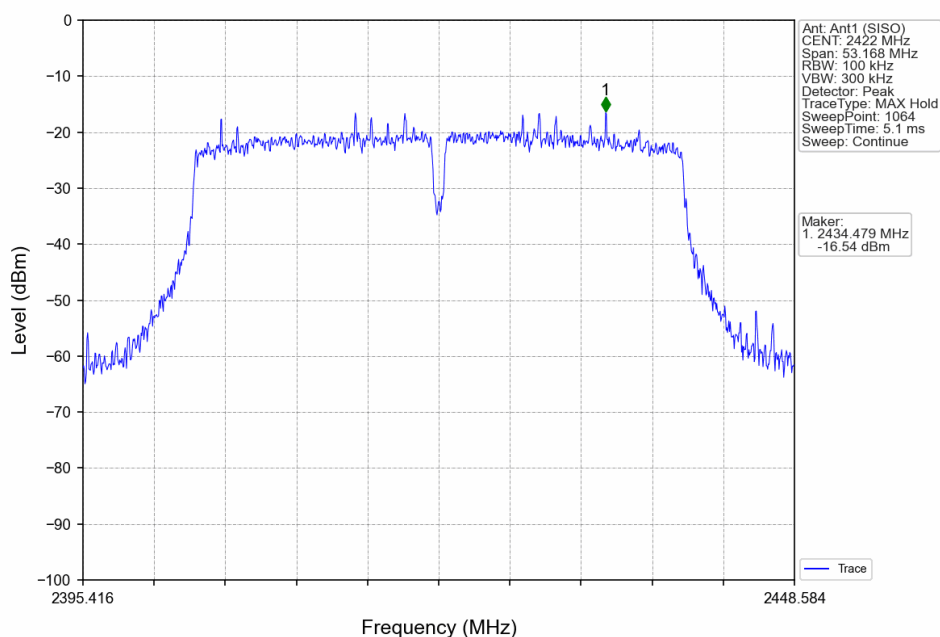
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



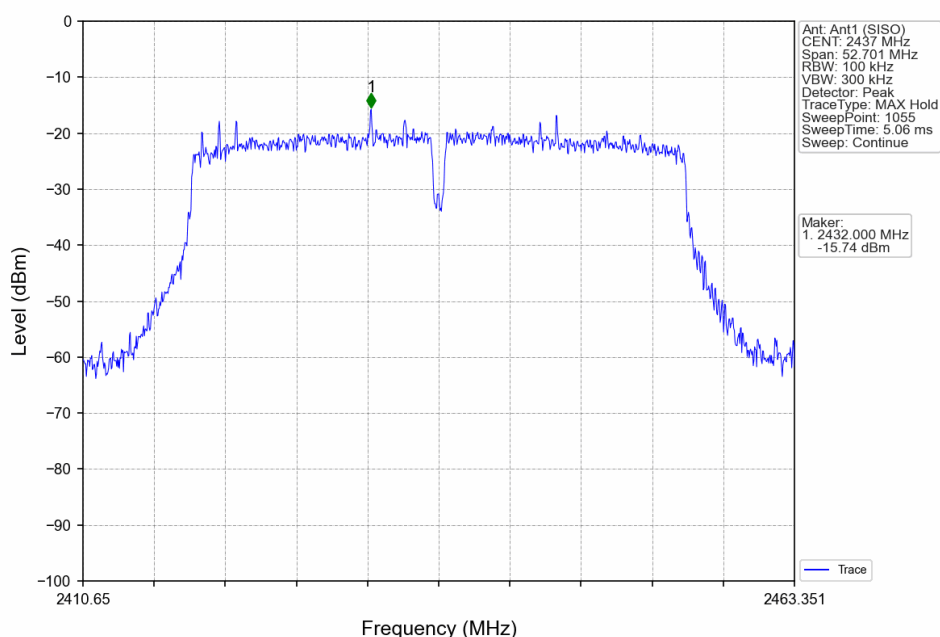
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



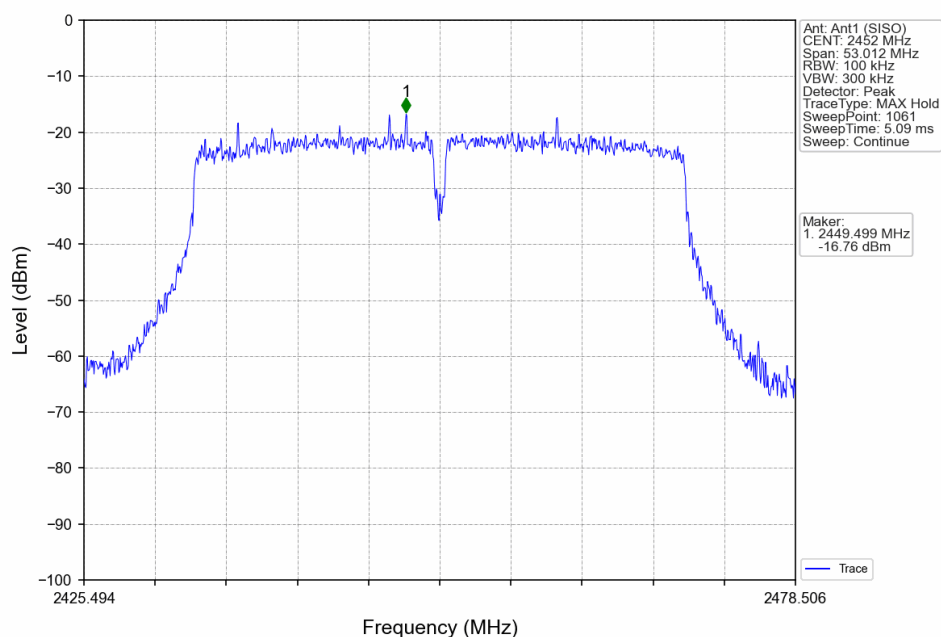
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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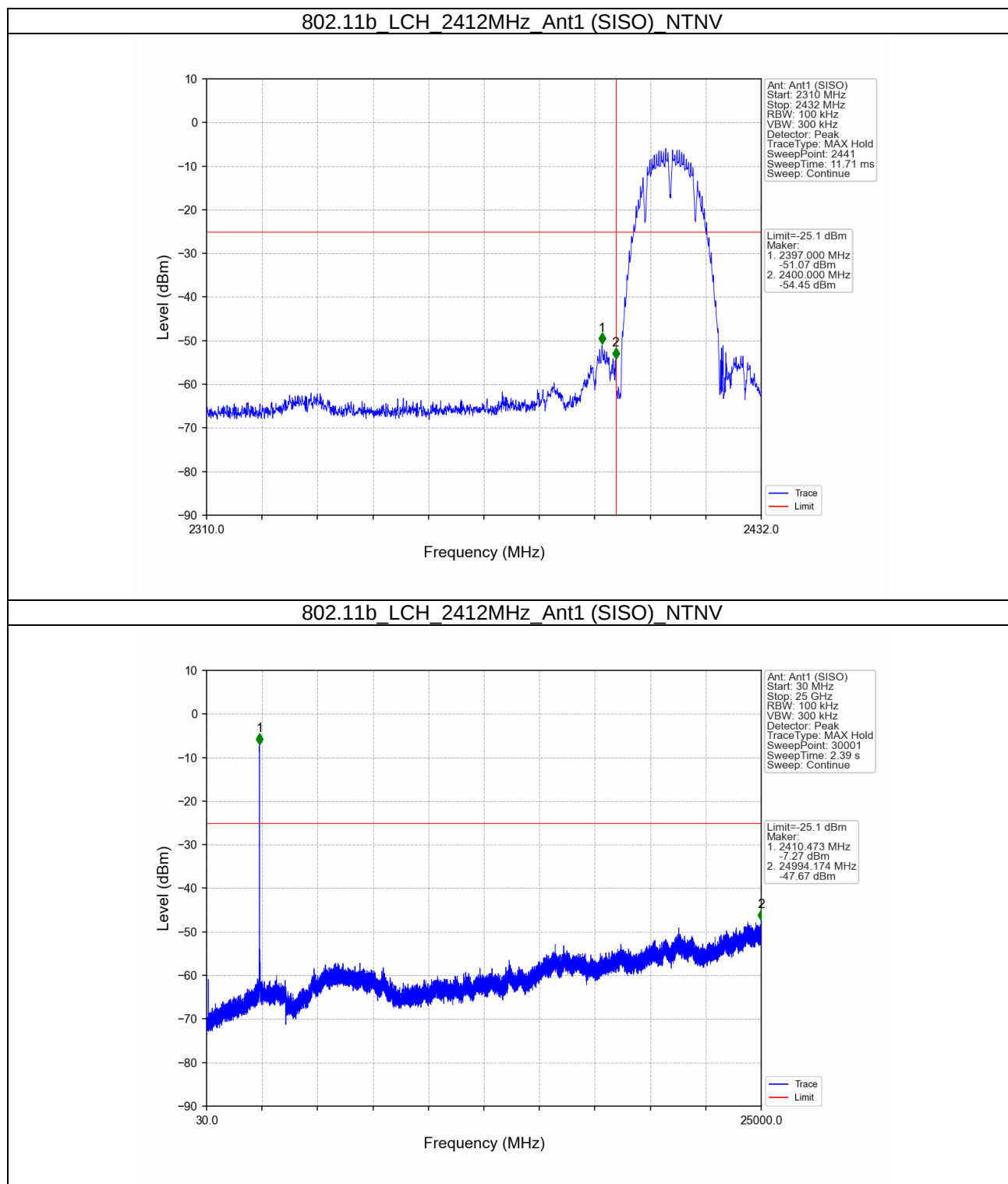
5.2 CSE and Band Edges

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-5.10	-25.10	Pass
		2437	1	-5.10	-25.10	Pass
		2462	1	-5.10	-25.10	Pass
802.11g	SISO	2412	1	-13.36	-33.36	Pass
		2437	1	-13.36	-33.36	Pass
		2462	1	-13.36	-33.36	Pass
802.11n (HT40)	SISO	2422	1	-15.74	-35.74	Pass
		2437	1	-15.74	-35.74	Pass
		2452	1	-15.74	-35.74	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



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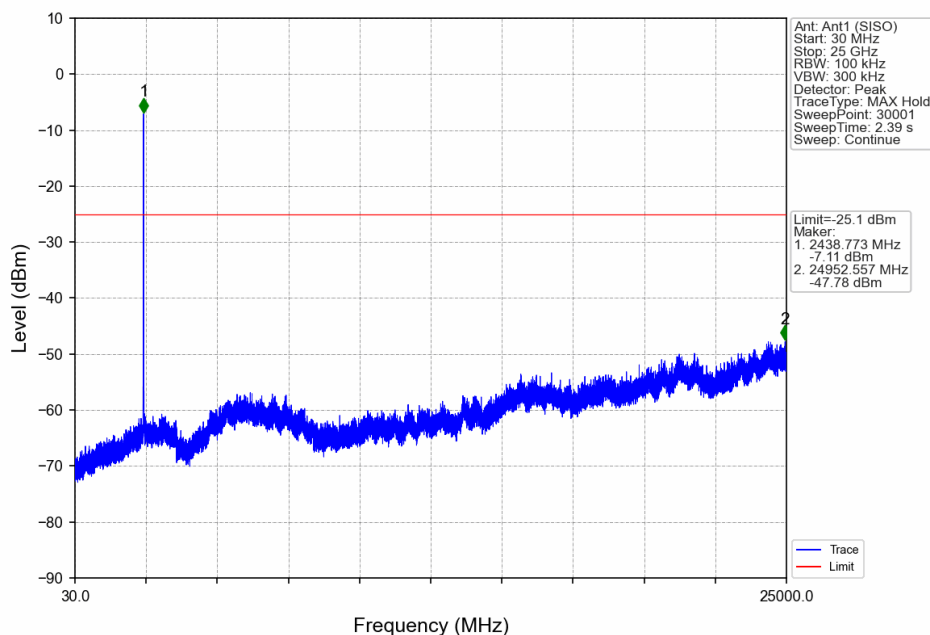
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Guangzhou Branch Testing Center EEC Laboratory

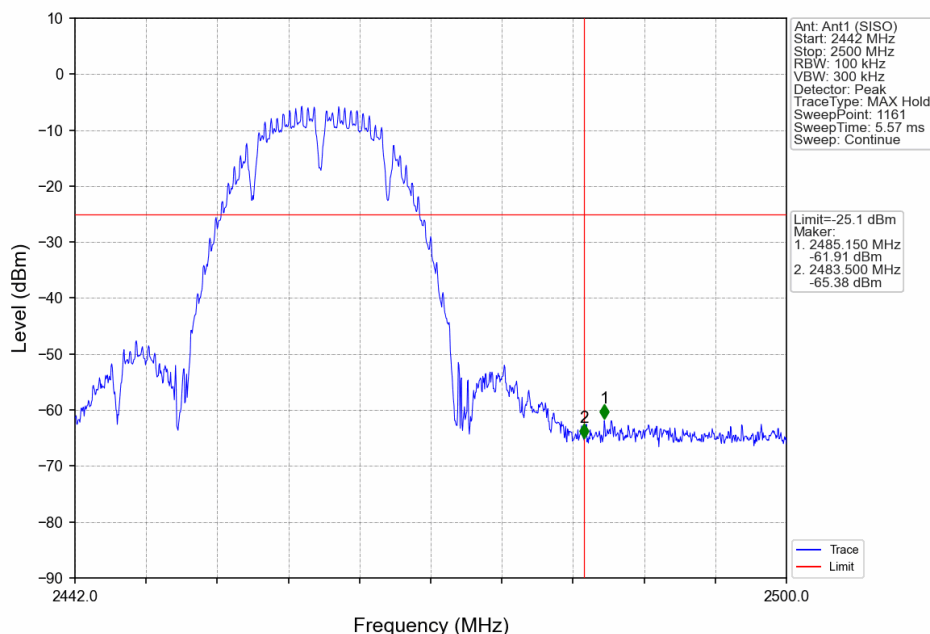
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



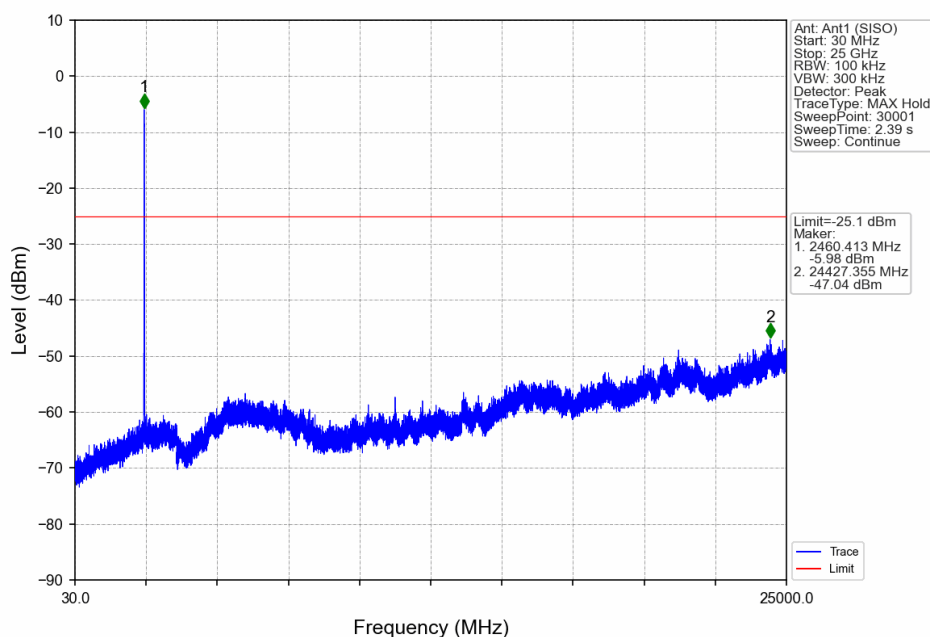
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



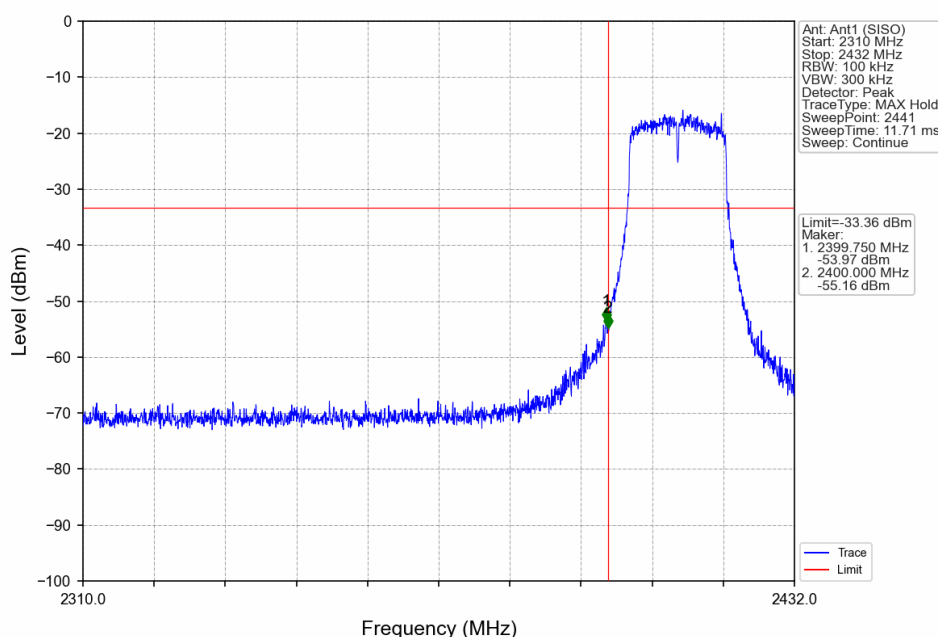
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



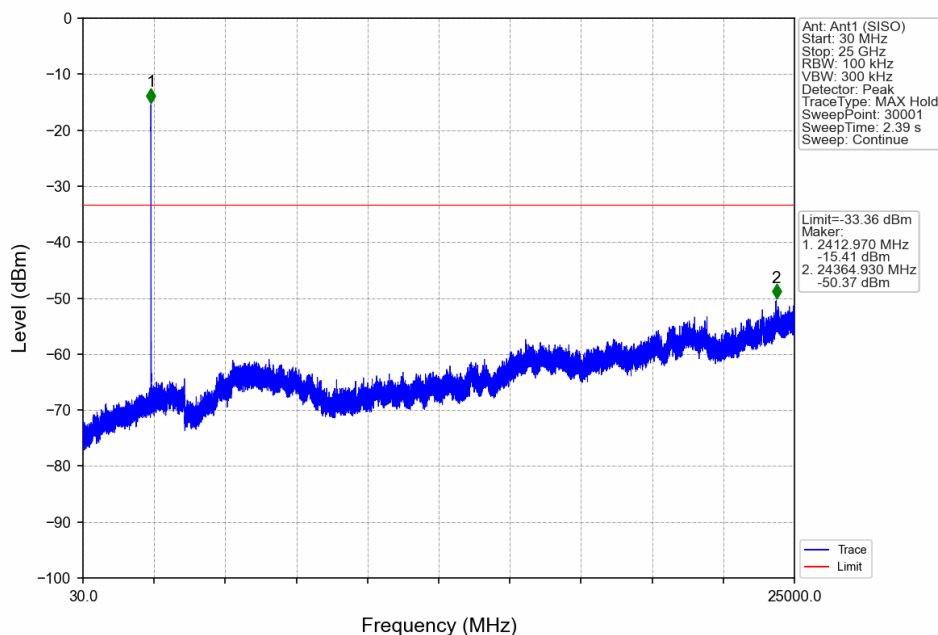
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



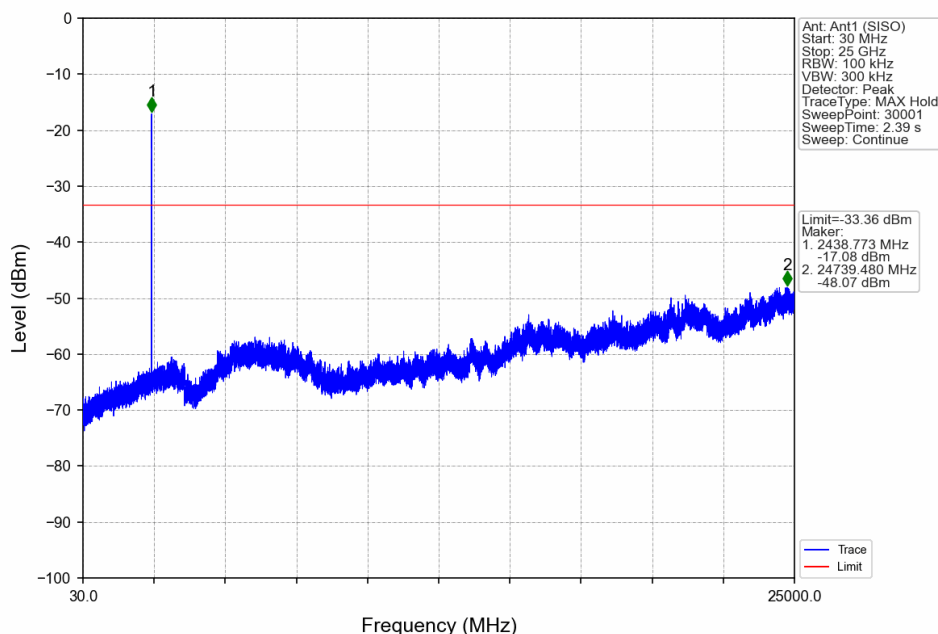
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



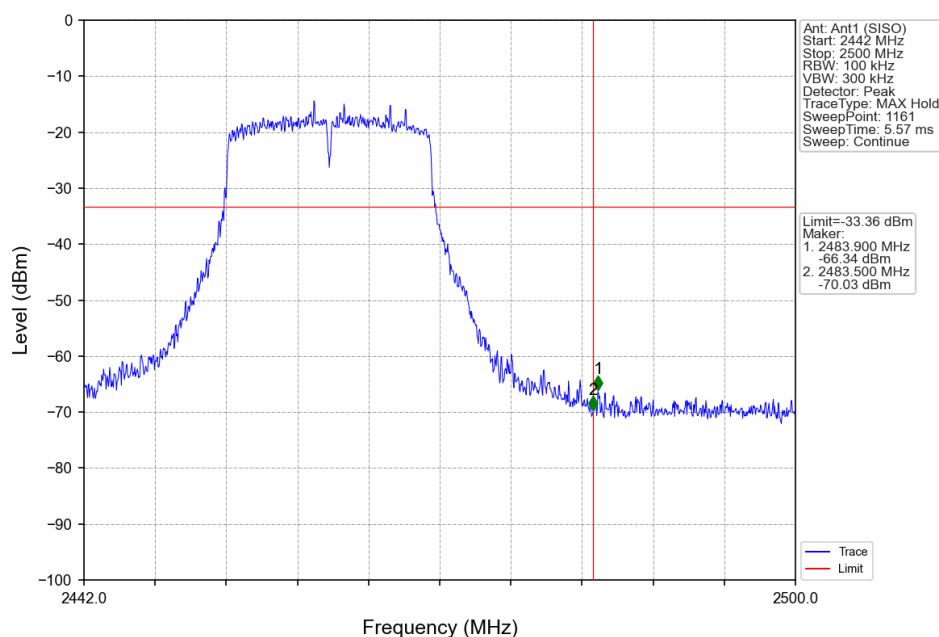
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



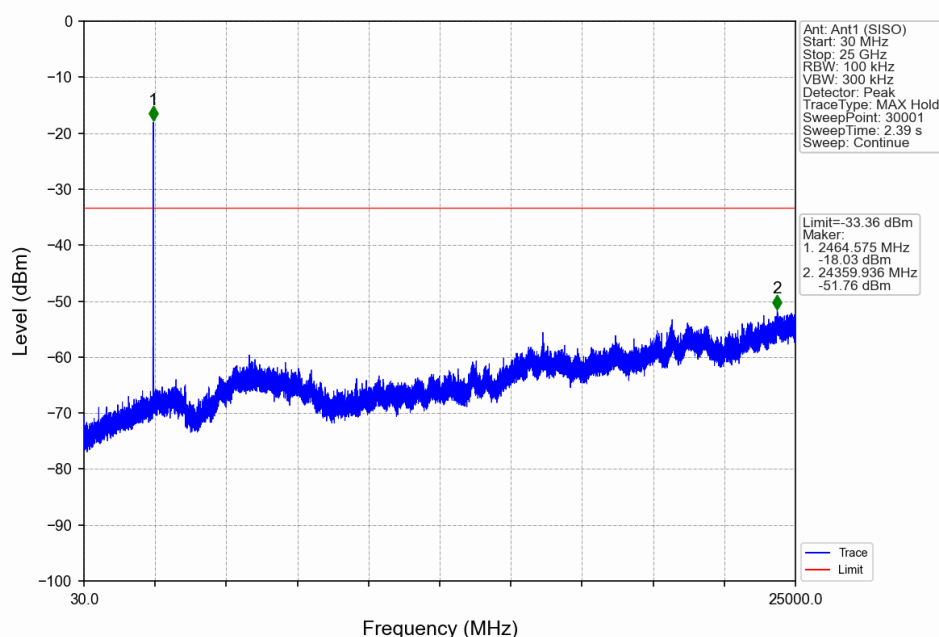
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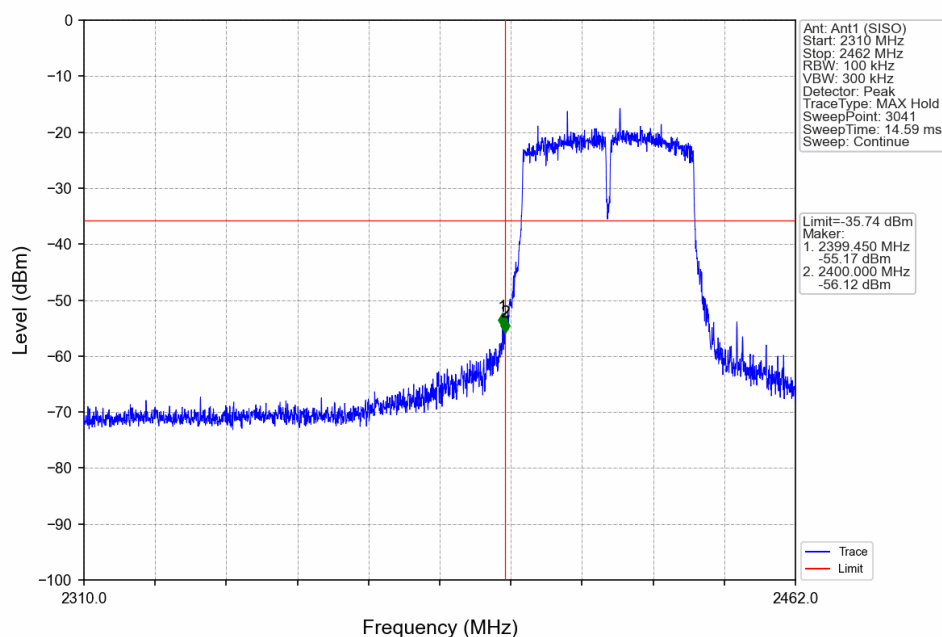
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



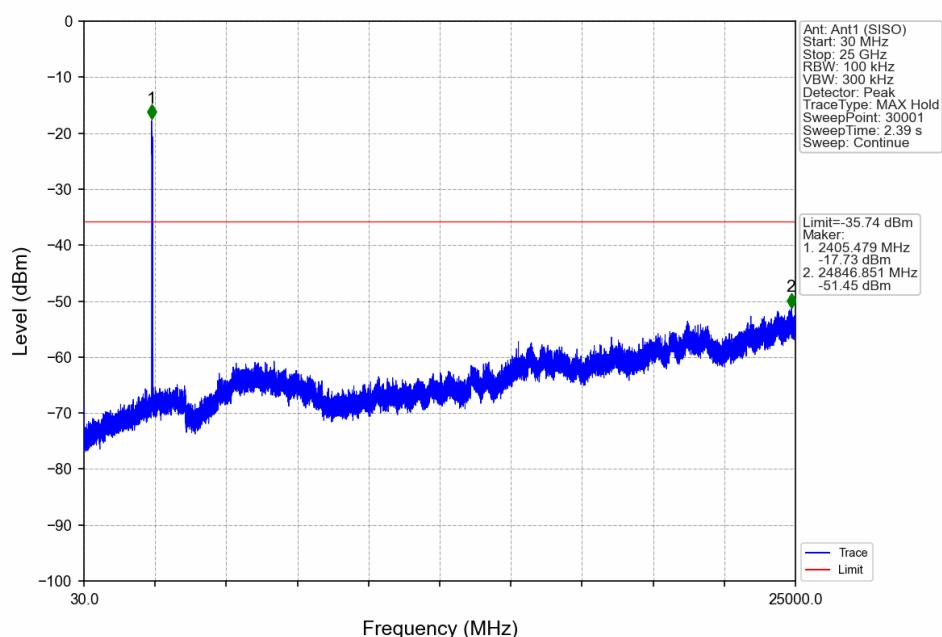
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



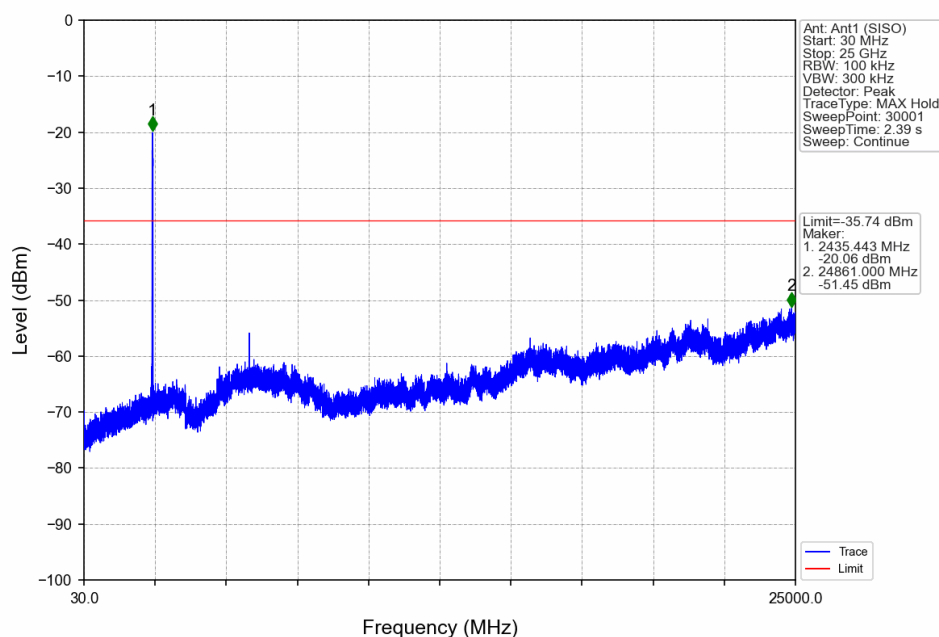
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



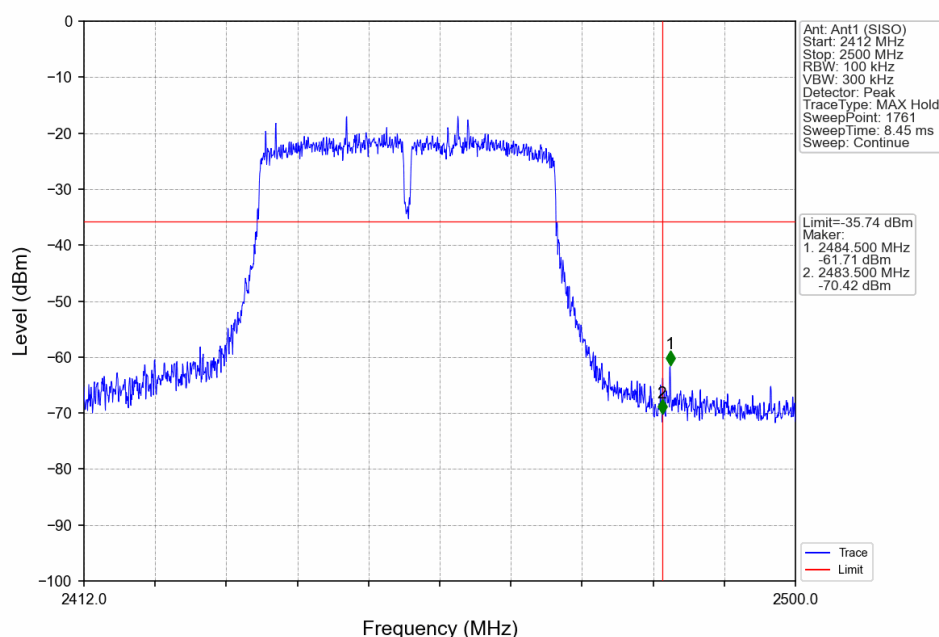
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

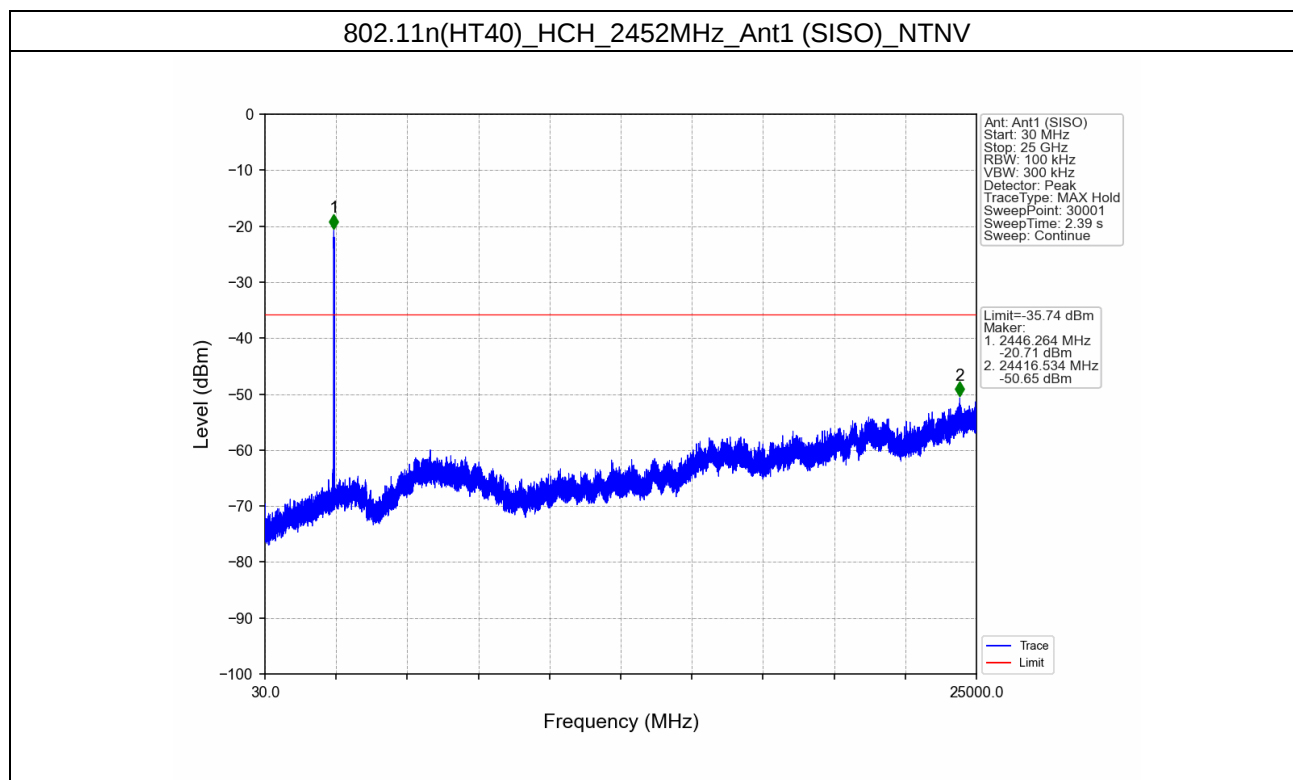


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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For BLE

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

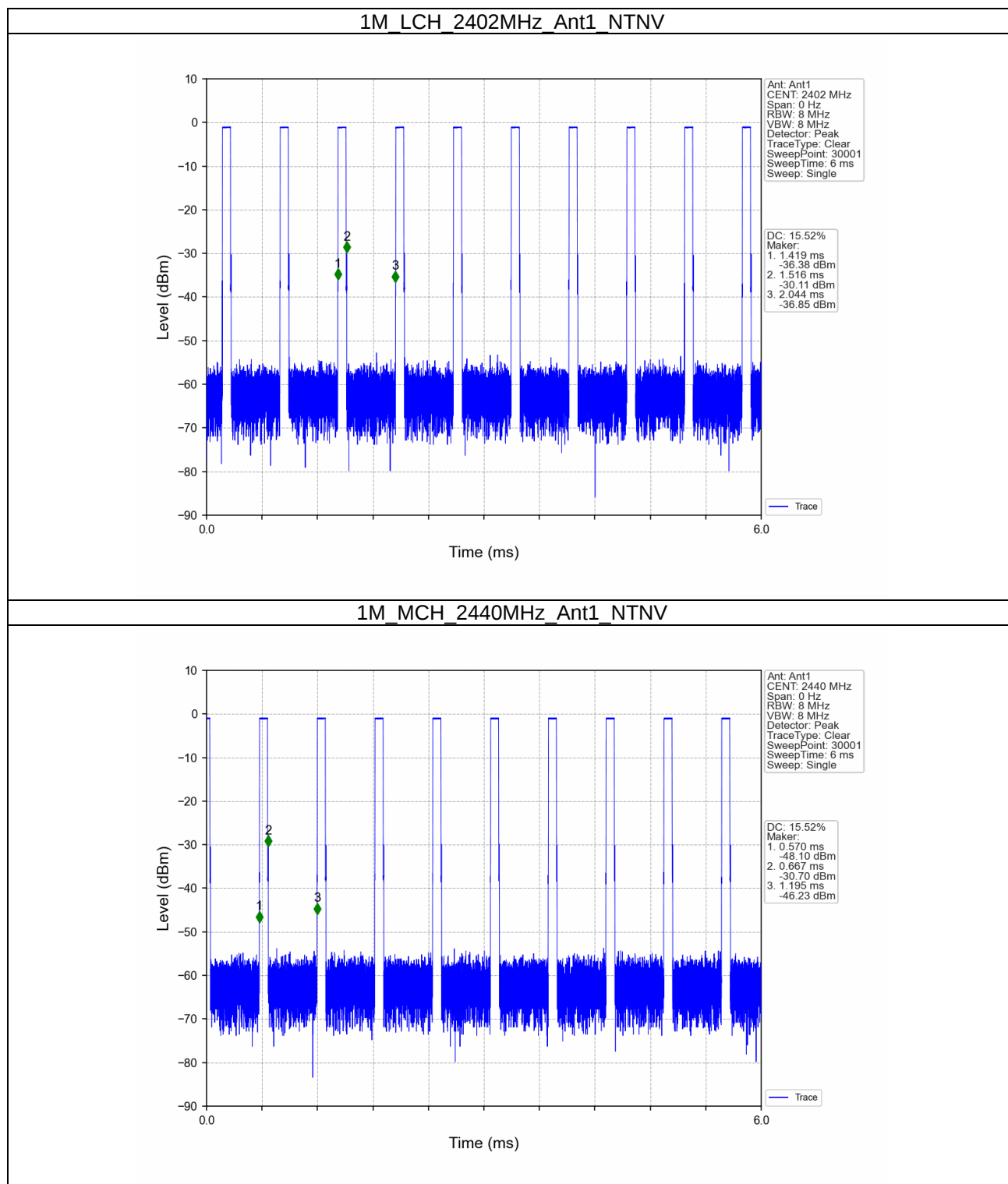
Ant1							
Mode	Tx Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.097	0.625	15.52	8.09	0.04
		2440	0.097	0.625	15.52	8.09	0.03
		2480	0.097	0.625	15.52	8.09	0.03
2M	SISO	2402	0.065	0.625	10.40	9.83	0.03
		2440	0.065	0.625	10.40	9.83	0.03
		2480	0.065	0.625	10.40	9.83	0.00



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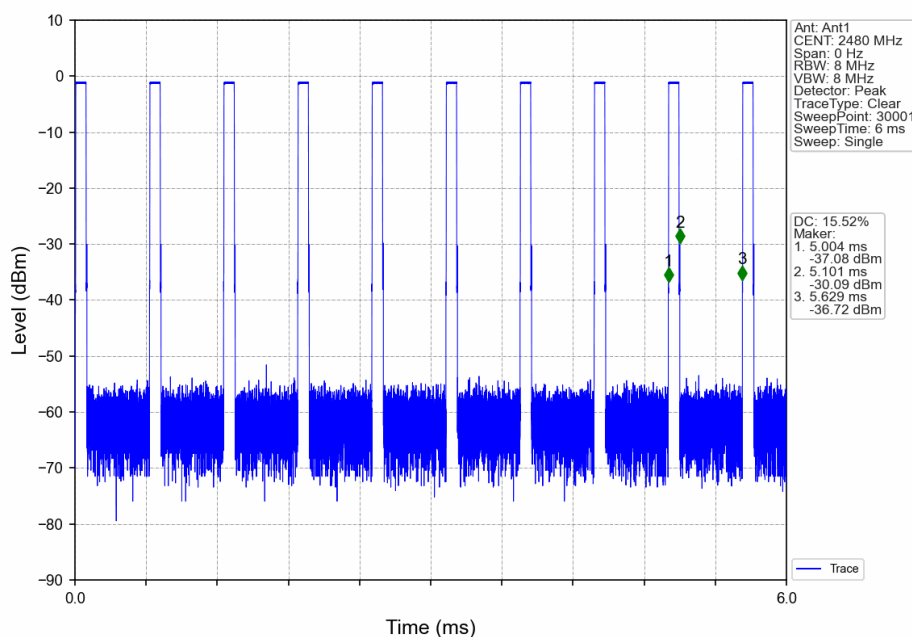
1.1.2 Test Graph



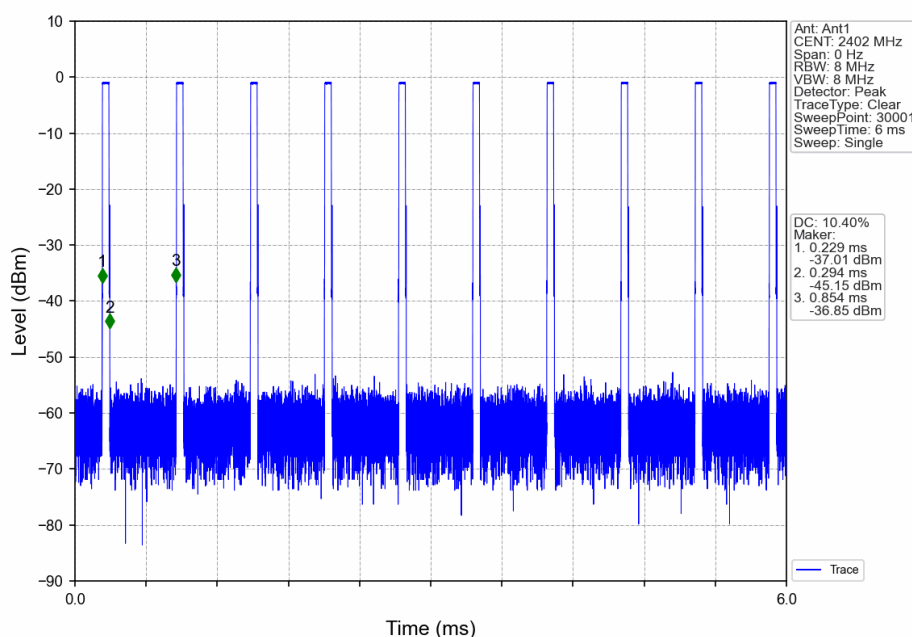
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1M_HCH_2480MHz_Ant1_NTNV



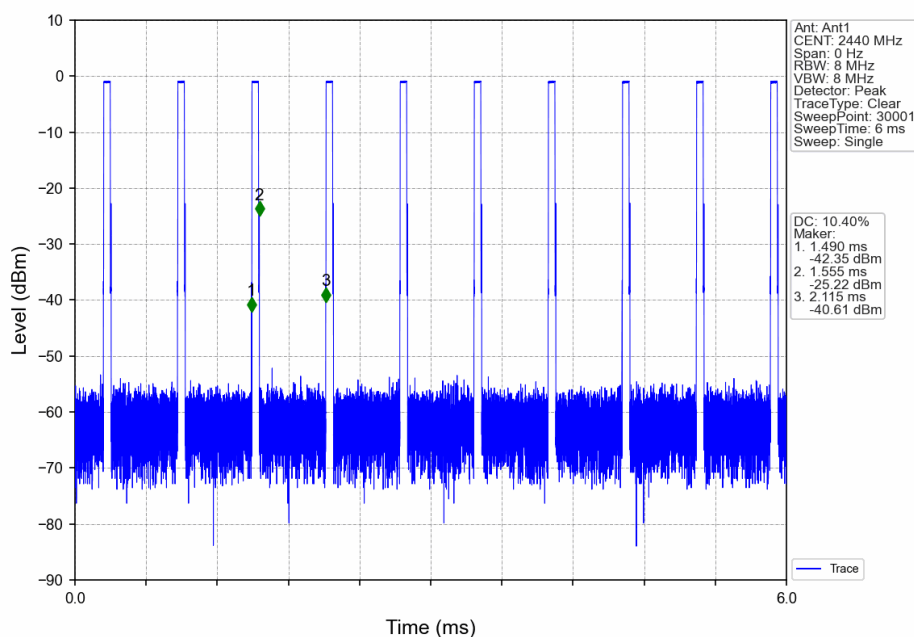
2M_LCH_2402MHz_Ant1_NTNV



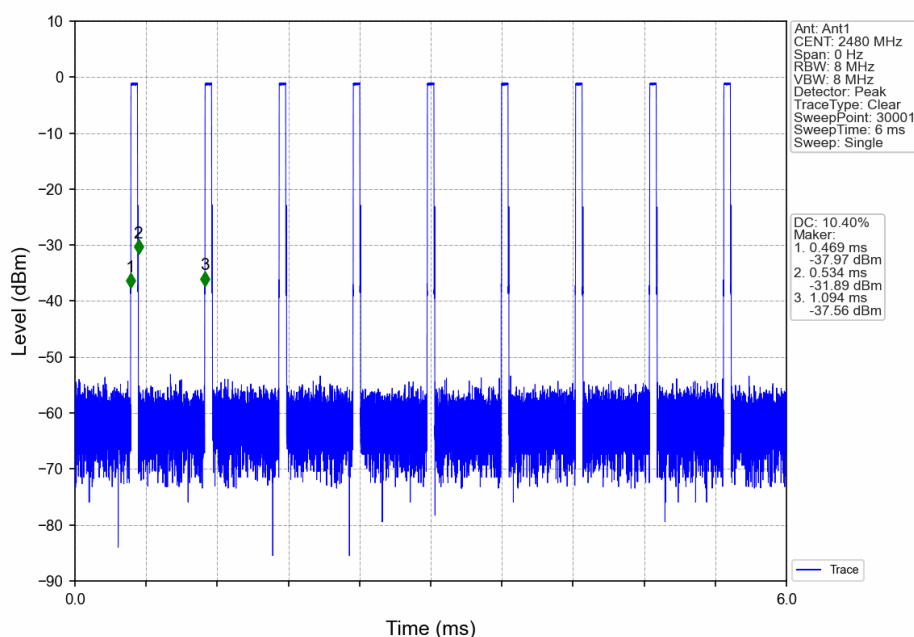
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



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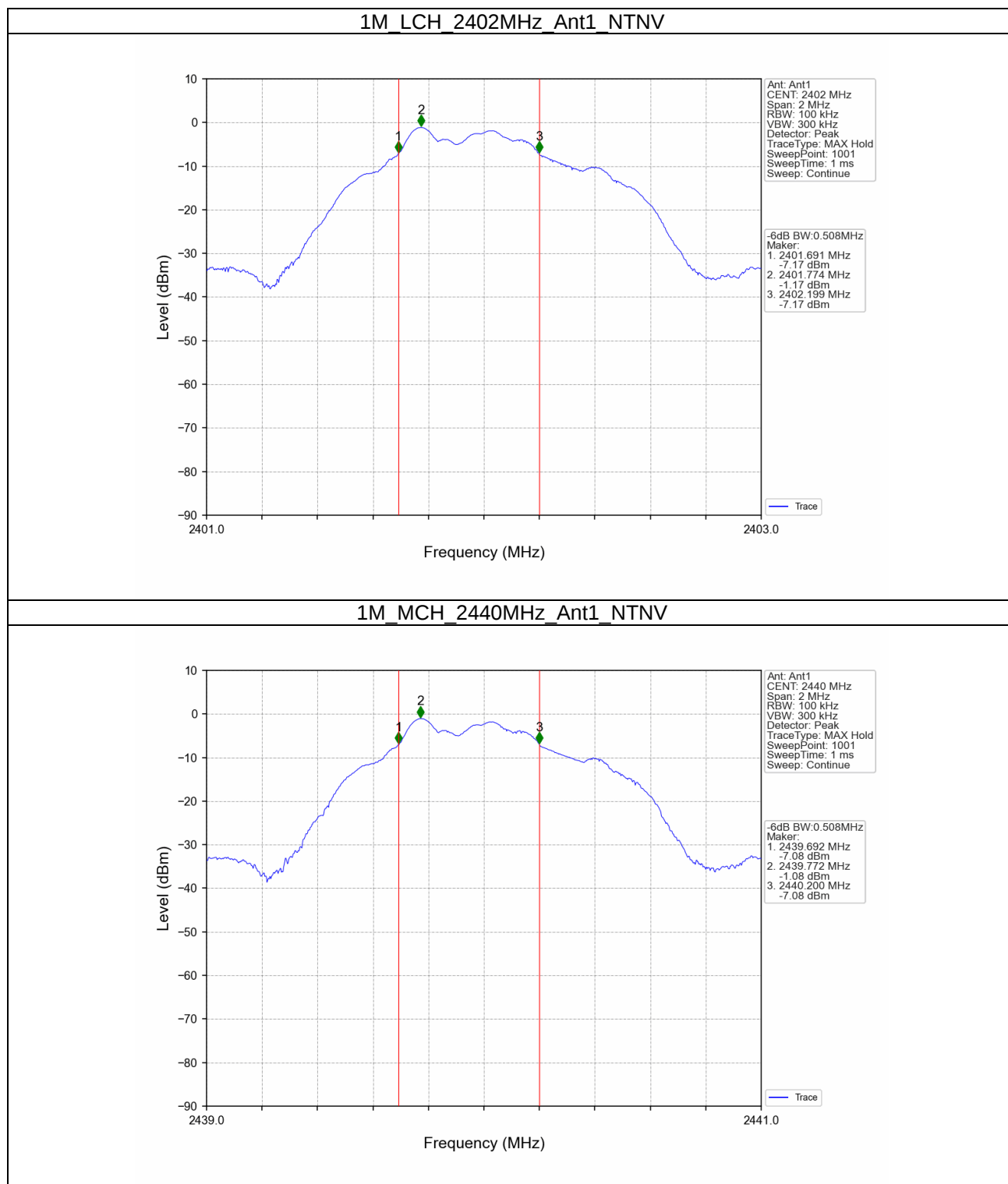
2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.508	≥ 0.5	Pass
		2440	1	0.508	≥ 0.5	Pass
		2480	1	0.505	≥ 0.5	Pass
2M	SISO	2402	1	0.875	≥ 0.5	Pass
		2440	1	0.872	≥ 0.5	Pass
		2480	1	0.875	≥ 0.5	Pass

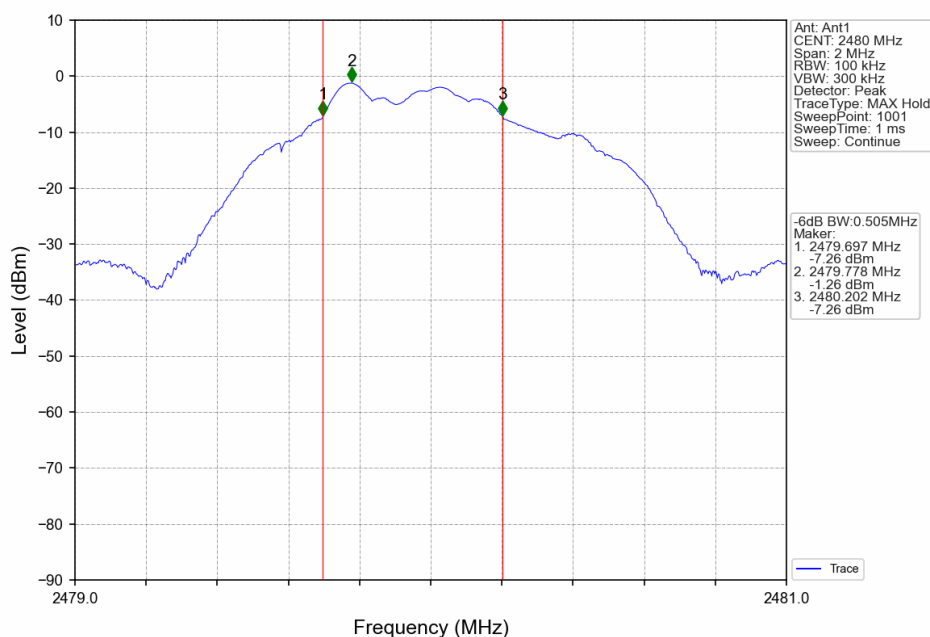
2.1.2 Test Graph



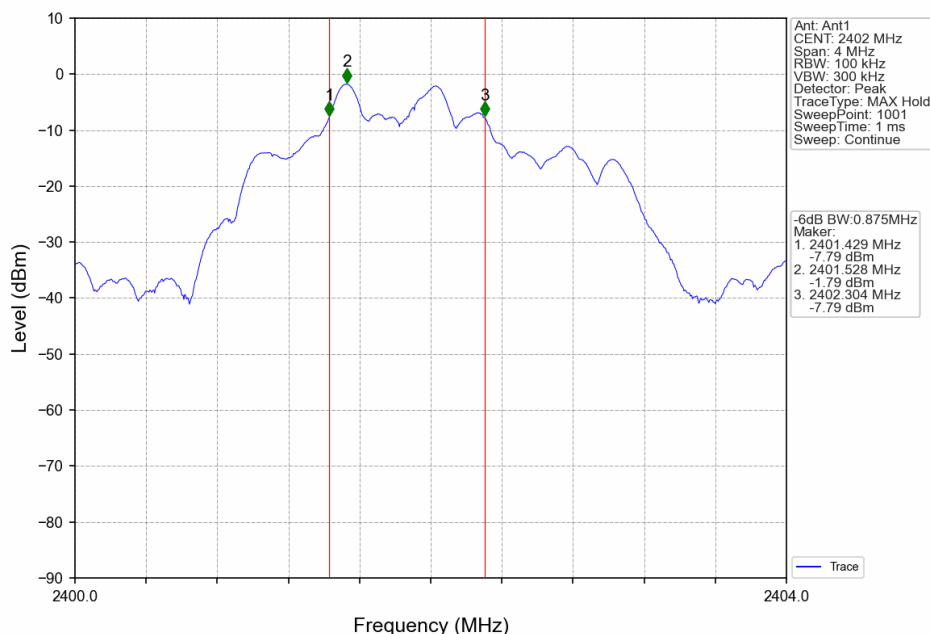
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1M_HCH_2480MHz_Ant1_NTNV



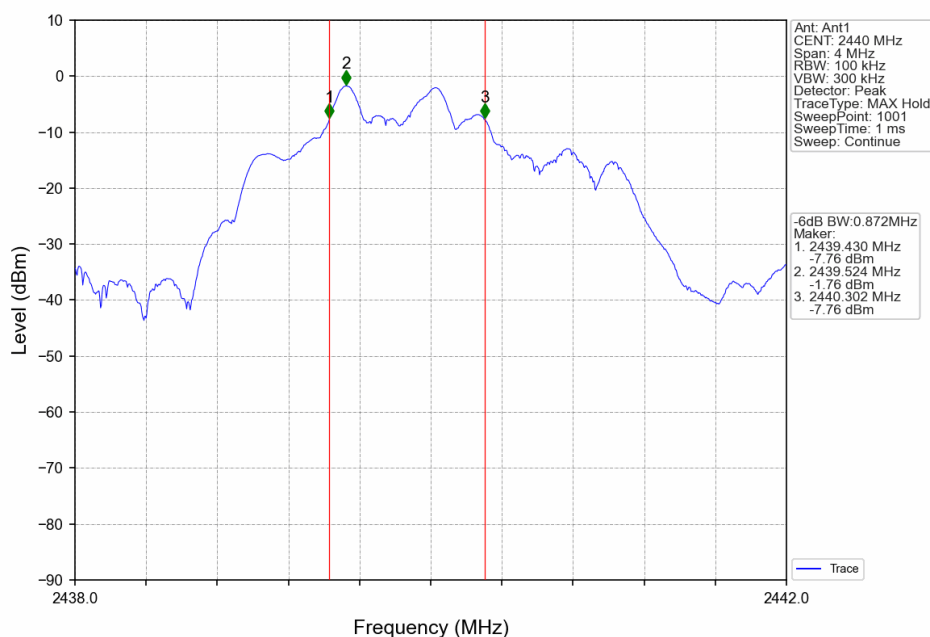
2M_LCH_2402MHz_Ant1_NTNV



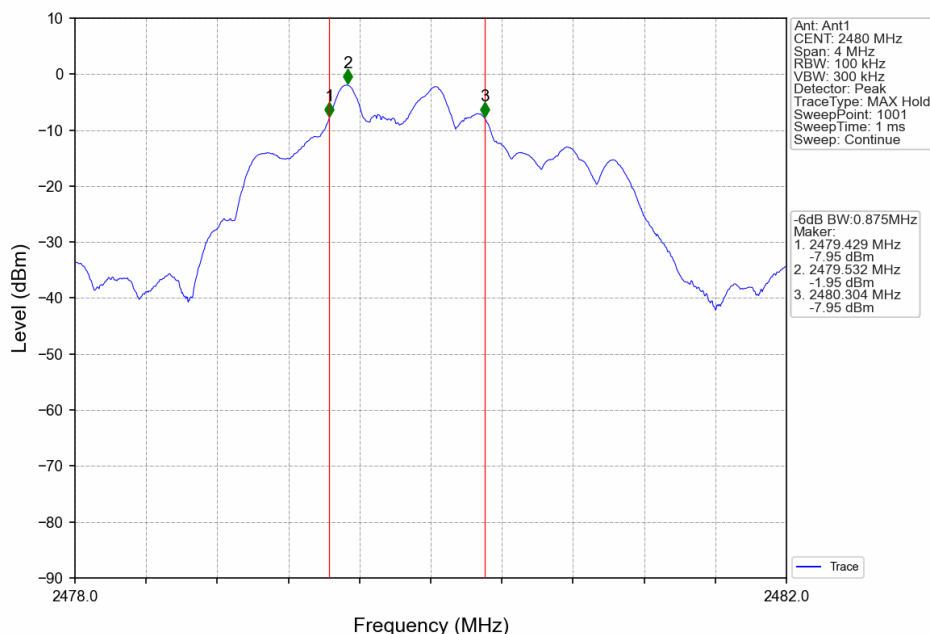
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

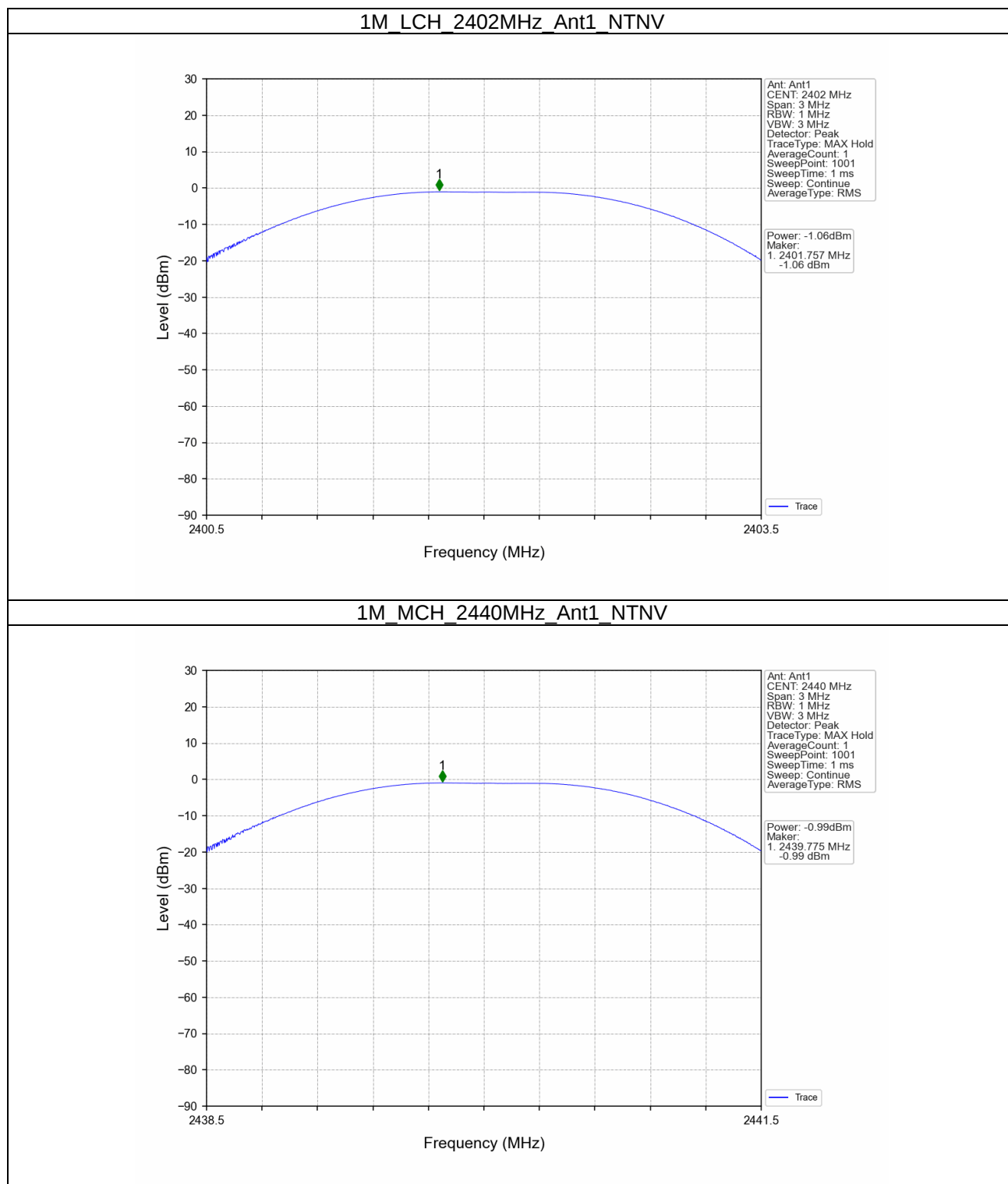
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-1.06	<=30	Pass
		2440	-0.99	<=30	Pass
		2480	-1.16	<=30	Pass
2M	SISO	2402	-0.97	<=30	Pass
		2440	-0.93	<=30	Pass
		2480	-1.11	<=30	Pass



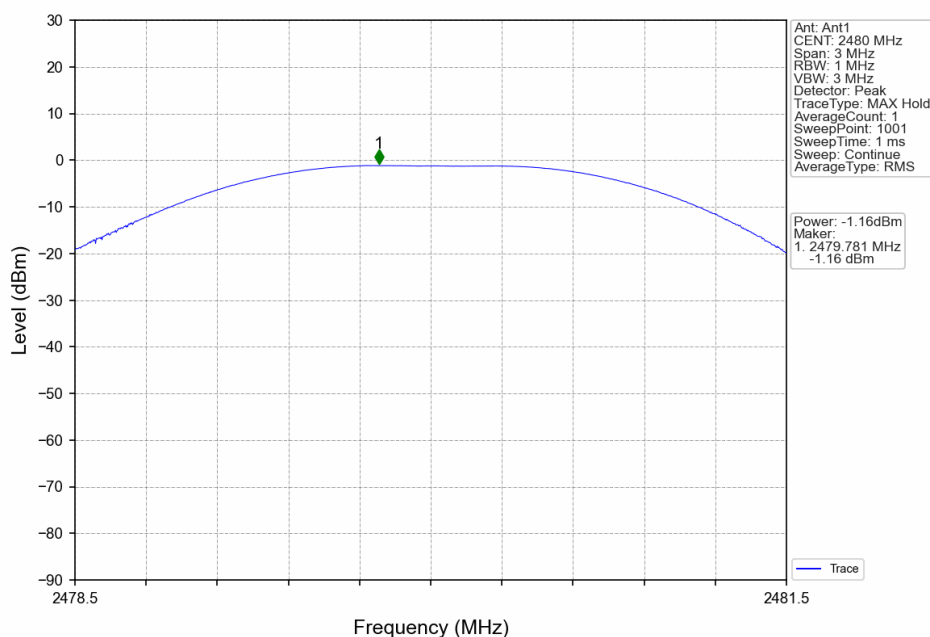
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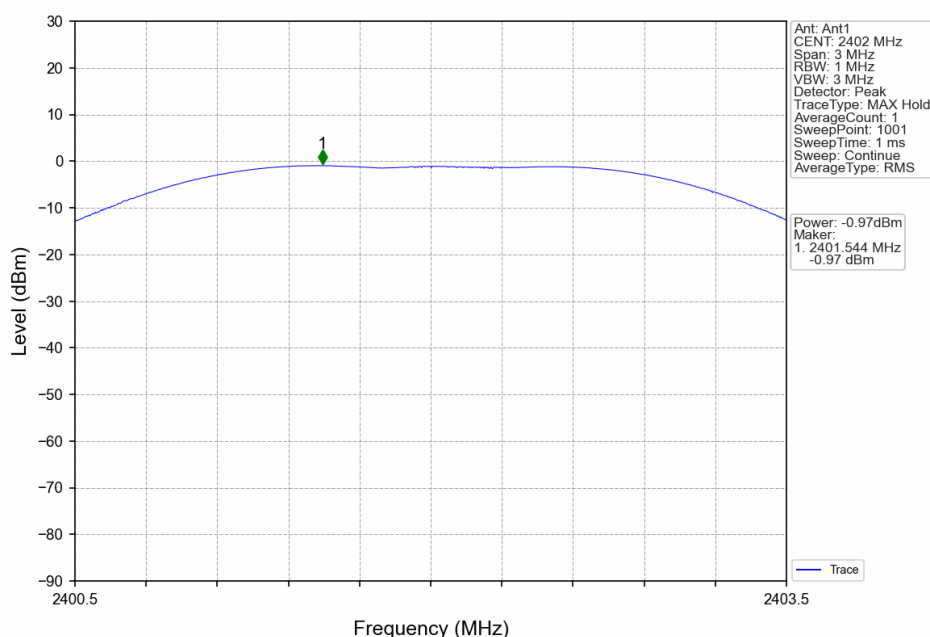
3.1.2 Test Graph



1M_HCH_2480MHz_Ant1_NTNV



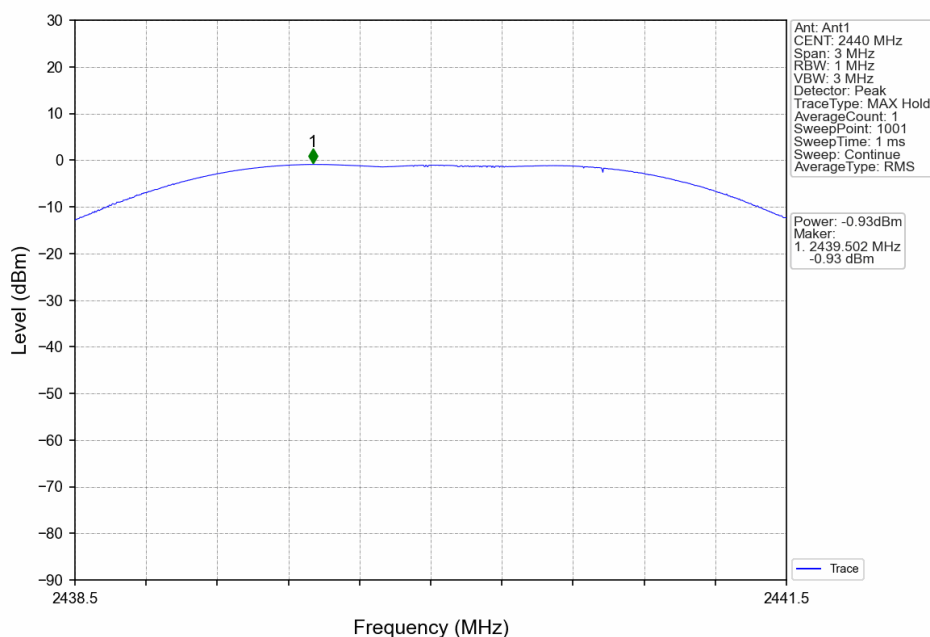
2M_LCH_2402MHz_Ant1_NTNV



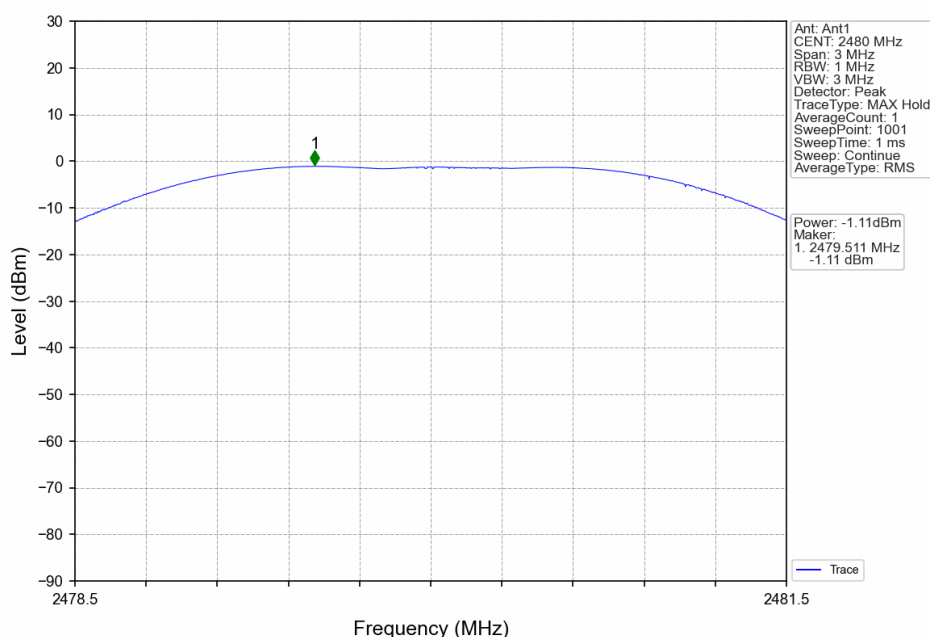
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

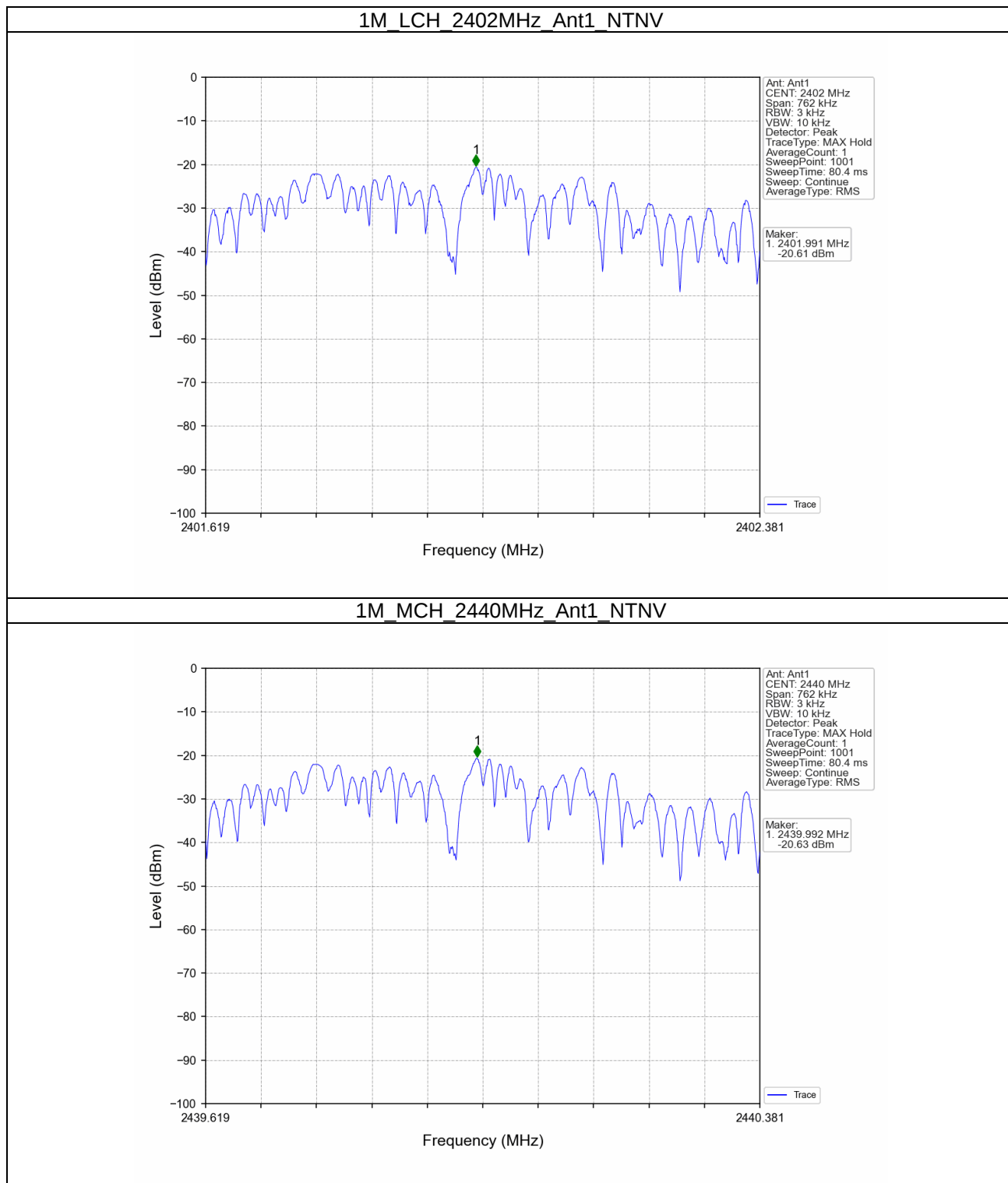
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-20.61	<=8	Pass
		2440	-20.63	<=8	Pass
		2480	-20.79	<=8	Pass
2M	SISO	2402	-23.36	<=8	Pass
		2440	-23.28	<=8	Pass
		2480	-23.46	<=8	Pass



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4.1.2 Test Graph



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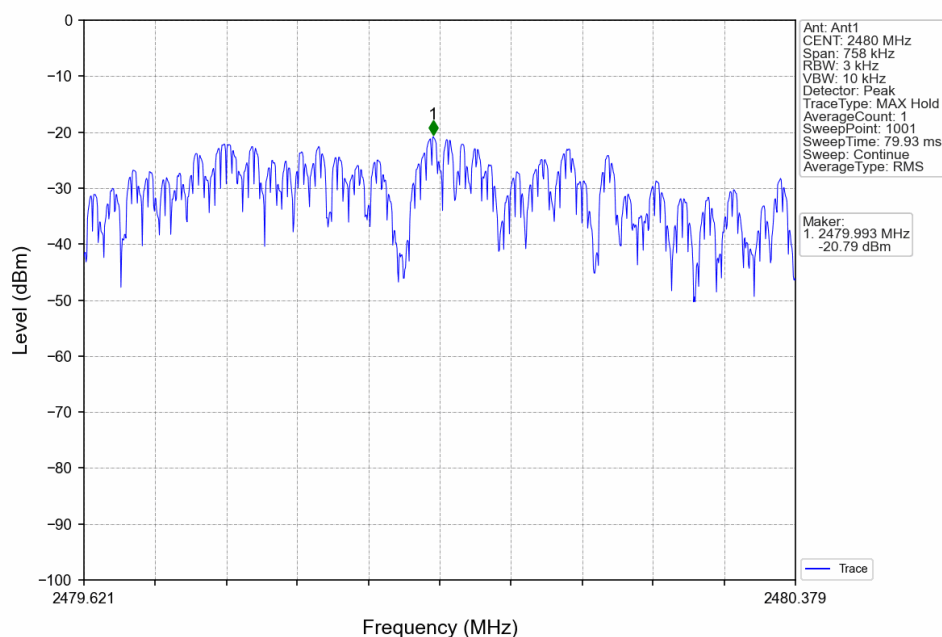
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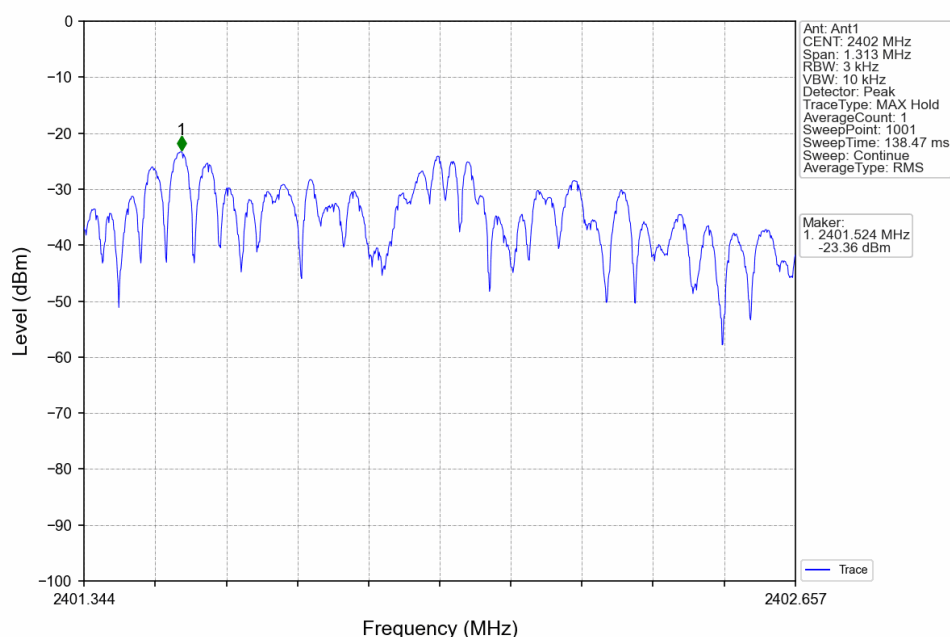
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1M_HCH_2480MHz_Ant1_NTNV



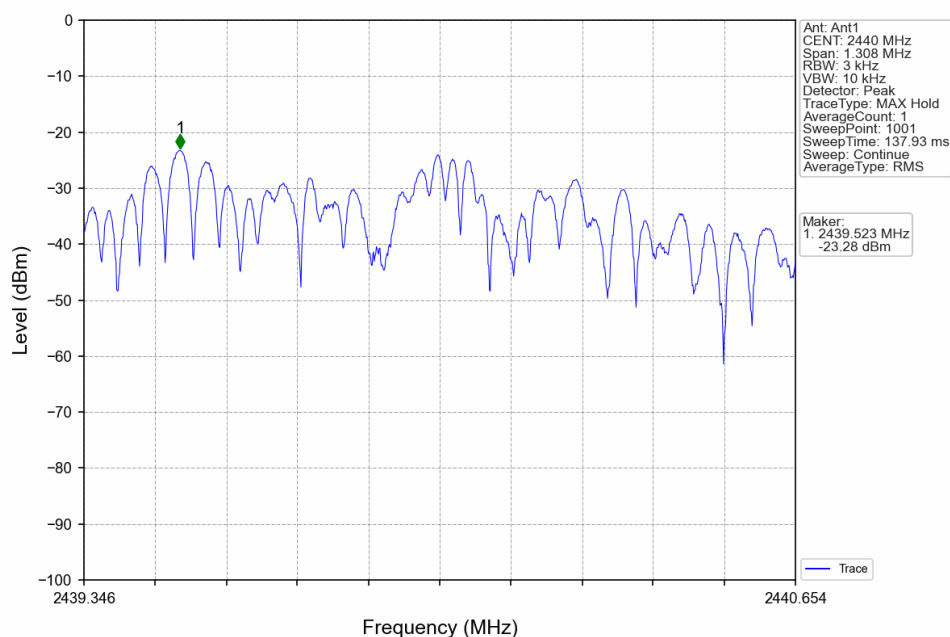
2M_LCH_2402MHz_Ant1_NTNV



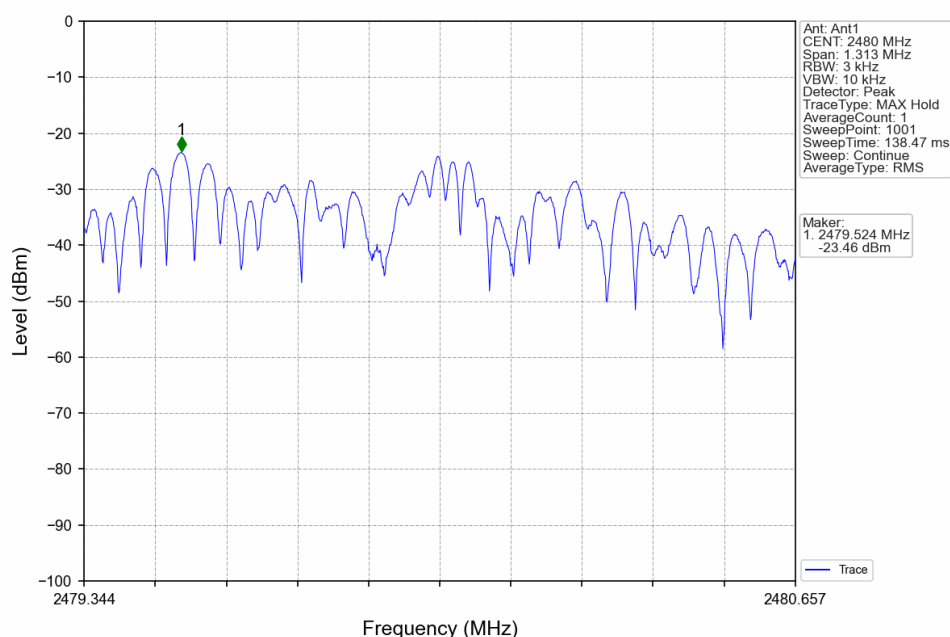
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_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	-1.15
		2440	1	-1.09
		2480	1	-1.26
2M	SISO	2402	1	-1.84
		2440	1	-1.78
		2480	1	-1.98

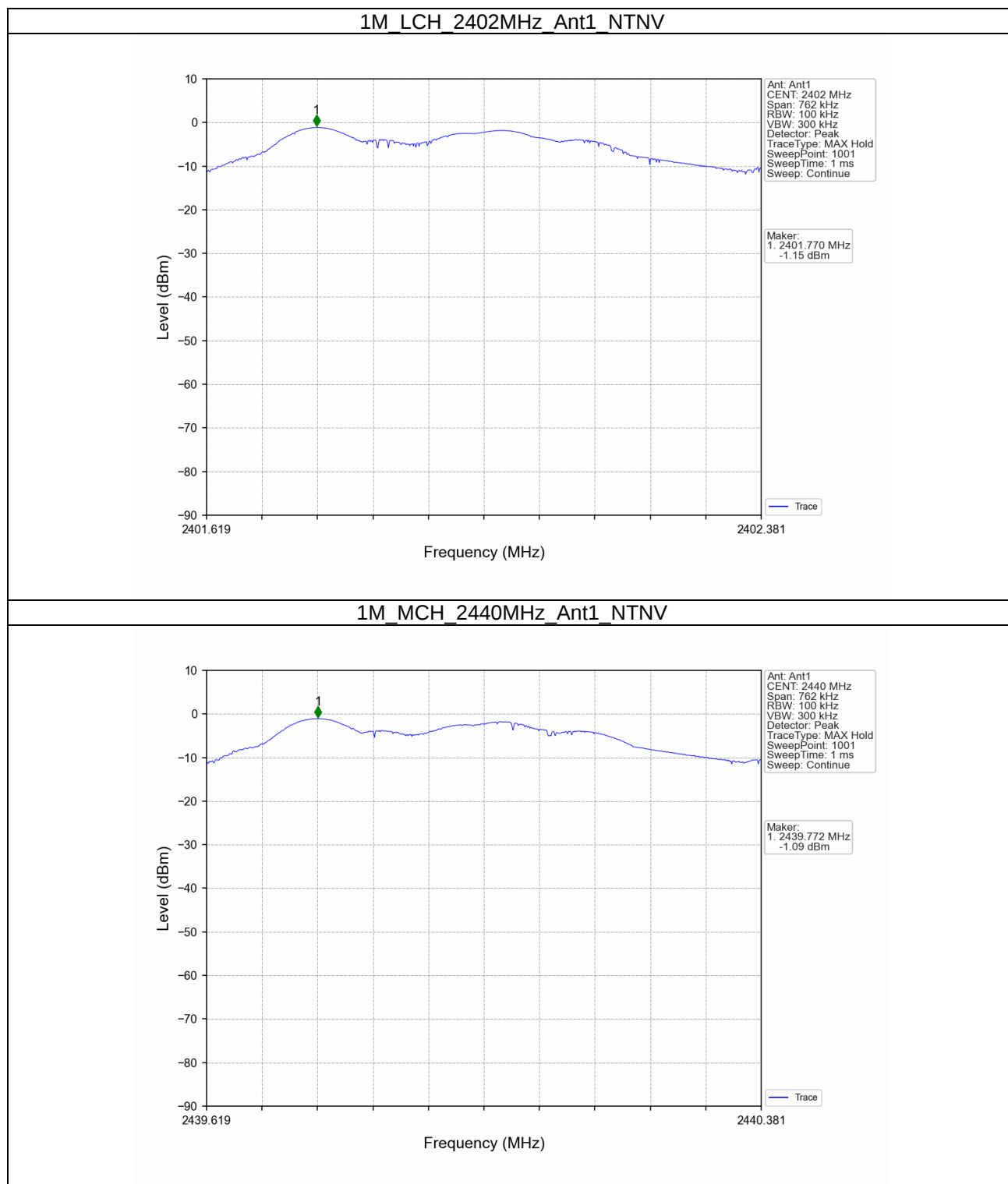
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



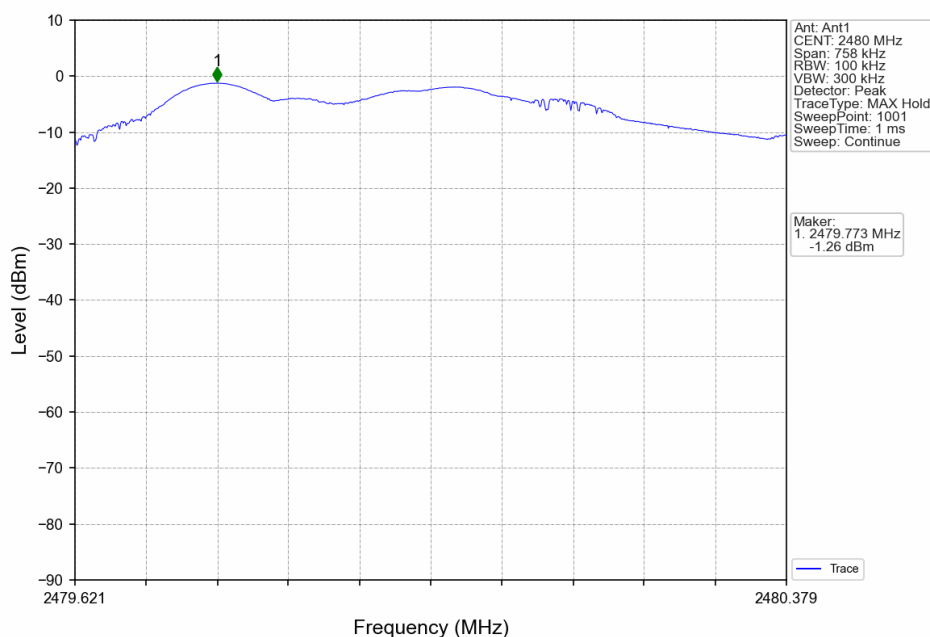
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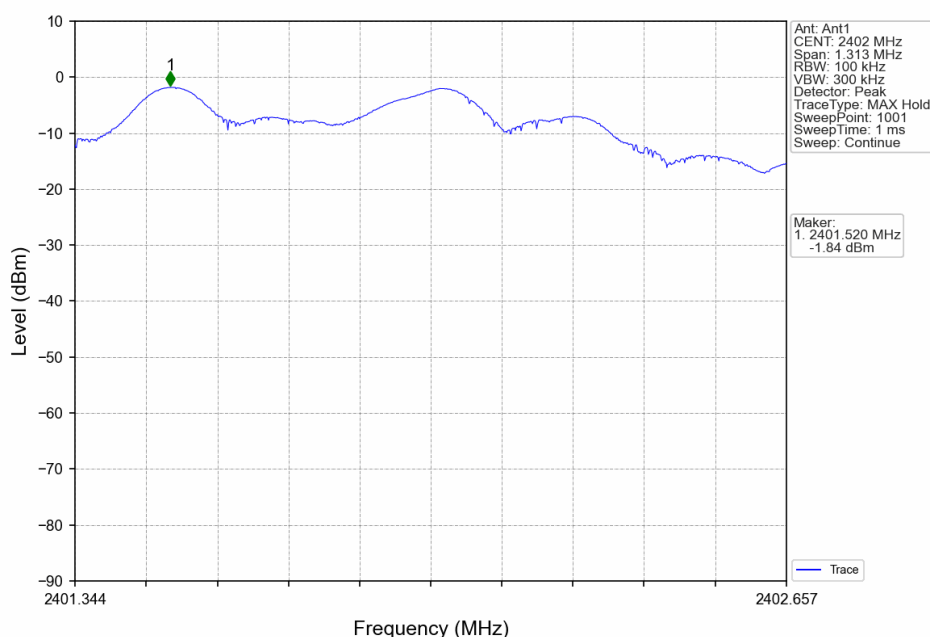
5.1.2 Test Graph



1M_HCH_2480MHz_Ant1_NTNV



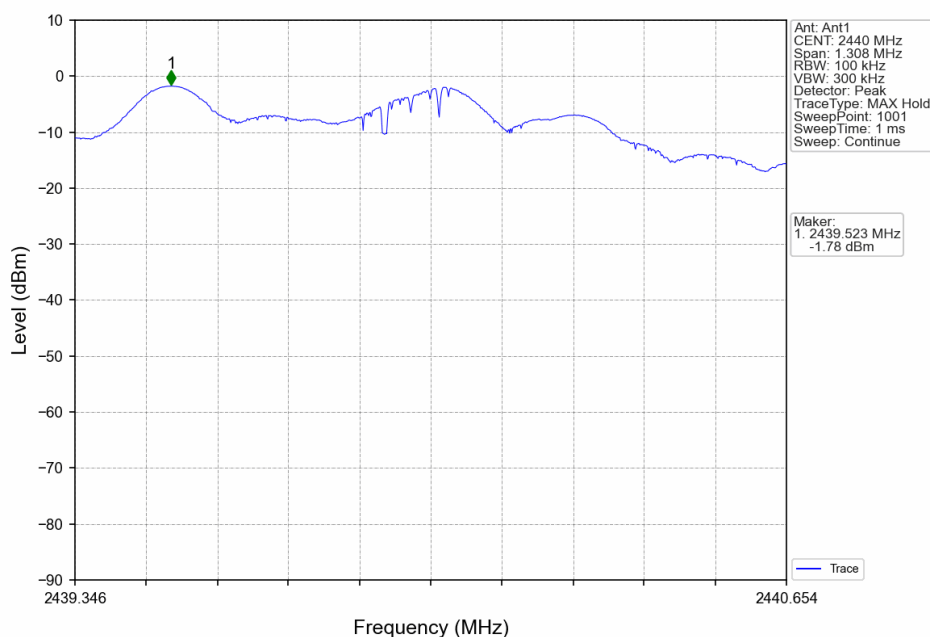
2M_LCH_2402MHz_Ant1_NTNV



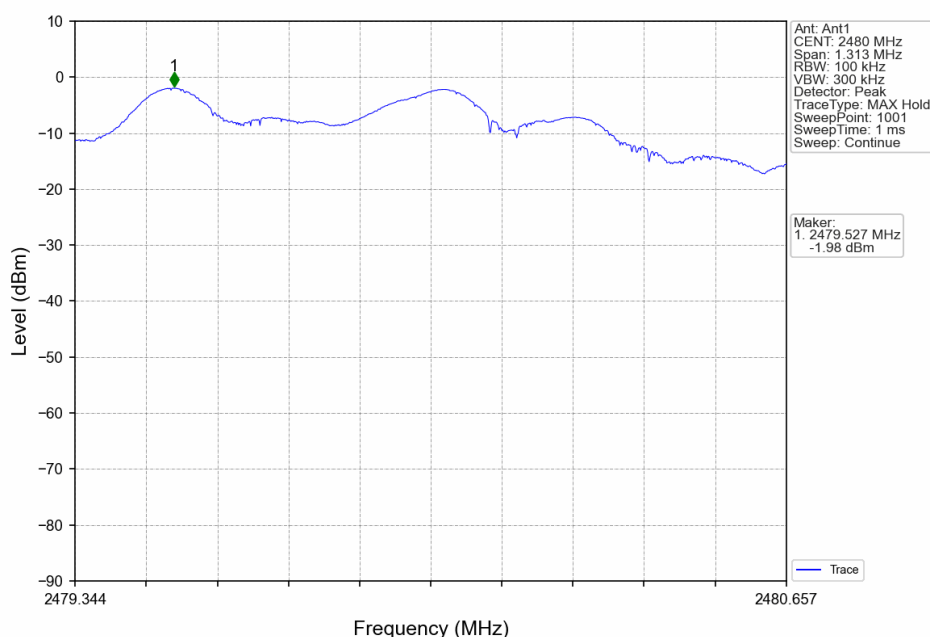
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



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5.2 CSE and Band Edges

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.09	-21.09	Pass
		2440	1	-1.09	-21.09	Pass
		2480	1	-1.09	-21.09	Pass
2M	SISO	2402	1	-1.78	-21.78	Pass
		2440	1	-1.78	-21.78	Pass
		2480	1	-1.78	-21.78	Pass

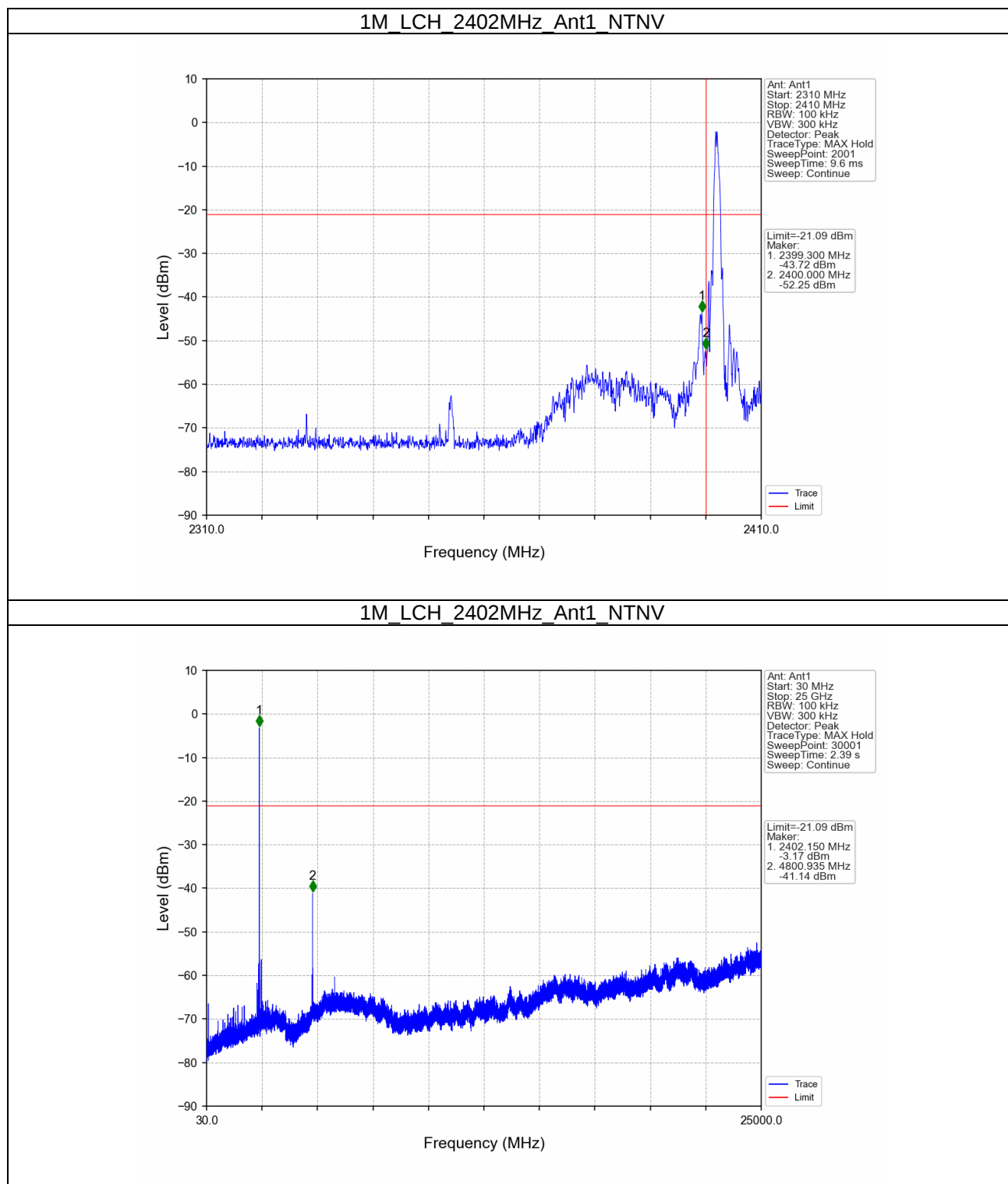
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



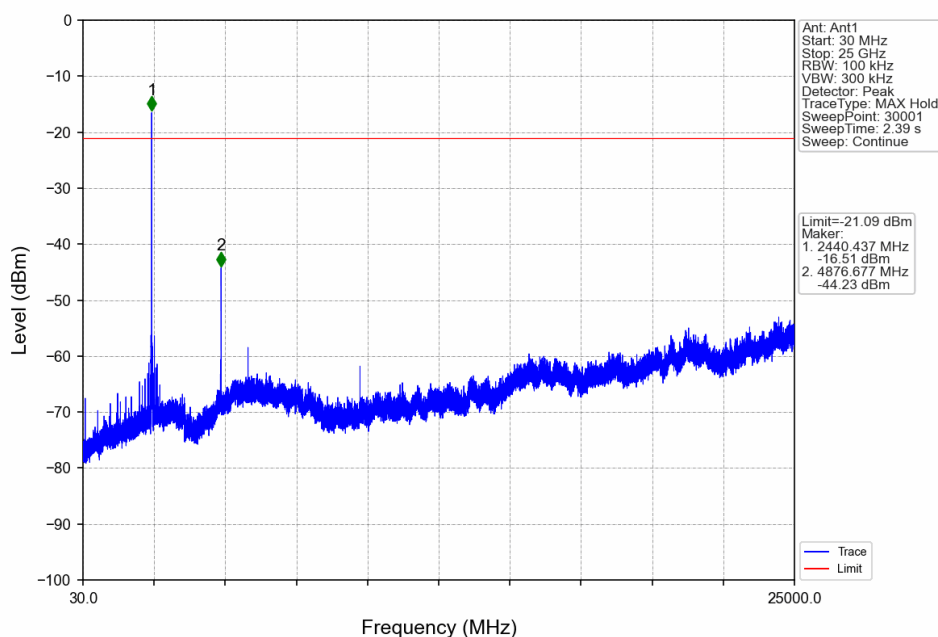
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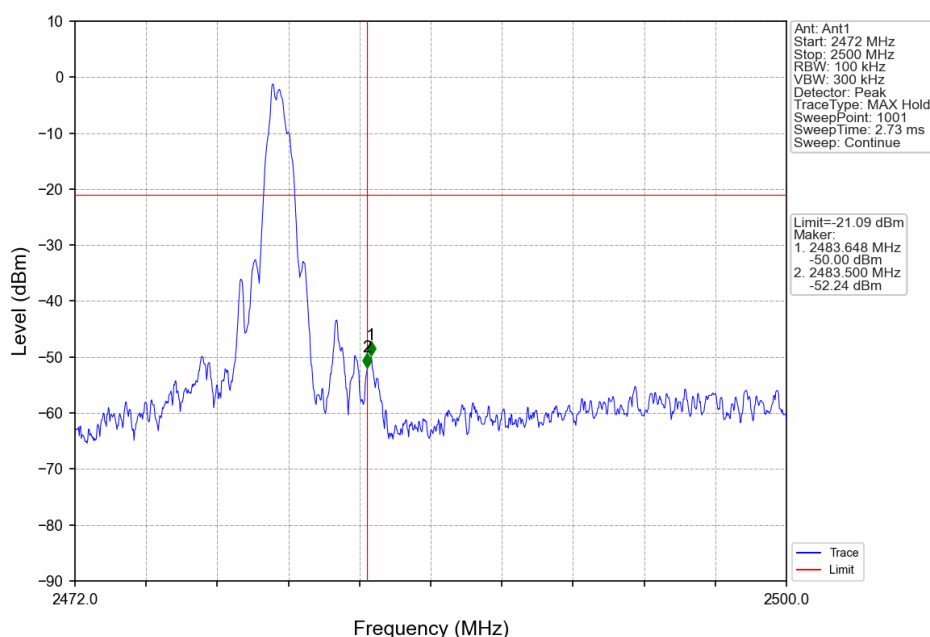
5.2.2 Test Graph



1M_MCH_2440MHz_Ant1_NTNV



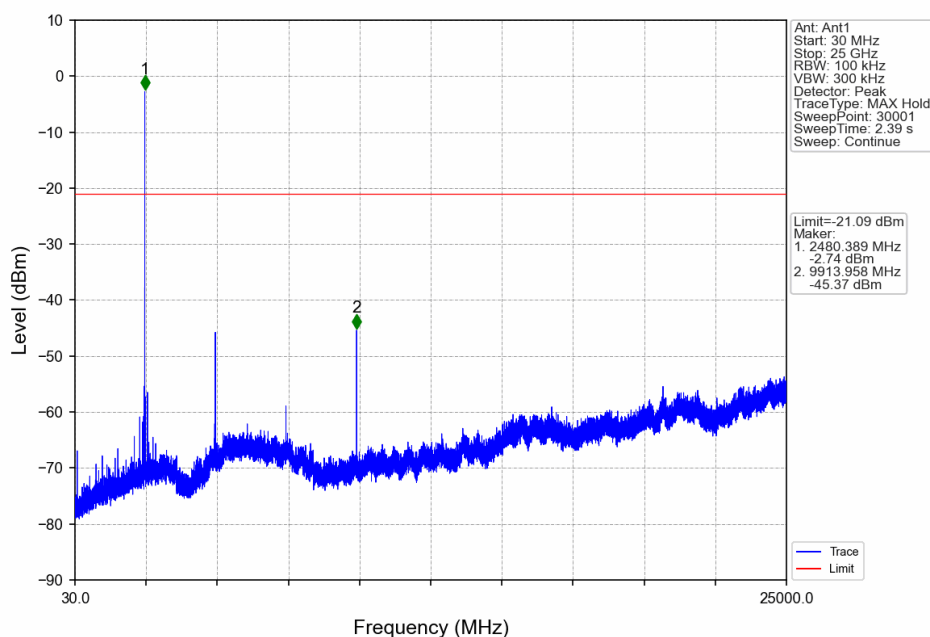
1M_HCH_2480MHz_Ant1_NTNV



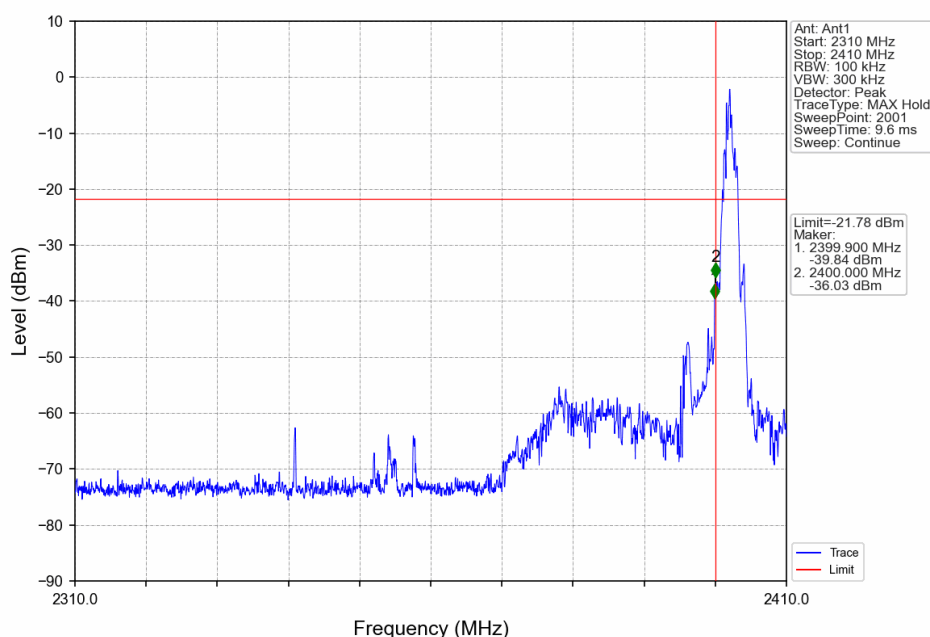
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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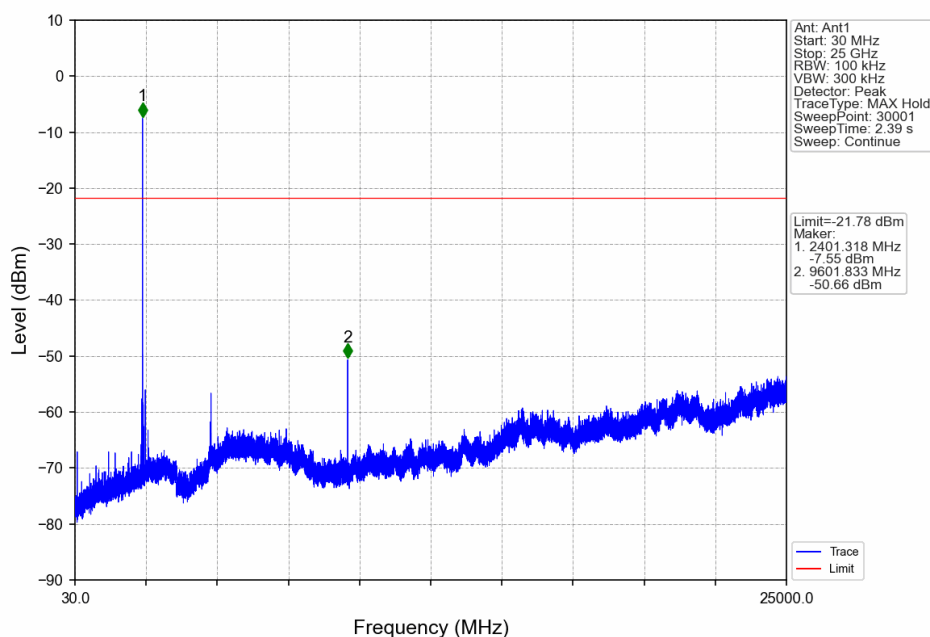
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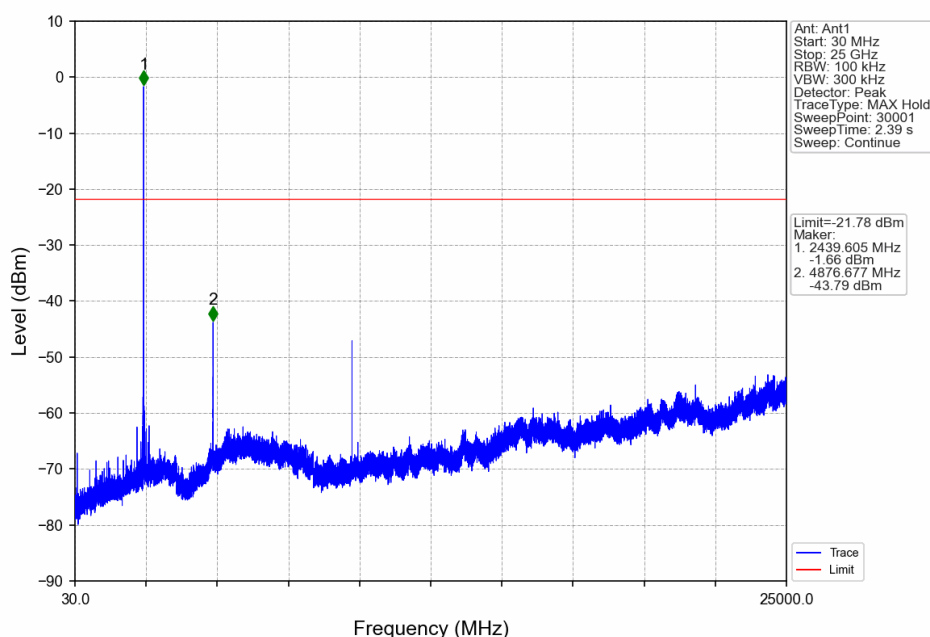
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2M_LCH_2402MHz_Ant1_NTNV



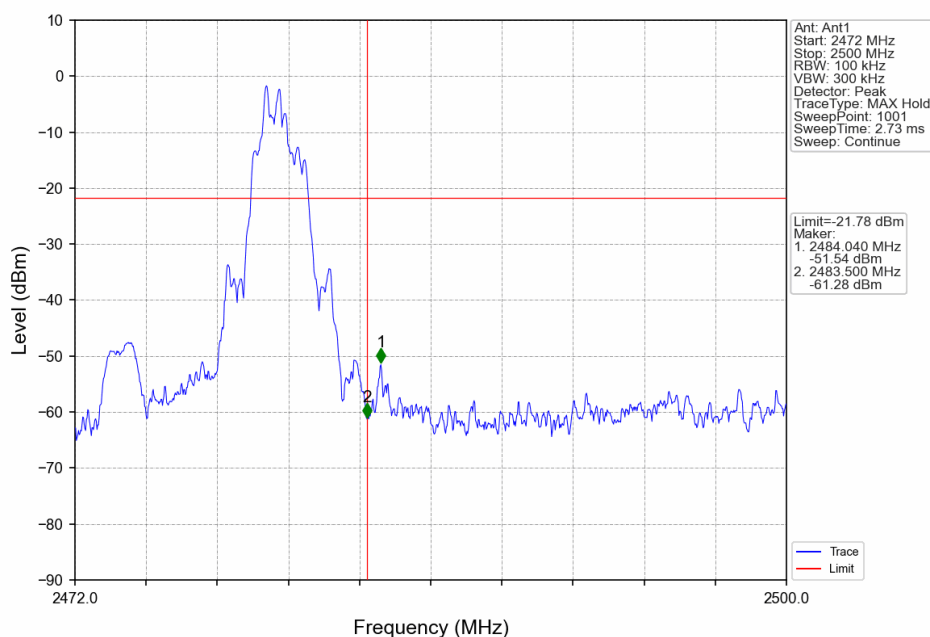
2M_MCH_2440MHz_Ant1_NTNV



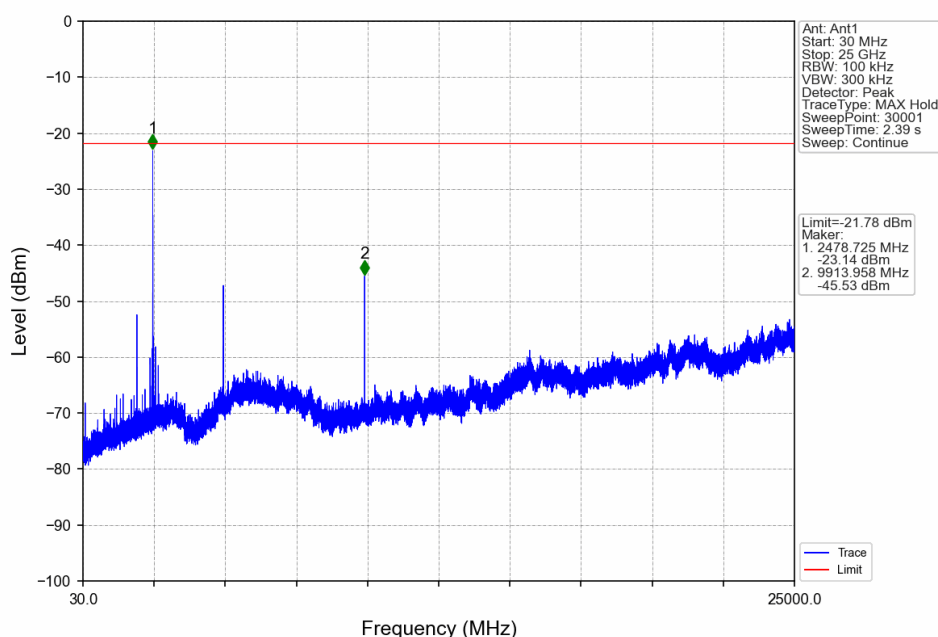
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2M_HCH_2480MHz_Ant1_NTNV



- End of the Report -



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